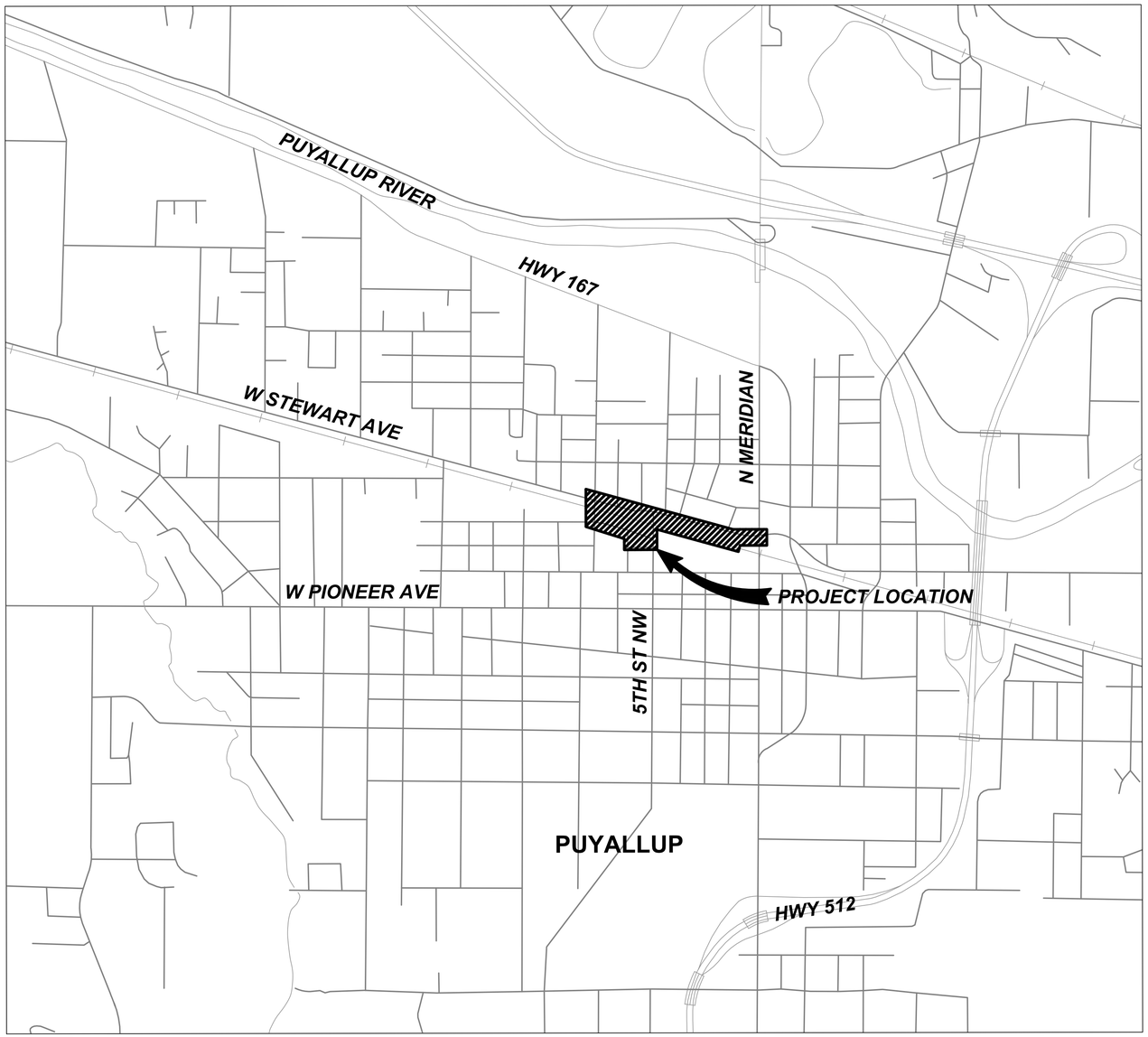
SOUNDTRANSIT

CENTRAL PUGET SOUND REGIONAL TRANSIT AUTHORITY



CONTRACT LOCATION MAP

PUYALLUP STATION PARKING

RTA/CN 0612-18

CONTRACT S300017

PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS

FINAL AS-BUILT
4/17/2023

PREPARED BY:

HENSEL PHELPS
Plan. Build. Manage.

kpff

SUBMITTED BY:_____ DATE:_____

NAME: SARA ROBERTS
TITLE: DESIGN MANAGER

REVIEWED BY:_____ DATE:_____

NAME: GREG SHIMIZU
TITLE: PROJECT MANAGER

THE PREPARATION OF THIS DOCUMENT HAS BEEN FINANCED IN PART THROUGH A GRANT FROM THE U.S. DEPARTMENT OF TRANSPORTATION FEDERAL TRANSIT ADMINISTRATION UNDER THE URBAN MASS TRANSPORTATION ACT OF 1964, AS AMENDED, AND IN PART BY THE CENTRAL PUGET SOUND REGIONAL TRANSIT AUTHORITY DISTRICT OF WASHINGTON, AND THE STATE OF WASHINGTON

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GEN-GZT101	
FACILITY ID:	
F1592	
SHEET No.:	REV:
1	0

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xGB-TB22x34

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FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	4/17/2023	DRJ	JAL	SLR	FINAL AS-BUILT

DESIGNED BY: D. JUNG
DRAWN BY: B. RONIA
CHECKED BY: J. LEHMAN
APPROVED BY: S. ROBERTS

kpff — SUBMITTED BY: SARA ROBERTS — DATE: 4/17/2023

HENSEL PHELPS Plan. Build. Manage. kpff — REVIEWED BY: GREG SHIMIZU — DATE: 4/17/2023

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT — SUBMITTAL DATE: 4/17/2023

SCALE: NTS
FILENAME: S317-GEN-GZI102-105
CONTRACT No.: RTA/CN 0612-18

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS

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FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	4/17/2023	DRJ	JAL	SLR	FINAL AS-BUILT

DESIGNED BY: D. JUNG
DRAWN BY: B. RONIA
CHECKED BY: J. LEHMAN
APPROVED BY: S. ROBERTS

kpff
SUBMITTED BY: SARA ROBERTS

HENSEL PHELPS
Plan. Build. Manage.
kpff
DATE: 4/17/2023
REVIEWED BY: GREG SHIMIZU

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT
DATE: 4/17/2023

SCALE: NTS
FILENAME: S317-GEN-GZI102-105
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 4/17/2023

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS

GENERAL
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REV: 0

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U:\19001-19350\1900096 - ST PSAI\90 - CAD\01 - GENERAL\FINAL AS-BUILT\S317-GEN-GZI102-105.DWG

Xrefs:
xGB-TB22x34

INDEX OF DRAWINGS

SHT. No.	DWG. No.	REV	TITLE
			ARCHITECTURAL (CONTINUED)
293	F1592-APP101	0	FLOOR PLAN - LEVEL 1
294	F1592-APP102	0	EAST ABUTMENT ENLARGED PLAN - LEVEL 1
295	F1592-APP103	0	NORTH ELEVATOR AND STAIR PLAN
296	F1592-APP104	0	PLAZA - LEVEL 1
297	F1592-APP106	0	RAMP SW CORNER FLOOR PLAN - LEVEL 1
298	F1592-APP201	0	FLOOR PLAN - LEVEL 2
299	F1592-APP301	0	FLOOR PLAN - LEVEL 3
300	F1592-APP302	0	EAST ABUTMENT ENLARGED PLAN - LEVEL 3
301	F1592-APP303	0	ENLARGED PLANS - LEVEL 3
302	F1592-APP401	0	FLOOR PLAN - LEVEL 4
303	F1592-APP501	0	FLOOR PLAN - LEVEL 5
304	F1592-ARP601	0	ROOF PLAN
305	F1592-ARP602	0	ENLARGED ROOF PLANS
306	F1592-AEE301	0	BUILDING ELEVATIONS
307	F1592-AEE302	0	BUILDING ELEVATIONS
308	F1592-AEY311	0	BUILDING SECTIONS
309	F1592-AEX401	0	WALL SECTIONS - SS
310	F1592-AEX402	0	WALL SECTIONS - PERF
311	F1592-AEX403	0	WALL SECTIONS
312	F1592-AEX404	0	WALL SECTIONS - EA
313	F1592-AEX405	0	WALL SECTIONS - PED BRIDGE
314	F1592-AEE401	0	ENLARGED ELEVATIONS - PERF PANEL
315	F1592-AEE402	0	ENLARGED ELEVATIONS - PERF PANEL
316	F1592-AEE403	0	ENLARGED ELEVATIONS - PERF PANEL
317	F1592-AEE404	0	ENLARGED ELEVATIONS - SS MESH
318	F1592-AEE405	0	ENLARGED ELEVATIONS - SS MESH
319	F1592-AEE406	0	ENLARGED ELEVATIONS - SS MESH
320	F1592-AEE407	0	ENLARGED ELEVATIONS - SS MESH
321	F1592-AEE408	0	ENLARGED ELEVATIONS
322	F1592-AEE409	0	ENLARGED ELEVATIONS
323	F1592-AEE410	0	ENLARGED ELEVATIONS
324	F1592-AEE411	0	ENLARGED ELEVATIONS - STAIR TOWER
325	F1592-AXV501	0	WALL PROFILES
326	F1592-APV502	0	FLOOR PROFILES
327	F1592-ARV503	0	ROOF/CEILING PROFILES
328	F1592-APD512	0	BELOW GRADE DETAILS
329	F1592-ARD508	0	ROOF DETAILS
330	F1592-ARD509	0	ROOF DETAILS
331	F1592-AED503	0	WALL DETAILS - CMU
332	F1592-AED504	0	WALL DETAILS - CMU
333	F1592-AED505	0	WALL DETAILS - METAL PANEL
334	F1592-AED506	0	WALL DETAILS - METAL PANEL
335	F1592-AED507	0	WALL DETAILS - METAL PANEL
336	F1592-AED508	0	WALL DETAILS - METAL PANEL
337	F1592-AED509	0	EXTERIOR DETAILS - PED BRIDGE
338	F1592-AED601	0	EXTERIOR DETAILS - PERF
339	F1592-AED602	0	EXTERIOR DETAILS - PERF
340	F1592-AED603	0	EXTERIOR DETAILS - BRICK
341	F1592-AED604	0	EXTERIOR DETAILS - BRICK
342	F1592-AED615	0	EXTERIOR DETAILS - SS MESH
343	F1592-AED616	0	EXTERIOR DETAILS - SS MESH
344	F1592-AED617	0	EXTERIOR DETAILS - SS MESH
345	F1592-AED618	0	EXTERIOR DETAILS - SEISMIC
346	F1592-AED619	0	EXTERIOR DETAILS - BROWS
347	F1592-AED620	0	EXTERIOR DETAILS - TRASH ENCLOSURE
348	F1592-AED621	0	EXTERIOR DETAILS
349	F1592-AED622	0	EXTERIOR DETAILS
350	F1592-ATP601	0	VERTICAL CIRCULATION
351	F1592-ATP602	0	VERTICAL CIRCULATION
352	F1592-ATP603	0	VERTICAL CIRCULATION
353	F1592-ATX604	0	VERTICAL CIRCULATION
354	F1592-ATX605	0	VERTICAL CIRCULATION
355	F1592-ATX606	0	VERTICAL CIRCULATION
356	F1592-ATX607	0	VERTICAL CIRCULATION
357	F1592-AVD101	0	ELEVATOR DETAILS
358	F1592-AVP608	0	VERTICAL CIRCULATION
359	F1592-AVP609	0	VERTICAL CIRCULATION
360	F1592-AVX610	0	VERTICAL CIRCULATION
361	F1592-AVX611	0	VERTICAL CIRCULATION
362	F1592-ATD611	0	STAIR DETAILS
363	F1592-ATD612	0	STAIR DETAILS
364	F1592-ATD613	0	STAIR DETAILS
365	F1592-ACP701	0	REFLECTED CEILING PLAN - LEVEL 1
366	F1592-ACP702	0	REFLECTED CEILING PLAN - LEVEL 2
367	F1592-ACP703	0	REFLECTED CEILING PLAN - LEVEL 3
368	F1592-ACP704	0	REFLECTED CEILING PLAN - LEVEL 4 & 5
369	F1592-ACP705	0	REFLECTED CEILING PLAN - PED BRIDGE SOFFIT
370	F1592-AIE801	0	INTERIOR ELEVATIONS
371	F1592-AIE802	0	INTERIOR ELEVATIONS
372	F1592-AIE803	0	INTERIOR ELEVATIONS
373	F1592-AIE804	0	INTERIOR ELEVATIONS
374	F1592-AID001	0	CASEWORK DETAILS

SHT. No.	DWG. No.	REV	TITLE
			ARCHITECTURAL (CONTINUED)
375	F1592-ADD101	0	DOOR DETAILS
376	F1592-ADD102	0	DOOR DETAILS
377	F1592-ADD103	0	DOOR DETAILS
378	F1592-ADD104	0	DOOR DETAILS
379	F1592-ADD105	0	LOUVER DETAILS
380	F1592-ADD201	0	OVERHEAD DOOR ELEVATIONS
381	F1592-ADD202	0	OVERHEAD DOOR ELEVATIONS
382	F1592-ADD203	0	OVERHEAD DOOR DETAILS
383	F1592-ADD509	0	CURTAINWALL DETAILS
384	F1592-ADD510	0	CURTAINWALL DETAILS
385	F1592-ADD511	0	CURTAINWALL DETAILS
386	F1592-ADS001	0	DOOR SCHEDULE
387	F1592-ADS002	0	GLAZING SCHEDULE
388	F1592-ADS003	0	GLAZING SCHEDULE
389	F1592-AFS004	0	FINISH SCHEDULE
390	F1592-ADS005	0	PERFORATED PANEL SCHEDULE
391	F1592-ANP001	0	SITE SIGNAGE PLAN EAST
392	F1592-ANP002	0	SITE SIGNAGE PLAN WEST
393	F1592-ANP003	0	SIGNAGE PLAN - LEVEL 1 WEST
394	F1592-ANP004	0	SIGNAGE PLAN - LEVEL 1 EAST
395	F1592-ANP005	0	SIGNAGE PLAN - LEVEL 2 WEST
396	F1592-ANP006	0	SIGNAGE PLAN - LEVEL 2 EAST
397	F1592-ANP007	0	SIGNAGE PLAN - LEVEL 3 WEST
398	F1592-ANP008	0	SIGNAGE PLAN - LEVEL 3 EAST
399	F1592-ANP009	0	SIGNAGE PLAN - LEVEL 4 WEST
400	F1592-ANP010	0	SIGNAGE PLAN - LEVEL 4 EAST
401	F1592-ANP011	0	SIGNAGE PLAN - LEVEL 5 WEST
402	F1592-ANP012	0	SIGNAGE PLAN - LEVEL 5 EAST
403	F1592-ANP013	0	SIGNAGE TYPES
404	F1592-ANP014	0	SIGNAGE MOUNTING DETAILS
405	F1592-ANP015	0	SIGNAGE MOUNTING DETAILS
406	F1592-ANP016	0	SIGNAGE MOUNTING DETAILS AND SCHEDULE
407	F1592-ANP017	0	SIGNAGE MOUNTING DETAILS AND SCHEDULE
408	F1592-ANP101	0	COLOR WAYFINDING PLAN LEVEL 1
409	F1592-ANP102	0	COLOR WAYFINDING PLAN LEVEL 2
410	F1592-ANP103	0	COLOR WAYFINDING PLAN LEVEL 3
411	F1592-ANP104	0	COLOR WAYFINDING PLAN LEVEL 4
412	F1592-ANP105	0	COLOR WAYFINDING PLAN LEVEL 5
413	F1592-AVD900	0	GARAGE NORTH ELEVATOR DETAILS
414	F1592-AVD901	0	EAST ABUTMENT ELEVATOR DETAILS
			PARKING
415	F1592-AMP109	0	STRIPING PLAN - LEVEL 1
416	F1592-AMP209	0	STRIPING PLAN - LEVEL 2
417	F1592-AMP309	0	STRIPING PLAN - LEVEL 3
418	F1592-AMP409	0	STRIPING PLAN - LEVEL 4
419	F1592-AMP509	0	STRIPING PLAN - LEVEL 5
420	F1592-AMD911	0	STRIPING DETAILS
421	F1592-AMD912	0	STRIPING DETAILS
			LANDSCAPING
			HARDSCAPE
422	F1592-LHN100	0	HARDSCAPE GENERAL NOTES, LEGEND, & ABBREVIATIONS
423	F1592-LHP102	0	HARDSCAPE PLAN
424	F1592-LHP103	0	HARDSCAPE PLAN
425	F1592-LHP104	0	HARDSCAPE PLAN
426	F1592-LHD101	0	HARDSCAPE DETAILS
427	F1592-LHD102	0	HARDSCAPE DETAILS
428	F1592-LHD103	0	HARDSCAPE DETAILS
429	F1592-LHD104	0	HARDSCAPE DETAILS
			PLANTING
430	F1592-LPN100	0	PLANTING GENERAL NOTES, LEGEND, & ABBREVIATIONS
431	F1592-LPS100	0	PLANTING SCHEDULE
432	F1592-LPP101	0	PLANTING PLAN
433	F1592-LPP102	0	PLANTING PLAN
434	F1592-LPP103	0	PLANTING PLAN
435	F1592-LPP104	0	PLANTING PLAN
436	F1592-LPP105	0	PLANTING PLAN
437	F1592-LPP106	0	PLANTING PLAN
438	F1592-LPD101	0	PLANTING DETAILS
439	F1592-LPD102	0	PLANTING DETAILS
440	F1592-LPD103	0	PLANTING DETAILS
441	F1592-LPX101	0	PLANTING SECTIONS
			IRRIGATION
442	F1592-LRN100	0	IRRIGATION GENERAL NOTES, LEGEND, & ABBREVIATIONS
443	F1592-LRS100	0	IRRIGATION SCHEDULE
444	F1592-LRP101	0	IRRIGATION PLAN
445	F1592-LRP102	0	IRRIGATION PLAN
446	F1592-LRP103	0	IRRIGATION PLAN
447	F1592-LRP104	0	IRRIGATION PLAN
448	F1592-LRP105	0	IRRIGATION PLAN
449	F1592-LRP106	0	IRRIGATION PLAN

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	4/17/2023	DRJ	JAL	SLR	FINAL AS-BUILT

DESIGNED BY: D. JUNG
DRAWN BY: B. RONIA
CHECKED BY: J. LEHMAN
APPROVED BY: S. ROBERTS

kpff

HENSEL PHELPS
Plan. Build. Manage.
kpff

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT

SCALE: NTS
FILENAME: S317-GEN-GZI102-105
CONTRACT No.: RTA/CN 0612-18

SUBMITTED BY: SARA ROBERTS
DATE: 4/17/2023
REVIEWED BY: GREG SHIMIZU
DATE: 4/17/2023
SUBMITTAL DATE: 4/17/2023

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS

GENERAL
INDEX OF DRAWINGS

DRAWING No.: GEN-GZI104
FACILITY ID: F1592
SHEET No.: 4
REV: 0

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Xrefs:
xGB-TB22x34

INDEX OF DRAWINGS

SHT. No.	DWG. No.	REV	TITLE
LANDSCAPING (CONTINUED)			
IRRIGATION (CONTINUED)			
450	F1592-LRD101	0	IRRIGATION DETAILS
451	F1592-LRD102	0	IRRIGATION DETAILS
452	F1592-LRD103	0	IRRIGATION DETAILS
453	F1592-LRD104	0	IRRIGATION DETAILS
MECHANICAL			
PLUMBING			
454	F1592-MZN001	0	GENERAL NOTES, SYMBOLS, LEGENDS & ABBREVIATIONS
455	F1592-MZN002	0	NOT USED
456	F1592-MSP001	0	SITE PLAN
457	F1592-MPP100	0	FOUNDATION LEVEL - OVERALL
458	F1592-MPP101	0	LEVEL 1 - OVERALL
459	F1592-MPP201	0	LEVEL 2 - OVERALL
460	F1592-MPP301	0	LEVEL 3 - OVERALL
461	F1592-MPP401	0	LEVEL 4 - OVERALL
462	F1592-MPP501	0	LEVEL 5 - OVERALL
463	F1592-MPP601	0	ROOF LEVEL - OVERALL
464	F1592-MPD830	0	ENLARGED PLANS
465	F1592-MPX100	0	SECTIONS
466	F1592-MPS930	0	DOMESTIC WATER RISER DIAGRAM
467	F1592-MPS931	0	SANITARY WASTE AND VENT RISER DIAGRAM
468	F1592-MPS932	0	STORM WATER RISER DIAGRAM
469	F1592-MPS940	0	CONTROL DIAGRAMS
470	F1592-MPS950	0	SCHEDULES
471	F1592-MPS951	0	SCHEDULES
472	F1592-MPD900	0	DETAILS
473	F1592-MPD901	0	DETAILS
FIRE PROTECTION			
474	F1592-MZN002	0	GENERAL NOTES, SYMBOLS, LEGEND & ABBREVIATIONS
475	F1592-MSP002	0	SITE PLAN
476	F1592-MFP100	0	FOUNDATION LEVEL - OVERALL
477	F1592-MFP101	0	LEVEL 1 - OVERALL
478	F1592-MFP201	0	LEVEL 2 - OVERALL
479	F1592-MFP301	0	LEVEL 3 - OVERALL
480	F1592-MFP401	0	LEVEL 4 - OVERALL
481	F1592-MFP501	0	LEVEL 5 - OVERALL
482	F1592-MFD830	0	ENLARGED PLANS
483	F1592-MFX100	0	SECTIONS
484	F1592-MFX101	0	SECTIONS
485	F1592-MFS930	0	RISER DIAGRAM
486	F1592-MFS950	0	SCHEDULES
487	F1592-MFD900	0	DETAILS
HVAC			
488	F1592-MZN003	0	GENERAL NOTES, SYMBOLS, LEGEND & ABBREVIATIONS
489	F1592-MZN004	0	BASIS OF DESIGN
490	F1592-MHP101	0	LEVEL 1 - OVERALL
491	F1592-MHP201	0	LEVEL 2 - OVERALL
492	F1592-MHP301	0	LEVEL 3 - OVERALL
493	F1592-MHP401	0	LEVEL 4 - OVERALL
494	F1592-MHP501	0	LEVEL 5 - OVERALL
495	F1592-MHD830	0	ENLARGED PLANS
496	F1592-MHD831	0	ENLARGED PLANS
497	F1592-MHX100	0	SECTIONS
498	F1592-MHS930	0	AIRFLOW AND CONTROL DIAGRAMS
499	F1592-MHS931	0	AIRFLOW AND CONTROL DIAGRAMS
500	F1592-MHS932	0	AIRFLOW AND CONTROL DIAGRAMS
501	F1592-MHS933	0	AIRFLOW AND CONTROL DIAGRAMS
502	F1592-MHS934	0	AIRFLOW AND CONTROL DIAGRAMS
503	F1592-MHS935	0	AIRFLOW AND CONTROL DIAGRAMS
504	F1592-MHS950	0	SCHEDULES
505	F1592-MHS951	0	SCHEDULES
506	F1592-MHS952	0	SCHEDULES
507	F1592-MHS953	0	SCHEDULES
508	F1592-MHS954	0	SCHEDULES
509	F1592-MHD900	0	DETAILS
510	F1592-MHD901	0	DETAILS
511	F1592-MHD902	0	DETAILS
512	F1592-MHD903	0	DETAILS
ELECTRICAL			
GENERAL			
513	F1592-EZN001	0	GENERAL NOTES, SYMBOLS, LEGEND & ABBREVIATIONS
514	F1592-EZN002	0	GENERAL NOTES, SYMBOLS & LEGEND
515	F1592-EZN003	0	GENERAL NOTES, SYMBOLS & LEGEND
516	F1592-ESP001	0	SITE PLAN
517	F1592-ESP002	0	ENLARGED SITE PLAN
518	F1592-ESP003	0	ENLARGED SITE PLAN
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519	F1592-ELP101	0	LEVEL 1 - OVERALL
520	F1592-ELP201	0	LEVEL 2 - OVERALL
521	F1592-ELP301	0	LEVEL 3 - OVERALL
ELECTRICAL (CONTINUED)			
LIGHTING (CONTINUED)			
522	F1592-ELP401	0	LEVEL 4 - OVERALL
523	F1592-ELP501	0	LEVEL 5 - OVERALL
524	F1592-ELD830	0	ENLARGED PLANS
525	F1592-ELD831	0	ENLARGED PLANS
526	F1592-ELD832	0	ENLARGED PLANS
527	F1592-ELD833	0	ENLARGED PLANS
528	F1592-ELD834	0	ENLARGED PLANS
529	F1592-ELX100	0	SECTIONS
530	F1592-ELX101	0	SECTIONS
531	F1592-ELX102	0	SECTIONS
532	F1592-ELX103	0	SECTIONS
533	F1592-ELX104	0	SECTIONS
534	F1592-ELS900	0	LUMINAIRE SCHEDULE
535	F1592-ELS901	0	LUMINAIRE SCHEDULE
536	F1592-ELS902	0	POLE SCHEDULE
537	F1592-ELS930	0	CONTROL DIAGRAM
538	F1592-ELD900	0	DETAILS
POWER			
539	F1592-EPP100	0	FOUNDATION LEVEL - OVERALL
540	F1592-EPP101	0	LEVEL 1 - OVERALL
541	F1592-EPP201	0	LEVEL 2 - OVERALL
542	F1592-EPP301	0	LEVEL 3 - OVERALL
543	F1592-EPP401	0	LEVEL 4 - OVERALL
544	F1592-EPP501	0	LEVEL 5 - OVERALL
545	F1592-EPD830	0	ENLARGED PLANS
546	F1592-EPD831	0	ENLARGED PLANS
547	F1592-EPS930	0	ONE-LINE DIAGRAM
548	F1592-EPS950	0	CONDUIT/CONDUCTOR FEEDER SCHEDULE
549	F1592-EPS951	0	CONDUIT/CONDUCTOR 480/277V SCHEDULE
550	F1592-EPS952	0	CONDUIT/CONDUCTOR 208/120V SCHEDULE
551	F1592-EPS953	0	PANEL SCHEDULES
552	F1592-EPS954	0	PANEL SCHEDULES
553	F1592-EPS955	0	PANEL SCHEDULES
554	F1592-EPS956	0	PANEL SCHEDULES
555	F1592-EPS957	0	PANEL SCHEDULES
556	F1592-EPD900	0	DETAILS
GROUNDING			
557	F1592-EGP101	0	LEVEL 1 - OVERALL
558	F1592-EGP201	0	LEVEL 2 - OVERALL
559	F1592-EGP301	0	LEVEL 3 - OVERALL
560	F1592-EGP401	0	LEVEL 4 - OVERALL
561	F1592-EGP501	0	LEVEL 5 - OVERALL
562	F1592-EGS930	0	DIAGRAMS
FIRE ALARM			
563	F1592-EFP101	0	LEVEL 1 - OVERALL
564	F1592-EFP201	0	LEVEL 2 - OVERALL
565	F1592-EFP301	0	LEVEL 3 - OVERALL
566	F1592-EFP401	0	LEVEL 4 - OVERALL
567	F1592-EFP501	0	LEVEL 5 - OVERALL
568	F1592-EFS930	0	RISER DIAGRAM
569	F1592-EFS950	0	SYSTEM NOTES AND MATRIX
570	F1592-EFS951	0	SYSTEM INTERFACE SCHEDULE
571	F1592-EFD900	0	DETAILS
SYSTEMS			
GENERAL			
572	F1592-JZN001	0	GENERAL NOTES, SYMBOLS, LEGEND & ABBREVIATIONS
573	F1592-JZN002	0	GENERAL NOTES, SYMBOLS, LEGEND & ABBREVIATIONS
COMMUNICATIONS / BMS			
574	F1592-JSP001	0	COMMUNICATIONS SITE PLAN
575	F1592-JCP100	0	FOUNDATION LEVEL - OVERALL
576	F1592-JCP101	0	LEVEL 1 - OVERALL
577	F1592-JCP201	0	LEVEL 2 - OVERALL
578	F1592-JCP301	0	LEVEL 3 - OVERALL
579	F1592-JCP401	0	LEVEL 4 - OVERALL
580	F1592-JCP501	0	LEVEL 5 - OVERALL
581	F1592-JCD830	0	ENLARGED PLANS
582	F1592-JCD831	0	ENLARGED PLANS
583	F1592-JCS935	0	RISER DIAGRAM
584	F1592-JBS940	0	RISER DIAGRAM
585	F1592-JBS941	0	RISER DIAGRAM - SECURITY
586	F1592-JBS942	0	RISER DIAGRAM - SECURITY
587	F1592-JCS950	0	CONDUIT SCHEDULE
588	F1592-JBS951	0	CONDUIT SCHEDULE
589	F1592-JBS970	0	POINTS SCHEDULE
590	F1592-JBS971	0	POINTS SCHEDULE
591	F1592-JCD900	0	DETAILS

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	4/17/2023	DRJ	JAL	SLR	FINAL AS-BUILT

DESIGNED BY: D. JUNG
DRAWN BY: B. RONIA
CHECKED BY: J. LEHMAN
APPROVED BY: S. ROBERTS

kpff
SUBMITTED BY: SARA ROBERTS

HENSEL PHELPS
Plan. Build. Manage.
kpff
DATE: 4/17/2023
REVIEWED BY: GREG SHIMIZU

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT
DATE: 4/17/2023

SCALE: NTS
FILENAME: S317-GEN-GZI102-105
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 4/17/2023

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS

GENERAL
INDEX OF DRAWINGS

DRAWING No.: GEN-GZI105
FACILITY ID: F1592
SHEET No.: 5
REV: 0

04/13/23 | 9:39 AM | BYRONR
U:\19001-19350\1900096 - ST PSA\90 - CAD\01 - GENERAL\FINAL AS-BUILT\S317-GEN-GZI102-105.DWG

Xrefs:
xGB-TB22x34
xS317-GEN-GZK100

CROSS REFERENCING OF DRAWINGS							
BASE SHEET TITLE	01	02	03	04	05	06	07
1"=20' DRAWING SETS	F1592-**P*01	F1592-**P*02	F1592-**P*03	F1592-**P*04	F1592-**P*05	F1592-**P*06	F1592-**P*07

CROSS REFERENCING OF DRAWINGS			
BASE SHEET TITLE	08	09	10
1"=10' DRAWING SETS	F1592-**P*08	F1592-**P*09	F1592-**P*10

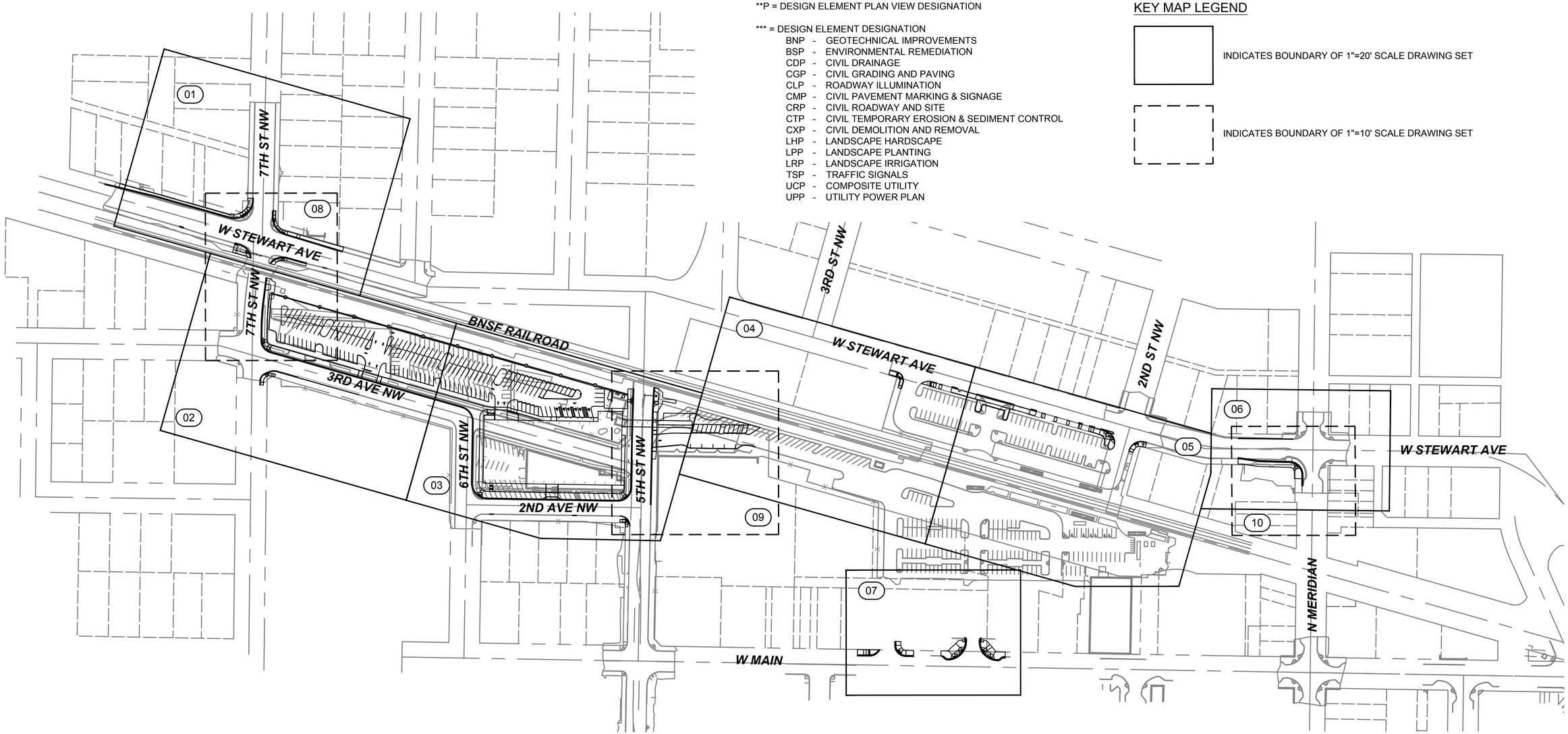
**P = DESIGN ELEMENT PLAN VIEW DESIGNATION

*** = DESIGN ELEMENT DESIGNATION
- BNP - GEOTECHNICAL IMPROVEMENTS
- BSP - ENVIRONMENTAL REMEDIATION
- CDP - CIVIL DRAINAGE
- CGP - CIVIL GRADING AND PAVING
- CLP - ROADWAY ILLUMINATION
- CMP - CIVIL PAVEMENT MARKING & SIGNAGE
- CRP - CIVIL ROADWAY AND SITE
- CTP - CIVIL TEMPORARY EROSION & SEDIMENT CONTROL
- CXP - CIVIL DEMOLITION AND REMOVAL
- LHP - LANDSCAPE HARDSCAPE
- LPP - LANDSCAPE PLANTING
- LRP - LANDSCAPE IRRIGATION
- TSP - TRAFFIC SIGNALS
- UCP - COMPOSITE UTILITY
- UPP - UTILITY POWER PLAN

KEY MAP LEGEND

INDICATES BOUNDARY OF 1"=20' SCALE DRAWING SET

INDICATES BOUNDARY OF 1"=10' SCALE DRAWING SET



FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	4/17/2023	DRJ	JAL	SLR	FINAL AS-BUILT

DESIGNED BY: D. JUNG
DRAWN BY: B. RONIA
CHECKED BY: J. LEHMAN
APPROVED BY: S. ROBERTS

kpff
SUBMITTED BY: SARA ROBERTS
DATE: 4/17/2023

HENSEL PHELPS
Plan. Build. Manage.
kpff
REVIEWED BY: GREG SHIMIZU
DATE: 4/17/2023

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT
SUBMITTAL DATE: 4/17/2023

SCALE: 1"=100'
FILENAME: S317-GEN-GZK106
CONTRACT No.: RTA/CN 0612-18

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS

GENERAL
KEY PLAN

DRAWING No.: GEN-GZK106
FACILITY ID: F1592
SHEET No.: 6
REV: 0

04/13/23 | 9:40 AM | BYRONR
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Xrefs:
xGB-TB22x34

GENERAL NOTES

PUYALLUP GENERAL NOTES:

1. ALL WORK IN CITY RIGHT-OF-WAY REQUIRES A PERMIT FROM THE CITY OF PUYALLUP. PRIOR TO ANY WORK COMMENCING, THE GENERAL CONTRACTOR SHALL ARRANGE FOR A PRECONSTRUCTION MEETING AT THE DEVELOPMENT SERVICES CENTER TO BE ATTENDED BY ALL CONTRACTORS THAT WILL PERFORM WORK SHOWN ON THE ENGINEERING PLANS, REPRESENTATIVES FROM ALL APPLICABLE UTILITY COMPANIES, THE PROJECT OWNER AND APPROPRIATE CITY STAFF. CONTACT ENGINEERING SERVICES TO SCHEDULE THE MEETING (253) 841-5568. THE CONTRACTOR IS RESPONSIBLE TO HAVE THEIR OWN APPROVED SET OF PLANS AT THE MEETING.
2. AFTER COMPLETION OF ALL ITEMS SHOWN ON THESE PLANS AND BEFORE ACCEPTANCE OF THE PROJECT, THE CONTRACTOR SHALL OBTAIN A "PUNCH LIST" PREPARED BY THE CITY'S INSPECTOR DETAILING REMAINING ITEMS OF WORK TO BE COMPLETED. ALL ITEMS OF WORK SHOWN ON THESE PLANS SHALL BE COMPLETED TO THE SATISFACTION OF THE CITY PRIOR TO ACCEPTANCE OF THE WATER SYSTEM AND PROVISION OF SANITARY SEWER SERVICE.
3. ALL MATERIALS AND WORKMANSHIP SHALL CONFORM TO THE STANDARD SPECIFICATIONS FOR ROAD, BRIDGE, AND MUNICIPAL CONSTRUCTION (HEREINAFTER REFERRED TO AS THE "STANDARD SPECIFICATIONS"), WASHINGTON STATE DEPARTMENT OF TRANSPORTATION AND AMERICAN PUBLIC WORKS ASSOCIATION, WASHINGTON STATE CHAPTER, LATEST EDITION, UNLESS SUPERSEDED OR AMENDED BY THE CITY OF PUYALLUP CITY STANDARDS FOR PUBLIC WORKS ENGINEERING AND CONSTRUCTION (HEREINAFTER REFERRED TO AS THE "CITY STANDARDS").
4. A COPY OF THESE APPROVED PLANS AND APPLICABLE CITY DEVELOPER SPECIFICATIONS AND DETAILS SHALL BE ON SITE DURING CONSTRUCTION.
5. ANY REVISIONS MADE TO THESE PLANS MUST BE REVIEWED AND APPROVED BY THE DEVELOPER'S ENGINEER AND THE ENGINEERING SERVICES STAFF PRIOR TO ANY IMPLEMENTATION IN THE FIELD. THE CITY SHALL NOT BE RESPONSIBLE FOR ANY ERRORS AND/OR OMISSIONS ON THESE PLANS.
6. THE CONTRACTOR SHALL HAVE ALL UTILITIES VERIFIED ON THE GROUND PRIOR TO ANY CONSTRUCTION. CALL (811) AT LEAST TWO WORKING DAYS IN ADVANCE. THE OWNER AND HIS/HER ENGINEER SHALL BE CONTACTED IMMEDIATELY IF A CONFLICT EXISTS.
7. ANY STRUCTURE AND/OR OBSTRUCTION WHICH REQUIRE REMOVAL OR RELOCATION RELATING TO THIS PROJECT, SHALL BE DONE SO AT THE DEVELOPER'S EXPENSE.
8. LOCATIONS OF EXISTING UTILITIES ARE APPROXIMATE . IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE TRUE ELEVATIONS AND LOCATIONS OF HIDDEN UTILITIES. ALL VISIBLE ITEMS SHALL BE THE ENGINEER'S RESPONSIBILITY.
9. THE CONTRACTOR SHALL INSTALL, REPLACE, OR RELOCATE ALL SIGNS, AS SHOWN ON THE PLANS OR AS AFFECTED BY CONSTRUCTION, PER CITY STANDARDS.
10. POWER, STREET LIGHT, CABLE, AND TELEPHONE LINES SHALL BE IN A TRENCH LOCATED WITHIN A 10-FOOT UTILITY EASEMENT ADJACENT TO PUBLIC RIGHT-OF-WAY. RIGHT-OF-WAY CROSSINGS SHALL HAVE A MINIMUM HORIZONTAL SEPARATION FROM OTHER UTILITIES (SEWER,WATER, AND STORM) OF 5 FEET.
11. ALL CONSTRUCTION SURVEYING FOR EXTENSIONS OF PUBLIC FACILITIES SHALL BE DONE UNDER THE DIRECTION OF A WASHINGTON STATE LICENSED LAND SURVEYOR OR A WASHINGTON STATE LICENSED PROFESSIONAL CIVIL ENGINEER.
12. DURING CONSTRUCTION, ALL PUBLIC STREETS ADJACENT TO THIS PROJECT SHALL BE KEPT CLEAN OF ALL MATERIAL DEPOSITS RESULTING FROM ON-SITE CONSTRUCTION, AND EXISTING STRUCTURES SHALL BE PROTECTED AS DIRECTED BY CITY.
13. CERTIFIED RECORD DRAWINGS ARE REQUIRED PRIOR TO PROJECT ACCEPTANCE.
14. A NPDES STORMWATER GENERAL PERMIT MAY BE REQUIRED BY THE DEPARTMENT OF ECOLOGY FOR THIS PROJECT. FOR INFORMATION CONTACT THE DEPARTMENT OF ECOLOGY, SOUTHWEST REGION OFFICE AT (360)407-6300.
15. ANY DISTURBANCE OR DAMAGE TO CRITICAL AREAS AND ASSOCIATED BUFFERS, OR SIGNIFICANT TREES DESIGNATED FOR PRESERVATION AND PROTECTION SHALL BE MITIGATED IN ACCORDANCE WITH A MITIGATION PLAN REVIEWED AND APPROVED BY THE CITY'S PLANNING DIVISION. PREPARATION AND IMPLEMENTATION OF THE MITIGATION PLAN SHALL BE AT THE DEVELOPER'S EXPENSE.

PUYALLUP STORM WATER NOTES:

DURING CONSTRUCTION, ALL EXISTING AND NEWLY INSTALLED DRAINAGE STRUCTURES SHALL BE PROTECTED FROM SEDIMENTS.

2. ALL STORM MANHOLES SHALL CONFORM TO CITY STANDARD DETAIL NO. 02.01.01. FLOW CONTROL MANHOLE/OIL WATER SEPARATOR SHALL CONFORM TO CITY STANDARD DETAIL NO. 02.01.06 AND 02.01.07.
3. MANHOLE RING AND COVER SHALL CONFORM TO CITY STANDARD DETAIL 06.01.02.
4. CATCH BASINS TYPE I SHALL CONFORM TO CITY STANDARD DETAIL NO.02.01.02 AND 02.01.03 AND SHALL BE USED ONLY FOR DEPTHS LESS THAN 5 FEET FROM TOP OF THE GRATE TO THE INVERT OF THE STORM PIPE.
5. CATCH BASINS TYPE II SHALL CONFORM TO CITY STANDARD DETAIL NO.02.01.04 AND SHALL BE USED FOR DEPTHS GREATER THAN 5 FEET FROM TOP OF THE GRATE TO THE INVERT OF THE STORM PIPE. CITY OF PUYALLUP - CITY STANDARDS STORM REVISED 10/2019 200-17.
6. CAST IRON OR DUCTILE IRON FRAME AND GRATE SHALL CONFORM TO CITY STANDARD DETAIL NO.02.01.05. GRATE SHALL BE MARKED WITH "DRAINS TO STREAM". SOLID CATCH BASIN LIDS (SQUARE UNLESS NOTED AS ROUND) SHALL CONFORM TO WSDOT STANDARD PLAN B-30.20-04 (OLYMPIC FOUNDRY NO. SM60 OR (EQUAL). VANED GRATES SHALL CONFORM TO WSDOT STANDARD PLAN B-30.30-03 (OLYMPIC FOUNDRY NO. SM60V OR EQUAL).
7. STORMWATER PIPE SHALL BE ONLY PVC, CONCRETE, DUCTILE IRON, OR DUAL WALLED POLYPROPYLENE PIPE.
   A. THE USE OF ANY OTHER TYPE SHALL BE REVIEWED AND APPROVED BY THE ENGINEERING SERVICES STAFF PRIOR TO INSTALLATION.
   B. PVC PIPE SHALL BE PER ASTM D3034, SDR 35 FOR PIPE SIZE 15-INCH AND SMALLER AND F679 FOR PIPE SIZES 18 TO 27 INCH. MINIMUM COVER ON PVC PIPE SHALL BE 3.0 FEET.
   C. CONCRETE PIPE SHALL CONFORM TO THE WSDOT STANDARD SPECIFICATIONS FOR CONCRETE UNDERDRAIN PIPE. MINIMUM COVER ON CONCRETE PIPE SHALL NOT LESS THAN 3.0 FEET.
   D. DUCTILE IRON PIPE SHALL BE CLASS 50, CONFORMING TO AWWA C151. MINIMUM COVER ON DUCTILE IRON PIPE SHALL BE 1.0 FOOT.
   E. POLYPROPYLENE PIPE (PP) SHALL BE DUAL WALLED, HAVE A SMOOTH INTERIOR AND EXTERIOR CORRUGATIONS AND MEET WSDOT 9-05.24(1). 12-INCH THROUGH 30-INCH PIPE SHALL MEET OR EXCEED ASTM F2736 AND AASHTO M330, TYPE S, OR TYPE D. 36-INCH THROUGH 60-INCH PIPE SHALL MEET OR EXCEED ASTM F2881 AND AASHTO M330, TYPE S, OR TYPE D TESTING SHALL BE PER ASTM F1417. MINIMUM COVER OVER POLYPROPYLENE PIPE SHALL BE 3-FEET.
15. TRENCHING, BEDDING, AND BACKFILL FOR PIPE SHALL CONFORM TO CITY STANDARD DETAIL NO. 06.01.01.
16. STORM PIPE SHALL BE A MINIMUM OF 10 FEET AWAY FROM BUILDING FOUNDATIONS AND/OR ROOF LINES.
17. ALL STORM DRAIN MAINS SHALL BE TESTED AND INSPECTED FOR ACCEPTANCE AS OUTLINED IN SECTION 406 OF THE CITY OF PUYALLUP SANITARY SEWER SYSTEM STANDARDS.
18. ALL TEMPORARY SEDIMENTATION AND EROSION CONTROL MEASURES, AND PROTECTIVE MEASURES FOR CRITICAL AREAS AND SIGNIFICANT TREES SHALL BE INSTALLED PRIOR TO INITIATING ANY CONSTRUCTION ACTIVITIES.

PUYALLUP WATER SYSTEM NOTES:

1. ALL WORK IN CITY RIGHT-OF-WAY REQUIRES A PERMIT FROM THE CITY OF PUYALLUP. PRIOR TO ANY WORK COMMENCING, THE GENERAL CONTRACTOR SHALL ARRANGE FOR A PRECONSTRUCTION MEETING AT THE DEVELOPMENT SERVICES CENTER TO BE ATTENDED BY ALL CONTRACTORS THAT WILL PERFORM WORK SHOWN ON THE ENGINEERING PLANS, REPRESENTATIVES FROM ALL APPLICABLE UTILITY COMPANIES, THE PROJECT OWNER AND APPROPRIATE CITY STAFF. CONTACT ENGINEERING SERVICES TO SCHEDULE THE MEETING (253) 841-5568. THE CONTRACTOR IS RESPONSIBLE TO HAVE THEIR OWN APPROVED SET OF PLANS AT THE MEETING.
2. AFTER COMPLETION OF ALL ITEMS SHOWN ON THESE PLANS AND BEFORE ACCEPTANCE OF THE PROJECT, THE CONTRACTOR SHALL OBTAIN A "PUNCH LIST" PREPARED BY THE CITY'S INSPECTOR DETAILING REMAINING ITEMS OF WORK TO BE COMPLETED. ALL ITEMS OF WORK SHOWN ON THESE PLANS SHALL BE COMPLETED TO THE SATISFACTION OF THE CITY PRIOR TO ACCEPTANCE OF THE WATER SYSTEM AND PROVISION OF SANITARY SEWER SERVICE.
3. ALL MATERIALS AND WORKMANSHIP SHALL CONFORM TO THE STANDARD SPECIFICATIONS FOR ROAD, BRIDGE, AND MUNICIPAL CONSTRUCTION (HEREINAFTER REFERRED TO AS THE "STANDARD SPECIFICATIONS"), WASHINGTON STATE DEPARTMENT OF TRANSPORTATION AND AMERICAN PUBLIC WORKS ASSOCIATION, WASHINGTON STATE CHAPTER, LATEST EDITION, UNLESS SUPERSEDED OR AMENDED BY THE CITY OF PUYALLUP CITY STANDARDS FOR PUBLIC WORKS ENGINEERING AND CONSTRUCTION (HEREINAFTER REFERRED TO AS THE "CITY STANDARDS"), OR AS DIRECTED BY FRUITLAND MUTUAL WATER COMPANY (FMWC), VALLEY WATER (VW), OR TACOMA CITY WATER (TCW) IS THE PURVEYOR.
4. A COPY OF THESE APPROVED PLANS AND APPLICABLE CITY DEVELOPER SPECIFICATIONS AND DETAILS SHALL BE ON SITE DURING CONSTRUCTION.
5. ANY REVISIONS MADE TO THESE PLANS MUST BE REVIEWED AND APPROVED BY THE DEVELOPER'S ENGINEER, THE ENGINEERING SERVICES STAFF, AND THE FMWC, VW OR TCW WHEN SERVED BY THAT PURVEYOR, PRIOR TO ANY IMPLEMENTATION IN THE FIELD. THE CITY SHALL NOT BE RESPONSIBLE FOR ANY ERRORS AND/OR OMISSIONS ON THESE PLANS.
6. THE CONTRACTOR SHALL HAVE ALL UTILITIES VERIFIED ON THE GROUND PRIOR TO ANY CONSTRUCTION. CALL (811) AT LEAST TWO WORKING DAYS IN ADVANCE. THE OWNER AND HIS/HER ENGINEER SHALL BE CONTACTED IMMEDIATELY IF A CONFLICT EXISTS.
7. ANY STRUCTURE AND/OR OBSTRUCTION WHICH REQUIRES REMOVAL OR RELOCATION RELATING TO THIS PROJECT SHALL BE DONE SO AT THE DEVELOPER'S EXPENSE.
8. BACTERIOLOGICAL (COLIFORM AND IRON BACTERIA) TEST SAMPLES WILL BE TAKEN BY THE CITY (OR FMWC, VW OR TCW WHEN SERVED BY THAT PURVEYOR) AND PAID FOR BY THE CONTRACTOR, EXCEPT FOR CAPITAL IMPROVEMENT PROJECTS (CIP) WHICH SHALL BE PAID FOR BY THE CITY.
9. WATER MAINS SHALL HAVE A MINIMUM COVER OF 36 INCHES FROM PAVED FINAL GRADE IN IMPROVED RIGHT-OF-WAY AND IMPROVED EASEMENTS, AND A MINIMUM OF 48 INCHES IN UNIMPROVED RIGHT-OFWAY AND UNIMPROVED EASEMENTS. CITY OF PUYALLUP - CITY STANDARDS WATER REVISED 3/2020 300-8.
10. PIPE FOR WATER MAINS SHALL BE DUCTILE IRON CONFORMING TO SECTION 7-09 OF THE STANDARD SPECIFICATIONS, CLASS 52 WITH TYTON OR APPROVED EQUAL JOINTS. PIPE SHALL BE CEMENT LINED IN ACCORDANCE WITH A.S.A. SPECIFICATION A 21.4-1964.
11. CONNECTIONS TO EXISTING WATER MAINS TYPICALLY SHALL BE WET TAPS THROUGH A TAPPING TEE AND TAPPING VALVE AND SHALL BE MADE BY A CITY APPROVED CONTRACTOR. THE TAPPING SLEEVE SHALL BE ROMAC SST ALL STAINLESS STEEL TAPPING SLEEVE OR APPROVED EQUAL. A TWO-PIECE EPOXY COATED OR DUCTILE IRON TAPPING SLEEVE MAY BE USED ON DUCTILE IRON PIPE, WHEN THE TAP IS SMALLER THAN THE WATER MAIN SIZE I.E. 6 INCH TAP ON 8 INCH PIPE. THE CITY (OR FMWC, VW OR TCW WHEN SERVED BY THAT PURVEYOR) SHALL APPROVE THE TIME AND LOCATION FOR THESE CONNECTIONS.
12. ALL WATER MAINS AND APPURTENANCES SHALL BE HYDROSTATICALLY TESTED AT 200 PSI IN ACCORDANCE WITH STANDARD SPECIFICATION 7-09.3(23). PRESSURE TESTING SHALL NOT BE PERFORMED UNTIL SATISFACTORY PURITY SAMPLES HAVE BEEN RECEIVED, EXCEPT WHEN NEW WATER MAINS ARE INSTALLED INDEPENDENTLY FROM THE WATER SYSTEM PIPING.
13. FIRE HYDRANTS SHALL BE INSTALLED IN ACCORDANCE WITH CITY STANDARD DETAIL 03.05.01 AND AS DIRECTED BY THE CITY OF PUYALLUP FIRE CODE OFFICIAL.
14. VALVE MARKER POSTS SHALL BE INSTALLED WHERE VALVE BOXES ARE HIDDEN FROM VIEW OR IN UNPAVED AREAS. THE INSTALLATION SHALL BE IN ACCORDANCE WITH CITY STANDARD DETAIL 03.01.02.
15. RESILIENT SEATED WEDGE GATE VALVES SHALL BE USED FOR 10-INCH MAINS AND SMALLER. BUTTERFLY VALVES SHALL BE USED FOR MAINS GREATER THAN 10 INCHES.
16. PIPE FITTING FOR WATER MAINS SHALL BE DUCTILE IRON AND SHALL BE MECHANICAL JOINT CONFORMING TO AWWA SPECIFICATION C111-72.
17. WATER MAIN PIPE AND SERVICE CONNECTIONS SHALL BE A MINIMUM OF 10 FEET AWAY FROM BUILDING FOUNDATIONS AND/OR ROOF LINES.
18. WHERE A WATER MAIN CROSSES THE NORTHWEST GAS PIPELINE, THE WATER LINE SHALL BE CASED WITH PVC PIPE A MINIMUM OF 10 FEET BEYOND EACH SIDE OF THE GAS LINE EASEMENT. CONTACT WILLIAMS NORTHWEST PIPELINE BEFORE THE CROSSING IS MADE.
19. TRENCHING, BEDDING, AND BACKFILL FOR WATER MAINS SHALL BE INSTALLED IN ACCORDANCE WITH CITY STANDARD DETAIL 06.01.01.
20. ALL COMMERCIAL AND INDUSTRIAL DEVELOPMENTS, IRRIGATION SYSTEMS, AND MULTI-FAMILY WATER SERVICE CONNECTIONS SHALL BE PROTECTED BY A DOUBLE CHECK VALVE ASSEMBLY OR A REDUCED PRESSURE BACKFLOW ASSEMBLY AS DIRECTED BY THE CITY (OR FMWC, VW OR TCW WHEN SERVED BY THAT PURVEYOR) CONFORMING TO CITY STANDARD DETAILS 03.04.01, 03.04.02, AND 03.04.03.
21. ANY LEAD JOINT FITTING DISTURBED DURING CONSTRUCTION SHALL BE REPLACED WITH A MECHANICAL JOINT FITTING AT THE CONTRACTOR'S EXPENSE.
22. WHEN HYDRAULIC FIRE FLOW MODELING IS REQUIRED FOR A PROJECT, THE CITY WILL ISSUE A PERMIT. THE HYDRAULIC MODELING CRITERIA IS BASED ON THE PROJECTED 2030 WATER DEMAND, WHILE MAINTAINING A MINIMUM SYSTEM PRESSURE OF 20 POUNDS PER SQUARE INCH AND A MAXIMUM VELOCITY OF 10 FEET PER SECOND. CITY OF PUYALLUP - CITY STANDARDS WATER REVISED 3/2020 300-9.
23. WHEN FILLING A NEW WATER MAIN FOR PURITY WITH HIGHLY CONCENTRATED CHLORINE WATER, THAT "SUPER" CHLORINATED WATER CANNOT SIT INSIDE THE NEW WATER MAIN FOR GREATER THAN 5 DAYS.
24. WHEN USING A FIRE HYDRANT FOR NON-FIREFIGHTING PURPOSES, A CITY HYDRANT METER MUST BE USED. COORDINATE THE ACQUISITION OF THE HYDRANT METER WITH THE CITY'S UTILITY BILLING DIVISION AT PUYALLUP CITY HALL. A CITY APPROVED BACKFLOW PROTECTION ASSEMBLY SHALL BE INSTALLED BY THE PERSON REQUESTING USE OF A FIRE HYDRANT. THE ASSEMBLY SHALL BE ACCOMPANIED BY A CURRENT BACKFLOW ASSEMBLY TEST REPORT. THE TEST REPORT SHALL BE AVAILABLE AT THE SITE FOR THE DURATION OF THE HYDRANT USE.

PUYALLUP SANITARY SEWER NOTES:

1. ALL WORK IN CITY RIGHT-OF-WAY REQUIRES A PERMIT FROM THE CITY OF PUYALLUP. PRIOR TO ANY WORK COMMENCING, THE GENERAL CONTRACTOR SHALL ARRANGE FOR A PRECONSTRUCTION MEETING AT THE DEVELOPMENT SERVICES CENTER TO BE ATTENDED BY ALL CONTRACTORS THAT WILL PERFORM WORK SHOWN ON THE ENGINEERING PLANS, REPRESENTATIVES FROM ALL APPLICABLE UTILITY COMPANIES, THE PROJECT OWNER AND APPROPRIATE CITY STAFF. CONTACT ENGINEERING SERVICES TO SCHEDULE THE MEETING (253) 841-5568. THE CONTRACTOR IS RESPONSIBLE TO HAVE THEIR OWN APPROVED SET OF PLANS AT THE MEETING.
2. AFTER COMPLETION OF ALL ITEMS SHOWN ON THESE PLANS AND BEFORE ACCEPTANCE OF THE PROJECT, THE CONTRACTOR SHALL OBTAIN A "PUNCH LIST" PREPARED BY THE CITY'S INSPECTOR DETAILING REMAINING ITEMS OF WORK TO BE COMPLETED. ALL ITEMS OF WORK SHOWN ON THESE PLANS SHALL BE COMPLETED TO THE SATISFACTION OF THE CITY PRIOR TO ACCEPTANCE OF THE SEWER SYSTEM AND PROVISION OF SANITARY SEWER SERVICE.
3. ALL MATERIALS AND WORKMANSHIP SHALL CONFORM TO THE STANDARD SPECIFICATIONS FOR ROAD, BRIDGE, AND MUNICIPAL CONSTRUCTION (HEREINAFTER REFERRED TO AS THE "STANDARD SPECIFICATIONS"), WASHINGTON STATE DEPARTMENT OF TRANSPORTATION AND AMERICAN PUBLIC WORKS ASSOCIATION, WASHINGTON STATE CHAPTER, LATEST EDITION, UNLESS SUPERSEDED OR AMENDED BY THE CITY OF PUYALLUP CITY STANDARDS FOR PUBLIC WORKS ENGINEERING AND CONSTRUCTION (HEREINAFTER REFERRED TO AS THE "CITY STANDARDS").
4. A COPY OF THESE APPROVED PLANS AND APPLICABLE CITY DEVELOPER SPECIFICATIONS AND DETAILS SHALL BE ON SITE DURING CONSTRUCTION.
5. ANY REVISIONS MADE TO THESE PLANS MUST BE REVIEWED AND APPROVED BY THE DEVELOPER'S ENGINEER AND THE ENGINEERING SERVICES STAFF PRIOR TO ANY IMPLEMENTATION IN THE FIELD. THE CITY SHALL NOT BE RESPONSIBLE FOR ANY ERRORS AND/OR OMISSIONS ON THESE PLANS.
6. THE CONTRACTOR SHALL HAVE ALL UTILITIES VERIFIED ON THE GROUND PRIOR TO ANY CONSTRUCTION. CALL (811) AT LEAST TWO WORKING DAYS IN ADVANCE. THE OWNER AND HIS/HER ENGINEER SHALL BE CONTACTED IMMEDIATELY IF A CONFLICT EXISTS.
7. ANY STRUCTURE AND/OR OBSTRUCTION WHICH REQUIRE REMOVAL OR RELOCATION RELATING TO THIS PROJECT SHALL BE DONE SO AT THE DEVELOPER'S EXPENSE.
8. MINIMUM GRADE ON ALL 4 INCH RESIDENTIAL SIDE SEWERS SHALL BE 2 PERCENT AND 6 INCH COMMERCIAL SIDE SEWERS SHALL BE 1 PERCENT; MAXIMUM SHALL BE 8 PERCENT. ALL SIDE SEWERS SHALL BE 6 INCHES WITHIN CITY RIGHT-OF-WAY.
9. SIDE SEWERS SHALL BE INSTALLED IN ACCORDANCE WITH CITY STANDARD NOS. 04.03.01, 04.03.02, 04.03.03 AND 04.03.04. SIDE SEWER INSTALLATION WORK SHALL BE DONE IN ACCORDANCE WITH THE WASHINGTON INDUSTRIAL SAFETY AND HEALTH ACT (WISHA).
10. ALL SEWER PIPE SHALL BE PVC, POLYPROPYLENE, OR DUCTILE IRON. PVC SEWER PIPE SHALL CONFORM TO ASTM D-3034, SDR35 FOR PIPE SIZES 15-INCH AND SMALLER AND ASTM F679 FOR PIPE SIZES 18- TO 27-INCH, DUCTILE IRON PIPE SHALL BE CLASS 51 OR GREATER, LINED WITH PROTECTO 401TM CITY OF PUYALLUP - CITY STANDARDS SANITARY SEWER REVISED 03/2020 400-8 EPOXY LINING OR EQUIVALENT, UNLESS OTHERWISE NOTED. 12-INCH THROUGH 30-INCH POLYPROPYLENE PIPE (PP) SHALL BE DUAL WALLED, HAVE A SMOOTH INTERIOR AND EXTERIOR CORRUGATIONS AND MEET WSDOT 9-05.24(2). IT SHALL MEET OR EXCEED ASTM F2764. 36-INCH THROUGH 60-INCH PP PIPE SHALL BE TRIPLE WALLED AND MEET WSDOT 9-05.24(2). IT SHALL MEET OR EXCEED ASTM F2764. PP SHALL HAVE A MINIMUM PIPE STIFFNESS OF 46 PII WHEN TESTED IN ACCORDANCE WITH ASTM D2412. TESTING SHALL BE PER ASTM F1417. TRENCHING, BEDDING, AND BACKFILL SHALL BE IN ACCORDANCE WITH CITY STANDARD NO. 06.01.01. MINIMUM COVER ON PVC AND PP PIPE SHALL BE 3.0 FEET. MINIMUM COVER ON DUCTILE IRON PIPE SHALL BE 1.0 FOOT.
11. SANITARY SEWER MANHOLE FRAMES AND COVERS SHALL CONFORM TO CITY STANDARD NO. 06.01.02.
12. SANITARY SEWER MANHOLES SHALL CONFORM TO CITY STANDARD NOS. 04.01.01, 04.01.02, 04.01.03 AND 04.01.04. ALL MANHOLES SHALL BE CHANNELED FOR FUTURE LINES AS SPECIFIED ON THESE PLANS. MANHOLE STEPS AND LADDER SHALL CONFORM TO STANDARD NO. 06.01.03.
13. SANITARY SEWER PIPE AND SIDE SEWERS SHALL BE 10 FEET AWAY FROM BUILDING FOUNDATIONS AND/OR ROOF LINES WITH THE EXCEPTION OF SIDE SEWERS THAT PROVIDE SERVICE TO A SINGLE-FAMILY RESIDENCE. AT THE DISCRETION OF THE REVIEW ENGINEER, A LICENSED PROFESSIONAL ENGINEER WILL BE REQUIRED TO STAMP THE DESIGN TO ACCOUNT FOR DEPTH OR PROXIMITY TO FOUNDATION, STEEP SLOPES, OR OTHER FACTORS.
14. NO SIDE SEWERS SHALL BE CONNECTED TO ANY HOUSE OR BUILDING UNTIL ALL MANHOLES ARE ADJUSTED TO THE FINISHED GRADE OF THE COMPLETED ASPHALT ROADWAY AND THE ASPHALT PATCH AND SEAL AROUND THE RING ARE ACCEPTED.
15. FOR COMMERCIAL DEVELOPMENTS IN WHICH SOURCES OF GREASE AND/OR OILS MAY BE INTRODUCED TO THE CITY SANITARY SEWER SYSTEM, A CITY APPROVED GREASE INTERCEPTOR SHALL BE INSTALLED DOWNSTREAM FROM THE SOURCE.
16. ONCE SEWER AND ALL OTHER UTILITY CONSTRUCTION IS COMPLETED, ALL SANITARY SEWER MAINS AND SIDE SEWERS SHALL BE TESTED PER SECTION 406 OF THE CITY STANDARDS.

CONSTRUCTION NOTES

SITEWORK NOTES:

1. CONST CURB AND GUTTER, SEE COP STD PLAN 01.02.09.
2. CONST SIDEWALK, SEE COP STD PLAN 01.02.01.
3. CONST DECORATIVE CONCRETE, SEE HARDSCAPE PLANS.
4. CONST CEMENT CONCRETE TRAFFIC CURB, SEE WSDOT STD PLAN F-10.12.
5. CONST DEPRESSED CURB ALONG ADA PARKING, SEE WSDOT STD PLAN F-10.12.
6. CONST PARKING LOT PAVEMENT, SEE DWG F1592-CRY021.
7. CONST FULL DEPTH PAVEMENT, SEE COP STD PLAN 01.01.06.
8. CONST CURB RAMP TYPE B, SEE COP STD PLAN 01.03.04.
9. CONST WIDENED REINFORCED PROTECTION GUTTER, SEE F1592-CPD011.
10. CONST FULL DEPTH PAVEMENT PATCH PER 01.01.20, EXCEPT WITHOUT OVERLAY.
11. CONST CURB RAMP TYPE A, SEE COP STD PLAN 01.03.03.
12. CONST CURB RAMP TYPE C, SEE COP STD PLAN 01.03.05.
13. CONST DRIVEWAY ALT 1, SEE COP STD PLAN 01.02.17.
15. CONST FRENCH DRAIN, SEE DWG F1592-CRY021.
17. CONST CHAIN LINK FENCE TYPE 3, SEE WSDOT STD PLAN L-20.10-03.
20. CONST TRANSFORMER PAD (8.0'x8.0'), 6" SIDEWALK CONCRETE
21. CONST GENERATOR PAD (12.0'x5.0'), 6" SIDEWALK CONCRETE
22. CONST TRASH RECEPTACLE PAD (5.0'x3.0), 6" SIDEWALK CONCRETE
23. CONST BOLLARD, SEE WSDOT STD PLAN H-60.20-01
24. 4" WIDE YELLOW PAINT STRIPE
25. CONST PRE-CAST CONCRETE WHEEL STOP.
26. DISABLED PERSON SYMBOL MARKING, SEE COS STD PLAN 721a.
27. 4" WIDE WHITE PAINT STRIPE.
28. PROTECT EXISTING IRRIGATION MAIN AND CONTROL WIRES, SEE DRAWING F15192-LRP104 FOR THE PROPOSED IRRIGATION MAIN
29. "COMPACT" STALL PAVEMENT MARKING SHALL BE 3" FEET WIDE WITH 4" THICK WHITE PAINT STRIPING FOR THE LETTERS
34. TYPE 1 PAVEMENT ARROW PER COP STD PLAN 01.03.14.
35. 18" WIDE THERMOPLASTIC WHITE STOP LINE.
36. CONST SIGN R6-2L (ONE WAY [LEFT]) ON TELESPAR POST, PER COP STD PLAN 01.40.01
37. CONST SIGN R6-2R (ONE WAY [RIGHT]) ON TELESPAR POST, PER COP STD PLAN 01.40.01
38. CONST STOP SIGN PER COP STD PLAN 01.04.02.
39. CONST SIGN R7-801 (RESERVED PARKING) ON TELESPAR POST.
40. CONST SIGN ASSEMBLY R7-801, R7-801A (RESERVED PARKING, VAN ACCESSIBLE) ON TELESPAR POST, PER COP STD PLAN 01.40.01
41. CONST SIGN R6-2R (ONE WAY [RIGHT]) ON EXISTING SIGNAL POLE.

UTILITY NOTES:

1. CONST 6" PVC SAMPLING TEE PER COP STD 01.03.04.
2. CONST SIDE SEWER MAIN TAP PER COP STD 04.02.01.
4. CONST 6" TO 4" PVC REDUCER.
5. CONST 6" PVC SIDE SEWER.
6. CONST 48" MH PER COP STD 04.01.01.
7. CONST 44" OIL WATER SEPARATOR.
8. CONST DI 6" RESILIENT WEDGE GATE VALVE.
9. CONST 3" PVC SIDE SEWER.
10. CONST 4" X 4" X 3" WYE.
11. CONST DI 6" FIRE SVC.
12. CONST 2" DOM WATER SVC PER COP STD 03.03.02.
13. CONST 2" IRRG SVC PER COP STD.
14. CONST 8" DI WATER MAIN PER COP STD 03.01.01.
15. CONST FH PER COP STD 03.05.01.
16. CONST THRUST BLK PER COP STD'S 03.03.01-1 & 03.02.01-3.
17. CONST 10" DI WATER MAIN PER COP STD 03.01.01.
18. CONST 2" DCVA PER COP STD 03.04.01.
19. CONNECT TO MAIN PER COP STD SPEC 301.1 NOTE 3.
20. CONNECT TO EXIST 8" MAIN WITH TAPPING SLEEVE.
21. CONNEC TO EXIST 10" MAIN WITH TAPPING SLEEVE.
30. PSE TO CONST PP, NIC.
31. PSE TO CONST POWER SVC.
32. PSE TO RMV PP, NIC.
35. CONST 4" CONDUIT.

DEMOLITION NOTES:

1. REMOVAL LIMITS.
2. REMOVE UTILITY STRUCTURE.
3. REMOVE UTILITY PIPE.
4. ABANDON UTILITY PIPE.
5. ADJUST EXISTING UTILITY TO FINISH GRADE.
6. REMOVE/RELOCATE/ADJUST UTILITY (BY OTHERS).
7. REMOVE STRUCTURE AND OBSTRUCTION.
8. REMOVE AND DISPOSE OF EXISTING CHAIN LINK FENCE AND GATE.
10. RELOCATE BNSF EQUIPMENT (BY OTHERS).
11. PROTECT EXISTING UTILITY OR STRUCTURE.
12. RELOCATE EXISTING UTILITY STRUCTURE.
13. CAP WATER MAIN.
14. INSTALL THRUST BLOCK, PER COP STD PLAN 03.02.01-1 & 03.02.01-3.
15. PLUG UTILITY PIPE.
16. REMOVE BLDG STRUCTURE.
17. PSE TO REMOVE PP NIC.
18. PSE TO REMOVE OHP NIC.
19. PAVEMENT PATCH PER COP STD PLAN 01.01.20 MODIFIED TO ELIMINATE GRIND AND OVERLAY.
20. 2" HMA PATCH OVER TRENCH BACKFILL.
21. REMOVE WATER VALVE.
22. PROTECT TREES.
23. REMOVE CURB.
24. REMOVE SIDEWALK.
26. FILL ABANDONED PIPE WITH CDF.
28. PROTECT EXISTING IRRIGATION MAIN AND CONTROL WIRES, SEE DRAWING F1592-LRP104 FOR THE PROPOSED IRRIGATION MAIN

05/04/23 | 3:20 PM | JONC
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FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	04/17/2023	BSP	JGM	JGM	FINAL AS-BUILT

DESIGNED BY: B. PILON
DRAWN BY: J. CURTIS
CHECKED BY: J. MATTHEWS
APPROVED BY: J. MATTHEWS

kpff

HENSEL PHELPS Plan. Build. Manage.
kpff

LINE IS 1" AT FULL SCALE

SoundTransit

SCALE: NTS
FILENAME: S317-F1592-CZN001
CONTRACT No.: RTA/CN 0612-18

SUBMITTED BY: SARA ROBERTS
DATE: 04/17/2023
REVIEWED BY: GREG SHIMIZU
DATE: 04/17/2023
SUBMITTAL DATE: 04/17/2023

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
CIVIL
NOTES

DRAWING No.: F1592-CZN001
FACILITY ID: F1592
SHEET No.: 7
REV: 0

1

Xrefs:
xS317-F1592-CZN00
xGB-TB22x34

SYMBOLS

EXISTING		PROPOSED
	TRAFFIC SIGNAL POLE	
SJ	SIGNAL JUNCTION BOX	
	TRAFFIC SIGNAL POLE WITH LUMINAIRE	
	CAMERA	CAM
	TECHNOLOGY SERVICES	
	DOUBLE LUMINAIRE	
	BOLLARD	
	STANDPIPE WITH HOSE VALVE	
WM OR	WATER METER	
W	WATER MANHOLE	W
	THRUST BLOCK	
	REDUCER	
OR	FIRE HYDRANT	OR
	FIRE DEPARTMENT CONNECTION	
	BUTTERFLY VALVE, M.J.	
	EMPTY CASING (CAPPED)	
	POST INDICATOR VALVE	
	GATE VALVE	
	CAPPED PIPE/PLUG, MECHANICAL JOINT	
	CHECK VALVE	
	WATER BLOWOFF VALVE	
ICV	IRRIGATION CONTROL VALVE	ICV
	GAS VALVE	
	PAD MOUNTED TRANSFORMER	
EV OR E	ELECTRIC VAULT	EV
EMH OR E	ELECTRIC MANHOLE	EMH
EM	ELECTRIC METER	EM
	UTILITY POLE	
	UTILITY POLE ANCHOR	
OR	UTILITY POLE W/ LIGHT	OR
	GUY POLE W/ANCHOR	
	TELEPHONE RISER	
UT	UTILITY VAULT	UT
UNK	UNKNOWN VAULT	
T	TELEPHONE MANHOLE	T
C	CABLE TV MANHOLE	C
FO	FIBER OPTIC MANHOLE	FO
T	TELEPHONE VAULT	T
FO	FIBER OPTIC VAULT	FO
C	CABLE TV VAULT	C
TS	TEST STATION	TS
TCB OR	TRAFFIC CABINET	
	TRAFFIC VAULT	
CO	SAN. SEWER CLEAN OUT	CO
	SAN. SEWER MANHOLE	
	STORM DRAIN CULVERT	
OR	STORM DRAIN MANHOLE (LABELED BY TYPE)	
OR	CATCH BASIN (LABELED BY TYPE)	
CO	STORM DRAIN CLEAN OUT	
	EMBEDDED TRACK DRAIN ASSEMBLY	
	CONCRETE	
	POTHOLE	
DDCA	DOUBLE DETECTOR CHECK VALVE	DDCA
	BIOSWALE	
	MONUMENT MARKER	

EXISTING		PROPOSED
	ROCK PROTECTION OUTFALL	
	JUNCTION BOX TYPE II	
	JUNCTION BOX TYPE VIII	
	TYPE 1, PS, OR PEDESTRIAN PUSHBUTTON POLE	
	PEDESTRIAN SIGNAL HEAD	
	RAILROAD CROSSING GATE	
	SIGNAL CONTROLLER CABINET	
	SERVICE CABINET	
	COUPLING	
	AIR RELEASE VALVE	
	ROAD SIGN	
	REMOVE TREE/SHRUB	X
	LIGHTPOLE	

EXISTING	UTILITY LINE	PROPOSED
	CABLE TV UNDERGROUND	C
OC	CABLE TV OVERHEAD	OC
E	ELECTRIC UNDERGROUND	E
EFO	ELECTRIC/FIBER OPTIC UNDERGROUND	EFO
OE	ELECTRIC OVERHEAD	OE
OEC	ELECTRIC/CABLE TV OVERHEAD	OEC
ET	ELECTRIC/TELEPHONE	ET
OET	ELECTRIC/TELEPHONE OVERHEAD	OET
OETC	ELECTRIC/TELEPHONE/CABLE OVERHEAD	OEC
OEFO	ELECTRIC/FIBER OPTIC OVERHEAD	OEFO
OECFO	ELECTRIC/CABLE/FIBER OPTIC OVERHEAD	OECFO
FO	FIBER OPTIC	FO
CFO	CABLE/FIBER OPTIC	CFO
TCFO	TELEPHONE/CABLE/FIBER OPTIC	TCFO
T&FO	TELEPHONE/FIBER OPTIC	T&FO
TC	TELEPHONE/CABLE TV	CT
G	GAS LINE	G
OP	OIL PIPELINE	OP
SS	SANITARY SEWER	SS
STM	STEAM	
SD	STORM DRAIN	SD
	UNDERDRAIN	UD
	COMBINED SEWER	CS
T	TELEPHONE	T
OT	TELEPHONE OVERHEAD	OT
FO	FIBER OPTIC OVERHEAD	FO
W	WATER	W
	GUY WIRE	
	GRADE LINE	
X	FENCE	X
XX	MAJOR CONTOUR	XX
	MINOR CONTOUR	
	GRADE BREAK	
	GUARD RAIL	I
	CONTRACTOR WORKING LIMITS	
	TOP OF CUT	C
	TOE OF FILL	F

EXISTING	UTILITY LINE (CONT'D)	PROPOSED
	DITCH	>
	CURB	
	CLEARING AND GRUBBING LIMITS	
	HANDRAIL	
	CHAIN LINK FENCE	
	FRENCH DRAIN	

UNDERGROUND UTILITIES W/ A DIAMETER OR WIDTH 18" & GREATER

18" SS	SANITARY SEWER	18" SS
18" SD	STORM DRAIN	18" SD
18 CS	COMBINED SEWER	18" CS
18" W	WATER	18" W
T (2'W X 2'D DB)		T (2'W X 2'D DB)
T&FO (2' W X 2' D DB)	TELEPHONE/FIBER OPTIC DUCT BANK	T&FO (2'W X 2'D DB)
24" CC		24" CC
24" E	ELECTRIC DUCT BANK	E (2'W X 2'D DB)

LEGEND

DEMOLITION

- HMA PAVEMENT REMOVAL
- DEMO STRUCTURE
- REMOVAL LIMITS AND STAGING AREA
- FACILITY TO ABANDON
- FACILITY TO REMOVE
- SAW CUT
- SIDEWALK REMOVAL

PROPOSED

- HMA PARKING LOT, SEE TYPICAL SECTIONS
- CONCRETE SIDEWALK
- LANDSCAPE, SEE LANDSCAPE PLANS
- FULL DEPTH PAVEMENT SEE TYPICAL SECTIONS
- 2" HMA PLANE AND OVERLAY
- DECORATIVE CONCRETE

ABBREVIATIONS

&	AND
BLDG	BUILDING
BLK	BLOCK
CDF	CONTROLLED DENSITY FILL
COMM	COMMUNICATION
CONST	CONSTRUCT, CONSTRUCTION
CBC	CRUSHED BASE COURSE
COP	CITY OF PUYALLUP
CSBC	CRUSHED SURFACING BASE COURSE
CSTC	CRUSHED SURFACING TOP COURSE
CU	COPPER
DB	DUCT BANK
DCVA	DETECTOR CHECK VALVE ASSEMBLY
DI	DUCTILE IRON
DOM	DOMESTIC
DWG	DRAWING
EXIST	EXISTING
FH	FIRE HYDRANT
HMA	HOT MIX ASPHALT
ID	INTERNAL DIAMETER
IRRG	IRRIGATION
LT	LEFT
ME	MATCH EXISTING
MH	MANHOLE
MIN	MINIMUM
NIC	NOT IN CONTRACT
OHP	OVERHEAD POWER
PC	POINT OF CURVATURE
PI	POINT OF INTERSECTION
PP	POWER POLE
PSE	PUGET SOUND ENERGY
PT	POINT OF TANGENT
PVC	POLYVINYL CHLORIDE (PIPE)
PVMT	PAVEMENT
R	RADIUS
RMV	REMOVE
SD	STORM DRAIN
SDMH	STORM DRAIN MANHOLE
SPEC	SPECIFICATION
STD	STANDARD
SS	SANITARY SEWER
SVC	SERVICE
TYP	TYPICAL
WQ	WATER QUALITY
WSDOT	WASHINGTON DEPARTMENT OF TRANSPORTATION
WTR	WATER
W/	WITH
W/O	WITHOUT
ZPG	ZEOLITE-PERLITE-GRANULAR ACTIVATED CARBON

PROPOSED

- LEFT TURN ARROW
- RIGHT TURN
- ARROW THRU
- ARROW THRU/ RIGHT TURN ARROW
- ONLY MARKING
- RAILROAD CROSSING

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	04/17/2023	BSP	JGM	JGM	FINAL AS-BUILT

DESIGNED BY: S. KIRBY
DRAWN BY: M .VU
CHECKED BY: J. MATTHEWS
APPROVED BY: J. MATTHEWS

kpff
SUBMITTED BY: SARA ROBERTS

HENSEL PHELPS
Plan. Build. Manage.
kpff
DATE: 04/17/2023
REVIEWED BY: GREG SHIMIZU

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT
DATE: 04/17/2023

SCALE: NTS
FILENAME: S317-F1592-CZN010
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 04/17/2023

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS

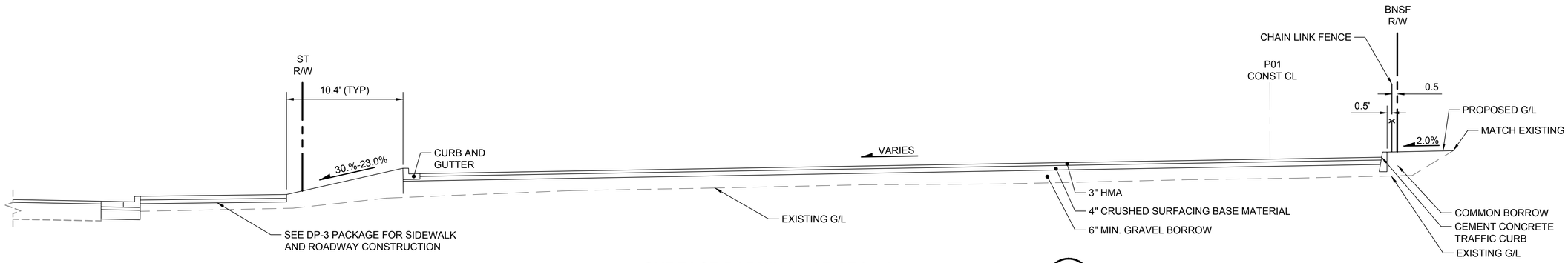
CIVIL
CIVIL SYMBOLS, LEGEND, AND ABBREVIATIONS

DRAWING No.: F1592-CZN010
FACILITY ID: F1592
SHEET No.: REV: 0

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IMPROVEMENTS

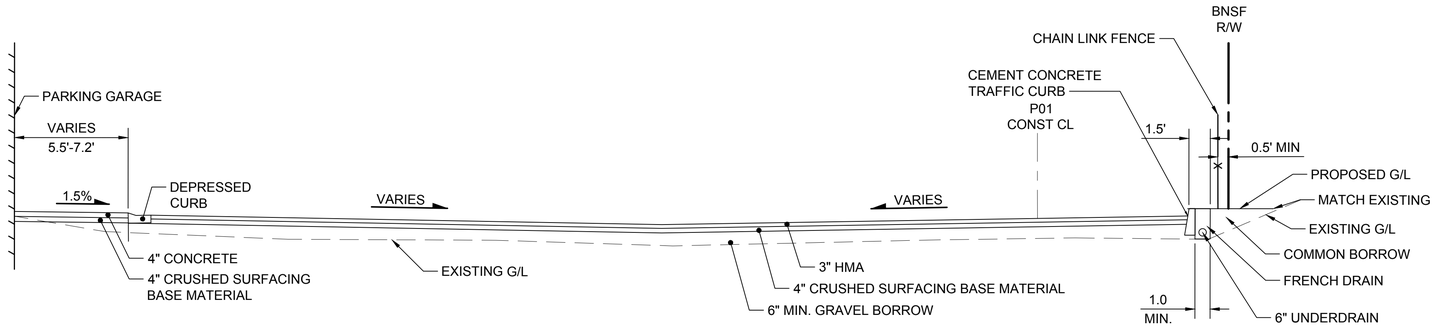
Xrefs:
xS317-F1592-CRY100
xGB-TB22x34



SURFACE PARKING LOT SECTION NEAR 7TH ST NW (A)

SCALE: 1" = 5'

F1592-CRP202



SURFACE PARKING LOT SECTION NEAR 5TH ST NW (B)

SCALE: 1" = 5'

F1592-CRP203

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
	04/17/2023	SGR	JGM	JGM	FINAL AS-BUILT

DESIGNED BY: S. GUJULUVA RAJAN
DRAWN BY: J. CURTIS
CHECKED BY: J. MATTHEWS
APPROVED BY: J. MATTHEWS

kpff — SUBMITTED BY: SARA ROBERTS — DATE: 04/17/2023

HENSEL PHELPS Plan. Build. Manage. kpff — REVIEWED BY: GREG SHIMIZU — DATE: 04/17/2023

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT

SCALE: 1"=5'
FILENAME: S317-F1592-CRY021
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 04/17/2023

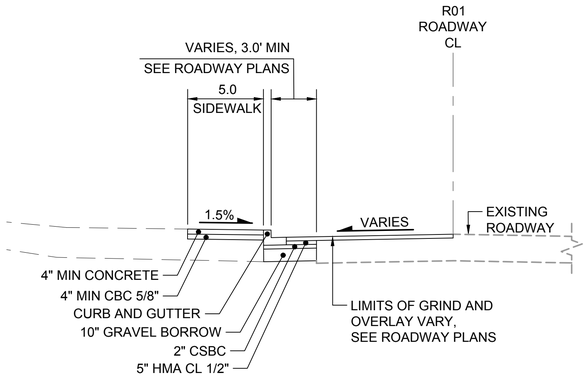
PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION AND ACCESS IMPROVEMENTS
CIVIL
SITE SECTIONS

DRAWING No.: F1592-CRY021
FACILITY ID: F1592
SHEET No.: 9
REV: 0

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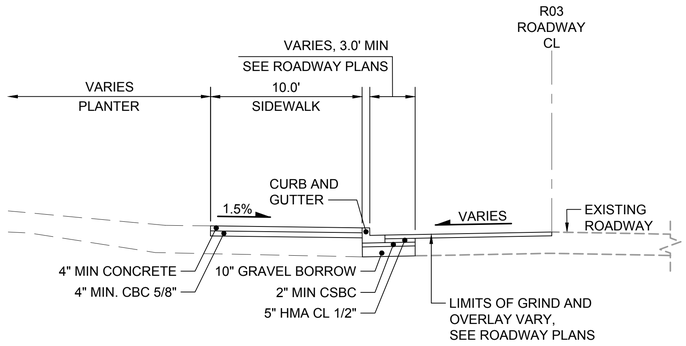
Xrefs:
xGB-TB22x34
xS317-F1592-CRY10



R01 10+00 - R01 37+29.51

TYPICAL SECTION FOR W STEWART AVE — A

F1592-CRP301

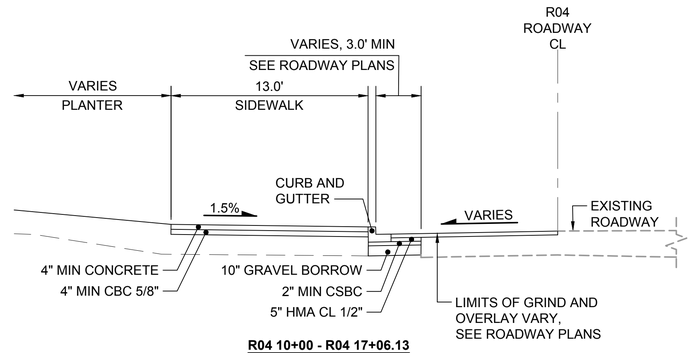


R02 10+00 - R02 14+34.03
R03 10+00 - R03 13+26.63

TYPICAL SECTION FOR 7TH ST NW — B

SCALE: 1" = 5'

F1592-CRP302

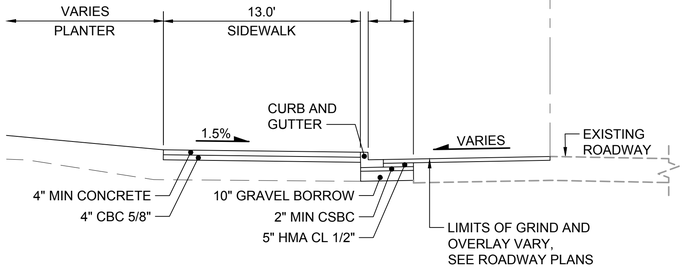


R04 10+00 - R04 17+06.13

TYPICAL SECTION FOR 3RD AVE NW AND 6TH ST NW — C

SCALE: 1" = 5'

F1592-CRP302
F1592-CRP303

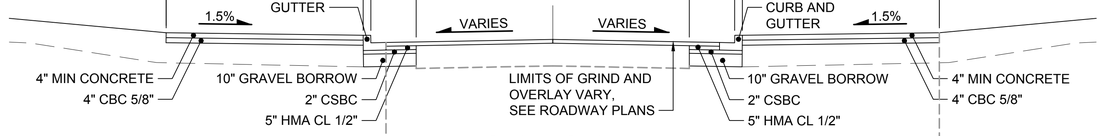


R05 10+00 - R05 13+45.08

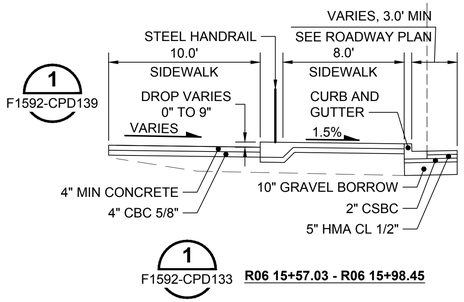
TYPICAL SECTION FOR 2ND AVE NW — D

SCALE: 1" = 5'

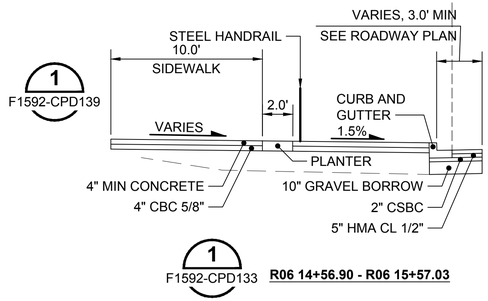
F1592-CRP303



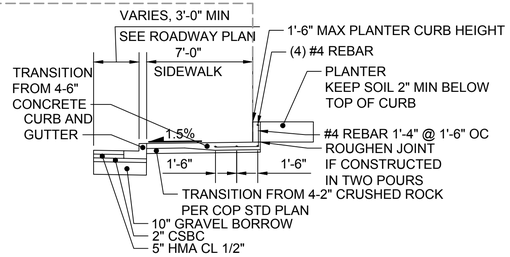
R06 10+00 - R06 18+22.42



R06 15+57.03 - R06 15+98.45



R06 14+56.90 - R06 15+57.03



R06 13+68.27 - R06 14+78.27
PLANTER CURB

TYPICAL SECTION FOR 5TH ST NW — E

SCALE: 1" = 5'

F1592-CRP303

GENERAL NOTES:

1. CURB AND GUTTER CONTROLLED BY ROADWAY PROFILE. SEE CRV SERIES.

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FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	04/17/2023	BSP	JGM	JGM	FINAL AS-BUILT

DESIGNED BY: B. PILON
DRAWN BY: J. CURTIS
CHECKED BY: J. MATTHEWS
APPROVED BY: J. MATTHEWS

kpff — SUBMITTED BY: SARA ROBERTS — DATE: 04/17/2023

HENSEL PHELPS Plan. Build. Manage. kpff — REVIEWED BY: GREG SHIMIZU — DATE: 04/17/2023

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT — SUBMITTAL DATE: 04/17/2023

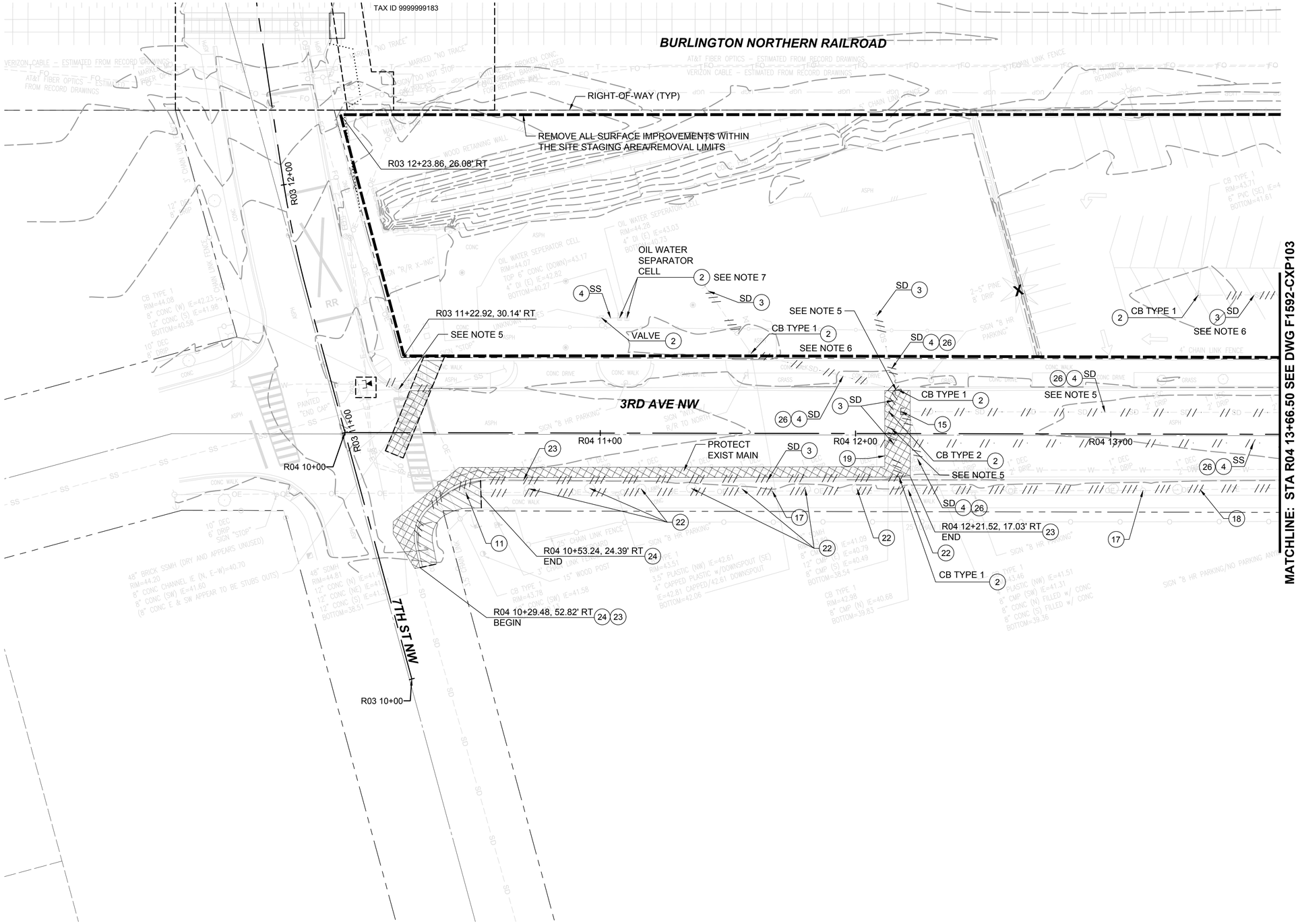
SCALE: 1" = 5'
FILENAME: S317-F1592-CRY031
CONTRACT No.: RTA/CN 0612-18

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
CIVIL
ROADWAY TYPICAL SECTIONS

DRAWING No.: F1592-CRY031
FACILITY ID: F1592
SHEET No.: 10
REV: 0

SCALE: 1" 5

Xrefs:
xS317-F1592-RPP10
xS317-F1592-VRX10
xS317-F1592-CXP10
xGB-TB22x34
xS317-F1592-CPP10



MATCHLINE: STA R04 13+66.50 SEE DWG F1592-CXP103

GENERAL NOTES:

1. DEMOLISH ALL EXISTING SURFACE IMPROVEMENTS WITHIN INDICATED SITE STAGING AREA BOUNDARY AND REMOVAL LIMITS.
2. STAGING AREA TO BE FENCED BY CONTRACTOR. CONTRACTOR TO SUBMIT FENCING FOR APPROVAL.
3. SEE F1592-BSP SERIES DWGS FOR THE DECOMMISSIONING OF MONITORING WELLS.
4. PROTECT IN PLACE DISTRIBUTION AND/OR TRANSMISSION LINES. SEE WAC 296-54-529 FOR CONSTRUCTION CLEARANCES.
5. TEMPORARY BYPASS FROM 3RD AVENUE NW CATCH BASINS TO THE EXISTING SDMH AT 7TH & 3RD SHALL BE IN PLACE, PRIOR TO THE REMOVAL AND ABANDONMENT OF EXISTING STORM DRAIN ON 3RD AVENUE NW AND CONSTRUCTION OF THE NEW STORM MAIN ON 3RD AVENUE NW.
6. TEMPORARY SITE DRAINAGE TO BE IN PLACE PRIOR TO REMOVAL OF EXISTING STORM DRAINAGE SYSTEM ON-SITE.
7. REMOVE OIL WATER SEPARATOR PER WAC 246-272A-0300.
8. FOR GENERAL NOTES, SEE DRAWING F1592-CZN001.
9. FOR SYMBOLS, SEE DRAWING F1592-CZN010.

(2) REMOVE UTILITY STRUCTURE
(3) REMOVE UTILITY PIPE
(4) ABANDON UTILITY PIPE
(6) REMOVE/RELOCATE/ADJUST UTILITY (BY OTHERS)
(11) PROTECT EXISTING UTILITY OR STRUCTURE
(15) PLUG UTILITY PIPE
(17) PSE TO REMOVE PP NIC
(18) PSE TO REMOVE OHP NIC
(19) PAVEMENT PATCH PER COP STD PLAN 01.01.20 MODIFIED TO ELIMINATE GRIND AND OVERLAY
(22) PROTECT TREES, SEE DETAIL 1, SHEET F1592-CXD001
(23) REMOVE CURB
(24) REMOVE SIDEWALK
(26) FILL ABANDONED PIPE WITH CDF

20 10 0 20 40
SCALE IN FEET

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	04/17/2023	SGR	JGM	JGM	FINAL AS-BUILT

DESIGNED BY: S. KIRBY
DRAWN BY: M .VU
CHECKED BY: J. MATTHEWS
APPROVED BY: J. MATTHEWS

kpff
SUBMITTED BY: SARA ROBERTS

HENSEL PHELPS Plan. Build. Manage.
kpff
DATE: 04/17/2023
REVIEWED BY: GREG SHIMIZU

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT
DATE: 04/17/2023

SCALE: 1"=20'
FILENAME: S317-F1592-CXP102
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 04/17/2023

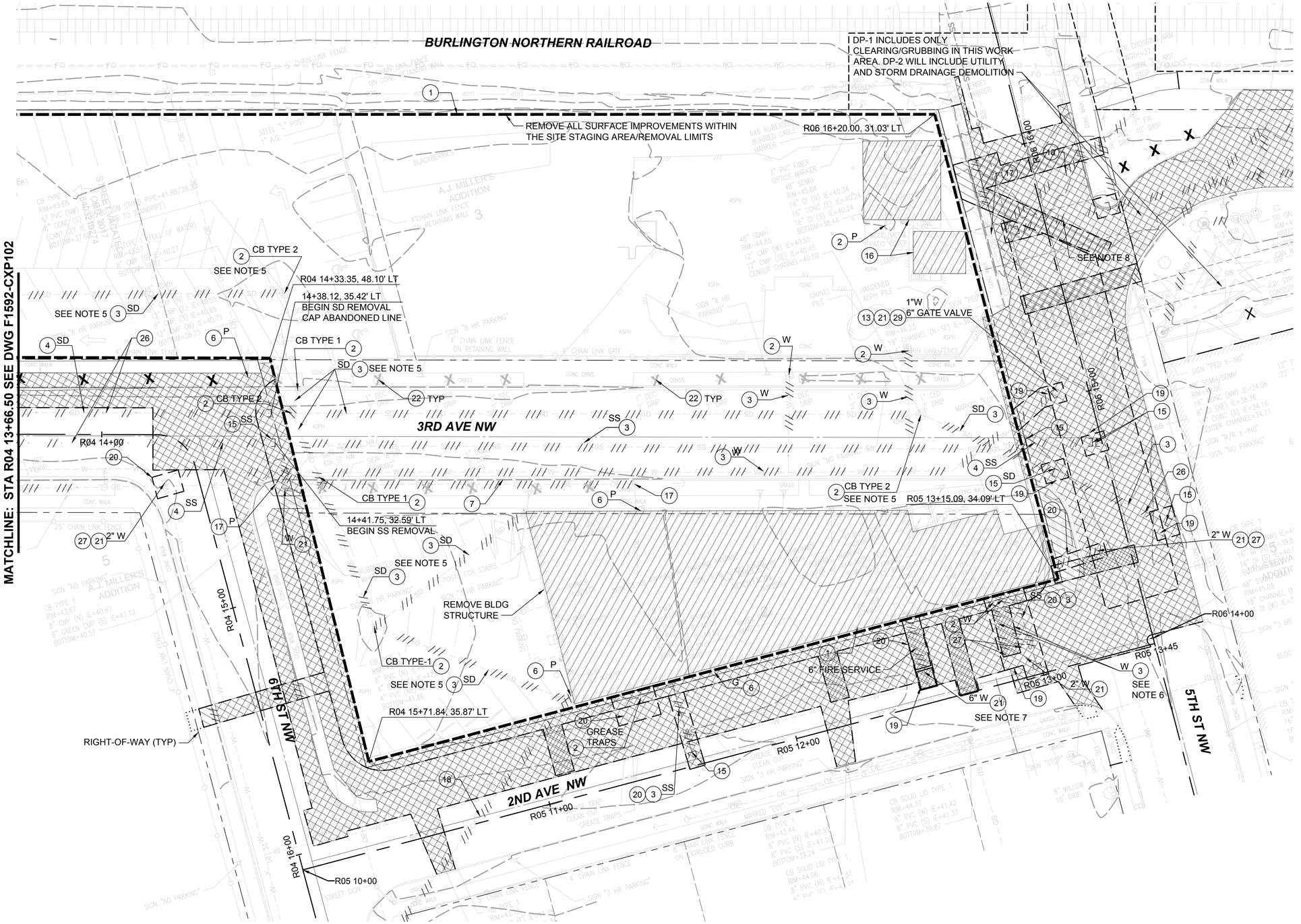
PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
CIVIL
SITE DEMOLITION AND REMOVAL PLAN

DRAWING No.: F1592-CXP102
FACILITY ID: F1592
SHEET No.: 11
REV: 0

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CONSTRUCTION NOTES:

Xrefs:
xS317-F1592-RPP10
xS317-F1592-VRX10
xS317-F1592-CXP10
xGB-TB22x34



GENERAL NOTES:

1. DEMOLISH ALL EXISTING SURFACE IMPROVEMENTS WITHIN INDICATED SITE STAGING AREA BOUNDARY AND REMOVAL LIMITS.
2. STAGING AREA TO BE FENCED BY CONTRACTOR. CONTRACTOR TO SUBMIT FENCING FOR APPROVAL.
3. SEE F1592-BSP SERIES DWGS FOR THE DECOMMISSIONING OF MONITORING WELLS.
4. PROTECT IN PLACE DISTRIBUTION AND/OR TRANSMISSION LINES. SEE WAC 296-54-529 FOR CONSTRUCTION CLEARANCES.
5. TEMPORARY SITE DRAINAGE TO BE IN PLACE PRIOR TO REMOVAL OF EXISTING STORM DRAINAGE SYSTEM ON-SITE.
6. POSSIBLE SIDE SEWER CONNECTION TO EAGLES BATHROOM, ASSUME 6 INCH CONNECTION TO BE ABANDONED.
7. REMOVE 6" GATE VALVE, PLACE FLANGED REDUCERS ON EXISTING 6" TEE TO REDUCE DOWN 1" CONNECTION AND CAP. FUTURE 1" IRRIGATION SERVICE FOR GARAGE.
8. 8 INCH WATERLINE REMOVAL IN DP-2
9. FOR GENERAL NOTES, SEE DRAWING F1592-CZN001.
10. FOR SYMBOLS, SEE DRAWING F1592-CZN010.

CONSTRUCTION NOTES:

1. REMOVAL LIMITS
2. REMOVE UTILITY STRUCTURE
3. REMOVE UTILITY PIPE
4. ABANDON UTILITY PIPE
6. REMOVE/RELOCATE/ADJUST UTILITY (BY OTHERS)
11. PROTECT EXISTING UTILITY OR STRUCTURE
13. CAP WATER MAIN
14. INSTALL THRUST BLOCK, PER COP STD PLAN 03-.02.01-1 & 03.02.01-3
15. PLUG UTILITY PIPE
16. REMOVE BLDG STRUCTURE
17. PSE TO REMOVE PP NIC
18. PSE TO REMOVE OHP NIC
19. PAVEMENT PATCH PER COP STD PLAN 01.01.20 MODIFIED TO ELIMINATE GRIND & OVERLAY
20. 2" HMA PATCH OVER TRENCH BACKFILL
21. REMOVE WATER VALVE
27. INSTALL 2" BRASS PLUG IN WATER MAIN
28. CONST SIDE SEWER CLEAN OUT, SEE COP STD 04.03.04 AND 04.03.05
29. PLACE 6" BLIND FLANGE

No.	DATE	DSN	CHK	APP	REVISION
0	04/17/2023	SGR	JGM	JGM	FINAL AS-BUILT

FINAL AS-BUILT

DESIGNED BY: S. KIRBY
DRAWN BY: M. VU
CHECKED BY: J. MATTHEWS
APPROVED BY: J. MATTHEWS

kpff
SUBMITTED BY: SARA ROBERTS
DATE: 04/17/2023

HENSEL PHELPS Plan. Build. Manage.
kpff
REVIEWED BY: GREG SHIMIZU
DATE: 04/17/2023

LINE IS 1" AT FULL SCALE

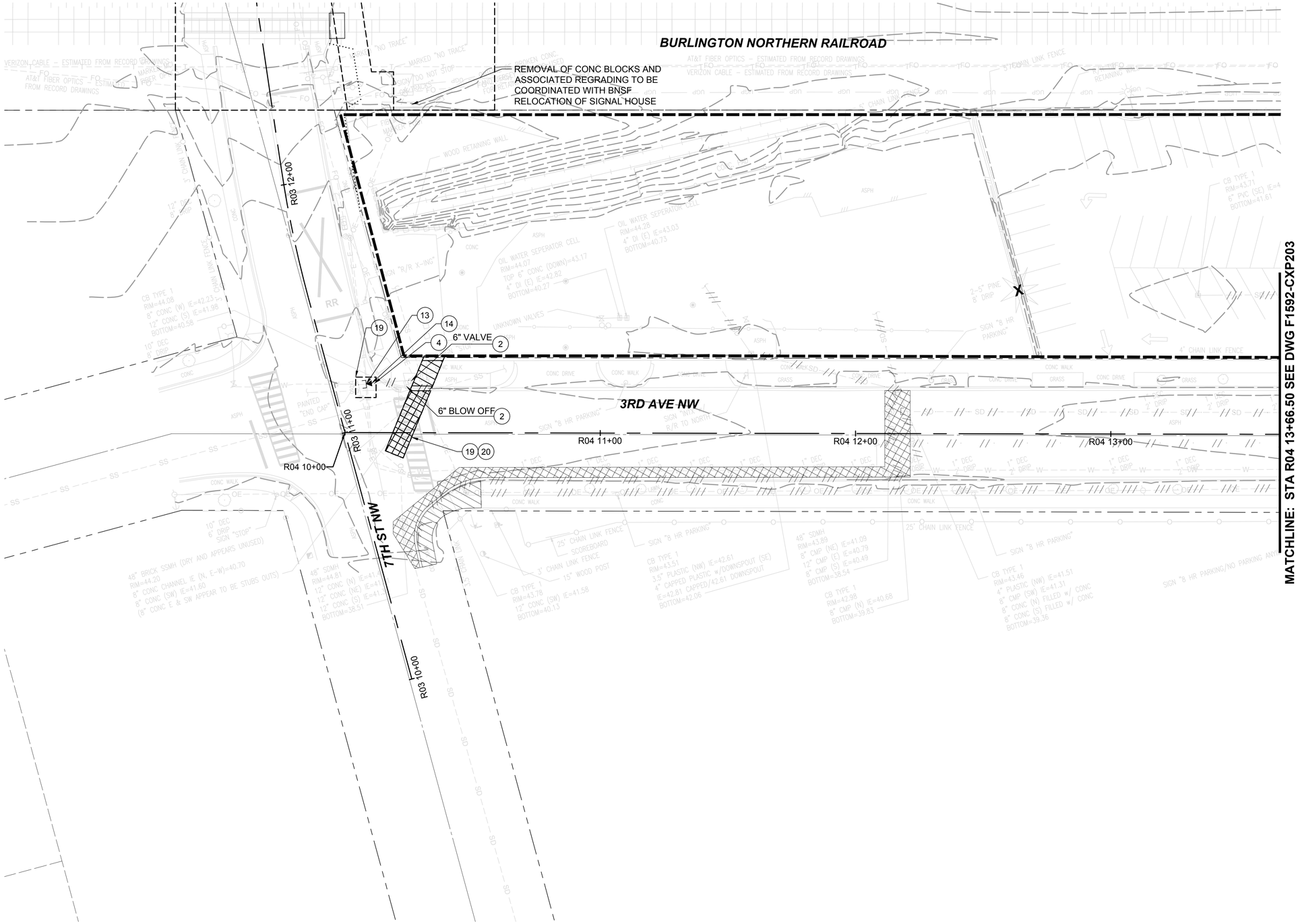
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FILENAME: S317-F1592-CXP103
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 04/17/2023

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
CIVIL
SITE DEMOLITION AND REMOVAL PLAN

DRAWING No.: F1592-CXP103
FACILITY ID: F1592
SHEET No.: 12
REV: 0

05/04/23 | 3:17 PM | JONC
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Xrefs:
xS317-F1592-RPP10
xS317-F1592-VRX10
xS317-F1592-CXP10
xGB-TB22x34
xS317-F1592-CPP10



GENERAL NOTES:

1. FOR GENERAL NOTES, SEE DRAWING F1592-CZN001.
2. FOR SYMBOLS, ABBREVIATION, AND LEGEND, SEE DRAWING F1592-CZN010.

(2) REMOVE UTILITY STRUCTURE

(4) ABANDON UTILITY PIPE

(13) CAP WATER MAIN

(14) INSTALL THRUST BLOCK, PER COP STD PLAN 03-.02.01-1 & 03.02.01-3

(19) PAVEMENT PATCH PER COP STD PLAN 01.01.20 MODIFIED TO ELIMINATE GRIND AND OVERLAY

(20) 2" HMA PATCH OVER TRENCH BACKFILL

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FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	04/17/2023	SGR	JGM	JGM	FINAL AS-BUILT

DESIGNED BY: S. KIRBY
DRAWN BY: M .VU
CHECKED BY: J. MATTHEWS
APPROVED BY: J. MATTHEWS

kpff — SUBMITTED BY: SARA ROBERTS

HENSEL PHELPS Plan. Build. Manage. kpff — DATE: 04/17/2023 — REVIEWED BY: GREG SHIMIZU

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT — DATE: 04/17/2023

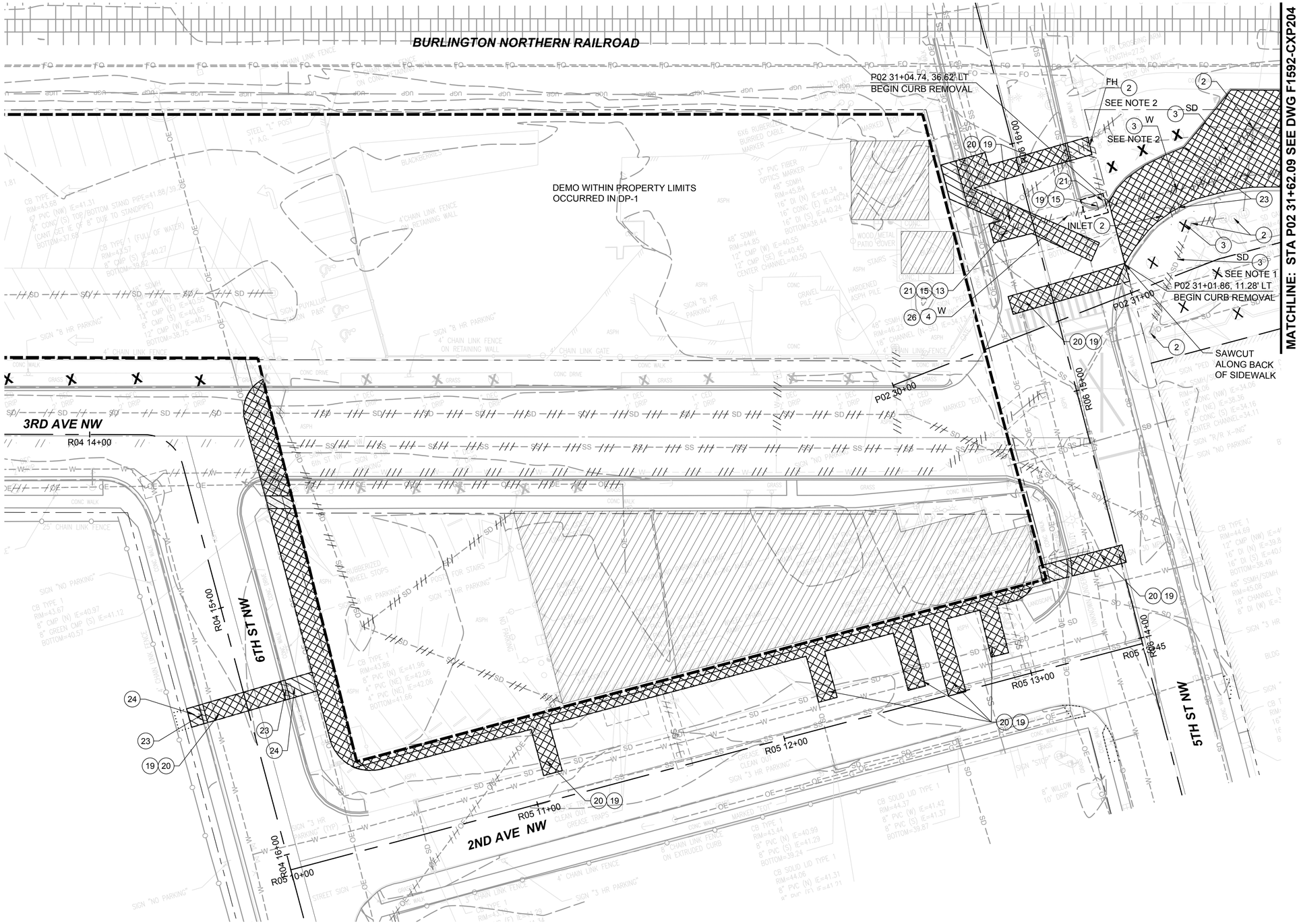
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FILENAME: S317-F1592-CXP202
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 04/17/2023

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
CIVIL
SITE DEMOLITION AND REMOVAL PLAN

DRAWING No.: F1592-CXP202
FACILITY ID: F1592
SHEET No.: 13
REV: 0

CONSTRUCTION NOTES:

Xrefs:
xS317-F1592-RPP10
xS317-F1592-VRX10
xS317-F1592-CXP10
xGB-TB22x34



1. REMOVAL OF STORM DRAINAGE PIPE AND STRUCTURES TO TAKE PLACE AFTER RELOCATION OF STORM VAULT, SEE F1592-CGP203 FOR MORE DETAIL.
2. REMOVAL OF WATER MAIN AND FIRE HYDRANT TO OCCUR AFTER NEW MAIN CONNECTION AND REPLACEMENT FIRE HYDRANT HAS BEEN ACTIVATED.
3. PROTECT IN PLACE DISTRIBUTION AND/OR TRANSMISSION LINES. SEE WAC 296-54-529 FOR CONSTRUCTION CLEARANCES.

CONSTRUCTION NOTES:

(2) REMOVE UTILITY STRUCTURE

(3) REMOVE UTILITY PIPE

(4) ABANDON UTILITY PIPE

(13) CAP WATER MAIN

(14) INSTALL THRUST BLOCK, PER COP STD PLAN 03-.02.01-1 & 03.02.01-3

(15) PLUG UTILITY PIPE

(19) PAVEMENT PATCH PER COP STD PLAN 01.01.20 MODIFIED TO ELIMINATE GRIND & OVERLAY

(20) 2" HMA PATCH OVER TRENCH BACKFILL

(21) REMOVE WATER VALVE

(23) REMOVE CURB

(24) REMOVE SIDEWALK

(26) FILL ABANDONED PIPE WITH CDF

20 10 0 20 40
SCALE IN FEET

GENERAL NOTES:

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	04/17/2023	SGR	JGM	JGM	FINAL AS-BUILT

DESIGNED BY: S. KIRBY
DRAWN BY: J. CURTIS
CHECKED BY: J. MATTHEWS
APPROVED BY: J. MATTHEWS

kpff — SUBMITTED BY: SARA ROBERTS — DATE: 04/17/2023

HENSEL PHELPS Plan. Build. Manage. kpff — REVIEWED BY: GREG SHIMIZU — DATE: 04/17/2023

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT — SUBMITTAL DATE: 04/17/2023

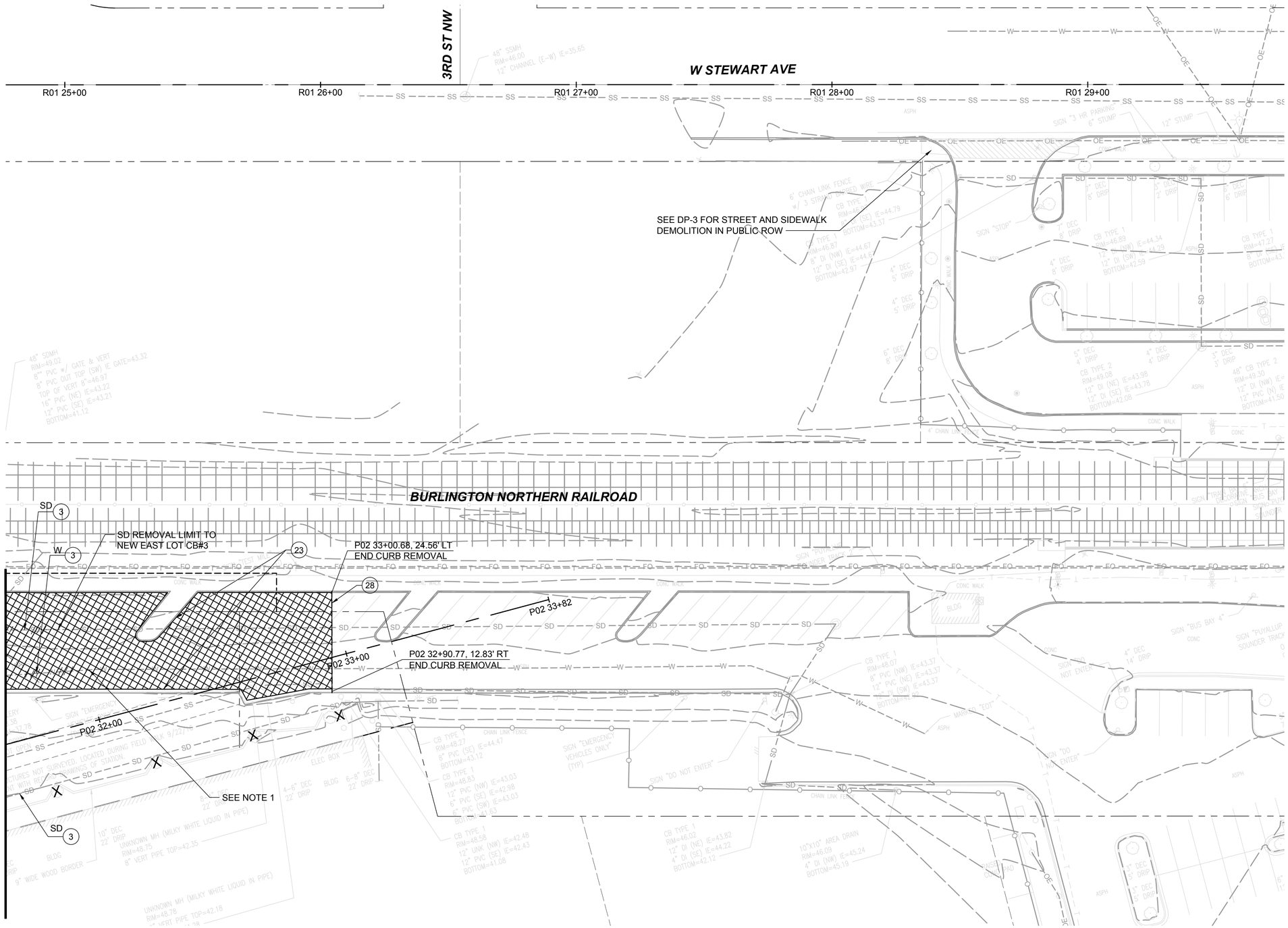
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FILENAME: S317-F1592-CXP203
CONTRACT No.: RTA / CN 0612-18

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
CIVIL
SITE DEMOLITION AND REMOVAL PLAN

DRAWING No.: F1592-CXP203
FACILITY ID: F1592
SHEET No.: 14
REV: 0

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Xrefs:
xS317-F1592-RPP10
xS317-F1592-VRX10
xS317-F1592-CXP10
xGB-TB22x34



GENERAL NOTES:

1. RECONNECT WATER MAIN AT TIME OF DEMO. SEE SHEET F1592-UCP204.
2. PROTECT IN PLACE DISTRIBUTION AND/OR TRANSMISSION LINES. SEE WAC 296-54-529 FOR CONSTRUCTION CLEARANCES.

CONSTRUCTION NOTES:

(3) REMOVE UTILITY PIPE

(23) REMOVE CURB

(28) PROTECT EXISTING IRRIGATION MAIN AND CONTROL WIRES, SEE DRAWING F1592-LRP104 FOR THE PROPOSED IRRIGATION MAIN

20 10 0 20 40
SCALE IN FEET

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	04/17/2023	SGR	JGM	JGM	FINAL AS-BUILT

DESIGNED BY: S. KIRBY
DRAWN BY: J. CURTIS
CHECKED BY: J. MATTHEWS
APPROVED BY: J. MATTHEWS

kpff
SUBMITTED BY: SARA ROBERTS

HENSEL PHELPS Plan. Build. Manage.
kpff
DATE: 04/17/2023
REVIEWED BY: GREG SHIMIZU

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT
DATE: 04/17/2023

SCALE: 1"=20'
FILENAME: S317-F1592-CXP204
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 04/17/2023

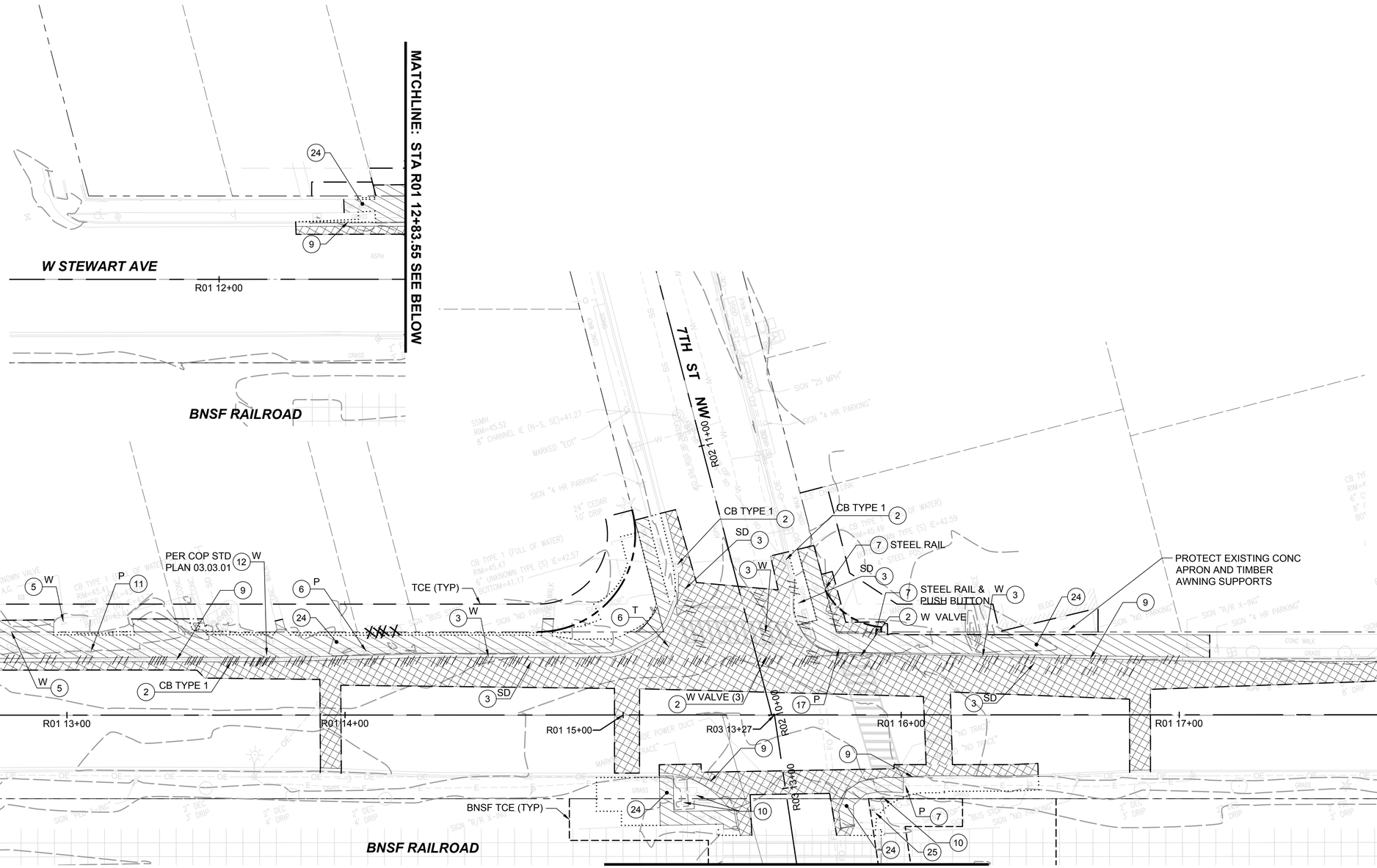
PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
CIVIL
DEMOLITION AND REMOVAL PLAN

DRAWING No.: F1592-CXP204
FACILITY ID: F1592
SHEET No.: 15
REV: 0

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MATCHLINE: STA P02 31+62.09 SEE DWG F1592-CXP203

Xrefs:
xS317-F1592-RPP10
xS317-F1592-VRX10
xS317-F1592-CXP10
xGB-TB22x34



GENERAL NOTES:

1. FOR HORIZONTAL CONTROL OF PAVEMENT, CURB AND SIDEWALK REMOVAL, SEE DRAWINGS F1592-CRP301 THROUGH F1592-CRP308.
2. FOR HORIZONTAL CONTROL OF UTILITY REMOVALS, SEE DRAWINGS F1592-UCP301 THROUGH F1592-UCP308.
3. FOR REMOVAL OF TRAFFIC SIGNAL EQUIPMENT AND SEQUENCING, SEE DRAWINGS F1592-TSP301 THROUGH F1592-TSP308.
4. FOR REMOVAL AND REPLACEMENT OF SIGNS, SEE DRAWINGS F1592-CMP301 THROUGH F1592-CMP308, F1592-CMS301, AND F1592-CMS302.
5. PROTECT ALL TREES NOT INDICATED FOR REMOVAL.
6. SIDEWALK AND CURB REMOVALS CAN BE ADJUSTED TO NEAREST EXISTING JOINT.
7. FOR LEGENDS AND SYMBOLS, SEE DRAWING F1592-CZN010.
8. REMOVAL OF ANY EXISTING PAVEMENT STRIPING OR THERMOPLASTIC SHALL BE BY HYDROBLASTING.

CONSTRUCTION NOTES:

(2) REMOVE UTILITY STRUCTURE
(3) REMOVE UTILITY PIPE
(5) ADJUST EXISTING UTILITY TO FINISH GRADE
(6) REMOVE/RELOCATE/ADJUST UTILITY (BY OTHERS)
(7) REMOVE STRUCTURE AND OBSTRUCTION
(9) REMOVE CURB AND GUTTER
(10) RELOCATE BNSF EQUIPMENT (BY OTHERS)
(11) PROTECT EXISTING UTILITY OR STRUCTURE
(12) RELOCATE EXISTING UTILITY STRUCTURE
( ) PSE TO REMOVE POWER POLE NIC
(24) REMOVE SIDEWALK
(25) REMOVE AND RESET MONUMENT

20 10 0 20 40
SCALE IN FEET

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	04/17/2023	BSP	JGM	JGM	FINAL AS-BUILT

DESIGNED BY: B. PILON
DRAWN BY: J. CURTIS
CHECKED BY: J. MATTHEWS
APPROVED BY: J. MATTHEWS

kpff
SUBMITTED BY: SARA ROBERTS

HENSEL PHELPS Plan. Build. Manage.
kpff
DATE: 04/17/2023
REVIEWED BY: GREG SHIMIZU

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT
DATE: 04/17/2023

SCALE: 1"=20'
FILENAME: S317-F1592-CXP301
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 04/17/2023

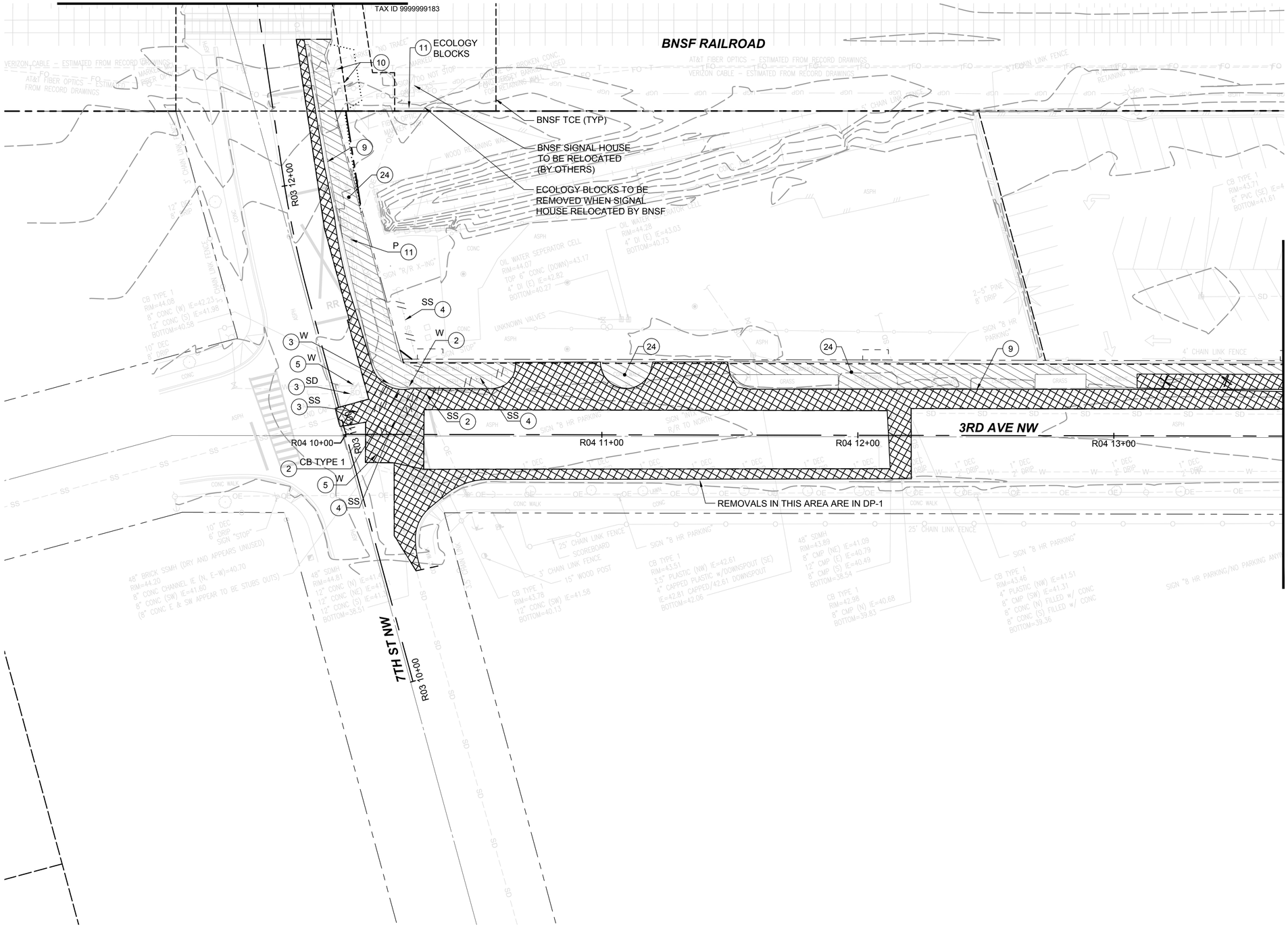
PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
CIVIL
DEMOLITION AND REMOVAL PLAN

DRAWING No.: F1592-CXP301
FACILITY ID: F1592
SHEET No.: 16
REV: 0

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Xrefs:
xS317-F1592-RPP10
xS317-F1592-VRX10
xS317-F1592-CXP10
xGB-TB22x34

MATCHLINE: STA R03 12+72.10 SEE DWG F1592-CXP301



MATCHLINE: STA R04 13+66.50 SEE DWG F1592-CXP303

GENERAL NOTES:

1. FOR HORIZONTAL CONTROL OF PAVEMENT, CURB AND SIDEWALK REMOVAL, SEE DRAWINGS F1592-CRP301 THROUGH F1592-CRP308.
2. FOR HORIZONTAL CONTROL OF UTILITY REMOVALS, SEE DRAWINGS F1592-UCP301 THROUGH F1592-UCP308.
3. FOR REMOVAL OF TRAFFIC SIGNAL EQUIPMENT AND SEQUENCING, SEE DRAWINGS F1592-TSP301 THROUGH F1592-TSP308.
4. FOR REMOVAL AND REPLACEMENT OF SIGNS, SEE DRAWINGS F1592-CMP301 THROUGH F1592-CMP308, F1592-CMS301, AND F1592-CMS302.
5. PROTECT ALL TREES NOT INDICATED FOR REMOVAL.
6. SIDEWALK AND CURB REMOVALS CAN BE ADJUSTED TO NEAREST EXISTING JOINT.
7. FOR LEGENDS AND SYMBOLS, SEE DRAWING F1592-CZN010.
8. REMOVAL OF ANY EXISTING PAVEMENT STRIPING OR THERMOPLASTIC SHALL BE BY HYDROBLASTING.

CONSTRUCTION NOTES:

(2) REMOVE UTILITY STRUCTURE AND/OR VALVE

(3) REMOVE UTILITY PIPE

(4) ABANDON UTILITY PIPE

(5) ADJUST EXISTING UTILITY TO FINISH GRADE

(9) REMOVE CURB AND GUTTER

(10) RELOCATE BNSF EQUIPMENT (BY BNSF)

(11) PROTECT EXISTING UTILITY OR STRUCTURE

( ) REMOVE SIDEWALK

20 10 0 20 40
SCALE IN FEET

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	04/17/2023	BSP	JGM	JGM	FINAL AS-BUILT

DESIGNED BY: B. PILON
DRAWN BY: J. CURTIS
CHECKED BY: J. MATTHEWS
APPROVED BY: J. MATTHEWS

kpff
SUBMITTED BY: SARA ROBERTS
DATE: 04/17/2023

HENSEL PHELPS Plan. Build. Manage.
kpff
REVIEWED BY: GREG SHIMIZU
DATE: 04/17/2023

LINE IS 1" AT FULL SCALE

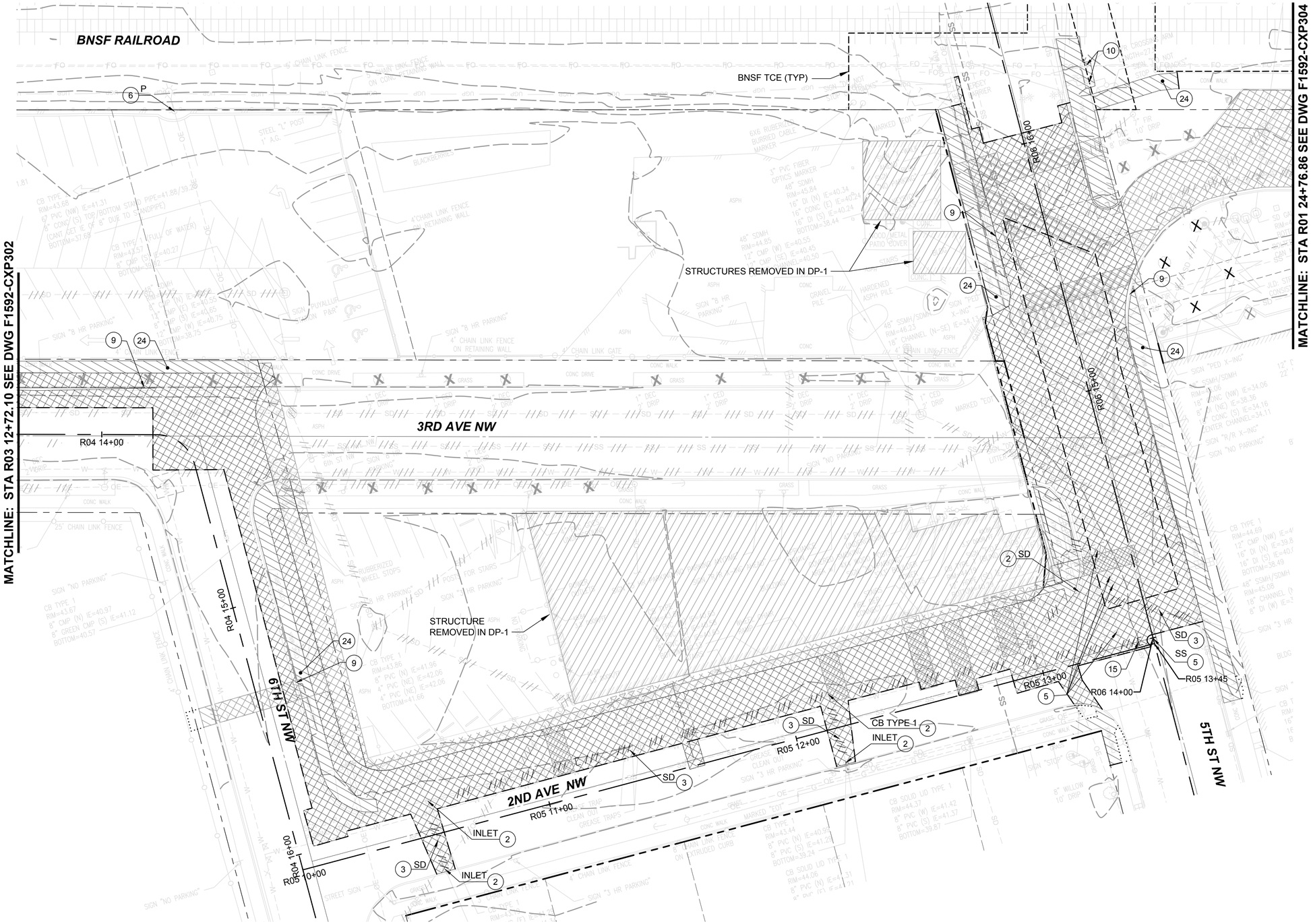
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CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 04/17/2023

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
CIVIL
DEMOLITION AND REMOVAL PLAN

DRAWING No.: F1592-CXP302
FACILITY ID: F1592
SHEET No.: 17
REV: 0

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Xrefs:
xS317-F1592-RPP10
xS317-F1592-VRX10
xS317-F1592-CXP10
xGB-TB22x34



GENERAL NOTES:

1. FOR HORIZONTAL CONTROL OF PAVEMENT, CURB AND SIDEWALK REMOVAL, SEE DRAWINGS F1592-CRP301 THROUGH F1592-CRP308.
2. FOR HORIZONTAL CONTROL OF UTILITY REMOVALS, SEE DRAWINGS F1592-UCP301 THROUGH F1592-UCP308.
3. FOR REMOVAL OF TRAFFIC SIGNAL EQUIPMENT AND SEQUENCING, SEE DRAWINGS F1592-TSP301 THROUGH F1592-TSP308.
4. FOR REMOVAL AND REPLACEMENT OF SIGNS, SEE DRAWINGS F1592-CMP301 THROUGH F1592-CMP308, F1592-CMS301, AND F1592-CMS302.
5. PROTECT ALL TREES NOT INDICATED FOR REMOVAL.
6. SIDEWALK AND CURB REMOVALS CAN BE ADJUSTED TO NEAREST EXISTING JOINT.
7. FOR LEGENDS AND SYMBOLS, SEE DRAWING F1592-CZN010.
8. REMOVAL OF ANY EXISTING PAVEMENT STRIPING OR THERMOPLASTIC SHALL BE BY HYDROBLASTING.

CONSTRUCTION NOTES:

(2) REMOVE UTILITY STRUCTURE AND/OR VALVE

(3) REMOVE UTILITY PIPE

(5) ADJUST EXISTING UTILITY TO FINISH GRADE

(9) REMOVE CURB AND GUTTER

(10) RELOCATE BNSF EQUIPMENT (BY BNSF)

(15) PLUG UTILITY PIPE

( ) REMOVE SIDEWALK

20 10 0 20 40
SCALE IN FEET

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	04/17/2023	BSP	JGM	JGM	FINAL AS-BUILT

DESIGNED BY: B. PILON
DRAWN BY: J. CURTIS
CHECKED BY: J. MATTHEWS
APPROVED BY: J. MATTHEWS

kpff

HENSEL PHELPS
Plan. Build. Manage.
kpff

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT

SCALE: 1"=20'
FILENAME: S317-F1592-CXP303
CONTRACT No.: RTA/CN 0612-18

SUBMITTED BY: SARA ROBERTS
DATE: 04/17/2023
REVIEWED BY: GREG SHIMIZU
DATE: 04/17/2023
SUBMITTAL DATE: 04/17/2023

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS

CIVIL
DEMOLITION AND REMOVAL PLAN

DRAWING No.: F1592-CXP303
FACILITY ID: F1592
SHEET No.: 18
REV: 0

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Xrefs:
xS317-F1592-RPP10
xS317-F1592-VRX10
xS317-F1592-CXP10
xGB-TB22x34

3RD ST NW

W STEWART AVE

R01 25+00 R01 26+00 R01 27+00 R01 28+00 R01 29+00

48" SDMH
RIM=46.00
12" CHANNEL (E-W) IE=35.65

6' CHAIN LINK FENCE W/ 3 STRAND BARBED WIRE

CB TYPE 1
RIM=46.67
8" DI (NW) IE=44.67
12" DI (SE) IE=44.67
BOTTOM=42.97

CB TYPE 1
RIM=46.87
8" DI (SE) IE=44.79
BOTTOM=43.37

SIGN "STOP"

SIGN "3 HR PARKING"

STUMP REMOVAL (TYP)

CB TYPE 1
RIM=46.89
12" DI (SW) IE=44.34
BOTTOM=42.59

CB TYPE 1
RIM=47.27
BOTTOM=43.

CB TYPE 2
RIM=49.08
12" DI (NE) IE=43.95
12" DI (SE) IE=43.78
BOTTOM=42.08

48" CB TYPE 2
RIM=49.30
12" DI (NW) IE
12" PVC (N)
BOTTOM=41.5

48" SDMH
RIM=49.02
8"" PVC w/ GATE & VERT
8" PVC OUT TOP (SW) IE GATE=43.32
TOP OF VERT 8"=46.97
16" PVC (NE) IE=43.22
12" PVC (SE) IE=43.21
BOTTOM=41.12

BNSF RAILROAD

MATCHLINE: STA R01 29+76.86 SEE DWG F1592-CXP305

SIGN "PUYALLUP SOUNDER TRAIN BAY"

SIGN "BUS BAY 4"

SIGN "DO NOT ENTER"

SIGN "TRAIN BAY 6 DECORATIVE ARCH SIGN "BUS BAY SOUNDER"

SIGN "EMERGENCY VEHICLES ONLY" (TYP)

SIGN "DO NOT ENTER"

CB TYPE 1
RIM=48.07
8" PVC (NW) IE=43.37
12" PVC (NE) IE=43.37
12" PVC (SW) IE=43.37
BOTTOM=42.

CB TYPE 1
RIM=48.27
8" PVC (SE) IE=44.47
BOTTOM=43.12

CB TYPE 1
RIM=48.83
12" PVC (NW) IE=43.03
6" PVC (SE) IE=42.98
6" PVC (SW) IE=43.03
BOTTOM=42.5

CB TYPE 1
RIM=48.58
12" UNK (NW) IE=42.48
12" PVC (SE) IE=42.43
BOTTOM=41.08

CB TYPE 1
RIM=46.02
12" DI (NE) IE=43.82
4" DI (SE) IE=44.22
BOTTOM=42.12

10"X10" AREA DRAIN
RIM=45.69
4" DI (NW) IE=45.24
BOTTOM=45.19

UNKNOWN MH (MILKY WHITE LIQUID IN PIPE)
RIM=48.75
8" VERT PIPE TOP=42.35

UNKNOWN MH (MILKY WHITE LIQUID IN PIPE)
RIM=48.78
VERT PIPE TOP=42.16

9" WIDE WOOD BORDER

ELEC BOX

BLDG

CONC WALK

4" CHAIN LINK FENCE

CHAIN LINK FENCE

MARKED "EOT"

ASPH

CONC

GENERAL NOTES:

1. FOR HORIZONTAL CONTROL OF PAVEMENT, CURB AND SIDEWALK REMOVAL, SEE DRAWINGS F1592-CRP301 THROUGH F1592-CRP308.
2. FOR HORIZONTAL CONTROL OF UTILITY REMOVALS, SEE DRAWINGS F1592-UCP301 THROUGH F1592-UCP308.
3. FOR REMOVAL OF TRAFFIC SIGNAL EQUIPMENT AND SEQUENCING, SEE DRAWINGS F1592-TSP301 THROUGH F1592-TSP308.
4. FOR REMOVAL AND REPLACEMENT OF SIGNS, SEE DRAWINGS F1592-CMP301 THROUGH F1592-CMP308, F1592-CMS301, AND F1592-CMS302.
5. PROTECT ALL TREES NOT INDICATED FOR REMOVAL.
6. SIDEWALK AND CURB REMOVALS CAN BE ADJUSTED TO NEAREST EXISTING JOINT.
7. FOR LEGENDS AND SYMBOLS, SEE DRAWING F1592-CZN010.
8. REMOVAL OF ANY EXISTING PAVEMENT STRIPING OR THERMOPLASTIC SHALL BE BY HYDROBLASTING.

CONSTRUCTION NOTES:

(9) REMOVE CURB AND GUTTER

(11) PROTECT EXISTING UTILITY OR STRUCTURE

(23) REMOVE CURB

(24) REMOVE SIDEWALK

20 10 0 20 40
SCALE IN FEET

05/04/23 | 3:19 PM | JONC
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FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	04/17/2023	BSP	JGM	JGM	FINAL AS-BUILT

DESIGNED BY: B. PILON
DRAWN BY: J. CURTIS
CHECKED BY: J. MATTHEWS
APPROVED BY: J. MATTHEWS

kpff

HENSEL PHELPS
Plan. Build. Manage.
kpff

SUBMITTED BY: SARA ROBERTS
DATE: 04/17/2023
REVIEWED BY: GREG SHIMIZU
DATE: 04/17/2023

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT

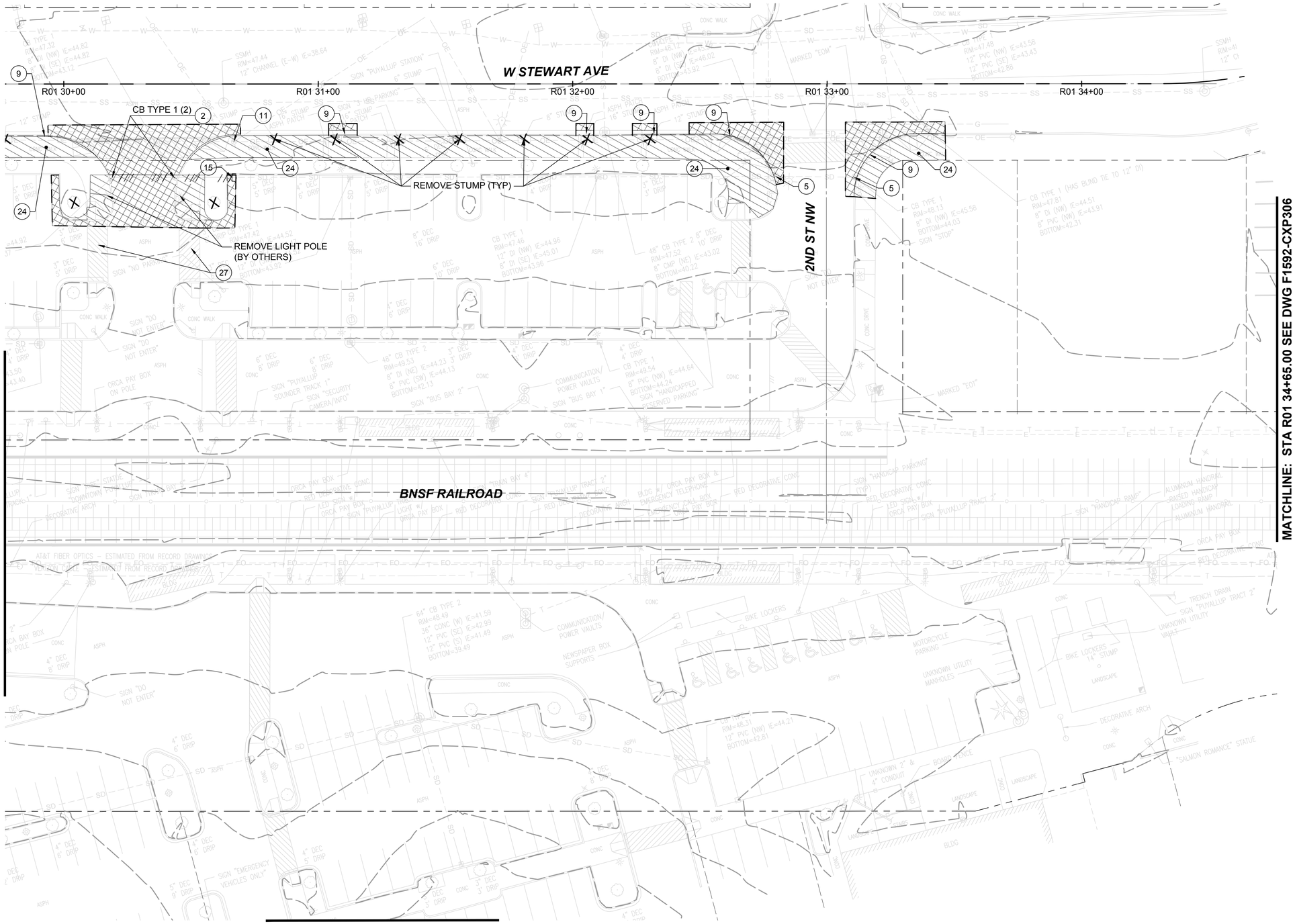
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FILENAME: S317-F1592-CXP304
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 04/17/2023

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
CIVIL
DEMOLITION AND REMOVAL PLAN

DRAWING No.: F1592-CXP304
FACILITY ID: F1592
SHEET No.: 19
REV: 0

MATCHLINE: STA R01 24+76.86 SEE DWG F1592-CXP303

Xrefs:
xS317-F1592-RPP10
xS317-F1592-VRX10
xS317-F1592-CXP10
xGB-TB22x34



GENERAL NOTES:

1. FOR HORIZONTAL CONTROL OF PAVEMENT, CURB AND SIDEWALK REMOVAL, SEE DRAWINGS F1592-CRP301 THROUGH F1592-CRP308.
2. FOR HORIZONTAL CONTROL OF UTILITY REMOVALS, SEE DRAWINGS F1592-UCP301 THROUGH F1592-UCP308.
3. FOR REMOVAL OF TRAFFIC SIGNAL EQUIPMENT AND SEQUENCING, SEE DRAWINGS F1592-TSP301 THROUGH F1592-TSP308.
4. FOR REMOVAL AND REPLACEMENT OF SIGNS, SEE DRAWINGS F1592-CMP301 THROUGH F1592-CMP308, F1592-CMS301, AND F1592-CMS302.
5. PROTECT ALL TREES NOT INDICATED FOR REMOVAL.
6. SIDEWALK AND CURB REMOVALS CAN BE ADJUSTED TO NEAREST EXISTING JOINT.
7. FOR LEGENDS AND SYMBOLS, SEE DRAWING F1592-CZN010.
8. REMOVAL OF ANY EXISTING PAVEMENT STRIPING OR THERMOPLASTIC SHALL BE BY HYDROBLASTING.

CONSTRUCTION NOTES:

(2) REMOVE UTILITY STRUCTURE AND/OR VALVE

(3) REMOVE UTILITY PIPE

(5) ADJUST EXISTING UTILITY TO FINISH GRADE

(9) REMOVE CURB AND GUTTER

(11) PROTECT EXISTING UTILITY OR STRUCTURE

( ) PLUG UTILITY PIPE

(24) REMOVE SIDEWALK

(27) REMOVE STRIPING

20 10 0 20 40
SCALE IN FEET

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	04/17/2023	BSP	JGM	JGM	FINAL AS-BUILT

DESIGNED BY: B. PILON
DRAWN BY: J. CURTIS
CHECKED BY: J. MATTHEWS
APPROVED BY: J. MATTHEWS

kpff
SUBMITTED BY: SARA ROBERTS
DATE: 04/17/2023

HENSEL PHELPS Plan. Build. Manage.
kpff
REVIEWED BY: GREG SHIMIZU
DATE: 04/17/2023

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT

SCALE: 1"=20'
FILENAME: S317-F1592-CXP305
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 04/17/2023

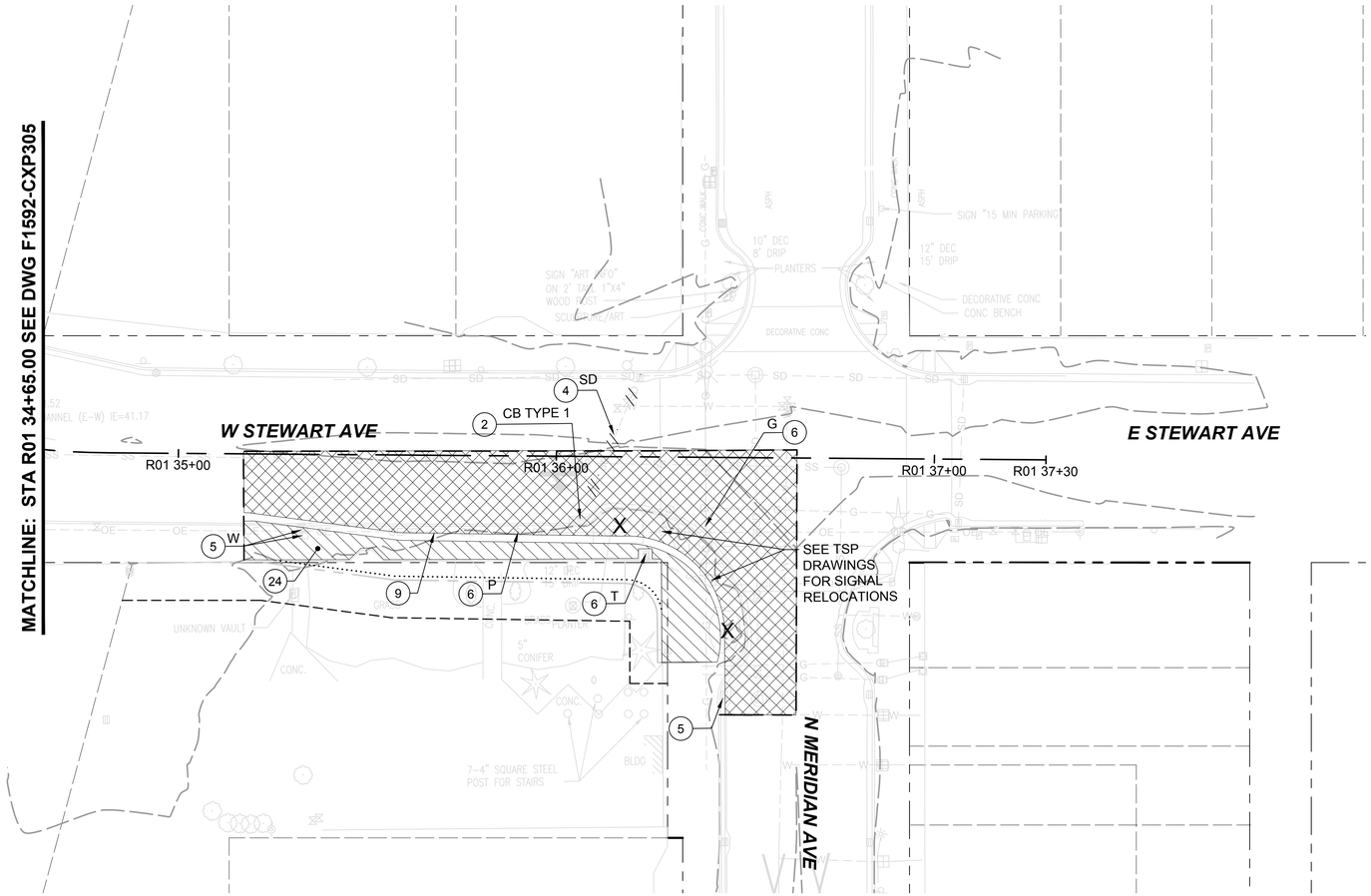
PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
CIVIL
DEMOLITION AND REMOVAL PLAN

DRAWING No.: F1592-CXP305
FACILITY ID: F1592
SHEET No.: 20
REV: 0

05/04/23 | 3:19 PM | JONC
Z:\1900001-1900999\1900096 ST PUYALLUP DB GARAGE\CADD\DESIGN\S317-F1592-CXP305.DWG

Xrefs:
xS317-F1592-RPP101
xS317-F1592-VRX101
xS317-F1592-CXP101
xGB-TB22x34

MATCHLINE: STA R01 34+65.00 SEE DWG F1592-CXP305



GENERAL NOTES:

1. FOR HORIZONTAL CONTROL OF PAVEMENT, CURB AND SIDEWALK REMOVAL, SEE DRAWINGS F1592-CRP301 THROUGH F1592-CRP308.
2. FOR HORIZONTAL CONTROL OF UTILITY REMOVALS, SEE DRAWINGS F1592-UCP301 THROUGH F1592-UCP308.
3. FOR REMOVAL OF TRAFFIC SIGNAL EQUIPMENT AND SEQUENCING, SEE DRAWINGS F1592-TSP301 THROUGH F1592-TSP308.
4. FOR REMOVAL AND REPLACEMENT OF SIGNS, SEE DRAWINGS F1592-CMP301 THROUGH F1592-CMP308, F1592-CMS301, AND F1592-CMS302.
5. PROTECT ALL TREES NOT INDICATED FOR REMOVAL.
6. SIDEWALK AND CURB REMOVALS CAN BE ADJUSTED TO NEAREST EXISTING JOINT.
7. FOR LEGENDS AND SYMBOLS, SEE DRAWING F1592-CZN010.
8. REMOVAL OF ANY EXISTING PAVEMENT STRIPING OR THERMOPLASTIC SHALL BE BY HYDROBLASTING.

CONSTRUCTION NOTES:

(2) REMOVE UTILITY STRUCTURE AND/OR VALVE

(4) ABANDON UTILITY PIPE

(5) ADJUST EXISTING UTILITY TO FINISH GRADE

(6) REMOVE/RELOCATE/ADJUST UTILITY (BY OTHERS)

(9) REMOVE CURB AND GUTTER

( ) REMOVE SIDEWALK

20 10 0 20 40
SCALE IN FEET

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	04/17/2023	BSP	JGM	JGM	FINAL AS-BUILT

DESIGNED BY: B. PILON
DRAWN BY: J. CURTIS
CHECKED BY: J. MATTHEWS
APPROVED BY: J. MATTHEWS

kpff
SUBMITTED BY: SARA ROBERTS
DATE: 04/17/2023

HENSEL PHELPS Plan. Build. Manage.
kpff
REVIEWED BY: GREG SHIMIZU
DATE: 04/17/2023

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT
SUBMITTAL DATE: 04/17/2023

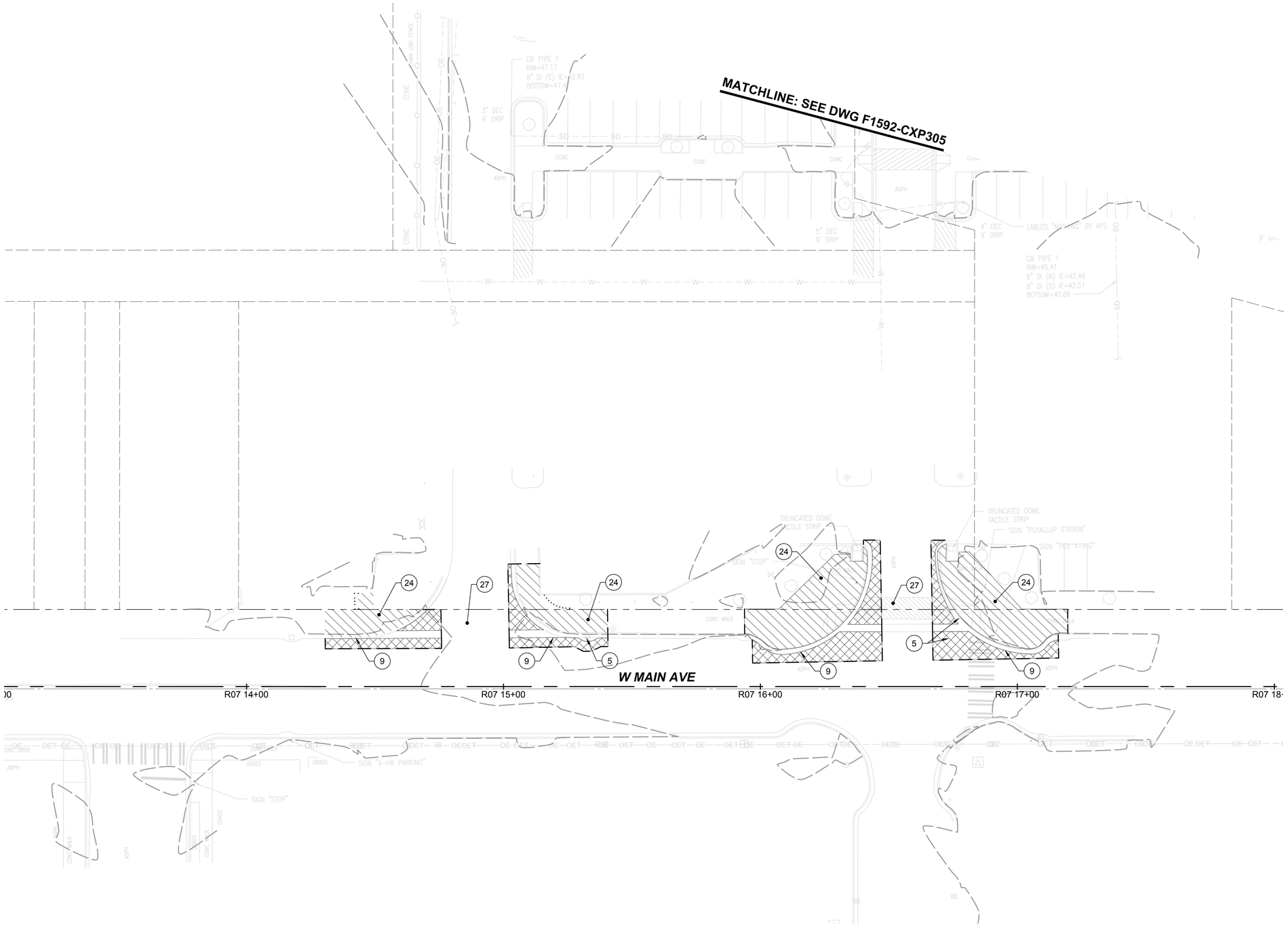
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CONTRACT No.: RTA/CN 0612-18

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
CIVIL
DEMOLITION AND REMOVAL PLAN

DRAWING No.: F1592-CXP306
FACILITY ID: F1592
SHEET No.: 21
REV: 0

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Xrefs:
xGB-TB22x34
xS317-F1592-RPP10
xS317-F1592-VRX10
xS317-F1592-CXP10



GENERAL NOTES:

1. FOR HORIZONTAL CONTROL OF PAVEMENT, CURB AND SIDEWALK REMOVAL, SEE DRAWINGS F1592-CRP301 THROUGH F1592-CRP308.
2. FOR HORIZONTAL CONTROL OF UTILITY REMOVALS, SEE DRAWINGS F1592-UCP301 THROUGH F1592-UCP308.
3. FOR REMOVAL OF TRAFFIC SIGNAL EQUIPMENT AND SEQUENCING, SEE DRAWINGS F1592-TSP301 THROUGH F1592-TSP308.
4. FOR REMOVAL AND REPLACEMENT OF SIGNS, SEE DRAWINGS F1592-CMP301 THROUGH F1592-CMP308, F1592-CMS301, AND F1592-CMS302.
5. PROTECT ALL TREES NOT INDICATED FOR REMOVAL.
6. SIDEWALK AND CURB REMOVALS CAN BE ADJUSTED TO NEAREST EXISTING JOINT.
7. FOR LEGENDS AND SYMBOLS, SEE DRAWING F1592-CZN010.
8. REMOVAL OF ANY EXISTING PAVEMENT STRIPING OR THERMOPLASTIC SHALL BE BY HYDROBLASTING.

CONSTRUCTION NOTES:

(5) ADJUST EXISTING UTILITY TO FINISH GRADE

(9) REMOVE CURB AND GUTTER

(24) REMOVE SIDEWALK

(27) REMOVE STRIPING

20 10 0 20 40
SCALE IN FEET

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	04/17/2023	BSP	JGM	JGM	FINAL AS-BUILT

DESIGNED BY: B. PILON
DRAWN BY: J. CURTIS
CHECKED BY: J. MATTHEWS
APPROVED BY: J. MATTHEWS

kpff
SUBMITTED BY: SARA ROBERTS
DATE: 04/17/2023

HENSEL PHELPS Plan. Build. Manage.
kpff
REVIEWED BY: GREG SHIMIZU
DATE: 04/17/2023

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT
SUBMITTAL DATE: 04/17/2023

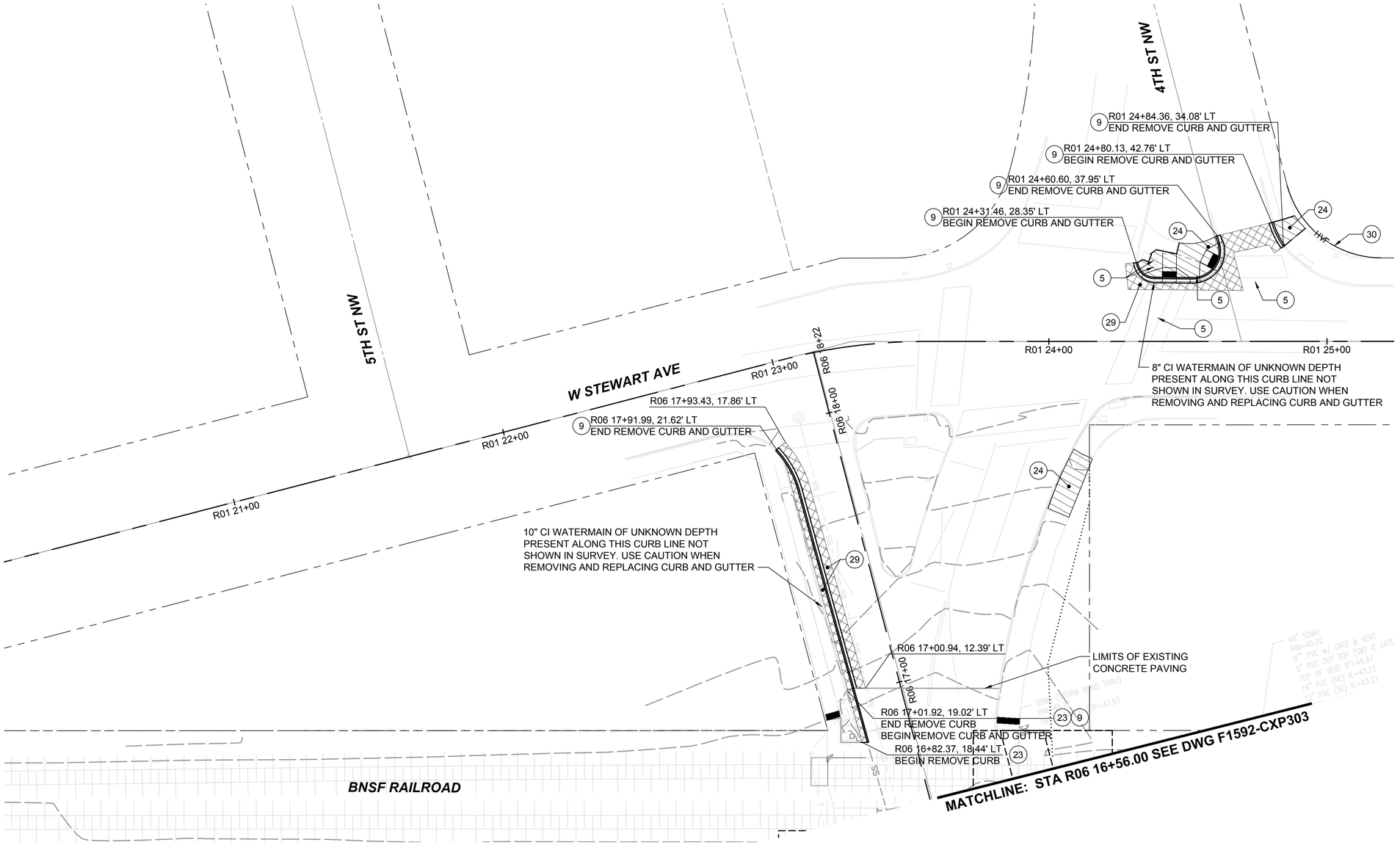
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CONTRACT No.: RTA/CN 0612-18

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
CIVIL
DEMOLITION AND REMOVAL PLAN

DRAWING No.: F1592-CXP307
FACILITY ID: F1592
SHEET No.: 22
REV: 0

05/04/23 | 3:19 PM | JONC
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Xrefs:
xS317-F1592-RPP10
xS317-F1592-VRX10
xS317-F1592-CXP10
xGB-TB22x34
xS317-F1592-VRX-4
xS317-F1592-CSP10



GENERAL NOTES:

1. FOR HORIZONTAL CONTROL OF PAVEMENT, CURB AND SIDEWALK REMOVAL, SEE DRAWINGS F1592-CRP301 THROUGH F1592-CRP308.
2. FOR HORIZONTAL CONTROL OF UTILITY REMOVALS, SEE DRAWINGS F1592-UCP301 THROUGH F1592-UCP308.
3. FOR REMOVAL OF TRAFFIC SIGNAL EQUIPMENT AND SEQUENCING, SEE DRAWINGS F1592-TSP301 THROUGH F1592-TSP308.
4. FOR REMOVAL AND REPLACEMENT OF SIGNS, SEE DRAWINGS F1592-CMP301 THROUGH F1592-CMP308, F1592-CMS301, AND F1592-CMS302.
5. PROTECT ALL TREES NOT INDICATED FOR REMOVAL.
6. SIDEWALK AND CURB REMOVALS SHALL BE TO THE NEAREST EXPANSION JOINT.
7. FOR LEGENDS AND SYMBOLS, SEE DRAWING F1592-CZN010.
8. REMOVAL OF ANY EXISTING PAVEMENT STRIPING OR THERMOPLASTIC SHALL BE BY HYDROBLASTING.

CONSTRUCTION NOTES:

(5) ADJUST IF COVERS/LIDS ARE WITHIN NEW PAVEMENT AREAS

(9) REMOVE CURB AND GUTTER

( ) REMOVE CURB AND APPROX 18" OF ROADWAY CONC PAVEMENT BY SAWCUTTING ROADWAY CONC PAVEMENT 6" BEHIND PROPOSED BACK OF INTEGRAL CURB

(24) REMOVE SIDEWALK

(29) REMOVE HMA PAVEMENT

(30) TREE PROTECTION ALONG BACK OF SIDEWALK, 6' TALL HIGH VISIBILITY FENCE. INSTALLATION DETAILS PER DP-1 PACKAGE DRAWING F1592-CXD001. PERMIT E-20-0517.

20 10 0 20 40
SCALE IN FEET

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	04/17/2023	BSP	JGM	JGM	FINAL AS-BUILT

DESIGNED BY: B. PILON
DRAWN BY: J. CURTIS
CHECKED BY: J. MATTHEWS
APPROVED BY: J. MATTHEWS

kpff
HENSEL PHELPS Plan. Build. Manage.
kpff
LINE IS 1" AT FULL SCALE
SOUNDTRANSIT

SUBMITTED BY: SARA ROBERTS
DATE: 04/17/2023
REVIEWED BY: GREG SHIMIZU
DATE: 04/17/2023

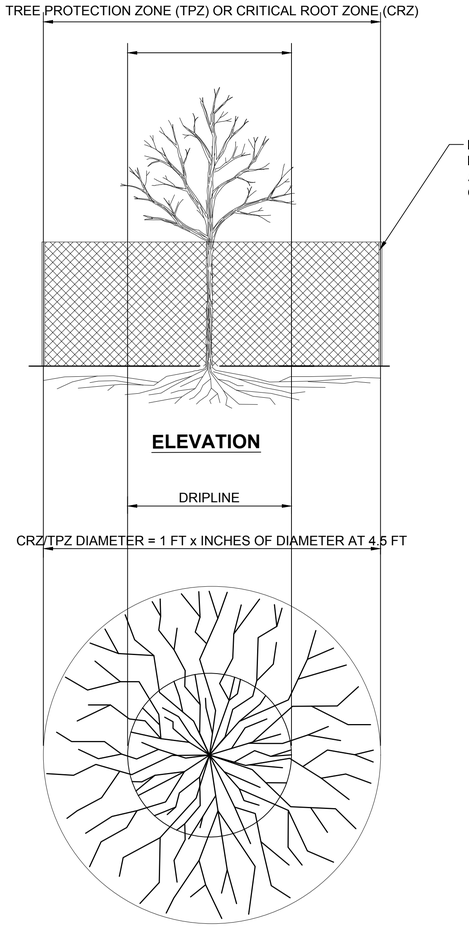
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FILENAME: S317-F1592-CXP309
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 04/17/2023

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
CIVIL
DEMOLITION AND REMOVAL PLAN

DRAWING No.: F1592-CXP309
FACILITY ID: F1592
SHEET No.: 23
REV: 0

05/04/23 | 3:20 PM | JONC
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Xrefs:
xGB-TB22x34



NOTES:

1. MIN 6 FOOT HIGH TEMPORARY HIGH VISIBILITY ORANGE CONSTRUCTION FENCING SHALL BE PLACED AT THE CRITICAL ROOT ZONE USING POSTS DRIVEN INTO THE GROUND, PIER BLOCKS SHALL NOT BE USED. AVOID POSTS DRIVEN INTO ROOTS LARGER THAN 1" DIAMETER. FENCING SHALL BE INSTALLED PRIOR TO WORK COMMENCING ON SITE AND REMAIN IN PLACE THROUGHOUT ALL PHASES OF CONSTRUCTION. CALL THE CITY'S PLANNING DIVISION WITH REQUESTS TO MODIFY THE LOCATION OF THE TREE PROTECTION FENCING -253-864-4165.

2. TREATMENT OF ROOTS EXPOSED DURING CONSTRUCTION: FOR ROOTS OVER ONE (1) INCH DIAMETER DAMAGED DURING CONSTRUCTION, MAKE A CLEAN STRAIGHT CUT TO REMOVE DAMAGED PORTION OF ROOT. ALL EXPOSED ROOTS SHALL BE TEMPORARILY COVERED WITH BURLAP TO PREVENT DRYING AND COVERED WITH SOIL AS SOON AS POSSIBLE.

3. NO STOCKPILING OF MATERIALS, VEHICLE TRAFFIC, PLACEMENT OF TOP SOIL OR FILL MATERIAL, STORAGE OF EQUIPMENT OR MACHINERY SHALL BE ALLOWED WITHIN THE LMIITS OF THE ESTABLISHED FENCING. FENCING CHALL NOT BE MOVED OR REMOVED UNLESS APPROVED BY THE CITY PLANNING DIVISION. WORK WITHIN PROTECTION FENCING SHALL BE DONE MANUALLY UNDER THE SUPERVISION OF THE ON-SITE ARBORIST WITH PRIOR WRITTEN APPROVAL BY THE CITY PLANNING DIVISION.

4. THE TREE PROTECTION FENCING SHALL BE FURNISHED WITH THE FOLLOWING SIGN, SIGNS SHOULD BE EVERY 15' ALONG THE FENCING AND SHALL REMAIN IN PLACE THROUGHOUT CONSTRUCTION:

TREE PROTECTION ZONE (TPZ)
NO ENTRY. NO GRADE CHANGES, STORAGE/STOCKPILING OF MATERIALS OR EQUIPMENT, PLACEMENT OF FILL OR TOPSOIL, TRENCHING OR VEHICULAR/FOOT TRAFFIC PERMITTED WITHIN THE TPZ. THIS TREE BARRIER SHALL NOT BE REMOVED WITHOUT AUTHORIZATION FROM PUYALLUP PLANNING DEPARTMENT -SUBJECT TO FINES AND ENFORCEMENT ACTION BY THE CITY. TO REPORT VIOLATIONS OR FOR MORE INFORMATION - CALL 253-864-4165.

TREE PROTECTION DETAIL

SCALE: NTS

1
F1592-CXP102

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	04/17/2023	SGR	JGM	JGM	FINAL AS-BUILT

DESIGNED BY: S. GUJULUVA RAJAN
DRAWN BY: M. VU
CHECKED BY: S. KIRBY
APPROVED BY: J. MATTHEWS

kpff
SUBMITTED BY: SARA ROBERTS
DATE: 04/17/2023

HENSEL PHELPS
Plan. Build. Manage.
kpff
REVIEWED BY: GREG SHIMIZU
DATE: 04/17/2023

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT

SCALE: AS NOTED
FILENAME: S317-F1592-CXD001
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 04/17/2023

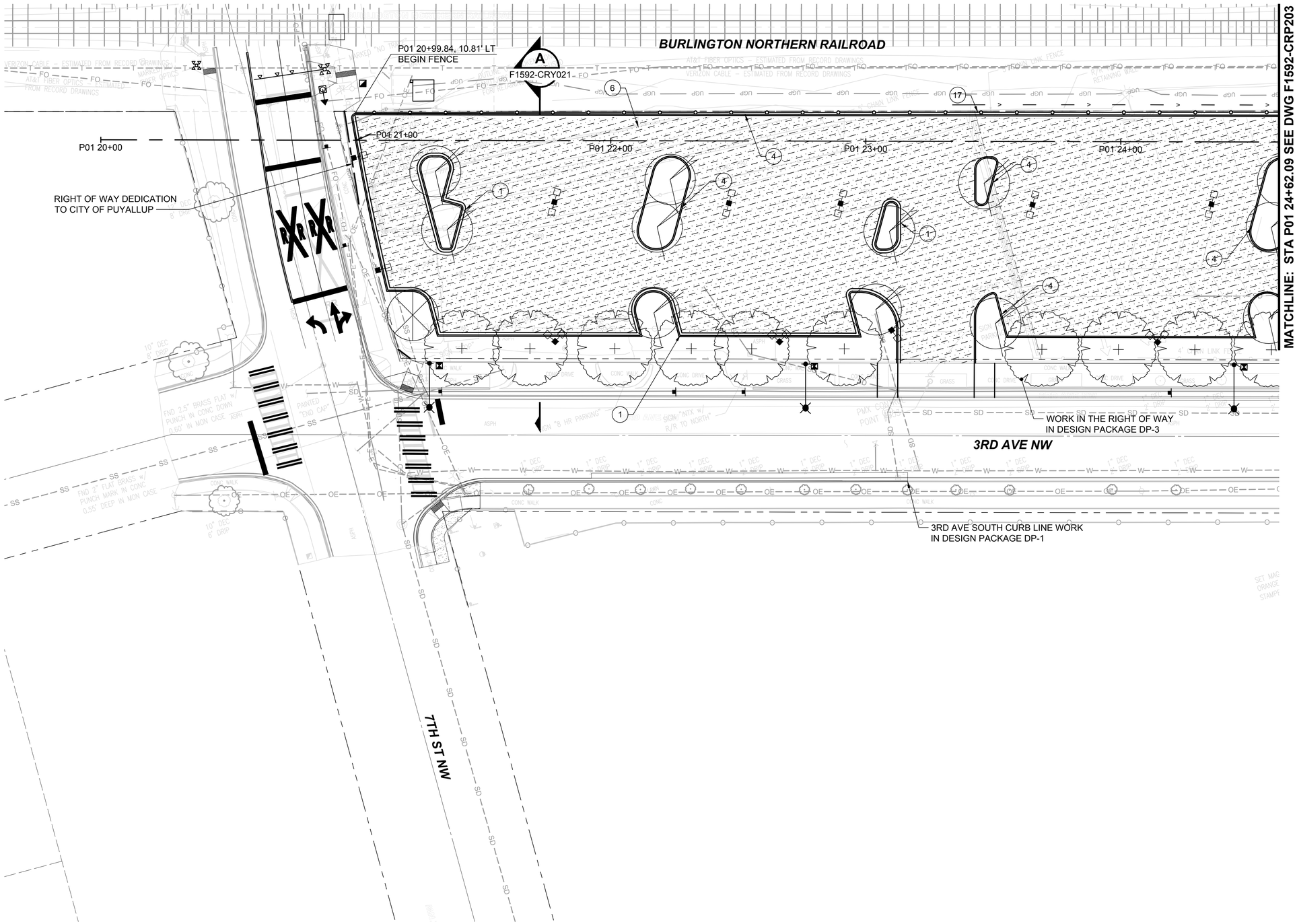
PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
CIVIL
DEMOLITION DETAILS

DRAWING No.: F1592-CXD001
FACILITY ID: F1592
SHEET No.: 24
REV: 0

05/04/23 | 3:16 PM | JONC
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DRIPLINE

Xrefs:
xS317-F1592-RPP10
xS317-F1592-CSP10
xS317-F1592-CPP10
xGB-TB22x34
xS317-F1592-CLP10
xS317-F1592-ELP10
xS317-F1592-VRX10
xS317-F1592-TSP10
xS317-F1592-LPP10
xS317-F1592-CMP10



GENERAL NOTES:

1. FOR GENERAL NOTES, SEE DRAWING F1592-CZN001
2. FOR SYMBOLS AND LEGENDS, SEE DRAWING F1592-CZN010
3. SEE F1592-CGP202 THRU F1592-CGP204 FOR HORIZONTAL AND VERTICAL CONTROL OF CURBS
4. SEE F1592-LRP102 THRU F1592-LRP104 FOR IRRIGATION PIPE SLEEVES UNDER PAVING.
5. SEE F1592-LHP102 THRU F1502-LHP104 FOR SIDEWALK FINISHES AND SPECIALTY PAVING.

CONSTRUCTION NOTES:

(1) CONST CURB AND GUTTER, SEE COP STD PLAN 01.02.09

(4) CONST CEMENT CONCRETE TRAFFIC CURB, SEE WSDOT STD PLAN F-10.12

(6) CONST PARKING LOT PVMT, SEE DWG F1592-CRY021

(17) CONST CHAIN LINK FENCE TYPE-3, SEE WSDOT STD PLAN L-20.10-03

N

20 10 0 20 40
SCALE IN FEET

09/01/23 | 8:51 AM | JONC
Z:\1900001-190099991900096 ST PUYALLUP DB GARAGE\CADD\DESIGN\S317-F1592-CRP202.DWG

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
	04/17/2023	SGR	JGM	JGM	FINAL AS-BUILT

DESIGNED BY: S. GUJULUVA RAJAN
DRAWN BY: T. CURTICE
CHECKED BY: J. MATTHEWS
APPROVED BY: J. MATTHEWS

kpff
SUBMITTED BY: SARA ROBERTS
DATE: 04/17/2023

HENSEL PHELPS
Plan. Build. Manage.
kpff
REVIEWED BY: GREG SHIMIZU
DATE: 04/17/2023

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT
SUBMITTAL DATE: 04/17/2023

SCALE: 1"=20'
FILENAME: S317-F1592-CRP202
CONTRACT No.: RTA/CN 0612-18

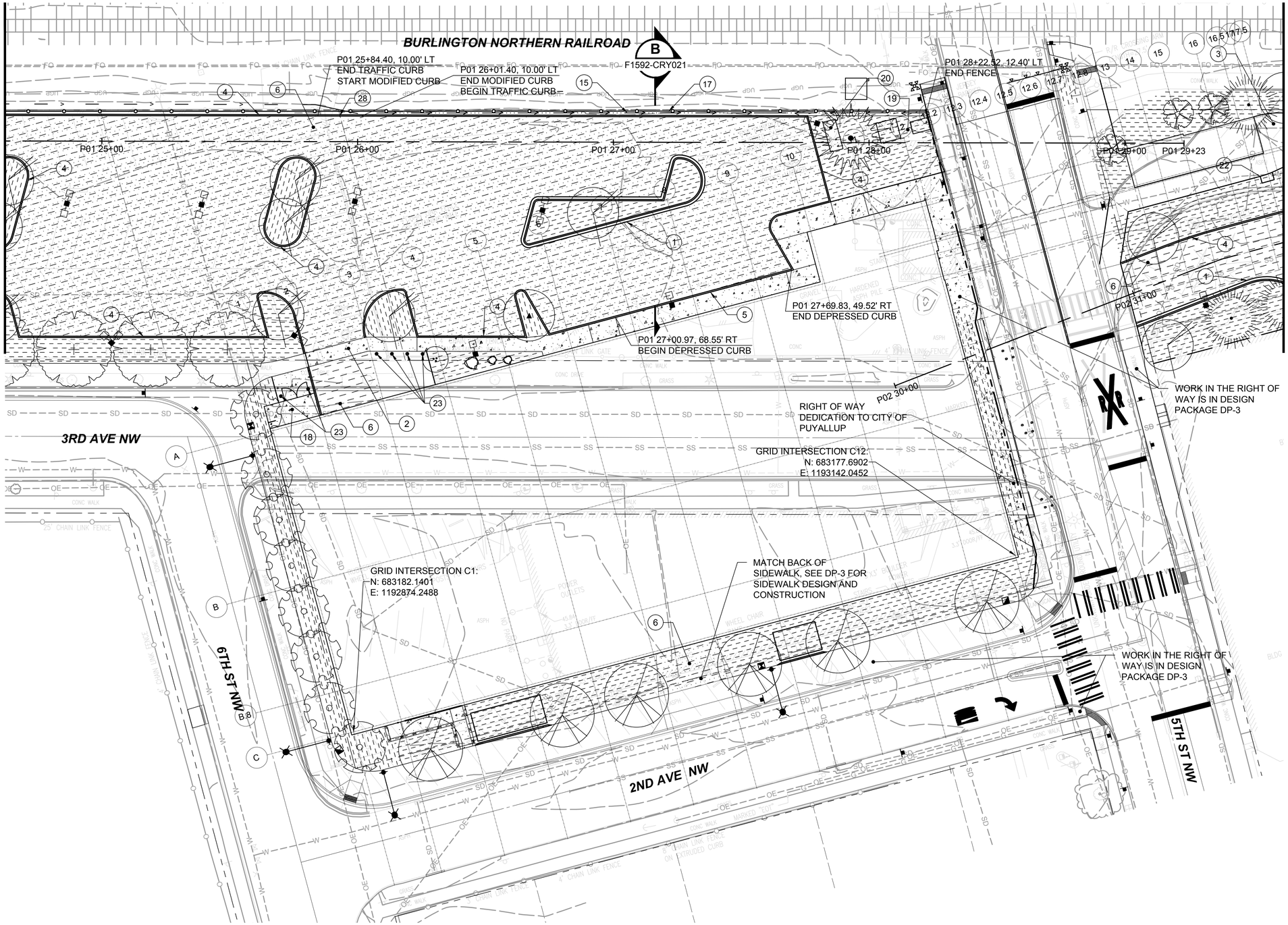
PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
CIVIL
SITE PLAN

DRAWING No.: F1592-CRP202
FACILITY ID: F1592
SHEET No.: 25
REV: 0

Xrefs:
xS317-F1592-RPP10
xS317-F1592-VRX10
xS317-F1592-CSP10
xS317-F1592-CPP10
xGB-TB22x34
xS317-F1592-SGP01
xS317-F1592-CLP10
xS317-F1592-ELP10
xS317-F1592-LRP10
xS317-F1592-LPP10
xS317-F1592-CMP10

MATCHLINE: STA P01 24+62.09 SEE DWG F1592-CRP202

MATCHLINE: STA P02 31+62.09 SEE DWG F1592-CRP204



GENERAL NOTES:

1. FOR GENERAL NOTES, SEE DRAWING F1592-CZN001.
2. FOR SYMBOLS AND LEGENDS, SEE DRAWING F1592-CZN010.
3. SEE F1592-CGP202 THRU F1592-CGP204 FOR HORIZONTAL AND VERTICAL CONTROL OF CURBS.
4. SEE F1592-LRP102 THRU F1592-LRP104 FOR THE IRRIGATION PIPE SLEEVES UNDER PAVING.
5. SEE F1592-LHP102 THRU F1502-LHP104 FOR SIDEWALK FINISHES AND SPECIALTY PAVING.

CONSTRUCTION NOTES:

(1) CONST CURB AND GUTTER, SEE COP STD PLAN 01.02.09

(2) CONST SIDEWALK, SEE COP STD PLAN 01.02.01

(3) CONST DECORATIVE CONCRETE, SEE DRAWING F1592-LHD101

(4) CONST CEMENT CONCRETE TRAFFIC CURB, SEE WSDOT STD PLAN F-10.12

( ) CONST DEPRESSED CURB ALONG ADA PARKING, SEE WSDOT STD PLAN F-10.12.

(6) CONST PARKING LOT PVMT, SEE DWG F1592-CRY021

(15) CONST FRENCH DRAIN, SEE DWG F1592-CRY021

(17) CONST CHAIN LINK FENCE TYPE-3, SEE WSDOT STD PLAN L-20.10-03

(18) CONST TRASH ENCLOSURE PAD, SEE STRUCTURAL PLANS

(19) CONST TRANSFORMER PAD (8.0'x8.0'), 6" SIDEWALK CONCRETE

(20) CONST GENERATOR PAD (12.0'x5.0'), 6" SIDEWALK CONCRETE

(22) CONST TRASH RECEPTACLE PAD (5.0'x3.0'), 6" SIDEWALK CONCRETE

(23) CONST BOLLARD, SEE WSDOT STD PLAN H-60.20-01

(28) CONST MODIFIED CURB, SEE DETAIL 4 ON DRAWING F1592-CPD024

20 10 0 20 40
SCALE IN FEET

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	04/17/2023	SGR	JGM	JGM	FINAL AS-BUILT

DESIGNED BY: S. GUJULUVA RAJAN
DRAWN BY: T. CURTICE
CHECKED BY: J. MATTHEWS
APPROVED BY: J. MATTHEWS

kpff
SUBMITTED BY: SARA ROBERTS
DATE: 04/17/2023

HENSEL PHELPS Plan. Build. Manage.
kpff
REVIEWED BY: GREG SHIMIZU
DATE: 04/17/2023

LINE IS 1" AT FULL SCALE

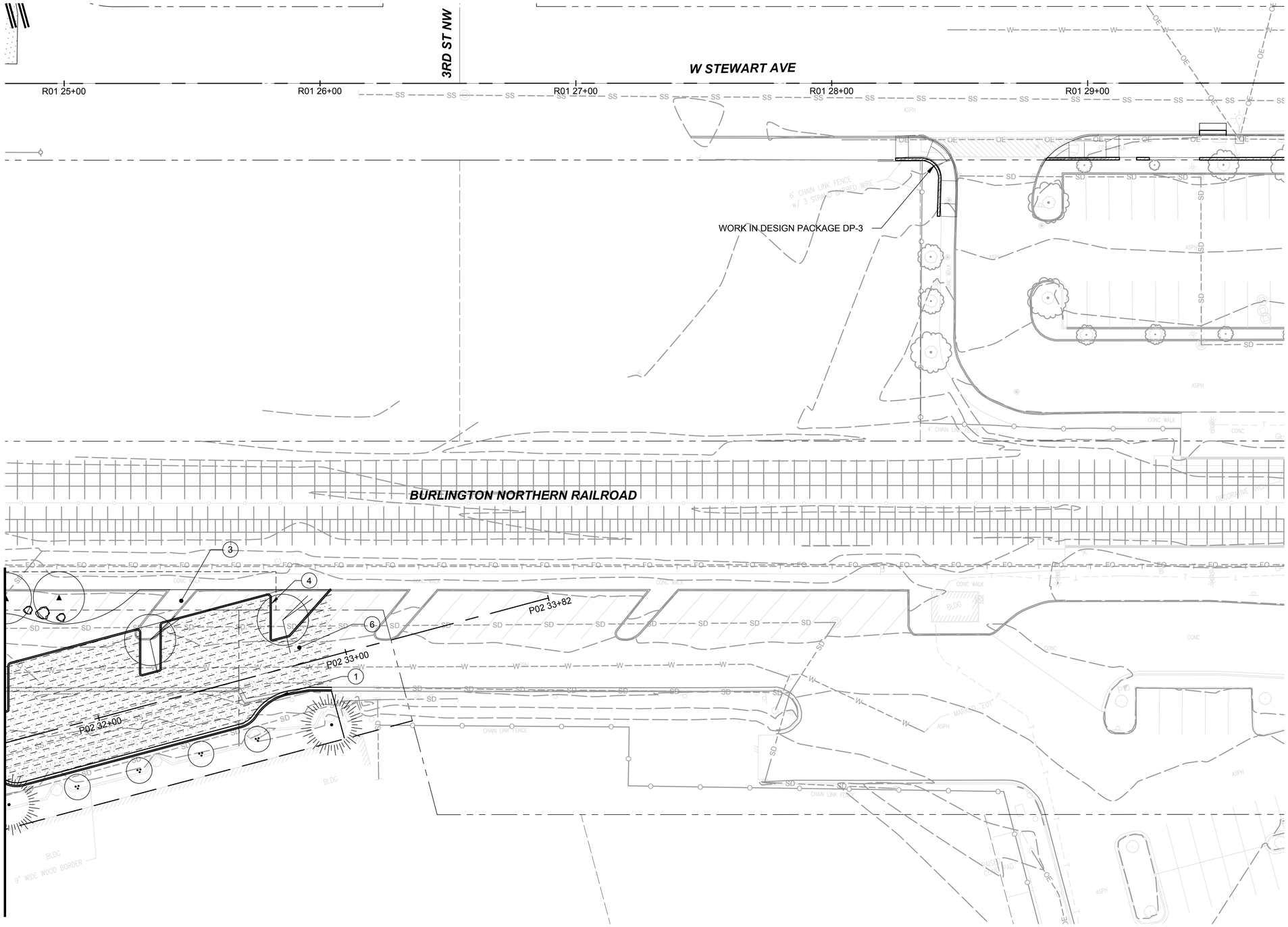
SOUNDTRANSIT
SCALE: 1"=20'
FILENAME: S317-F1592-CRP203
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 04/17/2023

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
CIVIL
SITE PLAN

DRAWING No.: F1592-CRP203
FACILITY ID: F1592
SHEET No.: 26
REV: 0

05/04/23 | 3:12 PM | JONC
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Xrefs:
xS317-F1592-RPP10
xS317-F1592-VRX10
xS317-F1592-CSP10
xS317-F1592-CPP10
xGB-TB22x34
xS317-F1592-TSP10
xS317-F1592-LPP10
xS317-F1592-CMP10



GENERAL NOTES:

1. FOR GENERAL NOTES, SEE DRAWING F1592-CZN001.
2. FOR SYMBOLS AND LEGENDS, SEE DRAWING F1592-CZN010.
3. SEE F1592-CGP202 THRU F1592-CGP204 FOR HORIZONTAL AND VERTICAL CONTROL OF CURBS.
4. SEE F1592-LRP102 THRU F1592-LRP104 FOR THE IRRIGATION PIPE SLEEVES UNDER PAVING.
5. SEE F1592-LHP102 THRU F1502-LHP104 FOR SIDEWALK FINISHES AND SPECIALTY PAVING.

CONSTRUCTION NOTES:

(1) CONST CURB AND GUTTER, SEE COP STD PLAN 01.02.09

(3) CONST DECORATIVE CONCRETE SEE DRAWING F1592-LHD101

(4) CONST CEMENT CONCRETE TRAFFIC CURB, SEE WSDOT STD PLAN F-10.12

(6) CONST PARKING LOT PAVEMENT, SEE DWG F1592-CRY021

20 10 0 20 40
SCALE IN FEET

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
	04/17/2023	SGR	JGM	JGM	FINAL AS-BUILT

DESIGNED BY: S. GUJULUVA RAJAN
DRAWN BY: T. CURTICE
CHECKED BY: J. MATTHEWS
APPROVED BY: J. MATTHEWS

kpff

HENSEL PHELPS
Plan. Build. Manage.
kpff

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT

SUBMITTED BY:	DATE:	REVIEWED BY:	DATE:
SARA ROBERTS	04/17/2023	GREG SHIMIZU	04/17/2023

SCALE: 1"=20'
FILENAME: S317-F1592-CRP204
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 04/17/2023

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS

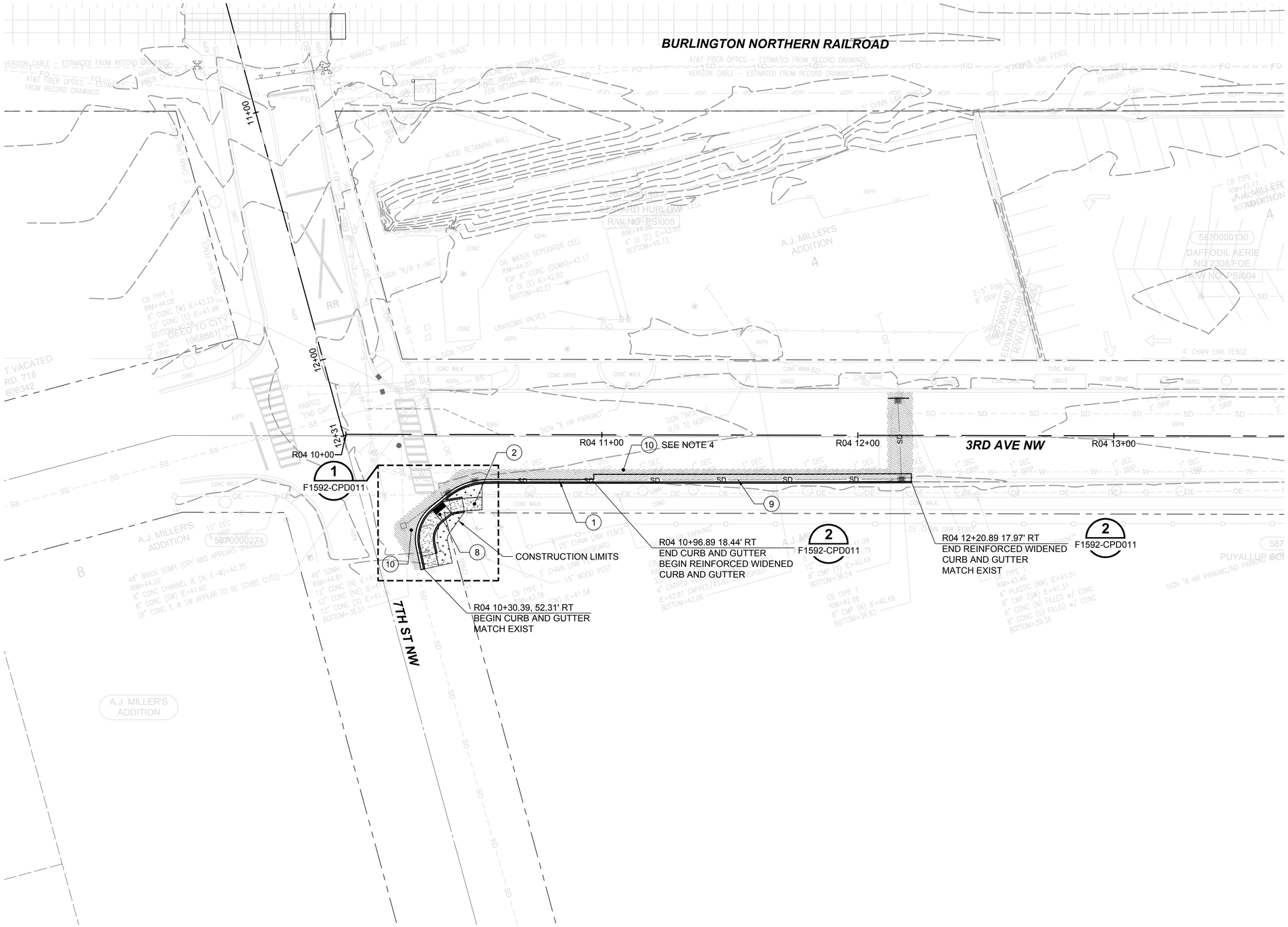
CIVIL
SITE PLAN

DRAWING No.: F1592-CRP204
FACILITY ID: F1592
SHEET No.: 27
REV: 0

05/04/23 | 3:12 PM | JONC
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0

Xrefs:
xS317-F1592-RPP10
xS317-F1592-VRX10
xS317-F1592-CSP10
xS317-F1592-CDP10
xS317-F1592-CPP10
xGB-TB22x34



NOTES:

1. FOR GENERAL NOTES, SEE DRAWING F1592-CZN001.
2. FOR SYMBOLS, SEE DRAWING F1592-CZN010.
3. SEE F1592-CGP102 FOR GRADING AND DRAINAGE CONSTRUCTION.
4. OVERLAYS ARE DEFERRED UNTIL FINAL RESTORATION OF PROJECT.

CONSTRUCTION NOTES:

(1) CONST CURB AND GUTTER, SEE COP STD PLAN 01.02.09

(2) CONST SIDEWALK, SEE COP STD PLAN 01.02.01

(8) CONST CURB RAMP TYPE-B, SEE COP STD PLAN 01.03.04

(9) WIDENED REINFORCED PROTECTION GUTTER, SEE F1592-CPD011

(10) CONST FULL DEPTH PVMT PATCH PER 01.01.20, EXCEPT WITHOUT OVERLAY

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
	04/17/2023	SGR	JGM	JGM	FINAL AS-BUILT

DESIGNED BY: S. GUJULUVA RAJAN
DRAWN BY: M. VU
CHECKED BY: J. MATTHEWS
APPROVED BY: J. MATTHEWS

kpff | HENSEL PHELPS Plan. Build. Manage. kpff | SOUNDTRANSIT

SUBMITTED BY: SARA ROBERTS | DATE: 04/17/2023 | REVIEWED BY: GREG SHIMIZU | DATE: 04/17/2023

LINE IS 1" AT FULL SCALE

SCALE: 1"=20'
FILENAME: S317-F1592-CRP102
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 04/17/2023

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
CIVIL
ROADWAY PLAN

DRAWING No.: F1592-CRP102
FACILITY ID: F1592
SHEET No.: 28
REV: 0

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xS317-F1592-CDP100
xS317-F1592-CPP100
xS317-F1592-CMP100
xGB-TB22x34
xS317-F1592-CLP100
xS317-F1592-TSP100

CURVE DATA						
PI STATION	NORTHING	EASTING	DELTA	RADIUS	TANGENT	LENGTH
R01 18+40.84	683579.39	1192717.96	14°32'53"	409.0'	52.21'	103.85'
R01 23+04.20	683555.54	1193179.77	14°32'56"	200.0'	25.5'	50.78'
R01 34+30.15	683253.77	1194263.99	14°43'36"	200.0'	25.84'	51.41'
R03 11+54.46	683486.74	1192423.30	6°43'18"	449.0'	26.37'	52.67'
R04 14+21.38	683316.12	1192827.67	74°56'53"	15.50'	11.88'	20.28'

GENERAL NOTES:

1. AT BACK OF PROPOSED SIDEWALK, MATCH EXISTING AND CONNECT TO EXISTING PRIVATE WALKWAYS.
2. CURB RETURN DETAILS AND GRADING ARE REFERENCED ON F1592-CGP301 THROUGH F1592-CPD038, AND F1592-CPD131 THROUGH F1592-CPD138.
3. HMA SIDEWALK TRANSITIONS ARE REFERENCED ON F1592-CPD137 AND F1592-CPD138.
4. ADA RAMP HANDRAIL LIMITS ARE SHOWN ON F1592-CPD032.

CONSTRUCTION NOTES:

(1) CONST CURB AND GUTTER, SEE COP STD PLAN 01.02.09 & 01.02.10

(3) CONST SIDEWALK, SEE COP STD PLAN 01.02.01

(4) CONST CURB RAMP TYPE-A, SIMILAR TO COP STD PLAN 01.03.03

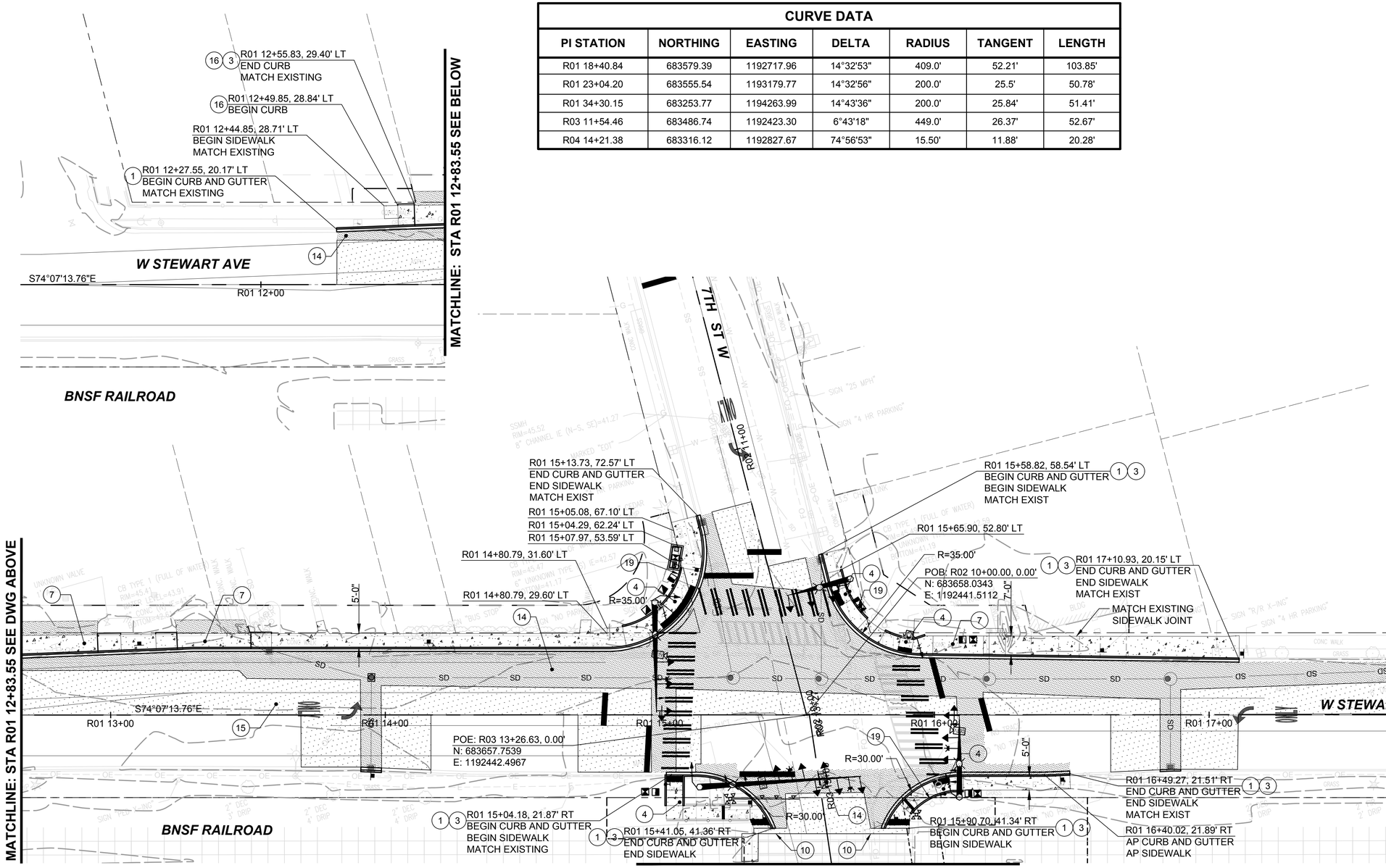
(7) CONST DRIVEWAY APPROACH ALT-2, SEE COP STD PLAN 01.02.18

(10) CONST HMA SIDEWALK TRANSITION

(14) CONST FULL DEPTH PVMT, SEE COP STD PLAN 01.01.06

(15) CONST 2" HMA PLANE & OVERLAY, SEE COP STD PLAN 01.01.20

( ) CONST CEMENT CONCRETE PEDESTRIAN CURB, SEE WSDOT STD PLAN F-10.12



20 10 0 20 40
SCALE IN FEET

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	04/17/2023	BSP	JGM	JGM	FINAL AS-BUILT

DESIGNED BY: B. PILON
DRAWN BY: J. CURTIS
CHECKED BY: J. MATTHEWS
APPROVED BY: J. MATTHEWS

kpff
SUBMITTED BY: SARA ROBERTS

HENSEL PHELPS Plan. Build. Manage.
kpff
DATE: 04/17/2023
REVIEWED BY: GREG SHIMIZU

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT
DATE: 04/17/2023

SCALE: 1"=20'
FILENAME: S317-F1592-CRP301
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 04/17/2023

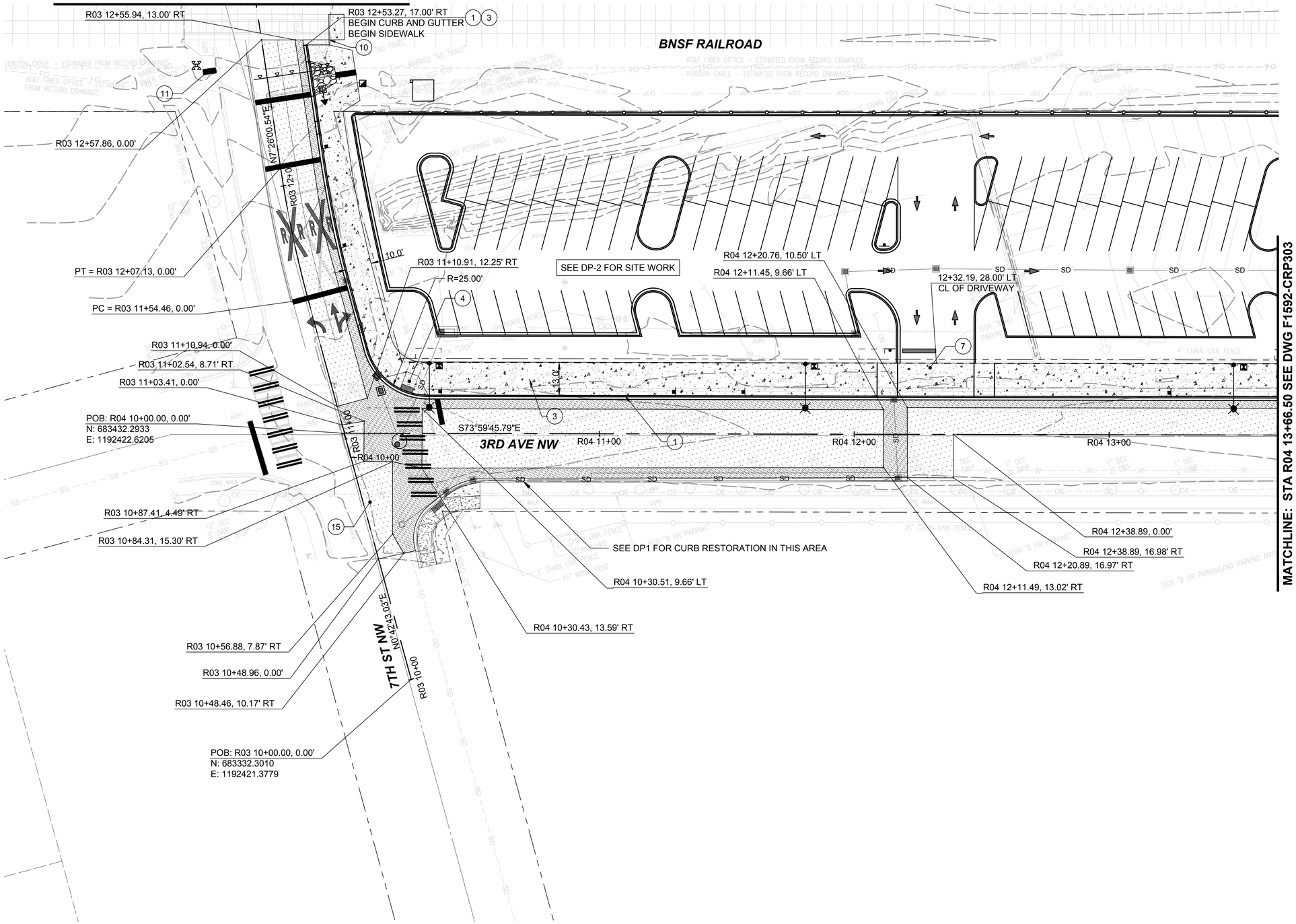
PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
CIVIL
ROADWAY PLAN

DRAWING No.: F1592-CRP301
FACILITY ID: F1592
SHEET No.: 29
REV: 0

05/04/23 | 3:13 PM | JONC
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Xrefs:
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xS317-F1592-VRX10
xS317-F1592-CSP10
xS317-F1592-CDP10
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xS317-F1592-CMP10
xGB-TB22x34
xS317-F1592-CLP10
xS317-F1592-TSP10
xS317-F1592-LPP10

MATCHLINE: STA R03 12+72.10 SEE DWG F1592-CRP301



MATCHLINE: STA R04 13+66.50 SEE DWG F1592-CRP303

GENERAL NOTES:

1. AT BACK OF PROPOSED SIDEWALK, MATCH EXISTING AND CONNECT TO EXISTING PRIVATE WALKWAYS.
2. CURB RETURN DETAILS AND GRADING ARE REFERENCED ON F1592-CGP301 THROUGH F1592-CPD038, AND F1592-CPD131 THROUGH F1592-CPD138.
3. HMA SIDEWALK TRANSITIONS ARE REFERENCED ON F1592-CPD137 AND F1592-CPD138.

CONSTRUCTION NOTES:

(1) CONST CURB AND GUTTER, SEE COP STD PLAN 01.02.09 & 01.02.10

(3) CONST SIDEWALK, SEE COP STD PLAN 01.02.01

(4) CONST CURB RAMP TYPE-A, SIMILAR TO COP STD PLAN 01.03.03

(7) CONST DRIVEWAY APPROACH ALT-2, SEE COP STD PLAN 01.02.18

( ) CONST HMA SIDEWALK TRANSITION

(11) CONST DETECTABLE WARNING RETROFIT, SEE SPECIAL PROVISION

(14) CONST FULL DEPTH PVMT, SEE COP STD PLAN 01.01.06

(15) CONST 2" HMA PLANE & OVERLAY, SEE COP STD PLAN 01.01.20

N

20 10 0 20 40

SCALE IN FEET

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	04/17/2023	BSP	JGM	JGM	FINAL AS-BUILT

DESIGNED BY: B. PILON
DRAWN BY: J. CURTIS
CHECKED BY: J. MATTHEWS
APPROVED BY: J. MATTHEWS

kpff — SUBMITTED BY: SARA ROBERTS — DATE: 04/17/2023

HENSEL PHELPS Plan. Build. Manage. kpff — REVIEWED BY: GREG SHIMIZU — DATE: 04/17/2023

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT — SUBMITTAL DATE: 04/17/2023

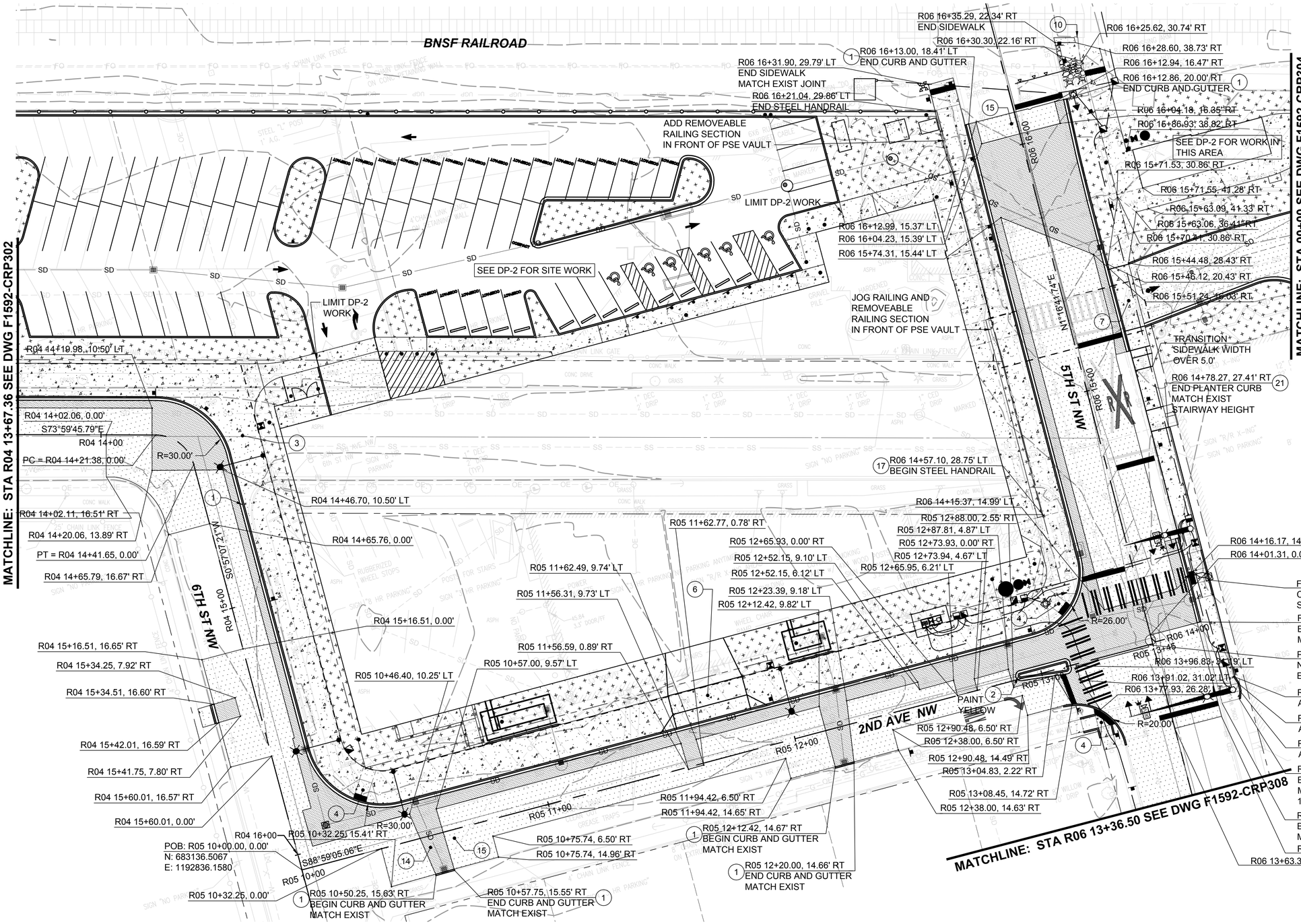
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FILENAME: S317-F1592-CRP302
CONTRACT No.: RTA/CN 0612-18

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
CIVIL
ROADWAY PLAN

DRAWING No.: F1592-CRP302
FACILITY ID: F1592
SHEET No.: 30
REV: 0

09/01/23 | 8:52 AM | JONC
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Xrefs:
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xS317-F1592-VRX10
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xS317-F1592-CDP10
xS317-F1592-CPP10
xS317-F1592-CMP10
xGB-TB22x34
xS317-F1592-LPP10
xS317-F1592-CLP10
xS317-F1592-TSP10
xS317-F1592-UCP10



GENERAL NOTES:

1. AT BACK OF PROPOSED SIDEWALK, MATCH EXISTING AND CONNECT TO EXISTING PRIVATE WALKWAYS.
2. CURB RETURN DETAILS AND GRADING ARE REFERENCED ON F1592-CGP301 THROUGH F1592-CPD038, AND F1592-CPD131 THROUGH F1592-CPD138.
3. HMA SIDEWALK TRANSITIONS ARE REFERENCED ON F1592-CPD137 AND F1592-CPD138.

CONSTRUCTION NOTES:

(1) CONST CURB AND GUTTER, SEE COP STD PLAN 01.02.09 & 01.02.10

(2) CONST MOUNTABLE CURB, SEE WSDOT STD PLAN F-10.12-04

(3) CONST SIDEWALK, SEE COP STD PLAN 01.02.01

(4) CONST CURB RAMP TYPE-A, SIMILAR TO COP STD PLAN 01.03.03

(6) CONST DRIVEWAY APPROACH ALT-1, SEE COP STD PLAN 01.02.17

(7) CONST DRIVEWAY APPROACH ALT-2, SEE COP STD PLAN 01.02.18

(10) CONST HMA SIDEWALK TRANSITION

(14) CONST FULL DEPTH PVMT, SEE COP STD PLAN 01.01.06

(15) CONST 2" HMA PLANE & OVERLAY, SEE COP STD PLAN 01.01.20

( ) CONST STEEL HANDRAIL, SEE F1592-CPD139, DETAIL 1

(21) CONST PLANTER CURB, SEE F1592-CRY031, TYP SECTION E

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	04/17/2023	BSP	JGM	JGM	FINAL AS-BUILT

DESIGNED BY: B. PILON
DRAWN BY: J. CURTIS
CHECKED BY: J. MATTHEWS
APPROVED BY: J. MATTHEWS

kpff
SUBMITTED BY: SARA ROBERTS

HENSEL PHELPS Plan. Build. Manage.
kpff
DATE: 04/17/2023

REVIEWED BY: GREG SHIMIZU

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT
DATE: 04/17/2023

SCALE: 1"=20'
FILENAME: S317-F1592-CRP303
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 04/17/2023

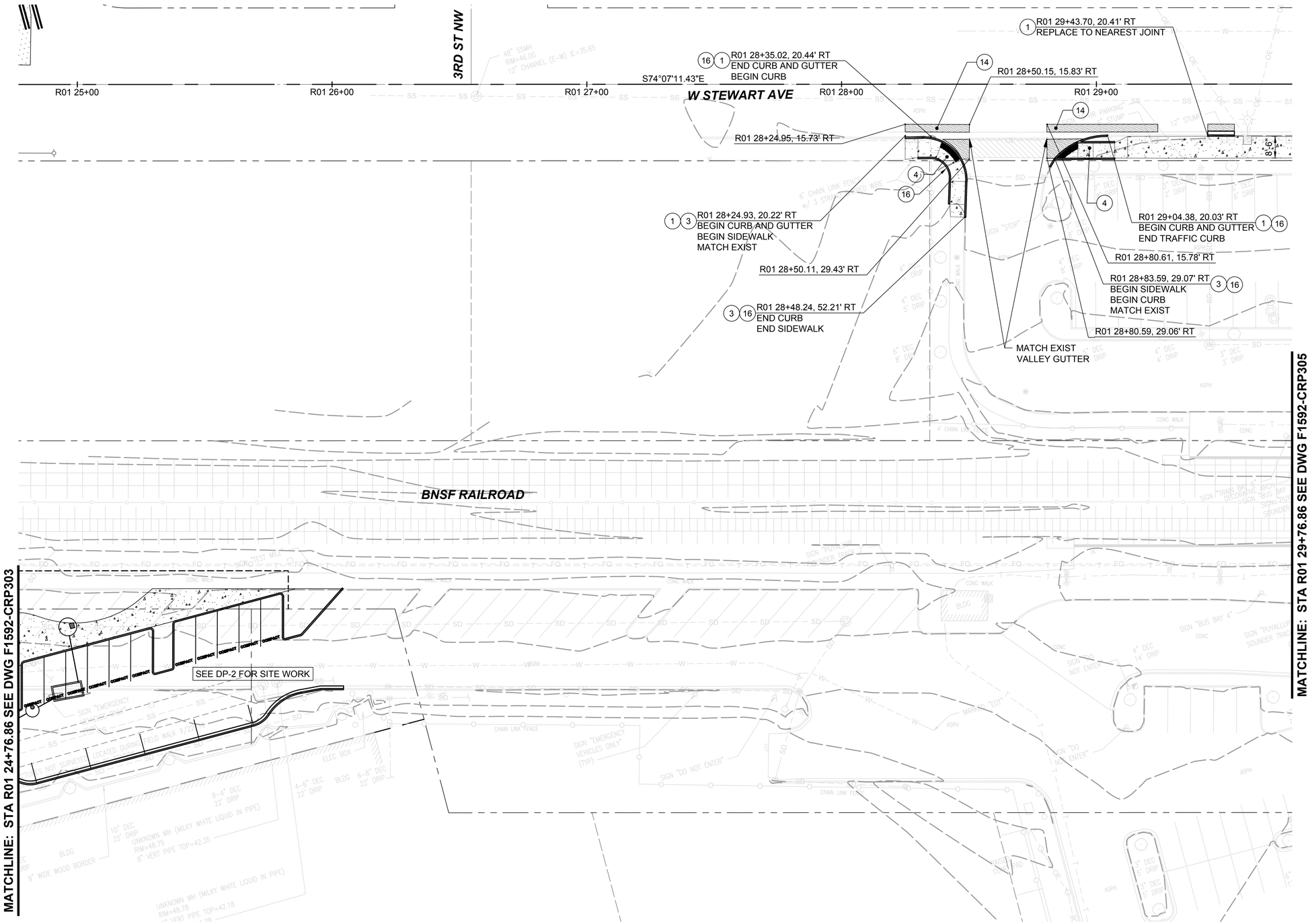
PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS

CIVIL
ROADWAY PLAN

DRAWING No.: F1592-CRP303
FACILITY ID: F1592
SHEET No.: 31
REV: 0

05/04/23 | 3:13 PM | JONC
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xS317-F1592-CPP10
xS317-F1592-CMP10
xGB-TB22x34
xS317-F1592-CLP10
xS317-F1592-TSP10



GENERAL NOTES:

1. CURB RETURN DETAILS AND GRADING ARE REFERENCED ON F1592-CGP301 THROUGH F1592-CPD038, AND F1592-CPD131 THROUGH F1592-CPD138.
2. LIMITS OF SIDEWALK AND CURB REPLACEMENT SHOULD BE ADJUSTED TO NEAREST JOINT.

CONSTRUCTION NOTES:

(1) CONST CURB AND GUTTER, SEE COP STD PLAN 01.02.09 & 01.02.10

(3) CONST SIDEWALK, SEE COP STD PLAN 01.02.01

(4) CONST CURB RAMP TYPE-A, SIMILAR TO COP STD PLAN 01.03.03

(14) CONST FULL DEPTH PVMT, SEE COP STD PLAN 01.01.06

◯ CONST CEMENT CONCRETE TRAFFIC CURB, SEE WSDOT STD PLAN F-10.12.

20 10 0 20 40
SCALE IN FEET

05/04/23 | 3:14 PM | JONC
Z:\1900001-1900999\1900096 ST PUYALLUP DB GARAGE\CADD\DESIGN\S317-F1592-CRP304.DWG

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	04/17/2023	BSP	JGM	JGM	FINAL AS-BUILT

DESIGNED BY: B. PILON
DRAWN BY: J. CURTIS
CHECKED BY: J. MATTHEWS
APPROVED BY: J. MATTHEWS

kpff
HENSEL PHELPS Plan. Build. Manage.
kpff
SoundTransit

SUBMITTED BY: SARA ROBERTS
DATE: 04/17/2023
REVIEWED BY: GREG SHIMIZU
DATE: 04/17/2023

LINE IS 1" AT FULL SCALE

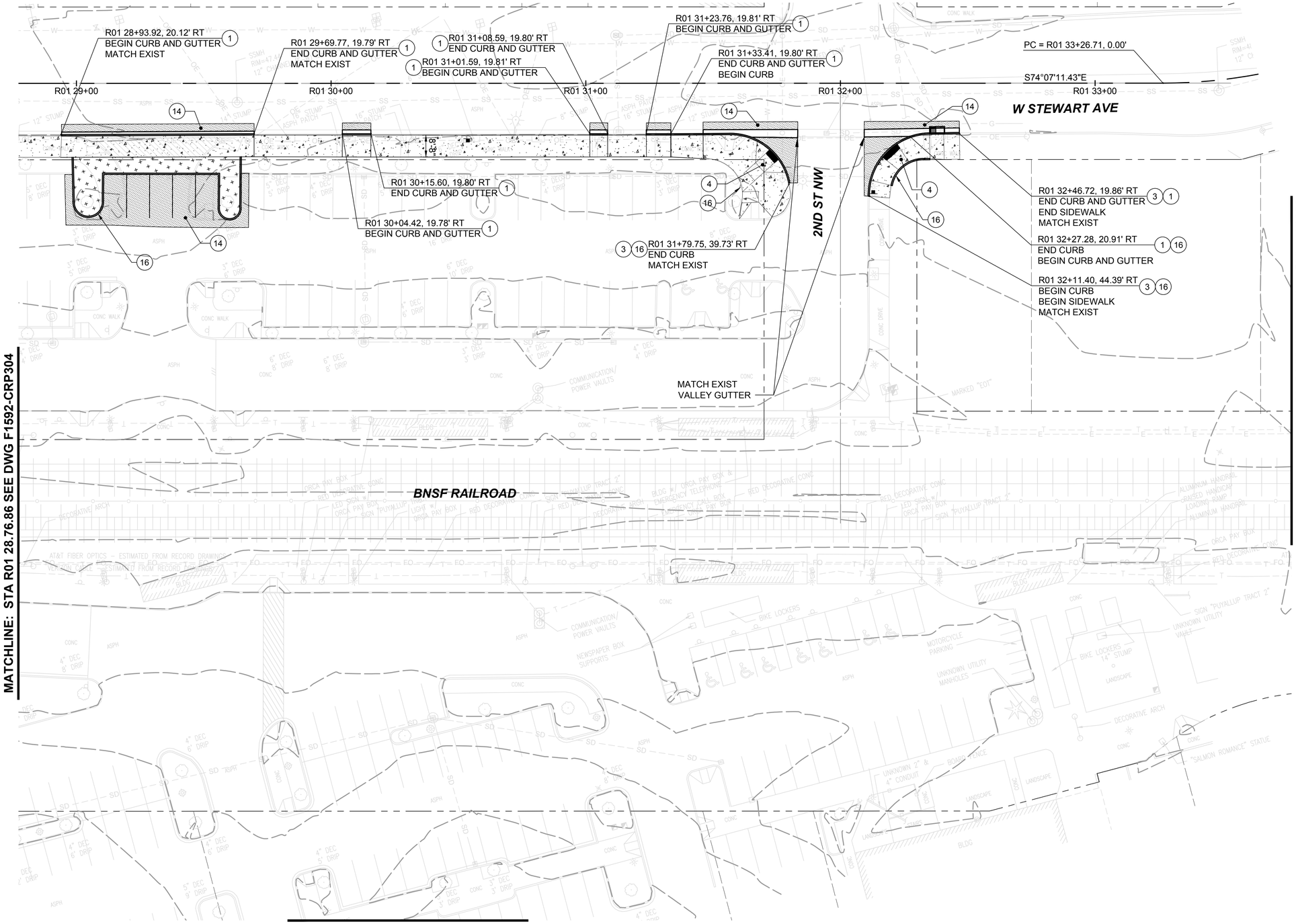
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FILENAME: S317-F1592-CRP304
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 04/17/2023

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
CIVIL
ROADWAY PLAN

DRAWING No.: F1592-CRP304
FACILITY ID: F1592
SHEET No.: 32
REV: 0

16

Xrefs:
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xS317-F1592-CMP10
xGB-TB22x34
xS317-F1592-CLP10
xS317-F1592-TSP10



1. CURB RETURN DETAILS AND GRADING ARE REFERENCED ON F1592-CGP301 THROUGH F1592-CPD038, AND F1592-CPD131 THROUGH F1592-CPD138.
2. LIMITS OF SIDEWALK AND CURB REPLACEMENT SHOULD BE ADJUSTED TO NEAREST JOINT.

CONSTRUCTION NOTES:

(1) CONST CURB AND GUTTER, SEE COP STD PLAN 01.02.09

(3) CONST SIDEWALK, SEE COP STD PLAN 01.02.01 & 01.02.10

(4) CONST CURB RAMP TYPE-A, SIMILAR TO COP STD PLAN 01.03.03

(14) CONST FULL DEPTH PVMT, SEE COP STD PLAN 01.01.06

(16) CONST CEMENT CONCRETE TRAFFIC CURB, SEE WSDOT STD PLAN F-10.12

20 10 0 20 40
SCALE IN FEET

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	04/17/2023	BSP	JGM	JGM	FINAL AS-BUILT

DESIGNED BY: B. PILON
DRAWN BY: J. CURTIS
CHECKED BY: J. MATTHEWS
APPROVED BY: J. MATTHEWS

kpff
SUBMITTED BY: SARA ROBERTS

HENSEL PHELPS Plan. Build. Manage.
kpff
DATE: 04/17/2023
REVIEWED BY: GREG SHIMIZU

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT
DATE: 04/17/2023

SCALE: 1"=20'
FILENAME: S317-F1592-CRP305
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 04/17/2023

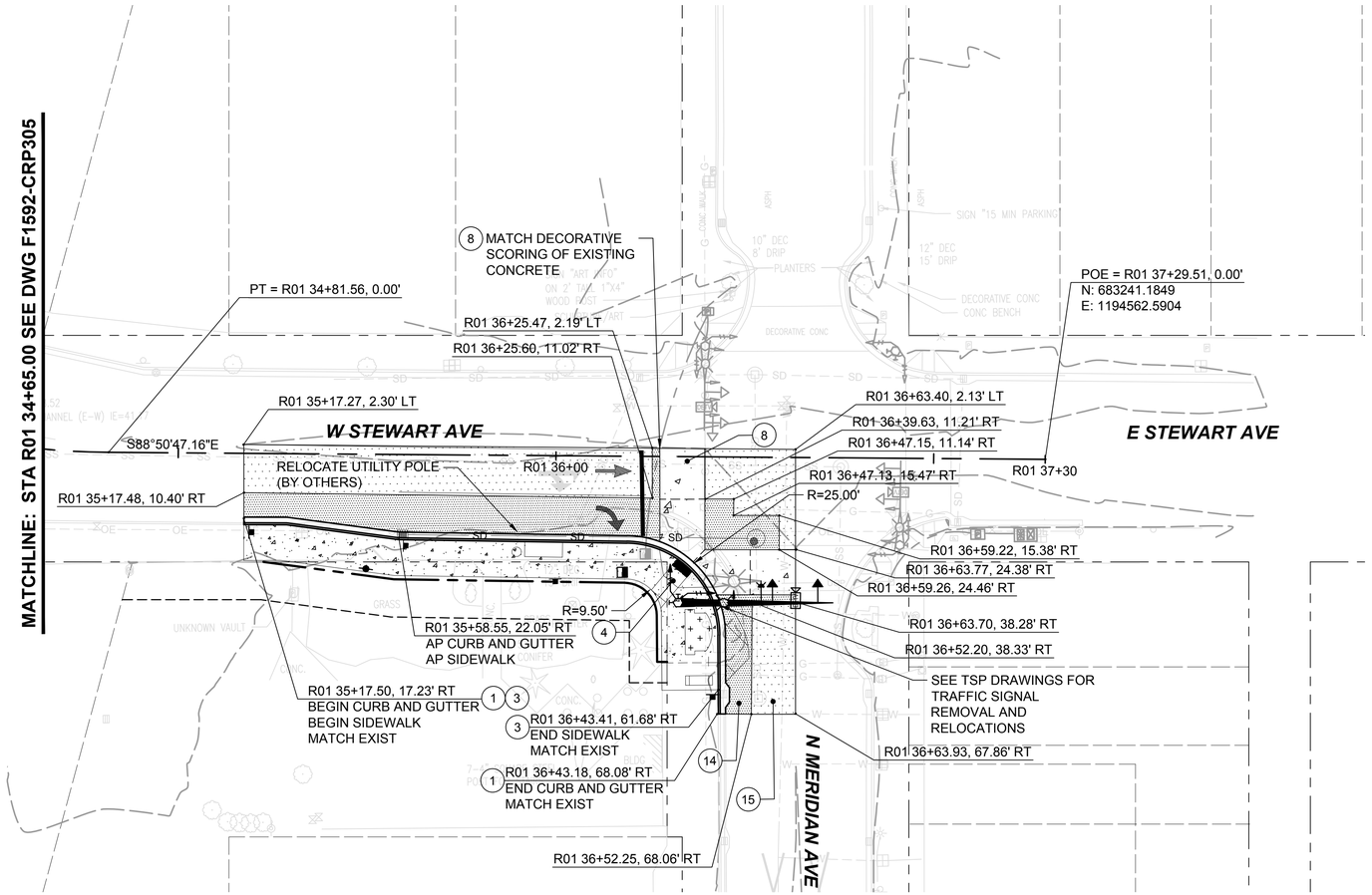
PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
CIVIL
ROADWAY PLAN

DRAWING No.: F1592-CRP305
FACILITY ID: F1592
SHEET No.: 33
REV: 0

05/04/23 | 3:14 PM | JONC
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GENERAL NOTES:

Xrefs:
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xS317-F1592-VRX10
xS317-F1592-CSP10
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xS317-F1592-CMP10
xGB-TB22x34
xS317-F1592-CLP10
xS317-F1592-TSP10
xS317-F1592-UCP10



1. CURB RETURN DETAILS AND GRADING ARE REFERENCED ON F1592-CGP301 THROUGH F1592-CPD038, AND F1592-CPD131 THROUGH F1592-CPD138.

CONSTRUCTION NOTES:

(1) CONST CURB AND GUTTER, SEE COP STD PLAN 01.02.09

(3) CONST SIDEWALK, SEE COP STD PLAN 01.02.01 & 01.02.10

(4) CONST CURB RAMP TYPE-A, SIMILAR TO COP STD PLAN 01.03.03

(8) CONST DECORATIVE CONCRETE

(14) CONST FULL DEPTH PVMT, SEE COP STD PLAN 01.01.06

(15) CONST 2" HMA PLANE & OVERLAY, SEE COP STD PLAN 01.01.20

20 10 0 20 40
SCALE IN FEET

GENERAL NOTES:

05/04/23 | 3:14 PM | JONC
Z:\1900001-1900999\1900096 ST PUYALLUP DB GARAGE\CADD\DESIGN\S317-F1592-CRP306.DWG

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	04/17/2023	BSP	JGM	JGM	FINAL AS-BUILT

DESIGNED BY: B. PILON
DRAWN BY: J. CURTIS
CHECKED BY: J. MATTHEWS
APPROVED BY: J. MATTHEWS

kpff
HENSEL PHELPS Plan. Build. Manage.
kpff

SUBMITTED BY: SARA ROBERTS
DATE: 04/17/2023
REVIEWED BY: GREG SHIMIZU
DATE: 04/17/2023

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT

SCALE: 1"=20'
FILENAME: S317-F1592-CRP306
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 04/17/2023

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
CIVIL
ROADWAY PLAN

DRAWING No.: F1592-CRP306
FACILITY ID: F1592
SHEET No.: 34
REV: 0

Xrefs:
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xS317-F1592-VRX10
xS317-F1592-CSP10
xS317-F1592-CDP10
xS317-F1592-CPP10
xS317-F1592-CMP10
xGB-TB22x34
xS317-F1592-CLP10
xS317-F1592-TSP10

GENERAL NOTES:

1. CURB RETURN DETAILS AND GRADING ARE REFERENCED ON F1592-CGP301 THROUGH F1592-CPD038, AND F1592-CPD131 THROUGH F1592-CPD138.

CONSTRUCTION NOTES:

(1) CONST CURB AND GUTTER, SEE COP STD PLAN 01.02.09

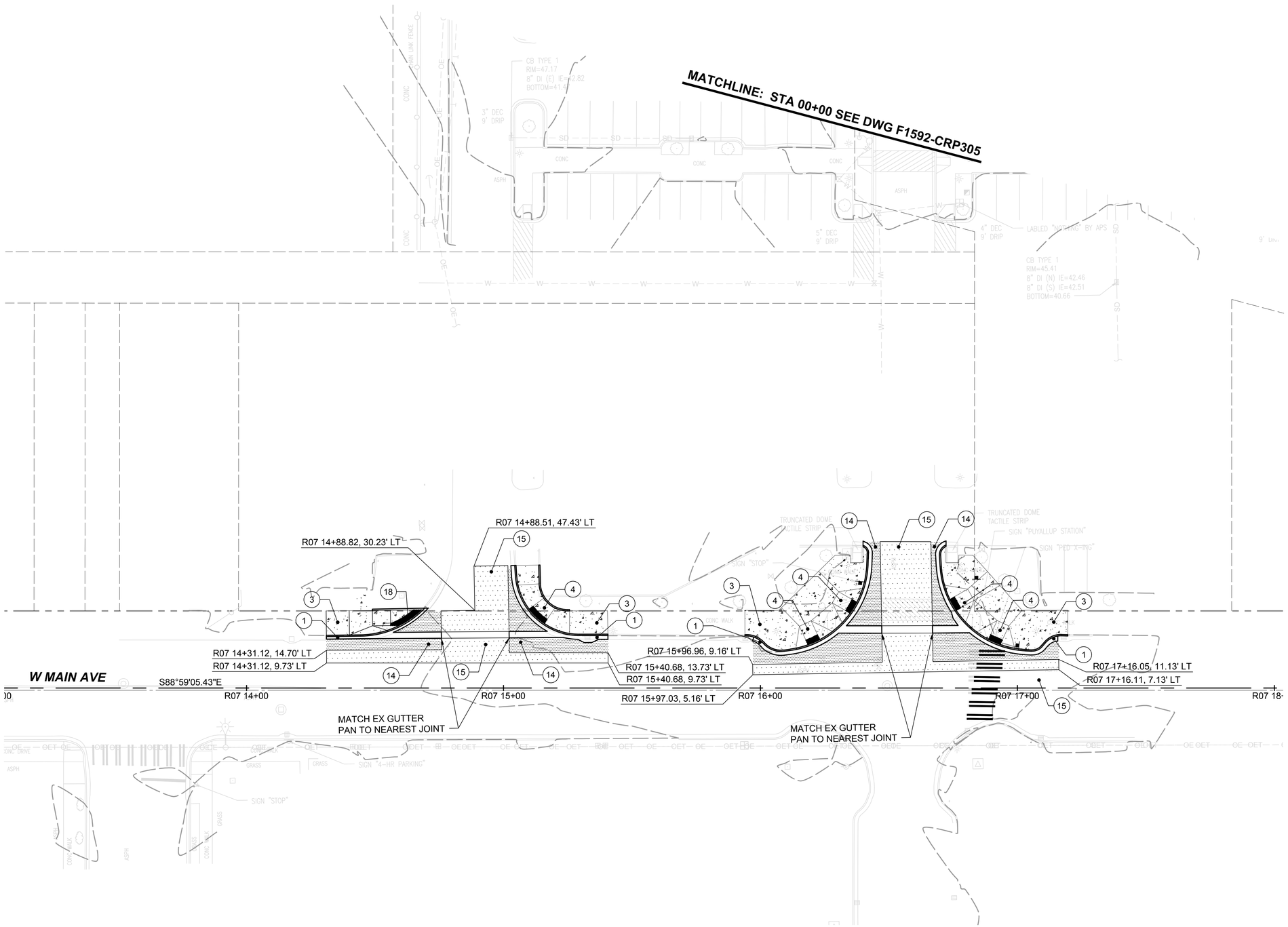
(3) CONST SIDEWALK, SEE COP STD PLAN 01.02.01 & 01.02.10

(4) CONST CURB RAMP TYPE-A, SIMILAR TO COP STD PLAN 01.03.03

(14) CONST FULL DEPTH PVMT, SEE COP STD PLAN 01.01.06

(15) CONST 2" HMA PLANE & OVERLAY, SEE COP STD PLAN 01.01.20

◯ CONST CURB RAMP COMMERCIAL APPROACH, SEE COP STD PLAN 01.02.19



FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	04/17/2023	BSP	JGM	JGM	FINAL AS-BUILT

DESIGNED BY: B. PILON
DRAWN BY: J. CURTIS
CHECKED BY: J. MATTHEWS
APPROVED BY: J. MATTHEWS

kpff
SUBMITTED BY: SARA ROBERTS

HENSEL PHELPS Plan. Build. Manage.
kpff
DATE: 04/17/2023

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT
REVIEWED BY: GREG SHIMIZU
DATE: 04/17/2023

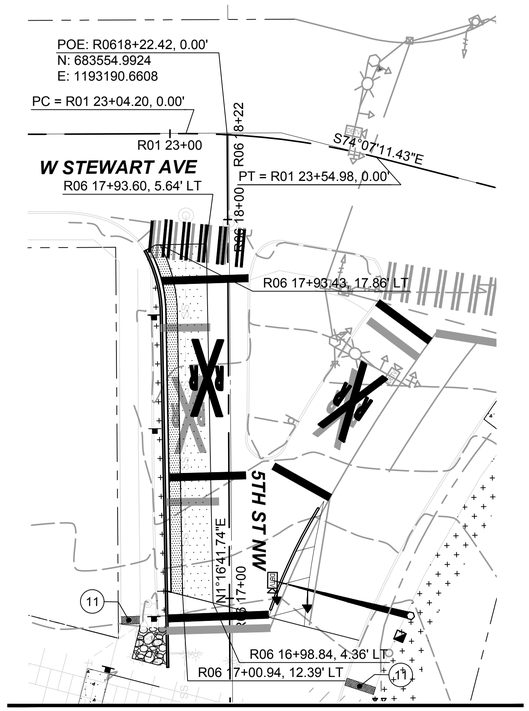
SCALE: 1"=20'
FILENAME: S317-F1592-CRP307
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 04/17/2023

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
CIVIL
ROADWAY PLAN

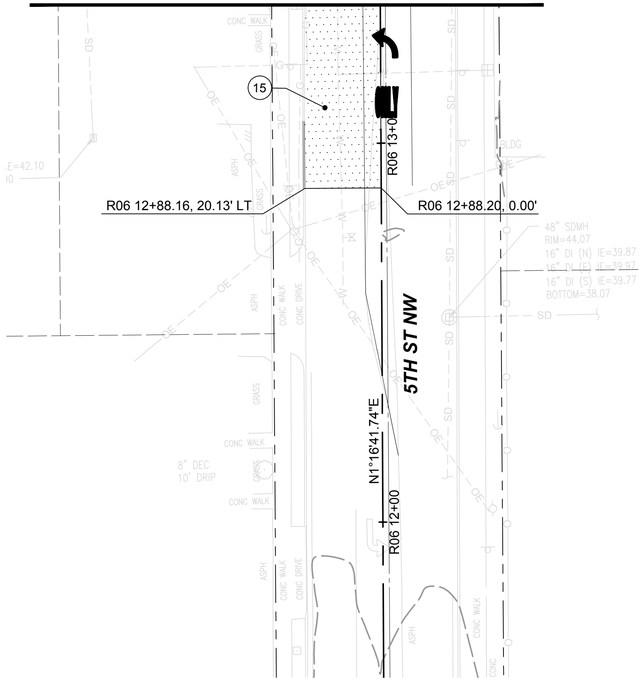
DRAWING No.: F1592-CRP307
FACILITY ID: F1592
SHEET No.: 35
REV: 0

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Xrefs:
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xS317-F1592-VRX100
xS317-F1592-CSP100
xS317-F1592-CDP100
xS317-F1592-CMP100
xGB-TB22x34
xS317-F1592-CLP100
xS317-F1592-TSP100
xS317-F1592-CPP100



MATCHLINE: STA R06 13+36.50 SEE DWG F1592-CRP303



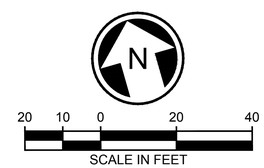
GENERAL NOTES:

1. CURB RETURN DETAILS AND GRADING ARE REFERENCED ON F1592-CGP301 THROUGH F1592-CPD038 AND F1592-CPD131 THROUGH F1592-CPD138.

CONSTRUCTION NOTES:

(11) CONST DETECTABLE WARNING RETROFIT, SEE SPECIAL PROVISION

(15) CONST 2" HMA PLANE & OVERLAY, SEE COP STD PLAN 01.01.20



FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	04/17/2023	BSP	JGM	JGM	FINAL AS-BUILT

DESIGNED BY: B. PILON
DRAWN BY: J. CURTIS
CHECKED BY: J. MATTHEWS
APPROVED BY: J. MATTHEWS

kpff

HENSEL PHELPS
Plan. Build. Manage.
kpff

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT

SUBMITTED BY: SARA ROBERTS
DATE: 04/17/2023
REVIEWED BY: GREG SHIMIZU
DATE: 04/17/2023

SCALE: 1"=20'
FILENAME: S317-F1592-CRP308
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 04/17/2023

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS

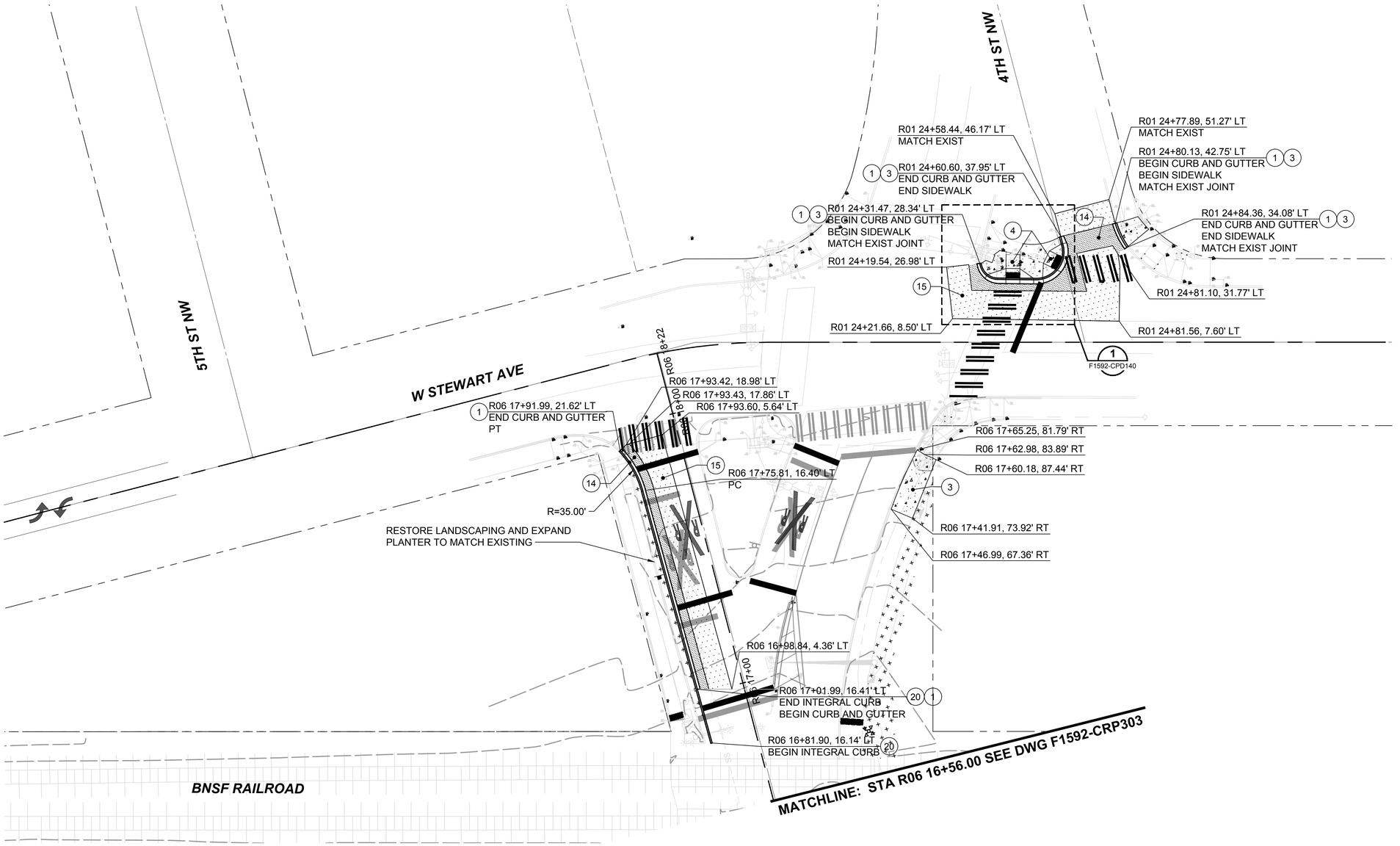
CIVIL
ROADWAY PLAN

DRAWING No.: F1592-CRP308
FACILITY ID: F1592
SHEET No.: 36
REV: 0

05/04/23 | 3:15 PM | JONC
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MATCHLINE: STA R06 17+75.00 SEE DWG F1592-CRP308

Xrefs:
xS317-F1592-RPP10
xS317-F1592-VRX10
xS317-F1592-CPP10
xS317-F1592-CMP10
xGB-TB22x34
xS317-F1592-CLP10
xS317-F1592-UCP10
xS317-F1592-VRX-4
xS317-F1592-CSP10
xS317-F1592-CDP10
xS317-F1592-LPP10
xS317-F1592-TSP10



1. AT BACK OF PROPOSED SIDEWALK, MATCH EXISTING AND CONNECT TO EXISTING PRIVATE WALKWAYS.
2. CURB RETURN DETAILS AND GRADING ARE REFERENCED ON F1592-CGP301 THROUGH F1592-CPD038, AND F1592-CPD131 THROUGH F1592-CPD138.
3. HMA SIDEWALK TRANSITIONS ARE REFERENCED ON F1592-CPD137 AND F1592-CPD138.

CONSTRUCTION NOTES:

(1) CONST CURB AND GUTTER, SEE COP STD PLAN 01.02.09 & 01.02.10

(3) CONST SIDEWALK, SEE COP STD PLAN 01.02.01 & 01.01.20

(4) CONST CURB RAMP TYPE-A, SIMILAR TO COP STD PLAN 01.03.03, SEE F1592-CPD140

(14) CONST FULL DEPTH PVMT, SEE COP STD PLAN 01.01.06

(15) CONST 2" HMA PLANE & OVERLAY, SEE COP STD PLAN 01.01.20

(20) CONST INTEGRAL CURB, SEE F1592-CPD141, DETAIL 1

20 10 0 20 40
SCALE IN FEET

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	04/17/2023	BSP	JGM	JGM	FINAL AS-BUILT

DESIGNED BY: B. PILON
DRAWN BY: J. CURTIS
CHECKED BY: J. MATTHEWS
APPROVED BY: J. MATTHEWS

kpff

HENSEL PHELPS
Plan. Build. Manage.
kpff

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT

SUBMITTED BY: SARA ROBERTS
DATE: 04/17/2023
REVIEWED BY: GREG SHIMIZU
DATE: 04/17/2023
SUBMITTAL DATE: 04/17/2023

SCALE: 1"=20'
FILENAME: S317-F1592-CRP309
CONTRACT No.: RTA/CN 0612-18

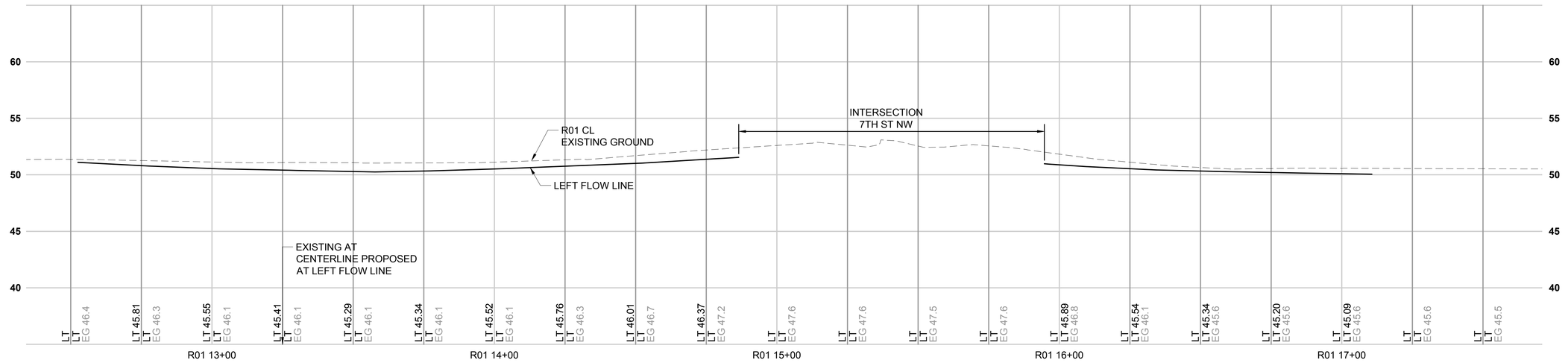
PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
CIVIL
ROADWAY PLAN

DRAWING No.: F1592-CRP309
FACILITY ID: F1592
SHEET No.: 37
REV: 0

05/04/23 | 3:15 PM | JONC
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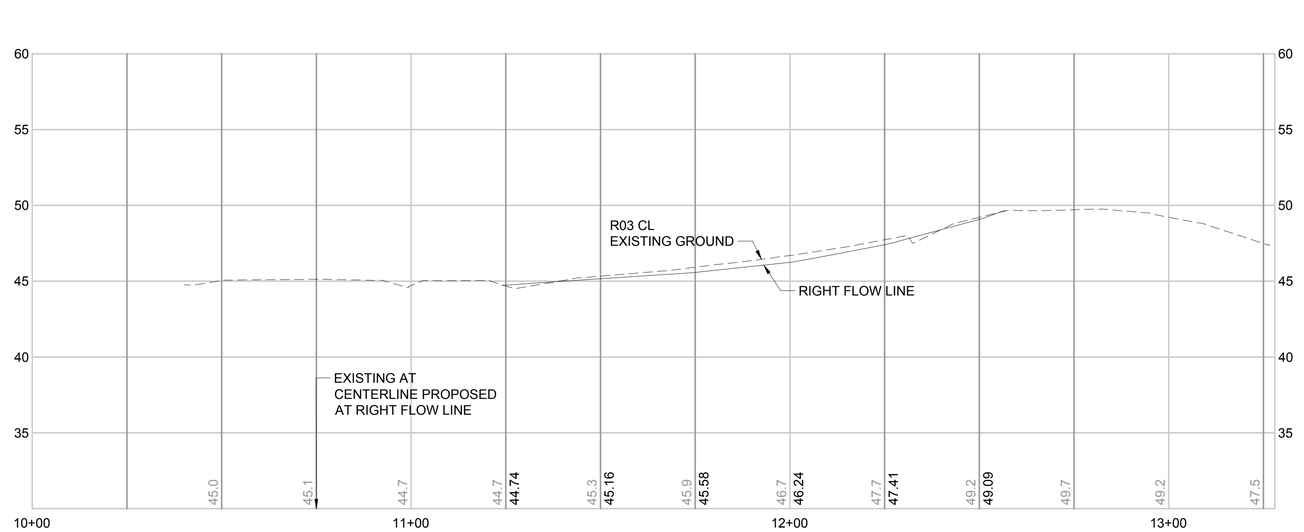
GENERAL NOTES:

Xrefs:
xGB-TB22x34
xS317-F1592-CRV10



R01 FLOWLINE PROFILE W STEWART AVE

SCALE: H: 1"=20' V: 1"=5'



SCALE: H: 1"=20' V: 1"=5'

R03 FLOWLINE PROFILE 7TH ST NW (SOUTH)

No.	DATE	DSN	CHK	APP	REVISION
0	04/17/2023	BSP	JGM	JGM	FINAL AS-BUILT

FINAL AS-BUILT

DESIGNED BY: B. PILON
DRAWN BY: J. CURTIS
CHECKED BY: J. MATTHEWS
APPROVED BY: J. MATTHEWS

kpff
SUBMITTED BY: SARA ROBERTS

HENSEL PHELPS
Plan. Build. Manage.
kpff
DATE: 04/17/2023
REVIEWED BY: GREG SHIMIZU

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT
DATE: 04/17/2023

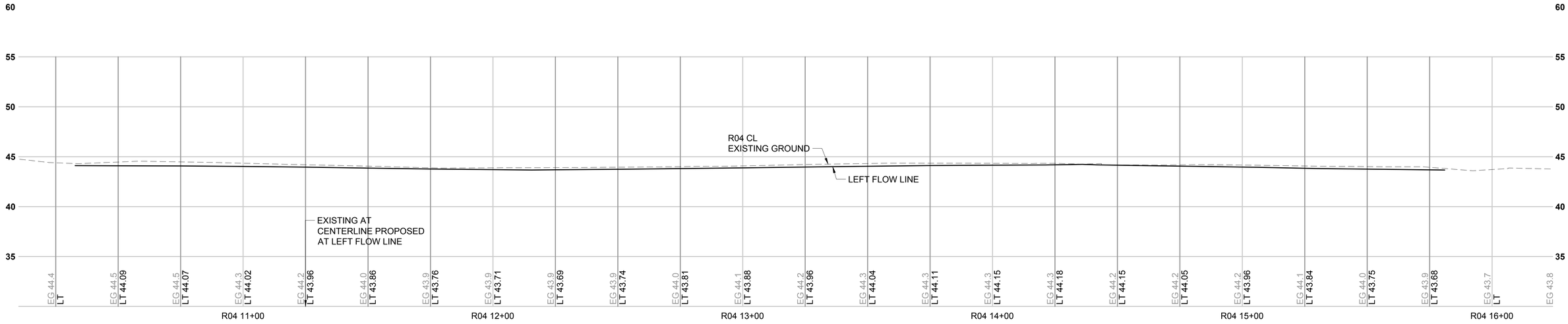
SCALE: AS NOTED
FILENAME: S317-F1592-CRV031
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 04/17/2023

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
CIVIL
ROADWAY PROFILES

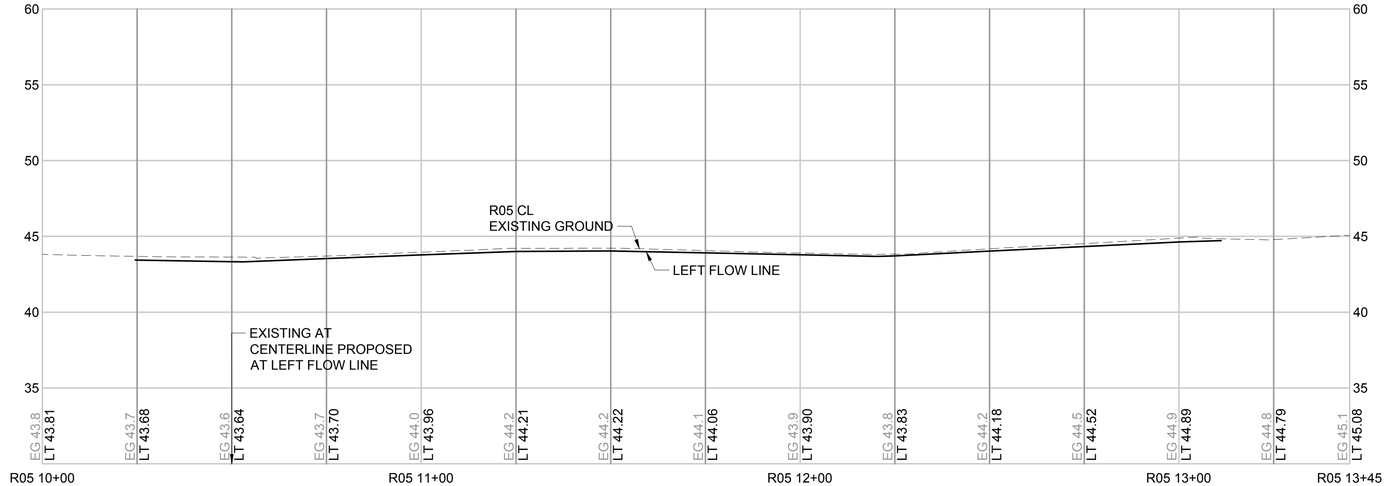
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FACILITY ID: F1592
SHEET No.: 38
REV: 0

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Xrefs:
xGB-TB22x34
xS317-F1592-CRV10



SCALE: H: 1"=20' V: 1"=5'



R05 FLOWLINE PROFILES 2ND AVE NW

SCALE: H: 1"=20' V: 1"=5'

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	04/17/2023	BSP	JGM	JGM	FINAL AS-BUILT

DESIGNED BY: B. PILON
DRAWN BY: J. CURTIS
CHECKED BY: J. MATTHEWS
APPROVED BY: J. MATTHEWS

kpff

HENSEL PHELPS
Plan. Build. Manage.
kpff

SUBMITTED BY: SARA ROBERTS
DATE: 04/17/2023
REVIEWED BY: GREG SHIMIZU
DATE: 04/17/2023

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT

SCALE: AS NOTED
FILENAME: S317-F1592-CRV032
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 04/17/2023

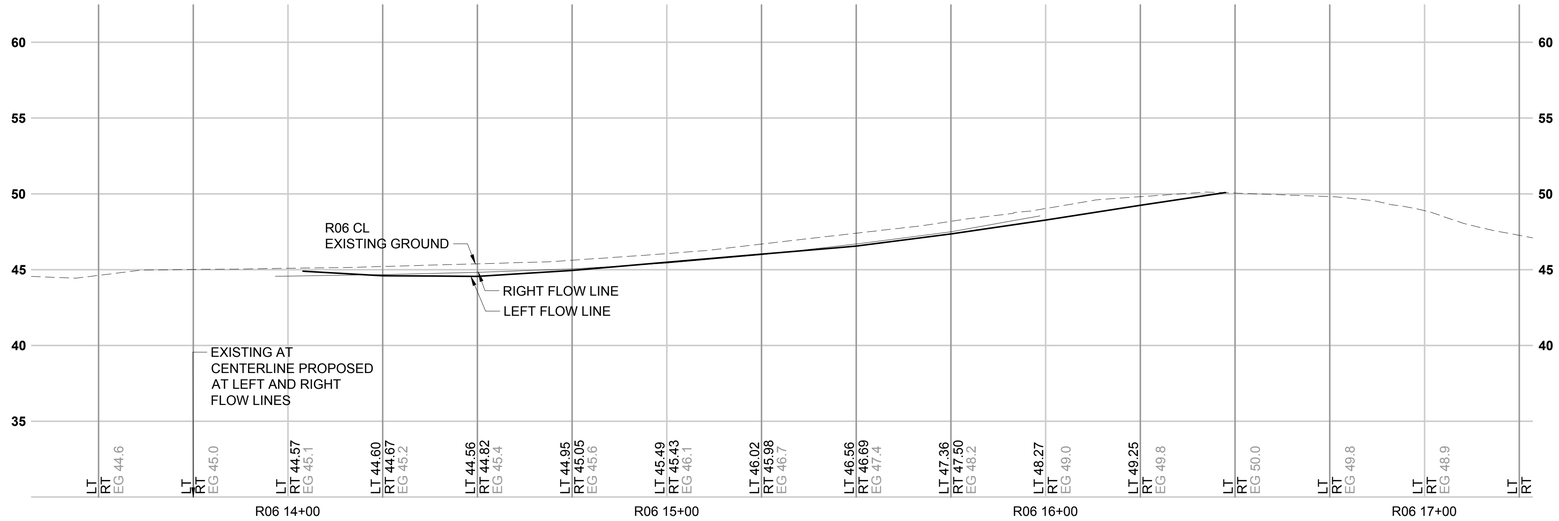
PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
CIVIL
ROADWAY PROFILES

DRAWING No.: F1592-CRV032
FACILITY ID: F1592
SHEET No.: 39
REV: 0

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R04 FLOWLINE PROFILES 3RD AVE NW

Xrefs:
xGB-TB22x34
xS317-F1592-CRV10



R06 FLOWLINE PROFILE 5TH ST NW

SCALE: H: 1"=20' V: 1"=5'

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	04/17/2023	BSP	JGM	JGM	FINAL AS-BUILT

DESIGNED BY: B. PILON
DRAWN BY: J. CURTIS
CHECKED BY: J. MATTHEWS
APPROVED BY: J. MATTHEWS

kpff

HENSEL PHELPS
Plan. Build. Manage.
kpff

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT

SUBMITTED BY: SARA ROBERTS
DATE: 04/17/2023
REVIEWED BY: GREG SHIMIZU
DATE: 04/17/2023

SCALE: AS NOTED
FILENAME: S317-F1592-CRV033
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 04/17/2023

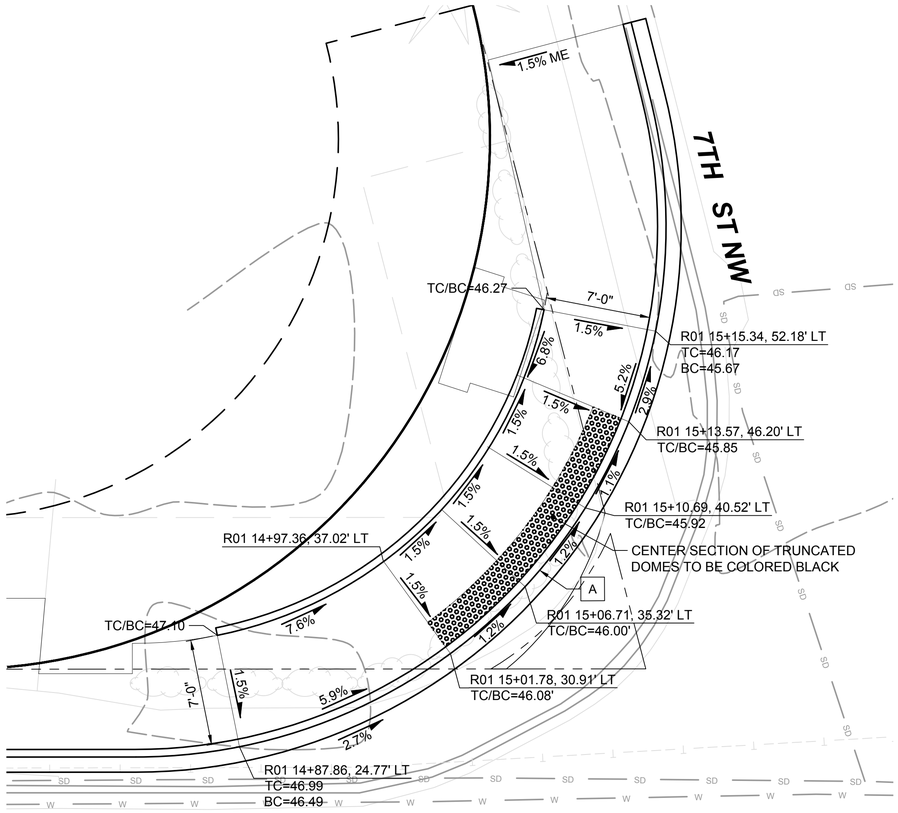
PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS

CIVIL
ROADWAY PROFILES

DRAWING No.: F1592-CRV033
FACILITY ID: F1592
SHEET No.: 40
REV: 0

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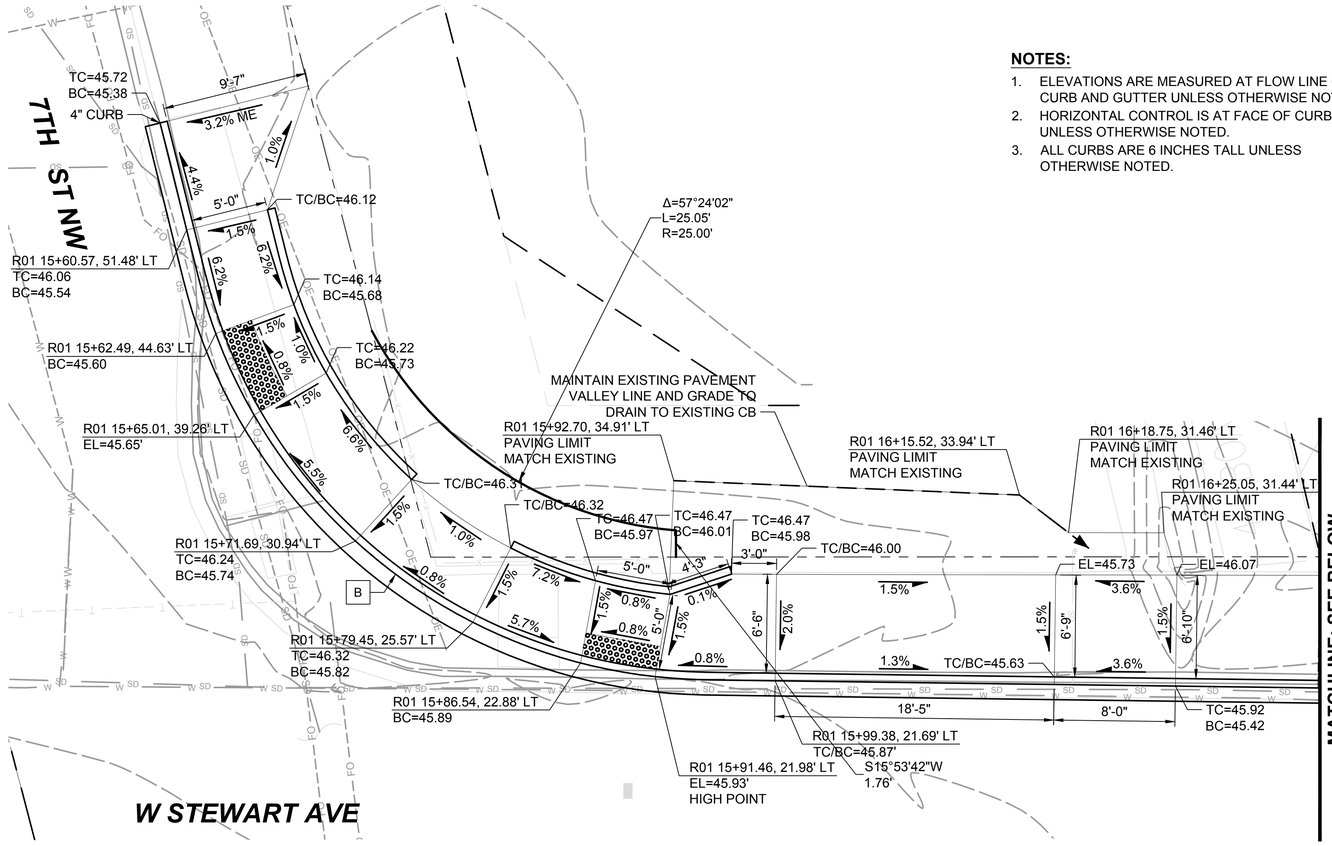
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xS317-F1592-CSP10
xGB-TB22x34
xS317-F1592-CLP10
xS317-F1592-RPP10



CURB RAMP DETAIL 1

SCALE: 1" = 5'

F1592-CGP301



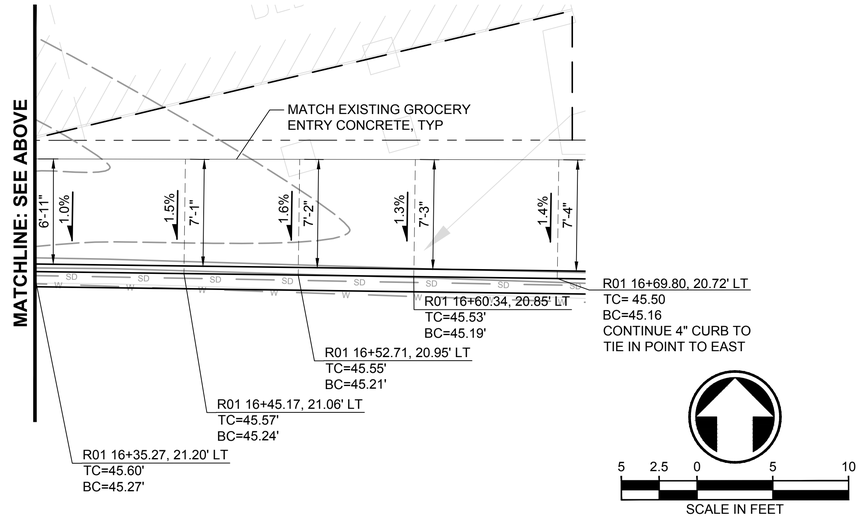
CURB RAMP DETAIL 2

SCALE: 1" = 5'

F1592-CGP301

NOTES:

1. ELEVATIONS ARE MEASURED AT FLOW LINE OF CURB AND GUTTER UNLESS OTHERWISE NOTED.
2. HORIZONTAL CONTROL IS AT FACE OF CURB UNLESS OTHERWISE NOTED.
3. ALL CURBS ARE 6 INCHES TALL UNLESS OTHERWISE NOTED.



CURB RETURN TABLE A

DELTA	RADIUS	TANGENT	LENGTH
104°15'41"	35.00'	45.01'	63.69'
POINT	**STA-OFFSET**	**FL EL**	**TC EL**
PC	R01 14+81.02, 24.10' LT	46.49'	46.99'
1/4	R01 14+96.40, 27.65' LT	46.25'	46.46'
1/2	R01 15+08.65, 37.60' LT	45.96'	-
3/4	R01 15+15.29, 51.93' LT	45.62'	45.61'
PT	R01 15+14.95, 67.71' LT	45.28'	45.78'

B

DELTA	RADIUS	TANGENT	LENGTH
75°03'26"	35.00'	26.90'	45.85'
POINT	**STA-OFFSET**	**FL EL**	**TC EL**
PC	R01 15+61.34, 48.35' LT	45.57'	45.84
1/4	R01 15+65.85, 37.87' LT	45.66'	45.74
1/2	R01 15+73.50, 29.40' LT	45.76'	46.26'
3/4	R01 15+83.46, 23.83' LT	45.86'	46.07
PT	R01 15+94.69, 21.77' LT	45.92'	46.14

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	04/17/2023	BSP	SGR	JGM	FINAL AS-BUILT

DESIGNED BY: B. PILON
DRAWN BY: M. VU
CHECKED BY: S. GUJULUVA RAJAN
APPROVED BY: J. MATTHEWS

kpff — SUBMITTED BY: SARA ROBERTS — DATE: 04/17/2023

HENSEL PHELPS Plan. Build. Manage. kpff — REVIEWED BY: GREG SHIMIZU — DATE: 04/17/2023

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT — SUBMITTAL DATE: 04/17/2023

SCALE: 1" = 5'
FILENAME: S317-F1592-CPD031
CONTRACT No.: RTA/CN 0612-18

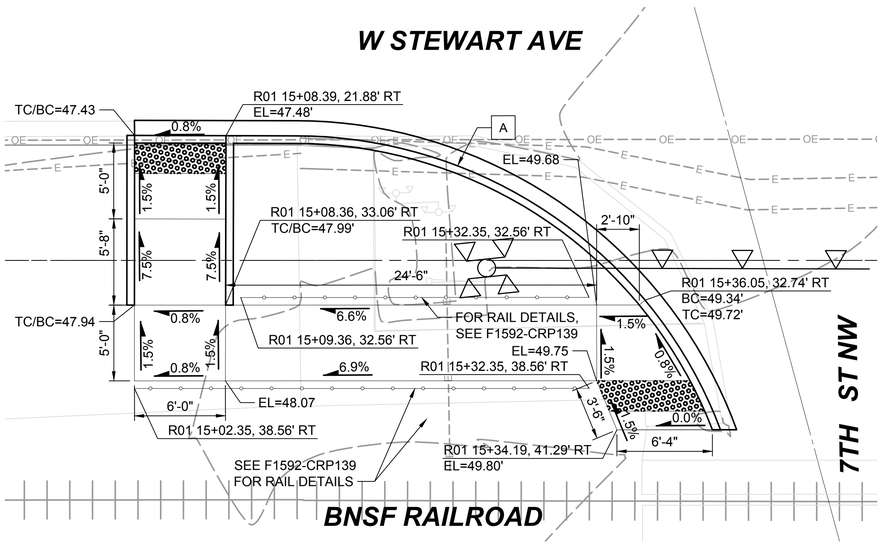
PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
CIVIL
CURB RAMP DETAILS

DRAWING No.: F1592-CPD031
FACILITY ID: F1592
SHEET No.: 41
REV: 0

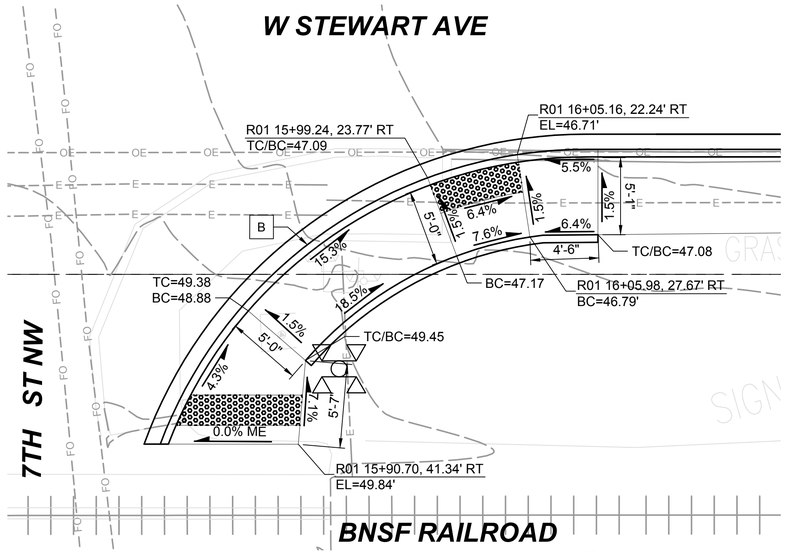
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CURB RETURN TABLE

Xrefs:
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xS317-F1592-VRX10
xS317-F1592-CSP10
xGB-TB22x34
xS317-F1592-CLP10



CURB RAMP DETAIL 1
SCALE: 1" = 5' F1592-CGP301



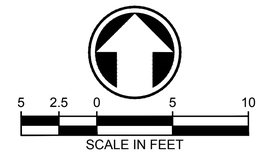
CURB RAMP DETAIL 2
SCALE: 1" = 5' F1592-CGP301

NOTES:

1. ELEVATIONS ARE MEASURED AT FLOW LINE OF CURB AND GUTTER UNLESS OTHERWISE NOTED.
2. HORIZONTAL CONTROL IS AT FACE OF CURB UNLESS OTHERWISE NOTED.
3. ALL CURBS ARE 6 INCHES TALL UNLESS OTHERWISE NOTED.

A			
DELTA	**RADIUS**	**TANGENT**	**LENGTH**
69°17'17"	30.00'	20.72'	36.28'
POINT	**STA-OFFSET**	**FL EL**	**TC EL**
PC	R01 15+13.04, 21.89' RT	47.51'	48.01'
¼	R01 15+21.95, 23.27' RT	48.12'	48.62'
½	R01 15+30.05, 27.24' RT	48.73'	49.23'
¾	R01 15+36.61, 33.43' RT	49.34'	49.72
PT	R01 15+41.02, 41.29' RT	49.74'	50.00'

CURB RETURN TABLE B			
DELTA	**RADIUS**	**TANGENT**	**LENGTH**
69°23'08"	30.00'	20.76'	36.33'
POINT	**STA-OFFSET**	**FL EL**	**TC EL**
PC	R01 15+81.60, 41.33' RT	49.34'	49.84'
¼	R01 15+86.02, 33.44' RT	48.95'	49.45'
½	R01 15+92.60, 27.23' RT	48.23'	48.23'
¾	R01 16+00.73, 23.26' RT	46.99'	-
PT	R01 16+09.67, 21.89' RT	46.56'	46.96'



FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	04/17/2023	BSP	SGR	JGM	FINAL AS-BUILT

DESIGNED BY: B. PILON
DRAWN BY: M. VU
CHECKED BY: S. GUJULUVA RAJAN
APPROVED BY: J. MATTHEWS

kpff
HENSEL PHELPS Plan. Build. Manage.
kpff
LINE IS 1" AT FULL SCALE
SOUNDTRANSIT

SUBMITTED BY: SARA ROBERTS
DATE: 04/17/2023
REVIEWED BY: GREG SHIMIZU
DATE: 04/17/2023

SCALE: 1" = 5'
FILENAME: S317-F1592-CPD032
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 04/17/2023

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
CIVIL
CURB RAMP DETAILS

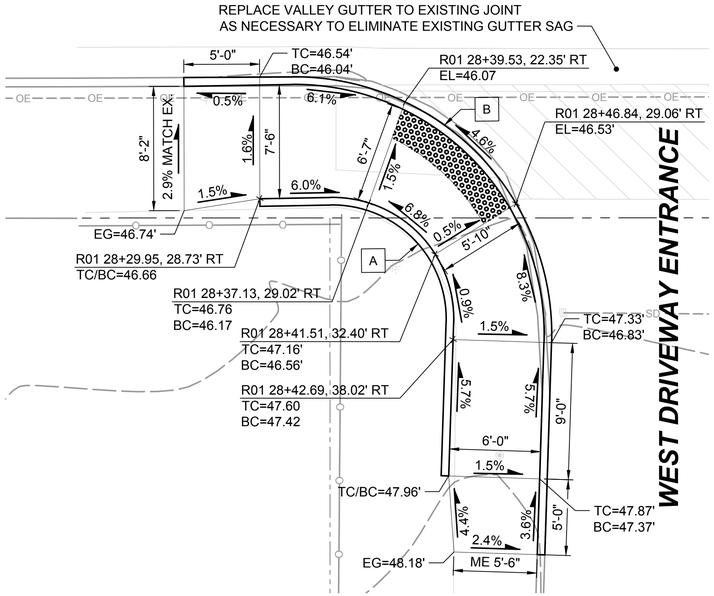
DRAWING No.: F1592-CPD032
FACILITY ID: F1592
SHEET No.: 42
REV: 0

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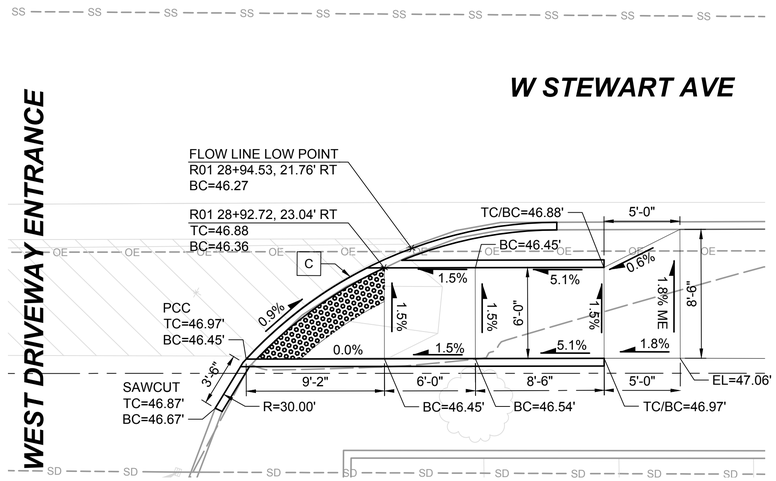
CURB RETURN TABLE

Xrefs:
xS317-F1592-CDP10
xS317-F1592-VRX10
xS317-F1592-CSP10
xGB-TB22x34

W STEWART AVE



CURB RAMP DETAIL 1
SCALE: 1" = 5' F1592-CGP304



CURB RAMP DETAIL 2
SCALE: 1" = 5' F1592-CGP304

NOTES:

1. ELEVATIONS ARE MEASURED AT FLOW LINE OF CURB AND GUTTER UNLESS OTHERWISE NOTED.
2. HORIZONTAL CONTROL IS AT FACE OF CURB UNLESS OTHERWISE NOTED.
3. ALL CURBS ARE 6 INCHES TALL UNLESS OTHERWISE NOTED.

A			
DELTA	**RADIUS**	**TANGENT**	**LENGTH**
92°48'48"	8.00'	8.40'	12.96'
POINT	**STA-OFFSET**	**FL EL**	**TC EL**
PC	R01 28+34.59 28.65' RT	46.38'	46.72'
1/2	R01 28+40.43, 31.03' RT	46.60'	47.10'
PT	R01 28+42.73, 36.90' RT	47.42'	47.56'

CURB RETURN TABLE B			
DELTA	**RADIUS**	**TANGENT**	**LENGTH**
91°55'43"	17.00'	17.58'	27.34'
POINT	**STA-OFFSET**	**FL EL**	**TC EL**
PC	R01 28+32.10, 20.69' RT	46.05'	46.55'
1/4	R01 28+38.76, 22.01' RT	46.08'	46.14'
1/2	R01 28+44.37, 25.83' RT	46.35'	-
3/4	R01 28+48.04, 31.54' RT	46.62'	46.76'
PT	R01 28+49.19, 38.23' RT	46.83'	47.33'

CURB RETURN TABLE C			
DELTA	**RADIUS**	**TANGENT**	**LENGTH**
47°36'39"	28.00'	12.35'	23.27'
POINT	**STA-OFFSET**	**FL EL**	**TC EL**
PCC	R01 28+83.41, 29.28' RT	46.45'	46.97'
1/2	R01 28+92.81, 22.45' RT	46.32'	46.47'
PT	R01 29+04.11, 20.03' RT	46.40'	46.90'

5 2.5 0 5 10
SCALE IN FEET

CURB RETURN TABLE

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	04/17/2023	BSP	SGR	JGM	FINAL AS-BUILT

DESIGNED BY: B. PILON
DRAWN BY: M. VU
CHECKED BY: S. GUJULUVA RAJAN
APPROVED BY: J. MATTHEWS

kpff
SUBMITTED BY: SARA ROBERTS
DATE: 04/17/2023

HENSEL PHELPS Plan. Build. Manage.
kpff
REVIEWED BY: GREG SHIMIZU
DATE: 04/17/2023

LINE IS 1" AT FULL SCALE

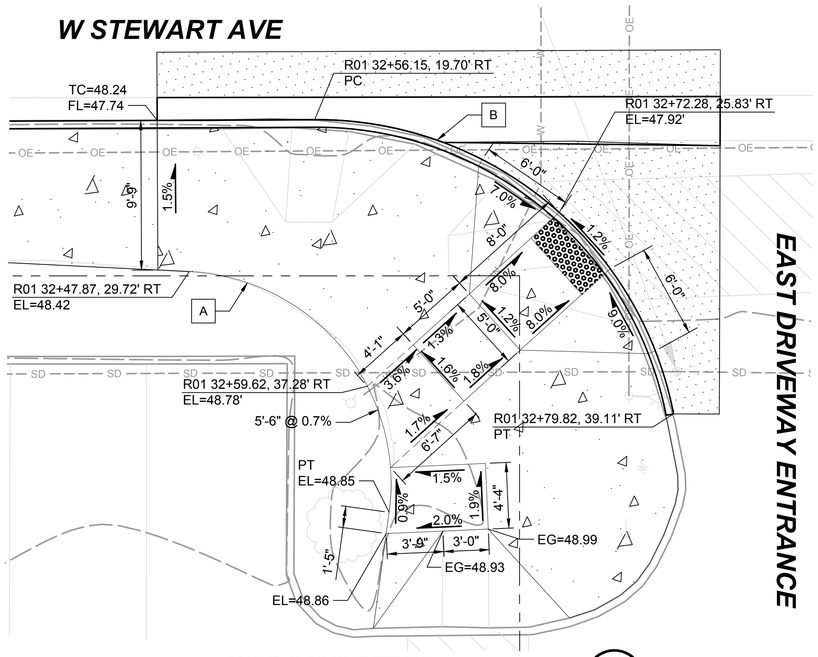
SOUNDTRANSIT
SCALE: 1" = 5'
FILENAME: S317-F1592-CPD033
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 04/17/2023

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
CIVIL
CURB RAMP DETAILS

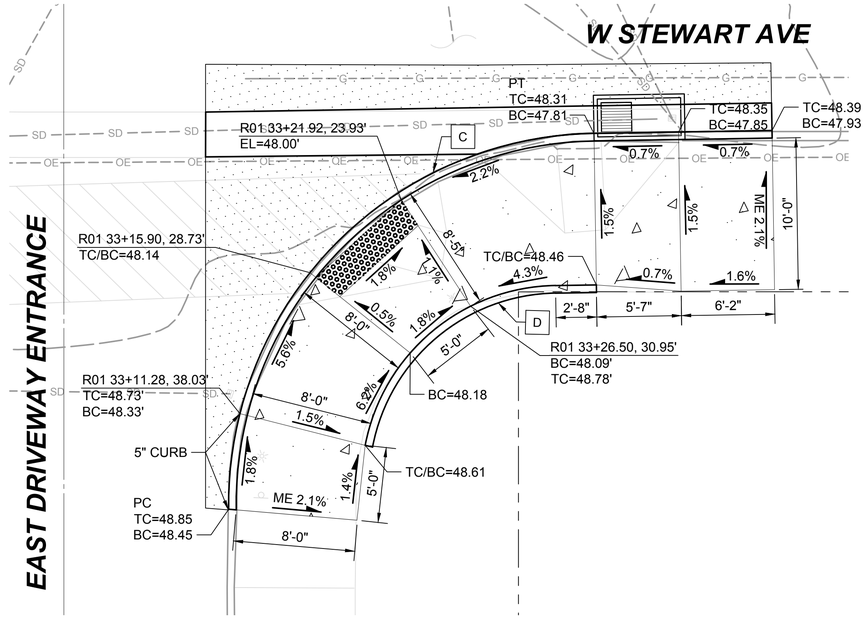
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REV: 0

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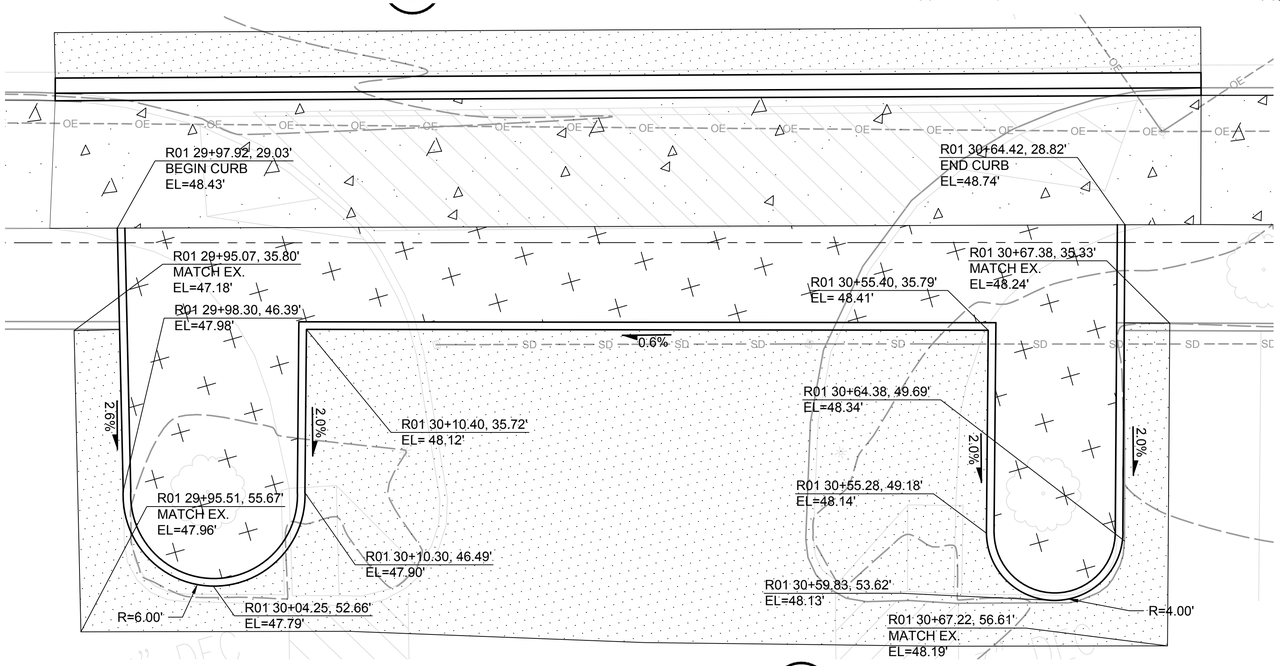
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xS317-F1592-VRX10
xS317-F1592-CSP10
xS317-F1592-CPP10
xGB-TB22x34



CURB RAMP DETAIL 1 F1592-CGP305



CURB RAMP DETAIL 2 F1592-CGP305
SCALE: 1" = 5'



PAVING DETAIL 3 F1592-CGP305
SCALE: 1" = 5'

NOTES:

1. ELEVATIONS ARE MEASURED AT FLOW LINE OF CURB AND GUTTER UNLESS OTHERWISE NOTED.
2. HORIZONTAL CONTROL IS AT FACE OF CURB UNLESS OTHERWISE NOTED.
3. ALL CURBS ARE 6 INCHES TALL UNLESS OTHERWISE NOTED.

CURB RETURN TABLE A

DELTA	RADIUS	TANGENT	LENGTH
94°57'20"	14.00'	15.27'	23.20'
POINT	**STA-OFFSET**	**FL EL**	**TC EL**
PC	R01 32+47.87, 29.72' RT	48.42'	-
1/2	R01 32+57.95, 34.76' RT	48.71'	-
PT	R01 32+61.05, 45.60' RT	48.85'	-

CURB RETURN TABLE B

DELTA	RADIUS	TANGENT	LENGTH
79°14'36"	24.00'	19.86'	33.19'
POINT	**STA-OFFSET**	**FL EL**	**TC EL**
PC	R01 32+56.15, 19.70' RT	47.77'	-
1/4	R01 32+64.29, 21.08' RT	47.80'	-
1/2	R01 32+71.48, 25.14' RT	47.91'	-
3/4	R01 32+76.86, 31.40' RT	48.01'	48.01'
PT	R01 32+79.81, 39.11' RT	48.15'	48.65'

CURB RETURN TABLE C

DELTA	RADIUS	TANGENT	LENGTH
88°55'22"	24.50'	24.04'	38.02'
POINT	**STA-OFFSET**	**FL EL**	**TC EL**
PC	R01 33+10.53, 43.97' RT	48.45'	48.85'
1/4	R01 33+12.38, 34.70' RT	48.28'	48.55'
1/2	R01 33+17.59, 26.83'RT	48.11'	-
3/4	R01 33+25.40, 21.51' RT	47.94'	47.90'
PT	R01 33+34.64, 19.55' RT	47.81'	48.31'

CURB RETURN TABLE D

DELTA	RADIUS	TANGENT	LENGTH
78°10'51"	13.00'	11.06'	17.74'
POINT	**STA-OFFSET**	**FL EL**	**TC EL**
PC	R01 33+19.54, 40.12' RT	48.61'	-
1/2	R01 33+23.95, 32.63' RT	48.14'	48.54'
PT	R01 33+32.10, 29.59' RT	48.34'	-

5 2.5 0 5 10
SCALE IN FEET

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	04/17/2023	BSP	SGR	JGM	FINAL AS-BUILT

DESIGNED BY: B. PILON
DRAWN BY: M. VU
CHECKED BY: S. GUJULUVA RAJAN
APPROVED BY: J. MATTHEWS

kpff
HENSEL PHELPS Plan. Build. Manage.
kpff
SOUNDTRANSIT

SUBMITTED BY: SARA ROBERTS
DATE: 04/17/2023
REVIEWED BY: GREG SHIMIZU
DATE: 04/17/2023

LINE IS 1" AT FULL SCALE

SCALE: 1" = 5'
FILENAME: S317-F1592-CPD034
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 04/17/2023

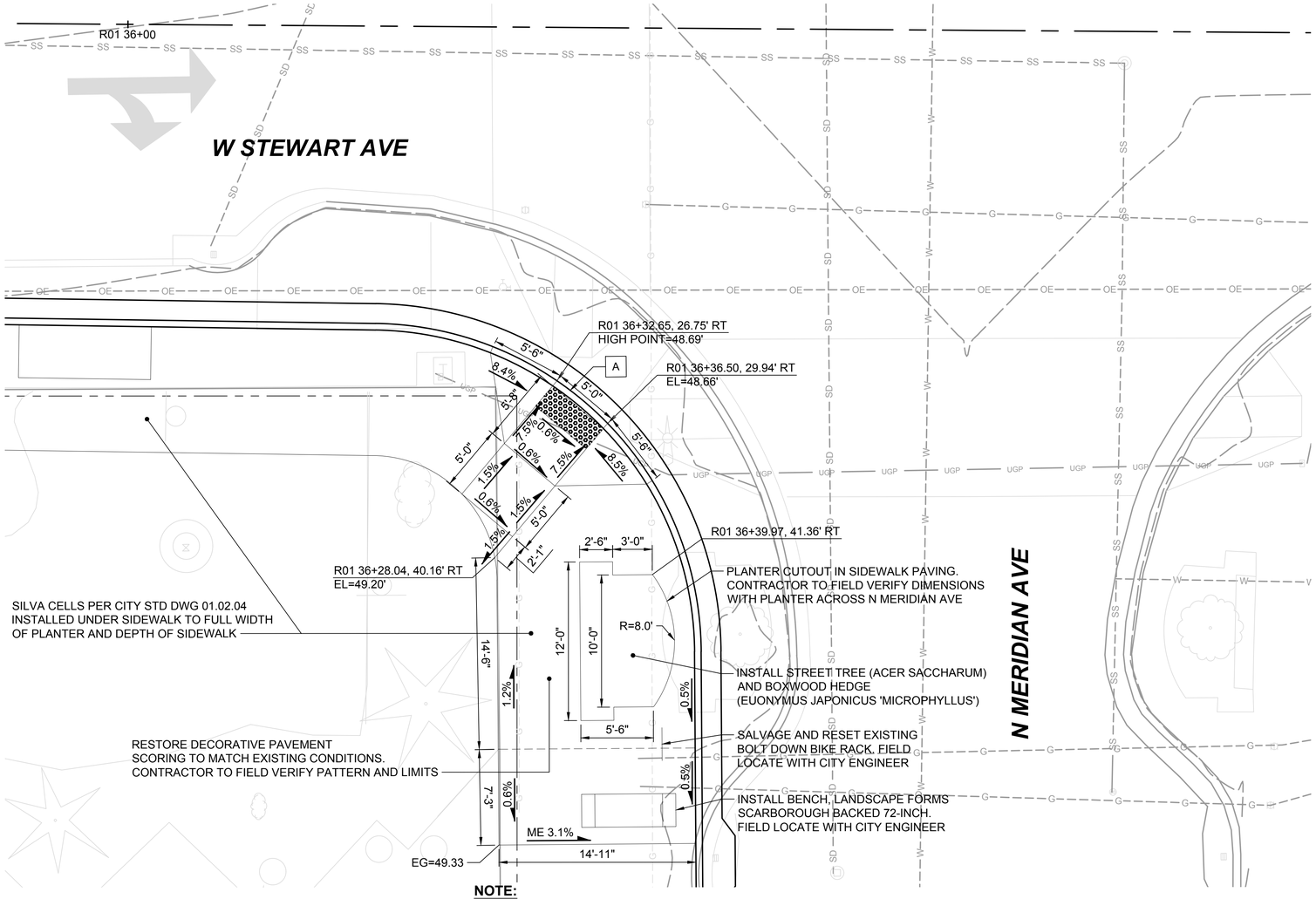
PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
CIVIL
CURB RAMP DETAILS

DRAWING No.: F1592-CPD034
FACILITY ID: F1592
SHEET No.: 44
REV: 0

05/04/23 | 3:06 PM | JONC
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SCALE: 1" 5

Xrefs:
xS317-F1592-VRX100
xS317-F1592-CSP100
xGB-TB22x34
xS317-F1592-CLP100



NOTE:

LANDSCAPE AND URBAN DESIGN ELEMENTS WILL BE REFLECTED IN A DP-2 PLAN CHANGE FORM BUT ARE INDICATED HERE FOR PERMIT APPROVAL.

CURB RAMP DETAIL 1
F1592-CGP306

NOTES:

1. ELEVATIONS ARE MEASURED AT FLOW LINE OF CURB AND GUTTER UNLESS OTHERWISE NOTED.
2. HORIZONTAL CONTROL IS AT FACE OF CURB UNLESS OTHERWISE NOTED.
3. ALL CURBS ARE 6 INCHES TALL UNLESS OTHERWISE NOTED.

CURB RETURN TABLE A

DELTA	RADIUS	TANGENT	LENGTH
88°46'26"	25.00'	24.47'	38.73'
POINT	**STA-OFFSET**	**FL EL**	**TC EL**
PC	R01 36+18.90, 22.50' RT	48.58'	49.08'
1/4	R01 36+28.33, 24.43' RT	48.65'	49.09'
1/2	R01 36+36.33, 29.77' RT	48.66'	-
3/4	R01 36+41.72, 37.74' RT	48.61'	49.11'
PT	R01 36+43.71, 47.16' RT	48.56'	49.06'

N

5 2.5 0 5 10
SCALE IN FEET

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FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	04/17/2023	BSP	SGR	JGM	FINAL AS-BUILT

DESIGNED BY: B. PILON
DRAWN BY: M. VU
CHECKED BY: S. GUJULUVA RAJAN
APPROVED BY: J. MATTHEWS

kpff
SUBMITTED BY: SARA ROBERTS

HENSEL PHELPS Plan. Build. Manage.
kpff
DATE: 04/17/2023
REVIEWED BY: GREG SHIMIZU

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT
DATE: 04/17/2023

SCALE: 1" = 5'
FILENAME: S317-F1592-CPD035
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 04/17/2023

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
CIVIL
CURB RAMP DETAILS

DRAWING No.: F1592-CPD035
FACILITY ID: F1592
SHEET No.: 45
REV: 0

SCALE: 1" 5

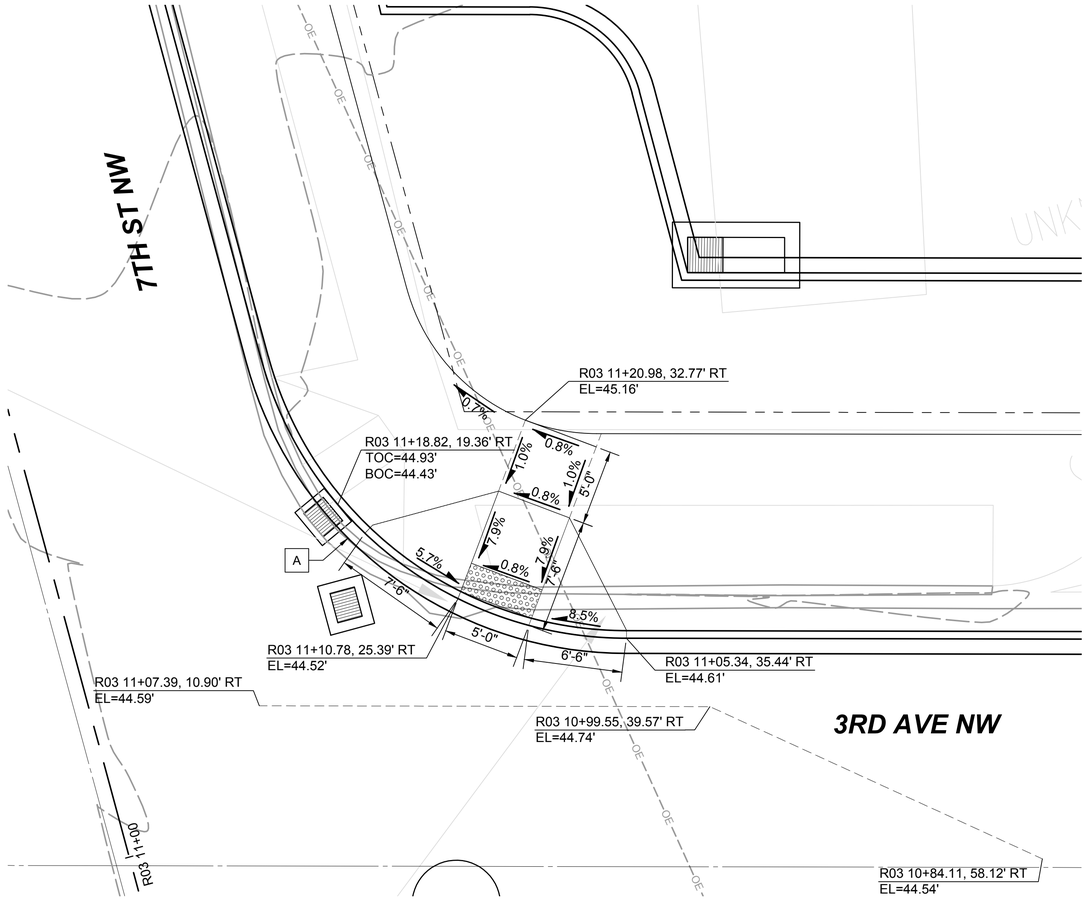
Xrefs:
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xS317-F1592-VRX10
xS317-F1592-CSP10
xGB-TB22x34

NOTES:

1. ELEVATIONS ARE MEASURED AT FLOW LINE OF CURB AND GUTTER UNLESS OTHERWISE NOTED.
2. HORIZONTAL CONTROL IS AT FACE OF CURB UNLESS OTHERWISE NOTED.
3. ALL CURBS ARE 6 INCHES TALL UNLESS OTHERWISE NOTED.
4. EXISTING AND PROPOSED UNDERGROUND UTILITIES NOT SHOWN ON THIS SHEET.

CURB RETURN TABLE A

DELTA	RADIUS	TANGENT	LENGTH
74°42'29"	25.0'	19.08'	32.60'
POINT	**STA-OFFSET**	**FL EL**	**TC EL**
PC	R03 11+29.47, 17.00' RT	44.72'	45.22'
1/4	R03 11+21.46, 18.32' RT	44.51'	44.89'
1/2	R03 11+10.78, 25.39' RT	44.47'	44.68'
3/4	R03 11+08.73, 28.03' RT	44.54'	-
PT	R03 11+05.34, 35.44' RT	44.61'	45.11'



CURB RAMP DETAIL 1 — F1592-CGP302

N

5 2.5 0 5 10

SCALE IN FEET

No.	DATE	DSN	CHK	APP	REVISION
0	04/17/2023	BSP	SGR	JGM	FINAL AS-BUILT

FINAL AS-BUILT

DESIGNED BY: B. PILON
DRAWN BY: M. VU
CHECKED BY: S. GUJULUVA RAJAN
APPROVED BY: J. MATTHEWS

kpff — SUBMITTED BY: SARA ROBERTS — DATE: 04/17/2023

HENSEL PHELPS Plan. Build. Manage. kpff — REVIEWED BY: GREG SHIMIZU — DATE: 04/17/2023

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT — SUBMITTAL DATE: 04/17/2023

SCALE: 1" = 5'
FILENAME: S317-F1592-CPD036
CONTRACT No.: RTA/CN 0612-18

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
CIVIL
CURB RAMP DETAILS

DRAWING No.: F1592-CPD036
FACILITY ID: F1592
SHEET No.: 46
REV: 0

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SCALE: 1" 5

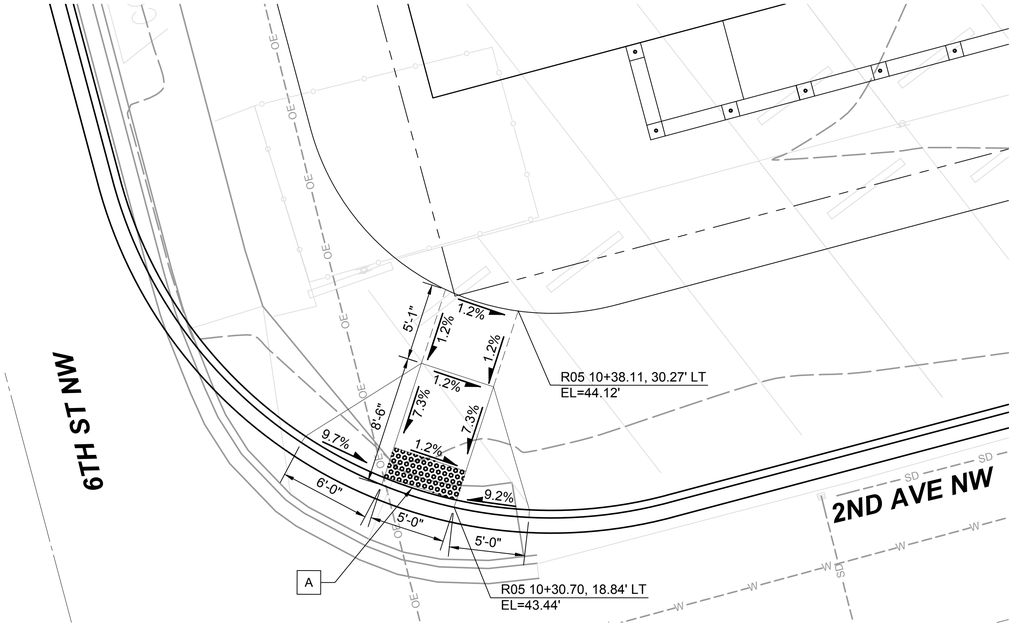
Xrefs:
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xS317-F1592-CSP100
xGB-TB22x34

NOTES:

1. ELEVATIONS ARE MEASURED AT FLOW LINE OF CURB AND GUTTER UNLESS OTHERWISE NOTED.
2. HORIZONTAL CONTROL IS AT FACE OF CURB UNLESS OTHERWISE NOTED.
3. ALL CURBS ARE 6 INCHES TALL UNLESS OTHERWISE NOTED.

CURB RETURN TABLE A

DELTA	RADIUS	TANGENT	LENGTH
89°56'12"	30.0'	29.96'	47.09'
POINT	**STA-OFFSET**	**FL EL**	**TC EL**
PC	R05 10+14.45, 45.47' LT	43.73'	44.23'
¼	R05 10+16.74, 33.99' LT	43.69'	44.19'
½	R05 10+23.25, 24.27' LT	43.56'	-
¾	R05 10+32.98, 17.78' LT	43.42'	-
PT	R05 10+44.45, 15.50' LT	43.36'	43.86'



CURB RAMP DETAIL 1 F1592-CGP303

5 2.5 0 5 10
SCALE IN FEET

SCALE: 1" 5

05/04/23 | 3:07 PM | JONC
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FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	04/17/2023	BSP	SGR	JGM	FINAL AS-BUILT

DESIGNED BY: B. PILON
DRAWN BY: M. VU
CHECKED BY: S. GUJULUVA RAJAN
APPROVED BY: J. MATTHEWS

kpff
SUBMITTED BY: SARA ROBERTS

HENSEL PHELPS Plan. Build. Manage. kpff
DATE: 04/17/2023
REVIEWED BY: GREG SHIMIZU

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT
DATE: 04/17/2023

SCALE: 1" = 5'
FILENAME: S317-F1592-CPD037
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 04/17/2023

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
CIVIL
CURB RAMP DETAILS

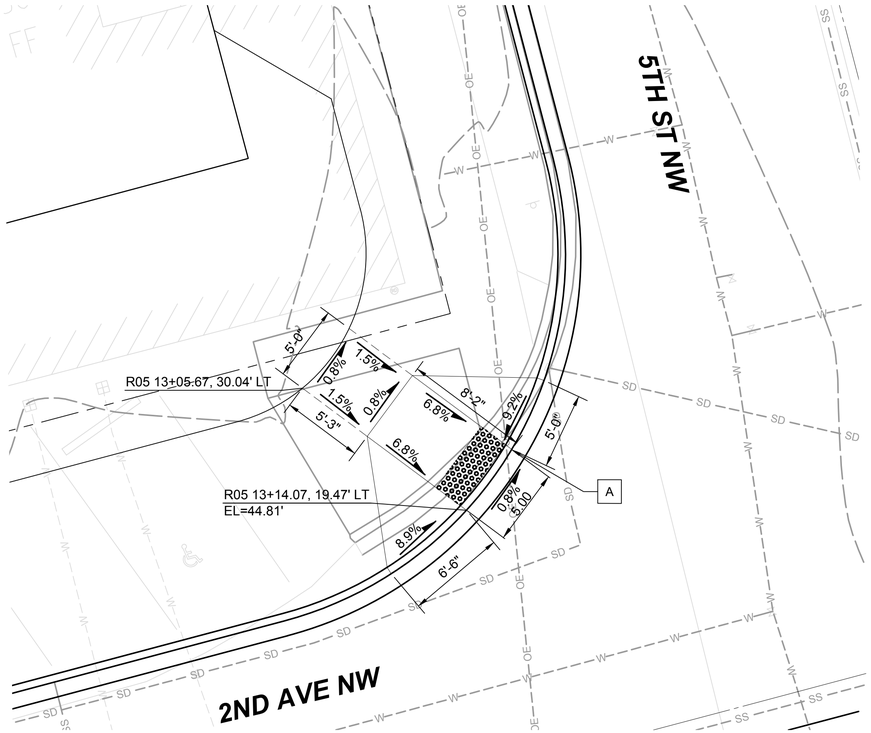
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FACILITY ID: F1592
SHEET No.: 47
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Xrefs:
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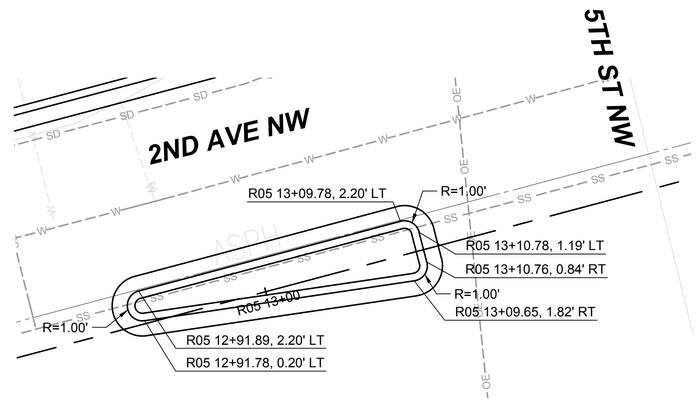
NOTES:

1. ELEVATIONS ARE MEASURED AT FLOW LINE OF CURB AND GUTTER UNLESS OTHERWISE NOTED.
2. HORIZONTAL CONTROL IS AT FACE OF CURB UNLESS OTHERWISE NOTED.
3. ALL CURBS ARE 6 INCHES TALL UNLESS OTHERWISE NOTED.

CURB RETURN TABLE [A]			
DELTA	**RADIUS**	**TANGENT**	**LENGTH**
89°48'39"	25.0'	24.91'	39.19'
POINT	**STA-OFFSET**	**FL EL**	**TC EL**
PC	R05 13+00.55, 15.50' LT	44.97'	45.47'
1/4	R05 13+10.10, 17.39' LT	44.87'	-
1/2	R05 13+18.20, 22.79' LT	44.77'	-
3/4	R05 13+23.62, 30.87' LT	44.68'	45.18'
PT	R05 13+25.55, 40.42' LT	44.59'	45.09'



CURB RAMP DETAIL 1 — F1592-CGP303



PAVING DETAIL 2 — F1592-CGP303
SCALE: 1" = 5'

5 2.5 0 5 10
SCALE IN FEET

05/04/23 | 3:07 PM | JONC
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FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	04/17/2023	BSP	SGR	JGM	FINAL AS-BUILT

DESIGNED BY: B. PILON
DRAWN BY: M. VU
CHECKED BY: S. GUJULUVA RAJAN
APPROVED BY: J. MATTHEWS

kpff
HENSEL PHELPS Plan. Build. Manage.
kpff

SUBMITTED BY: SARA ROBERTS
DATE: 04/17/2023
REVIEWED BY: GREG SHIMIZU
DATE: 04/17/2023

LINE IS 1" AT FULL SCALE

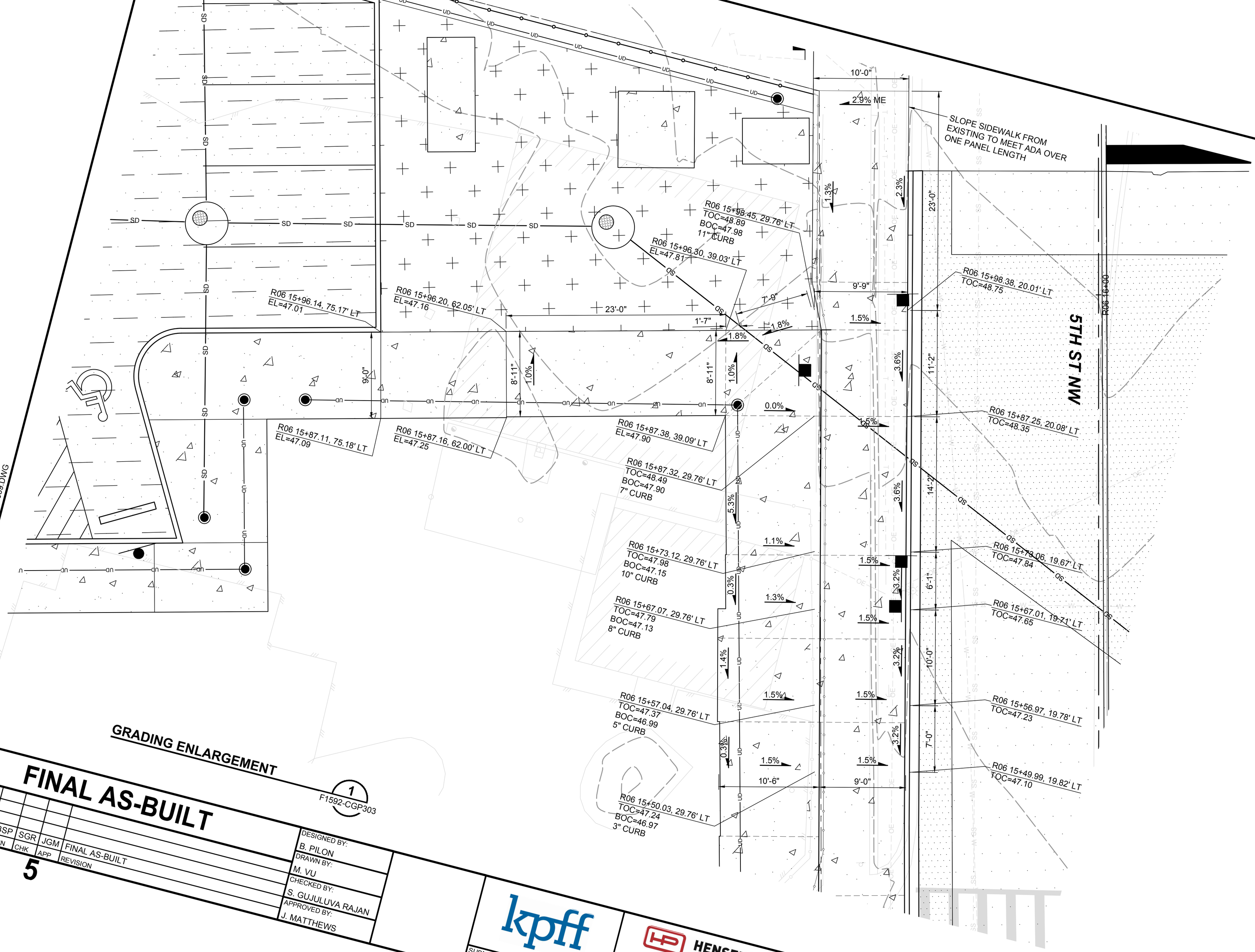
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CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 04/17/2023

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
CIVIL
CURB RAMP DETAILS

DRAWING No.: F1592-CPD038
FACILITY ID: F1592
SHEET No.: 48
REV: 0

SCALE: 1" 5



NOTES:

1. ELEVATIONS ARE MEASURED AT FLOW LINE CURB AND GUTTER UNLESS OTHERWISE NO
2. HORIZONTAL CONTROL IS AT FACE OF CURB UNLESS OTHERWISE NOTED.
3. ALL CURBS ARE 6 INCHES TALL UNLESS OTHERWISE NOTED.

GRADING ENLARGEMENT

1 F1592-CGP303

FINAL AS-BUILT

DATE	BY	CHK	APP	REVISION
04/17/2023	BSP	SGR	JGM	FINAL AS-BUILT

1" 5

DESIGNED BY: B. PILON
DRAWN BY: M. VU
CHECKED BY: S. GUJULUVA RAJAN
APPROVED BY: J. MATTHEWS

kpff

SUBMITTED BY: SARA ROBERTS
DATE: 04/17/2023

HENSEL PHELPS Plan. Build. Manage.
kpff
REVIEWED BY: GREG SHIMIZU

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT

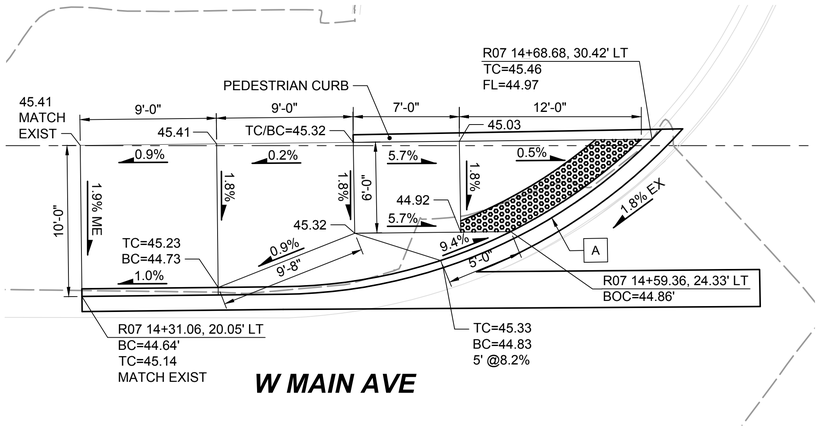
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PUYAL

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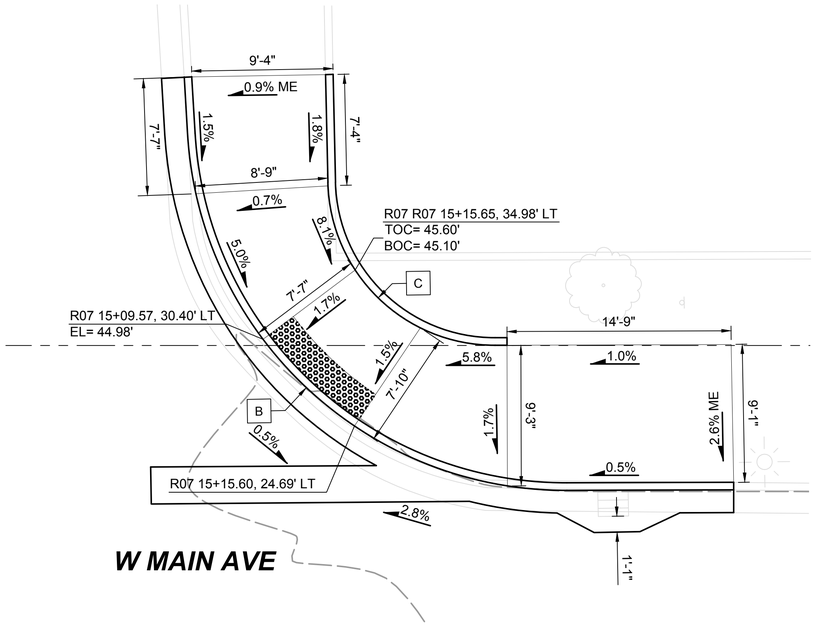
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Xrefs:
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xS317-F1592-VRX101
xS317-F1592-CSP101
xGB-TB22x34



CURB RAMP DETAIL 1

F1592-CRP307



CURB RAMP DETAIL 2

SCALE: 1" = 5'

F1592-CRP307

NOTES:

1. ELEVATIONS ARE MEASURED AT FLOW LINE OF CURB AND GUTTER UNLESS OTHERWISE NOTED.
2. HORIZONTAL CONTROL IS AT FACE OF CURB UNLESS OTHERWISE NOTED.
3. ALL CURBS ARE 6 INCHES TALL UNLESS OTHERWISE NOTED.

CURB RETURN TABLE A

DELTA	RADIUS	TANGENT	LENGTH
45°29'59"	35.00'	27.07'	27.79'
POINT	**STA-OFFSET**	**FL EL**	TC EL
PC	R07 14+44.33, 20.19' LT	44.73'	45.23'
1/4	R07 14+51.22, 20.95' LT	44.77'	45.27'
1/2	R07 14+57.83, 23.06' LT	44.79'	45.29'
3/4	R07 14+63.89, 26.43' LT	44.87'	44.87'
PT	R07 14+69.18, 30.93' LT	45.00'	45.50'

CURB RETURN TABLE B

DELTA	RADIUS	TANGENT	LENGTH
86°46'41"	25.00'	27.48'	30.29'
POINT	**STA-OFFSET**	**FL EL**	TC EL
PC	R07 15+04.86, 39.24' LT	45.46'	45.86'
1/4	R07 15+06.72, 31.94' LT	45.10'	45.20'
1/2	R07 15+11.13, 25.85' LT	44.98'	44.98'
3/4	R07 15+17.49, 21.82' LT	44.93'	45.03'
PT	R07 15+24.89, 20.42' LT	44.80'	45.30'

CURB RETURN TABLE C

DELTA	RADIUS	TANGENT	LENGTH
88°55'10"	11.00'	15.41'	17.07'
POINT	**STA-OFFSET**	**EL**	TC EL
PC	R07 15+13.85, 40.77' LT	45.64'	-
-	-	-	-
1/2	R07 15+17.17, 33.14' LT	45.57'	-
-	-	-	-
PT	R07 15+24.88, 30.01' LT	45.58'	-

5 2.5 0 5 10

SCALE IN FEET

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FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	04/17/2023	BSP	SGR	JGM	FINAL AS-BUILT

DESIGNED BY: B. PILON
DRAWN BY: M. VU
CHECKED BY: S. GUJULUVA RAJAN
APPROVED BY: J. MATTHEWS

kpff — SUBMITTED BY: SARA ROBERTS — DATE: 04/17/2023

HENSEL PHELPS Plan. Build. Manage. kpff — REVIEWED BY: GREG SHIMIZU — DATE: 04/17/2023

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT — SUBMITTAL DATE: 04/17/2023

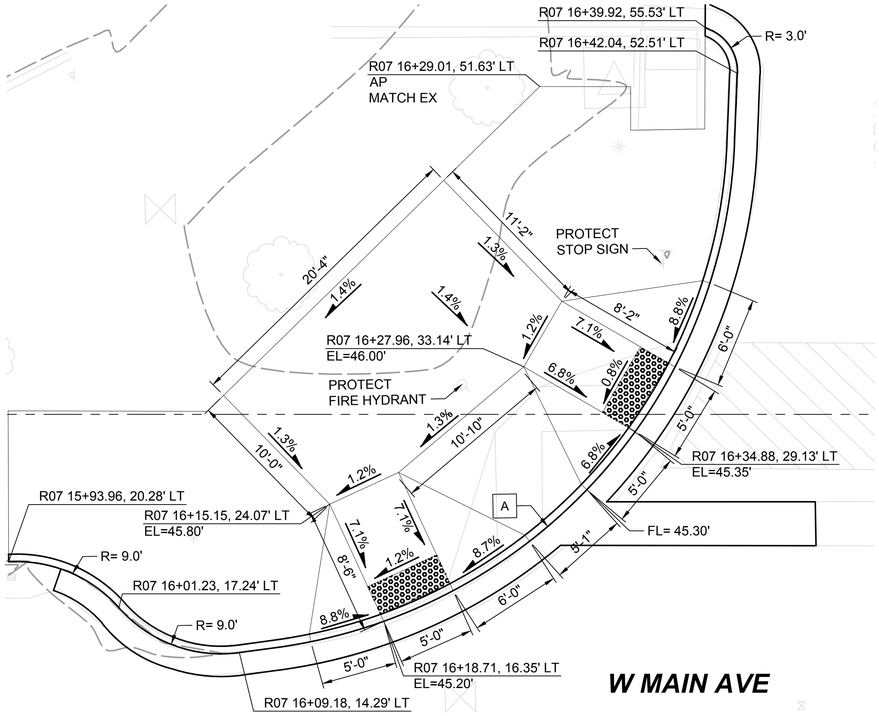
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CONTRACT No.: RTA/CN 0612-18

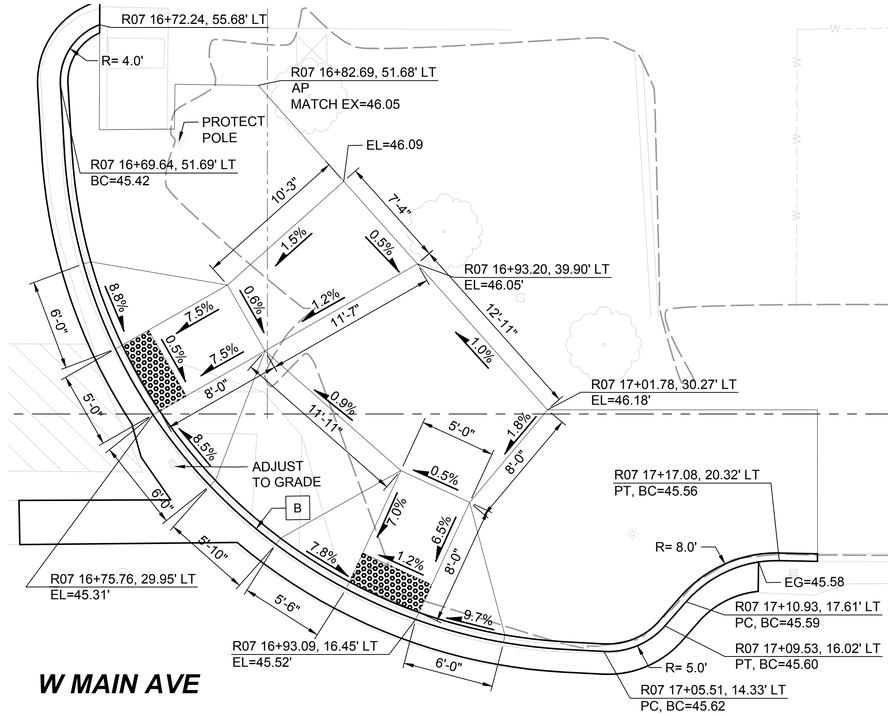
PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
CIVIL
CURB RAMP DETAILS

DRAWING No.: F1592-CPD131
FACILITY ID: F1592
SHEET No.: 50
REV: 0

SCALE: 1" 5

Xrefs:
xS317-F1592-CDP10
xS317-F1592-VRX10
xS317-F1592-CSP10
xGB-TB22x34





NOTES:

1. ELEVATIONS ARE MEASURED AT FLOW LINE OF CURB AND GUTTER UNLESS OTHERWISE NOTED.
2. HORIZONTAL CONTROL IS AT FACE OF CURB UNLESS OTHERWISE NOTED.
3. ALL CURBS ARE 6 INCHES TALL UNLESS OTHERWISE NOTED.

CURB RETURN TABLE A

DELTA	RADIUS	TANGENT	LENGTH
79°58'37"	35.00'	29.37'	48.86'
POINT	**STA-OFFSET**	**FL EL**	TC EL
PC	R07 16+11.58, 14.61' LT	45.14'	46.04'
1/4	R07 16+23.16, 18.31' LT	45.26'	-
1/2	R07 16+32.77, 25.74' LT	45.32'	-
3/4	R07 16+39.27, 36.01' LT	45.42'	45.26'
PT	R07 16+41.86, 47.88' LT	45.54'	45.64'

CURB RETURN TABLE B

DELTA	RADIUS	TANGENT	LENGTH
83°26'52"	35.00'	31.21'	50.98'
POINT	**STA-OFFSET**	**FL EL**	TC EL
PC	R07 16+69.91, 47.30' LT	45.40'	45.90'
1/4	R07 16+72.95, 35.00' LT	45.34'	45.41'
1/2	R07 16+80.17, 24.59' LT	45.33'	45.83'
3/4	R07 16+90.63, 17.43' LT	45.48'	-
PT	R07 16+02.96, 14.47' LT	45.63'	46.13'

CURB RAMP DETAIL 1 — F1592-CRP307

CURB RAMP DETAIL 2 — F1592-CRP307
SCALE: 1" = 5'

5 2.5 0 5 10
SCALE IN FEET

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	04/17/2023	BSP	SGR	JGM	FINAL AS-BUILT

DESIGNED BY: B. PILON
DRAWN BY: M. VU
CHECKED BY: S. GUJULUVA RAJAN
APPROVED BY: J. MATTHEWS

kpff
HENSEL PHELPS Plan. Build. Manage.
kpff
LINE IS 1" AT FULL SCALE
SOUNDTRANSIT

SUBMITTED BY: SARA ROBERTS
DATE: 04/17/2023
REVIEWED BY: GREG SHIMIZU
DATE: 04/17/2023

SCALE: 1" = 5'
FILENAME: S317-F1592-CPD132
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 04/17/2023

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
CIVIL
CURB RAMP DETAILS

DRAWING No.: F1592-CPD132
FACILITY ID: F1592
SHEET No.: 51
REV: 0

05/04/23 | 3:08 PM | JONC
Z:\1900001-1900999\1900096 ST PUYALLUP DB GARAGE\CADD\DESIGN\S317-F1592-CPD132.DWG

SCALE: 1" 5

Xrefs:
xS317-F1592-CDP10
xS317-F1592-VRX10
xS317-F1592-CSP10
xGB-TB22x34
xS317-F1592-CLP10
xS317-F1592-UWP10
xS317-F1592-TSP10

NOTES:

1. ELEVATIONS ARE MEASURED AT FLOW LINE OF CURB AND GUTTER UNLESS OTHERWISE NOTED.
2. HORIZONTAL CONTROL IS AT FACE OF CURB UNLESS OTHERWISE NOTED.
3. ALL CURBS ARE 6 INCHES TALL UNLESS OTHERWISE NOTED.

CONSTRUCTION NOTES:

(24) CONST 2" POLY WATER SERVICE

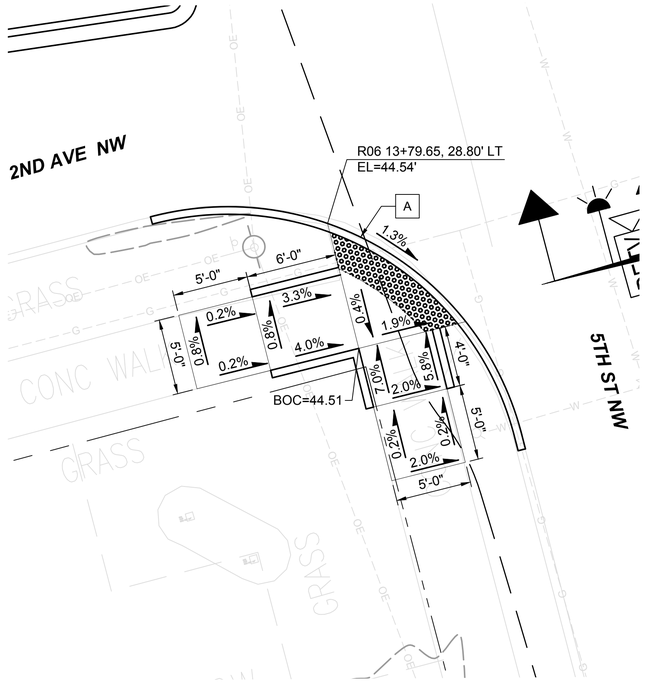
(25) RELOCATE DETECTOR CHECK VALVE ASSEMBLY

(26) RELOCATE WATER METER

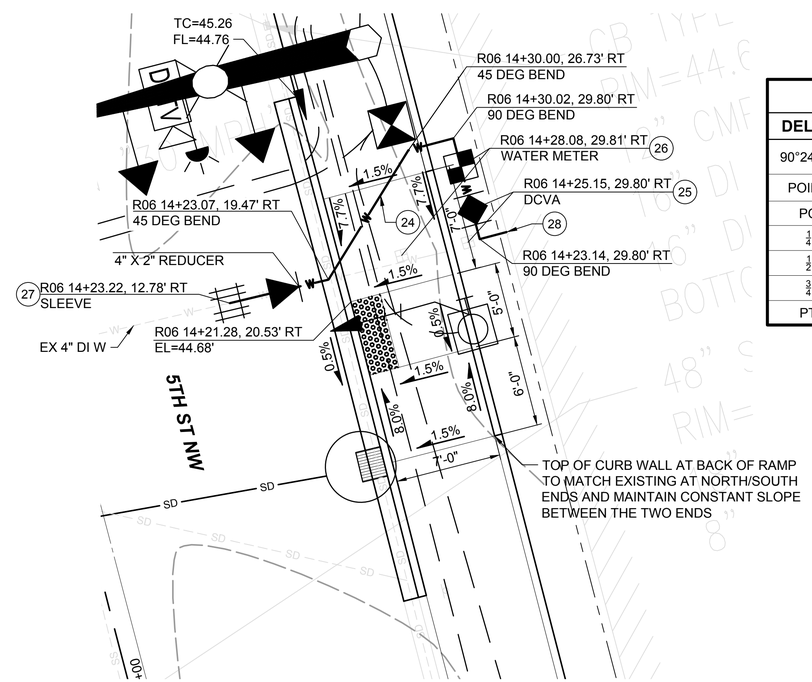
(27) CONNECT TO EX 4" DI WATER LINE

(28) CONNECT TO EX 2" WATER LINE

CURB RETURN TABLE [A]			
DELTA	**RADIUS**	**TANGENT**	**LENGTH**
90°24'13"	20.00'	28.38'	31.55'
POINT	**STA-OFFSET**	**FL EL**	TC EL
PC	2ND 13+05.02, 14.50' RT	44.54'	45.04'
1/4	2ND 13+12.70, 16.05' RT	44.56'	45.06'
1/2	2ND 13+19.20, 20.42' RT	44.50'	45.00'
3/4	2ND 13+23.55, 26.97' RT	44.38'	44.88'
PT	2ND 13+25.00, 34.65' RT	44.28'	44.78'



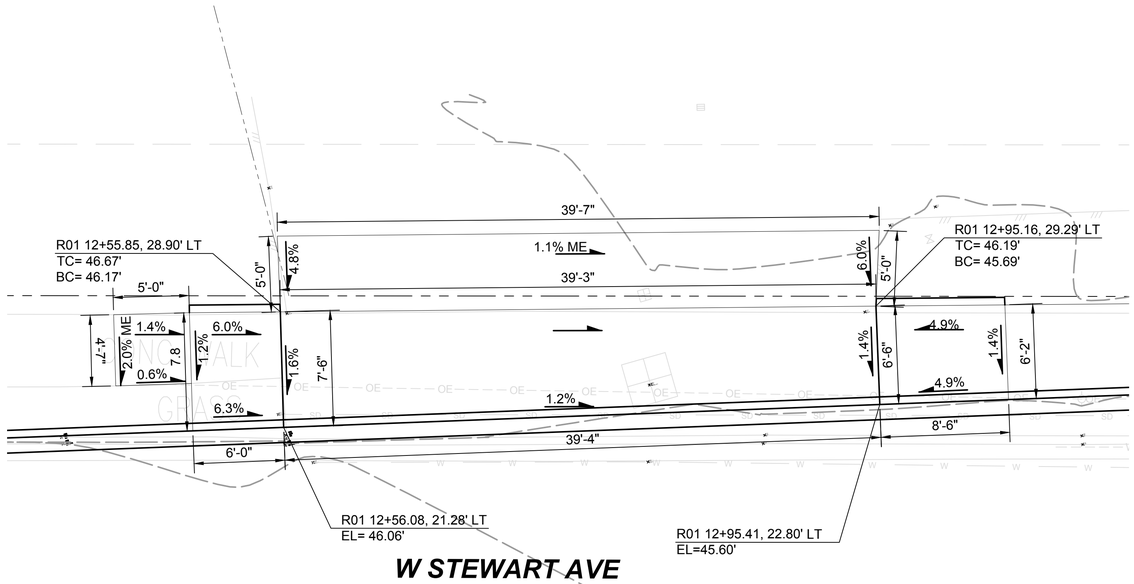
CURB RAMP DETAIL 1 — F1592-CGP303


TC=45.26
FL=44.76
R06 14+30.00, 26.73' RT
45 DEG BEND
R06 14+30.02, 29.80' RT
90 DEG BEND
R06 14+28.08, 29.81' RT
WATER METER
26
R06 14+25.15, 29.80' RT
DCVA
25
R06 14+23.07, 19.47' RT
45 DEG BEND
24
28
4" X 2" REDUCER
R06 14+23.14, 29.80' RT
90 DEG BEND
27
R06 14+23.22, 12.78' RT
SLEEVE
EX 4" DI W
R06 14+21.28, 20.53' RT
EL=44.68'
1.5%
7.7%
4.0%
1.5%
0.5%
5'-0"
0.5%
1.5%
8.0%
8.0%
6'-0"
1.5%
7'-0"
5TH ST NW
TOP OF CURB WALL AT BACK OF RAMP TO MATCH EXISTING AT NORTH/SOUTH ENDS AND MAINTAIN CONSTANT SLOPE BETWEEN THE TWO ENDS
SD
SD
SD

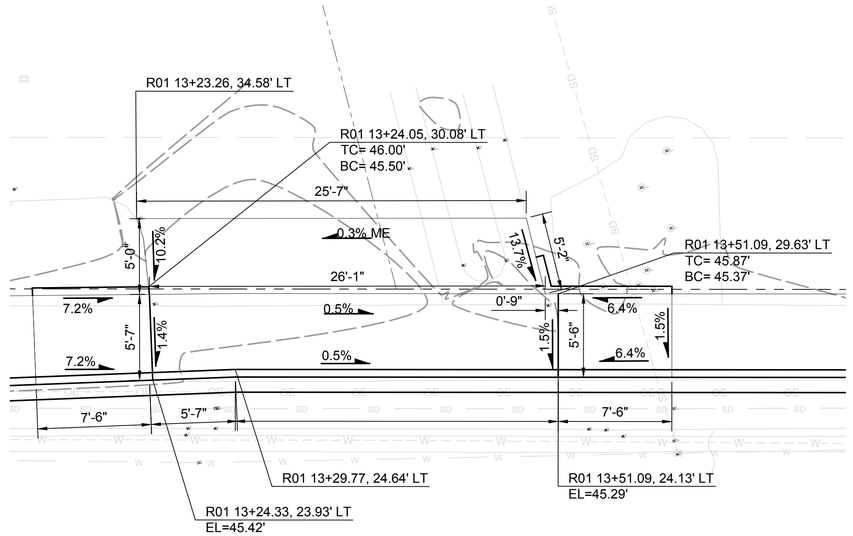
Xrefs:
xS317-F1592-VRX100
xS317-F1592-CSP104
xGB-TB22x34

NOTES:

1. ELEVATIONS ARE MEASURED AT FLOW LINE OF CURB AND GUTTER UNLESS OTHERWISE NOTED.
2. HORIZONTAL CONTROL IS AT FACE OF CURB UNLESS OTHERWISE NOTED.
3. ALL CURBS ARE 6 INCHES TALL UNLESS OTHERWISE NOTED.



DRIVEWAY DETAIL 1 F1592-CGP301



DRIVEWAY DETAIL 2 F1592-CGP301
SCALE: 1" = 5'

5 2.5 0 5 10
SCALE IN FEET

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	04/17/2023	BSP	SGR	JGM	FINAL AS-BUILT

DESIGNED BY: B. PILON
DRAWN BY: M. VU
CHECKED BY: S. GUJULUVA RAJAN
APPROVED BY: J. MATTHEWS

kpff
HENSEL PHELPS Plan. Build. Manage.
kpff
LINE IS 1" AT FULL SCALE
SOUNDTRANSIT

SUBMITTED BY:	DATE:	REVIEWED BY:	DATE:
SARA ROBERTS	04/17/2023	GREG SHIMIZU	04/17/2023

SCALE: 1" = 5'
FILENAME: S317-F1592-CPD134
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 04/17/2023

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
CIVIL
CURB RAMP DETAILS

DRAWING No.: F1592-CPD134
FACILITY ID: F1592
SHEET No.: 53
REV: 0

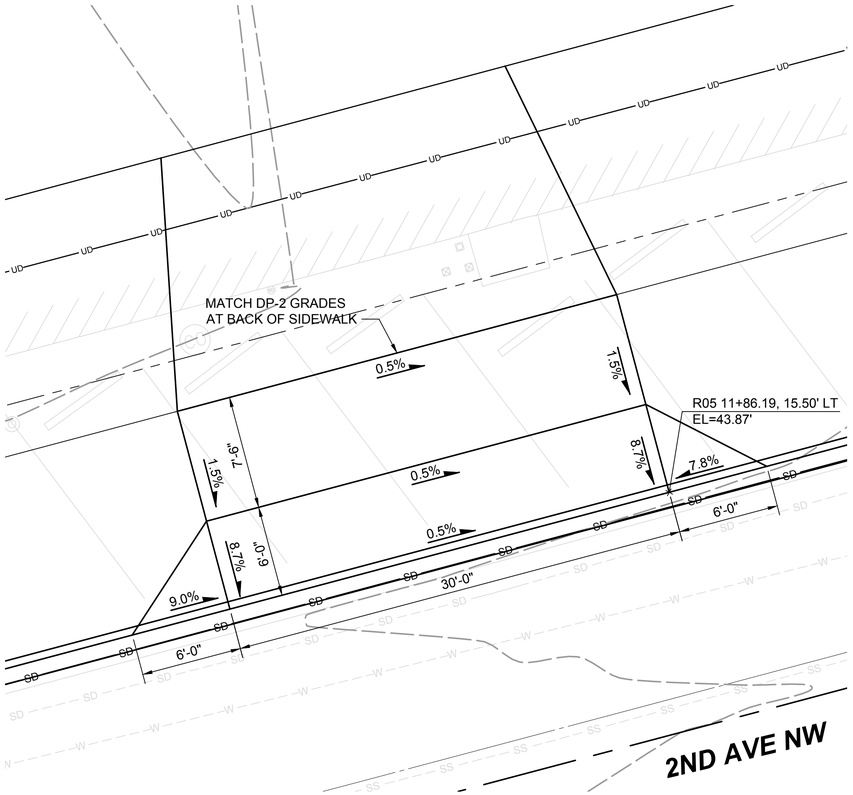
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SCALE: 1" 5

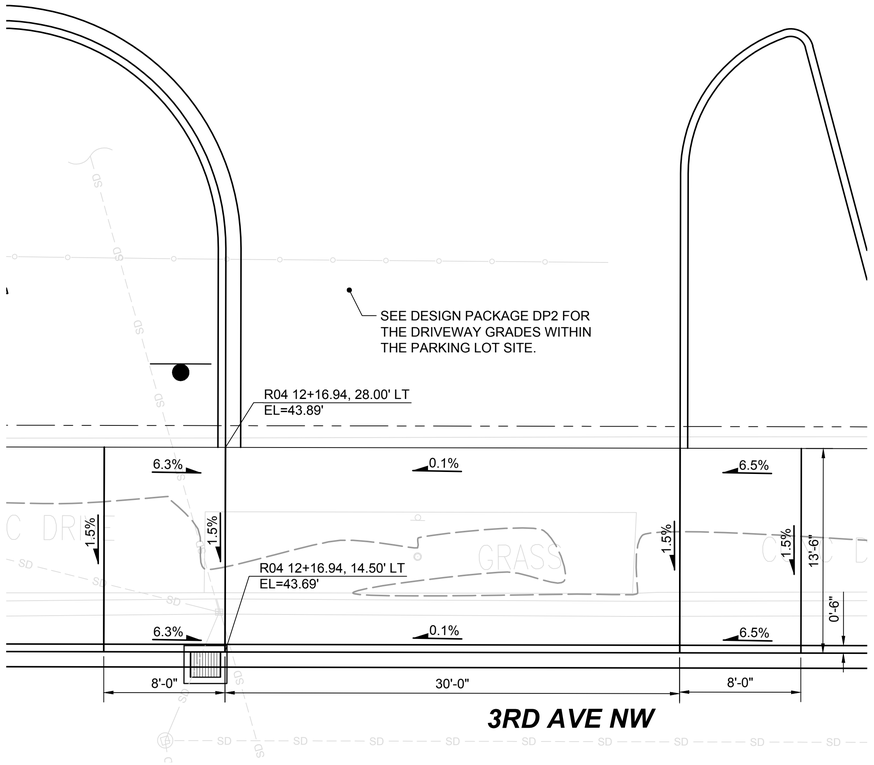
Xrefs:
xS317-F1592-CDP10
xS317-F1592-VRX10
xS317-F1592-CSP10
xGB-TB22x34

NOTES:

1. ELEVATIONS ARE MEASURED AT FLOW LINE OF CURB AND GUTTER UNLESS OTHERWISE NOTED.
2. HORIZONTAL CONTROL IS AT FACE OF CURB UNLESS OTHERWISE NOTED.
3. ALL CURBS ARE 6 INCHES TALL UNLESS OTHERWISE NOTED.



DRIVEWAY DETAIL 1
F1592-CGP303



DRIVEWAY DETAIL 2
SCALE: 1" = 5'
F1592-CGP302

5 2.5 0 5 10
SCALE IN FEET

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FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	04/17/2023	BSP	SGR	JGM	FINAL AS-BUILT

DESIGNED BY: B. PILON
DRAWN BY: M. VU
CHECKED BY: S. GUJULUVA RAJAN
APPROVED BY: J. MATTHEWS

kpff
HENSEL PHELPS Plan. Build. Manage.
kpff
LINE IS 1" AT FULL SCALE
SOUNDTRANSIT

SUBMITTED BY: SARA ROBERTS
DATE: 04/17/2023
REVIEWED BY: GREG SHIMIZU
DATE: 04/17/2023
SUBMITTAL DATE: 04/17/2023

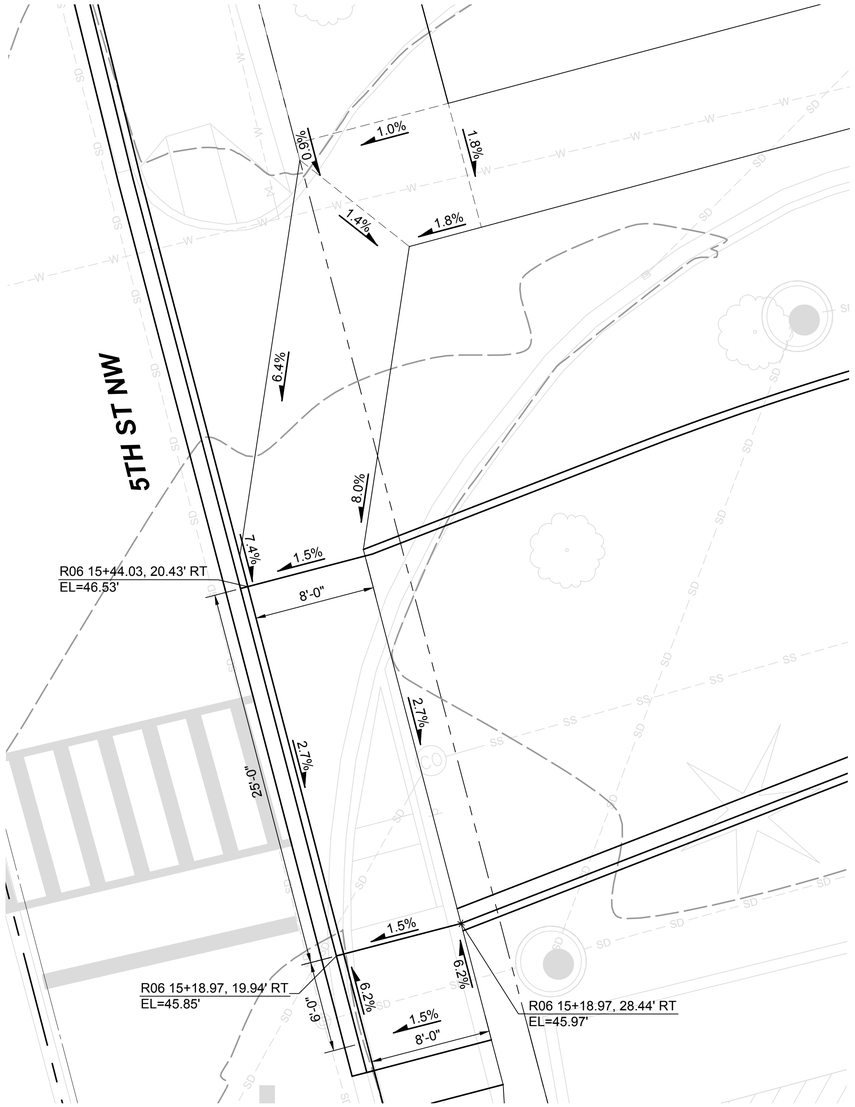
SCALE: 1" = 5'
FILENAME: S317-F1592-CPD135
CONTRACT No.: RTA/CN 0612-18

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
CIVIL
CURB RAMP DETAILS

DRAWING No.: F1592-CPD135
FACILITY ID: F1592
SHEET No.: 54
REV: 0

SCALE: 1" 5

Xrefs:
xS317-F1592-VRX100
xS317-F1592-CSP100
xGB-TB22x34



DRIVEWAY AND RAMP DETAIL 1 — F1592-CGP303

NOTES:

1. ELEVATIONS ARE MEASURED AT FLOW LINE OF CURB AND GUTTER UNLESS OTHERWISE NOTED.
2. HORIZONTAL CONTROL IS AT FACE OF CURB UNLESS OTHERWISE NOTED.
3. ALL CURBS ARE 6 INCHES TALL UNLESS OTHERWISE NOTED.

5 2.5 0 5 10
SCALE IN FEET

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FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	04/17/2023	BSP	SGR	JGM	FINAL AS-BUILT

DESIGNED BY: B. PILON
DRAWN BY: M. VU
CHECKED BY: S. GUJULUVA RAJAN
APPROVED BY: J. MATTHEWS

kpff
SUBMITTED BY: SARA ROBERTS
DATE: 04/17/2023

HENSEL PHELPS Plan. Build. Manage.
kpff
REVIEWED BY: GREG SHIMIZU
DATE: 04/17/2023

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT
SUBMITTAL DATE: 04/17/2023

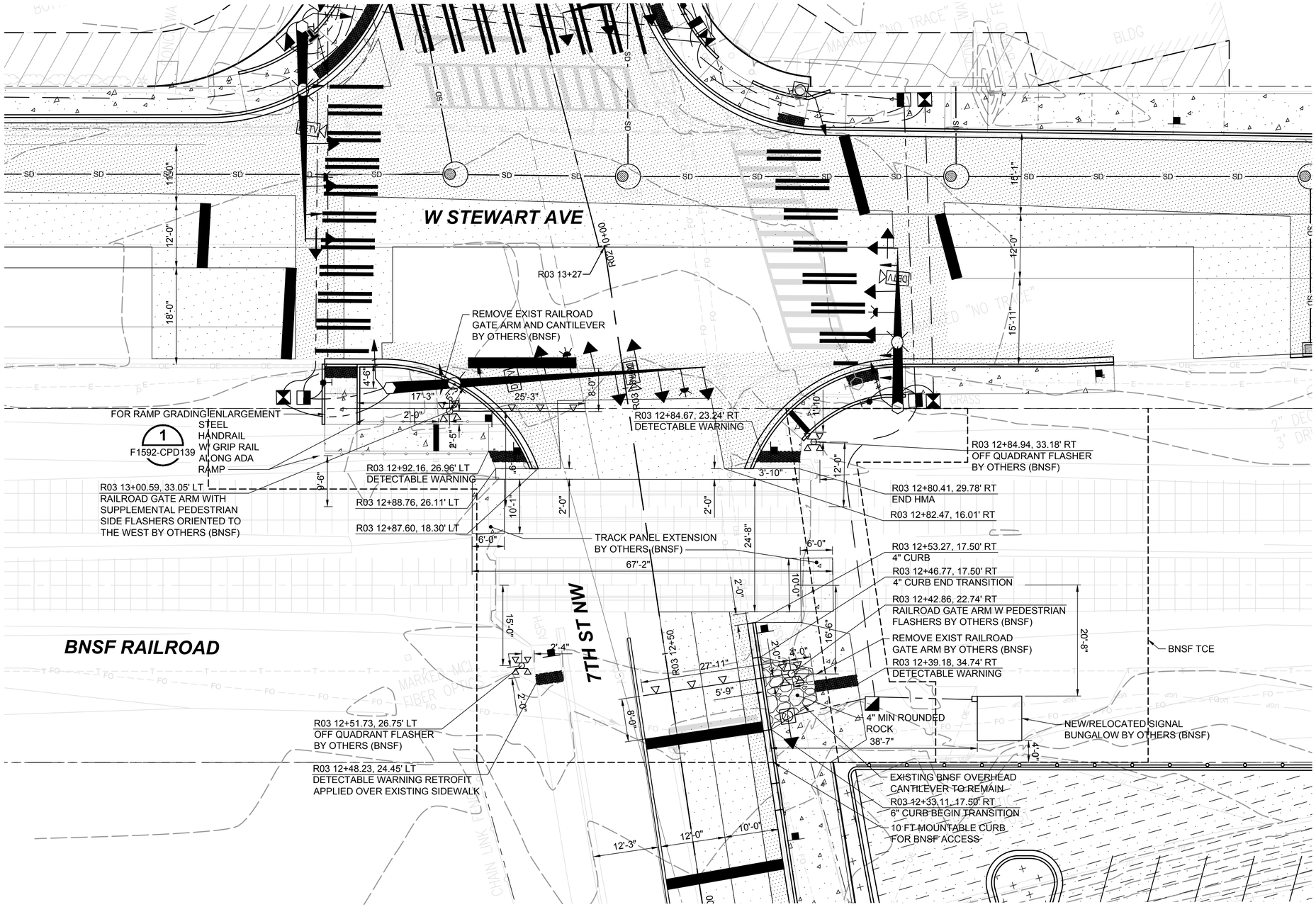
SCALE: 1" = 5'
FILENAME: S317-F1592-CPD136
CONTRACT No.: RTA/CN 0612-18

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
CIVIL
CURB RAMP DETAILS

DRAWING No.: F1592-CPD136
FACILITY ID: F1592
SHEET No.: 55
REV: 0

SCALE: 1" 5

Xrefs:
xS317-F1592-CDP10
xS317-F1592-VRX10
xS317-F1592-CSP10
xGB-TB22x34
xS317-F1592-CMP10
xS317-F1592-CLP10
xS317-F1592-RPP10
xS317-F1592-TSP10
xS317-F1592-UCP10
xS317-F1592-CPP10



NOTES:

1. FOR HORIZONTAL CONTROL OF PAVEMENT, CURBS AND SIDEWALKS, SEE DRAWINGS F1592-CRP301 THROUGH F1592-CRP308.
2. FOR PAVEMENT MARKINGS AND SIGNAGE, SEE DRAWINGS F1592-CMP301 THROUGH F1592-CMP308, F1592-CMS301, AND F1592-CMS302.
3. FOR TRAFFIC SIGNAL AND ASSOCIATED EQUIPMENT INSTALLATION, SEE DRAWINGS F1592-TSP301 THROUGH F1592-TSP308.
4. FOR CURB RETURN GRADING ENLARGEMENTS, SEE DRAWINGS F1592-CPD031 THROUGH F1592-CPD038, AND F1592-CPD131 THROUGH F1592 CPD138.
5. CONTACT BNSF PRIOR TO ANY WORK WITHIN BNSF RIGHT-OF-WAY OR ANY WORK AFFECTING GRADE CROSSING OPERATIONS.
6. CONTACT BNSF VIA 1-800-533-2891 TO LOCATE ALL UTILITY LOCATIONS PRIOR TO ANY DIGGING WORK.
7. 5TH ST DOT #085699A, SEATTLE SUBDIVISION.
   7TH ST DOT #085700S, SEATTLE SUBDIVISION.

7TH STREET RAILROAD CROSSING ENLARGEMENT

1
F1592-CGP301
F1592-CGP302

10 5 0 10 20
SCALE IN FEET

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FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	04/17/2023	BSP	JGM	JGM	FINAL AS-BUILT

DESIGNED BY: B. PILON
DRAWN BY: M. VU
CHECKED BY: J. MATTHEWS
APPROVED BY: J. MATTHEWS

kpff
HENSEL PHELPS Plan. Build. Manage.
kpff
SOUNDTRANSIT

SUBMITTED BY: SARA ROBERTS
DATE: 04/17/2023
REVIEWED BY: GREG SHIMIZU
DATE: 04/17/2023

LINE IS 1" AT FULL SCALE

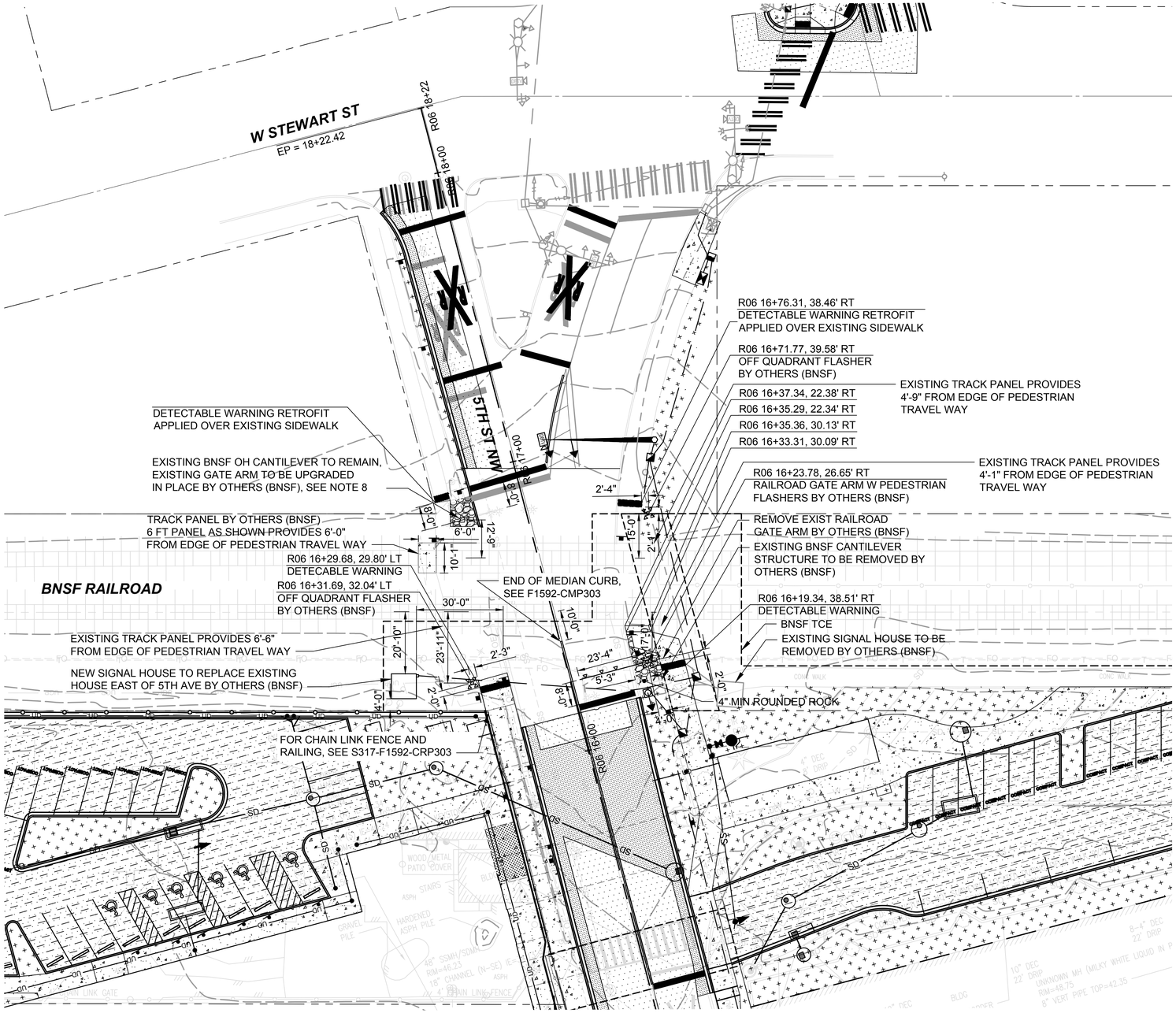
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FILENAME: S317-F1592-CPD137
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 04/17/2023

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
CIVIL
RAILROAD CROSSING ENLARGEMENT

DRAWING No.: F1592-CPD137
FACILITY ID: F1592
SHEET No.: 56
REV: 0

SCALE: 1" 10

Xrefs:
xS317-F1592-CDP10
xS317-F1592-VRX10
xS317-F1592-CSP10
xS317-F1592-CPP10
xGB-TB22x34
xS317-F1592-CMP10
xS317-F1592-CLP10
xS317-F1592-RPP10
xS317-F1592-TSP10
xS317-F1592-UCP10



5TH ST RAILROAD CROSSING ENLARGEMENT 1 F1592-CGP303

NOTES:

1. FOR HORIZONTAL CONTROL OF PAVEMENT, CURBS AND SIDEWALKS, SEE DRAWINGS F1592-CRP301 THROUGH F1592-CRP308.
2. FOR PAVEMENT MARKINGS AND SIGNAGE, SEE DRAWINGS F1592-CMP301 THROUGH F1592-CMP308, F1592-CMS301, AND F1592-CMS302.
3. FOR TRAFFIC SIGNAL AND ASSOCIATED EQUIPMENT INSTALLATION, SEE DRAWINGS F1592-TSP301 THROUGH F1592-TSP308.
4. FOR CURB RETURN GRADING ENLARGEMENTS, SEE DRAWINGS F1592-CPD031 THROUGH F1592-CPD038, AND F1592-CPD131 THROUGH F1592 CPD138.
5. CONTACT BNSF PRIOR TO ANY WORK WITHIN BNSF RIGHT-OF-WAY OR ANY WORK AFFECTING GRADE CROSSING OPERATIONS.
6. CONTACT BNSF VIA 1-800-533-2891 TO LOCATE ALL UTILITY LOCATIONS PRIOR TO ANY DIGGING WORK.
7. 5TH ST DOT #085699A, SEATTLE SUBDIVISION
   7TH ST DOT #085700S, SEATTLE SUBDIVISION
8. SOUND TRANSIT TO COORDINATE WITH THE CITY ON RELOCATION OF CURB TO PROVIDE STANDARD MUTCD AND BNSF OFFSETS FOR RR GATE AND RR CANTILEVER CLEARANCE. IF THE CURB RELOCATION IS NOT ACCEPTED BY THE CITY, BNSF SHALL RELOCATE BOTH THE RR GATE AND RR CANTILEVER TO MEET THESE STANDARDS AT THE AGENCY'S EXPENSE.

20 10 0 20 40
SCALE IN FEET

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	04/17/2023	BSP	JGM	JGM	FINAL AS-BUILT

DESIGNED BY: B. PILON
DRAWN BY: M. VU
CHECKED BY: J. MATTHEWS
APPROVED BY: J. MATTHEWS

kpff
HENSEL PHELPS Plan. Build. Manage.
kpff
LINE IS 1" AT FULL SCALE
SOUNDTRANSIT

SUBMITTED BY:	DATE:	REVIEWED BY:	DATE:
SARA ROBERTS	04/17/2023	GREG SHIMIZU	04/17/2023

SCALE: 1" = 20'
FILENAME: S317-F1592-CPD138
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 04/17/2023

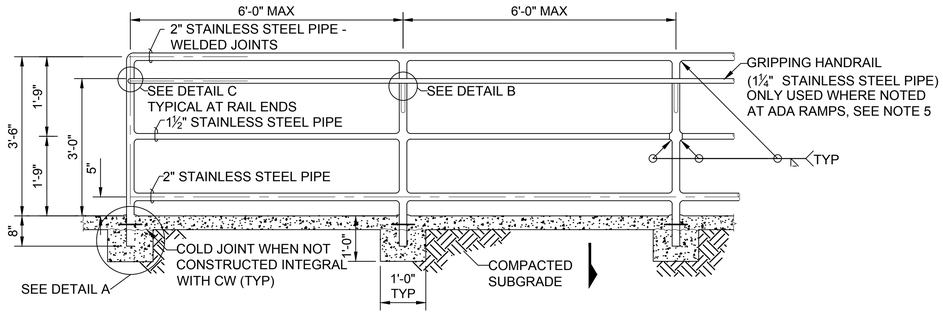
PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
CIVIL
RAILROAD CROSSING ENLARGEMENT

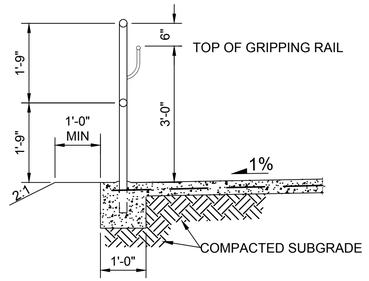
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FACILITY ID: F1592
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REV: 0

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SCALE: 1" 20

Xrefs:
xGB-TB22x34

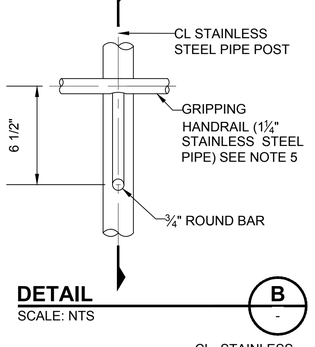




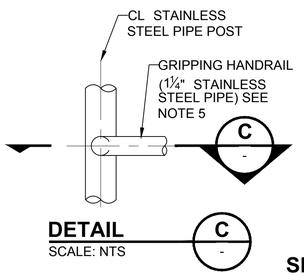
NOTES:

1. RAILING MUST BE STAINLESS STEEL.
2. ALL POSTS MUST BE PLUMB AND RAILS PARALLEL TO THE GROUND.
3. PIPE MATERIAL MUST CONFORM TO ASTM A 312.
4. REINFORCING STEEL ASTM A 706 GR 60.
5. GRIPPING HANDRAILS ON RAMPS MUST EXTEND HORIZONTALLY A MINIMUM OF 12" BEYOND TOP AND BOTTOM OF RAMP RUNS. HANDRAILS ONLY LOCATED AT ADA RAMPS. NO GRIPPING HANDRAIL LOCATED ALONG 5TH AVE RAILING.
6. PIPE DIAMETERS SHOWN CORRESPOND TO PIPE "SHAPE" AS DEFINED IN AMERICAN INSTITUTE OF STEEL CONSTRUCTION MANUAL.

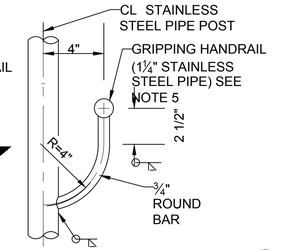
SECTION A
SCALE: NTS



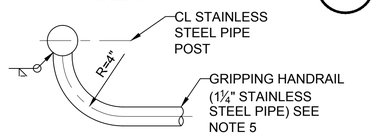
DETAIL B
SCALE: NTS



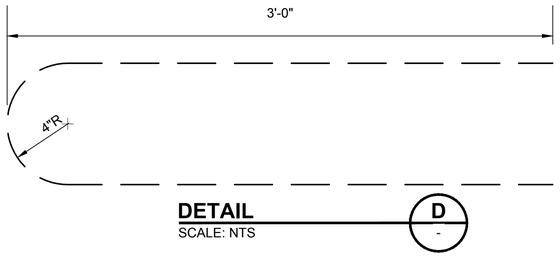
DETAIL C
SCALE: NTS



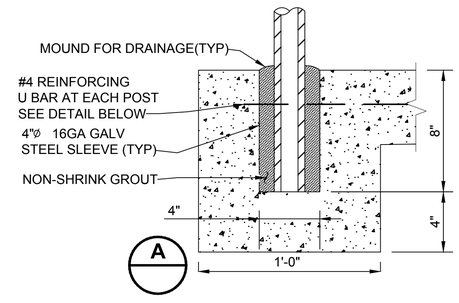
SECTION B
SCALE: NTS



SECTION C
SCALE: NTS



DETAIL D
SCALE: NTS



HANDRAIL DETAIL 1
SCALE: NTS
F1592-CRY031

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	04/17/2023	BSP	JGM	JGM	FINAL AS-BUILT

DESIGNED BY: B. PILON
DRAWN BY: M. VU
CHECKED BY: J. MATTHEWS
APPROVED BY: J. MATTHEWS

kpff
HENSEL PHELPS Plan. Build. Manage.
kpff
LINE IS 1" AT FULL SCALE
SOUNDTRANSIT

SUBMITTED BY: SARA ROBERTS
DATE: 04/17/2023
REVIEWED BY: GREG SHIMIZU
DATE: 04/17/2023

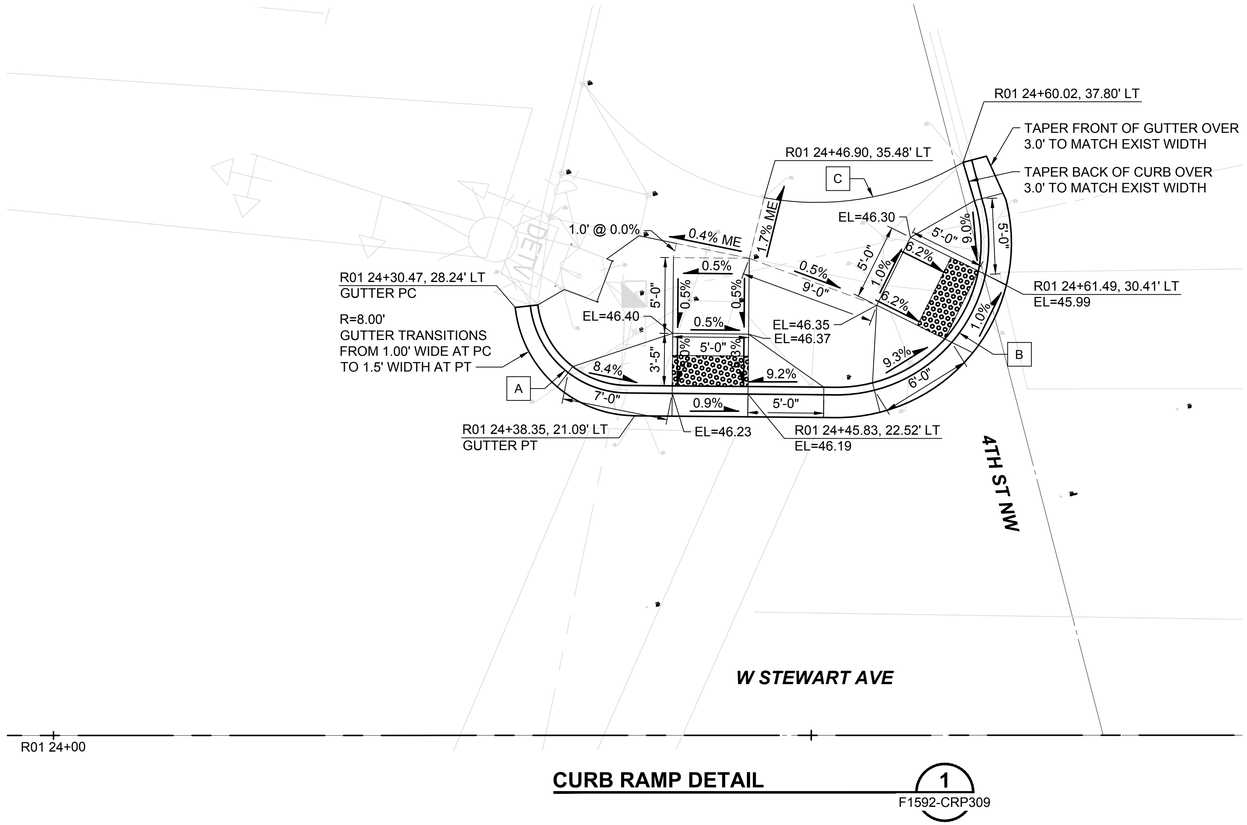
SCALE: NTS
FILENAME: S317-F1592-CPD139
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 04/17/2023

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
CIVIL
PAVING DETAILS

DRAWING No.: F1592-CPD139
FACILITY ID: F1592
SHEET No.: 58
REV: 0

05/04/23 | 3:10 PM | JONC
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Xrefs:
xS317-F1592-CDP10
xS317-F1592-VRX10
xS317-F1592-CSP10
xGB-TB22x34
xS317-F1592-CLP10
xS317-F1592-VRX-4
xS317-F1592-TSP10



CURB RAMP DETAIL 1 — F1592-CRP309

NOTES:

1. ELEVATIONS ARE MEASURED AT FLOW LINE OF CURB AND GUTTER UNLESS OTHERWISE NOTED.
2. HORIZONTAL CONTROL IS AT FACE OF CURB UNLESS OTHERWISE NOTED.
3. ALL CURBS ARE 6 INCHES TALL UNLESS OTHERWISE NOTED.

CURB RETURN TABLE A			
DELTA	**RADIUS**	**TANGENT**	**LENGTH**
82°55'23"	6.50'	5.74'	9.41'
POINT	**STA-OFFSET**	**FL EL**	TC EL
PC	STEW 24+31.47, 28.34' LT	46.39'	46.85'
1/4	STEW 24+32.14, 26.11' LT	46.36'	46.86'
1/2	STEW 24+33.57, 24.26' LT	46.33'	46.83'
3/4	STEW 24+35.56, 23.03' LT	46.29'	46.67'
PT	STEW 24+37.86, 22.59' LT	46.26'	46.47'

CURB RETURN TABLE B			
DELTA	**RADIUS**	**TANGENT**	**LENGTH**
105°15'02"	10.00'	13.09'	18.37'
POINT	**STA-OFFSET**	**FL EL**	TC EL
PC	STEW 24+51.61, 22.46' LT	46.13'	46.63'
1/4	STEW 24+56.05, 23.46' LT	46.08'	46.41'
1/2	STEW 24+59.59, 26.32' LT	46.03'	46.03
3/4	STEW 24+61.50, 30.45' LT	45.98'	45.99'
PT	STEW 24+61.38, 35.00' LT	45.93'	46.40'

CURB RETURN TABLE C			
DELTA	**RADIUS**	**TANGENT**	**LENGTH**
41°02'43"	19.00'	13.32'	13.61'
POINT	**STA-OFFSET**	**FL EL**	TC EL
PC	STEW 24+49.60, 35.48' LT	46.32'	
1/4			
1/2	STEW 24+53.67, 35.45' LT	46.34'	
3/4			
PT	STEW 24+60.02, 37.80' LT	46.36'	

5 2.5 0 5 10
SCALE IN FEET

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	04/17/2023	BSP	SGR	JGM	FINAL AS-BUILT

DESIGNED BY: B. PILON
DRAWN BY: M. VU
CHECKED BY: S. GUJULUVA RAJAN
APPROVED BY: J. MATTHEWS

kpff
SUBMITTED BY: SARA ROBERTS
DATE: 04/17/2023

HENSEL PHELPS Plan. Build. Manage. kpff
REVIEWED BY: GREG SHIMIZU
DATE: 04/17/2023

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT
SCALE: 1" = 5'
FILENAME: S317-F1592-CPD140
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 04/17/2023

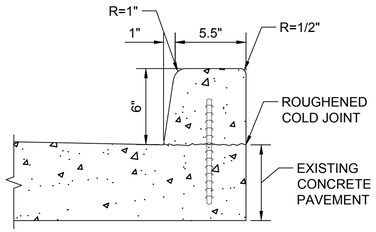
PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
CIVIL
CURB RAMP DETAILS

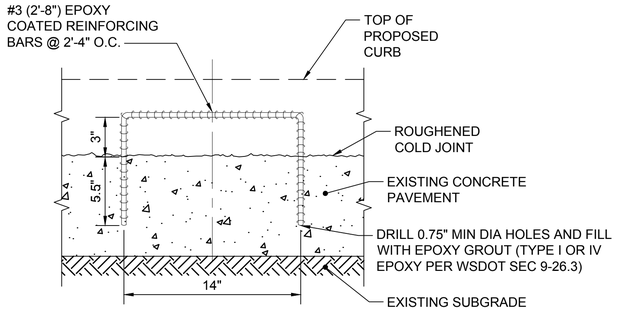
DRAWING No.: F1592-CPD140
FACILITY ID: F1592
SHEET No.: 59
REV: 0

05/04/23 | 3:10 PM | JONC
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SCALE: 1" 5

Xrefs:
xGB-TB22x34





INTEGRAL CURB DETAIL (1) F1592-CRP309
SCALE: NTS

05/04/23 | 3:11 PM | JONC
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FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	BSP	JGM	JGM	FINAL AS-BUILT

DESIGNED BY: B. PILON
DRAWN BY: M. VU
CHECKED BY: J. MATTHEWS
APPROVED BY: J. MATTHEWS

kpff
SUBMITTED BY: SARA ROBERTS
DATE: 04/17/2023

HENSEL PHELPS
Plan. Build. Manage.
kpff
REVIEWED BY: GREG SHIMIZU
DATE: 04/17/2023

LINE IS 1" AT FULL SCALE

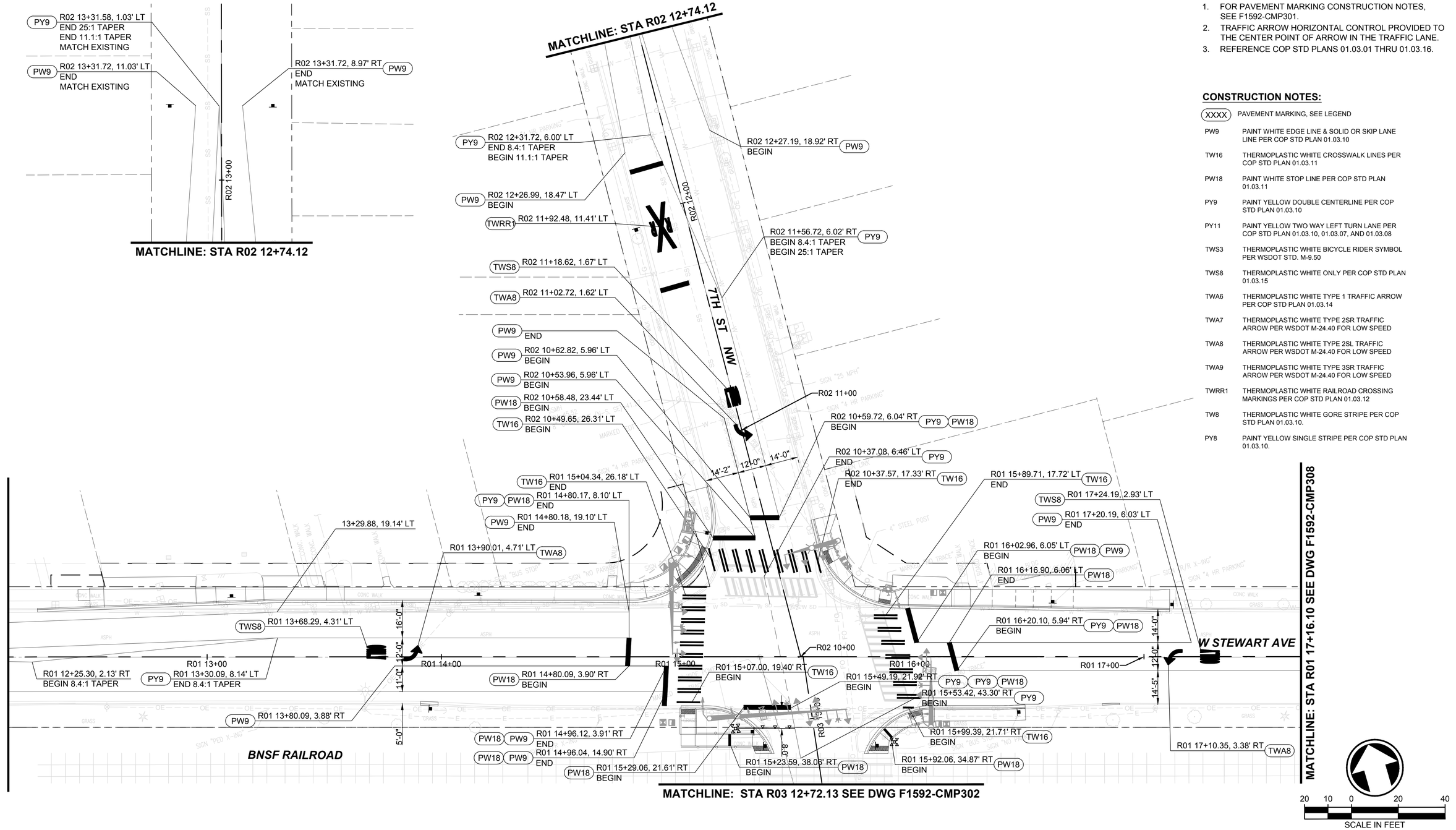
SOUNDTRANSIT
SCALE: NTS
FILENAME: S317-F1592-CPD141
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 04/17/2023

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS

CIVIL
PAVING DETAILS

DRAWING No.: F1592-CPD141
FACILITY ID: F1592
SHEET No.: 60
REV: 0

Xrefs:
xS317-F1592-RPP100
xS317-F1592-VRX100
xS317-F1592-CSP100
xS317-F1592-CMP100
xGB-TB22x34
xS317-F1592-CLP100
xS317-F1592-TSP100



GENERAL NOTES:

1. FOR PAVEMENT MARKING CONSTRUCTION NOTES, SEE F1592-CMP301.
2. TRAFFIC ARROW HORIZONTAL CONTROL PROVIDED TO THE CENTER POINT OF ARROW IN THE TRAFFIC LANE.
3. REFERENCE COP STD PLANS 01.03.01 THRU 01.03.16.

CONSTRUCTION NOTES:

(XXXX)	PAVEMENT MARKING, SEE LEGEND
PW9	PAINT WHITE EDGE LINE & SOLID OR SKIP LANE LINE PER COP STD PLAN 01.03.10
TW16	THERMOPLASTIC WHITE CROSSWALK LINES PER COP STD PLAN 01.03.11
PW18	PAINT WHITE STOP LINE PER COP STD PLAN 01.03.11
PY9	PAINT YELLOW DOUBLE CENTERLINE PER COP STD PLAN 01.03.10
PY11	PAINT YELLOW TWO WAY LEFT TURN LANE PER COP STD PLAN 01.03.10, 01.03.07, AND 01.03.08
TWS3	THERMOPLASTIC WHITE BICYCLE RIDER SYMBOL PER WSDOT STD. M-9.50
TWS8	THERMOPLASTIC WHITE ONLY PER COP STD PLAN 01.03.15
TWA6	THERMOPLASTIC WHITE TYPE 1 TRAFFIC ARROW PER COP STD PLAN 01.03.14
TWA7	THERMOPLASTIC WHITE TYPE 2SR TRAFFIC ARROW PER WSDOT M-24.40 FOR LOW SPEED
TWA8	THERMOPLASTIC WHITE TYPE 2SL TRAFFIC ARROW PER WSDOT M-24.40 FOR LOW SPEED
TWA9	THERMOPLASTIC WHITE TYPE 3SR TRAFFIC ARROW PER WSDOT M-24.40 FOR LOW SPEED
TWRR1	THERMOPLASTIC WHITE RAILROAD CROSSING MARKINGS PER COP STD PLAN 01.03.12
TW8	THERMOPLASTIC WHITE GORE STRIPE PER COP STD PLAN 01.03.10.
PY8	PAINT YELLOW SINGLE STRIPE PER COP STD PLAN 01.03.10.

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	04/17/2023	BSP	JGM	JGM	FINAL AS-BUILT

DESIGNED BY: B. PILON
DRAWN BY: J. CURTIS
CHECKED BY: J. MATTHEWS
APPROVED BY: J. MATTHEWS

kpff
SUBMITTED BY: SARA ROBERTS

HENSEL PHELPS Plan. Build. Manage.
kpff
DATE: 04/17/2023
REVIEWED BY: GREG SHIMIZU

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT
DATE: 04/17/2023

SCALE: 1"=20'
FILENAME: S317-F1592-CMP301
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 04/17/2023

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
CIVIL
CHANNELIZATION PLAN

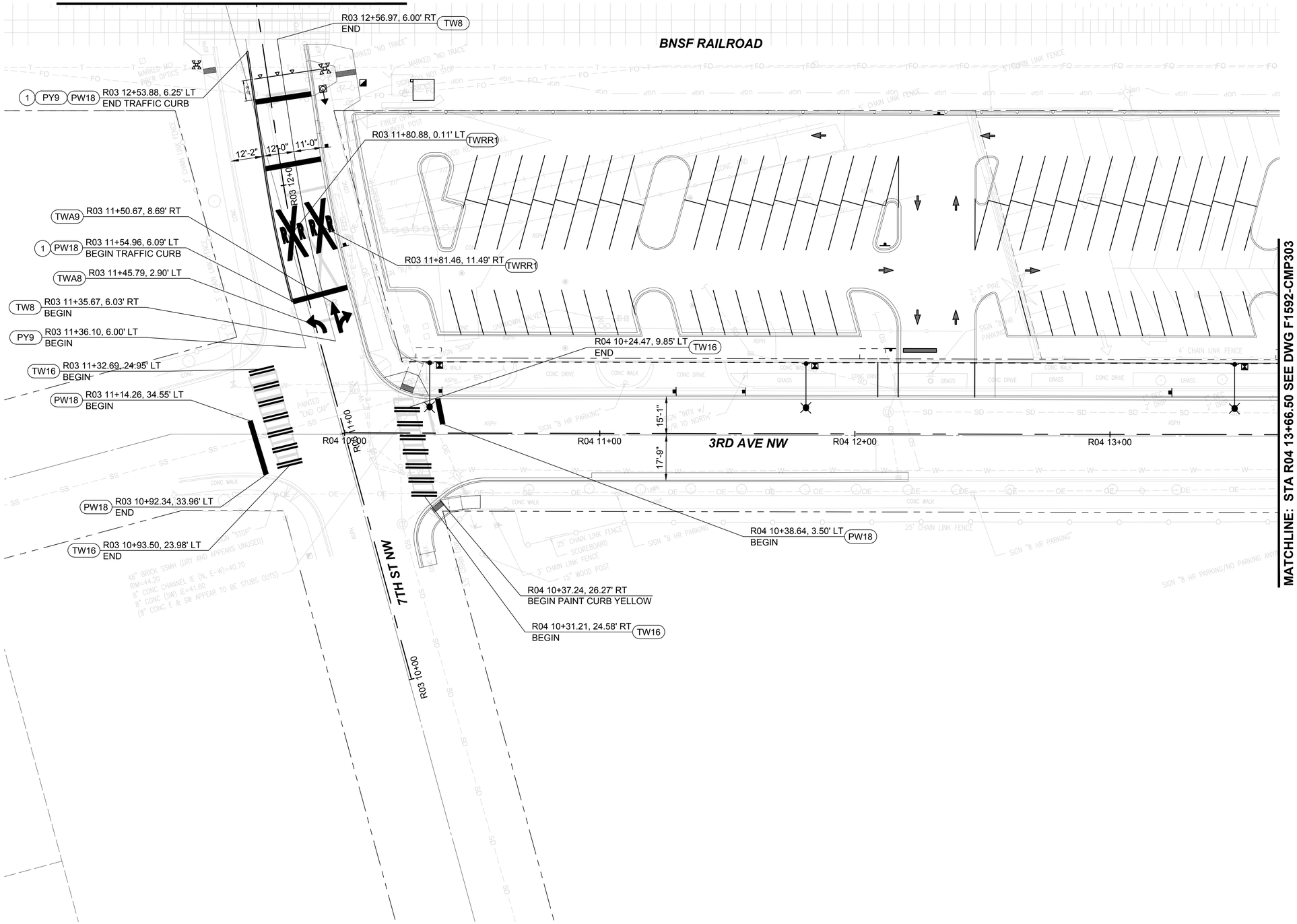
DRAWING No.: F1592-CMP301
FACILITY ID: F1592
SHEET No.: 61
REV: 0

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MATCHLINE: STA R01 12+15.00 SEE DWG F1592-CMP308

Xrefs:
xS317-F1592-RPP100
xS317-F1592-VRX100
xS317-F1592-CSP100
xS317-F1592-CMP100
xGB-TB22x34
xS317-F1592-CLP100
xS317-F1592-TSP100

MATCHLINE: STA R03 12+72.10 SEE DWG F1592-CMP301



GENERAL NOTES:

1. FOR PAVEMENT MARKING CONSTRUCTION NOTES, SEE F1592-CMP301.
2. TRAFFIC ARROW HORIZONTAL CONTROL PROVIDED TO THE CENTER POINT OF ARROW IN THE TRAFFIC LANE.
3. REFERENCE COP STD PLANS 01.03.01 THRU 01.03.16.

CONSTRUCTION NOTES:

(XXXX) PAVEMENT MARKING, SEE LEGEND

(1) INSTALL 12 INCH WIDE PRECAST TRAFFIC CURB PER WSDOT STD PLAN F-10.64, PAINTED YELLOW AND END TREATMENTS PER COP STD FOR SIGNALIZED R/R CROSSING CENTERLINE MARKINGS WITH RAISED PAVEMENT MARKERS AND DELINEATORS.

N

20 10 0 20 40
SCALE IN FEET

09/01/23 | 8:58 AM | JONC
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FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	04/17/2023	BSP	JGM	JGM	FINAL AS-BUILT

DESIGNED BY: B. PILON
DRAWN BY: J. CURTIS
CHECKED BY: J. MATTHEWS
APPROVED BY: J. MATTHEWS

kpff
HENSEL PHELPS Plan. Build. Manage.
kpff
SOUNDTRANSIT

SUBMITTED BY: SARA ROBERTS
DATE: 04/17/2023
REVIEWED BY: GREG SHIMIZU
DATE: 04/17/2023

LINE IS 1" AT FULL SCALE

SCALE: 1"=20'
FILENAME: S317-F1592-CMP302
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 04/17/2023

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
CIVIL
CHANNELIZATION PLAN

DRAWING No.: F1592-CMP302
FACILITY ID: F1592
SHEET No.: 62
REV: 0

GENERAL NOTES:

Xrefs:
xS317-F1592-RPP10
xS317-F1592-VRX10
xS317-F1592-CSP10
xS317-F1592-CMP10
xGB-TB22x34
xS317-F1592-CLP10
xS317-F1592-TSP10

MATCHLINE: STA R04 13+67.36 SEE DWG F1592-CMP302

MATCHLINE: STA R06 16+56.00 SEE DWG F1592-CMP308

BNSF RAILROAD

3RD AVE NW

R04 14+00

R04 15+00

6TH ST NW

2ND AVE NW

R05 11+00

R05 12+00

R04 16+00

R05 0+00

5TH ST NW

R06 15+00

R06 16+00

PY9 R06 16+42.89, 0.72' RT
END STRIPE

1 TW8 PY9 R06 16+37.35, 0.48' RT
END CURB
BEGIN STRIPE

R06 16+14.77, 19.98' RT PW18
BEGIN

1 TW8 R06 15+18.89, 0.96' RT
BEGIN CURB

PW18 R06 15+17.90, 1.20' RT
BEGIN

PY9 R06 15+12.26, 0.86' RT
END 28.5:1 TAPER

R06 14+92.93, 11.06' RT TWRR1

2

PW18 R05 13+42.06, 31.22' LT
END

PW18 R05 13+24.83, 31.35' LT
BEGIN

TW16 R05 13+23.38, 21.36' LT
BEGIN

R06 14+18.86, 18.05' RT TW16
END

TWA6 R05 12+83.18, 6.24' RT

TWS8 R05 12+70.11, 8.59' RT

TW16 R05 13+16.19, 16.56' LT
BEGIN

PY8 R05 12+39.89, 1.31' LT
BEGIN

R06 14+09.46, 7.64' RT PY9
BEGIN 12.5:1 TAPER

R06 14+09.44, 4.11' LT PY9
BEGIN 28.5:1 TAPER

R06 13+91.64, 7.67' RT PY9
BEGIN

R06 13+94.89, 37.02' LT PW18
END

R= 25'

R06 14+08

R05 13+45

PAINT YELLOW

R05 13+00

R06 13+68.71, 18.91' RT PW18
BEGIN

R06 13+68.74, 7.83' RT TW8
END

R06 13+68.78, 4.77' LT PY9
END

PY8 R05 12+89.89, 1.31' LT
END

EASTERN EDGE OF CURB
TO HAVE CONSPICUITY
REFLECTORS

PW18 R05 13+09.28, 14.96' RT
BEGIN

TW16 R05 13+19.42, 15.93' RT
BEGIN

GENERAL NOTES:

1. FOR PAVEMENT MARKING CONSTRUCTION NOTES, SEE F1592-CMP301.
2. TRAFFIC ARROW HORIZONTAL CONTROL PROVIDED TO THE CENTER POINT OF ARROW IN THE TRAFFIC LANE.
3. REFERENCE COP STD PLANS 01.03.01 THRU 01.03.16.

CONSTRUCTION NOTES:

(XXXX) PAVEMENT MARKING, SEE LEGEND

(1) INSTALL 12 INCH WIDE PRECAST TRAFFIC CURB PER WSDOT STD PLAN F-10.64, PAINTED YELLOW AND END TREATMENTS PER COP STD FOR SIGALIZED R/R CROSSING CENTERLINE MARKINGS WITH RAISED PAVEMENT MARKERS AND DELINEATORS.

(2) INSTALL TAPER STRIPING, 4" YELLOW PAINT LINE AT 45 DEG ANGLE 25' APART.

20 10 0 20 40
SCALE IN FEET

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	04/17/2023	BSP	JGM	JGM	FINAL AS-BUILT

DESIGNED BY: B. PILON
DRAWN BY: J. CURTIS
CHECKED BY: J. MATTHEWS
APPROVED BY: J. MATTHEWS

kpff

HENSEL PHELPS
Plan. Build. Manage.
kpff

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT

SUBMITTED BY: SARA ROBERTS
DATE: 04/17/2023
REVIEWED BY: GREG SHIMIZU
DATE: 04/17/2023

SCALE: 1"=20'
FILENAME: S317-F1592-CMP303
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 04/17/2023

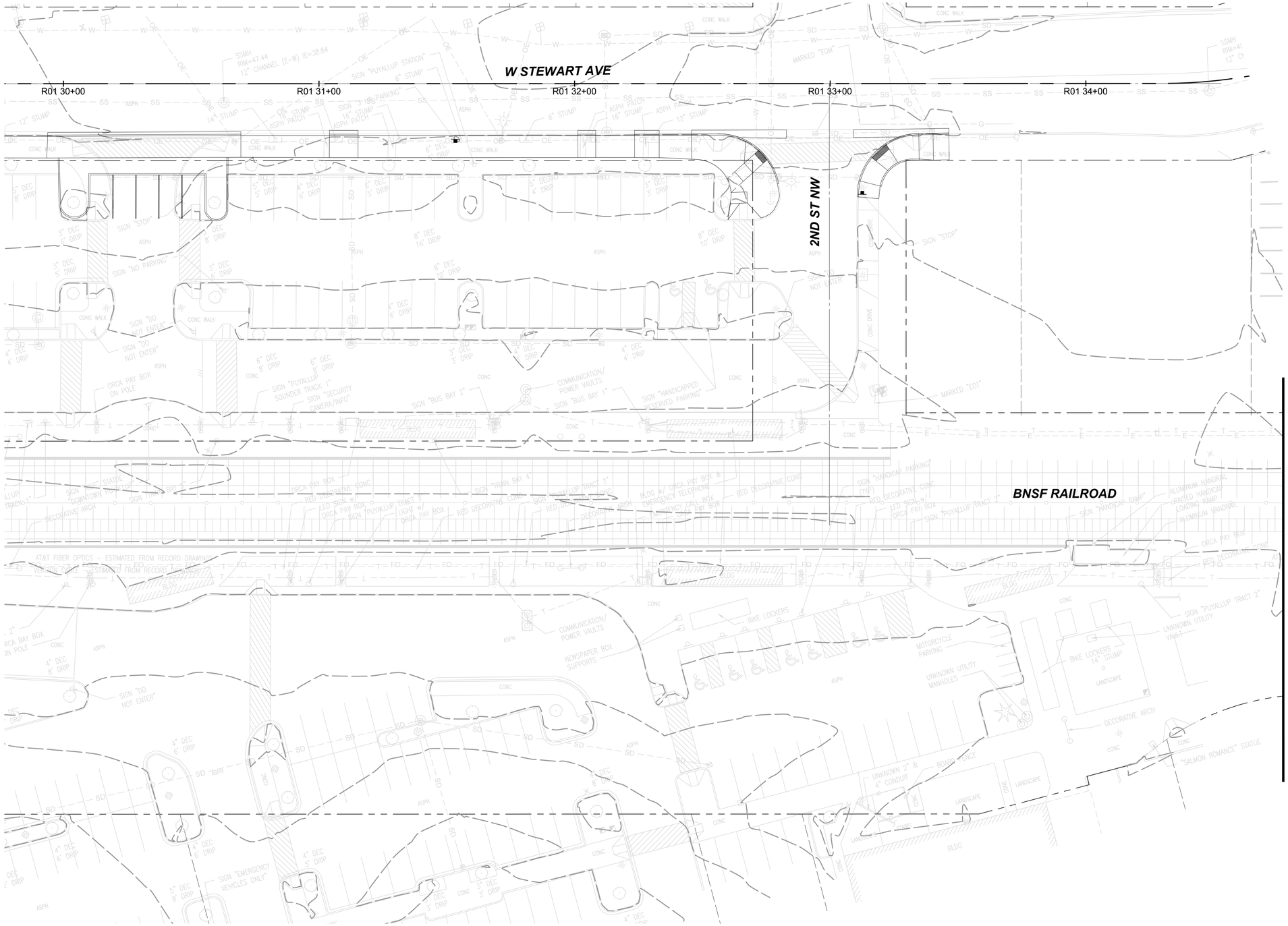
PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
CIVIL
CHANNELIZATION PLAN

DRAWING No.: F1592-CMP303
FACILITY ID: F1592
SHEET No.: 63
REV: 0

05/04/23 | 2:59 PM | JONC
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MATCHLINE: STA R06 13+36.50 SEE DWG F1592-CMP308

Xrefs:
xS317-F1592-RPP10
xS317-F1592-VRX10
xS317-F1592-CSP10
xS317-F1592-CMP10
xGB-TB22x34
xS317-F1592-TSP10
xS317-F1592-CLP10



GENERAL NOTES:

1. FOR PAVEMENT MARKING CONSTRUCTION NOTES, SEE F1592-CMP301.
2. TRAFFIC ARROW HORIZONTAL CONTROL PROVIDED TO THE CENTER POINT OF ARROW IN THE TRAFFIC LANE.
3. REFERENCE COP STD PLANS 01.03.01 THRU 01.03.16.

CONSTRUCTION NOTES:

(XXXX) PAVEMENT MARKING, SEE LEGEND

20 10 0 20 40
SCALE IN FEET

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	04/17/2023	BSP	JGM	JGM	FINAL AS-BUILT

DESIGNED BY: B. PILON
DRAWN BY: J. CURTIS
CHECKED BY: J. MATTHEWS
APPROVED BY: J. MATTHEWS

kpff
SUBMITTED BY: SARA ROBERTS
DATE: 04/17/2023

HENSEL PHELPS Plan. Build. Manage.
kpff
REVIEWED BY: GREG SHIMIZU
DATE: 04/17/2023

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT
SUBMITTAL DATE: 04/17/2023

SCALE: 1"=20'
FILENAME: S317-F1592-CMP305
CONTRACT No.: RTA/CN 0612-18

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
CIVIL
CHANNELIZATION PLAN

DRAWING No.: F1592-CMP305
FACILITY ID: F1592
SHEET No.: 64
REV: 0

05/04/23 | 3:00 PM | JONC
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MATCHLINE: STA R01 34+64.20 SEE DWG F1592-CMP306

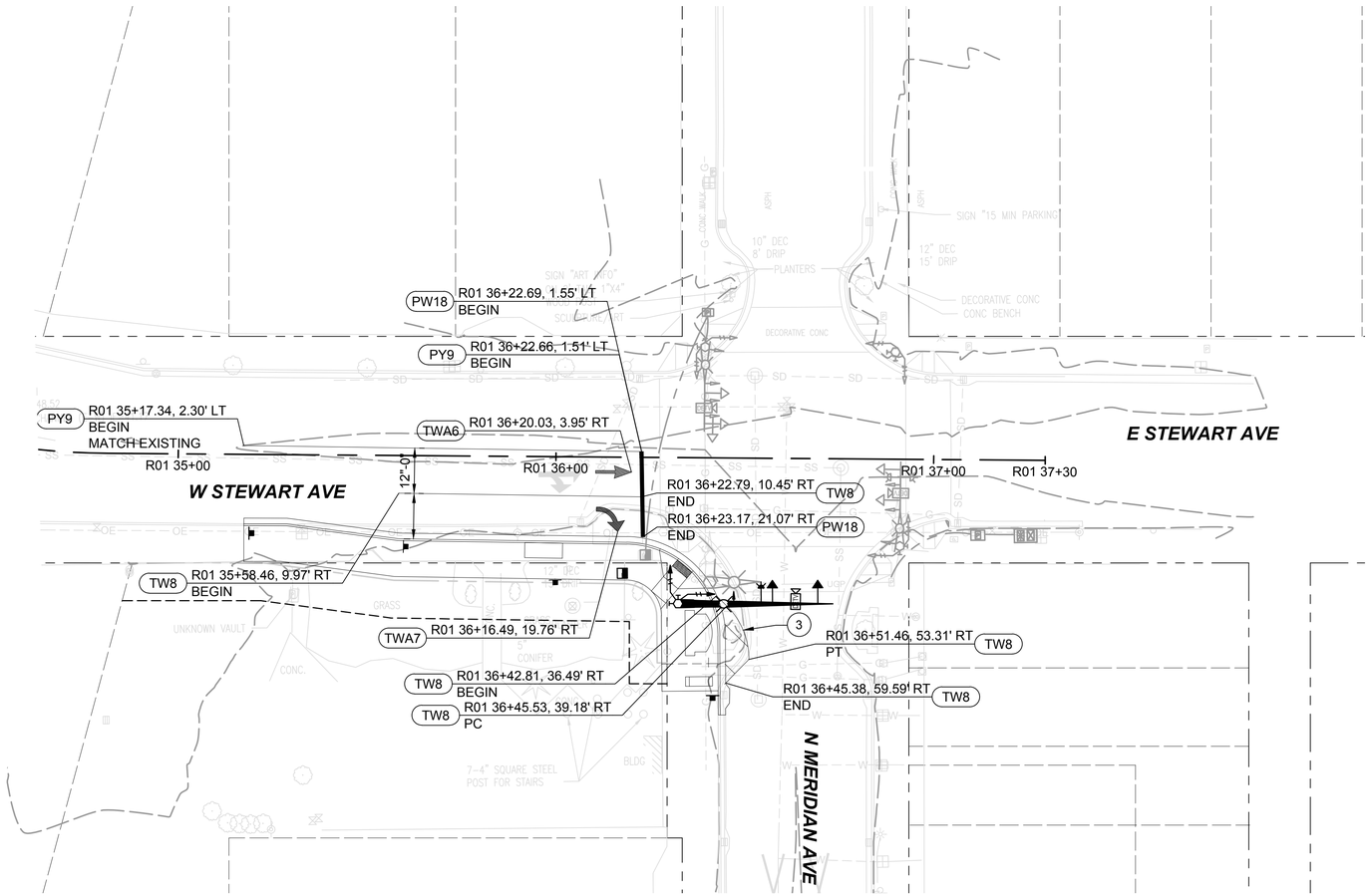
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xS317-F1592-CSP100
xS317-F1592-CMP100
xGB-TB22x34
xS317-F1592-CLP100
xS317-F1592-TSP100

1. FOR PAVEMENT MARKING CONSTRUCTION NOTES, SEE F1592-CMP301.
2. TRAFFIC ARROW HORIZONTAL CONTROL PROVIDED TO THE CENTER POINT OF ARROW IN THE TRAFFIC LANE.
3. REFERENCE COP STD PLANS 01.03.01 THRU 01.03.16.

CONSTRUCTION NOTES:

(XXXX) PAVEMENT MARKING, SEE LEGEND

(3) INSTALL TAPER STRIPING, 4" YELLOW PAINT LINE AT 45 DEG ANGLE 10' APART.



20 10 0 20 40
SCALE IN FEET

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	04/17/2023	BSP	JGM	JGM	FINAL AS-BUILT

DESIGNED BY: B. PILON
DRAWN BY: J. CURTIS
CHECKED BY: J. MATTHEWS
APPROVED BY: J. MATTHEWS

kpff
SUBMITTED BY: SARA ROBERTS
DATE: 04/17/2023

HENSEL PHELPS
Plan. Build. Manage.
kpff
REVIEWED BY: GREG SHIMIZU
DATE: 04/17/2023

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT
SUBMITTAL DATE: 04/17/2023

SCALE: 1"=20'
FILENAME: S317-F1592-CMP306
CONTRACT No.: RTA/CN 0612-18

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
CIVIL
CHANNELIZATION PLAN

DRAWING No.: F1592-CMP306
FACILITY ID: F1592
SHEET No.: 65
REV: 0

05/04/23 | 3:00 PM | JONC
Z:\1900001-1900999\1900096 ST PUYALLUP DB GARAGE\CADD\DESIGN\S317-F1592-CMP306.DWG

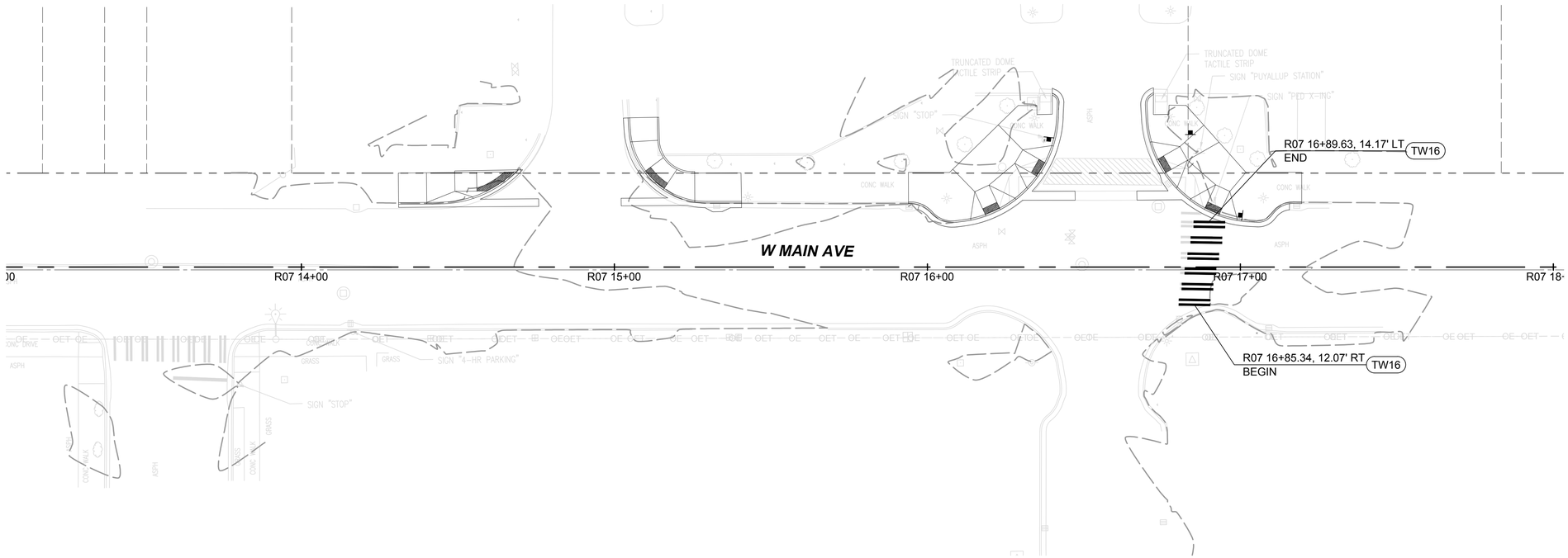
GENERAL NOTES:

Xrefs:
xS317-F1592-RPP10
xS317-F1592-VRX10
xS317-F1592-CSP10
xS317-F1592-CDP10
xS317-F1592-CMP10
xGB-TB22x34
xS317-F1592-CLP10
xS317-F1592-TSP10

1. FOR PAVEMENT MARKING CONSTRUCTION NOTES, SEE F1592-CMP301.
2. TRAFFIC ARROW HORIZONTAL CONTROL PROVIDED TO THE CENTER POINT OF ARROW IN THE TRAFFIC LANE.
3. REFERENCE COP STD PLANS 01.03.01 THRU 01.03.16.

CONSTRUCTION NOTES:

(XXXX) PAVEMENT MARKING, SEE LEGEND



20 10 0 20 40
SCALE IN FEET

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	04/17/2023	BSP	JGM	JGM	FINAL AS-BUILT

DESIGNED BY: B. PILON
DRAWN BY: J. CURTIS
CHECKED BY: J. MATTHEWS
APPROVED BY: J. MATTHEWS

kpff — SUBMITTED BY: SARA ROBERTS — DATE: 04/17/2023

HENSEL PHELPS Plan. Build. Manage. kpff — REVIEWED BY: GREG SHIMIZU — DATE: 04/17/2023

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT — SUBMITTAL DATE: 04/17/2023

SCALE: 1"=20'
FILENAME: S317-F1592-CMP307
CONTRACT No.: RTA/CN 0612-18

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
CIVIL
CHANNELIZATION PLAN

DRAWING No.: F1592-CMP307
FACILITY ID: F1592
SHEET No.: 66
REV: 0

05/04/23 | 3:00 PM | JONC
Z:\1900001-1900999\1900096 ST PUYALLUP DB GARAGE\CADD\DESIGN\S317-F1592-CMP307.DWG

GENERAL NOTES:

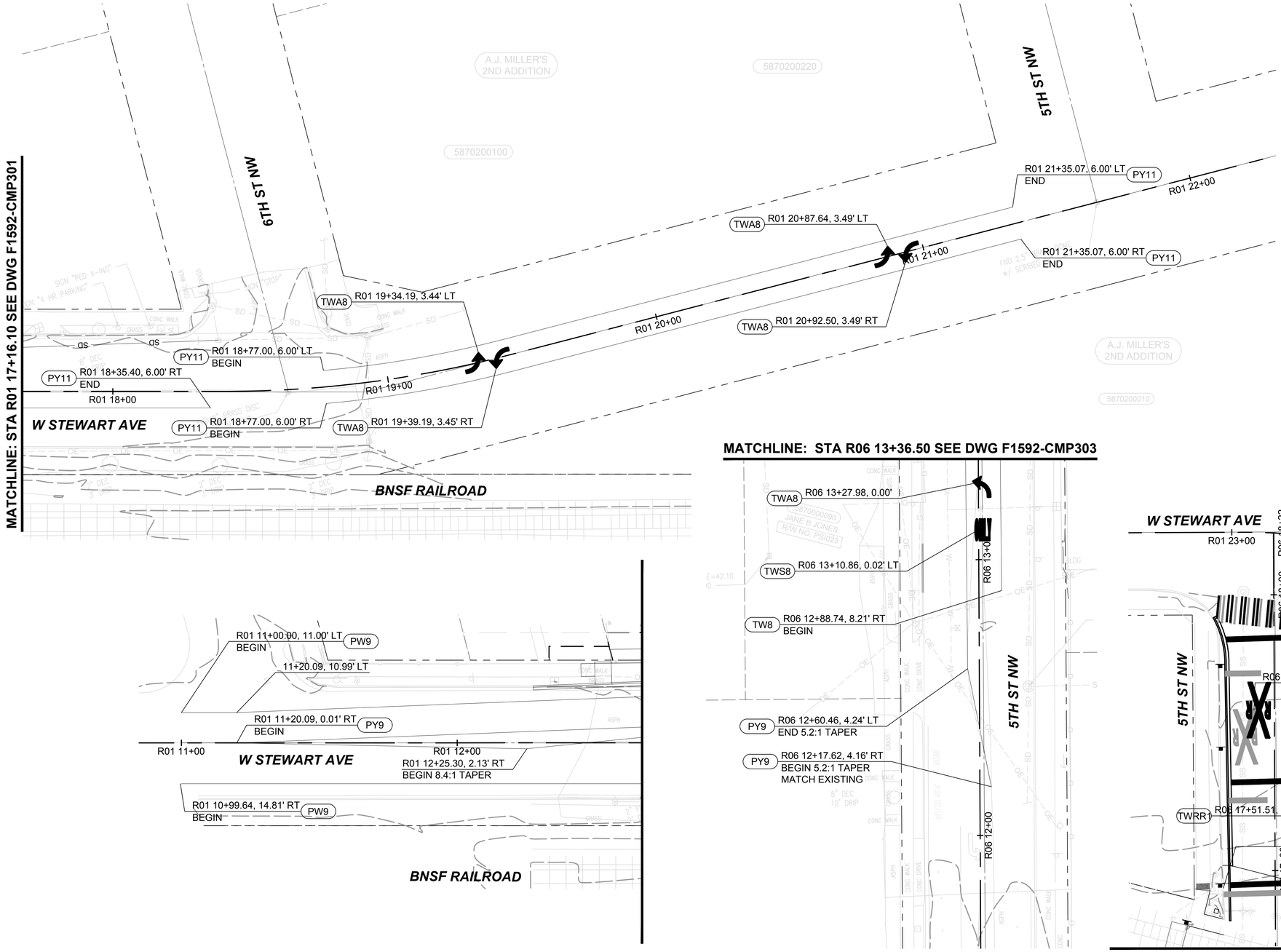
Xrefs:
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xS317-F1592-VRX100
xS317-F1592-CSP100
xS317-F1592-CDP100
xS317-F1592-CMP100
xGB-TB22x34
xS317-F1592-CLP100
xS317-F1592-TSP100

GENERAL NOTES:

1. FOR PAVEMENT MARKING CONSTRUCTION NOTES, SEE F1592-CMP301.
2. TRAFFIC ARROW HORIZONTAL CONTROL PROVIDED TO THE CENTER POINT OF ARROW IN THE TRAFFIC LANE.
3. REFERENCE COP STD PLANS 01.03.01 THRU 01.03.16.

CONSTRUCTION NOTES:

(XXXX) PAVEMENT MARKING, SEE LEGEND



FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	04/17/2023	BSP	JGM	JGM	FINAL AS-BUILT

DESIGNED BY: B. PILON
DRAWN BY: J. CURTIS
CHECKED BY: J. MATTHEWS
APPROVED BY: J. MATTHEWS

kpff

HENSEL PHELPS Plan. Build. Manage.

kpff

LINE IS 1" AT FULL SCALE

SUBMITTED BY: SARA ROBERTS
DATE: 04/17/2023
REVIEWED BY: GREG SHIMIZU
DATE: 04/17/2023

SOUNDTRANSIT

SCALE: 1"=20'
FILENAME: S317-F1592-CMP308
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 04/17/2023

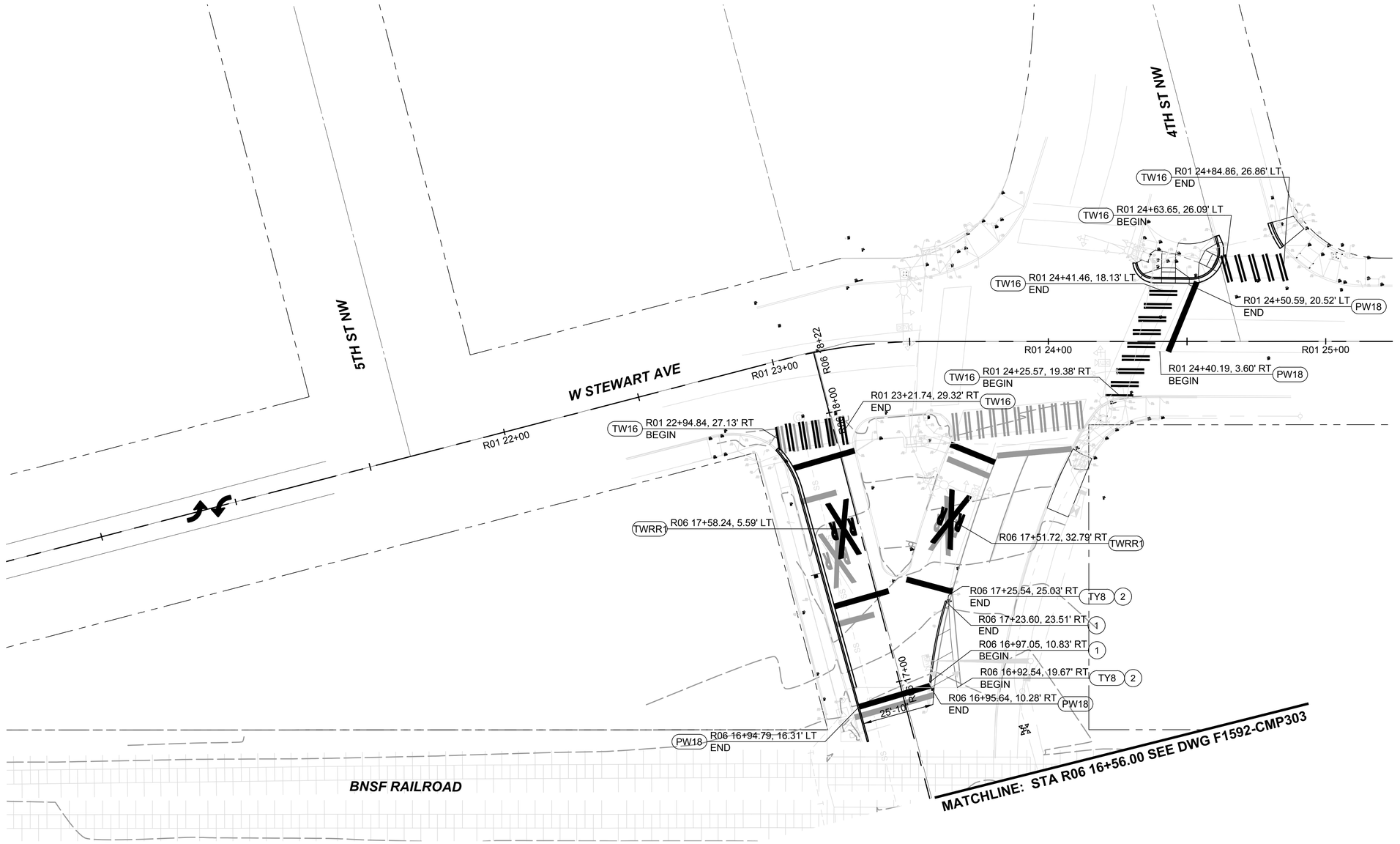
PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
CIVIL
CHANNELIZATION PLAN

DRAWING No.: F1592-CMP308
FACILITY ID: F1592
SHEET No.: 67
REV: 0

05/04/23 | 3:01 PM | JONC
Z:\1900001-1900999\1900096 ST PUYALLUP DB GARAGE\CADD\DESIGN\S317-F1592-CMP308.DWG

MATCHLINE: STA R01 12+67.00 SEE DWG F1592-CMP301

Xrefs:
xS317-F1592-RPP10
xS317-F1592-VRX10
xS317-F1592-CSP10
xS317-F1592-CMP10
xGB-TB22x34
xS317-F1592-CLP10
xS317-F1592-TSP10
xS317-F1592-VRX-4



1. FOR PAVEMENT MARKING CONSTRUCTION NOTES, SEE F1592-CMP301.
2. TRAFFIC ARROW HORIZONTAL CONTROL PROVIDED TO THE CENTER POINT OF ARROW IN THE TRAFFIC LANE.
3. REFERENCE COP STD PLANS 01.03.01 THRU 01.03.16.
4. FOR SIGNAGE WORK, SEE F1592-CNP301 THRU F1592-CNP308.

CONSTRUCTION NOTES:

TW16	THERMOPLASTIC WHITE CROSSWALK LINES PER COP STD PLAN 01.03.11
PW18	PAINT WHITE STOP LINE PER COP STD PLAN 01.03.11
TWRR1	THERMOPLASTIC WHITE RAILROAD CROSSING MARKINGS PER COP STD PLAN 01.03.12
TY8	THERMOPLASTIC YELLOW GORE STRIPE PER COP STD PLAN 01.03.10.
PY8	PAINT YELLOW SINGLE STRIPE PER COP STD PLAN 01.03.10.
1	REPAINT EXISTING PRECAST TRAFFIC CURB.
2	INSTALL TAPER STRIPING, 4" YELLOW PAINT LINE AT 45 DEG ANGLE 25' APART.

20 10 0 20 40
SCALE IN FEET

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	04/17/2023	BSP	JGM	JGM	FINAL AS-BUILT

DESIGNED BY: B. PILON
DRAWN BY: J. CURTIS
CHECKED BY: J. MATTHEWS
APPROVED BY: J. MATTHEWS

kpff
SUBMITTED BY: SARA ROBERTS
DATE: 04/17/2023

HENSEL PHELPS Plan. Build. Manage. kpff
REVIEWED BY: GREG SHIMIZU
DATE: 04/17/2023

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT
SUBMITTAL DATE: 04/17/2023

SCALE: 1"=20'
FILENAME: S317-F1592-CMP309
CONTRACT No.: RTA/CN 0612-18

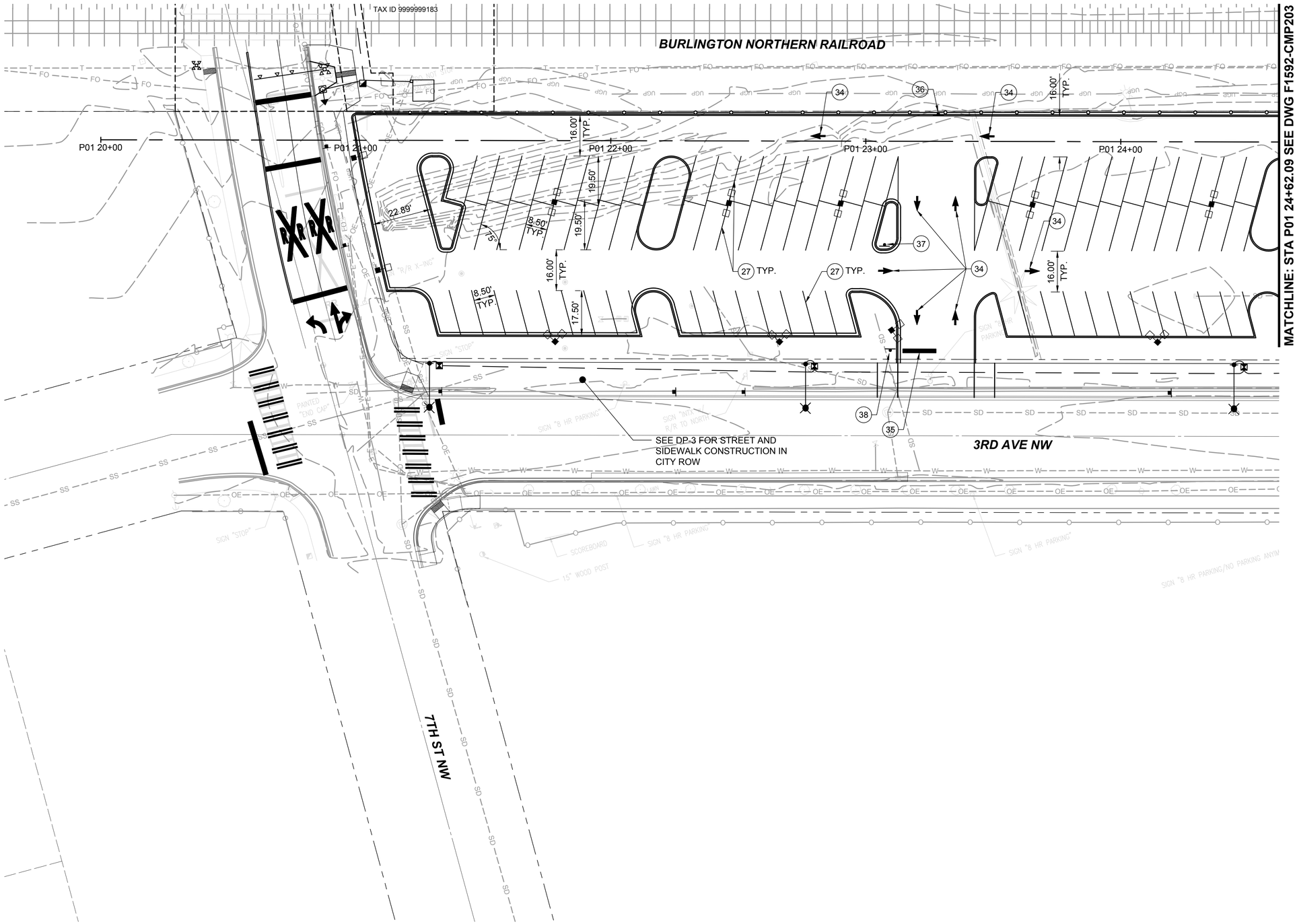
PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
CIVIL
CHANNELIZATION PLAN

DRAWING No.: F1592-CMP309
FACILITY ID: F1592
SHEET No.: 68
REV: 0

GENERAL NOTES:

05/04/23 | 3:01 PM | JONC
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Xrefs:
xS317-F1592-RPP10
xS317-F1592-VRX10
xS317-F1592-CSP10
xGB-TB22x34
xS317-F1592-ELP10
xS317-F1592-CLP10
xS317-F1592-TSP10
xS317-F1592-CMP10



GENERAL NOTES:

1. FOR GENERAL NOTES, SEE DRAWINGS F1592-CZN001
2. FOR SYMBOLS AND LEGEND, SEE DRAWING F1592-CZN010

CONSTRUCTION NOTES:

(27) 4" WIDE WHITE PAINT STRIPE

(34) TYPE 1 PAVEMENT ARROW PER COP STD PLAN 01.03.14

(35) 18" WIDE THERMOPLASTIC WHITE STOP LINE

(36) CONST SIGN R6-2L (ONE WAY [LEFT]) ON TELESPAR POST, PER COP STD PLAN 01.04.01

(37) CONST SIGN R6-2R (ONE WAY [RIGHT]) ON TELESPAR POST, PER COP STD PLAN 01.04.01

(38) CONST STOP SIGN PER COP STD PLAN 01.04.02

20 10 0 20 40
SCALE IN FEET

09/01/23 | 9:01 AM | JONC
Z:\1900001-1900999\1900096 ST PUYALLUP DB GARAGE\CADD\DESIGN\S317-F1592-CMP202.DWG

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	04/17/2023	SGR	JGM	JGM	FINAL AS-BUILT

DESIGNED BY: S. GUJULUVA RAJAN
DRAWN BY: T. CURTICE
CHECKED BY: J. MATTHEWS
APPROVED BY: J. MATTHEWS

kpff
SUBMITTED BY: SARA ROBERTS
DATE: 04/17/2023

HENSEL PHELPS Plan. Build. Manage.
kpff
REVIEWED BY: GREG SHIMIZU
DATE: 04/17/2023

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT
SCALE: 1"=20'
FILENAME: S317-F1592-CMP202
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 04/17/2023

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
CIVIL
PAVEMENT MARKING AND SIGNAGE PLAN

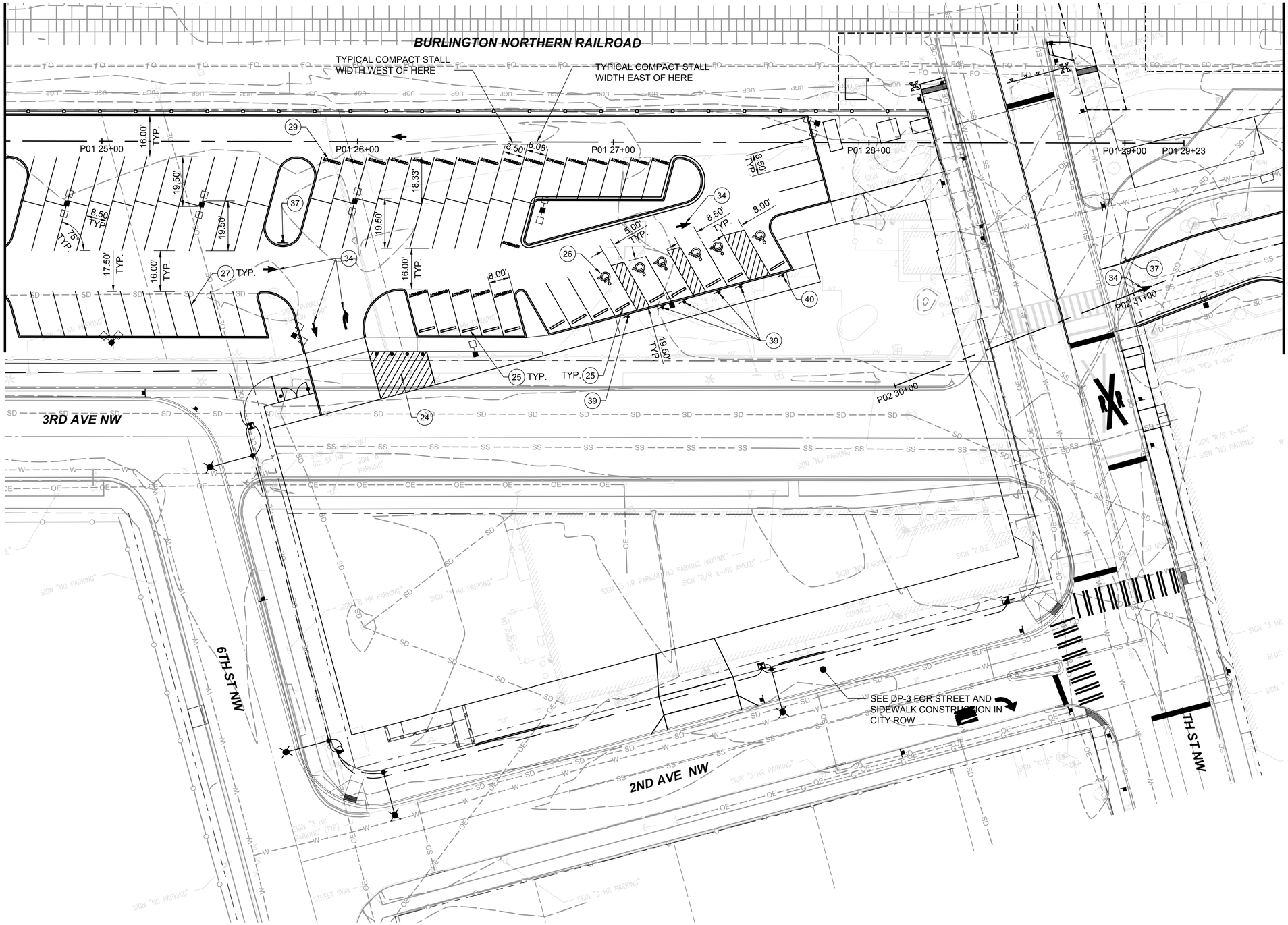
DRAWING No.: F1592-CMP202
FACILITY ID: F1592
SHEET No.: 69
REV: 0

GENERAL NOTES:

Xrefs:
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xS317-F1592-VRX10
xS317-F1592-CSP10
xGB-TB22x34
xS317-F1592-CLP10
xS317-F1592-ELP10
xS317-F1592-CMP10

MATCHLINE: STA P01 24+62.09 SEE DWG F1592-CMP202

MATCHLINE: STA P02 31+62.09 SEE DWG F1592-CMP204



GENERAL NOTES:

1. FOR GENERAL NOTES, SEE DRAWINGS F1592-CZN001
2. FOR SYMBOLS AND LEGEND, SEE DRAWING F1592-CZN010

CONSTRUCTION NOTES:

(24) 4" WIDE YELLOW PAINT STRIPE AT 24" SPACING

(25) CONST PRE-CAST CONCRETE WHEEL STOP, SEE DETAIL 1 ON DRAWING F1592-CPD024

( ) DISABLED PERSON SYMBOL MARKING, SEE DETAIL 3 ON DRAWING F1592-CPD024

(27) 4" WIDE WHITE PAINT STRIPE

(29) "COMPACT" STALL PAVEMENT MARKING SHALL BE 3 FEET WIDE WITH 4" THICK WHITE PAINT STRIPING FOR THE LETTERS

(34) TYPE 1 PAVEMENT ARROW PER COP STD PLAN 01.03.14

(36) CONST SIGN R6-2L (ONE-WAY [LEFT]) ON TELESPAR POST, PER COP STD PLAN 01.04.01

(37) CONST SIGN R6-2R (ONE WAY [RIGHT]) ON TELESPAR POST, PER COP STD PLAN 01.04.01

(39) CONST SIGN R7-801 (RESERVED PARKING) ON TELESPAR POST, PER COP STD PLAN 01.04.01

(40) CONST SIGN ASSEMBLY R7-801, R7-801A (RESERVED PARKING, VAN ACCESSIBLE) ON TELESPAR POST, PER COP STD PLAN 01.04.01

20 10 0 20 40
SCALE IN FEET

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	04/17/2023	SGR	ERM	JGM	FINAL AS-BUILT

DESIGNED BY: S. GUJULUVA RAJAN
DRAWN BY: T. CURTICE
CHECKED BY: J. MATTHEWS
APPROVED BY: J. MATTHEWS

kpff | HENSEL PHELPS Plan. Build. Manage. kpff | SOUNDTRANSIT

SUBMITTED BY: SARA ROBERTS
DATE: 04/17/2023
REVIEWED BY: GREG SHIMIZU
DATE: 04/17/2023

LINE IS 1" AT FULL SCALE

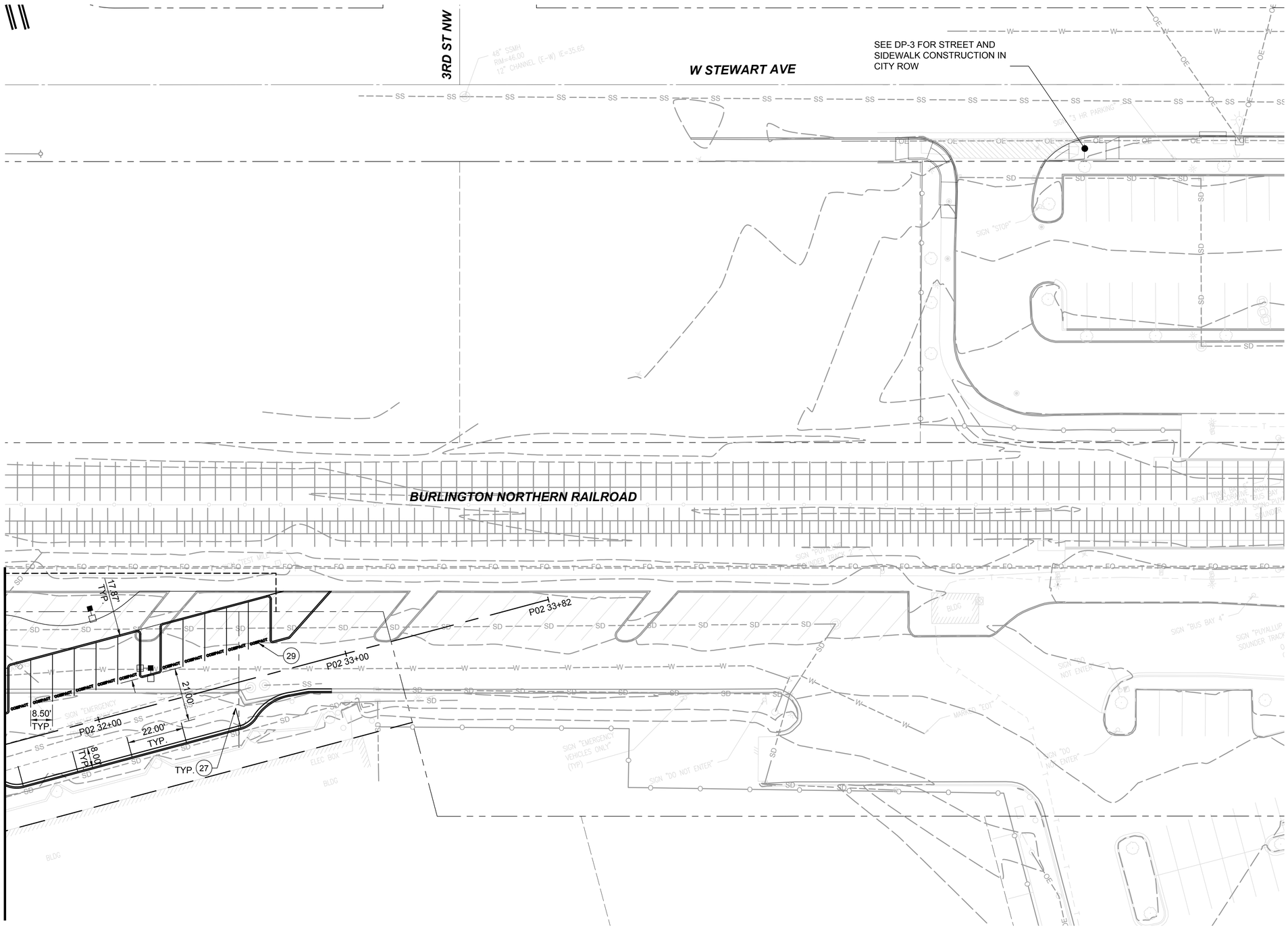
SCALE: 1"=20'
FILENAME: S317-F1592-CMP203
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 04/17/2023

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
CIVIL
PAVEMENT MARKING AND SIGNAGE PLAN

DRAWING No.: F1592-CMP203
FACILITY ID: F1592
SHEET No.: 70
REV: 0

05/04/23 | 2:58 PM | JONC
Z:\1900001-1900999\1900096 ST PUYALLUP DB GARAGE\CADD\DESIGN\S317-F1592-CMP203.DWG

Xrefs:
xS317-F1592-RPP100
xS317-F1592-VRX100
xS317-F1592-CSP100
xGB-TB22x34
xS317-F1592-CLP100
xS317-F1592-TSP100
xS317-F1592-ELP100
xS317-F1592-CMP100



MATCHLINE: STA P02 31+62.09 SEE DWG F1592-CMP203

1. FOR GENERAL NOTES, SEE DRAWINGS F1592-CZN001
2. FOR SYMBOLS AND LEGEND, SEE DRAWING F1592-CZN010

CONSTRUCTION NOTES:

(27) 4" WIDE WHITE PAINT STRIPE

(29) "COMPACT" STALL PAVEMENT SHALL BE 3 FEET WIDE WITH 4" THICK WHITE PAINT STRIPING FOR THE LETTERS

20 10 0 20 40
SCALE IN FEET

05/04/23 | 2:58 PM | JONC
Z:\1900001-1900999\1900096 ST PUYALLUP DB GARAGE\CADD\DESIGN\S317-F1592-CMP204.DWG

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	04/17/2023	SGR	ERM	JGM	FINAL AS-BUILT

DESIGNED BY: S. GUJULUVA RAJAN
DRAWN BY: T. CURTICE
CHECKED BY: J. MATTHEWS
APPROVED BY: J. MATTHEWS

kpff
SUBMITTED BY: SARA ROBERTS
DATE: 04/17/2023

HENSEL PHELPS Plan. Build. Manage.
kpff
REVIEWED BY: GREG SHIMIZU
DATE: 04/17/2023

LINE IS 1" AT FULL SCALE

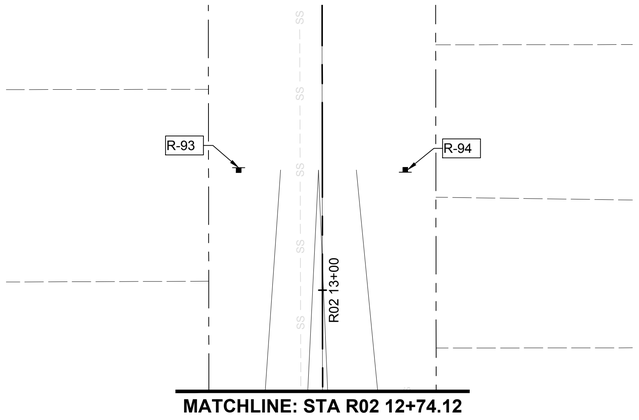
SOUNDTRANSIT
SCALE: 1"=20'
FILENAME: S317-F1592-CMP204
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 04/17/2023

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
CIVIL
PAVEMENT MARKING AND SIGNAGE PLAN

DRAWING No.: F1592-CMP204
FACILITY ID: F1592
SHEET No.: 71
REV: 0

GENERAL NOTES:

Xrefs:
xS317-F1592-RPP100
xS317-F1592-VRX100
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xS317-F1592-CMP100
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xS317-F1592-CLP100
xS317-F1592-TSP100



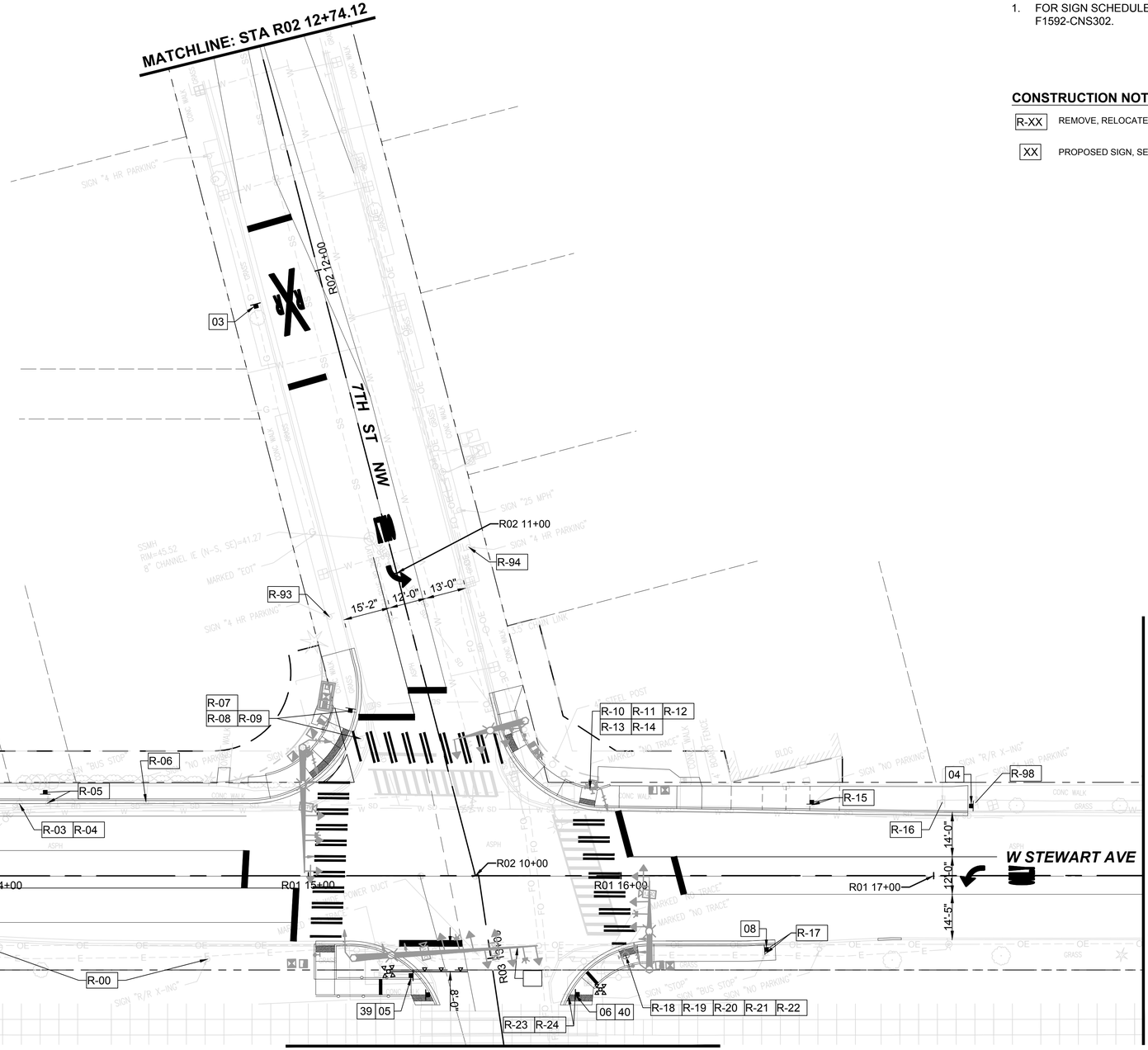
GENERAL NOTES:

1. FOR SIGN SCHEDULE, SEE F1592-CNS301 AND F1592-CNS302.

CONSTRUCTION NOTES:

R-XX REMOVE, RELOCATE, OR REPLACE SIGN, SEE SCHEDULE

XX PROPOSED SIGN, SEE SCHEDULE



20 10 0 20 40
SCALE IN FEET

No.	DATE	DSN	CHK	APP	REVISION
0	04/17/2023	BSP	JGM	JGM	FINAL AS-BUILT

FINAL AS-BUILT

DESIGNED BY: B. PILON
DRAWN BY: J. CURTIS
CHECKED BY: J. MATTHEWS
APPROVED BY: J. MATTHEWS

kpff

HENSEL PHELPS Plan. Build. Manage.
kpff

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT

SUBMITTED BY: SARA ROBERTS
DATE: 04/17/2023
REVIEWED BY: GREG SHIMIZU
DATE: 04/17/2023
SCALE: 1"=20'
FILENAME: S317-F1592-CNP301
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 04/17/2023

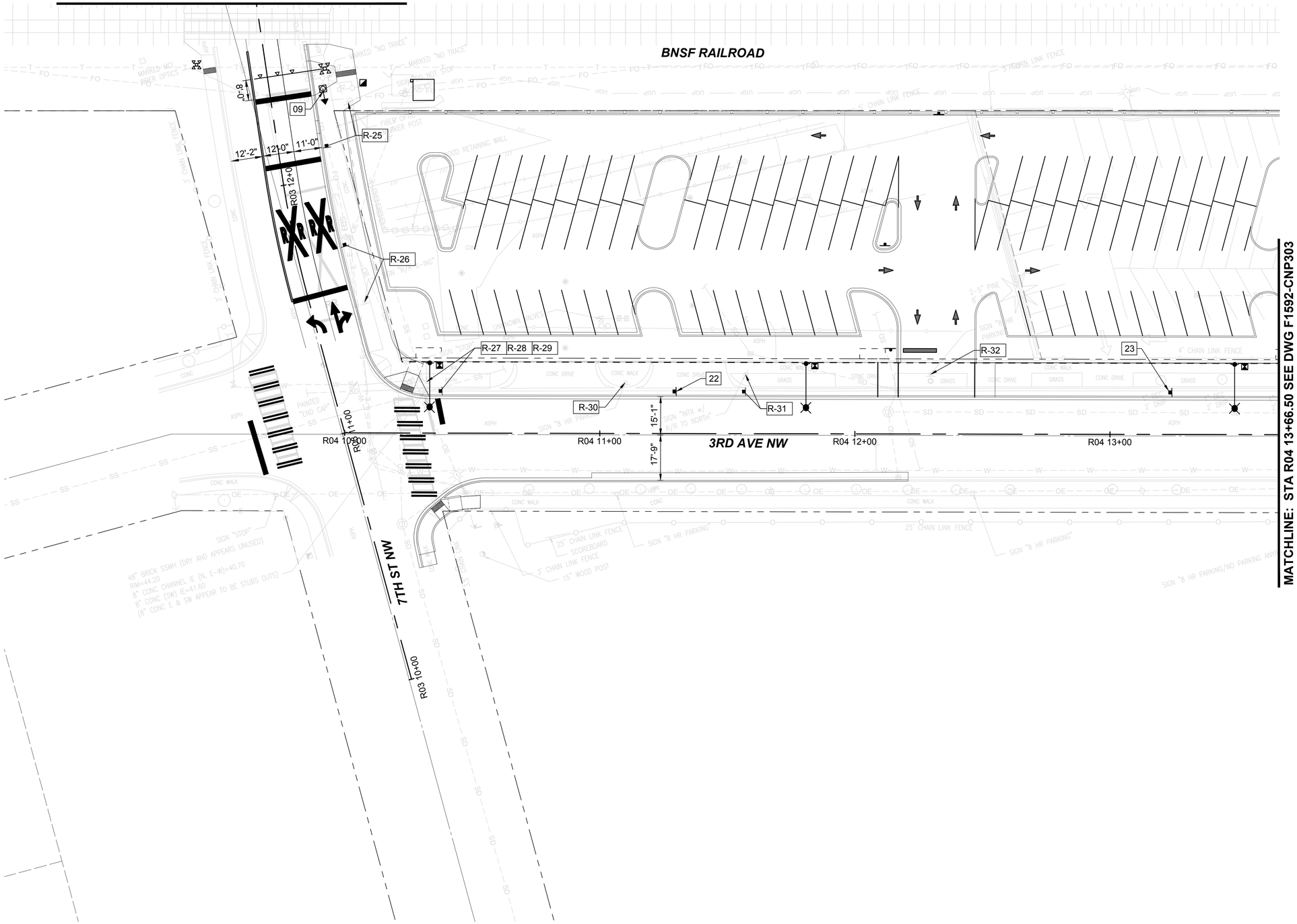
PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
CIVIL
SIGNAGE PLAN

DRAWING No.: F1592-CNP301
FACILITY ID: F1592
SHEET No.: 72
REV: 0

06/26/23 | 12:53 PM | JONC
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Xrefs:
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xS317-F1592-VRX100
xS317-F1592-CSP100
xS317-F1592-CMP100
xGB-TB22x34
xS317-F1592-CLP100
xS317-F1592-TSP100

MATCHLINE: STA R03 12+72.10 SEE DWG F1592-CNP301



GENERAL NOTES:

1. FOR SIGN SCHEDULE, SEE F1592-CNS301 AND F1592-CNS302.

CONSTRUCTION NOTES:

R-XX REMOVE, RELOCATE, OR REPLACE SIGN, SEE SCHEDULE

XX PROPOSED SIGN, SEE SCHEDULE

N

20 10 0 20 40

SCALE IN FEET

09/01/23 | 9:02 AM | JONC
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FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	04/17/2023	BSP	JGM	JGM	FINAL AS-BUILT

DESIGNED BY: B. PILON
DRAWN BY: J. CURTIS
CHECKED BY: J. MATTHEWS
APPROVED BY: J. MATTHEWS

kpff
SUBMITTED BY: SARA ROBERTS
DATE: 04/17/2023

HENSEL PHELPS Plan. Build. Manage.
kpff
REVIEWED BY: GREG SHIMIZU
DATE: 04/17/2023

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT
SUBMITTAL DATE: 04/17/2023

SCALE: 1"=20'
FILENAME: S317-F1592-CNP302
CONTRACT No.: RTA/CN 0612-18

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
CIVIL
SIGNAGE PLAN

DRAWING No.: F1592-CNP302
FACILITY ID: F1592
SHEET No.: 73
REV: 0

CONSTRUCTION NOTES:

Xrefs:
xS317-F1592-RPP100
xS317-F1592-VRX100
xS317-F1592-CSP100
xS317-F1592-CMP100
xGB-TB22x34
xS317-F1592-CLP100
xS317-F1592-TSP100

MATCHLINE: STA R04 13+67.36 SEE DWG F1592-CNP302

MATCHLINE: STA R06 16+56 SEE DWG F1592-CNP308

BNSF RAILROAD

3RD AVE NW

5TH ST NW

6TH ST NW

2ND AVE NW

R04 14+00

R04 15+00

R04 16+00

R05 10+00

R05 11+00

R05 12+00

R05 13+00

R06 13+45

R06 14+00

R06 15+00

R06 16+00

R= 25'

R-33 24 R-34 R-35 25 R-36 43 11 R-99 44 27 R-87 R-37 R-38 R-39 33 34 R-40 26 R-41 R-42 R-43 R-44 R-45 R-46 R-47 R-48 R-55 28 29 R-56 R-57 17 30 R-58 19 31 R-59 12 20 32 18 42 41 R-54 R-49 R-50 R-51 R-52 R-53 R-76 R-77 R-78 35 36 R-79 R-80

GENERAL NOTES:

1. FOR SIGN SCHEDULE, SEE F1592-CNS301 AND F1592-CNS302.

CONSTRUCTION NOTES:

R-XX REMOVE, RELOCATE, OR REPLACE SIGN, SEE SCHEDULE

XX PROPOSED SIGN, SEE SCHEDULE

N

20 10 0 20 40

SCALE IN FEET

MATCHLINE: STA R06 13+36.50 SEE DWG F1592-CNP308

No.	DATE	DSN	CHK	APP	REVISION
0	04/17/2023	BSP	JGM	JGM	FINAL AS-BUILT

FINAL AS-BUILT

DESIGNED BY: B. PILON
DRAWN BY: J. CURTIS
CHECKED BY: J. MATTHEWS
APPROVED BY: J. MATTHEWS

kpff

HENSEL PHELPS Plan. Build. Manage.

kpff

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT

SUBMITTED BY: SARA ROBERTS
DATE: 04/17/2023
REVIEWED BY: GREG SHIMIZU
DATE: 04/17/2023

SCALE: 1"=20'
FILENAME: S317-F1592-CNP303
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 04/17/2023

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS

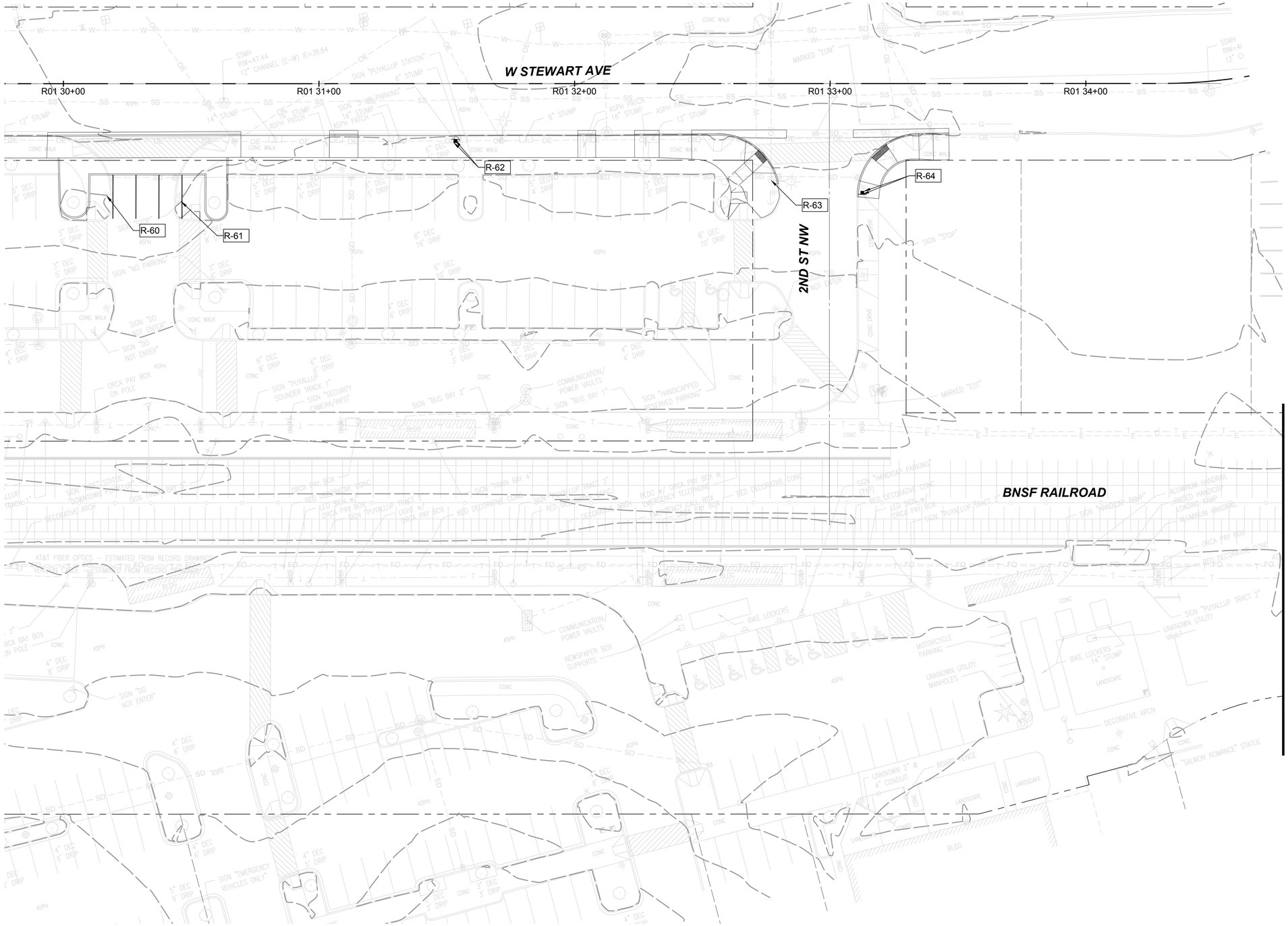
CIVIL
SIGNAGE PLAN

DRAWING No.: F1592-CNP303
FACILITY ID: F1592
SHEET No.: 74
REV: 0

06/26/23 | 1:00 PM | JONC
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Xrefs:
xS317-F1592-RPP10
xS317-F1592-VRX10
xS317-F1592-CSP10
xS317-F1592-CMP10
xGB-TB22x34
xS317-F1592-TSP10
xS317-F1592-CLP10

05/04/23 | 3:02 PM | JONC
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GENERAL NOTES:

1. FOR SIGN SCHEDULE, SEE F1592-CNS301 AND F1592-CNS302.

CONSTRUCTION NOTES:

R-XX REMOVE, RELOCATE, OR REPLACE SIGN, SEE SCHEDULE

XX PROPOSED SIGN, SEE SCHEDULE

20 10 0 20 40
SCALE IN FEET

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	04/17/2023	BSP	JGM	JGM	FINAL AS-BUILT

DESIGNED BY: B. PILON
DRAWN BY: J. CURTIS
CHECKED BY: J. MATTHEWS
APPROVED BY: J. MATTHEWS

kpff
SUBMITTED BY: SARA ROBERTS
DATE: 04/17/2023

HENSEL PHELPS Plan. Build. Manage.
kpff
REVIEWED BY: GREG SHIMIZU
DATE: 04/17/2023

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT
SUBMITTAL DATE: 04/17/2023

SCALE: 1"=20'
FILENAME: S317-F1592-CNP305
CONTRACT No.: RTA/CN 0612-18

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
CIVIL
SIGNAGE PLAN

DRAWING No.: F1592-CNP305
FACILITY ID: F1592
SHEET No.: 75
REV: 0

MATCHLINE: STA R01 34+64.20 SEE DWG F1592-CNP306

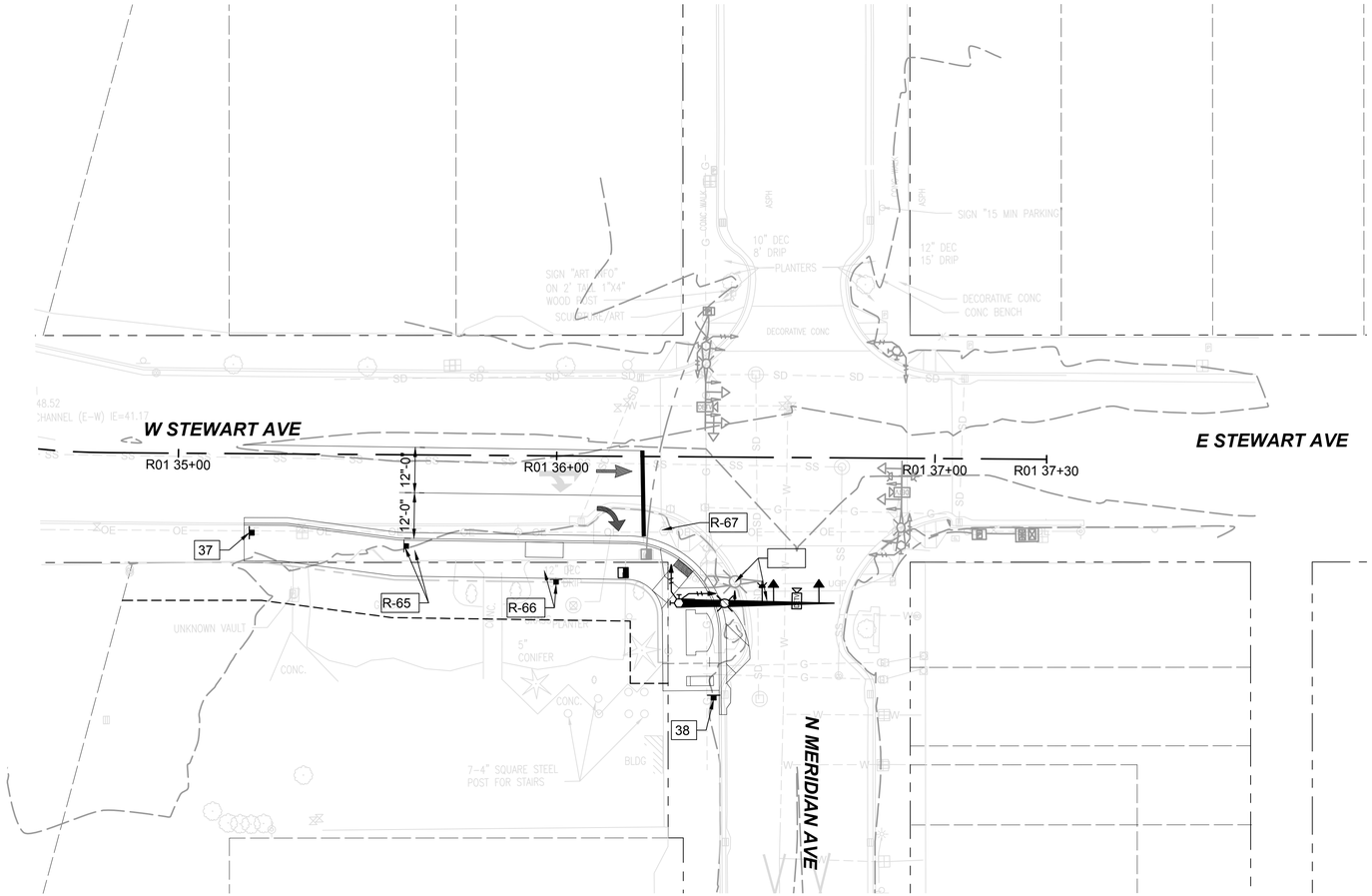
Xrefs:
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xS317-F1592-CSP10
xS317-F1592-CMP10
xGB-TB22x34
xS317-F1592-CLP10
xS317-F1592-TSP10

GENERAL NOTES:

1. FOR SIGN SCHEDULE, SEE F1592-CNS301 AND F1592-CNS302.

R-XX REMOVE, RELOCATE, OR REPLACE SIGN, SEE SCHEDULE

XX PROPOSED SIGN, SEE SCHEDULE



20 10 0 20 40

SCALE IN FEET

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	04/17/2023	BSP	JGM	JGM	FINAL AS-BUILT

DESIGNED BY: B. PILON
DRAWN BY: J. CURTIS
CHECKED BY: J. MATTHEWS
APPROVED BY: J. MATTHEWS

kpff

SUBMITTED BY: SARA ROBERTS

HENSEL PHELPS
Plan. Build. Manage.
kpff

DATE: 04/17/2023
REVIEWED BY: GREG SHIMIZU

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT

DATE: 04/17/2023

SCALE: 1"=20'
FILENAME: S317-F1592-CNP306
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 04/17/2023

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
CIVIL
SIGNAGE PLAN

DRAWING No.: F1592-CNP306
FACILITY ID: F1592
SHEET No.: 76
REV.: 0

05/04/23 | 3:02 PM | JONC
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CONSTRUCTION NOTES:

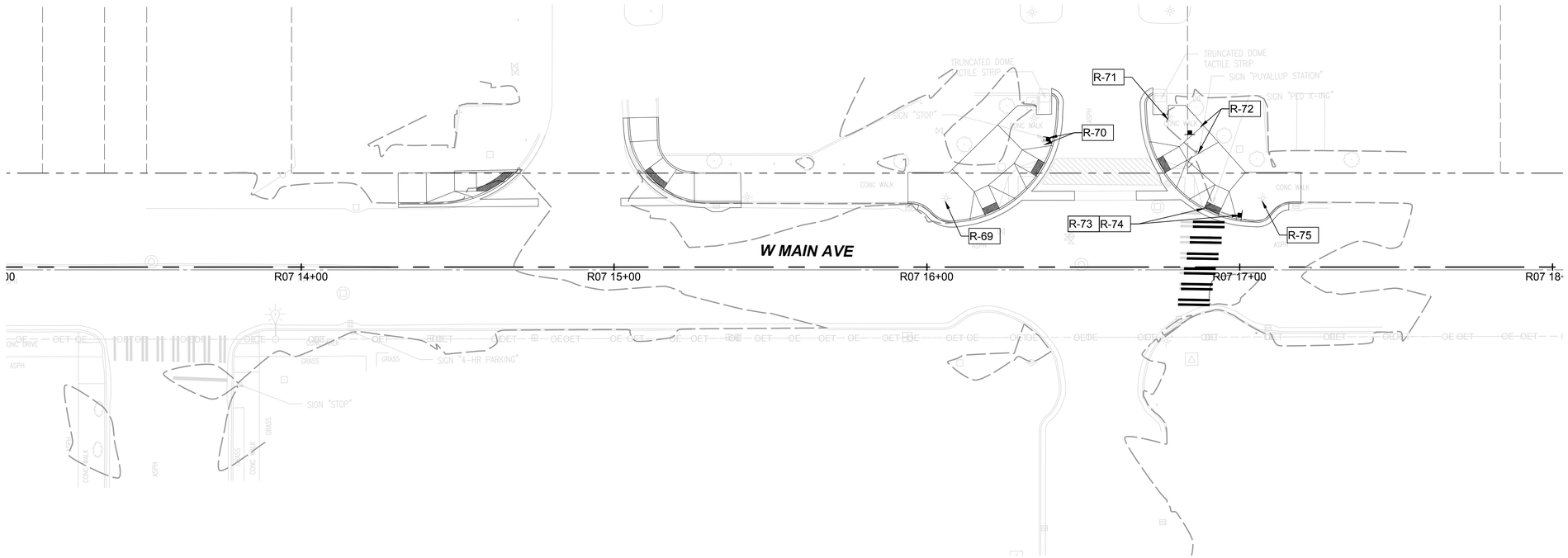
Xrefs:
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xS317-F1592-CSP100
xS317-F1592-CDP100
xS317-F1592-CMP100
xGB-TB22x34
xS317-F1592-CLP100
xS317-F1592-TSP100

GENERAL NOTES:

1. FOR SIGN SCHEDULE, SEE F1592-CNS301 AND F1592-CNS302.

R-XX REMOVE, RELOCATE, OR REPLACE SIGN, SEE SCHEDULE

XX PROPOSED SIGN, SEE SCHEDULE



20 10 0 20 40
SCALE IN FEET

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	04/17/2023	BSP	JGM	JGM	FINAL AS-BUILT

DESIGNED BY: B. PILON
DRAWN BY: J. CURTIS
CHECKED BY: J. MATTHEWS
APPROVED BY: J. MATTHEWS

kpff — SUBMITTED BY: SARA ROBERTS — DATE: 04/17/2023

HENSEL PHELPS Plan. Build. Manage. kpff — REVIEWED BY: GREG SHIMIZU — DATE: 04/17/2023

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT — SUBMITTAL DATE: 04/17/2023

SCALE: 1"=20'
FILENAME: S317-F1592-CNP307
CONTRACT No.: RTA/CN 0612-18

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
CIVIL
SIGNAGE PLAN

DRAWING No.: F1592-CNP307
FACILITY ID: F1592
SHEET No.: 77
REV: 0

05/04/23 | 3:03 PM | JONC
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CONSTRUCTION NOTES:

Xrefs:
xS317-F1592-RPP10
xS317-F1592-VRX10
xS317-F1592-CSP10
xS317-F1592-CDP10
xS317-F1592-CMP10
xGB-TB22x34
xS317-F1592-CLP10
xS317-F1592-TSP10

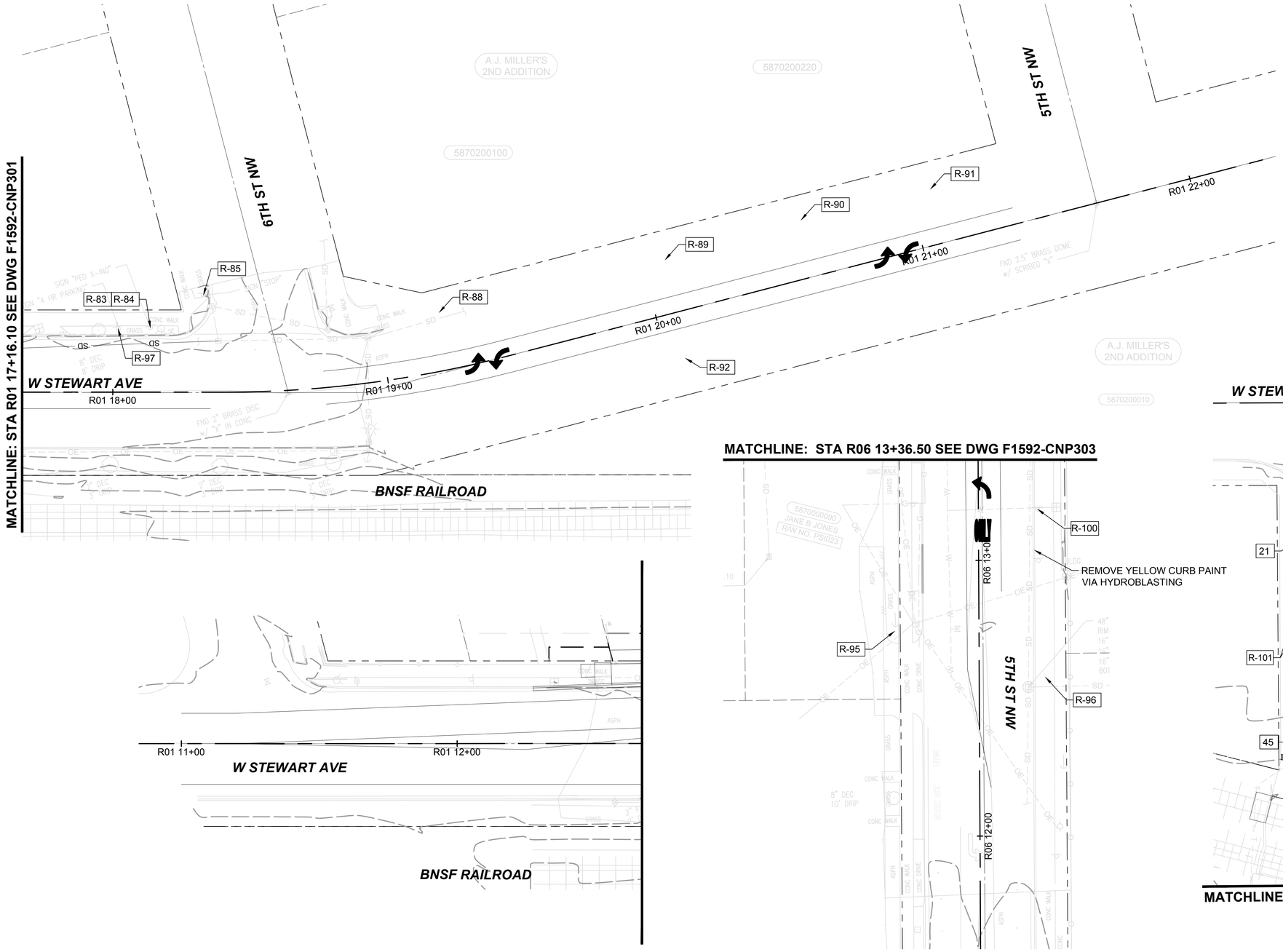
GENERAL NOTES:

1. FOR SIGN SCHEDULE, SEE F1592-CNS301 AND F1592-CNS302.
2. REFERENCE PUYALLUP STANDARD DETAIL 01.04.01 THRU 01.04.05 FOR ALL SIGNAGE WORK.
3. SIGN PLACEMENT SHALL MEET CURRENT ADA REQUIREMENTS.

CONSTRUCTION NOTES:

R-XX REMOVE, RELOCATE, OR REPLACE SIGN, SEE SCHEDULE

XX PROPOSED SIGN, SEE SCHEDULE



N

20 10 0 20 40
SCALE IN FEET

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	04/17/2023	BSP	JGM	JGM	FINAL AS-BUILT

DESIGNED BY: B. PILON
DRAWN BY: J. CURTIS
CHECKED BY: J. MATTHEWS
APPROVED BY: J. MATTHEWS

kpff

HENSEL PHELPS Plan. Build. Manage.
kpff

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT

SUBMITTED BY: SARA ROBERTS
DATE: 04/17/2023
REVIEWED BY: GREG SHIMIZU
DATE: 04/17/2023
SCALE: 1"=20'
FILENAME: S317-F1592-CNP308
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 04/17/2023

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
CIVIL
SIGNAGE PLAN

DRAWING No.: F1592-CNP308
FACILITY ID: F1592
SHEET No.: 78
REV: 0

06/26/23 | 1:20 PM | JONC
Z:\1900001-1900999\1900096 ST PUYALLUP DB GARAGE\CADD\DESIGN\S317-F1592-CNP308.DWG

MATCHLINE: STA R01 12+67.00 SEE DWG F1592-CNP301

Xrefs:
xGB-TB22x34

ROADWAY SIGN SCHEDULE (REMOVE, RELOCATE, OR MAINTAIN)

Sign No.	Sign Code	Sign Description	Drawing No.	Remarks	Sign Size	Existing Location (*not surveyed)	Proposed Location
R-00	W10-2[RT]	CROSSROADS RAILROAD SIGN	F1592-CNP301	RELOCATE EXISTING SIGN AND POST	EXISTING	R01 14+67.76, 26.65' RT	R01 13+94.72, 22.10' RT
R-01	R7-108[MOD]	4 HOUR PARKING	F1592-CNP301	REMOVE EXISTING SIGN AND POST	EXISTING	*R01 13+10.50, 24.09' LT	N/A
R-02	R8-3AP[MOD]	EXCEPT W/ RESIDENTIAL PERMIT	F1592-CNP301	REMOVE EXISTING SIGN	EXISTING	*R01 13+10.50, 24.09' LT	N/A
R-03	R7-108[MOD]	4 HOUR PARKING	F1592-CNP301	REMOVE EXISTING SIGN AND POST	EXISTING	*R01 14+03.57, 23.74' LT	N/A
R-04	R8-3AP[MOD]	EXCEPT W/ RESIDENTIAL PERMIT	F1592-CNP301	REMOVE EXISTING SIGN	EXISTING	*R01 14+03.57, 23.74' LT	N/A
R-05	[ST]	BUS STOP	F1592-CNP301	RELOCATE EXISTING SIGN AND POST	EXISTING	R01 14+16.66, 23.14' LT	R01 14+15.84, 26.12' LT
R-06	R7-102	NO PARKING ANY TIME	F1592-CNP301	REMOVE EXISTING SIGN AND POST	EXISTING	R01 14+48.18, 23.48' LT	R01 14+48.02, 26.10' LT
R-07	D3-103	W STEWART	F1592-CNP301	RELOCATE EXISTING SIGN AND POST	EXISTING	R02 10+51.58, 24.38' LT	R02 10+61.78, 25.16' LT
R-08	D3-103	7 ST NW	F1592-CNP301	RELOCATE EXISTING SIGN	EXISTING	R02 10+51.58, 24.38' LT	BELOW SIGN R-07
R-09	R1-1	STOP SIGN	F1592-CNP301	TEMPORARILY RELOCATE EXISTING SIGN VIA CONTRACTOR MEANS/ METHODS. REMOVE WHEN SIGNAL OPERATIONAL	EXISTING	R02 10+51.58, 24.38'LT	N/A
R-10	W11-2	PEDESTRIAN CROSSING	F1592-CNP301	FOR RRFB POLE SIGNAGE, SEE F1592-TSP101	EXISTING	R01 15+90.67, 28.49' LT	N/A
R-11	W11-2	PEDESTRIAN CROSSING	F1592-CNP301		EXISTING	R01 15+90.67, 28.49' LT	
R-12	W16-7PL	ARROW	F1592-CNP301		EXISTING	R01 15+90.67, 28.49' LT	
R-13	W16-7PR	ARROW	F1592-CNP301		EXISTING	R01 15+90.67, 28.49' LT	
R-14	R10-4	PUSH BUTTON FOR WALK SIGNAL	F1592-CNP301		EXISTING	R01 15+90.67, 28.49' LT	
R-15	R7-102	NO PARKING ANY TIME	F1592-CNP301	REMOVE SIGN AND POST	EXISTING	R01 16+61.05, 22.60' LT	N/A
R-16	W10-3	CROSSROADS RAILROAD SIGN	F1592-CNP301	REMOVE EXISTING SIGN AND POST	EXISTING	R01 17+02.82, 23.66' LT	R01 16+45.47, 23.06' LT
R-17	[ST]	BUS STOP	F1592-CNP301	RELOCATE EXISTING SIGN AND POST	EXISTING	R01 16+46.24, 24.93' RT	R01 16+45.90, 23.66' RT
R-18	W11-2	PEDESTRIAN CROSSING	F1592-CNP301	FOR RRFB POLE SIGNAGE, SEE F1592-TSP101	EXISTING	R01 16+01.48,25.53' RT	N/A
R-19	W11-2	PEDESTRIAN CROSSING	F1592-CNP301		EXISTING	R01 16+01.48,25.53' RT	
R-20	W16-7PL	ARROW	F1592-CNP301		EXISTING	R01 16+01.48,25.53' RT	
R-21	W16-7PR	ARROW	F1592-CNP301		EXISTING	R01 16+01.48,25.53' RT	
R-22	R10-4	PUSH BUTTON FOR WALK SIGNAL	F1592-CNP301		EXISTING	R01 16+01.48,25.53' RT	
R-23	D3-103	7 ST NW	F1592-CNP301	RELOCATE EXISTING SIGN AND POST	EXISTING	R03 12+84.23, 22.79' RT	R03 12+83.30, 24.10' RT
R-24	R1-1	STOP SIGN	F1592-CNP301	TEMPORARILY RELOCATE EXISTING SIGN VIA CONTRACTOR MEANS/ METHODS. REMOVE WHEN SIGNAL OPERATIONAL	EXISTING	R03 12+84.23, 22.79' RT	N/A
R-25	R8-8	DO NOT STOP ON TRACKS	F1592-CNP302	RELOCATE EXISTING SIGN AND POST	EXISTING	R03 12+28.40, 29.89' RT	R03 12+12.17, 18.99' RT
R-26	W10-1	RAILROAD ADVANCE SIGN	F1592-CNP302	RELOCATE EXISTING SIGN AND POST	EXISTING	R03 11+47.43, 21.00' RT	R03 11+47.41, 19.00' RT
R-27	D3-103	7 ST NW	F1592-CNP302	RELOCATE EXISTING SIGN AND POST	EXISTING	R04 10+32.14, 20.11' LT	R04 10+38.17, 16.50' LT
R-28	D3-103	3 AVE NW	F1592-CNP302	RELOCATE EXISTING SIGN	EXISTING	R04 10+32.14, 20.11' LT	BELOW SIGN R-27
R-29	R1-1	STOP SIGN	F1592-CNP302	RELOCATE EXISTING SIGN PER STD DETAIL 01.04.02	EXISTING	R04 10+32.14, 20.11' LT	BELOW SIGN R-28
R-30	R7-108[MOD]	8 HOUR PARKING	F1592-CNP302	REMOVE EXISTING SIGN AND POST	EXISTING	R04 11+09.97, 19.88' LT	N/A
R-31	W10-2[RT]	CROSSROADS RAILROAD SIGN	F1592-CNP302	RELOCATE EXISTING SIGN AND POST	EXISTING	R04 11+57.09, 16.50' LT	R04 11+57.10, 23.18' LT
R-32	R7-108[MOD]	8 HOUR PARKING	F1592-CNP302	REMOVE EXISTING SIGN AND POST	EXISTING	R04 12+29.64, 23.39' LT	N/A

ROADWAY SIGN SCHEDULE (REMOVE, RELOCATE, OR MAINTAIN)

Sign No.	Sign Code	Sign Description	Drawing No.	Remarks	Sign Size	Existing Location (*not surveyed)	Proposed Location
R-33	R7-108[MOD]	8 HOUR PARKING	F1592-CNP303	REMOVE EXISTING SIGN AND POST	EXISTING	R04 13+75.91, 23.75' LT	N/A
R-34	D3-103	3 AVE NW	F1592-CNP303	RELOCATE EXISTING SIGN AND POST	EXISTING	R04 14+61.32, 27.99' LT	R04 14+31.51, 16.50' LT
R-35	D3-103	6 ST NW	F1592-CNP303	RELOCATE EXISTING SIGN	EXISTING	R04 14+61.32, 27.99' LT	BELOW SIGN R-34
R-36	R7-108[MOD]	8 HOUR PARKING	F1592-CNP303	REMOVE EXISTING SIGN AND POST	EXISTING	R04 15+21.96, 21.31' LT	N/A
R-37	D3-103	5 ST NW	F1592-CNP303	MAINTAIN EXISTING SIGN AND POST	EXISTING	R05 13+09.76, 17.60' RT	N/A
R-38	D3-103	2 AVE NW	F1592-CNP303	MAINTAIN EXISTING SIGN	EXISTING	R05 13+09.76, 17.60' RT	N/A
R-39	R1-1	STOP SIGN	F1592-CNP303	MAINTAIN EXISTING SIGN	EXISTING	R05 13+09.76, 17.60' RT	N/A
R-40	R2-1	30 MPH	F1592-CNP303	RELOCATE EXISTING SIGN AND POST	EXISTING	R06 14+35.41, 21.87' LT	R06 13+44.00, 21.77' LT
R-41	D3-103	5 ST NW	F1592-CNP303	REMOVED IN PRIOR PHASE OF WORK	EXISTING	R06 14+71.26, 34.87' LT	N/A
R-42	D3-103	3 AVE NW	F1592-CNP303	REMOVED IN PRIOR PHASE OF WORK	EXISTING	R06 14+71.26, 34.87' LT	N/A
R-43	R1-1	STOP SIGN	F1592-CNP303	REMOVED IN PRIOR PHASE OF WORK	EXISTING	R06 14+71.26, 34.87' LT	N/A
R-44	W11-2	ADVANCE PEDESTRIAN CROSSING	F1592-CNP303	REMOVED IN PRIOR PHASE OF WORK	EXISTING	R06 15+40.32, 24.92' LT	N/A
R-45	W11-2	ADVANCE PEDESTRIAN CROSSING	F1592-CNP303		EXISTING	R06 15+40.32, 24.92' LT	
R-46	W16-7PL	ARROW	F1592-CNP303		EXISTING	R06 15+40.32, 24.92' LT	
R-47	W16-7PR	ARROW	F1592-CNP303		EXISTING	R06 15+40.32, 24.92' LT	
R-48	R10-4	PUSH BUTTON FOR WALK SIGNAL	F1592-CNP303		EXISTING	R06 15+40.32, 24.92' LT	
R-49	W11-2	ADVANCE PEDESTRIAN CROSSING	F1592-CNP303	REMOVED IN PRIOR PHASE OF WORK	EXISTING	R06 15+26.52, 28.60' RT	N/A
R-50	W11-2	ADVANCE PEDESTRIAN CROSSING	F1592-CNP303		EXISTING	R06 15+26.52, 28.60' RT	
R-51	W16-7PL	ARROW	F1592-CNP303		EXISTING	R06 15+26.52, 28.60' RT	
R-52	W16-7PR	ARROW	F1592-CNP303		EXISTING	R06 15+26.52, 28.60' RT	
R-53	R10-4	PUSH BUTTON FOR WALK SIGNAL	F1592-CNP303		EXISTING	R06 15+26.52, 28.60' RT	
R-54	[ST]	PUYALLUP STATION SIGN	F1592-CNP303	REMOVED IN PRIOR PHASE OF WORK	EXISTING	*R06 15+26.52, 28.60' RT	N/A
R-55	R7-102	NO PARKING ANY TIME	F1592-CNP303	RELOCATE EXISTING SIGN AND POST ANGLE SIGN 45 DEGREES	EXISTING	R06 15+72.08, 21.45' LT	R06 15+72.69, 20.66' LT
R-56	W11-2	ADVANCE PEDESTRIAN CROSSING	F1592-CNP303	REMOVED IN PRIOR PHASE OF WORK	EXISTING	R06 16+00.11, 23.42' LT	R06 16+00.09, 20.50' LT
R-57	W16-9P	AHEAD	F1592-CNP303	REMOVED IN PRIOR PHASE OF WORK	EXISTING	R06 16+00.11, 23.42' LT	BELOW SIGN R-56
R-58	R8-8	DO NOT STOP ON TRACKS	F1592-CNP303	RELOCATE EXISTING SIGN AND POST	EXISTING	R06 16+29.58, 22.96' LT	R06 16+29.54, 21.31' LT
R-59	R8-8	DO NOT STOP ON TRACKS	F1592-CNP303	RELOCATE EXISTING SIGN AND POST	EXISTING	R06 16+00.96, 31.87' RT	R06 16+06.00, 28.0' RT
R-60	R7-108[MOD]	24 HOUR PARKING	F1592-CNP305	REMOVE EXISTING SIGN ON POLE	EXISTING	R01 30+16.91, 43.77' RT	N/A
R-61	R1-1	STOP SIGN	F1592-CNP305	REMOVE EXISTING SIGN AND POST	EXISTING	R01 30+45.89, 45.98' RT	N/A
R-62	R7-108[MOD]	3 HOUR PARKING	F1592-CNP305	RELOCATE EXISTING SIGN AND POST	EXISTING	R01 31+53.40, 22.25' RT	R01 31+53.39, 21.82' RT
R-63	R7-108[MOD]	24 HOUR PARKING	F1592-CNP305	MAINTAIN EXISTING SIGN ON POLE	EXISTING	R01 32+76.87, 37.92' RT	N/A
R-64	R1-1	STOP SIGN	F1592-CNP305	RELOCATE EXISTING SIGN AND POST PER STD DETAIL 01.04.02	EXISTING	R01 33+12.67, 43.41' RT	R01 33+12.54, 43.39' RT
R-65	R7-108[MOD]	3 HOUR PARKING	F1592-CNP306	REMOVE EXISTING SIGN AND POST	EXISTING	*R01 35+59.78, 24.09' RT	N/A

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
	04/17/2023	BSP	JGM	JGM	FINAL AS-BUILT

DESIGNED BY: B. PILON
DRAWN BY: J. CURTIS
CHECKED BY: J. MATTHEWS
APPROVED BY: J. MATTHEWS

kpff
SUBMITTED BY: SARA ROBERTS

HENSEL PHELPS
Plan. Build. Manage.
kpff
DATE: 04/17/2023
REVIEWED BY: GREG SHIMIZU

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT
DATE: 04/17/2023

SCALE: 1"=20'
FILENAME: S317-F1592-CNS301
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 04/17/2023

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
CIVIL
SIGNAGE SCHEDULE

DRAWING No.: F1592-CNS301
FACILITY ID: F1592
SHEET No.: 79
REV: 0

05/04/23 | 3:03 PM | JONC
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Xrefs:
xGB-TB22x34

ROADWAY SIGN SCHEDULE (PROPOSED)

Sign No.	Sign Code	Sign Description	Drawing No.	Remarks	Sign Size W" X H"	Proposed Location
03	W10-1	RAILROAD CROSSING	F1592-CNP301	INSTALL NEW POST AND SIGN	36 X 36	R02 11+94.59, 22.11' LT
04	W10-2 L	CROSSROADS RAILROAD SIGN	F1592-CNP301	INSTALL NEW POST AND SIGN	36 X 36	R01 16+45.47, 23.06' LT
05	R9-3a	NO PEDESTRIAN CROSSING	F1592-CNP301	INSTALL NEW POST AND SIGN	18 X 18	R03 12+97.60, 26.15' LT
06	R9-3a	NO PEDESTRIAN CROSSING	F1592-CNP301	INSTALL UNDER SIGN R-24	18 X 18	R03 12+84.54, 25.02' RT
07	R10-11B	NO TURN ON RED	F1592-CNP301	MOUNT ON SIGNAL MAST ARM	30 X 36	R01 15+14.46, 26.27' RT
08	R7-102 R	NO PARKING ANY TIME	F1592-CNP301	INSTALL UNDER SIGN R-17* ANGLE SIGN 45 DEGREES	12 X 18	R01 16+45.90, 23.66' RT
09	R10-6	STOP HERE ON RED	F1592-CNP302	INSTALL NEW SIGN ON SIGNAL POLE. DO NOT BLOCK RR FLASHERS	24 X 36	R03 12+40.00, 19.00' RT
11	R3-5 R	RIGHT TURN	F1592-CNP303	INSTALL NEW POST AND SIGN	24 X 30	R05 12+42.09, 16.72' RT
12	R10-6	STOP HERE ON RED	F1592-CNP303	INSTALL NEW SIGN ON SIGNAL POLE. DO NOT BLOCK RR FLASHERS	24 X 36	R06 16+12.32, 27.00' RT
17	R9-3B R	USE CROSSWALK	F1592-CNP303	INSTALL NEW POST AND SIGN	12 X 18	R06 15+88.14, 31.25' LT
18	R9-3B L	USE CROSSWALK	F1592-CNP303	INSTALL NEW POST AND SIGN EAST FACING	12 X 18	R06 15+87.81, 28.21' RT
19	R9-3	NO PEDESTRIAN CROSSING	F1592-CNP303	INSTALL NEW POST AND SIGN	18 X 18	R06 16+26.29, 30.72' LT
20	R9-3	NO PEDESTRIAN CROSSING	F1592-CNP303	INSTALL NEW POST AND SIGN	18 X 18	R06 16+28.23, 23.50' LT
21	W10-1	RAILROAD CROSSING	F1592-CNP308	INSTALL NEW POST AND SIGN	36 X 36	R06 17+74.89, 19.54' LT
22	R7-102 B	NO PARKING ANY TIME	F1592-CNP302	INSTALL NEW POST AND SIGN* ANGLE SIGN 45 DEGREES	12 X 18	R04 11+29.90, 16.50' LT
23	R7-102 B	NO PARKING ANY TIME	F1592-CNP302	INSTALL NEW POST AND SIGN* ANGLE SIGN 45 DEGREES	12 X 18	R04 13+24.22, 16.50' LT
24	R7-102 B	NO PARKING ANY TIME	F1592-CNP303	INSTALL NEW POST AND SIGN* ANGLE SIGN 45 DEGREES	12 X 18	R04 14+21.38, 16.50' LT
25	R7-102 B	NO PARKING ANY TIME	F1592-CNP303	INSTALL NEW POST AND SIGN* ANGLE SIGN 45 DEGREES	12 X 18	R04 16+01.17, 16.50' LT
26	R7-102	NO PARKING ANY TIME	F1592-CNP303	INSTALL NEW POST AND SIGN* ANGLE SIGN 45 DEGREES	12 X 18	R05 13+00.55, 17.50' LT
27	R7-102	NO PARKING ANY TIME	F1592-CNP303	INSTALL NEW SIGN ON R-87 POST*	12 X 18	R05 10+81.42, 18.00' RT
28	R9-3	NO PEDESTRIAN CROSSING	F1592-CNP303	INSTALL NEW POST AND SIGN	18 X 18	R06 15+67.91, 21.50' LT
29	R9-3B L	USE CROSSWALK	F1592-CNP303	INSTALL BELOW SIGN 28	12 X 18	R06 15+67.91, 21.50' LT
30	R9-3B L	USE CROSSWALK	F1592-CNP303	INSTALL BELOW SIGN 17	12 X 18	R06 15+91.46, 31.25' LT
31	R9-3B R	USE CROSSWALK	F1592-CNP303	INSTALL BELOW SIGN 19	12 X 18	R06 16+26.29, 30.72' LT
32	R9-3B L	USE CROSSWALK	F1592-CNP303	INSTALL BELOW SIGN 20	12 X 18	R06 16+27.31, 23.51' RT
33	R9-3	NO PEDESTRIAN CROSSING	F1592-CNP303	INSTALL NEW POST AND SIGN	18 X 18	R06 13+66.63, 23.13' LT
34	R9-3B L	USE CROSSWALK	F1592-CNP303	INSTALL BELOW SIGN 33	12 X 18	R06 13+66.63, 23.13' LT
35	R9-3	NO PEDESTRIAN CROSSING	F1592-CNP303	INSTALL NEW POST AND SIGN	18 X 18	R06 13+79.34, 22.59' RT
36	R9-3B R	USE CROSSWALK	F1592-CNP303	INSTALL BELOW SIGN 35	12 X 18	R06 13+79.34, 22.59' RT
37	R7-1 L	NO PARKING ANY TIME	F1592-CNP306	INSTALL NEW POST AND SIGN*	12 X 18	R01 35+19.51, 20.87' RT
38	R7-1 R	NO PARKING ANY TIME	F1592-CNP306	INSTALL NEW POST AND SIGN*	12 X 18	R01 36+41.93, 63.56' RT
39	R9-3B L	USE CROSSWALK	F1592-CNP301	INSTALL BELOW SIGN 05	12 X 18	R03 12+97.60, 26.15' LT
40	R9-3B R	USE CROSSWALK	F1592-CNP301	INSTALL BELOW SIGN 06	12 X 18	R03 12+84.54. 25.02' RT
41	R9-3	NO PEDESTRIAN CROSSING	F1592-CNP303	INSTALL ON 18, WEST FACING	18 X 18	R06 15+87.81, 28.21' RT
42	R9-3B R	USE CROSSWALK	F1592-CNP303	INSTALL BELOW 41, WEST FACING	12 X 18	R06 15+87.81, 28.21' RT
43	R7-102 B	NO PARKING ANY TIME	F1592-CNP303	INSTALL NEW POST AND SIGN*	12 X 18	R05 11+98.00, 17.50' LT
44	R7-102 B	NO PARKING ANY TIME	F1592-CNP303	INSTALL NEW SIGN ON R-99 POST*	12 X 18	R05 12+10.25, 17.35' RT
45	R10-6 L	STOP HERE ON RED	F1592-CNP308	INSTALL NEW POST AND SIGN	24 X 36	R06 16+94.68, 19.97' LT

ROADWAY SIGN SCHEDULE (REMOVE, RELOCATE, OR MAINTAIN)

SIGN NO.	SIGN CODE	SIGN DESCRIPTION	DRAWING NO.	REMARKS	SIGN SIZE	EXISTING LOCATION (*NOT SURVEYED)	PROPOSED LOCATION
R-66	[PRIVATE]	INFORMATIONAL SIGN	F1592-CNP306	RELOCATE EXISTING SIGN AND POST	EXISTING	*R01 35+99.92, 24.36' RT	R01 35+99.92, 34.50' RT
R-67	R10-4	PUSH BUTTON FOR WALK SIGNAL	F1592-CNP306	REMOVE EXISTING SIGN	EXISTING	*R01 36+40.95, 33.67' RT	N/A
R-68	D3-301[MOD]	E <STEWART> W	F1592-CNP306	RELOCATE W/ SIGNAL MAST ARM	EXISTING	R01 36+40.95, 33.67' RT	RELOCATE W/ MAST ARM
R-69	R7-108[MOD]	3 HOUR PARKING	F1592-CNP307	PROTECT LAMP POST AND MAINTAIN SIGN	EXISTING	R07 16+05.86, 20.99' LT	N/A
R-70	R1-1	STOP SIGN	F1592-CNP307	RELOCATE EXISTING SIGN AND POST PER STD DETAIL 01.04.02	EXISTING	R07 16+36.72, 39.03' LT	R07 16+38.87, 41.46' LT
R-71	[ST]	INFORMATIONAL SIGN	F1592-CNP307	PROTECT POLE AND MAINTAIN SIGN	EXISTING	R07 16+77.16, 47.04' LT	N/A
R-72	[ST]	PUYALLUP STATION SIGN	F1592-CNP307	RELOCATE EXISTING SIGN AND POLE	EXISTING	R07 16+86.55, 36.16' LT	R07 16+87.17, 44.37' LT
R-73	W11-2	ADVANCE PEDESTRIAN CROSSING	F1592-CNP307	RELOCATE EXISTING SIGN AND POST	EXISTING	R07 16+91.03, 19.05' LT	R07 17+00.62, 16.52' LT
R-74	W16-7PL	ARROW	F1592-CNP307	RELOCATE EXISTING SIGN	EXISTING	R07 16+91.03, 19.05' LT	BELOW SIGN R-73
R-75	R7-108[MOD]	2 HOUR PARKING	F1592-CNP307	MAINTAIN EXISTING SIGN	EXISTING	R07 17+07.08, 21.14' LT	N/A
R-76	W10-1	RAILROAD ADVANCE SIGN	F1592-CNP303	RELOCATE EXISTING SIGN AND POST	EXISTING	R06 14+90.99, 27.68' RT	R06 14.90.98, 21.96' RT
R-77	R7-102	NO PARKING ANY TIME	F1592-CNP303	RELOCATE EXISTING SIGN AND POST ANGLE SIGN 45 DEGREES	EXISTING	R06 14+72.42, 21.66' RT	R06 14+72.42, 21.95' RT
R-78	R7-108[MOD]	3 HOUR PARKING	F1592-CNP303	REMOVE EXISTING SIGN AND POST	EXISTING	R06 14+01.27, 21.77' RT	N/A
R-79	W11-2	ADVANCE PEDESTRIAN CROSSING	F1592-CNP303	REMOVED IN PRIOR PHASE OF WORK	EXISTING	R06 13+75.26, 26.83' RT	N/A
R-80	W16-9P	AHEAD	F1592-CNP303	REMOVED IN PRIOR PHASE OF WORK	EXISTING	R06 13+75.26, 26.83' RT	N/A
R-81	W11-2	ADVANCE PEDESTRIAN CROSSING	F1592-CNP301	REMOVE EXISTING SIGNS AND POSTS WITH RRFB REMOVAL ONLY. RRFB'S SHALL BE REMOVED WHEN NEW SIGNAL IS OPERATIONAL.	EXISTING	R01 13+24.58, 23.58' RT	N/A
R-82	W16-9P	AHEAD	F1592-CNP301		EXISTING	R01 13+24.58, 23.58' RT	N/A
R-83	W11-2	ADVANCE PEDESTRIAN CROSSING	F1592-CNP308		EXISTING	R01 18+13.67, 23.37' LT	N/A
R-84	W16-9P	AHEAD	F1592-CNP308		EXISTING	R01 18+13.67, 23.37' LT	N/A
R-85	R1-1	STOP SIGN	F1592-CNP308	MAINTAIN EXISTING SIGN	EXISTING	R01 18+18+32.93, 35.19' LT	N/A
R-86	W10-1	RAILROAD CROSSING	F1592-CNP308	MAINTAIN EXISTING SIGN	EXISTING	R06 17+46.78, 16.47' RT	N/A
R-87	R7-108[MOD]	8 HOUR PARKING	F1592-CNP303	REMOVE EXISTING SIGN	EXISTING	R05 10+81.42, 18.00' RT	N/A
R-88	R2-1	35 MPH	F1592-CNP308	MAINTAIN EXISTING SIGN	EXISTING	R01 19+23.22, 21.05' LT	N/A
R-89	R7-102	NO PARKING ANY TIME	F1592-CNP308	MAINTAIN EXISTING SIGN	EXISTING	R01 20+08.47, 19.48' LT	N/A
R-90	[ST]	BUS STOP	F1592-CNP308	MAINTAIN EXISTING SIGN	EXISTING	R01 20+59.81, 21.03' LT	N/A
R-91	R7-102	NO PARKING ANY TIME	F1592-CNP308	MAINTAIN EXISTING SIGN	EXISTING	R01 21+08.06, 20.06' LT	N/A
R-92	W10-2[RT]	CROSSROADS RAILROAD SIGN	F1592-CNP308	MAINTAIN EXISTING SIGN	EXISTING	R01 20+06.64, 17.02' RT	N/A
R-93	R7-108[MOD]	4 HOUR PARKING	F1592-CNP301	RELOCATE EXISTING SIGN AND POST	EXISTING	R02 10+91.79, 24.32' LT	R02 13+31.72, 22.08' LT
R-94	R7-108[MOD]	4 HOUR PARKING	F1592-CNP301	RELOCATE EXISTING SIGN AND POST	EXISTING	R02 11+02.24, 24.35' RT	R02 13+31.72, 21.90' RT
R-95	R7-102	NO PARKING ANY TIME	F1592-CNP308	REMOVE EXISTING SIGN AND POST	EXISTING	R06 12+74.42, 30.57' LT	N/A
R-96	R7-102	NO PARKING ANY TIME	F1592-CNP308	REMOVE EXISTING SIGN AND POST	EXISTING	R06 12+57.46, 24.04' RT	N/A
R-97	R7-108[MOD]	4 HOUR PARKING	F1592-CNP308	REMOVE EXISTING SIGN AND POST	EXISTING	R01 18+01.98, 23.05' LT	N/A
R-98	R7-108[MOD]	4 HOUR PARKING	F1592-CNP301	REMOVE EXISTING SIGN AND POST	EXISTING	R01 17+13.63, 23.31' LT	N/A
R-99	R7-108[MOD]	8 HOUR PARKING	F1592-CNP303	REMOVE EXISTING SIGN	EXISTING	R05 12+10.25, 17.35' RT	N/A
R-100	R7-108[MOD]	3 HOUR PARKING	F1592-CNP308	REMOVE EXISTING SIGN AND POST	EXISTING	R05 13+18.43, 21.46' RT	N/A
R-101	R1-2	YIELD	F1592-CNP308	RELOCATE EXISTING SIGN AND POST	EXISTING	R05 17+44.84, 23.02' LT	R05 17+44.89, 19.49' LT

SIGN NOTE:
*SEE COP STD PLAN 01.04.05.

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	04/17/2023	BSP	JGM	JGM	FINAL AS-BUILT

DESIGNED BY: B. PILON
DRAWN BY: J. CURTIS
CHECKED BY: J. MATTHEWS
APPROVED BY: J. MATTHEWS

kpff
SUBMITTED BY: SARA ROBERTS

HENSEL PHELPS Plan. Build. Manage.
kpff
DATE: 04/17/2023
REVIEWED BY: GREG SHIMIZU

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT
DATE: 04/17/2023

SCALE: 1"=20'
FILENAME: S317-F1592-CNS302
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 04/17/2023

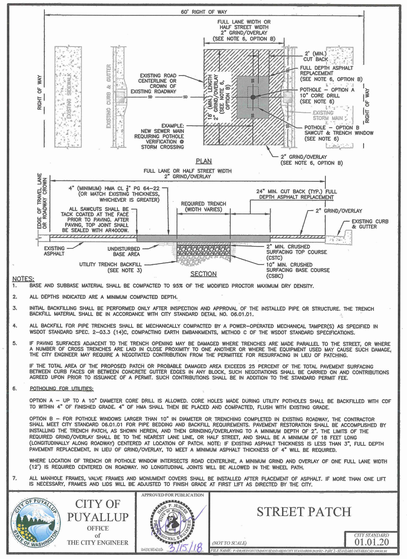
PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
CIVIL
SIGNAGE SCHEDULE

DRAWING No.: F1592-CNS302
FACILITY ID: F1592
SHEET No.: 80
REV: 0

09/01/23 | 9:07 AM | JONC
Z:\1900001-1900999\1900096 ST PUYALLUP DB GARAGE\CADD\DESIGN\S317-F1592-CNS302.DWG

SIGN NOTE:

Xrefs:
xGB-TB22x34



NOTES:

1. BASE AND SUBBASE MATERIAL SHALL BE COMPACTED TO 95% OF THE MODIFIED PROCTOR MAXIMUM DRY DENSITY.
2. ALL DEPTHS INDICATED ARE A MINIMUM COMPACTED DEPTH.
3. INITIAL BACKFILLING SHALL BE PERFORMED ONLY AFTER INSPECTION AND APPROVAL OF THE INSTALLED PIPE OR STRUCTURE. THE TRENCH BACKFILL MATERIAL SHALL BE IN ACCORDANCE WITH CITY STANDARD DETAIL NO. 06.01.01.
4. ALL BACKFILL FOR PIPE TRENCHES SHALL BE MECHANICALLY COMPACTED BY A POWER-OPERATED MECHANICAL TAMPER(S) AS SPECIFIED IN WSDOT STANDARD SPEC. 2-03.3 (14)C, COMPACTING EARTH EMBANKMENTS, METHOD C OF THE WSDOT STANDARD SPECIFICATIONS.
5. IF PAVING SURFACES ADJACENT TO THE TRENCH OPENING MAY BE DAMAGED WHERE TRENCHES ARE MADE PARALLEL TO THE STREET, OR WHERE A NUMBER OF CROSS TRENCHES ARE LAID IN CLOSE PROXIMITY TO ONE ANOTHER OR WHERE THE EQUIPMENT USED MAY CAUSE SUCH DAMAGE, THE CITY ENGINEER MAY REQUIRE A NEGOTIATED CONTRIBUTION FROM THE PERMITTEE FOR RESURFACING IN LIEU OF PATCHING.

   IF THE TOTAL AREA OF THE PROPOSED PATCH OR PROBABLE DAMAGED AREA EXCEEDS 25 PERCENT OF THE TOTAL PAVEMENT SURFACING BETWEEN CURB FACES OR BETWEEN CONCRETE GUTTER EDGES IN ANY BLOCK, SUCH NEGOTIATIONS SHALL BE CARRIED ON AND CONTRIBUTIONS AGREED UPON PRIOR TO ISSUANCE OF A PERMIT. SUCH CONTRIBUTIONS SHALL BE IN ADDITION TO THE STANDARD PERMIT FEE.
6. POTHOLING FOR UTILITIES:

   OPTION A – UP TO A 15" DIAMETER CORE DRILL IS ALLOWED. CORE HOLES MADE DURING UTILITY POTHOLES SHALL BE BACKFILLED WITH CDF TO WITHIN 4" OF FINISHED GRADE. 4" OF HMA SHALL THEN BE PLACED AND COMPACTED, FLUSH WITH EXISTING GRADE.

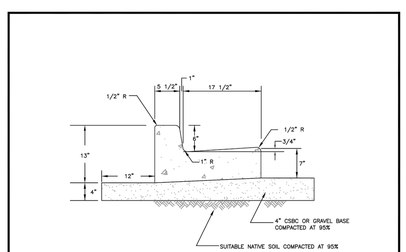
   OPTION B – FOR POTHOLE WINDOWS LARGER THAN 15" IN DIAMETER OR TRENCHING COMPLETED IN EXISTING ROADWAY, THE CONTRACTOR SHALL MEET CITY STANDARD 06.01.01 FOR PIPE BEDDING AND BACKFILL REQUIREMENTS. PAVEMENT RESTORATION SHALL BE ACCOMPLISHED BY INSTALLING THE TRENCH PATCH, AS SHOWN HEREIN, AND THEN GRINDING/OVERLAYING TO A MINIMUM DEPTH OF 3". THE LIMITS OF THE REQUIRED GRIND/OVERLAY SHALL BE TO THE NEAREST LANE LINE, OR HALF STREET, AND SHALL BE A MINIMUM OF 18 FEET LONG (LONGITUDINALLY ALONG ROADWAY) CENTERED AT LOCATION OF PATCH. NOTE: IF EXISTING ASPHALT THICKNESS IS LESS THAN 3", FULL DEPTH PAVEMENT REPLACEMENT, IN LIEU OF GRIND/OVERLAY, TO MEET A MINIMUM ASPHALT THICKNESS OF 4" WILL BE REQUIRED.

   WHERE LOCATION OF TRENCH OR POTHOLE WINDOW INTERSECTS ROAD CENTERLINE, A MINIMUM GRIND AND OVERLAY OF ONE FULL LANE WIDTH (12') IS REQUIRED CENTERED ON ROADWAY. NO LONGITUDINAL JOINTS WILL BE ALLOWED IN THE WHEEL PATH.
7. ALL MANHOLE FRAMES, VALVE FRAMES AND MONUMENT COVERS SHALL BE INSTALLED AFTER PLACEMENT OF ASPHALT. IF MORE THAN ONE LIFT IS NECESSARY, FRAMES AND LIDS WILL BE ADJUSTED TO FINISH GRADE AT FIRST LIFT AS DIRECTED BY THE CITY.

CITY OF PUYALLUP
OFFICE of THE CITY ENGINEER

APPROVED FOR PUBLICATION — 10/15/18

STREET PATCH — CITY STANDARD 01.01.20



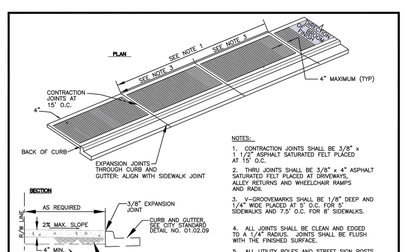
NOTES:

1. CONTRACTION JOINTS SHALL BE 3/8" x 2 1/4" ASPHALT SATURATED FELT PLACED IN ALL EXPOSED SURFACES OF CURB AND GUTTER AND SPACED AT 15' MAX. 10' MIN. O.C.
2. THRU JOINTS SHALL BE 3/8" ASPHALT SATURATED FELT PLACED AT POINTS OF TANGENCY ON CURVES, AT CATCH BASINS, AND AT EDGES OF ALLEY AND DRIVEWAYS. THE MAXIMUM DISTANCE BETWEEN THRU JOINTS SHALL BE 100'.
3. CONCRETE SHALL BE CLASS 3000 COMMERCIAL CONCRETE, 5.5 SACK MINIMUM, AASHTO GRADING 467 COARSE AGGREGATE, NO FLY ASH.
4. FORMS SHALL BE STEEL UNLESS PRIOR APPROVAL IS GIVEN BY THE CITY ENGINEER. FORMS SHALL BE SET TRUE TO LINE AND GRADE AND SECURELY STAKED PRIOR TO CONCRETE PLACEMENT. FULL DEPTH DIVISION PLATES ARE ONLY TO BE USED WHERE THRU JOINTS ARE TO BE PLACED.
5. THE 1" RADIUS ON THE UPPER FACE OF THE CURB MAY BE FORMED BY AN EDGER TOOL OR BUILT INTO THE FACE FORM. THE 1" RADIUS AT THE BOTTOM FACE OF THE CURB SHALL BE FORMED BY THE FACE FORM.

CITY OF PUYALLUP
DEVELOPMENT ENGINEERING and PUBLIC WORKS DEPARTMENTS

CURB AND GUTTER — CITY STANDARD 01.02.09

DRAWN BY:	CHECKED BY:	APPROVED BY:	REVISED BY:		CITY STANDARD
JM ERWIN-SVOBODA	LYNDA LUNA	KELLEN HARRIS	DAVID MILLER	01.02.09	
FILE NAME: F:\DWGS\CAD\DESIGN\STDS\CITY\2009\01_STD\01.02.09.DGN		DATE APPROVED: 10/01/2009	DATE REVISED: 08/31/15	SCALE: N.T.S.	



MINIMUM SIDEWALK WIDTHS:

5'(RS ZONES) SINGLE FAMILY RESIDENTIAL AREAS (DETACHED DWELLINGS)
8'(RS ZONES) COMMERCIAL USES, WHEN REQUIRED BY DEVELOPMENT SERVICES MANAGER
8'(RM ZONES) MEDIUM AND HIGH DENSITY MULTI-FAMILY RESIDENTIAL AREAS
8'(ML ZONES) INDUSTRIAL AREAS
8'(CO, CBD ZONES) COMMERCIAL AREAS
8'(PF ZONES) PUBLIC FACILITIES AREAS
8'(F ZONES) FAIR AREAS
* MATCH GREATEST WIDTH FOR ANY ADJACENT ZONE

NOTES:

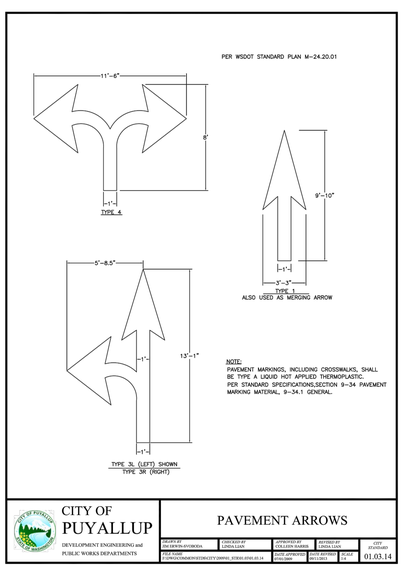
1. CONTRACTION JOINTS SHALL BE 3/8" x 1 1/2" ASPHALT SATURATED FELT PLACED AT 15' O.C.
2. THRU JOINTS SHALL BE 3/8" x 4" ASPHALT SATURATED FELT PLACED AT DRIVEWAYS, ALLEY RETURNS AND WHEELCHAIR RAMPS AND RADII.
3. V-GROOVEMARKS SHALL BE 1/8" DEEP AND 1/4" WIDE PLACED AT 5' O.C. FOR 5' SIDEWALKS AND 7.5' O.C. FOR 8' SIDEWALKS.
4. ALL JOINTS SHALL BE CLEAN AND EDGED TO A 1/4" RADIUS. JOINTS SHALL BE FLUSH WITH THE FINISHED SURFACE.
5. ALL UTILITY POLES AND STREET SIGN POSTS IN SIDEWALK AREA NOT REQUIRED TO BE RELOCATED SHALL HAVE A SQUARE SECTION OF CONCRETE SURROUNDED BY 3/8" EXPANSION JOINT MATERIAL AROUND THE POLE. THE JOINT SHALL BE NO CLOSER THAN 6" TO ANY EDGE OF THE POLE.
6. ALL FORMS SHALL BE EITHER WOOD OR STEEL AND SHALL MEET ALL REQUIREMENTS OF THESE SPECIFICATIONS.
7. CONCRETE SHALL BE CLASS 3000 COMMERCIAL CONCRETE, 5.5 SACK MINIMUM, AASHTO GRADING 467 COARSE AGGREGATE, NO FLY ASH.
8. SIDEWALK MINIMUM UNOBSTRUCTED CLEAR WIDTH SHALL BE 4', EXCLUSIVE OF THE WIDTH OF THE CURB.
9. GRATINGS, ACCESS COVERS, JUNCTION BOXES, CABLE VAULTS, PULL BOXES AND OTHER APPURTENANCES WITHIN THE SIDEWALK (RIGHT-OF-WAY) MUST HAVE SLIP RESISTANT SURFACE AND MATCH THE GRADE OF THE SIDEWALK.
10. CURB RAMPS SHALL BE CONSTRUCTED AT INTERSECTIONS USING A DESIGN PREPARED BY A LICENSED PROFESSIONAL ENGINEER. WHEN A RAMP DESIGN FAILS TO MEET ALL APPLICABLE DESIGN STANDARDS, THE ENGINEER SHALL DOCUMENT WHY THE PROPOSED RAMP ACHIEVES DESIGN STANDARDS TO THE MAXIMUM EXTENT FEASIBLE.

CITY OF PUYALLUP
DEVELOPMENT ENGINEERING and PUBLIC WORKS DEPARTMENTS

SIDEWALK WITHOUT PLANTING STRIP — CITY STANDARD 01.02.01

DRAWN BY:	CHECKED BY:	APPROVED BY:	REVISED BY:		CITY STANDARD
JM ERWIN-SVOBODA	LYNDA LUNA	KELLEN HARRIS	DAVID MILLER	01.02.01	
FILE NAME: F:\DWGS\CAD\DESIGN\STDS\CITY\2009\01_STD\01.02.01.DGN		DATE APPROVED: 10/01/2009	DATE REVISED: 08/31/15	SCALE: N.T.S.	

PER WSDOT STANDARD PLAN M-24.20.01

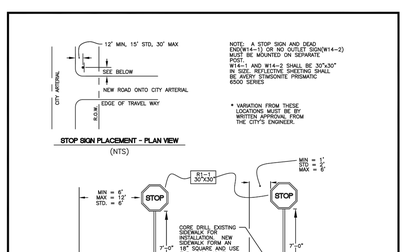


NOTE:
PAVEMENT MARKINGS, INCLUDING CROSSWALKS, SHALL BE TYPE A LIQUID HOT APPLIED THERMOPLASTIC. PER STANDARD SPECIFICATIONS,SECTION 9-34 PAVEMENT MARKING MATERIAL, 9-34.1 GENERAL.

CITY OF PUYALLUP
DEVELOPMENT ENGINEERING and PUBLIC WORKS DEPARTMENTS

PAVEMENT ARROWS — CITY STANDARD 01.03.14

DRAWN BY:	CHECKED BY:	APPROVED BY:	REVISED BY:		CITY STANDARD
JM ERWIN-SVOBODA	LYNDA LUNA	GREG SHIMIZU	DAVID MILLER	01.03.14	
FILE NAME: F:\DWGS\CAD\DESIGN\STDS\CITY\2009\01_STD\01.03.14.DGN		DATE APPROVED: 10/01/2009	DATE REVISED: 08/31/15	SCALE: N.T.S.	



NOTE: A STOP SIGN AND DEAD END(W14-1) OR NO OUTLET SIGN(W14-2) MUST BE MOUNTED ON SEPARATE POST.
W14-1 AND W14-2 SHALL BE 30"x30" AND STOP SIGN (R1-1) SHALL BE 30"X30" SYNSORITE PRISMATIC 6500 SERIES

* VARIATION FROM THESE LOCATIONS MUST BE BY WRITTEN APPROVAL FROM THE CITY'S ENGINEER.

NOTES:

1) ALL MATERIAL & WORKMANSHIP SHALL CONFORM TO THE LATEST WSDOT STANDARD PLANS AND SPECIFICATIONS.
2) A CLEAR AND UNOBSTRUCTED RIGHT OF WAY TO MAINTAIN VISUAL CLEARANCE IS THE RESPONSIBILITY OF THE APPLICANT.
3) THE STOP SIGN SHALL BE VISIBLE FROM A DISTANCE OF AT LEAST 200 FT BACK ON THE APPROACHING ROADWAY WHEN POSTED SPEED IS 25 MPH, 250 FT WHEN POSTED SPEED IS 30 MPH AND 325 FT WHEN POSTED SPEED IS 35 MPH.
4) SIGN MATERIAL SHALL BE ALUMINUM 5052–H38 OR 6061–T6 ALLOY TREATED WITH ALODINE 1200 CONVERSION COATING. THICKNESS SHALL BE 0.080".
5) REFLECTIVE SHEETING FOR ALL SIGNS, EXCEPT STREET NAMES, SHALL BE STIMSONITE TYPE 4 PRISMATIC PERMANENTLY BOUNDED WITH PROTECTIVE PLASTIC SHEETING.
6) LETTERING, LAYOUT, SHAPE AND COLORING SHALL MEET SPECIFIED REQUIREMENTS OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, LATEST EDITION.
7) IF YIELD SIGN IS REQUIRED, SIGN SHALL MEET ALL ABOVE REQUIREMENTS AND BE 36" X 36" X 36" IN SIZE.
8) REFERENCE CITY STANDARD DETAIL NO. 01.04.01 FOR POLE MATERIAL AND INSTALLATION.

CITY OF PUYALLUP
DEVELOPMENT ENGINEERING and PUBLIC WORKS DEPARTMENTS

STOP SIGN DETAIL — CITY STANDARD 01.04.02

DRAWN BY:	CHECKED BY:	APPROVED BY:	REVISED BY:		CITY STANDARD
JM ERWIN-SVOBODA	LYNDA LUNA	GREG SHIMIZU	DAVID MILLER	01.04.02	
FILE NAME: F:\DWGS\CAD\DESIGN\STDS\CITY\2009\01_STD\01.04.02.DGN		DATE APPROVED: 10/01/2009	DATE REVISED: 08/31/15	SCALE: N.T.S.	

NOTE:
ALL SIGN ASSEMBLIES SHALL USE A TELESPAR POST, SLEEVE AND PARTS.

CITY OF PUYALLUP
DEVELOPMENT ENGINEERING and PUBLIC WORKS DEPARTMENTS

STREET SIGN DETAIL — CITY STANDARD 01.04.01

DRAWN BY:	CHECKED BY:	APPROVED BY:	REVISED BY:		CITY STANDARD
JM ERWIN-SVOBODA	LYNDA LUNA	KELLEN HARRIS	DAVID MILLER	01.04.01	
FILE NAME: F:\DWGS\CAD\DESIGN\STDS\CITY\2009\01_STD\01.04.01.DGN		DATE APPROVED: 10/01/2009	DATE REVISED: 08/31/15	SCALE: N.T.S.	

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Z:\1900001-1900999\1900096 ST PUYALLUP DB GARAGE\CADD\DESIGN\S317-F1592-CRD021.DWG

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	04/17/2023	SGR	JGM	JGM	FINAL AS-BUILT

DESIGNED BY: S. GUJULUVA RAJAN
DRAWN BY: M. VU
CHECKED BY: J. MATTHEWS
APPROVED BY: J. MATTHEWS

kpff — SUBMITTED BY: SARA ROBERTS — DATE: 04/17/2023

HENSEL PHELPS Plan. Build. Manage. kpff — REVIEWED BY: GREG SHIMIZU — DATE: 04/17/2023

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT — SUBMITTAL DATE: 04/17/2023

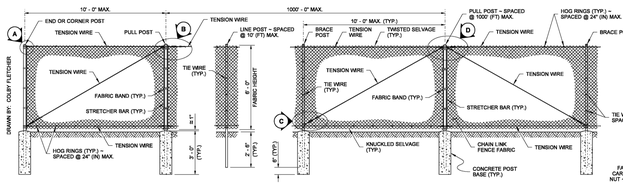
SCALE: NTS
FILENAME: S317-F1592-CRD021
CONTRACT No.: RTA/CN 0612-18

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS

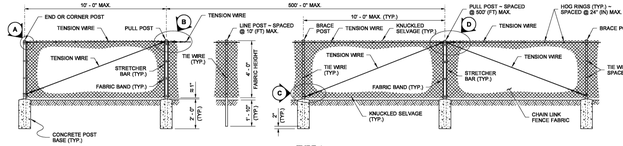
CIVIL
SITE DETAILS

DRAWING No.: F1592-CRD021
FACILITY ID: F1592
SHEET No.: 81
REV: 0

Xrefs:
xGB-TB22x34



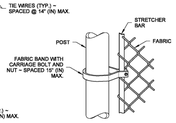
TYPE 3



TYPE 4

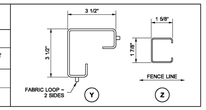
NOTES

1. All concrete post bases shall be 10" (in) minimum diameter.
2. Along the top and bottom, using Hog Rings, fasten the Chain Link Fence Fabric to the Tension Wire within the limits of the first full fabric weave.
3. Details are illustrative and shall not limit hardware design or post selection of any particular fence type.
4. Fencing shall be used for security and boundary delineation only.



METHOD OF FASTENING STRETCHER BAR TO POST

POST AND RAIL SPECIFICATIONS			
POST	PIPE	ROLL FORMED	
	NOM. SIZE (SCH. 40) I.D.	SECTION	WEIGHT (lb/ft)
END, CORNER, OR PULL POST	2 1/2" DIAM.	Y	5.10
LINE OR BRACE POST	2" DIAM.	Z	1.85



Barry, Ed
Jul 14 2015 11:14 AM

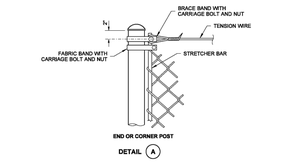
CHAIN LINK FENCE TYPES 3 AND 4

STANDARD PLAN L-20.10-03

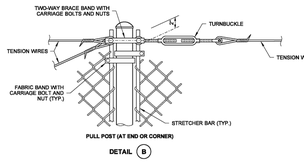
SHEET 1 OF 2 SHEETS

APPROVED FOR PUBLICATION
Carpenter, Jeff
Jul 14 2015 11:24 AM
STATE DESIGN ENGINEER
Washington State Department of Transportation

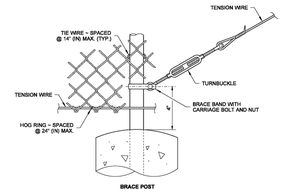
DRAWN BY: COLBY FLETCHER



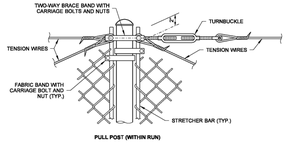
DETAIL (A)



DETAIL (B)



DETAIL (C)



DETAIL (D)

Barry, Ed
Jul 14 2015 11:14 AM

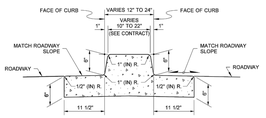
CHAIN LINK FENCE TYPES 3 AND 4

STANDARD PLAN L-20.10-03

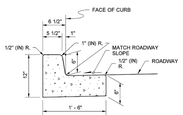
SHEET 2 OF 2 SHEETS

APPROVED FOR PUBLICATION
Carpenter, Jeff
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STATE DESIGN ENGINEER
Washington State Department of Transportation

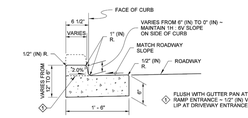
DRAWN BY: FION UDDELL



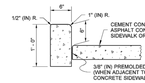
DUAL-FACED CEMENT CONCRETE TRAFFIC CURB AND GUTTER



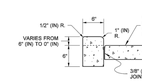
CEMENT CONCRETE TRAFFIC CURB AND GUTTER



DEPRESSED CURB AND GUTTER SECTION AT CURB RAMPS AND DRIVEWAY ENTRANCES



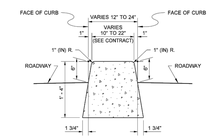
CEMENT CONCRETE PEDESTRIAN CURB



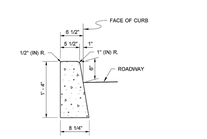
CEMENT CONCRETE PEDESTRIAN CURB AT CURB RAMPS, LANDINGS, AND DRIVEWAY ENTRANCES

NOTE

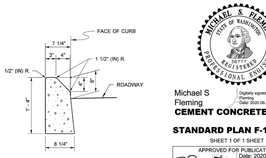
1. See **Standard Plan F-30.10** for Curb Expansion and Contraction Joint spacing. See **Standard Specification, Sections 8-04 and 9-04** for additional requirements.



DUAL-FACED CEMENT CONCRETE TRAFFIC CURB



CEMENT CONCRETE TRAFFIC CURB



MOUNTABLE CEMENT CONCRETE TRAFFIC CURB

Michael S Fleming
Digitally signed by Michael S Fleming
Date: 2020.09.24 07:39:26 -07'00'

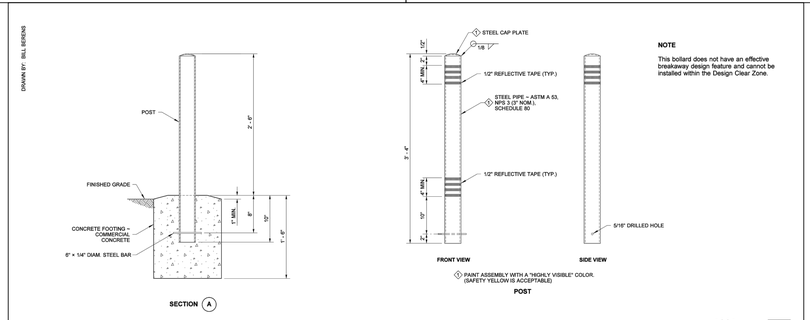
CEMENT CONCRETE CURBS

STANDARD PLAN F-10.12-04

SHEET 1 OF 1 SHEET

APPROVED FOR PUBLICATION
Date: 2020.09.24
07:57:43 -07'00'
STATE DESIGN ENGINEER
Washington State Department of Transportation

DRAWN BY: BILL BRENN



NOTE

This bollard does not have an effective breakaway design feature and cannot be installed within the Design Clear Zone.

EXPIRES JUNE 15, 2020

BOLLARD TYPE 2

STANDARD PLAN H-60.20-01

SHEET 1 OF 1 SHEET

APPROVED FOR PUBLICATION
Pasco Bakotich III *07-03-08*
STATE DESIGN ENGINEER DATE
Washington State Department of Transportation

05/04/23 | 3:11 PM | JONC
Z:\1900001-1900999\1900096 ST PUYALLUP DB GARAGE\CADD\DESIGN\S317-F1592-CRD022.DWG

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	04/17/2023	SGR	JGM	JGM	FINAL AS-BUILT

DESIGNED BY: S. GUJULUVA RAJAN
DRAWN BY: M. VU
CHECKED BY: J. MATTHEWS
APPROVED BY: J. MATTHEWS

kpff
SUBMITTED BY: SARA ROBERTS
DATE: 04/17/2023

HENSEL PHELPS Plan. Build. Manage.
kpff
REVIEWED BY: GREG SHIMIZU
DATE: 04/17/2023

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT
SCALE: NTS
FILENAME: S317-F1592-CRD022
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 04/17/2023

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS

CIVIL
SITE DETAILS

DRAWING No.: **F1592-CRD022**
FACILITY ID: F1592
SHEET No.: 82
REV: 0

Xrefs:
xS317-F1592-RPP10
xS317-F1592-VRX10
xS317-F1592-CSP10
xGB-TB22x34
xS317-F1592-CPP10

NOTES:

1. FOR GENERAL NOTES, SEE DRAWING F1592-CZN001.
2. FOR SYMBOLS, SEE DRAWING F1592-CZN010.
3. FOR DRAINAGE PROFILE, SEE DRAWING F1592-CDV011.

BURLINGTON NORTHERN RAILROAD

7TH ST NW

3RD AVE NW

R03 12+00

R03 11+00

R04 10+00

R04 11+00

R04 12+00

R04 13+00

R03 10+00

3RD AVE CB#5
WSDOT REVERSE FRAME CATCH BASIN
R04 12+15.65, 13.53' LT

1 F1592-CDD011

EXIST 7TH ST SDMH
(ADJUST TO GRADE)
TYPE-2 48" DIA.
R03 10+59.65, 12.39' RT

3RD AVE CB#2
TYPE-1 GUTTER DRAIN
PER COP ENGINEERING
STANDARD DETAIL 02.01.03
R04 10+39.95, 22.86' RT

3RD AVE CB#3
TYPE-1 GUTTER DRAIN
PER COP ENGINEERING
STANDARD DETAIL 02.01.03
R04 10+50.43, 18.19' RT

3RD AVE CB#4
WSDOT REVERSE FRAME CATCH BASIN
R04 12+17.10, 17.05' RT

1 F1592-CDD011

20 10 0 20 40
SCALE IN FEET

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
	04/17/2023	SGR	ERM	JGM	FINAL AS-BUILT

DESIGNED BY: S. GUJULUVA RAJAN
DRAWN BY: M. VU
CHECKED BY: E. MENDEL
APPROVED BY: J. MATTHEWS

kpff
SUBMITTED BY: SARA ROBERTS
DATE: 04/17/2023

HENSEL PHELPS
Plan. Build. Manage.
kpff
REVIEWED BY: GREG SHIMIZU
DATE: 04/17/2023

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT
SUBMITTAL DATE: 04/17/2023

SCALE: 1"=20'
FILENAME: S317-F1592-CGP102
CONTRACT No.: RTA/CN 0612-18

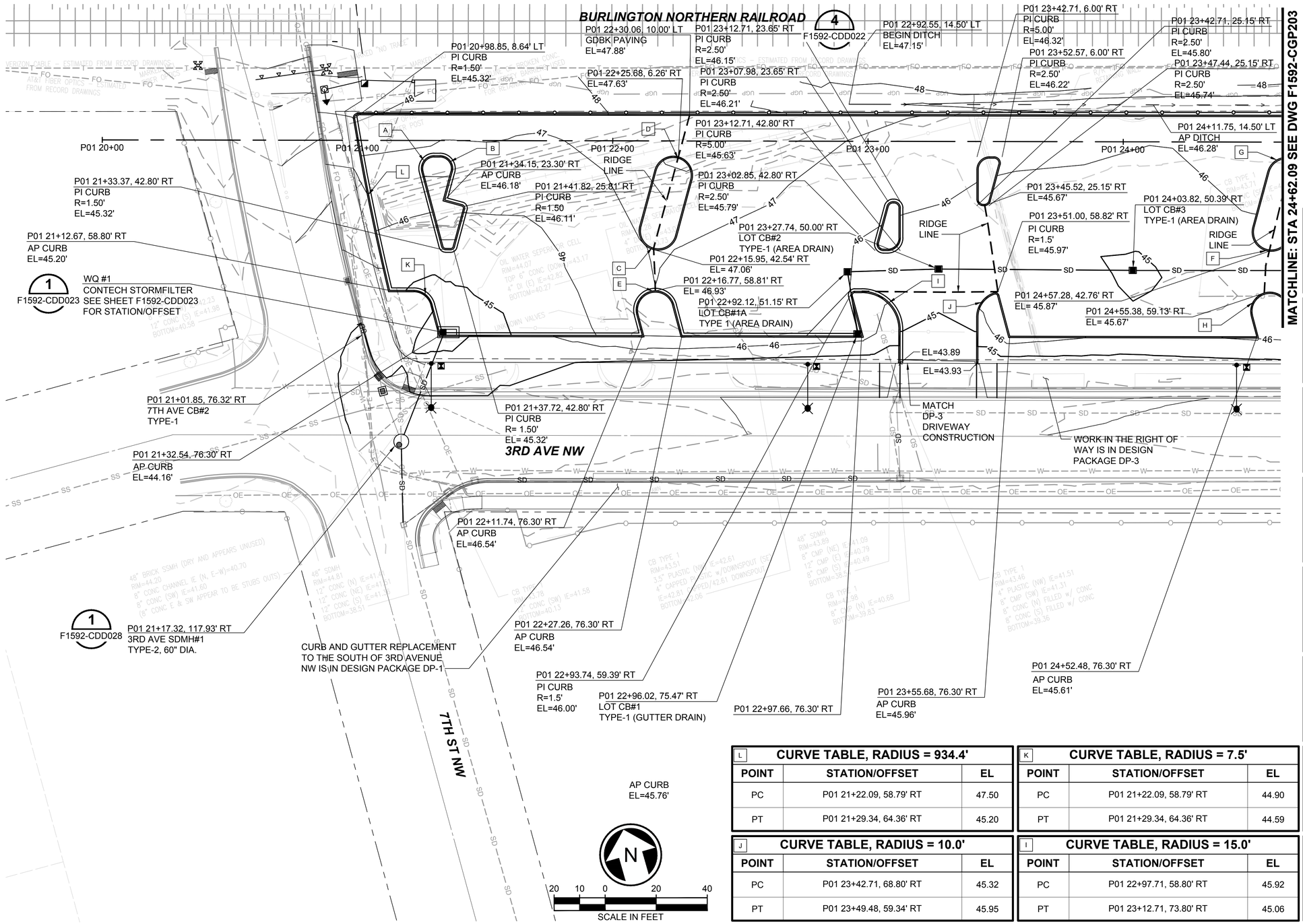
PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
CIVIL
GRADING AND DRAINAGE PLAN

DRAWING No.: F1592-CGP102
FACILITY ID: F1592
SHEET No.: 83
REV: 0

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Xrefs:
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xS317-F1592-VRX102
xS317-F1592-CSP102
xS317-F1592-CDP102
xS317-F1592-UWP102
xS317-F1592-UPP102
xGB-TB22x34
xS317-F1592-CLP102
xS317-F1592-TSP102



GENERAL NOTES:

1. FOR GENERAL NOTES, SEE DRAWING F1592-CZN001.
2. FOR LEGENDS AND SYMBOLS, SEE DRAWING F1595-CZN010.
3. FOR DRAINAGE PROFILE, SEE DRAWINGS F1592-CDV021 AND F1592-CDV022.
4. FOR CURB TYPES AND PAVING, SEE DRAWINGS F1592-CRP202 THROUGH F1592-CRP204.
5. FOR FINISHED GRADING OF THE PLANTING AREAS, SEE DRAWINGS F1592-LPP102 THROUGH F1592-LPP105.
6. ALL THE HORIZ AND VERT CURB CONTROL LABELS ARE POINTING TO THE BOTTOM OF CURB.
7. SEE DESIGN PACKAGE DP-3 FOR STORMWATER CONVEYANCE IN CITY RIGHT OF WAY.

A — CURVE TABLE, RADIUS = 5.0'

POINT	STATION/OFFSET	EL
PC	P01 21+25.20, 12.39' RT	46.56
PT	P01 21+30.03, 6.00' RT	46.78

B — CURVE TABLE, RADIUS = 5.0'

POINT	STATION/OFFSET	EL
PC	P01 21+32.27, 6.00' RT	46.78
PT	P01 21+37.10, 12.29' RT	46.57

C — CURVE TABLE, RADIUS = 7.50'

POINT	STATION/OFFSET	EL
PC	P01 22+10.65, 33.36' RT	47.04
PT	P01 22+25.14, 37.24' RT	47.08

D — CURVE TABLE, RADIUS = 7.50'

POINT	STATION/OFFSET	EL
PC	P01 22+16.49, 11.56' RT	47.37
PT	P01 22+30.98, 15.44' RT	47.42

E — CURVE TABLE, RADIUS = 7.50'

POINT	STATION/OFFSET	EL
PC	P01 22+09.58, 68.24' RT	46.61
PT	P01 22+24.07, 64.36' RT	46.80

F — CURVE TABLE, RADIUS = 7.50'

POINT	STATION/OFFSET	EL
PC	P01 24+50.84, 33.36' RT	45.95
PT	P01 24+65.33, 37.24' RT	45.79

L — CURVE TABLE, RADIUS = 934.4'

POINT	STATION/OFFSET	EL
PC	P01 21+22.09, 58.79' RT	47.50
PT	P01 21+29.34, 64.36' RT	45.20

K — CURVE TABLE, RADIUS = 7.5'

POINT	STATION/OFFSET	EL
PC	P01 21+22.09, 58.79' RT	44.90
PT	P01 21+29.34, 64.36' RT	44.59

G — CURVE TABLE, RADIUS = 7.50'

POINT	STATION/OFFSET	EL
PC	P01 24+56.68, 11.56' RT	46.17
PT	P01 24+71.17, 15.44' RT	46.01

J — CURVE TABLE, RADIUS = 10.0'

POINT	STATION/OFFSET	EL
PC	P01 23+42.71, 68.80' RT	45.32
PT	P01 23+49.48, 59.34' RT	45.95

I — CURVE TABLE, RADIUS = 15.0'

POINT	STATION/OFFSET	EL
PC	P01 22+97.71, 58.80' RT	45.92
PT	P01 23+12.71, 73.80' RT	45.06

H — CURVE RETURN TABLE, RADIUS = 7.50'

POINT	STATION/OFFSET	EL
PC	P01 24+50.32, 68.24' RT	45.54
PT	P01 24+64.81, 64.36' RT	45.59

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	04/17/2023	SGR	ERM	JGM	FINAL AS-BUILT

DESIGNED BY: S. GUJULUVA RAJAN
DRAWN BY: J. CURTIS
CHECKED BY: E. MENDEL
APPROVED BY: J. MATTHEWS

kpff
SUBMITTED BY: SARA ROBERTS

HENSEL PHELPS
Plan. Build. Manage.
kpff
DATE: 04/17/2023
REVIEWED BY: GREG SHIMIZU

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT
DATE: 04/17/2023

SCALE: 1"=20'
FILENAME: S317-F1592-CGP202
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 04/17/2023

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
CIVIL
GRADING AND DRAINAGE PLAN

DRAWING No.: F1592-CGP202
FACILITY ID: F1592
SHEET No.: 84
REV: 0

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Xrefs:
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xS317-F1592-VRX102
xS317-F1592-CSP102
xS317-F1592-CDP102
xS317-F1592-UWP102
xS317-F1592-UPP102
xGB-TB22x34
xS317-F1592-CLP102

MATCHLINE: STA 24+62.09 SEE DWG F1592-CGP202

MATCHLINE: STA 31+62.09 SEE DWG F1592-CGP204

BURLINGTON NORTHERN RAILROAD

3RD AVE NW

6TH ST NW

5TH ST NW

2ND AVE NW

P01 24+70.22, 10.00' LT
GDBK PAVING
EL=46.44'

CO-11
P01 26.00.00, 11.00' LT
RIM=47.04'
IE=45.78'

P01 26+00.00, 11.00' LT
END DITCH
START FRENCH DRAIN
EL= 45.78

F1592-CPD022
FRENCH DRAIN

CO-9
P01 27+58.80, 11.00' LT
RIM = 47.21'
IE = 45.00'

CO-9A
P01 27+58.00, 11.00' LT
RIM = 47.19
IE = 45.00'

P01 27+98.60, 28.92' RT
DOOR LANDING
EL=47.25'

P01 28+05.78, 6.23' RT
LOT SDMH#2
48" TYPE-2

P01 27+75.63, 10.00' LT
AP CURB
EL=46.52'

P01 28+19.00, 11.00' LT
END FRENCH DRAIN
P01 28+18.99, 11.00' LT
CO-10
RIM = 49.72'
IE = 46.70'

P02 30+50.20, 93.71' LT
AP SIDEWALK
EL=49.39'

P01 28+19.95, 13.85' RT
AP SIDEWALK
EL=48.13'

P02 30+47.70, 73.24' LT
AP SIDEWALK
EL=48.27'

CO-7
RIM =47.94'
IE = 43.12'

P01 28+22.16, 22.50' RT
AP SIDEWALK
EL=47.90'

P01 24+66.02, 6.25' RT
EL=46.23'

P01 25+00

P01 25+82.55, 14.50' LT
AP DITCH
EL= 45.82'

P01 25+82.55, 10.00' LT
GDBK
EL= 46.35'

P01 25+68.92, 40.84' RT
GDBK
EL= 46.05'

P01 26+00

P01 26+38.04, 10.00' LT
GDBK PAVING
EL=47.07'

P01 27+00

P01 27+23.52, 10.50' LT
GDBK
EL= 47.02'

RIDGE LINE

P01 27+64.52, 16.74' RT
LOT SDMH#1
48" TYPE-2

P01 28+00

P01 28+27.33, 42.07' RT
ROLLUP DOOR LANDING
EL= 47.25'
MATCH DP-3

P01 28+29.12, 51.97' RT
ROLLUP DOOR LANDING
EL= 47.14'
MATCH DP-3

P01 29+00

P01 29+23

CO-8
RIM = 47.08
IE = 43.91'

F1592-CPD024

P01 27+21.14, 26.89' RT
WQ#2
CONTECH STORMFILTER

F1592-CPD023

CO-16 (CONNECT TO
ROOF DRAINAGE)
P02 31+17.30, 25.24' LT

P02 31+00

VALLEY LINE

ROOF LEADER
CONNECTION

P02 31+23.56, 21.76' RT
EL=46,12'

P02 31+20.23, 18.59' RT
EAST LOT CB#4
48" TYPE-2
(CONNECT TO EX SD)

12" SDR 35 SD

P01 24+68.01, 76.30' RT
AP CURB
EL=45.68'

P01 25+16.15, 50.26' RT
LOT CB#4
TYPE-1 (AREA DRAIN)

P01 25+63.50, 58.81' RT
GDBK
EL= 45.98'

RIDGE LINE

VALLEY LINE

CO-5
RIM = 47.06
IE = 44.30'

P01 25+90.25, 57.05' RT
LOT CB#5
TYPE-1 (AREA DRAIN)

CO-3
RIM = 45.76'
IE = 43.58'

P01 27+72.09, 46.69' RT
CO-15
RIM = 46.95
IE = 41.49

CO-4
RIM = 47.10
IE = 44.25'

P02 30+89.98, 22.74' LT
5TH ST CB#8
60" TYPE-2
(CONNECT TO EX SD)

P02 30+00

P02 30+99.51, 12.47' LT
END PARKING LOT CURB
EL=46.65'

P02 31+21.93, 00.00' RT
EAST LOT SDMH#2
48" TYPE-2

P02 30+96.64, 12.42' RT
END PARKING LOT CURB
EL=45.97'

WQ#4
CONTECH STORMFILTER
SEE SHEET F1592-CDD026
FOR STATION/OFFSET

F1592-CPD026

P02 31+01.29, 16.91' RT
EAST LOT SDMH#1
60" TYPE-2
(CONNECT TO EX SD)

F1592-CPD028

P02 31+36.73, 0.00'
AP ALIGNMENT
EL=47.33'

WQ#3
CONTECH STORMFILTER
SEE SHEET F1592-CDD025
FOR STATION/OFFSET

F1592-CPD028

P01 27+25.00, 67.54' RT
CO-17
(CONNECT TO GARAGE
DRAINAGE)
RIM=46.97
IE=42.17

F1592-CPD025

F1592-CPD021

CO-6
RIM =45.75'
IE = 42.75'

CO-1
RIM = 45.77'
IE = 42.25'

CO-2
RIM = 46.35'
IE = 43.25'

SEE DP-3 FOR PUBLIC
ROW STORMWATER
IMPROVEMENTS

SEE DP-3 FOR
PUBLIC ROW
STORM WATER
IMPROVEMENTS

F1592-CPD023

GENERAL NOTES:

1. FOR GENERAL NOTES, SEE DRAWING F1592-CZN001.
2. FOR LEGENDS AND SYMBOLS, SEE DRAWING F1595-CZN010.
3. FOR DRAINAGE PROFILE, SEE DRAWINGS F1592-CDV021 AND F1592-CDV022.
4. FOR CURB TYPES AND PAVING, SEE DRAWINGS F1592-CRP202 THROUGH F1592-CRP204.
5. FOR FINISHED GRADING OF THE PLANTING AREAS, SEE DRAWINGS F1592-LPP102 THROUGH F1592-LPP105.
6. ALL THE HORIZ AND VERT CURB CONTROL LABELS ARE POINTING TO THE BOTTOM OF CURB.
7. SEE DESIGN PACKAGE DP-3 FOR STORMWATER CONVEYANCE IN CITY RIGHT OF WAY.

A — CURVE TABLE, RADIUS = 7.50'

POINT	STATION/OFFSET	EL
PC	P01 25+63.62, 31.66' RT	45.88
PT	P01 25+78.11, 35.54' RT	46.01

B — CURVE TABLE, RADIUS = 7.50'

POINT	STATION/OFFSET	EL
PC	P01 25+69.01, 11.56' RT	46.14
PT	P01 25+83.49, 15.44' RT	46.28

C — CURVE TABLE, RADIUS = 20.0'

POINT	STATION/OFFSET	EL
PC	P02 31+44.68, 11.62' RT	47.12
1/2	P02 31+52.14, 12.21' RT	47.23
PT	P02 31+58.87, 15.50' RT	47.33

F — CURVE TABLE, RADIUS = 200.0'

POINT	STATION/OFFSET	EL
PC	P02 31+18.06, 12.42' LT	47.35
1/2	P02 31+28.99, 12.12' LT	47.48
PT	P02 31+38.64, 11.50' LT	47.57

NOTES:

1. THE LOCATION AND INVERTS OF THE CLEANOUTS FOR PERIMETER FOOTING DRAIN ARE APPROXIMATE. SEE DETAIL 1 ON DRAWING F1592-CDD022 FOR PIPE MATERIAL AND SIZE.

N

20 10 0 20 40
SCALE IN FEET

09/01/23 | 9:57 AM | JONC
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FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	04/17/2023	SGR	ERM	JGM	FINAL AS-BUILT

DESIGNED BY: S. GUJULUVA RAJAN
DRAWN BY: J. CURTIS
CHECKED BY: E. MENDEL
APPROVED BY: J. MATTHEWS

kpff
SUBMITTED BY: SARA ROBERTS

HENSEL PHELPS Plan. Build. Manage.
kpff
DATE: 04/17/2023
REVIEWED BY: GREG SHIMIZU

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT
DATE: 04/17/2023

SCALE: 1"=20'
FILENAME: S317-F1592-CGP203
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 04/17/2023

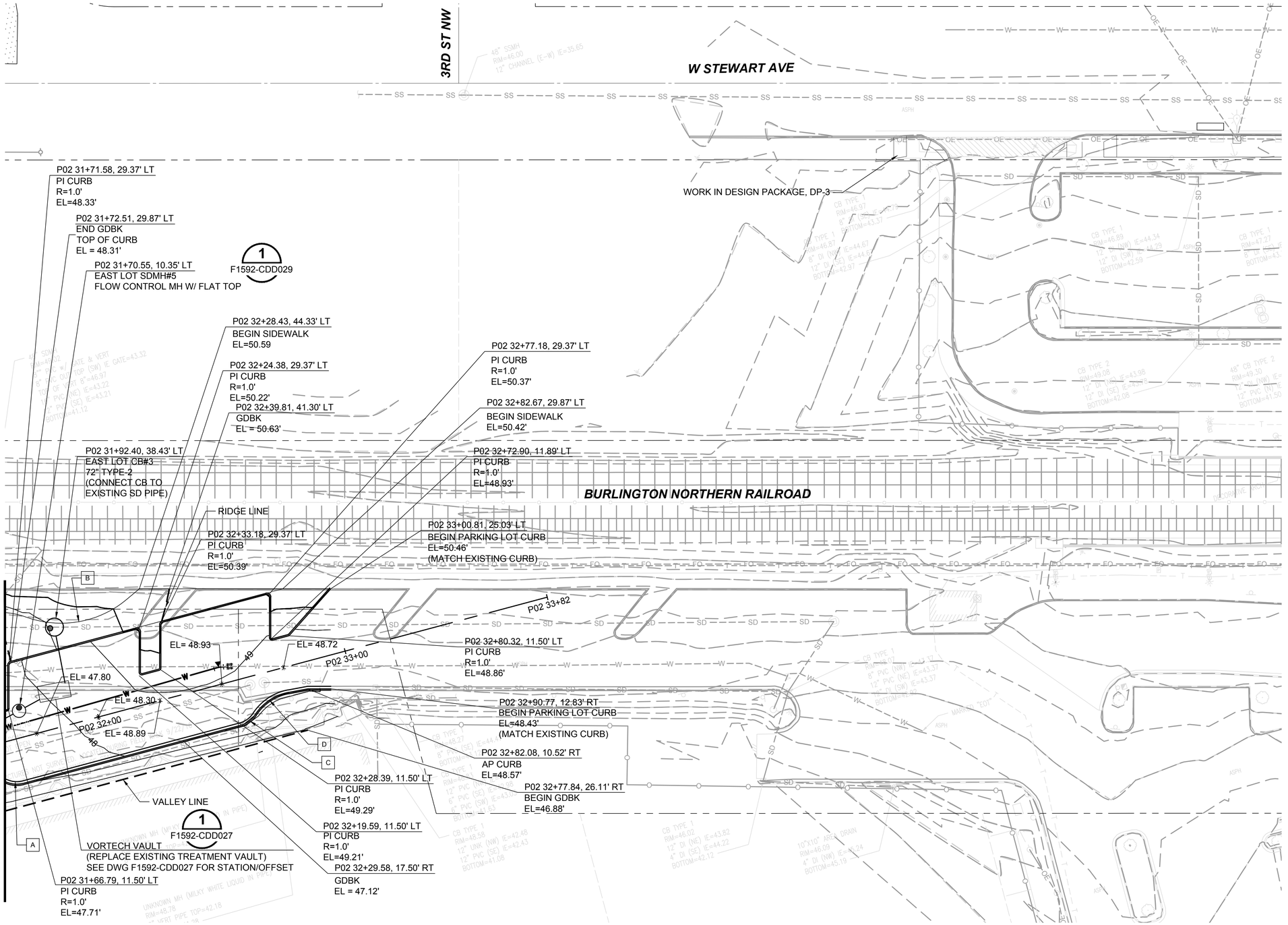
PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS

CIVIL
GRADING AND DRAINAGE PLAN

DRAWING No.: F1592-CGP203
FACILITY ID: F1592
SHEET No.: 85
REV: 0

GENERAL NOTES:

Xrefs:
xS317-F1592-VRX100
xS317-F1592-CSP100
xS317-F1592-CDP100
xS317-F1592-UWP100
xS317-F1592-UPP100
xGB-TB22x34
xS317-F1592-CPP100
xS317-F1592-CLP100
xS317-F1592-TSP100



MATCHLINE: STA 31+62.09 SEE DWG F1592-CGP203

GENERAL NOTES:

1. FOR GENERAL NOTES, SEE DRAWING F1592-CZN001.
2. FOR LEGENDS AND SYMBOLS, SEE DRAWING F1595-CZN010.
3. FOR DRAINAGE PROFILE, SEE DRAWINGS F1592-CDV021 AND F1592-CDV022.
4. FOR CURB TYPES AND PAVING, SEE DRAWINGS F1592-CRP202 THROUGH F1592-CRP204.
5. FOR FINISHED GRADING OF THE PLANTING AREAS SEE DRAWINGS F1592-LPP102 THROUGH F1592-LPP105.
6. ALL THE HORIZ AND VERT CURB CONTROL LABELS ARE POINTING TO THE BOTTOM OF CURB.
7. SEE DESIGN PACKAGE DP-3 FOR STORMWATER CONVEYANCE IN CITY RIGHT OF WAY.

A — CURVE TABLE, RADIUS = 10.0'

POINT	STATION/OFFSET	EL
PC	P02 31+58.87, 15.50' LT	47.33
PT	P02 31+64.87, 17.50' RT	47.42

B — CURVE TABLE, RADIUS = 40.0'

POINT	STATION/OFFSET	EL
PC	P02 31+82.81, 45.04' LT	48.77
1/2	P02 32+02.19, 38.02' LT	49.46
PT	P02 32+22.48, 41.58' LT	50.23

C — CURVE TABLE, RADIUS = 10.0'

POINT	STATION/OFFSET	EL
PC	P02 32+52.87, 17.50' RT	48.54
PT	P02 32+59.53, 14.95' RT	48.59

D — CURVE TABLE, RADIUS = 20.0'

POINT	STATION/OFFSET	EL
PC	P02 32+59.53, 14.95' RT	48.59
1/2	P02 32+66.46, 10.91' RT	48.63
PT	P02 32+74.42, 9.92' RT	48.65

20 10 0 20 40
SCALE IN FEET

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	04/17/2023	SGR	ERM	JGM	FINAL AS-BUILT

DESIGNED BY: S. GUJULUVA RAJAN
DRAWN BY: J. CURTIS
CHECKED BY: E. MENDEL
APPROVED BY: J. MATTHEWS

kpff
SUBMITTED BY: SARA ROBERTS
DATE: 04/17/2023

HENSEL PHELPS
Plan. Build. Manage.
kpff
REVIEWED BY: GREG SHIMIZU
DATE: 04/17/2023

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT
SUBMITTAL DATE: 04/17/2023

SCALE: 1"=20'
FILENAME: S317-F1592-CGP204
CONTRACT No.: RTA/CN 0612-18

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
CIVIL
GRADING AND DRAINAGE PLAN

DRAWING No.: F1592-CGP204
FACILITY ID: F1592
SHEET No.: 86
REV: 0

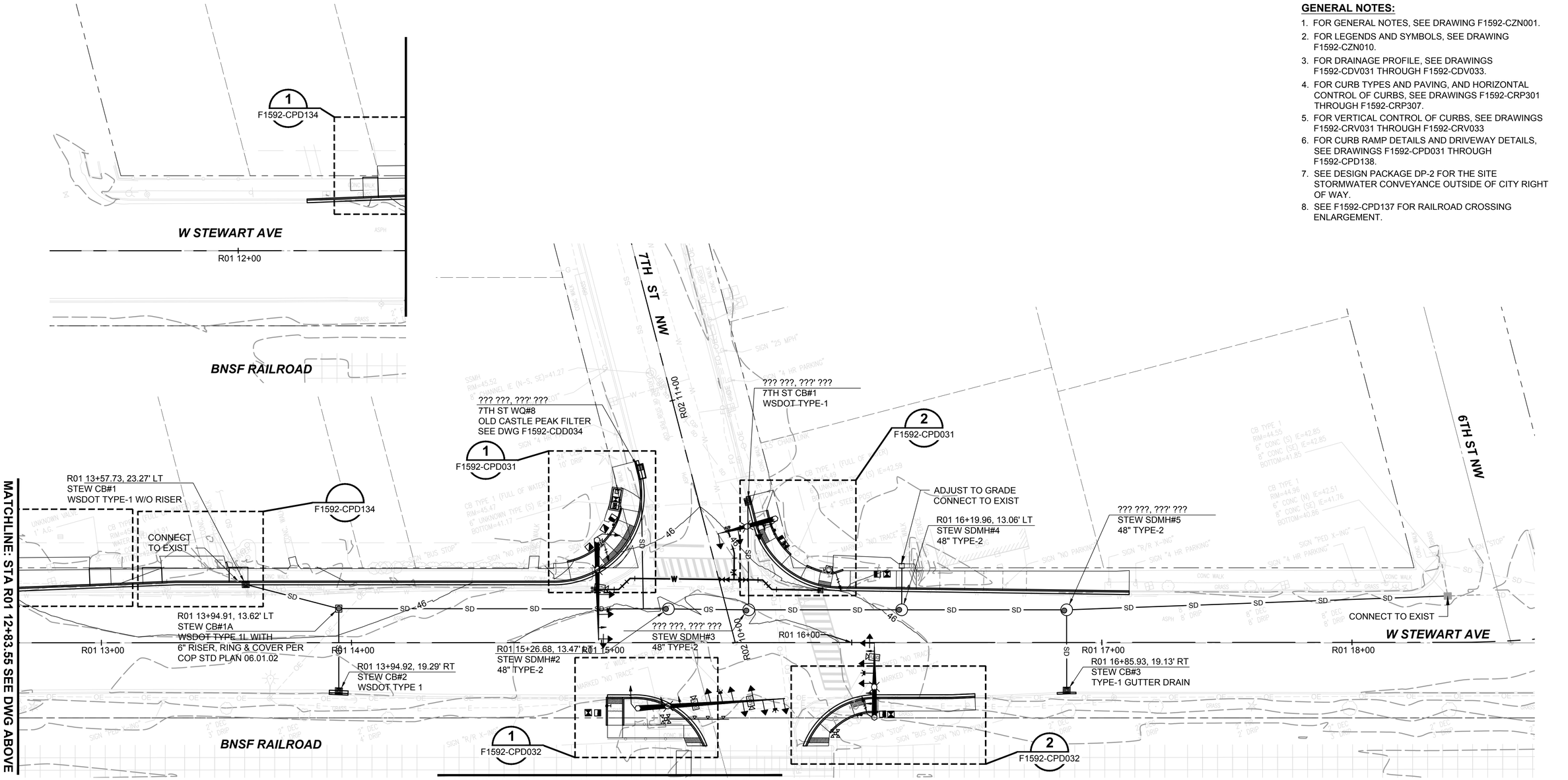
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GENERAL NOTES:

Xrefs:
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xS317-F1592-VRX10
xS317-F1592-CSP10
xS317-F1592-UWP10
xS317-F1592-UPP10
xGB-TB22x34
xS317-F1592-CPP10
xS317-F1592-CLP10
xS317-F1592-TSP10
xS317-F1592-UCP10

GENERAL NOTES:

1. FOR GENERAL NOTES, SEE DRAWING F1592-CZN001.
2. FOR LEGENDS AND SYMBOLS, SEE DRAWING F1592-CZN010.
3. FOR DRAINAGE PROFILE, SEE DRAWINGS F1592-CDV031 THROUGH F1592-CDV033.
4. FOR CURB TYPES AND PAVING, AND HORIZONTAL CONTROL OF CURBS, SEE DRAWINGS F1592-CRP301 THROUGH F1592-CRP307.
5. FOR VERTICAL CONTROL OF CURBS, SEE DRAWINGS F1592-CRV031 THROUGH F1592-CRV033
6. FOR CURB RAMP DETAILS AND DRIVEWAY DETAILS, SEE DRAWINGS F1592-CPD031 THROUGH F1592-CPD138.
7. SEE DESIGN PACKAGE DP-2 FOR THE SITE STORMWATER CONVEYANCE OUTSIDE OF CITY RIGHT OF WAY.
8. SEE F1592-CPD137 FOR RAILROAD CROSSING ENLARGEMENT.



FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	04/17/2023	SGR	ERM	JGM	FINAL AS-BUILT

DESIGNED BY: S. GUJULUVA RAJAN
DRAWN BY: J. CURTIS
CHECKED BY: E. MENDEL
APPROVED BY: J. MATTHEWS

kpff

HENSEL PHELPS
Plan. Build. Manage.
kpff

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT

SUBMITTED BY: SARA ROBERTS
DATE: 04/17/2023
REVIEWED BY: GREG SHIMIZU
DATE: 04/17/2023

SCALE: 1"=20'
FILENAME: S317-F1592-CGP301
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 04/17/2023

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
CIVIL
GRADING AND DRAINAGE PLAN

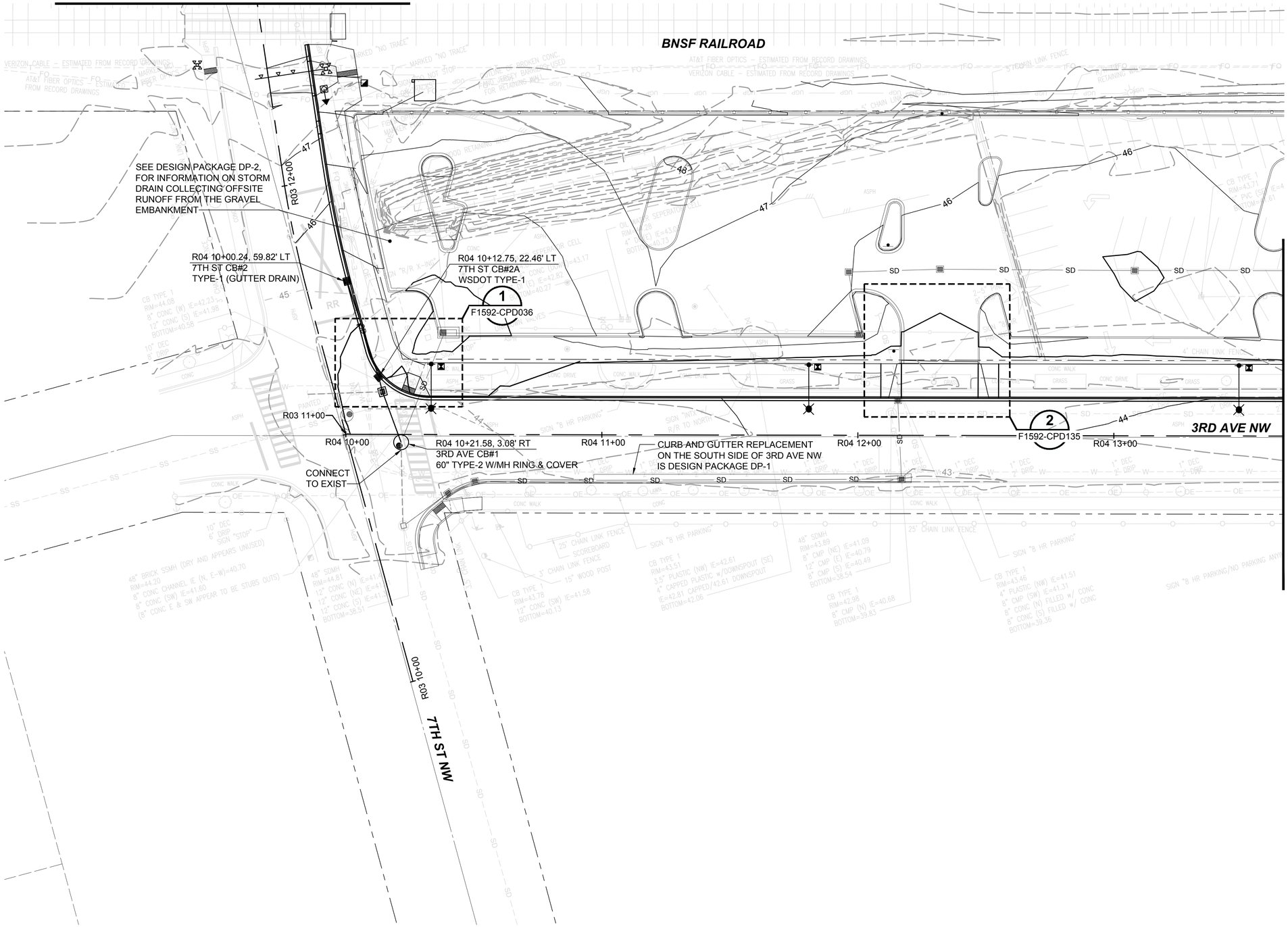
DRAWING No.: F1592-CGP301
FACILITY ID: F1592
SHEET No.: 87
REV: 0

05/04/23 | 2:55 PM | JONC
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MATCHLINE: STA R01 12+83.55 SEE BELOW

Xrefs:
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xS317-F1592-VRX100
xS317-F1592-CSP100
xS317-F1592-CDP100
xS317-F1592-UWP100
xS317-F1592-UPP100
xGB-TB22x34
xS317-F1592-CPP100
xS317-F1592-TSP100
xS317-F1592-CLP100
xS317-F1592-UCP100

MATCHLINE: STA R03 12+72.10 SEE DWG F1592-CGP301



MATCHLINE: STA R04 13+66.50 SEE DWG F1592-CGP303

GENERAL NOTES:

1. FOR GENERAL NOTES, SEE DRAWING F1592-CZN001.
2. FOR LEGENDS AND SYMBOLS, SEE DRAWING F1592-CZN010.
3. FOR DRAINAGE PROFILE, SEE DRAWINGS F1592-CDV031 THROUGH F1592-CDV033.
4. FOR CURB TYPES AND PAVING, AND HORIZONTAL CONTROL OF CURBS, SEE DRAWINGS F1592-CRP301 THROUGH F1592-CRP307.
5. FOR VERTICAL CONTROL OF CURBS, SEE DRAWINGS F1592-CRV031 THROUGH F1592-CRV033
6. FOR CURB RAMP DETAILS AND DRIVEWAY DETAILS, SEE DRAWINGS F1592-CPD031 THROUGH F1592-CPD138.
7. SEE DESIGN PACKAGE DP-2 FOR THE SITE STORMWATER CONVEYANCE OUTSIDE OF CITY RIGHT OF WAY.
8. SEE F1592-CPD137 FOR RAILROAD CROSSING ENLARGEMENT.

N

20 10 0 20 40
SCALE IN FEET

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	04/17/2023	SGR	ERM	JGM	FINAL AS-BUILT

DESIGNED BY: S. GUJULUVA RAJAN
DRAWN BY: J. CURTIS
CHECKED BY: E. MENDEL
APPROVED BY: J. MATTHEWS

kpff
SUBMITTED BY: SARA ROBERTS
DATE: 04/17/2023

HENSEL PHELPS Plan. Build. Manage.
kpff
REVIEWED BY: GREG SHIMIZU
DATE: 04/17/2023

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT
SUBMITTAL DATE: 04/17/2023

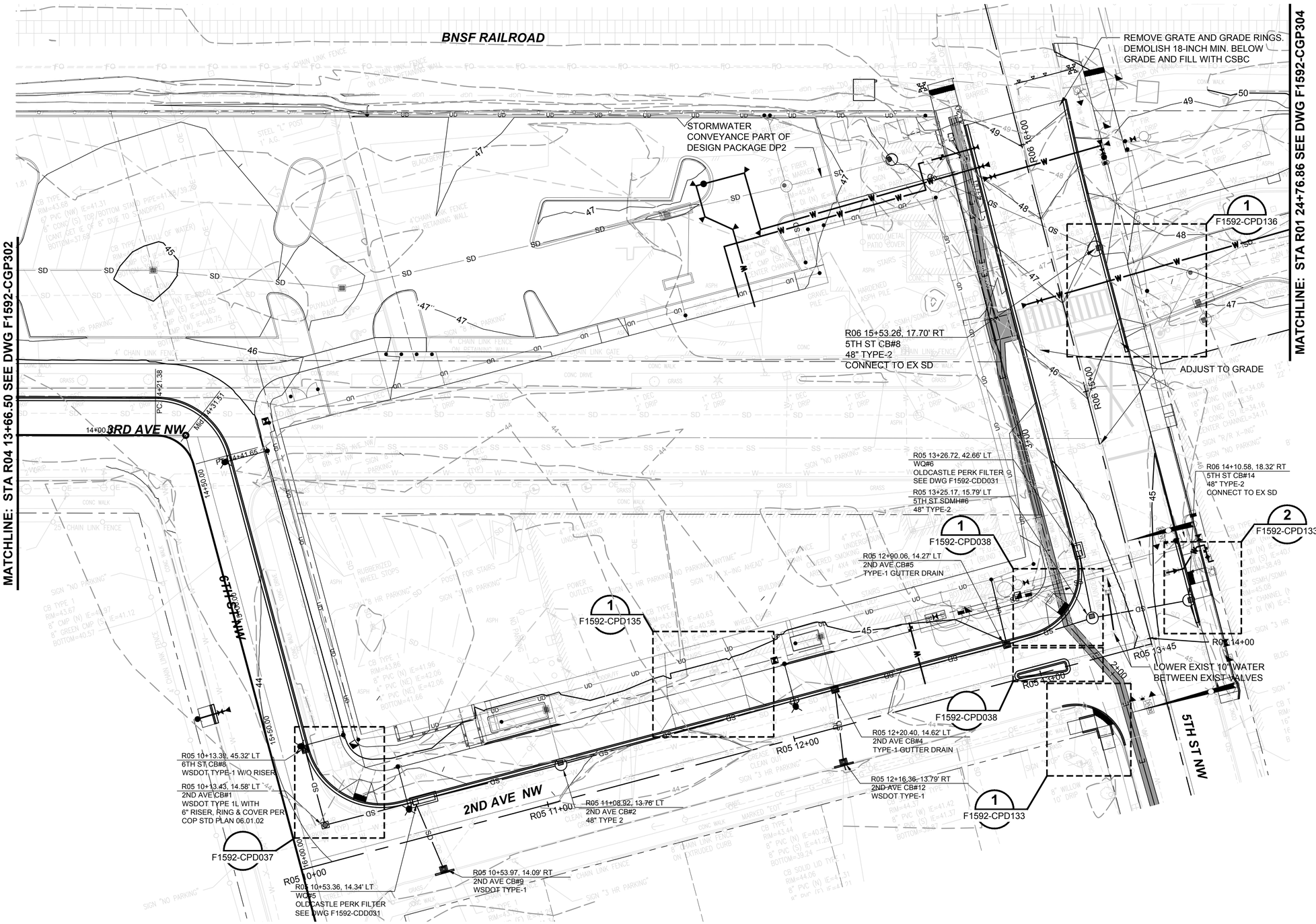
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CONTRACT No.: RTA/CN 0612-18

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
CIVIL
GRADING AND DRAINAGE PLAN

DRAWING No.: F1592-CGP302
FACILITY ID: F1592
SHEET No.: 88
REV: 0

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Xrefs:
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xS317-F1592-VRX100
xS317-F1592-CSP100
xS317-F1592-CDP100
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xGB-TB22x34
xS317-F1592-CPP100
xS317-F1592-CLP100
xS317-F1592-UPP100
xS317-F1592-UCP100
xS317-F1592-TSP100



GENERAL NOTES:

1. FOR GENERAL NOTES, SEE DRAWING F1592-CZN001.
2. FOR LEGENDS AND SYMBOLS, SEE DRAWING F1592-CZN010.
3. FOR DRAINAGE PROFILE, SEE DRAWINGS F1592-CDV031 THROUGH F1592-CDV033.
4. FOR CURB TYPES AND PAVING, AND HORIZONTAL CONTROL OF CURBS, SEE DRAWINGS F1592-CRP301 THROUGH F1592-CRP307.
5. FOR VERTICAL CONTROL OF CURBS, SEE DRAWINGS F1592-CRV031 THROUGH F1592-CRV033
6. FOR CURB RAMP DETAILS AND DRIVEWAY DETAILS, SEE DRAWINGS F1592-CPD031 THROUGH F1592-CPD138.
7. SEE DESIGN PACKAGE DP-2 FOR THE SITE STORMWATER CONVEYANCE OUTSIDE OF CITY RIGHT OF WAY.
8. SEE F1592-CPD137 FOR RAILROAD CROSSING ENLARGEMENT.

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	04/17/2023	SGR	ERM	JGM	FINAL AS-BUILT

DESIGNED BY: S. GUJULUVA RAJAN
DRAWN BY: J. CURTIS
CHECKED BY: E. MENDEL
APPROVED BY: J. MATTHEWS

kpff

HENSEL PHELPS Plan. Build. Manage. kpff

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT

SUBMITTED BY: SARA ROBERTS
DATE: 04/17/2023
REVIEWED BY: GREG SHIMIZU
DATE: 04/17/2023

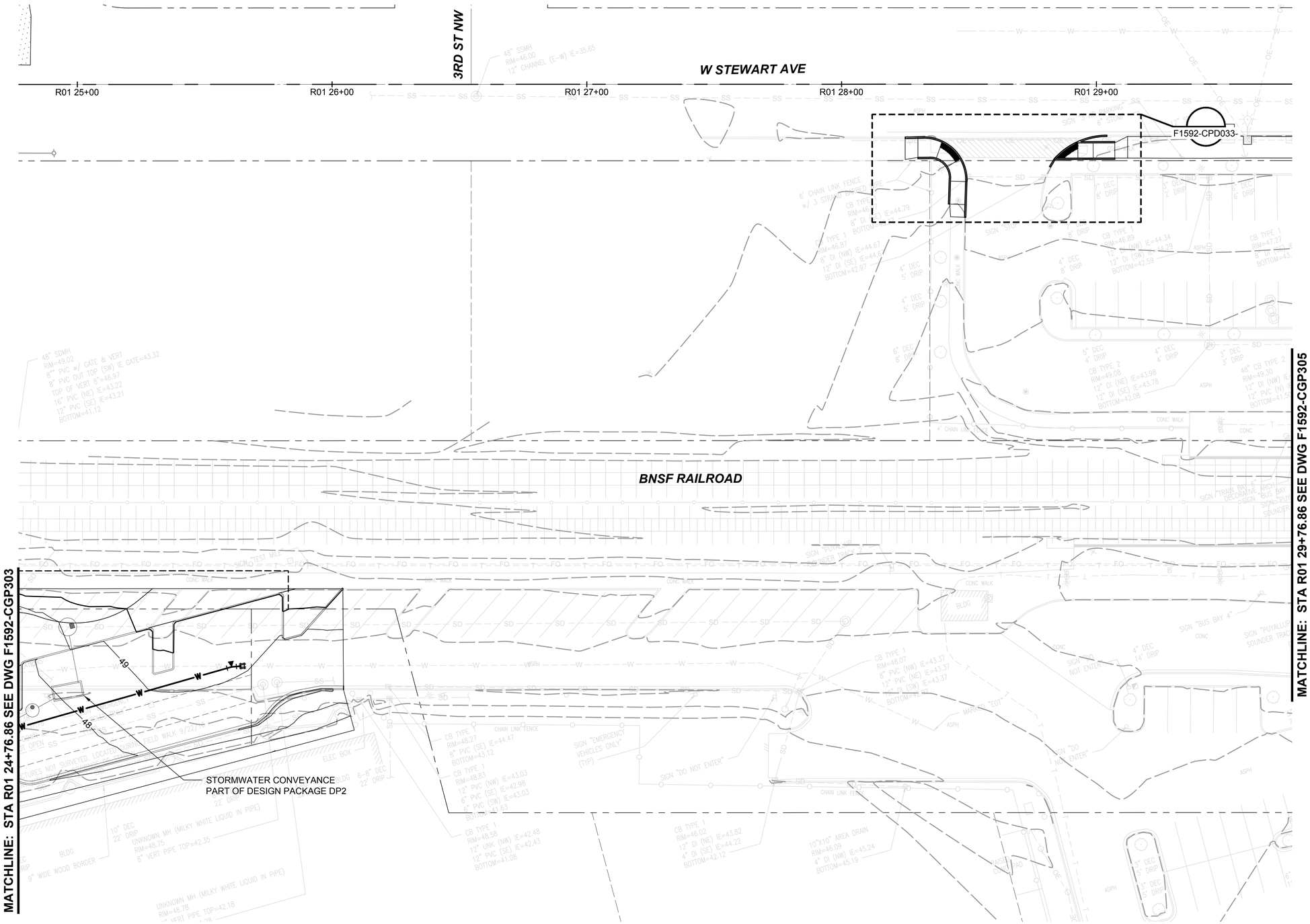
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FILENAME: S317-F1592-CGP303
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 04/17/2023

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
CIVIL
GRADING AND DRAINAGE PLAN

DRAWING No.: F1592-CGP303
FACILITY ID: F1592
SHEET No.: 89
REV: 0

05/04/23 | 2:56 PM | JONC
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Xrefs:
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xS317-F1592-VRX10
xS317-F1592-CSP10
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xS317-F1592-UPP10
xGB-TB22x34
xS317-F1592-CPP10
xS317-F1592-CLP10
xS317-F1592-TSP10
xS317-F1592-UCP10



GENERAL NOTES:

1. FOR GENERAL NOTES, SEE DRAWING F1592-CZN001.
2. FOR LEGENDS AND SYMBOLS, SEE DRAWING F1592-CZN010.
3. FOR DRAINAGE PROFILE, SEE DRAWINGS F1592-CDV031 THROUGH F1592-CDV033.
4. FOR CURB TYPES AND PAVING, AND HORIZONTAL CONTROL OF CURBS, SEE DRAWINGS F1592-CRP301 THROUGH F1592-CRP306.
5. FOR VERTICAL CONTROL OF CURBS, SEE DRAWINGS F1592-CRV031 THROUGH F1592-CRV033
6. FOR CURB RAMP DETAILS AND DRIVEWAY DETAILS, SEE DRAWINGS F1592-COD031 THROUGH F1592-CPD136.

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SCALE IN FEET

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	04/17/2023	SGR	ERM	JGM	FINAL AS-BUILT

DESIGNED BY: S. GUJULUVA RAJAN
DRAWN BY: J. CURTIS
CHECKED BY: E. MENDEL
APPROVED BY: J. MATTHEWS

kpff
SUBMITTED BY: SARA ROBERTS
DATE: 04/17/2023

HENSEL PHELPS
Plan. Build. Manage.
kpff
REVIEWED BY: GREG SHIMIZU
DATE: 04/17/2023

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT
SUBMITTAL DATE: 04/17/2023

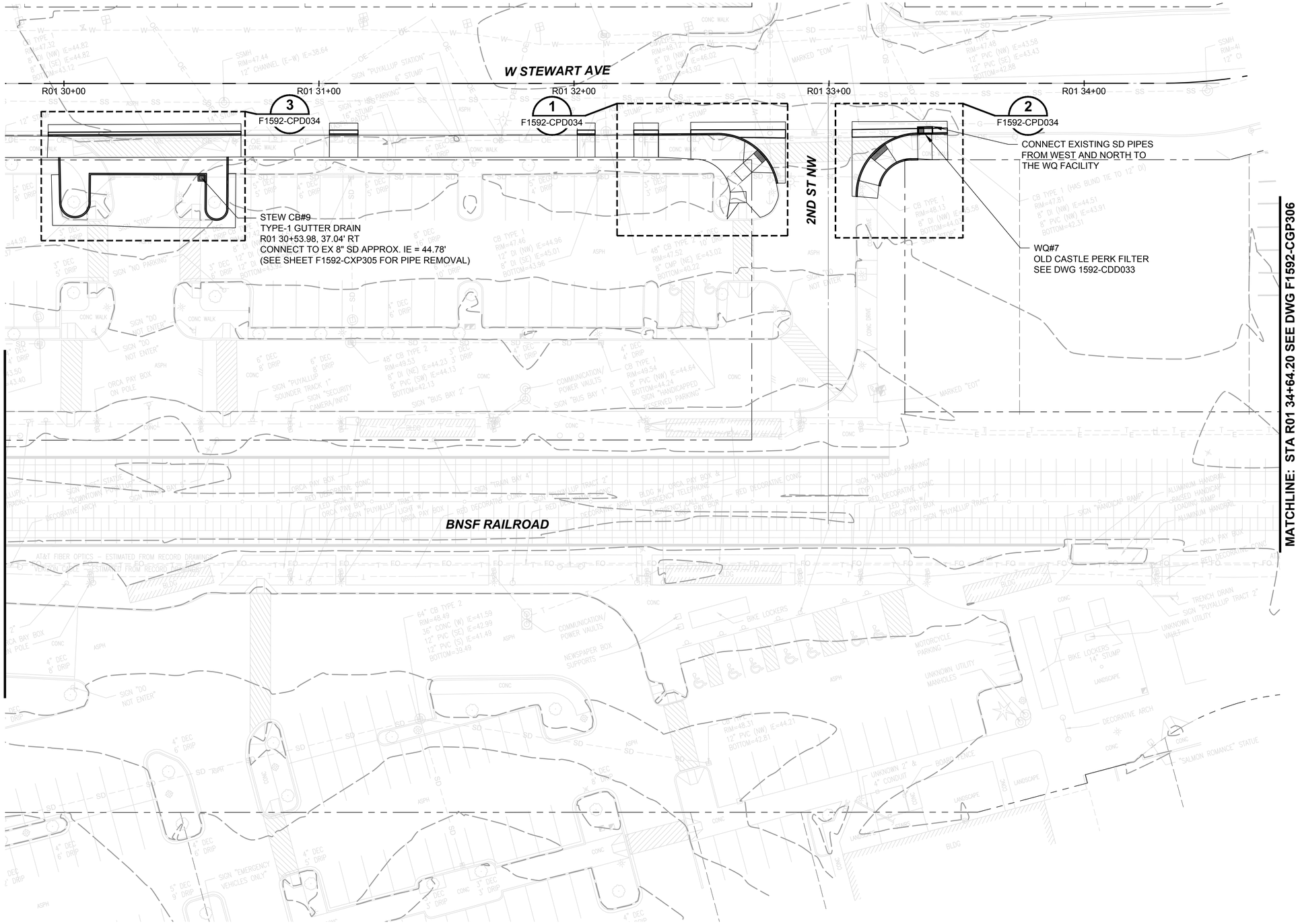
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FILENAME: S317-F1592-CGP304
CONTRACT No.: RTA/CN 0612-18

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
CIVIL
GRADING AND DRAINAGE PLAN

DRAWING No.: F1592-CGP304
FACILITY ID: F1592
SHEET No.: 90
REV: 0

05/04/23 | 2:56 PM | JONC
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Xrefs:
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xS317-F1592-VRX10
xS317-F1592-CSP10
xS317-F1592-CDP10
xS317-F1592-UWP10
xS317-F1592-UPP10
xGB-TB22x34
xS317-F1592-CPP10
xS317-F1592-CLP10
xS317-F1592-TSP10
xS317-F1592-UCP10



1. FOR GENERAL NOTES, SEE DRAWING F1592-CZN001.
2. FOR LEGENDS AND SYMBOLS, SEE DRAWING F1592-CZN010.
3. FOR DRAINAGE PROFILE, SEE DRAWINGS F1592-CDV031 THROUGH F1592-CDV033.
4. FOR CURB TYPES AND PAVING, AND HORIZONTAL CONTROL OF CURBS, SEE DRAWINGS F1592-CRP301 THROUGH F1592-CRP307.
5. FOR VERTICAL CONTROL OF CURBS, SEE DRAWINGS F1592-CRV031 THROUGH F1592-CRV033
6. FOR CURB RAMP DETAILS AND DRIVEWAY DETAILS, SEE DRAWINGS F1592-CPD031 THROUGH F1592-CPD138.
7. SEE DESIGN PACKAGE DP-2 FOR THE SITE STORMWATER CONVEYANCE OUTSIDE OF CITY RIGHT OF WAY.

20 10 0 20 40
SCALE IN FEET

05/04/23 | 2:57 PM | JONC
Z:\1900001-1900999\1900096 ST PUYALLUP DB GARAGE\CADD\DESIGN\S317-F1592-CGP305.DWG

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	04/17/2023	SGR	ERM	JGM	FINAL AS-BUILT

DESIGNED BY: S. GUJULUVA RAJAN
DRAWN BY: J. CURTIS
CHECKED BY: E. MENDEL
APPROVED BY: J. MATTHEWS

kpff
SUBMITTED BY: SARA ROBERTS

HENSEL PHELPS
Plan. Build. Manage.
kpff
DATE: 04/17/2023
REVIEWED BY: GREG SHIMIZU

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT
DATE: 04/17/2023

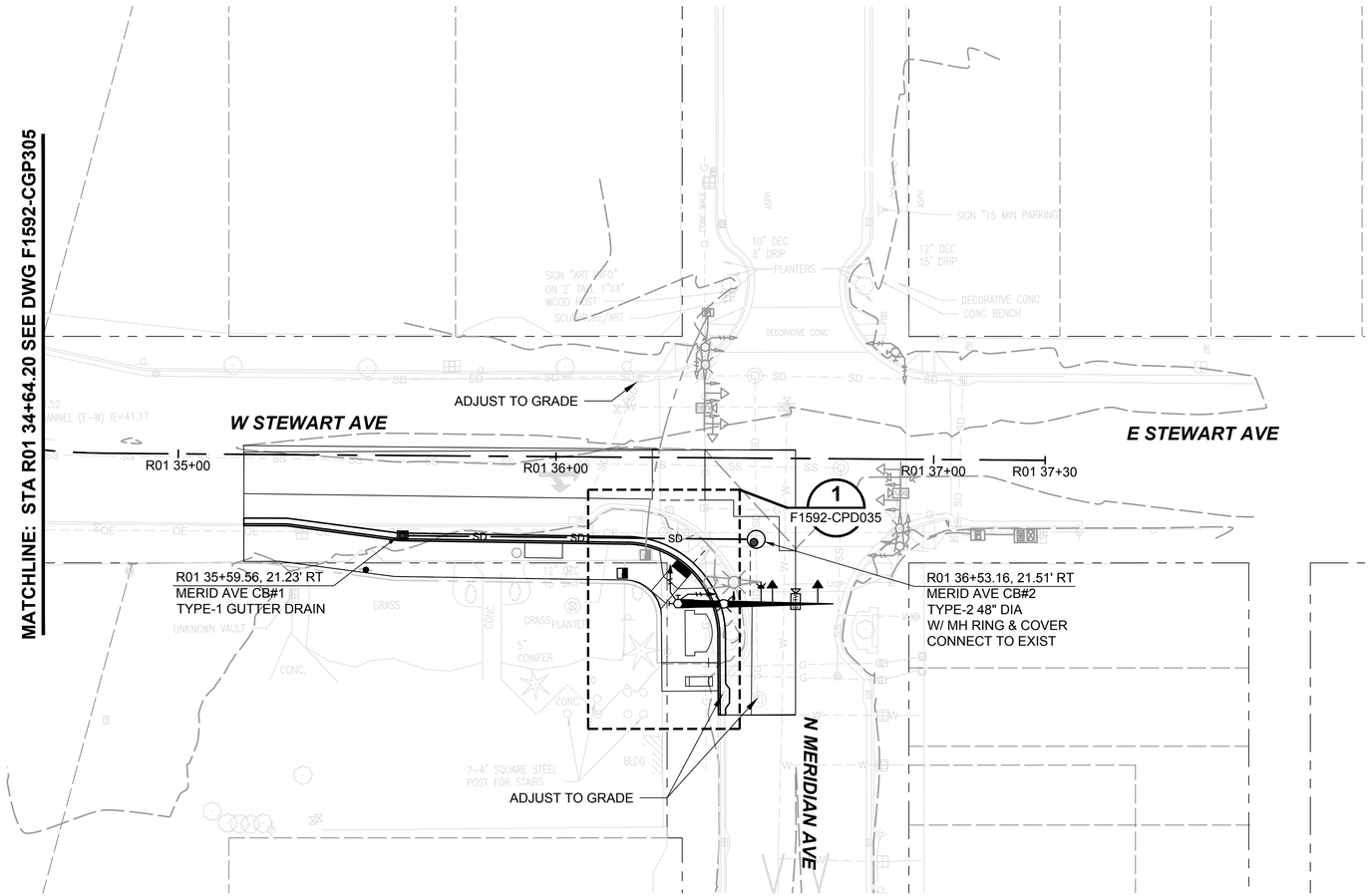
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FILENAME: S317-F1592-CGP305
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 04/17/2023

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
CIVIL
GRADING AND DRAINAGE PLAN

DRAWING No.: F1592-CGP305
FACILITY ID: F1592
SHEET No.: 91
REV: 0

GENERAL NOTES:

Xrefs:
xS317-F1592-RPP10
xS317-F1592-VRX10
xS317-F1592-CSP10
xS317-F1592-CDP10
xS317-F1592-UWP10
xS317-F1592-UPP10
xGB-TB22x34
xS317-F1592-CPP10
xS317-F1592-CLP10
xS317-F1592-TSP10
xS317-F1592-UCP10



1. FOR GENERAL NOTES, SEE DRAWING F1592-CZN001.
2. FOR LEGENDS AND SYMBOLS, SEE DRAWING F1592-CZN010.
3. FOR DRAINAGE PROFILE, SEE DRAWINGS F1592-CDV031 THROUGH F1592-CDV033.
4. FOR CURB TYPES AND PAVING, AND HORIZONTAL CONTROL OF CURBS, SEE DRAWINGS F1592-CRP301 THROUGH F1592-CRP307.
5. FOR VERTICAL CONTROL OF CURBS, SEE DRAWINGS F1592-CRV031 THROUGH F1592-CRV033
6. FOR CURB RAMP DETAILS AND DRIVEWAY DETAILS, SEE DRAWINGS F1592-CPD031 THROUGH F1592-CPD138.
7. SEE DESIGN PACKAGE DP-2 FOR THE SITE STORMWATER CONVEYANCE OUTSIDE OF CITY RIGHT OF WAY.

20 10 0 20 40
SCALE IN FEET

GENERAL NOTES:

05/04/23 | 2:57 PM | JONC
Z:\1900001-1900999\1900096 ST PUYALLUP DB GARAGE\CADD\DESIGN\S317-F1592-CGP306.DWG

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	04/17/2023	SGR	ERM	JGM	FINAL AS-BUILT

DESIGNED BY: S. GUJULUVA RAJAN
DRAWN BY: J. CURTIS
CHECKED BY: E. MENDEL
APPROVED BY: J. MATTHEWS

kpff
SUBMITTED BY: SARA ROBERTS

HENSEL PHELPS Plan. Build. Manage. kpff
DATE: 04/17/2023
REVIEWED BY: GREG SHIMIZU

LINE IS 1" AT FULL SCALE

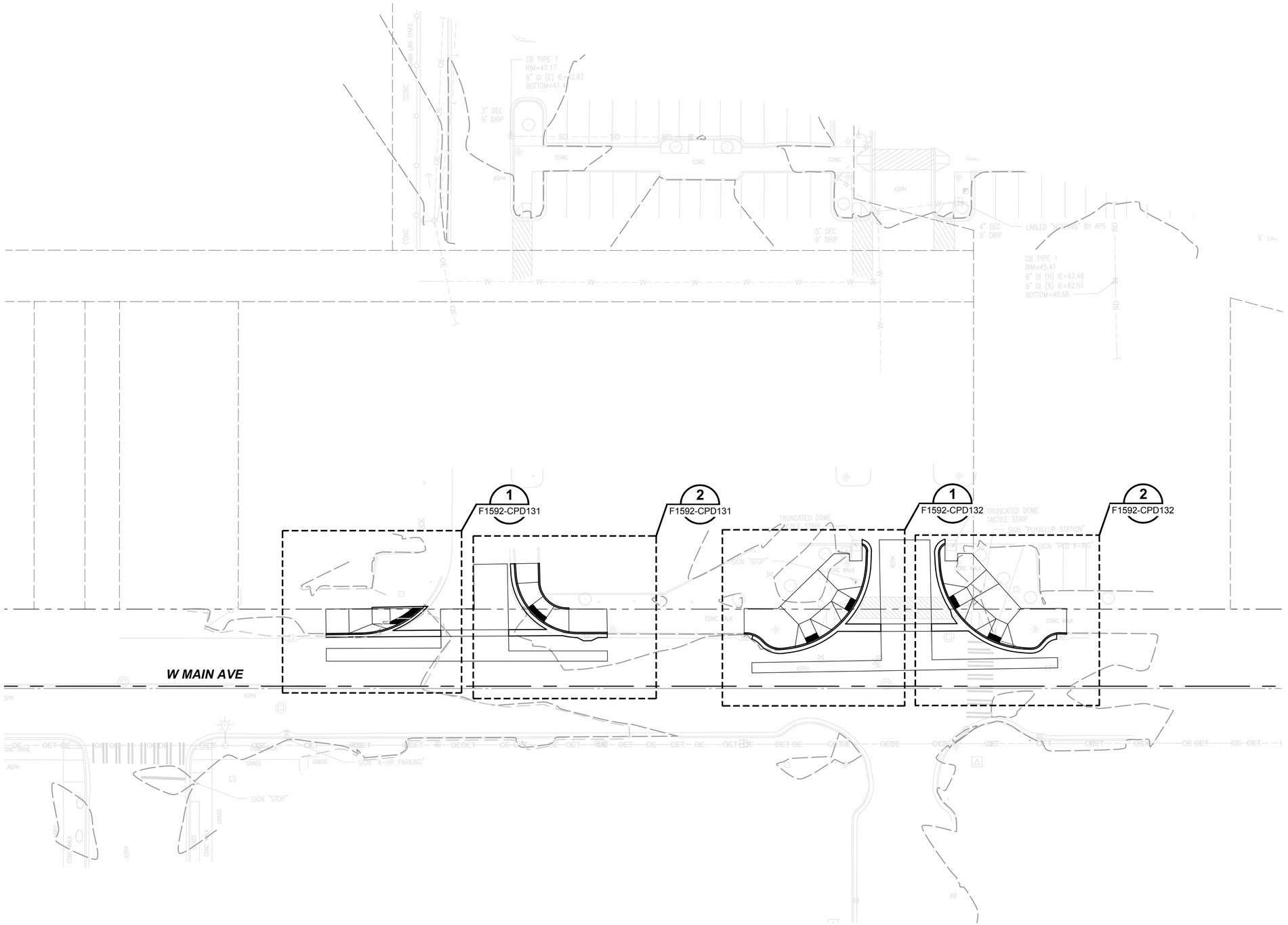
SOUNDTRANSIT
DATE: 04/17/2023

SCALE: 1"=20'
FILENAME: S317-F1592-CGP306
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 04/17/2023

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
CIVIL
GRADING AND DRAINAGE PLAN

DRAWING No.: F1592-CGP306
FACILITY ID: F1592
SHEET No.: 92
REV: 0

Xrefs:
xS317-F1592-RPP10
xS317-F1592-VRX10
xS317-F1592-CSP10
xS317-F1592-CDP10
xS317-F1592-UWP10
xS317-F1592-UPP10
xGB-TB22x34
xS317-F1592-CPP10
xS317-F1592-CLP10
xS317-F1592-TSP10
xS317-F1592-UCP10



1. FOR GENERAL NOTES, SEE DRAWING F1592-CZN001.
2. FOR LEGENDS AND SYMBOLS, SEE DRAWING F1592-CZN010.
3. FOR DRAINAGE PROFILE, SEE DRAWINGS F1592-CDV031 THROUGH F1592-CDV033.
4. FOR CURB TYPES AND PAVING, AND HORIZONTAL CONTROL OF CURBS, SEE DRAWINGS F1592-CGP301 THROUGH F1592-CGP307.
5. FOR VERTICAL CONTROL OF CURBS, SEE DRAWINGS F1592-CRV031 THROUGH F1592-CRV033
6. FOR CURB RAMP DETAILS AND DRIVEWAY DETAILS, SEE DRAWINGS F1592-CPD031 THROUGH F1592-CPD138.
7. SEE DESIGN PACKAGE DP-2 FOR THE SITE STORMWATER CONVEYANCE OUTSIDE OF CITY RIGHT OF WAY.

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	04/17/2023	SGR	ERM	JGM	FINAL AS-BUILT

DESIGNED BY: S. GUJULUVA RAJAN
DRAWN BY: J. CURTIS
CHECKED BY: E. MENDEL
APPROVED BY: J. MATTHEWS

kpff

HENSEL PHELPS
Plan. Build. Manage.
kpff

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT

SUBMITTED BY: SARA ROBERTS
DATE: 04/17/2023
REVIEWED BY: GREG SHIMIZU
DATE: 04/17/2023

SCALE: 1"=20'
FILENAME: S317-F1592-CGP307
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 04/17/2023

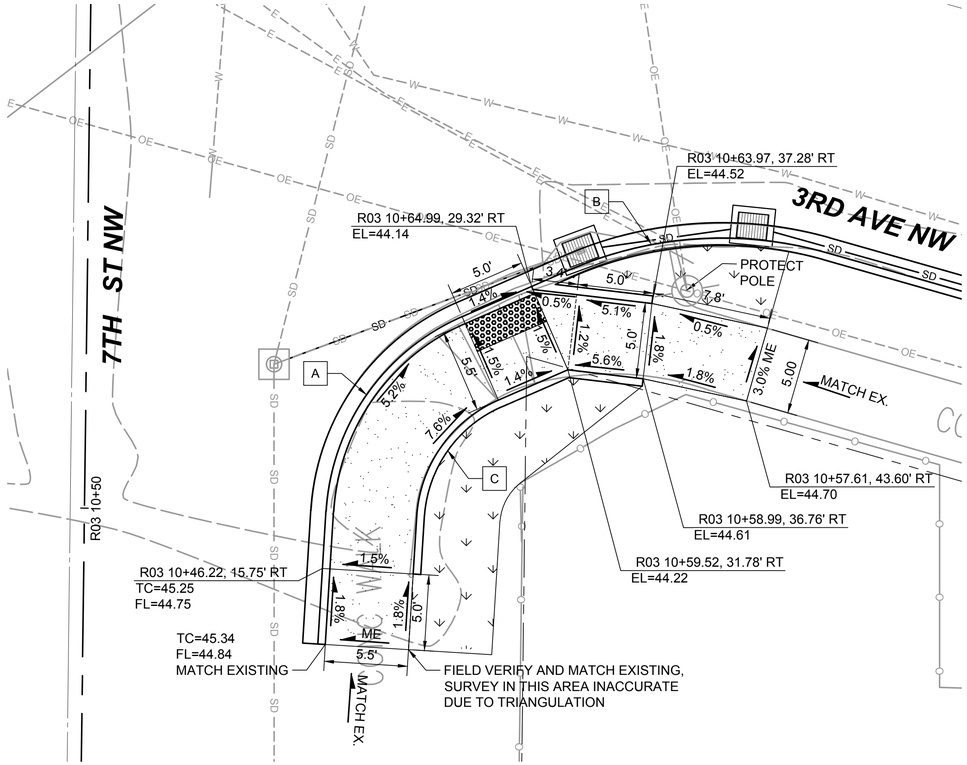
PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
CIVIL
GRADING AND DRAINAGE PLAN

DRAWING No.: F1592-CGP307
FACILITY ID: F1592
SHEET No.: 93
REV: 0

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GENERAL NOTES:

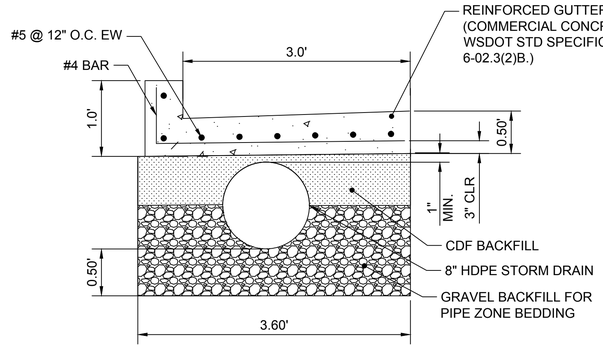
Xrefs:
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xS317-F1592-VRX10
xS317-F1592-CSP10
xS317-F1592-CPP10
xGB-TB22x34



CURB RAMP DETAIL

SCALE: 1" = 5'

1 F1592-CRP102



SCALE: NTS

2 F1592-CRP102

CURB RETURN TABLE A			
DELTA	RADIUS	TANGENT	LENGTH
62°56'58"	15.00'	9.18'	16.48'
POINT	STA-OFFSET	FL EL	TC/SW EL
PC	7THS 10+50.00, 15.94' RT	44.65	45.05'
1/2	7THS 10+57.71, 18.53' RT	44.53	44.62'
PT	7THS 10+62.94, 24.76' RT	44.20	44.20'

CURB RETURN TABLE B			
DELTA	RADIUS	TANGENT	LENGTH
39°20'16"	25.00'	8.94'	17.16'
POINT	STA-OFFSET	FL EL	TC EL
PC	R03 10+66.15, 31.89' RT	44.04'	44.54'
1/2	R03 10+68.27, 40.16' RT	43.89'	44.39'
PT	R03 10+67.49, 48.67' RT	43.90'	44.40'

CURB RETURN TABLE C			
DELTA	RADIUS	TANGENT	LENGTH
62°16'01"	9.00'	5.44'	9.78'
POINT	STA-OFFSET	SW EL	TC EL
PC	7THS 10+49.81 21.94' RT	45.04'	45.18'
1/2	7THS 10+54.37, 23.51' RT	44.67'	44.98'
PT	7THS 10+57.47, 27.22' RT	44.30'	44.80'

NOTES:

1. ELEVATIONS ARE MEASURED AT FLOW LINE OF CURB AND GUTTER UNLESS OTHERWISE NOTED.
2. HORIZONTAL CONTROL IS AT FACE OF CURB UNLESS OTHERWISE NOTED.
3. ALL CURBS ARE 6 INCHES TALL UNLESS OTHERWISE NOTED.

5 2.5 0 5 10
SCALE IN FEET

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	04/17/2023	SGR	JGM	JGM	FINAL AS-BUILT

DESIGNED BY: S. GUJJULUVA RAJAN
DRAWN BY: M. VU
CHECKED BY: J. MATTHEWS
APPROVED BY: J. MATTHEWS

kpff

HENSEL PHELPS Plan. Build. Manage.
kpff

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT

SUBMITTED BY: SARA ROBERTS
DATE: 04/17/2023
REVIEWED BY: GREG SHIMIZU
DATE: 04/17/2023

SCALE: AS NOTED
FILENAME: S317-F1592-CPD011
CONTRACT No.: RTA / CN 0612-18
SUBMITTAL DATE: 04/17/2023

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING ACCESS IMPROVEMENTS

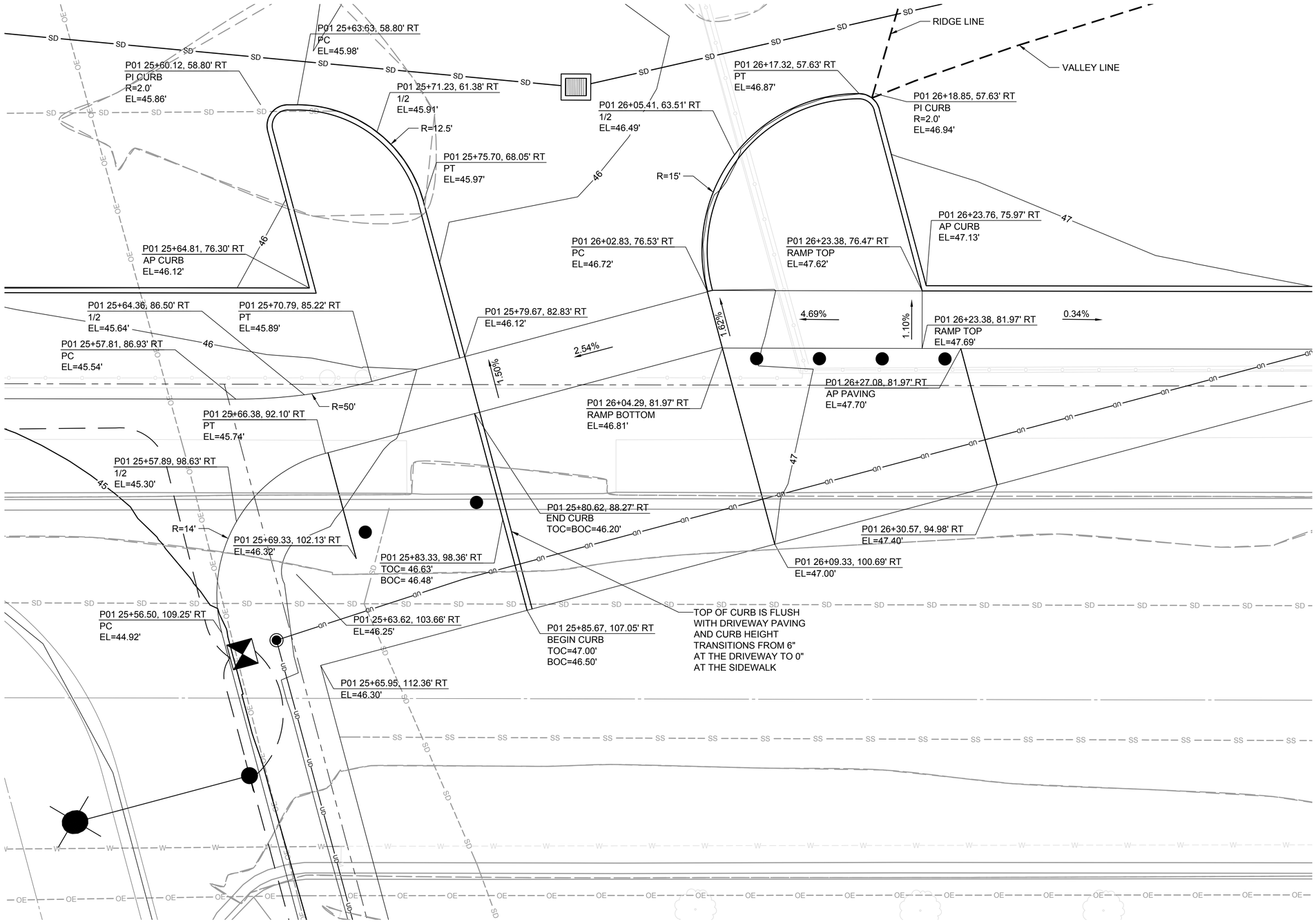
PAVING AND GRADING DETAILS

DRAWING No.: F1592-CPD011
FACILITY ID: F1592
SHEET No.: 94
REV: 0

05/04/23 | 3:04 PM | JONC
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TRENCH DETAIL

Xrefs:
xS317-F1592-RPP10
xS317-F1592-VRX10
xS317-F1592-CSP10
xS317-F1592-CDP10
xS317-F1592-UWP10
xS317-F1592-UPP10
xGB-TB22x34
xS317-F1592-TSP10
xS317-F1592-CLP10



GENERAL NOTES:

1. FOR GENERAL NOTES, SEE DRAWING F1592-CZN001.
2. FOR LEGENDS AND SYMBOLS, SEE DRAWING F1595-CZN010.
3. FOR CURB TYPES AND PAVING, SEE DRAWINGS F1592-CRP202 THROUGH F1592-CRP204.
4. FOR FINISHED GRADING OF THE PLANTING AREAS, SEE DRAWINGS F1592-LPP102 THROUGH F1592-LPP105.
5. ALL THE HORIZ AND VERT CURB CONTROL LABELS ARE POINTING TO THE FACE OF CURB.

5 2.5 0 5 10
SCALE IN FEET

DP-2 SITEWORK AND UTILITIES

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	04/17/2023	SGR	JGM	JGM	FINAL AS-BUILT

DESIGNED BY: S. GUJULUVA RAJAN
DRAWN BY: M. VU
CHECKED BY: J. MATTHEWS
APPROVED BY: J. MATTHEWS

kpff
SUBMITTED BY: SARA ROBERTS
DATE: 04/17/2023

HENSEL PHELPS Plan. Build. Manage.
kpff
REVIEWED BY: GREG SHIMIZU
DATE: 04/17/2023

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT
SCALE: 1" = 5'
FILENAME: S317-F1592-CPD021
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 04/17/2023

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS

CIVIL
PAVING AND GRADING DETAILS

DRAWING No.: F1592-CPD021
FACILITY ID: F1592
SHEET No.: 95
REV: 0

05/04/23 | 3:04 PM | JONC
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xS317-F1592-VRX10
xS317-F1592-CSP10
xS317-F1592-CDP10
xS317-F1592-UPP10
xGB-TB22x34
xS317-F1592-TSP10

P01 27+23.77, 6.12' RT
PI CURB
EL=46.88'
R=2.00'

P01 27+25.20, 6.02' RT
PC
EL=46.88'

R=9'

P01 27+31.95, 8.43' RT
1/2
EL=46.57'

P01 27+34.80, 15.00' RT
PT
EL=46.25'

P01 27+34.80, 15.28' RT
PT
EL=46.24'

R=9'

P01 26+69.20, 22.40' RT
PI CURB
EL=46.55'
R=2.00'

P01 27+19.41, 22.40' RT
AP CURB
EL=46.79'

P01 27+32.94, 20.75' RT
1/2
EL=46.09'

P01 27+28.14, 23.97' RT
PC
EL=46.00'

P01 27+18.42, 27.35' RT
LOW POINT
EL=45.90'

P01 26+64.17, 41.17' RT
PI CURB
EL=46.47'
R=2.00'

P01 26+63.04, 57.99' RT
1/2
EL=46.67'
R= 2.50'

P01 26+66.16, 59.05' RT
PT
EL=46.67'

P01 26+61.58, 60.95' RT
PC
EL=46.72'

P01 26+65.61, 75.97' RT
AP CURB
EL=46.98'

P01 26+75.35, 74.93' RT
AP CURB
EL=46.89'

P01 26+90.35, 71.41' RT
RAMP TOP
EL=47.40'

P01 27+00.97, 68.55' RT
RAMP BOTTOM
EL=46.90'

P01 26+92.23, 78.40' RT
RAMP TOP
EL=47.50'

P01 27+02.85, 75.54' RT
RAMP BOTTOM
EL=47.00'

P01 26+72.28, 81.97' RT
AP PAVING
EL=47.54'

P01 26+72.73, 83.64' RT
AP PAVING
EL=47.58'

P01 27+80.85, 9.51' RT
GDBK
EL= 46.58'

CURB HEIGHT TRANSITION

P01 27+84.42, 22.84' RT
TOC= 47.01'
BOC= 46.60'
5" CURB

VALLEY LINE

CURB HEIGHT TRANSITION

P01 27+75.80, 35.05' RT
AP SIDEWALK
EL=46.97'

P01 27+64.72, 28.12' RT
PT
EL=46.51'

R=5'

P01 27+61.39, 31.04' RT
1/2
EL=46.59'

P01 27+61.69, 35.45' RT
PC
EL=46.66'

P01 27+63.38, 38.39' RT
TOC= 46.85'
BOC= 46.71'

CURB HEIGHT TRANSITION

P01 27+69.83, 49.52' RT
AP CURB
TOC=BOC=46.89'

P01 27+67.69, 50.61' RT
LANDING BOTTOM
EL= 46.89'

P01 27+97.71, 19.80' RT
LANDING TOP
EL=47.14'

P01 27+87.32, 31.93' RT
LANDING BOTTOM
EL=47.09'

P01 28+00.05, 28.51' RT
LANDING TOP
EL=47.25'

P01 27+69.57, 57.60' RT
LANDING BOTTOM
EL=47.00'

P01 27+79.16, 47.53' RT
LANDING TOP
EL=47.05'

P01 27+81.04, 54.51' RT
LANDING TOP
EL=47.09'

4.55%

1.50%

1.50%

1.4%

GENERAL NOTES:

1. FOR GENERAL NOTES, SEE DRAWING F1592-CZN001.
2. FOR LEGENDS AND SYMBOLS, SEE DRAWING F1595-CZN010.
3. FOR CURB TYPES AND PAVING, SEE DRAWINGS F1592-CRP202 THROUGH F1592-CRP204.
4. FOR FINISHED GRADING OF THE PLANTING AREAS, SEE DRAWINGS F1592-LPP102 THROUGH F1592-LPP105.
5. ALL THE HORIZ AND VERT CURB CONTROL LABELS ARE POINTING TO THE FACE OF CURB.

5 2.5 0 5 10
SCALE IN FEET

05/04/23 | 3:04 PM | JONC
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FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	04/17/2023	SGR	JGM	JGM	FINAL AS-BUILT

DESIGNED BY: S. GUJULUVA RAJAN
DRAWN BY: M. VU
CHECKED BY: J. MATTHEWS
APPROVED BY: J. MATTHEWS

kpff
SUBMITTED BY: SARA ROBERTS
DATE: 04/17/2023

HENSEL PHELPS Plan. Build. Manage.
kpff
REVIEWED BY: GREG SHIMIZU
DATE: 04/17/2023

LINE IS 1" AT FULL SCALE

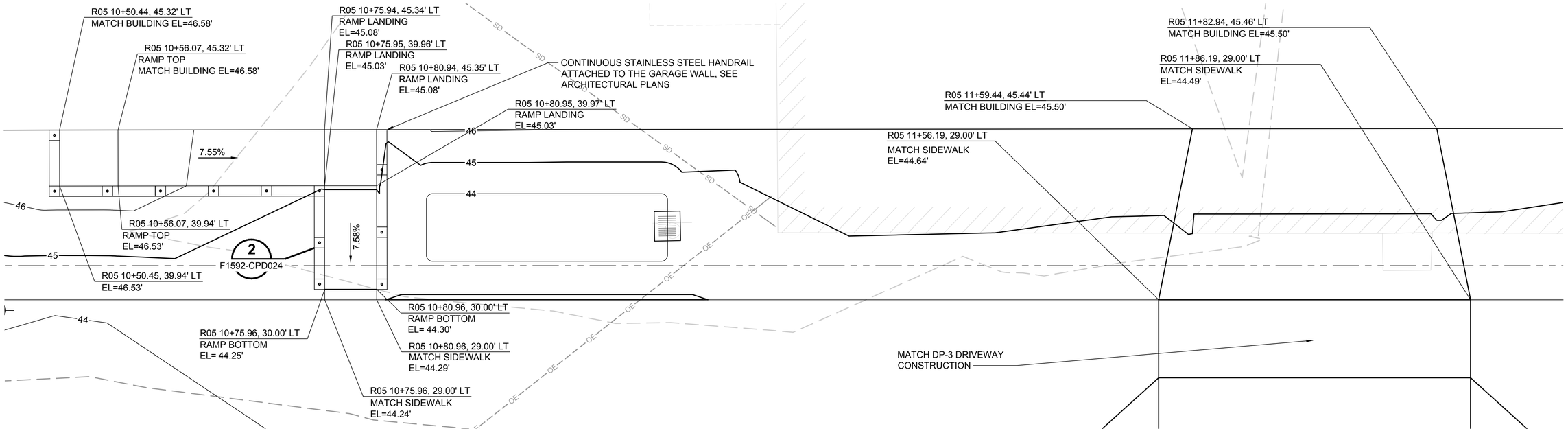
SOUNDTRANSIT
SCALE: 1" = 5'
FILENAME: S317-F1592-CPD022
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 04/17/2023

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS

CIVIL
PAVING AND GRADING DETAILS

DRAWING No.: F1592-CPD022
FACILITY ID: F1592
SHEET No.: 96
REV: 0

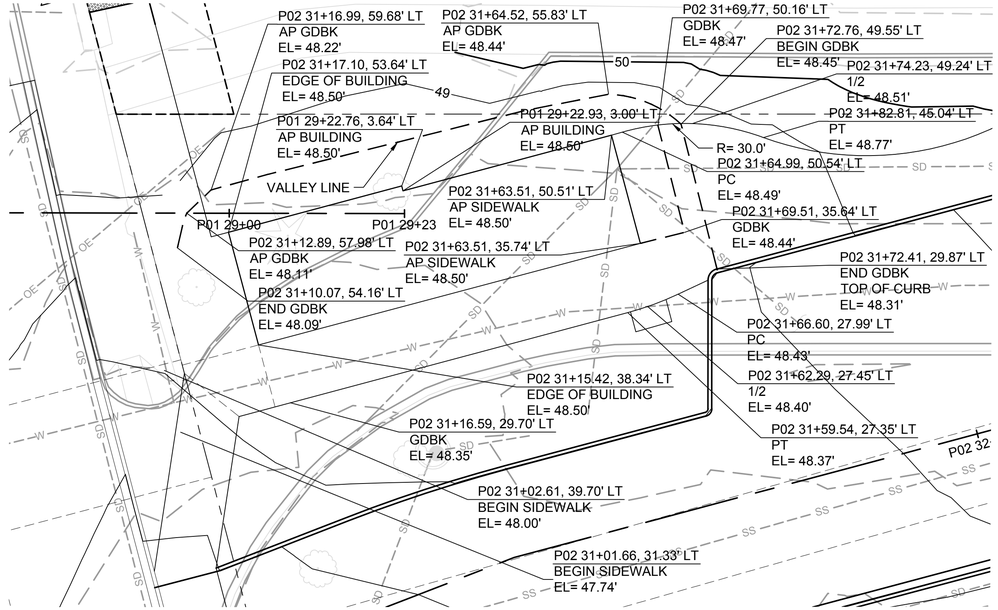
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xS317-F1592-UPP100
xGB-TB22x34
xS317-F1592-CLP100



ENLARGED PLAN DETAIL

SCALE: 1" = 5'

1 F1592-CGP203



ENLARGED PLAN DETAIL

SCALE: 1" = 10'

2 F1592-CGP203

GENERAL NOTES:

1. FOR GENERAL NOTES, SEE DRAWING F1592-CZN001.
2. FOR LEGENDS AND SYMBOLS, SEE DRAWING F1595-CZN010.
3. FOR CURB TYPES AND PAVING, SEE DRAWINGS F1592-CRP202 THROUGH F1592-CRP204.
4. FOR FINISHED GRADING OF THE PLANTING AREAS, SEE DRAWINGS F1592-LPP102 THROUGH F1592-LPP105.
5. ALL THE HORIZ AND VERT CURB CONTROL LABELS ARE POINTING TO THE FACE OF CURB.

5 2.5 0 5 10
SCALE IN FEET

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	04/17/2023	SGR	JGM	JGM	FINAL AS-BUILT

DESIGNED BY: 04/17/2023
DRAWN BY: M. VU
CHECKED BY: J. MATTHEWS
APPROVED BY: J. MATTHEWS

kpff

HENSEL PHELPS
Plan. Build. Manage.
kpff

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT

SCALE: AS NOTED
FILENAME: S317-F1592-CPD023
CONTRACT No.: RTA/CN 0612-18

SUBMITTED BY: SARA ROBERTS
DATE: 04/17/2023
REVIEWED BY: GREG SHIMIZU
DATE: 04/17/2023
SUBMITTAL DATE: 04/17/2023

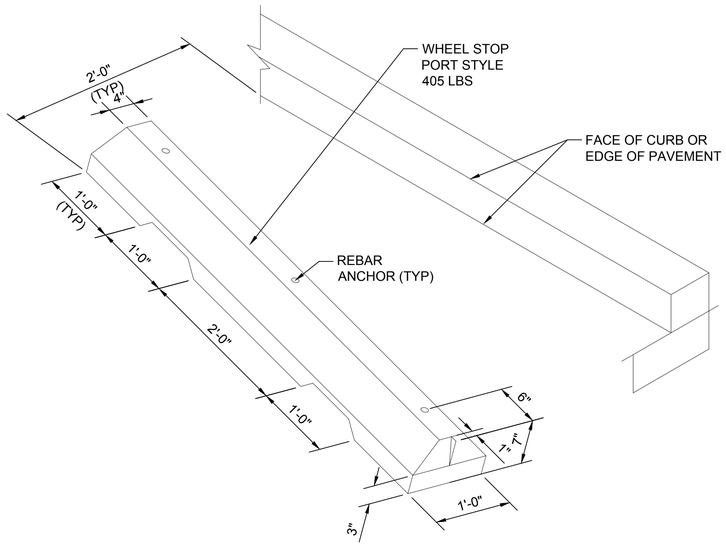
PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS

CIVIL
PAVING AND GRADING DETAILS

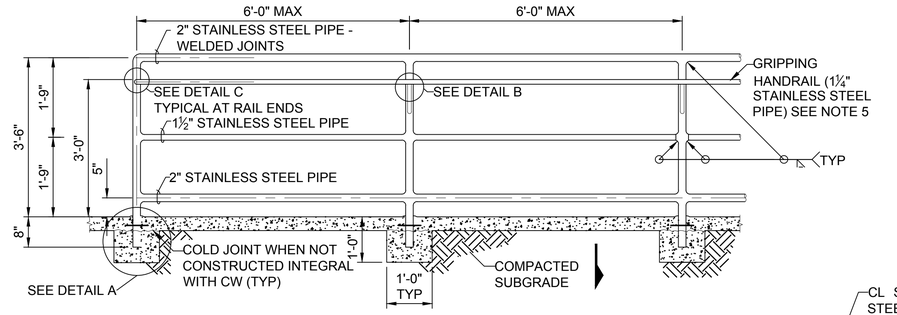
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FACILITY ID: F1592
SHEET No.: 97
REV: 0

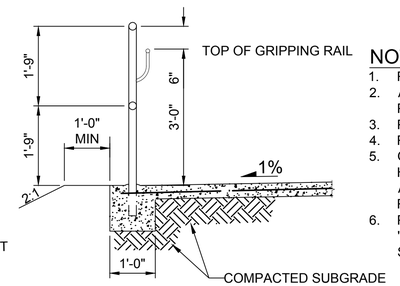
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Xrefs:
xGB-TB22x34



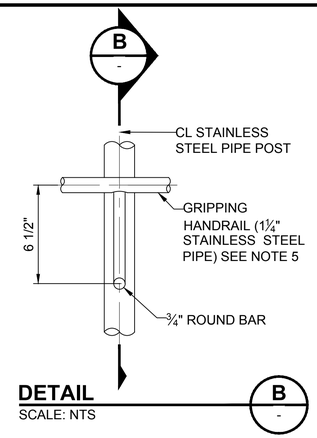
WHEEL STOP DETAIL
SCALE: NTS — 1 — F1592-CMP203



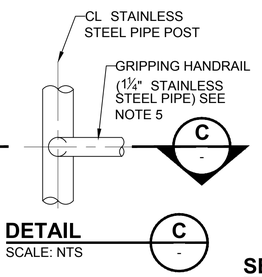


SECTION
SCALE: NTS — A

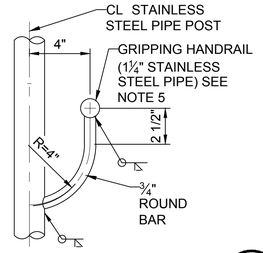
NOTES:
1. RAILING MUST BE STAINLESS STEEL.
2. ALL POSTS MUST BE PLUMB AND RAILS PARALLEL TO THE GROUND.
3. PIPE MATERIAL MUST CONFORM TO ASTM A 312.
4. REINFORCING STEEL ASTM A 706 GR 60.
5. GRIPPING HANDRAILS ON RAMPS MUST EXTEND HORIZONTALLY A MINIMUM OF 12" BEYOND TOP AND BOTTOM OF RAMP RUNS AND SHALL RETURN TO WALL, GUARD, OR FLOOR.
6. PIPE DIAMETERS SHOWN CORRESPOND TO PIPE "SHAPE" AS DEFINED IN AMERICAN INSTITUTE OF STEEL CONSTRUCTION MANUAL.



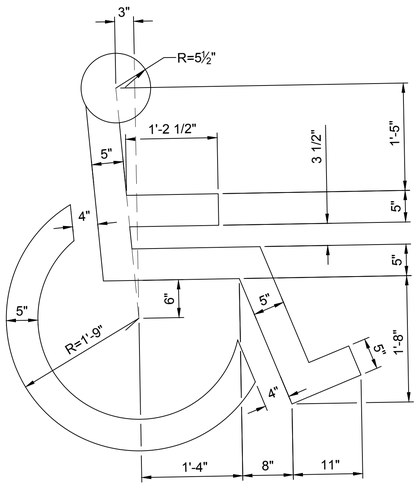
DETAIL
SCALE: NTS — B



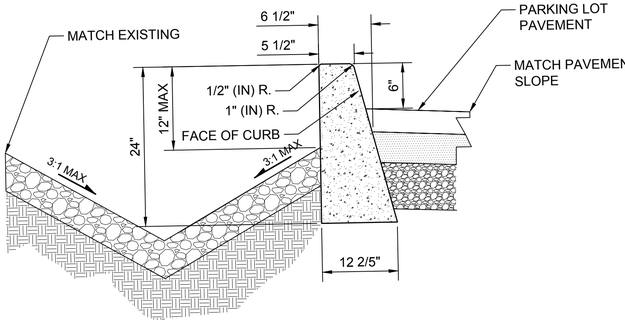
DETAIL
SCALE: NTS — C



SECTION
SCALE: NTS — B

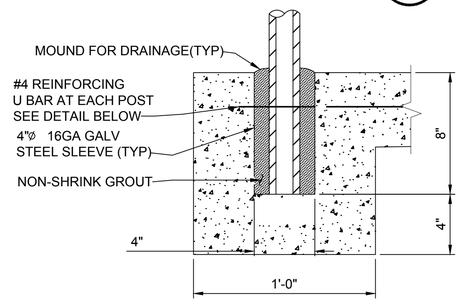


DISABLED PERSON SYMBOL MARKING
SCALE: NTS — 3 — F1592-CMP203, F1592-CMP204



MODIFED CURB
SCALE: NTS — 4 — F1592-CRP203

SECTION
SCALE: NTS — C



HANDRAIL DETAIL
SCALE: NTS — 2 — F1592-CPD023

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	04/17/2023	SGR	JGM	JGM	FINAL AS-BUILT

DESIGNED BY: S. GUJULUVA RAJAN
DRAWN BY: M. VU
CHECKED BY: J. MATTHEWS
APPROVED BY: J. MATTHEWS

kpff — SUBMITTED BY: SARA ROBERTS — DATE: 04/17/2023

HENSEL PHELPS Plan. Build. Manage. kpff — REVIEWED BY: GREG SHIMIZU — DATE: 04/17/2023

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT — SUBMITTAL DATE: 04/17/2023

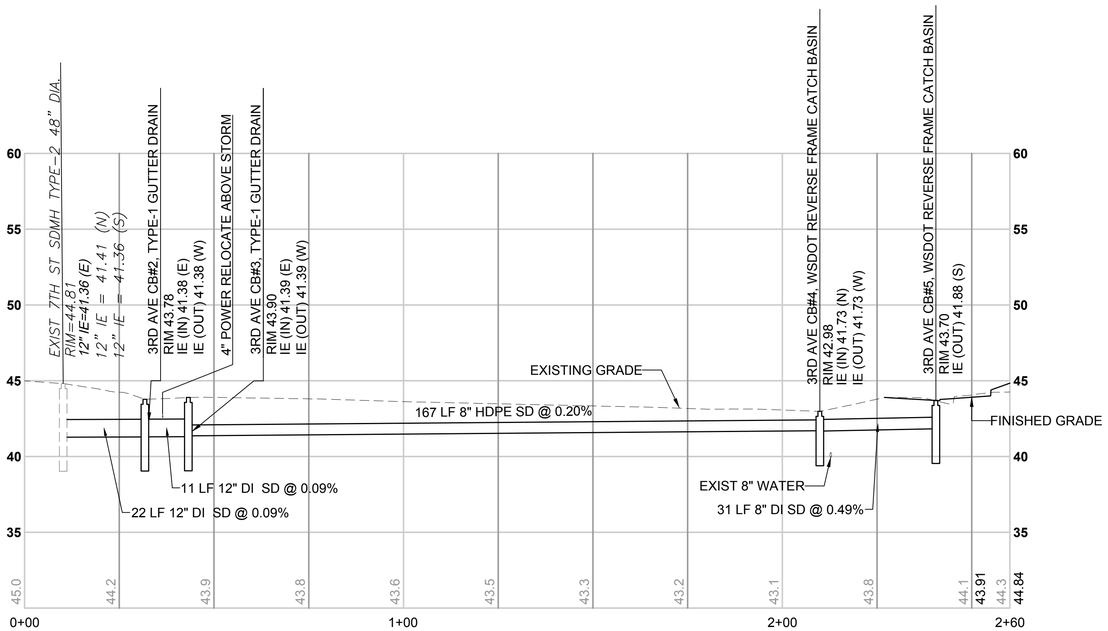
SCALE: NTS
FILENAME: S317-F1592-CPD024
CONTRACT No.: RTA/CN 0612-18

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
CIVIL
PAVING AND GRADING DETAILS

DRAWING No.: F1592-CPD024
FACILITY ID: F1592
SHEET No.: 98
REV: 0

05/04/23 | 3:05 PM | JONC
Z:\1900001-1900999\1900096 ST PUYALLUP DB GARAGE\CADD\DESIGN\S317-F1592-CPD024.DWG

Xrefs:
xGB-TB22x34



PROFILE - 3RD AVE NW

SCALE: H: 1"=20' V: 1"=5'

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	04/17/2023	SGR	ERM	JGM	FINAL AS-BUILT

DESIGNED BY: S. GUJULUVA RAJAN
DRAWN BY: J. CURTIS
CHECKED BY: E. MENDEL
APPROVED BY: J. MATTHEWS

kpff

HENSEL PHELPS
Plan. Build. Manage.
kpff

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT

SUBMITTED BY: SARA ROBERTS
DATE: 04/17/2023
REVIEWED BY: GREG SHIMIZU
DATE: 04/17/2023

SCALE: AS NOTED
FILENAME: S317-F1592-CDV011
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 04/17/2023

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS

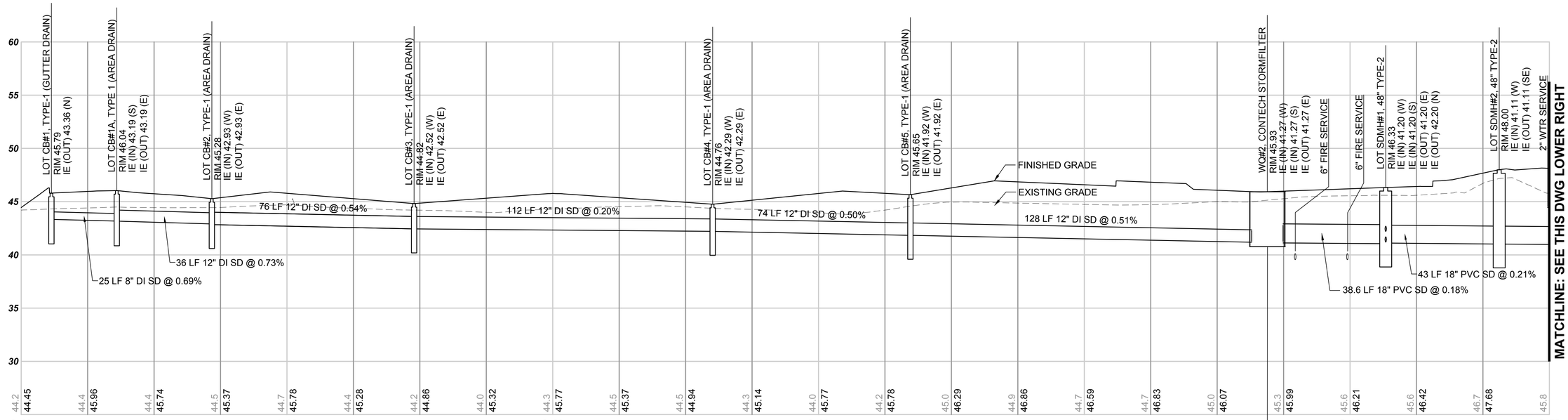
CIVIL
DRAINAGE PROFILES

DRAWING No.: F1592-CDV011
FACILITY ID: F1592
SHEET No.: 99
REV: 0

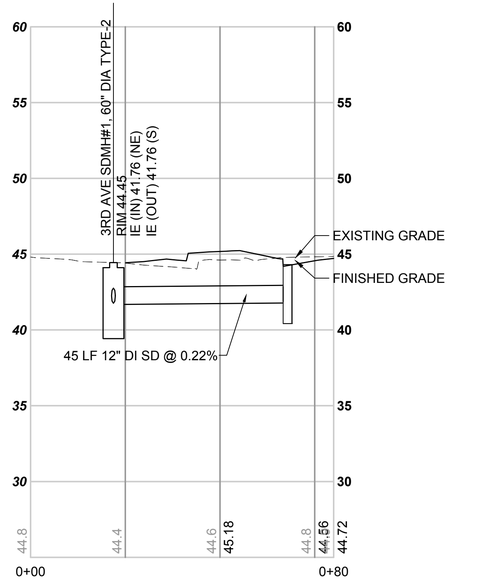
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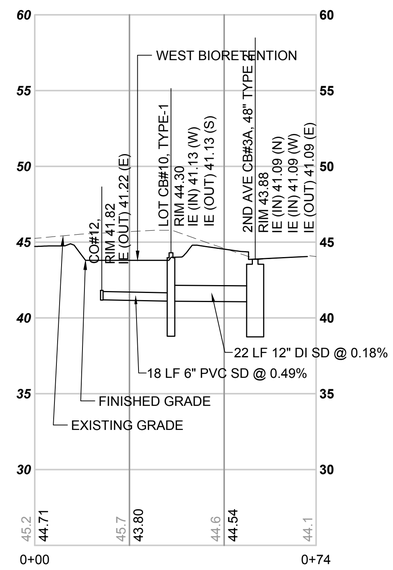
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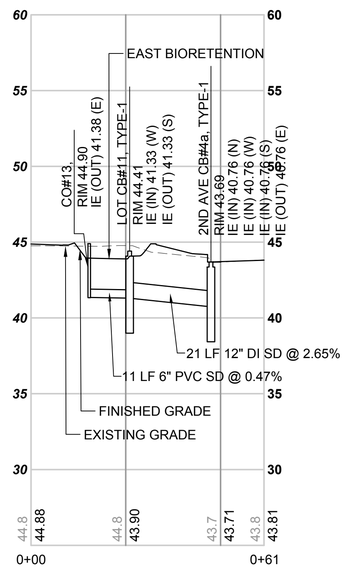
NORTH LOT MAIN
SCALE: H: 1"=20' V: 1"=5'



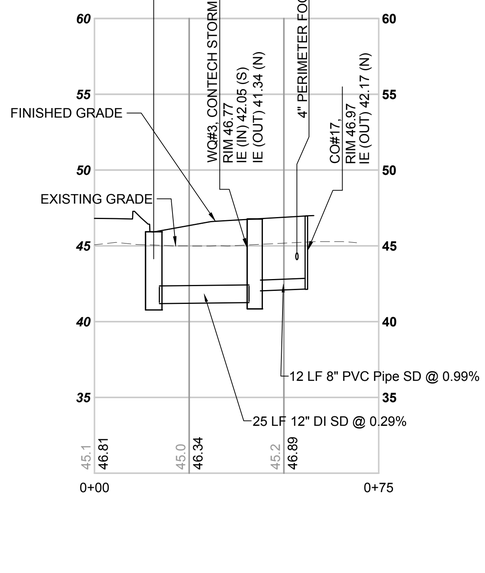
WEST LOT LATERAL & 7TH ST NW
SCALE: H: 1"=20' V: 1"=5'



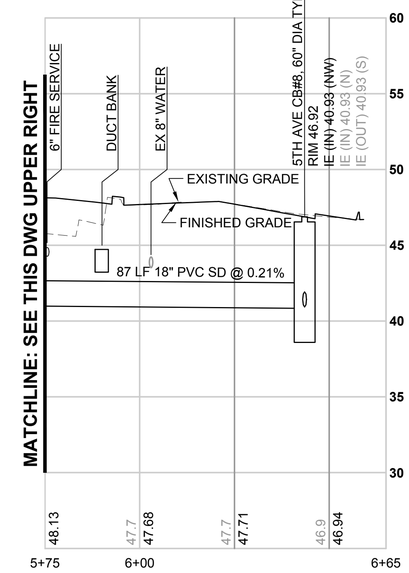
SOUTH LOT LATERAL-1 & 2ND ST NW
SCALE: H: 1"=20' V: 1"=5'



SOUTH LOT LATERAL-2 & 2ND ST NW
SCALE: H: 1"=20' V: 1"=5'



NORTH LOT LATERAL
SCALE: H: 1"=20' V: 1"=5'



NORTH LOT MAIN
SCALE: H: 1"=20' V: 1"=5'

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	04/17/2023	SGR	ERM	JGM	FINAL AS-BUILT

DESIGNED BY: S. GUJULUVA RAJAN
DRAWN BY: J. CURTIS
CHECKED BY: E. MENDEL
APPROVED BY: J. MATTHEWS

kpff

HENSEL PHELPS
Plan. Build. Manage.
kpff

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT

SUBMITTED BY: SARA ROBERTS
DATE: 04/17/2023
REVIEWED BY: GREG SHIMIZU
DATE: 04/17/2023

SCALE: AS NOTED
FILENAME: S317-F1592-CDV021
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 04/17/2023

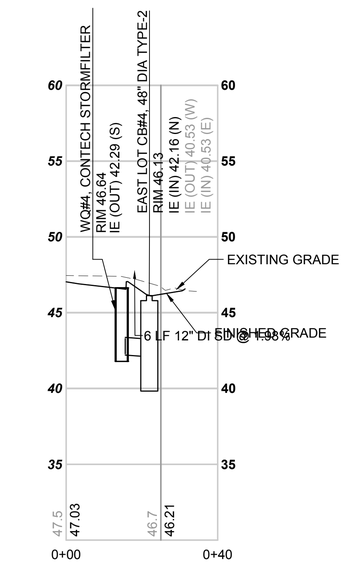
PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
CIVIL
DRAINAGE PROFILES

DRAWING No.: F1592-CDV021
FACILITY ID: F1592
SHEET No.: 100
REV: 0

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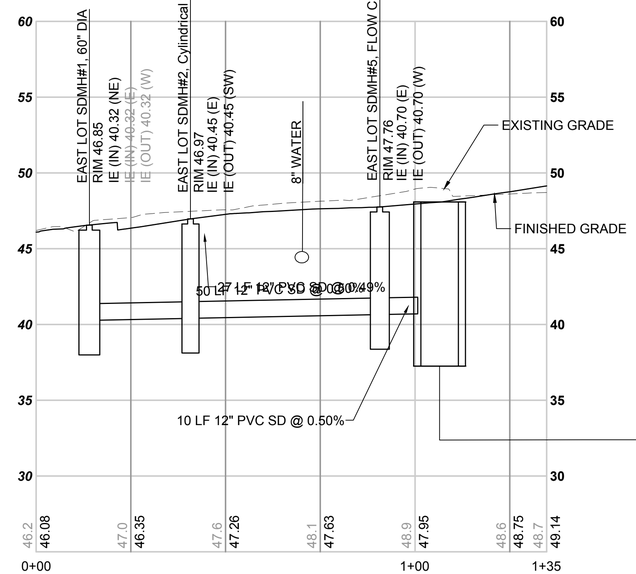
SAME STRUCTURE

Xrefs:
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xGB-TB22x34
xS317-F1592-UWP100



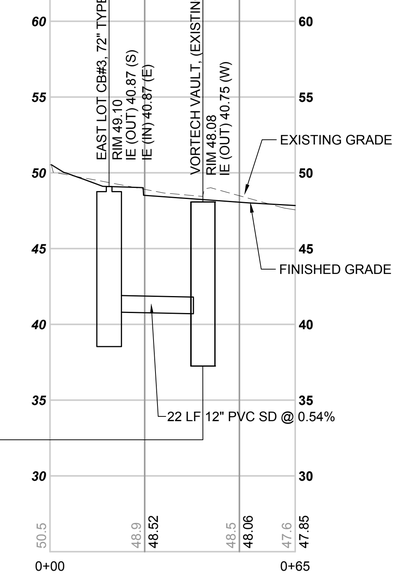
EAST LOT LATERAL-2

SCALE: H: 1"=20' V: 1"=5'



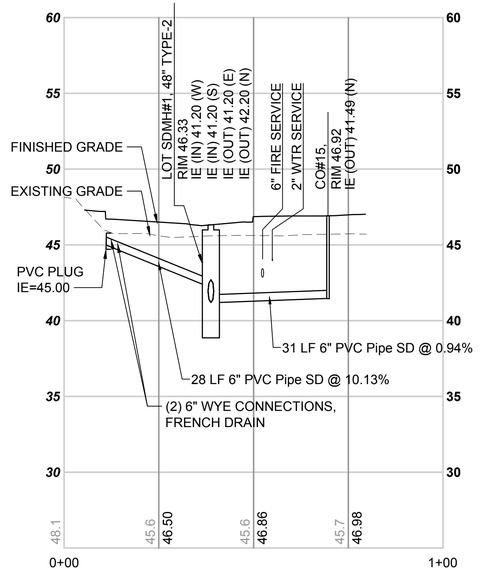
EAST LOT MAIN

SCALE: H: 1"=20' V: 1"=5'



EAST LOT LATERAL-1

SCALE: H: 1"=20' V: 1"=5'



NORTH LOT LATERAL-2

SCALE: H: 1"=20' V: 1"=5'

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	04/17/2023	SGR	ERM	JGM	FINAL AS-BUILT

DESIGNED BY: S. GUJULUVA RAJAN
DRAWN BY: J. CURTIS
CHECKED BY: E. MENDEL
APPROVED BY: J. MATTHEWS

kpff

HENSEL PHELPS
Plan. Build. Manage.
kpff

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT

SUBMITTED BY: SARA ROBERTS
DATE: 04/17/2023
REVIEWED BY: GREG SHIMIZU
DATE: 04/17/2023

SCALE: AS NOTED
FILENAME: S317-F1592-CDV022
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 04/17/2023

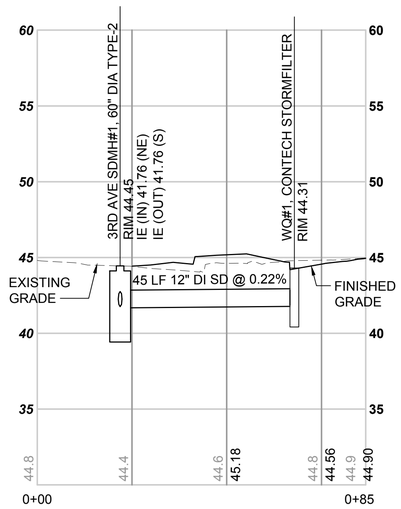
PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
CIVIL
DRAINAGE PROFILES

DRAWING No.: F1592-CDV022
FACILITY ID: F1592
SHEET No.: 101
REV: 0

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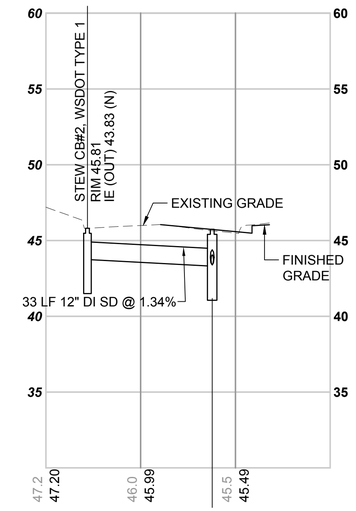
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Xrefs:
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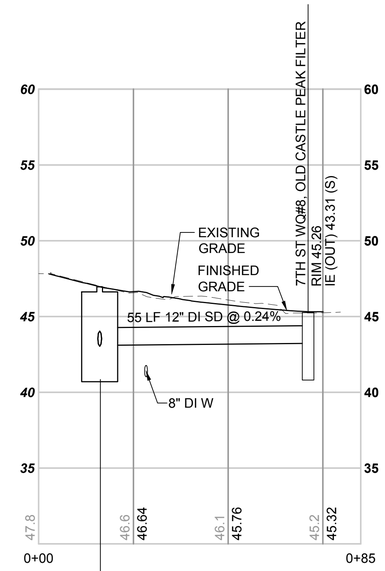
7TH ST & 3RD AVE (LOT LATERAL)

SCALE: H: 1"=20' V: 1"=5'

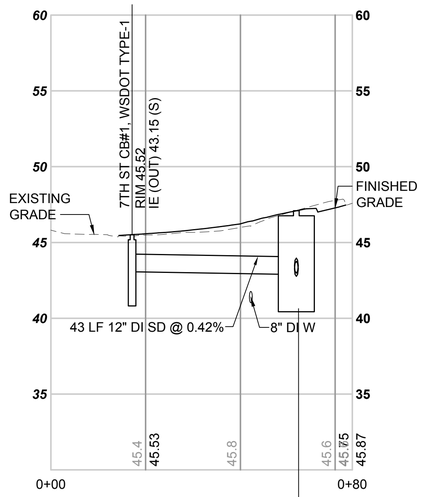


W STEWART AVE (WEST LATERAL)

SCALE: H: 1"=20' V: 1"=5'

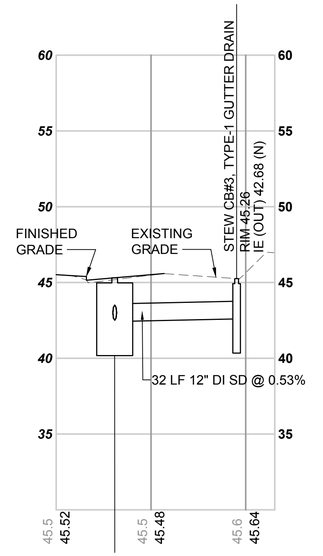


SCALE: H: 1"=20' V: 1"=5'



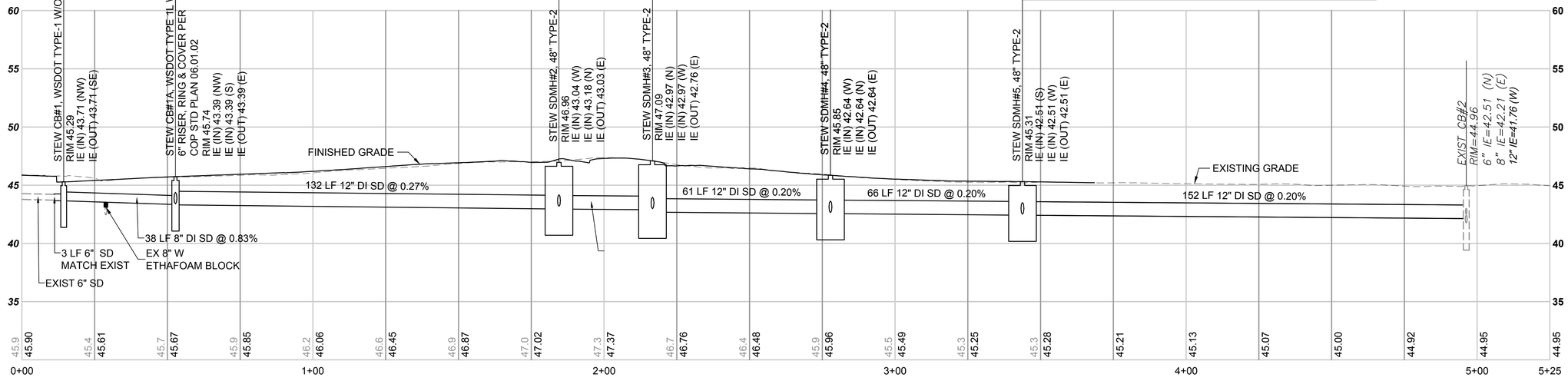
7TH ST (EAST)

SCALE: H: 1"=20' V: 1"=5'



W STEWART AVE (EAST LATERAL)

SCALE: H: 1"=20' V: 1"=5'



W STEWART AVE

SCALE: H: 1"=20' V: 1"=5'

7TH ST (WEST)

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	04/17/2023	SGR	ERM	JGM	FINAL AS-BUILT

DESIGNED BY: S. GUJULUVA RAJAN
DRAWN BY: J. CURTIS
CHECKED BY: E. MENDEL
APPROVED BY: J. MATTHEWS

kpff
SUBMITTED BY: SARA ROBERTS
DATE: 04/17/2023

HENSEL PHELPS Plan. Build. Manage.
kpff
REVIEWED BY: GREG SHIMIZU
DATE: 04/17/2023

LINE IS 1" AT FULL SCALE

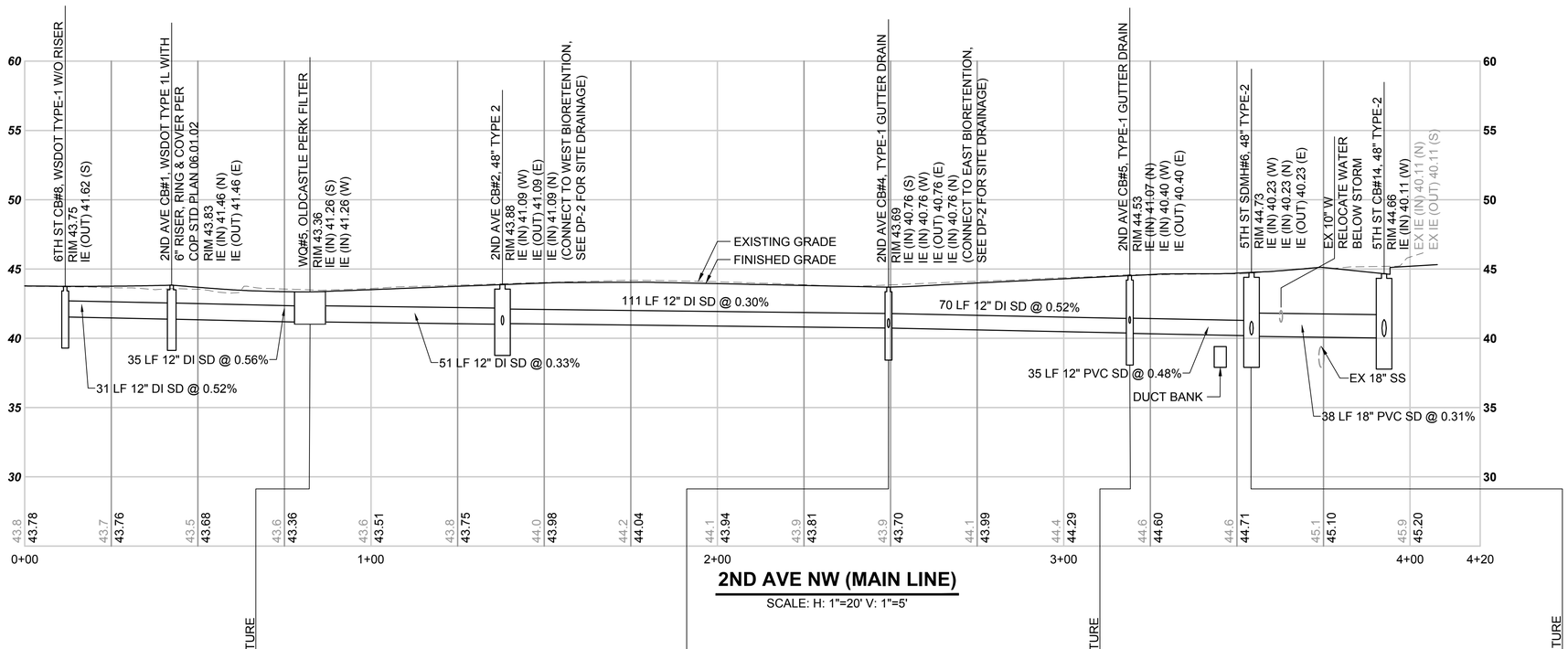
SOUNDTRANSIT
SCALE: AS NOTED
FILENAME: S317-F1592-CDV031
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 04/17/2023

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
CIVIL
DRAINAGE PROFILES

DRAWING No.: F1592-CDV031
FACILITY ID: F1592
SHEET No.: 102
REV: 0

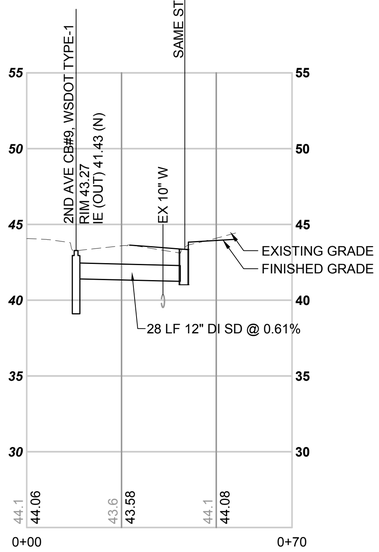
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Xrefs:
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xGB-TB22x34



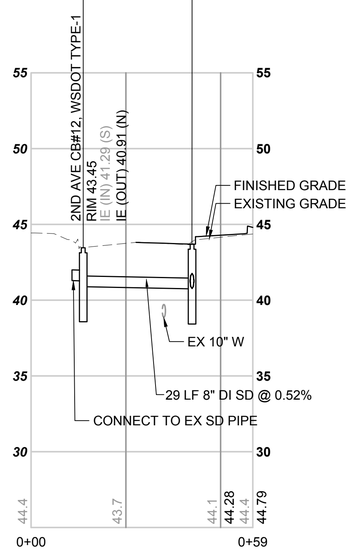
2ND AVE NW (MAIN LINE)

SCALE: H: 1"=20' V: 1"=5'



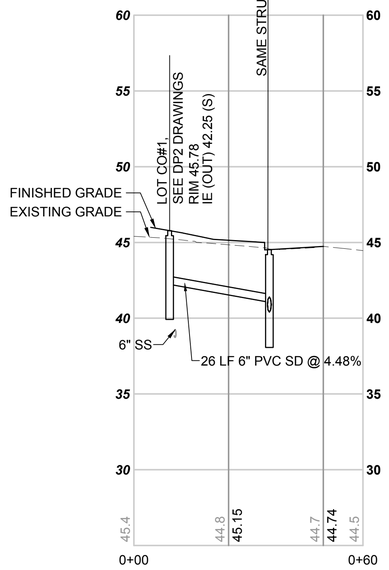
2ND AVE NW (LATERAL 1)

SCALE: H: 1"=20' V: 1"=5'



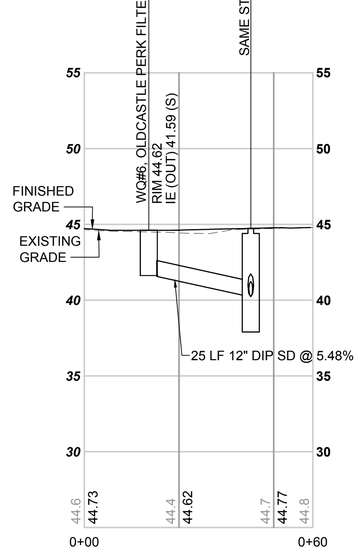
2ND AVE NW (LATERAL 2)

SCALE: H: 1"=20' V: 1"=5'



2ND AVE NW (LATERAL 3)

SCALE: H: 1"=20' V: 1"=5'



5TH ST NW (LATERAL 1)

SCALE: H: 1"=20' V: 1"=5'

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	04/17/2023	SGR	ERM	JGM	FINAL AS-BUILT

DESIGNED BY: S. GUJULUVA RAJAN
DRAWN BY: J. CURTIS
CHECKED BY: E. MENDEL
APPROVED BY: J. MATTHEWS

kpff
SUBMITTED BY: SARA ROBERTS

HENSEL PHELPS
Plan. Build. Manage.
kpff
DATE: 04/17/2023
REVIEWED BY: GREG SHIMIZU

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT
DATE: 04/17/2023

SCALE: AS NOTED
FILENAME: S317-F1592-CDV032
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 04/17/2023

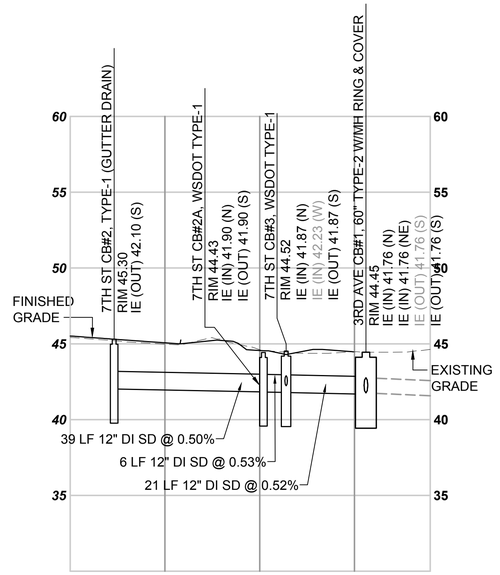
PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
CIVIL
DRAINAGE PROFILES

DRAWING No.: F1592-CDV032
FACILITY ID: F1592
SHEET No.: 103
REV: 0

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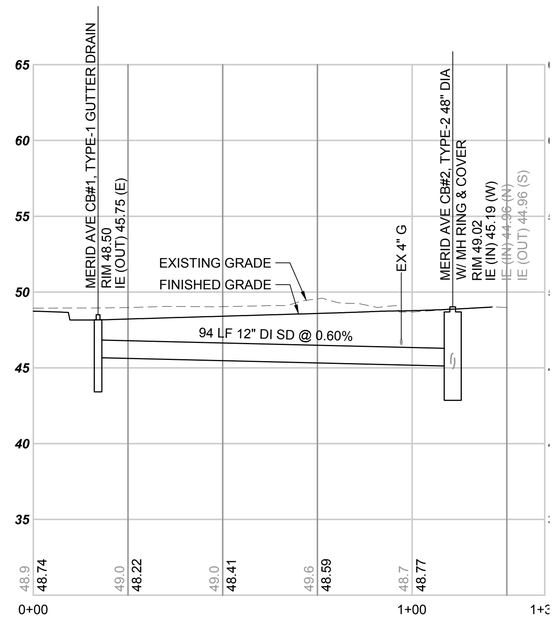
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Xrefs:
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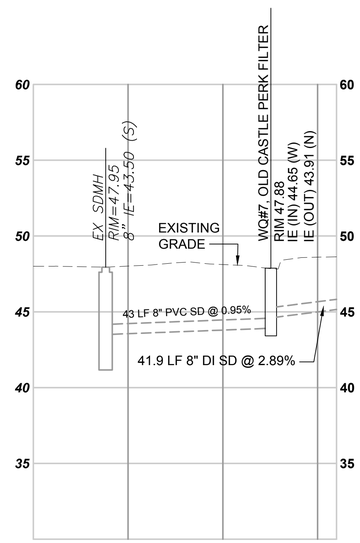
7TH ST & 3RD AVE

SCALE: H: 1"=20' V: 1"=5'



WEST STEWART AVE & MERIDIAN

SCALE: H: 1"=20' V: 1"=5'



SCALE: H: 1"=20' V: 1"=5'

2ND ST & W STEWART AVE

No.	DATE	DSN	CHK	APP	REVISION
0	04/17/2023	SGR	ERM	JGM	FINAL AS-BUILT

FINAL AS-BUILT

DESIGNED BY: S. GUJULUVA RAJAN
DRAWN BY: J. CURTIS
CHECKED BY: E. MENDEL
APPROVED BY: J. MATTHEWS

kpff

HENSEL PHELPS
Plan. Build. Manage.
kpff

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT

SUBMITTED BY: SARA ROBERTS
DATE: 04/17/2023
REVIEWED BY: GREG SHIMIZU
DATE: 04/17/2023

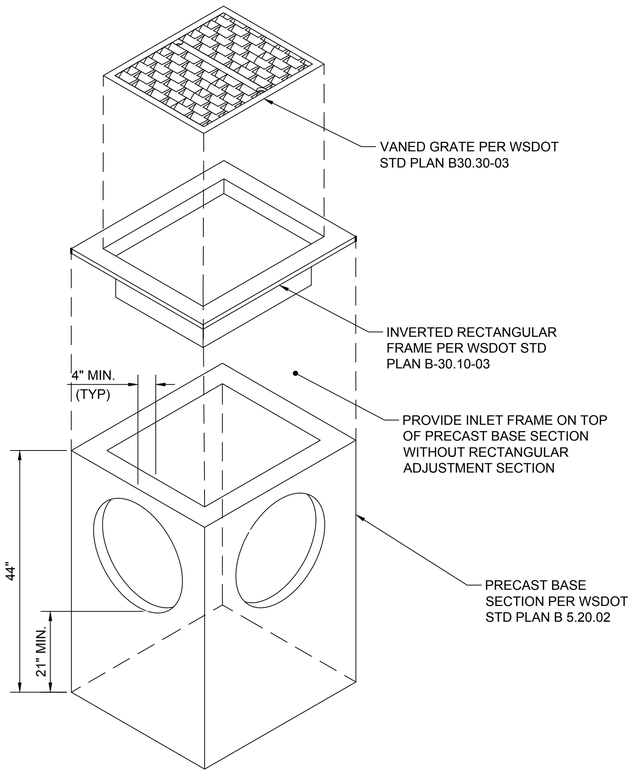
SCALE: AS NOTED
FILENAME: S317-F1592-CDV033
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 04/17/2023

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
CIVIL
DRAINAGE PROFILES

DRAWING No.: F1592-CDV033
FACILITY ID: F1592
SHEET No.: 104
REV: 0

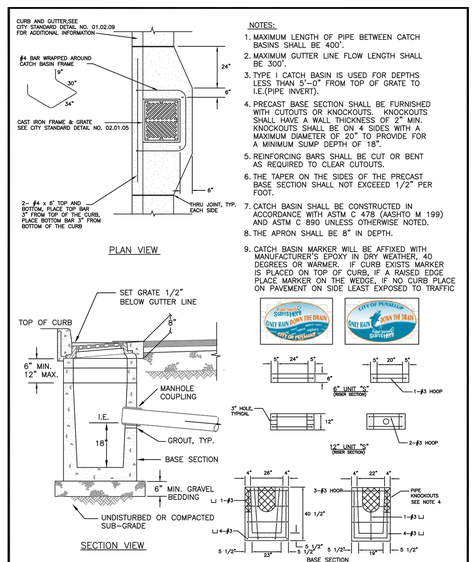
05/04/23 | 2:53 PM | JONC
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Xrefs:
xGB-TB22x34



WSDOT REVERSE FRAME CATCH BASIN 1

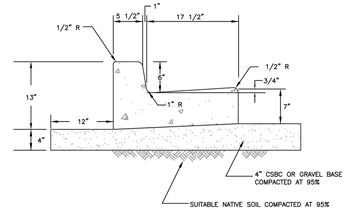
SCALE: NTS F1592-CGP102



NOTES:

1. MAXIMUM LENGTH OF PIPE BETWEEN CATCH BASINS SHALL BE 400'.
2. MAXIMUM GUTTER LINE FLOW LENGTH SHALL BE 300'.
3. TYPE I CATCH BASIN IS USED FOR DEPTHS LESS THAN 5'-0" FROM TOP OF GRATE TO I.E.(PIPE INVERT).
4. PRECAST BASE SECTION SHALL BE FURNISHED WITH CUTOUTS OR KNOCKOUTS. KNOCKOUTS SHALL HAVE A WALL THICKNESS OF 2" MIN. KNOCKOUTS SHALL BE ON 4 SIDES WITH A MAXIMUM DIAMETER OF 20" TO PROVIDE FOR A MINIMUM SUMP DEPTH OF 18".
5. REINFORCING BARS SHALL BE CUT OR BENT AS REQUIRED TO CLEAR CUTOUTS.
6. THE TAPER ON THE SIDES OF THE PRECAST BASE SECTION SHALL NOT EXCEED 1/2" PER FOOT.
7. CATCH BASIN SHALL BE CONSTRUCTED IN ACCORDANCE WITH ASTM C 478 (AASHTO M 199) AND ASTM C 890 UNLESS OTHERWISE NOTED.
8. THE APRON SHALL BE 8" IN DEPTH.
9. CATCH BASIN MARKER WILL BE AFFIXED WITH MANUFACTURER'S EPOXY IN DRY WEATHER, 40 DEGREES OR WARMER. IF CURB EXISTS MARKER IS PLACED ON TOP OF CURB, IF A RAISED EDGE PLACE MARKER ON THE WEDGE, IF NO CURB PLACE ON PAVEMENT ON SIDE LEAST EXPOSED TO TRAFFIC

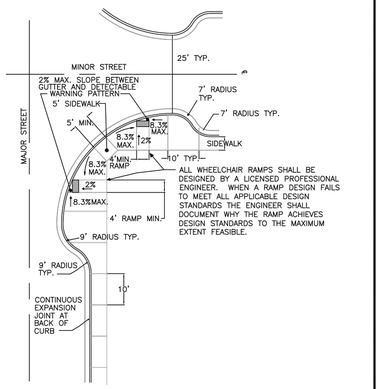
CITY OF PUYALLUP	CATCH BASIN TYPE 1 (GUTTER DRAIN)				
DEVELOPMENT ENGINEERING and PUBLIC WORKS DEPARTMENTS	DRAWN BY: JIM ERWIN-SVOBODA	CHECKED BY: COLLEEN HARRIS	APPROVED BY: LINDA LIAN	REVISED BY: XXXX	CITY STANDARD 02.01.03
	FILE NAME: F:\1900\COMMON\STDDETCITY\2009\02_SGND.03.03	DATE APPROVED: 04/01/2002	DATE REVISED: 04/01/2003	SCALE: NTS	



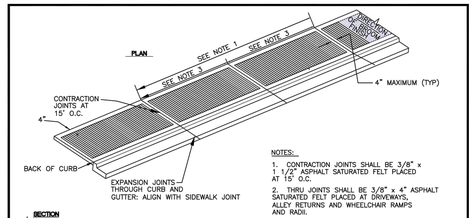
NOTES:

1. CONTRACTION JOINTS SHALL BE 3/8" x 2 1/4" ASPHALT SATURATED FELT PLACED IN ALL EXPOSED SURFACES OF CURB AND GUTTER AND SPACED AT 15' MAX. 10' MIN. O.C.
2. THRU JOINTS SHALL BE 3/8" ASPHALT SATURATED FELT PLACED AT POINTS OF TANGENCY ON CURVES, AT CATCH BASINS, AND AT EDGES OF ALLEY AND DRIVEWAYS. THE MAXIMUM DISTANCE BETWEEN THRU JOINTS SHALL BE 100'.
3. CONCRETE SHALL BE CLASS 3000 COMMERCIAL CONCRETE, 5.5 SACK MINIMUM, AASHTO GRADING 467 COARSE AGGREGATE, NO FLY ASH.
4. FORMS SHALL BE STEEL UNLESS PRIOR APPROVAL IS GIVEN BY THE CITY ENGINEER. FORMS SHALL BE SET TRUE TO LINE AND GRADE AND SECURELY STAKED PRIOR TO CONCRETE PLACEMENT. FULL DEPTH DIVISION PLATES ARE ONLY TO BE USED WHERE THRU JOINTS ARE TO BE PLACED.
5. THE 1" RADIUS ON THE UPPER FACE OF THE CURB MAY BE FORMED BY AN EDGER TOOL OR BUILT INTO THE FACE FORM. THE 1" RADIUS AT THE BOTTOM FACE OF THE CURB SHALL BE FORMED BY THE FACE FORM.

CITY OF PUYALLUP	CURB AND GUTTER				
DEVELOPMENT ENGINEERING and PUBLIC WORKS DEPARTMENTS	DRAWN BY: JIM ERWIN-SVOBODA	CHECKED BY: LINDA LIAN	APPROVED BY: COLLEEN HARRIS	REVISED BY: Linda Lian	CITY STANDARD 01.02.09
	FILE NAME: F:\1900\COMMON\STDDETCITY\2009\01_ST0101.ED01.03.09	DATE APPROVED: 07/01/2009	DATE REVISED: 05/25/12	SCALE: NTS	



CITY OF PUYALLUP	TRAFFIC BULB WITH CURB RAMP TYPE B				
DEVELOPMENT ENGINEERING and PUBLIC WORKS DEPARTMENTS	DRAWN BY: JIM ERWIN-SVOBODA	CHECKED BY: LINDA LIAN	APPROVED BY: COLLEEN HARRIS	REVISED BY: LINDA LIAN	CITY STANDARD 01.03.04
	FILE NAME: F:\1900\COMMON\STDDETCITY\2009\01_ST0101.ED01.03.04	DATE APPROVED: 07/01/2009	DATE REVISED: 04/21/11	SCALE: 1"=20'	



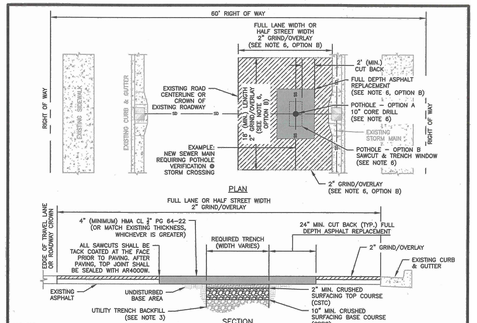
MINIMUM SIDEWALK WIDTHS

5'(RS ZONES) SINGLE FAMILY RESIDENTIAL AREAS (DETACHED DWELLINGS)
8'(RS ZONES) COMMERCIAL USES, WHEN REQUIRED BY DEVELOPMENT SERVICES MANAGER
8'(RM ZONES) MEDIUM AND HIGH DENSITY MULTI-FAMILY RESIDENTIAL AREAS
8'(ML ZONES) INDUSTRIAL AREAS
8'(CG, CBD ZONES) COMMERCIAL AREAS
8'(PF ZONES) PUBLIC FACILITIES AREAS
8'(F ZONES) FAIR AREAS
* MATCH GREATEST WIDTH FOR ANY ADJACENT ZONE

NOTES:

1. CONTRACTION JOINTS SHALL BE 3/8" x 1: 1/2" ASPHALT SATURATED FELT PLACED AT 15' O.C.
2. THRU JOINTS SHALL BE 3/8" x 4" ASPHALT SATURATED FELT PLACED AT DRIVEWAYS, ALLEY RETURNS AND WHEELCHAIR RAMPS AND RADII.
3. V-GROOVEMARKS SHALL BE 1/8" DEEP AND 1/4" WIDE PLACED AT 5' O.C. FOR 5' SIDEWALKS AND 7.5' O.C. FOR 8' SIDEWALKS.
4. ALL JOINTS SHALL BE CLEAN AND EDGED TO A 1/4" RADIUS. JOINTS SHALL BE FLUSH WITH THE FINISHED SURFACE.
5. ALL UTILITY POLES AND STREET SIGN POSTS IN SIDEWALK AREA NOT REQUIRED TO BE RELOCATED SHALL HAVE A SQUARE SECTION OF CONCRETE SURROUNDED BY 3/8" EXPANSION JOINT MATERIAL AROUND THE POLE. THE JOINT SHALL BE NO CLOSER THAN 6" TO ANY SIDE OF THE POLE.
6. FORMS SHALL BE EITHER WOOD OR STEEL AND SHALL MEET ALL REQUIREMENTS OF THESE SPECIFICATIONS.
7. CONCRETE SHALL BE CLASS 3000 COMMERCIAL CONCRETE, 5.5 SACK MINIMUM, AASHTO GRADING 467 COARSE AGGREGATE, NO FLY ASH.
8. SIDEWALK MINIMUM UNOBSTRUCTED CLEAR WIDTH SHALL BE 4', EXCLUSIVE OF THE WIDTH OF THE CURB.
9. GRATINGS, ACCESS COVERS, JUNCTION BOXES, CABLE VAULTS, PULL BOXES AND OTHER APPURTENANCES WITHIN THE SIDEWALK (RIGHT-OF-WAY) MUST HAVE SLIP RESISTANT SURFACE AND MATCH THE GRADE OF THE SIDEWALK.
10. CURB RAMPS SHALL BE CONSTRUCTED AT INTERSECTIONS USING A DESIGN PREPARED BY A LICENSED PROFESSIONAL ENGINEER. WHEN A RAMP DESIGN FAILS TO MEET ALL APPLICABLE DESIGN STANDARDS, THE ENGINEER SHALL DOCUMENT WHY THE PROPOSED RAMP ACHIEVES DESIGN STANDARDS TO THE MAXIMUM EXTENT FEASIBLE.

CITY OF PUYALLUP	SIDEWALK WITHOUT PLANTING STRIP				
DEVELOPMENT ENGINEERING and PUBLIC WORKS DEPARTMENTS	DRAWN BY: JIM ERWIN-SVOBODA	CHECKED BY: COLLEEN HARRIS	APPROVED BY: LINDA LIAN	REVISED BY: LINDA LIAN	CITY STANDARD 01.02.01
	FILE NAME: F:\1900\COMMON\STDDETCITY\2009\01_ST0101.ED01.03.01	DATE APPROVED: 07/01/2009	DATE REVISED: 04/21/11	SCALE: 1:8	



NOTES:

1. BASE AND SUBBASE MATERIAL SHALL BE COMPACTED TO 95% OF THE MODIFIED PROCTOR MAXIMUM DRY DENSITY.
2. ALL DEPTHS INDICATED ARE A MINIMUM COMPACTED DEPTH.
3. INITIAL BACKFILLING SHALL BE PERFORMED ONLY AFTER INSPECTION AND APPROVAL OF THE INSTALLED PIPE OR STRUCTURE. THE TRENCH BACKFILL MATERIAL SHALL BE IN ACCORDANCE WITH CITY STANDARD DETAIL NO. 08.01.01.
4. ALL BACKFILL FOR PIPE TRENCHES SHALL BE MECHANICALLY COMPACTED BY A POWER-OPERATED MECHANICAL TAMPER(S) AS SPECIFIED IN WSDOT STANDARD SPEC. 2-03.3 (14)C, COMPACTING EARTH EMBANKMENTS, METHOD C OF THE WSDOT STANDARD SPECIFICATIONS.
5. IF PAVING SURFACES ADJACENT TO THE TRENCH OPENING MAY BE DAMAGED WHERE TRENCHES ARE MADE PARALLEL TO THE STREET, OR WHERE A NUMBER OF CROSS TRENCHES ARE LAID IN CLOSE PROXIMITY TO ONE ANOTHER OR WHERE THE EQUIPMENT USED MAY CAUSE SUCH DAMAGE, THE CITY ENGINEER MAY REQUIRE A NEGOTIATED CONTRIBUTION FROM THE PERMITTEE FOR RESURFACING IN LIEU OF PATCHING.

   IF THE TOTAL AREA OF THE PROPOSED PATCH OR PROBABLE DAMAGED AREA EXCEEDS 25 PERCENT OF THE TOTAL PAVEMENT SURFACING BETWEEN CURB FACES OR BETWEEN CONCRETE GUTTER EDGES IN ANY BLOCK, SUCH NEGOTIATIONS SHALL BE CARRIED ON AND CONTRIBUTIONS AGREED UPON PRIOR TO ISSUANCE OF A PERMIT. SUCH CONTRIBUTIONS SHALL BE IN ADDITION TO THE STANDARD PERMIT FEE.
6. POTHOLING FOR UTILITIES:

   OPTION A — UP TO A 10" DIAMETER CORE DRILL IS ALLOWED. CORE HOLES MADE DURING UTILITY POTHOLES SHALL BE BACKFILLED WITH CDF TO WITHIN 4" OF FINISHED GRADE. 4" OF HMA SHALL THEN BE PLACED AND COMPACTED, FLUSH WITH EXISTING GRADE.

   OPTION B — FOR POTHOLE WINDOWS LARGER THAN 10" IN DIAMETER OR TRENCHING COMPLETED IN EXISTING ROADWAY, THE CONTRACTOR SHALL MEET CITY STANDARD 06.01.01 FOR PIPE BEDDING AND BACKFILL REQUIREMENTS. PAVEMENT RESTORATION SHALL BE ACCOMPLISHED BY INSTALLING THE TRENCH PATCH, AS SHOWN HEREIN, AND THEN GRINDING/OVERLAYING TO A MINIMUM DEPTH OF 2". THE LIMITS OF THE REQUIRED GRIND/OVERLAY SHALL BE TO THE NEAREST LANE LINE, OR HALF STREET, AND SHALL BE A MINIMUM OF 18 FEET LONG (LONGITUDINALLY ALONG ROADWAY) CENTERED AT LOCATION OF PATCH. NOTE: IF EXISTING ASPHALT THICKNESS IS LESS THAN 3", FULL DEPTH PAVEMENT REPLACEMENT, IN LIEU OF GRIND/OVERLAY, TO MEET A MINIMUM ASPHALT THICKNESS OF 4" WILL BE REQUIRED.

   WHERE LOCATION OF TRENCH OR POTHOLE WINDOW INTERSECTS ROAD CENTERLINE, A MINIMUM GRIND AND OVERLAY OF ONE FULL LANE WIDTH (12') IS REQUIRED CENTERED ON ROADWAY. NO LONGITUDINAL JOINTS WILL BE ALLOWED IN THE WHEEL PATH.
7. ALL MANHOLE FRAMES, VALVE FRAMES AND MONUMENT COVERS SHALL BE INSTALLED AFTER PLACEMENT OF ASPHALT. IF MORE THAN ONE LIFT IS NECESSARY, FRAMES AND LIDS WILL BE ADJUSTED TO FINISH GRADE AT FIRST LIFT AS DIRECTED BY THE CITY.

CITY OF PUYALLUP OFFICE of THE CITY ENGINEER	APPROVED FOR PUBLICATION: [signature] DATE/MAYOR 2/15/18	STREET PATCH			
		DO/IT TO SCALE			CITY STANDARD 01.01.20
		FILE NAME: F:\1900\COMMON\STDDETCITY\2009\01_ST0101.ED01.03.01			

05/04/23 | 2:48 PM | JONC
Z:\1900001-190099991900096 ST PUYALLUP DB GARAGE\CADD\DESIGN\S317-F1592-CDD011.DWG

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
	04/17/2023	SGR	ERM	JGM	FINAL AS-BUILT

DESIGNED BY: S. GUJULUVA RAJAN
DRAWN BY: M. VU
CHECKED BY: E. MENDEL
APPROVED BY: J. MATTHEWS

kpff — SUBMITTED BY: SARA ROBERTS — DATE: 04/17/2023

HENSEL PHELPS Plan. Build. Manage. kpff — REVIEWED BY: GREG SHIMIZU — DATE: 04/17/2023

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT — SUBMITTAL DATE: 04/17/2023

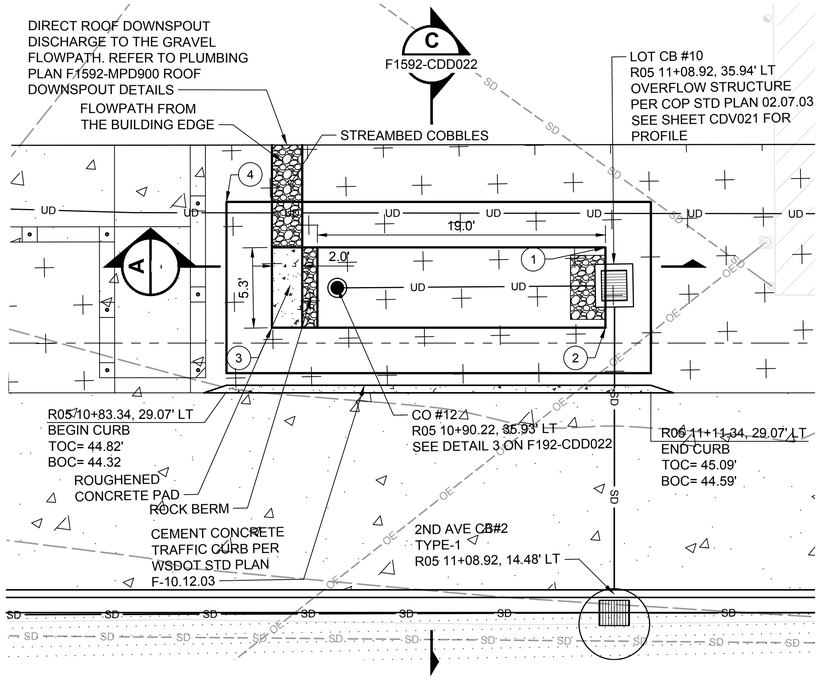
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FILENAME: S317-F1592-CDD011
CONTRACT No.: RTA/CN 0612-18

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
CIVIL
DRAINAGE DETAILS

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FACILITY ID: F1592
SHEET No.: 105
REV: 0

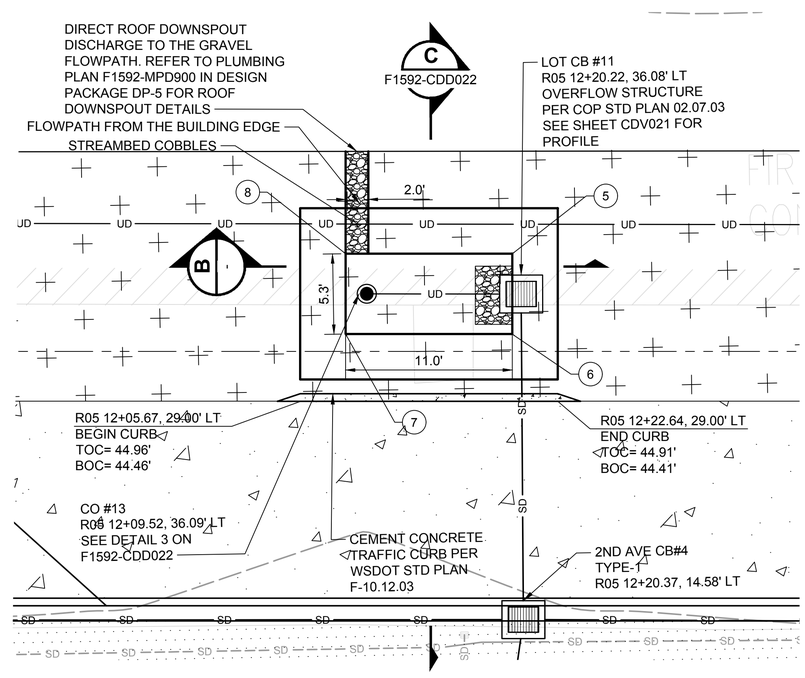
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Xrefs:
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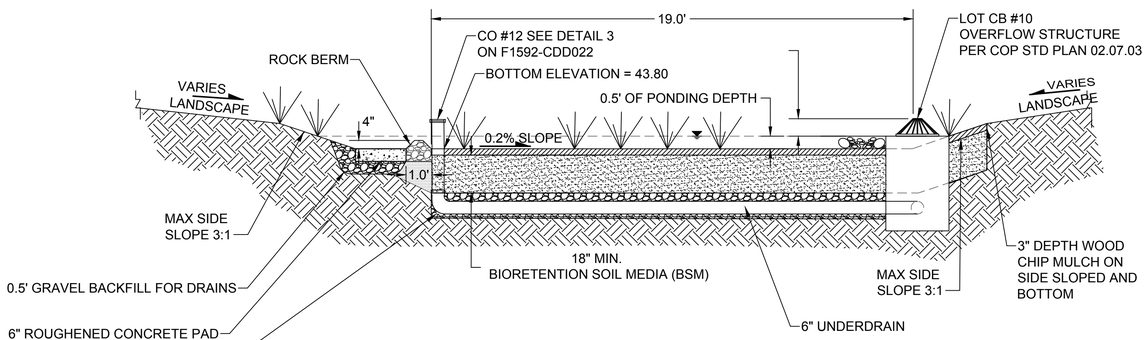


SCALE: NTS — 1 F1592-CGP203

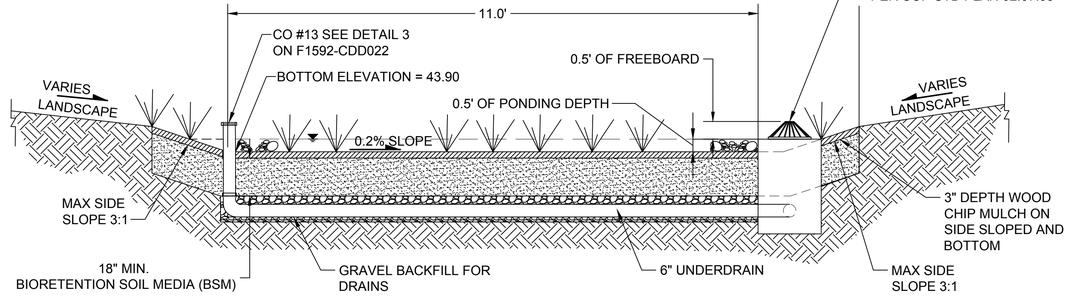
WEST BIORETENTION UNIT	
UPSTREAM BOTTOM ELEVATION = 43.80'	
NO.	**STATION/OFFSET**
1	LOT 26+69.50, 219.93' RT
2	LOT 26+70.87, 225.05' RT
3	LOT 26+49.62, 230.74' RT
4	LOT 26+44.57, 223.50' RT
EAST BIORETENTION UNIT	
UPSTREAM BOTTOM ELEVATION = 43.90'	
5	LOT 27+76.98, 191.02' RT
6	LOT 27+78.35, 196.14' RT
7	LOT 27+67.72, 198.98' RT
8	LOT 27+66.35, 193.86' RT



EAST BIORETENTION UNIT (ENLARGED PLAN) — 2 F1592-CGP203
SCALE: NTS



SECTION A — SCALE: NTS



SECTION B — SCALE: NTS

NOTES:

1. AVOID COMPACTION OF EXISTING SUBGRADE BELOW FACILITY
2. SCARIFY SUBGRADE 3-INCHES MINIMUM BEFORE BIO-RETENTION SOIL MEDIA INSTALLATION.
3. ROUGHENED CONCRETE PAD MUST BE CONSTRUCTED WITH COMMERCIAL CONCRETE. EMBED WELL TO MIXED 6"-8" STREAMBED AGGREGATE TO CREATE ROUGHNESS. 50% MIN OF THE SURFACE MUST HAVE PROTRUDING AGGREGATE.
4. CONSTRUCT ROCK BERM WITH STREAMBED COBBLES, 6" ROCK MINIMUM.

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	04/17/2023	SGR	JGM	JGM	FINAL AS-BUILT

DESIGNED BY: S. GUJULUVA RAJAN
DRAWN BY: J. CURTIS
CHECKED BY: J. MATTHEWS
APPROVED BY: J. MATTHEWS

kpff

HENSEL PHELPS Plan. Build. Manage. kpff

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT

SUBMITTED BY: SARA ROBERTS — DATE: 04/17/2023
REVIEWED BY: GREG SHIMIZU — DATE: 04/17/2023

SCALE: NTS
FILENAME: S317-F1592-CDD021
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 04/17/2023

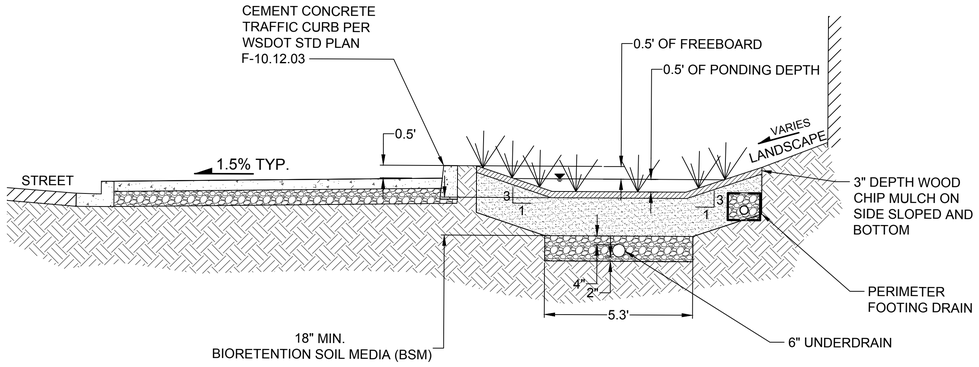
PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
CIVIL
DRAINAGE DETAILS

DRAWING No.: F1592-CDD021
FACILITY ID: F1592
SHEET No.: 106 REV: 0

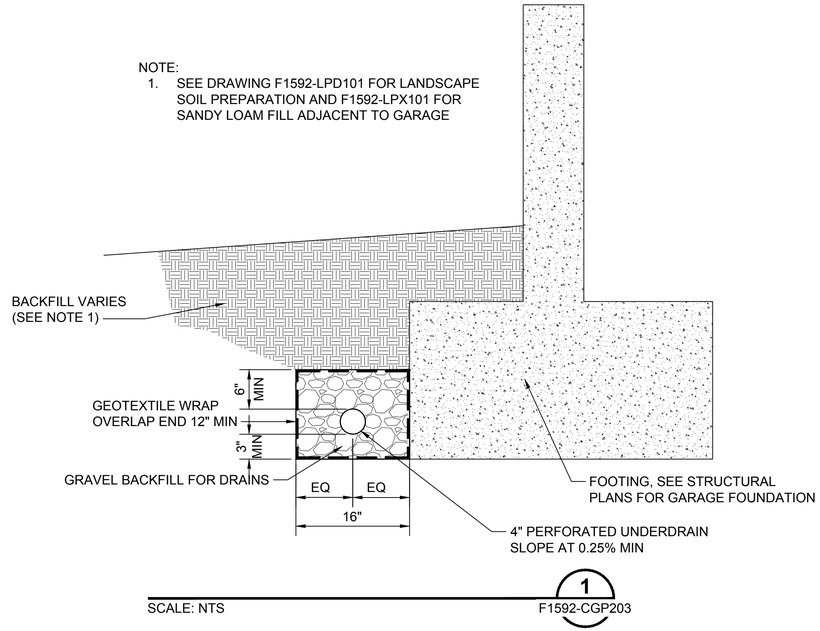
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WEST BIORETENTION UNIT (ENLARGED PLAN)

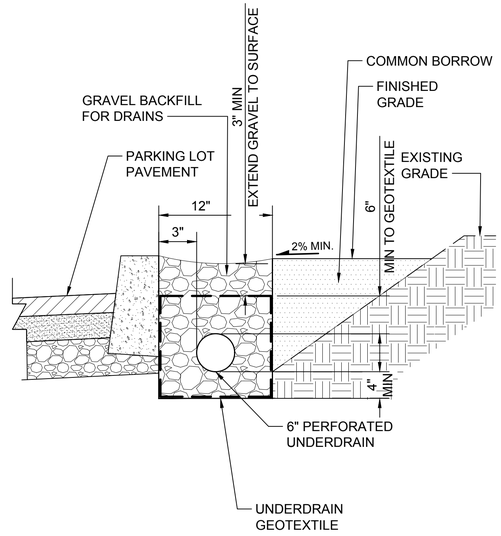
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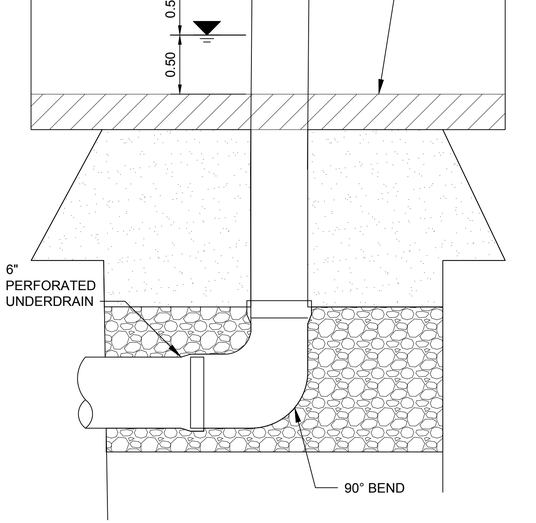
SECTION
SCALE: NTS — C — F1592-CDD021



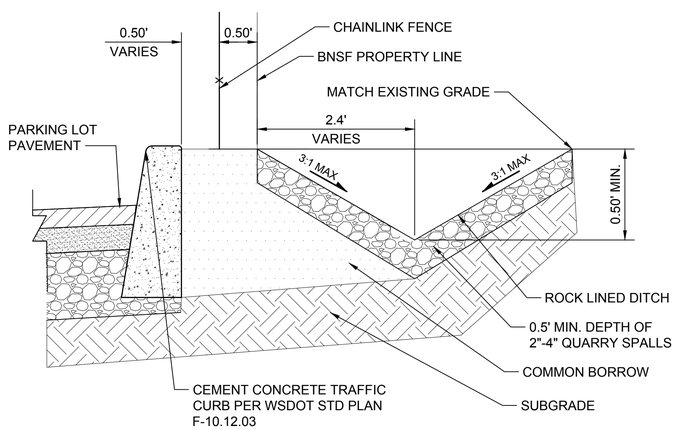
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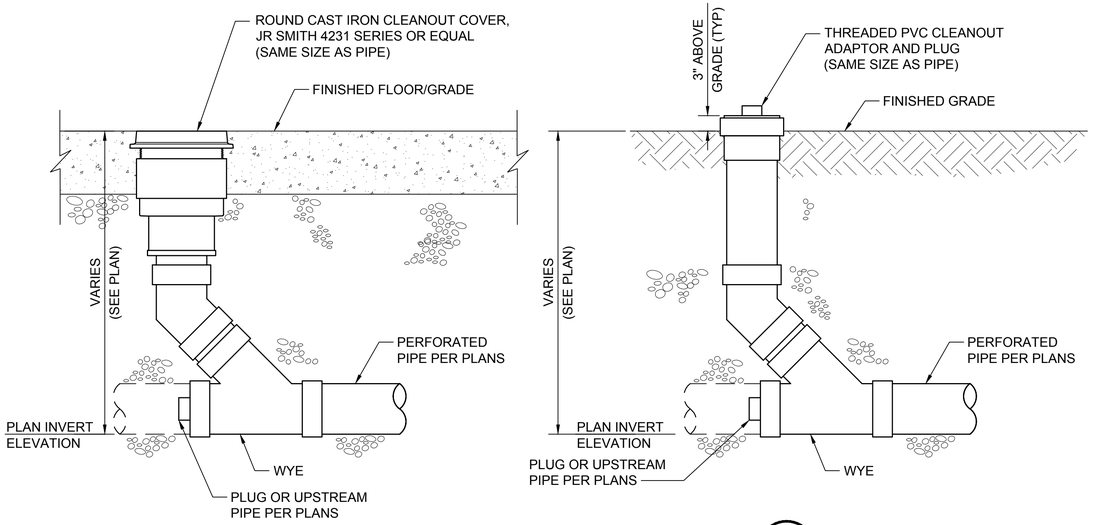
FRENCH DRAIN
SCALE: NTS — 2 — F1592-CGP203



BIORETENTION CLEANOUT
SCALE: NTS — 3 — F1592-CDD021



DITCH DETAIL
SCALE: NTS — 4 — F1592-CGP203



CLEANOUT DETAIL
SCALE: NTS — 5 — F1592-CRP203

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	04/17/2023	SGR	JGM	JGM	FINAL AS-BUILT

DESIGNED BY: S. GUJULUVA RAJAN
DRAWN BY: M. VU
CHECKED BY: J. MATTHEWS
APPROVED BY: J. MATTHEWS

kpff

HENSEL PHELPS
Plan. Build. Manage.
kpff

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT

SUBMITTED BY: SARA ROBERTS
DATE: 04/17/2023
REVIEWED BY: GREG SHIMIZU
DATE: 04/17/2023

SCALE: NTS
FILENAME: S317-F1592-CDD022
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 04/17/2023

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS

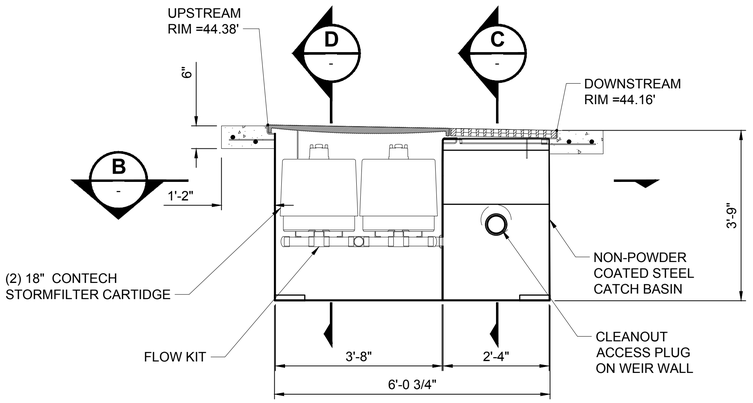
CIVIL
DRAINAGE DETAILS

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SHEET No.: 107
REV: 0

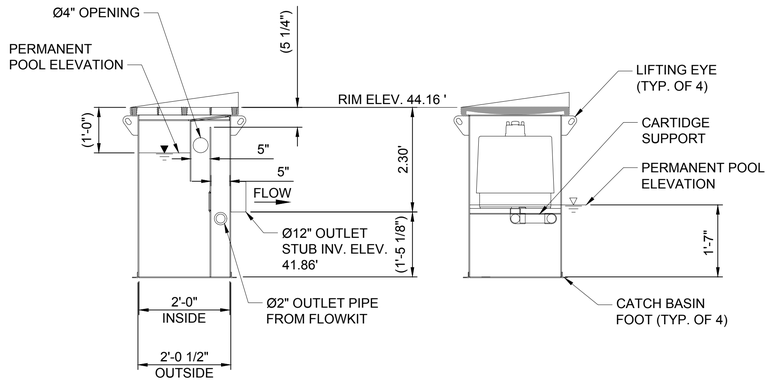
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PERIMETER FOOTING DRAIN

Xrefs:
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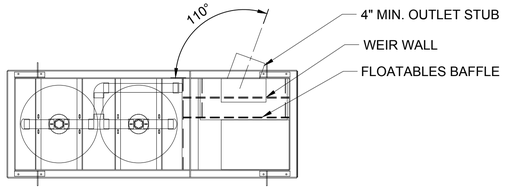


SECTION A — SCALE: NTS

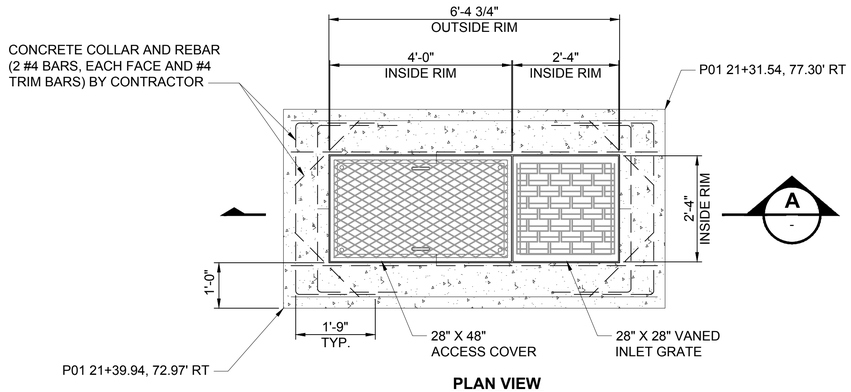


SECTION C — SCALE: NTS

SECTION D — SCALE: NTS



SECTION B — SCALE: NTS



PLAN VIEW

(CONTECH STORMFILTER - STEEL CATCH BASIN)

WATER QUALITY STRUCTURE (WQ-1) — SCALE: NTS — 1 — F1592-CGP202

MATERIAL LIST PROVIDED BY CONTECH

COUNT	DESCRIPTION	INSTALLED BY
2	18" 7.5 GPM, ZPG CARTRIDGE (BLU)	CONTECH
1	FLOW KIT	CONTECH
1	NON-POWDER COATED STEEL CATCH BASIN	CONTECH
1	28" X 28" VANED INLET COVER	CONTRACTOR
1	28" X 48" ACCESS COVER	CONTRACTOR

SITE DATA

WATER QUALITY FLOW RATE	0.02 CFS
PEAK FLOW RATE	-
RETURN PERIOD OF PEAK FLOW	-
FILTER MEDIA TYPE	ZPG
CARTRIDGE FLOWRATE	7.5GPM

1. CONTECH TO PROVIDE ALL MATERIALS UNLESS NOTED OTHERWISE.
2. FOR FABRICATION DRAWINGS WITH DETAILED STRUCTURE DIMENSIONS AND WEIGHTS, PLEASE CONTACT YOUR CONTECH ENGINEERED SOLUTIONS REPRESENTATIVE. WWW.CONTECHES.COM
3. STORMFILTER WATER QUALITY STRUCTURE SHALL BE IN ACCORDANCE WITH ALL DESIGN DATA AND INFORMATION CONTAINED IN THIS DRAWING. CONTRACTOR TO CONFIRM STRUCTURE MEETS REQUIREMENTS OF PROJECT.
4. STRUCTURE SHALL MEET AASHTO HS20 LOAD RATING, ASSUMING EARTH COVER OF 0' - 5' AND GROUNDWATER ELEVATION AT, OR BELOW, THE OUTLET PIPE INVERT ELEVATION. ENGINEER OF RECORD TO CONFIRM ACTUAL GROUNDWATER ELEVATION. CASTINGS SHALL MEET AASHTO M306 AND BE CAST WITH THE CONTECH LOGO.
5. STEEL STRUCTURE TO BE MANUFACTURED OF 1/4 INCH STEEL PLATE. CASTINGS SHALL MEET AASHTO HS20 LOAD RATING. FOR HS20 LOAD RATING ON STRUCTURE, CONCRETE COLLAR IS REQUIRED AND TO BE PROVIDED BY CONTRACTOR.
6. MANUFACTURER TO APPLY A SURFACE BEAD WELD IN THE SHAPE OF THE LETTER "O" ABOVE THE OUTLET PIPE STUB ON THE EXTERIOR SURFACE OF THE STEEL SFCB.
7. CONTRACTOR TO TAKE APPROPRIATE MEASURES TO PROTECT CARTRIDGES FROM CONSTRUCTION-RELATED EROSION RUNOFF.

NOTES:

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	04/17/2023	SGR	ERM	JGM	FINAL AS-BUILT

DESIGNED BY: S. GUJULUVA RAJAN
DRAWN BY: M. VU
CHECKED BY: E. MENDEL
APPROVED BY: J. MATTHEWS

kpff — SUBMITTED BY: SARA ROBERTS — DATE: 04/17/2023

HENSEL PHELPS Plan. Build. Manage. kpff — REVIEWED BY: GREG SHIMIZU — DATE: 04/17/2023

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT — SUBMITTAL DATE: 04/17/2023

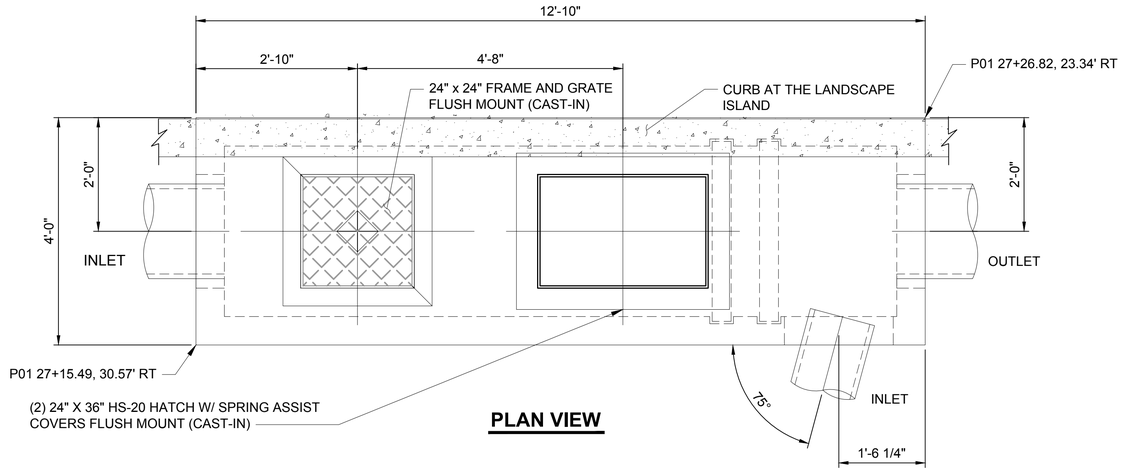
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CONTRACT No.: RTA/CN 0612-18

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
CIVIL
DRAINAGE DETAILS

DRAWING No.: F1592-CDD023
FACILITY ID: F1592
SHEET No.: 108
REV: 0

05/04/23 | 2:49 PM | JONC
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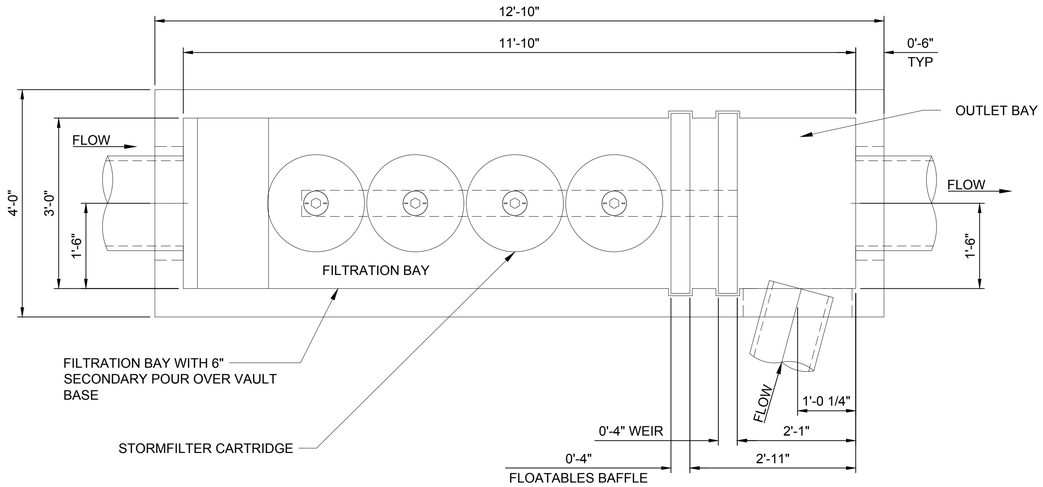
PLAN VIEW

(CONTECH STORMFILTER - LINEAR VAULT)

WATER QUALITY STRUCTURE (WQ-2)

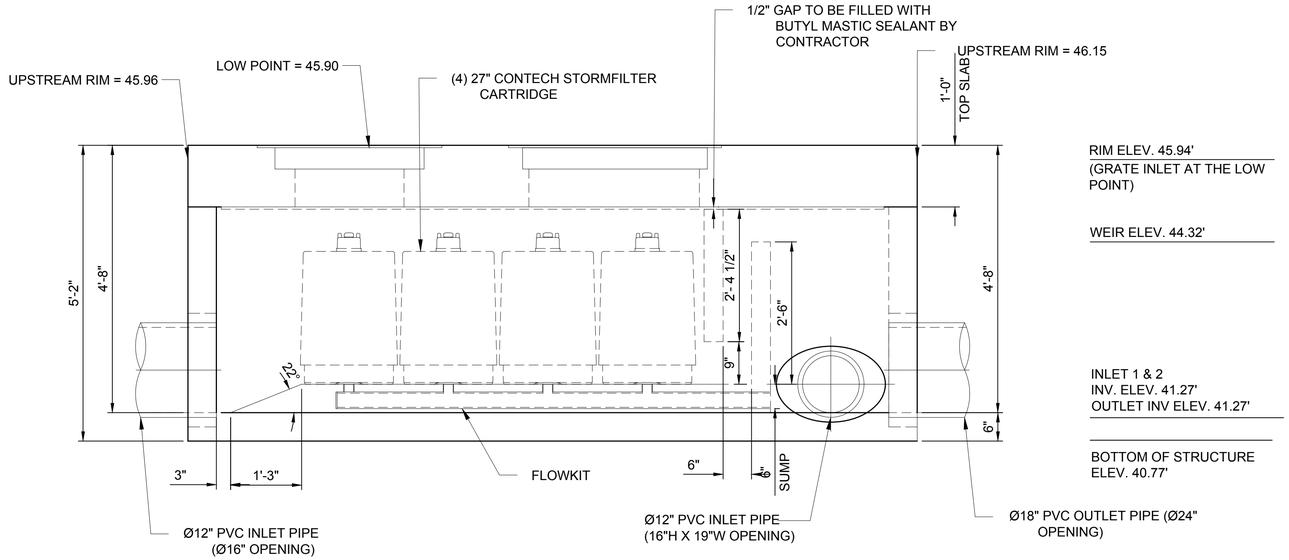
1 F1592-CGP203

SCALE: NTS



PLAN VIEW

(TOP SLAB NOT SHOWN)



ELEVATION VIEW

SITE DATA	
WATER QUALITY FLOW RATE	0.09 CFS
PEAK FLOW RATE	-
RETURN PERIOD OF PEAK FLOW	-
FILTER MEDIA TYPE	ZPG
CARTRIDGE FLOWRATE	11.3 GPM

MATERIAL LIST PROVIDED BY CONTECH

COUNT	DESCRIPTION	INSTALLED BY
4	27", 7.50 GPM, ZPG CARTRIDGE (BLU)	CONTECH
1	FLOW KIT (LN4)	CONTECH
1	JOINT SEALANT (BY PRECASTER)	CONTRACTOR
2	24"X36"X5" HS-20 HATHC, EJ #00821221B02 (CAST IN)	CONTECH

1. CONTECH TO PROVIDE ALL MATERIALS UNLESS NOTED OTHERWISE.
2. FOR FABRICATION DRAWINGS WITH DETAILED STRUCTURE DIMENSIONS AND WEIGHTS, PLEASE CONTACT YOUR CONTECH ENGINEERED SOLUTIONS LLC REPRESENTATIVE. WWW.CONTECHES.COM
3. STORMFILTER WATER QUALITY STRUCTURE SHALL BE IN ACCORDANCE WITH ALL DESIGN DATA AND INFORMATION CONTAINED IN THIS DRAWING. CONTRACTOR TO CONFIRM STRUCTURE MEETS REQUIREMENTS OF PROJECT.
4. STRUCTURE SHALL MEET AASHTO HS-20 LOAD RATING, ASSUMING GROUNDWATER ELEVATION AT, OR BELOW, THE OUTLET PIPE INVERT ELEVATION. ENGINEER OF RECORD TO CONFIRM ACTUAL GROUNDWATER ELEVATION. CASTINGS SHALL MEET AASHTO M306 AND BE CAST WITH THE CONTECH LOGO
5. STORMFILTER STRUCTURE SHALL BE PRECAST CONCRETE CONFORMING WITH ASTM C-857, ASTM C-918 AND ACI-318 LOAD FACTOR DESIGN METHOD.
6. CONTRACTOR TO TAKE APPROPRIATE MEASURES TO PROTECT CARTRIDGES FROM CONSTRUCTION-RELATED EROSION RUNOFF.

NOTES:

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	04/17/2023	SGR	JGM	JGM	FINAL AS-BUILT

DESIGNED BY: S. GUJULUVA RAJAN
DRAWN BY: M. VU
CHECKED BY: J. MATTHEWS
APPROVED BY: J. MATTHEWS

kpff — SUBMITTED BY: SARA ROBERTS — DATE: 04/17/2023

HENSEL PHELPS Plan. Build. Manage. kpff — REVIEWED BY: GREG SHIMIZU — DATE: 04/17/2023

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT — SUBMITTAL DATE: 04/17/2023

SCALE: NTS
FILENAME: S317-F1592-CDD024
CONTRACT No.: RTA/CN 0612-18

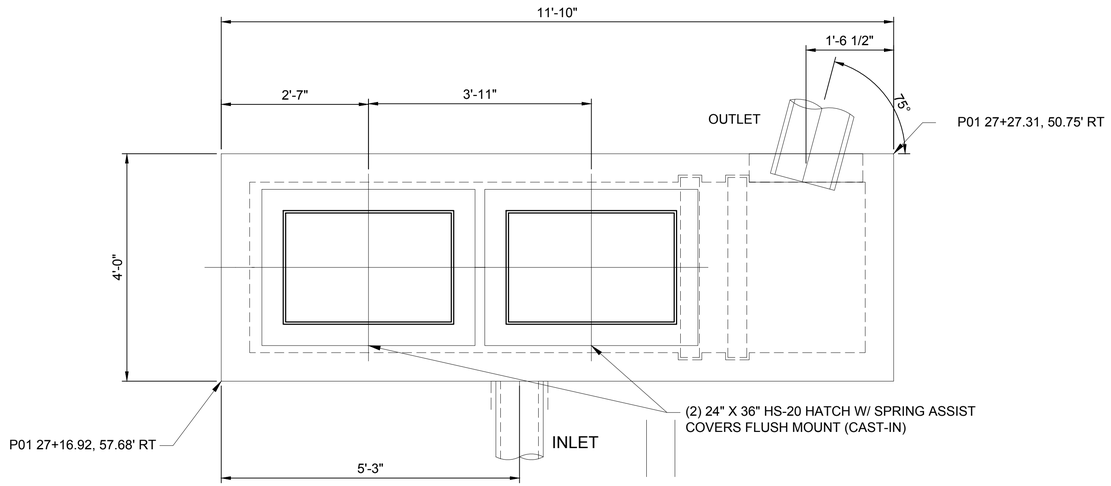
PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS

CIVIL
DRAINAGE DETAILS

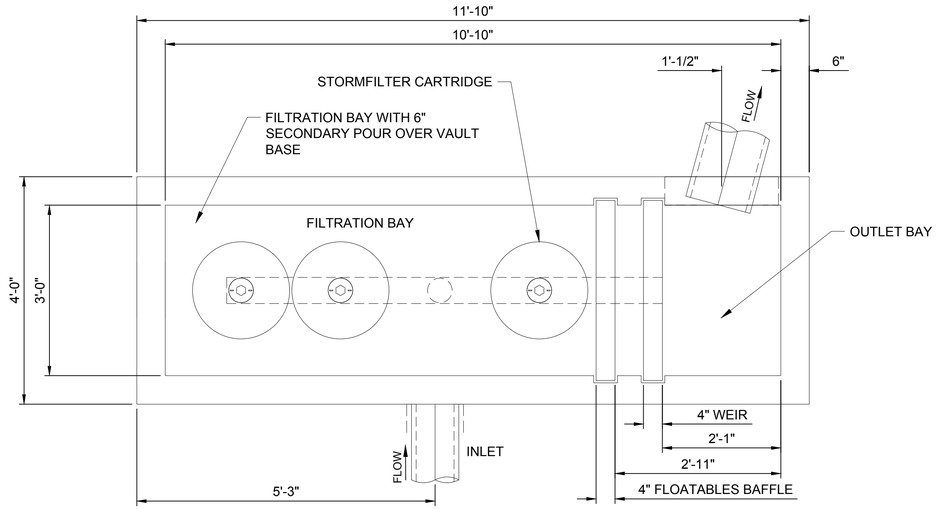
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FACILITY ID: F1592
SHEET No.: 109
REV: 0

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Xrefs:
xGB-TB22x34



PLAN VIEW

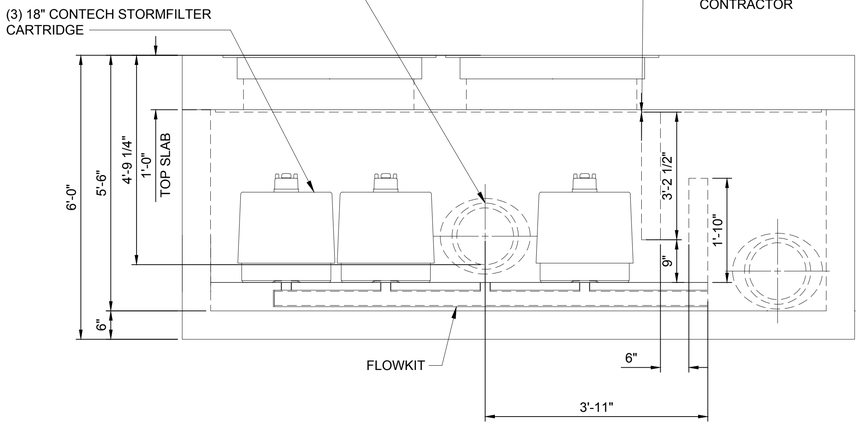


PLAN VIEW
(TOP SLAB NOT SHOWN)

(CONTECH STORMFILTER - LINEAR VAULT)

WATER QUALITY STRUCTURE (WQ-3) 1

SCALE: NTS F1592-CGP203



RIM ELEV. 46.84'

WEIR ELEV. 43.67'

INLET INV. ELEV. 42.07'

OUTLET INV. ELEV. 41.34'

BOTTOM OF STRUCTURE
ELEV. 40.84'

ELEVATION VIEW

MATERIAL LIST PROVIDED BY CONTECH		
COUNT	DESCRIPTION	INSTALLED BY
3	18", 7.50 GPM, ZPG CARTRIDGE (BLU)	CONTECH
1	2"Ø PVC SLIP PLUG	CONTECH
1	FLOW KIT (LN4)	CONTECH
1	JOINT SEALANT (BY PRECASTER)	CONTRACTOR
2	24"X36"X5" HS-20 HATHC, EJ #00821221B02 (CAST IN)	CONTECH

SITE DATA	
WATER QUALITY FLOW RATE	0.04 CFS
PEAK FLOW RATE	-
RETURN PERIOD OF PEAK FLOW	-
FILTER MEDIA TYPE	ZPG
CARTRIDGE FLOWRATE	7.5 GPM

NOTES:

1. CONTECH TO PROVIDE ALL MATERIALS UNLESS NOTED OTHERWISE.
2. FOR FABRICATION DRAWINGS WITH DETAILED STRUCTURE DIMENSIONS AND WEIGHTS, PLEASE CONTACT YOUR CONTECH ENGINEERED SOLUTIONS LLC REPRESENTATIVE. www.ContechES.com
3. STORMFILTER WATER QUALITY STRUCTURE SHALL BE IN ACCORDANCE WITH ALL DESIGN DATA AND INFORMATION CONTAINED IN THIS DRAWING. CONTRACTOR TO CONFIRM STRUCTURE MEETS REQUIREMENTS OF PROJECT.
4. STRUCTURE SHALL MEET AASHTO HS-20 LOAD RATING, ASSUMING GROUNDWATER ELEVATION AT, OR BELOW, THE OUTLET PIPE INVERT ELEVATION. ENGINEER OF RECORD TO CONFIRM ACTUAL GROUNDWATER ELEVATION. CASTINGS SHALL MEET AASHTO M306 AND BE CAST WITH THE CONTECH LOGO
5. STORMFILTER STRUCTURE SHALL BE PRECAST CONCRETE CONFORMING WITH ASTM C-857, ASTM C-918 AND ACI-318 LOAD FACTOR DESIGN METHOD.
6. CONTRACTOR TO TAKE APPROPRIATE MEASURES TO PROTECT CARTRIDGES FROM CONSTRUCTION-RELATED EROSION RUNOFF.

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	04/17/2023	SGR	JGM	JGM	FINAL AS-BUILT

DESIGNED BY: S. GUJULUVA RAJAN
DRAWN BY: M. VU
CHECKED BY: J. MATTHEWS
APPROVED BY: J. MATTHEWS

kpff

HENSEL PHELPS
Plan. Build. Manage.
kpff

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT

SCALE: NTS
FILENAME: S317-F1592-CDD025
CONTRACT No.: RTA/CN 0612-18

SUBMITTED BY: SARA ROBERTS
DATE: 04/17/2023
REVIEWED BY: GREG SHIMIZU
DATE: 04/17/2023
SUBMITTAL DATE: 04/17/2023

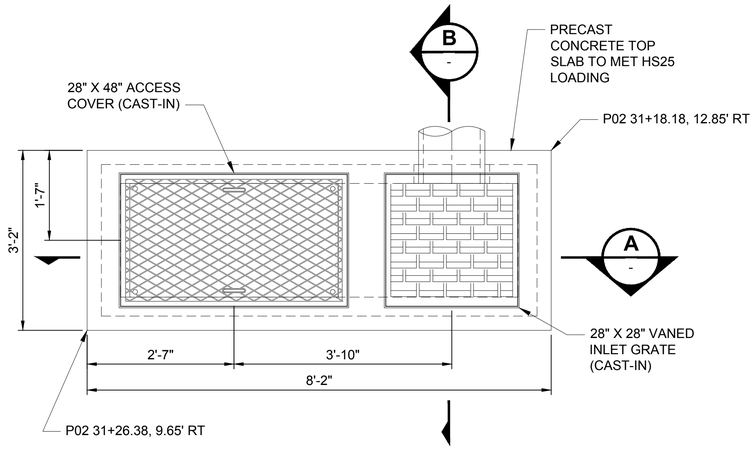
PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS

CIVIL
DRAINAGE DETAILS

DRAWING No.: F1592-CDD025
FACILITY ID: F1592
SHEET No.: 110
REV: 0

05/04/23 | 2:49 PM | JONC
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Xrefs:
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PLAN VIEW

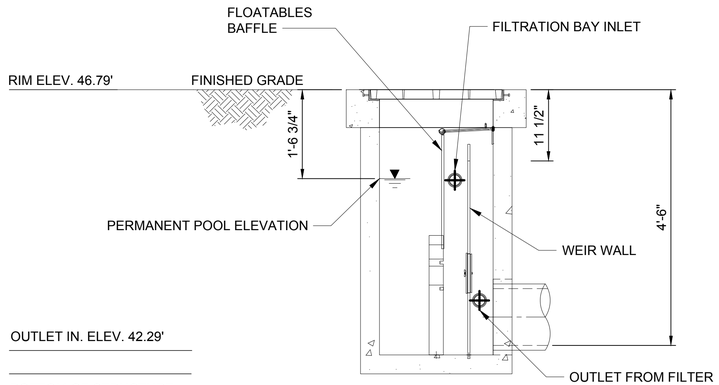
(CONTECH STORMFILTER - CONCRETE CATCH BASIN)

WATER QUALITY STRUCTURE (WQ-4)

1

SCALE: NTS

F1592-CGP203



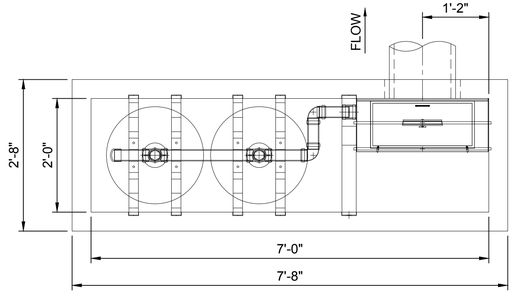
SECTION

B

-

SCALE: NTS

1. CONTECH TO PROVIDE ALL MATERIALS UNLESS NOTED OTHERWISE.
2. FOR FABRICATION DRAWINGS WITH DETAILED STRUCTURE DIMENSIONS AND WEIGHTS, PLEASE CONTACT YOUR CONTECH ENGINEERED SOLUTIONS LLC REPRESENTATIVE. www.ContechES.com
3. STORMFILTER WATER QUALITY STRUCTURE SHALL BE IN ACCORDANCE WITH ALL DESIGN DATA AND INFORMATION CONTAINED IN THIS DRAWING. CONTRACTOR TO CONFIRM STRUCTURE MEETS REQUIREMENTS OF PROJECT.
4. STRUCTURE SHALL MEET AASHTO HS25 LOAD RATING, ASSUMING EARTH COVER OF 0'-5' AND GROUNDWATER ELEVATION AT, OR BELOW, THE OUTLET PIPE INVERT ELEVATION. ENGINEER OF RECORD TO CONFIRM ACTUAL GROUNDWATER ELEVATION. CASTINGS SHALL MEET AASHTO M306 AND BE CAST WITH THE CONTECH LOGO.
5. STORMFILTER STRUCTURE SHALL BE PRECAST CONCRETE CONFORMING WITH ASTM C-857 AND AASHTO LOAD FACTOR DESIGN METHOD.
6. MATCH OUTLET PIPE INVERT WITH OUTLET BAY FLOOR.
7. CONTRACTOR TO TAKE APPROPRIATE MEASURES TO PROTECT CARTRIDGES FROM CONSTRUCTION-RELATED EROSION RUNOFF.

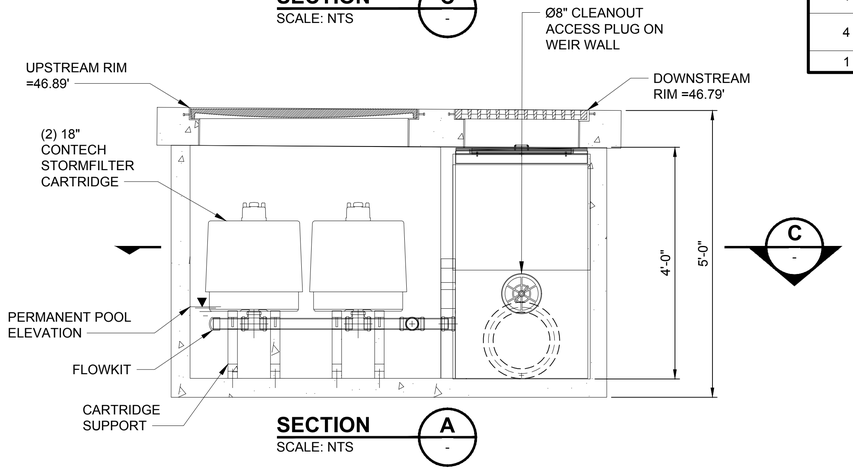


SECTION

C

-

SCALE: NTS



SECTION

A

-

SCALE: NTS

MATERIAL LIST PROVIDED BY CONTECH		
COUNT	DESCRIPTION	INSTALLED BY
2	18" 7.5 GPM, ZPG, CARTRIDGE	CONTECH
2	RESTRICTOR DISK (BLU), 7.5 GPM.	CONTECH
0	2" PVC SLIP PLUG	CONTECH
1	FLOWKIT	CONTECH
1	Ø8" CLEAN OUT ACCESS PLUG	CONTECH
1	FLOATABLES BAFFLE	CONTECH
1	WEIR WALL	CONTECH
1	27 3/4" X 27 3/4" FRAME AND VANED GRATE D&L I--1364	CONTRACTOR
1	28" X 28" FRAME AND COVER D&L L-1364	CONTRACTOR
4	25 1/4" X 2" X 11 1/4" CARTRIDGE SUPPORT (2 PER)	CONTECH
1	JOINT SEALANT	CONTRACTOR

SITE DATA	
WATER QUALITY FLOW RATE	0.02 CFS
PEAK FLOW RATE	-
RETURN PERIOD OF PEAK FLOW	-
FILTER MEDIA TYPE	ZPG
CARTRIDGE FLOWRATE	7.5GPM

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	04/17/2023	SGR	JGM	JGM	FINAL AS-BUILT

DESIGNED BY: S. GUJULUVA RAJAN
DRAWN BY: M. VU
CHECKED BY: J. MATTHEWS
APPROVED BY: J. MATTHEWS

kpff

SUBMITTED BY: SARA ROBERTS

HENSEL PHELPS Plan. Build. Manage.

kpff

DATE: 04/17/2023

REVIEWED BY: GREG SHIMIZU

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT

DATE: 04/17/2023

SCALE: NTS
FILENAME: S317-F1592-CDD026
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 04/17/2023

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS

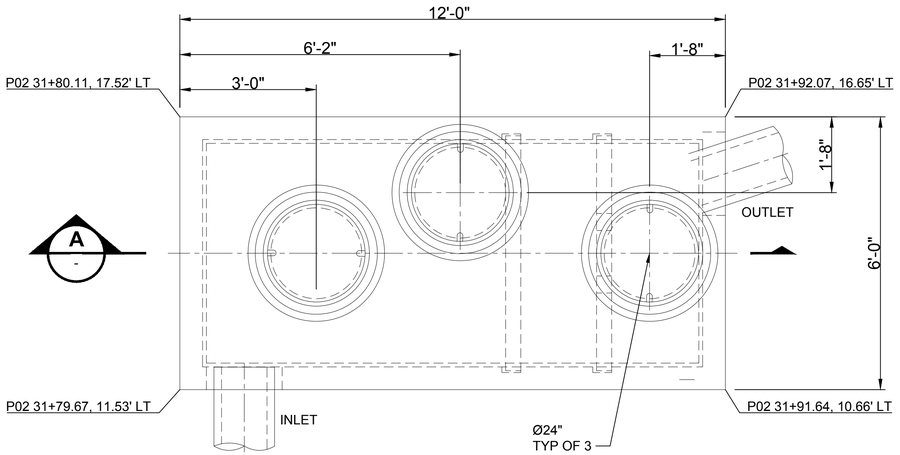
CIVIL
DRAINAGE DETAILS

DRAWING No.: F1592-CDD026
FACILITY ID: F1592
SHEET No.: 111
REV: 0

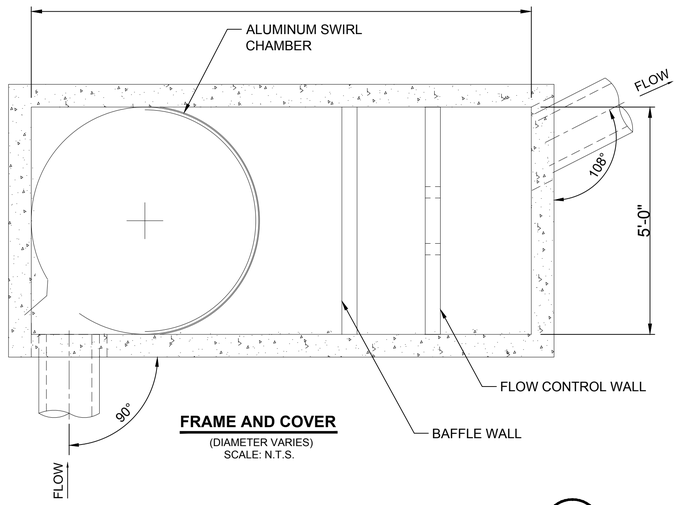
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NOTES:

Xrefs:
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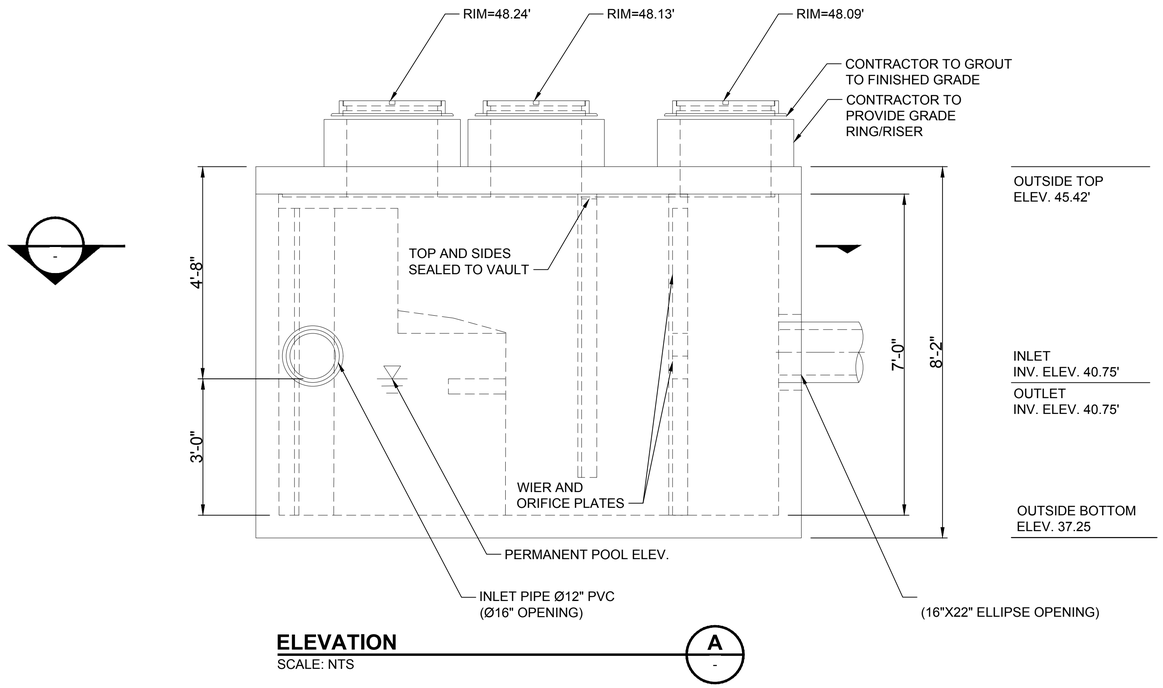


VORTECHS VAULT 1
SCALE: NTS F1592-CGP204



FRAME AND COVER
(DIAMETER VARIES)
SCALE: N.T.S.

SECTION B
SCALE: NTS -



ELEVATION A
SCALE: NTS -

NOTES:

1. CONTECH TO PROVIDE ALL MATERIALS UNLESS NOTED OTHERWISE.
2. FOR FABRICATION DRAWINGS WITH DETAILED STRUCTURE DIMENSIONS AND WEIGHTS, PLEASE CONTACT YOUR CONTECH ENGINEERED SOLUTIONS LLC REPRESENTATIVE. www.ContechES.com
3. VORTECHS WATER QUALITY VAULT SHALL BE IN ACCORDANCE WITH ALL DESIGN DATA AND INFORMATION CONTAINED IN THIS DRAWING. CONTRACTOR TO CONFIRM THAT STRUCTURE MEETS REQUIREMENTS OF PROJECT.
4. STRUCTURE SHALL MEET HS-20 LOAD RATING ASSUMING EARTH COVER OF 0'-5', AND GROUNDWATER ELEVATION AT OR BELOW 3'-0" ABOVE STRUCTURE INVERT. ENGINEER OF RECORD TO PROVIDE ACTUAL GROUNDWATER ELEVATION. CASTINGS SHALL MEET AASHTO M306 LOAD RATING AND BE CAST WITH THE CONTECH LOGO.
5. WATER SURFACE ELEVATION IN THE VORTECHS STRUCTURE IS EXPECTED TO BE AT OR BELOW TOP OF FLOW CONTROL WALL DURING THE DESIGN STORM.
6. CONTRACTOR TO PROVIDE, INSTALL, AND GROUT PIPES. INLET PIPE TO BE SET 90° TO STRUCTURE WALL. MATCH PIPE INVERTS WITH ELEVATIONS SHOWN. ALL PIPE CENTERLINES TO MATCH PIPE OPENING CENTERLINES.
7. CONTRACTOR TO PROVIDE ANY ETERNAL BYPASS STRUCTURE REQUIRED FOR OFFLINE LAYOUT UNLESS OTHERWISE SPECIFIED.
8. CONTRACTOR TO PROVIDE AND INSTALL MANHOLE RISERS, GRADE RINGS OR BLOCK REQUIRED BETWEEN THE TOP OF THE VORTECHS STRUCTURE AND BASE OF THE MANHOLE FRAMES.

MATERIAL LIST PROVIDED BY CONTECH

COUNT	DESCRIPTION	INSTALLED BY
1	ALUMINUM SWIRL CHAMBER	CONTECH
1	SWIRL CHAMBER SEALANT	CONTECH
1	ALUMINUM ORIFICE PLATE	CONTECH
1	ALUMINUM WEIR PLATE	CONTECH
1	BUTYL MASTIC JOINT SEALANT	CONTRACTOR
3	Ø24" X 4" EJ #41500389 FRAME AND COVER, OR EQUIVALENT	CONTRACTOR

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	04/17/2023	SGR	ERM	JGM	FINAL AS-BUILT

DESIGNED BY: S. GUJULUVA RAJAN
DRAWN BY: M. VU
CHECKED BY: E. MENDEL
APPROVED BY: J. MATTHEWS

kpff
SUBMITTED BY: SARA ROBERTS

HENSEL PHELPS
Plan. Build. Manage.
kpff
DATE: 04/17/2023
REVIEWED BY: GREG SHIMIZU

LINE IS 1" AT FULL SCALE

SoundTransit
DATE: 04/17/2023

SCALE: AS NOTED
FILENAME: S317-F1592-CDD027
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 04/17/2023

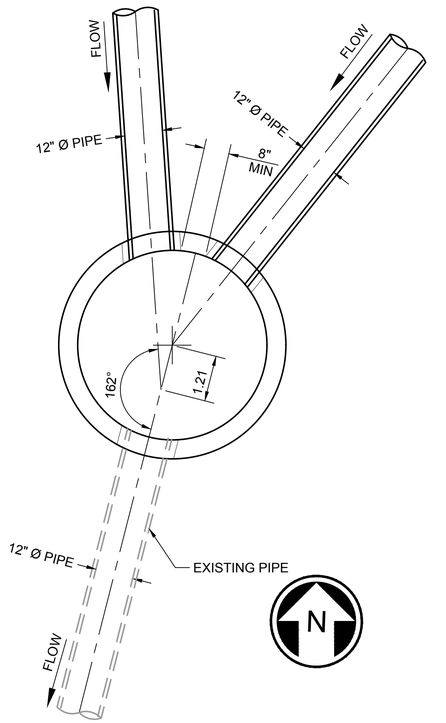
PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
CIVIL
DRAINAGE DETAILS

DRAWING No.: F1592-CDD027
FACILITY ID: F1592
SHEET No.: 112
REV: 0

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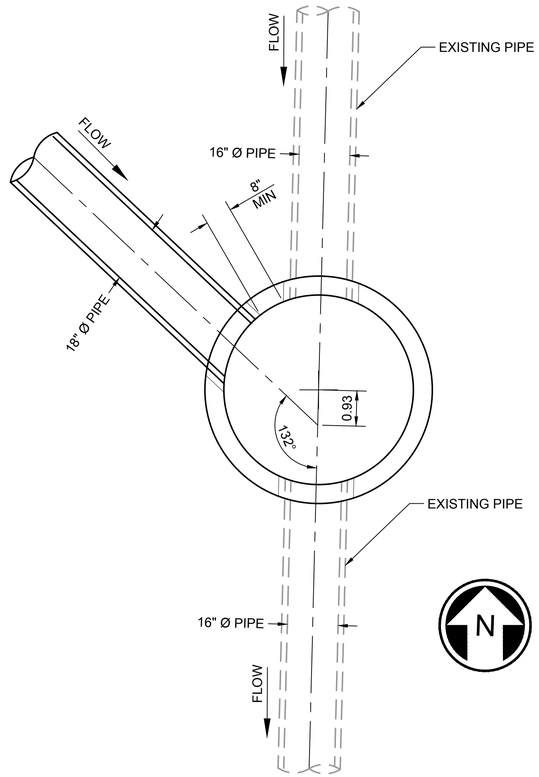
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3RD AVE SDMH#1 60" TYPE-2

SCALE: NTS

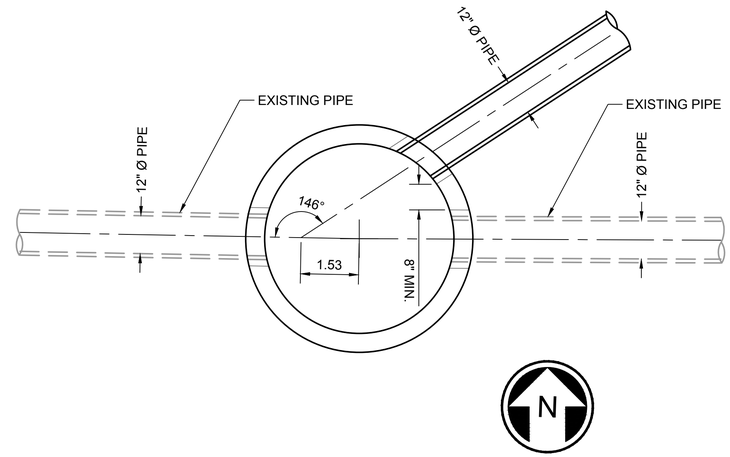
1 F1592-CGP202



5TH AVE CB#8 60" TYPE-2

SCALE: NTS

2 F1592-CGP203



EAST LOT SDMH#1 60" TYPE-2

SCALE: NTS

3 F1592-CGP203

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	04/17/2023	SGR	JGM	JGM	FINAL AS-BUILT

DESIGNED BY: S. GUJULUVA RAJAN
DRAWN BY: M. VU
CHECKED BY: J. MATTHEWS
APPROVED BY: J. MATTHEWS

kpff

HENSEL PHELPS
Plan. Build. Manage.
kpff

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT

SUBMITTED BY: SARA ROBERTS
DATE: 04/17/2023
REVIEWED BY: GREG SHIMIZU
DATE: 04/17/2023

SCALE: AS NOTED
FILENAME: S317-F1592-CDD028
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 04/17/2023

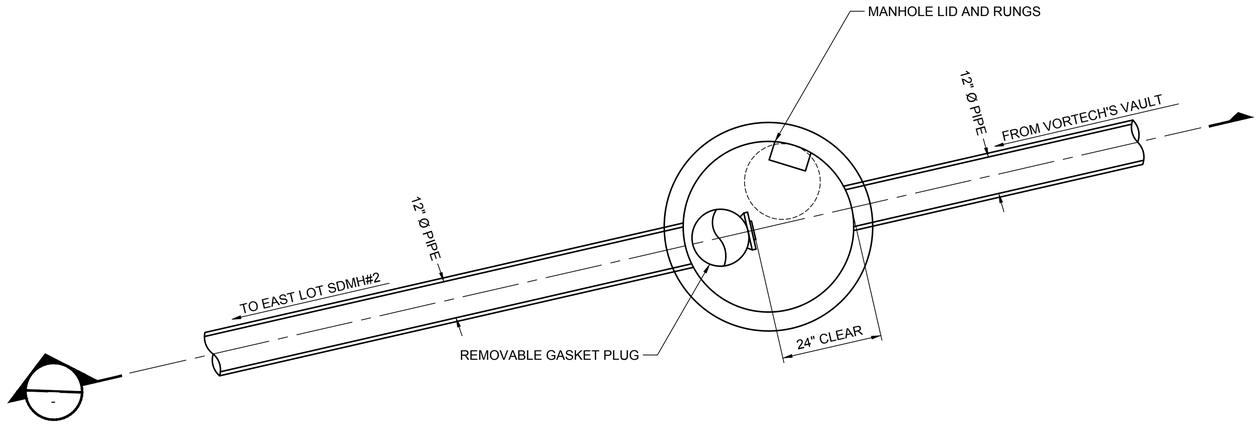
PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS

CIVIL
DRAINAGE DETAILS

DRAWING No.: F1592-CDD028
FACILITY ID: F1592
SHEET No.: 113
REV: 0

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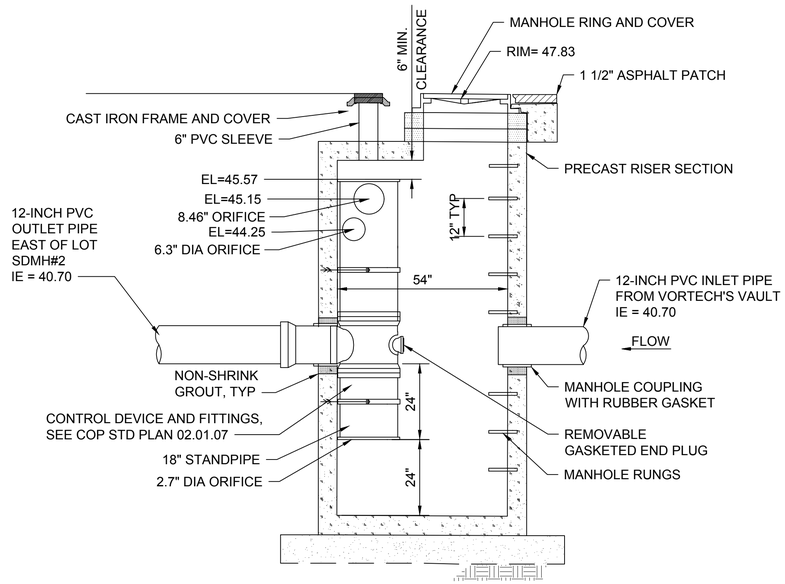
Xrefs:
xGB-TB22x34



EAST LOT SDMH#5 54" DIA FLOW CONTROL MH W/ FLAT TOP

SCALE: NTS

1
F1592-CGP204



SECTION

SCALE: NTS

A
-

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	04/17/2023	SGR	JGM	JGM	FINAL AS-BUILT

DESIGNED BY: S. GUJULUVA RAJAN
DRAWN BY: M. VU
CHECKED BY: J. MATTHEWS
APPROVED BY: J. MATTHEWS

kpff

HENSEL PHELPS
Plan. Build. Manage.
kpff

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT

SUBMITTED BY: SARA ROBERTS
DATE: 04/17/2023
REVIEWED BY: GREG SHIMIZU
DATE: 04/17/2023

SCALE: NTS
FILENAME: S317-F1592-CDD029
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 04/17/2023

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS

CIVIL
STORM DETAILS

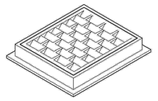
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FACILITY ID: F1592
SHEET No.: 114
REV: 0

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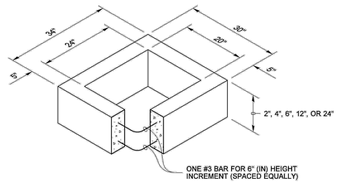
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Xrefs:
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DRAWN BY: FERN LIDDELL



FRAME AND VANED GRATE



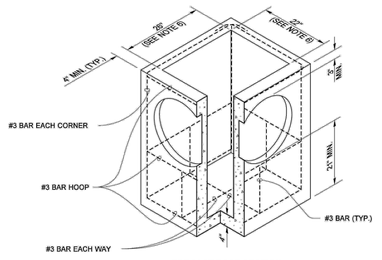
RECTANGULAR ADJUSTMENT SECTION

PIPE ALLOWANCES	
PIPE MATERIAL	MAXIMUM INSIDE DIAMETER (INCHES)
REINFORCED OR PLAIN CONCRETE	12"
ALL METAL PIPE	15"
CPSSP ★ (STD. SPEC. SECT. 9-05.20)	12"
SOLID WALL PVC (STD. SPEC. SECT. 9-05.12(1))	15"
PROFILE WALL PVC (STD. SPEC. SECT. 9-05.12(2))	15"

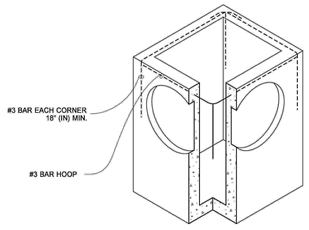
★ CORRUGATED POLYETHYLENE STORM SEWER PIPE

NOTES

1. As acceptable alternatives to the rebar shown in the **PRECAST BASE SECTION**, fibers (placed according to the Standard Specifications), or wire mesh having a minimum area of 0.12 square inches per foot shall be used with the minimum required rebar shown in the **ALTERNATIVE PRECAST BASE SECTION**. Wire mesh shall not be placed in the knockouts.
2. The knockout diameter shall not be greater than 20" (in). Knockouts shall have a wall thickness of 2" (in) minimum to 2.5" (in) maximum. Provide a 1.5" (in) minimum gap between the knockout wall and the outside of the pipe. After the pipe is installed, fill the gap with joint mortar in accordance with **Standard Specification Section 9-04.3**.
3. The maximum depth from the finished grade to the lowest pipe invert shall be 5' (ft).
4. The frame and grate may be installed with the flange down, or integrally cast into the adjustment section with flange up.
5. The Precast Base Section may have a rounded floor, and the walls may be sloped at a rate of 1 : 24 or steeper.
6. The opening shall be measured at the top of the **Precast Base Section**.
7. All pickup holes shall be grouted full after the basin has been placed.



PRECAST BASE SECTION



(SEE NOTE 1)

ALTERNATIVE PRECAST BASE SECTION



Julie Heilman
2020.09.01 07:52:50 -07'00'

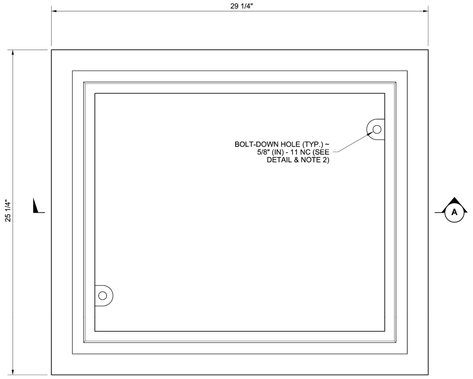
CATCH BASIN TYPE 1

STANDARD PLAN B-5.20-03

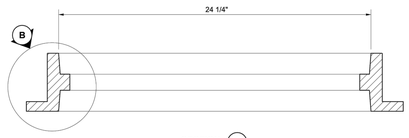
SHEET 1 OF 1 SHEET

APPROVED FOR PUBLICATION
Roark, Steve
Digitally signed by Roark, Steve
Date: 2020.09.09 09:45:23 -07'00'
STATE DESIGN ENGINEER
Washington State Department of Transportation

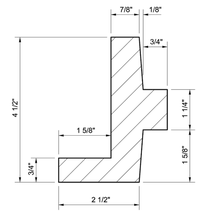
DRAWN BY: FERN LIDDELL



TOP



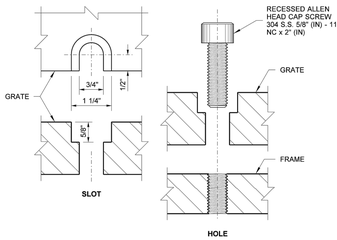
SECTION A



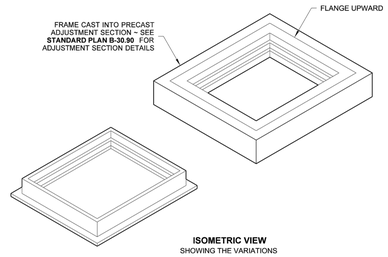
DETAIL B

NOTES

1. This frame is designed to accommodate 20" (in) × 24" (in) grates or covers as shown on **Standard Plans B-30.20, B-30.30, B-30.40,** and **B-30.50.**
2. Bolt-down capability is required on all frames, grates, and covers, unless specified otherwise in the Contract. Provide 2 holes in the frame that are vertically aligned with the grate or cover slots. The frame shall accept the 304 Stainless Steel (S.S.) 5/8" (in) - 11 NC × 2" (in) allen head cap screw by being tapped, or other approved mechanism. Location of bolt-down holes varies by manufacturer.
3. Refer to **Standard Specification Section 9-05.15** and **9-05.15(2)** for additional requirements.



BOLT-DOWN DETAILS
SEE NOTE 2



ISOMETRIC VIEW
SHOWING THE VARIATIONS



Heilman, Julie
Feb 20 2018 12:52 PM

RECTANGULAR FRAME (REVERSIBLE)

STANDARD PLAN B-30.10-03

SHEET 1 OF 1 SHEET

APPROVED FOR PUBLICATION
Caporaso, Jeff
Feb 27 2018 7:33 AM
STATE DESIGN ENGINEER
Washington State Department of Transportation

05/04/23 | 2:50 PM | JONC
Z:\1900001-1900999\1900096 ST PUYALLUP DB GARAGE\CADD\DESIGN\S317-F1592-CDD121.DWG

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	04/17/2023	SGR	JGM	JGM	FINAL AS-BUILT

DESIGNED BY: S. GUJULUVA RAJAN
DRAWN BY: M. VU
CHECKED BY: E. MENDEL
APPROVED BY: J. MATTHEWS

kpff

HENSEL PHELPS
Plan. Build. Manage.
kpff

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT

SUBMITTED BY: SARA ROBERTS
DATE: 04/17/2023
REVIEWED BY: GREG SHIMIZU
DATE: 04/17/2023

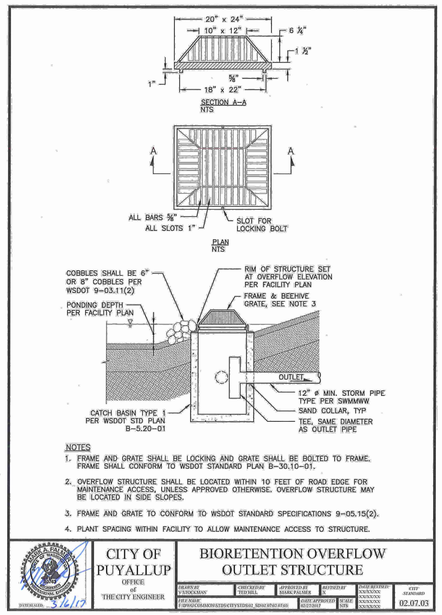
SCALE: NTS
FILENAME: S317-F1592-CDD121
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 04/17/2023

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS

CIVIL
STORM DETAILS

DRAWING No.: **F1592-CDD121**
FACILITY ID: F1592
SHEET No.: 115
REV: 0

Xrefs:
xGB–TB22x34



NOTES

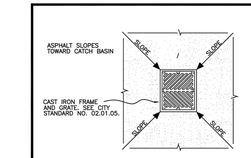
1. FRAME AND GRATE SHALL BE LOCKING AND GRATE SHALL BE BOLTED TO FRAME. FRAME SHALL CONFORM TO WSDOT STANDARD PLAN B-30.10-01.
2. OVERFLOW STRUCTURE SHALL BE LOCATED WITHIN 10 FEET OF ROAD EDGE FOR MAINTENANCE ACCESS, UNLESS APPROVED OTHERWISE. OVERFLOW STRUCTURE MAY BE LOCATED IN SIDE SLOPES.
3. FRAME AND GRATE TO CONFORM TO WSDOT STANDARD SPECIFICATIONS 9-05.15(2).
4. PLANT SPACING WITHIN FACILITY TO ALLOW MAINTENANCE ACCESS TO STRUCTURE.

CITY OF PUYALLUP
OFFICE of THE CITY ENGINEER
3/16/17

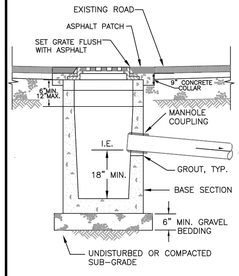
BIORETENTION OVERFLOW OUTLET STRUCTURE

DRAWN BY	CHECKED BY	APPROVED BY	REVISED BY	DATE REVISED	CITY STANDARD
LYNDSAY	TED HILL	MARK GARNER	K	XX/XX/XX	02.07.03

FILE NAME: F:\PW\COM\MKW\STDS\CITY\2009\02_SDS\02.07.03.DGN | DATE APPROVED: 01/27/2017 | DATE REVISED: XX/XX/XX | SCALE: NTS



PLAN VIEW

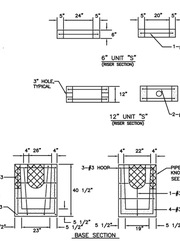


SECTION VIEW

NOTES:

1. MAXIMUM LENGTH OF PIPE BETWEEN CATCH BASINS SHALL BE 400'.
2. TYPE I CATCH BASIN IS USED FOR DEPTHS LESS THAN 5'–0" FROM TOP OF GRATE TO I.E.(PIPE INVERT).
3. PRECAST BASE SECTION SHALL BE FURNISHED WITH CUTOUTS OR KNOCKOUTS. KNOCKOUTS SHALL HAVE A WALL THICKNESS OF 2" MIN. KNOCKOUTS SHALL BE ON 4 SIDES WITH A MAXIMUM DIAMETER OF 20" TO PROVIDE FOR A MINIMUM SUMP DEPTH OF 18".
4. THE TAPER ON THE SIDES OF THE PRECAST BASE SECTION SHALL NOT EXCEEDD 1/2" PER FOOT.
5. CATCH BASIN SHALL BE CONSTRUCTED IN ACCORDANCE WITH ASTM C 478 (AASHTO M 199) AND ASTM C 890 UNLESS OTHERWISE NOTED.
6. CATCH BASIN MARKER WILL BE AFFIXED WITH MANUFACTURER'S EPOXY IN DRY WEATHER, 40 DEGREES OR WARMER. IF CURB EXISTS MARKER IS PLACED ON TOP OF CURB, IF A RAISED EDGE PLACE MARKER ON THE WEDGE, IF NO CURB PLACE ON PAVEMENT ON SIDE LEAST EXPOSED TO TRAFFIC



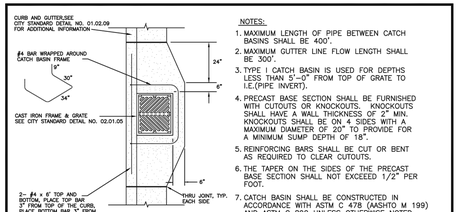


CITY OF PUYALLUP
DEVELOPMENT ENGINEERING and PUBLIC WORKS DEPARTMENTS

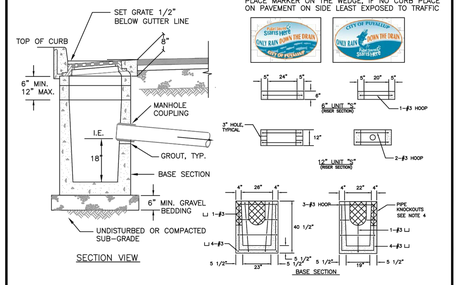
CATCH BASIN TYPE 1 (AREA DRAIN)

DRAWN BY	CHECKED BY	APPROVED BY	REVISED BY	CITY STANDARD
LINDA LANSING	LINDA LUAN	COLLEEN BAKER	XXXX	02.01.02

FILE NAME: F:\PW\COM\MKW\STDS\CITY\2009\02_SDS\02.01.02 | DATE APPROVED: 09/01/1992 | DATE REVISED: 06/01/2003 | SCALE: NTS



PLAN VIEW



NOTES:

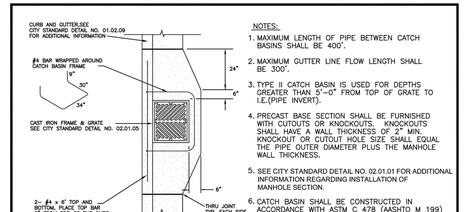
1. MAXIMUM LENGTH OF PIPE BETWEEN CATCH BASINS SHALL BE 400'.
2. MAXIMUM GUTTER LINE FLOW LENGTH SHALL BE 300'.
3. TYPE I CATCH BASIN IS USED FOR DEPTHS LESS THAN 5'–0" FROM TOP OF GRATE TO I.E.(PIPE INVERT).
4. PRECAST BASE SECTION SHALL BE FURNISHED WITH CUTOUTS OR KNOCKOUTS. KNOCKOUTS SHALL HAVE A WALL THICKNESS OF 2" MIN. KNOCKOUTS SHALL BE ON 4 SIDES WITH A MAXIMUM DIAMETER OF 20" TO PROVIDE FOR A MINIMUM SUMP DEPTH OF 18".
5. REINFORCING BARS SHALL BE CUT OR BENT AS REQUIRED TO CLEAR CUTOUTS.
6. THE TAPER ON THE SIDES OF THE PRECAST BASE SECTION SHALL NOT EXCEEDD 1/2" PER FOOT.
7. CATCH BASIN SHALL BE CONSTRUCTED IN ACCORDANCE WITH ASTM C 478 (AASHTO M 199) AND ASTM C 890 UNLESS OTHERWISE NOTED.
8. THE APRON SHALL BE 8" IN DEPTH.
9. CATCH BASIN MARKER WILL BE AFFIXED WITH MANUFACTURER'S EPOXY IN DRY WEATHER, 40 DEGREES OR WARMER. IF CURB EXISTS MARKER IS PLACED ON TOP OF CURB, IF A RAISED EDGE PLACE MARKER ON THE WEDGE, IF NO CURB PLACE ON PAVEMENT ON SIDE LEAST EXPOSED TO TRAFFIC

CITY OF PUYALLUP
DEVELOPMENT ENGINEERING and PUBLIC WORKS DEPARTMENTS

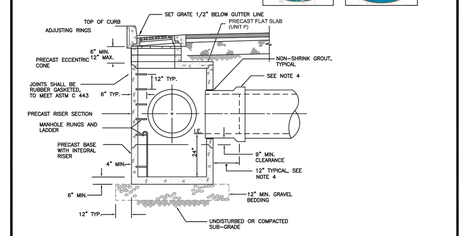
CATCH BASIN TYPE 1 (GUTTER DRAIN)

DRAWN BY	CHECKED BY	APPROVED BY	REVISED BY	CITY STANDARD
LINDA LANSING	LINDA LUAN	COLLEEN BAKER	XXXX	02.01.03

FILE NAME: F:\PW\COM\MKW\STDS\CITY\2009\02_SDS\02.01.03 | DATE APPROVED: 09/01/1992 | DATE REVISED: 06/01/2003 | SCALE: NTS



PLAN VIEW



NOTES:

1. MAXIMUM LENGTH OF PIPE BETWEEN CATCH BASINS SHALL BE 400'.
2. MAXIMUM GUTTER LINE FLOW LENGTH SHALL BE 300'.
3. TYPE II CATCH BASIN IS USED FOR DEPTHS GREATER THAN 5'–0" FROM TOP OF GRATE TO I.E.(PIPE INVERT).
4. PRECAST BASE SECTION SHALL BE FURNISHED WITH CUTOUTS OR KNOCKOUTS. KNOCKOUTS SHALL HAVE A WALL THICKNESS OF 2" MIN. KNOCKOUT OR CUTOUT HOLE SIZE SHALL EQUAL THE PIPE OUTER DIAMETER PLUS THE MANHOLE WALL THICKNESS.
5. SEE CITY STANDARD DETAIL NO. 02.01.01 FOR ADDITIONAL INFORMATION REGARDING INSTALLATION OF MANHOLE SECTION.
6. CATCH BASIN SHALL BE CONSTRUCTED IN ACCORDANCE WITH ASTM C 478 (AASHTO M 199) AND ASTM C 890 UNLESS OTHERWISE NOTED.
7. CATCH BASIN MARKER WILL BE AFFIXED WITH MANUFACTURER'S EPOXY IN DRY WEATHER, 40 DEGREES OR WARMER. IF CURB EXIST MARKER IS PLACED ON TOP OF CURB, IF A RAISED EDGE PLACE MARKER ON THE WEDGE, IF NO CURB PLACE ON PAVEMENT ON SIDE LEAST EXPOSED TO TRAFFIC

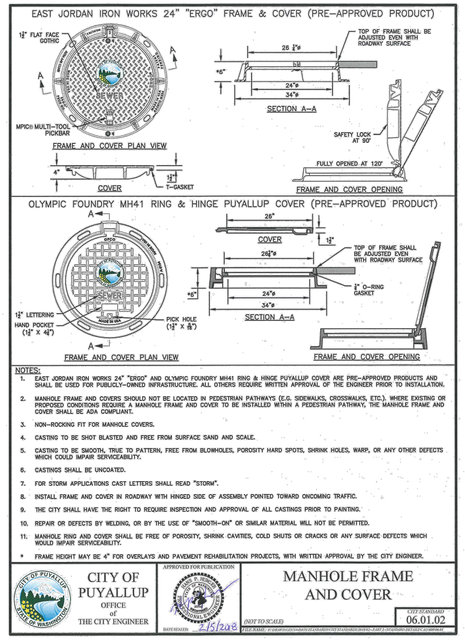


CITY OF PUYALLUP
DEVELOPMENT ENGINEERING and PUBLIC WORKS DEPARTMENTS

CATCH BASIN TYPE II

DRAWN BY	CHECKED BY	APPROVED BY	REVISED BY	CITY STANDARD
LINDA LANSING	LINDA LUAN	COLLEEN BAKER	XXXX	02.01.04

FILE NAME: F:\PW\COM\MKW\STDS\CITY\2009\02_SDS\02.01.04 | DATE APPROVED: 09/01/1992 | DATE REVISED: 06/01/2003 | SCALE: NTS



NOTES:

1. EAST JORDAN IRON WORKS 24" "ERGO" AND OLYMPIC FOUNDRY MH41 RING & HINGE PUYALLUP COVER ARE PRE–APPROVED PRODUCTS AND SHALL BE USED FOR PUBLICLY–OWNED INFRASTRUCTURE. ALL OTHERS REQUIRE WRITTEN APPROVAL OF THE ENGINEER PRIOR TO INSTALLATION.
2. MANHOLE FRAME AND COVERS SHOULD NOT BE LOCATED IN PEDESTRIAN PATHWAYS (E.G. SIDEWALKS, CROSSWALKS, ETC.), WHERE EXISTING OR PROPOSED CONDITIONS REQUIRE A MANHOLE FRAME AND COVER TO BE INSTALLED WITHIN A PEDESTRIAN PATHWAY, THE MANHOLE FRAME AND COVER SHALL BE ADA COMPLIANT.
3. NON–ROCKING FIT FOR MANHOLE COVERS.
4. CASTING TO BE SHOT BLASTED AND FREE FROM SURFACE SAND AND SCALE.
5. CASTING TO BE SMOOTH, TRUE TO PATTERN, FREE FROM BLOWHOLES, POROSITY HARD SPOTS, SHRINK HOLES, WARP, OR ANY OTHER DEFECTS WHICH COULD IMPAIR SERVICEABILITY.
6. CASTINGS SHALL BE UNCOATED.
7. FOR STORM APPLICATIONS CAST LETTERS SHALL READ "STORM".
8. INSTALL FRAME AND COVER IN ROADWAY WITH HINGED SIDE OF ASSEMBLY POINTED TOWARD ONCOMING TRAFFIC.
9. THE CITY SHALL HAVE THE RIGHT TO REQUIRE INSPECTION AND APPROVAL OF ALL CASTINGS PRIOR TO PAINTING.
10. REPAIR OR DEFECTS BY WELDING, OR BY THE USE OF "SMOOTH–ON" OR SIMILAR MATERIAL WILL NOT BE PERMITTED.
11. MANHOLE RING AND COVER SHALL BE FREE OF POROSITY, SHRINK CAVITIES, COLD SHUTS OR CRACKS OR ANY SURFACE DEFECTS WHICH WOULD IMPAIR SERVICEABILITY.

* FRAME HEIGHT MAY BE 4" FOR OVERLAYS AND PAVEMENT REHABILITATION PROJECTS, WITH WRITTEN APPROVAL BY THE CITY ENGINEER.

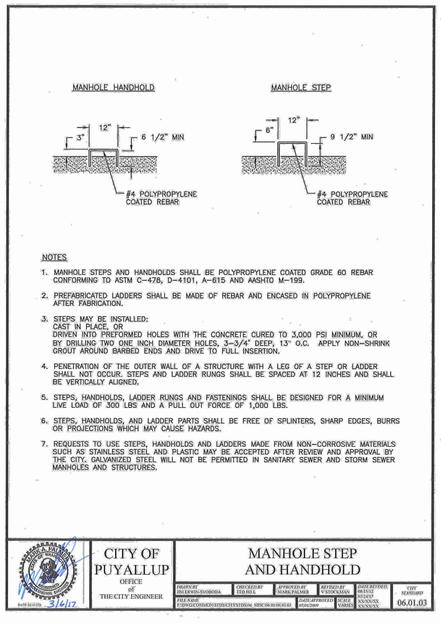
CITY OF PUYALLUP
OFFICE of THE CITY ENGINEER
APPROVED FOR PUBLICATION
2/15/2018
DATE ISSUED

MANHOLE FRAME AND COVER

(NOT TO SCALE)

CITY STANDARD
06.01.02

FILE NAME: F:\PW\COM\MKW\STDS\CITY\2009\02_SDS\06.01.02.DGN | DATE APPROVED: 02/15/2018 | DATE REVISED: XX/XX/XX | SCALE: NTS



NOTES

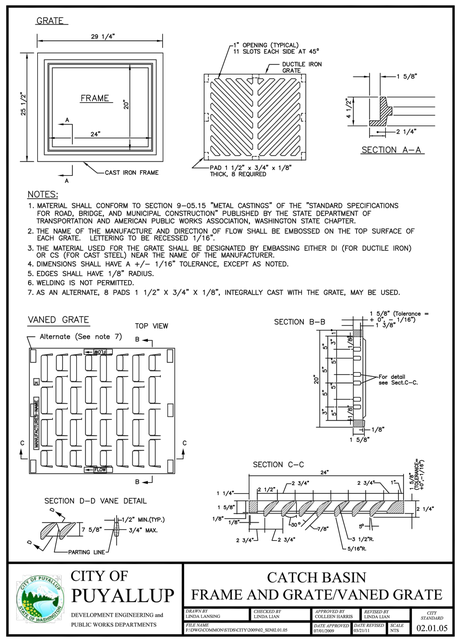
1. MANHOLE STEPS AND HANDHOLDS SHALL BE POLYPROPYLENE COATED GRADE 60 REBAR CONFORMING TO ASTM C–478, D–4101, A–615 AND AASHTO M–199.
2. PREFABRICATED LADDERS SHALL BE MADE OF REBAR AND ENCASED IN POLYPROPYLENE AFTER FABRICATION.
3. STEPS MAY BE INSTALLED:
   CAST IN PLACE, OR
   DRIVEN INTO PREFORMED HOLES WITH THE CONCRETE CURED TO 3,000 PSI MINIMUM, OR BY DRILLING TWO ONE INCH DIAMETER HOLES, 3–3/4" DEEP, 13" O.C. APPLY NON–SHRINK GROUT AROUND BARBED ENDS AND DRIVE TO FULL INSERTION.
4. PENETRATION OF THE OUTER WALL OF A STRUCTURE WITH A LEG OF A STEP OR LADDER SHALL NOT OCCUR. STEPS AND LADDER RUNGS SHALL BE SPACED AT 12 INCHES AND SHALL BE VERTICALLY ALIGNED.
5. STEPS, HANDHOLDS, LADDER RUNGS AND FASTENINGS SHALL BE DESIGNED FOR A MINIMUM LIVE LOAD OF 300 LBS AND A PULL OUT FORCE OF 1,000 LBS.
6. STEPS, HANDHOLDS, AND LADDER PARTS SHALL BE FREE OF SPLINTERS, SHARP EDGES, BURRS OR PROJECTIONS WHICH MAY CAUSE HAZARDS.
7. REQUESTS TO USE STEPS, HANDHOLDS AND LADDERS MADE FROM NON–CORROSIVE MATERIALS SUCH AS STAINLESS STEEL AND PLASTIC MAY BE ACCEPTED AFTER REVIEW AND APPROVAL BY THE CITY. GALVANIZED STEEL WILL NOT BE PERMITTED IN SANITARY SEWER AND STORM SEWER MANHOLES AND STRUCTURES.

CITY OF PUYALLUP
OFFICE of THE CITY ENGINEER
3/16/17

MANHOLE STEP AND HANDHOLD

DRAWN BY	CHECKED BY	APPROVED BY	REVISED BY	DATE REVISED	CITY STANDARD
BEN SIMMONS	TED HILL	MARK GARNER	STEVE WIRE	XX/XX/XX	06.01.03

FILE NAME: F:\PW\COM\MKW\STDS\CITY\STD\06_SDS\06.01.03.DGN | DATE APPROVED: 3/16/2017 | DATE REVISED: XX/XX/XX | SCALE: NTS



NOTES:

1. MATERIAL SHALL CONFORM TO SECTION 9–05.15 "METAL CASTINGS" OF THE "STANDARD SPECIFICATIONS FOR ROAD, BRIDGE, AND MUNICIPAL CONSTRUCTION" PUBLISHED BY THE STATE DEPARTMENT OF TRANSPORTATION AND AMERICAN PUBLIC WORKS ASSOCIATION, WASHINGTON STATE CHAPTER.
2. THE NAME OF THE MANUFACTURE AND DIRECTION OF FLOW SHALL BE EMBOSSED ON THE TOP SURFACE OF EACH GRATE. LETTERING TO BE RECESSED 1/16".
3. THE MATERIAL USED FOR THE GRATE SHALL BE DESIGNATED BY EMBASSING EITHER DI (FOR DUCTILE IRON) OR CS (FOR CAST STEEL) NEAR THE NAME OF THE MANUFACTURER.
4. DIMENSIONS SHALL HAVE A +/– 1/16" TOLERANCE, EXCEPT AS NOTED.
5. EDGES SHALL HAVE 1/8" RADIUS.
6. WELDING IS NOT PERMITTED.
7. AS AN ALTERNATE, 8 PADS 1 1/2" X 3/4" X 1/8", INTEGRALLY CAST WITH THE GRATE, MAY BE USED.

CITY OF PUYALLUP
DEVELOPMENT ENGINEERING and PUBLIC WORKS DEPARTMENTS

CATCH BASIN FRAME AND GRATE/VANED GRATE

DRAWN BY	CHECKED BY	APPROVED BY	REVISED BY	CITY STANDARD
LINDA LANSING	LINDA LUAN	COLLEEN BAKER	XXXX	02.01.05

FILE NAME: F:\PW\COM\MKW\STDS\CITY\2009\02_SDS\02.01.05.DGN | DATE APPROVED: 02/01/2008 | DATE REVISED: XX/XX/XX | SCALE: NTS

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	04/17/2023	SGR	ERM	JGM	FINAL AS-BUILT

DESIGNED BY: S. GUJULUVA RAJAN
DRAWN BY: M. VU
CHECKED BY: E. MENDEL
APPROVED BY: J. MATTHEWS

kpff

HENSEL PHELPS
Plan. Build. Manage.
kpff

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT

SCALE: NTS
FILENAME: S317-F1592-CDD122
CONTRACT No.: RTA/CN 0612-18

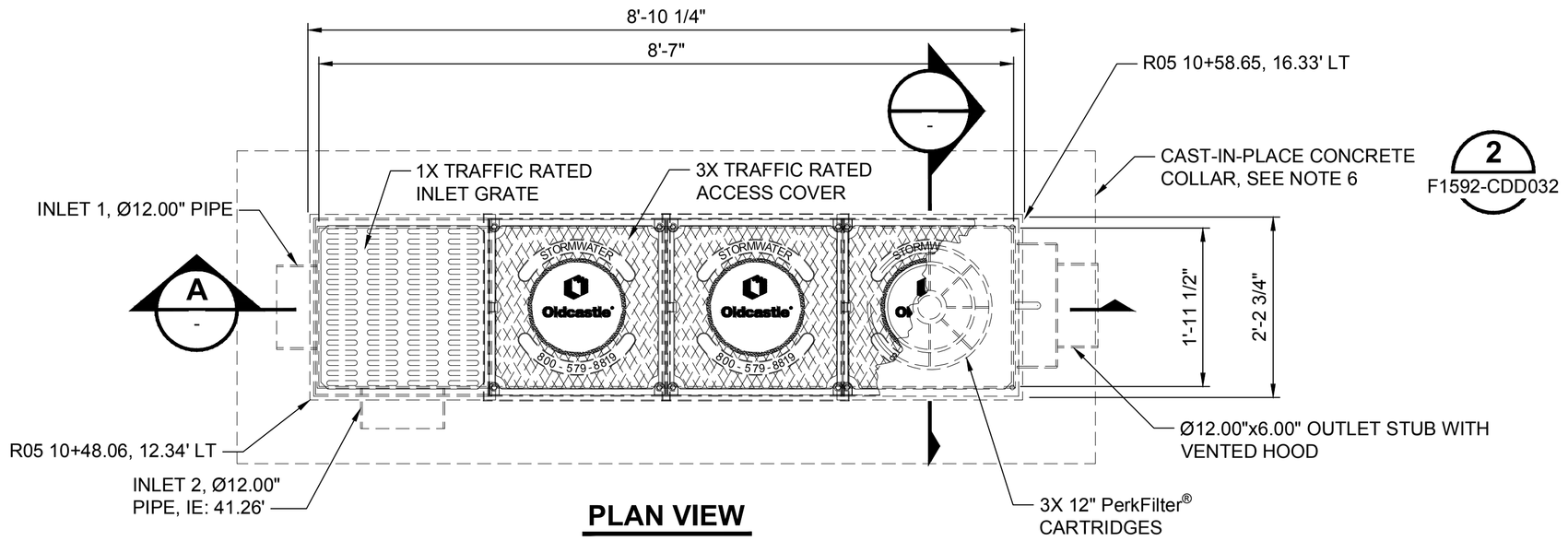
SUBMITTED BY: SARA ROBERTS
DATE: 04/17/2023
REVIEWED BY: GREG SHIMIZU
DATE: 04/17/2023
SUBMITTAL DATE: 04/17/2023

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
CIVIL
STORM DETAILS

DRAWING No.: F1592-CDD122
FACILITY ID: F1592
SHEET No.: 116
REV: 0

05/04/23 | 2:50 PM | JONC
Z:\1900001-1900999\1900096 ST PUYALLUP DB GARAGE\CADD\DESIGN\S317-F1592-CDD122.DWG

Xrefs:
xGB-TB22x34



PLAN VIEW

(OLDCASTLE PERK FILTER STEEL CATCH BASIN)

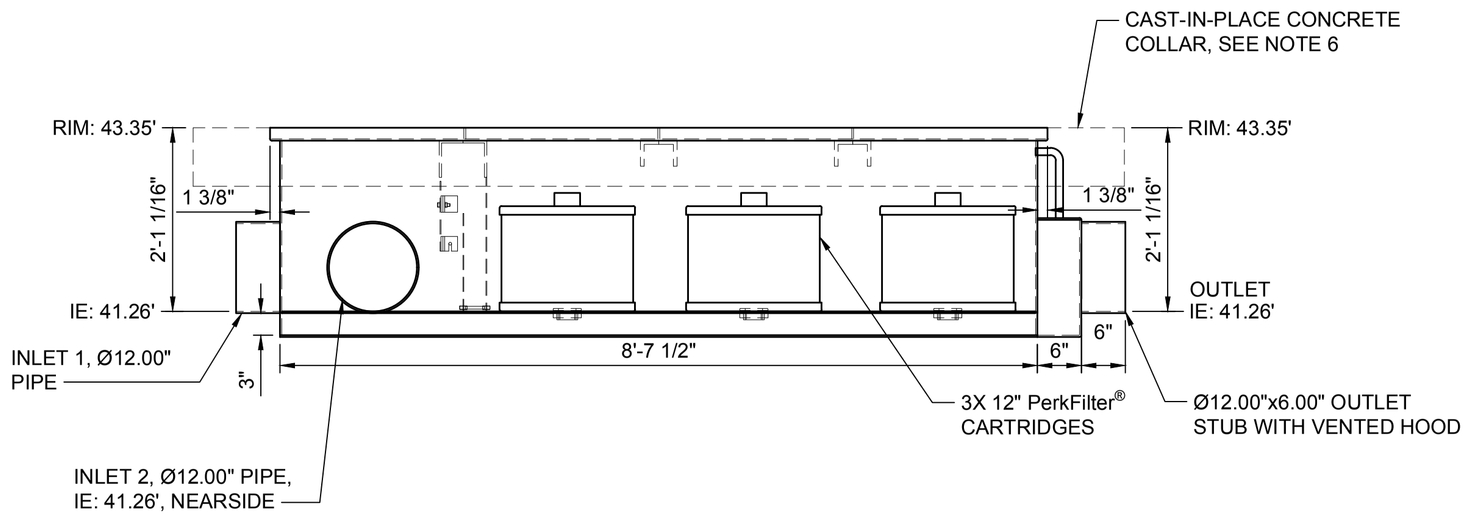
WATER QUALITY STRUCTURE (WQ-5)

SCALE: NTS

1
F1592-CGP303

DESIGN WATER QUALITY FLOW RATE	0.033 CFS
PEAK FLOW RATE	<1.3 CFS
RETURN PERIOD OF PEAK FLOW	100 YRS
FILTER MEDIA TYPE	ZPC
CARTRIDGE FLOWRATE	6.8 GPM

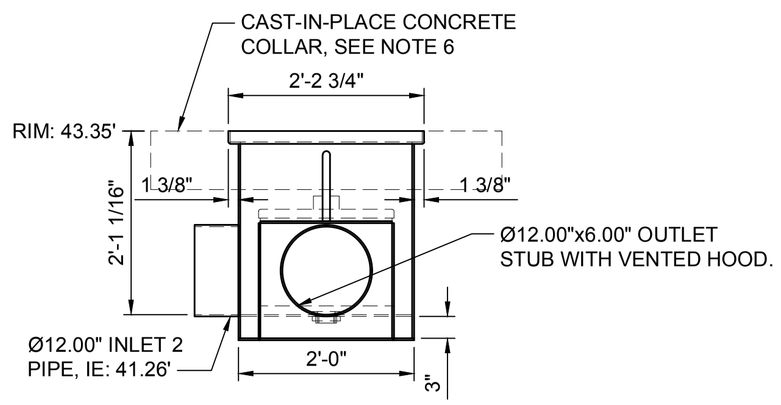
NOTES:
1. PERK FILTER CATCH BASIN SHALL BE SUPPLIED WITH TRAFFIC RATED (H25) BICYCLE-PROOF GRATES AND SOLID PLATE COVER.
2. INLET CHAMBER SHALL BE SUPPLIED WITH A DRAIN-DOWN DEVICE DESIGNED TO REMOVE STANDING WATER BETWEEN STORM EVENTS.
3. PERK FILTER CARTRIDGE SHALL BE MAINTAINED IN ACCORDANCE WITH MANUFACTURER RECOMMENDATIONS.
4. ALL STEEL SHALL BE ASTM A36, UNLESS OTHERWISE NOTED.
5. COUPLERS AND ANGLES ON EXTERNAL PIPING SHALL MEET THE STANDARD SPECIFICATION SECTION 33 40 00.
6. CAST-IN-PLACE CONCRETE COLLAR SHALL MEET HS-20 TRAFFIC LOAD.



SECTION

SCALE: NTS

A
-



SECTION

SCALE: NTS

B
-

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	04/17/2023	SGR	ERM	JGM	FINAL AS-BUILT

DESIGNED BY: S. GUJULUVA RAJAN
DRAWN BY: J. CURTIS
CHECKED BY: E. MENDEL
APPROVED BY: J. MATTHEWS

kpff — SUBMITTED BY: SARA ROBERTS — DATE: 04/17/2023

HENSEL PHELPS Plan. Build. Manage. kpff — REVIEWED BY: GREG SHIMIZU — DATE: 04/17/2023

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT — SUBMITTAL DATE: 04/17/2023

SCALE: AS NOTED
FILENAME: S317-F1592-CDD031
CONTRACT No.: RTA/CN 0612-18

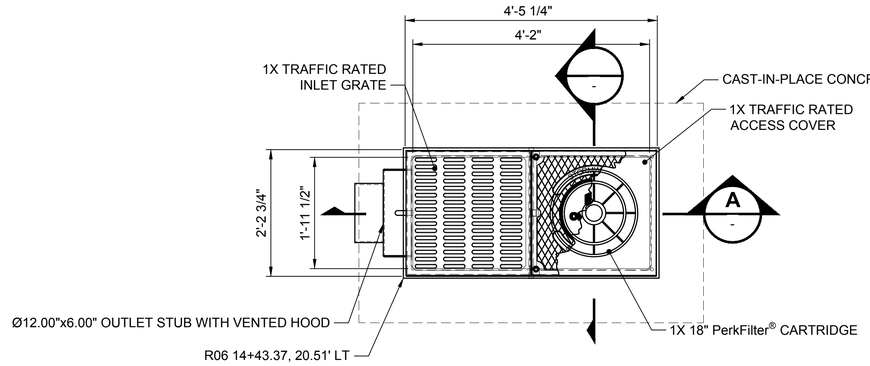
PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS

CIVIL
DRAINAGE DETAILS

DRAWING No.: **F1592-CDD031**
FACILITY ID: F1592
SHEET No.: 117
REV: 0

05/04/23 | 2:50 PM | JONC
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Xrefs:
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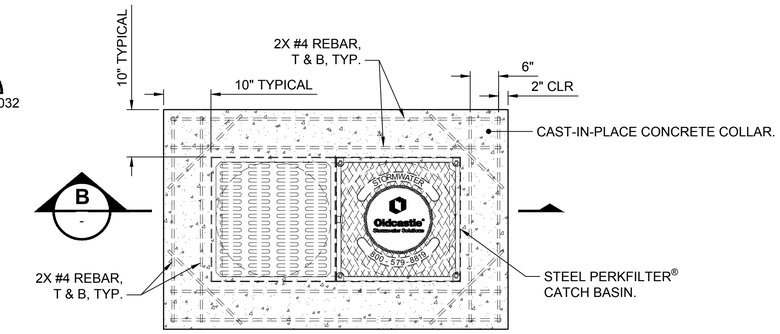
(OLDCASTLE PERK FILTER STEEL CATCH BASIN)

WATER QUALITY STRUCTURE (WQ-6)

SCALE: NTS

1 / F1592-CGP303

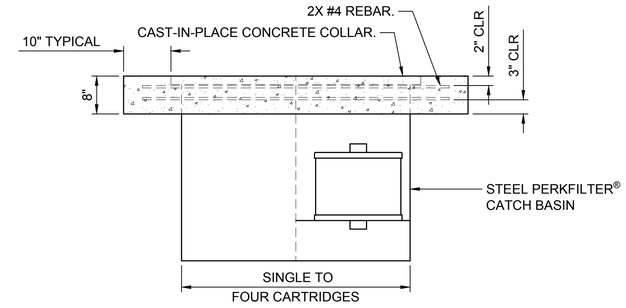
2 / F1592-CDD032



DETAIL

SCALE: NTS

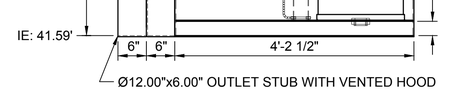
2 / F1592-CDD031
F1592-CDD032



SECTION

SCALE: NTS

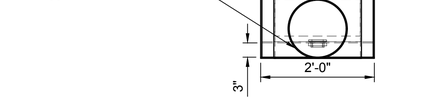
B / -



SECTION

SCALE: NTS

A / -



SECTION

SCALE: NTS

D / -

NOTES:

1. PERK FILTER CATCH BASIN SHALL BE SUPPLIED WITH TRAFFIC RATED (H25) BICYCLE-PROOF GRATES AND SOLID PLATE COVER.
2. INLET CHAMBER SHALL BE SUPPLIED WITH A DRAIN-DOWN DEVICE DESIGNED TO REMOVE STANDING WATER BETWEEN STORM EVENTS.
3. PERK FILTER CARTRIDGE SHALL BE MAINTAINED IN ACCORDANCE WITH MANUFACTURER RECOMMENDATIONS.
4. ALL STEEL SHALL BE ASTM A36, UNLESS OTHERWISE NOTED.
5. COUPLERS AND ANGLES ON EXTERNAL PIPING SHALL MEET THE STANDARD SPECIFICATION SECTION 33 40 00.
6. CAST-IN-PLACE CONCRETE COLLAR SHALL MEET HS-20 TRAFFIC LOAD.

DESIGN WATER QUALITY FLOWRATE	0.02 CFS
PEAK FLOW RATE	<1.3 CFS
RETURN PERIOD OF PEAK FLOW	100 YRS
FILTER MEDIA TYPE	ZPC
CARTRIDGE FLOWRATE	10.2 GPM

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	04/17/2023	SGR	ERM	JGM	FINAL AS-BUILT

DESIGNED BY: S. GUJULUVA RAJAN
DRAWN BY: J. CURTIS
CHECKED BY: E. MENDEL
APPROVED BY: J. MATTHEWS

kpff
SUBMITTED BY: SARA ROBERTS

HENSEL PHELPS
Plan. Build. Manage.
kpff
DATE: 04/17/2023
REVIEWED BY: GREG SHIMIZU

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT
DATE: 04/17/2023

SCALE: AS NOTED
FILENAME: S317-F1592-CDD032
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 04/17/2023

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS

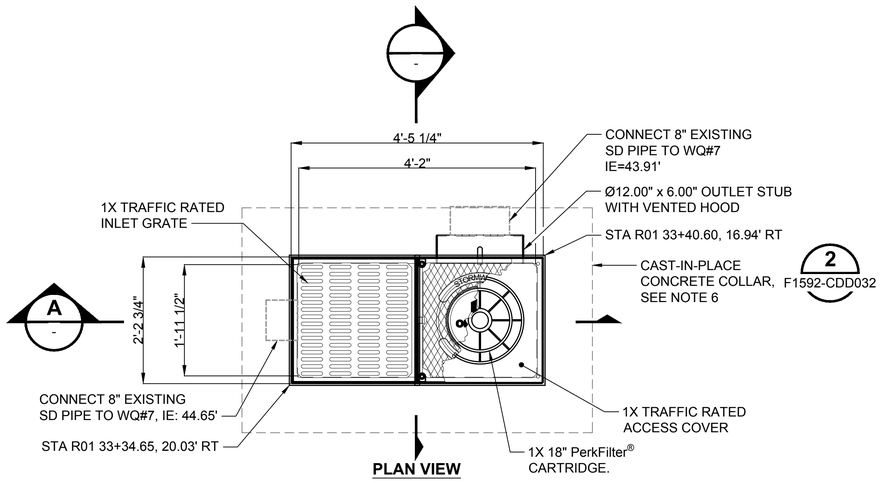
CIVIL
DRAINAGE DETAILS

DRAWING No.: F1592-CDD032
FACILITY ID: F1592
SHEET No.: 118
REV: 0

05/04/23 | 2:50 PM | JONC
Z:\1900001-1900999\1900096 ST PUYALLUP DB GARAGE\CADD\DESIGN\S317-F1592-CDD032.DWG

D

Xrefs:
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(OLDCASTLE PERK FILTER STEEL CATCH BASIN)

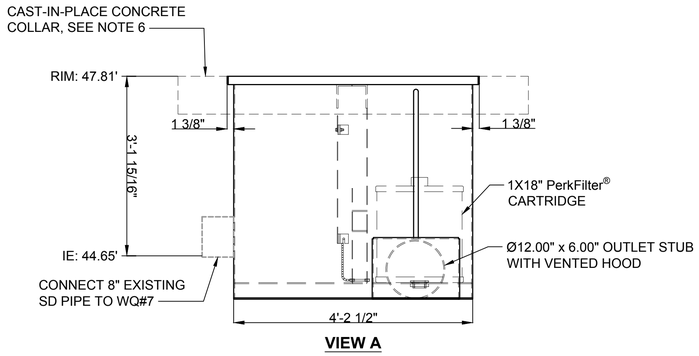
WATER QUALITY STRUCTURE (WQ-7)

SCALE: NTS

1
F1592-CGP305

DESIGN WATER QUALITY FLOWRATE	0.022 CFS
PEAK FLOW RATE	<1.3 CFS
RETURN PERIOD OF PEAK FLOW	100 YRS
FILTER MEDIA TYPE	ZPC
CARTRIDGE FLOWRATE	10.2 GPM

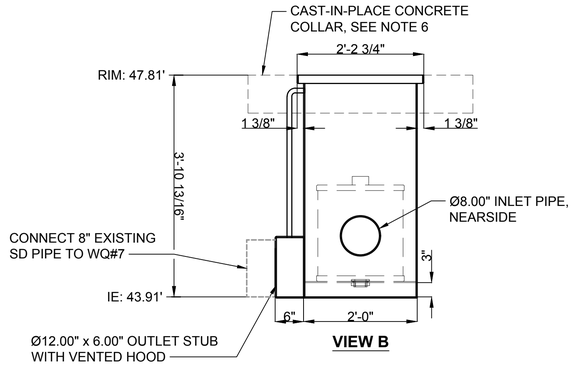
NOTES:
1. PERK FILTER CATCH BASIN SHALL BE SUPPLIED WITH TRAFFIC RATED (H25) BICYCLE-PROOF GRATES AND SOLID PLATE COVER.
2. INLET CHAMBER SHALL BE SUPPLIED WITH A DRAIN-DOWN DEVICE DESIGNED TO REMOVE STANDING WATER BETWEEN STORM EVENTS.
3. PERK FILTER CARTRIDGE SHALL BE MAINTAINED IN ACCORDANCE WITH MANUFACTURER RECOMMENDATIONS.
4. ALL STEEL SHALL BE ASTM A36, UNLESS OTHERWISE NOTED.
5. COUPLERS AND ANGLES ON EXTERNAL PIPING SHALL MEET THE STANDARD SPECIFICATION SECTION 33 40 00.
6. CAST-IN-PLACE CONCRETE COLLAR SHALL MEET HS-20 TRAFFIC LOAD.



SECTION

SCALE: NTS

A
-



SECTION

SCALE: NTS

B
-

05/04/23 | 2:50 PM | JONC
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FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	04/17/2023	SGR	ERM	JGM	FINAL AS-BUILT

DESIGNED BY: S. GUJULUVA RAJAN
DRAWN BY: M. VU
CHECKED BY: E. MENDEL
APPROVED BY: J. MATTHEWS

kpff
SUBMITTED BY: SARA ROBERTS

HENSEL PHELPS
Plan. Build. Manage.
kpff
DATE: 04/17/2023
REVIEWED BY: GREG SHIMIZU

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT
DATE: 04/17/2023

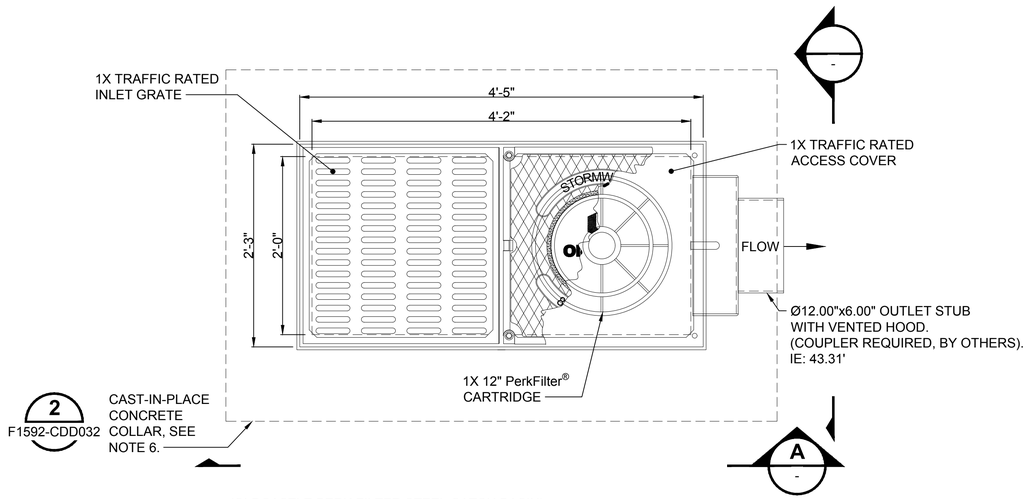
SCALE: AS NOTED
FILENAME: S317-F1592-CDD033
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 04/17/2023

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS

CIVIL
DRAINAGE DETAILS

DRAWING No.: F1592-CDD033
FACILITY ID: F1592
SHEET No.: 119
REV: 0

Xrefs:
xGB-TB22x34



(OLDCASTLE PERK FILTER STEEL CATCH BASIN)

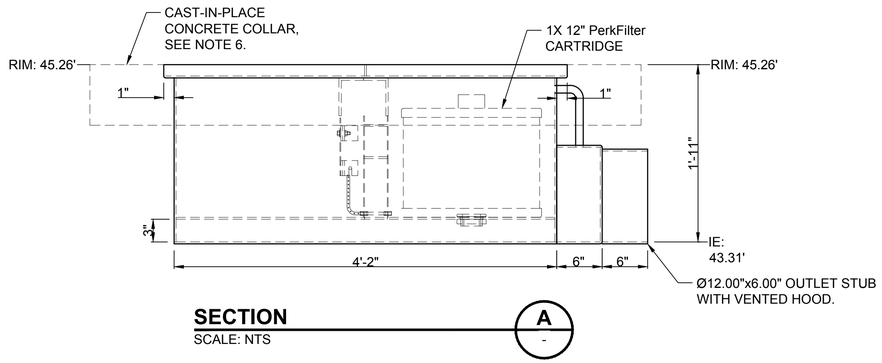
WATER QUALITY STRUCTURE (WQ-8)

SCALE: NTS

1
F1592-CGP301

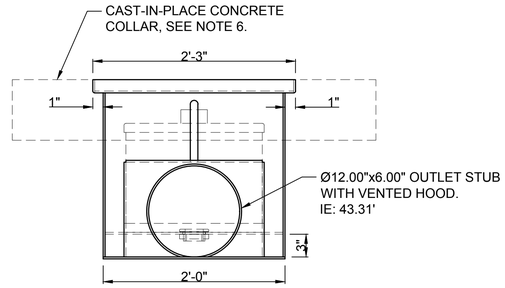
NOTES:
1. PERK FILTER CATCH BASIN SHALL BE SUPPLIED WITH TRAFFIC RATED (H25) BICYCLE-PROOF GRATES AND SOLID PLATE COVER.
2. INLET CHAMBER SHALL BE SUPPLIED WITH A DRAIN-DOWN DEVICE DESIGNED TO REMOVE STANDING WATER BETWEEN STORM EVENTS.
3. PERK FILTER CARTRIDGE SHALL BE MAINTAINED IN ACCORDANCE WITH MANUFACTURER RECOMMENDATIONS.
4. ALL STEEL SHALL BE ASTM A36, UNLESS OTHERWISE NOTED.
5. COUPLERS AND ANGLES ON EXTERNAL PIPING SHALL MEET THE STANDARD SPECIFICATION SECTION 33 40 00.
6. CAST-IN-PLACE CONCRETE COLLAR SHALL MEET HS-20 TRAFFIC LOAD.

DESIGN WATER QUALITY FLOWRATE	0.01 CFS
PEAK FLOW RATE	<1.3 CFS
RETURN PERIOD OF PEAK FLOW	100 YRS
FILTER MEDIA TYPE	ZPC
CARTRIDGE FLOWRATE	6.8 GPM



SECTION
SCALE: NTS

A
-



SECTION
SCALE: NTS

B
-

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	04/17/2023	SGR	ERM	JGM	FINAL AS-BUILT

DESIGNED BY: S. GUJULUVA RAJAN
DRAWN BY: J. CURTIS
CHECKED BY: E. MENDEL
APPROVED BY: J. MATTHEWS

kpff
SUBMITTED BY: SARA ROBERTS

HENSEL PHELPS
Plan. Build. Manage.
kpff
DATE: 04/17/2023
REVIEWED BY: GREG SHIMIZU

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT
DATE: 04/17/2023

SCALE: AS NOTED
FILENAME: S317-F1592-CDD034
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 04/17/2023

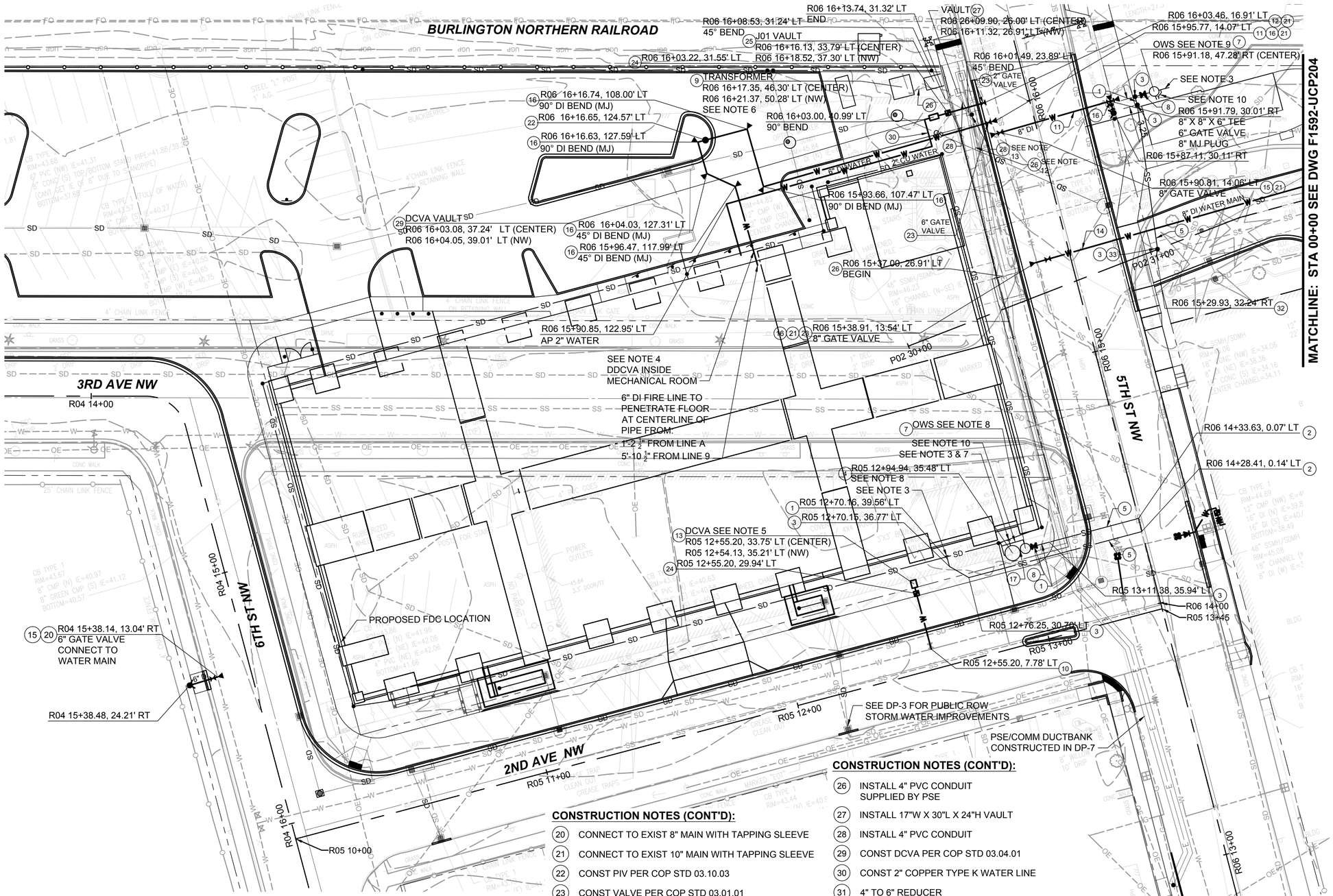
PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS

CIVIL
DRAINAGE DETAILS

DRAWING No.: F1592-CDD034
FACILITY ID: F1592
SHEET No.: 120
REV: 0

05/04/23 | 2:50 PM | JONC
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Xrefs:
xS317-F1592-RPP10
xS317-F1592-VRX10
xS317-F1592-CSP10
xS317-F1592-CDP10
xS317-F1592-UPP10
xS317-F1592-UWP10
xGB-TB22x34
xS317-F1592-UCP10
xS317-F1592-SGP01



NOTES:

1. FOR GENERAL NOTES, SEE DRAWING F1592-CZN001.
2. FOR SYMBOLS, ABBREVIATIONS, AND LEGENDS, SEE DRAWING F1592-CZN010.
3. SEE DP-5 F1592-MPP100 SERIES SHEETS FOR SEWER CONNECTIONS.
4. SEE DP-5 F1592-MEP100 FOR WATER CONNECTIONS.
5. SEE DP-2 F1592-LRP103 FOR IRRIGATION CONNECTIONS.
6. SEE DP-5 F1592-ESP02 FOR ELECTRICAL CONNECTIONS.
7. SEE DP-2 F1592-BNP010 FOR GROUND IMPROVEMENTS.
8. FOR OIL WATER SEPARATOR AND SUMP SEE DP-5 F1592-MPD901 DETAIL 1. SEE F1592-UCV021 FOR PROFILE.
9. FOR OIL WATER SEPARATOR SEE DP-5 F1592-MPD901 DETAIL 2. SEE F1592-UCV021 FOR PROFILE.
10. 4 INCH VENT FOR ROUTING AND INVERT ELEVATION, SEE DP-5 F1592-MPP100.
12. FIELD FIT CONDUIT AROUND P15.
13. CUT CENTURYLINK RISER AND ROUTE 4" CONDUIT TO VAULT, BRING 4" CONDUIT FROM VAULT AND RISER UP P15.

CONSTRUCTION NOTES:

1. CONST 6" PVC SAMPLING TEE PER COP STD 04.03.04
2. CONST SIDE SEWER MAIN TAP PER COP STD 04.02.01
3. CONST CLEANOUT PER COP STD 04.03.04
4. 60" ID MH STRUCTURE WITH FLAT TOP AND 48" MH OPENING, LID SHALL BE RATED FOR HS-20 LOADING
5. CONST 6" PVC SIDE SEWER
6. CONST 48" MH PER COP STD 04.01.01
7.
8. CONST DI 6" RESILIENT WEDGE GATE VALVE
9. INSTALL TO GRADE 750KVA PAD MOUNTED TRANSFORMER 7'X7'X4' WITH AN 8'X8' LID PROVIDED BY PSE
10. CONST 1" WATER SVC PER COP STD 03.03.01
11. CONST DI 6" FIRE SVC, WRAP IN 8 MIL POLYTHLENE PER SPECS
12. CONST 2" DOM WATER SVC PER COP STD 03.03.02
13. CONST 2" OR SMALLER DCVA PER COP STD 03.04.01
14. CONST 8" DI WATER MAIN PER COP STD 03.01.01
15. CONST FH PER COP STD 03.05.01
16. CONST THRUST BLK PER COP STD'S 03.03.01-1 & 03.02.01-3
17. 4" DI

CONSTRUCTION NOTES (CONT'D):

20. CONNECT TO EXIST 8" MAIN WITH TAPPING SLEEVE
21. CONNECT TO EXIST 10" MAIN WITH TAPPING SLEEVE
22. CONST PIV PER COP STD 03.10.03
23. CONST VALVE PER COP STD 03.01.01
24. CONTRACTOR TO PROVIDE METER PER COP SPEC 301.3 #2
25. INSTALL TO GRADE 7'X4'8"X4' VAULT SUPPLIED BY PSE

CONSTRUCTION NOTES (CONT'D):

26. INSTALL 4" PVC CONDUIT SUPPLIED BY PSE
27. INSTALL 17"W X 30"L X 24"H VAULT
28. INSTALL 4" PVC CONDUIT
29. CONST DCVA PER COP STD 03.04.01
30. CONST 2" COPPER TYPE K WATER LINE
31. 4" TO 6" REDUCER
32. CONST 6" PVC WYE CONNECTION TO EXIST 6" SIDE SEWER
33. SIDE SEWER CLEAN OUT COVER IN DRIVEWAY PER COP STD 04.03.05

20 10 0 20 40
SCALE IN FEET

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	04/17/2023	SGR	JGM	JGM	FINAL AS-BUILT

DESIGNED BY: S. KIRBY
DRAWN BY: J. CURTIS
CHECKED BY: J. MATTHEWS
APPROVED BY: J. MATTHEWS

kpff | HENSEL PHELPS Plan. Build. Manage. kpff | SOUNDTRANSIT

LINE IS 1" AT FULL SCALE

SUBMITTED BY:	DATE:	REVIEWED BY:	DATE:
SARA ROBERTS	04/17/2023	GREG SHIMIZU	04/17/2023

SCALE: 1"=20'
FILENAME: S317-F1592-UCP203
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 04/17/2023

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS

UTILITIES
COMPOSITE UTILITY PLAN

DRAWING No.: F1592-UCP203
FACILITY ID: F1592
SHEET No.: 121
REV: 0

05/04/23 | 3:21 PM | JONC
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CONST 44" OIL WATER SEPARATOR

Xrefs:
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xS317-F1592-VRX10
xS317-F1592-CSP10
xS317-F1592-CDP10
xS317-F1592-UPP10
xS317-F1592-UWP10
xGB-TB22x34

3RD ST NW

W STEWART AVE

R01 25+00 R01 26+00 R01 27+00 R01 28+00 R01 29+00

48" SDMH
RIM=46.00
12" CHANNEL (E-W) IE=35.65

6' CHAIN LINK FENCE w/ 3 STRAND BARBED WIRE

CB TYPE 1
RIM=46.67
8" DI (SE) IE=44.79
BOTTOM=43.37

CB TYPE 1
RIM=46.67
8" DI (NW) IE=44.67
12" DI (SE) IE=44.67
BOTTOM=42.97

CB TYPE 1
RIM=46.89
12" DI (NW) IE=44.34
12" DI (SW) IE=44.29
BOTTOM=42.59

CB TYPE 1
RIM=47.27
8" DI (SW) IE=
BOTTOM=43.

48" SDMH
RIM=49.02
8"" PVC w/ GATE & VERT
8" PVC OUT TOP (SW) IE GATE=43.32
TOP OF VERT 8"=46.97
16" PVC (NE) IE=43.22
12" PVC (SE) IE=43.21
BOTTOM=41.12

CB TYPE 2
RIM=49.08
12" DI (NE) IE=43.95
12" DI (SE) IE=43.78
BOTTOM=42.08

48" CB TYPE 2
RIM=49.30
12" DI (NW) IE=
12" PVC (N) IE
BOTTOM=41.50

4' CHAIN LINK FENCE

BURLINGTON NORTHERN RAILROAD

P02 32+54.71, 5.93' LT
SLEEVE

P02 33+82

P02 33+00

P02 32+00

P02 32+50.53, 6.69' LT
11.25° DI BEND (MJ)

MATCHLINE: STA 00+00 SEE DWG F1592-UCP203

CB TYPE 1
RIM=48.07
8" PVC (NW) IE=43.37
12" PVC (NE) IE=43.37
12" PVC (SW) IE=43.37
BOTTOM=41.97

CB TYPE 1
RIM=48.27
8" PVC (SE) IE=44.47
BOTTOM=43.12

CB TYPE 1
RIM=48.83
12" PVC (NW) IE=43.03
6" PVC (SE) IE=42.98
6" PVC (SW) IE=43.03
BOTTOM=41.63

CB TYPE 1
RIM=48.58
12" UNK (NW) IE=42.48
12" PVC (SE) IE=42.43
BOTTOM=41.08

CB TYPE 1
RIM=46.02
12" DI (NE) IE=43.82
4" DI (SE) IE=44.22
BOTTOM=42.12

10"X10" AREA DRAIN
RIM=46.09
4" DI (NW) IE=45.24
BOTTOM=45.19

10" DEC
22" DRIP
UNKNOWN MH (MILKY WHITE LIQUID IN PIPE)
RIM=48.75
8" VERT PIPE TOP=42.35

UNKNOWN MH (MILKY WHITE LIQUID IN PIPE)
RIM=48.78
VERT PIPE TOP=42.18

9" WIDE WOOD BORDER

FEATURES NOT SURVEYED LOCATED DURING FIELD WALK 9/2021

NOTES:

1. FOR GENERAL NOTES, SEE DRAWING F1592-CZN001.
2. FOR SYMBOLS AND LEGENDS, SEE DRAWING F1592-CZN010.

CONSTRUCTION NOTES:

(14) CONST 8" DI WATER MAIN PER COP STD 03.01.01

( ) CONST THRUST BLK PER COP STD 03.03.01-1 & 03.02.01-3

(20) CONNECT TO EXIST 8" MAIN

20 10 0 20 40
SCALE IN FEET

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	04/17/2023	SGR	JGM	JGM	FINAL AS-BUILT

DESIGNED BY: S. KIRBY
DRAWN BY: J. CURTIS
CHECKED BY: J. MATTHEWS
APPROVED BY: J. MATTHEWS

kpff

HENSEL PHELPS
Plan. Build. Manage.
kpff

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT

SUBMITTED BY: SARA ROBERTS
DATE: 04/17/2023
REVIEWED BY: GREG SHIMIZU
DATE: 04/17/2023

SCALE: 1"=20'
FILENAME: S317-F1592-UCP204
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 04/17/2023

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
UTILITIES
COMPOSITE UTILITY PLAN

DRAWING No.: F1592-UCP204
FACILITY ID: F1592
SHEET No.: 122
REV: 0

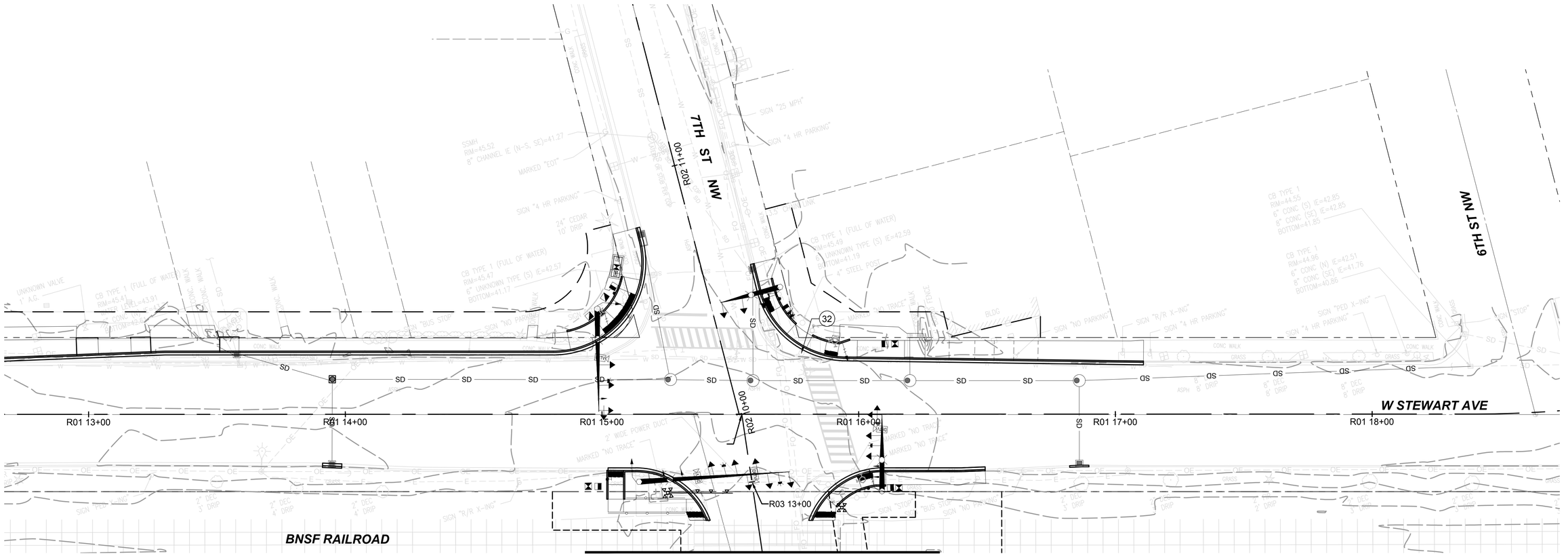
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Xrefs:
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xS317-F1592-VRX100
xS317-F1592-CSP100
xS317-F1592-CDP100
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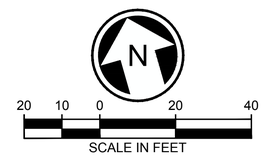
1. FOR GENERAL NOTES, SEE DRAWING F1592-CZN001.
2. FOR LEGENDS AND SYMBOLS, SEE DRAWING F1592-CZN010.

CONSTRUCTION NOTES:

(32) PSE TO RMV PP, NIC



MATCHLINE: STA R03 12+72.10 SEE DWG F1592-UCP302



GENERAL NOTES:

No.	DATE	DSN	CHK	APP	REVISION
0	04/17/2023	BSP	JGM	JGM	FINAL AS-BUILT

FINAL AS-BUILT

DESIGNED BY: B. PILON
DRAWN BY: J. CURTIS
CHECKED BY: J. MATTHEWS
APPROVED BY: J. MATTHEWS

kpff
SUBMITTED BY: SARA ROBERTS
DATE: 04/17/2023

HENSEL PHELPS Plan. Build. Manage.
kpff
REVIEWED BY: GREG SHIMIZU
DATE: 04/17/2023

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT
SCALE: 1"=20'
FILENAME: S317-F1592-UCP301
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 04/17/2023

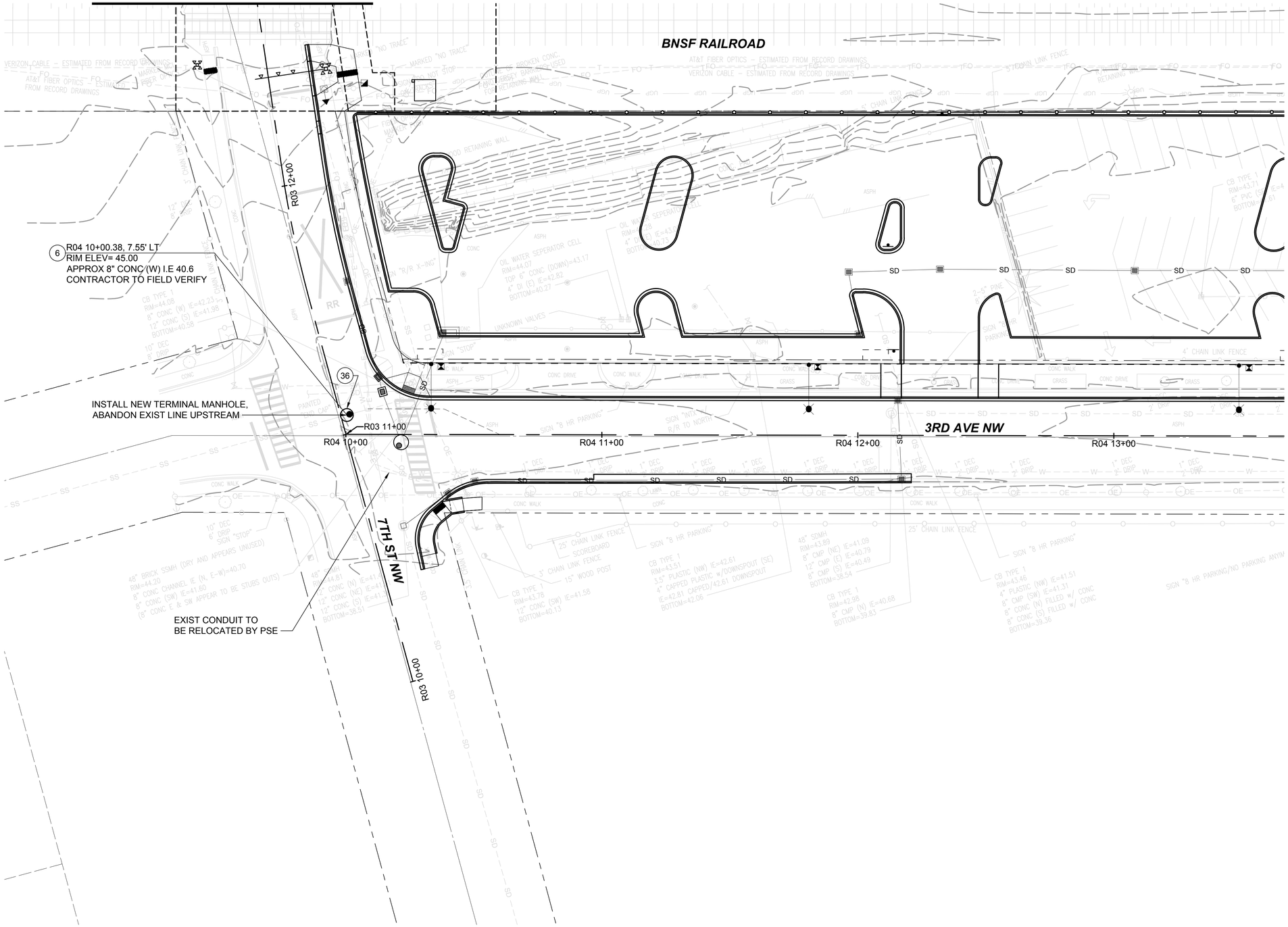
PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
UTILITY
COMPOSITE UTILITY PLAN

DRAWING No.: F1592-UCP301
FACILITY ID: F1592
SHEET No.: 123
REV: 0

06/26/23 | 1:36 PM | JONC
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Xrefs:
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xS317-F1592-VRX100
xS317-F1592-CSP100
xS317-F1592-CDP100
xS317-F1592-UPP100
xS317-F1592-UWP100
xGB-TB22x34
xS317-F1592-UCP100
xS317-F1592-TSP100
xS317-F1592-CLP100

MATCHLINE: STA R03 12+72.10 SEE DWG F1592-UCP301



GENERAL NOTES:

1. FOR GENERAL NOTES, SEE DRAWING F1592-CZN001.
2. FOR LEGENDS AND SYMBOLS, SEE DRAWING F1592-CZN010.

CONSTRUCTION NOTES:

(6) CONST 48" MH PER COP STD 04.01.01. TERMINAL TO EXISTING LINE AND ADJUST LOCATION TO PROVIDE MIN 5 FT EDGE TO EDGE CLEARANCE FROM WM

(36) ABANDON UPSTREAM SEWER LINE

N

20 10 0 20 40
SCALE IN FEET

09/01/23 | 8:44 AM | JONC
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FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	04/17/2023	BSP	JGM	JGM	FINAL AS-BUILT

DESIGNED BY: B. PILON
DRAWN BY: J. CURTIS
CHECKED BY: J. MATTHEWS
APPROVED BY: J. MATTHEWS

kpff
SUBMITTED BY: SARA ROBERTS
DATE: 04/17/2023

HENSEL PHELPS Plan. Build. Manage. kpff
REVIEWED BY: GREG SHIMIZU
DATE: 04/17/2023

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT
SUBMITTAL DATE: 04/17/2023

SCALE: 1"=20'
FILENAME: S317-F1592-UCP302
CONTRACT No.: RTA/CN 0612-18

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
UTILITY
COMPOSITE UTILITY PLAN

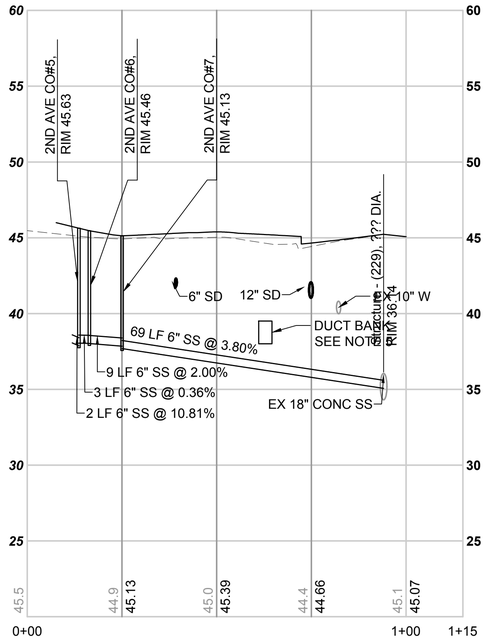
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FACILITY ID: F1592
SHEET No.: 124
REV: 0

CONSTRUCTION NOTES:

Xrefs:
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xS317-F1592-VRX100

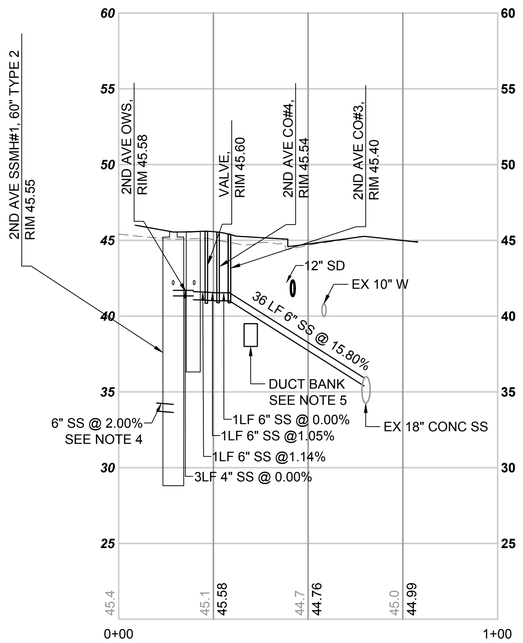
NOTES:

1. FOR SYMBOLS ABBREVIATIONS AND LEGENDS SEE DRAWING F1592-CZN010.
2. KEEP 1' CLEAR OF ALL UTILITIES.
3. RISER RINGS WILL BE REQUIRED TO ADJUST TO GRADE.
4. SEE DRAWING F1592-MPP100 IN DP-5 FOR MORE INFORMATION.
5. PLACE ETHAFOAM BLOCK BETWEEN SEWER AND DUCTBANK.

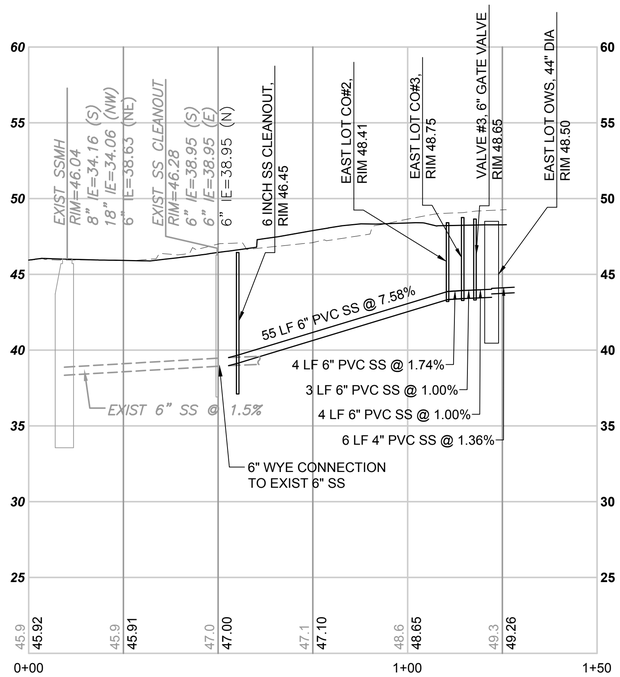


2ND AVE NW & 5TH ST NW (WEST)

SCALE: H: 1"=20' V: 1"=5'



SCALE: H: 1"=20' V: 1"=5'



5TH ST NW CROSSING (NORTH)

SCALE: H: 1"=20' V: 1"=5'

LOT & 5TH ST NW (SOUTH)

05/04/23 | 3:22 PM | JONC
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FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	04/17/2023	SGR	JGM	JGM	FINAL AS-BUILT

DESIGNED BY: S. GUJULUVA RAJAN
DRAWN BY: J. CURTIS
CHECKED BY: J. MATTHEWS
APPROVED BY: J. MATTHEWS

kpff
HENSEL PHELPS Plan. Build. Manage.
kpff

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT

SUBMITTED BY: SARA ROBERTS
DATE: 04/17/2023
REVIEWED BY: GREG SHIMIZU
DATE: 04/17/2023

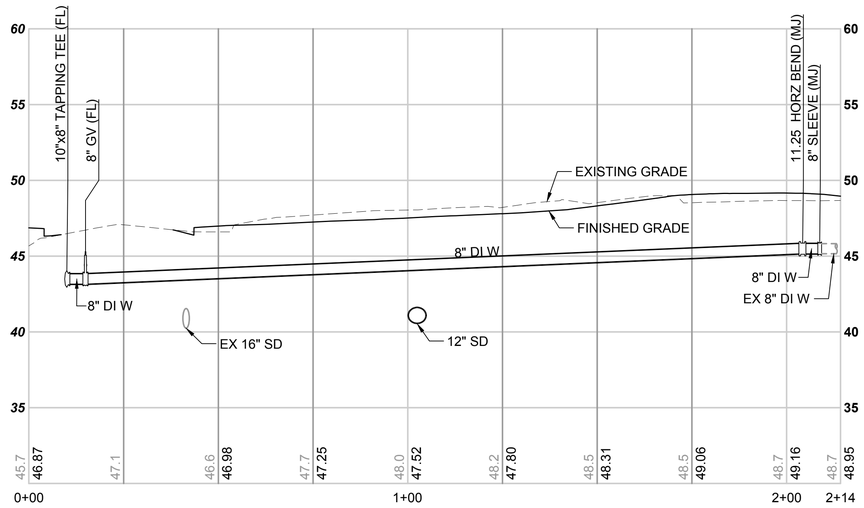
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CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 04/17/2023

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS

UTILITY
COMPOSITE PROFILES

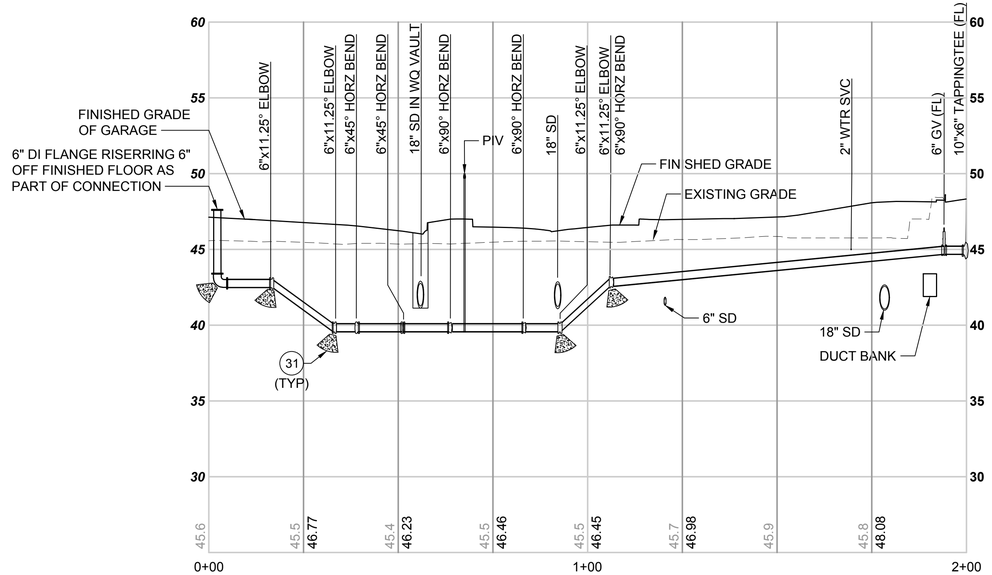
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FACILITY ID: F1592
SHEET No.: 125
REV: 0

Xrefs:
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xGB-TB22x34
xS317-F1592-UPP10



5TH ST NW CROSSING (NORTH)

SCALE: H: 1"=20' V: 1"=5'



SCALE: H: 1"=20' V: 1"=5'

CONSTRUCTION NOTES:

(31) CONST VERTICAL THRUST BLOCK, PER COP STD PLAN 03.02.01-1

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	04/17/2023	SGR	JGM	JGM	FINAL AS-BUILT

DESIGNED BY: S. GUJULUVA RAJAN
DRAWN BY: J. CURTIS
CHECKED BY: J. MATTHEWS
APPROVED BY: J. MATTHEWS

kpff

HENSEL PHELPS
Plan. Build. Manage.
kpff

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT

SUBMITTED BY:	DATE:	REVIEWED BY:	DATE:
SARA ROBERTS	04/17/2023	GREG SHIMIZU	04/17/2023

SCALE: AS NOTED
FILENAME: S317-F1592-UCV022
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 04/17/2023

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS

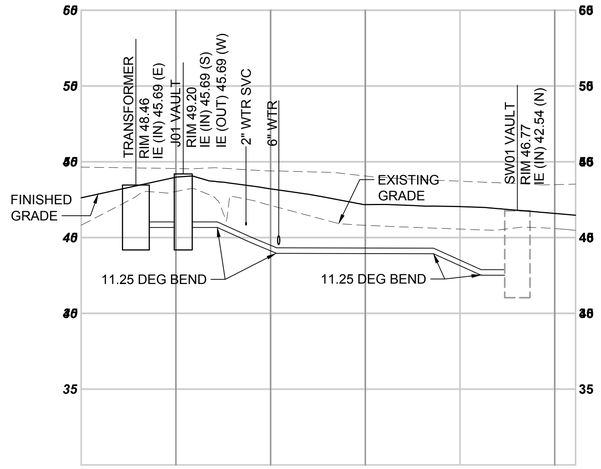
UTILITIES
COMPOSITE PROFILES

DRAWING No.: **F1592-UCV022**
FACILITY ID: F1592
SHEET No.: 126
REV: 0

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GARAGE 6" FIRE SERVICE

Xrefs:
xGB-TB22x34
xS317-F1592-VRX10
xS317-F1592-UPP10
xS317-F1592-UWP10



SCALE: H: 1"=20' V: 1"=5'

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	04/17/2023	SGR	JGM	JGM	FINAL AS-BUILT

DESIGNED BY: S. GUJULUVA RAJAN
DRAWN BY: J. CURTIS
CHECKED BY: J. MATTHEWS
APPROVED BY: J. MATTHEWS

kpff

HENSEL PHELPS
Plan. Build. Manage.
kpff

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT

SUBMITTED BY: SARA ROBERTS
DATE: 04/17/2023
REVIEWED BY: GREG SHIMIZU
DATE: 04/17/2023

SCALE: AS NOTED
FILENAME: S317-F1592-UCV023
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 04/17/2023

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS

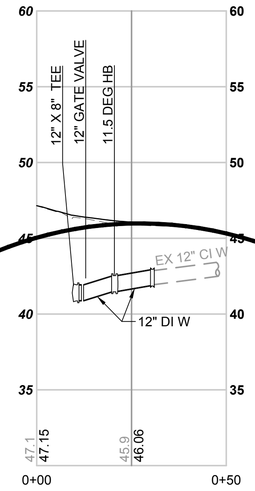
UTILITY
COMPOSITE PROFILES

DRAWING No.: F1592-UCV023
FACILITY ID: F1592
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REV: 0

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LOT & 5TH ST NW (NORTH)

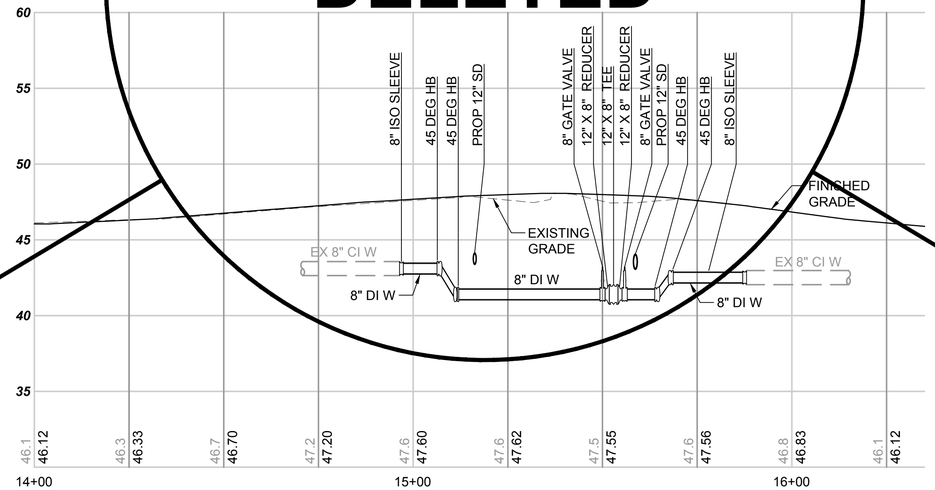
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xGB-TB22x34



W STEWART AVE & 7TH ST NW

SCALE: H: 1"=20' V: 1"=5'

DELETED



SCALE: H: 1"=20' V: 1"=5'

W STEWART AVE

06/26/23 | 1:27 PM | JONC
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FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	04/17/2023	BSP	JGM	JGM	FINAL AS-BUILT

DESIGNED BY: B. PILON
DRAWN BY: J. CURTIS
CHECKED BY: J. MATTHEWS
APPROVED BY: J. MATTHEWS

kpff

HENSEL PHELPS
Plan. Build. Manage.
kpff

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT

SUBMITTED BY: SARA ROBERTS
DATE: 04/17/2023
REVIEWED BY: GREG SHIMIZU
DATE: 04/17/2023

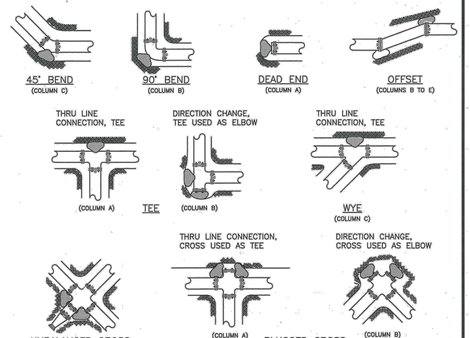
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CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 04/17/2023

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
UTILITY
COMPOSITE UTILITY PROFILE

DRAWING No.: F1592-UCV031
FACILITY ID: F1592
SHEET No.: 128
REV: 0

Xrefs:
xGB-TB22x34

NOTE: DRAWINGS DEPICT BLOCK LOCATION, NOT SIZE.
FOR SIZE SEE NOTES 3, 4, 5, AND CITY STD. 03.02.01-3



NOTES:

1. THE FOLLOWING PRECAUTIONS MUST BE OBSERVED WHEN CONSTRUCTING THRUST BLOCKS:
   A. BLOCKS MUST BE POURED OR PLACED AGAINST UNDISTURBED SOIL.
   B. THE PIPE FITTING(S) AND BOLTS MUST BE ACCESSIBLE. WRAP IN PLASTIC BEFORE POURING CONCRETE BLOCKING.
   C. CONCRETE SHOULD BE CURED FOR AT LEAST 5 DAYS AND SHOULD HAVE A MINIMUM COMPRESSION STRENGTH OF 3,000 PSI AT 28 DAYS.
   D. RESTRAINED JOINTS SHALL BE INSTALLED, IN ADDITION TO CONCRETE THRUST BLOCKING.
   E. BLOCKS MUST BE POSITIONED TO COUNTERACT THE DIRECTION OF THE RESULTANT THRUST FORCE.
2. ALL PIPE SHALL BE PROPERLY BEDDED, SEE CITY OF PUYALLUP STANDARD BEDDING DETAIL NO. 06.01.01.
3. CONTRACTOR TO PROVIDE BLOCKING ADEQUATE TO WITHSTAND FULL TEST PRESSURE.
4. DIVIDE THRUST BY SAFE BEARING LOAD TO DETERMINE REQUIRED AREA (IN SQUARE FEET) OF CONCRETE TO DISTRIBUTE LOAD.
5. BEARING SURFACE AREAS TO BE ADJUSTED BY THE ENGINEER FOR OTHER PRESSURE AND/OR SOIL CONDITIONS.

CITY OF PUYALLUP OFFICE of THE CITY ENGINEER | APPROVED FOR PUBLICATION 2/5/2019 | HORIZONTAL THRUST BLOCKING | (NOT TO SCALE) | CITY STANDARD 03.02.01-1

FILE NAME: P:\DRAWINGS\STANDARDS\03.00.00 STANDARDS\03.02.01 STANDARDS\03.02.01-1 HORIZONTAL THRUST BLOCKING.DWG

TABLE 2: THRUST AT FITTINGS AT 200 PSI

SIZE	TEST PRESSURE (PSI)	THRUST FITTINGS AT 200 PSI A: TEE AND DEAD ENDS	B: 90° BEND	C: 45° BEND	D: 22.5° BEND	E: 11.25° BEND
4"	200	3,140	4,440	2,405	1,225	615
6"	200	7,070	9,995	5,410	2,760	1,385
8"	200	12,565	17,770	9,620	4,905	2,465
10"	200	19,635	27,770	15,030	7,660	3,850
12"	200	28,275	39,985	21,640	11,030	5,545
14"	200	38,485	54,425	29,455	15,015	7,545
16"	200	50,265	71,085	38,470	19,615	9,855

TABLE 3: BEARING VALUE OF SOIL

SOIL TYPE	SAFE BEARING LOAD LBS/SF
MUCK, PEAT, ETC.	0
SOFT CLAY/ALLUVIAL SOIL	1,000
SAND	2,000
SAND AND GRAVEL	3,000
SAND AND GRAVEL CEMENTED WITH CLAY	4,000
HARD SHALE	10,000

SEE CITY STANDARDS 03.02.01-1 AND 03.02.01-2 FOR ADDITIONAL INFORMATION.

NOTES:

① TO DETERMINE THRUST AT PRESSURES OTHER THAN PSI SHOWN, MULTIPLY THE THRUST OBTAINED IN TABLE 2 BY THE RATIO OF THE PRESSURE TO 200 PSI.
EXAMPLE:
THE THRUST ON A 12 INCH, 90° BEND AT 300 PSI.
39,985 X 300 PSI / 200 PSI = 59,978 LBS

② TO DETERMINE THE BEARING AREA OF THE THRUST BLOCK IN SQUARE FEET (SF):
SEE TABLE 3, BEARING VALUE OF SOIL
EXAMPLE:
FOR SAND AND GRAVEL BEARING VALUE FROM TABLE 3 IS 3,000 LBS/SF
59,978 LBS ÷ 3000 LB/SF = 20 SF OF AREA

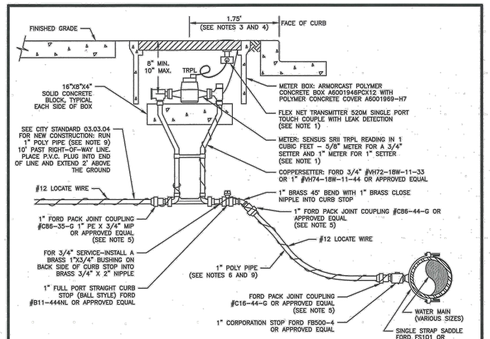
③ CONTRACTOR TO PROVIDE BLOCKING ADEQUATE TO WITHSTAND FULL TEST PRESSURE

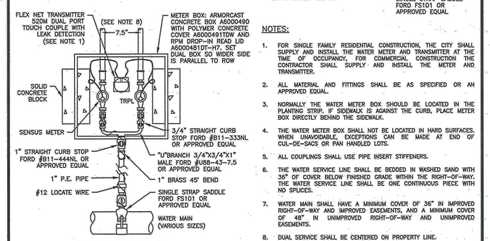
④ AREAS SHALL BE ADJUSTED FOR OTHER PRESSURE CONDITIONS.

⑤ NO WATER MAIN SHALL DEAD END AGAINST A MAIN LINE VALVE. DEAD END WATER MAINS SHALL BE BLOCKED AGAINST A RESTRAINED MECHANICAL JOINT (M.J.) PLUG OR CAP.

CITY OF PUYALLUP OFFICE of THE CITY ENGINEER | APPROVED FOR PUBLICATION 2/5/2019 | THRUST BLOCKING TABLE | (NOT TO SCALE) | CITY STANDARD 03.02.01-3

FILE NAME: P:\DRAWINGS\STANDARDS\03.00.00 STANDARDS\03.02.01 STANDARDS\03.02.01-3 THRUST BLOCKING TABLE.DWG





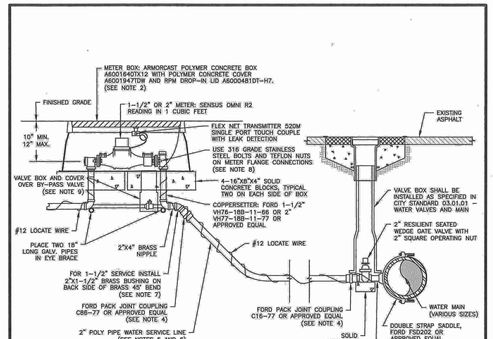
DUAL SERVICE CONNECTION

NOTES:

1. FOR SINGLE FAMILY RESIDENTIAL CONSTRUCTION, THE CITY SHALL SUPPLY AND INSTALL THE METER AND TRANSMITTER AT THE TIME OF OCCUPANCY. FOR COMMERCIAL CONSTRUCTION THE CONTRACTOR SHALL SUPPLY AND INSTALL THE METER AND TRANSMITTER.
2. ALL MATERIAL AND FITTINGS SHALL BE AS SPECIFIED OR AN APPROVED EQUAL.
3. NORMALLY THE WATER METER BOX SHOULD BE LOCATED IN THE PLANTING STRIP. IF SIDEWALK IS AGAINST THE CURB, PLACE METER BOX DIRECTLY BEHIND THE SIDEWALK.
4. THE WATER METER BOX SHALL NOT BE LOCATED IN HARD SURFACES. WHEN UNAVOIDABLE, EXCEPTIONS CAN BE MADE AT END OF CUL-DE-SACS OR PAN HANDLED LOTS.
5. ALL COUPLINGS SHALL USE PIPE INSERT STIFFENERS.
6. THE WATER SERVICE LINE SHALL BE BEDDED IN WASHED SAND WITH 36" OF COVER BELOW FINISHED GRADE WITHIN THE RIGHT-OF-WAY. THE WATER SERVICE LINE SHALL BE ONE CONTINUOUS PIECE WITH NO SPLICES.
7. WATER MAIN SHALL HAVE A MINIMUM COVER OF 36" IN IMPROVED RIGHT-OF-WAY AND IMPROVED EASEMENTS, AND A MINIMUM COVER OF 48" IN UNIMPROVED RIGHT-OF-WAY AND UNIMPROVED EASEMENTS.
8. DUAL SERVICE SHALL BE CENTERED ON PROPERTY LINE.
9. ALL POLY PIPE SHALL BE HIGH DENSITY POLY (IRON PIPE SIZE) MEETING ASTM D-2239-SIDR 7, BLUE IN COLOR, 200 PSI MINIMUM.

CITY OF PUYALLUP OFFICE of THE CITY ENGINEER | APPROVED FOR PUBLICATION 2/5/2019 | 3/4" OR 1" WATER SERVICE CONNECTION | (NOT TO SCALE) | CITY STANDARD 03.03.01

FILE NAME: P:\DRAWINGS\STANDARDS\03.00.00 STANDARDS\03.03.00 STANDARDS\03.03.01 3-4 OR 1 WATER SERVICE CONNECTION.DWG

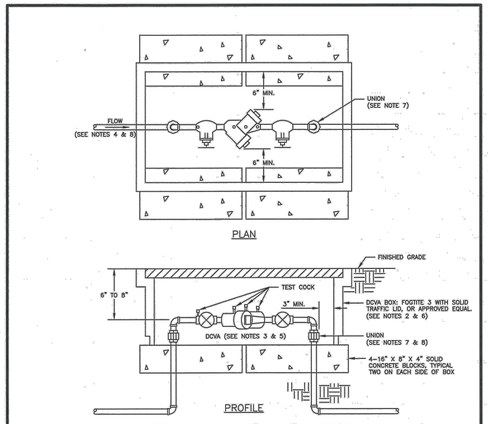


NOTES:

1. ALL MATERIALS AND FITTINGS SHALL BE AS SPECIFIED OR AN APPROVED EQUAL.
2. NORMALLY THE WATER METER BOX SHOULD BE LOCATED IN THE PLANTING STRIP. IF SIDEWALK IS AGAINST THE CURB, PLACE METER BOX DIRECTLY BEHIND THE SIDEWALK. THE WATER METER BOX SHALL NOT BE LOCATED IN HARD SURFACES. WHEN UNAVOIDABLE, EXCEPTIONS CAN BE MADE AT END OF CUL-DE-SACS OR PAN HANDLED LOTS.
3. WATER MAINS SHALL HAVE A MINIMUM COVER OF 36" IN IMPROVED RIGHT-OF-WAY AND IMPROVED EASEMENTS, AND A MINIMUM OF 48" IN UNIMPROVED RIGHT-OF-WAY AND UNIMPROVED EASEMENTS.
4. ALL POLY PIPE COUPLINGS SHALL USE PIPE INSERT STIFFENERS.
5. THE WATER SERVICE LINE SHALL BE BEDDED IN WASHED SAND WITH 36" OF COVER BELOW FINISHED GRADE WITHIN THE RIGHT-OF-WAY. THE WATER SERVICE LINE SHALL BE ONE CONTINUOUS PIECE WITH NO SPLICES.
6. ALL POLY PIPE SHALL BE HIGH DENSITY POLY (IRON PIPE SIZE) MEETING ASTM D-2239-SIDR 7, BLUE IN COLOR, 200 PSI MINIMUM.
7. FOR A 1-1/2" WATER SERVICE, ALL MATERIAL SHALL BE 2" FROM THE WATER MAIN TO THE COPPERSETTER. REDUCE FROM 2" TO 1-1/2" IMMEDIATELY BEFORE COPPERSETTER.
8. THE STAINLESS STEEL METER FLANGE BOLTS SHALL BE 5/8" DIAMETER FOR THE 1-1/2" METER, AND 3/4" DIAMETER FOR THE 2" METER.
9. PROVIDE A 6" CIRCULAR VALVE BOX WITH COVER (APPLIED ENGINEERING PRODUCT MODEL 708 WITH GREEN LID OR AN APPROVED EQUAL) OVER BY-PASS VALVE.

CITY OF PUYALLUP OFFICE of THE CITY ENGINEER | APPROVED FOR PUBLICATION 10/15/2019 | 1-1/2" AND 2" WATER SERVICE CONNECTION | (NOTED SCALE) | CITY STANDARD 03.03.02

FILE NAME: P:\DRAWINGS\STANDARDS\03.00.00 STANDARDS\03.03.00 STANDARDS\03.03.02 1-1-2 AND 2 WATER SERVICE CONNECTION.DWG

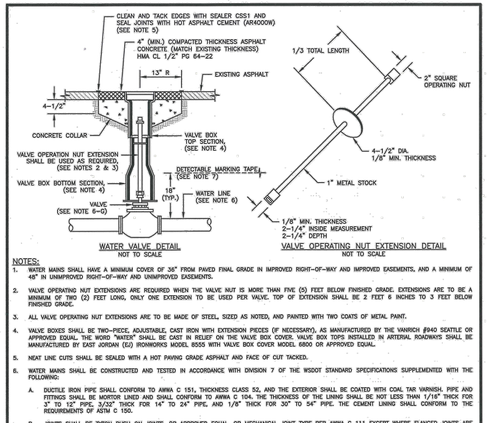


NOTES:

1. BACKFLOW ASSEMBLY MUST BE SELECTED FROM WASHINGTON STATE DEPARTMENT OF HEALTH'S LIST OF BACKFLOW PREVENTION ASSEMBLIES APPROVED FOR INSTALLATION IN WASHINGTON STATE, LATEST EDITION.
2. THE DCVA SHALL BE INSTALLED WITH ADEQUATE SPACE TO FACILITATE MAINTENANCE AND TESTING. IT SHALL BE TESTED AFTER INSTALLATION, BY A WASHINGTON STATE CERTIFIED BACK-FLOW ASSEMBLY TESTER, TO INSURE ITS SATISFACTORY OPERATION BEFORE OCCUPANCY, AND ANNUALLY THEREAFTER. SEND TEST RESULTS TO: CITY OF PUYALLUP, WATER QUALITY OPERATIONS, 1100 39TH AVE SE, PUYALLUP, WA 98374.
3. DCVA MUST BE PURCHASED AS A UNIT. NO MODIFICATIONS TO THE ASSEMBLY ARE ALLOWED.
4. DCVA SHALL BE PLACED IMMEDIATELY DOWNSTREAM OF WATER METER. WHEN IRRIGATION SYSTEM IS CONNECTED OFF DOMESTIC WATER LINE, IRRIGATION DCVA SHALL BE PLACED IMMEDIATELY DOWNSTREAM OF THE BRANCH CONNECTION.
5. DCVA SHALL BE SIZED EQUAL OR COMPARABLE TO METER SIZE.
6. METER BOX SHALL BE LARGE ENOUGH TO ALLOW THE MINIMUM SETBACKS ILLUSTRATED ABOVE. METER BOX LID SHALL BE A TRAFFIC LID WITH A H-20 LOADING.
7. DIELECTRIC UNIONS MUST BE USED TO SEPARATE DISSIMILAR MATERIALS.
8. USE ONLY BRASS OR COPPER BETWEEN THE METER AND THE UNION ON THE CUSTOMER'S SIDE OF THE DCVA.

CITY OF PUYALLUP OFFICE of THE CITY ENGINEER | APPROVED FOR PUBLICATION 2/5/2019 | 2" AND SMALLER DOUBLE CHECK VALVE ASSEMBLY INSTALLATION | (NOT TO SCALE) | CITY STANDARD 03.04.01

FILE NAME: P:\DRAWINGS\STANDARDS\03.00.00 STANDARDS\03.04.00 STANDARDS\03.04.01 2 AND SMALLER DOUBLE CHECK VALVE ASSEMBLY INSTALLATION.DWG

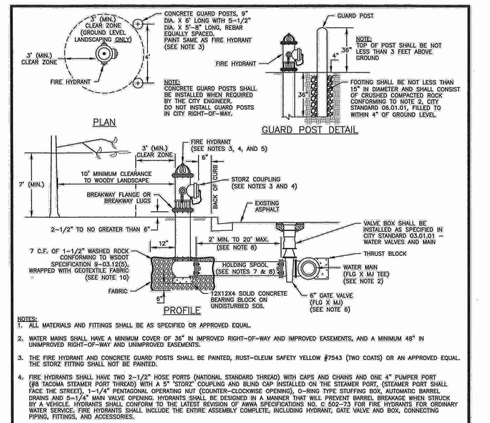


NOTES:

1. WATER MAINS SHALL HAVE A MINIMUM COVER OF 36" FROM PAVED FINAL GRADE IN IMPROVED RIGHT-OF-WAY AND IMPROVED EASEMENTS, AND A MINIMUM OF 48" IN UNIMPROVED RIGHT-OF-WAY AND UNIMPROVED EASEMENTS.
2. VALVE OPERATING NUT EXTENSIONS ARE REQUIRED WHEN THE VALVE NUT IS MORE THAN FIVE (5) FEET BELOW FINISHED GRADE. EXTENSIONS ARE TO BE A MINIMUM OF TWO (2) FEET LONG. ONLY ONE EXTENSION TO BE USED PER VALVE. TOP OF EXTENSION SHALL BE 2 FEET 6 INCHES TO 3 FEET BELOW FINISHED GRADE.
3. ALL VALVE OPERATING NUT EXTENSIONS ARE TO BE MADE OF STEEL, SIZED AS NOTED, AND PAINTED WITH TWO COATS OF METAL PAINT.
4. VALVE BOXES SHALL BE TWO-PIECE, ADJUSTABLE, CAST IRON WITH EXTENSION PIECES (IF NECESSARY), AS MANUFACTURED BY THE VANRICH #940 SEATTLE OR APPROVED EQUAL. THE WORD "WATER" SHALL BE CAST IN RELIEF ON THE VALVE BOX COVER. VALVE BOX TOPS INSTALLED IN ARTERIAL ROADWAYS SHALL BE MANUFACTURED BY EAST JORDAN (EJ) IRONWORKS MODEL 8005 WITH VALVE BOX COVER MODEL 8800 OR APPROVED EQUAL.
5. NEAT LINE CUTS SHALL BE SEALED WITH A HOT PAVING GRADE ASPHALT AND FACE OF CUT TACKED.
6. WATER MAINS SHALL BE CONSTRUCTED AND TESTED IN ACCORDANCE WITH DIVISION 7 OF THE WSDOT STANDARD SPECIFICATIONS SUPPLEMENTED WITH THE FOLLOWING:
   A. DUCTILE IRON PIPE SHALL CONFORM TO AWWA C 151, THICKNESS CLASS 52, AND THE EXTERIOR SHALL BE COATED WITH COAL TAR VARNISH. PIPE AND FITTINGS SHALL BE MORTOR LINED AND SHALL CONFORM TO AWWA C 104. THE THICKNESS OF THE LINING SHALL BE NOT LESS THAN 1/16" THICK FOR 3" TO 12" PIPE, 3/32" THICK FOR 14" TO 24" PIPE, AND 1/8" THICK FOR 30" TO 54" PIPE. THE CEMENT LINING SHALL CONFORM TO THE REQUIREMENTS OF ASTM C 150.
   B. JOINTS SHALL BE TYPEN PUSH-ON JOINTS, OR APPROVED EQUAL, OR MECHANICAL JOINT TYPE PER AWWA C 111 EXCEPT WHERE FLANGED JOINTS ARE REQUIRED TO CONNECT TO VALVES OR OTHER EQUIPMENT.
   C. BOLTS AND NUTS FOR BURIED FLANGES LOCATED OUTDOORS, ABOVE GROUND, OR IN OPEN VAULTS IN STRUCTURES SHALL BE TYPE 316 STAINLESS STEEL CONFORMING TO ASTM A 193, GRADE B8M FOR BOLTS, AND ASTM A 194, GRADE 8M FOR NUTS. BOLTS AND NUTS LARGER THAN ONE AND ONE-QUARTER (1-1/4) INCHES SHALL BE STEEL, ASTM A 307, GRADE B, WITH CADMIUM PLATING, ASTM A 165, TYPE NS.
   D. BOLTS USED IN FLANGE INSTALLATION SETS SHALL CONFORM TO ASTM B 193, GRADE B7. NUTS SHALL COMPLY WITH ASTM A 194, GRADE 2H.
   E. PROVIDE A WASHER FOR EACH NUT, WHERE NEEDED. WASHERS SHALL BE OF THE SAME MATERIAL AS THE NUTS.
   F. ALL FITTINGS SHALL CONFORM TO THE REQUIREMENTS OF AWWA C 110 AND AWWA C 111.
   G. RESILIENT SEATED WEDGE GATE VALVES SHALL BE USED FOR TEN (10) INCH MAINS AND SMALLER. BUTTERFLY VALVES SHALL BE USED FOR MAINS GREATER THAN TEN (10) INCHES.
      1) RESILIENT SEATED WEDGE GATE VALVE: GATE VALVES SHALL CONFORM TO THE LATEST AWWA SPECIFICATIONS FOR COLD WATER, DOUBLE-DISK GATE VALVES, 200 PSI WORKING PRESSURE. THEY SHALL BE IRON-BODIED BRONZE-MOUNTED, NON-RISING STEM, COUNTER-CLOCKWISE OPENING, MECHANICAL JOINT BY FLANGED. VALVE STEMS SHALL BE PROVIDED WITH O-RING SEALS AND SHALL BE AS MANUFACTURED BY THE MUELLER COMPANY OR APPROVED EQUAL.
      2) BUTTERFLY VALVES: BUTTERFLY VALVES CONFORMING WITH AWWA C 504, CLASS 150 AND SHALL HAVE STANDARD AWWA TWO (2) INCH SQUARE NUT.
7. DETECTABLE MARKING TAPE SHALL BE INSTALLED 18" ABOVE PIPE, BE BLUE IN COLOR, AND READ "CAUTION WATER LINE BELOW" MEETING WSDOT SPEC. 9-15.18.

CITY OF PUYALLUP OFFICE of THE CITY ENGINEER | APPROVED FOR PUBLICATION 2/5/2019 | WATER VALVES AND MAINS | (NOT TO SCALE) | CITY STANDARD 03.01.01

FILE NAME: P:\DRAWINGS\STANDARDS\03.00.00 STANDARDS\03.01.00 STANDARDS\03.01.01 WATER VALVES AND MAINS.DWG

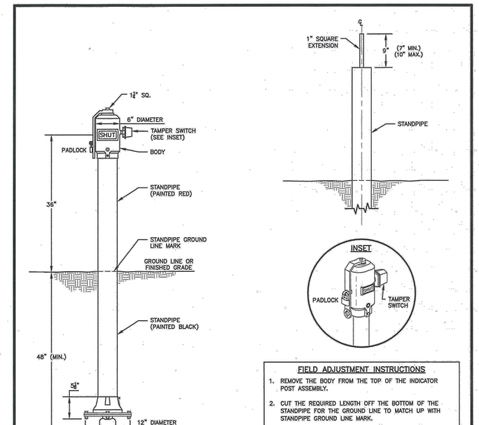


NOTES:

1. ALL MATERIALS AND FITTINGS SHALL BE AS SPECIFIED OR APPROVED EQUAL.
2. WATER MAINS SHALL HAVE A MINIMUM COVER OF 36" IN IMPROVED RIGHT-OF-WAY AND IMPROVED EASEMENTS, AND A MINIMUM OF 48" IN UNIMPROVED RIGHT-OF-WAY AND UNIMPROVED EASEMENTS.
3. THE FIRE HYDRANT AND CONCRETE GUARD POSTS SHALL BE PAINTED, RUST-OLEUM SAFETY YELLOW #7543 (TWO COATS) OR AN APPROVED EQUAL. THE STORZ FITTING SHALL NOT BE PAINTED.
4. FIRE HYDRANTS SHALL HAVE TWO 2-1/2" HOSE PORTS (NATIONAL STANDARD THREAD) WITH CAPS AND CHAINS AND ONE 4" PUMPER PORT (4R TACOMA STEAMER PORT THREAD) WITH A 5" STORZ COUPLING AND BLIND CAP INSTALLED ON THE STEAMER PORT, (STEAMER PORT SHALL FACE THE STREET). 1-1/4" PENTAGONAL OPERATING NUT (COUNTER-CLOCKWISE OPENING), O-RING TYPE STUFFING BOX, AUTOMATIC BARREL DRAINS AND 5-1/4" MAIN VALVE OPENING. HYDRANTS SHALL BE DESIGNED IN A MANNER THAT WILL PREVENT BARREL BREAKAGE WHEN STRUCK BY A VEHICLE. HYDRANTS SHALL CONFORM TO THE LATEST REVISION OF AWWA SPECIFICATIONS NO. C 502-73 FOR FIRE HYDRANTS FOR ORDINARY WATER SERVICE. FIRE HYDRANTS SHALL INCLUDE THE ENTIRE ASSEMBLY COMPLETE, INCLUDING HYDRANT, GATE VALVE AND BOX, CONNECTING PIPING, FITTINGS, AND ACCESSORIES.
5. FIRE HYDRANTS SHALL BE AVK, CLOW MEDALLION, M & H 1295, MUELLER CENTURION, OR WATEROUS.
6. GATE VALVES SHALL CONFORM TO THE LATEST AWWA SPECIFICATIONS FOR COLD WATER, RESILIENT SEATED WEDGE GATE VALVES, 200 PSI WORKING PRESSURE. THEY SHALL BE IRON-BODIED BRONZE-MOUNTED, NON-RISING STEM, COUNTER-CLOCKWISE OPENING, MECHANICAL JOINT BY FLANGED. VALVE STEMS SHALL BE PROVIDED WITH O-RING SEALS AND SHALL BE AS MANUFACTURED BY THE MUELLER COMPANY OR APPROVED EQUAL.
7. THE HOLDING SPOOL SHALL BE A MECHANICAL-JOINT (M.J.) HOLDING SPOOL, WITH THE USE OF MEGA-LUG CONNECTORS OR APPROVED EQUAL WITH CLASS 52 DUCTILE IRON PIPE.
8. IF DISTANCE BETWEEN WATER MAIN AND FIRE HYDRANT IS GREATER THAN 17 FEET, RESTRAINED JOINTS ARE REQUIRED ON ANY ADDITIONAL JOINTS. THE MINIMUM 6-INCH HYDRANT RUN ALLOWED IS 20 FEET. ANY PROPOSED HYDRANT RUN EXCEEDING 20' IN LENGTH SHALL BE SIZED USING AN ENGINEERED HYDRAULIC FIRE FLOW MODEL. ANY HYDRANT RUN EXCEEDING 50 FEET IN LENGTH SHALL BE NO LESS THAN 8-INCHES IN DIAMETER.
9. FIRE HYDRANTS SHALL BE LOCATED A MINIMUM OF 50 FEET FROM A BUILDING OR STRUCTURE.
10. THE CONTRACTOR SHALL PLACE A 6 OZ. GEOTEXTILE FABRIC AROUND THE WASHED ROCK AREA, ENDS TO OVERLAP.
11. A FLUORESCENT ORANGE RMG MUST COVER AND BE SECURED TO THE FIRE HYDRANT UNTIL APPROVED FOR USE BY CITY ENGINEER.
12. A MINIMUM THREE FOOT (3') RADIUS UNOBSTRUCTED CLEAR ZONE (WORK AREA) SHALL BE PROVIDED AROUND ALL FIRE HYDRANTS. ADDITIONALLY, NO WOODY LANDSCAPE SHALL BE PLANTED WITHIN TEN FEET (10') OF ANY FIRE HYDRANT, OVERREACHING BRANCHES OF TREES ADJACENT TO HYDRANTS SHALL HAVE A MAINTAINED VERTICAL CLEARANCE OF SEVEN (7') FEET ABOVE FINISHED GRADE OF THE FIRE HYDRANT.

CITY OF PUYALLUP OFFICE of THE CITY ENGINEER | APPROVED FOR PUBLICATION 11/7/2019 | FIRE HYDRANT ASSEMBLY | (NOT TO SCALE) | CITY STANDARD 03.05.01

FILE NAME: P:\DRAWINGS\STANDARDS\03.00.00 STANDARDS\03.05.00 STANDARDS\03.05.01 FIRE HYDRANT ASSEMBLY.DWG



FIELD ADJUSTMENT INSTRUCTIONS

1. REMOVE THE BODY FROM THE TOP OF THE INDICATOR POST ASSEMBLY.
2. CUT THE REQUIRED LENGTH OFF THE BOTTOM OF THE STANDPIPE FOR THE GROUND LINE TO MATCH UP WITH STANDPIPE GROUND LINE MARK.
3. CUT THE 1" SQ. EXTENSION AT A DISTANCE OF 9" ABOVE THE TOP OF THE STANDPIPE.
4. SET THE "OPEN" AND "SHUT" TARGETS FOR THE APPROPRIATE VALVE SIZE.
5. RE-ATTACH THE BODY TO THE TOP OF THE INDICATOR POST ASSEMBLY.
6. ALL POST INDICATOR VALVES SHALL BE INSTALLED WITH AN ELECTRONIC UL LISTED TAMPER SWITCH.
7. THERE SHALL BE 36" OF UNOBSTRUCTED CLEARANCE AROUND THE PERIMETER OF ALL POST INDICATOR VALVES.
8. POST INDICATOR VALVE SHALL BE LOCATED AT A MINIMUM 5-ft FROM BUILDING.

CITY OF PUYALLUP OFFICE of THE CITY ENGINEER | APPROVED FOR PUBLICATION 2/5/2019 | POST INDICATOR VALVE | (NOT TO SCALE) | CITY STANDARD 03.10.03

FILE NAME: P:\DRAWINGS\STANDARDS\03.00.00 STANDARDS\03.10.00 STANDARDS\03.10.03 POST INDICATOR VALVE.DWG

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	04/17/2023	SGR	JGM	JGM	FINAL AS-BUILT

DESIGNED BY: S. GUJULUVA RAJAN
DRAWN BY: M. VU
CHECKED BY: J. MATTHEWS
APPROVED BY: J. MATTHEWS

kpff | SUBMITTED BY: SARA ROBERTS | DATE: 04/17/2023

HENSEL PHELPS Plan. Build. Manage. kpff | REVIEWED BY: GREG SHIMIZU | DATE: 04/17/2023

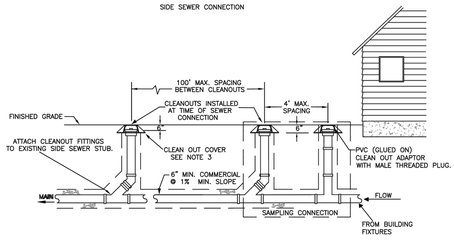
LINE IS 1" AT FULL SCALE

SOUNDTRANSIT | SUBMITTAL DATE: 04/17/2023

SCALE: NTS
FILENAME: S317-F1592-UCD021
CONTRACT No.: RTA/CN 0612-18

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALL

Xrefs:
xGB-TB22x34



NOTES:

1. SAMPLING CONNECTION SHALL BE INSTALLED OUT SIDE WITH UNOBSTRUCTED ACCESS AT ALL TIMES.
2. A SAMPLING CONNECTION SHALL BE INSTALLED FOR EACH COMMERCIAL / RETAIL UNIT OR SPACE.
3. CLEAN OUT AND SAMPLING CONNECTION COVERS:
   A) FOR NON-VEHICULAR TRAFFIC INSTALLATIONS USE "CARSON" MODEL 910 GREEN YARD BOX WITH BOLT DOWN LID MARKED SEWER OR APPROVED EQUAL.
   B) FOR ASPHALT, GRAVEL, OR TRAFFIC INSTALLATIONS SEE CITY STANDARD DETAIL NO. 04.03.05 FRAME AND COVER SECTION.
4. EACH CLEANOUT ASSEMBLY SHALL CONSIST OF: ONE CLEANOUT ADAPTER, HUB x FEMALE, FIPT, PVC SI AND ONE CLEANOUT PLUG, MOPT WITH RAISED NUT, PVC SDR35.

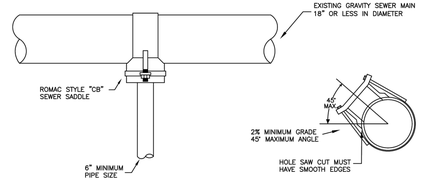
CITY OF PUYALLUP
DEVELOPMENT ENGINEERING and PUBLIC WORKS DEPARTMENTS

COMMERCIAL SIDE SEWER CONNECTION WITH SAMPLING CONNECTION

DRAWN BY	CHECKED BY	APPROVED BY	REVISED BY	CITY STANDARD
DM EWIN-SVOBODA	LINDA LIAN	COLLEEN HARRIS	LINDA LIAN	04.03.04
FILE NAME: P:\DWG\COMMON\STDETCITY\2009\04_SEW\04.03.04.dwg		DATE APPROVED: 07/01/2009	DATE REVISED: 03/21/13	SCALE: 1:4

NOTES FOR CONNECTING TAPS ON EXISTING SEWER MAINS

1. THE TEE FITTING SHALL BE A ROMAC INDUSTRIES STYLE "CB" SEWER SADDLE (OR APPROVED EQUAL). ONLY NEW SADDLE AND PARTS SHALL BE INSTALLED. DUE TO PIPE SIZE MATERIALS OR PIPE CONDITION, THE CITY ENGINEER MAY REQUIRE AN ALTERNATE METHOD/MATERIAL BE USED.
2. THE SEWER MAIN TAP SHALL BE CUT WITH A SEWER PIPE TAPPING MACHINE (HOLE SAW) CAPABLE OF RETAINING THE COUPON.
3. THE ROUND HOLE CUT INTO THE SEWER MAIN SHALL BE NO LARGER THAN THE INSIDE DIAMETER OF THE SADDLE GASKET. THE HOLE SAW CUT EDGES SHALL BE SMOOTH.
4. THE COUPON SHALL BE RETAINED AND SURRENDERED TO THE INSPECTOR. THE PERMIT HOLDER WILL PAY ALL COSTS ASSOCIATED WITH THE LOCATION AND RETRIEVAL OF A LOST COUPON. ADDITIONALLY THE PERMIT HOLDER WILL BE HELD LIABLE FOR ANY SUBSEQUENT DAMAGES CAUSED BY A LOST COUPON.
5. BOLTS SHALL BE TORQUED TO MANUFACTURE SPECIFICATIONS, THEN RETORQUED AFTER 10 MINUTES.
6. NO TAPS SHALL BE ALLOWED ON EXISTING SEWER MAINS OVER 18" IN DIAMETER. CONNECTIONS INTO SEWER MAINS OVER 18" IN DIAMETER SHALL INTERSECT THE SEWER MAIN IN A MANHOLE. IN SOME CASES THE CITY ENGINEER MAY ALLOW A VARIANCE TO THIS REQUIREMENT.
7. ALL TRENCHING, BEDDING, AND BACKFILL SHALL BE IN ACCORDANCE WITH CITY STANDARD DETAIL NO. 06.01.01. ALL ASPHALT REPAIR SHALL BE IN ACCORDANCE WITH CITY STANDARD NO. 01.01.20. ALL ADDITIONAL UTILITY AND RIGHT OF WAY REPAIRS SHALL BE INACCORDANCE WITH THE "CITY STANDARDS" MANUAL.
8. THE CITY OF PUYALLUP WILL CONDUCT A "SEWER MAIN VIDEO INSPECTION" OF THE SEWER TAP. THE PERMIT HOLDER WILL BE REQUIRED TO REPAIR ANY SEWER TAP CONSTRUCTION DEFECTS FOUND BY THE CITY INSPECTORS. THE COST OF ALL REPAIRS AND SUBSEQUENT "SEWER MAIN VIDEO INSPECTIONS" WILL BE THE RESPONSIBILITY OF THE PERMIT HOLDER. THE DAMAGE DEPOSIT POSTED BY THE BUILDER WILL BE HELD UNTIL PROBLEMS ARE CORRECTED. DUE TO PUBLIC HEALTH AND SAFETY, BUILDING OCCUPANCY WILL NOT BE ALLOWED UNTIL REPAIRS ARE COMPLETED AND ACCEPTED BY THE CITY ENGINEER.



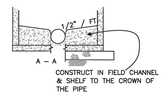
CITY OF PUYALLUP
DEVELOPMENT ENGINEERING and PUBLIC WORKS DEPARTMENTS

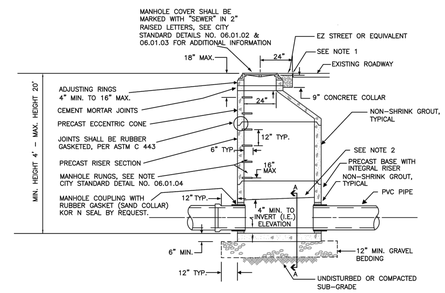
SEWER MAIN TAP

DRAWN BY	CHECKED BY	APPROVED BY	REVISED BY	CITY STANDARD
DM EWIN-SVOBODA	LINDA LIAN	COLLEEN HARRIS	XXXX	04.02.01
FILE NAME: P:\DWG\COMMON\STDETCITY\2009\04_SEW\04.02.01.dwg		DATE APPROVED: 07/01/2009	DATE REVISED: XX/XX/XX	SCALE: 1:2

NOTES:

1. NEAT LINE CUTS SHALL BE SEALED AT TOP WITH A HOT PAVING GRADE AND FACE OF CUT TACKED.
2. TOP OF SHELF, SLOPE 1/2" PER FOOT, CONSTRUCT IN FIELD CHANNEL AND SHELF TO THE CROWN OF PIPE.





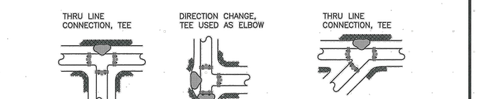
CITY OF PUYALLUP
DEVELOPMENT ENGINEERING and PUBLIC WORKS DEPARTMENTS

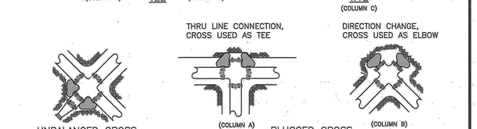
SANITARY SEWER MANHOLE

DRAWN BY	CHECKED BY	APPROVED BY	REVISED BY	CITY STANDARD
DM EWIN-SVOBODA	LINDA LIAN	COLLEEN HARRIS	LINDA LIAN	04.01.01
FILE NAME: P:\DWG\COMMON\STDETCITY\2009\04_SEW\04.01.01.dwg		DATE APPROVED: 07/01/2009	DATE REVISED: 08/03/12	SCALE: 1"=40'

NOTE: DRAWINGS DEPICT BLOCK LOCATION, NOT SIZE.
FOR SIZE SEE NOTES 3, 4, 5, AND CITY STD. 03.02.01-3







NOTES:

1. THE FOLLOWING PRECAUTIONS MUST BE OBSERVED WHEN CONSTRUCTING THRUST BLOCKS:
   A. BLOCKS MUST BE POURED OR PLACED AGAINST UNDISTURBED SOIL.
   B. THE PIPE FITTING(S) AND BOLTS MUST BE ACCESSIBLE. WRAP IN PLASTIC BEFORE POURING CONCRETE BLOCKING.
   C. CONCRETE SHOULD BE CURED FOR AT LEAST 5 DAYS AND SHOULD HAVE A MINIMUM COMPRESSION STRENGTH OF 3,000 PSI AT 28 DAYS.
   D. RESTRAINED JOINTS SHALL BE INSTALLED, IN ADDITION TO CONCRETE THRUST BLOCKING.
   E. BLOCKS MUST BE POSITIONED TO COUNTERACT THE DIRECTION OF THE RESULTANT THRUST FORCE.
2. ALL PIPE SHALL BE PROPERLY BEDDED, SEE CITY OF PUYALLUP STANDARD BEDDING DETAIL NO. 06.01.01.
3. CONTRACTOR TO PROVIDE BLOCKING ADEQUATE TO WITHSTAND FULL TEST PRESSURE.
4. DIVIDE THRUST BY SAFE BEARING LOAD TO DETERMINE REQUIRED AREA (IN SQUARE FEET) OF CONCRETE TO DISTRIBUTE LOAD.
5. BEARING SURFACE AREAS TO BE ADJUSTED BY THE ENGINEER FOR OTHER PRESSURE AND/OR SOIL CONDITIONS.

CITY OF PUYALLUP
OFFICE of THE CITY ENGINEER

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HORIZONTAL THRUST BLOCKING

CITY STANDARD 03.02.01-1
(NOT TO SCALE)
FILE NAME: P:\DWG\COMMON\STDETCITY\2009\04_SEW\03.02.01-1.dwg

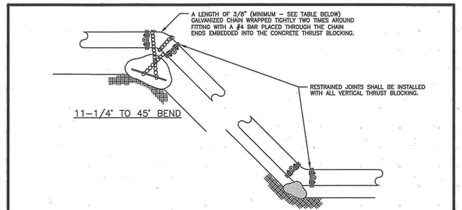


TABLE 1: CONCRETE BLOCKING FOR VERTICAL BENDS

PIPE DIAMETER (INCHES)	TEST PRESSURE (PSI)	BEND ANGLE (DEG)	CONCRETE VOLUME (FT³)	CUBE SIZE (FEET)	CHAIN SIZE (INCHES)	CHAIN EMBEDMENT (INCHES)
4"	200	11.25°	6	1.8	3/8"	17"
		22.5°	12	2.3		
		45°	22	2.8		
6"	200	11.25°	14	2.4	3/8"	17"
		22.5°	27	3.0		
		45°	50	3.7		
8"	200	11.25°	25	2.9	3/8"	17"
		22.5°	48	3.6		
		45°	89	4.5		
10"	200	11.25°	38	3.4	3/8"	17"
		22.5°	75	4.2		
		45°	139	5.2		
12"	200	11.25°	55	3.8	3/8"	17"
		22.5°	108	4.8		
		45°	200	5.8	1/2"	24"
14"	200	11.25°	75	4.2	3/8"	17"
		22.5°	147	5.3	1/2"	20"
		45°	272	6.5	1/2"	27"
16"	200	11.25°	98	4.6	3/8"	17"
		22.5°	192	5.8	1/2"	24"
		45°	355	7.1	3/4"	30"

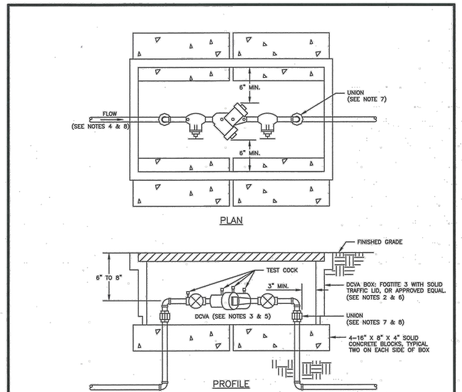
ALL NOTES ON CITY STANDARD 03.02.01-1 SHALL APPLY TO THIS DETAIL.
SEE CITY STANDARD 03.02.01-3 FOR ADDITIONAL INFORMATION.

CITY OF PUYALLUP
OFFICE of THE CITY ENGINEER

APPROVED FOR PUBLICATION — DATE ISSUED: 2/5/2013

VERTICAL THRUST BLOCKING

CITY STANDARD 03.02.01-2
(NOT TO SCALE)
FILE NAME: P:\DWG\COMMON\STDETCITY\2009\04_SEW\03.02.01-2.dwg



NOTES:

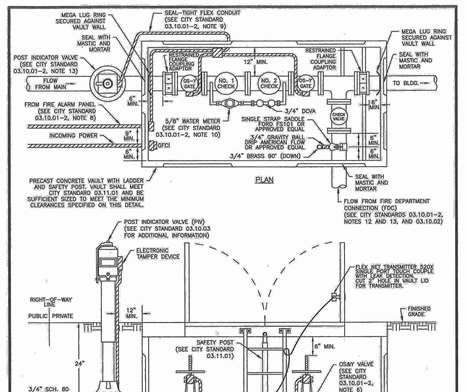
1. BACKFLOW ASSEMBLY MUST BE SELECTED FROM WASHINGTON STATE DEPARTMENT OF HEALTH'S LIST OF BACKFLOW PREVENTION ASSEMBLIES APPROVED FOR INSTALLATION IN WASHINGTON STATE, LATEST EDITION.
2. THE DCVA SHALL BE INSTALLED WITH ADEQUATE SPACE TO FACILITATE MAINTENANCE AND TESTING. IF SHALL BE TESTED AFTER INSTALLATION, BY A WASHINGTON STATE CERTIFIED BACK-FLOW ASSEMBLY TESTER, TO INSURE ITS SATISFACTORY OPERATION BEFORE OCCUPANCY, AND ANNUALLY THEREAFTER. SEND TEST RESULTS TO: CITY OF PUYALLUP, WATER QUALITY OPERATIONS, 1100 39TH AVE SE, PUYALLUP, WA 98374.
3. DCVA MUST BE PURCHASED AS A UNIT. NO MODIFICATIONS TO THE ASSEMBLY ARE ALLOWED.
4. DCVA SHALL BE PLACED IMMEDIATELY DOWNSTREAM OF WATER METER. WHEN IRRIGATION SYSTEM IS CONNECTED OFF DOMESTIC WATER LINE, IRRIGATION DCVA SHALL BE PLACED IMMEDIATELY DOWNSTREAM OF THE BRANCH CONNECTION.
5. DCVA SHALL BE SIZED EQUAL OR COMPARABLE TO METER SIZE.
6. METER BOX SHALL BE LARGE ENOUGH TO ALLOW THE MINIMUM SETBACKS ILLUSTRATED ABOVE. METER BOX LID SHALL BE A TRAFFIC LID WITH A H-20 LOADING.
7. DIELECTRIC UNIONS MUST BE USED TO SEPARATE DISSIMILAR MATERIALS.
8. USE ONLY BRASS OR COPPER BETWEEN THE METER AND THE UNION ON THE CUSTOMER'S SIDE OF THE DCVA.

CITY OF PUYALLUP
OFFICE of THE CITY ENGINEER

APPROVED FOR PUBLICATION — DATE ISSUED: 2/5/2013

2" AND SMALLER DOUBLE CHECK VALVE ASSEMBLY INSTALLATION

CITY STANDARD 03.04.01
(NOT TO SCALE)
FILE NAME: P:\DWG\COMMON\STDETCITY\2009\04_SEW\03.04.01.dwg



INSTALLATION LOCATION NOTE:
DOUBLE DETECTOR-CHECK VALVE ASSEMBLY (DDCVA) MAY BE INSTALLED WITHIN A BUILDING. THE PLAN AND PROFILE VIEW OF THIS DETAIL SHOWS ALTERNATIVE EXTERIOR VAULT INSTALLATION.

CITY STANDARD 03.10.01–2 COVERS ADDITIONAL NOTES FOR THIS DETAIL.

CITY OF PUYALLUP
OFFICE of THE CITY ENGINEER

APPROVED FOR PUBLICATION — DATE ISSUED: 10/5/2011

DOUBLE DETECTOR-CHECK VALVE ASSEMBLY INSTALLATION

CITY STANDARD 03.10.01-1
(NOT TO SCALE)
FILE NAME: P:\DWG\COMMON\STDETCITY\2009\04_SEW\03.10.01-1.dwg

NOTES FOR: DOUBLE DETECTOR CHECK VALVE ASSEMBLY (DDCVA) INSTALLATION CITY STANDARD 03.10.01–1

1. BACKFLOW ASSEMBLY MUST BE SELECTED FROM WASHINGTON STATE DEPARTMENT OF HEALTH'S LIST OF BACKFLOW PREVENTION ASSEMBLIES APPROVED FOR INSTALLATION IN WASHINGTON STATE, LATEST EDITION.
2. THE DDCVA SHALL BE INSTALLED WITH ADEQUATE SPACE TO FACILITATE MAINTENANCE AND TESTING. IF SHALL BE TESTED AFTER INSTALLATION, BY A WASHINGTON STATE CERTIFIED BACK-FLOW ASSEMBLY TESTER, TO INSURE ITS SATISFACTORY OPERATION BEFORE OCCUPANCY, AND ANNUALLY THEREAFTER. SEND TEST RESULTS TO: CITY OF PUYALLUP, WATER QUALITY OPERATIONS, 1100 39TH AVE SE, PUYALLUP, WA 98374.
3. DDCVA MUST BE PURCHASED AS A UNIT. NO MODIFICATIONS TO THE ASSEMBLY ARE ALLOWED.
4. DDCVA IS ALLOWED TO BE LOCATED WITHIN A BUILDING AS APPROVED BY THE FIRE CODE OFFICIAL. WHEN THE DDCVA IS LOCATED WITHIN A BUILDING, THE FIRE DEPARTMENT CONNECTION (FDC) BALL DRIP SHALL DRAIN TO THE NEAREST APPROVED ON-SITE STORM DRAINAGE STRUCTURE.
5. IN A VAULT INSTALLATION, IF VAULT CANNOT BE DRAINED TO DAYLIGHT, A 1/4 HP SUMP PUMP SHALL BE INSTALLED IN THE SUMP PIT OF THE VAULT. IT SHALL BE WIRED PER WASHINGTON STATE ELECTRICAL CODE, AND INSPECTED BY A STATE ELECTRICAL INSPECTOR. THE DISCHARGE PIPE SHALL BE CONNECTED TO THE NEAREST APPROVED ON-SITE STORM DRAINAGE STRUCTURE.
6. DDCVA OUTSIDE STEM AND YOKE (OS&Y) GATE VALVES, AND THE POST INDICATOR VALVE (PIV), SHALL HAVE SUPERVISED TAMPER SWITCHES.
7. ALL ELECTRICAL SHALL BE INSPECTED BY A WASHINGTON STATE ELECTRICAL INSPECTOR.
8. IN A VAULT INSTALLATION, RUN TWO 3/4" SCHEDULE 80 P.V.C. CONDUITS TO THE VAULT. ONE WILL BE USED FOR A GFCI PROTECTED OUTLET, AND ONE WILL BE FOR LOW VOLTAGE COMING FROM THE FIRE ALARM PANEL. INSTALL AN APPLETON FSCA OR FDCA CAST DEVICE BOX OR APPROVED EQUAL ON THE VAULT WALL AT THE CONDUIT PENETRATION.
9. IN A VAULT INSTALLATION, RUN LOW VOLTAGE WIRE INSIDE VAULT AND TO PIV THROUGH SEAL-TIGHT FLEX CONDUIT. CONDUIT SHALL BE SECURELY FASTENED PERPENDICULAR OR HORIZONTALLY TO THE WALLS OF THE VAULT.
10. WATER METER SHALL BE A SENSUS SRII TRPL READING IN 1 CUBIC FEET.
11. PIPE SUPPORTS SHALL BE RUST-PROTECTED WITH ALUMINUM PAINT.
12. THE FDC SHALL BE LOCATED WITHIN 15 FEET OF A FIRE HYDRANT, BUT NOT LESS THAN 10 FEET.
13. THE FDC AND PIV SHALL BE A MINIMUM OF 50 FEET FROM A BUILDING, UNLESS APPROVED BY THE CITY OF PUYALLUP FIRE CODE OFFICIAL, BUT NEVER LESS THAN 5 FEET FROM BUILDING.
14. A DDCVA INSTALLED MORE THAN 5 FEET ABOVE THE FLOOR LEVEL MUST HAVE A PLATFORM UNDER IT FOR THE TESTER OR MAINTENANCE PERSON TO STAND ON. THE PLATFORM MUST BE OSHA APPROVED AND MEET ALL APPLICABLE SAFETY STANDARDS AND CODES.

CITY OF PUYALLUP
OFFICE of THE CITY ENGINEER

APPROVED FOR PUBLICATION — DATE ISSUED: 2/5/2013

DOUBLE DETECTOR-CHECK VALVE ASSEMBLY INSTALLATION (NOTES)

CITY STANDARD 03.10.01-2
(NOT TO SCALE)
FILE NAME: P:\DWG\COMMON\STDETCITY\2009\04_SEW\03.10.01-2.dwg

05/04/23 | 3:20 PM | JONC
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FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	04/17/2023	SGR	JGM	JGM	FINAL AS-BUILT

DESIGNED BY: S. KIRBY
DRAWN BY: M. VU
CHECKED BY: J. MATTHEWS
APPROVED BY: J. MATTHEWS

kpff — SUBMITTED BY: SARA ROBERTS — DATE: 04/17/2023

HENSEL PHELPS Plan. Build. Manage. kpff — REVIEWED BY: GREG SHIMIZU — DATE: 04/17/2023

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT — SUBMITTAL DATE: 04/17/2023

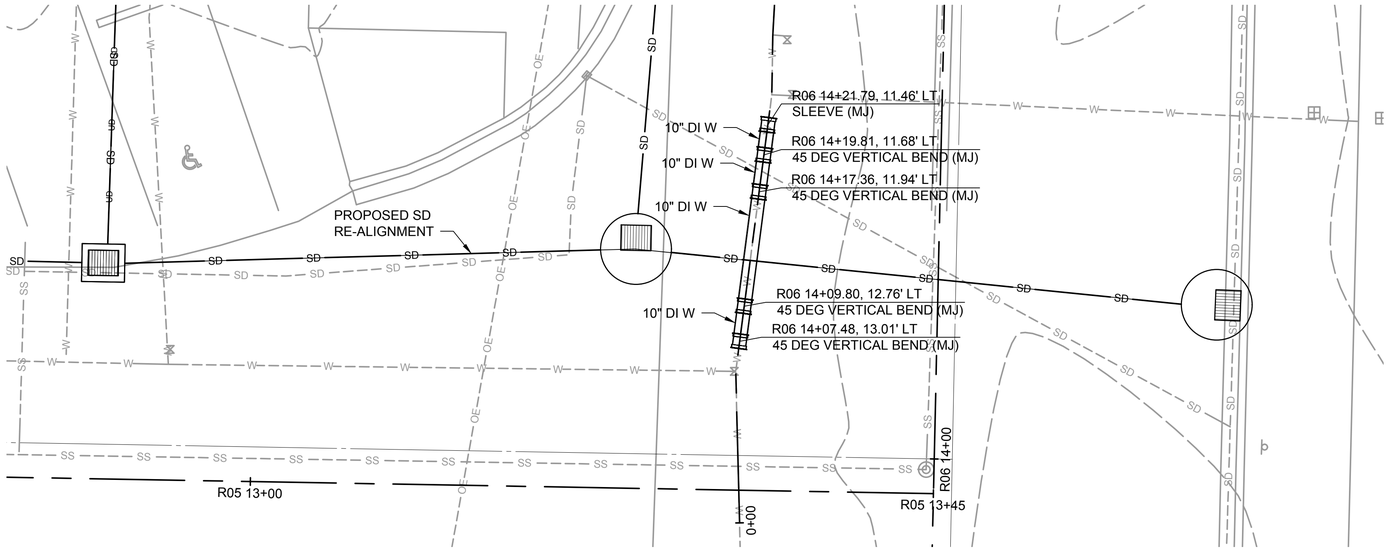
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FILENAME: S317-F1592-UCD022
CONTRACT No.: RTA/CN 0612-18

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS

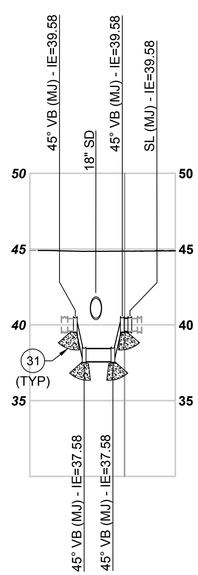
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UTILITY DETAILS

DRAWING No.: F1592-UCD022
FACILITY ID: F1592
SHEET No.: 130
REV: 0

Xrefs:
xS317-F1592-VRX100
xGB-TB22x34
xS317-F1592-CDP10



PLAN VIEW
SCALE: H: 1"=5'



5TH ST NW @ 2ND AVE NW CROSSING
SCALE: H: 1"=20' V: 1"=5'

(31) CONST VERTICAL THRUST BLOCK, PER COP STD PLAN 03.02.01-1

CONSTRUCTION NOTES:

No.	DATE	DSN	CHK	APP	REVISION
0	04/17/2023	SGR	JGM	JGM	FINAL AS-BUILT

FINAL AS-BUILT

DESIGNED BY: B. PILON
DRAWN BY: J. CURTIS
CHECKED BY: J. MATTHEWS
APPROVED BY: J. MATTHEWS

kpff
SUBMITTED BY: SARA ROBERTS
DATE: 04/17/2023

HENSEL PHELPS
Plan. Build. Manage.
kpff
REVIEWED BY: GREG SHIMIZU
DATE: 04/17/2023

LINE IS 1" AT FULL SCALE

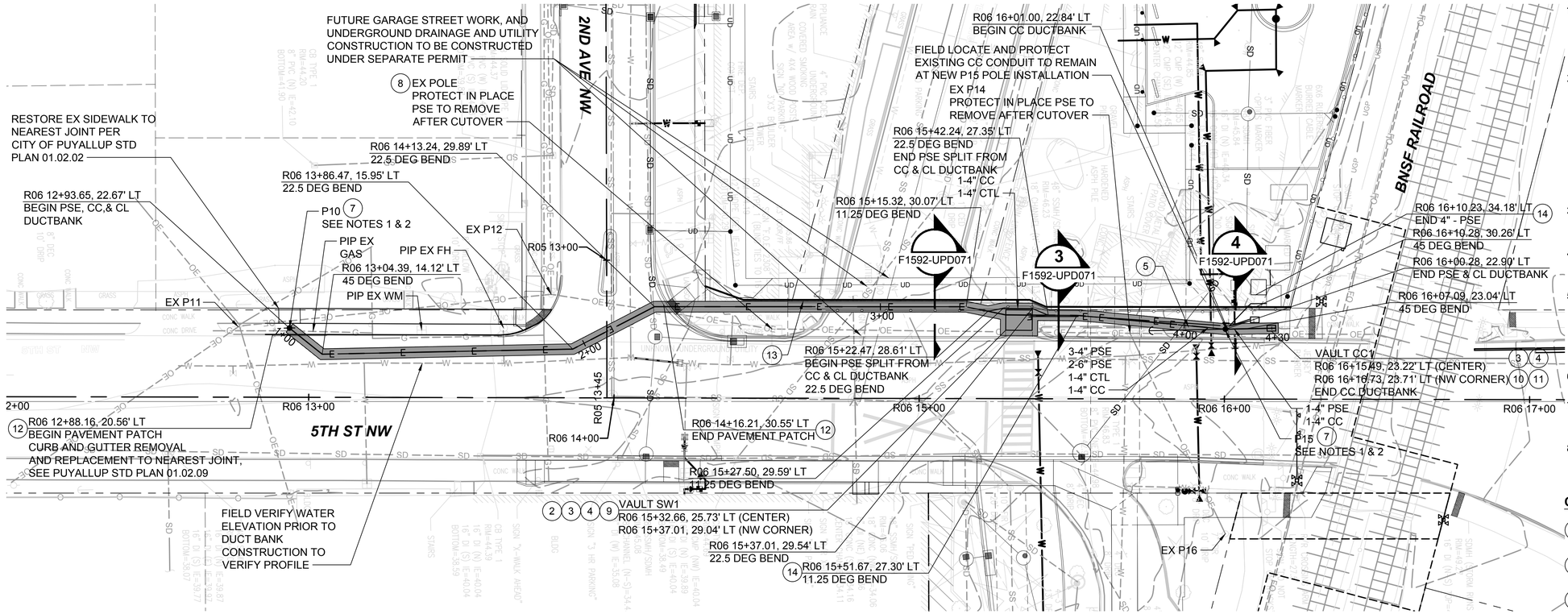
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SCALE: AS NOTED
FILENAME: S317-F1592-UCD023
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 04/17/2023

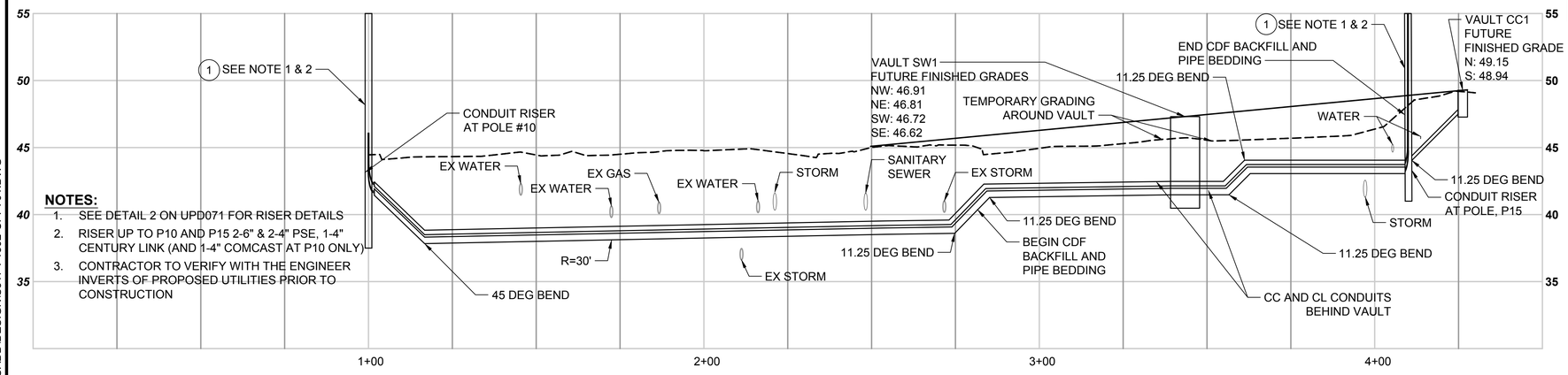
PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
CIVIL
UTILITY DETAILS

DRAWING No.: F1592-UCD023
FACILITY ID: F1592
SHEET No.: 131
REV: 0

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xS317-F1592-RPP10
xS317-F1592-UPP10
xS317-F1592-UWP10
xS317-F1592-VRX10
xS317-F1592-CDP10





NOTES:
1. SEE DETAIL 2 ON UPD071 FOR RISER DETAILS
2. RISER UP TO P10 AND P15 2-6" & 2-4" PSE, 1-4" CENTURY LINK (AND 1-4" COMCAST AT P10 ONLY)
3. CONTRACTOR TO VERIFY WITH THE ENGINEER INVERTS OF PROPOSED UTILITIES PRIOR TO CONSTRUCTION

UNDERGROUND POWER CONDUIT FROM P10 TO P15 AT 5TH ST NW

SCALE: H: 1"=20' V: 1"=5'

GENERAL NOTES:

1. ELEC/COMM TRENCH FOR PSE, COMCAST, AND CENTURY LINK FACILITIES TO RELOCATE OVERHEAD FACILITIES. REFER TO PSE, COMCAST AND CENTURY LINK PERMIT DRAWINGS FOR REMOVALS AND CABLING TO BE INSTALLED IN TRENCH SECTION.
2. PSE TO SET NEW POLES P10 AND P15 PRIOR TO TRENCHING. PSE TO PROVIDE SW1 VAULT, CONDUIT MATERIAL, INCLUDING PREFABRICATED BENDS, SPACERS, GLUE, GROUT AND PULL STRINGS FOR INSTALLATION BY THE CONTRACTOR. PSE TO SET SW1 VAULT, THE CONTRACTOR TO PLACE RISERS ON P10 AND P15, AND PLACE CONDUITS COMING INTO SW1 VAULT. THE CONTRACTOR WILL MANDREL CONDUITS WITH OWNER FURNISHED MANDREL PRIOR TO PLACING PULL STRINGS.
3. COMCAST TO PROVIDE AND HAVE DELIVERED TO THE SITE ALL CONDUIT, PREFABRICATED BENDS AND VAULT TO BE INSTALLED BY THE CONTRACTOR.
4. CENTURY LINK TO PROVIDE ALL CONDUIT AND PREFABRICATED BENDS TO BE INSTALLED BY THE CONTRACTOR.
5. CONTRACTOR TO TRENCH, SUPPLY BEDDING AND BACKFILL FOR CONDUITS AND VAULTS, AND INSTALL CONDUITS IN TRENCH. CONTRACTOR TO SUPPLY PULL STRINGS, GLUE AND SPACERS FOR COMMUNICATION DUCTS. CONTRACTOR TO MANDREL ALL DUCTS PRIOR TO PLACING PULL STRINGS.
6. CALL 1-800-424-5555, OR 811, MINIMUM OF 2 AND MAX. OF 10 DAYS, BEFORE CONSTRUCTION OF UTILITIES
7. EXCAVATIONS OVER 4' DEEP SHALL COMPLY WITH THE SAFETY STANDARDS DESCRIBED IN CHAPTER 296-155, PART N OF THE WAC.
8. ADJUST DUCT BANK DEPTH TO MAINTAIN MINIMUM UTILITY CLEARANCES, 12 INCHES VERTICAL TYPICAL FROM CONDUIT TO CROSSING UTILITY.

CONSTRUCTION NOTES:

1. CONTRACTOR TO CONSTRUCT 10FT OF RISER PER PSE STD 6042.1000
2. PSE TO SET VAULT PER PSE STD 6775.0040 NIC
3. A MIN. OF 6" 5/8 CRUSHED ROCK SHALL BE PLACED UNDER ALL VAULTS
4. VAULTS TO BE SET MATCHING FUTURE SIDEWALK SLOPED SURFACE
5. PSE TO SET GUY WIRE NIC
7. PSE TO SET POWER POLE NIC
8. PSE TO RMV POWER POLE NIC
9. PSE SW1 VAULT 6'8"W X 8'8"L X 6'10"H
10. COMCAST VAULT 17"W X 30"L X 24"H
11. SET COMCAST VAULT ON TOP OF EXISTING UNDERGROUND CONDUITS
12. PAVEMENT PATCH PER COP STD PLAN 01.01.20 MODIFIED TO ELIMINATE GRIND & OVERLAY
13. CONSTRUCT ELECTRICAL AND TELECOMMUNICATIONS DUCT BANK
14. PSE 4" CONDUIT, NEW SERVICE TO PROPOSED GARAGE TRANSFORMER

LEGEND:

ELEC/COMM TRENCH

20 10 0 20 40
SCALE IN FEET

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FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	04/17/2023	SGR	JGM	JGM	FINAL AS-BUILT

DESIGNED BY: S. KIRBY
DRAWN BY: M. VU
CHECKED BY: J. MATTHEWS
APPROVED BY: J. MATTHEWS

kpff
SUBMITTED BY: SARA ROBERTS
DATE: 04/17/2023

HENSEL PHELPS Plan. Build. Manage.
kpff
REVIEWED BY: GREG SHIMIZU
DATE: 04/17/2023

LINE IS 1" AT FULL SCALE

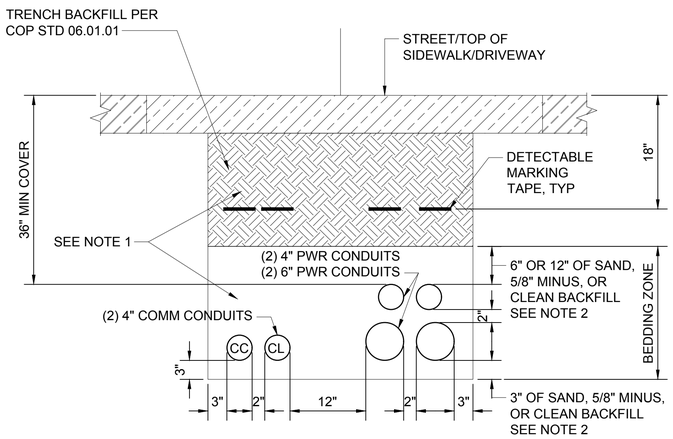
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SCALE: 1"=20'
FILENAME: S317-F1592-UPP701
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 04/17/2023

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS

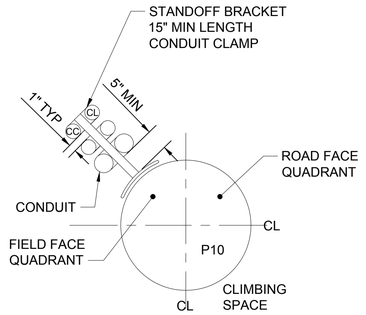
UTILITIES
PSE CONDUIT AND PRIMARY CABLES

DRAWING No.: F1592-UPP701
FACILITY ID: F1592
SHEET No.: 132
REV: 0

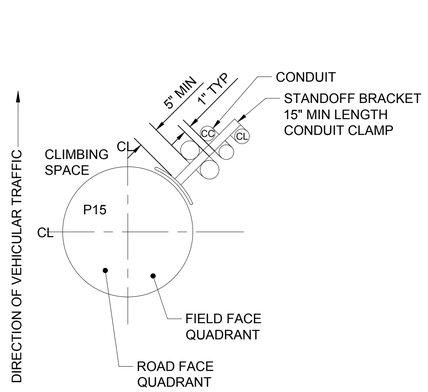
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PSE ELECTRICAL/COMM DUCT BANK 1
SCALE: NTS F1592-UPP701



TOP VIEW

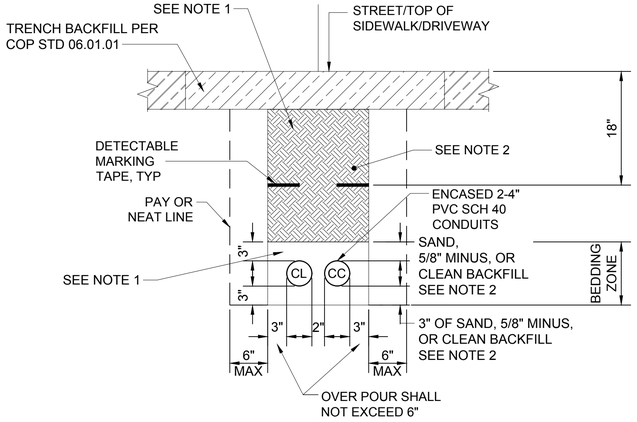


TOP VIEW

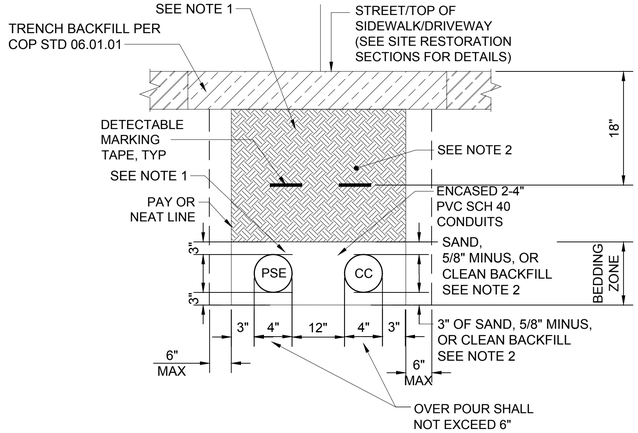
CUSTOMER - CONDUIT & RISER 2
SCALE: NTS F1592-UPP701

NOTES:

1. CONTROL DENSITY FILL REQUIRED WHERE NOTED ON PLANS AND AS DIRECTED BY THE ENGINEER, SHALL CONFORM TO WSDOT STANDARD SPECIFICATION 2-09.3(1)E.
2. BEDDING AND BACKFILL: SAND IN ACCORDANCE WITH WSDOT STANDARD SPECIFICATIONS SECTION 9-03.2(1) OR SECTION 9-03.13 OR CRUSHED SURFACING TOP COURSE IN ACCORDANCE WITH WSDOT STANDARD SPECIFICATIONS SECTION 9-03.9(3).
3. SEE DP-1 DRAWING F1592-CZN010 FOR SYMBOLS, LEGEND, AND ABBREVIATIONS.
4. ENGINEER TO PROVIDE SW1 VAULT INSTALLATION DETAILS DURING CONSTRUCTION.



CENTURY LINK/COMCAST DUCT BANK 3
SCALE: NTS F1592-UPP701



PSE/COMCAST DUCT BANK 4
SCALE: NTS F1592-UPP701

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	04/17/2023	SGR	JGM	JGM	FINAL AS-BUILT

DESIGNED BY: S. KIRBY
DRAWN BY: M. VU
CHECKED BY: J. MATTHEWS
APPROVED BY: J. MATTHEWS

kpff

HENSEL PHELPS
Plan. Build. Manage.
kpff

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT

SUBMITTED BY: SARA ROBERTS
DATE: 04/17/2023
REVIEWED BY: GREG SHIMIZU
DATE: 04/17/2023

SCALE: AS NOTED
FILENAME: S317-F1592-UPD071
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 04/17/2023

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
UTILITIES
UTILITY DETAILS

DRAWING No.: F1592-UPD071
FACILITY ID: F1592
SHEET No.: 133
REV: 0

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CL ELECTRICAL/COMM DUCT BANK ALIGNMENT

Xrefs:
xGB-TB22x34

GENERAL NOTES

1. ALL WORK WILL BE IN ACCORDANCE WITH CITY OF PUYALLUP PUBLIC WORKS STANDARDS AND WSDOT STANDARDS AND SPECIFICATIONS.
2. THE LOCATIONS OF FEATURES SHOWN ARE APPROXIMATE AND WILL BE VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION START.
3. UTILITY LOCATIONS ARE APPROXIMATE AND WILL BE VERIFIED IN THE FIELD BY THE CONTRACTOR PRIOR TO ANY ILLUMINATION WORK.
4. ALL WORK WILL BE CONSISTENT WITH UTILITY AGENCY REQUIREMENTS. THE CONTRACTOR WILL COORDINATE WITH AFFECTED UTILITY AGENCIES THROUGHOUT THE PROJECT. THE CONTRACTOR WILL BE RESPONSIBLE FOR ANY DAMAGE TO UTILITIES.
5. CONDUIT LOCATIONS ARE SHOWN FOR ILLUSTRATIVE PURPOSES. ACTUAL LOCATIONS WILL BE DETERMINED BY THE CONTRACTOR IN THE FIELD.
6. THE LOCATION OF ALL CONDUITS, JUNCTION BOXES, POLES, AND CABINETS SHOWN ON THIS PLAN MAY BE ADJUSTED IN THE FIELD TO AVOID CONFLICTS AND MEET ADA REQUIREMENTS. ALL FINAL LOCATIONS WILL BE APPROVED BY THE CITY TRAFFIC ENGINEER PRIOR TO CONSTRUCTION.
7. JUNCTION BOX LOCATIONS SHOWN ARE FOR ILLUSTRATIVE PURPOSES ONLY. JUNCTION BOXES WILL BE FIELD LOCATED BY THE CONTRACTOR AND APPROVED BY THE ENGINEER.
8. CONTRACTOR WILL ADJUST JUNCTION BOX LIDS TO BE FLUSH WITH TOP OF SIDEWALK.
9. ANY NEW JUNCTION BOX WHICH WILL BE LOCATED WITHIN OR PARTIALLY WITHIN SIDEWALK WILL HAVE LIDS AND FRAMES WITH A NON-SLIP COATING ON THE TOP SURFACE EQUAL TO MEBAC1 OR SLIPNOT#3. JUNCTION BOXES ARE PREFERRED TO BE INSTALLED OUTSIDE OF THE SIDEWALK WHERE IT IS FEASIBLE. JUNCTION BOXES INSTALLED OUTSIDE OF THE SIDEWALK WILL HAVE A CONCRETE COLLAR. SEE CITY OF PUYALLUP STANDARD DETAIL NO. 01.06.01.
10. THE LETTERS "LT" WILL BE ETCHED ON STREET LIGHTING JUNCTION BOX LIDS. SEE CITY OF PUYALLUP STANDARD DETAIL NO. 01.06.01.
11. ALL CONDUIT WILL BE BURRIED 24 INCHES DEEP MIN. UNLESS OTHERWISE SPECIFIED. ALL CONDUITS WILL BE SCHEDULE 80 UNLESS OTHERWISE SPECIFIED.
12. FOR INFORMATION REGARDING OVERHEAD UTILITIES, SEE UCP DRAWING SERIES.
13. FOR INFORMATION REGARDING TRAFFIC SIGNALIZATION, SEE TSP DRAWING SERIES.
14. EXISTING ROADWAY ILLUMINATION SYSTEMS WITHIN THE PACKAGE LIMITS WILL BE MAINTAINED AND PROTECTED UNLESS OTHERWISE NOTED ON THESE PLANS.

ILLUMINATION SYMBOLS

EXISTING		PROPOSED	
	ELECTRICAL SERVICE CABINET		METAL STREET LIGHT POLE WITH BRACKET ARM AND FIXTURE
	LUMINAIRE	X	CONSTRUCTION NOTE
	JUNCTION BOX TYPE 2 & 8	X	WIRE NOTE
	CONDUIT		JUNCTION BOX TYPE 1 & 2
			UNDERGROUND CONDUIT
			ELECTRICAL SERVICE CABINET

CONSTRUCTION NOTES

1. CONSTRUCT FOUNDATION PER CITY OF PUYALLUP STANDARD DETAIL 01.05.06. INSTALL LIGHT POLE WITH BRACKET ARM AND LUMINAIRE PER CITY OF PUYALLUP STANDARD DETAILS 01.05.03 AND 01.05.04. SEE ILLUMINATION SCHEDULE ON F1592-CLS101.
2. INSTALL TYPE 1 JUNCTION BOX PER WSDOT STANDARD PLAN J-40.10-04.
3. INSTALL TYPE 2 JUNCTION BOX PER WSDOT STANDARD PLAN J-40.10-04.
4. SEE F1592-TSP201 FOR JUNCTION BOX INSTALLATION.

ABBREVIATIONS

LED	LIGHT EMITTING DIODE
CKT	CIRCUIT

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	4/17/2023	BN	SZR	YLW	FINAL AS-BUILT

DESIGNED BY: Y. WANG
DRAWN BY: B. NIEHOFF
CHECKED BY: S. RAHMAN
APPROVED BY: Y. WANG

concord ENGINEERING
SUBMITTED BY: SARA ROBERTS
DATE: 4/17/2023

HENSEL PHELPS Plan. Build. Manage. kpff
REVIEWED BY: GREG SHIMIZU
DATE: 4/17/2023

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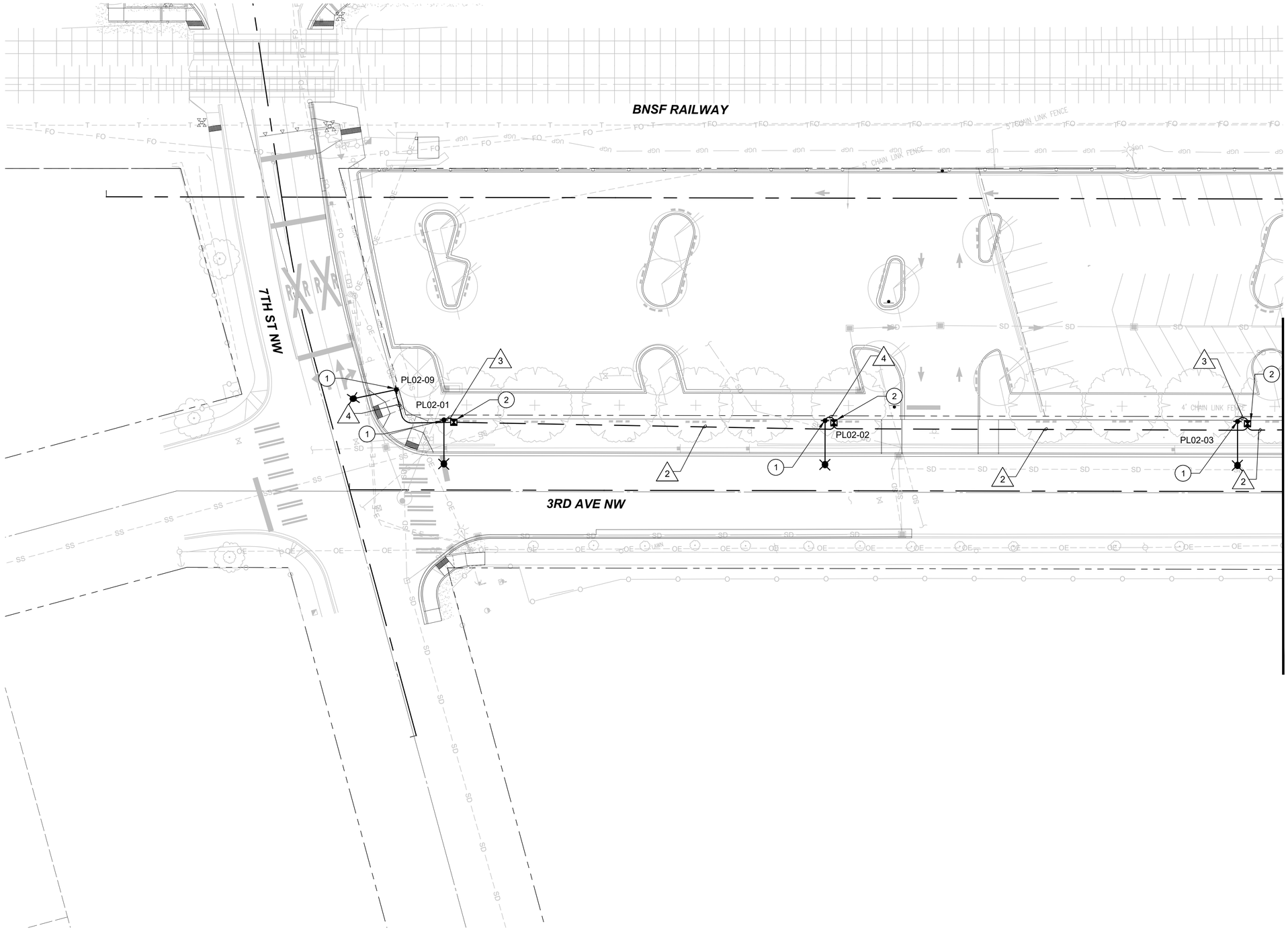
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FILENAME: S317-F1592-CLN101
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 4/17/2023

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
TRAFFIC
ROADWAY ILLUMINATION - GENERAL NOTES, LEGENDS, AND ABBREVIATIONS

DRAWING No.: F1592-CLN101
FACILITY ID: F1592
SHEET No.: 134
REV: 0

05/08/23 | 10:48 AM | MASHARUL.KABIR
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Xrefs:
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xS317-F1592-CLP10
xS317-F1592-CDP10
xS317-F1592-CMP10
xS317-F1592-CSP10
xS317-F1592-LPP10
xS317-F1592-TSP10
xS317-F1592-UCP10
xS317-F1592-VRX10



NOTES:

1. FOR GENERAL NOTES, CONSTRUCTION NOTES, SYMBOLS, AND ABBREVIATIONS, SEE DRAWING F1592-CLN101.
2. SEE F1592-CLS101 FOR WIRING SCHEDULE AND LUMINAIRE SCHEDULE.

CONSTRUCTION NOTES:

1. CONSTRUCT FOUNDATION PER CITY OF PUYALLUP STANDARD DETAIL 01.05.06. INSTALL LIGHT POLE WITH BRACKET ARM AND LUMINAIRE PER CITY OF PUYALLUP STANDARD DETAILS 01.05.03 AND 01.05.04. SEE ILLUMINATION SCHEDULE ON F1592-CLS101. INSTALL SHORTING CAP ON FIXTURE.
2. INSTALL TYPE 1 JUNCTION BOX PER WSDOT STANDARD PLAN J-40.10.

20 10 0 20 40
SCALE IN FEET

N

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	4/17/2023	BN	SZR	YLW	FINAL AS-BUILT

DESIGNED BY: Y. WANG
DRAWN BY: B. NIEHOFF
CHECKED BY: S. RAHMAN
APPROVED BY: Y. WANG

concord ENGINEERING
HENSEL PHELPS Plan. Build. Manage.
kpff
LINE IS 1" AT FULL SCALE
SOUNDTRANSIT

SUBMITTED BY: SARA ROBERTS
DATE: 4/17/2023
REVIEWED BY: GREG SHIMIZU
DATE: 4/17/2023
SUBMITTAL DATE: 4/17/2023

SCALE: 1" = 20'
FILENAME: S317-F1592-CLP102
CONTRACT No.: RTA/CN 0612-18

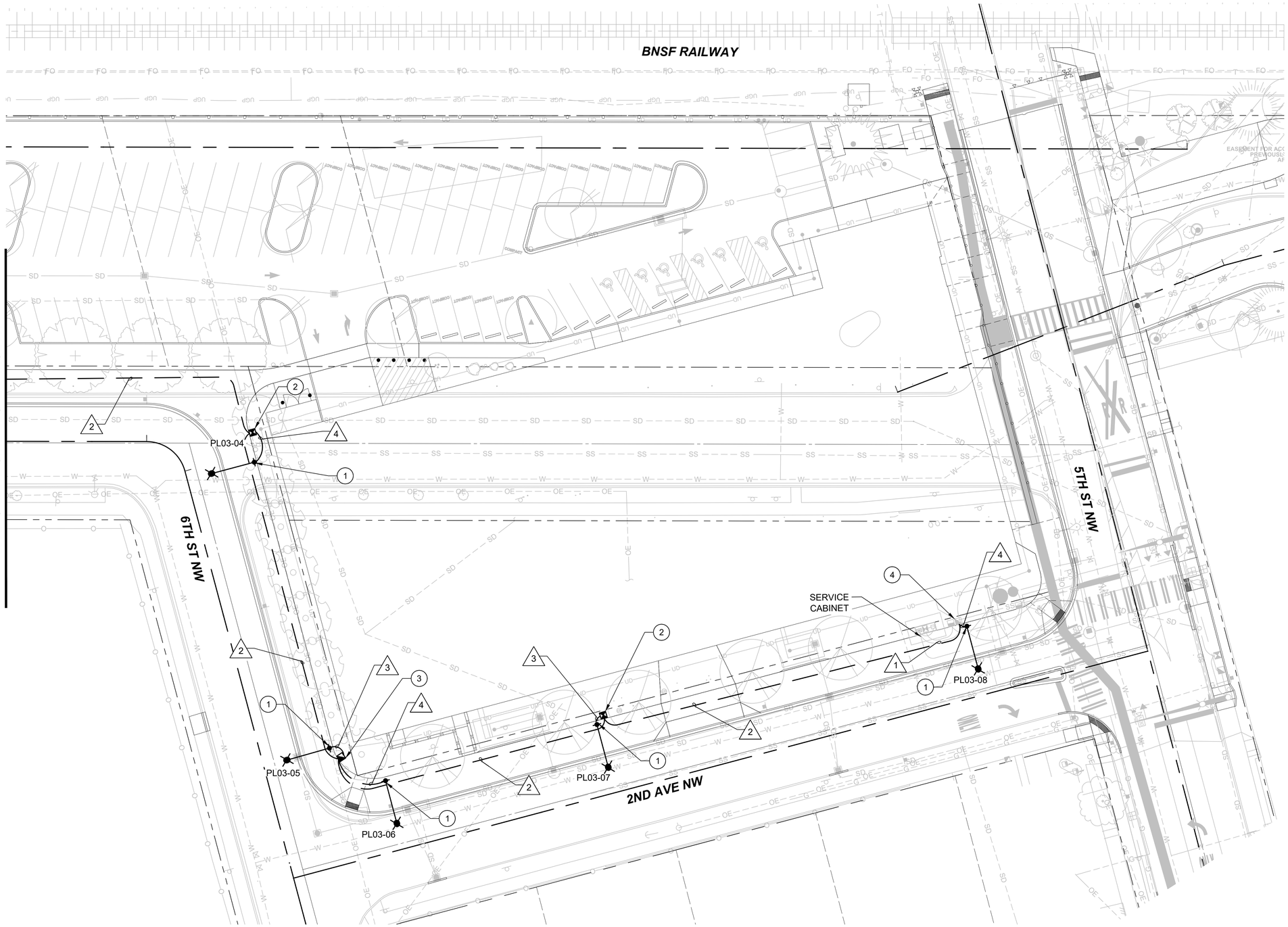
PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS

TRAFFIC
ROADWAY ILLUMINATION PLAN

DRAWING No.: F1592-CLP102
FACILITY ID: F1592
SHEET No.: 135
REV: 0

05/08/23 | 10:49 AM | MASHARUL.KABIR
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Xrefs:
xGB-TB22x34
dS317-F1592-CAP10
xS317-F1592-CLP10
xS317-F1592-CDP10
xS317-F1592-CMP10
xS317-F1592-CSP10
xS317-F1592-LPP10
xS317-F1592-TSP10
xS317-F1592-UCP10
xS317-F1592-UPP10
xS317-F1592-VRX10



NOTES:

1. FOR GENERAL NOTES, CONSTRUCTION NOTES, SYMBOLS, AND ABBREVIATIONS, SEE DRAWING F1592-CLN101.
2. SEE F1592-CLS101 FOR WIRING SCHEDULE AND LUMINAIRE SCHEDULE.
3. SEE CXP305 FOR PEDESTRIAN POLE REMOVAL.

CONSTRUCTION NOTES:

1. CONSTRUCT FOUNDATION PER CITY OF PUYALLUP STANDARD DETAIL 01.05.06. INSTALL LIGHT POLE WITH BRACKET ARM AND LUMINAIRE PER CITY OF PUYALLUP STANDARD DETAILS 01.05.03 AND 01.05.04. SEE ILLUMINATION SCHEDULE ON F1592-CLS101. INSTALL SHORTING CAP ON FIXTURE.
2. INSTALL TYPE 1 JUNCTION BOX PER WSDOT STANDARD PLAN J-40.10.
3. INSTALL TYPE 2 JUNCTION BOX PER WSDOT STANDARD PLAN J-40.10.
4. SEE F1592-TSP201 FOR JUNCTION BOX INSTALLATION.

20 10 0 20 40
SCALE IN FEET

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No.	DATE	DSN	CHK	APP	REVISION
0	4/17/2023	BN	SZR	YLW	FINAL AS-BUILT

DESIGNED BY: Y. WANG
DRAWN BY: B. NIEHOFF
CHECKED BY: S. RAHMAN
APPROVED BY: Y. WANG

concord ENGINEERING
HENSEL PHELPS Plan. Build. Manage.
kpff
SOUNDTRANSIT

LINE IS 1" AT FULL SCALE

SUBMITTED BY: SARA ROBERTS
DATE: 4/17/2023
REVIEWED BY: GREG SHIMIZU
DATE: 4/17/2023

SCALE: 1" = 20'
FILENAME: S317-F1592-CLP103
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 4/17/2023

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS

TRAFFIC
ROADWAY ILLUMINATION PLAN

DRAWING No.: F1592-CLP103
FACILITY ID: F1592
SHEET No.: 136
REV: 0

05/08/23 | 10:49 AM | MASHARUL.KABIR
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Xrefs:
xGB-TB22x34

ILLUMINATION SCHEDULE

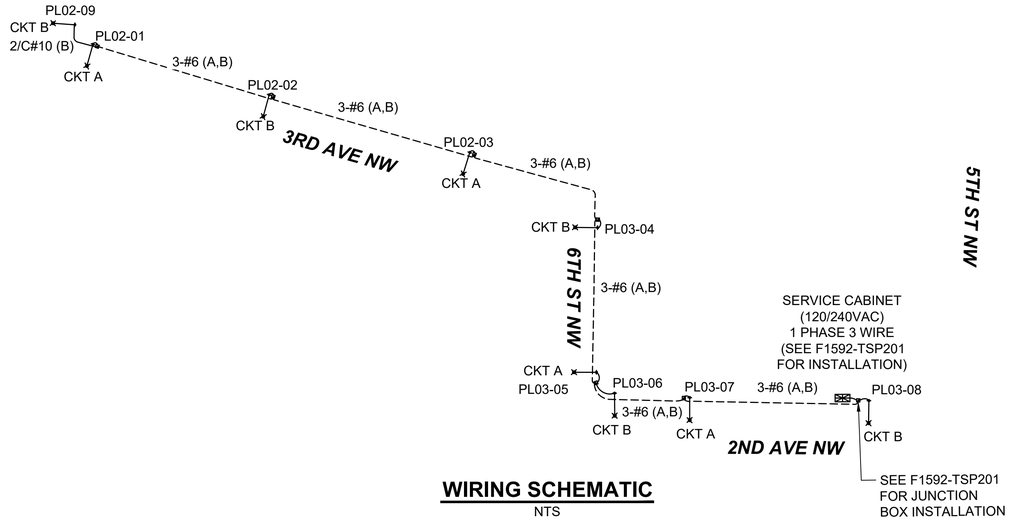
POLE NO.	LOCATION			SERVICE CABINET	CIRCUIT	POLE TYPE	FOUNDATION TYPE	LUMINAIRE ARM LENGTH (FT)	* LUMINAIRE TYPE	APPROXIMATE LUMEN OUTPUT	** LUMINAIRE MOUNT HEIGHT (FT)	REMARKS
	STATION	OFFSET	LT/RT									
PL02-01	R04 10+37.0	27.5	LT	2ND AVE NW	A	STANDARD DETAIL 01.05.04	STANDARD DETAIL 01.05.06	16	LEOTEK GCM1-60J-MV-2R-40K-GY-105-XX	10525	30	
PL02-02	R04 11+86.8	27.5	LT	2ND AVE NW	B	STANDARD DETAIL 01.05.04	STANDARD DETAIL 01.05.06	16	LEOTEK GCM1-60J-MV-2R-40K-GY-105-XX	10525	30	
PL02-03	R04 13+48.8	27.5	LT	2ND AVE NW	A	STANDARD DETAIL 01.05.04	STANDARD DETAIL 01.05.06	16	LEOTEK GCM1-60J-MV-2R-40K-GY-105-XX	10525	30	
PL03-04	R04 14+45.3	27.0	LT	2ND AVE NW	B	STANDARD DETAIL 01.05.04	STANDARD DETAIL 01.05.06	16	LEOTEK GCM1-60J-MV-2R-40K-GY-105-XX	10525	30	
PL03-05	R04 15+60.7	26.6	LT	2ND AVE NW	A	STANDARD DETAIL 01.05.04	STANDARD DETAIL 01.05.06	16	LEOTEK GCM1-60J-MV-2R-40K-GY-105-XX	10525	30	
PL03-06	R05 10+44.5	27.5	LT	2ND AVE NW	B	STANDARD DETAIL 01.05.04	STANDARD DETAIL 01.05.06	16	LEOTEK GCM1-60J-MV-2R-40K-GY-105-XX	10525	30	
PL03-07	R05 11+29.9	27.5	LT	2ND AVE NW	A	STANDARD DETAIL 01.05.04	STANDARD DETAIL 01.05.06	16	LEOTEK GCM1-60J-MV-2R-40K-GY-105-XX	10525	30	
PL03-08	R05 12+77.5	27.5	LT	2ND AVE NW	B	STANDARD DETAIL 01.05.04	STANDARD DETAIL 01.05.06	16	LEOTEK GCM1-60J-MV-2R-40K-GY-105-XX	10525	30	
PL02-09	R03 11+33.2	28.0	RT	2ND AVE NW	B	STANDARD DETAIL 01.05.04	STANDARD DETAIL 01.05.06	16	LEOTEK GCM1-60J-MV-2R-40K-GY-105-XX	10525	30	

* APPROVED EQUAL LUMINAIRE IS ACCEPTABLE AND MUST MEET SAME PERFORMANCE CRITERIA.

** LUMINAIRE MOUNTING HEIGHT IS DEFINED AS FROM TOP OF ROADWAY TO BOTTOM OF LUMINAIRE FIXTURE.

WIRING SCHEDULE

# NO.	CONDUIT SIZE	ILLUMINATION	GROUND	CIRCUIT	REMARKS
1	INSTALLED PER SIGNAL PLAN	3-#6	1-#6	A, B	2-#6 FROM SIGNAL PLAN
2	2" SCH 80 PVC	3-#6	1-#8	A, B	
3	2" SCH 80 PVC	2/C #10	1-#8	A	
4	2" SCH 80 PVC	2/C #10	1-#8	B	



WIRING SCHEMATIC
NTS

CITY OF PUYALLUP
2ND AVE NW SERVICE CABINET BREAKER SCHEDULE
120/240 VAC, 200 AMP, 1 PHASE, 3 WIRE

CIRCUIT	DESCRIPTION	VOLTAGE	BREAKER RATING	CONTACTOR RATING	LOAD (KVA)
A	ILLUMINATION	240	20A/2P	30A	0.26
B	ILLUMINATION	240	20A/2P	30A	0.325
C	INTERSECTION ILLUMINATION	240	20A/2P	30A	0.304
D	TRAFFIC SIGNAL	120	50A	N/A	2.23
E	GROUND FAULT RECEPTACLE	120	20A	N/A	0.18
F	CONTROL CIRCUIT	120	15A	N/A	0.001

CITY OF PUYALLUP
7TH ST NW & W STEWART AVE SERVICE CABINET BREAKER SCHEDULE
120/240 VAC, 200 AMP, 1 PHASE, 3 WIRE

CIRCUIT	DESCRIPTION	VOLTAGE	BREAKER RATING	CONTACTOR RATING	LOAD (KVA)
A	INTERSECTION ILLUMINATION	240	20A/2P	30A	0.608
B	TRAFFIC SIGNAL	120	50A	N/A	2.64
C	GROUND FAULT RECEPTACLE	120	20A	N/A	0.18
D	CONTROL CIRCUIT	120	15A	N/A	0.001

NOTES:

1. THIS PLAN INCLUDES DETAILED INFORMATION FOR LUMINAIRES, POLES, AND WIRING ASSOCIATED WITH ROADWAY ILLUMINATION IN THIS PACKAGE. SEE DRAWINGS F1592-CLN101 TO F1592-CLP103 FOR ROADWAY ILLUMINATION PLANS.

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FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	4/17/2023	BN	SZR	YLW	FINAL AS-BUILT

DESIGNED BY: Y. WANG
DRAWN BY: B. NIEHOFF
CHECKED BY: S. RAHMAN
APPROVED BY: Y. WANG

concord ENGINEERING
SUBMITTED BY: SARA ROBERTS
DATE: 4/17/2023

HENSEL PHELPS Plan. Build. Manage. kpff
REVIEWED BY: GREG SHIMIZU
DATE: 4/17/2023

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT
SCALE: NTS
FILENAME: S317-F1592-CLS101
CONTRACT No.: RTA/CN 0612-18
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PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS

TRAFFIC
ROADWAY ILLUMINATION SCHEDULES

DRAWING No.: F1592-CLS101
FACILITY ID: F1592
SHEET No.: 137
REV: 0

Xrefs:
xGB-TB22x34

GENERAL NOTES

1. TRAFFIC SIGNAL MODIFICATIONS WITHIN CITY OF PUYALLUP RIGHT-OF-WAY WILL BE CONSTRUCTED IN ACCORDANCE WITH THE CITY OF PUYALLUP REQUIREMENTS, AND REQUIREMENTS THAT MEET WSDOT STANDARD SPECIFICATIONS (M 41-10 2018 AND AMENDMENTS), AND THE PROJECT SPECIFICATIONS.
2. ALL TRAFFIC SIGNAL MODIFICATIONS WILL BE CONSTRUCTED TO MEET THE ADA REQUIREMENTS ACCORDING TO THE WSDOT DESIGN MANUAL CHAPTER 1330 AND CHAPTER 1510.
3. THE FOLLOWING NOTES APPLY TO ALL NEW TRAFFIC SIGNAL STANDARDS:
   - 3.1. ALL SIGNAL STANDARD DIMENSIONS AND ORIENTATIONS WILL BE FIELD VERIFIED BY THE ENGINEER PRIOR TO FABRICATION.
   - 3.2. DISCONNECT CONNECTORS COMPLETE WITH POLE AND BRACKET CABLE WILL BE INSTALLED IN ANY SIGNAL STANDARD SUPPORTING A LUMINAIRE. ILLUMINATION WIRING INSTALLATION WILL CONFORM TO DETAILS IN THE STANDARD PLANS FOR SLIP BASE WIRING.
   - 3.3. NO FIELD DRILLING WILL BE ALLOWED ON SIGNAL MAST ARMS EXCEPT FOR THE INSTALLATION OF ANY REQUIRED PRE-EMPT INDICATORS, PRE-EMPT DETECTORS, MICROWAVE DETECTOR, OR TYPE “N” SIGNAL MOUNTINGS. THE MAXIMUM DIAMETER WILL BE 1 INCH.
   - 3.4. ALL POLE ENTRANCES REQUIRED FOR POLE-MOUNTED PEDESTRIAN SIGNAL HEADS, SIGNS, PEDESTRIAN PUSH BUTTON ASSEMBLIES, ETC., WILL BE FIELD DRILLED.
   - 3.5. ANY DAMAGE TO THE GALVANIZED POLE SURFACE RESULTING FROM FIELD DRILLING WILL BE REPAIRED WITH APPROVED ZINC RICH PAINT.
   - 3.6. FIELD WELDING WILL NOT BE ALLOWED, EXCEPT AS SHOWN IN THE PLANS.
   - 3.7. ALL TENONS WILL BE FACTORY INSTALLED.
   - 3.8. ALL WELDING WILL BE COMPLETED PRIOR TO GALVANIZING.
   - 3.9. FOUNDATIONS WILL BE CONSTRUCTED TO PROVIDE THE POLE ORIENTATION NOTED IN THE PLANS. ANCHOR BOLTS WILL BE TIGHTENED IN ACCORDANCE WITH THE WSDOT STANDARD SPECIFICATIONS SECTIONS 6-03.3(33) AND 8-20.3(4).
   - 3.10. THE POLE WILL BE PLUMBED AFTER SIGNAL HEADS ARE INSTALLED.
   - 3.11. THE SPACE BETWEEN THE BOTTOM BASE PLATE AND THE TOP OF FOUNDATION WILL BE FILLED WITH GROUT WITH A 3/8 INCH PLASTIC DRAIN TUBE.
4. NEW TRAFFIC SIGNAL CABINETS WILL BE MODEL 332 OR 32 CHANNEL 352i ATC.
5. NEW SERVICE CABINETS WILL BE PROVIDED PER CITY OF PUYALLUP STANDARD 01.06.05, SKYLINE ELECTRIC 47700 - P2, OR APPROVED EQUAL. SEE PROJECT SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
6. THE UNINTERRUPTED POWER SUPPLY (UPS) CABINET WILL BE MANUFACTURED BY ALPHA MANUFACTURING, OR APPROVED EQUAL.
7. NEW VEHICLE SIGNAL HEADS WILL BE 12-INCH LED LENSES WITH TUNNEL VISORS AND BACK PLATES UNLESS OTHERWISE NOTED.
8. NEW PEDESTRIAN SIGNAL HEADS WILL BE LED WITH COUNTDOWN DISPLAYS UNLESS OTHERWISE NOTED.
9. MAST ARM MOUNTED STREET NAME SIGNS WILL BE DESIGNED AND FABRICATED PER CITY OF PUYALLUP STANDARD 01.04.03 AND THE PROJECT SPECIFICATIONS. THE SHOP DRAWINGS MUST BE APPROVED BY THE ENGINEER PRIOR TO FABRICATION.
10. ALL VIDEO DETECTION ZONES WILL BE CENTERED IN THEIR RESPECTIVE LANES AND LOCATED AS SHOWN BY THE TYPICAL DIMENSIONS IDENTIFIED IN THE SIGNALIZATION PLANS.
11. SIGNALIZATION MODIFICATIONS SHOWN IN THESE PLANS WILL BE COMPATIBLE WITH ADA GUIDELINES.
12. PREEMPTION DETECTOR WILL BE MOUNTED WITH A CLEAR LINE OF SIGHT FROM THE ASSOCIATED APPROACH.
13. SEE CAP SHEETS FOR PAVEMENT MARKING AND SIGNAGE PLANS.
14. SEE CLP SERIES FOR ROADWAY ILLUMINATION PLANS.
15. NEW ELECTRICAL SERVICES FOR TRAFFIC SIGNALS ARE BEING COORDINATED THROUGH THE APPLICATION PROCESS WITH PUGET SOUND ENERGY (PSE).
16. ALL CONDUCTORS FOR TRAFFIC SIGNAL DEVICES, VIDEO DETECTION CAMERAS, AND ILLUMINATION WILL BE LABELED IN EACH JUNCTION BOX.
17. ALL NEW JUNCTION BOXES LOCATED IN THE SIDEWALK (OR OTHER WALKABLE SURFACE) WILL HAVE LOCKABLE AND SKID-RESISTANT LIDS.
18. INSTALL "NEW SIGNAL AHEAD" (W3-4 (MOD.)) SIGNS AT ALL APPROACHES OF THE INTERSECTION PER THE PROJECT SPECIFICATIONS.
19. THE LOCATION OF ALL CONDUIT, JUNCTION BOXES, AND LUMINAIRES SHOWN ON THE PLANS ARE FOR SCHEMATIC REPRESENTATION. FINAL LOCATIONS WILL BE DETERMINED BY THE CONTRACTOR AND APPROVED BY THE ENGINEER IN THE FIELD. ALL NEW FOUNDATION LOCATIONS WILL BE APPROVED BY THE CITY TRAFFIC ENGINEER (OR AS DELEGATED) PRIOR TO EXCAVATION. THE CONTRACTOR WILL CHECK FOR MINIMUM OVERHEAD CLEARANCE OF 16.5 FEET FOR ALL SIGNAL DEVICES ABOVE STREET PRIOR TO POURING FOUNDATION.

SYMBOLS

EXISTING	PROPOSED
MAST ARM MOUNTED SIGN	MAST ARM MOUNTED SIGN
TRAFFIC SIGNAL POLE WITH MAST ARM	TYPE II SIGNAL POLE WITH MAST ARM
TRAFFIC SIGNAL POLE WITH MAST ARM AND LUMINAIRE EXTENSION	TYPE III SIGNAL POLE WITH MAST ARM AND LUMINAIRE EXTENSION
PEDESTRIAN SIGNAL STANDARD	TYPE I SIGNAL STANDARD, AND PEDESTRIAN SIGNAL STANDARD
PEDESTRIAN PUSH BUTTON POST	PEDESTRIAN PUSH BUTTON POST
VEHICLE SIGNAL HEAD	VEHICLE SIGNAL HEAD
PEDESTRIAN SIGNAL HEAD	PEDESTRIAN SIGNAL HEAD
VEHICLE SIGNAL HEAD WITH TURN ARROW	VEHICLE SIGNAL HEAD WITH TURN ARROW
LUMINAIRE	LUMINAIRE
PEDESTRIAN PUSH BUTTON	PEDESTRIAN PUSH BUTTON
EMERGENCY PREEMPTION DETECTOR	EMERGENCY PREEMPTION DETECTOR/INDICATOR
JUNCTION BOX TYPE 1, 2, & 3	JUNCTION BOX TYPE 1, 2 & 8
CONDUIT	PROPOSED CONDUIT
ELECTRICAL SERVICE CABINET	BBS CABINET, TRAFFIC SIGNAL CONTROLLER CABINET, ELECTRICAL SERVICE CABINET ON JOINT FOUNDATION
VIDEO DETECTION CAMERA	VIDEO DETECTION CAMERA
TRAFFIC SIGNAL CONTROLLER CABINET	WIRELESS ANTENNA

ABBREVIATIONS

BBS	BATTERY BACKUP SYSTEM	PPB	PEDESTRIAN PUSH BUTTON
BK	BLACK	R	RED
B	BLUE	RR	RAILROAD
BNSF	BURLINGTON NORTHERN SANTA FE	SH	SHIELDED
B/W	BLACK ON WHITE BACKGROUND	SNS	STREET NAME SIGN
CT	COUNT	W	WHITE
EVP	EMERGENCY VEHICLE PREEMPTION		
EX	EXISTING		
FO	FIBER OPTIC		
G	GREEN		
O	ORANGE		

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SOUNDTRANSIT

SCALE: NTS
FILENAME: S317-F1592-TSN101
CONTRACT No.: RTA/CN 0612-18
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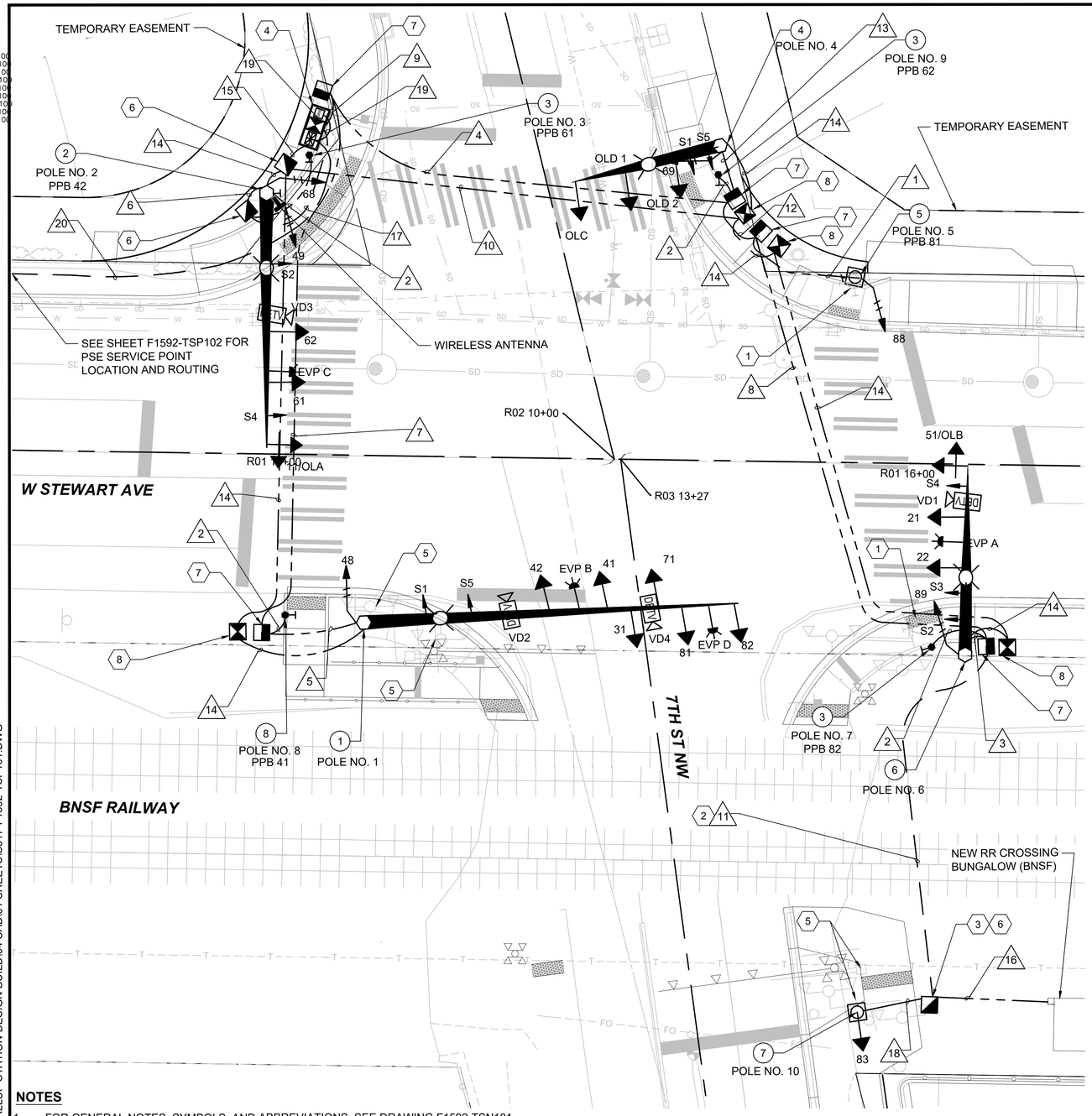
PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS

TRAFFIC
GENERAL NOTES, LEGENDS, AND ABBREVIATIONS

DRAWING No.: F1592-TSN101
FACILITY ID: F1592
SHEET No.: 138
REV: 0

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Xrefs:
xGB-TB22x34
xS317-F1592-TSP100
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xS317-F1592-CMP100
xS317-F1592-CSP100
xS317-F1592-RPP100
xS317-F1592-UWP100
dS317-F1592-CAP100
xS317-F1592-VRX100



SIGNS



S1



S2

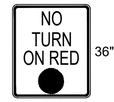
BLANK OUT SIGN



36"
R3-1
S3



30"
R10-12a
S4



24"
R10-11
S5

PREEMPTION SCHEDULE

EVP	PHASES
A	Ø2 & Ø5
B	Ø4 & Ø7
C	Ø1 & Ø6
D	Ø3 & Ø8

PROPOSED PHASE DIAGRAM

Ø1	Ø2	Ø3	Ø4
	OLB	OLC	
Ø5	Ø6	Ø7	Ø8
	OLA		OLD

PROTECTED VEHICLE MOVEMENT
PERMISSIVE VEHICLE MOVEMENT
PEDESTRIAN MOVEMENT

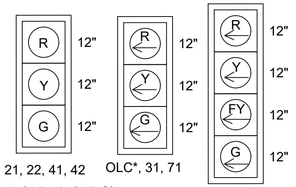
PEDESTRIAN SIGNAL HEADS

LED COUNTDOWN



48, 49, 68, 69, 88, 89

VEHICLE SIGNAL HEADS



21, 22, 41, 42
61, 62, OLD 1*, OLD 2*
81, 82, 83

OLC*, 31, 71

11/OLA
51/OLB

* SIGNAL HEAD WILL HAVE PROGRAMMABLE VISIBILITY

KEY NOTES:

1. REMOVE AND SALVAGE EXISTING SOLAR POWERED RRBB POLE AND ASSOCIATED EQUIPMENT AND RETURN TO THE CITY OF PUYALLUP. THE FOUNDATION WILL BE COMPLETELY REMOVED. THE RRFB SYSTEM WILL REMAIN OPERATIONAL AND ACCESSIBLE UNTIL THE NEW TRAFFIC SIGNAL IS TURNED ON.
2. DIRECT BORE UNDER BNSF TRACKS (BY BNSF FORCES).
3. COIL 50' OF WIRE INTO JUNCTION BOX. BNSF PERSONNEL WILL INSTALL CONDUIT AND WIRE INTO BUNGALOW AT A LATER DATE.
4. CONSTRUCT FOUNDATION AND INSTALL BBS CABINET, CONTROLLER CABINET, AND SERVICE CABINET ON FOUNDATION PER CITY OF PUYALLUP STANDARD DETAIL 01.06.06. ORIENTATE FACE OF CABINET'S TO BE FACING EAST. CONTROLLER CABINET SHALL BE 352i CONTROLLER CABINET WITH 2070 ATC CONTROLLER AND OMNI CONTROL SOFTWARE. INSTALL MCCAIN RAILROAD 3 SDLC INTERFACE PANEL INSIDE CABINET.
5. RELOCATE RR EQUIPMENT (BY BNSF).
6. INSTALL TYPE 2 JUNCTION BOX PER WSDOT STANDARD PLAN J-40.10.
7. INSTALL TYPE 8 JUNCTION BOX PER WSDOT STANDARD PLAN J-40.30.
8. INSTALL TYPE 1 JUNCTION BOX PER WSDOT STANDARD PLAN J-40.10.

CONSTRUCTION NOTES:

1. CONSTRUCT FOUNDATION PER WSDOT STANDARD PLAN J-26.10 AND INSTALL TYPE III SIGNAL POLE WITH 59 FT MAST ARM AND RECESSED TERMINAL COMPARTMENT PER CITY OF PUYALLUP STANDARD DETAIL 01.06.02. INSTALL SIX VEHICLE HEADS, ONE STREET NAME SIGN, TWO EMERGENCY PREEMPTION DETECTORS AND TWO VIDEO DETECTION CAMERAS ON THE MAST ARM. INSTALL 12 FT BRACKET ARM, 152W LED LUMINAIRE WITH 30 FT MOUNTING HEIGHT ON POLE.
2. CONSTRUCT FOUNDATION PER WSDOT STANDARD PLAN J-26.10 AND INSTALL TYPE III SIGNAL POLE WITH 40 FT MAST ARM AND RECESSED TERMINAL COMPARTMENT PER CITY OF PUYALLUP STANDARD DETAIL 01.06.02. INSTALL THREE VEHICLE HEADS, ONE SIGN S4, ONE STREET NAME SIGN, ONE EMERGENCY PREEMPTION DETECTOR AND ONE VIDEO DETECTION CAMERA ON THE MAST ARM. INSTALL 12 FT BRACKET ARM, 152W LED LUMINAIRE WITH 30 FT MOUNTING HEIGHT ON POLE. INSTALL ONE APS PPB ON THE POLE. APS PPB INSTALLATION MAY REQUIRE AN EXTENSION BRACKET TO MEET ADA REACH REQUIREMENTS. PUSH BUTTON STATION AND EXTENSION BRACKET MUST BE FROM THE SAME MANUFACTURER. INSTALL WIRELESS ANTENNA ON POLE PER MANUFACTURERS RECOMMENDATIONS.
3. CONSTRUCT FOUNDATION PER WSDOT STANDARD PLAN J-20.11. INSTALL TYPE PPB POST, AND ONE PEDESTRIAN PUSH BUTTON ASSEMBLY.
4. CONSTRUCT FOUNDATION PER WSDOT STANDARD PLAN J-26.10 AND INSTALL TYPE III SIGNAL POLE WITH 24 FT MAST ARM AND RECESSED TERMINAL COMPARTMENT PER CITY OF PUYALLUP STANDARD DETAIL 01.06.02. INSTALL 3 VEHICLE HEADS AND ONE STREET NAME SIGN ON THE MAST ARM. INSTALL 12 FT BRACKET ARM, 152W LED LUMINAIRE WITH 30 FT MOUNTING HEIGHT ON POLE.
5. CONSTRUCT FOUNDATION PER WSDOT STANDARD PLAN J-21.10. INSTALL TYPE PS SIGNAL POLE, ONE PEDESTRIAN SIGNAL HEAD WITH TYPE D MOUNT, AND ONE PUSH BUTTON ASSEMBLY WITH EXTENSION BRACKET.
6. CONSTRUCT FOUNDATION PER WSDOT STANDARD PLAN J-26.10 AND INSTALL TYPE III SIGNAL POLE WITH 30 FT MAST ARM AND RECESSED TERMINAL COMPARTMENT PER CITY OF PUYALLUP STANDARD DETAIL 01.06.02. INSTALL THREE VEHICLE HEADS, ONE BLANK OUT SIGN S3, ONE SIGN S4, ONE STREET NAME SIGN, ONE EMERGENCY PREEMPTION DETECTOR AND ONE VIDEO DETECTION CAMERA ON THE MAST ARM. INSTALL 12 FT BRACKET ARM, 152W LED LUMINAIRE WITH 30 FT MOUNTING HEIGHT ON POLE.
7. CONSTRUCT FOUNDATION PER WSDOT STANDARD PLAN J-21.10. INSTALL TYPE I SIGNAL POLE AND ONE VEHICLE SIGNAL HEAD.
8. CONSTRUCT FOUNDATION PER WSDOT STANDARD PLAN J-20.10. INSTALL TYPE PPB POST, AND ONE PEDESTRIAN PUSH BUTTON ASSEMBLY.

NOTES

1. FOR GENERAL NOTES, SYMBOLS, AND ABBREVIATIONS, SEE DRAWING F1592-TSN101.
2. CONTRACTOR WILL COORDINATE WITH BSNF PRIOR TO ANY WORK WITHIN BNSF RIGHT-OF-WAY AND ANY AFFECTING GRADE CROSSING OPERATIONS.
3. NEW STREET NAME SIGNS WILL BE PROVIDED PER PUYALLUP STANDARDS 01.04.03.
4. SEE DRAWING F1592-TSS101 FOR WIRING SCHEDULE.
5. SEE DRAWING F1592-TSP102 FOR VIDEO DETECTION ZONE.
6. SEE DRAWING F1592-TSP102 FOR RAILROAD PREEMPTION SEQUENCE.
7. SEE DRAWING F1592-TSS103 FOR RAILROAD PREEMPTION TERMINATIONS

10 5 0 10 20
SCALE IN FEET

N

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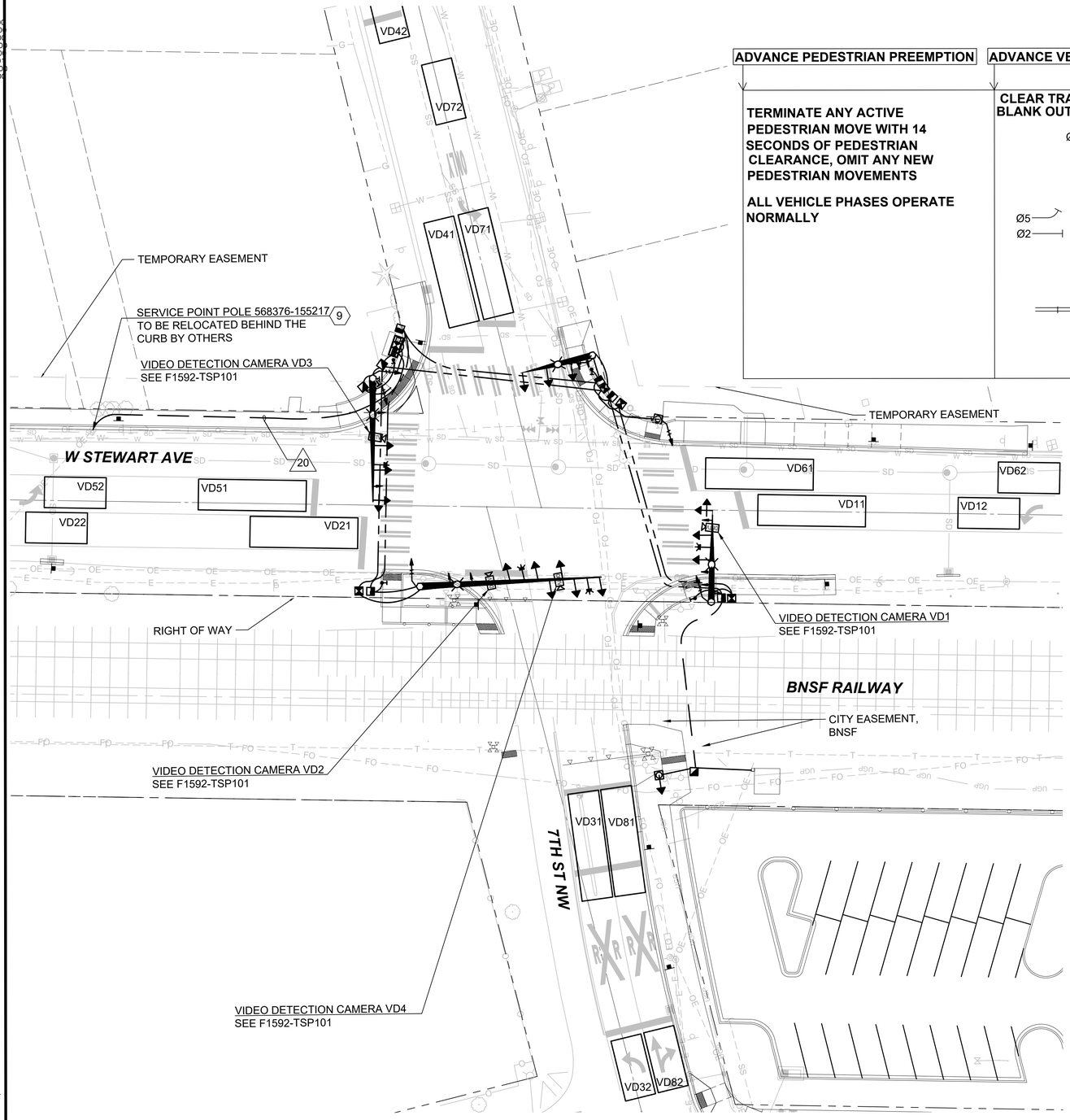
SCALE: 1" = 10'
FILENAME: S317-F1592-TSP101
CONTRACT No.: RTA/CN 0612-18

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
TRAFFIC
SIGNALIZATION PLAN - 7TH ST NW & W STEWART AVE

DRAWING No.: F1592-TSP101
FACILITY ID: F1592
SHEET No.: 139
REV: 0

05/08/23 | 10:49 AM | MASHARUL.KABIR
H:\(P) PROJECTS\2018\18.57 (KPFF) ST PUYALLUP STATION DESIGN BUILD\04 CAD\01 SHEETS\S317-F1592-TSP101.DWG

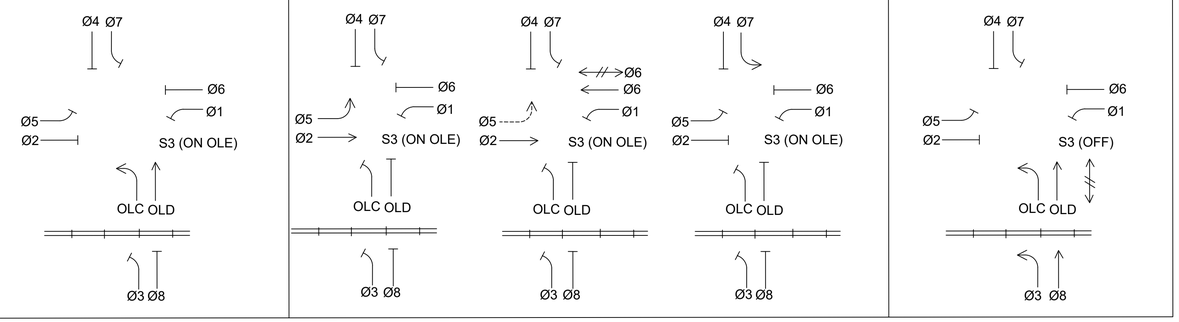
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xS317-F1592-CSP100
xS317-F1592-TSP101
xS317-F1592-UWP100
xS317-F1592-VRX100



RAILROAD PREEMPTION SEQUENCE (7TH ST NW & W STEWART AVE):

VEHICLE MOVEMENT
PEDESTRIAN MOVEMENT

ADVANCE PEDESTRIAN PREEMPTION	ADVANCE VEHICLE PREEMPTION	GATE DOWN	NORMAL
TERMINATE ANY ACTIVE PEDESTRIAN MOVE WITH 14 SECONDS OF PEDESTRIAN CLEARANCE, OMIT ANY NEW PEDESTRIAN MOVEMENTS ALL VEHICLE PHASES OPERATE NORMALLY	CLEAR TRACK PHASES: 3A & 8A BLANK OUT SIGN ACTIVE	PREEMPTION HOLD INTERVALS: PHASES 2 & 5, PHASES 2& 6, PHASE 7 BLANK OUT SIGN ACTIVE	EXIT PHASES: 3A & 8A BLANK OUT SIGN INACTIVE



KEY NOTES

9 PROVIDE (1) 3" CONDUIT RISER ON EAST SIDE OF POLE TO 10'-0" ABOVE GRADE FOR PSE SERVICE CONNECTION. PULL SERVICE CONDUCTORS TO TOP OF RISER AND COIL 15' FOR CONNECTION BY PSE.

NOTES

1. FOR GENERAL NOTES, SYMBOLS, AND ABBREVIATIONS, SEE DRAWING F1592-TSN101.
2. VIDEO DETECTION ZONES SHOWN ARE APPROXIMATE. PRECISE LOCATIONS WILL BE FIELD VERIFIED WITH ENGINEER.

20 10 0 20 40
SCALE IN FEET

N

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	4/17/2023	BN	SZR	YLW	FINAL AS-BUILT

DESIGNED BY: Y. WANG
DRAWN BY: B. NIEHOFF
CHECKED BY: S. RAHMAN
APPROVED BY: Y. WANG

concord ENGINEERING
SUBMITTED BY: SARA ROBERTS

HENSEL PHELPS Plan. Build. Manage.
kpff
DATE: 4/17/2023
REVIEWED BY: GREG SHIMIZU

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT
DATE: 4/17/2023

SCALE: 1" = 20'
FILENAME: S317-F1592-TSP102
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 4/17/2023

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS

TRAFFIC
DETECTION PLAN - 7TH ST NW & W STEWART AVE

DRAWING No.: F1592-TSP102
FACILITY ID: F1592
SHEET No.: 140
REV: 0

05/08/23 | 10:50 AM | MASHARUL.KABIR
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Xrefs:
xGB-TB22x34

WIRING SCHEDULE

RUN NO. △#	CONDUIT SIZE	VEHICLE HEADS 5C	VEHICLE HEADS 10C	PED HEADS 3C	PPB 2C(SH)	PREEMPT 3C(SH)	PREEMPT INDICATOR LIGHT 2C(SH)	RAIL ROAD PREEMPT CABLE 14AWG 12COND	VIDEO DETECTION CAT5E	ILLUMINATION	LED BLANKOUT SIGN 2C	WIRELESS ANTENNA CABLE	SIGNAL SERVICE	GROUND #6	SERVICE	REMARKS
1	2" SCH 80 PVC			1	1									1		
2	1" SCH 80 PVC				1									1		
3	3" SCH 80 PVC	2		1		1	1		1		1			1		
4	3" SCH 80 PVC	5		3	3									1		
	3" SCH 80 PVC					1	1	1	1		1			1		
5	3" SCH 80 PVC	2	1	1		2	2		2					1		
6	3" SCH 80 PVC	2		2	1	1	1		1			1		1		
7	3" SCH 80 PVC	2	1	1	1	2	2		2					1		
	3"SCH 80 PVC															SPARE
8	3" SCH 80 PVC	3		1	1	1	1	1	1		1			1		
	3" SCH 80 PVC															SPARE
9	3" SCH 80 PVC		1	4							1			1		
	3" SCH 80 PVC				4	3	3	1	3					1		
	3" SCH 80 PVC	7												1		
10	2" SCH 80 PVC									3-#6				1		
11	2" SCH 80 HDPE	1						1						1		
12	3" SCH 80 PVC	3		2	2	1	1	1	1		1			1		
	2" SCH 80 PVC															SPARE
13	3" SCH 80 PVC	2		1										1		
14	2" SCH 80 PVC									2-#6				1		
15	2" SCH 80 PVC									3-#6				1		
	2" SCH 80 PVC															SPARE
16	2" SCH 80 PVC							1						1		
17	3" SCH 80 PVC	2		2	2	1	1		1			1		1		
18	2" SCH 80 PVC	1												1		
19	2" SCH 80 PVC												2-#6	1		
20	3" SCH 80 PVC														3-#3/0	PSE SERVICE ENTRANCE CONDUIT

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	4/17/2023	BN	SZR	YLW	FINAL AS-BUILT

DESIGNED BY: Y. WANG
DRAWN BY: B. NIEHOFF
CHECKED BY: S. RAHMAN
APPROVED BY: Y. WANG

concord ENGINEERING
SUBMITTED BY: SARA ROBERTS

HENSEL PHELPS Plan. Build. Manage. kpff
DATE: 4/17/2023
REVIEWED BY: GREG SHIMIZU

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT
DATE: 4/17/2023

SCALE: NTS
FILENAME: S317-F1592-TSS101
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 4/17/2023

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
TRAFFIC
SIGNALIZATION SCHEDULE - 7TH ST NW & W STEWART AVE

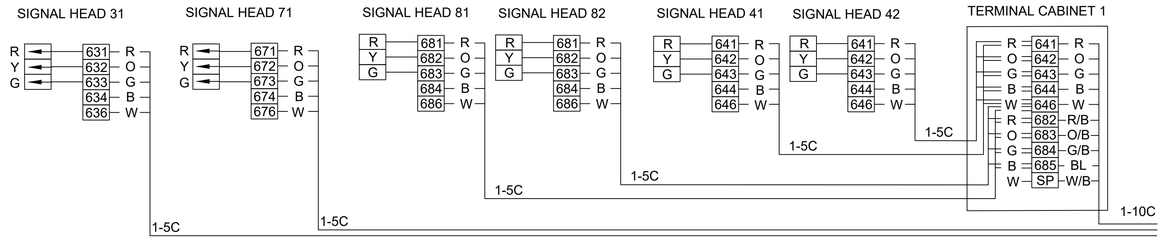
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FACILITY ID: F1592
SHEET No.: 141
REV: 0

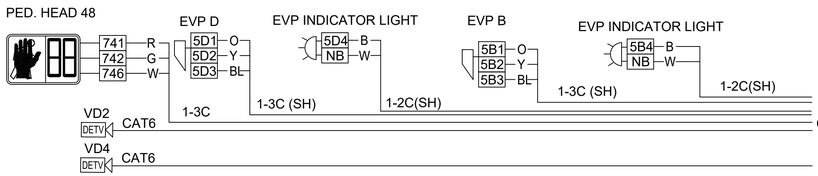
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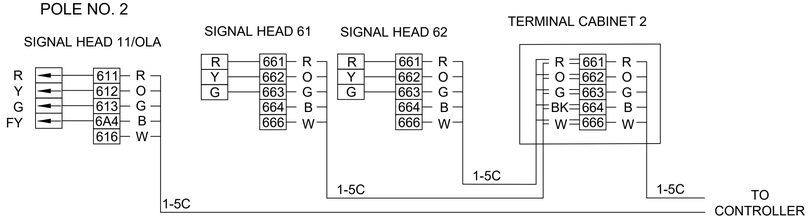
FIELD WIRE TERMINATIONS

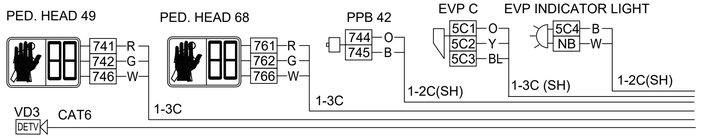
POLE NO. 1



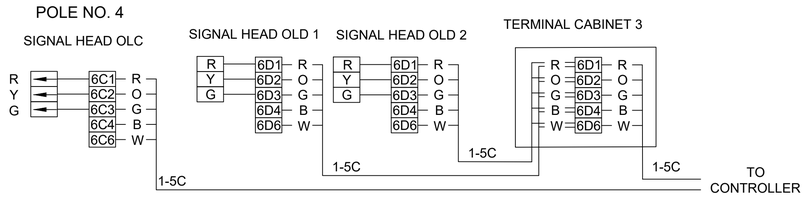


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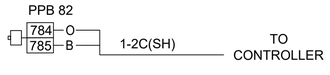


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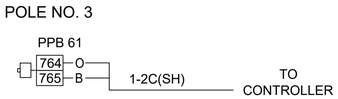




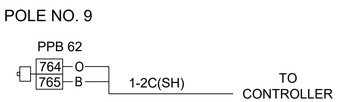
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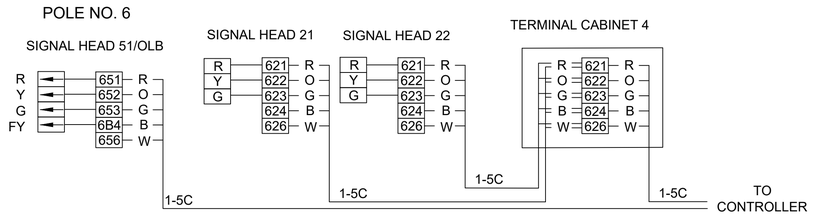
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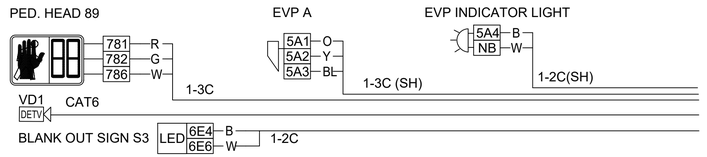


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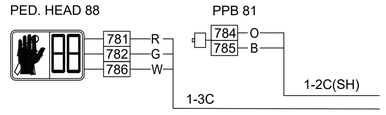


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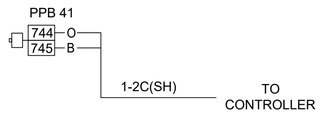




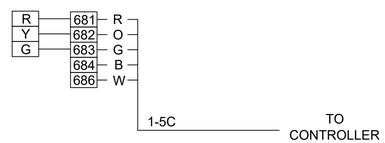
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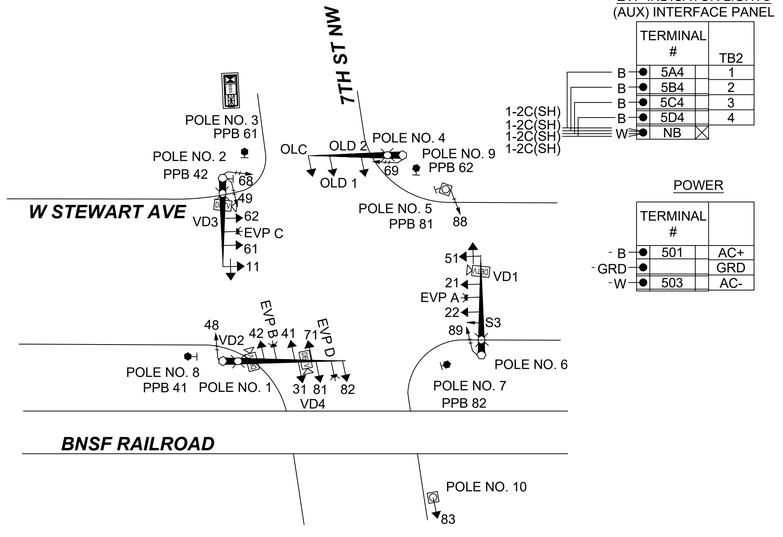


POLE NO. 8



POLE NO. 10





CABINET WIRE TERMINATIONS

PEDESTRIAN SIGNALS

TERMINAL #	HEAD #
721	NOT USED
722	
726	
741	48
742	49
746	
761	68
762	69
766	
781	88
782	89
786	

PEDESTRIAN PUSH BUTTONS

TERMINAL #	HEAD #
724	NOT USED
725	
744	41
745	42
764	61
765	62
784	81
785	82

EVP DETECTORS

TERMINAL #	
5AC3	DC-
5BD3	
5A2	EVA
5C2	EVC
5AC1	DC+
5B2	EVB
5D2	EVD
5BD1	DC+

EVP INDICATOR LIGHTS (AUX) INTERFACE PANEL

TERMINAL #	TB2
5A4	1
5B4	2
5C4	3
5D4	4
NB	

POWER

TERMINAL #	
501	AC+
	GRD
503	AC-

VEHICLE SIGNALS

611		11
612		
613		
614		
616	5C	
621		21
622		22
623		
624		
626	5C	
631		31
632		
633		
634		
636	5C	
641		41
642		42
643		
644		
646	10C	
651		51
652		
653		
654		
656	5C	
661		61
662		62
663		
664		
666	5C	
671		71
672		
673		
674		
676	5C	
681		81
682		82
683		83
684		
686	5C	
6A1		OLA
6A2		
6A3		
6A4		
6A6		
6B1		OLB
6B2		
6B3		
6B4		
6B6		
6C1		OLC
6C2		
6C3		
6C4		
6C6	5C	
6D1		OLD 1 OLD 2
6D2		
6D3		
6D4		
6D6	5C	
6E1		SIGN S3
6E2		
6E3		
6E4		
6E6	2C	

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	4/17/2023	BN	SZR	YLW	FINAL AS-BUILT

DESIGNED BY: Y. WANG
DRAWN BY: B. NIEHOFF
CHECKED BY: S. RAHMAN
APPROVED BY: Y. WANG

concord ENGINEERING
HENSEL PHELPS Plan. Build. Manage.
kpff
LINE IS 1" AT FULL SCALE
SOUNDTRANSIT

SUBMITTED BY: SARA ROBERTS
DATE: 4/17/2023
REVIEWED BY: GREG SHIMIZU
DATE: 4/17/2023

SCALE: NTS
FILENAME: S317-F1592-TSS102
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 4/17/2023

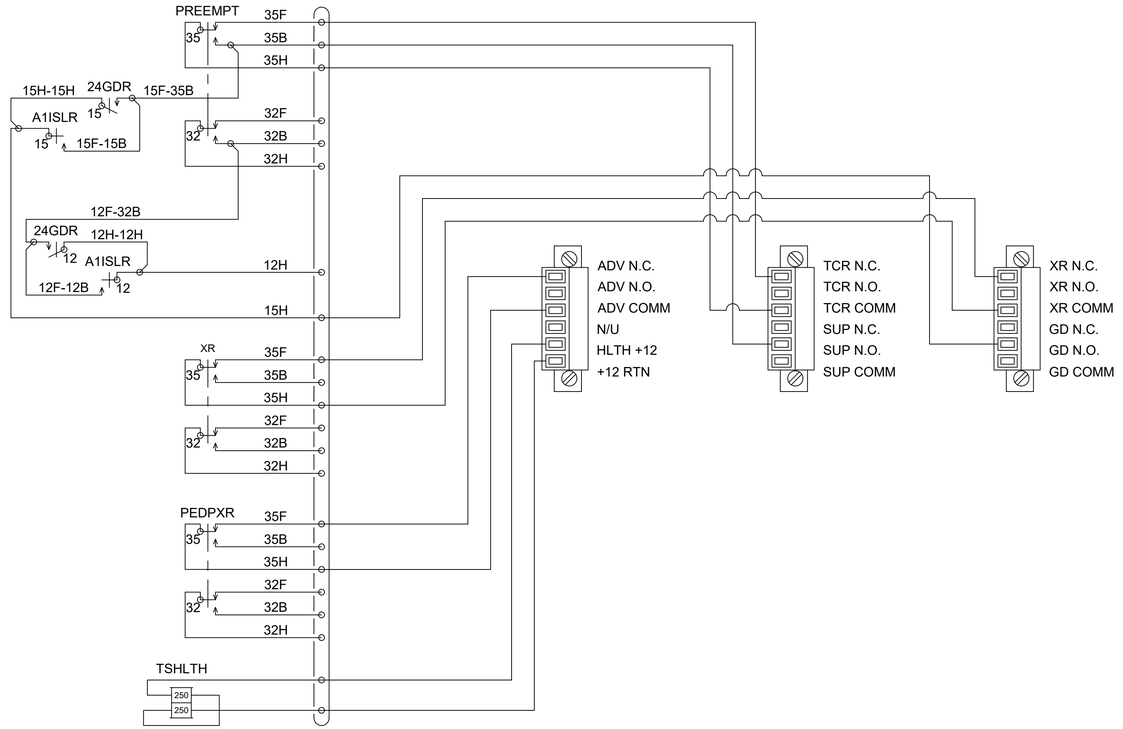
PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS

TRAFFIC
TERMINATION DIAGRAM - 7TH ST NW & W STEWART AVE

DRAWING No.: F1592-TSS102
FACILITY ID: F1592
SHEET No.: 142
REV: 0

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Xrefs:
xGB-TB22x34



RAILROAD PREEMPTION TERMINATIONS

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	4/17/2023	BN	SZR	YLW	FINAL AS-BUILT

DESIGNED BY: Y. WANG
DRAWN BY: B. NIEHOFF
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APPROVED BY: Y. WANG

concord ENGINEERING
HENSEL PHELPS Plan. Build. Manage.
kpff

SUBMITTED BY: SARA ROBERTS
DATE: 4/17/2023
REVIEWED BY: GREG SHIMIZU
DATE: 4/17/2023

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT

SCALE: NTS
FILENAME: S317-F1592-TSS103
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 4/17/2023

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
TRAFFIC
SIGNALIZATION SCHEDULES - RAILROAD PREEMPTION TERMINATION DIAGRAM

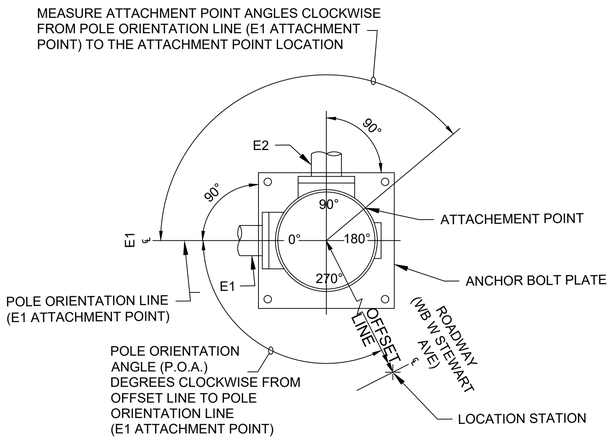
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FACILITY ID: F1592
SHEET No.: 143
REV: 0

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Xrefs:
xGB-TB22x34

LEGEND

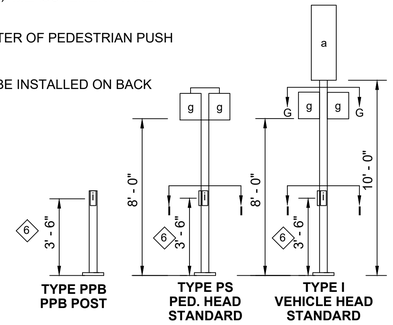
- a VEHICLE DISPLAY
- b MAST ARM MOUNTED SIGN
- c STREET NAME SIGN
- d PRE-EMPT DETECTOR
- e POLE MOUNTED SIGN
- f LUMINAIRE
- g PEDESTRIAN DISPLAY
- h TERMINAL CABINET
- i APS PPB-M
- j HANDHOLE
- k VIDEO DETECTION CAMERA

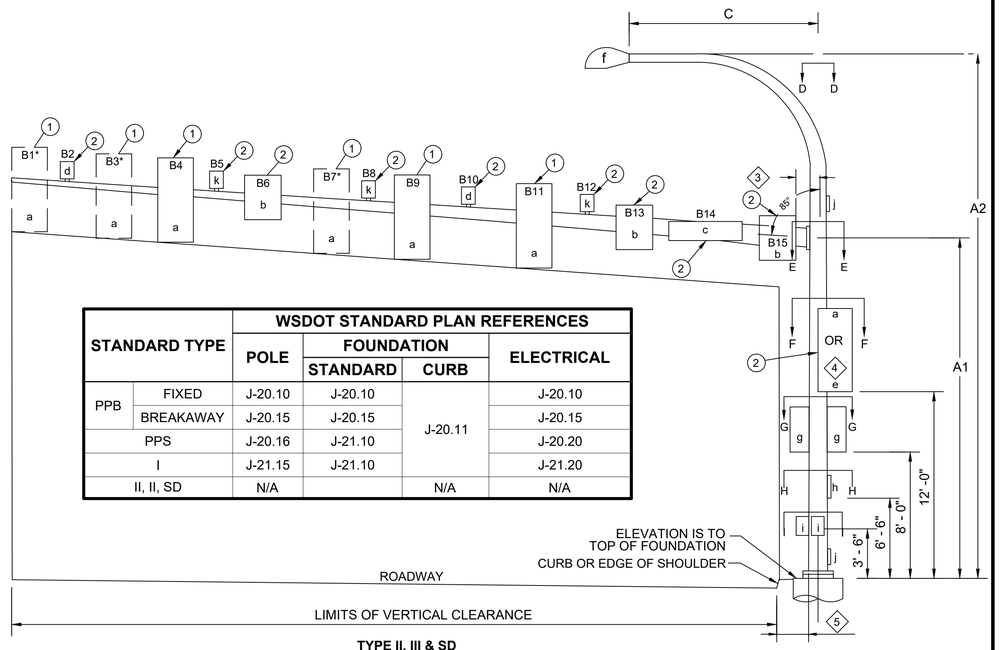


POLE ORIENTATION AND ATTACHMENT POINT DETAIL

NOTES

1. MOUNTING COUPLING INSTALLED AT OFFSET DISTANCE INDICATED IN CHART. FOR TYPE N MOUNTS ONLY, DRILL 1" DIA. HOLE IN MAST ARM AND INSTALL PLASTIC SPLIT BUSHING FOR CABLE ENTRANCE.
2. FIELD INSTALLED. SIGN SIZES WILL NOT EXCEED THE MAXIMUM VALUES LISTED HERE: 72 (FT²)
3. 1' - 0" MIN. TO 2' - 6" MAX. FROM POLE CENTERLINE TO SIGN EDGE
4. FOR POST MOUNTED SIGNS THERE WILL BE 2' - 0" MIN. FROM THE FACE OF THE CURB OR THE EDGE OF THE SHOULDER TO THE EDGE OF THE SIGN
5. PLACEMENT WILL BE 2' - 0" MIN. FROM FACE OF CURB OR EDGE OF SHOULDER; 3' - 0" MIN. FROM FACE OF GUARDRAIL; 4' - 0" MIN. FROM CONC. BARRIER TYPE 2 (MEASURED FROM A POINT WHERE THE BARRIER BASE MEETS THE SHOULDER SURFACE (TOE). MEASUREMENT TAKEN FROM TRAFFIC SIDE OF BARRIER; TO FACE OF POLE)
6. 3' - 6" MEASURED FROM SIDEWALK SURFACE TO CENTER OF PEDESTRIAN PUSH BUTTON
7. FIELD INSTALLED. VIDEO DETECTION CAMERA SHALL BE INSTALLED ON BACK SIDE OF MAST ARM.





TYPE II, III & SD SIGNAL STANDARD

STANDARD TYPE		WSDOT STANDARD PLAN REFERENCES			
		POLE	FOUNDATION		ELECTRICAL
			STANDARD	CURB	
PPB	FIXED	J-20.10	J-20.10	J-20.11	J-20.10
	BREAKAWAY	J-20.15	J-20.15		J-20.15
PPS		J-20.16	J-21.10		J-20.20
I		J-21.15	J-21.10		J-21.20
II, II, SD		N/A		N/A	N/A

SIGNAL STANDARD DETAIL CHART (7TH ST NW / W STEWART AVE)

STD. No.	FIELD LOCATION				P.O.A	POLE TYPE	ARM LENGTH (FT)	MOUNTING HEIGHT (FT)		SIGNAL MAST ARM DATA																												LUMINAIRE ARM (FT)	LUMINAIRE TYPE **	CALCULATE POLE XYZ (FT³)	FOUNDATION DESIGN XYZ (FT³)	SOIL BEARING PRESSURE (PSF)	POLE ATTACHMENT POINT ANGLES (deg.)							FOUNDATION DESIGN XYZ (FT³)				
										OFFSETS (FT) (POLE TO ATTACHMENT POINT)															WINDLOAD AREAS (FT²) (X) (Y)																											ALTERNAT E 1			ALTERNAT E 2	
	STATION	OFFSET	LT.	RT.				A1	A2	B1*	B2	B3*	B4	B5	B6	B7*	B8	B9	B10	B11	B12	B13	B14	B15	B1	B2	B3	B4	B5	B6	B7	B8	B9	B10	B11	B12	B13	B14	B15	C					D	E	F	G1	G2	H	I	3' RD	3' SQ	4' RD	3' RD	4'RD
1	R03 13+6.5	43.4	LT.		4	III	59	19.5	30	58	54	50	46	44		42		38	33.5	29	23	17	10		9.2		9.2	9.2			9.2		9.2		9.2		6	12		12	LEOTEK GC2 90F, 4000K LED TYPE II	2694	3000	1000	0	0		180		180		20'	12'	12'	28'	15'
2	R01 15+1.2	63.3	LT.		0	III	40	19.5	30				39.5		35			30	28	22	19		11					11.6		7.5		9.2		9.2			12		12	LEOTEK GC2 90F, 4000K LED TYPE II	1384	1500	1000	0	0		180	270	180	270	11'	9'	9'	15'	12'
3	R02 10+57.8	35.2	LT.		0	PPB																																												270					
4	R02 10+43.9	27.8		RT.	0	III	24	19.5	30				23.5					15.5		7.5			5	2				9.2				9.2		9.2			12	6	12	LEOTEK GC2 90F, 4000K LED TYPE II	552	700	1000	0	0		270		180		10'	8'	8'	10'	8'
5	R02 10+18.8	43.6		RT.	0	PS																																												185			345					
6	R01 16+9.1	30.1		RT.	0	III	30	19.5	30				29.5		26.5		24	21.5	17.5	13.5		9.5	5.5					11.6		7.5		9.2		9.2			12	12		12	LEOTEK GC2 90F, 4000K LED TYPE II	1095	1350	1000	0	0		270		180		11'	9'	9'	11'	9'
7	R03 12+90.9	44.6		RT.	0	PPB																																												345					
8	R01 15+2.7	54.5		RT.	0	PPB																																												180					
9	R02 10+39.6	26.5		RT.	0	PPB																																												270					
10	R03 12+35.5	25.4		RT.	0	I																																													275					

* TENON ON BACK SIDE OF MAST ARM.

** APPROVED EQUAL LUMINAIRE IS ACCEPTABLE AND MUST MEET SAME PERFORMANCE CRITERIA.

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	4/17/2023	BN	SZR	YLW	FINAL AS-BUILT

DESIGNED BY: Y. WANG
DRAWN BY: B. NIEHOFF
CHECKED BY: S. RAHMAN
APPROVED BY: Y. WANG

concord ENGINEERING
SUBMITTED BY: SARA ROBERTS

HENSEL PHELPS Plan. Build. Manage. kpff
DATE: 4/17/2023
REVIEWED BY: GREG SHIMIZU

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT
DATE: 4/17/2023

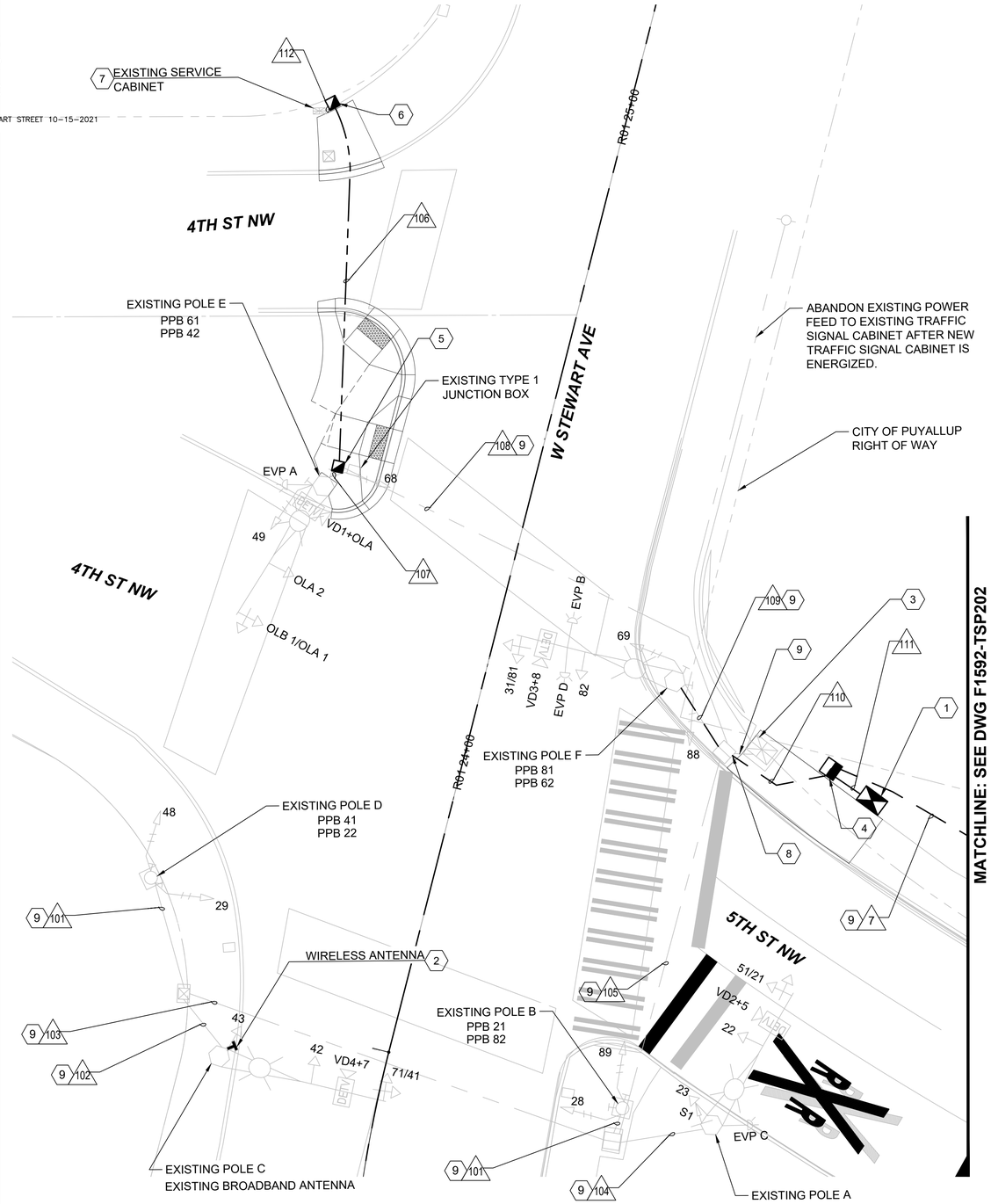
SCALE: NTS
FILENAME: S317-F1592-TSD101
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 4/17/2023

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
TRAFFIC
SIGNAL STANDARD DETAIL CHART

DRAWING No.: F1592-TSD101
FACILITY ID: F1592
SHEET No.: 144
REV: 0

05/08/23 | 10:50 AM | MASHARUL.KABIR
H:\(P) PROJECTS\2018\18.57 (KPFF) ST PUYALLUP STATION DESIGN BUILD\04 CAD\01 SHEETS\S317-F1592-TSD101.DWG

Xrefs:
xGB-TB22x34
dS317-F1592-CAP10
xS317-F1592-CDP10
xS317-F1592-CLP10
xS317-F1592-CMP10
xS317-F1592-CSP10
xS317-F1592-TSP10
xS317-F1592-UCP10
xS317-F1592-UPP10
xS317-F1592-VRX10
xS317-F1592-TSP10
2020-046 TOPO STEWART STREET 10-15-2021



MATCHLINE: SEE DWG F1592-TSP202

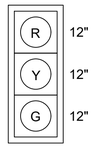
VEHICLE SIGNAL HEADS



22, 23, 42, 43, OLA 2, 82
EXISTING



OLB1/OLA 1, 31/81
51/21, 71/41
EXISTING



61*, 62*
63*
NEW

* PRESIGNALS SHOWN ON F1592-TSP202

EXISTING BLANK OUT SIGN



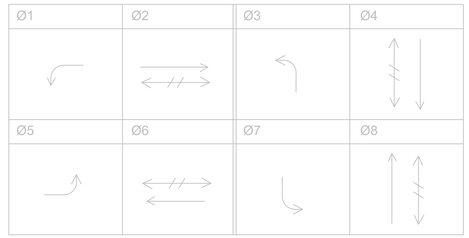
S1

EXISTING PEDESTRIAN SIGNAL HEADS



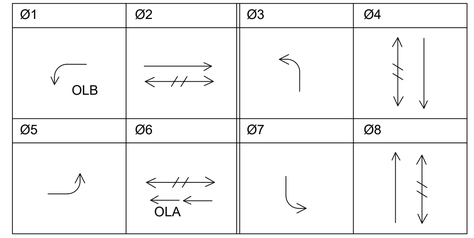
28, 29, 48, 49
68, 69, 88, 89

EXISTING PHASE DIAGRAM (W STEWART AVE & 4THST NW)



PROTECTED VEHICLE MOVEMENT
PEDESTRIAN MOVEMENT

PROPOSED PHASE DIAGRAM (W STEWART AVE & 4THST NW)



PROTECTED VEHICLE MOVEMENT
PEDESTRIAN MOVEMENT

PREEMPTION SCHEDULE	
EVP	PHASE
EX A	Ø2 & Ø5
EX B	Ø4 & Ø7
EX C	Ø6, OLA & OLB
EX D	Ø8 & Ø3

NOTES

1. FOR GENERAL NOTES, SYMBOLS, AND ABBREVIATIONS, SEE F1592-TSN101.
2. SIGNAL EQUIPMENT LOCATIONS SHOWN AT W STEWART AVE AND 4TH ST NW ARE APPROXIMATE.
3. SEE F1592-TSS202 FOR WIRING SCHEDULE.
4. SEE FI592-TSS203 FOR TERMINATIONS.
5. MAINTAIN EXISTING RAILROAD SIGNAL INTERCONNECT AT ALL TIMES.

KEY NOTES:

1. CONSTRUCT FOUNDATION AND INSTALL NEW 350i ATC TRAFFIC SIGNAL CABINET AND NEW 2070 ATC CONTROLLER WITH OMNI CONTROL SOFTWARE PER WSDOT STANDARD PLAN J-10.10. SEE CABINET FOUNDATION AND CABINET LAYOUT DETAIL ON F1592-TSP202. INSTALL McCAIN RAIL ROAD 3 SDLC INTERFACE PANEL AND BATTERY BACKUP SYSTEM INSIDE CABINET. TERMINATE NEW WIRING IN NEW CONTROLLER CABINET FOR COMPLETE AND OPERATIONAL TRAFFIC SIGNAL SYSTEM. RAILROAD SIGNAL INTERCONNECT CABLE WILL BE MAINTAINED AT ALL TIMES DURING CONSTRUCTION. RETURN OLD CABINET& CONTROLLER TO CITY OF PUYALLUP. FIBER INTERCONNECT (144 STRAND) BETWEEN 4TH ST NW & W STEWART AVE AND 5TH ST NW & 2ND AVE NW SHALL BE FULLY OPERATIONAL AND INSTALLED USING HARDWARE PER SPECIFICATIONS.
2. REPLACE OLD RADIO ANTENNA ON LUMINAIRE BRACKET ARM WITH NEW WIRELESS ANTENNA. INSTALL NEW SIERRA WIRELESS INTERCONNECT ROUTER INSIDE THE CONTROLLER CABINET.
3. REMOVE EXISTING TRAFFIC SIGNAL CABINET AND FOUNDATION. CUT AND CAP THE EXISTING CONDUITS UNDER EXISTING FOUNDATION.
4. INSTALL TYPE 8 JUNCTION BOX PER WSDOT STANDARD PLAN J-40.30.
5. REPLACE EXISTING JUNCTION BOX WITH A TYPE 2 JUNCTION BOX PER WSDOT STANDARD PLANJ-40.10.
6. INTERCEPT EXISTING CONDUIT WITH NEW TYPE 2 JUNCTION BOX PER WSDOT STANDARD PLAN J-40.10.
7. INSTALL A 50 AMP BREAKER FOR TRAFFIC SIGNAL CABINET AT 4TH AND STEWART. CONNECT 4TH AND STEWART INTERSECTION LIGHTING CIRCUIT TO EXISTING 2 POLE 40 AMP SPARE BREAKER.
8. INSTALL CONDUITS TO EXISTING JUNCTION BOX.
9. MAINTAIN EXISTING SIGNAL CABLES IN SERVICE UNTIL NEW SIGNAL CABLES ARE PULLED THROUGH CONDUITS AND ENERGIZED.

10 5 0 10 20
SCALE IN FEET

N

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	4/17/2023	BN	SZR	YLW	FINAL AS-BUILT

DESIGNED BY: Y. WANG
DRAWN BY: B. NIEHOFF
CHECKED BY: S. RAHMAN
APPROVED BY: Y. WANG

concord ENGINEERING
HENSEL PHELPS Plan. Build. Manage.
kpff
SOUNDTRANSIT

LINE IS 1" AT FULL SCALE

SUBMITTED BY: SARA ROBERTS
DATE: 4/17/2023
REVIEWED BY: GREG SHIMIZU
DATE: 4/17/2023

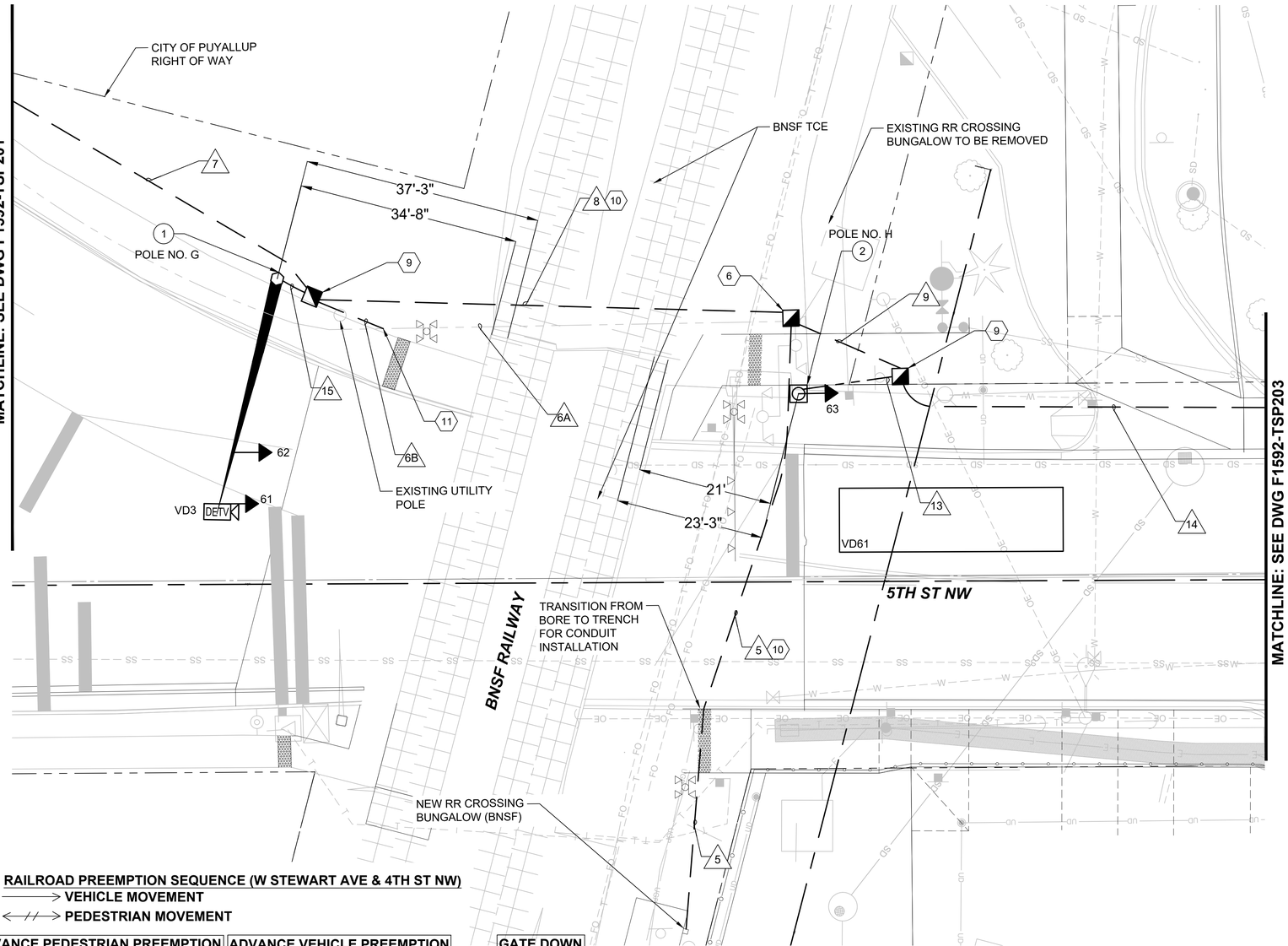
SCALE: 1" = 20'
FILENAME: S317-F1592-TSP201
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 4/17/2023

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
TRAFFIC
SIGNALIZATION PLAN - 4TH ST NW & W STEWART AVE

DRAWING No.: F1592-TSP201
FACILITY ID: F1592
SHEET No.: 145
REV: 0

05/08/23 | 10:50 AM | MASHARUL.KABIR
H:\(P) PROJECTS\2018\18.57 (KPFF) ST PUYALLUP STATION DESIGN BUILD\04 CAD\01 SHEETS\S317-F1592-TSP201.DWG

Xrefs:
xGB-TB22x34
dS317-F1592-CAP10
xS317-F1592-CDP10
xS317-F1592-CLP10
xS317-F1592-CSP10
xS317-F1592-TSP10
xS317-F1592-UCP10
xS317-F1592-UPP10
xS317-F1592-VRX10
xS317-F1592-TSP10
xS317-F1592-CMP10



CONSTRUCTION NOTES:

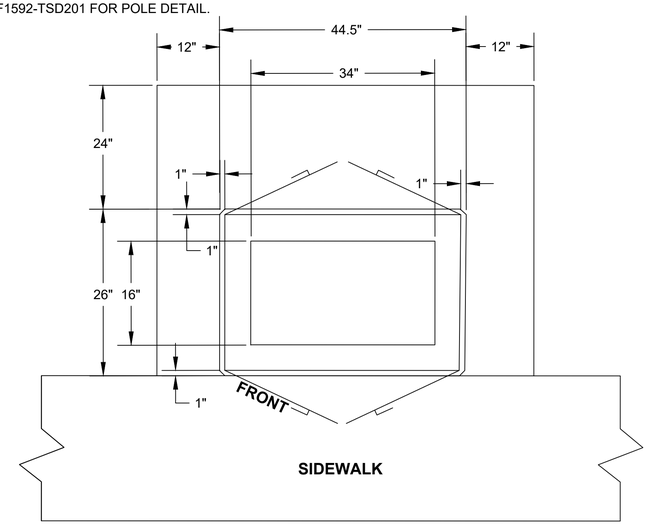
1. CONSTRUCT FOUNDATION PER WSDOT STANDARD PLAN J-26.10 AND INSTALL TYPE II SIGNAL POLE WITH 38 FT MAST ARM AND RECESSED TERMINAL COMPARTMENT PER CITY OF PUYALLUP STANDARD DETAIL 01.06.02. INSTALL TWO VEHICLE SIGNAL HEADS, ONE EMERGENCY VEHICLE PREEMPTION DETECTOR, ONE VIDEO DETECTION CAMERA ON THE MAST ARM (SEE PROJECT SPECIFICATIONS FOR VIDEO DETECTION CAMERA REQUIREMENTS AT THE LOCATION - CAMERA WILL BE COMPATIBLE WITH THE TRAFFIC SIGNAL ADAPTIVE TRAFFIC CONTROL SYSTEM).
2. CONSTRUCT FOUNDATION PER WSDOT STANDARD PLAN J-21.10. INSTALL TYPE I SIGNAL POLE AND ONE VEHICLE SIGNAL HEAD.

KEY NOTES:

6. INTERCEPT EXISTING CONDUIT WITH NEW TYPE 2 JUNCTION BOX PER WSDOT STANDARD PLAN J-40.10.
9. INSTALL TYPE 2 JUNCTION BOX PER WSDOT STANDARD PLAN J-40.10.
10. DIRECT BORE WITHIN BNSF TCE.
11. INTERCEPT EXISTING CONDUIT AND JOIN WITH THE NEW CONDUIT SHOWN IN THE WIRING SCHEDULE.

NOTES

1. FOR GENERAL NOTES, SYMBOLS, AND ABBREVIATIONS, SEE F1592-TSN101.
2. VIDEO DETECTION ZONES SHOWN ARE APPROXIMATE. PRECISE LOCATIONS WILL BE FIELD VERIFIED WITH ENGINEER.
3. SEE F1592-TSS202 FOR WIRING SCHEDULE.
4. SEE F1592-TSP201 FOR VEHICLE SIGNAL HEADS.
5. SEE F1592-TSS103 FOR RAILROAD PREEMPTION TERMINATIONS.
6. SEE F1592-TSD201 FOR POLE DETAIL.



CABINET FOUNDATION AND LAYOUT DETAIL

RAILROAD PREEMPTION SEQUENCE (W STEWART AVE & 4TH ST NW)

VEHICLE MOVEMENT

PEDESTRIAN MOVEMENT

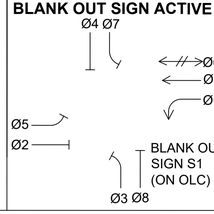
ADVANCE PEDESTRIAN PREEMPTION

TERMINATE ANY ACTIVE PEDESTRIAN MOVE WITH 14 SECONDS OF PEDESTRIAN CLEARANCE, OMIT ANY NEW PEDESTRIAN MOVEMENTS

ALL VEHICLE PHASES OPERATE NORMALLY

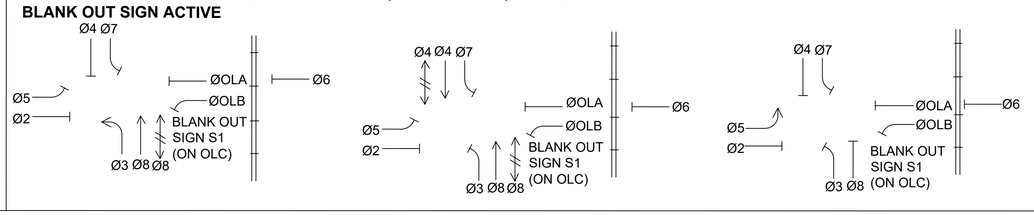
ADVANCE VEHICLE PREEMPTION

CLEAR TRACK PHASES: OLA & OLB
BLANK OUT SIGN ACTIVE



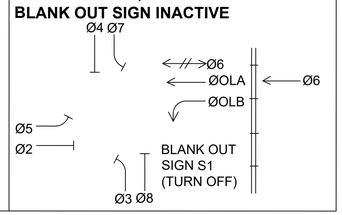
GATE DOWN

PREEMPTION HOLD INTERVALS: PHASES 3 & 8, PHASES 4 & 8, PHASE 5
BLANK OUT SIGN ACTIVE



NORMAL

EXIT PHASES: 6, OLA & OLB
BLANK OUT SIGN INACTIVE





FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	4/17/2023	BN	SZR	YLW	FINAL AS-BUILT

DESIGNED BY: Y. WANG
DRAWN BY: B. NIEHOFF
CHECKED BY: S. RAHMAN
APPROVED BY: Y. WANG

concord ENGINEERING
HENSEL PHELPS Plan. Build. Manage.
kpff
SOUNDTRANSIT

LINE IS 1" AT FULL SCALE

SUBMITTED BY: SARA ROBERTS
DATE: 4/17/2023
REVIEWED BY: GREG SHIMIZU
DATE: 4/17/2023

SCALE: 1" = 20'
FILENAME: S317-F1592-TSP202
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 4/17/2023

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS

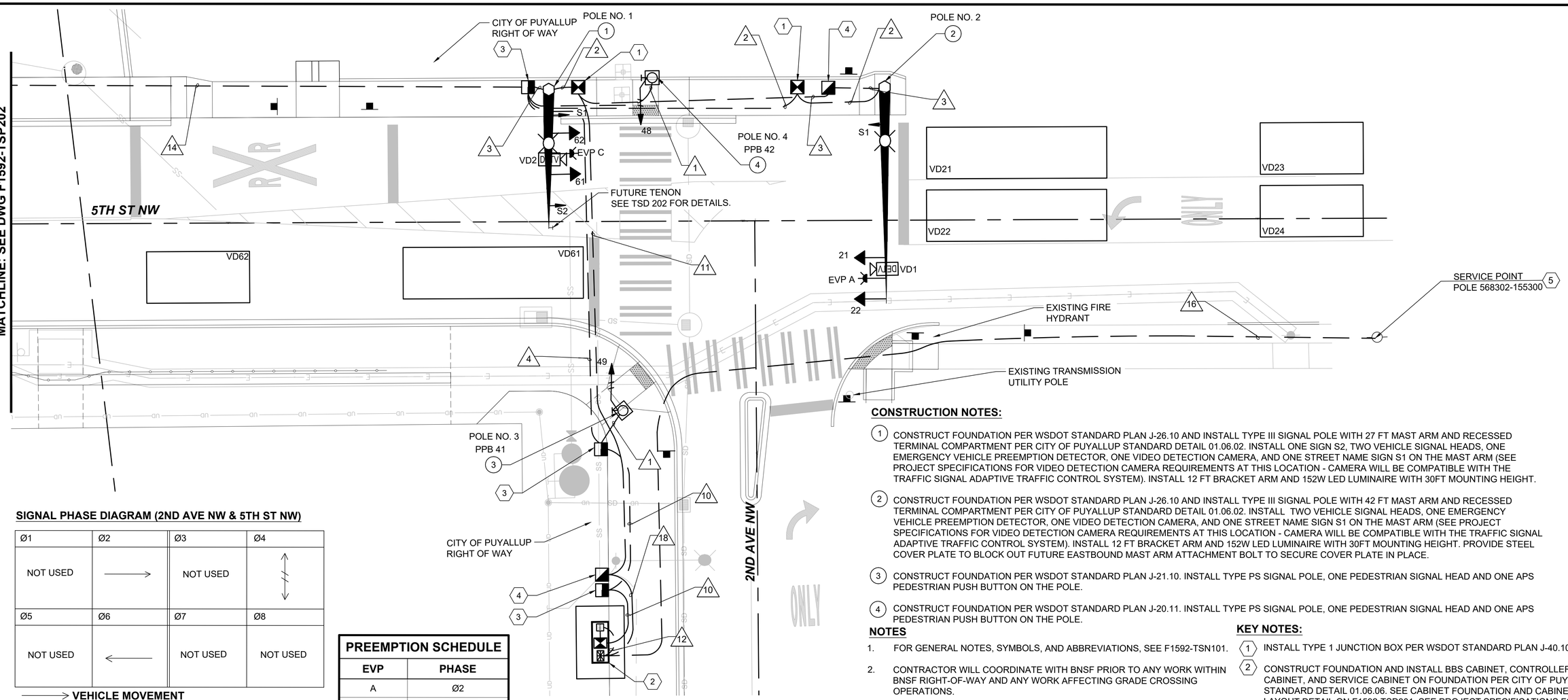
TRAFFIC
SIGNALIZATION PLAN - 5TH ST NW

DRAWING No.: F1592-TSP202
FACILITY ID: F1592
SHEET No.: 146
REV: 0

05/08/23 | 10:51 AM | MASHARUL.KABIR
H:\(P) PROJECTS\2018\18.57 (KPFF) ST PUYALLUP STATION DESIGN BUILD\04 CAD\01 SHEETS\S317-F1592-TSP202.DWG

Xrefs:
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dS317-F1592-CAP100
xS317-F1592-CDP100
xS317-F1592-CMP100
xS317-F1592-CSP100
xS317-F1592-TSP100
xS317-F1592-UCP100
xS317-F1592-UPP100
xS317-F1592-TSP101
xS317-F1592-CLP100
xS317-F1592-VRX100

MATCHLINE: SEE DWG F1592-TSP202



SIGNAL PHASE DIAGRAM (2ND AVE NW & 5TH ST NW)

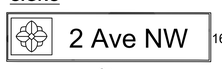
Ø1	Ø2	Ø3	Ø4
NOT USED	→	NOT USED	↕
Ø5	**Ø6**	**Ø7**	**Ø8**
NOT USED	←	NOT USED	NOT USED

→ VEHICLE MOVEMENT
←//→ PEDESTRIAN MOVEMENT

PREEMPTION SCHEDULE

EVP	PHASE
A	Ø2
C	Ø6

SIGNS

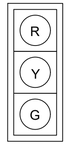


S1



30"
R10-12
S2

VEHICLE SIGNAL HEADS



21, 22, 61, 62

PEDESTRIAN SIGNAL HEADS

LED COUNTDOWN

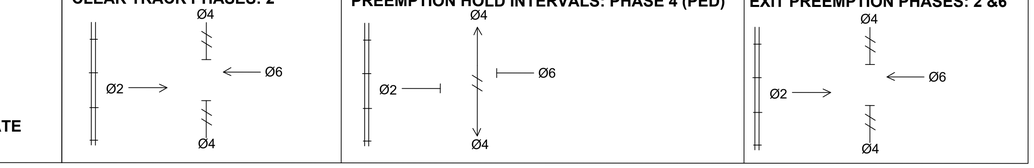


48, 49

RAILROAD PREEMPTION SEQUENCE (2ND AVE NW & 5HT ST NW)

→ VEHICLE MOVEMENT
←//→ PEDESTRIAN MOVEMENT

ADVANCE PEDESTRIAN PREEMPTION	ADVANCE VEHICLE PREEMPTION	GATE DOWN	NORMAL
TERMINATE ANY ACTIVE PEDESTRIAN MOVE WITH 14 SECONDS OF PEDESTRIAN CLEARANCE, OMIT ANY NEW PEDESTRIAN MOVEMENTS ALL VEHICLE PHASES OPERATE NORMALLY	CLEAR TRACK PHASES: 2	PREEMPTION HOLD INTERVALS: PHASE 4 (PED)	EXIT PREEMPTION PHASES: 2 &6



CONSTRUCTION NOTES:

1. CONSTRUCT FOUNDATION PER WSDOT STANDARD PLAN J-26.10 AND INSTALL TYPE III SIGNAL POLE WITH 27 FT MAST ARM AND RECESSED TERMINAL COMPARTMENT PER CITY OF PUYALLUP STANDARD DETAIL 01.06.02. INSTALL ONE SIGN S2, TWO VEHICLE SIGNAL HEADS, ONE EMERGENCY VEHICLE PREEMPTION DETECTOR, ONE VIDEO DETECTION CAMERA, AND ONE STREET NAME SIGN S1 ON THE MAST ARM (SEE PROJECT SPECIFICATIONS FOR VIDEO DETECTION CAMERA REQUIREMENTS AT THIS LOCATION - CAMERA WILL BE COMPATIBLE WITH THE TRAFFIC SIGNAL ADAPTIVE TRAFFIC CONTROL SYSTEM). INSTALL 12 FT BRACKET ARM AND 152W LED LUMINAIRE WITH 30FT MOUNTING HEIGHT.
2. CONSTRUCT FOUNDATION PER WSDOT STANDARD PLAN J-26.10 AND INSTALL TYPE III SIGNAL POLE WITH 42 FT MAST ARM AND RECESSED TERMINAL COMPARTMENT PER CITY OF PUYALLUP STANDARD DETAIL 01.06.02. INSTALL TWO VEHICLE SIGNAL HEADS, ONE EMERGENCY VEHICLE PREEMPTION DETECTOR, ONE VIDEO DETECTION CAMERA, AND ONE STREET NAME SIGN S1 ON THE MAST ARM (SEE PROJECT SPECIFICATIONS FOR VIDEO DETECTION CAMERA REQUIREMENTS AT THIS LOCATION - CAMERA WILL BE COMPATIBLE WITH THE TRAFFIC SIGNAL ADAPTIVE TRAFFIC CONTROL SYSTEM). INSTALL 12 FT BRACKET ARM AND 152W LED LUMINAIRE WITH 30FT MOUNTING HEIGHT. PROVIDE STEEL COVER PLATE TO BLOCK OUT FUTURE EASTBOUND MAST ARM ATTACHMENT BOLT TO SECURE COVER PLATE IN PLACE.
3. CONSTRUCT FOUNDATION PER WSDOT STANDARD PLAN J-21.10. INSTALL TYPE PS SIGNAL POLE, ONE PEDESTRIAN SIGNAL HEAD AND ONE APS PEDESTRIAN PUSH BUTTON ON THE POLE.
4. CONSTRUCT FOUNDATION PER WSDOT STANDARD PLAN J-20.11. INSTALL TYPE PS SIGNAL POLE, ONE PEDESTRIAN SIGNAL HEAD AND ONE APS PEDESTRIAN PUSH BUTTON ON THE POLE.

NOTES

1. FOR GENERAL NOTES, SYMBOLS, AND ABBREVIATIONS, SEE F1592-TSN101.
2. CONTRACTOR WILL COORDINATE WITH BNSF PRIOR TO ANY WORK WITHIN BNSF RIGHT-OF-WAY AND ANY WORK AFFECTING GRADE CROSSING OPERATIONS.
3. SEE F1592-TSS201 FOR WIRING SCHEDULE.
4. SEE F1592-TSS103 RAILROAD PREEMPTION TERMINATIONS.
5. VIDEO DETECTION ZONES SHOWN ARE APPROXIMATE. PRECISE LOCATIONS WILL BE FIELD VERIFIED WITH ENGINEER.
6. SEE F1592-TSD202 FOR POLE DETAIL.

KEY NOTES:

1. INSTALL TYPE 1 JUNCTION BOX PER WSDOT STANDARD PLAN J-40.10.
2. CONSTRUCT FOUNDATION AND INSTALL BBS CABINET, CONTROLLER CABINET, AND SERVICE CABINET ON FOUNDATION PER CITY OF PUYALLUP STANDARD DETAIL 01.06.06. SEE CABINET FOUNDATION AND CABINET LAYOUT DETAIL ON F1592-TSD301. SEE PROJECT SPECIFICATIONS FOR ADAPTIVE TRAFFIC CONTROL EQUIPMENT REQUIRED IN THE TRAFFIC SIGNAL CABINET. FIELD LOCATE LANDSCAPE PLANTING PER ENGINEER ON-SITE DIRECTION TO ALLOW ROOM FOR BOTH THE SIGNAL CABINET AND FOR THE REQUIRED QUANTITY OF LANDSCAPE PLANTINGS PER DP-2F1592-LPP103 TO ALLOW THE SIGNAL CABINET TO LOCATED BEHIND THE SIDEWALK.
3. INSTALL TYPE 8 JUNCTION BOX PER WSDOT STANDARD PLAN J-40.30.
4. INSTALL TYPE 2 JUNCTION BOX PER WSDOT STANDARD PLAN J-40.10.
5. PROVIDE (1) 3" CONDUIT RISER ON EAST SIDE OF POLE TO 10'-0" ABOVE GRADE FOR PSE SERVICE CONNECTION. PULL SERVICE CONDUCTORS TO TOP OF RISER AND COIL 15' FOR CONNECTION BY PSE.

10 5 0 10 20
SCALE IN FEET

N

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	4/17/2023	BN	SZR	YLW	FINAL AS-BUILT

DESIGNED BY: Y. WANG
DRAWN BY: B. NIEHOFF
CHECKED BY: S. RAHMAN
APPROVED BY: Y. WANG

concord ENGINEERING
HENSEL PHELPS Plan. Build. Manage.
kpff
LINE IS 1" AT FULL SCALE
SOUNDTRANSIT

SUBMITTED BY: SARA ROBERTS
DATE: 4/17/2023
REVIEWED BY: GREG SHIMIZU
DATE: 4/17/2023

SCALE: 1" = 20'
FILENAME: S317-F1592-TSP203
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 4/17/2023

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS

TRAFFIC
SIGNALIZATION PLAN - 5TH ST NW

DRAWING No.: F1592-TSP203
FACILITY ID: F1592
SHEET No.: 147
REV: 0

05/08/23 | 10:51 AM | MASHARUL.KABIR
H:\(P) PROJECTS\2018\18.57 (KPFF) ST PUYALLUP STATION DESIGN BUILD\04 CAD\01 SHEETS\S317-F1592-TSP203.DWG

Xrefs:
xGB-TB22x34

WIRING SCHEDULE (5TH ST NW & 2ND AVE NW, 4TH ST NW & STEWART AVE)

RUN NO. (#)	SPAN OR CONDUIT SIZE	EXISTING CONDUCTORS	VEHICLE HEADS 5C	PED HEADS 3C	PPB 2C(SH)	PREEMPT 3C(SH)	PREEMPT INDICATOR LIGHT 2C(SH)	RAIL ROAD PREEMPT CABLE 12COND	VIDEO DETECTION CAT5E	VIDEO DETECTION POWER CABLE 3C	FIBER OPTIC CABLE 144 CT	ILLUMINATION	GROUND #6	SIGNAL SERVICE	WIRELESS ANTENNA CABLE	SERVICE	REMARKS
1	2" SCH 80 PVC			1	1								1				
2	2"SCH 80 PVC											2-#6	1				
3	3" SCH 80 PVC		1			1	1		1	1			1				
4	3" SCH 80 PVC		2	1	1	2	2		2	2			1				
	3" SCH 80 PVC							1			1		1				
5	3" SCH 80 HDPE							2					1				
6	EX 2"												1				
7	2" SCH 80 PVC		2						1	1			1				
	2" SCH 80 PVC							1			1		1				
8	2" SCH 80 HDPE		1					1			1		1				
9	3" SCH 80 PVC		1					1			1		1				
10	3" SCH 80 PVC		2	2	2	2	2		2	2			1				
	3" SCH 80 PVC							1			1		1				
	3" SCH 80 PVC																SPARE
11	2" SCH 80 PVC											2-#6	1				
12	2" RGS												1	2-#6			
13	2" SCH 80 PVC		1										1				
14	2" SCH 80 PVC							1			1		1				
15	2" SCH 80 PVC		1			1	1		1	1			1				
16	3" SCH 80 PVC															3-#3/0	PSE SERVICE ENTRANCE CONDUIT
17	EX 4"	4-7C, 12-5C, 8-2CS, 4-3C, 4-VIDEO DETECTION CABLE, 1-CAT6(ATT), 1-5C (BLANK OUT SIGN)	2						1	1			1		1		
	EX 2"							1			1						
	EX 1.5"	2-#8															
18	2" SCH 80 PVC											3-#6	1				
19	EX	EXISTING CONDUCTORS													1		

PEDESTRIAN SIGNALS

	TERMINAL #	HEAD #
R	721	NOT USED
G	722	
W	726	
R	741	48
G	742	
W	746	49
R	761	NOT USED
G	762	
W	766	
R	781	NOT USED
G	782	
W	786	

3C
3C

PEDESTRIAN PUSH BUTTONS

	TERMINAL #	HEAD #
B	724	NOT USED
W	725	
B	744	41
W	745	42
B	764	NOT USED
W	765	
B	784	NOT USED
W	785	

2C(SH)
2C(SH)

EVP DETECTORS

	TERMINAL #	
BL	5AC3	DC-
BL	5BD3	
Y	5A2	EVA
Y	5C2	EVC
O	5AC1	DC+
Y	5B2	EVB
Y	5D2	EVD
O	5BD1	DC+

1-3C(SH)
1-3C(SH)

EVP INDICATOR LIGHTS (AUX) INTERFACE PANEL

	TERMINAL #	TB2
B	5A4	1
B	5B4	2
B	5C4	3
B	5D4	4
W	NB	

2C(SH)
2C(SH)

POWER

	TERMINAL #	
B	501	AC+
GRD		GRD
W	503	AC-

VEHICLE SIGNALS

R	611		
O	612		
G	613		
B	614		
W	616		
R	621	21	
O	622		
G	623		
B	624		
W	626		5C
R	631	22	
O	632		
G	633		
B	634		
W	636		
R	641		
O	642		
G	643		
B	644		
W	646		
R	651		
O	652		
G	653		
B	654		
W	656		
R	661	61	
O	662		
G	663		
B	664	62	
W	666		5C
R	671		
O	672		
G	673		
B	674		
W	676		
R	681		
O	682		
G	683		
B	684		
W	686		
R	6A1		
O	6A2		
G	6A3		
B	6A4		
W	6A6		
R	6B1		
O	6B2		
G	6B3		
B	6B4		
W	6B6		
R	6C1		
O	6C2		
G	6C3		
B	6C4		
W	6C6		
R	6D1		
O	6D2		
G	6D3		
B	6D4		
W	6D6		

CABINET WIRE TERMINATIONS (2ND AVE NW & 5TH ST NW)

POLE NO. 1

SIGNAL HEAD 61: R 661, Y 662, G 663, BK 664, W 666
SIGNAL HEAD 62: R 661, Y 662, G 663, BK 664, W 666
TERMINAL CABINET 1: R 661, O 662, G 663, BK 664, W 666
1-5C, 1-5C, 1-5C TO CONTROLLER

EVP C: 5C1 O, 5C2 Y, 5C3 BL
EVP INDICATOR LIGHT: 5C4 B, NB W
VD2 DETV, CAT6, 1-3C(SH), 1-2C(SH) TO CONTROLLER

POLE NO. 2

SIGNAL HEAD 21: R 621, Y 622, G 623, BK 624, W 626
SIGNAL HEAD 22: R 621, Y 622, G 623, BK 624, W 626
TERMINAL CABINET 2: R 621, O 622, G 623, BK 624, W 626
1-5C, 1-5C, 1-5C TO CONTROLLER

EVP A: 5A1 O, 5A2 Y, 5A3 BL
EVP INDICATOR LIGHT: 5A4 B, NB W
VD1 DETV, CAT6, 1-3C(SH), 1-2C(SH) TO CONTROLLER

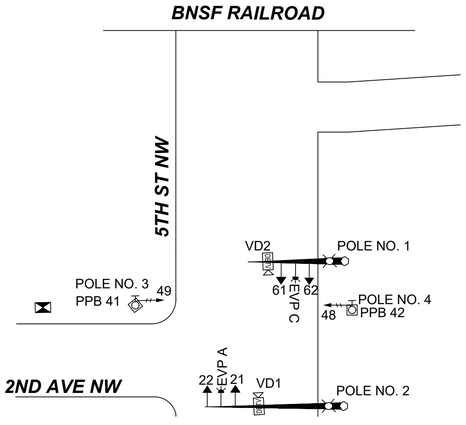
POLE NO. 3

PED. HEAD 49: R 741, G 742, W 746
PPB 41: O 744, BK 745
1-3C, 1-2C(SH) TO CONTROLLER

POLE NO. 4

PED. HEAD 48: R 741, G 742, W 746
PPB 42: O 744, BK 745
1-3C, 1-2C(SH) TO CONTROLLER

FIELD WIRE TERMINATIONS (2ND AVE NW & 5TH ST NW)



FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	4/17/2023	BN	SZR	YLW	FINAL AS-BUILT

DESIGNED BY: Y. WANG
DRAWN BY: B. NIEHOFF
CHECKED BY: S. RAHMAN
APPROVED BY: Y. WANG

concord ENGINEERING
HENSEL PHELPS Plan. Build. Manage.
kpff
LINE IS 1" AT FULL SCALE
SOUNDTRANSIT

SUBMITTED BY: SARA ROBERTS
DATE: 4/17/2023
REVIEWED BY: GREG SHIMIZU
DATE: 4/17/2023

SCALE: NTS
FILENAME: S317-F1592-TSS201
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 4/17/2023

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS

TRAFFIC
TERMINATION DIAGRAM - 5TH ST NW

DRAWING No.: F1592-TSS201
FACILITY ID: F1592
SHEET No.: 148
REV: 0

05/08/23 | 10:51 AM | MASHARUL.KABIR
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Xrefs:
xGB-TB22x34

WIRING SCHEDULE (4TH ST NW & STEWART AVE)

RUN NO. (#)	SPAN OR CONDUIT SIZE	EXISTING CONDUCTORS	VEHICLE HEADS 5C	PED HEADS 3C	PPB 2C(SH)	PREEMPT 3C(SH)	PREEMPT INDICATOR LIGHT 2C(SH)	BLANKOUT SIGN 2C	RAIL ROAD PREEMPT CABLE 12COND	VIDEO DETECTION CAT5E	VIDEO DETECTION POWER CABLE 3C	FIBER OPTIC CABLE 144 CT	GROUND #6	SIGNAL SERVICE	WIRELESS ANTENNA CABLE	ILLUMINATION SERVICE	REMARKS
101	EX 2"	EXISTING CONDUCTOR *		2	2								1				
102	EX 1.5"	EXISTING CONDUCTOR *	2							1	1		1		1		
	EX 1.5"	EXISTING CONDUCTOR *, 2-#8											1				
103	EX 3"	EXISTING CONDUCTOR *	2	2	2					1	1		1		1		
	EX 3"	EXISTING CONDUCTOR *															EMPTY
	EX 2"	EXISTING CONDUCTOR *, 2-#8											1				
104	EX 3"	EXISTING CONDUCTOR *	2			1		1		1	1		1				
	EX 2"	EXISTING CONDUCTOR *, 2-#8											1				
105	EX 3"	EXISTING CONDUCTOR *	2	2	2	1		1		1	1		1				
	EX 3"	EXISTING CONDUCTOR *	2	2	2					1	1		1		1		
	EX 3"	EXISTING CONDUCTOR *															EMPTY
	EX 2"	EXISTING CONDUCTOR *, 2-#8											1				
106	2" SCH 80 PVC												1	2-#6		2-#8	
	2" SCH 80 PVC																SPARE
107	EX 1.5"	EXISTING CONDUCTOR *, 2-#8	2	2	2	1				1	1		1				
	EX 1.5"	EXISTING CONDUCTOR *											1				
108	EX 2"	EXISTING CONDUCTOR *	2	2	2	1				1	1		1				
	EX 1.5"	EXISTING CONDUCTOR *, 2-#8											1	2-#6			
109	2" SCH 80 PVC	EXISTING CONDUCTOR *, 2-#8	2	2	2	1				1	1		1				INTERCEPT EX CONDUIT FROM POLE FOUNDATION AND CONNECT TO EX JB
110	3" SCH 80 PVC		4	4	4	2				2	2		1				
	3" SCH 80 PVC		4	4	4	1		1		2	2		1		1		
	3" SCH 80 PVC																SPARE
	2" SCH 80 PVC												1	2-#6			
111	3" SCH 80 PVC		4	4	4	2				2	2		1		1		
	3" SCH 80 PVC		4	4	4	1		1		2	2		1		1		
	3" SCH 80 PVC		2						1	1	1	1	1				
	2" SCH 80 PVC												1	2-#6			
112	EX 2"	EXISTING CONDUCTORS												2-#6		2-#8	
5	3" SCH 80 HDPE								2				1				
6A	EX 2"	EXISTING RAILROAD PREEMPTION CONDUCTORS											1				
6B	2" SCH 80 PVC																SPARE
7	2" SCH 80 PVC		2							1	1		1				
	2" SCH 80 PVC								1			1	1				
8	2" SCH 80 PVC		1						1			1	1				
9	3" SCH 80 PVC		1						1			1	1				
13	2" SCH 80 PVC		1										1				
14	2" SCH 80 PVC								1			1	1				
15	2" SCH 80 PVC		1			1	1			1	1		1				

* REMOVE EXISTING CONDUCTORS

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	4/17/2023	BN	SZR	YLW	FINAL AS-BUILT

DESIGNED BY: Y. WANG
DRAWN BY: B. NIEHOFF
CHECKED BY: S. RAHMAN
APPROVED BY: Y. WANG

concord ENGINEERING
HENSEL PHELPS Plan. Build. Manage.
kpff
SOUNDTRANSIT

LINE IS 1" AT FULL SCALE

SUBMITTED BY: SARA ROBERTS
DATE: 4/17/2023
REVIEWED BY: GREG SHIMIZU
DATE: 4/17/2023

SCALE: NTS
FILENAME: S317-F1592-TSS202
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 4/17/2023

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS

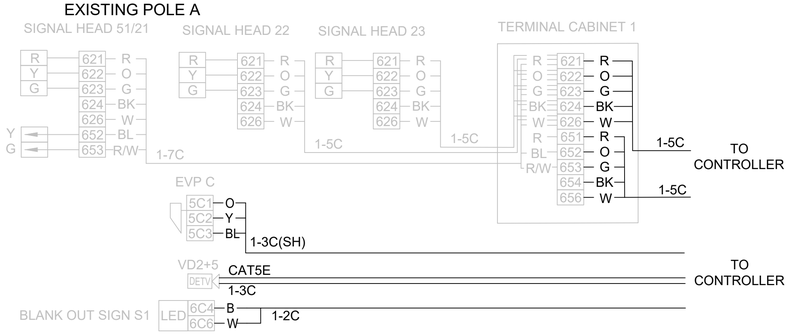
TRAFFIC
WIRING SCHEDULE - 4TH ST NW & STEWART AVE

DRAWING No.: F1592-TSS202
FACILITY ID: F1592
SHEET No.: 149
REV: 0

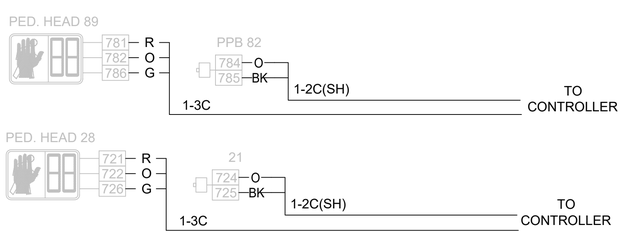
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Xrefs:
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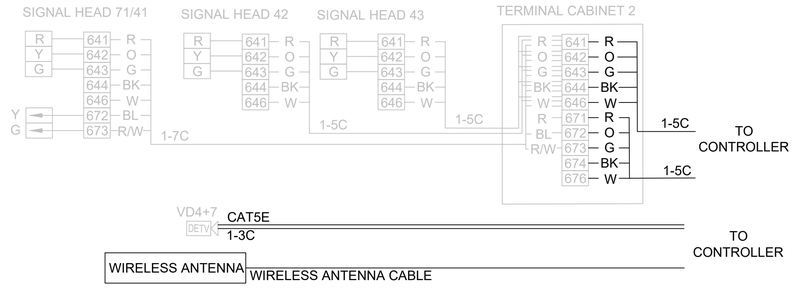
EXISTING POLE A



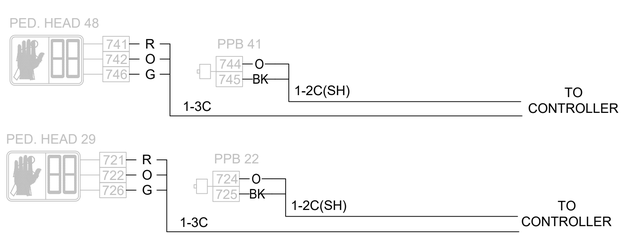
EXISTING POLE B



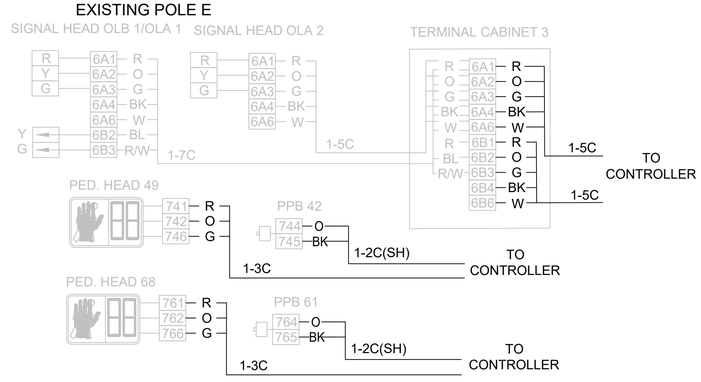
EXISTING POLE C



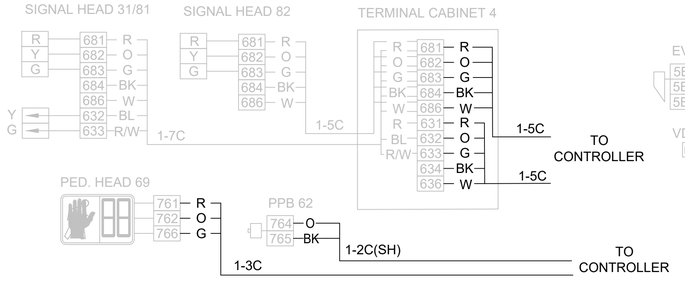
EXISTING POLE D



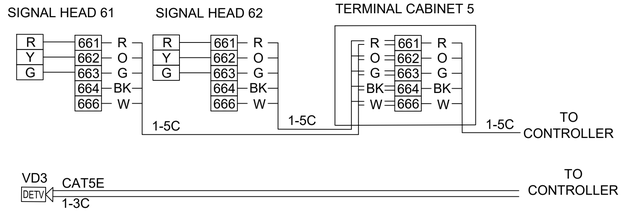
EXISTING POLE E



EXISTING POLE F



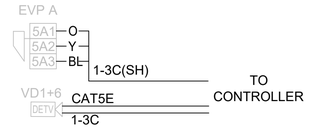
POLE NO. G



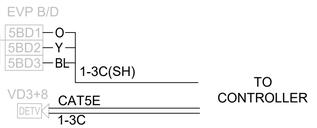
POLE NO. H



EVP A



EVP B/D



CABINET WIRE TERMINATIONS

PEDESTRIAN SIGNALS

TERMINAL #	HEAD #
721	28
722	
726	29
741	48
742	
746	49
761	68
762	
766	69
781	88
782	
786	89

PEDESTRIAN PUSH BUTTONS

TERMINAL #	HEAD #
724	21
725	22
744	41
745	42
764	61
765	62
784	81
785	82

EVP DETECTORS

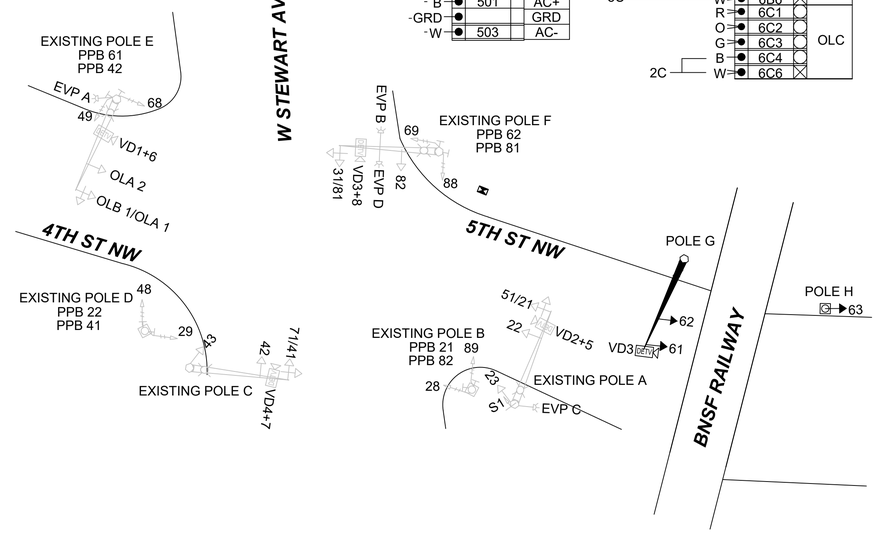
TERMINAL #	
5AC3	DC-
5BD3	
5A2	EVA
5C2	EVC
5AC1	DC+
5B2	EVB
5D2	EVD
5BD1	DC+

POWER

TERMINAL #	
501	AC+
	GRD
503	AC-

VEHICLE SIGNALS

R	611	
O	612	
G	613	
B	614	
W	616	
R	621	21
O	622	22
G	623	23
B	624	
5C W	626	
R	631	
O	632	31
G	633	
B	634	
5C W	636	
R	641	
O	642	41
G	643	42
B	644	43
5C W	646	
R	651	
O	652	
G	653	51
B	654	
5C W	656	
R	661	
O	662	61
G	663	62
B	664	63
W	666	
R	671	
O	672	
G	673	71
B	674	
5C W	676	
R	681	
O	682	81
G	683	82
B	684	
5C W	686	
R	6A1	
O	6A2	OLA 1
G	6A3	OLA 2
B	6A4	
5C W	6A6	
R	6B1	
O	6B2	
G	6B3	OLB 1
B	6B4	
5C W	6B6	
R	6C1	
O	6C2	
G	6C3	OLC
B	6C4	
2C W	6C6	



FIELD WIRE TERMINATIONS (4TH ST NW & STEWART AVE)

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	4/17/2023	BN	SZR	YLW	FINAL AS-BUILT

DESIGNED BY: Y. WANG
DRAWN BY: B. NIEHOFF
CHECKED BY: S. RAHMAN
APPROVED BY: Y. WANG

concord ENGINEERING
SUBMITTED BY: SARA ROBERTS

HENSEL PHELPS Plan. Build. Manage.
kpff
DATE: 4/17/2023

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT
REVIEWED BY: GREG SHIMIZU
DATE: 4/17/2023

SCALE: NTS
FILENAME: S317-F1592-TSS203
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 4/17/2023

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS

TRAFFIC
TERMINATION DIAGRAM - 4TH ST NW & STEWART AVE

DRAWING No.: F1592-TSS203
FACILITY ID: F1592
SHEET No.: 150
REV: 0

05/08/23 | 10:51 AM | MASHARUL.KABIR
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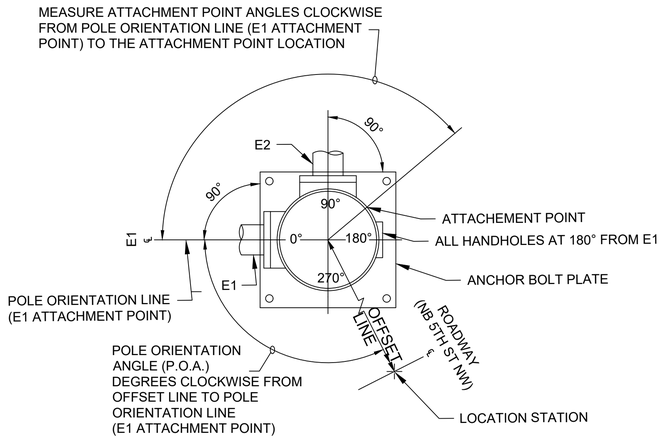
Xrefs:
xGB-TB22x34

LEGEND

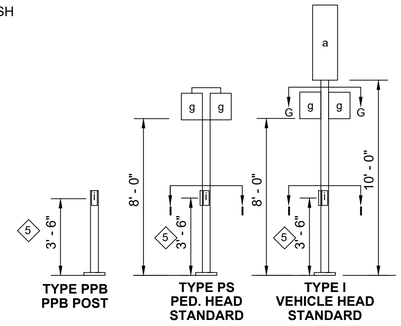
a	VEHICLE DISPLAY	g	PEDESTRIAN DISPLAY
b	VIDEO DETECTION CAMERA	h	TERMINAL CABINET
c	MAST ARM MTD SIGN	i	APS PPB-M
d	PRE-EMPT DETECTOR	j	HANDHOLE
e	POST MOUNTED SIGN	k	STREET NAME SIGN
f	LUMINAIRE	*	CAPPEN TENON FOR FUTURE SIGNAL HEAD

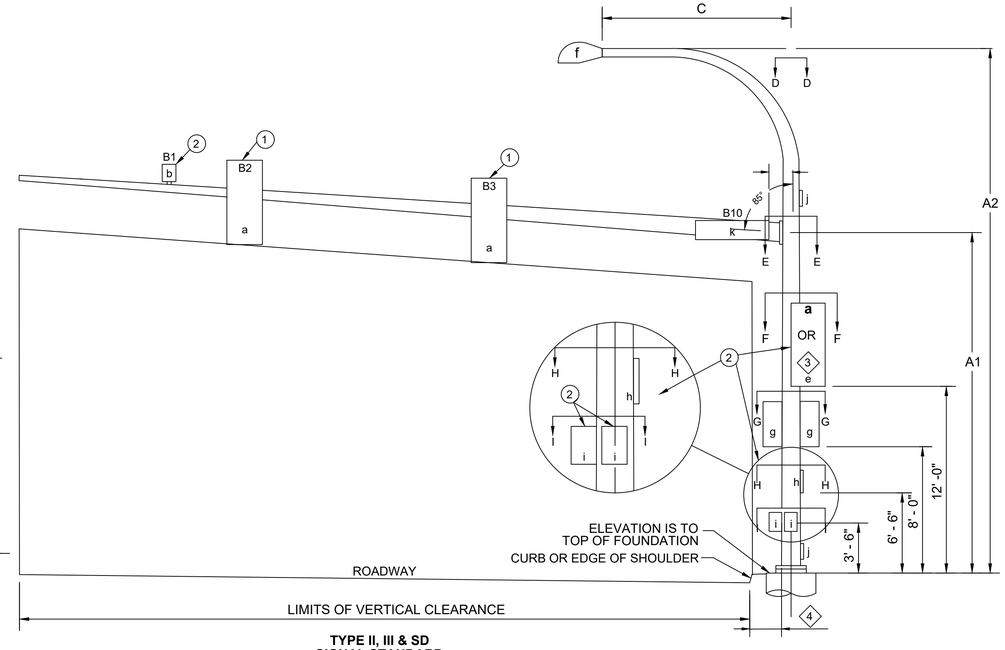
NOTES

1. MOUNTING COUPLING INSTALLED AT OFFSET DISTANCE INDICATED IN CHART. FOR TYPE N MOUNTS ONLY, DRILL 1" DIA. HOLE IN MAST ARM AND INSTALL PLASTIC SPLIT BUSHING FOR CABLE ENTRANCE.
2. FIELD INSTALLED.
3. FOR POST MOUNTED SIGNS THERE WILL BE 2' - 0" MIN. FROM THE FACE OF THE CURB OR THE EDGE OF THE SHOULDER TO THE EDGE OF THE SIGN
4. PLACEMENT WILL BE 2' - 0" MIN. FROM FACE OF CURB OR EDGE OF SHOULDER; 3' - 0" MIN. FROM FACE OF GUARDRAIL; 4' - 0" MIN. FROM CONC. BARRIER TYPE 2 (MEASURED FROM A POINT WHERE THE BARRIER BASE MEETS THE SHOULDER SURFACE (TOE). MEASUREMENT TAKEN FROM TRAFFIC SIDE OF BARRIER; TO FACE OF POLE)
5. 3' - 6" MEASURED FROM SIDEWALK SURFACE TO CENTER OF PEDESTRIAN PUSH BUTTON



POLE ORIENTATION AND ATTACHMENT POINT DETAIL





TYPE II, III & SD SIGNAL STANDARD

STANDARD TYPE		WSDOT STANDARD PLAN REFERENCES			
		POLE	FOUNDATION		ELECTRICAL
			STANDARD	CURB	
PPB	FIXED	J-20.10	J-20.10	J-20.11	J-20.10
	BREAKAWAY	J-20.15	J-20.15		J-20.15
PPS		J-20.16	J-21.10		J-20.20
I		J-21.15	J-21.10		J-21.20
II, II, SD		N/A		N/A	N/A

SIGNAL STANDARD DETAIL CHART (4TH ST NW / W STEWART AVE)

STD. No.	FIELD LOCATION				P.O.A.	POLE TYPE	ARM LENGTH (FT)	MOUNTING HEIGHT (FT)		SIGNAL MAST ARM DATA						LUMINAIRE ARM (FT)	CALCULATE POLE XYZ (FT³)	FOUNDATION DESIGN XYZ (FT³)	SOIL BEARING PRESSURE (PSF)	POLE ATTACHMENT POINT ANGLES (deg.)						FOUNDATION DESIGN XYZ (FT³)					REMARKS
										OFFSETS (FT) (POLE TO ATTACHMENT POINT)			WINDLOAD AREAS (FT²) (X) (Y)													ALTERNATE 1			ALTERNATE 2		
	STATION	OFFSET	LT.	RT.				A1	A2	B1	B2	B3	B1	B2	B3	C				D	E	F	G	H	I	3' RD	3' SQ	4' RD	3' RD	4' SQ	
G	R06 16+95.2	47.7		RT.	14	II	38	19.5		37.5	36.5	28		9.2	9.2		594	700	1000		0			180		10'	8'	8'	10'	8'	
H	R06 16+13.7	29.4		RT.	0	I																180								

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	4/17/2023	BN	SZR	YLW	FINAL AS-BUILT

DESIGNED BY: Y. WANG
DRAWN BY: B. NIEHOFF
CHECKED BY: S. RAHMAN
APPROVED BY: Y. WANG

concord ENGINEERING
SUBMITTED BY: SARA ROBERTS
DATE: 4/17/2023

HENSEL PHELPS Plan. Build. Manage. kpff
REVIEWED BY: GREG SHIMIZU
DATE: 4/17/2023

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT
SCALE: NTS
FILENAME: S317-F1592-TSD201
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 4/17/2023

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
TRAFFIC
SIGNAL STANDARD DETAIL CHART

DRAWING No.: F1592-TSD201
FACILITY ID: F1592
SHEET No.: 151
REV: 0

05/08/23 | 10:51 AM | MASHARUL.KABIR
H:\(P) PROJECTS\2018\18.57 (KPFF) ST PUYALLUP STATION DESIGN BUILD\04 CAD\01 SHEETS\S317-F1592-TSD201.DWG

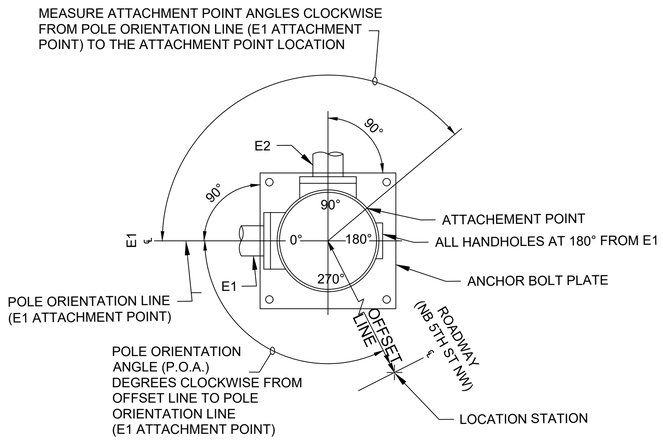
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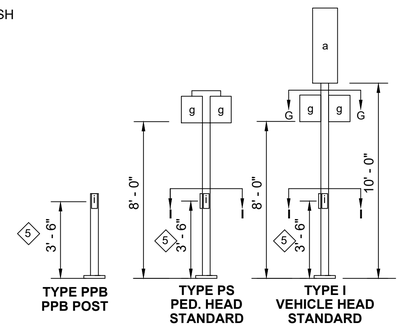
a	VEHICLE DISPLAY	g	PEDESTRIAN DISPLAY
b	VIDEO DETECTION CAMERA	h	TERMINAL CABINET
c	MAST ARM MTD SIGN	i	APS PPB-M
d	PRE-EMPT DETECTOR	j	HANDHOLE
e	POST MOUNTED SIGN	k	STREET NAME SIGN
f	LUMINAIRE	*	CAPPEN TENON FOR FUTURE SIGNAL HEAD

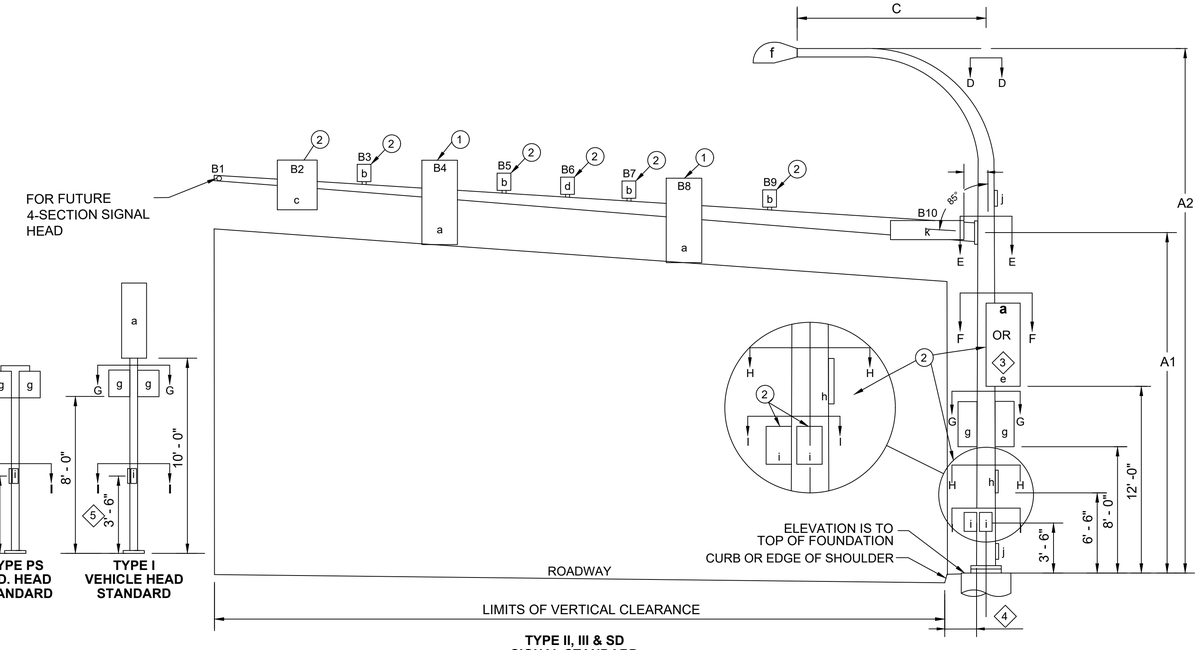
NOTES

1. MOUNTING COUPLING INSTALLED AT OFFSET DISTANCE INDICATED IN CHART. FOR TYPE N MOUNTS ONLY, DRILL 1" DIA. HOLE IN MAST ARM AND INSTALL PLASTIC SPLIT BUSHING FOR CABLE ENTRANCE.
2. FIELD INSTALLED.
3. FOR POST MOUNTED SIGNS THERE WILL BE 2' - 0" MIN. FROM THE FACE OF THE CURB OR THE EDGE OF THE SHOULDER TO THE EDGE OF THE SIGN
4. PLACEMENT WILL BE 2' - 0" MIN. FROM FACE OF CURB OR EDGE OF SHOULDER; 3' - 0" MIN. FROM FACE OF GUARDRAIL; 4' - 0" MIN. FROM CONC. BARRIER TYPE 2 (MEASURED FROM A POINT WHERE THE BARRIER BASE MEETS THE SHOULDER SURFACE (TOE). MEASUREMENT TAKEN FROM TRAFFIC SIDE OF BARRIER; TO FACE OF POLE)
5. 3' - 6" MEASURED FROM SIDEWALK SURFACE TO CENTER OF PEDESTRIAN PUSH BUTTON



POLE ORIENTATION AND ATTACHMENT POINT DETAIL





TYPE II, III & SD SIGNAL STANDARD

STANDARD TYPE		WSDOT STANDARD PLAN REFERENCES			
		POLE	FOUNDATION		ELECTRICAL
			STANDARD	CURB	
PPB	FIXED	J-20.10	J-20.10	J-20.11	J-20.10
	BREAKAWAY	J-20.15	J-20.15		J-20.15
PPS		J-20.16	J-21.10		J-20.20
I		J-21.15	J-21.10		J-21.20
II, II, SD		N/A		N/A	N/A

SIGNAL STANDARD DETAIL CHART (5TH ST NW / 2ND AVE NW)

STD. No.	FIELD LOCATION				P.O.A.	POLE TYPE	ARM LENGTH (FT)	MOUNTING HEIGHT (FT)		SIGNAL MAST ARM DATA: OFFSETS (FT) (POLE TO ATTACHMENT POINT)								WINDLOAD AREAS (FT²) (X) (Y)										LUMINAIRE ARM (FT)	LUMINAIRE TYPE *	CALCULATE POLE XYZ (FT³)	FOUNDATION DESIGN XYZ (FT³)	SOIL BEARING PRESSURE (PSF)	POLE ATTACHMENT POINT ANGLES (deg.)						FOUNDATION DESIGN XYZ (FT³)					REMARKS
																																						ALTERNATE 1			ALTERNATE 2		
	STATION	OFFSET	LT.	RT.				A1	A2	B1	B2	B3	B4	B5	B6	B7	B8	B9	B10	B1	B2	B3	B4	B5	B6	B7	B8	B9	B10	C					D	E	F	G	H	I	3' RD	3' SQ	4' RD	3' RD	4' SQ	
1	R06 14+37.6	25.6		RT.	0	III	27	19.5	30	26.5	22.5		16.5	13.5	12.5		9.5		5	12	7.5		9.2				9.2		9	12	LEOTEK GC2 90F, 4000K LED TYPE II	823	900	1000	0	0			270		10'	8'	8'	10'	8'	
2	R06 13+72.4	25.8		RT.	0	III	42	19.5	30				41		37	35	33		7				9.2				9.2		9	12	LEOTEK GC2 90F, 4000K LED TYPE II	796	900	1000	0	0			90		10'	8'	8'	10'	8'	
					90		30	20.5					27.5		23.5		19.5	16.5	8				9.2				9.2		9			505				90									**
3	R06 14+23.5	36.7	LT.		0	PS																															270						
4	R06 14+17.5	27.9		RT.	0	PS																															90						

* APPROVED EQUAL LUMINAIRE IS ACCEPTABLE AND MUST MEET SAME PERFORMANCE CRITERIA.

** MAST ARM TO BE INSTALLED IN THE FUTURE.

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	4/17/2023	BN	SZR	YLW	FINAL AS-BUILT

DESIGNED BY: Y. WANG
DRAWN BY: B. NIEHOFF
CHECKED BY: S. RAHMAN
APPROVED BY: Y. WANG

concord ENGINEERING
SUBMITTED BY: SARA ROBERTS

HENSEL PHELPS Plan. Build. Manage. kpff
DATE: 4/17/2023
REVIEWED BY: GREG SHIMIZU

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT
DATE: 4/17/2023

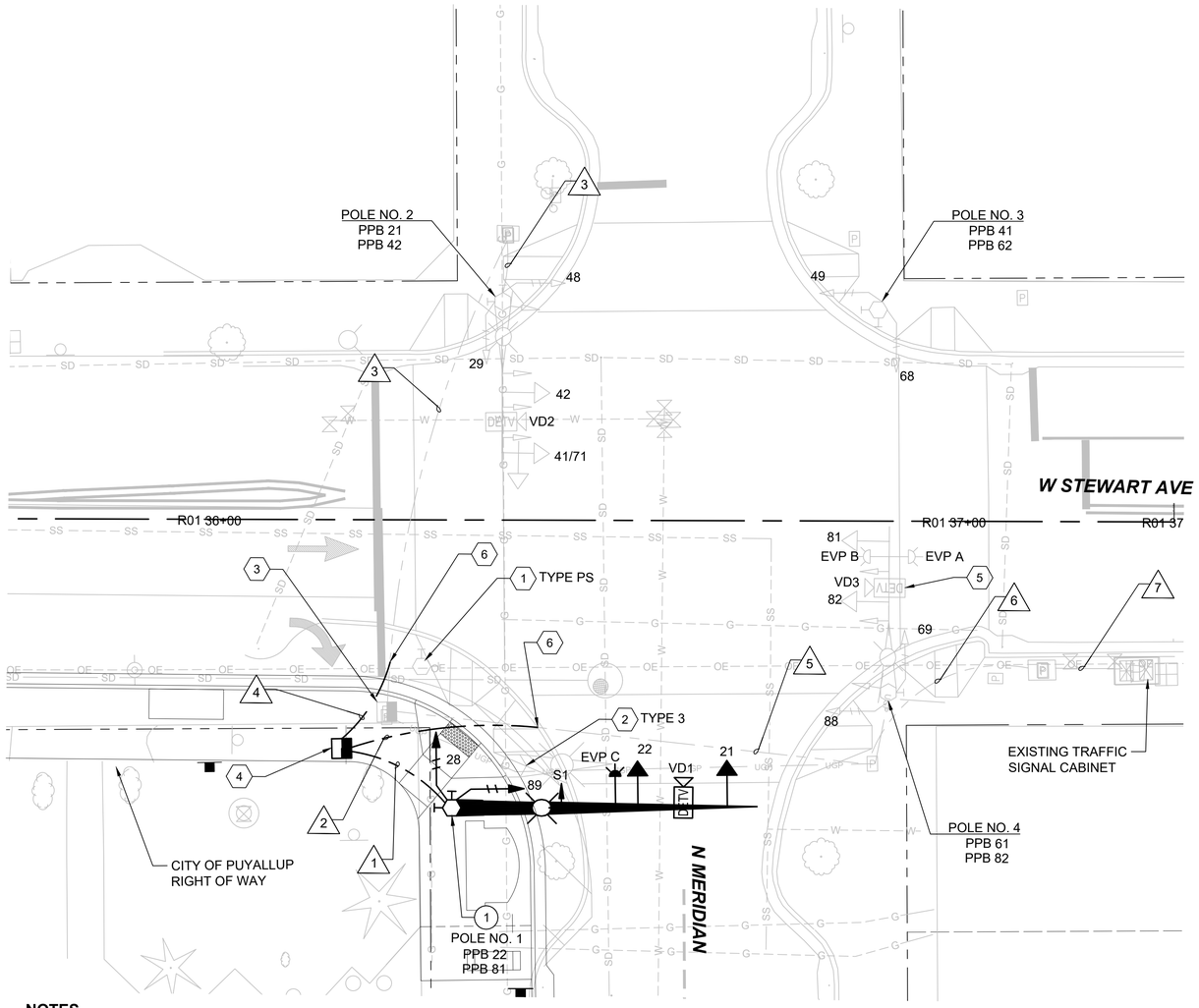
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FILENAME: S317-F1592-TSD202
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 4/17/2023

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
TRAFFIC
SIGNAL STANDARD DETAIL CHART

DRAWING No.: F1592-TSD202
FACILITY ID: F1592
SHEET No.: 152
REV: 0

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Xrefs:
xGB-TB22x34
dS317-F1592-CAP10
xS317-F1592-CDP10
xS317-F1592-CMP10
xS317-F1592-CSP10
xS317-F1592-TSP10
xS317-F1592-VRX10



NOTES

1. FOR GENERAL NOTES, SYMBOLS, AND ABBREVIATIONS, SEE DRAWING F1592-TSN101.
2. REMOVE THE EXISTING SIGNAL SYSTEM WHICH INCLUDES MAST ARM POLES AND FOUNDATION, PS POLES AND FOUNDATION, SIGNAL CABINET AND FOUNDATION, EXISTING JUNCTION BOXES, EXISTING LOOPS AND ALL THE EXISTING SIGNAL CABLES ACCORDING TO SPECIFICATION REQUIREMENT.
3. NEW STREET NAME SIGN WILL BE PROVIDED PER PUYALLUP STANDARD 01.04.03
4. SEE DRAWING F1592-TSP302 FOR VIDEO DETECTION ZONE.

CONSTRUCTION NOTES:

(1) CONSTRUCT FOUNDATION PER WSDOT STANDARD PLAN J-26.10-03 AND INSTALL TYPE III SIGNAL POLE WITH 40 FT MAST ARM AND RECESSED TERMINAL COMPARTMENT PER CITY OF PUYALLUP STANDARD DETAIL 01.06.02. INSTALL TWO VEHICLE SIGNAL HEADS, ONE EMERGENCY VEHICLE PREEMPTION DETECTOR AND RELOCATE ONE VIDEO DETECTION CAMERA ON MAST ARM. INSTALL TWO PEDESTRIAN SIGNAL HEADS, RELOCATE TWO PEDESTRIAN PUSH BUTTONS, 12 FT BRACKET ARM, LED LUMINAIRE WITH 30 FT MOUNTING HEIGHT ON THE POLE. REALIGN SIGN ARROW ON PUSH BUTTON ASSEMBLIES ACCORDINGLY.

KEY NOTES:

(1) REMOVE EXISTING PEDESTRIAN SIGNAL POLE, FOUNDATION, AND ALL ASSOCIATED SIGNAL POLE EQUIPMENT AND WIRING. RETURN POLE AND EQUIPMENT TO CITY.

(2) REMOVE EXISTING TYPE III SIGNAL POLE, FOUNDATION, AND ALL ASSOCIATED SIGNAL POLE EQUIPMENT AND WIRING. RETURN POLE AND EQUIPMENT TO CITY.

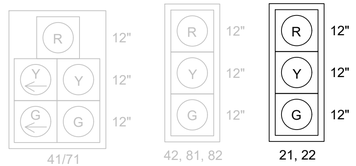
(3) REMOVE EXISTING JUNCTION BOX.

(4) INSTALL NEW TYPE 8 JUNCTION BOX PER WSDOT STANDARD PLAN J-40.30-04.

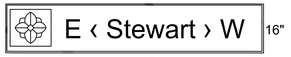
(5) FIELD ADJUST VIDEO DETECTION ZONES TO ACCOMMODATE NEW CHANNELIZATION.

(6) INTERCEPT TO EXISTING CONDUITS.

VEHICLE SIGNAL HEADS



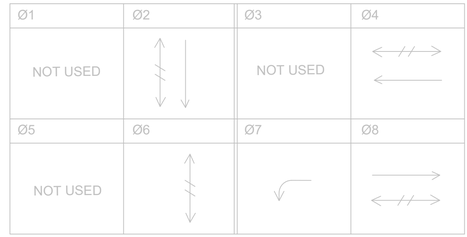
SIGNS



PREEMPTION SCHEDULE

EVP	PHASES
A	Ø4 & Ø7
B	Ø8
C	Ø2

EXISTING PHASE DIAGRAM



VEHICLE MOVEMENT
PEDESTRIAN MOVEMENT

PEDESTRIAN SIGNAL HEADS

LED COUNTDOWN



29, 48, 49, 68, 69, 88

LED COUNTDOWN



89, 28

WIRING SCHEDULE

RUN NO. (#)	SPAN OR CONDUIT SIZE	EXISTING CONDUCTORS	VEHICLE HEADS	PED HEADS 3C	PPB 2C(SH)	PREEMPT 3C(SH)	PREEMPT INDICATOR LIGHT 2C(SH)	VIDEO DETECTION CAT5E	ILLUMINATION	GROUND #6	REMARKS
1	3" SCH 80 PVC		1-5C	2	2	1	1	1		1	
	2" SCH 80 PVC								2-#6	1	
2	3" SCH 80 PVC		1-5C	2	2	1	1	1		1	
	3" SCH 80 PVC		1-10C	2	2			1		1	
	2" SCH 80 PVC								2-#6	1	
3	EX 3"	2-5C*	1-10C	2	2			1		1	*REMOVE
	EX 2"	2-#6*							2-#6	1	*REMOVE
4	3" SCH 80 PVC		1-10C	2	2			1		1	
	2" SCH 80 PVC								2-#6	1	
5	EX 3"	EXISTING*	1-5C	2	2	1	1	1		1	*REMOVE
	EX 3"	EXISTING*	1-10C	2	2			1		1	*REMOVE
	EX 2"	2-#6*							2-#6	1	*REMOVE
6	EX 3"	EXISTING*	1-5C	2	2	1	1	1			*REMOVE
	EX 3"	EXISTING*	1-10C	2	2			1			*REMOVE
	EX 2"	2-#6									
7	EX 4'	EXISTING	1-5C	2	2	1	1	1			**
	EX 4"	EXISTING	1-10C	2	2			1			**
	EX 2"	EXISTING									**

** MAINTAIN AND PROTECT EXISTING WIRES IN CONDUITS.

*** REMOVE ALL UNUSED CABLES.

10 5 0 10 20
SCALE IN FEET

N

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	4/17/2023	BN	SZR	YLW	FINAL AS-BUILT

DESIGNED BY: Y. WANG
DRAWN BY: B. NIEHOFF
CHECKED BY: S. RAHMAN
APPROVED BY: Y. WANG

concord ENGINEERING
HENSEL PHELPS Plan. Build. Manage.
kpff
SOUNDTRANSIT

LINE IS 1" AT FULL SCALE

SUBMITTED BY: SARA ROBERTS
DATE: 4/17/2023
REVIEWED BY: GREG SHIMIZU
DATE: 4/17/2023

SCALE: 1" = 10'
FILENAME: S317-F1592-TSP301
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 4/17/2023

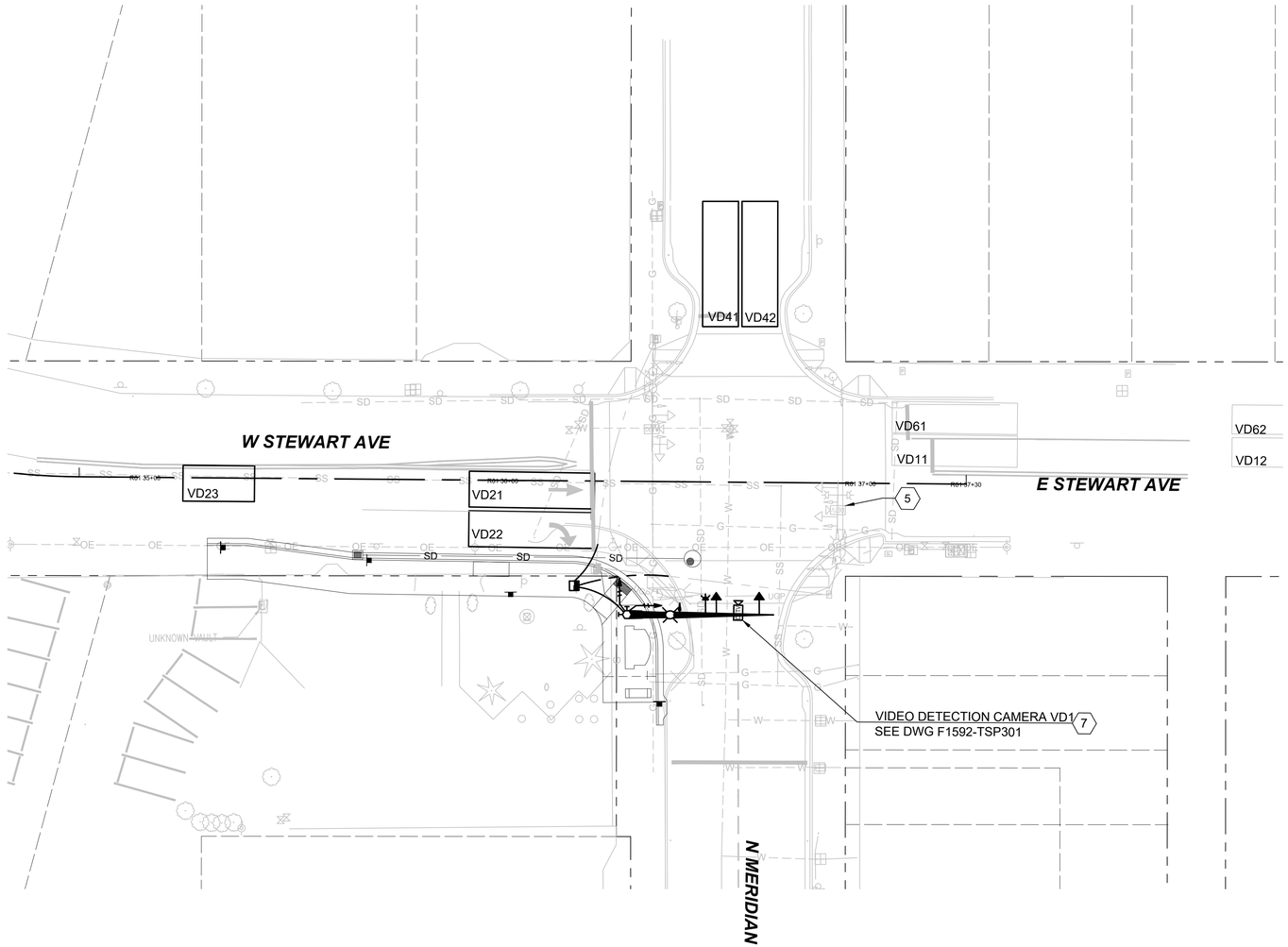
PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS

TRAFFIC
SIGNALIZATION PLAN - W STEWART & N MERIDIAN

DRAWING No.: F1592-TSP301
FACILITY ID: F1592
SHEET No.: 153
REV: 0

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Xrefs:
xGB-TB22x34
xS317-F1592-CSP10
dS317-F1592-CAP10
xS317-F1592-CDP10
xS317-F1592-TSP10
xS317-F1592-CMP10
xS317-F1592-TSP10
xS317-F1592-VRX10



KEY NOTES:

5. FIELD ADJUST VIDEO DETECTION ZONES TO ACCOMMODATE NEW CHANNELIZATION TO BE DONE BY RHYTHM ENGINEERING.

7. FIELD ADJUST VIDEO DETECTION ZONE TO BE DONE BY RHYTHM ENGINEERING.

NOTES

1. FOR GENERAL NOTES, SYMBOLS, AND ABBREVIATIONS, SEE DRAWING F1592-TSN101.
2. VIDEO DETECTION ZONES SHOWN ARE APPROXIMATE. PRECISE LOCATIONS WILL BE FIELD VERIFIED WITH THE ENGINEER.

20 10 0 20 40
SCALE IN FEET

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	4/17/2023	BN	SZR	YLW	FINAL AS-BUILT

DESIGNED BY: Y. WANG
DRAWN BY: B. NIEHOFF
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APPROVED BY: Y. WANG

concord ENGINEERING
HENSEL PHELPS Plan. Build. Manage.
kpff
SOUNDTRANSIT

LINE IS 1" AT FULL SCALE

SUBMITTED BY: SARA ROBERTS
DATE: 4/17/2023
REVIEWED BY: GREG SHIMIZU
DATE: 4/17/2023

SCALE: 1" = 20'
FILENAME: S317-F1592-TSP302
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 4/17/2023

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENT

TRAFFIC
DETECTION PLAN - W STEWART AVE & N MERIDIAN

DRAWING No.: F1592-TSP302
FACILITY ID: F1592
SHEET No.: 154
REV: 0

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Xrefs:
xGB-TB22x34

POLE NO. 1

SIGNAL HEAD 21

R	621	R
Y	622	O
G	623	G
	624	B
	626	W

SIGNAL HEAD 22

R	621	R
Y	622	O
G	623	G
	624	B
	626	W

TERMINAL CABINET 1

R	621	R
O	622	O
G	623	G
B	624	B
W	626	W

1-5C

1-5C

1-5C

TO CONTROLLER

PED. HEAD 28

	721	R
	722	G
	726	W

PED. HEAD 89

	781	R
	782	G
	786	W

EVP C

5C1		O
5C2		Y
5C3		BL

EVP INDICATOR LIGHT

5C4		B
NB		W

VD1
DETV

CAT6

1-3C

1-3C

1-3C (SH)

1-2C(SH)

TO CONTROLLER

PPB 22

724		O
725		B

PPB 81

784		O
785		B

1-2C(SH)

1-2C(SH)

TO CONTROLLER

FIELD WIRE TERMINATIONS

POLE NO. 2

SIGNAL HEAD 41/71

R	641	R
Y	642	O
G	643	G
	672	B
	673	W

SIGNAL HEAD 22

R	641	R
Y	642	O
G	643	G
	644	B
	646	W

RECESSED TERMINAL CABINET

R	641	R
O	642	O
G	643	G
B	644	B
W	646	W
	671	R/B
	672	O/B
	673	G/B
	674	BL
	676	W/B

1-5C

1-10C

TO CONTROLLER

PED. HEAD 48

	741	R
	742	G
	746	W

PED. HEAD 29

	721	R
	722	G
	726	W

VD2
DETV

CAT6

1-3C

1-3C

TO CONTROLLER

PPB 21

724		O
725		B

PPB 42

744		O
745		B

1-2C(SH)

1-2C(SH)

TO CONTROLLER

POLE NO. 2
PPB 42
PPB 21
48
29
42
VD2
41/71

POLE NO. 3
PPB 41
PPB 62
49
68

W STEWART AVE

E STEWART AVE

81
EVP B
EVP A
VD3
82
69
88
POLE NO. 4
PPB 82
PPB 61

28
89
22
21
POLE NO. 1
PPB 22
PPB 81
EVP C
VD1

N MERIDIAN

PEDESTRIAN SIGNALS

	TERMINAL #	HEAD #
R	721	28
G	722	29
3C W	726	
R	741	48
3C G	742	49
3C W	746	
R	761	68
3C G	762	69
3C W	766	
R	781	88
3C G	782	89
3C W	786	

PEDESTRIAN PUSH BUTTONS

	TERMINAL #	HEAD #
2C(SH) B	724	21
2C(SH) W	725	22
2C(SH) B	744	41
2C(SH) W	745	42
2C(SH) B	764	61
2C(SH) W	765	62
2C(SH) B	784	81
2C(SH) W	785	82

EVP DETECTORS

	TERMINAL #	
BL	5AC3	DC-
BL	5BD3	
Y	5A2	EVA
Y	5C2	EVC
3C(SH) O	5AC1	DC+
3C(SH) Y	5B2	EVB
Y	5D2	EVD
3C(SH) O	5BD1	DC+

EVP INDICATOR LIGHTS
(AUX) INTERFACE PANEL

	TERMINAL #	TB2
B	5A4	1
B	5B4	2
B	5C4	3
2C(SH) B	5D4	4
2C(SH) W	NB	

POWER

	TERMINAL #	
B	501	AC+
GRD		GRD
W	503	AC-

VEHICLE SIGNALS

R	611		
O	612		
G	613		
B	614		
W	616		
R	621		21
O	622		22
G	623		
B	624		
5C W	626		
R	631		
O	632		
G	633		
B	634		
W	636		
R	641		
O	642		41
G	643		42
B	644		
5C W	646		
R	651		
O	652		
G	653		
B	654		
W	656		
R	661		
O	662		61
G	663		62
B	664		
5C W	666		
R	671		
O	672		
G	673		71
B	674		
5C W	676		
R	681		
O	682		81
G	683		82
B	684		
5C W	686		
R	6A1		
O	6A2		
G	6A3		
B	6A4		
W	6A6		
R	6B1		
O	6B2		
G	6B3		
B	6B4		
W	6B6		
R	6C1		
O	6C2		
G	6C3		
B	6C4		
W	6C6		
R	6D1		
O	6D2		
G	6D3		
B	6D4		
W	6D6		

CABINET WIRE TERMINATIONS

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	4/17/2023	BN	SZR	YLW	FINAL AS-BUILT

DESIGNED BY: Y. WANG
DRAWN BY: B. NIEHOFF
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concord ENGINEERING
SUBMITTED BY: SARA ROBERTS

HENSEL PHELPS Plan. Build. Manage.
kpff
DATE: 4/17/2023
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LINE IS 1" AT FULL SCALE

SoundTransit
DATE: 4/17/2023

SCALE: NTS
FILENAME: S317-F1592-TSS301
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 4/17/2023

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
TRAFFIC
TERMINATION DIAGRAM - W STEWART AVE & N MERIDIAN

DRAWING No.: F1592-TSS301
FACILITY ID: F1592
SHEET No.: 155
REV: 0

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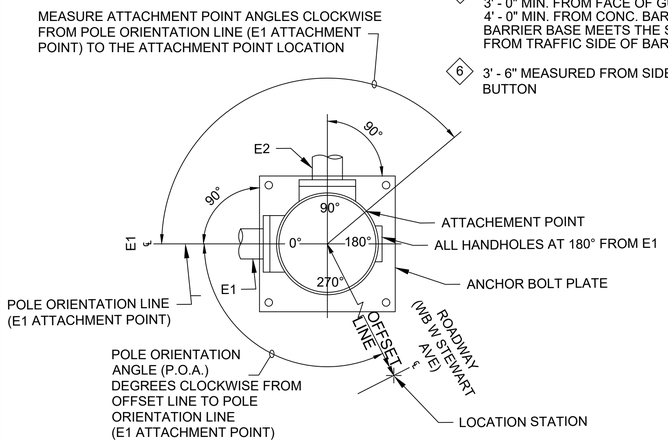
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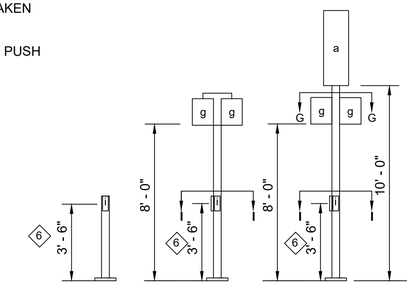
a	VEHICLE DISPLAY	f	LUMINAIRE
b	VIDEO DETECTION CAMERA	g	PEDESTRIAN DISPLAY
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d	PRE-EMPT DETECTOR	i	APS PPB-M
e	POST MOUNTED SIGN	j	HANDHOLE

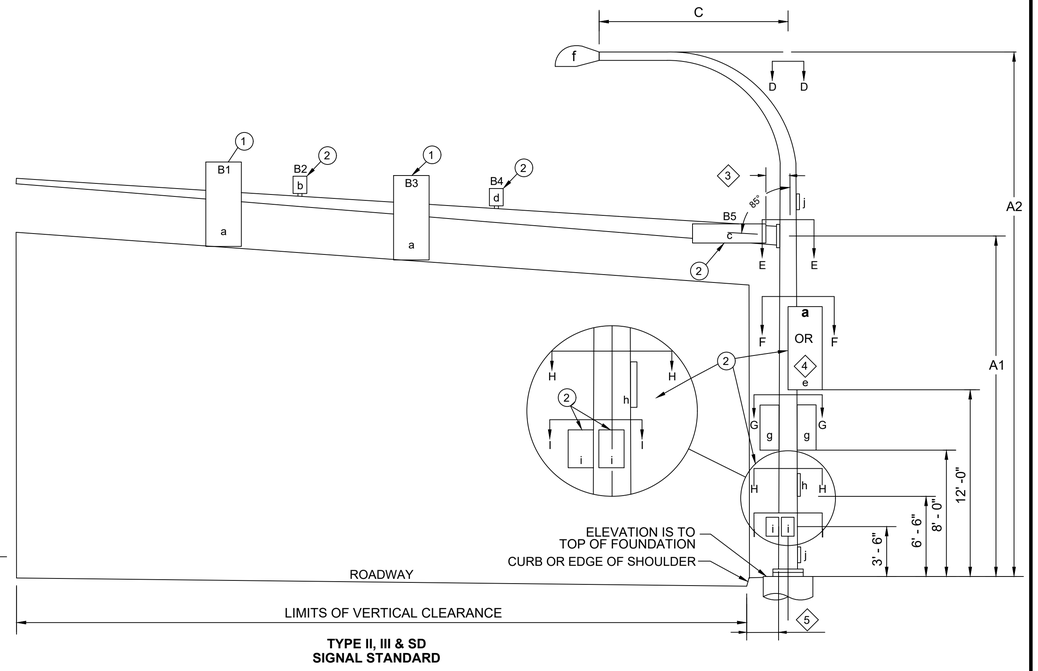
NOTES

1. MOUNTING COUPLING INSTALLED AT OFFSET DISTANCE INDICATED IN CHART. FOR TYPE N MOUNTS ONLY, DRILL 1" DIA. HOLE IN MAST ARM AND INSTALL PLASTIC SPLIT BUSHING FOR CABLE ENTRANCE.
2. FIELD INSTALLED.
3. 1' - 0" MIN. TO 2' - 6" MAX. FROM POLE CENTERLINE TO SIGN EDGE
4. FOR POST MOUNTED SIGNS THERE WILL BE 2' - 0" MIN. FROM THE FACE OF THE CURB OR THE EDGE OF THE SHOULDER TO THE EDGE OF THE SIGN
5. PLACEMENT WILL BE 2' - 0" MIN. FROM FACE OF CURB OR EDGE OF SHOULDER; 3' - 0" MIN. FROM FACE OF GUARDRAIL; 4' - 0" MIN. FROM CONC. BARRIER TYPE 2 (MEASURED FROM A POINT WHERE THE BARRIER BASE MEETS THE SHOULDER SURFACE (TOE). MEASUREMENT TAKEN FROM TRAFFIC SIDE OF BARRIER; TO FACE OF POLE)
6. 3' - 6" MEASURED FROM SIDEWALK SURFACE TO CENTER OF PEDESTRIAN PUSH BUTTON



POLE ORIENTATION AND ATTACHMENT POINT DETAIL





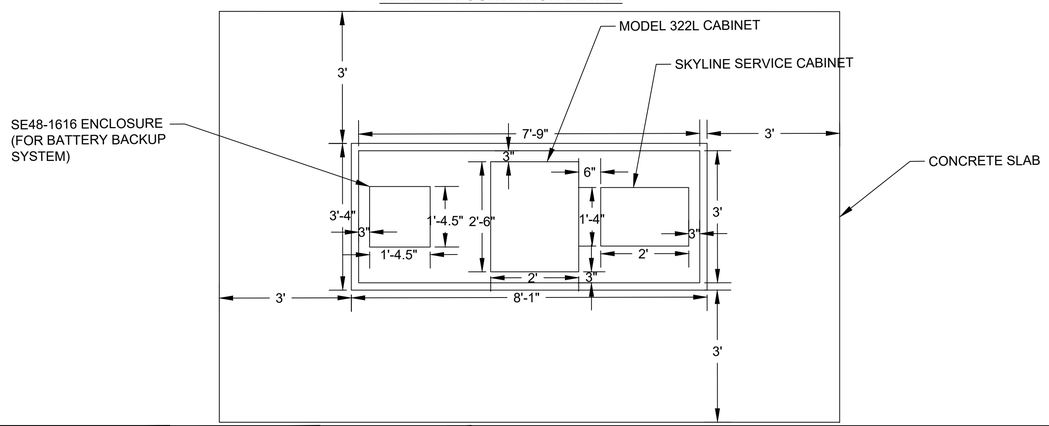
TYPE II, III & SD SIGNAL STANDARD

SIGNAL STANDARD DETAIL CHART (W STEWART AVE / N MERIDIAN)

STD. No.	FIELD LOCATION				P.O.A	POLE TYPE	ARM LENGTH (FT)	MOUNTING HEIGHT (FT)		SIGNAL MAST ARM DATA										LUMINAIRE ARM (FT)	LUMINAIRE TYPE *	CALCULATE POLE XYZ (FT³)	FOUNDATION DESIGN XYZ (FT³)	SOIL BEARING PRESSURE (PSF)	POLE ATTACHMENT POINT ANGLES (deg.)								FOUNDATION DESIGN XYZ (FT³)					REMARKS
										OFFSETS (FT) (POLE TO ATTACHMENT POINT)					WINDLOAD AREAS (FT²) (X) (Y)																	ALTERNATE 1			ALTERNATE 2		
	STATION	OFFSET	LT.	RT.				A1	A2	B1	B2	B3	B4	B5	B1	B2	B3	B4	B5	C					D	E	F	G1	G2	H	I1	I2	3' RD	3' SQ	4' RD	3' RD	4' RD	
1	R01 36+32.6	38.7		RT.	0	III	40	19.5	30	37	31	25	22	14.5	9.2		9.2		12	12	GE ERL2, 194W, 400OK, TYPE II NARROW	797	900	1000	0	0		225	270	90	180	270	10'	8'	8'	10'	8'	

* APPROVED EQUAL LUMINAIRE IS ACCEPTABLE AND MUST MEET SAME PERFORMANCE CRITERIA.

CABINET FOUNDATION DETAIL



STANDARD TYPE		WSDOT STANDARD PLAN REFERENCES			
		POLE	FOUNDATION		ELECTRICAL
			STANDARD	CURB	
PPB	FIXED	J-20.10	J-20.10	J-20.11	J-20.10
	BREAKAWAY	J-20.15	J-20.15		J-20.15
PPS		J-20.16	J-21.10		J-20.20
I		J-21.15	J-21.10		J-21.20
II, II, SD		N/A		N/A	N/A

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	4/17/2023	BN	SZR	YLW	FINAL AS-BUILT

DESIGNED BY: Y. WANG
DRAWN BY: B. NIEHOFF
CHECKED BY: S. RAHMAN
APPROVED BY: Y. WANG

concord ENGINEERING
HENSEL PHELPS Plan. Build. Manage.
kpff
SOUNDTRANSIT

SUBMITTED BY: SARA ROBERTS
DATE: 4/17/2023
REVIEWED BY: GREG SHIMIZU
DATE: 4/17/2023

LINE IS 1" AT FULL SCALE

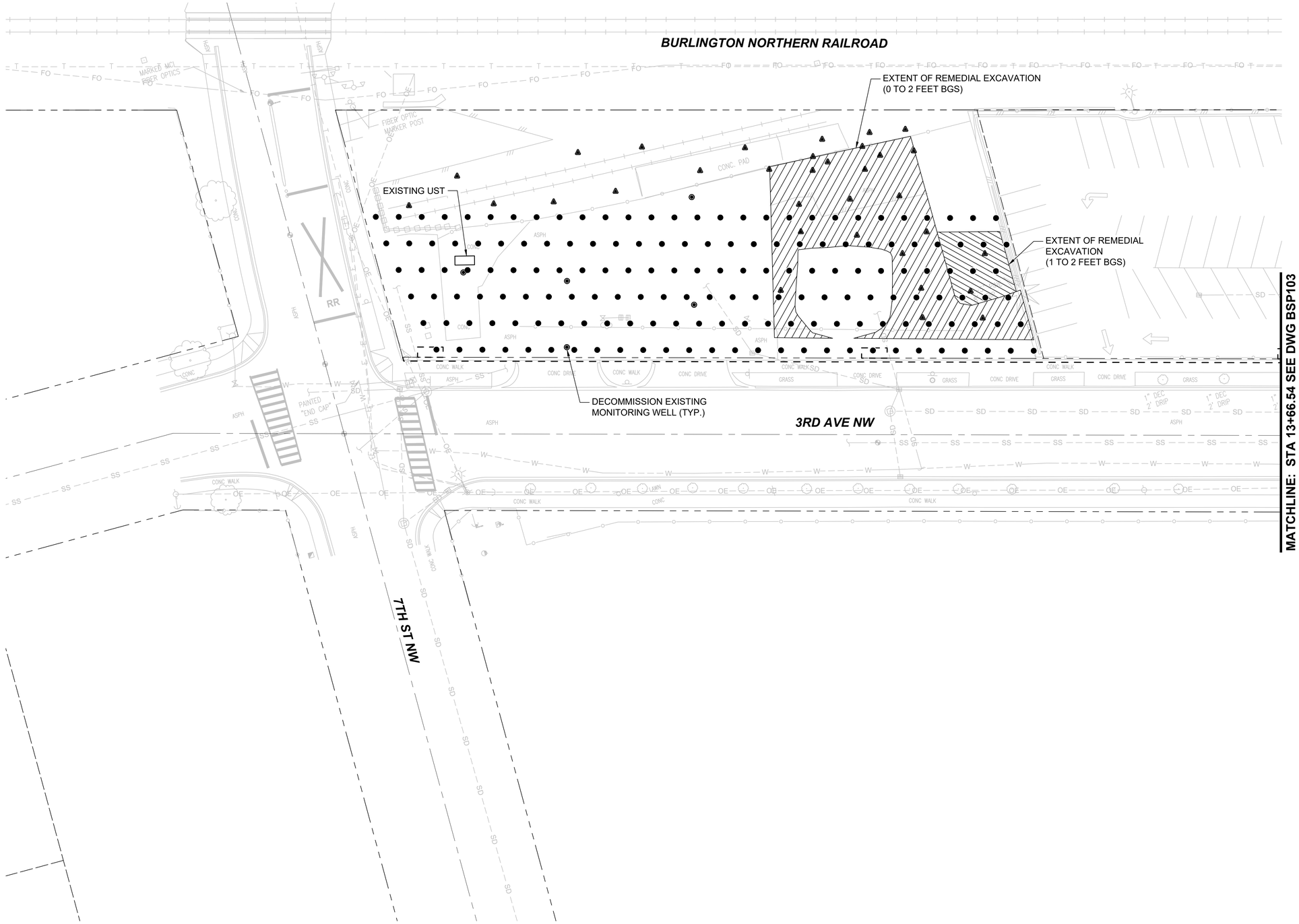
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FILENAME: S317-F1592-TSD301
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 4/17/2023

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
TRAFFIC
SIGNAL STANDARD DETAIL CHART

DRAWING No.: F1592-TSD301
FACILITY ID: F1592
SHEET No.: 156
REV: 0

05/08/23 | 10:52 AM | MASHARUL.KABIR
H:\(P) PROJECTS\2018\18.57 (KPFF) ST PUYALLUP STATION DESIGN BUILD\04 CAD\01 SHEETS\S317-F1592-TSD301.DWG

Xrefs:
xGB-TB22x34
xS317-F1592-RPP100
xS317-F1592-VRX100
xS317-F1592-BSP100



NOTES:

1. SEE DRAWING F1592-BSY100 FOR TYPICAL DETAIL AND GENERAL NOTES.
2. ORC APPLICATION TO BE INSTALLED PER THE APPROVED OXYGEN RELEASE COMPOUND (ORC) APPLICATION WORK PLAN WHICH WAS DEVELOPED IN ACCORDANCE WITH RFP SPECIFICATIONS 02 61 00 AND 02 61 13.
3. SEE SPECIFICATION 02 61 00 FOR ORC BORING COORDINATES.
4. ANY EXISTING UNDERGROUND UTILITIES OR STRUCTURES CONFLICTING WITH ORC APPLICATION SHALL BE VERIFIED AS ABANDONED AND REMOVED PRIOR TO ORC APPLICATION, OR ELSE ORC APPLICATION LAYOUT ADJUSTED TO AVOID CONFLICT AND POTENTIAL DAMAGE TO THE EXISTING UTILITY.
5. ORC BORINGS MUST BE COMPLETED BY A WASHINGTON STATE LICENSED DRILLER.
6. REMEDIAL EXCAVATION AND SOIL HANDLING/DISPOSAL TO BE COMPLETED PER THE APPROVED HAZARDOUS AND CONTAMINATED MATERIAL - SCREENING AND HANDLING PLAN (HCS-SHP) WHICH WAS DEVELOPED IN ACCORDANCE WITH RFP SPECIFICATIONS 01 35 43.13 AND 02 61 13.
7. EXISTING MONITORING WELLS TO BE DECOMMISSIONED BY A WASHINGTON STATE LICENSED DRILLER IN ACCORDANCE WITH RFP SPECIFICATION 02 61 00.
8. EXISTING UNDERGROUND STORAGE TANK (UST) TO BE REMOVED PER THE APPROVED UST REMOVAL WORK PLAN WHICH WAS DEVELOPED IN ACCORDANCE WITH RFP SPECIFICATION 02 65 00.

LEGEND & ABBREVIATIONS:

- ● 4.5-INCH DIAMETER ORC BORINGS - 9 FT LENGTH
- ◉ MONITORING WELL (EXISTING)
- ◬ SOIL SAMPLE LOCATION

ORC OXYGEN RELEASE COMPOUND

20 10 0 40
SCALE IN FEET

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	SB	TD	DC	FINAL AS-BUILT

DESIGNED BY: S. BRONSON
DRAWN BY: T. MICHAUD
CHECKED BY: T. DEOME
APPROVED BY: D. CARLISLE

GeoEngineers | HENSEL PHELPS Plan. Build. Manage. kpff | SOUNDTRANSIT

LINE IS 1" AT FULL SCALE

SUBMITTED BY: SARA ROBERTS
DATE: 10/26/2022
REVIEWED BY: GREG SHIMIZU
DATE: 10/26/2022
SUBMITTAL DATE: 10/26/2022

SCALE: 1"=20'
FILENAME: S317-F1592-BSP102
CONTRACT No.: RTA/CN 0612-18

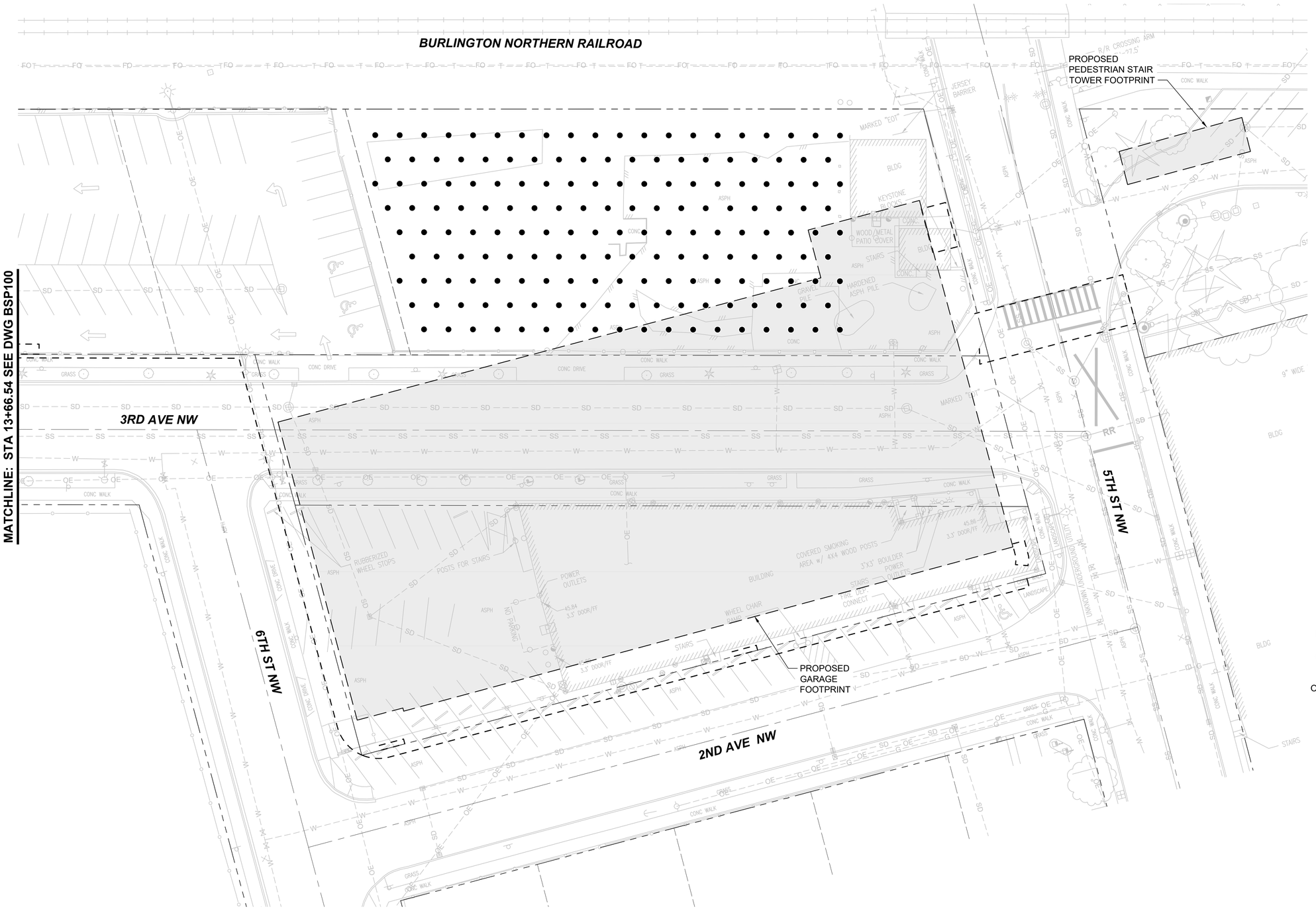
PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS

ENVIRONMENTAL / ENVIRONMENTAL REMEDIATION
REMEDIATION PLAN (PSI005)

DRAWING No.: F1592-BSP102
FACILITY ID: F1592
SHEET No.: 157
REV: 0

06/23/22 | 9:45 AM | TMICHAUD
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Xrefs:
xGB-TB22x34
xS317-F1592-RPP100
xS317-F1592-VRX100
xS317-F1592-BSP100



NOTES:

1. SEE DRAWING F1592-BSY100 FOR TYPICAL DETAIL AND GENERAL NOTES.
2. ORC APPLICATION TO BE INSTALLED PER THE APPROVED OXYGEN RELEASE COMPOUND (ORC) APPLICATION WORK PLAN WHICH WAS DEVELOPED IN ACCORDANCE WITH RFP SPECIFICATIONS 02 61 00 AND 02 61 13.
3. SEE SPECIFICATION 02 61 00 FOR ORC BORING COORDINATES.
4. ANY EXISTING UNDERGROUND UTILITIES OR STRUCTURES CONFLICTING WITH ORC APPLICATION SHALL BE VERIFIED AS ABANDONED AND REMOVED PRIOR TO ORC APPLICATION, OR ELSE ORC APPLICATION LAYOUT ADJUSTED TO AVOID CONFLICT AND POTENTIAL DAMAGE TO THE EXISTING UTILITY.
5. ORC BORINGS MUST BE COMPLETED BY A WASHINGTON STATE LICENSED DRILLER.

LEGEND & ABBREVIATIONS:

● 4.5-INCH DIAMETER ORC BORINGS - 9 FT LENGTH

ORC OXYGEN RELEASE COMPOUND

N

20 10 0 40
SCALE IN FEET

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	SB	TD	DC	FINAL AS-BUILT

DESIGNED BY: S. BRONSON
DRAWN BY: T. MICHAUD
CHECKED BY: T. DEOME
APPROVED BY: D. CARLISLE

GeoEngineers
HENSEL PHELPS Plan. Build. Manage.
kpff
LINE IS 1" AT FULL SCALE
SOUNDTRANSIT

SUBMITTED BY: SARA ROBERTS
DATE: 10/26/2022
REVIEWED BY: GREG SHIMIZU
DATE: 10/26/2022

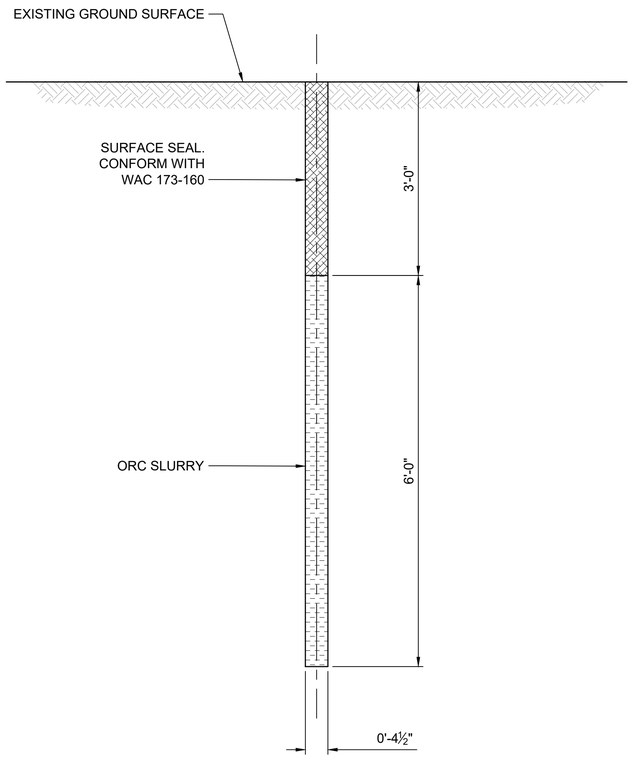
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CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
ENVIRONMENTAL / ENVIRONMENTAL REMEDIATION REMEDIATION PLAN (PSI002)

DRAWING No.: F1592-BSP103
FACILITY ID: F1592
SHEET No.: 158
REV: 0

06/23/22 | 9:47 AM | TMICHAUD
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Xrefs:
xGB-TB22x34



ORC BORING - TYPICAL SECTION
SCALE: NTS

GENERAL NOTES:

1. DETAIL BASED OFF EXISTING GROUND SURFACE GRADE. FINAL GRADE VARIES.
2. SEE DRAWING NUMBERS F1592-BSP102 AND F1592-BSP102 FOR ORC BORING DETAILS.
3. CATCH BASINS SHALL BE PROTECTED AND ORC APPLICATION LAYOUT SHALL BE ADJUSTED TO AVOID EXISTING UTILITIES.

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FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	SB	TD	DC	FINAL AS-BUILT

DESIGNED BY:
DRAWN BY: T. MICHAUD
CHECKED BY: T. DEOME
APPROVED BY: D. CARLISLE

GeoEngineers
HENSEL PHELPS Plan. Build. Manage.
kpff
LINE IS 1" AT FULL SCALE
SoundTransit

SUBMITTED BY: SARA ROBERTS
DATE: 10/26/2022
REVIEWED BY: GREG SHIMIZU
DATE: 10/26/2022

SCALE: NTS
FILENAME: S317-F1592-BSY001
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

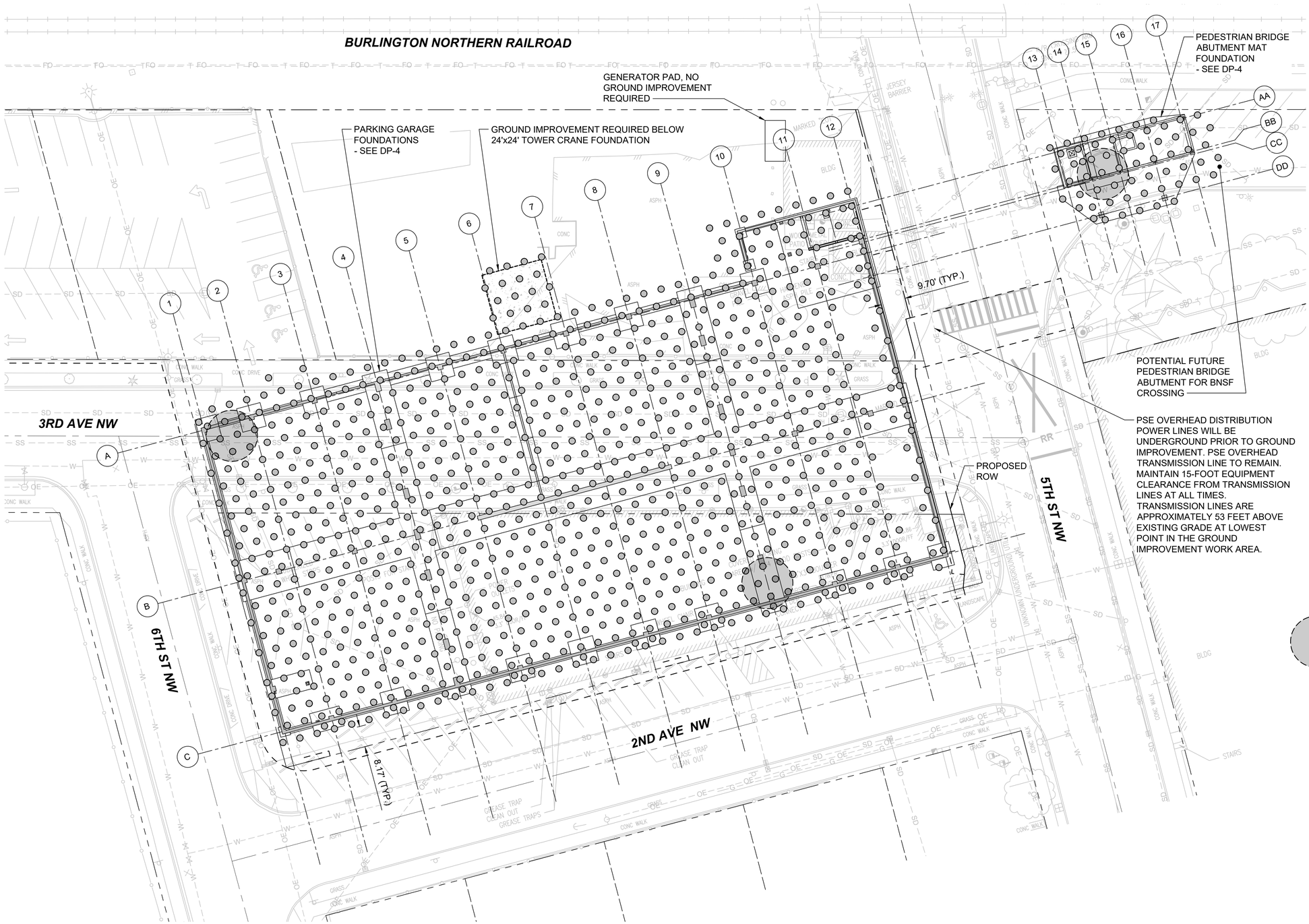
PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS

ENVIRONMENTAL / ENVIRONMENTAL REMEDIATION
ORC APPLICATION DETAILS

DRAWING No.: F1592-BSY001
FACILITY ID: F1592
SHEET No.: 159
REV: 0

S BRONSON

Xrefs:
xGB-TB22x34
xS317-F1592-RPP100
xS317-F1592-VRX00
xS317-F1592-BNP010



NOTES:

1. GROUND IMPROVEMENT SHALL CONSIST OF STONE COLUMNS.
2. SEE DRAWING F1592-BNY100 FOR TYPICAL SECTION.
3. SEE SPECIFICATION 31 32 13.33 FOR COORDINATES AND ELEVATIONS OF GROUND IMPROVEMENT ELEMENTS.
4. CONTRACTOR SHALL REVIEW GROUND IMPROVEMENT LAYOUT. GROUND IMPROVEMENT LAYOUT SHOWN IS BASED ON 30-INCH DIAMETER STONE COLUMNS AT A MAXIMUM SPACING OF 7'-0" ON CENTER IN A TRIANGLE PATTERN TO ACHIEVE A MINIMUM AREA REPLACEMENT RATIO OF 11.6%. CONTRACTOR MAY SUBMIT AN ALTERNATE LAYOUT WITH DIFFERENT STONE COLUMN DIAMETERS, PROVIDED THE SAME AREA REPLACEMENT RATIO IS MAINTAINED.
5. UTILITY ABANDONMENT BELOW GARAGE FOOTPRINT AS SHOWN IN DP-1. UTILITY ABANDONMENT BELOW PEDESTRIAN BRIDGE ABUTMENT MAT FOUNDATION AS SHOWN IN DP-2.
6. ALL EXISTING UTILITIES THAT ARE NOT ABANDONED SHALL BE PROTECTED AND GROUND IMPROVEMENT LAYOUT SHALL BE ADJUSTED TO AVOID EXISTING UTILITIES AS APPROVED BY THE GROUND IMPROVEMENT DESIGNER.
7. GROUND IMPROVEMENT INSTALLATION AND TESTING SHALL BE OBSERVED ON A FULL-TIME BASIS BY A REPRESENTATIVE OF THE GEOTECHNICAL ENGINEER OF RECORD. QUALITY CONTROL CPTs SHALL BE COMPLETED WITHIN THE AREAS NOTED.
8. INSTALL MONITORING POINTS FOR EXISTING UTILITIES AND STRUCTURES LOCATED WITHIN 20 FEET OF THE EDGE OF GROUND IMPROVEMENT, AS SHOWN IN THE GEOTECHNICAL INSTRUMENTATION AND MONITORING PLAN. MONITORING POINTS SHALL BE IN PLACE WITH ESTABLISHED BASELINE READINGS PRIOR TO STARTING GROUND IMPROVEMENT INSTALLATION.
9. SEE DRAWING F1592-BGP010 FOR LOAD TRANSFER PLATFORM GRADING.

LEGEND:

- 30-INCH DIAMETER STONE COLUMN - TIP ELEVATION 24 FT (APPROX 20 FT LENGTH) (QTY - 999)
- QUALITY CONTROL CPT LOCATION

N

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SCALE IN FEET

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	BL	TD	DT	FINAL AS-BUILT

DESIGNED BY: B. LARABEE
DRAWN BY: T. MICHAUD
CHECKED BY: T. BAILEY
APPROVED BY: D. THOMPSON

GeoEngineers
HENSEL PHELPS Plan. Build. Manage.
kpff
SUBMITTED BY: SARA ROBERTS
DATE: 10/26/2022
REVIEWED BY: GREG SHIMIZU
DATE: 10/26/2022
LINE IS 1" AT FULL SCALE
SOUNDTRANSIT
SCALE: 1"=20'
FILENAME: S317-F1592-BNP010
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
GEOTECHNICAL
GROUND IMPROVEMENT LAYOUT
GARAGE AND PEDESTRIAN BRIDGE

DRAWING No.: F1592-BNP010
FACILITY ID: F1592
SHEET No.: 160
REV: 0

06/23/22 | 9:51 AM | TMICHAUD
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Xrefs:
xGB-TB22x34
xS317-F1592-VRX100
xS317-F1592-BNP010
dS317-F1592-BGP100
xS317-F1592-RPP100



NOTES:

1. ELEVATIONS SHOWN INDICATE BOTTOM OF LOAD TRANSFER PLATFORM GRADING. CONTRACTOR MAY ADJUST INTERNAL GRADING SLOPES AS REQUIRED.
2. CONTRACTOR TO GRADE AS REQUIRED AROUND PERIMETER OF LOAD TRANSFER PLATFORM TO MATCH EXISTING GRADES.
3. LOAD TRANSFER PLATFORM TO CONSIST OF GRAVEL BORROW COMPACTED TO 95 MAXIMUM DRY DENSITY PER ASTM D 1557. SEE DRAWING F1592-BNY100 FOR TYPICAL SECTION.
4. TOP OF LOAD TRANSFER PLATFORM NOMINALLY 2' HIGHER THAN ELEVATIONS SHOWN ON THIS GRADING PLAN. LOAD TRANSFER PLATFORM THICKNESS SHALL BE ADJUSTED AS REQUIRED TO MATCH BOTTOM ELEVATION OF FOOTINGS AND SLABS.

LEGEND:

- EXTENT OF LOAD TRANSFER PLATFORM
- (43.00) GRADING ELEVATION FOR AREA SHOWN
- 43.00 GRADING SPOT ELEVATION FOR SLOPE
- GRADING TO SLOPE AS SHOWN

N

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SCALE IN FEET

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FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	BL	TD	DT	FINAL AS-BUILT

DESIGNED BY: B. LARABEE
DRAWN BY: T. MICHAUD
CHECKED BY: T. BAILEY
APPROVED BY: D. THOMPSON

GeoEngineers
SUBMITTED BY: SARA ROBERTS
DATE: 10/26/2022

HENSEL PHELPS
Plan. Build. Manage.
kpff
REVIEWED BY: GREG SHIMIZU
DATE: 10/26/2022

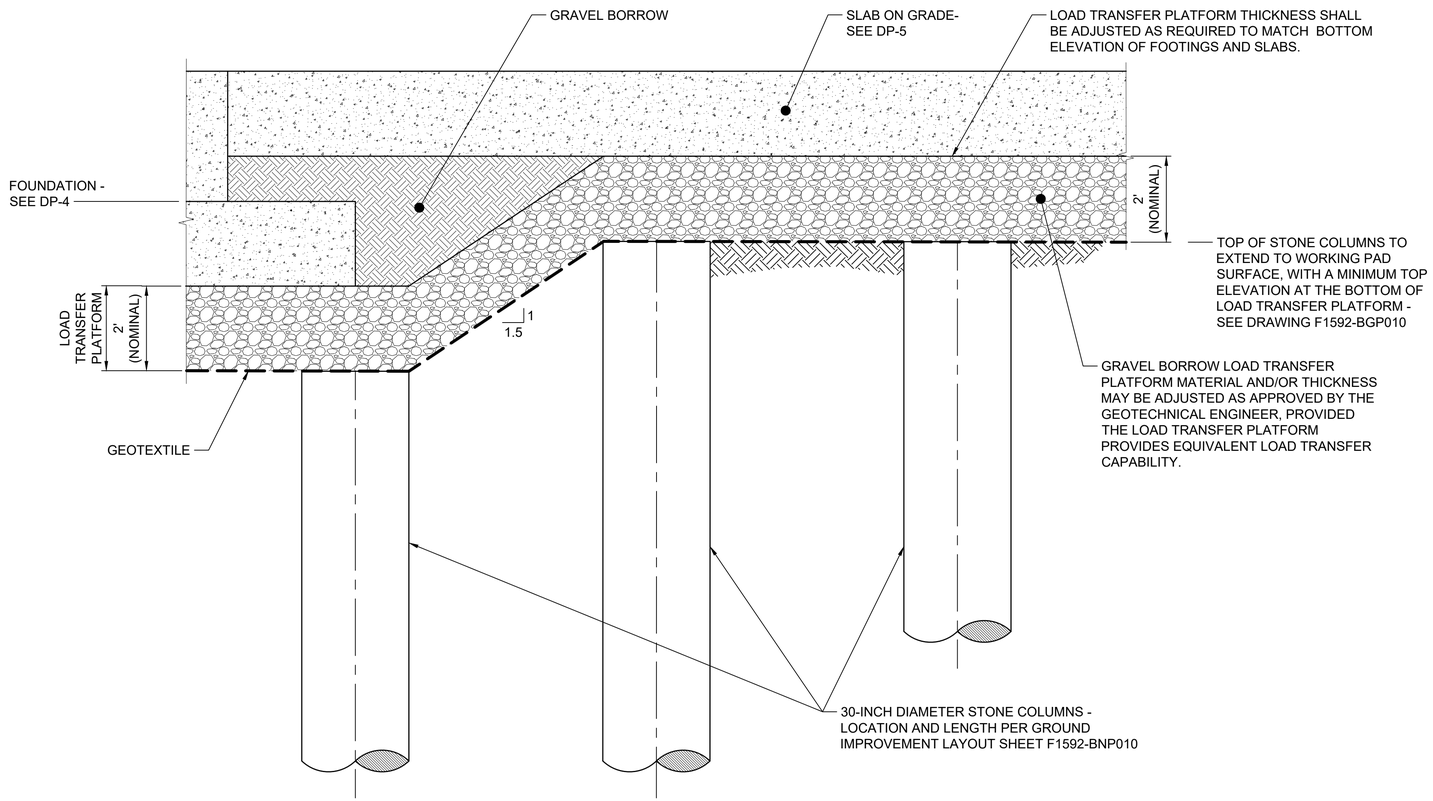
LINE IS 1" AT FULL SCALE

SoundTransit
SCALE: 1"=20'
FILENAME: S317-F1592-BGP010
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
GEOTECHNICAL
GROUND IMPROVEMENT GRADING
GARAGE AND PEDESTRIAN BRIDGE

DRAWING No.: F1592-BGP010
FACILITY ID: F1592
SHEET No.: 161
REV: 0

Xrefs:
xGB-TB22x34



TYPICAL SECTION
SCALE: NTS

NOTES:

1. GROUND IMPROVEMENT SHALL CONSIST OF STONE COLUMNS.
2. SEE DRAWING F1592-BNP010 FOR GROUND IMPROVEMENT LAYOUT.
3. SEE SPECIFICATION 31 32 13.33 FOR COORDINATES AND ELEVATIONS OF GROUND IMPROVEMENT ELEMENTS.
4. CONTRACTOR SHALL COMPACT SUBGRADE SOILS BELOW THE LOAD TRANSFER PLATFORM TO FIRM CONDITIONS PRIOR TO CONSTRUCTING THE LOAD TRANSFER PLATFORM. SEE DRAWING F1592-BGP010 FOR LOAD TRANSFER PLATFORM GRADING.
5. ALL EXISTING UTILITIES SHALL BE PROTECTED AND GROUND IMPROVEMENT LAYOUT SHALL BE ADJUSTED TO AVOID EXISTING UTILITIES AS APPROVED BY THE GROUND IMPROVEMENT DESIGNER.

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	BL	TD	DT	FINAL AS-BUILT

DESIGNED BY:
DRAWN BY: T. MICHAUD
CHECKED BY: T. BAILEY
APPROVED BY: D. THOMPSON

GeoEngineers
HENSEL PHELPS Plan. Build. Manage.
kpff
LINE IS 1" AT FULL SCALE
SOUNDTRANSIT

SUBMITTED BY: SARA ROBERTS
DATE: 10/26/2022
REVIEWED BY: GREG SHIMIZU
DATE: 10/26/2022
SCALE: NTS
FILENAME: S317-F1592-BNY100
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS

GEOTECHNICAL
GROUND IMPROVEMENT DETAILS

DRAWING No.: **F1592-BNY100**
FACILITY ID: F1592
SHEET No.: 162
REV: 0

06/23/22 | 9:56 AM | TMICHAUD
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B LARABEE

STRUCTURAL NOTES

DESIGN LOADS

APPLICABLE CODES
1. 2015 INTERNATIONAL BUILDING CODE (IBC) WITH ADMENDMENTS PER WASHINGTON ADMINISTRATIVE CODE (WAC).
2. SOUND TRANSIT DESIGN CRITERIA MANUAL (DCM), REVISION 5, JUNE 2018, INCLUDING ALL AMENDMENTS.

SPECIFICATIONS
CONSTRUCTION SHALL CONFORM TO THE SOUND TRANSIT PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS (PSAI) PRESCRIPTIVE SPECIFICATIONS.

DEAD LOADS
THE SELF WEIGHT OF STRUCTURE INCLUDING A SPREAD SUPERIMPOSED DEAD LOAD LISTED BELOW WAS USED FOR DESIGN.

CONCRETE UNIT WEIGHT	151 PCF
HYDROPHOBIC CONCRETE UNIT WEIGHT	155 PCF
PARKING SUPERIMPOSED DEAD LOAD	5 PSF
STAIR AND ELEVATOR ROOF SUPERIMPOSED DEAD LOAD	10 PSF
PEDESTRIAN BRIDGE DECK SUPERIMPOSED DEAD LOAD	15 PSF
PEDESTRIAN BRIDGE ROOF SUPERIMPOSED DEAD LOAD	15 PSF

LIVE LOADS
IN ADDITION TO THE DEAD LOADS, THE FOLLOWING FLOOR LIVE LOADS WERE USED FOR DESIGN. LIVE LOAD REDUCTION IS PER IBC SECTION 1607.10 FOR FLOORS AND 1607.12 FOR ROOFS.

		REDUCIBLE	UNREDUCIBLE
STAIRS & CORRIDORS	100 PSF	X	
MACHINERY AND STORAGE ROOMS	250 PSF		X
ROOF, NON-PARKING	20 PSF	X	
PEDESTRIAN BRIDGE DECK	100 PSF		X
PARKING FLOOR	40 PSF		X, SEE NOTE 1 BELOW

1. MEMBERS SUPPORTING TWO OR MORE FLOORS OF PARKING LOAD HAVE REDUCED LOADS PER IBC SECTION 1607.10.1.3.

REFER TO TABLE 1607.1 AND SECTION 1607.4 IN THE IBC FOR RELEVANT CONCENTRATED LIVE LOADS.

MAINTENANCE LIVE LOAD
THE GARAGE STRUCTURE, AND LEVEL 3 OF THE PEDESTRIAN BRIDGE BETWEEN GRID CC AND DD HAVE BEEN CHECKED FOR LOADING FROM GENIE LIFT Z-33/18 (MAX VEHICLE WEIGHT OF 8,540 LBS). THE FOLLOWING LOAD LIMITATIONS ARE REQUIRED FOR THIS CONDITION:
- WHEN DEPLOYED - AN AREA OF 30' ALL AROUND DEPLOYED LIFT SHALL HAVE LIVE LOAD LIMIT OF 20 PSF.
- PATH OF TRAVEL THROUGH GARAGE AT LEVEL 5 - PARKING STALLS SHALL HAVE A LIVE LOAD LIMIT OF 40 PSF AND THE DRIVE AISLES SHALL HAVE A LIMIT OF 20 PSF. THIS LIVE LOAD LIMIT IN THE DRIVE AISLES SHALL EXTEND FOR 30' FRONT AND BACK OF LIFT

ROOF SNOW LOAD
MINIMUM ROOF UNIFORM DESIGN LOAD 25 PSF (PER THE SEAW SNOW LOAD ANALYSIS FOR WASHINGTON AND THE WABO/SEAW LIAISON COMMITTEE WHITE PAPER 8-2010, FOR LOW LYING AREA BETWEEN THE CASCADES AND THE COASTAL MOUNTAINS OF WESTERN WASHINGTON)

SEISMIC LOADS
EARTHQUAKE DESIGN IS BASED ON THE MODAL ANALYSIS PROCEDURE IN ASCE 7 SECTION 12.9 WITH THE FOLLOWING FACTORS:

SITE CLASS F
RISK CATEGORY II
SEISMIC DESIGN CATEGORY D
I_e = 1.00 h_n = 43.7 FT (GARAGE)
S_s = 1.25 g 34.3 FT (PED BRIDGE & EAST ABUTMENT)
S_1 = 0.48 g
S_{DS} = 0.70 g T_L = 6 SECONDS
S_{D1} = 0.65 g ρ = 1.3 (GARAGE, PED BRIDGE, AND EAST ABUTMENT)

EARTHQUARE AND WIND LOADS ARE RESISTED BY LATERAL SYSTEMS NOTED BELOW:

GARAGE STRUCTURE (E-W)
BUILDING FRAME SYSTEM: SPECIAL REINFORCED CONCRETE SHEAR WALLS
R = 6 Ω_o = 2.5 C_d = 5 Cs = 0.117 V = 2206K

GARAGE STRUCTURE (N-S)
MOMENT-RESISTING FRAME SYSTEM: SPECIAL REINFORCED CONCRETE MOMENT FRAMES
R = 8 Ω_o = 3 C_d = 5.5 Cs = 0.088 V = 1655K

PEDESTRIAN BRIDGE AND EAST STAIR/ELEVATOR TOWER
BUILDING FRAME SYSTEM: SPECIAL STEEL CONCENTRICALLY BRACED FRAMES
R = 6 Ω_o = 2 C_d = 5 Cs = 0.117 V = 51K

THE SEISMIC FORCE-RESISTING SYSTEMS (SFRS) ARE COMPRISED OF THE STRUCTURAL CONCRETE AND STEEL MEMBERS AND CONNECTIONS IDENTIFIED IN PLAN AND ON THE SHEAR WALL, MOMENT FRAME, AND BRACED FRAME ELEVATIONS.

WIND LOADS
WIND LOAD IS DETERMINED USING ASCE 7 CHAPTERS 26-31 IN ACCORDANCE WITH IBC SECTION 1609 AND WITH THE FOLLOWING FACTORS:

RISK CATEGORY II Kd = 0.85
EXPOSURE CATEGORY C Kzt = 1.00
Vult = 110 MPH Vasd = 85 MPH

INTERNAL PRESSURE COEFFICIENT

ENCLOSED GCpi = ±0.18

COMPONENTS AND CLADDING PRESSURE (NOTE 2-3)

STRUCTURE CLASSIFICATION	ENCLOSED
WALLS	36 PSF
WALLS NEAR CORNERS (NOTE 1)	44 PSF
ROOFS	44 PSF
ROOFS NEAR EDGE (NOTE 1)	69 PSF
ROOFS NEAR CORNERS (NOTE 1)	94 PSF

NOTES:
1. WITHIN 12' OF EDGE(S)
2. PRESSURES ARE FOR EFFECTIVE WIND AREA <10 SF.
3. WIND PRESSURES NOTED ARE FACTORED LOADS.

SEISMIC STORY DRIFTS
GARAGE: INELASTIC STORY DRIFT = 1.80% OF STORY HEIGHT
PEDESTRIAN BRIDGE: INELASTIC STORY DRIFT = 0.90% OF STORY HEIGHT
ELASTIC STORY DRIFT = INELASTIC STORY DRIFT DIVIDED BY C_d/I_e

SOILS
SEE "SOUND TRANSIT PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS - GEOTECHNICAL DATA AND DESIGN REPORT - FINAL" DOCUMENT BY GEOENGINEERS, DATED 09/16/2020. GROUND IMPROVEMENT, EARTHWORK MATERIAL, BACKFILL, AND COMPACTION SHALL BE IN ACCORDANCE WITH THE RECOMMENDATIONS OF THE GEOTECHNICAL REPORT. BACKFILL BEHIND WALLS SHALL NOT BE PLACED BEFORE THE WALLS AND SUPPORTING SLABS ACHIEVE 28 DAY CONCRETE STRENGTH OR THE WALLS ARE TEMPORARILY BRACED. ALL TOPSOIL ORGANICS AND LOOSE SURFACE SOIL SHALL BE REMOVED FROM BENEATH FILL SUPPORTING CONCRETE SLAB OR PAVINGS.

SOIL LOADS
ALLOWABLE SOIL-BEARING PRESSURE:
6000 PSF DL + LL
8000 PSF DL + LL + E/W
SEE DP-2 FOR MORE INFORMATION REGARDING GEOTECHNICAL STONE COLUMN GROUND IMPROVEMENTS
COEFFICIENT OF FRICTION: 0.40

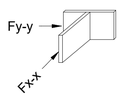
RETAINING WALL LOADS:
DRAINED ACTIVE PRESSURE 34 PCF
UNDRAINED ACTIVE PRESSURE 82 PCF
DRAINED AT-REST PRESSURE 52 PCF
UNDRAINED AT-REST PRESSURE 93 PCF
SEISMIC CONSIDERATION 7 H (PSF; "H" = HEIGHT OF WALL)
VEHICLE SURCHARGE 83 PSF (BASED ON 250 PSF LIVE LOAD)

PASSIVE RESISTANCE: 250 PCF (STATIC); 500 PCF (SEISMIC)
THE PASSIVE RESISTANCE IN THE UPPER 2 FEET SHOULD BE IGNORED UNLESS COVERED BY PAVEMENT OR SLABS.

SUBGRADE REACTION MODULUS 120 PCI ON GROUND IMPROVEMENTS ADJUSTED FOR AREA PER NAFVAC 1986

ELEVATOR FORCES

RAIL LIVE: Fx-x = 587 LB Fy-y = 292 LB Δ_{MAX} = 1/8"
RAIL SEISMIC: Fx-x = 2,436 LB Fy-y = 1,218 LB Δ_{MAX} = 1/4"



JACK IMPACT LOAD: 11,380 LB
BUFFER IMPACT LOAD: 13,430 LB

NOTE THAT LOADS ARE ASSUMED TO NOT OCCUR CONCURRENTLY FOR DESIGN OF STRUCTURE. LOADS ARE PER JACK AND PER BUFFER, AND THERE ARE TWO JACKS AND TWO BUFFERS ASSUMED.

GENERAL NOTES

PEDESTRIAN BRIDGE DEFLECTION AND VIBRATION DESIGN CRITERIA:
- PEDESTRIAN LIVE LOAD DEFLECTION LIMIT = L/360 (MAIN SPAN)
- PEDESTRIAN LIVE LOAD DEFLECTION LIMIT = L/220 (CANTILEVER)
- HORIZONTAL WIND LOAD DEFLECTION LIMIT = L/360 (MAIN SPAN)
- MINIMUM VERTICAL FREQUENCY = 3 HZ
- MINIMUM HORIZONTAL FREQUENCY = 1.3 HZ

SUBMITTALS
SHOP DRAWINGS SHALL BE SUBMITTED TO THE DESIGNER OF RECORD PRIOR TO ANY FABRICATION OR CONSTRUCTION FOR ALL STRUCTURAL ITEMS, INCLUDING THE FOLLOWING: CONCRETE OR MASONRY REINFORCEMENT, PRECAST OR PRESTRESSED CONCRETE ITEMS, EMBEDDED STEEL ITEMS, STRUCTURAL STEEL, STEEL DECK, SHEAR STUD LAYOUT, METAL GRATING, CLADDING PANELS AND STAIRS.

IF THE SHOP DRAWINGS DIFFER FROM OR ADD TO THE DESIGN OF THE STRUCTURAL DRAWINGS, THEY SHALL BEAR THE SEAL AND SIGNATURE OF THE WASHINGTON STATE REGISTERED PROFESSIONAL ENGINEER WHO IS RESPONSIBLE FOR THE DESIGN.

DEFERRED SUBMITTALS
PER IBC SECTION 107.3.4.1, DRAWINGS AND CALCULATIONS FOR THE DESIGN AND FABRICATION OF ITEMS THAT ARE DESIGNED BY OTHERS SHALL BEAR THE SEAL AND SIGNATURE OF THE WASHINGTON STATE REGISTERED PROFESSIONAL ENGINEER WHO IS RESPONSIBLE FOR THE DESIGN AND SHALL BE SUBMITTED TO THE DESIGNER OF RECORD AND THE BUILDING DEPARTMENT FOR REVIEW PRIOR TO FABRICATION.

DEFERRED SUBMITTALS INCLUDE BUT ARE NOT LIMITED TO THE FOLLOWING:
- PRESTRESSED CONCRETE
- CABLE BARRIER SYSTEM
- PRECAST CONCRETE
- GUARDRAILS, HANDRAILS, AND ASSOCIATED ANCHORAGE, UNO
- EXTERIOR CLADDING AND STEEL MESH SYSTEMS
- EQUIPMENT AND UTILITY DISTRIBUTION (PIPING, CONDUIT, ETC.) ANCHORAGE
- SEISMIC DESIGN OF NONSTRUCTURAL COMPONENTS AND ANCHORAGE
- NON-LOAD BEARING COLD-FORMED STEEL FRAMING
- SUSPENDED CEILINGS
- ALTERNATE ANCHORS (WHEN ALTERNATE ANCHORS ARE PROPOSED)
- FALL PROTECTION AND WINDOW WASHING
- LIGHT POLES, SIGNAGE AND ASSOCIATED ANCHORAGE
- SEISMIC JOINTS/COVERS AND ASSOCIATED ANCHORAGE

NONSTRUCTURAL COMPONENTS
DESIGN, DETAILING AND ANCHORAGE OF ALL NONSTRUCTURAL COMPONENTS SHALL BE IN ACCORDANCE WITH IBC SECTION 1613, ASCE 7 CHAPTER 13, AND THE PROJECT SPECIFICATIONS. NONSTRUCTURAL COMPONENTS DESIGNED BY OTHERS SHALL NOT INDUCE TORSIONAL LOADING INTO SUPPORTING STRUCTURAL MEMBERS WITHOUT ADDITIONAL BRACING OF THOSE MEMBERS TO ELIMINATE TORSIONAL FORCES. TORSIONAL BRACING SHALL BE DESIGNED BY THE NONSTRUCTURAL COMPONENT DESIGNER AND APPROVED BY THE DESIGNER OF RECORD.

DESIGN, DETAILING AND CONSTRUCTION OF ALL NONSTRUCTURAL COMPONENTS WHICH ATTACH TO STRUCTURE SHALL ACCOMMODATE CONSTRUCTION TOLERANCES AS ESTABLISHED BY THE STRUCTURAL SPECIFICATIONS. DESIGN LOADS MUST BE CONSISTENT TO LOADING/CONFIGURATION PER PLANS. ANY NONSTRUCTURAL COMPONENTS WHICH ATTACH TO MORE THAN ONE LEVEL OF THE STRUCTURE SHALL ALSO ACCOMMODATE THE FOLLOWING RELATIVE MOVEMENTS BETWEEN LEVELS WITHOUT DAMAGE TO THE NONSTRUCTURAL COMPONENTS:

VERTICAL DEFLECTION OF ±1.0 INCH DUE TO VARIABLE LIVE LOADS
ELASTIC STORY DRIFT PER GARAGE SPECIFIC STRUCTURAL NOTES "STORY DRIFT" SECTION.

IN ADDITION, NONSTRUCTURAL COMPONENTS ATTACHED TO MORE THAN ONE LEVEL SHALL ACCOMMODATE AN INELASTIC STORY DRIFT PER GARAGE SPECIFIC STRUCTURAL NOTES "STORY DRIFT" SECTION WITHOUT CREATING A LIFE SAFETY HAZARD.

PRE-ENGINEERED STAIRS
STAIRS DESIGNED BY OTHERS SHALL NOT INDUCE TORSIONAL LOADING INTO SUPPORTING STRUCTURAL MEMBERS. TORSIONAL BRACING SHALL BE DESIGNED BY THE STAIR DESIGNER AND APPROVED BY THE DESIGNER OF RECORD.

SEE REQUIREMENTS ABOVE IN THE "NONSTRUCTURAL COMPONENTS" FOR ACCOMMODATIONS OF ELASTIC AND INELASTIC STORY DRIFT WHEN STAIRS ATTACH TO MORE THAN ONE LEVEL.

CLADDING
CLADDING DESIGNED BY OTHERS SHALL BE SUPPORTED AT EACH STORY TO BE CONSISTENT WITH THE DESIGN OF THE BUILDING STRUCTURE. CLADDING DESIGNED BY OTHERS SHALL NOT INDUCE TORSIONAL LOADING INTO SUPPORTING STRUCTURAL MEMBERS WITHOUT ADDITIONAL BRACING OF THOSE MEMBERS TO ELIMINATE TORSIONAL FORCES, UNLESS OTHERWISE APPROVED BY THE DESIGNER OF RECORD. TORSIONAL BRACING SHALL BE DESIGNED BY THE CLADDING DESIGNER AND APPROVED BY THE DESIGNER OF RECORD.

SEE REQUIREMENTS ABOVE IN THE "NONSTRUCTURAL COMPONENTS" FOR ACCOMMODATIONS OF ELASTIC AND INELASTIC STORY DRIFT WHEN CLADDING ATTACH TO MORE THAN ONE LEVEL.

INSPECTION
SPECIAL INSPECTION PER IBC CHAPTER 17 SHALL BE PERFORMED BY AN APPROVED TESTING AGENCY AS INDICATED IN THE STATEMENT OF SPECIAL INSPECTIONS AND TESTING. ALL PREPARED SOIL-BEARING SURFACES SHALL BE INSPECTED BY THE GEOTECHNICAL ENGINEER PRIOR TO PLACEMENT OF REINFORCING STEEL. SOILS COMPACTION SHALL BE SUPERVISED BY AN APPROVED TESTING AGENCY OR GEOTECHNICAL ENGINEER.

STRUCTURAL OBSERVATION
STRUCTURAL OBSERVATION OF THE SFRS WILL BE PERFORMED BY THE STRUCTURAL ENGINEER OF RECORD IN ACCORDANCE WITH IBC SECTION 1704.6. STRUCTURAL OBSERVATION CONSISTS OF VISUAL OBSERVATION OF THE STRUCTURAL SYSTEMS FOR GENERAL CONFORMANCE TO THE CONSTRUCTION DOCUMENTS AND DOES NOT INCLUDE OR WAIVE THE RESPONSIBILITY FOR THE INSPECTIONS REQUIRED BY THE IBC AND AS SHOWN IN THE SPECIAL INSPECTIONS SCHEDULE. CONTRACTOR SHALL PROVIDE A MINIMUM OF 24 HOURS NOTICE BEFORE CONCEALING THE FOLLOWING STRUCTURAL COMPONENTS FROM VIEW:

- REINFORCING STEEL FOR THE FIRST PLACEMENT OF THE FOLLOWING ELEMENTS: SFRS FOUNDATIONS, SHEAR WALL REINFORCING STEEL AND MOMENT FRAME REINFORCING STEEL.
- COMPLETION OF FIRST BRACED FRAME.

SPECIAL CONDITIONS
CONTRACTOR SHALL VERIFY ALL LEVELS, DIMENSIONS, AND EXISTING CONDITIONS IN THE FIELD BEFORE PROCEEDING. CONTRACTOR SHALL NOTIFY THE DESIGNER OF RECORD OF ANY DISCREPANCIES OR FIELD CHANGES PRIOR TO INSTALLATION OR FABRICATION. IN CASE OF DISCREPANCIES BETWEEN THE EXISTING CONDITIONS AND THE DRAWINGS, THE CONTRACTOR SHALL OBTAIN DIRECTION FROM THE DESIGNER OF RECORD BEFORE PROCEEDING. DIMENSIONS NOTED AS PLUS OR MINUS (±) INDICATE UNVERIFIED DIMENSIONS AND ARE APPROXIMATE. NOTIFY DESIGNER OF RECORD IMMEDIATELY OF CONFLICTS OR EXCESSIVE VARIATIONS FROM INDICATED DIMENSIONS. NOTED DIMENSIONS TAKE PRECEDENCE OVER SCALED DIMENSIONS--DO NOT SCALE DRAWINGS. DIMENSIONS OF EXISTING CONDITIONS MAY BE BASED ON RECORD DRAWINGS AND ARE TO BE FIELD-VERIFIED BY THE CONTRACTOR.

CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS BEFORE COMMENCING ANY DEMOLITION. CONTRACTOR SHALL PROVIDE ADEQUATE SHORING AND BRACING OF ALL STRUCTURAL MEMBERS, EXISTING CONSTRUCTION AND SOIL EXCAVATIONS, AS REQUIRED, AND IN A MANNER SUITABLE TO THE WORK SEQUENCE. TEMPORARY SHORING AND BRACING SHALL NOT BE REMOVED UNTIL ALL FINAL CONNECTIONS HAVE BEEN COMPLETED IN ACCORDANCE WITH THE DRAWINGS AND MATERIALS HAVE ACHIEVED DESIGN STRENGTH. NO REINFORCING BARS IN EXISTING CONSTRUCTION SHALL BE CUT UNLESS DIRECTED TO BY THE DESIGNER OF RECORD OR AS SHOWN ON THE DRAWINGS.

CONTRACTOR SHALL BE RESPONSIBLE FOR ALL SAFETY PRECAUTIONS AND THE METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES REQUIRED TO PERFORM THE WORK.

BASEMENT WALLS CAST AGAINST SHORING
CONTRACTOR SHALL COORDINATE SHORING PLACEMENT TOLERANCES WITH THE ARCHITECT, SHORING CONTRACTOR, AND STRUCTURAL ENGINEER. SHORING SHALL NOT ENCROACH INTO THE BASEMENT WALL THICKNESS.

MEMBER SPACING
ALL FRAMING MEMBERS SHALL BE EQUALLY SPACED BETWEEN GRID LINES, COLUMNS, AND DIMENSIONED FRAMING UNLESS NOTED OTHERWISE.

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	NAS	JDA	SLR	FINAL AS-BUILT

DESIGNED BY: N. SCHWAB
DRAWN BY: M. AGUILING
CHECKED BY: J. ARMENA
APPROVED BY: S. ROBERTS

kpff
SUBMITTED BY: SARA ROBERTS
DATE: 10/26/2022

HENSEL PHELPS Plan. Build. Manage. kpff
REVIEWED BY: GREG SHIMIZU
DATE: 10/26/2022

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT
SCALE: AS NOTED
FILENAME: S317-F1592-S_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
STRUCTURAL
STRUCTURAL NOTES

DRAWING No.: F1592-SZN001
FACILITY ID: F1592
SHEET No.: 163 REV: 0

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STRUCTURAL NOTES - CONTINUED

CONCRETE

CONCRETE WORK SHALL CONFORM TO ALL REQUIREMENTS OF IBC CHAPTER 19.

CONCRETE MIXTURES
CONCRETE MIXTURES SHALL CONFORM TO THE FOLLOWING REQUIREMENTS:

CONCRETE MIXTURES

USE	f'c (PSI) @ 28 DAYS	EXPOSURE CLASS				MAX W/CM RATIO	NOTES
		F	S	W	C		
FOUNDATIONS (UNO)	4,000	F0	S1	W1	C1	0.45	-
CONCRETE ON STEEL DECK, CURBS AND PADS	4,000	F1	S0	W0	C1	0.45	-
WALLS (UNO), PLINTHS, SLAB-ON-GRADE	4,500	F1	S1	W1	C1	0.45	-
ELEVATOR PIT WALLS AND PILASTERS	4,500	F1	S1	W1	C1	0.45	2
MOMENT FRAME AND SHEAR WALL MAT FOUNDATIONS	6,000	F0	S1	W0	C1	0.45	-
COLUMNS AND SHEAR WALLS	6,000	F1	S0	W0	C1	0.40	-
ELEVATED SLABS AND BEAMS (UNO), VEHICLE BARRIERS	6,000	F1	S0	W0	C1	0.40	1
ELEVATED SLABS AND BEAMS AT TOP LEVEL, TOP RAMP AND ALL CLOSURE STRIPS	6,000	F2	S0	W1	C1	0.40	1, 2

1. MAXIMUM SHRINKAGE SHALL BE 0.035% AT 28 DAYS IN ACCORDANCE TO ASTM C157.
2. PROVIDE HYDROPHOBIC ADMIXTURE. HYCRETE DOES NOT NEED TO BE AIR ENTRAINED.

CONCRETE MIXTURES SHALL CONFORM TO THE MOST STRINGENT REQUIREMENTS FOR EXPOSURE CLASSES SPECIFIED IN THE TABLE ABOVE AND ACI 318 TABLE 19.3.2.1.

WATER-REDUCING ADMIXTURES MAY BE INCORPORATED IN CONCRETE MIX DESIGNS, BUT SHALL CONFORM TO ASTM C 494, AND BE USED IN STRICT ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS. CaCl2 OR OTHER WATER-SOLUBLE CHLORIDE ADMIXTURES SHALL NOT BE USED.

WATER/CEMENTITIOUS MATERIALS RATIO SHALL BE MEASURED BY WEIGHT AND SHALL BE BASED ON THE TOTAL CEMENTITIOUS MATERIAL. WATER/CEMENTITIOUS MATERIALS RATIO AND WATER CONTENT SHALL BE DETERMINED BY THE SUPPLIER BASED ON STRENGTH REQUIREMENTS AND SHALL NOT EXCEED THE MAXIMUM WATER/CEMENTITIOUS MATERIAL RATIO AND/OR WATER CONTENT IF SHOWN ABOVE OR IN ACI 318 TABLE 19.3.2.1 FOR THE EXPOSURE CLASSES LISTED.

FIELD-MEASURED SLUMP SHALL CONFORM TO THE SUBMITTED CONCRETE MIX DESIGN. TOLERANCE OF SLUMP SHALL CONFORM TO ASTM C 94.

ALL CONCRETE SUBJECT TO EXPOSURE CLASSES F1, F2 OR F3 SHALL BE AIR ENTRAINED, UNO. AIR-ENTRAINING AGENTS SHALL CONFORM TO ASTM C 260. THE AMOUNT OF ENTRAINED AIR SHALL BE ACCORDING TO ACI 318 TABLE 19.3.3.1 WITH A FIELD TOLERANCE OF ±1.5 PERCENT BY VOLUME. THE AMOUNT OF ENTRAINED AIR SHALL BE MEASURED IN THE FIELD AT THE DISCHARGE FROM THE TRUCK.

THE CONTRACTOR SHALL SUBMIT CONCRETE MIX DESIGNS FOR APPROVAL PRIOR TO PLACING ANY CONCRETE. THE MIX DESIGN SHALL BE IN CONFORMANCE WITH ACI 318, CHAPTER 19. THE SUBMITTAL SHALL INDICATE WHERE EACH CONCRETE MIX IS TO BE USED ON THE PROJECT, AS WELL AS THE MAXIMUM AGGREGATE SIZE OF EACH MIX. MAXIMUM AGGREGATE SIZE SHALL CONFORM TO THE PROJECT SPECIFICATIONS. SEE ST CONCRETE SPECIFICATIONS ON ADDITIONAL REQURIEMENTS FOR ENVIRONMENTAL PRODUCT DECLARATION (EPD). USE FORMS AS NOTED ON PROJECT REQUIREMENTS.

CURING
IF THE AIR TEMPERATURE IS EXPECTED TO EXCEED 75 DEGREES F WITHIN 48 HOURS OF PLACING CONCRETE, A MOIST CURE OR SOME OTHER CURING METHOD THAT IS ACI 305R COMPLIANT SHALL BE APPLIED TO SLABS AND BEAMS AFTER FINISHING CONCRETE SURFACES. REFER TO THE PROJECT SPECIFICATIONS FOR CURING REQUIREMENTS.

REINFORCING STEEL

DEFORMED BARS, UNO	ASTM A 615, GRADE 60
COLUMN AND SHEAR WALL TIES	ASTM A 615, GRADE 80
SPECIAL DUCTILE QUALITY DEFORMED BARS	ASTM A 706, GRADE 60 LOW ALLOY
HEADED DEFORMED BARS	ASTM A 970, HEAD TYPE HA

SPECIAL DUCTILE QUALITY (SDQ) DEFORMED BARS SHALL BE USED FOR LONGITUDINAL REINFORCEMENT IN MOMENT FRAME COLUMNS AND BEAMS, VERTICAL REINFORCING IN SHEAR WALLS, DIAGONAL REINFORCING IN DIAGONALLY REINFORCED COUPLING BEAMS, TOP AND BOTTOM REINFORCING IN ALL OTHER COUPLING BEAMS, VERTICAL BARS IN ALL COLUMNS, LONGITUDINAL BARS IN ALL BEAMS, AND OTHER REINFORCING DESIGNATED "SDQ" ON THE DRAWINGS. ASTM A 615, GRADE 60 REBAR MAY BE USED IN THESE MEMBERS IF 1) THE ACTUAL YIELD STRENGTH BASED ON MILL TESTS DOES NOT EXCEED THE SPECIFIED YIELD STRENGTH BY MORE THAN 18,000 PSI (RETESTS SHALL NOT EXCEED THIS VALUE BY MORE THAN AN ADDITIONAL 3,000 PSI), 2) THE RATIO OF THE ACTUAL ULTIMATE TENSILE STRESS TO THE ACTUAL TENSILE YIELD STRENGTH IS NOT LESS THAN 1.25, AND 3) MINIMUM ELONGATION IN 8 INCHES SHALL BE AT LEAST 14% FOR BAR SIZES #3 THROUGH #6, AT LEAST 12% FOR #7 THROUGH #11 BARS, AND AT LEAST 10% FOR #14 AND #18. MILL TEST CERTIFICATIONS FOR SDQ ASTM A 615, GRADE 60 BARS SHALL BE SUBMITTED TO THE OWNER'S SPECIAL INSPECTOR AND ARCHITECT PRIOR TO PLACING THE BARS.

REINFORCING SHALL BE SUPPORTED AS SPECIFIED BY THE PROJECT SPECIFICATIONS AND THE CRSI MANUAL OF STANDARD PRACTICE. REINFORCING STEEL SHALL BE DETAILED IN ACCORDANCE WITH ACI STANDARD OF PRACTICE AS OUTLINED IN ACI 315, "GUIDE TO PRESENTING REINFORCING STEEL DESIGN DETAILS".

LAP ALL REINFORCING BARS AS NOTED ON THE DRAWINGS. WHERE SPLICE LENGTH IS NOT SHOWN, USE TYPE Lb (Lbt FOR TOP BARS) SPLICE PER DEVELOPMENT AND SPLICE LENGTH SCHEDULE. MECHANICAL SPLICES CALLED OUT ON THE PLANS SHALL BE TYPE 1, UNLESS OTHERWISE NOTED. TYPE 1 SPLICES SHALL DEVELOP 125 PERCENT OF THE YIELD CAPACITY OF THE SPLICED BARS IN BOTH TENSION AND COMPRESSION. TYPE 2 SPLICES SHALL DEVELOP THE SPECIFIED TENSILE STRENGTH OF THE SPLICED BARS IN TENSION IN ADDITION TO MEETING TYPE 1 SPLICE REQUIREMENTS. SUBMIT ICC-ES OR IAPMO UES REPORT VAIL FOR THE 2015 IBC DEMONSTRATING COMPLIANCE OF COUPLERS WITH THESE REQUIREMENTS.

REINFORCING STEEL SHALL HAVE PROTECTION AS FOLLOWS, UNLESS NOTED OTHERWISE:

USE		COVER
BEAM STIRRUPS AND COLUMN TIES		1 1/2"
ELEVATED SLAB BARS:	TOP BARS	1 1/2"
	BOTTOM BARS	1"
NONSTRUCTURAL SLAB-ON-GRADE		1 1/2" (TOP)
STRUCTURAL SLAB-ON-GRADE		2" (TOP)
WALL BARS:		2"
FOOTING, GRADE BEAM:		
	BOTTOM BARS	3" (CAST AGAINST EARTH)
	TOP BARS	2"
	SIDE BARS	2"

WELDING OF REINFORCING, WHERE APPROVED BY THE DESIGNER OF RECORD, SHALL BE PERFORMED USING LOW HYDROGEN ELECTRODES AND PREHEATED IN ACCORDANCE WITH AWS D1.4, REINFORCING STEEL WELDING CODE. WELDERS AND WELDING PROCEDURES SHALL BE QUALIFIED IN ACCORDANCE WITH AWS D1.4. MATERIALS SHALL CONFORM TO THE FOLLOWING:

REINFORCING BARS TO BE WELDED	ASTM A 706, GRADE 60, LOW ALLOY
WELDING ELECTRODES	E80XX

NONSHRINK GROUT
NONSHRINK GROUT SHALL HAVE MINIMUM f'c = 5,000 PSI.

STRUCTURAL STEEL

REFERENCE SPECIFICATIONS

STRUCTURAL STEEL	AISC 360 - SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS
HIGH STRENGTH BOLTS	RCSC SPECIFICATION FOR STRUCTURAL JOINTS USING HIGH-STRENGTH BOLTS
WELDING	AWS D1.1, TYPICAL AWS D1.3 FOR STEEL DECK AWS D1.8 FOR SUPPLEMENTAL SEISMIC PROVISIONS AWS PREQUALIFIED JOINT DETAILS
WELDER CERTIFICATION	AMERICAN WELDING SOCIETY (AWS) WASHINGTON ASSOCIATION OF BUILDING OFFICIALS (WABO)
STEEL DECKING	STEEL DECK INSTITUTE PUBLICATION NO. FDDM STEEL DECK INSTITUTE PUBLICATION NO. RDDM AISI S100 - NORTH AMERICAN SPECIFICATION FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS

STEEL MATERIALS

WIDE FLANGE SHAPES (W AND WT)	ASTM A 992
PLATES (PL), BARS	ASTM A 36 TYPICAL, ASTM A 572 GRADE 50 WHERE NOTED
ANGLES (L), CHANNELS (C AND MC)	ASTM A 36
STRUCTURAL TUBES (HSS)	ASTM A 500, GRADE B
STEEL PIPE	ASTM A 53, GRADE B
STRUCTURAL BOLTS	ASTM F 3125, GRADE A 325
ANCHOR RODS	ASTM F 1554, GRADE 36 UNLESS NOTED OTHERWISE
THREADED RODS	ASTM A 36 UNLESS NOTED OTHERWISE
WELDING ELECTRODES	70 KSI, LOW HYDROGEN, TYPICAL 60 KSI, MINIMUM, STEEL DECK AND COLD-FORMED FRAMING

STRUCTURAL STEEL DESIGN, FABRICATION AND ERECTION SHALL CONFORM TO THE REQUIREMENTS OF IBC CHAPTER 22. ALL MEMBERS ARE TO BE ERECTED WITH NATURAL MILL CAMBER OR INDUCED CAMBER UP, UNLESS OTHERWISE NOTED ON THE PLANS. SUBSTITUTION OF MEMBER SIZES OR STEEL GRADE WILL NOT BE ALLOWED WITHOUT PRIOR APPROVAL BY THE DESIGNER OF RECORD. A MINIMUM OF TWO BOLTS IS REQUIRED FOR ALL BEAM CONNECTIONS. ALTERNATIVE CONNECTIONS TO THOSE SHOWN ON THESE DRAWINGS WILL REQUIRE PRIOR APPROVAL BY THE DESIGNER OF RECORD.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL ERECTION AIDS AND JOINT PREPARATIONS THAT INCLUDE, BUT ARE NOT LIMITED TO, ERECTION ANGLES, LIFT HOLES AND OTHER AIDS, WELDING PROCEDURES, REQUIRED ROOT OPENINGS, ROOT FACE DIMENSIONS, GROOVE ANGLES, BACKING BARS, COPES, SURFACE ROUGHNESS VALUES, AND UNEQUAL PARTS.

PROTECTED ZONES
PORTIONS OF THE SEISMIC FORCE-RESISTING SYSTEM MEMBERS, AS DEFINED IN DETAIL 1/F1592-SGD561, ARE DEFINED AS PROTECTED ZONES AND ARE SUBJECT TO THE FOLLOWING LIMITATIONS:
1. WITHIN THE PROTECTED ZONES, HOLES, TACK WELDS, ERECTION AIDES, AIR-ARC GOUGING, AND UNSPECIFIED THERMAL CUTTING FROM FABRICATION OR ERECTION OPERATIONS SHALL BE REPAIRED AS REQUIRED BY THE ENGINEER.
2. WELDED, BOLTED, SCREWED OR SHOT-IN ATTACHMENTS FOR PERIMETER EDGE ANGLES, EXTERIOR FACADES, PARTITIONS, DUCT WORK, PIPING OR OTHER CONSTRUCTION SHALL NOT BE PLACED WITHIN THE PROTECTED ZONES.

PROTECTION OF STEEL
STRUCTURAL STEEL AND CONNECTIONS, INCLUDING PLATES AND OTHER STEEL ITEMS EMBEDDED IN CONCRETE, WHICH ARE EXPOSED TO WEATHER AND NOT TO BE PAINTED ACCORDING TO THE ARCHITECT, SHALL BE HOT-DIPPED GALVANIZED AFTER FABRICATION IN COMPLIANCE WITH ASTM A 123. ALL FIELD WELDS ON GALVANIZED MATERIAL SHALL BE COATED WITH BRUSH APPLIED ZINC-RICH PAINT COMPLYING WITH THE SPECIFICATIONS.

WELDING
ALL WELDING SHALL BE IN CONFORMANCE WITH AISC AND AWS STANDARDS, AND SHALL BE PERFORMED BY WABO-CERTIFIED WELDERS. ONLY WELDS THAT ARE PREQUALIFIED, AS DEFINED BY AWS, OR QUALIFIED BY TESTING SHALL BE USED. SHOP DRAWINGS SHALL SHOW ALL WELDING WITH AWS A2.4 SYMBOLS. WELDS SHOWN ON THE DRAWINGS ARE MINIMUM SIZES. INCREASE WELD SIZE TO AWS MINIMUM SIZES BASED ON THICKNESS. MINIMUM WELD SIZE SHALL BE 3/16-INCH, UNLESS NOTED OTHERWISE. THE WELDS SHOWN ARE FOR THE FINAL CONNECTIONS. FIELD WELD SYMBOLS ARE SHOWN WHERE FIELD WELDS ARE REQUIRED BY THE STRUCTURAL DESIGN. WHERE FIELD WELD IS NOT INDICATED, THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING IF A WELD SHOULD BE SHOP OR FIELD-WELDED IN ORDER TO FACILITATE THE STRUCTURAL STEEL ERECTION.

WELDING OF THE SEISMIC FORCE-RESISTING SYSTEM SHALL BE EXECUTED IN ACCORDANCE WITH THE PROVISIONS OF AWS D1.8 "STRUCTURAL WELDING CODE - SEISMIC SUPPLEMENT". WELDS ASSOCIATED WITH THE SEISMIC FORCE-RESISTING SYSTEM ARE IDENTIFIED WITHIN THESE DRAWINGS AS FOLLOWS:

NOTE WITHIN WELD TAIL	
D1.8	INDICATES WELDS SUBJECT TO REQUIREMENTS OF D1.8
D1.8-DCW	INDICATES DEMAND CRITICAL WELDS SUBJECT TO ADDITIONAL SPECIFIC REQUIREMENTS WITHIN D1.8

THE LOWEST ANTICIPATED SERVICE TEMPERATURE IS 10 DEGREES FAHRENHEIT FOR DETERMINATION OF REQUIRED CHARPY V-NOTCH TOUGHNESS LEVEL.

ANCHORS

POST-INSTALLED ANCHORS
PROVIDE POST-INSTALLED ANCHORS AS INDICATED IN THESE DRAWINGS AND THE SPECIFICATIONS.

PROOF LOAD TESTING ALONE IS NOT RECOGNIZED AS MEETING SPECIAL INSPECTION REQUIREMENTS. SEE ST STANDARD SPECIFICATION 03 15 25 FOR POST-INSTALLED ANCHOR TESTING.

WELDED HEADED STUDS, WELDED THREADED STUDS, AND DEFORMED BAR ANCHORS
ALL STUDS AND DEFORMED BAR ANCHORS (DBA) SHALL BE AUTOMATICALLY END WELDED IN SHOP OR FIELD WITH EQUIPMENT RECOMMENDED BY MANUFACTURER WITH LENGTH AFTER WELD AS SHOWN ON THE STRUCTURAL DRAWINGS.

TYPE	MATERIAL	SIZE
WELDED HEADED STUDS	ASTM A 108	3/4"Ø UNLESS NOTED OTHERWISE
WELDED THREADED STUDS	ASTM A 108	PER DETAILS
DEFORMED BAR ANCHORS	ASTM A 1064	1/2"Ø UNLESS NOTED OTHERWISE

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FINAL AS-BUILT

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LINE IS 1" AT FULL SCALE

SOUNDTRANSIT
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PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
STRUCTURAL
STRUCTURAL NOTES

DRAWING No.: F1592-SZN002
FACILITY ID: F1592
SHEET No.: 164
REV.: 0

STRUCTURAL NOTES - CONTINUED

POST-TENSIONED CONCRETE

REFERENCE STANDARDS
PTI SPECIFICATION FOR UNBONDED SINGLE STRAND TENDONS
PTI FIELD PROCEDURES MANUAL FOR UNBONDED SINGLE STRAND TENDONS
ACI 318 BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE

MATERIALS
SHALL CONFORM TO THE FOLLOWING:

TENDON
AN ASSEMBLAGE OF A SINGLE STRAND, ALONG WITH SHEATHING AND GREASE.

STRAND
ASTM A 416 GRADE 270, 1/2 INCH DIAMETER, 7-WIRE LOW RELAXATION STRAND.

SHEATHING
WATERPROOF POLYETHYLENE PLASTIC TUBING OF 50 MILS MINIMUM THICKNESS.

GREASE
CONFORMING TO THE REQUIREMENTS IN SECTION 5 OF THE PTI SPECIFICATION FOR UNBONDED SINGLE STRAND TENDONS.

ANCHORAGES AND COUPLERS
SHALL BE THE ICC/IAPMO APPROVED MANUFACTURER'S STANDARD DESIGN FOR THE LOADS APPLIED. MINIMUM CONCRETE COVER FOR ANCHORAGES SHALL BE 2 INCHES. SIZE OF BEARING PLATES SHALL BE IN ACCORDANCE WITH ACI 318, UNLESS CERTIFIED TEST REPORTS ARE SUBMITTED PROVING ACCEPTABLE DEVIATION.

ENCAPSULATION
ENCAPSULATE ANCHORS WITH GREASE-FILLED CLEAR TUBES OR USE GENERAL TECHNOLOGIES ZERO-VOID SYSTEM. GREASE-FILLED CLEAR TUBES SHALL OVERLAP A MINIMUM OF 4 INCHES WITH END OF TENDON SHEATHING. GREASE -FILLED WATERTIGHT CAPS SHALL BE APPLIED TO ALL TENDON ENDS.

PLASTIC BEARING PADS
PLASTIC BEARING PADS USED IN POST-TENSIONED CONCRETE SLAB RELEASE JOINTS SHALL BE 1/8" HIGH DENSITY POLYETHYLENE (HDPE) SMOOTH FINISHED SHEETS.

FINAL EFFECTIVE PRESTRESS
THE QUANTITY OF TENDONS SHOWN ON THE DRAWINGS IS BASED ON A FINAL EFFECTIVE PRESTRESS FORCE OF 26.8 KIPS PER TENDON. IF THE FINAL EFFECTIVE PRESTRESS FORCE AT ANY LOCATION IS LESS THAN 26.8 KIPS PER TENDON, PROVIDE ADDITIONAL TENDONS AS REQUIRED SO THAT THE FINAL EFFECTIVE FORCE PROVIDED IS NOT LESS THAN 26.8 KIPS PER TENDON MULTIPLIED BY THE NUMBER OF TENDONS SHOWN.

SUBMITTALS
THE FOLLOWING SHALL BE SUBMITTED FOR THE DESIGNER OF RECORD'S REVIEW PRIOR TO CONSTRUCTION: PRODUCT DATA, SHOP DRAWINGS, DESCRIPTION OF THE POST-TENSIONING SYSTEM AND METHOD PROPOSED FOR USE, CALCULATIONS, QUALIFICATIONS, MILL CERTIFICATES, AND GROUT SAMPLES. SEE THE SPECIFICATIONS FOR SUBMITTAL CONTENT AND REQUIREMENTS. SUBMIT PROJECT RECORD DRAWINGS AT THE CONCLUSION OF THE PROJECT PER THE SPECIFICATIONS.

PLACING
TENDONS SHALL BE INSTALLED WITH A PARABOLIC DRAPE AND HELD IN THEIR DESIGNATED POSITIONS SHOWN ON THE DRAWINGS. VERTICAL TOLERANCE FOR PLACING TENDON SHALL NOT EXCEED 1/4-INCH IN SLABS AND BEAMS, OR 1/2-INCH IN BEAMS WITH DEPTH GREATER THAN 24 INCHES. TENDONS SHALL CLEAR OPENINGS AND DRAINS BY A MINIMUM OF 3 INCHES. TENDON LOCATIONS GOVERN OVER REINFORCEMENT, CONDUIT OR PIPE LOCATIONS. TWISTING OR ENTWINING OF INDIVIDUAL WIRES OR STRANDS WITHIN A BUNDLE SHALL NOT BE PERMITTED.

SUPPORT TENDONS TO PREVENT DISPLACEMENT DURING PLACEMENT OF CONCRETE. CHAIRS SHALL BE MECHANICALLY FASTENED TO FORMWORK UPON THE DESIGNER OF RECORD'S REQUEST. PLASTIC TIP LEGGED CHAIRS SHALL BE USED ON ALL EXPOSED SURFACES. STORE AND HANDLE TENDONS IN A MANNER THAT WILL PROTECT THEM FROM CORROSION PRIOR TO PLACEMENT.

FORMWORK REMOVAL
REFER TO SPECIFICATION SECTION 03 11 00 FOR FORMWORK REMOVAL REQUIREMENTS. THE GARAGE STRUCTURE IS CLASSIFIED AS "POST-TENSIONED SYSTEMS" IN TABLE 03 11 00-A. FORMWORK CAN BE REMOVED AS SOON AS POST-TENSIONING OPERATIONS HAVE BEEN COMPLETED AND APPROVED BY THE CONTRACTOR'S QUALITY MANAGER.

SHEATHING REPAIR
REPAIR MINOR NICKS AND TEARS IN SHEATHING BY SPIRALLY WRAPPING WITH A POLYETHYLENE TAPE TO PROVIDE A MINIMUM OF 2 LAYERS AT ALL LOCATIONS. FOR SHEATHING DAMAGE LONGER THAN 2 INCHES OR MORE THAN 0.5 SQUARE INCHES OF SHEATHING MISSING, PLACE TWO LAYERS OF LONGITUDINALLY SLIT SHEATHING OVER THE DAMAGED AREA PRIOR TO TAPING. SEE SPECIFICATIONS FOR PROCEDURE AND PRODUCT REQUIREMENTS, DO NOT USE DUCT TAPE.

TENDON STRESSING
SHALL CONFORM TO THE FOLLOWING:

CONCRETE STRENGTH
POST-TENSIONED CONCRETE SHALL HAVE A MINIMUM STRENGTH OF 3,000 PSI AT TIME OF STRESSING. EXTRA FIELD-CURED TEST CYLINDERS, TAKEN AND TESTED AT THE CONTRACTOR'S EXPENSE, SHALL BE USED TO SUBSTANTIATE CONCRETE STRENGTH BEFORE POST-TENSIONING.

SCHEDULE AND SEQUENCE
TENSIONING SHALL START ONCE THE CONCRETE HAS REACHED THE SPECIFIED STRENGTH AT TIME OF STRESSING, BUT NO LATER THAN 96 HOURS AFTER CONCRETE PLACEMENT. IF THE CONCRETE HAS NOT REACHED THE SPECIFIED STRENGTH AT TRANSFER WITHIN 96 HOURS OF PLACEMENT, APPLY ONE HALF OF THE SPECIFIED JACKING STRESS TO EACH STRAND AT 96 HOURS, AND THE FULL SPECIFIED JACKING STRESS ONCE THE CONCRETE REACHES THE SPECIFIED TRANSFER STRENGTH. TENDONS SHALL BE STRESSED IN THE FOLLOWING SEQUENCE:

1. TEMPERATURE TENDONS
2. UNIFORMLY DISTRIBUTED TENDONS
3. BEAM TENDONS
4. GIRDER TENDONS

JACKING
USE HYDRAULIC JACKS WITH CALIBRATED PRESSURE GAUGES. A CALIBRATION CHART SHALL ACCOMPANY EACH JACK. FORCE IN TENDON AT JACKING SHALL NOT EXCEED 33.0 KIPS. FORCE IN TENDON IMMEDIATELY FOLLOWING ANCHORING SHALL NOT EXCEED 28.9 KIPS. FINAL EFFECTIVE FORCE IN TENDON SHALL NOT BE LESS THAN 26.8 KIPS.

ELONGATIONS
FIELD READING OF ELONGATIONS AND/OR STRESSING FORCES SHALL NOT VARY BY MORE THAN 7 PERCENT FROM THE CALCULATED VALUES.

TENDON CUTTING
SUBMIT STRESSING REPORTS TO THE DESIGNER OF RECORD FOR REVIEW AND ACCEPTANCE BEFORE CUTTING TENDONS. TENDON STRESSING REPORTS SHALL BE COMPLETED BY THE SPECIAL INSPECTOR AND SHALL CONTAIN JACKING FORCES, GAUGE PRESSURES, AND FIELD-MEASURED ELONGATIONS PER THE SPECIFICATIONS. ONLY USE TENDON CUTTING METHODS PERMITTED BY ANCHORAGE AND ENCAPSULATION SYSTEM MANUFACTURER. CUT OFF EXCESS TENDON TO LENGTH SPECIFIED BY THE ENCAPSULATION SYSTEM MANUFACTURER. STRAND LENGTH PROTRUDING BEYOND WEDGES AFTER CUTTING SHALL NOT BE LESS THAN 1/2-INCH. IF OXYACETYLENE CUTTING IS USED, DO NOT DIRECT THE FLAME TOWARD WEDGES.

ANCHORAGES
IMMEDIATELY FOLLOWING TENDON CUTTING, AS SOON AS TENDONS ARE COOL TO THE TOUCH, INSTALL THE GREASE-FILLED WATERTIGHT CAP.

ANCHORAGE GROUTING
WITHIN 24 HOURS OF TENDON CUTTING, FILL ALL STRESSING POCKETS. PROTECT TENDON ANCHORAGES FROM WEATHER PRIOR TO GROUTING. AFTER CLEANING WITH A WIRE BRUSH OR OTHER SUITABLE METHOD, COAT THE INSIDE OF THE POCKET WITH A BONDING AGENT. THE BONDING AGENT SHALL HAVE A CURING TIME OF SUFFICIENT LENGTH TO ALLOW INSTALLATION OF THE POCKET GROUT BEFORE IT BECOMES "TACK FREE". FILL POCKET WITH NONSHRINK MORTAR. MORTAR SHALL NOT CONTAIN WATER SOLUBLE CHLORIDE IONS IN EXCESS OF 0.06 PERCENT, MEASURED BY WEIGHT OF CEMENT IN ACCORDANCE WITH ASTM C 1218, OR CHEMICALS DELETERIOUS TO THE PRESTRESSING STEEL.

CLOSURE AND DELAY STRIPS
THE PURPOSE OF CLOSURE OR DELAY STRIPS IS TO ALLOW CONCRETE SHORTENING DUE TO CREEP AND SHRINKAGE. LEAVE CLOSURE OR DELAY STRIPS OPEN 28 DAYS MINIMUM AFTER POST-TENSIONING THE SLAB.

ATTACHMENT TO STRUCTURE
ALL ATTACHMENTS TO STRUCTURE SHALL BE CAST-IN-PLACE EMBEDS OR INSERTS WHENEVER POSSIBLE. PERMISSION FROM THE DESIGNER OF RECORD IS REQUIRED BEFORE INSTALLATION OF POST-INSTALLED ANCHORS IN ANY POST-TENSIONED AREAS. POST-INSTALLED ANCHORS SUCH AS DRILLED AND POWER-DRIVEN FASTENERS WILL BE PERMITTED ONLY WHEN IT CAN BE SHOWN THAT THE FASTENERS WILL NOT SPALL THE CONCRETE AND ARE LOCATED TO AVOID TENDONS AND ANCHORS.

CONDUIT IN SLABS
ELECTRICAL CONDUITS MAY BE EMBEDDED IN POST-TENSIONING SLABS PROVIDED THAT THE REQUIREMENTS OF DETAIL 1/F1592-SGD544 ARE SATISFIED. THE CONSTRUCTION SCHEDULE SHALL ALLOW A MINIMUM OF FOUR HOURS FROM THE TIME THAT THE SPECIAL INSPECTOR HAS APPROVED A POST-TENSIONED ELEMENT AS READY TO PLACE AND THE TIME THAT THE CONCRETE PLACEMENT COMMENCES.

REINFORCING ALLOWANCE
THE CONTRACTOR SHALL PROVIDE 18,000 LINEAR FEET OF #4 REINFORCING STEEL PER GARAGE FOR THE ENGINEER TO USE AT HIS OR HER DISCRETION DURING CONSTRUCTION.

MASONRY

CONCRETE MASONRY
ALL CONCRETE MASONRY UNITS SHALL COMPLY WITH ASTM C 90 WITH AVERAGE NET COMPRESSIVE STRENGTH OF 2,000 PSI. ASSEMBLIES SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF f'_m = 2,000 PSI AT 28 DAYS AFTER GROUTING. CONCRETE MASONRY WALLS SHALL BE REINFORCED AS SHOWN IN THESE DRAWINGS. MASONRY SHALL BE FULLY GROUTED, UNLESS NOTED OTHERWISE.

COMPLY WITH ADVERSE WEATHER CONSTRUCTION REQUIREMENTS CONTAINED IN ACI 530.1/ASCE 6/TMS 602 EXCEPT WHERE EXCEEDED BY REQUIREMENTS OF THE CONTRACT DOCUMENTS.

MORTAR
ALL MORTAR SHALL BE ASTM C 270 TYPE S AND SHALL CONFORM TO IBC SECTION 2103.

MASONRY GROUT
GROUT MATERIALS AND PROPORTIONS SHALL CONFORM TO TMS 602. MORTAR SAND SHALL BE USED. GROUT SHALL BE PLACED IN LIFTS NOT EXCEEDING 5'-4". GREATER LIFT HEIGHTS MAY BE ACCEPTABLE IF THE CONTRACTOR CAN DEMONSTRATE COMPLIANCE WITH THE GROUTING REQUIREMENTS OF TMS 602 SECTION 3.5D OR THE GROUT DEMONSTRATION PANEL REQUIREMENTS OF TMS 602 SECTION 1.6E. IF A GROUT DEMONSTRATION PANEL IS PROPOSED, THE CONTRACTOR SHALL SUBMIT A TEST PANEL CONFIGURATION AND GROUTING PROCEDURE FOR REVIEW. THE TEST PANEL CONFIGURATION, GROUTING PROCEDURE, AND ACCEPTANCE CRITERIA SHALL BE APPROVED BY THE ENGINEER PRIOR TO CONSTRUCTION.

REINFORCING STEEL
REINFORCING SHALL CONFORM TO IBC SECTION 2103.4 AND TMS 602. DEFORMED BARS SHALL BE GRADE 60 AND SHALL BE SECURELY PLACED.

STEEL DECK

STEEL DECK SHALL CONFORM TO ASTM A 653. WHERE THE DECK IS LEFT PERMANENTLY EXPOSED, GALVANIZED COATING SHALL CONFORM TO ASTM A 924, G90. IN OTHER AREAS, GALVANIZED COATING SHALL CONFORM TO ASTM A 924, G60. STEEL DECK SHALL CONFORM TO THE FOLLOWING:

f_y (PSI)	USE
40,000 MINIMUM	COMPOSITE FLOOR/ROOF SLAB DECK
33,000 MINIMUM	NONCOMPOSITE STEEL ROOF DECK

MINIMUM DECK GAUGES ARE SHOWN ON PLANS AND ARE BASED ON 3-SPAN, UNSHORED CONDITIONS. HEAVIER DECK GAUGES MAY BE REQUIRED FOR CONDITIONS OTHER THAN THESE, DEPENDING ON MANUFACTURER'S AND CONTRACTOR'S LAYOUT. DECK SUPPLIER SHALL VERIFY DECK GAUGES AND CAPACITIES BASED ON ACTUAL DECK LAYOUT AND SPAN CONDITIONS INCLUDING A 4 PSF SUPERIMPOSED DEAD LOAD ALLOWANCE FOR THE STEEL ROOF DECK. DEVIATIONS IN DECK GAUGES FROM THOSE SHOWN SHALL BE SUBMITTED TO THE DESIGNER OF RECORD, ALONG WITH A VALID ICC/IAPMO REPORT FOR APPROVAL PRIOR TO SHOP DETAILING.

DECK WELDING SHALL BE IN ACCORDANCE WITH AWS D1.3, "STRUCTURAL WELDING CODE - SHEET STEEL." WELDERS SHALL BE QUALIFIED BY WABO SHEET STEEL WELDER CERTIFICATION PROGRAM. ARC SPOT WELD SIZES NOTED ARE BASED ON THE NOMINAL (VISIBLE) DIAMETER.

CONTRACTOR SHALL PROVIDE CLOSURE PLATES, FLASHING, AND ALL MISCELLANEOUS COLD-FORMED FRAMING NECESSARY TO COMPLETE THE WORK. THE MINIMUM BEARING SHALL BE 2 INCHES.

COMPOSITE FLOOR/ROOF STEEL DECK
STEEL FLOOR DECK SHALL BE A COMPOSITE TYPE DECK WITH RIBS AT 12 INCHES ON CENTER OF THE SIZE AND GAUGE SHOWN ON THE PLANS AND DETAILS, OR AN APPROVED EQUAL. ELECTRICAL CONDUIT SHALL NOT BE EMBEDDED IN COMPOSITE FLOORS.

FLOOR DECK FASTENING SHALL BE AS FOLLOWS, UNLESS NOTED OTHERWISE, AND EXCEPT AS INDICATED IN TYPICAL COMPOSITE BEAM DETAILS.

MIN 5/8-INCH DIAMETER ARC-SPOT WELDS AT 12 INCHES ON CENTER AT TRANSVERSE AND PERIMETER SUPPORTS

MIN 5/8-INCH DIAMETER ARC-SPOT WELDS AT 18 INCHES ON CENTER AT LONGITUDINAL SUPPORTS

BUTTON PUNCH OR 1 1/2-INCH TOP OR SIDE SEAM WELD AT 18 INCHES ON CENTER AT SIDE LAP CONNECTIONS

NONCOMPOSITE STEEL ROOF DECK
STEEL ROOF DECK SHALL BE OF THE SIZE AND GAUGE SHOWN ON THE PLANS OR AN APPROVED EQUAL. STEEL ROOF DECK FASTENING SHALL BE AS SHOWN ON THE PLANS. THE MINIMUM END LAP SHALL BE 2 INCHES CENTERED OVER SUPPORTS.

SUSPENDED CEILINGS, LIGHT FIXTURES, PIPES, DUCTS, MECHANICAL OR ELECTRICAL EQUIPMENT, OR OTHER UTILITIES SHALL NOT BE SUPPORTED BY THE NONCOMPOSITE STEEL ROOF DECK WITHOUT APPROVAL OF THE ENGINEER.

HOLES OR COMBINATIONS OF HOLES IN NONCOMPOSITE STEEL ROOF DECK, WHICH CUT TWO WEBS WHICH ARE CLOSER THAN 24 INCHES ON CENTER IN ANY DECK SPAN, MAY REQUIRE DECK REINFORCEMENT AND REQUIRE DIRECTION FROM THE ENGINEER.

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HENSEL PHELPS Plan. Build. Manage. kpff — REVIEWED BY: GREG SHIMIZU — DATE: 10/26/2022

LINE IS 1" AT FULL SCALE

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FILENAME: S317-F1592-S_v2020
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PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
STRUCTURAL
STRUCTURAL NOTES

DRAWING No.: F1592-SZN003
FACILITY ID: F1592
SHEET No.: 165
REV.: 0

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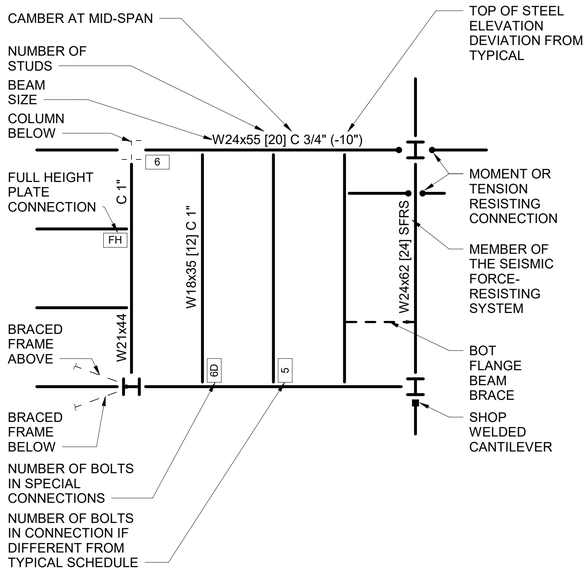
STRUCTURAL SYMBOLS AND ABBREVIATIONS

STEEL SYMBOLS

STEEL COLUMN ABOVE OR PASSING THRU THIS LEVEL

STEEL COLUMN BELOW THIS LEVEL

STEEL IN CROSS SECTION



PT SYMBOLS

STRESSING END OF TENDON

DEAD END OF TENDON

(X) TENDONS — TENDON QUANTITY IN BEAM, GIRDER, OR BANDED GROUP

(X) TENDONS @ 0" OC — TENDON QUANTITY AND SPACING OF UNIFORMLY DISTRIBUTED TENDONS

CONCRETE SYMBOLS

CONCRETE COLUMN ABOVE OR PASSING THRU THIS LEVEL

CONCRETE COLUMN BELOW

T4B3 — REINFORCING TYPE

STEPPED FOOTING — LOW SIDE

CONCRETE WALL ABOVE OR PASSING THRU LEVEL

PARTIAL HEIGHT CONCRETE WALL

MASONRY WALLS

CONCRETE IN CROSS SECTION

GENERAL SYMBOLS

10 — GRID BUBBLE

SURFACE - SLOPE UP

SURFACE - STEPPED

SURFACE - SLOPE DOWN

UNDISTURBED SOIL, COMPACTED SOIL, BACKFILL, OR ANY PREPARED SUBGRADE. SEE SPECIFICATIONS AND DP-2 FOR TYPE OF MATERIAL AND PREPARATION METHOD.

100'-0" — SPOT ELEVATION: TOP OF CONCRETE / TOP OF STEEL

100'-0" — TOP OF CONCRETE ELEVATION

100'-0" — TOP OF STEEL ELEVATION

T/SLAB — REFERENCE ELEVATION. REFER TO PLAN UNLESS NOTED OTHERWISE.

LEVEL 1 — ELEVATION OF LEVEL

WP — WORKPOINT

DIRECTION OF DOWNWARD SLOPE

DIRECTION OF SPAN

ABBREVIATIONS

ABBREVIATION...

Key Name	DESCRIPTION
AB	ANCHOR BOLT
ADD'L	ADDITIONAL
ADH	ADHESIVE
ADJ	ADJUSTABLE
AESS	ARCHITECTURALLY EXPOSED STRUCTURAL STEEL
AFF	ABOVE FINISH FLOOR
AGG	AGGREGATE
ANCH	ANCHOR
ARCH	ARCHITECTURAL
ARD	ADHESIVE REINFORCING DOWEL
B/	BOTTOM OF
BM	BEAM
BOT	BOTTOM
BRG	BEARING
BTWN	BETWEEN
BUR	BUILT-UP ROOF
C	CAMBER
CAP	CAPACITY
CC	CENTER TO CENTER
CDF	CONTROLLED DENSITY FILL
CIP	CAST-IN-PLACE
CJ	CONSTRUCTION OR CONTROL JOINT
CJP	COMPLETE JOINT PENETRATION
CL	CENTERLINE
CLG	CEILING
CLR	CLEAR
CMU	CONCRETE MASONRY UNIT
COL	COLUMN
CONC	CONCRETE
CONN	CONNECTION
CONST	CONSTRUCTION
CONT	CONTINUOUS
CONTR	CONTRACTOR
CONTY	CONTINUITY
COORD	COORDINATE
CTR	CENTER
CY	CUBIC YARD
DB	DIVIDER BEAM
DBA	DEFORMED BAR ANCHOR
DBL	DOUBLE
DCW	DEMAND CRITICAL WELD
DET	DETAIL
DIA	DIAMETER
DIAG	DIAGONAL
DKG	DECKING
DN	DOWN
DO	DITTO
DWF	DEFORMED WIRE FABRIC
DWG	DRAWING
DWL	DOWEL
EA	EACH
EF	EACH FACE
EL	ELEVATION
ELECT	ELECTRICAL
ELEV	ELEVATOR
EQ	EQUAL
EQUIP	EQUIPMENT
ES	EACH SIDE
EW	EACH WAY
EXP	EXPANSION
EXT	EXTERIOR
F	FAHRENHEIT
FD	FLOOR DRAIN

ABBREVIATION...

Key Name	DESCRIPTION
FDN	FOUNDATION
FF	FINISH FLOOR
FIN	FINISH
FLG	FLANGE
FLR	FLOOR
FOB	FACE OF BUILDING
FS	FAR SIDE
FT	FEET
FTG	FOOTING
GA	GAUGE
GALV	GALVANIZED
GB	GRADE BEAM
GD	GARAGE DRAIN
GEN	GENERAL
GR	GRADE
HK	HOOK
HORIZ	HORIZONTAL
HP	HIGH POINT
HSS	HOLLOW STRUCTURAL SECTION
IBC	INTERNATIONAL BUILDING CODE
ID	INSIDE DIAMETER
IE	INVERT ELEVATION
IF	INSIDE FACE
IN	INCH
INFO	INFORMATION
INT	INTERIOR
JT	JOINT
K	KIP (1,000 LBS.)
KSF	KIPS PER SQUARE FOOT
LF	LINEAL FOOT
LFH	LONG FACE HORIZONTAL
LLH	LONG LEG HORIZONTAL
LLV	LONG LEG VERTICAL
LNGT	LONGITUDINAL
LP	LOW POINT
MAX	MAXIMUM
MECH	MECHANICAL
MFR	MANUFACTURER
MIN	MINIMUM
MISC	MISCELLANEOUS
MOM	MOMENT
NIC	NOT IN CONTRACT
NO	NUMBER
NOM	NOMINAL
NS	NEAR SIDE
NS	NONSHRINK
NTS	NOT TO SCALE
OC	ON CENTER
OD	OUTSIDE DIAMETER
OF	OUTSIDE FACE
OPNG	OPENING
OPP	OPPOSITE
P	POST
PAF	POWER ACTUATED FASTENER
PC	PIECE
PEN	PENETRATION
PJP	PARTIAL JOINT PENETRATION
PL	PROPERTY LINE
PL	PLATE
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PT	POST-TENSIONED
R	RADIUS
RD	ROOF DRAIN

ABBREVIATION...

Key Name	DESCRIPTION
REINF	REINFORCING
REM	REMAIN(DER)
REQ'D	REQUIRED
RND	ROUND
RO	ROUGH OPENING
RTN	RETURN
SC	SLIP CRITICAL
SCHED	SCHEDULE
SDQ	SPECIAL DUCTILE QUALITY
SECT	SECTION
SFRS	SEISMIC FORCE-RESISTING SYSTEM
SHT	SHEET
SIM	SIMILAR
SOG	SLAB-ON-GRADE
SPEC	SPECIFICATION
SQ	SQUARE
SST	STAINLESS STEEL
STD	STANDARD
STIFF	STIFFENER
STIRR	STIRRUP
STL	STEEL
STRUCT	STRUCTURAL
SUPP	SUPPORT
SYM	SYMMETRICAL
T&B	TOP AND BOTTOM
T&G	TONGUE AND GROOVE
T/	TOP OF
TB	TABLE
THK	THICK(NESS)
THRU	THROUGH
TRANS	TRANSVERSE
TYP	TYPICAL
UNO	UNLESS NOTED OTHERWISE
UT	ULTRASONIC TESTING
VERT	VERTICAL
VIF	VERIFY IN FIELD
W	W-SHAPE
W/	WITH
W/O	WITHOUT
WHS	WELDED HEADED STUD
WL	WATER LINE
WP	WORK POINT

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APPROVED BY: S. ROBERTS

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LINE IS 1" AT FULL SCALE

SOUNDTRANSIT

SCALE: AS NOTED
FILENAME: S317-F1592-S_v2020
CONTRACT No.: RTA/CN 0612-18

SUBMITTED BY: SARA ROBERTS
DATE: 10/26/2022
REVIEWED BY: GREG SHIMIZU
DATE: 10/26/2022
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
STRUCTURAL
STRUCTURAL SYMBOLS AND ABBREVIATIONS

DRAWING No.: F1592-SZN011
FACILITY ID: F1592
SHEET No.: 166
REV.: 0

6/21/2022 4:46:40 PM
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STANDARD STATEMENT OF STRUCTURAL SPECIAL INSPECTIONS AND TESTING

TABLE 1 - REQUIRED GEOTECHNICAL SPECIAL INSPECTIONS

SYSTEM OR MATERIAL	INSPECTION				REMARKS
	IBC CODE REFERENCE	CODE OR STANDARD REFERENCE	FREQUENCY (NOTE 6)		
			CONTINUOUS	PERIODIC	
SOILS					
VERIFY MATERIALS BELOW SHALLOW FOUNDATIONS ARE ADEQUATE TO ACHIEVE THE DESIGN BEARING CAPACITY.	TB 1705.6 1705.6	GEOTECHNICAL REPORT	-	X	BY THE GEOTECHNICAL ENGINEER
VERIFY EXCAVATIONS ARE EXTENDED TO PROPER DEPTH AND HAVE REACHED PROPER MATERIAL.			-	X	
PERFORM CLASSIFICATION AND TESTING OF COMPACTED FILL MATERIALS.			-	X	-
VERIFY USE OF PROPER MATERIALS, DENSITIES AND LIFT THICKNESSES DURING PLACEMENT AND COMPACTION OF COMPACTED FILL.			X	-	
PRIOR TO PLACEMENT OF COMPACTED FILL, INSPECT SUBGRADE AND VERIFY THAT SITE HAS BEEN PREPARED PROPERLY.			-	X	BY THE GEOTECHNICAL ENGINEER
STONE COLUMNS					
INSTALLATION	1703.4 1705.1.1	GEOTECHNICAL AND ICC/IAPMO EVALUATION REPORTS	X	-	BY THE GEOTECHNICAL ENGINEER. SPECIAL INSPECTIONS APPLY TO HOLE SIZE AND DEPTH, VERIFICATION OF AGGREGATE MATERIAL, NUMBER AND LIFTS OF AGGREGATE, INSTALLATION RAMMER ENERGY, AND TOP OF COLUMN ELEVATION.

TABLE 2 - REQUIRED STRUCTURAL SPECIAL INSPECTIONS

SYSTEM OR MATERIAL	INSPECTION				REMARKS
	IBC CODE REFERENCE	CODE OR STANDARD REFERENCE	FREQUENCY (NOTE 6)		
			CONTINUOUS	PERIODIC	
FABRICATION					
INSPECTION IN FABRICATION SHOP	1704.2.5	-	-	-	WHERE FABRICATION OF STRUCTURAL, LOAD-BEARING OR LATERAL LOAD-RESISTING MEMBERS OR ASSEMBLIES IS BEING PERFORMED ON THE PREMISES OF A FABRICATOR'S SHOP, SPECIAL INSPECTION OF THE FABRICATED ITEMS SHALL BE AS REQUIRED BY TABLE 2 AND AS REQUIRED ELSEWHERE IN THE STATEMENT OF SPECIAL INSPECTIONS. REFERENCE SECTION 1704.2.5.1 FOR APPROVED FABRICATOR EXCEPTION.
CONCRETE					
INSPECT REINFORCEMENT, INCLUDING EMBEDMENTS AND PRESTRESSING TENDONS, AND VERIFY PLACEMENT.	TB 1705.3(1) 1705.3	ACI 318: 20, 25.2-25.3, 26.6.1-26.6.3, 26.8, 26.13.3; AISC 360: N5.7	-	X	TOLERANCE AND REINFORCING PLACEMENT PER ACI 318: 26.6
INSPECTION OF REINFORCING STEEL WELDING	TB 1705.3(2) 1705.3.1	ACI 318: 26.6.4 AWS D1.4: 7	-	-	EXCEPT AS NOTED OTHERWISE
MATERIAL VERIFICATION OF WELD FILLER METALS	1705.3.1		-	X	MANUFACTURER'S CERTIFIED TEST REPORTS
VERIFYING USE OF PROPER WELDING PROCEDURE SPECIFICATIONS			-	X	COPY OF WELDING PROCEDURE SPECIFICATIONS
VERIFYING WELDER QUALIFICATIONS			-	X	COPY OF QUALIFICATION CARDS
VERIFY WELDABILITY OF REINFORCING STEEL OTHER THAN ASTM A 706.	TB 1705.3 (2.a)	AWS D1.4 ACI 318: 26.6.4	-	X	CERTIFIED MILL TEST REPORTS
INSPECT SINGLE PASS FILLET WELDS, MAXIMUM 5/16"	TB 1705.3 (2.b)		-	X	-
INSPECT ALL OTHER WELDS	TB 1705.3 (2.c)		X	-	ALL WELDS VISUALLY INSPECTED PER AWS D1.4: 7.5
INSPECT ANCHORS CAST IN CONCRETE	WAC 51-50-1705	ACI 318 17.8.2; AISC 360: N5.7	-	X	ALL ANCHORS SHALL BE VISUALLY INSPECTED

TABLE 2 - REQUIRED STRUCTURAL SPECIAL INSPECTIONS - CONTINUED

SYSTEM OR MATERIAL	INSPECTION				REMARKS
	IBC CODE REFERENCE	CODE OR STANDARD REFERENCE	FREQUENCY (NOTE 6)		
			CONTINUOUS	PERIODIC	
CONCRETE - CONTINUED					
INSPECT ANCHORS POST-INSTALLED IN HARDENED CONCRETE MEMBERS:					
ADHESIVE ANCHORS AND ADHESIVE REINFORCING DOWELS INSTALLED IN HORIZONTALLY OR UPWARDLY INCLINED ORIENTATIONS TO RESIST SUSTAINED TENSION LOADS.	TB 1705.3 (4.a)	ACI 355.4 ICC/IAPMO EVALUATION REPORT ACI 318: 17.8.2.4, 26.13.3	X	-	REFER TO ANCHOR CALLOUTS FOR SUSTAINED TENSION (ST) DESIGNATION.
MECHANICAL ANCHORS, ADHESIVE ANCHORS, AND ADHESIVE REINFORCING DOWELS NOT DEFINED ABOVE.	TB 1705.3 (4.b)	ACI 355.4 ICC/IAPMO EVALUATION REPORT ACI 318: 17.8.2, 26.13.3	-	X (NOTE 7)	ALL ANCHORS SHALL BE VISUALLY INSPECTED. ANCHOR TESTING NOT REQUIRED.
VERIFY USE OF REQUIRED DESIGN MIX.	TB 1705.3(5) 1705.3 1904 1908.2 1908.3	ACI 318: 19, 26.4.3-26.4.4, 26.13.3	-	X	-
PRIOR TO CONCRETE PLACEMENT, FABRICATE SPECIMENS FOR STRENGTH TESTS, PERFORM SLUMP AND AIR CONTENT TESTS, AND DETERMINE THE TEMPERATURE OF THE CONCRETE.	TB 1705.3(6) 1908.10	ASTM C 172 ASTM C 31 ACI 318: 26.4, 26.12	X	-	-
VERIFY CURING METHOD AND DURATION OF CURING FOR EACH MEMBER.	-	ACI 318: 26.13.3.3(b)	-	X	-
VERIFY MAINTENANCE OF SPECIFIED CURING TEMPERATURE AND TECHNIQUES.	TB 1705.3(8) 1705.3 1908.9	ACI 318: 26.5.3-26.5.5, 26.13.3	-	X	-
VERIFY IN-SITU CONCRETE STRENGTH, PRIOR TO STRESSING OF TENDONS IN POST-TENSIONED CONCRETE AND PRIOR TO REMOVAL OF SHORES AND FORMS FROM BEAMS AND STRUCTURAL SLABS.	TB 1705.3(11) 1705.3	ACI 318: 26.10.2, 26.11.2, 26.13.3	-	X	-
INSPECT FORMWORK FOR SHAPE, LOCATION AND DIMENSIONS OF THE CONCRETE MEMBER BEING FORMED.	TB 1705.3(12) 1705.3	ACI 318: 26.11.1.2(b)	-	X	-
INSPECT REINFORCING STEEL MECHANICAL COUPLERS, HEADED BAR ENDS AND FORM SAVERS	-	ICC/IAPMO EVALUATION REPORTS	-	X	VISUALLY INSPECT FOR CORRECT ASSEMBLY AND LOCATION
MASONRY - LEVEL B					
VERIFICATION OF SLUMP FLOW AND VISUAL STABILITY INDEX (VSI) AS DELIVERED TO THE PROJECT SITE FOR SELF-CONSOLIDATING GROUT.	1705.4	TMS 602: TB 4 TMS 602: 1.5 B.1.b.3	X	-	-
VERIFICATION OF f'm PRIOR TO CONSTRUCTION, EXCEPT WHERE SPECIFICALLY EXEMPTED BY THE CODE.		TMS 602: TB 4 TMS 602: 1.4 B	-	X	-
VERIFY COMPLIANCE WITH THE APPROVED SUBMITTALS		TMS 602: TB 4(1) TMS 602: 1.5	-	X	-
AS MASONRY CONSTRUCTION BEGINS, VERIFY THAT THE FOLLOWING ARE IN COMPLIANCE:					
PROPORTIONS OF SITE-PREPARED MORTAR	1705.4	TMS 602: TB 4(2.a) TMS 602: 2.1, 2.6 A	-	X	-
CONSTRUCTION OF MORTAR JOINTS		TMS 602: TB 4(2.b) TMS 602: 3.3 B	-	X	-
LOCATION OF REINFORCEMENT AND CONNECTORS		TMS 602:TB 4(2.d) TMS 602: 3.4	-	X	-
PRIOR TO GROUTING, VERIFY THAT THE FOLLOWING ARE IN COMPLIANCE:					
GROUT SPACE	1705.4	TMS 602: TB 4(3.a) TMS 602: 3.2 D, 3.2 F	-	X	-
GRADE, TYPE, AND SIZE OF REINFORCEMENT AND ANCHOR BOLTS		TMS 602: TB 4(3.b) TMS 602: 2.4, 3.4 TMS 402: 6.1	-	X	-
PLACEMENT OF REINFORCEMENT AND CONNECTORS		TMS 602: TB 4(3.c) TMS 602: 3.2 E, 3.4 TMS 402: 6.1-6.2	-	X	-
PROPORTIONS OF SITE-PREPARED GROUT		TMS 602: TB 4(3.d) TMS 602: 2.6 B	-	X	-
CONSTRUCTION OF MORTAR JOINTS		TMS 602: TB 4(3.e) TMS 602: 3.3 B	-	X	-

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	NAS	JDA	SLR	FINAL AS-BUILT

DESIGNED BY: N. SCHWAB
DRAWN BY: M. AGUILING
CHECKED BY: J. ARMENA
APPROVED BY: S. ROBERTS

kpff — SUBMITTED BY: SARA ROBERTS — DATE: 10/26/2022

HENSEL PHELPS Plan. Build. Manage. kpff — REVIEWED BY: GREG SHIMIZU — DATE: 10/26/2022

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT — SCALE: AS NOTED — FILENAME: S317-F1592-S_v2020 — CONTRACT No.: RTA/CN 0612-18 — SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
STRUCTURAL
STATEMENT OF SPECIAL INSPECTIONS

DRAWING No.: F1592-SZN021
FACILITY ID: F1592
SHEET No.: 167 — REV.: 0

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TABLE 2 - REQUIRED STRUCTURAL SPECIAL INSPECTIONS - CONTINUED

SYSTEM OR MATERIAL	INSPECTION: IBC CODE REFERENCE	INSPECTION: CODE OR STANDARD REFERENCE	FREQUENCY (NOTE 6): CONTINUOUS	FREQUENCY (NOTE 6): PERIODIC	REMARKS
MASONRY - LEVEL B - CONTINUED					
VERIFY DURING CONSTRUCTION:					
SIZE AND LOCATION OF STRUCTURAL ELEMENTS	1705.4	TMS 602: TB 4(4.a) TMS 602: 3.3 F	-	X	-
TYPE, SIZE, AND LOCATION OF ANCHORS, INCLUDING OTHER DETAILS OF ANCHORAGE OF MASONRY TO STRUCTURAL MEMBERS, FRAMES, OR OTHER CONSTRUCTION		TMS 602: TB 4(4.b) TMS 402: 1.2.1(e), 6.1.4.3, 6.2.1	-	X	-
WELDING OF REINFORCEMENT		TMS 602: TB 4(4.c) TMS 402: 8.1.6.7.2, 9.3.3.4(c)	X	-	ALL WELDS VISUALLY INSPECTED PER AWS D1.4 7.5 REFER TO CONCRETE FOR WELDING REQUIREMENTS
PREPARATION, CONSTRUCTION, AND PROTECTION DURING COLD WEATHER (TEMPERATURE BELOW 40°F) OR HOT WEATHER (ABOVE 90°F)	1705.4	TMS 602: TB 4(4.d) TMS 602: 1.8 C, 1.8 D	-	X	-
PLACEMENT OF GROUT IS IN COMPLIANCE	1705.4	TMS 602: TB 4(4.f) TMS 602: 3.5	X	-	-
OBSERVE PREPARATION OF GROUT SPECIMENS, MORTAR SPECIMENS, AND/OR PRISMS	1705.4	TMS 602: TB 4(5) TMS 602: 1.4 B	-	X	-

SYSTEM OR MATERIAL	INSPECTION: IBC CODE REFERENCE	INSPECTION: CODE OR STANDARD REFERENCE	FREQUENCY (NOTE 8): OBSERVE	FREQUENCY (NOTE 8): PERFORM	REMARKS
STEEL					
INSPECTION TASKS PRIOR TO WELDING:					
WELDING PROCEDURE SPECIFICATIONS (WPS) AVAILABLE	1705.2	AISC 360: TB N5.4-1 AISC 360: N5.4	-	X	-
MANUFACTURER CERTIFICATIONS FOR WELDING CONSUMABLES AVAILABLE			-	X	-
MATERIAL IDENTIFICATION (TYPE/GRADE)			X	-	-
WELDER IDENTIFICATION SYSTEM			X	-	-
FIT-UP OF GROOVE WELDS (INCLUDING JOINT GEOMETRY): JOINT PREPARATION, DIMENSIONS (ALIGNMENT, ROOT OPENING, ROOT FACE, BEVEL), CLEANLINESS (CONDITION OF STEEL SURFACES), TACKING (TACK WELD QUALITY AND LOCATION), BACKING TYPE AND FIT (IF APPLICABLE)			X	-	-
CONFIGURATION AND FINISH OF ACCESS HOLES			X	-	-
FIT-UP OF FILLET WELDS: DIMENSIONS (ALIGNMENT, GAPS AT ROOT), CLEANLINESS (CONDITION OF STEEL SURFACES), TACKING (TACK WELD QUALITY AND LOCATION), BACKING TYPE AND FIT (IF APPLICABLE)			X	-	-
CHECK WELDING EQUIPMENT			-	-	FABRICATOR OR ERECTOR SHALL OBSERVE
INSPECTION TASKS DURING WELDING:					
USE OF QUALIFIED WELDERS	1705.2	AISC 360: TB N5.4-2 AISC 360: N5.4	X	-	-
CONTROL AND HANDLING OF WELDING CONSUMABLES: PACKAGING, EXPOSURE CONTROL			X	-	-
NO WELDING OVER CRACKED TACK WELDS			X	-	-
ENVIRONMENTAL CONDITIONS: WIND SPEED WITHIN LIMITS, PRECIPITATION AND TEMPERATURE			X	-	-
WPS FOLLOWED: SETTINGS ON WELDING EQUIPMENT, TRAVEL SPEED, SELECTED WELDING MATERIALS, SHIELDING GAS TYPE/FLOW RATE, PREHEAT APPLIED, INTERPASS TEMPERATURE MAINTAINED (MIN./MAX.), PROPER POSITION (F, V, H, OH)			X	-	-
WELDING TECHNIQUES: INTERPASS AND FINAL CLEANING, EACH PASS WITHIN PROFILE LIMITATIONS, EACH PASS MEETS QUALITY REQUIREMENTS			X	-	-

TABLE 2 - REQUIRED STRUCTURAL SPECIAL INSPECTIONS - CONTINUED

SYSTEM OR MATERIAL	INSPECTION: IBC CODE REFERENCE	INSPECTION: CODE OR STANDARD REFERENCE	FREQUENCY (NOTE 8): OBSERVE	FREQUENCY (NOTE 8): PERFORM	REMARKS
STEEL - CONTINUED					
INSPECTION TASKS AFTER WELDING:					
WELDS CLEANED	1705.2	AISC 360: TB N5.4-3 AISC 360: N5.4	X	-	-
SIZE, LENGTH AND LOCATION OF WELDS			-	X	-
WELDS MEET VISUAL ACCEPTANCE CRITERIA: CRACK PROHIBITION, WELD/BASE-METAL FUSION, CRATER CROSS SECTION, WELD PROFILES, WELD SIZE, UNDERCUT, POROSITY			-	X	-
ARC STRIKES			-	X	-
K-AREA			-	X	-
BACKING REMOVED AND WELD TABS REMOVED (IF REQUIRED)			-	X	-
REPAIR ACTIVITIES			-	X	-
DOCUMENT ACCEPTANCE OR REJECTION OF WELDED JOINT OR MEMBER			-	X	-
INSPECTION TASKS PRIOR TO BOLTING:					
MANUFACTURER'S CERTIFICATIONS AVAILABLE FOR FASTENER MATERIALS	1705.2	AISC 360: TB N5.6-1 AISC 360: N5.6	-	X	-
FASTENERS MARKED IN ACCORDANCE WITH ASTM REQUIREMENTS			X	-	-
PROPER FASTENERS SELECTED FOR THE JOINT DETAIL (GRADE, TYPE, BOLT LENGTH IF THREADS ARE TO BE EXCLUDED FROM SHEAR PLANE)			X	-	-
PROPER BOLTING PROCEDURE FOR JOINT DETAIL			X	-	-
CONNECTING ELEMENTS, INCLUDING THE APPROPRIATE FAYING SURFACE CONDITION AND HOLE PREPARATION, IF SPECIFIED, MEET APPLICABLE REQUIREMENTS			X	-	-
PRE-INSTALLATION VERIFICATION TESTING BY INSTALLATION PERSONNEL OBSERVED AND DOCUMENTED FOR FASTENER ASSEMBLIES AND METHODS USED			X	-	-
PROPER STORAGE PROVIDED FOR BOLTS, NUTS, WASHERS AND OTHER FASTENER COMPONENTS			X	-	-
INSPECTION TASKS DURING BOLTING:					
FASTENER ASSEMBLIES, OF SUITABLE CONDITION, PLACED IN ALL HOLES AND WASHERS (IF REQUIRED) ARE POSITIONED AS REQUIRED	1705.2	AISC 360: TB N5.6-2 AISC 360: N5.6	X	-	-
JOINT BROUGHT TO SNUG-TIGHT CONDITION PRIOR TO THE PRETENSIONING OPERATION			X	-	-
FASTENER COMPONENT NOT TURNED BY THE WRENCH PREVENTED FROM ROTATING			X	-	-
FASTENERS ARE PRETENSIONED IN ACCORDANCE WITH THE RCSC SPECIFICATION, PROGRESSING SYSTEMATICALLY FROM THE MOST RIGID POINT TOWARD THE FREE EDGES			X	-	-
INSPECTION TASKS AFTER BOLTING:					
DOCUMENT ACCEPTANCE OR REJECTION OF BOLTED CONNECTIONS	1705.2	AISC 360: TB N5.6-3	-	X	-
INSPECTION OF STEEL ELEMENTS OF COMPOSITE CONSTRUCTION PRIOR TO CONCRETE PLACEMENT:					
PLACEMENT AND INSTALLATION OF STEEL DECK	1705.2	AISC 360: TB N6.1 AISC 360: N6.1	-	X	-
PLACEMENT AND INSTALLATION OF STEEL HEADED STUD ANCHORS			-	X	-
DOCUMENT ACCEPTANCE OR REJECTION OF STEEL ELEMENTS			-	X	-
INSPECTION OF FABRICATED AND ERECTED STEEL FRAMES:					
VERIFICATION OF COMPLIANCE WITH CONSTRUCTION DOCUMENT DETAILS, INCLUDING MEMBER AND COMPONENT LOCATIONS, BRACING, STIFFENERS, AND PROPER APPLICATION OF JOINT DETAILS.	-	AISC 360: N5.7	-	X	-

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	NAS	JDA	SLR	FINAL AS-BUILT

DESIGNED BY: N. SCHWAB
DRAWN BY: M. AGUILING
CHECKED BY: J. ARMENA
APPROVED BY: S. ROBERTS

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HENSEL PHELPS
Plan. Build. Manage.
kpff

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT

SUBMITTED BY: SARA ROBERTS
DATE: 10/26/2022
REVIEWED BY: GREG SHIMIZU
DATE: 10/26/2022

SCALE: AS NOTED
FILENAME: S317-F1592-S_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
STRUCTURAL
STATEMENT OF SPECIAL INSPECTIONS

DRAWING No.: F1592-SZN022
FACILITY ID: F1592
SHEET No.: 168
REV.: 0

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STANDARD STATEMENT OF STRUCTURAL SPECIAL INSPECTIONS AND TESTING - CONTINUED

TABLE 2 - REQUIRED STRUCTURAL SPECIAL INSPECTIONS - CONTINUED

SYSTEM OR MATERIAL	INSPECTION				REMARKS
	IBC CODE REFERENCE	CODE OR STANDARD REFERENCE	FREQUENCY (NOTE 8)		
			OBSERVE	PERFORM	
STEEL DECK					
INSPECTION OR EXECUTION TASKS PRIOR TO DECK PLACEMENT:					
VERIFY COMPLIANCE OF MATERIALS (DECK AND ALL DECK ACCESSORIES) WITH CONSTRUCTION DOCUMENTS, INCLUDING PROFILES, MATERIAL PROPERTIES, AND BASE METAL THICKNESS	1705.2.2	SDI QA/QC: APP. 1	-	X	-
DOCUMENT ACCEPTANCE OR REJECTION OF DECK AND DECK ACCESSORIES			-	X	-
INSPECTION OR EXECUTION TASKS AFTER DECK PLACEMENT:					
VERIFY COMPLIANCE OF DECK AND ALL DECK ACCESSORIES INSTALLATION WITH CONSTRUCTION DOCUMENTS	1705.2.2	SDI QA/QC: APP. 1	-	X	-
VERIFY DECK MATERIALS ARE REPRESENTED BY THE MILL CERTIFICATIONS THAT COMPLY WITH THE CONSTRUCTION DOCUMENTS			-	X	-
DOCUMENT ACCEPTANCE OR REJECTION OF INSTALLATION OF DECK AND DECK ACCESSORIES			-	X	-
INSPECTION OR EXECUTION TASKS PRIOR TO WELDING:					
WELDING PROCEDURE SPECIFICATIONS AVAILABLE (WPS)	1705.2.2	SDI QA/QC: APP. 1	X	-	-
MANUFACTURER CERTIFICATIONS FOR WELDING CONSUMABLES AVAILABLE			X	-	-
MATERIAL IDENTIFICATION (TYPE/GRADE)			X	-	-
CHECK WELDING EQUIPMENT			X	-	-
INSPECTION OR EXECUTION TASKS DURING WELDING:					
USE OF QUALIFIED WELDERS	1705.2.2	SDI QA/QC: APP. 1	X	-	-
CONTROL AND HANDLING OF WELDING CONSUMABLES			X	-	-
ENVIRONMENTAL CONDITIONS (WIND SPEED, MOISTURE, TEMPERATURE)			X	-	-
WPS FOLLOWED			X	-	-
INSPECTION OR EXECUTION TASKS AFTER WELDING:					
VERIFY SIZE AND LOCATION OF WELDS, INCLUDING SUPPORT, SIDELAP, AND PERIMETER WELDS	1705.2.2	SDI QA/QC: APP. 1 AWS D1.3	-	X	-
WELDS MEET VISUAL ACCEPTANCE CRITERIA			-	X	-
VERIFY REPAIR ACTIVITIES			-	X	-
DOCUMENT ACCEPTANCE OR REJECTION OF WELDS			-	X	-
INSPECTION OR EXECUTION TASKS PRIOR TO MECHANICAL FASTENING:					
MANUFACTURER INSTALLATION INSTRUCTIONS AVAILABLE FOR MECHANICAL FASTENERS	1705.2.2	SDI QA/QC: APP. 1	X	-	-
PROPER TOOLS AVAILABLE FOR FASTENER INSTALLATION			X	-	-
PROPER STORAGE FOR MECHANICAL FASTENERS			X	-	-
INSPECTION OR EXECUTION TASKS DURING MECHANICAL FASTENING:					
FASTENERS ARE POSITIONED AS REQUIRED	1705.2.2	SDI QA/QC: APP. 1	X	-	-
FASTENERS ARE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS			X	-	-
INSPECTION OR EXECUTION TASKS AFTER MECHANICAL FASTENING:					
CHECK SPACING, TYPE, AND INSTALLATION OF SUPPORT FASTENERS, SIDELAP FASTENERS, AND PERIMETER FASTENERS	1705.2.2	SDI QA/QC: APP. 1	-	X	-
VERIFY REPAIR ACTIVITIES			-	X	-
DOCUMENT ACCEPTANCE OR REJECTION OF MECHANICAL FASTENERS			-	X	-

TABLE 2 - REQUIRED STRUCTURAL SPECIAL INSPECTIONS - CONTINUED

SYSTEM OR MATERIAL	INSPECTION				REMARKS
	IBC CODE REFERENCE	CODE OR STANDARD REFERENCE	FREQUENCY (NOTE 6)		
			CONTINUOUS	PERIODIC	
STAINLESS STEEL					
FABRICATION OF STAINLESS STEEL ELEMENTS	1704.2.5	-	-	X	REFER TO INSPECTION IN FABRICATION SHOP REQUIREMENTS
MATERIAL VERIFICATION OF STAINLESS STEEL	1705.2	-	-	X	CERTIFIED MILL TEST REPORTS
MATERIAL VERIFICATION OF BOLTS		-	-	X	MANUFACTURER'S CERTIFIED TEST REPORTS
MATERIAL VERIFICATION OF WELD FILLER METALS	1705.2	AWS D1.6: 6	-	X	MANUFACTURER'S CERTIFIED TEST REPORTS
VERIFYING USE OF PROPER WPS			-	X	COPY OF WELDING PROCEDURE SPECIFICATIONS
VERIFYING WELDER QUALIFICATIONS			-	X	COPY OF QUALIFICATION CARDS
COMPLETE AND PARTIAL PENETRATION GROOVE WELDS			X	-	ALL WELDS VISUALLY INSPECTED PER AWS D1.6: 6.28.1
MULTIPASS FILLET WELDS			X	-	
SINGLE PASS FILLET WELDS			-	X	

TABLE 2A - REQUIRED STRUCTURAL SPECIAL INSPECTIONS FOR SEISMIC RESISTANCE

SYSTEM OR MATERIAL	INSPECTION				REMARKS
	IBC CODE REFERENCE	CODE OR STANDARD REFERENCE	FREQUENCY (NOTE 6)		
			CONTINUOUS	PERIODIC	
GENERAL					
SEISMIC FORCE-RESISTING SYSTEMS (SFRS) IN STRUCTURES ASSIGNED TO SEISMIC DESIGN CATEGORY C, D, E OR F	1704.3.2 1705.12	-	X	-	REFERENCE GENERAL STRUCTURAL NOTES FOR OUTLINE OF SFRS SYSTEM. REFERENCE TABLE 2A FOR MATERIAL SPECIFIC INSPECTION REQUIREMENTS.
DESIGNATED SEISMIC SYSTEMS (SECONDARY) IN STRUCTURES ASSIGNED TO SEISMIC DESIGN CATEGORY C, D, E OR F		-	X	-	REFERENCE TABLE N1 AND N2 FOR INSPECTION REQUIREMENTS.
CONCRETE					
MATERIAL VERIFICATION OF REINFORCING STEEL AND POST-TENSIONING TENDONS USED IN SHEAR WALL BOUNDARY ELEMENTS	1704.5(7) 1705.12	-	-	X	CERTIFIED MILL TEST REPORTS

SYSTEM OR MATERIAL	INSPECTION				REMARKS
	IBC CODE REFERENCE	CODE OR STANDARD REFERENCE	FREQUENCY (NOTE 8)		
			OBSERVE	PERFORM	
STEEL					
VISUAL INSPECTION TASKS AFTER WELDING:					
PLACEMENT OF REINFORCING OR CONTOURING FILLET WELDS (IF REQUIRED)	1705.12.1	AISC 341: TB J6-3	-	X	-
OTHER INSPECTION TASKS:					
PROTECTED ZONE, NO HOLES AND UNAPPROVED ATTACHMENTS MADE BY FABRICATOR OR ERECTOR, AS APPLICABLE			-	X	-

TABLE 2C - REQUIRED STRUCTURAL INSPECTIONS FOR SPECIAL CASES

SYSTEM OR MATERIAL	INSPECTION				REMARKS
	IBC CODE REFERENCE	CODE OR STANDARD REFERENCE	FREQUENCY (NOTE 6)		
			CONTINUOUS	PERIODIC	
STEEL CABLE BARRIERS					
STRESSING TENDONS	-	-	-	X	VERIFY EMBEDDED ANCHORAGES INSPECT WELDMENTS PER WELDING SECTION
ANCHORAGES	-	ACI 318: 26.10.2	X	-	VERIFY EMBEDDED ANCHORAGES VERIFY TENDON FORCE AT ALL JACKING LOCATIONS VERIFY BACK-STRESSING FORCE

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	NAS	JDA	SLR	FINAL AS-BUILT

DESIGNED BY: N. SCHWAB
DRAWN BY: M. AGUILING
CHECKED BY: J. ARMENA
APPROVED BY: S. ROBERTS

kpff — SUBMITTED BY: SARA ROBERTS — DATE: 10/26/2022

HENSEL PHELPS Plan. Build. Manage. kpff — REVIEWED BY: GREG SHIMIZU — DATE: 10/26/2022

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SOUNDTRANSIT — SCALE: AS NOTED; FILENAME: S317-F1592-S_v2020; CONTRACT No.: RTA/CN 0612-18; SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
STRUCTURAL
STATEMENT OF SPECIAL INSPECTIONS

DRAWING No.: F1592-SZN023
FACILITY ID: F1592
SHEET No: 169
REV: 0

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TABLE 3 - REQUIRED STRUCTURAL TESTING

SYSTEM OR MATERIAL	TESTING				REMARKS
	IBC CODE REFERENCE	CODE OR STANDARD REFERENCE	FREQUENCY		
			CONTINUOUS	PERIODIC	
GEOTECHNICAL					
FILL IN-PLACE DENSITY OR PREPARED SUBGRADE DENSITY	1705.6	VARIES; MINIMUM PER IBC APPENDIX J107.5	-	X	-
MATERIAL VERIFICATION		VARIES; CLASSIFICATION AND TESTING OF CONTROLLED FILL MATERIALS	-	X	
CONCRETE					
COMPOSITE SAMPLES	1903 1705.3	ASTM C 172 ACI 318: 26.12	ONE SAMPLE FOR EA 100 CY NOR LESS THAN 5,000 SQ FT OF SLABS AND WALLS, ONE SET PER DAY MIN		OBTAIN WHEN FRESH CONCRETE IS PLACED FOR EACH MIX DESIGN USED
CONCRETE STRENGTH, UNO		ASTM C 39 ACI 318: 26.12	EACH SAMPLE: 1 CYL - 7 DAYS 3 CYL - TEST AGE 1 CYL - HOLD		(NOTE 9) REFER TO GENERAL NOTES FOR TEST AGE. FOR 6 BY 12-INCH CYLINDERS, 2 CYLINDERS AT TEST AGE IS PERMITTED. CYL = CYLINDER
POST-TENSIONED CONCRETE STRENGTH		ASTM C 31 ASTM C 39	EACH SAMPLE: 1 CYL - FIELD CURED, TEST PRIOR TO TENDON STRESSING 3 CYL - TEST AGE 1 CYL - HOLD		
CONCRETE SLUMP		ASTM C 143	ONE TEST PER COMPOSITE SAMPLE		-
CONCRETE AIR CONTENT		ASTM C 231	ONE TEST PER COMPOSITE SAMPLE		MIN ONE PER DAY
CONCRETE TEMPERATURE		ASTM C 1064	ONE TEST PER COMPOSITE SAMPLE		ONE TEST PER HOUR WHEN AIR TEMP IS BELOW 40 DEG F OR ABOVE 80 DEG F
MASONRY					
UNIT STRENGTH METHOD	2105 1705.4	ASTM C 62 ASTM C 216 ASTM C 652 ASTM C 476 ASTM C 55 ASTM C 90 TMS 602: 1.4 B.2	-		-
PRISM TEST METHOD	2105 1705.4	ASTM C 1314 TMS 602: 1.4 B.3	TESTING EVERY 5,000 SQ FT		-
STEEL					
RADIOGRAPHIC (RT) MAGNETIC PARTICLE (MT) AND ULTRASONIC (UT) TESTING OF WELDS	AISC 360 N5.5	RT- AWS D1.1: 6.16 MT- AWS D1.1: 6.14.4 UT- AWS D1.1: 6.13 & 6.14.3	PER DRAWINGS		ALL CJP WELDS IN MATERIALS 5/16" OR GREATER REQUIRE UT TESTING
PRE-CONSTRUCTION TESTING OF WELDED STUDS	1705.2.2	AWS D1.1: 7.7.1	EACH SIZE AND TYPE OF STUD EACH SHIFT		-
PRE-INSTALLATION TESTING OF WELDED STUDS WELDED THROUGH DECKING	1705.2.2	AWS D1.1: 7.6	EACH STUD SIZE AND DECK GAUGE COMBINATION		-
PRE-INSTALLATION VERIFICATION OF PRETENSIONED HIGH STRENGTH BOLTS	1705.2.1 AISC 360: TB N5.6-1	RCSC SPECIFICATION FOR STRUCTURAL JOINTS USING HIGH-STRENGTH BOLTS, SECTION 7	EACH COMBINATION OF DIAMETER, LENGTH, GRADE, AND LOT TO BE USED IN THE WORK		-

TABLE 4 - REQUIRED STRUCTURAL TESTING FOR SEISMIC RESISTANCE

SYSTEM OR MATERIAL	TESTING			REMARKS
	IBC CODE REFERENCE	CODE OR STANDARD REFERENCE	FREQUENCY	
STEEL				
MT OF K-AREA OF ROLLED WIDE FLANGE COLUMN WEBS ADJACENT TO DOUBLER/CONTINUITY PLATE WELDS	1705.13.1	AISC 341: J6.2a AWS D1.1: 6.14.4	EACH PLATE LOCATION	-
MAGNETIC PARTICLE (MT) AND ULTRASONIC (UT) TESTING OF COMPLETE JOINT PENETRATION GROOVE (CJP) WELDS IN MATERIALS 5/16" THICK AND GREATER		AISC 341: J6.2b MT - AWS D1.1: 6.14.4 UT - AWS D1.1: 6.13 & 6.14.3	UT 100% OF WELDS MT 25% OF WELDS	REFER TO DRAWINGS FOR LOCATIONS
UT OF BASE METAL THICKER THAN 1-1/2" SUBJECT TO THROUGH-THICKNESS WELD SHRINKAGE STRAINS		AISC 341: J6.2c AWS D1.1: 6.13 & 6.14.3	BEHIND AND ADJACENT TO EACH WELD	-
MT OF THE ENDS OF FLANGE WELDS FROM WHICH WELD TABS HAVE BEEN REMOVED		AISC 341: J6.2f AWS D1.1: 6.14.4	EACH LOCATION	-

TABLE N1 - REQUIRED ARCHITECTURAL SPECIAL INSPECTIONS

SYSTEM OR MATERIAL	TESTING				REMARKS
	IBC CODE REFERENCE	CODE OR STANDARD REFERENCE	FREQUENCY		
			CONTINUOUS	PERIODIC	
SPRAYED FIRE-RESISTANT MATERIALS AND INTUMESCENT FIRE-RESISTANT COATINGS					
SURFACE CONDITIONS	1705.14 1705.15	ICC/IAPMO EVALUATION REPORT	-	X	SPECIAL INSPECTIONS APPLY TO CLEANLINESS OF STEEL, PRODUCT NAME AND TYPE, MATERIAL EXPIRATION DATE, AMBIENT CONDITIONS, APPLICATION PROCEDURES, AND MATERIAL THICKNESS, DENSITY AND BOND STRENGTH
APPLICATION			-	X	

TABLE N2 - REQUIRED NONSTRUCTURAL SPECIAL INSPECTIONS FOR SEISMIC RESISTANCE

SYSTEM OR MATERIAL	TESTING				REMARKS
	IBC CODE REFERENCE	CODE OR STANDARD REFERENCE	FREQUENCY		
			CONTINUOUS	PERIODIC	
ARCHITECTURAL					
INSTALLATION AND ANCHORAGE OF CLADDING AND INTERIOR/EXTERIOR VENEER WEIGHING MORE THAN 5 PSF IN BUILDINGS MORE THAN 30 FEET IN HEIGHT	1704.3.2 1705.12.5	-	-	X	
ERECTION AND FASTENING OF INTERIOR NONBEARING WALLS WEIGHING MORE THAN 15 PSF IN BUILDINGS MORE THAN 30 FEET IN HEIGHT		-	-	X	
ERECTION AND FASTENING OF EXTERIOR NONBEARING WALLS IN BUILDINGS MORE THAN 30 FEET IN HEIGHT		-	-	X	
INSTALLATION OF OTHER SEISMIC SUPPORTS FOR DESIGNATED ARCHITECTURAL SYSTEMS AND THEIR COMPONENTS	1704.3.2 1705.12.5	-	-	X	REFERENCE ARCHITECTURAL FOR INFORMATION

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No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	NAS	JDA	SLR	FINAL AS-BUILT

DESIGNED BY: N. SCHWAB
DRAWN BY: M. AGUILING
CHECKED BY: J. ARMENA
APPROVED BY: S. ROBERTS

kpff — SUBMITTED BY: SARA ROBERTS — DATE: 10/26/2022

HENSEL PHELPS Plan. Build. Manage. kpff — REVIEWED BY: GREG SHIMIZU — DATE: 10/26/2022

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SCALE: AS NOTED
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CONTRACT No.: RTA/CN 0612-18
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PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
STRUCTURAL
STATEMENT OF SPECIAL INSPECTIONS

DRAWING No.: F1592-SZN024
FACILITY ID: F1592
SHEET No.: 170
REV.: 0

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STANDARD STATEMENT OF STRUCTURAL SPECIAL INSPECTIONS AND TESTING - CONTINUED

TABLE N2 - REQUIRED NONSTRUCTURAL SPECIAL INSPECTIONS FOR SEISMIC RESISTANCE - CONTINUED

SYSTEM OR MATERIAL	TESTING				REMARKS
	IBC CODE REFERENCE	CODE OR STANDARD REFERENCE	FREQUENCY		
			CONTINUOUS	PERIODIC	
ELECTRICAL					
INSTALLATION OF VIBRATION ISOLATION SYSTEMS IN STRUCTURES ASSIGNED TO SEISMIC DESIGN CATEGORY C, D, E OR F WHERE THE CONSTRUCTION DOCUMENTS REQUIRE A NOMINAL CLEARANCE OF 0.25 INCHES OR LESS BETWEEN THE EQUIPMENT SUPPORT FRAME AND RESTRAINT	1705.12.6 1705.12.8	-	-	X	
INSTALLATION OF OTHER SEISMIC SUPPORTS FOR DESIGNATED ELECTRICAL SYSTEMS AND THEIR COMPONENTS	1705.12.6	-	-	X	
BUILDING MECHANICAL AND PLUMBING					
INSTALLATION OF FIRE PROTECTION SPRINKLER SYSTEM	1705.12	-	-	X	
INSTALLATION OF EQUIPMENT USING COMBUSTIBLE ENERGY SOURCES	1705.12.4	-	-	X	
INSTALLATION OF OTHER SEISMIC SUPPORTS FOR DESIGNATED MECHANICAL SYSTEMS AND THEIR COMPONENTS		-	-	X	
INSTALLATION OF VIBRATION ISOLATION SYSTEMS IN STRUCTURES ASSIGNED TO SEISMIC DESIGN CATEGORY C, D, E OR F WHERE THE CONSTRUCTION DOCUMENTS REQUIRE A NOMINAL CLEARANCE OF 0.25 INCHES OR LESS BETWEEN THE EQUIPMENT SUPPORT FRAME AND RESTRAINT	1705.12.6	-	-	X	

TABLE N3 - NONSTRUCTURAL TESTING

SYSTEM OR MATERIAL	TESTING			REMARKS
	IBC CODE REFERENCE	CODE OR STANDARD REFERENCE	FREQUENCY	
SPRAYED FIRE-RESISTANT MATERIALS				
THICKNESS AT FLOOR, ROOF, AND WALL ASSEMBLIES	1705.14.4	ASTM E 605	NOT LESS THAN (4) MEASUREMENTS FOR EACH 1000 SQ FT OF SPRAYED AREA EACH FLOOR LEVEL	REFERENCE ARCHITECTURAL FOR ADDITIONAL INFORMATION
THICKNESS AT STRUCTURAL FRAMING MEMBERS			TEST A MINIMUM OF 25% OF THE STRUCTURAL MEMBERS AT EACH LEVEL	
DENSITY	1705.14.5		-	
BOND STRENGTH AT FLOOR, ROOF, AND WALL ASSEMBLIES	1705.14.6.1	ASTM E 736	EACH 2500 SQ FT OF SPRAYED AREA EACH FLOOR LEVEL	REFERENCE ARCHITECTURAL FOR ADDITIONAL INFORMATION
BOND STRENGTH AT STRUCTURAL FRAMING MEMBERS	1705.14.6.2		EACH TYPE OF STRUCTURAL MEMBER FOR EACH 2500 SQ FT OF FLOOR AREA EACH FLOOR LEVEL	

TABLE N4 - REQUIRED NONSTRUCTURAL TESTING FOR SEISMIC RESISTANCE

SYSTEM OR MATERIAL	TESTING				REMARKS
	IBC CODE REFERENCE	CODE OR STANDARD REFERENCE	FREQUENCY		
MECHANICAL AND ELECTRICAL					
COMPONENT TESTING INCLUDING MOUNTING SYSTEMS OR ANCHORAGE IF CERTIFICATES OF COMPLIANCE ARE NOT AVAILABLE	1705.13 1705.13.2 1705.13.3	ASCE 7: 13.2	-	X	SEISMIC RESTRAINT OF MECHANICAL AND ELECTRICAL COMPONENTS IS A CONTRACTOR RESPONSIBILITY AND IS LISTED HERE FOR INFORMATION ONLY. REFERENCE MECHANICAL AND ELECTRICAL FOR FURTHER INFORMATION.

STATEMENT OF SPECIAL INSPECTION AND TESTING NOTES:

1. SPECIAL INSPECTIONS SHALL CONFORM TO CHAPTER 17 OF THE INTERNATIONAL BUILDING CODE (IBC) AND THE REFERENCE CODES AND STANDARDS LISTED IN NOTE 2. REFER TO TABLES 1 AND 2 FOR SPECIAL INSPECTION AND TABLES 3 AND 4 FOR TESTING REQUIREMENTS.
2. REFERENCE CODES AND STANDARDS ARE AS FOLLOWS:

   IBC 2015
   ACI 318-14
   AWS 2015
   ASTM 2015
   AISC 360-10
   341-10
   RCSC 2009
   TMS 402-13, 602-13
   SDI QA/QC-2011
3. SPECIAL INSPECTIONS AND ASSOCIATED TESTING SHALL BE PERFORMED BY AN APPROVED QUALIFIED TESTING AND INSPECTING AGENCY MEETING THE REQUIREMENTS OF ASTM E 329 (MATERIALS), ASTM D 3740 (SOILS), ASTM C 1077 (CONCRETE), AND ASTM E 543 (NON-DESTRUCTIVE). THE TESTING AND INSPECTING AGENCY SHALL FURNISH TO THE ARCHITECT A COPY OF THEIR SCOPE OF ACCREDITATION. SPECIAL INSPECTORS SHALL BE CERTIFIED BY THE BUILDING OFFICIAL. WELDING INSPECTORS SHALL BE QUALIFIED PER SECTION 6.1.4.1.1 OF AWS D1.1 AND WABO.
4. THE SPECIAL INSPECTOR SHALL OBSERVE THE INDICATED WORK FOR COMPLIANCE WITH THE APPROVED CONSTRUCTION DOCUMENTS. ALL DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE CONTRACTOR FOR CORRECTION AND NOTED IN THE INSPECTION REPORTS. ISSUES REQUIRING IMMEDIATE CORRECTIVE ACTIONS OR ENGINEERING INPUT ARE TO BE BROUGHT TO THE ENGINEER'S ATTENTION IMMEDIATELY UPON DISCOVERY.
5. THE SPECIAL INSPECTOR SHALL FURNISH INSPECTION REPORTS FOR EACH INSPECTION TO THE BUILDING OFFICIAL, ARCHITECT, CONTRACTOR, AND OWNER. THE TESTING AND INSPECTING AGENCY SHALL SUBMIT A FINAL REPORT STATING THAT THE WORK REQUIRING SPECIAL INSPECTION WAS INSPECTED AND IS IN CONFORMANCE WITH THE APPROVED CONSTRUCTION DOCUMENTS AND THAT ALL DISCREPANCIES NOTED IN THE INSPECTION REPORTS HAVE BEEN CORRECTED.
6. CONTINUOUS SPECIAL INSPECTION: SPECIAL INSPECTION BY THE SPECIAL INSPECTOR WHO IS PRESENT WHEN AND WHERE THE WORK TO BE INSPECTED IS BEING PERFORMED. PERIODIC SPECIAL INSPECTION: SPECIAL INSPECTION BY THE SPECIAL INSPECTOR WHO IS INTERMITTENTLY PRESENT WHERE THE WORK TO BE INSPECTED HAS BEEN OR IS BEING PERFORMED.
7. WHERE PERIODIC INSPECTION IS ALLOWED IN ACCORDANCE WITH THE ANCHOR ICC/IAPMO EVALUATION REPORT, INSPECTIONS SHALL BE AS FOLLOWS:
   - FOR ALL ANCHORS, PRIOR TO CONCEALMENT, VERIFY: ANCHOR TYPE, ANCHOR DIMENSIONS, ANCHOR SPACING AND EDGE DISTANCE.
   - FOR EACH ANCHOR TYPE AND SIZE, INSPECTOR SHALL BE ONSITE TO CONTINUOUSLY INSPECT A MINIMUM OF THE FIRST 10 ANCHORS INSTALLED BY EACH INSTALLER FOR CONFORMANCE WITH ICC/IAPMO EVALUATION REPORT. PROVIDED ALL ANCHORS ARE INSTALLED CORRECTLY PER MANUFACTURER'S INSTRUCTIONS, PROVIDE PERIODIC INSPECTION ON A MINIMUM OF 10% OF THE NEXT 1000 ANCHORS BY EACH INSTALLER AND A MINIMUM OF 5% OF THE REMAINING ANCHORS BY EACH INSTALLER. INSPECTIONS SHALL OCCUR A MINIMUM OF ONCE PER WEEK AT A RANDOM TIME WHILE ANCHOR INSTALLATION IS ONGOING. ANY NON-COMPLIANCE ISSUES SHALL RESET THE INSPECTION REQUIREMENTS TO TEN (10) CONTINUOUS INSPECTIONS. NON-COMPLIANT ANCHORS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER OF RECORD FOR REVIEW AND SHALL BE BROUGHT INTO COMPLIANCE BY EITHER TESTING OR RE-INSTALLATION.
   - INSPECTION REPORTS SHALL IDENTIFY NAMES OF INSTALLERS.
   - SPECIAL INSPECTOR SHALL PROVIDE DOCUMENTATION AT THE END OF ANCHOR INSTALLATIONS STATING THAT THE MINIMUM NUMBER OF ANCHORS WERE INSPECTED.
8. OBSERVE: OBSERVE THESE ITEMS ON A RANDOM BASIS. OPERATIONS NEED NOT BE DELAYED PENDING THESE INSPECTIONS.
   PERFORM: PERFORM THESE TASKS FOR EACH ELEMENT.
9. INDICATED CONCRETE TESTING MEETS MINIMUM REQUIREMENTS FOR STRUCTURAL TESTING TO BE PROVIDED BY THE APPROVED QUALIFIED TESTING AND INSPECTING AGENCY. ADDITIONAL TESTING FOR CONSTRUCTION CONSIDERATIONS ARE NOT INDICATED AND SHALL BE DETERMINED BY THE CONTRACTOR AND PROVIDED AT CONTRACTOR'S EXPENSE.

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DRAWN BY: M. AGUILING
CHECKED BY: J. ARMENA
APPROVED BY: S. ROBERTS

kpff — SUBMITTED BY: SARA ROBERTS — DATE: 10/26/2022

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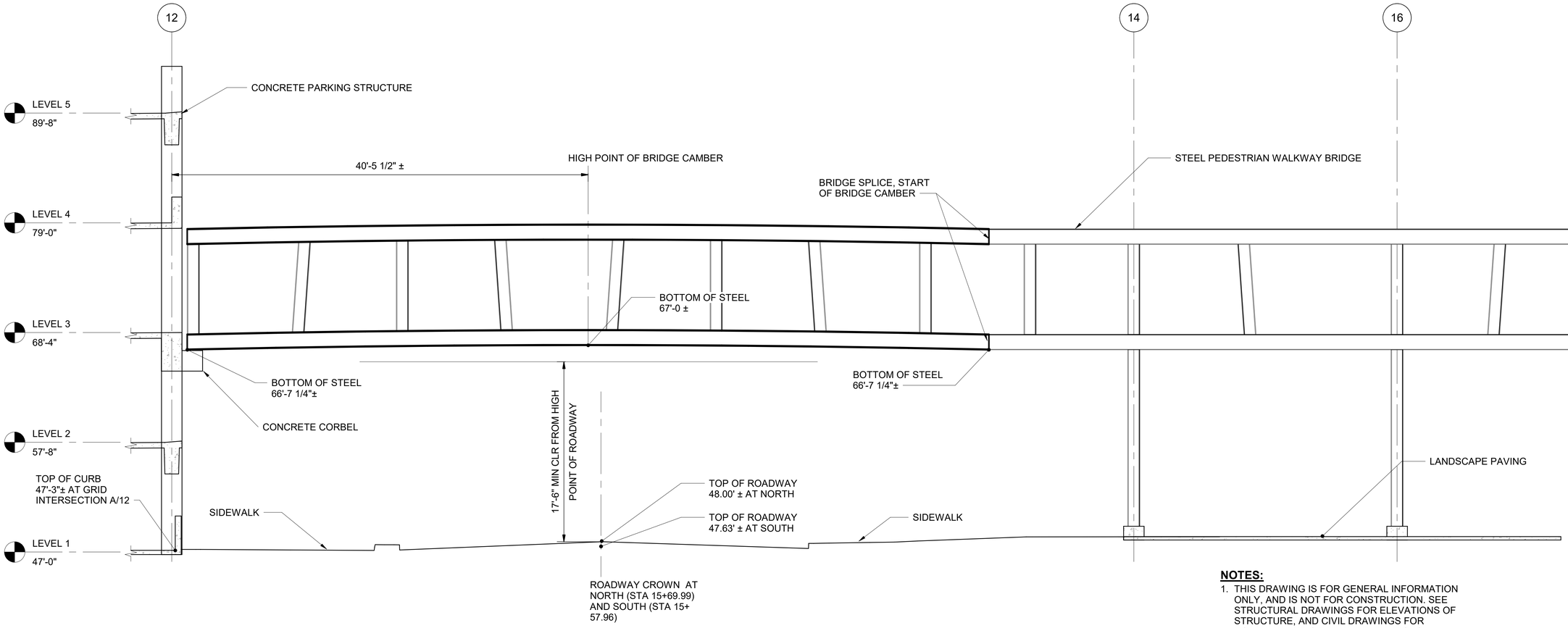
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SCALE: AS NOTED
FILENAME: S317-F1592-S_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
STRUCTURAL
STATEMENT OF SPECIAL INSPECTIONS

DRAWING No.: F1592-SZN025
FACILITY ID: F1592
SHEET No.: 171
REV.: 0



NOTES:

1. THIS DRAWING IS FOR GENERAL INFORMATION ONLY, AND IS NOT FOR CONSTRUCTION. SEE STRUCTURAL DRAWINGS FOR ELEVATIONS OF STRUCTURE, AND CIVIL DRAWINGS FOR ROADWAY AND SIDEWALK ELEVATIONS.
2. ELEVATIONS OF LEVELS ARE NOMINAL. GARAGE AND PEDESTRIAN BRIDGE FLOORS SLOPE FOR DRAINAGE.

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No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	NAS	JDA	SLR	FINAL AS-BUILT

DESIGNED BY: N. SCHWAB
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APPROVED BY: S. ROBERTS

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SUBMITTED BY: SARA ROBERTS

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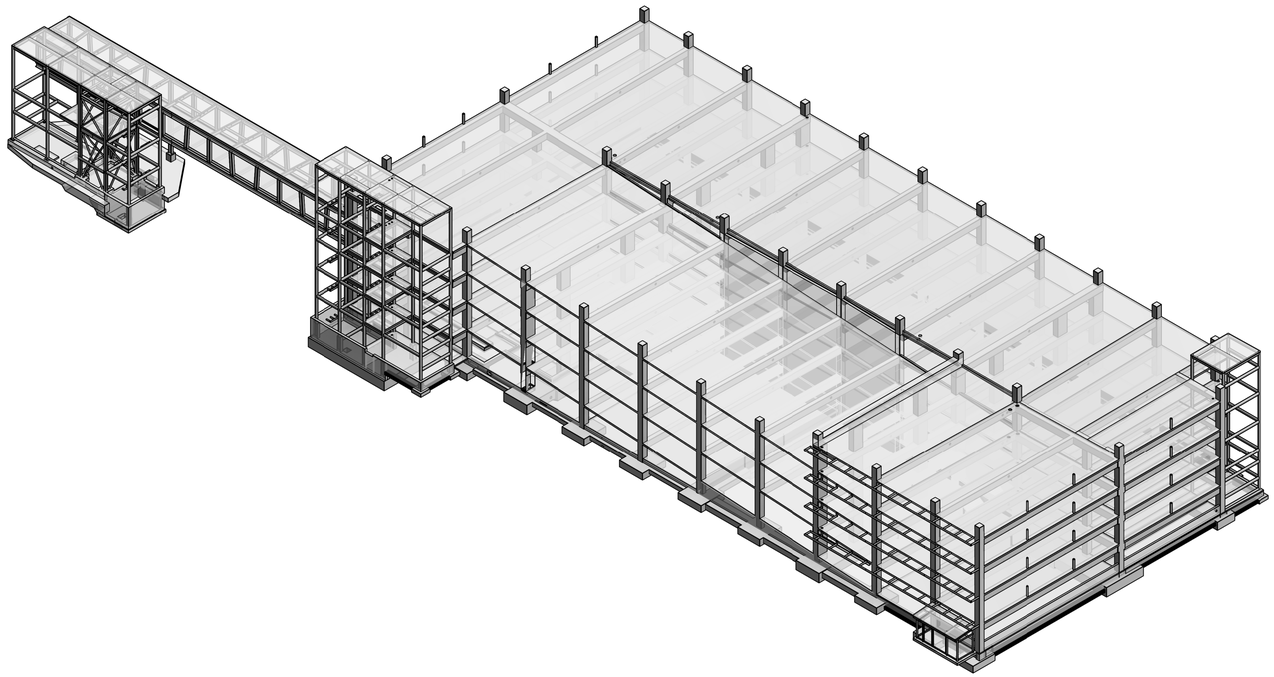
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DATE: 10/26/2022

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SUBMITTAL DATE: 10/26/2022

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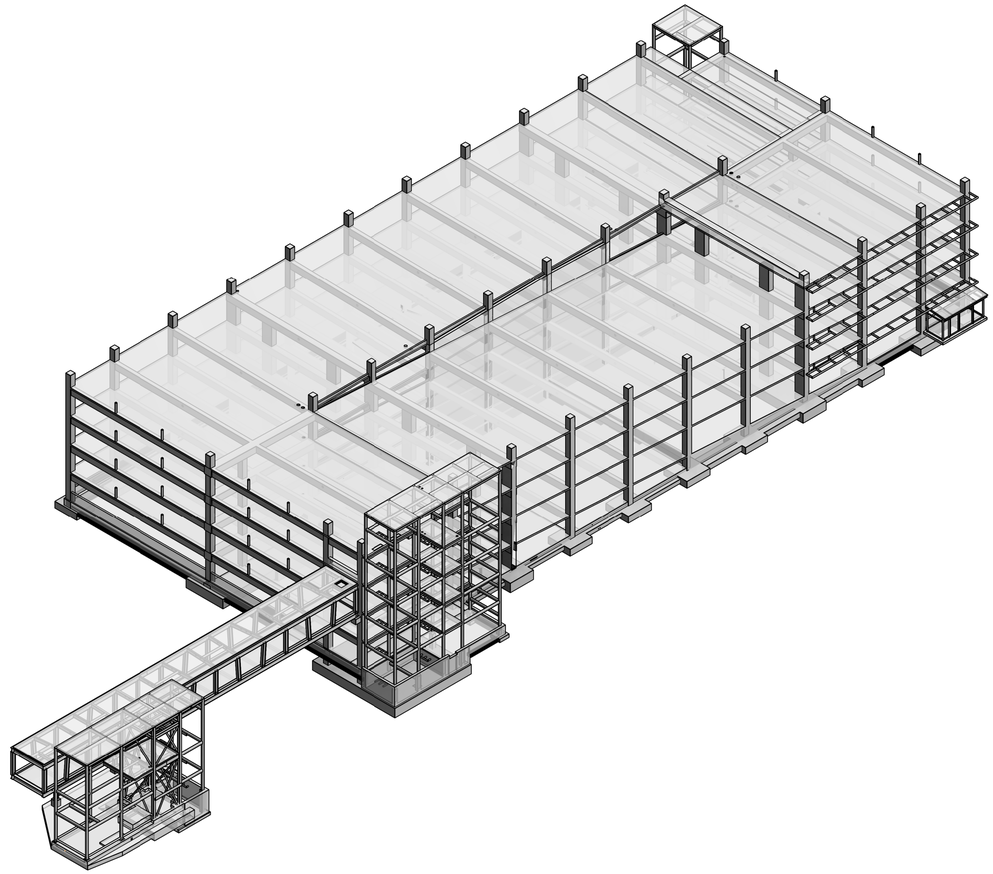
PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
STRUCTURAL
PEDESTRIAN WALKWAY BRIDGE CLEARANCE AT 5TH STREET NW

DRAWING No.: F1592-SZN031
FACILITY ID: F1592
SHEET No.: 172
REV.: 0



PERSPECTIVE VIEW - NORTHWEST CORNER 1

SCALE: NTS



PERSPECTIVE VIEW - NORTHEAST CORNER 2

SCALE: NTS

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No.	DATE	DSN	CHK	APP	REVISION
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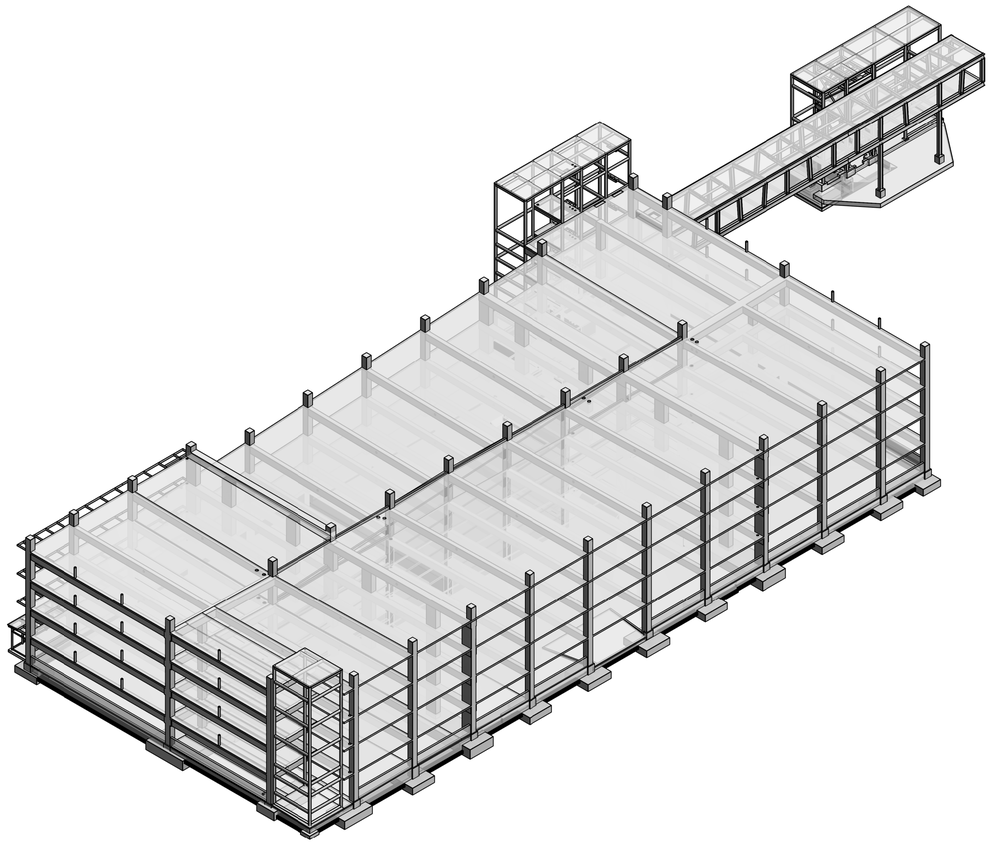
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FILENAME: S317-F1592-S_v2020
CONTRACT No.: RTA/CN 0612-18
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PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
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STRUCTURAL
OVERALL PERSPECTIVE VIEWS

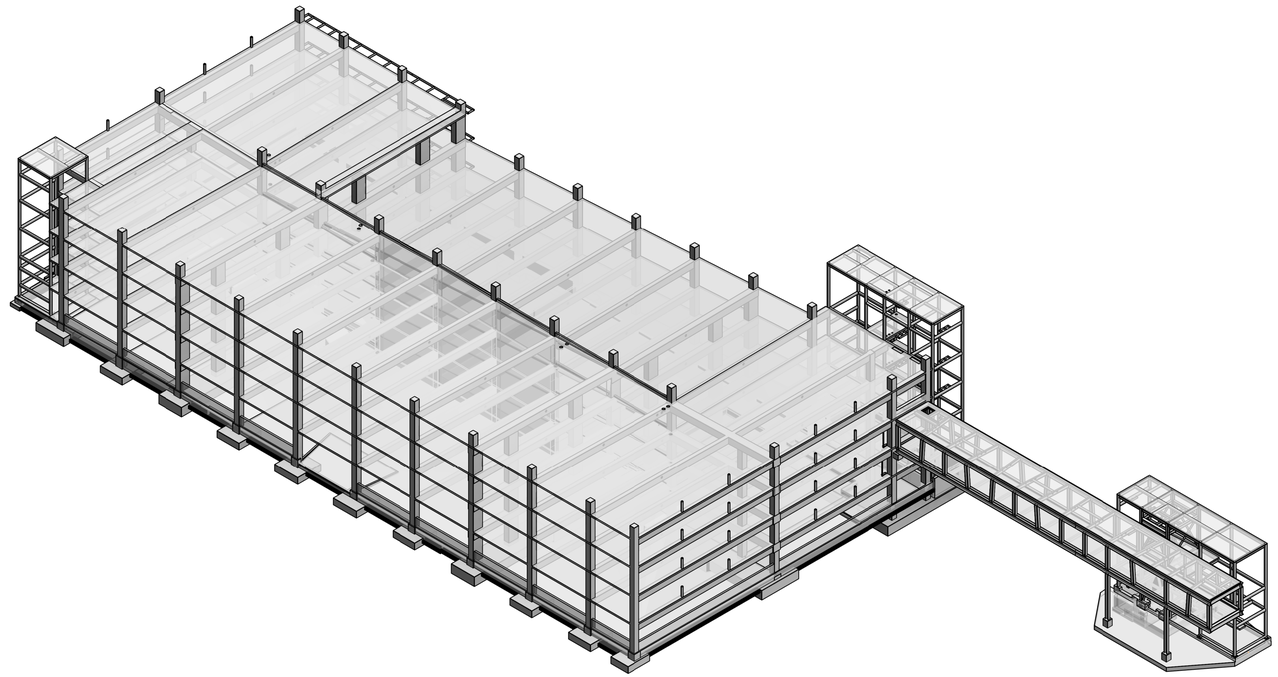
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FACILITY ID: F1592
SHEET No: 173
REV: 0

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PERSPECTIVE VIEW - SOUTHWEST CORNER 1

SCALE: NTS -



PERSPECTIVE VIEW - SOUTHEAST CORNER 2

SCALE: NTS -

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No.	DATE	DSN	CHK	APP	REVISION
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APPROVED BY: S. ROBERTS

kpff — SUBMITTED BY: SARA ROBERTS — DATE: 10/26/2022

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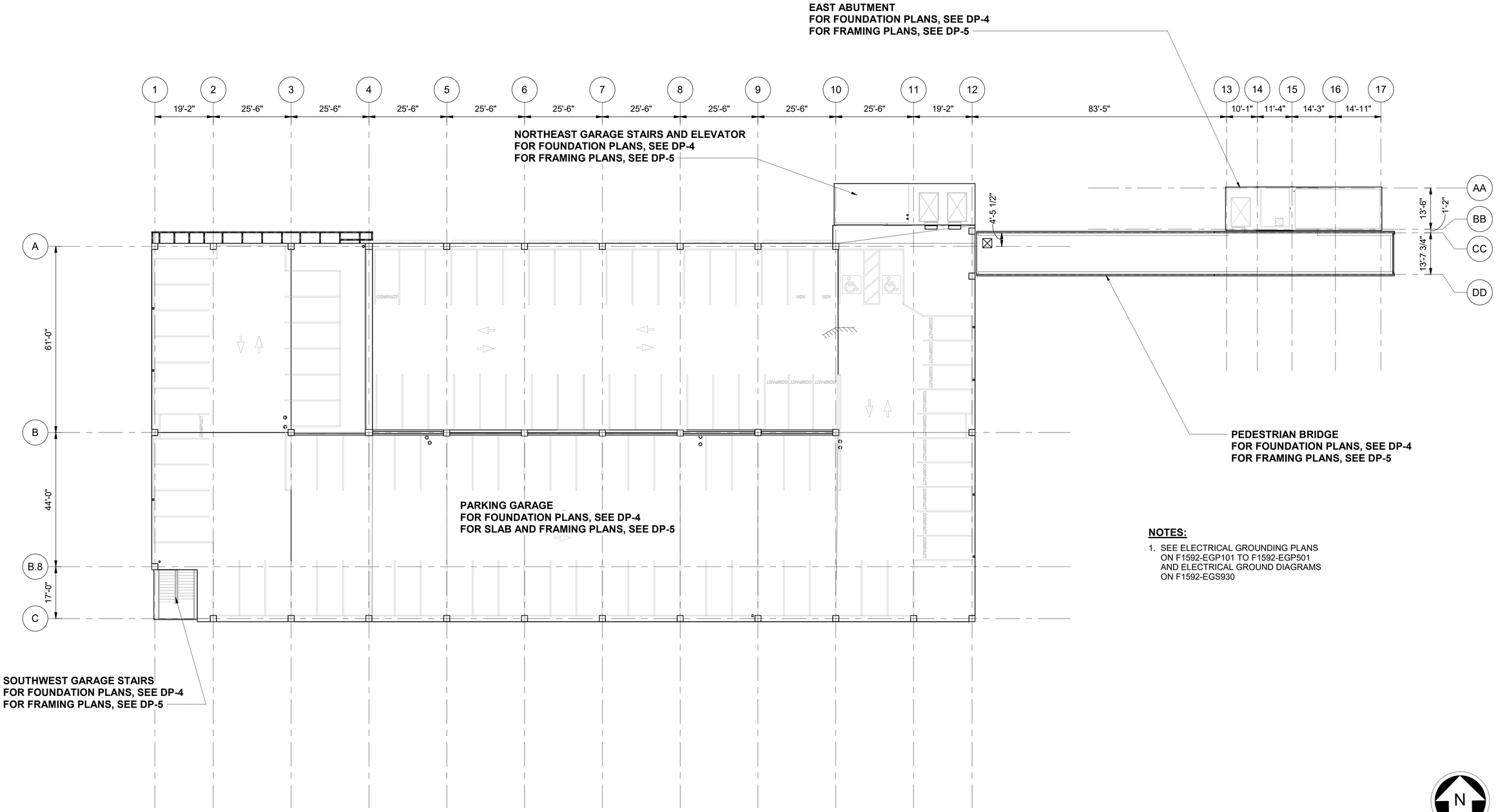
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FILENAME: S317-F1592-S_v2020
CONTRACT No.: RTA/CN 0612-18

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
STRUCTURAL
OVERALL PERSPECTIVE VIEWS

DRAWING No.: F1592-SGS042
FACILITY ID: F1592
SHEET No.: 174
REV.: 0

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NOTES:

1. SEE ELECTRICAL GROUNDING PLANS ON F1592-EGP101 TO F1592-EGP501 AND ELECTRICAL GROUND DIAGRAMS ON F1592-EGS930

N

2' 0' 8' 16' 32'

SCALE IN FEET

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SUBMITTED BY: SARA ROBERTS
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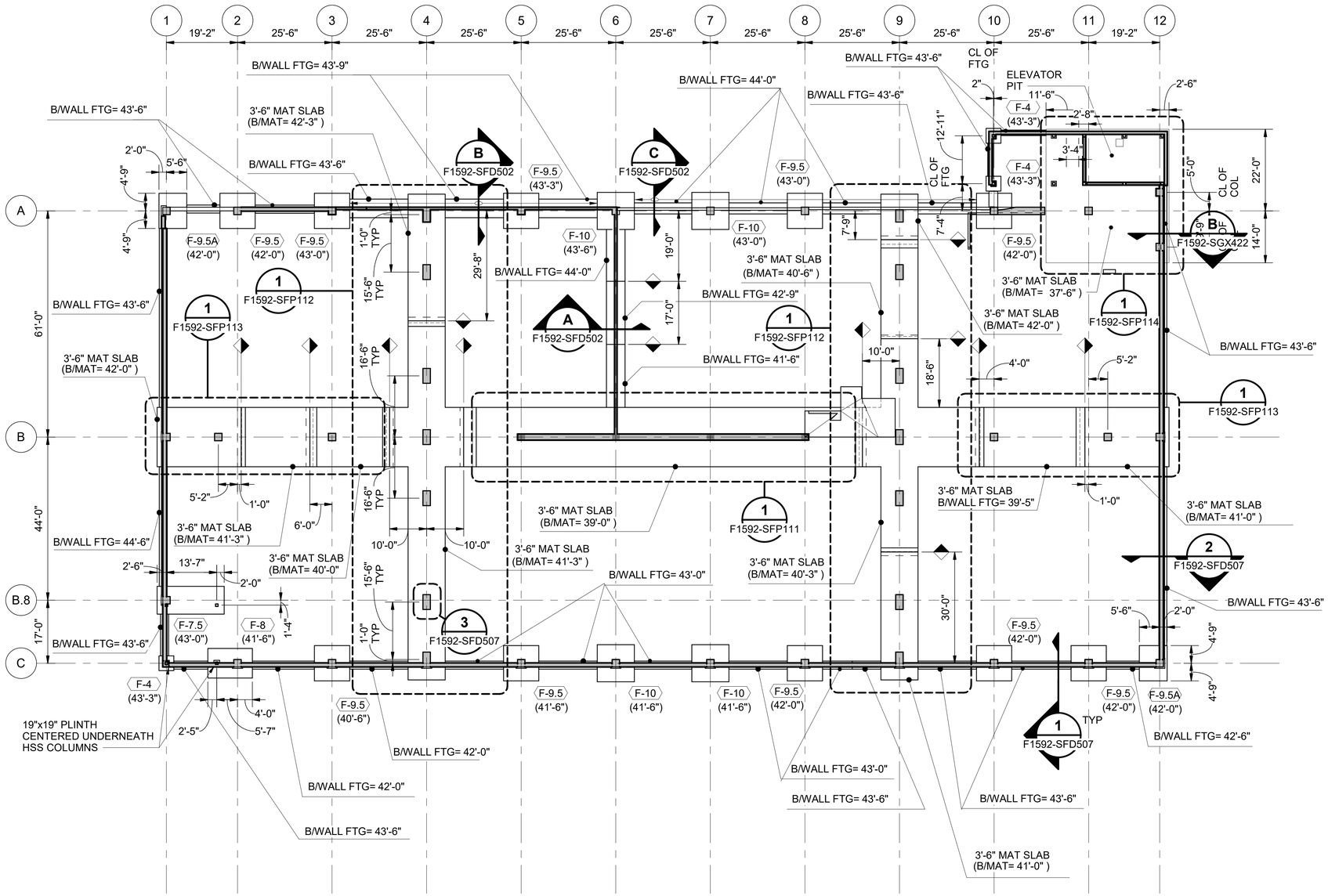
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PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS

STRUCTURAL

OVERALL PLAN

DRAWING No.: F1592-SGP010
FACILITY ID: F1592
SHEET No.: 175
REV.: 0



REFERENCE DRAWINGS:

F1592-SZN001 TO F1592-SZN002	STRUCTURAL NOTES
F1592-SZN011	STRUCTURAL SYMBOLS
F1592-SFD501 TO F1592-SFD507	FOUNDATION DETAILS

NOTES:

1. (F-10.0 / (99'-0")) INDICATES FOOTING TYPE AND BOTTOM OF FOOTING ELEVATION.
2. SEE 1/F1592-SFD501 FOR ISOLATED FOOTING SCHEDULE.
3. SEE DWG F1592-BNP010 (DP-2) FOR GROUND IMPROVEMENT LAYOUT PLAN.
4. SEE BUILDING SECTIONS/ELEVATIONS ON SHEETS F1592-SGX431, F1592-SGX432, AND F1592-SWE321 (DP-5) FOR SPECIAL CONCRETE MOMENT FRAME COLUMNS AND SPECIAL CONCRETE SHEAR WALL DOWELS INTO FOUNDATION.
5. SEE LEVEL 1 SHEET F1592-SGP101 (DP-5) FOR CONCRETE COLUMN CALLOUTS. COLUMN SCHEDULE IS ON SHEET F1592-SGD521 (DP-5).
6. SEE TYPICAL STEP DETAIL 5/F1592-SFD501 FOR WALL AND MAT FOOTINGS
7. SEE F1592-EGP101 TO F1592-EGP501 (DP-5) FOR ELECTRICAL GROUNDING PLANS.
8. SEE F1592-CDD022 (DP-2) FOR CIVIL DETAILS AT DRAINS BY THE PERIMETER FOOTINGS.
9. SEE SHEET F1592-SFD507 FOR TYPICAL WALL FOOTING DETAILS AT EDGE OF SLAB ON GRADE. SEE SHEET F1592-SGP101 (DP-5) FOR LOCATION OF DIFFERENT EDGE OF SLAB ON GRADE CONDITIONS.

N

2' 0' 8' 16' 32'

SCALE IN FEET

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	NAS	JDA	SLR	FINAL AS-BUILT

DESIGNED BY: N. SCHWAB
DRAWN BY: M. AGUILING
CHECKED BY: J. ARMENA
APPROVED BY: S. ROBERTS

kpff — SUBMITTED BY: SARA ROBERTS — DATE: 10/26/2022

HENSEL PHELPS Plan. Build. Manage. kpff — REVIEWED BY: GREG SHIMIZU — DATE: 10/26/2022

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT — SUBMITTAL DATE: 10/26/2022

SCALE: 1/16" = 1'-0"
FILENAME: S317-F1592-S_v2020
CONTRACT No.: RTA/CN 0612-18

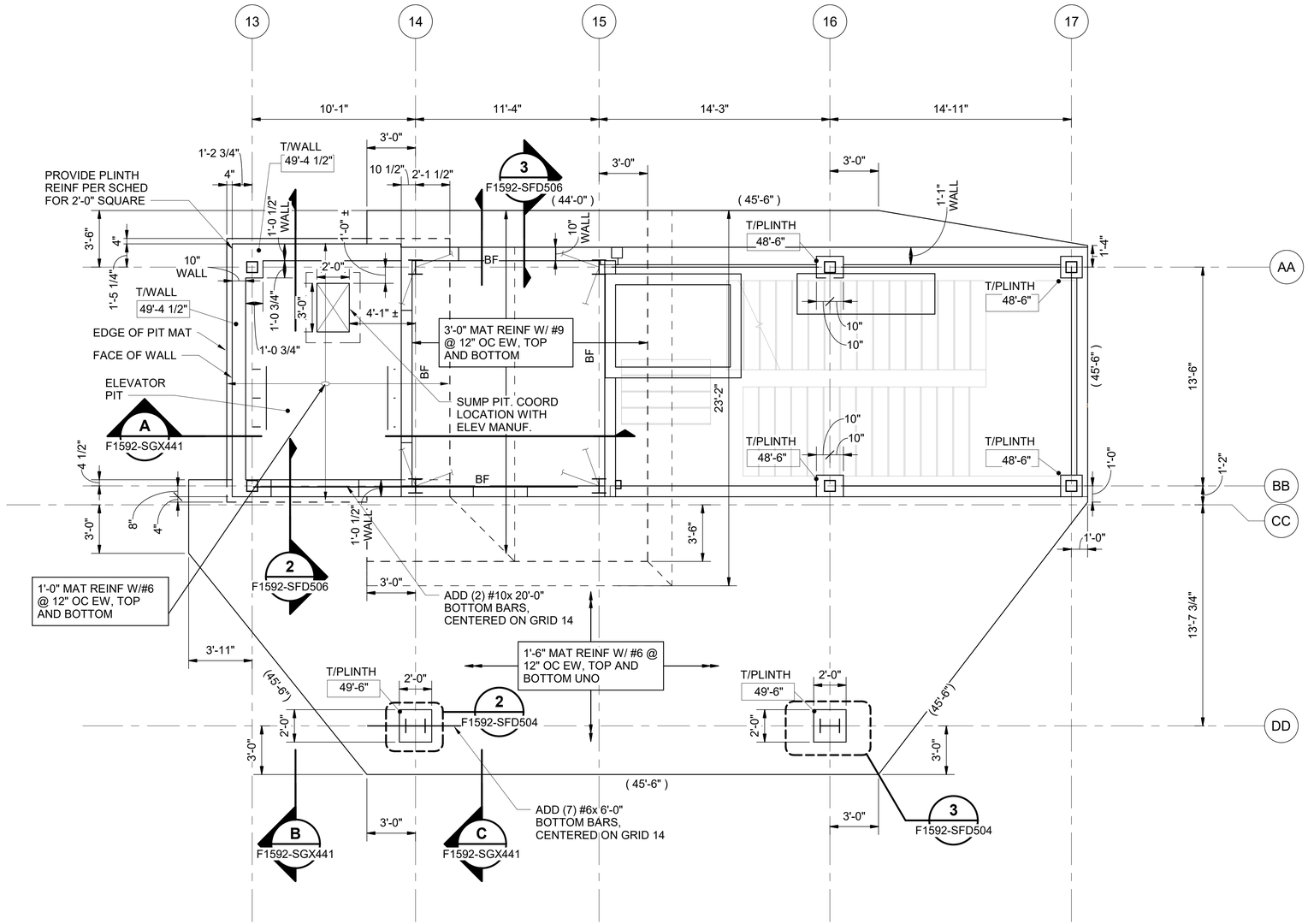
PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
STRUCTURAL
GARAGE FOUNDATION PLAN

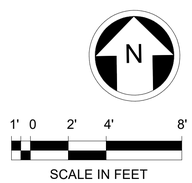
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FACILITY ID: F1592
SHEET No.: 176
REV.: 0

6/21/2022 4:47:21 PM
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NOTES:

1. (X'-X") INDICATES BOTTOM OF FOOTING ELEVATION.
2. BF INDICATES BRACED FRAME (ABOVE).
3. SEE DWG F1592-BNP010 (DP-2) FOR GROUND IMPROVEMENT LAYOUT PLAN.





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FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	NAS	JDA	SLR	FINAL AS-BUILT

DESIGNED BY: N. SCHWAB
DRAWN BY: M. AGUILING
CHECKED BY: J. ARMENA
APPROVED BY: S. ROBERTS

kpff
SUBMITTED BY: SARA ROBERTS
DATE: 10/26/2022

HENSEL PHELPS Plan. Build. Manage.
kpff
REVIEWED BY: GREG SHIMIZU
DATE: 10/26/2022

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT
SUBMITTAL DATE: 10/26/2022

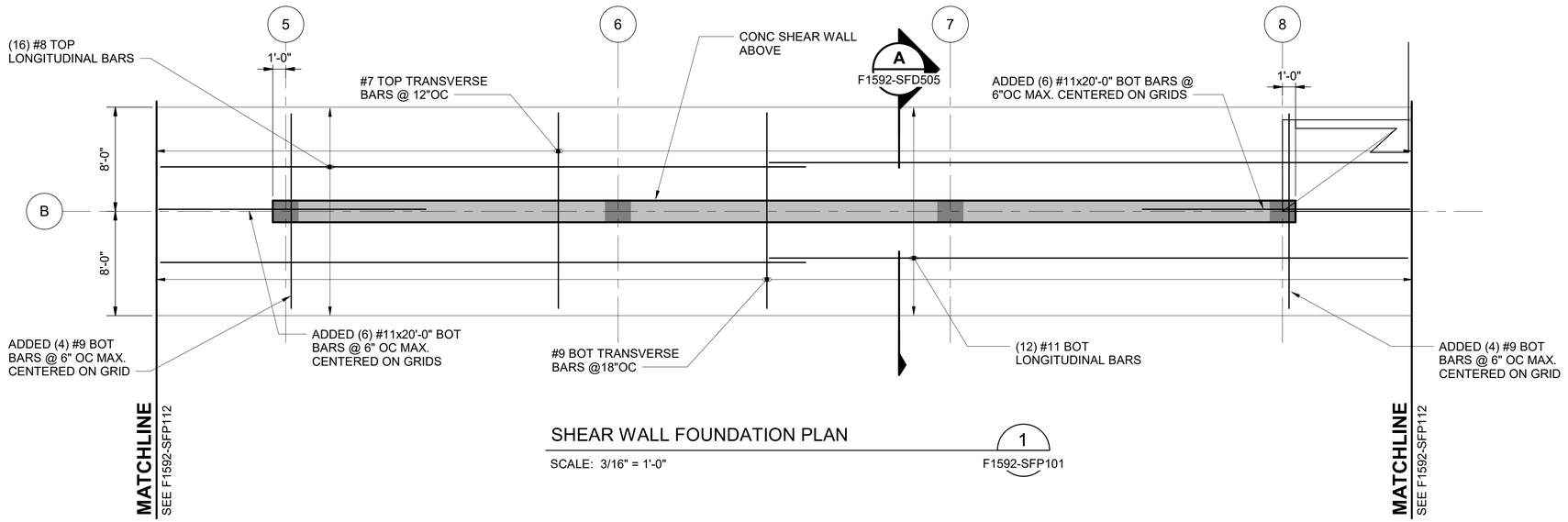
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FILENAME: S317-F1592-S_v2020
CONTRACT No.: RTA/CN 0612-18

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
STRUCTURAL
PEDESTRIAN BRIDGE FOUNDATION

DRAWING No.: F1592-SFP102
FACILITY ID: F1592
SHEET No.: 177
REV.: 0

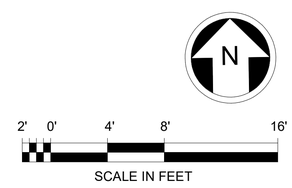
SHEAR WALL FOUNDATION NOTES:

1. SEE SHEAR WALL ELEVATION ON SHEET F1592-SWE321(DP-5) FOR SHEAR WALL DOWELS INTO FOUNDATION.
2. ATTACH SOG TO MAT FOOTINGS WITH THICKENED SLAB SIMILAR TO 2/F1592-SFD501
3. ADDED BAR MAX SPACING AS NOTED ON CALLOUTS ARE WITH RESPECT TO ONE ANOTHER. KEEP A MIN 1" CLEAR BETWEEN ADDED BARS AND VERTICAL DOWELS.



SHEAR WALL FOUNDATION PLAN — 1 / F1592-SFP101

SCALE: 3/16" = 1'-0"



FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	NAS	JDA	SLR	FINAL AS-BUILT

DESIGNED BY: N. SCHWAB
DRAWN BY: M. AGUILING
CHECKED BY: J. ARMENA
APPROVED BY: S. ROBERTS

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kpff

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT

SUBMITTED BY: SARA ROBERTS
DATE: 10/26/2022
REVIEWED BY: GREG SHIMIZU
DATE: 10/26/2022

SCALE: 3/16" = 1'-0"
FILENAME: S317-F1592-S_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

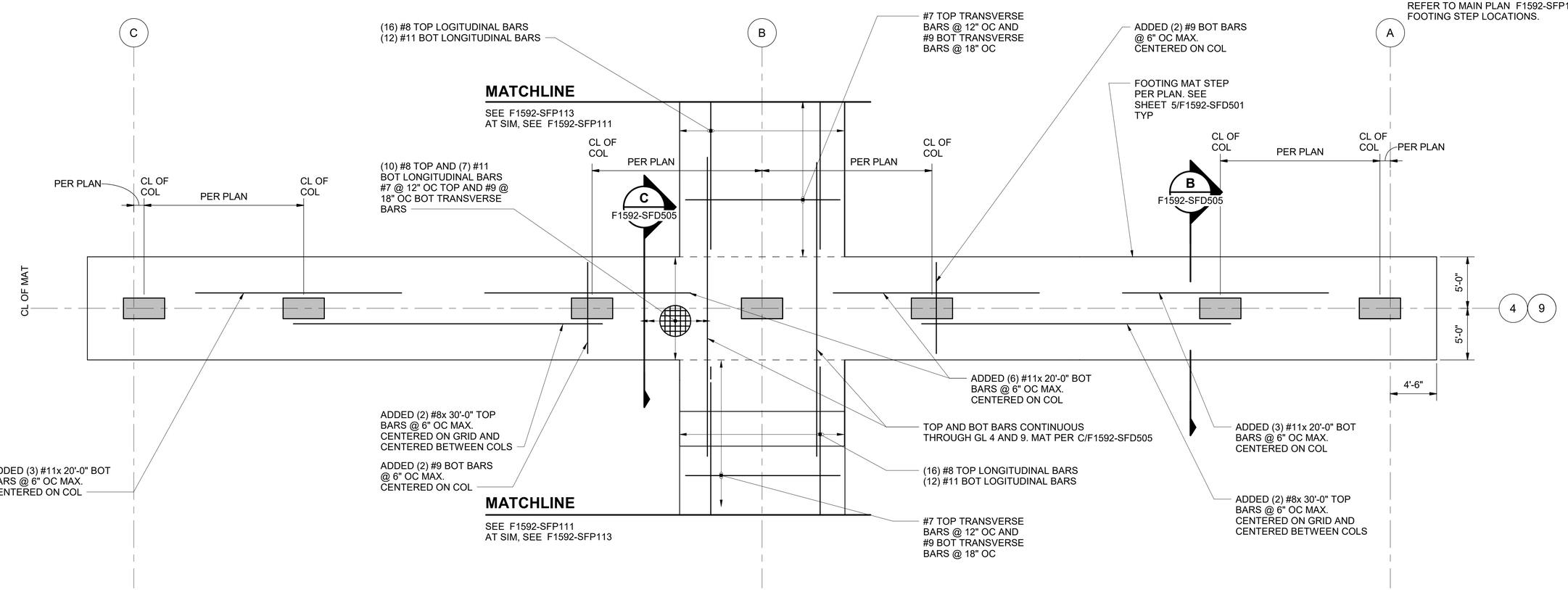
PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
STRUCTURAL
SHEAR WALL FOUNDATION PLAN

DRAWING No.: F1592-SFP111
FACILITY ID: F1592
SHEET No.: 178
REV.: 0

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MOMENT FRAME FOUNDATION NOTES:

1. SEE MOMENT FRAME BUILDING SECTIONS ON SHEET F1592-SGX431 AND F1592-SGX432 (DP-5) FOR MOMENT FRAME COLUMN DOWELS INTO FOUNDATION.
2. ATTACH SOG TO MAT FOOTINGS WITH THICKENED SLAB SIMILAR TO 2/F1592-SFD501
3. ADDED BAR MAX SPACING AS NOTED ON CALLOUTS ARE WITH RESPECT TO ONE ANOTHER. KEEP A MIN 1" CLEAR BETWEEN ADDED BARS AND VERTICAL DOWELS.
4. FOOTING STEPS NOT SHOWN FOR CLARITY. REFER TO MAIN PLAN F1592-SFP101 FOR FOOTING STEP LOCATIONS.



MOMENT FRAME FOUNDATION PLAN 1
SCALE: 3/16" = 1'-0" F1592-SFP101

N

2' 0' 4' 8' 16'
SCALE IN FEET

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FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	NAS	JDA	SLR	FINAL AS-BUILT

DESIGNED BY: N. SCHWAB
DRAWN BY: M. AGUILING
CHECKED BY: J. ARMENA
APPROVED BY: S. ROBERTS

kpff
SUBMITTED BY: SARA ROBERTS
DATE: 10/26/2022

HENSEL PHELPS Plan. Build. Manage.
kpff
REVIEWED BY: GREG SHIMIZU
DATE: 10/26/2022

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT

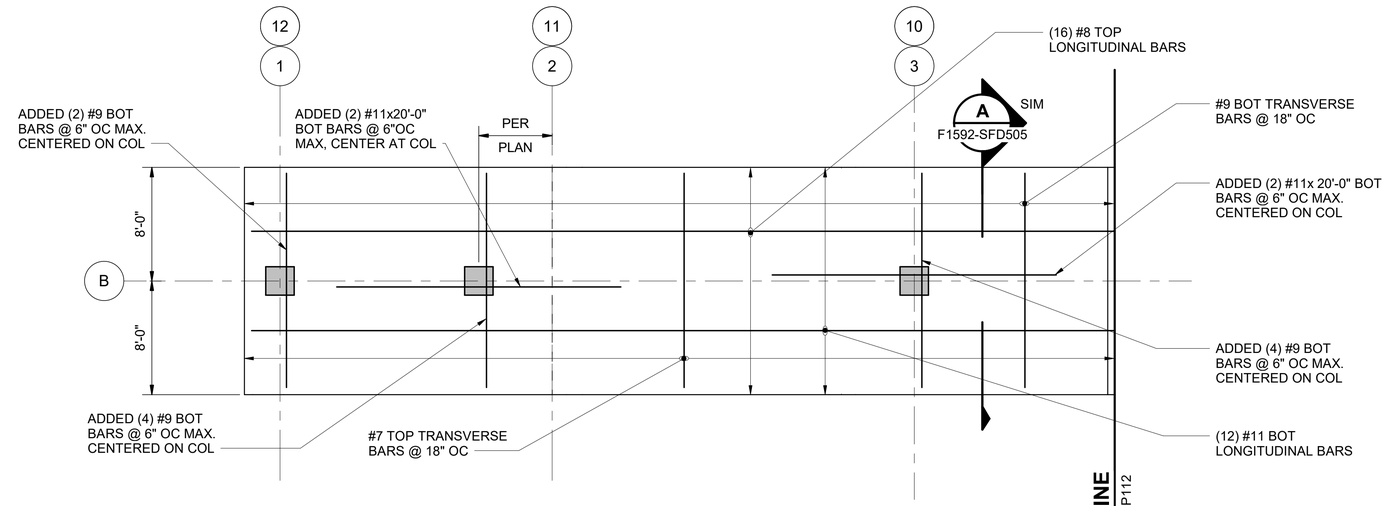
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FILENAME: S317-F1592-S_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
STRUCTURAL
MOMENT FRAME FOUNDATION PLAN

DRAWING No.: F1592-SFP112
FACILITY ID: F1592
SHEET No.: 179
REV.: 0

FOUNDATION NOTES:

1. SEE LEVEL 1 SHEET F1592-SGP101 (DP-5) FOR CONCRETE COLUMN CALLOUTS.
2. ATTACH SOG TO MAT FOOTINGS WITH THICKENED SLAB SIMILAR TO 2/F1592-SFD501
3. ADDED BAR MAX SPACING AS NOTED ON CALLOUTS ARE WITH RESPECT TO ONE ANOTHER. KEEP A MIN 1" CLEAR BETWEEN ADDED BARS AND VERTICAL DOWELS.
4. FOOTING STEPS NOT SHOWN FOR CLARITY. REFER TO MAIN PLAN F1592-SFP101 FOR FOOTING STEP LOCATIONS.



GL B MAT FOUNDATION PLAN

SCALE: 3/16" = 1'-0"

1
F1592-SFP101

N

2' 0' 4' 8' 16'

SCALE IN FEET

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FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	NAS	JDA	SLR	FINAL AS-BUILT

DESIGNED BY: N. SCHWAB
DRAWN BY: M. AGUILING
CHECKED BY: J. ARMENA
APPROVED BY: S. ROBERTS

kpff
SUBMITTED BY: SARA ROBERTS
DATE: 10/26/2022

HENSEL PHELPS
Plan. Build. Manage.
kpff
REVIEWED BY: GREG SHIMIZU
DATE: 10/26/2022

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT
SUBMITTAL DATE: 10/26/2022

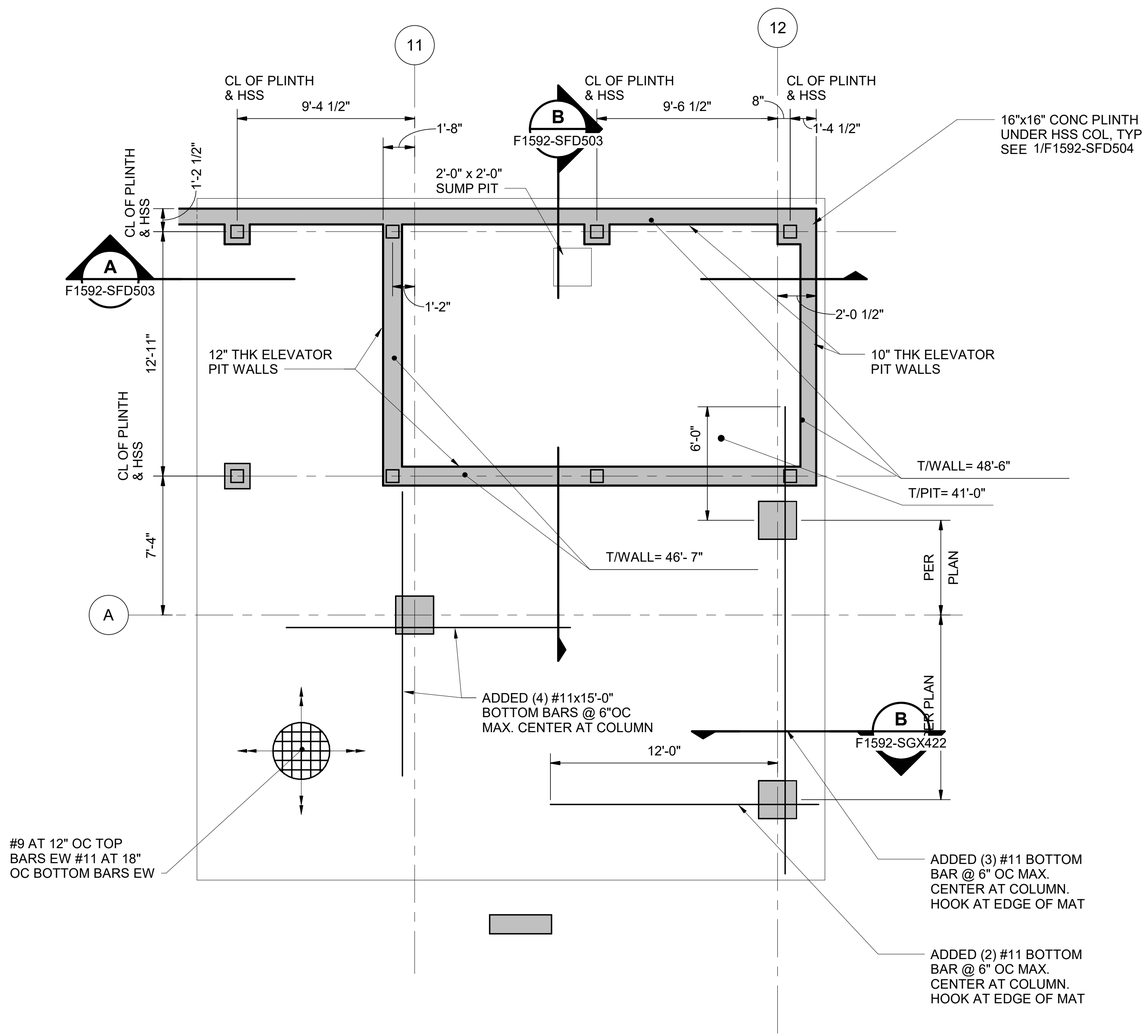
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FILENAME: S317-F1592-S_v2020
CONTRACT No.: RTA/CN 0612-18

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
STRUCTURAL
GARAGE GL B EXTERIOR FOUNDATION PLAN

DRAWING No.: F1592-SFP113
FACILITY ID: F1592
SHEET No.: 180
REV.: 0

FOUNDATION NOTES:

1. SEE LEVEL 1 SHEET F1592-SGP101 (DP-5) FOR CONCRETE COLUMN CALLOUTS. COLUMN SCHEDULE IS ON SHEET F1592-SGD521(DP-5)
2. SEE SHEET F1592-SGP711 (DP-5) FOR NE STAIR/ELEVATOR TOWER FRAMING - INCLUDES HSS COLUMNS AND BASE PLATE CALLOUTS
3. SEE PLAN ON SHEET F1592-SFP101 FOR ELEVATOR PIT MAT SLAB EXTENTS RELATIVE TO GRID
4. ADDED BAR MAX SPACING AS NOTED ON CALLOUTS ARE WITH RESPECT TO ONE ANOTHER. KEEP A MIN 1" CLEAR BETWEEN ADDED BARS AND VERTICAL DOWELS.



GARAGE ELEVATOR FOUNDATION PLAN

SCALE: 1/4" = 1'-0"

1
F1592-SFP101

N

1' 0 2' 4' 8'

SCALE IN FEET

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FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	NAS	JDA	SLR	FINAL AS-BUILT

DESIGNED BY: N. SCHWAB
DRAWN BY: M. AGUILING
CHECKED BY: J. ARMENA
APPROVED BY: S. ROBERTS

kpff
SUBMITTED BY: SARA ROBERTS
DATE: 10/26/2022

HENSEL PHELPS Plan. Build. Manage.
kpff
REVIEWED BY: GREG SHIMIZU
DATE: 10/26/2022

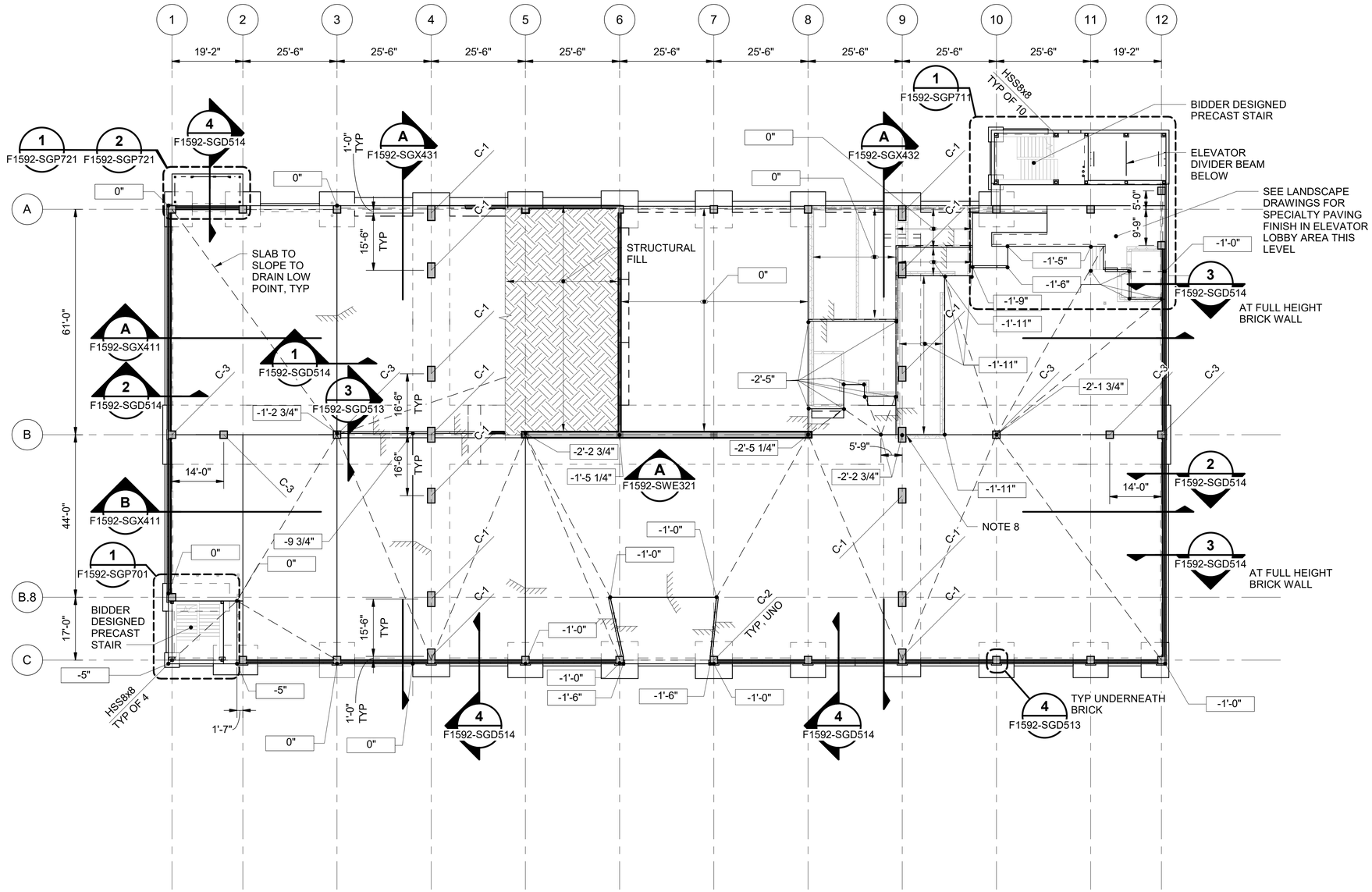
LINE IS 1" AT FULL SCALE

SOUNDTRANSIT

SCALE: 1/4" = 1'-0"
FILENAME: S317-F1592-S_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
STRUCTURAL
GARAGE ELEVATOR FOUNDATION PLAN

DRAWING No.: F1592-SFP114
FACILITY ID: F1592
SHEET No.: 181
REV.: 0



REFERENCE DRAWINGS:

F1592-SZN001 TO F1592-SZN003	STRUCTURAL NOTES
F1592-SZN011	STRUCTURAL SYMBOLS
F1592-SGD511 TO F1592-SGD514	CONCRETE DETAILS
F1592-SGD521 TO F1592-SGD523	CONCRETE COLUMN DETAILS
F1592-SGD531	CONCRETE SHEAR WALL DETAILS
F1592-SGD541 TO F1592-SGD544	CONCRETE PT DETAILS
F1592-SGD551 TO F1592-SGD555	CONCRETE BEAM ELEVATIONS
F1592-SGD561 TO F1592-SGD563	CONCRETE BEAM DETAILS
F1592-SGD601 TO F1592-SGD619	STEEL DETAILS
F1592-SGD621 TO F1592-SGD625	BRACED FRAME DETAILS
F1592-SGD701 TO F1592-SGD702	MASONRY DETAILS
F1592-SGD821 TO F1592-SGD823	CABLE BARRIER DETAILS

NOTES:

1. SLAB-ON-GRADE SHALL BE 5" THICK W/ #5@ 15"OC N-S DIRECTION AND #4 @ 15" OC E-W DIRECTION. 1-1/2" COVER TO TOP OF SLAB. BASE FOR SLAB-ON-GRADE SHALL CONSIST OF VAPOR RETARDER (WHERE REQUIRED) OVER 12" COMPACTED GRAVEL FILL.
2. NOMINAL TOP OF SLAB AT PERIMETER SHALL BE 47'-0" THIS LEVEL, UNO.
3. -X'-X" INDICATES VERTICAL OFFSET OF TOP OF SLAB RELATIVE TO NOMINAL TOP OF SLAB ELEVATION AT THIS LEVEL. SLOPE LINEARLY BETWEEN ELEVATIONS SHOWN.

   STRAIGHT LINE SLOPES TO BE PROVIDED ALONG ALL GRID LINES AND AS INDICATED ON DRAWINGS. SLABS TO BE CAST AS STRAIGHT LINE SLOPES PERPENDICULAR BETWEEN NUMBERED GRID LINES. SLAB SURFACE WILL WARP ALONG BAY. DASHED DRAIN LINES SHOW GENERAL DIRECTION OF DRAINAGE, BUT DO NOT INDICATE FOLD LINES IN SLABS.

   AT DRAIN LOCATIONS, LOCALLY SLOPE/DEPRESS CONCRETE SURFACE TO CREATE LOW POINT AT DRAIN. VERIFY CLEARANCE REQUIREMENTS ARE MET. SEE F1592-MPP101 FOR DRAIN LOCATIONS
4. C-X INDICATES COLUMN ABOVE PER SCHEDULE ON SHEET F1592-SGD521
5. INDICATES MASONRY WALL.

   INDICATED INSULATION AT MASONRY WALL
6. SLAB-ON-GRADE CONTROL JOINTS SPACING PER ARCHITECT SHALL NOT EXCEED 15'-0" OC, AND SHALL BE LOCATED AT ALL COLUMNS AND SHEAR WALLS. PROVIDE ISOLATION JOINTS WITH PREMOULDED JOINT FILLER AROUND COLUMNS.
7. INDICATES BOLLARD. SEE ARCH FOR LOCATION. SEE SHEET 4/F1592-SGD512 FOR ANCHORAGE DETAIL.
8. LOCALLY OVERPOUR SLAB ON GRADE AT THIS COLUMN CORNER TO DRAIN WATER AWAY FROM THIS SPACE.

N

2' 0' 8' 16' 32'

SCALE IN FEET

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	NAS	JDA	SLR	FINAL AS-BUILT

DESIGNED BY: N. SCHWAB
DRAWN BY: M. AGUILING
CHECKED BY: J. ARMENA
APPROVED BY: S. ROBERTS

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kpff

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT

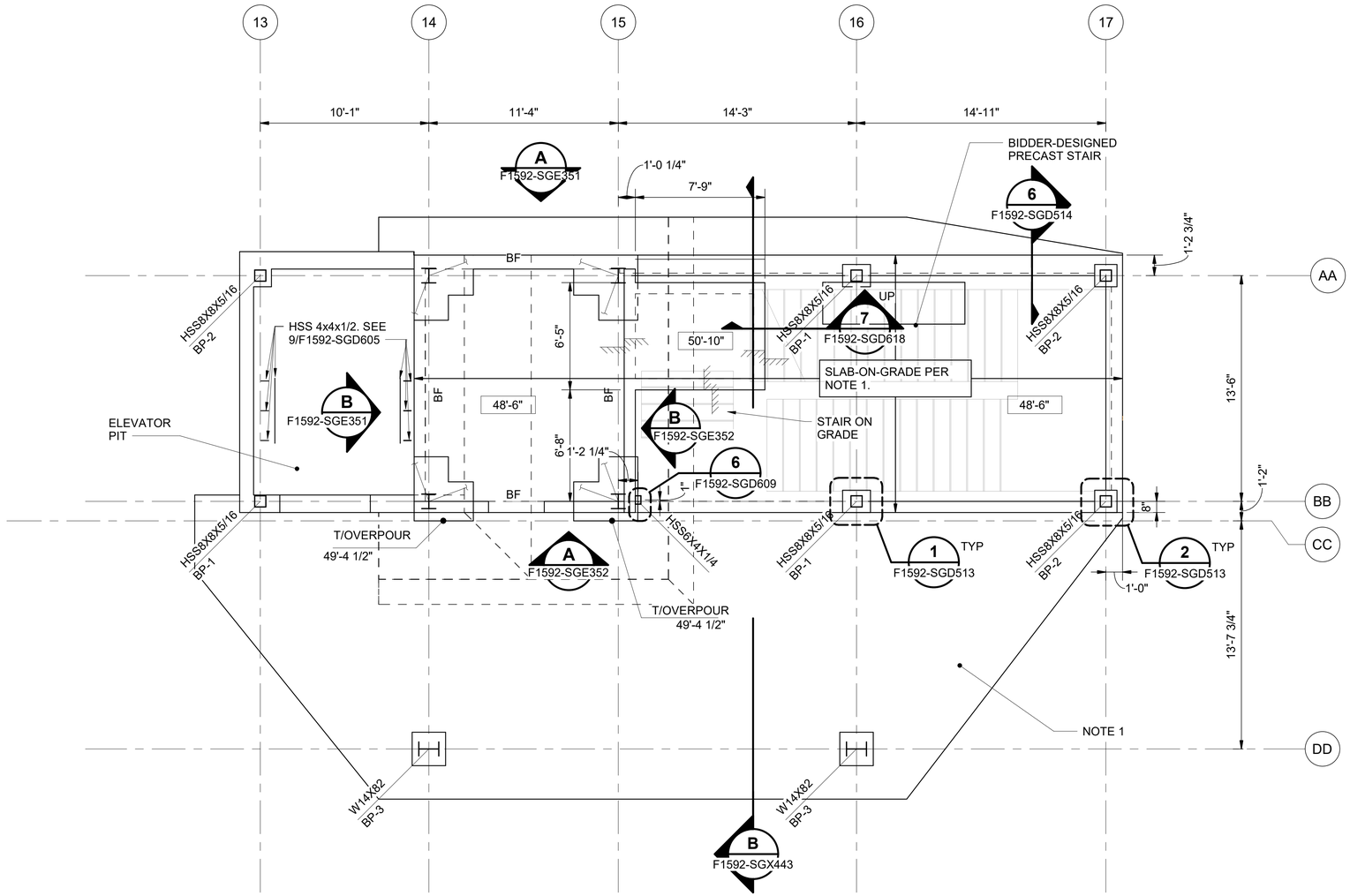
SUBMITTED BY: SARA ROBERTS
DATE: 10/26/2022
REVIEWED BY: GREG SHIMIZU
DATE: 10/26/2022

SCALE: 1/16" = 1'-0"
FILENAME: S317-F1592-S_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
STRUCTURAL
SLAB PLAN - LEVEL 1

DRAWING No.: F1592-SGP101
FACILITY ID: F1592
SHEET No.: 182
REV.: 0

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NOTES:

1. SLAB-ON-GRADE SHALL BE 5" THICK W/ #4 @ 14" OC LOCATED AT 1-1/2" COVER TO TOP OF SLAB. BASE FOR SLAB-ON-GRADE SHALL CONSIST OF VAPOR RETARDER (WHERE REQUIRED) OVER 12" COMPACTED GRAVEL FILL.
2. SLAB-ON-GRADE CONTROL JOINTS SPACING PER ARCHITECT SHALL NOT EXCEED 15'-0" OC, AND SHALL BE LOCATED AT ALL COLUMNS. PROVIDE ISOLATION JOINTS WITH PREMOULDED JOINT FILLER AROUND COLUMNS.
3. SEE LANDSCAPE DRAWINGS FOR SITE PAVING.
4. BF INDICATES BRACED FRAME (ABOVE).
5. BP-1 INDICATES BASE PLATE TYPE. SEE F1592-SGD603.

N

1'0 4' 8' 16'

SCALE IN FEET

6/21/2022 4:47:32 PM
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FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	NAS	JDA	SLR	FINAL AS-BUILT

DESIGNED BY: N. SCHWAB
DRAWN BY: M. AGUILING
CHECKED BY: J. ARMENA
APPROVED BY: S. ROBERTS

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Plan. Build. Manage.
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LINE IS 1" AT FULL SCALE

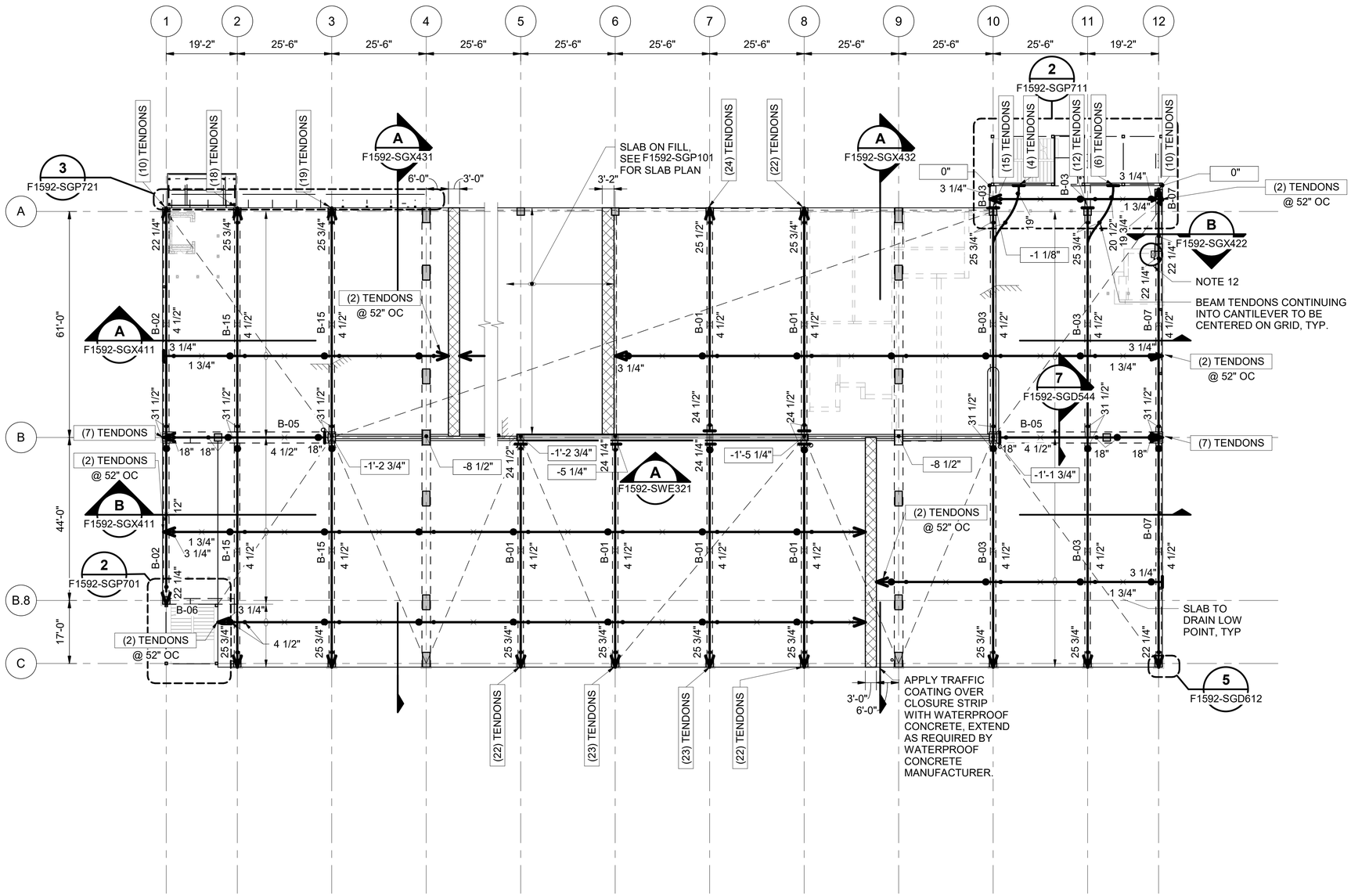
SOUNDTRANSIT

SUBMITTED BY: SARA ROBERTS
DATE: 10/26/2022
REVIEWED BY: GREG SHIMIZU
DATE: 10/26/2022

SCALE: 1/4" = 1'-0"
FILENAME: S317-F1592-S_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
STRUCTURAL
SLAB PLAN - LEVEL 1 - EAST

DRAWING No.: F1592-SGP102
FACILITY ID: F1592
SHEET No.: 183
REV.: 0



REFERENCE DRAWINGS:

F1592-SZN001 TO F1592-SZN003	STRUCTURAL NOTES
F1592-SZN011	STRUCTURAL SYMBOLS
F1592-SGD511 TO F1592-SGD514	CONCRETE DETAILS
F1592-SGD521 TO F1592-SGD523	CONCRETE COLUMN DETAILS
F1592-SGD531	CONCRETE SHEAR WALL DETAILS
F1592-SGD541 TO F1592-SGD544	CONCRETE PT DETAILS
F1592-SGD551 TO F1592-SGD555	CONCRETE BEAM ELEVATIONS
F1592-SGD561 TO F1592-SGD563	CONCRETE BEAM DETAILS
F1592-SGD601 TO F1592-SGD619	STEEL DETAILS
F1592-SGD621 TO F1592-SGD625	BRACED FRAME DETAILS
F1592-SGD701 TO F1592-SGD702	MASONRY DETAILS
F1592-SGD821 TO F1592-SGD823	CABLE BARRIER DETAILS

NOTES:

1. POST-TENSIONED SLABS TO BE 6 1/2" THICK, UNO.
2. NOMINAL TOP OF SLAB AT PERIMETER:
   LEVEL 2 - EL 57'-8"
   LEVEL 3 - EL 68'-4"
   LEVEL 4 - EL 79'-0"
   LEVEL 5 - EL 89'-8"
3. -X'-X" INDICATES VERTICAL OFFSET OF TOP OF SLAB RELATIVE TO NOMINAL TOP OF SLAB ELEVATION AT THIS LEVEL. SLOPE LINEARLY BETWEEN ELEVATIONS SHOWN. SLAB TO SLOPE INWARD TOWARD DRAINS AT INTERIOR OF GARAGE.

   BEAMS TO BE FORMED AS STRAIGHT LINE SLOPES BETWEEN ELEVATION POINTS, UNO. SLABS TO BE FORMED AS STRAIGHT LINE SLOPES PERPENDICULAR BETWEEN BEAMS. SLAB SURFACE WILL WARP ALONG BAY. DASHED DRAIN LINES SHOW GENERAL DIRECTION OF DRAINAGE, BUT DO NOT INDICATE FOLD LINES IN SLABS OR BEAMS.

   AT DRAIN LOCATIONS, LOCALLY SLOPE/DEPRESS CONCRETE SURFACE TO CREATE LOW POINT AT DRAIN. SEE F1592-MPP201 TO F1592-MPP501 FOR DRAIN LOCATIONS.
4. INDICATES PT SLAB CLOSURE STRIP.
5. B-X INDICATES CONCRETE BEAM PER CONCRETE BEAM ELEVATIONS.
6. INDICATES BOLLARD PER 6/F1592-SGD603. SEE ARCH FOR LOCATION.
7. INDICATES TENDON PROFILE HIGH POINT MEASURED FROM BOTTOM OF THE SLAB OR BEAM. SHALL BE 5 1/4" FOR THIS LEVEL, UNO.
8. INDICATES TENDON PROFILE LOW POINT MEASURED FROM BOTTOM OF THE SLAB OR BEAM. SHALL BE 1 1/4" FOR THIS LEVEL, UNO.
9. NP INDICATES NO-PROFILE TENDON LOCATED AT DEPTH GIVEN OR AT MID-DEPTH OF BEAM OR SLAB WHERE DEPTH IS NOT SHOWN.
10. INDICATES MASONRY WALL.
11. FIRST DISTRIBUTED TENDONS (CLOSEST TO SLAB EDGE) SHALL BE PLACED 12" ± 2" FROM SLAB EDGE.
12. SEE ARCH DETAIL ON 4/F1592-AED621 FOR MECHANICAL CHASE DIMENSIONS AND LOCATIONS. SEE 3/F1592-SGD610 FOR SUPPORT FRAMING.

N

2' 0' 8' 16' 32'

SCALE IN FEET

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	NAS	JDA	SLR	FINAL AS-BUILT

DESIGNED BY: N. SCHWAB
DRAWN BY: M. AGUILING
CHECKED BY: J. ARMENA
APPROVED BY: S. ROBERTS

kpff
HENSEL PHELPS Plan. Build. Manage.
kpff

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT

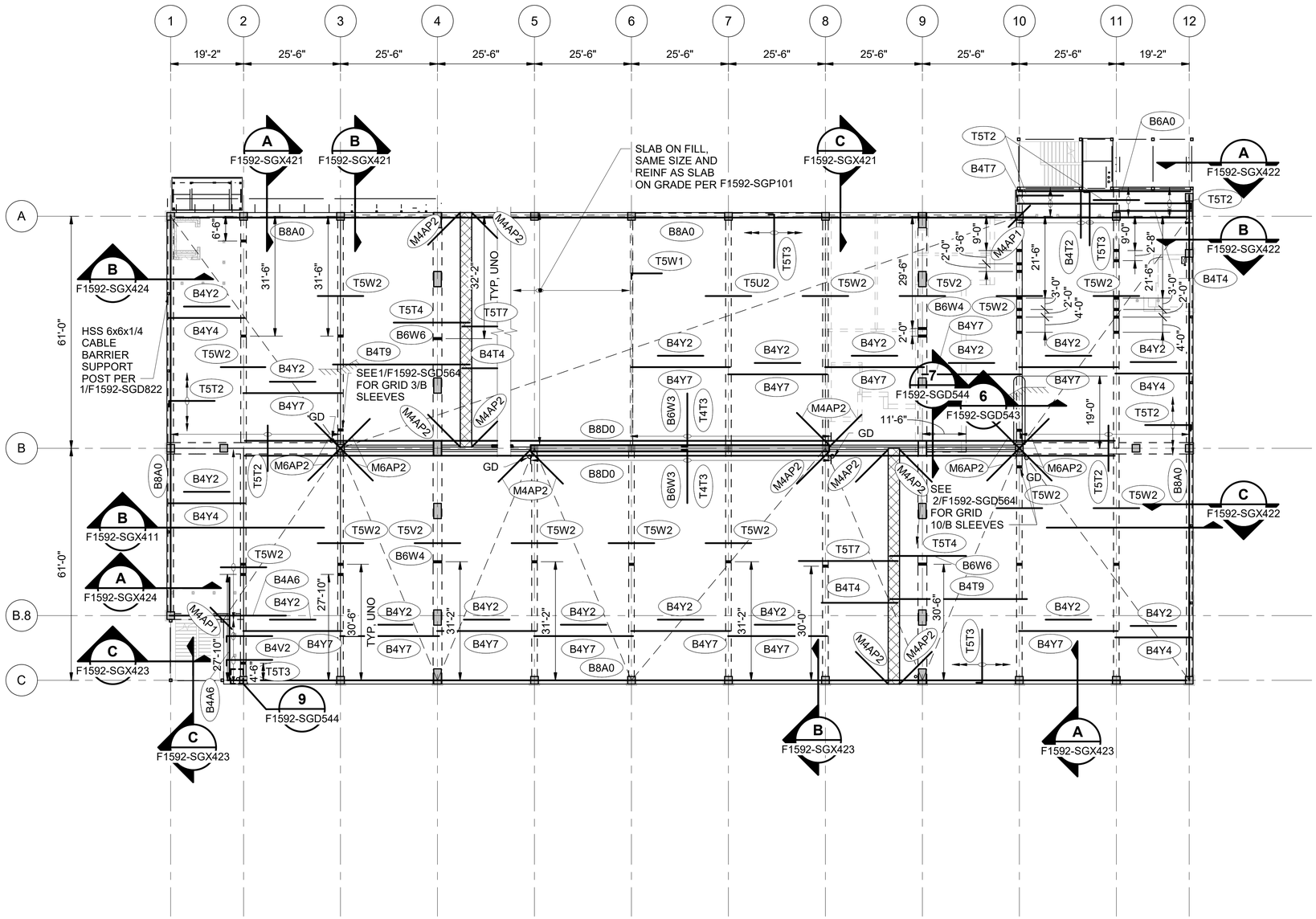
SUBMITTED BY: SARA ROBERTS
DATE: 10/26/2022
REVIEWED BY: GREG SHIMIZU
DATE: 10/26/2022

SCALE: 1/16" = 1'-0"
FILENAME: S317-F1592-S_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
STRUCTURAL
FRAMING PLAN - LEVEL 2

DRAWING No.: F1592-SGP201
FACILITY ID: F1592
SHEET No.: 184
REV.: 0

6/21/2022 4:47:35 PM
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REFERENCE DRAWINGS:

F1592-SZN001 TO F1592-SZN003	STRUCTURAL NOTES
F1592-SZN011	STRUCTURAL SYMBOLS
F1592-SGD511 TO F1592-SGD514	CONCRETE DETAILS
F1592-SGD521 TO F1592-SGD523	CONCRETE COLUMN DETAILS
F1592-SGD531	CONCRETE SHEAR WALL DETAILS
F1592-SGD541 TO F1592-SGD544	CONCRETE PT DETAILS
F1592-SGD551 TO F1592-SGD555	CONCRETE BEAM ELEVATIONS
F1592-SGD561 TO F1592-SGD563	CONCRETE BEAM DETAILS
F1592-SGD601 TO F1592-SGD619	STEEL DETAILS
F1592-SGD621 TO F1592-SGD625	BRACED FRAME DETAILS
F1592-SGD701 TO F1592-SGD702	MASONRY DETAILS
F1592-SGD821 TO F1592-SGD823	CABLE BARRIER DETAILS

NOTES:

1. SEE F1592-SGP201 FOR NOTES
2. ALL LEVEL 5 SLABS TO HAVE HYDROPHOBIC CONCRETE PER SPECIFICATIONS.
3. SEE TYPICAL PT DETAILS FOR TEMPERATURE & SHRINKAGE STEEL REQUIREMENTS
4. INDICATES BEAM SLEEVE SEE 4/F1592-SGD564

REINFORCING SCHEDULE

MARK	QUANTITY	MARK	SPACING
--A-	(4)	--N-	@ 4" OC
--B-	(6)	--P-	@ 6" OC
--C-	(8)	--Q-	@ 8" OC
--D-	(10)	--R-	@ 9" OC
--E-	(12)	--S-	@ 10" OC
--F-	(14)	--T-	@ 12" OC
--G-	(16)	--U-	@ 14" OC
--H-	(18)	--V-	@ 16" OC
--J-	(20)	--W-	@ 18" OC
--K-	(24)	--X-	@ 20" OC
--L-	(28)	--Y-	@ 24" OC
--M-	@ 3" OC	--Z-	@ 36" OC

BAR SIZE:
4 = #4
5 = #5
6 = #6
7 = #7
8 = #8
9 = #9
10 = #10
11 = #11

BAR QUANTITY OR SPACING PER REINFORCING SCHEDULE; TWO LETTERS INDICATE BAR QUANTITY AND SPACING

BAR POSITION:
T = TOP
B = BOT
M = MID

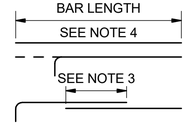
BAR LENGTH:
1 = 8'-0"
2 = 12'-0"
3 = 14'-0"
4 = 20'-0"
5 = 22'-0"
6 = 24'-0"
7 = 26'-0"
8 = 30'-0"
9 = 36'-0"
0 = PER PLAN

EXAMPLES:

T4A2 = (4) #4x12'-0" TOP REINFORCEMENT

B6N4 = #6x20'-0" BOTTOM REINFORCEMENT, SPACED AT 4" OC

B5CR5 = (8) #5 x 22'-0" BOTTOM REINFORCEMENT, SPACED AT 9" OC



REINFORCING NOTES:

1. BARS ARE HOOKED ONE OR BOTH ENDS, OR STRAIGHT PER PLAN.
2. DISTRIBUTED BARS SHOWN ON PLAN WITHOUT EXTENT LINES SHALL EXTEND ACROSS FULL BAY BETWEEN GRIDS. ALL OTHER BARS ARE IN ADDITION TO DISTRIBUTED BARS, UNO.
3. BARS MAY BE SPLICED AT CONTRACTOR'S OPTION. SEE BAR SPLICE AND DEVELOPMENT SCHEDULE.
4. BAR LENGTH LISTED IN TAG INCLUDES STANDARD HOOK LENGTH.



2' 0' 8' 16' 32'
SCALE IN FEET

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	NAS	JDA	SLR	FINAL AS-BUILT

DESIGNED BY: N. SCHWAB
DRAWN BY: M. AGUILING
CHECKED BY: J. ARMENA
APPROVED BY: S. ROBERTS

kpff — SUBMITTED BY: SARA ROBERTS

HENSEL PHELPS Plan. Build. Manage. kpff — DATE: 10/26/2022 — REVIEWED BY: GREG SHIMIZU

LINE IS 1" AT FULL SCALE

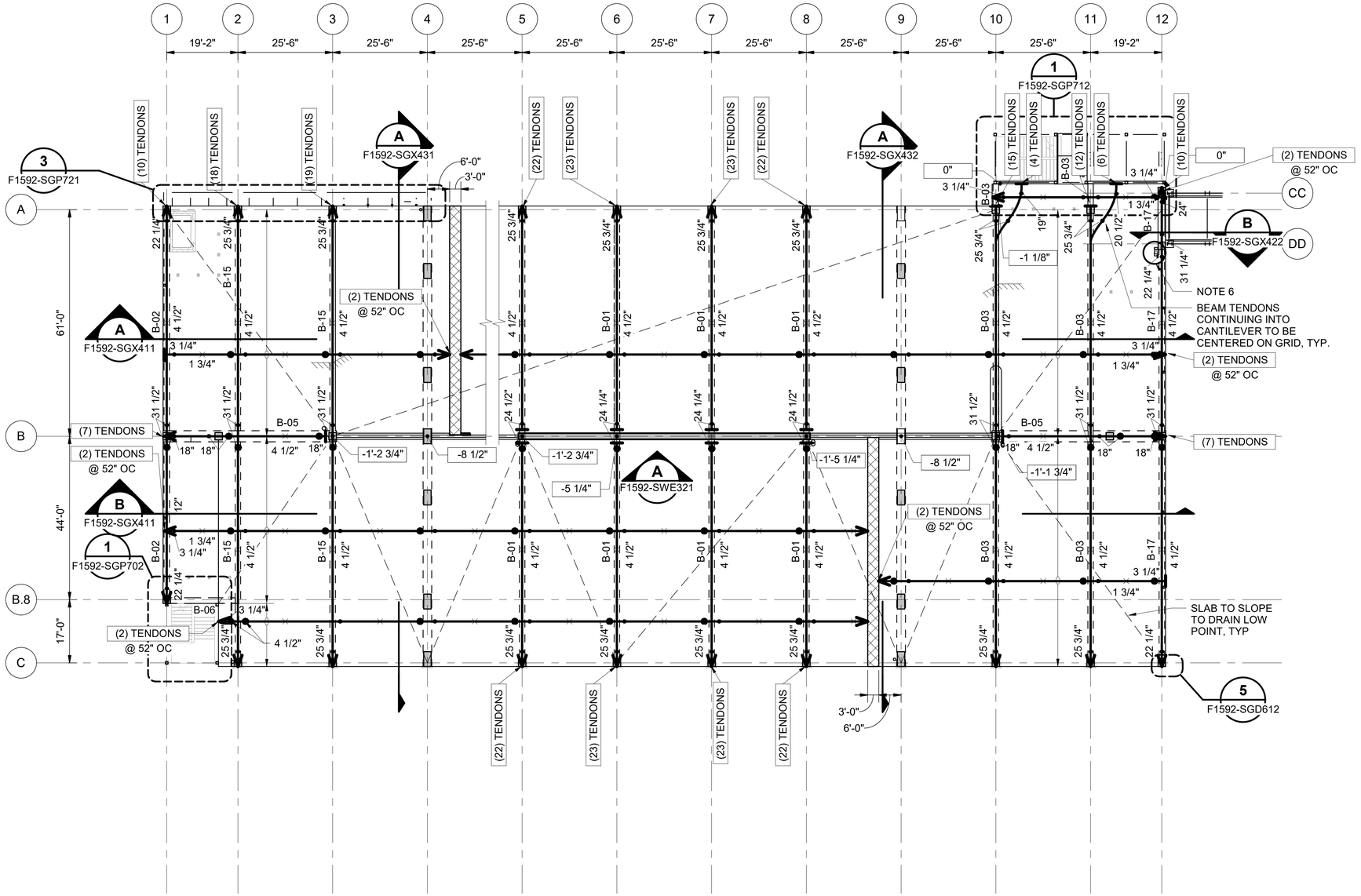
SOUNDTRANSIT — DATE: 10/26/2022

SCALE: 1/16" = 1'-0"
FILENAME: S317-F1592-S_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
STRUCTURAL
REINFORCING PLAN - LEVEL 2

DRAWING No.: F1592-SGP202
FACILITY ID: F1592
SHEET No.: 185
REV.: 0

6/21/2022 4:47:39 PM
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REFERENCE DRAWINGS:

F1592-SZN001 TO F1592-SZN003	STRUCTURAL NOTES
F1592-SZN011	STRUCTURAL SYMBOLS
F1592-SGD511 TO F1592-SGD514	CONCRETE DETAILS
F1592-SGD521 TO F1592-SGD523	CONCRETE COLUMN DETAILS
F1592-SGD531	CONCRETE SHEAR WALL DETAILS
F1592-SGD541 TO F1592-SGD544	CONCRETE PT DETAILS
F1592-SGD551 TO F1592-SGD555	CONCRETE BEAM ELEVATIONS
F1592-SGD561 TO F1592-SGD563	CONCRETE BEAM DETAILS
F1592-SGD601 TO F1592-SGD619	STEEL DETAILS
F1592-SGD621 TO F1592-SGD625	BRACED FRAME DETAILS
F1592-SGD701 TO F1592-SGD702	MASONRY DETAILS
F1592-SGD821 TO F1592-SGD823	CABLE BARRIER DETAILS

NOTES:

1. SEE F1592-SGP201 FOR ADDITIONAL NOTES
2. —— INDICATES TENDON PROFILE HIGH POINT MEASURED FROM BOTTOM OF THE SLAB OR BEAM. SHALL BE 5 1/4" FOR THIS LEVEL, UNO.
3. —— INDICATES TENDON PROFILE LOW POINT MEASURED FROM BOTTOM OF THE SLAB OR BEAM. SHALL BE 1 1/4" FOR THIS LEVEL, UNO.
4. NP INDICATES NO PROFILE TENDON LOCATED AT DEPTH GIVEN OR AT MID-DEPTH OF BEAM OR SLAB WHERE DEPTH IS NOT SHOWN.
5. FIRST DISTRIBUTED TENDONS (CLOSEST TO SLAB EDGE) SHALL BE PLACED 12" ± 2" FROM SLAB EDGE.
6. SEE ARCH DETAIL ON 4/F1592-AED621 FOR MECHANICAL CHASE DIMENSIONS AND LOCATIONS. SEE 3/F1592-SGD610 FOR SUPPORT FRAMING.

N

2' 0' 8' 16' 32'
SCALE IN FEET

6/21/2022 4:47:42 PM
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FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	NAS	JDA	SLR	FINAL AS-BUILT

DESIGNED BY: N. SCHWAB
DRAWN BY: M. AGUILING
CHECKED BY: J. ARMENA
APPROVED BY: S. ROBERTS

kpff
SUBMITTED BY: SARA ROBERTS
DATE: 10/26/2022

HENSEL PHELPS Plan. Build. Manage.
kpff
REVIEWED BY: GREG SHIMIZU
DATE: 10/26/2022

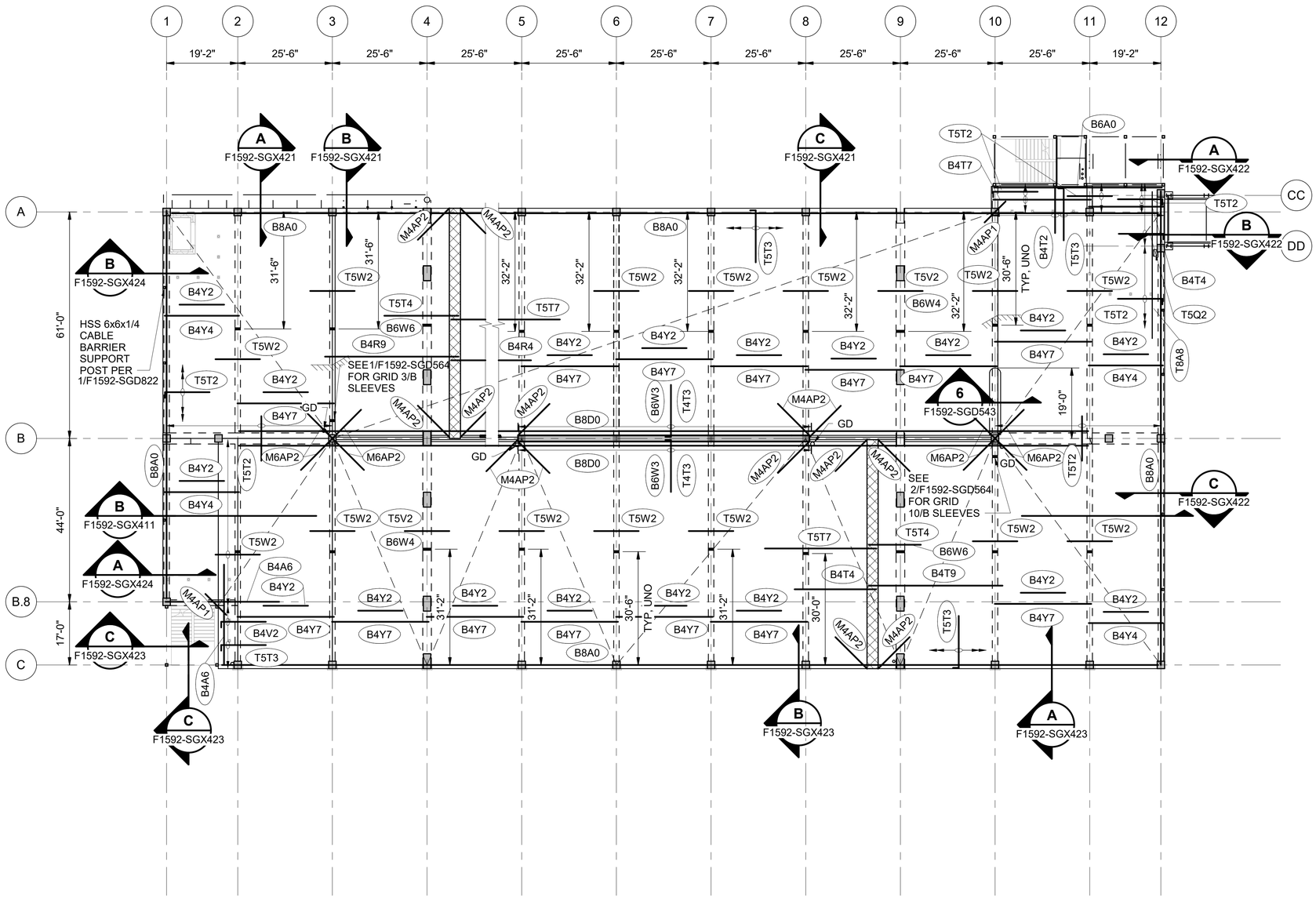
LINE IS 1" AT FULL SCALE

SOUNDTRANSIT

SCALE: 1/16" = 1'-0"
FILENAME: S317-F1592-S_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
STRUCTURAL
FRAMING PLAN - LEVEL 3

DRAWING No.: F1592-SGP301
FACILITY ID: F1592
SHEET No.: 186
REV.: 0



REFERENCE DRAWINGS:

F1592-SZN001 TO F1592-SZN003	STRUCTURAL NOTES
F1592-SZN011	STRUCTURAL SYMBOLS
F1592-SGD511 TO F1592-SGD514	CONCRETE DETAILS
F1592-SGD521 TO F1592-SGD523	CONCRETE COLUMN DETAILS
F1592-SGD531	CONCRETE SHEAR WALL DETAILS
F1592-SGD541 TO F1592-SGD544	CONCRETE PT DETAILS
F1592-SGD551 TO F1592-SGD555	CONCRETE BEAM ELEVATIONS
F1592-SGD561 TO F1592-SGD563	CONCRETE BEAM DETAILS
F1592-SGD601 TO F1592-SGD619	STEEL DETAILS
F1592-SGD621 TO F1592-SGD625	BRACED FRAME DETAILS
F1592-SGD701 TO F1592-SGD702	MASONRY DETAILS
F1592-SGD821 TO F1592-SGD823	CABLE BARRIER DETAILS

NOTES:

1. SEE F1592-SGP201 FOR NOTES
2. ALL LEVEL 5 SLABS TO HAVE HYDROPHOBIC CONCRETE PER SPECIFICATIONS.
3. SEE TYPICAL PT DETAILS FOR TEMPERATURE & SHRINKAGE STEEL REQUIREMENTS
4. INDICATES BEAM SLEEVE SEE 4/F1592-SGD564

REINFORCING SCHEDULE

MARK	QUANTITY	MARK	SPACING
--A-	(4)	--N-	@ 4" OC
--B-	(6)	--P-	@ 6" OC
--C-	(8)	--Q-	@ 8" OC
--D-	(10)	--R-	@ 9" OC
--E-	(12)	--S-	@ 10" OC
--F-	(14)	--T-	@ 12" OC
--G-	(16)	--U-	@ 14" OC
--H-	(18)	--V-	@ 16" OC
--J-	(20)	--W-	@ 18" OC
--K-	(24)	--X-	@ 20" OC
--L-	(28)	--Y-	@ 24" OC
--M-	@ 3" OC	--Z-	@ 36" OC

BAR SIZE:
4 = #4
5 = #5
6 = #6
7 = #7
8 = #8
9 = #9
10 = #10
11 = #11

BAR POSITION:
T = TOP
B = BOT
M = MID

BAR QUANTITY OR SPACING PER REINFORCING SCHEDULE; TWO LETTERS INDICATE BAR QUANTITY AND SPACING

BAR LENGTH:
1 = 8'-0"
2 = 12'-0"
3 = 14'-0"
4 = 20'-0"
5 = 22'-0"
6 = 24'-0"
7 = 26'-0"
8 = 30'-0"
9 = 36'-0"
0 = PER PLAN

EXAMPLES:

T4A2 = (4) #4x12'-0" TOP REINFORCEMENT

B6N4 = #6x20'-0" BOTTOM REINFORCEMENT, SPACED AT 4" OC

B5CR5 = (8) #5 x 22'-0" BOTTOM REINFORCEMENT, SPACED AT 9" OC

REINFORCING NOTES:

1. BARS ARE HOOKED ONE OR BOTH ENDS, OR STRAIGHT PER PLAN.
2. DISTRIBUTED BARS SHOWN ON PLAN WITHOUT EXTENT LINES SHALL EXTEND ACROSS FULL BAY BETWEEN GRIDS. ALL OTHER BARS ARE IN ADDITION TO DISTRIBUTED BARS, UNO.
3. BARS MAY BE SPLICED AT CONTRACTOR'S OPTION. SEE BAR SPLICE AND DEVELOPMENT SCHEDULE.
4. BAR LENGTH LISTED IN TAG INCLUDES STANDARD HOOK LENGTH.

BAR LENGTH
SEE NOTE 4
SEE NOTE 3

N

2' 0' 8' 16' 32'
SCALE IN FEET

6/21/2022 4:47:45 PM
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FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	NAS	JDA	SLR	FINAL AS-BUILT

DESIGNED BY: N. SCHWAB
DRAWN BY: M. AGUILING
CHECKED BY: J. ARMENA
APPROVED BY: S. ROBERTS

kpff
SUBMITTED BY: SARA ROBERTS

HENSEL PHELPS Plan. Build. Manage.
kpff
DATE: 10/26/2022
REVIEWED BY: GREG SHIMIZU

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT
DATE: 10/26/2022

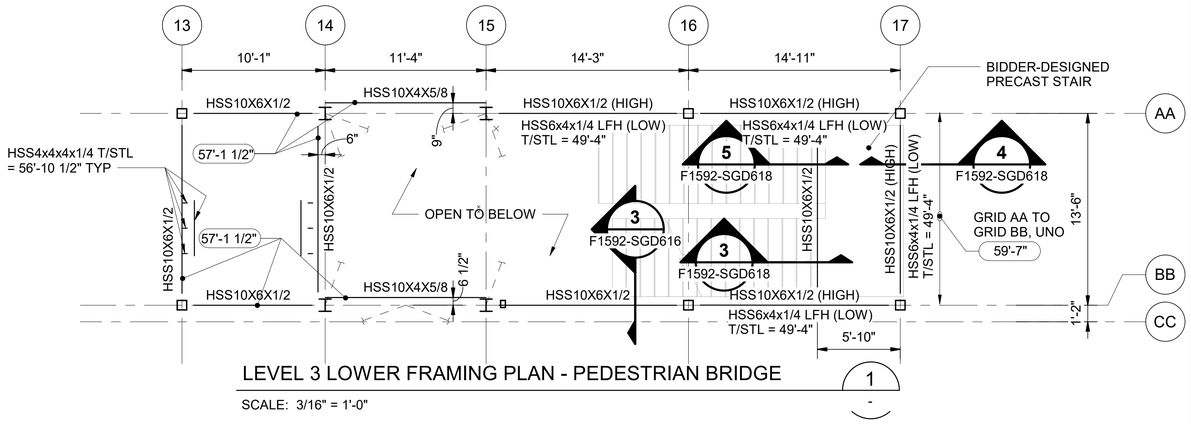
SCALE: 1/16" = 1'-0"
FILENAME: S317-F1592-S_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
STRUCTURAL
REINFORCING PLAN - LEVEL 3

DRAWING No.: F1592-SGP302
FACILITY ID: F1592
SHEET No.: 187
REV.: 0

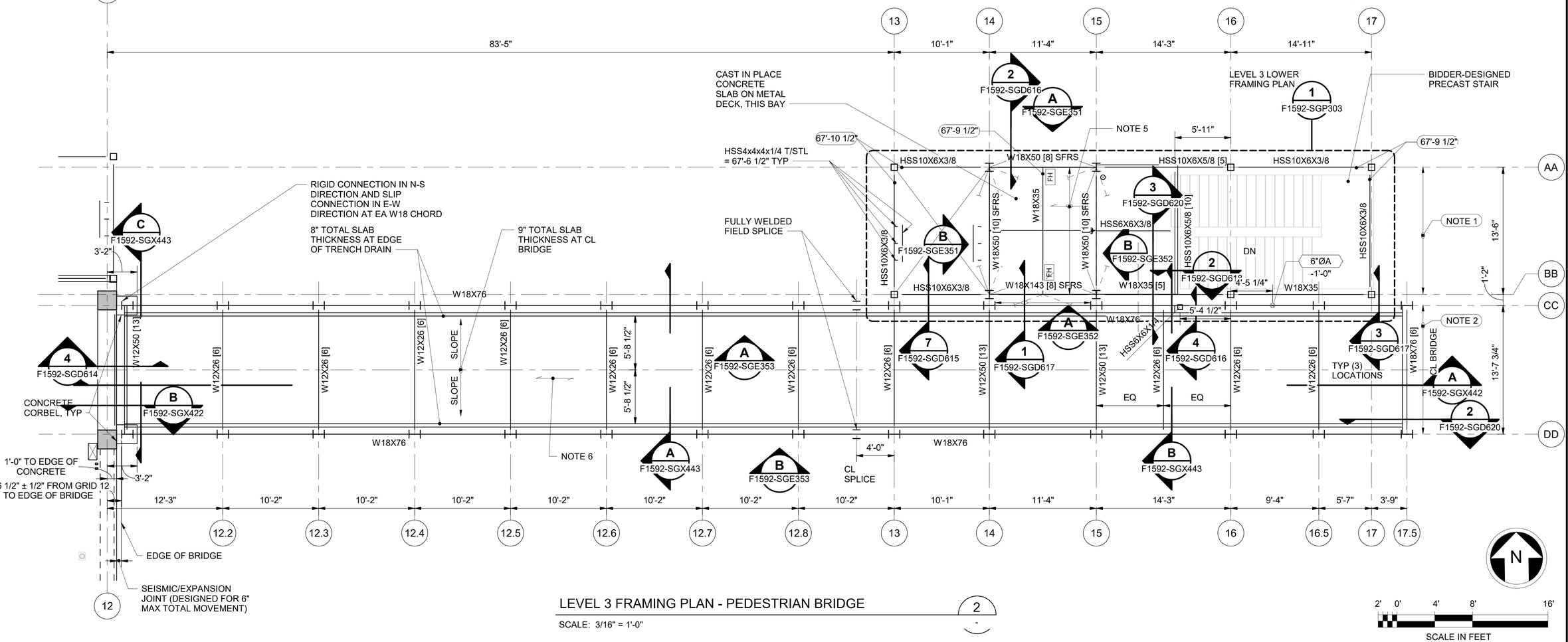
STEEL FRAMING PLAN NOTES:

1. STAIR TOWER TOP OF STEEL ELEVATION BETWEEN GRIDS BB AND CC SHALL BE 68'-2" THIS LEVEL, UNO.
2. BRIDGE CHORD TOP OF STEEL ELEVATION ON GRIDS CC AND DD SHALL BE 68'-2" THIS LEVEL, UNO. PROVIDE CAMBER OVER BRIDGE SPAN PER SHEET F1592-SGE353. SEE 4/F1592-SGD615 FOR TOP OF STEEL OF TRANSVERSE BRIDGE BEAMS.
3. BF INDICATES BRACED FRAME PER ELEVATION.
4. ⟶ INDICATES BOTTOM FLANGE BRACE.
5. BETWEEN GL 15 AND 16, SLAB SHALL BE 2 1/2" CONCRETE OVER 3"x18 GAUGE TYPE W COMPOSITE STEEL DECK, 5 1/2" TOTAL THICKNESS. BETWEEN GL 14 AND 15, SLAB SHALL BE 3 1/2" CONCRETE OVER 3"x18 GAUGE TYPE W/ COMPOSITE STEEL DECK, 6 1/2" TOTAL THICKNESS. REINFORCE WITH #4 @ 12" OC EW WHERE NOTED.
6. BRIDGE SLAB SHALL BE 5" MIN CONCRETE OVER 3"x18 GAUGE TYPE W COMPOSITE STEEL DECK, 8" MIN TOTAL THICKNESS WITH #4 @ 12" OC EW. SLOPE TOP OF SLAB PER PLAN.



LEVEL 3 LOWER FRAMING PLAN - PEDESTRIAN BRIDGE (1)

SCALE: 3/16" = 1'-0"



LEVEL 3 FRAMING PLAN - PEDESTRIAN BRIDGE (2)

SCALE: 3/16" = 1'-0"

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FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	NAS	JDA	SLR	FINAL AS-BUILT

DESIGNED BY:	N. SCHWAB
DRAWN BY:	M. AGUILING
CHECKED BY:	J. ARMENA
APPROVED BY:	S. ROBERTS

kpff

HENSEL PHELPS
Plan. Build. Manage.
kpff

LINE IS 1" AT FULL SCALE

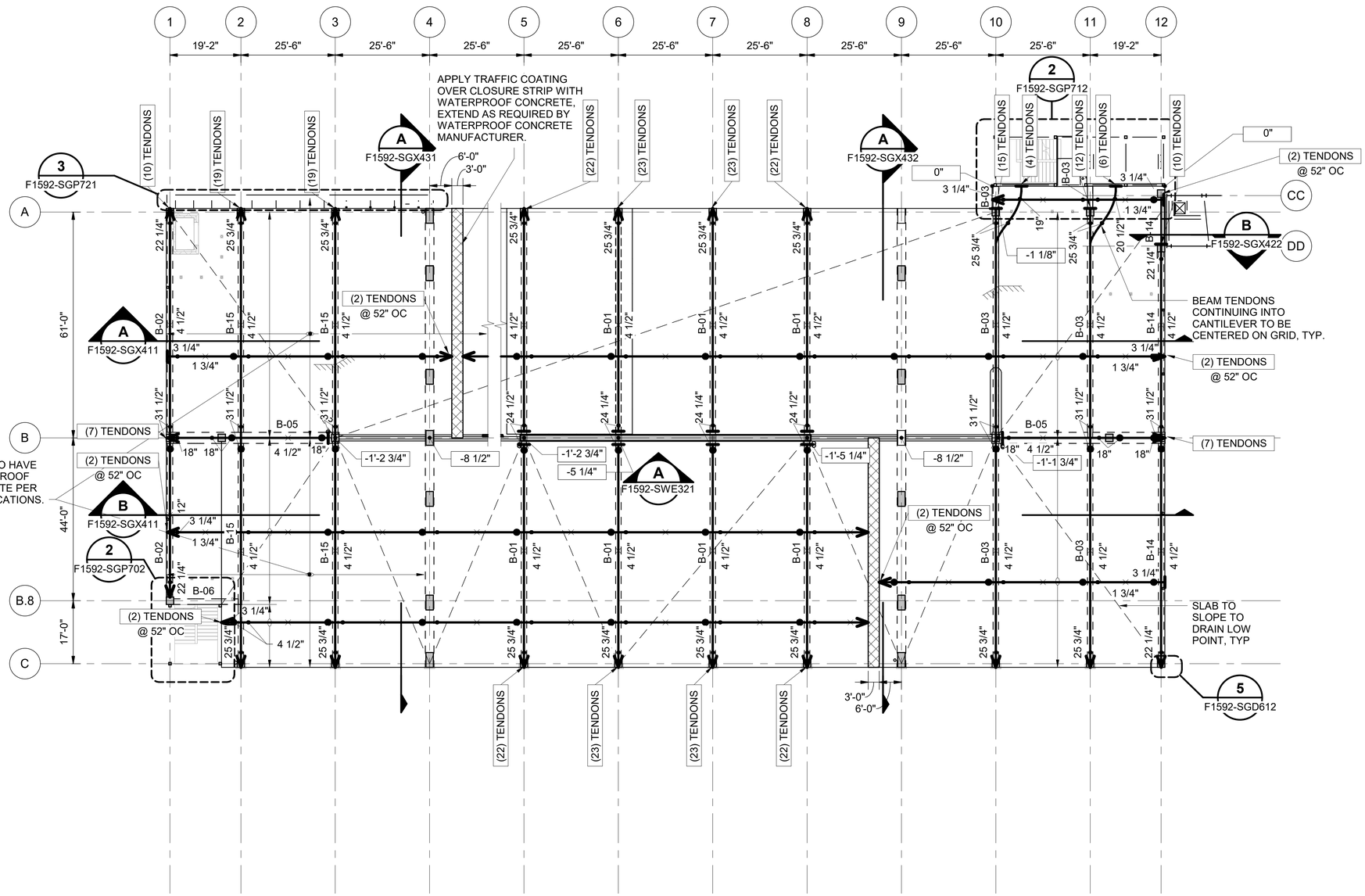
SOUNDTRANSIT

SUBMITTED BY:	DATE:	REVIEWED BY:	DATE:
SARA ROBERTS	10/26/2022	GREG SHIMIZU	10/26/2022

SCALE:	3/16" = 1'-0"
FILENAME:	S317-F1592-S_v2020
CONTRACT No.:	RTA/CN 0612-18
SUBMITTAL DATE:	10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
STRUCTURAL
BRIDGE FRAMING PLANS

DRAWING No.:	F1592-SGP303
FACILITY ID:	F1592
SHEET No:	188
REV:	0



REFERENCE DRAWINGS:

F1592-SZN001 TO F1592-SZN003	STRUCTURAL NOTES
F1592-SZN011	STRUCTURAL SYMBOLS
F1592-SGD511 TO F1592-SGD514	CONCRETE DETAILS
F1592-SGD521 TO F1592-SGD523	CONCRETE COLUMN DETAILS
F1592-SGD531	CONCRETE SHEAR WALL DETAILS
F1592-SGD541 TO F1592-SGD544	CONCRETE PT DETAILS
F1592-SGD551 TO F1592-SGD555	CONCRETE BEAM ELEVATIONS
F1592-SGD561 TO F1592-SGD563	CONCRETE BEAM DETAILS
F1592-SGD601 TO F1592-SGD619	STEEL DETAILS
F1592-SGD621 TO F1592-SGD625	BRACED FRAME DETAILS
F1592-SGD701 TO F1592-SGD702	MASONRY DETAILS
F1592-SGD821 TO F1592-SGD823	CABLE BARRIER DETAILS

NOTES:

1. SEE F1592-SGP201 FOR ADDITIONAL NOTES
2. LEVEL 4 SLABS TO HAVE WATERPROOF CONCRETE PER SPECIFICATIONS WITHIN THE EXTENT SHOWN.
3. ——●—— INDICATES TENDON PROFILE HIGH POINT MEASURED FROM BOTTOM OF THE SLAB OR BEAM. SHALL BE 5 1/4" FOR THIS LEVEL, UNO.
4. ——×—— INDICATES TENDON PROFILE LOW POINT MEASURED FROM BOTTOM OF THE SLAB OR BEAM. SHALL BE 1 1/4" FOR THIS LEVEL, UNO.
5. NP INDICATES NO PROFILE TENDON LOCATED AT DEPTH GIVEN OR AT MID-DEPTH OF BEAM OR SLAB WHERE DEPTH IS NOT SHOWN.
6. FIRST DISTRIBUTED TENDONS (CLOSEST TO SLAB EDGE) SHALL BE PLACED 12" ± 2" FROM SLAB EDGE.

N

2' 0' 8' 16' 32'

SCALE IN FEET

6/21/2022 4:47:51 PM
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FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	NAS	JDA	SLR	FINAL AS-BUILT

DESIGNED BY: N. SCHWAB
DRAWN BY: M. AGUILING
CHECKED BY: J. ARMENA
APPROVED BY: S. ROBERTS

kpff
SUBMITTED BY: SARA ROBERTS
DATE: 10/26/2022

HENSEL PHELPS
Plan. Build. Manage.
kpff
REVIEWED BY: GREG SHIMIZU
DATE: 10/26/2022

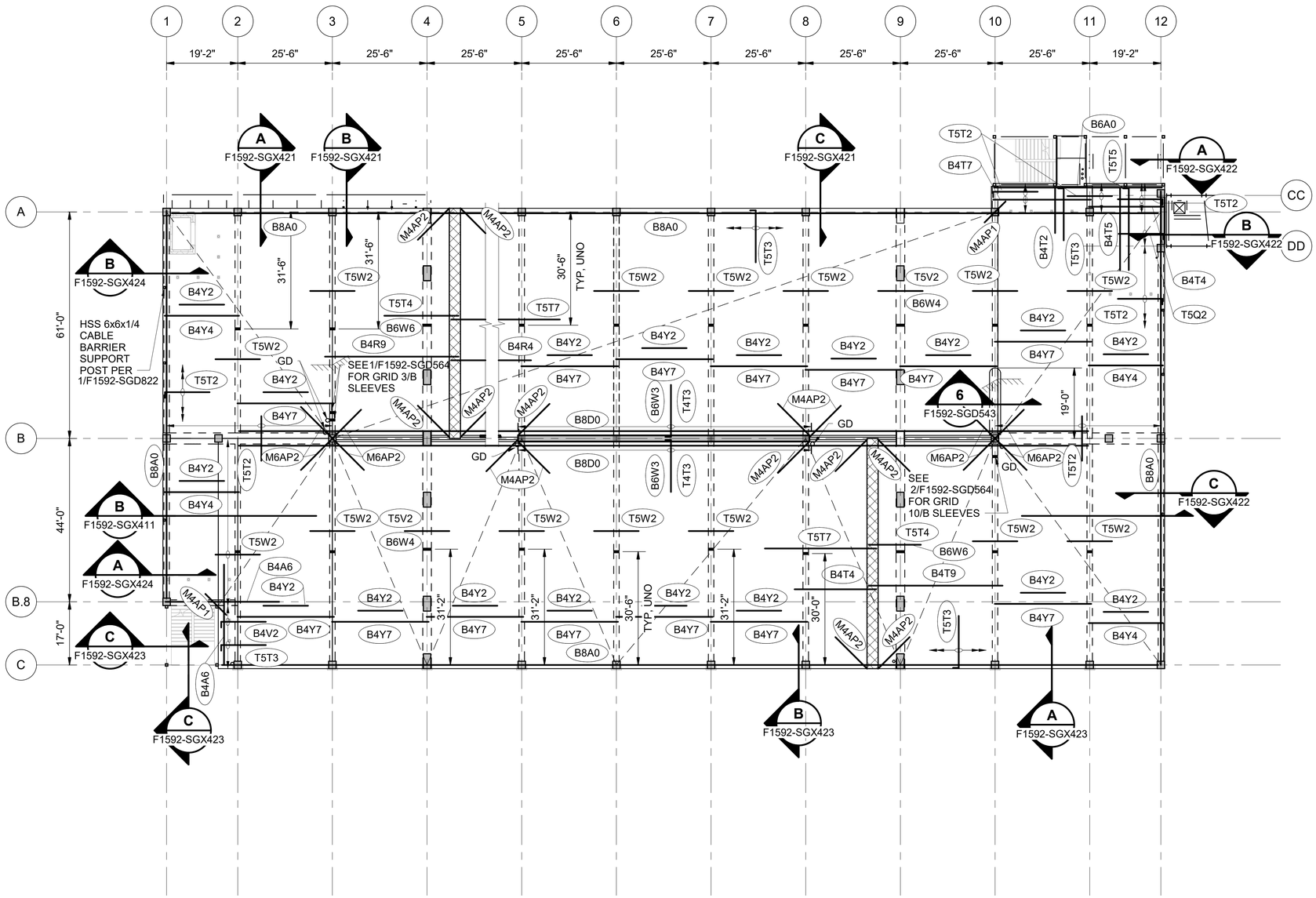
LINE IS 1" AT FULL SCALE

SOUNDTRANSIT

SCALE: 1/16" = 1'-0"
FILENAME: S317-F1592-S_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
STRUCTURAL
FRAMING PLAN - LEVEL 4

DRAWING No.: F1592-SGP401
FACILITY ID: F1592
SHEET No.: 189
REV.: 0



REFERENCE DRAWINGS:

F1592-SZN001 TO F1592-SZN003	STRUCTURAL NOTES
F1592-SZN011	STRUCTURAL SYMBOLS
F1592-SGD511 TO F1592-SGD514	CONCRETE DETAILS
F1592-SGD521 TO F1592-SGD523	CONCRETE COLUMN DETAILS
F1592-SGD531	CONCRETE SHEAR WALL DETAILS
F1592-SGD541 TO F1592-SGD544	CONCRETE PT DETAILS
F1592-SGD551 TO F1592-SGD555	CONCRETE BEAM ELEVATIONS
F1592-SGD561 TO F1592-SGD563	CONCRETE BEAM DETAILS
F1592-SGD601 TO F1592-SGD619	STEEL DETAILS
F1592-SGD621 TO F1592-SGD625	BRACED FRAME DETAILS
F1592-SGD701 TO F1592-SGD702	MASONRY DETAILS
F1592-SGD821 TO F1592-SGD823	CABLE BARRIER DETAILS

NOTES:

1. SEE F1592-SGP201 FOR NOTES
2. ALL LEVEL 5 SLABS TO HAVE HYDROPHOBIC CONCRETE PER SPECIFICATIONS.
3. SEE TYPICAL PT DETAILS FOR TEMPERATURE & SHRINKAGE STEEL REQUIREMENTS
4. INDICATES BEAM SLEEVE SEE 4/F1592-SGD564

REINFORCING SCHEDULE

MARK	QUANTITY	MARK	SPACING
--A-	(4)	--N-	@ 4" OC
--B-	(6)	--P-	@ 6" OC
--C-	(8)	--Q-	@ 8" OC
--D-	(10)	--R-	@ 9" OC
--E-	(12)	--S-	@ 10" OC
--F-	(14)	--T-	@ 12" OC
--G-	(16)	--U-	@ 14" OC
--H-	(18)	--V-	@ 16" OC
--J-	(20)	--W-	@ 18" OC
--K-	(24)	--X-	@ 20" OC
--L-	(28)	--Y-	@ 24" OC
--M-	@ 3" OC	--Z-	@ 36" OC

BAR SIZE:
4 = #4
5 = #5
6 = #6
7 = #7
8 = #8
9 = #9
10 = #10
11 = #11

BAR QUANTITY OR SPACING PER REINFORCING SCHEDULE; TWO LETTERS INDICATE BAR QUANTITY AND SPACING

BAR POSITION:
T = TOP
B = BOT
M = MID

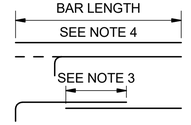
BAR LENGTH:
1 = 8'-0"
2 = 12'-0"
3 = 14'-0"
4 = 20'-0"
5 = 22'-0"
6 = 24'-0"
7 = 26'-0"
8 = 30'-0"
9 = 36'-0"
0 = PER PLAN

EXAMPLES:

T4A2 = (4) #4x12'-0" TOP REINFORCEMENT

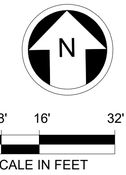
B6N4 = #6x20'-0" BOTTOM REINFORCEMENT, SPACED AT 4" OC

B5CR5 = (8) #5 x 22'-0" BOTTOM REINFORCEMENT, SPACED AT 9" OC



REINFORCING NOTES:

1. BARS ARE HOOKED ONE OR BOTH ENDS, OR STRAIGHT PER PLAN.
2. DISTRIBUTED BARS SHOWN ON PLAN WITHOUT EXTENT LINES SHALL EXTEND ACROSS FULL BAY BETWEEN GRIDS. ALL OTHER BARS ARE IN ADDITION TO DISTRIBUTED BARS, UNO.
3. BARS MAY BE SPLICED AT CONTRACTOR'S OPTION. SEE BAR SPLICE AND DEVELOPMENT SCHEDULE.
4. BAR LENGTH LISTED IN TAG INCLUDES STANDARD HOOK LENGTH.



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FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	NAS	JDA	SLR	FINAL AS-BUILT

DESIGNED BY: N. SCHWAB
DRAWN BY: M. AGUILING
CHECKED BY: J. ARMENA
APPROVED BY: S. ROBERTS

kpff

HENSEL PHELPS
Plan. Build. Manage.
kpff

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT

SUBMITTED BY: SARA ROBERTS
DATE: 10/26/2022
REVIEWED BY: GREG SHIMIZU
DATE: 10/26/2022

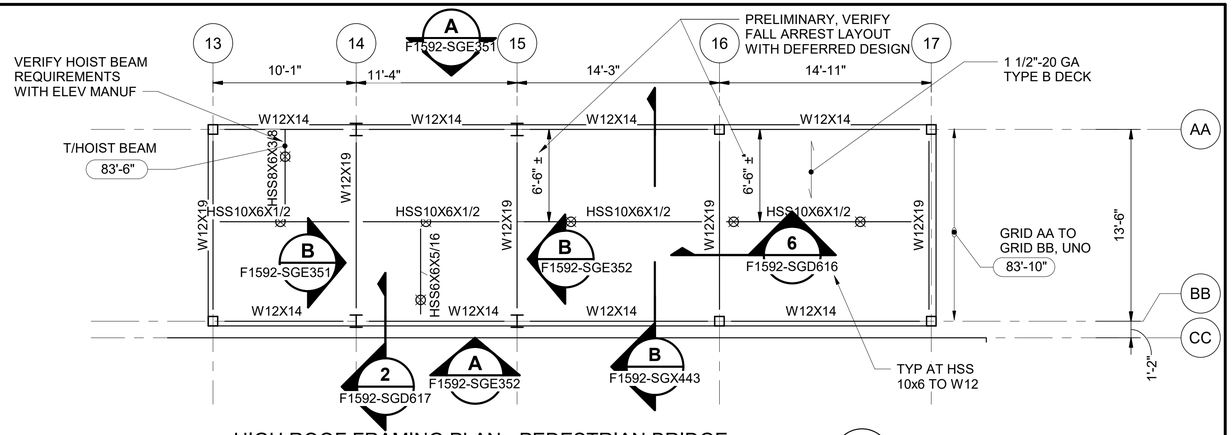
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FILENAME: S317-F1592-S_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
STRUCTURAL
REINFORCING PLAN - LEVEL 4

DRAWING No.: F1592-SGP402
FACILITY ID: F1592
SHEET No.: 190
REV.: 0

ROOF FRAMING PLAN NOTES:

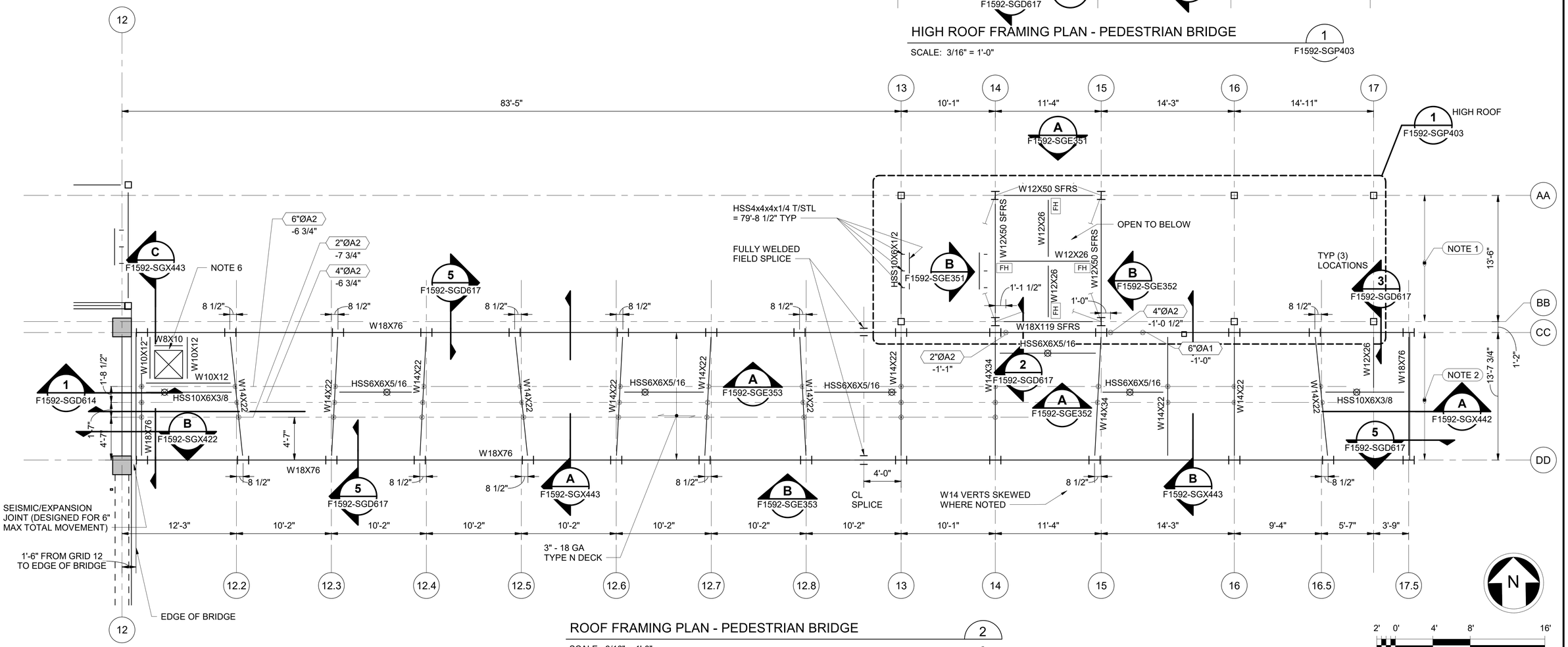
1. STAIR TOWER TOP OF STEEL ELEVATION BETWEEN GRIDS BB AND CC SHALL BE 80'-2" THIS LEVEL, UNO.
2. BRIDGE TOP OF STEEL ELEVATION BETWEEN GRIDS CC AND DD SHALL BE 78'-5" THIS LEVEL, UNO. PROVIDE CAMBER OVER BRIDGE SPAN PER SHEET F1592-SGD353.
3. BF INDICATES BRACED FRAME PER ELEVATION.
4. ——→ INDICATES BOTTOM FLANGE BRACE.
5. ⊗ INDICATES BIDDER-DESIGNED FALL PROTECTION ANCHOR.
6. ROOF HATCH OPENING. SEE 1/F1592-SGD620



HIGH ROOF FRAMING PLAN - PEDESTRIAN BRIDGE

SCALE: 3/16" = 1'-0"

1 F1592-SGP403



ROOF FRAMING PLAN - PEDESTRIAN BRIDGE

SCALE: 3/16" = 1'-0"

2

2' 0' 4' 8' 16'

SCALE IN FEET

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FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	NAS	JDA	SLR	FINAL AS-BUILT

DESIGNED BY: N. SCHWAB
DRAWN BY: M. AGUILING
CHECKED BY: J. ARMENA
APPROVED BY: S. ROBERTS

kpff

HENSEL PHELPS Plan. Build. Manage.
kpff

LINE IS 1" AT FULL SCALE

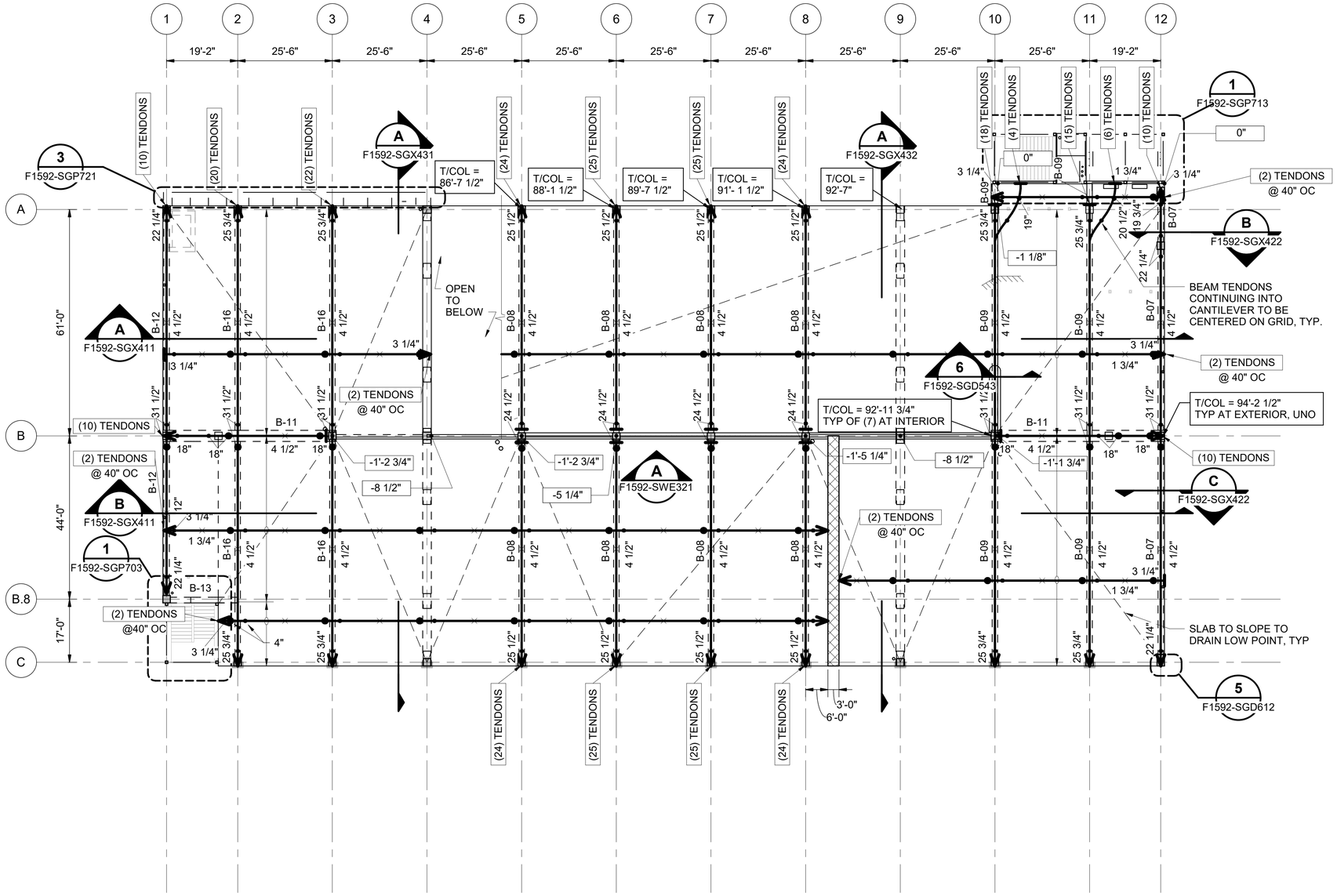
SUBMITTED BY: SARA ROBERTS
DATE: 10/26/2022
REVIEWED BY: GREG SHIMIZU
DATE: 10/26/2022

SOUNDTRANSIT

SCALE: 3/16" = 1'-0"
FILENAME: S317-F1592-S_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
STRUCTURAL
BRIDGE FRAMING PLANS

DRAWING No.: F1592-SGP403
FACILITY ID: F1592
SHEET No.: 191
REV.: 0



REFERENCE DRAWINGS:

F1592-SZN001 TO F1592-SZN003	STRUCTURAL NOTES
F1592-SZN011	STRUCTURAL SYMBOLS
F1592-SGD511 TO F1592-SGD514	CONCRETE DETAILS
F1592-SGD521 TO F1592-SGD523	CONCRETE COLUMN DETAILS
F1592-SGD531	CONCRETE SHEAR WALL DETAILS
F1592-SGD541 TO F1592-SGD544	CONCRETE PT DETAILS
F1592-SGD551 TO F1592-SGD555	CONCRETE BEAM ELEVATIONS
F1592-SGD561 TO F1592-SGD563	CONCRETE BEAM DETAILS
F1592-SGD601 TO F1592-SGD619	STEEL DETAILS
F1592-SGD621 TO F1592-SGD625	BRACED FRAME DETAILS
F1592-SGD701 TO F1592-SGD702	MASONRY DETAILS
F1592-SGD821 TO F1592-SGD823	CABLE BARRIER DETAILS

NOTES:

1. SEE F1592-SGP201 FOR ADDITIONAL NOTES
2. ALL LEVEL 5 SLABS TO HAVE HYDROPHOBIC CONCRETE PER SPECIFICATIONS.
3. ——●—— INDICATES TENDON PROFILE HIGH POINT MEASURED FROM BOTTOM OF THE SLAB OR BEAM. SHALL BE 5 1/4" FOR THIS LEVEL, UNO.
4. ——×—— INDICATES TENDON PROFILE LOW POINT MEASURED FROM BOTTOM OF THE SLAB OR BEAM. SHALL BE 1 1/4" FOR THIS LEVEL, UNO.
5. NP INDICATES NO PROFILE TENDON LOCATED AT DEPTH GIVEN OR AT MID-DEPTH OF BEAM OR SLAB WHERE DEPTH IS NOT SHOWN.
6. FIRST DISTRIBUTED TENDONS (CLOSEST TO SLAB EDGE) SHALL BE PLACED 12" ± 2" FROM SLAB EDGE.

N

2' 0' 8' 16' 32'

SCALE IN FEET

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	NAS	JDA	SLR	FINAL AS-BUILT

DESIGNED BY: N. SCHWAB
DRAWN BY: M. AGUILING
CHECKED BY: J. ARMENA
APPROVED BY: S. ROBERTS

kpff — SUBMITTED BY: SARA ROBERTS — DATE: 10/26/2022

HENSEL PHELPS Plan. Build. Manage. kpff — REVIEWED BY: GREG SHIMIZU — DATE: 10/26/2022

LINE IS 1" AT FULL SCALE

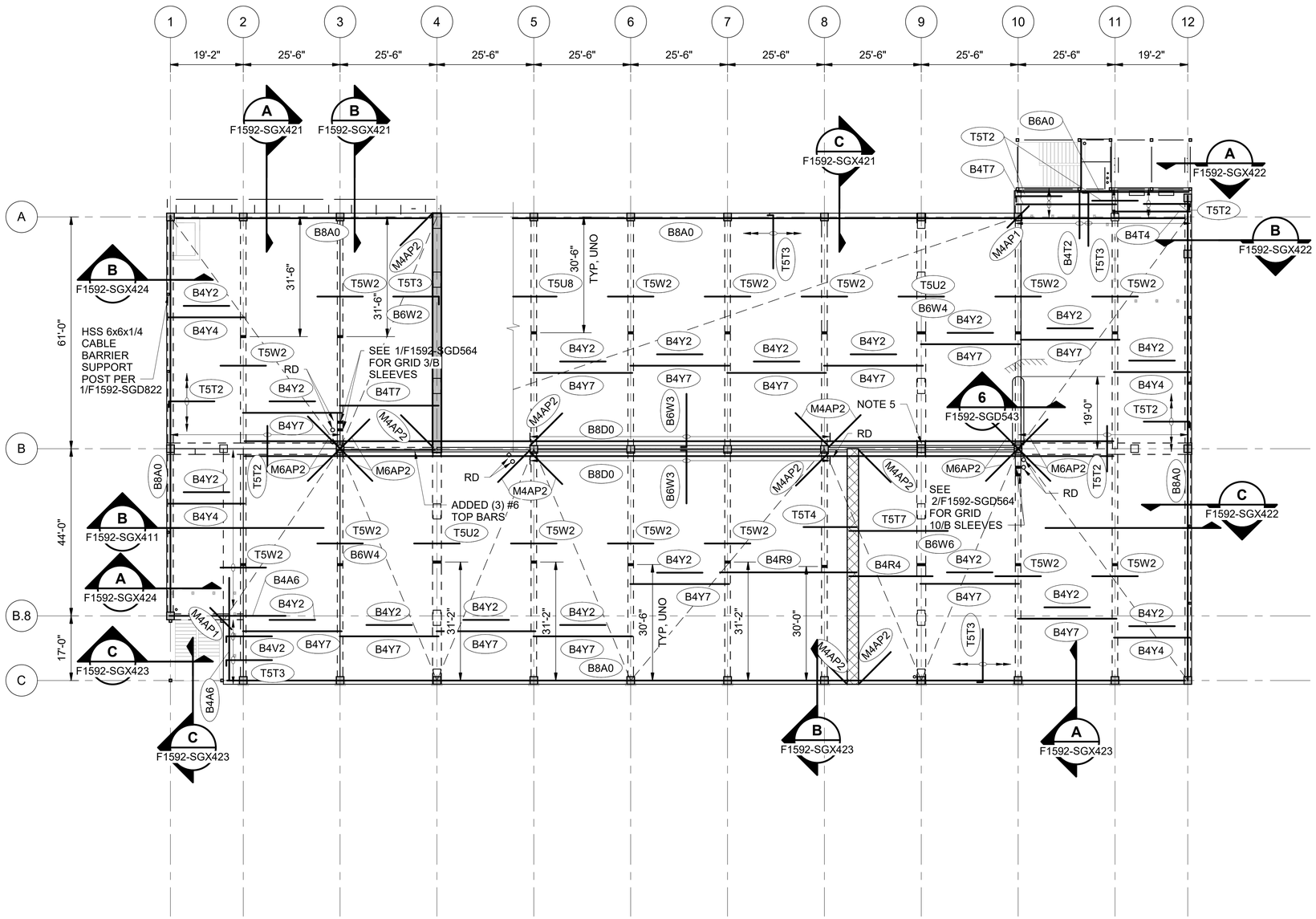
SOUNDTRANSIT — SUBMITTAL DATE: 10/26/2022

SCALE: 1/16" = 1'-0"
FILENAME: S317-F1592-S_v2020
CONTRACT No.: RTA/CN 0612-18

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
STRUCTURAL
FRAMING PLAN - LEVEL 5

DRAWING No.: F1592-SGP501
FACILITY ID: F1592
SHEET No.: 192
REV.: 0

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REFERENCE DRAWINGS:

F1592-SZN001 TO F1592-SZN003	STRUCTURAL NOTES
F1592-SZN011	STRUCTURAL SYMBOLS
F1592-SGD511 TO F1592-SGD514	CONCRETE DETAILS
F1592-SGD521 TO F1592-SGD523	CONCRETE COLUMN DETAILS
F1592-SGD531	CONCRETE SHEAR WALL DETAILS
F1592-SGD541 TO F1592-SGD544	CONCRETE PT DETAILS
F1592-SGD551 TO F1592-SGD555	CONCRETE BEAM ELEVATIONS
F1592-SGD561 TO F1592-SGD563	CONCRETE BEAM DETAILS
F1592-SGD601 TO F1592-SGD619	STEEL DETAILS
F1592-SGD621 TO F1592-SGD625	BRACED FRAME DETAILS
F1592-SGD701 TO F1592-SGD702	MASONRY DETAILS
F1592-SGD821 TO F1592-SGD823	CABLE BARRIER DETAILS

NOTES:

1. SEE F1592-SGP201 FOR NOTES
2. ALL LEVEL 5 SLABS TO HAVE HYDROPHOBIC CONCRETE PER SPECIFICATIONS.
3. SEE TYPICAL PT DETAILS FOR TEMPERATURE & SHRINKAGE STEEL REQUIREMENTS
4. INDICATES BEAM SLEEVE SEE 4/F1592-SGD564
5. PROVIDE LAPPED VERTICAL BARS FOR ALL (12) COLUMN EXTENSION VERTICAL BARS WITH MINIMUM LAP LENGTHS PER NOTE 10 ON 5/F1592-SGD521, AND ADDITIONAL TIES/STIRRUPS AS NEEDED TO ACHIEVE THE FULL HEIGHT OF COLUMN EXTENSION. LAPPED BARS SHALL MATCH SIZE AND TYPE OF COLUMN VERTICAL BARS. COORDINATE LOCATION OF LAPPED VERTICAL BARS WITH LIGHT POLE ANCHOR BOLTS. LOCATE U-BARS AND TIES/STIRRUPS AT THE TOP OF COLUMN EXTENSION PER 1/F1592-SGD522.

REINFORCING SCHEDULE

MARK	QUANTITY	MARK	SPACING
--A-	(4)	--N-	@ 4" OC
--B-	(6)	--P-	@ 6" OC
--C-	(8)	--Q-	@ 8" OC
--D-	(10)	--R-	@ 9" OC
--E-	(12)	--S-	@ 10" OC
--F-	(14)	--T-	@ 12" OC
--G-	(16)	--U-	@ 14" OC
--H-	(18)	--V-	@ 16" OC
--J-	(20)	--W-	@ 18" OC
--K-	(24)	--X-	@ 20" OC
--L-	(28)	--Y-	@ 24" OC
--M-	@ 3" OC	--Z-	@ 36" OC

BAR SIZE:
4 = #4
5 = #5
6 = #6
7 = #7
8 = #8
9 = #9
10 = #10
11 = #11

BAR QUANTITY OR SPACING PER REINFORCING SCHEDULE; TWO LETTERS INDICATE BAR QUANTITY AND SPACING

BAR POSITION:
T = TOP
B = BOT
M = MID

BAR LENGTH:
1 = 8'-0"
2 = 12'-0"
3 = 14'-0"
4 = 20'-0"
5 = 22'-0"
6 = 24'-0"
7 = 26'-0"
8 = 30'-0"
9 = 36'-0"
0 = PER PLAN

EXAMPLES:

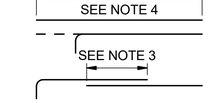
T4A2 = (4) #4x12'-0" TOP REINFORCEMENT

B6N4 = #6x20'-0" BOTTOM REINFORCEMENT, SPACED AT 4" OC

B5CR5 = (8) #5 x 22'-0" BOTTOM REINFORCEMENT, SPACED AT 9" OC

REINFORCING NOTES:

1. BARS ARE HOOKED ONE OR BOTH ENDS, OR STRAIGHT PER PLAN.
2. DISTRIBUTED BARS SHOWN ON PLAN WITHOUT EXTENT LINES SHALL EXTEND ACROSS FULL BAY BETWEEN GRIDS. ALL OTHER BARS ARE IN ADDITION TO DISTRIBUTED BARS, UNO.
3. BARS MAY BE SPLICED AT CONTRACTOR'S OPTION. SEE BAR SPLICE AND DEVELOPMENT SCHEDULE.
4. BAR LENGTH LISTED IN TAG INCLUDES STANDARD HOOK LENGTH.





2' 0' 8' 16' 32'
SCALE IN FEET

6/21/2022 4:48:01 PM
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FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	NAS	JDA	SLR	FINAL AS-BUILT

DESIGNED BY: N. SCHWAB
DRAWN BY: M. AGUILING
CHECKED BY: J. ARMENA
APPROVED BY: S. ROBERTS

kpff
SUBMITTED BY: SARA ROBERTS
DATE: 10/26/2022

HENSEL PHELPS
Plan. Build. Manage.
kpff
REVIEWED BY: GREG SHIMIZU
DATE: 10/26/2022

LINE IS 1" AT FULL SCALE

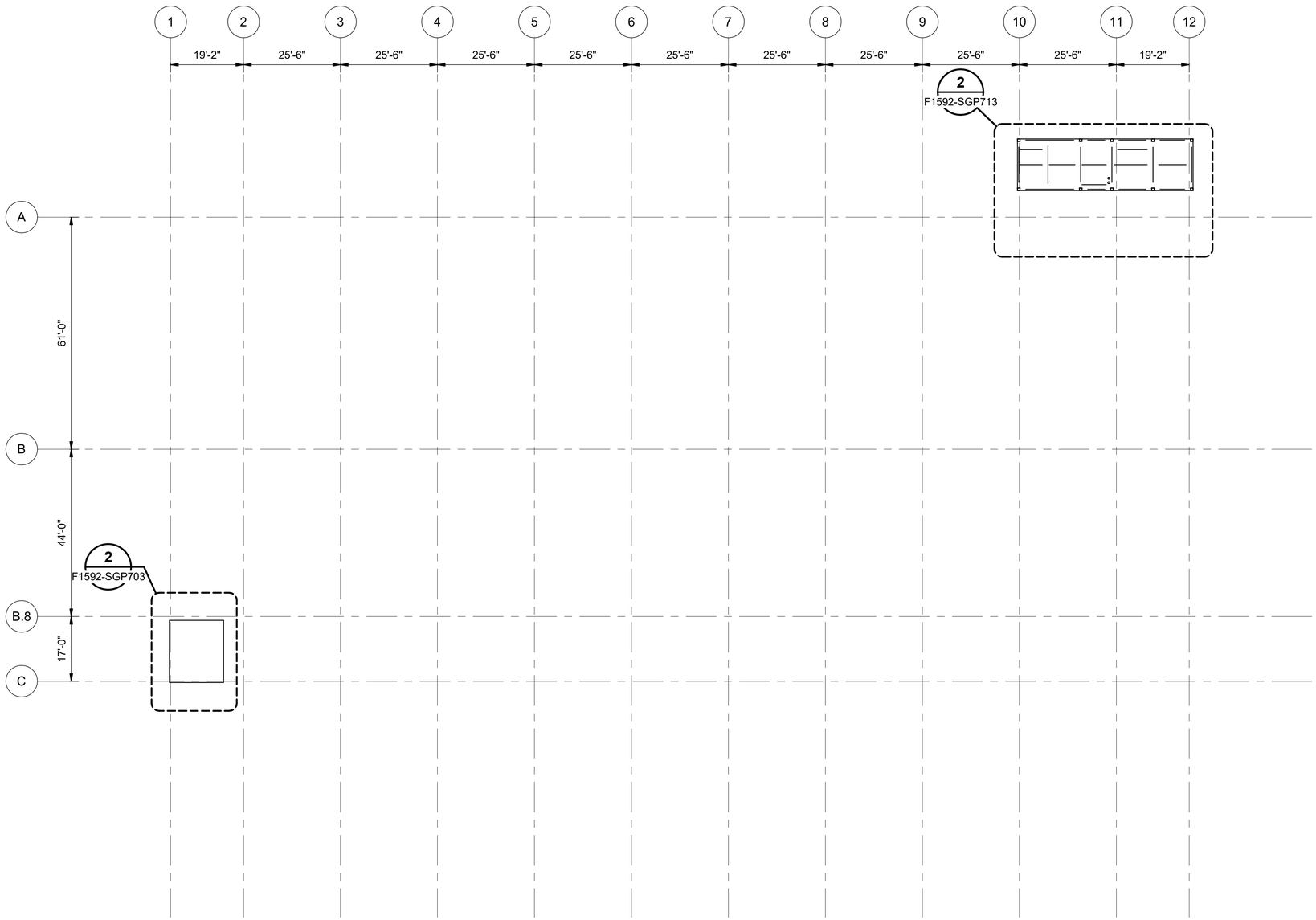
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SCALE: 1/16" = 1'-0"
FILENAME: S317-F1592-S_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
STRUCTURAL
REINFORCING PLAN - LEVEL 5

DRAWING No.: F1592-SGP502
FACILITY ID: F1592
SHEET No.: 193
REV: 0

REFERENCE DRAWINGS:

F1592-SZN001 TO F1592-SZN003	STRUCTURAL NOTES
F1592-SZN011	STRUCTURAL SYMBOLS
F1592-SGD511 TO F1592-SGD514	CONCRETE DETAILS
F1592-SGD521 TO F1592-SGD523	CONCRETE COLUMN DETAILS
F1592-SGD531	CONCRETE SHEAR WALL DETAILS
F1592-SGD541 TO F1592-SGD544	CONCRETE PT DETAILS
F1592-SGD551 TO F1592-SGD555	CONCRETE BEAM ELEVATIONS
F1592-SGD561 TO F1592-SGD563	CONCRETE BEAM DETAILS
F1592-SGD601 TO F1592-SGD619	STEEL DETAILS
F1592-SGD621 TO F1592-SGD625	BRACED FRAME DETAILS
F1592-SGD701 TO F1592-SGD702	MASONRY DETAILS
F1592-SGD821 TO F1592-SGD823	CABLE BARRIER DETAILS



N

2' 0' 8' 16' 32'

SCALE IN FEET

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	NAS	JDA	SLR	FINAL AS-BUILT

DESIGNED BY: N. SCHWAB
DRAWN BY: M. AGUILING
CHECKED BY: J. ARMENA
APPROVED BY: S. ROBERTS

kpff

HENSEL PHELPS
Plan. Build. Manage.
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LINE IS 1" AT FULL SCALE

SOUNDTRANSIT

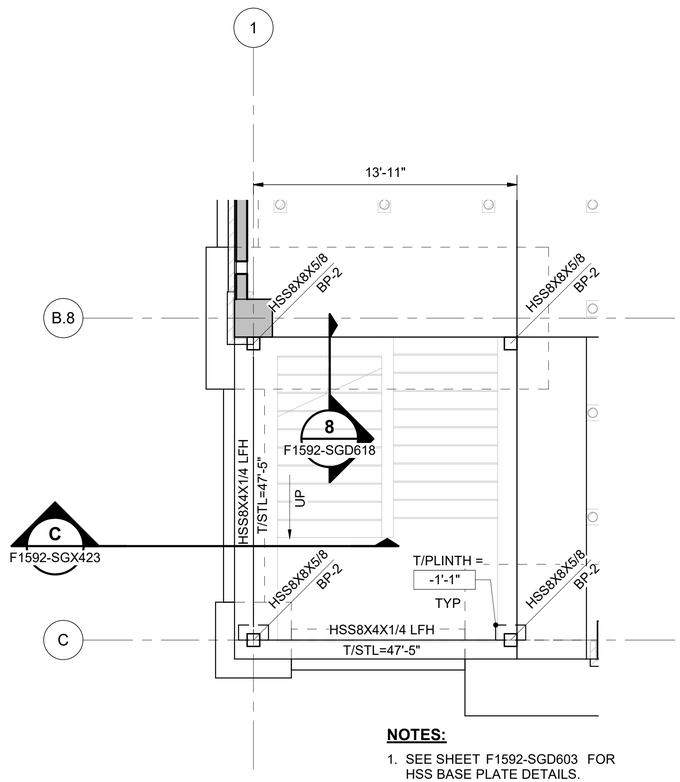
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FILENAME: S317-F1592-S_v2020
CONTRACT No.: RTA/CN 0612-18

SUBMITTED BY: SARA ROBERTS
DATE: 10/26/2022
REVIEWED BY: GREG SHIMIZU
DATE: 10/26/2022
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
STRUCTURAL
FRAMING PLAN - ROOF

DRAWING No.: **F1592-SGP601**
FACILITY ID: F1592
SHEET No: 194
REV: 0

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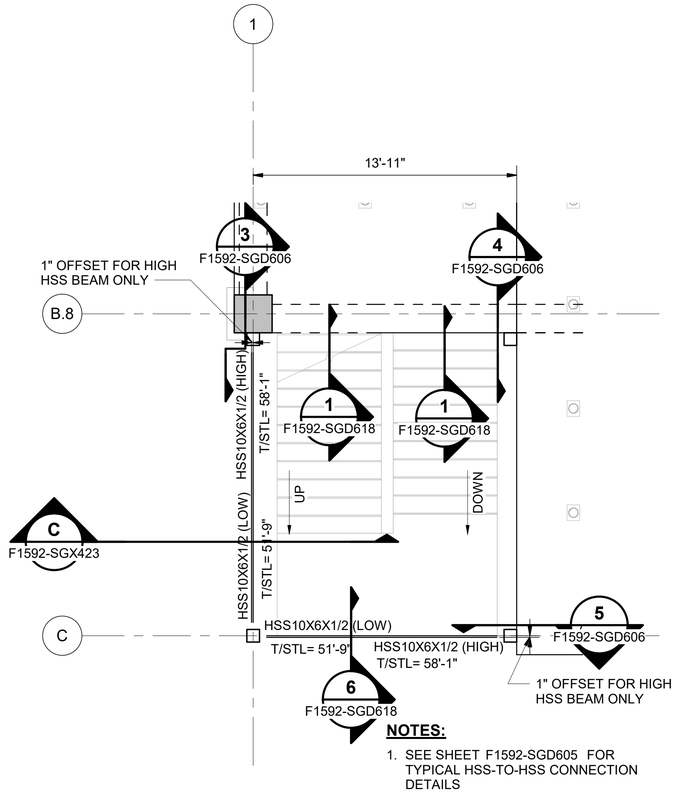


NOTES:

1. SEE SHEET F1592-SGD603 FOR HSS BASE PLATE DETAILS.

PARTIAL PLAN - STAIR LEVEL 1 (1 / F1592-SGP101)

SCALE: 1/4" = 1'-0"



NOTES:

1. SEE SHEET F1592-SGD605 FOR TYPICAL HSS-TO-HSS CONNECTION DETAILS

PARTIAL PLAN - STAIR LEVEL 2 (2 / F1592-SGP201)

SCALE: 1/4" = 1'-0"

N

1' 0 2' 4' 8'

SCALE IN FEET

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FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	NAS	JDA	SLR	FINAL AS-BUILT

DESIGNED BY: N. SCHWAB
DRAWN BY: M. AGUILING
CHECKED BY: J. ARMENA
APPROVED BY: S. ROBERTS

kpff — SUBMITTED BY: SARA ROBERTS — DATE: 10/26/2022

HENSEL PHELPS Plan. Build. Manage. kpff — REVIEWED BY: GREG SHIMIZU — DATE: 10/26/2022

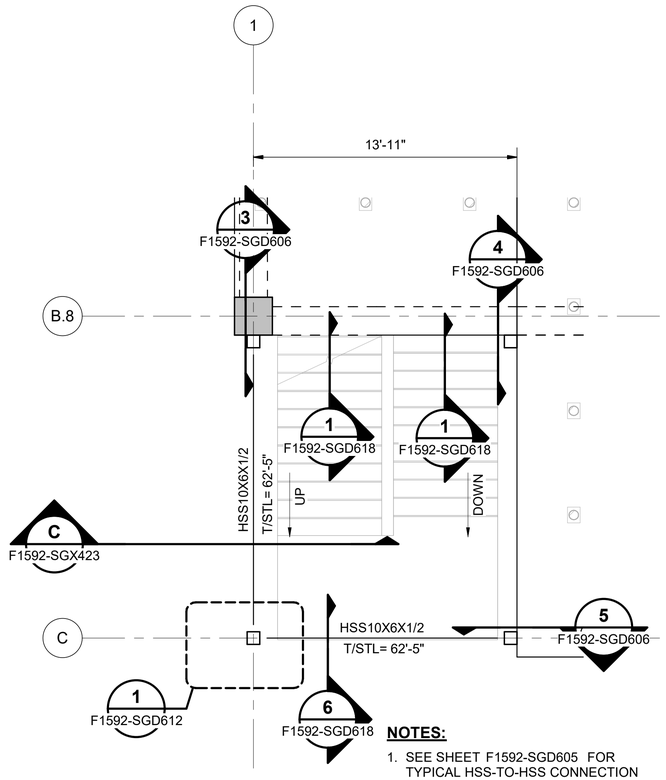
LINE IS 1" AT FULL SCALE

SOUNDTRANSIT — SUBMITTAL DATE: 10/26/2022

SCALE: 1/4" = 1'-0"
FILENAME: S317-F1592-S_v2020
CONTRACT No.: RTA/CN 0612-18

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
STRUCTURAL
ENLARGED STAIR PLANS

DRAWING No.: F1592-SGP701
FACILITY ID: F1592
SHEET No.: 195
REV.: 0

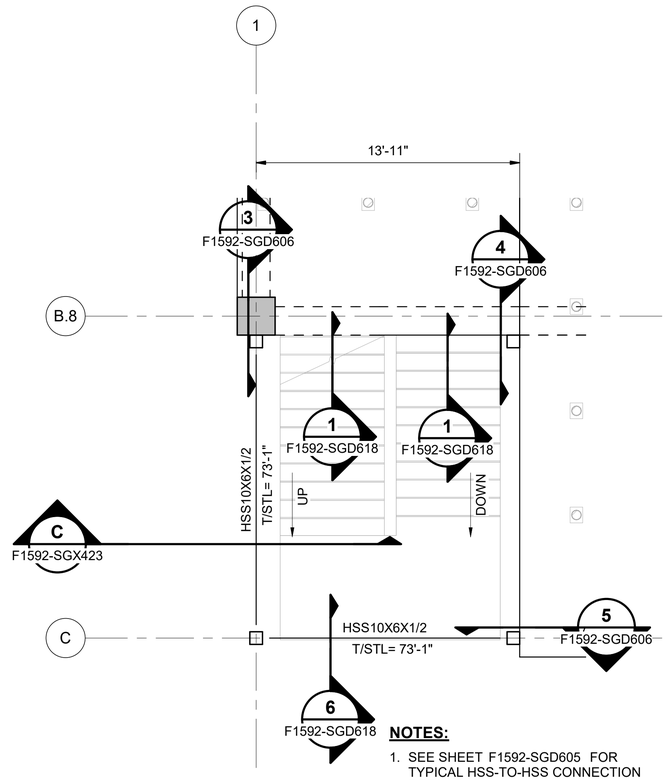


NOTES:

1. SEE SHEET F1592-SGD605 FOR TYPICAL HSS-TO-HSS CONNECTION DETAILS

PARTIAL PLAN - STAIR LEVEL 3 (1 / F1592-SGP301)

SCALE: 1/4" = 1'-0"



NOTES:

1. SEE SHEET F1592-SGD605 FOR TYPICAL HSS-TO-HSS CONNECTION DETAILS

PARTIAL PLAN - STAIR LEVEL 4 (2 / F1592-SGP401)

SCALE: 1/4" = 1'-0"

N

1' 0 2' 4' 8'

SCALE IN FEET

6/21/2022 4:48:06 PM
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FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	NAS	JDA	SLR	FINAL AS-BUILT

DESIGNED BY: N. SCHWAB
DRAWN BY: M. AGUILING
CHECKED BY: J. ARMENA
APPROVED BY: S. ROBERTS

kpff

HENSEL PHELPS Plan. Build. Manage.

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LINE IS 1" AT FULL SCALE

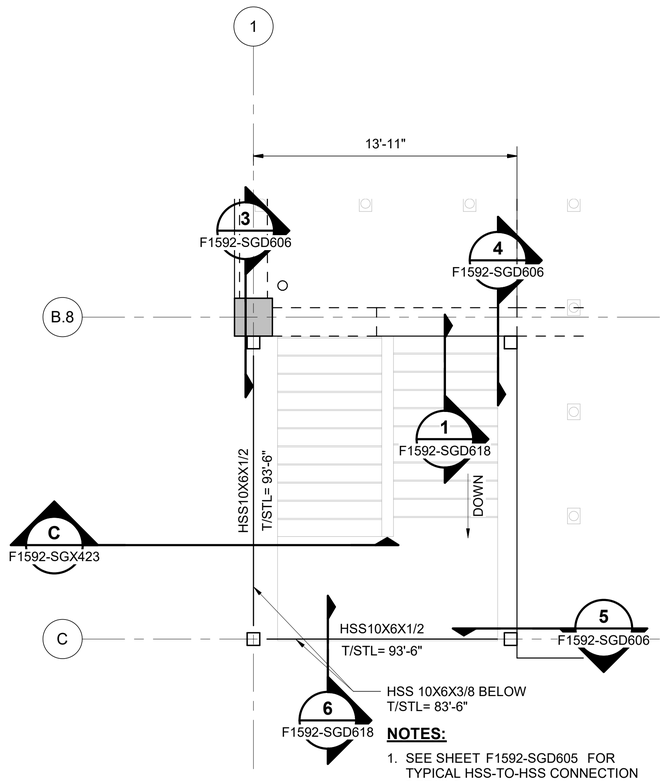
SOUNDTRANSIT

SUBMITTED BY: SARA ROBERTS
DATE: 10/26/2022
REVIEWED BY: GREG SHIMIZU
DATE: 10/26/2022

SCALE: 1/4" = 1'-0"
FILENAME: S317-F1592-S_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
STRUCTURAL
ENLARGED STAIR PLANS

DRAWING No.: F1592-SGP702
FACILITY ID: F1592
SHEET No.: 196
REV.: 0

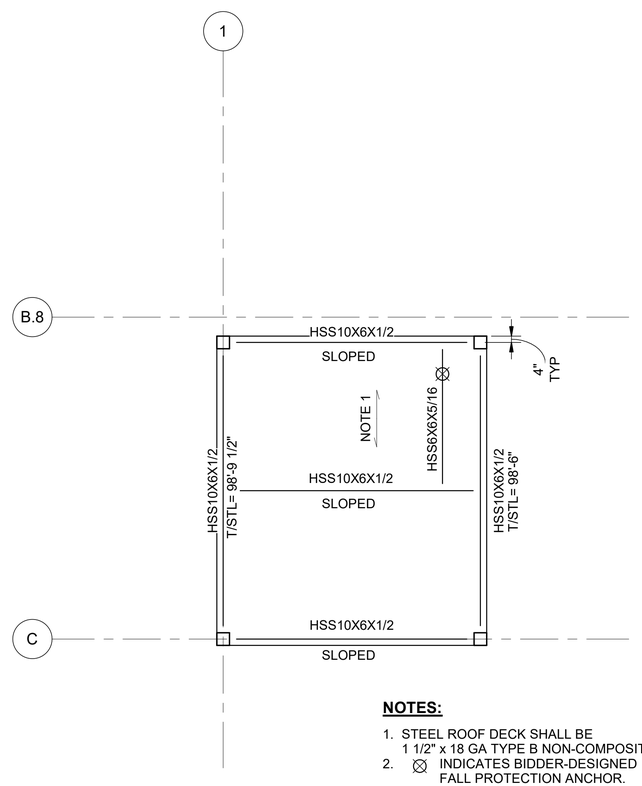


NOTES:

1. SEE SHEET F1592-SGD605 FOR TYPICAL HSS-TO-HSS CONNECTION DETAILS

PARTIAL PLAN - STAIR LEVEL 5 (1 / F1592-SGP501)

SCALE: 1/4" = 1'-0"



NOTES:

1. STEEL ROOF DECK SHALL BE 1 1/2" x 18 GA TYPE B NON-COMPOSITE
2. ⊗ INDICATES BIDDER-DESIGNED FALL PROTECTION ANCHOR.
3. SEE SHEET F1592-SGD605 FOR TYPICAL HSS-TO-HSS CONNECTION DETAILS

PARTIAL PLAN - STAIR ROOF (2 / F1592-SGP601)

SCALE: 1/4" = 1'-0"



1' 0 2' 4' 8'

SCALE IN FEET

6/21/2022 4:48:08 PM
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FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	NAS	JDA	SLR	FINAL AS-BUILT

DESIGNED BY: N. SCHWAB
DRAWN BY: M. AGUILING
CHECKED BY: J. ARMENA
APPROVED BY: S. ROBERTS

kpff

HENSEL PHELPS Plan. Build. Manage.
kpff

LINE IS 1" AT FULL SCALE

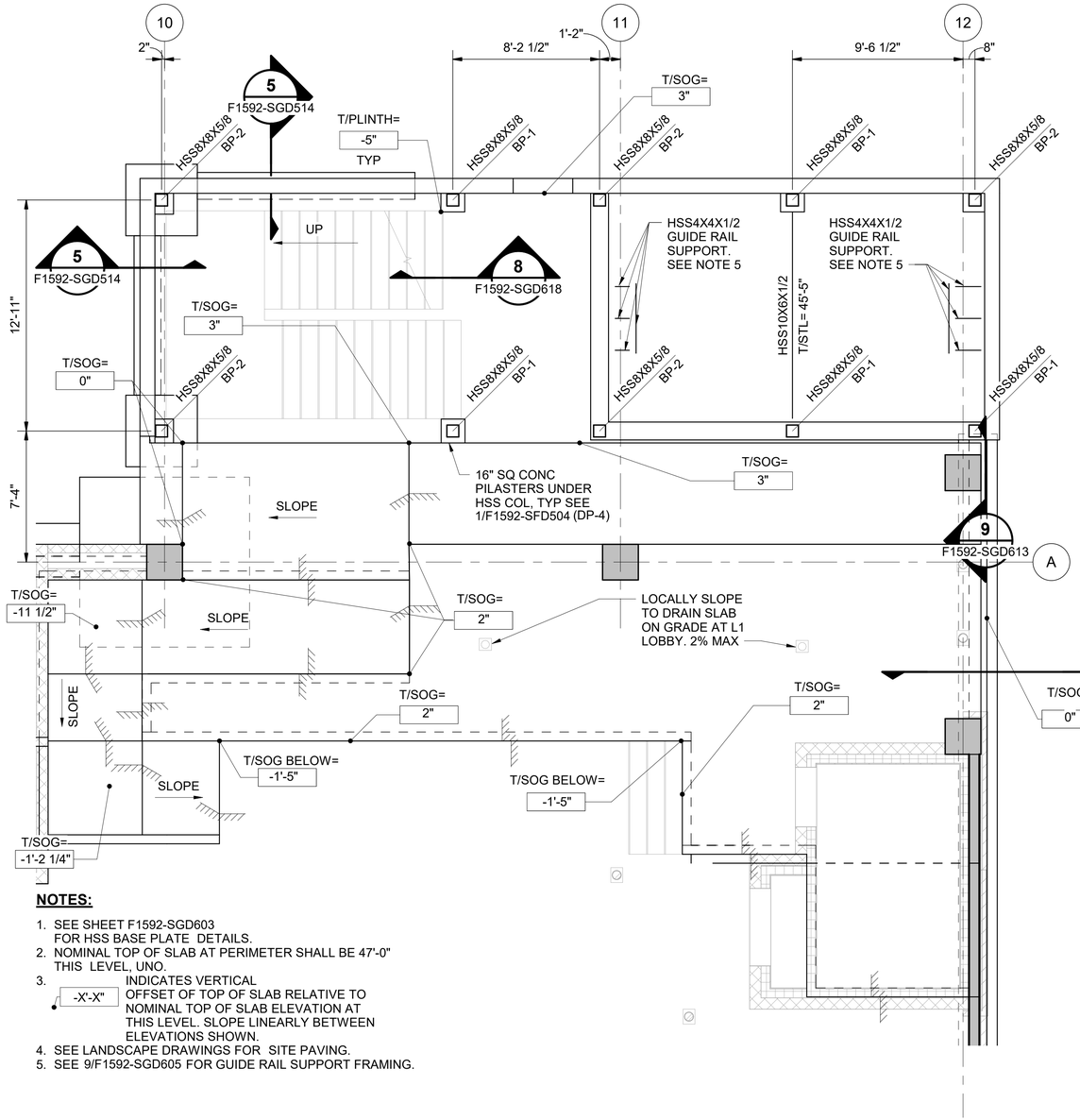
SOUNDTRANSIT

SUBMITTED BY: SARA ROBERTS
DATE: 10/26/2022
REVIEWED BY: GREG SHIMIZU
DATE: 10/26/2022

SCALE: 1/4" = 1'-0"
FILENAME: S317-F1592-S_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
STRUCTURAL
ENLARGED STAIR PLANS

DRAWING No.: F1592-SGP703
FACILITY ID: F1592
SHEET No.: 197
REV.: 0

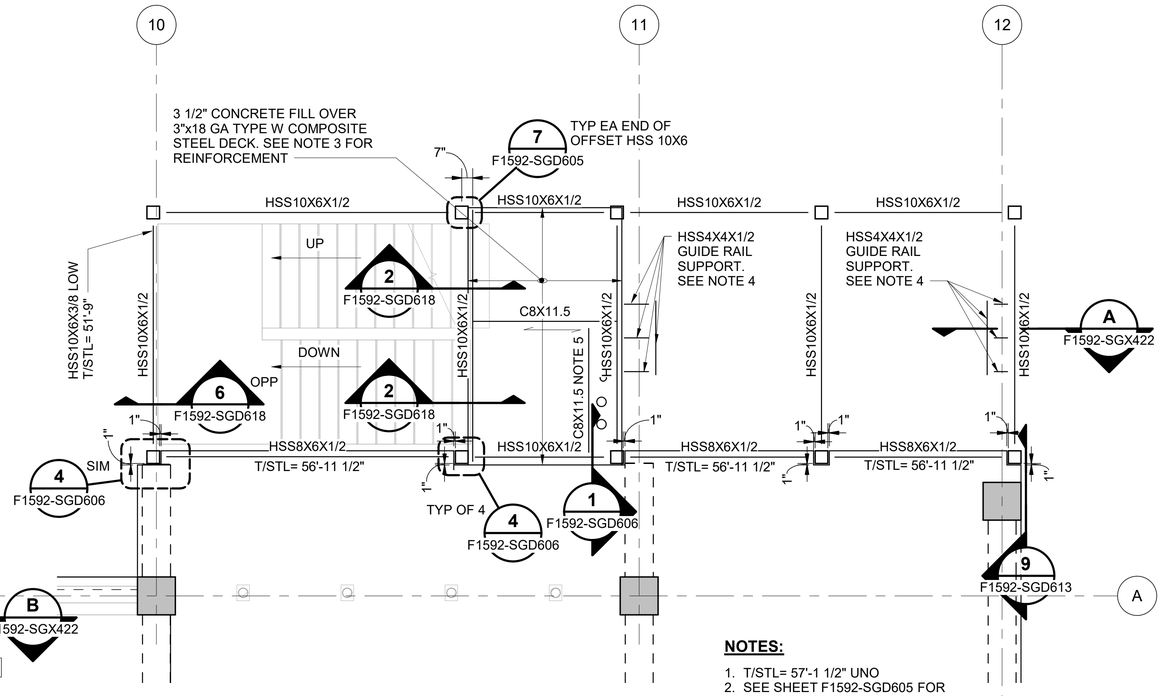


NOTES:

1. SEE SHEET F1592-SGD603 FOR HSS BASE PLATE DETAILS.
2. NOMINAL TOP OF SLAB AT PERIMETER SHALL BE 47'-0" THIS LEVEL, UNO.
3. -X'-X" INDICATES VERTICAL OFFSET OF TOP OF SLAB RELATIVE TO NOMINAL TOP OF SLAB ELEVATION AT THIS LEVEL. SLOPE LINEARLY BETWEEN ELEVATIONS SHOWN.
4. SEE LANDSCAPE DRAWINGS FOR SITE PAVING.
5. SEE 9/F1592-SGD605 FOR GUIDE RAIL SUPPORT FRAMING.

PARTIAL PLAN - STAIR/ELEVATOR LEVEL 1 — 1 / F1592-SGP101

SCALE: 1/4" = 1'-0"



NOTES:

1. T/STL= 57'-1 1/2" UNO
2. SEE SHEET F1592-SGD605 FOR TYPICAL HSS-TO-HSS CONNECTION DETAILS
3. SEE DETAIL 4/F1592-SGD602 FOR TYPICAL LANDING CONCRETE FILL ON METAL DECK REINFORCEMENT
4. SEE 8/F1592-SGD605 FOR GUIDE RAIL SUPPORT FRAMING.
5. HAVE A 2" LONG 1/4" FILLET WELD EACH SIDE OF CHANNEL TOP FLANGE TO BOTTOM OF LOW FLUTE (AT EACH LOW FLUTE).

PARTIAL PLAN - STAIR/ELEVATOR LEVEL 2 — 2 / F1592-SGP201

SCALE: 1/4" = 1'-0"

N

1' 0 2' 4' 8'

SCALE IN FEET

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FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	NAS	JDA	SLR	FINAL AS-BUILT

DESIGNED BY: N. SCHWAB
DRAWN BY: M. AGUILING
CHECKED BY: J. ARMENA
APPROVED BY: S. ROBERTS

kpff — SUBMITTED BY: SARA ROBERTS

HENSEL PHELPS Plan. Build. Manage. kpff — DATE: 10/26/2022

REVIEWED BY: GREG SHIMIZU

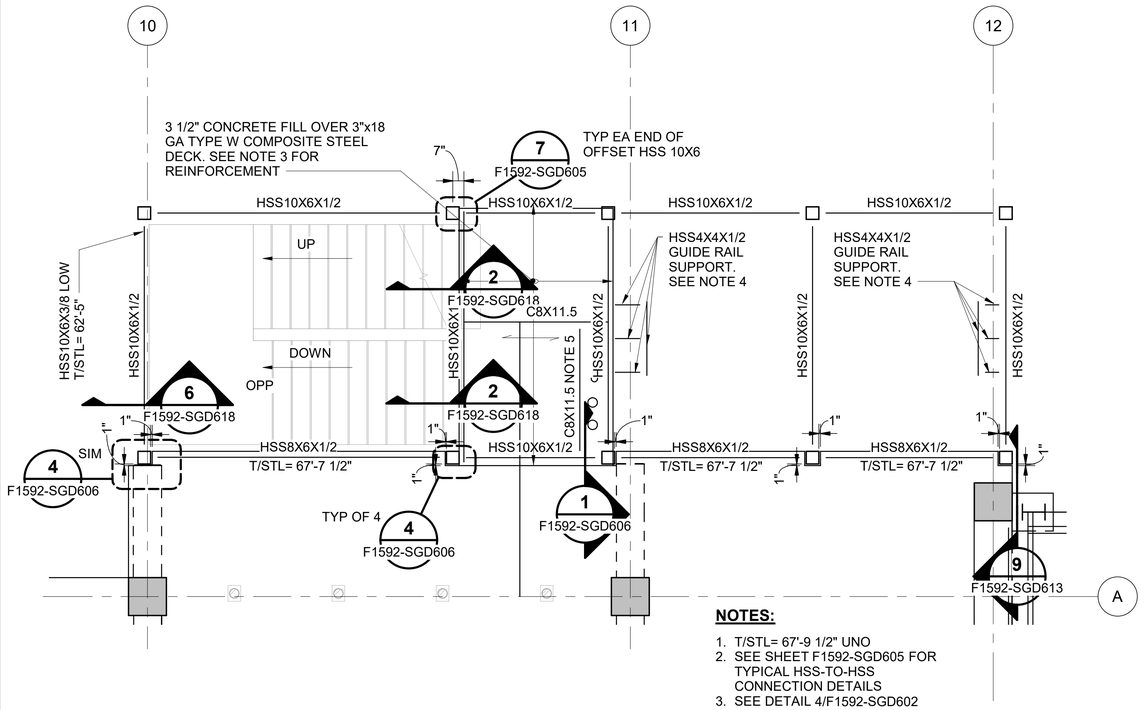
LINE IS 1" AT FULL SCALE

SOUNDTRANSIT — DATE: 10/26/2022

SCALE: 1/4" = 1'-0"
FILENAME: S317-F1592-S_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
STRUCTURAL
ENLARGED STAIR/ELEVATOR PLANS

DRAWING No.: F1592-SGP711
FACILITY ID: F1592
SHEET No: 198
REV: 0

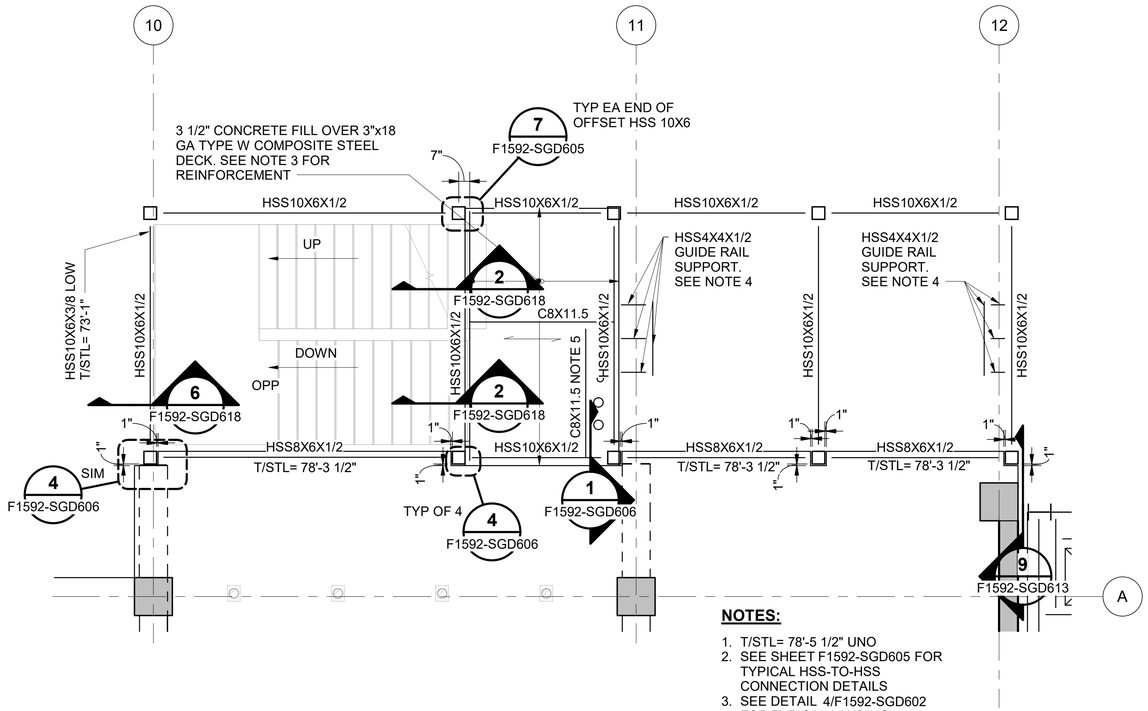


NOTES:

1. T/STL= 67'-9 1/2" UNO
2. SEE SHEET F1592-SGD605 FOR TYPICAL HSS-TO-HSS CONNECTION DETAILS
3. SEE DETAIL 4/F1592-SGD602 FOR TYPICAL LANDING CONCRETE FILL ON METAL DECK REINFORCEMENT
4. SEE 8/F1592-SGD605 FOR GUIDE RAIL SUPPORT FRAMING.
5. HAVE A 2" LONG 1/4" FILLET WELD EACH SIDE OF CHANNEL TOP FLANGE TO BOTTOM OF LOW FLUTE (AT EACH LOW FLUTE).

PARTIAL PLAN - STAIR/ELEVATOR LEVEL 3 (1 / F1592-SGP301)

SCALE: 1/4" = 1'-0"



NOTES:

1. T/STL= 78'-5 1/2" UNO
2. SEE SHEET F1592-SGD605 FOR TYPICAL HSS-TO-HSS CONNECTION DETAILS
3. SEE DETAIL 4/F1592-SGD602 FOR TYPICAL LANDING CONCRETE FILL ON METAL DECK REINFORCMENT
4. SEE 8/F1592-SGD605 FOR GUIDE RAIL SUPPORT FRAMING.
5. HAVE A 2" LONG 1/4" FILLET WELD EACH SIDE OF CHANNEL TOP FLANGE TO BOTTOM OF LOW FLUTE (AT EACH LOW FLUTE).

PARTIAL PLAN - STAIR/ELEVATOR LEVEL 4 (2 / F1592-SGP401)

SCALE: 1/4" = 1'-0"

N

1' 0 2' 4' 8'

SCALE IN FEET

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	NAS	JDA	SLR	FINAL AS-BUILT

DESIGNED BY: N. SCHWAB
DRAWN BY: M. AGUILING
CHECKED BY: J. ARMENA
APPROVED BY: S. ROBERTS

kpff

HENSEL PHELPS Plan. Build. Manage.
kpff

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT

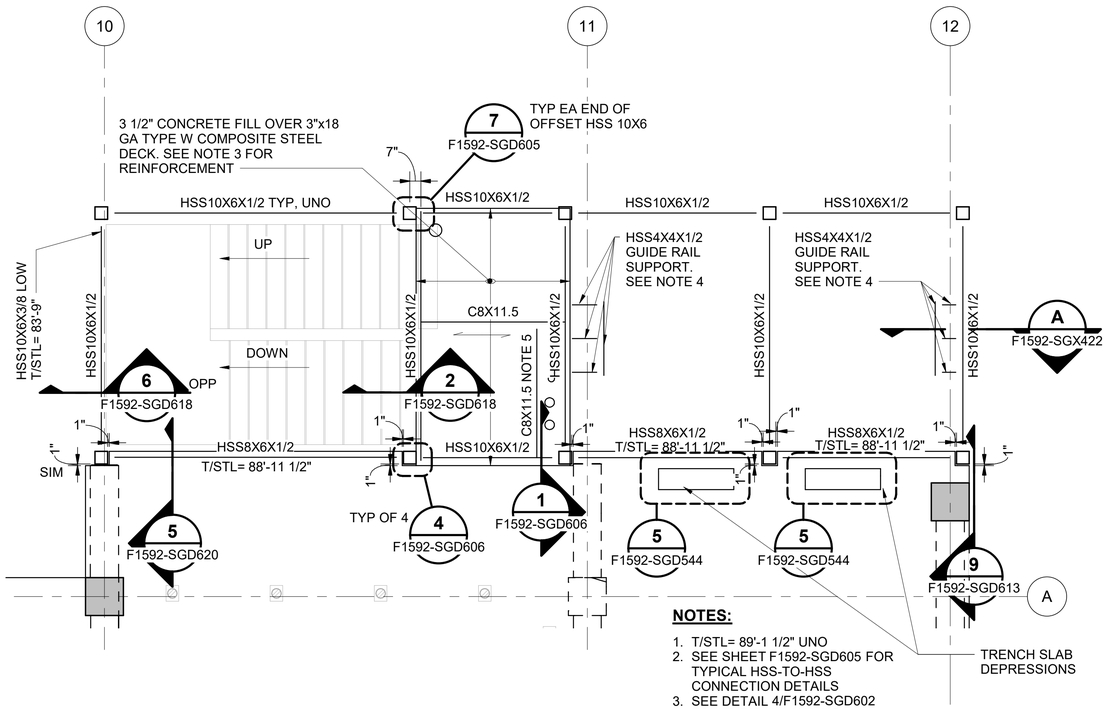
SUBMITTED BY: SARA ROBERTS
DATE: 10/26/2022
REVIEWED BY: GREG SHIMIZU
DATE: 10/26/2022

SCALE: 1/4" = 1'-0"
FILENAME: S317-F1592-S_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
STRUCTURAL
ENLARGED STAIR/ELEVATOR PLANS

DRAWING No.: F1592-SGP712
FACILITY ID: F1592
SHEET No: 199
REV: 0

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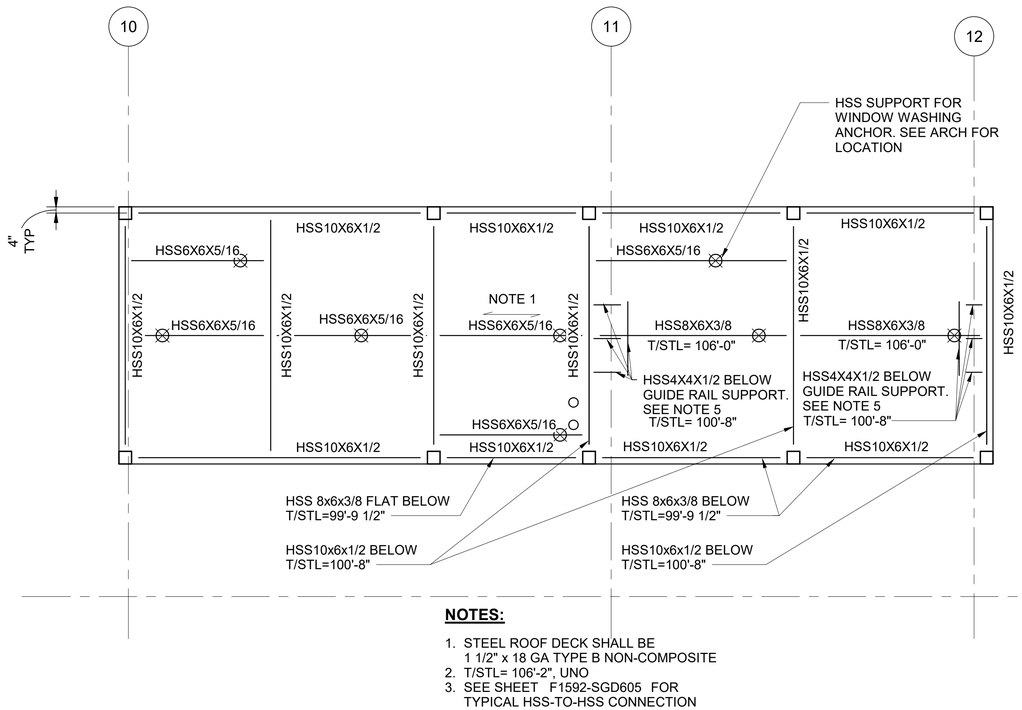


NOTES:

1. T/STL= 89'-1 1/2" UNO
2. SEE SHEET F1592-SGD605 FOR TYPICAL HSS-TO-HSS CONNECTION DETAILS
3. SEE DETAIL 4/F1592-SGD602 FOR TYPICAL LANDING CONCRETE FILL ON METAL DECK REINFORCEMENT
4. SEE 8/F1592-SGD605 FOR GUIDE RAIL SUPPORT FRAMING.
5. HAVE A 2" LONG 1/4" FILLET WELD EACH SIDE OF CHANNEL TOP FLANGE TO BOTTOM OF LOW FLUTE (AT EACH LOW FLUTE).

PARTIAL PLAN - STAIR/ELEVATOR LEVEL 5 (1 / F1592-SGP501)

SCALE: 1/4" = 1'-0"



NOTES:

1. STEEL ROOF DECK SHALL BE 1 1/2" x 18 GA TYPE B NON-COMPOSITE
2. T/STL= 106'-2", UNO
3. SEE SHEET F1592-SGD605 FOR TYPICAL HSS-TO-HSS CONNECTION DETAILS.
4. ⊗ INDICATES BIDDER-DESIGNED FALL PROTECTION ANCHOR.
5. SEE 8/F1592-SGD605 FOR GUIDE RAIL SUPPORT FRAMING

PARTIAL PLAN - STAIR/ELEVATOR ROOF (2 / F1592-SGP601)

SCALE: 1/4" = 1'-0"

N

1' 0 2' 4' 8'

SCALE IN FEET

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FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	NAS	JDA	SLR	FINAL AS-BUILT

DESIGNED BY: N. SCHWAB
DRAWN BY: M. AGUILING
CHECKED BY: J. ARMENA
APPROVED BY: S. ROBERTS

kpff

SUBMITTED BY: SARA ROBERTS
DATE: 10/26/2022

HENSEL PHELPS Plan. Build. Manage.
kpff

REVIEWED BY: GREG SHIMIZU
DATE: 10/26/2022

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT

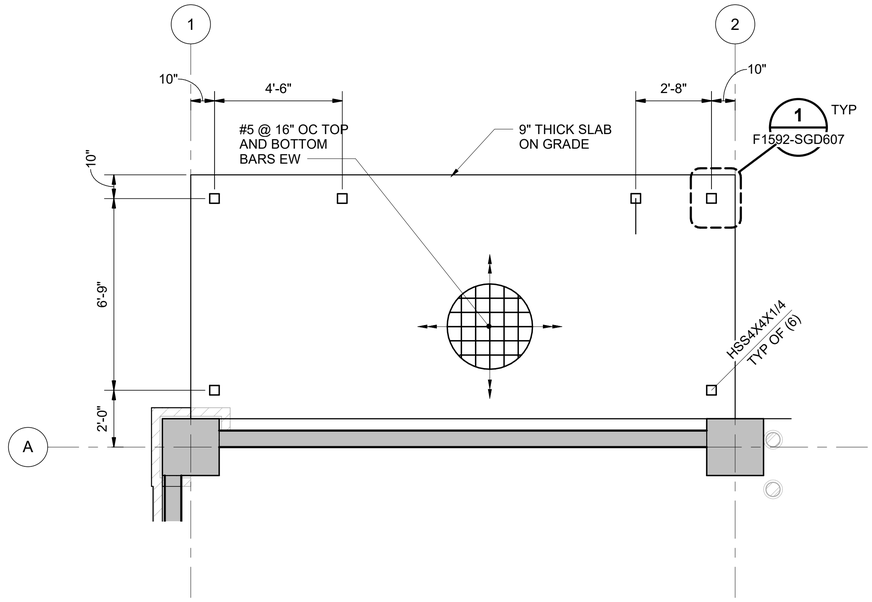
SCALE: 1/4" = 1'-0"
FILENAME: S317-F1592-S_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
STRUCTURAL
ENLARGED STAIR/ELEVATOR PLANS

DRAWING No.: F1592-SGP713
FACILITY ID: F1592
SHEET No.: 200
REV.: 0

NOTES:

1. LOAD TRANSFER PLATFORM (2'-0" THICK GRAVEL BORROW LAYER PER DP-2) TO EXTEND TO UNDER THE SLAB ON GRADE.

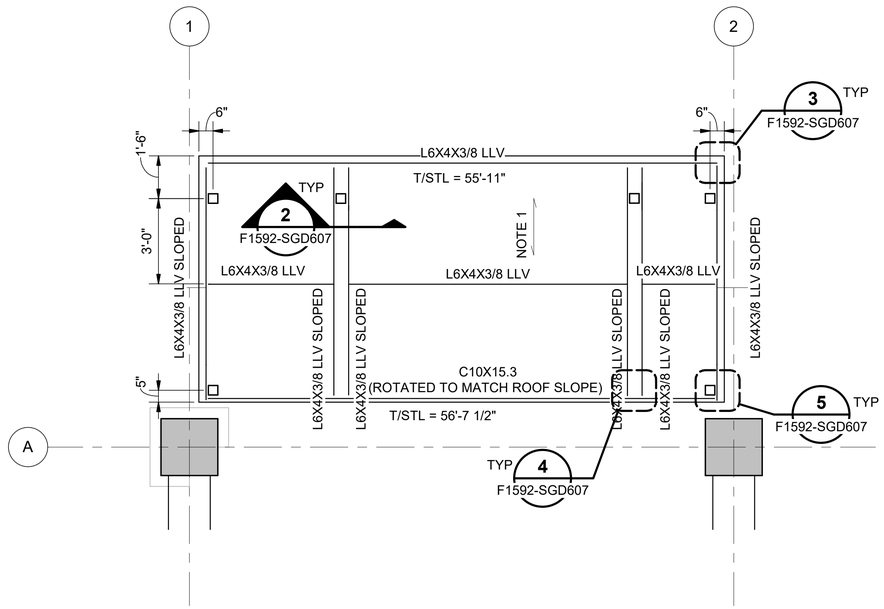


TRASH ENCLOSURE SLAB ON GRADE — 1 / F1592-SGP101

SCALE: 3/8" = 1'-0"

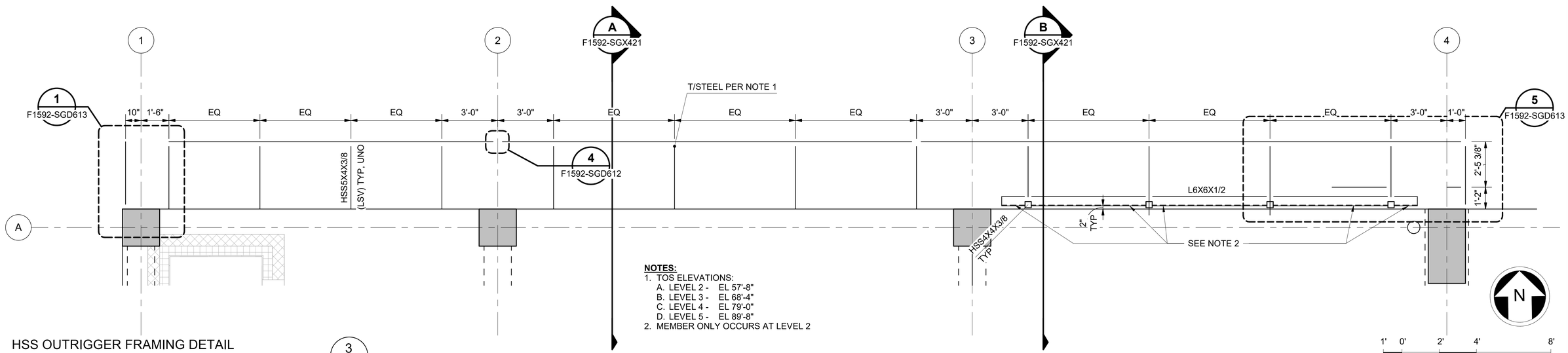
NOTES:

1. STEEL ROOF DECK SHALL BE 1 1/2"-GA TYPE B 18 GA. SEE ARCH FOR ROOF SLOPE.



TRASH ENCLOSURE ROOF FRAMING — 2 / F1592-SGP101

SCALE: 3/8" = 1'-0"



HSS OUTRIGGER FRAMING DETAIL — 3 / F1592-SGP201

SCALE: 3/8" = 1'-0"

NOTES:

1. TOS ELEVATIONS:
   A. LEVEL 2 - EL 57'-8"
   B. LEVEL 3 - EL 68'-4"
   C. LEVEL 4 - EL 79'-0"
   D. LEVEL 5 - EL 89'-8"
2. MEMBER ONLY OCCURS AT LEVEL 2

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	NAS	JDA	SLR	FINAL AS-BUILT

DESIGNED BY: N. SCHWAB
DRAWN BY: M. AGUILING
CHECKED BY: J. ARMENA
APPROVED BY: S. ROBERTS

kpff

HENSEL PHELPS Plan. Build. Manage.
kpff

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT

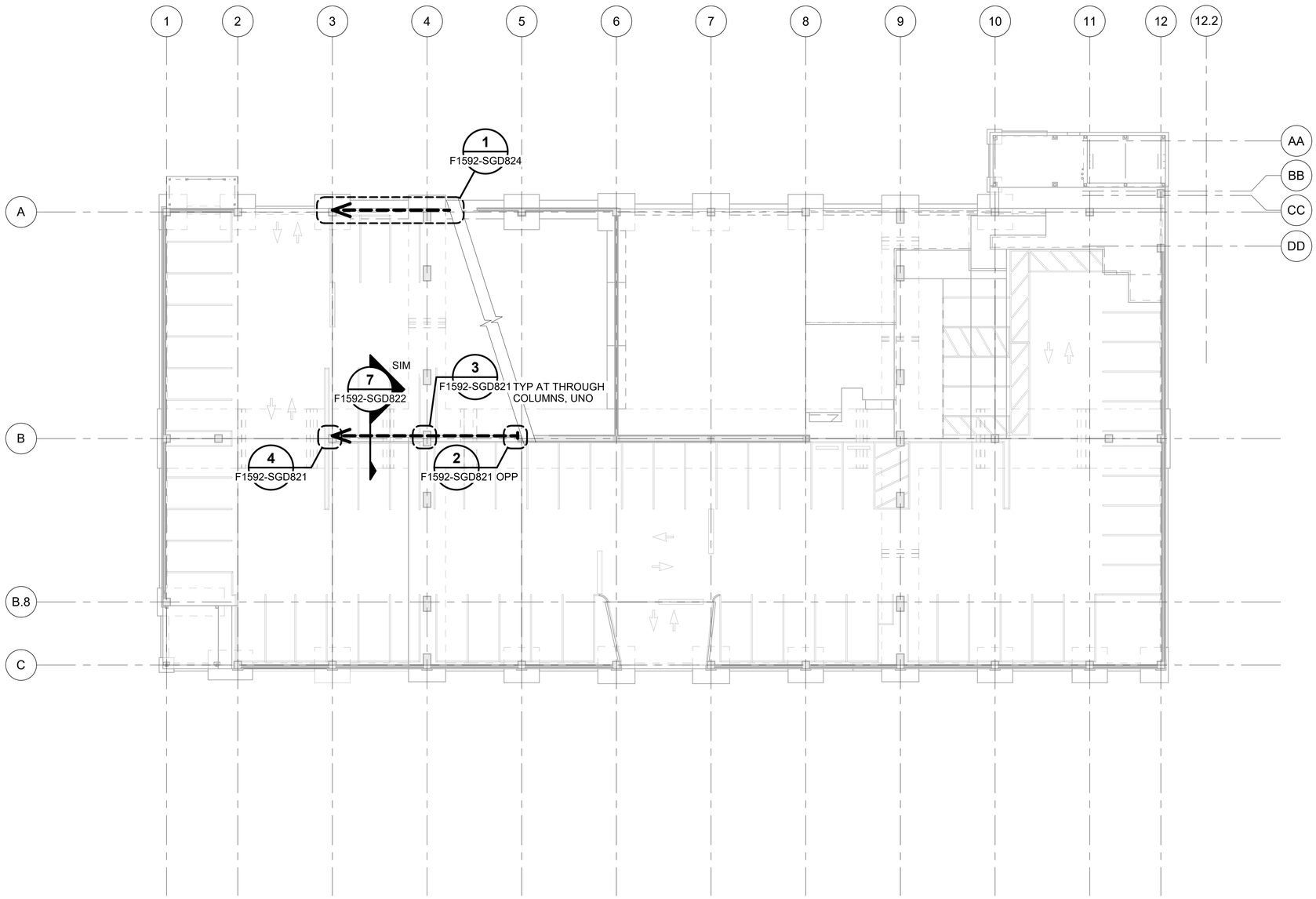
SUBMITTED BY: SARA ROBERTS
DATE: 10/26/2022
REVIEWED BY: GREG SHIMIZU
DATE: 10/26/2022

SCALE: 3/8" = 1'-0"
FILENAME: S317-F1592-S_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
STRUCTURAL
MISCELLANEOUS ENLARGED PLANS

DRAWING No.: F1592-SGP721
FACILITY ID: F1592
SHEET No.: 201
REV.: 0

6/21/2022 4:48:17 PM
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REFERENCE DRAWINGS:

F1592-SZN001 TO F1592-SZN003	STRUCTURAL NOTES
F1592-SZN011	STRUCTURAL SYMBOLS
F1592-SGD511 TO F1592-SGD514	CONCRETE DETAILS
F1592-SGD521 TO F1592-SGD523	CONCRETE COLUMN DETAILS
F1592-SGD531	CONCRETE SHEAR WALL DETAILS
F1592-SGD541 TO F1592-SGD544	CONCRETE PT DETAILS
F1592-SGD551 TO F1592-SGD555	CONCRETE BEAM ELEVATIONS
F1592-SGD561 TO F1592-SGD563	CONCRETE BEAM DETAILS
F1592-SGD601 TO F1592-SGD619	STEEL DETAILS
F1592-SGD621 TO F1592-SGD625	BRACED FRAME DETAILS
F1592-SGD701 TO F1592-SGD702	MASONRY DETAILS
F1592-SGD821 TO F1592-SGD823	CABLE BARRIER DETAILS

BARRIER CABLE NOTES:

1. BARRIER CABLE SYSTEM DESIGNED BY OTHERS, INCLUDING ALL ASSOCIATED ANCHORAGE TO STRUCTURE AND ANCHORAGE TO INTERMEDIATE BARRIER CABLE STANCHIONS.
2. BARRIER CABLE LOCATIONS AND EXTENTS INDICATED HEREIN ARE DIAGRAMMATIC ONLY. REFERENCE ARCHITECTURAL DRAWINGS FOR CABLE LOCATIONS AND EXTENTS. REFER TO 4, 5 AND 7/F1592-SGD822 FOR CABLE OFFSET FROM GRIDLINES.
3. STRESS BARRIER CABLES TO A FORCE OF 3 KIPS FOR LENGTHS LESS THAN 86 FEET. STRESS BARRIER CABLES FOR A FORCE OF 6 KIPS FOR ALL OTHER LOCATIONS. DO NOT EXCEED 3.5 KIP FORCE FOR LENGTHS LESS THAN 86 FEET OR 6.5 KIPS AT ALL OTHER LOCATIONS.
4. AFTER STRESSING, ALL ANCHORS SHALL BE BACKSTRESSED TO FULLY SEAT WEDGES. FOR BACKSTRESSING, THE JACK NOSE SHALL BEAR ON THE OPPOSITE SIDE OF THE COLUMN OR ANCHOR AND A BACKSTRESSING FORCE OF 30 KIPS SHALL BE APPLIED.
5. ENSURE SPECIFIED CABLE TENSION IS APPLIED THROUGHOUT THE LENGTH OF CABLE. STRESS CABLE AT INTERMEDIATE SUPPORTS WITH REMOVABLE HARDWARE AS NECESSARY. CONTRACTOR TO COORDINATE.
6. ▬ ▬ INDICATES 1/2"Ø SEVEN WIRE STRAND GALVANIZED BARRIER CABLES.
7. ▢ INDICATES BARRIER CABLE STANCHION PER 1/F1592-SGD822 . LOCATION WITH RESPECT TO GRIDS AND COLUMNS TYPICAL ON ALL FLOORS.
8. PER RFI 314, TOP OF CURB WAS NOT SET AT THE CORRECT ELEVATION. STRUCTURALLY ACCEPTABLE TO POUR MORE (NEW) CONCRETE ON TOP OF THE HARDENED CONCRETE - 3" MIN THICK. CHIP DOWN HARDENED CONCRETE AS NECESSARY TO MEET MINIMUM THICKNESS OF NEW CONCRETE. TOP OF HARDENED CONCRETE MUST BE ROUGHED PRIOR TO PLACING NEW CONCRETE. ADD A CONTINUOUS HORIZONTAL #4 BAR AT THE NEW CONCRETE - 2" CLEAR FROM CORRECT TOP OF CURB. INSTALL ADHESIVE #4 HOOKED DOWELS WITH 3" EMBED AT 18"OC. DO NOT DISTRUB/DAMAGE ANY EXISTING REINFORCEMENT DURING INSTALLATION OF ADHESIVE DOWELS.

N

2' 0' 8' 16' 32'

SCALE IN FEET

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	NAS	JDA	SLR	FINAL AS-BUILT

DESIGNED BY: N. SCHWAB
DRAWN BY: M. AGUILING
CHECKED BY: J. ARMENA
APPROVED BY: S. ROBERTS

kpff

HENSEL PHELPS Plan. Build. Manage.
kpff

SUBMITTED BY: SARA ROBERTS
DATE: 10/26/2022
REVIEWED BY: GREG SHIMIZU
DATE: 10/26/2022

LINE IS 1" AT FULL SCALE

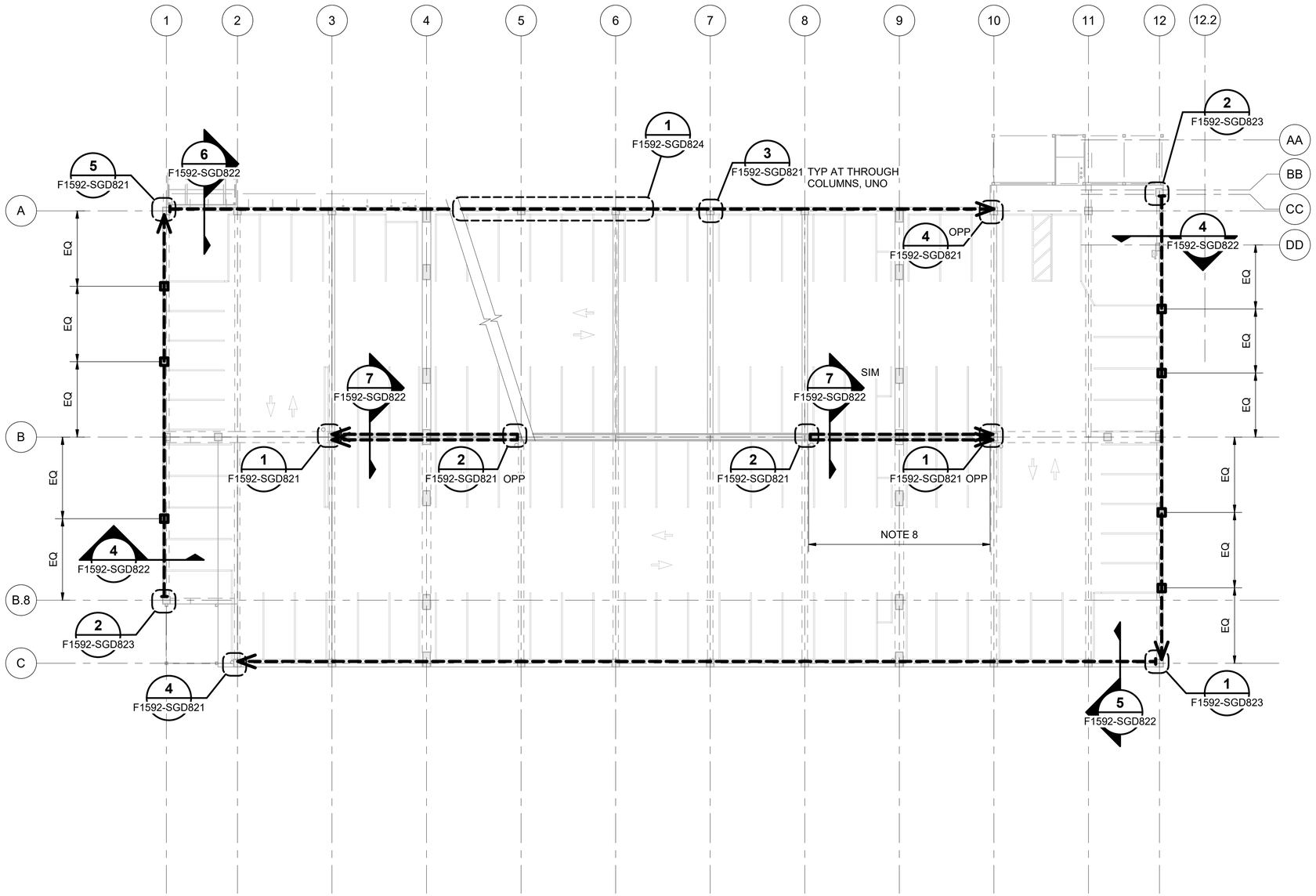
SOUNDTRANSIT

SCALE: 1/16" = 1'-0"
FILENAME: S317-F1592-S_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
STRUCTURAL
CABLE BARRIER PLAN - LEVEL 1

DRAWING No.: F1592-SGP811
FACILITY ID: F1592
SHEET No.: 202
REV.: 0

6/21/2022 4:48:18 PM
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REFERENCE DRAWINGS:

F1592-SZN001 TO F1592-SZN003	STRUCTURAL NOTES
F1592-SZN011	STRUCTURAL SYMBOLS
F1592-SGD511 TO F1592-SGD514	CONCRETE DETAILS
F1592-SGD521 TO F1592-SGD523	CONCRETE COLUMN DETAILS
F1592-SGD531	CONCRETE SHEAR WALL DETAILS
F1592-SGD541 TO F1592-SGD544	CONCRETE PT DETAILS
F1592-SGD551 TO F1592-SGD555	CONCRETE BEAM ELEVATIONS
F1592-SGD561 TO F1592-SGD563	CONCRETE BEAM DETAILS
F1592-SGD601 TO F1592-SGD619	STEEL DETAILS
F1592-SGD621 TO F1592-SGD625	BRACED FRAME DETAILS
F1592-SGD701 TO F1592-SGD702	MASONRY DETAILS
F1592-SGD821 TO F1592-SGD823	CABLE BARRIER DETAILS

BARRIER CABLE NOTES:

1. BARRIER CABLE SYSTEM DESIGNED BY OTHERS, INCLUDING ALL ASSOCIATED ANCHORAGE TO STRUCTURE AND ANCHORAGE TO INTERMEDIATE BARRIER CABLE STANCHIONS.
2. BARRIER CABLE LOCATIONS AND EXTENTS INDICATED HEREIN ARE DIAGRAMMATIC ONLY. REFERENCE ARCHITECTURAL DRAWINGS FOR CABLE LOCATIONS AND EXTENTS. REFER TO 4, 5 AND 7/F1592-SGD822 FOR CABLE OFFSET FROM GRIDLINES.
3. STRESS BARRIER CABLES TO A FORCE OF 3 KIPS FOR LENGTHS LESS THAN 86 FEET. STRESS BARRIER CABLES FOR A FORCE OF 6 KIPS FOR ALL OTHER LOCATIONS. DO NOT EXCEED 3.5 KIP FORCE FOR LENGTHS LESS THAN 86 FEET OR 6.5 KIPS AT ALL OTHER LOCATIONS.
4. AFTER STRESSING, ALL ANCHORS SHALL BE BACKSTRESSED TO FULLY SEAT WEDGES. FOR BACKSTRESSING, THE JACK NOSE SHALL BEAR ON THE OPPOSITE SIDE OF THE COLUMN OR ANCHOR AND A BACKSTRESSING FORCE OF 30 KIPS SHALL BE APPLIED.
5. ENSURE SPECIFIED CABLE TENSION IS APPLIED THROUGHOUT THE LENGTH OF CABLE. STRESS CABLE AT INTERMEDIATE SUPPORTS WITH REMOVABLE HARDWARE AS NECESSARY. CONTRACTOR TO COORDINATE.
6. ▬ ▬ ▬ INDICATES 1/2"Ø SEVEN WIRE STRAND GALVANIZED BARRIER CABLES.
7. □ INDICATES BARRIER CABLE STANCHION PER 1/F1592-SGD822 . LOCATION WITH RESPECT TO GRIDS AND COLUMNS TYPICAL ON ALL FLOORS.
8. PER RFI 314, TOP OF CURB WAS NOT SET AT THE CORRECT ELEVATION. STRUCTURALLY ACCEPTABLE TO POUR MORE (NEW) CONCRETE ON TOP OF THE HARDENED CONCRETE - 3" MIN THICK. CHIP DOWN HARDENED CONCRETE AS NECESSARY TO MEET MINIMUM THICKNESS OF NEW CONCRETE. TOP OF HARDENED CONCRETE MUST BE ROUGHED PRIOR TO PLACING NEW CONCRETE. ADD A CONTINUOUS HORIZONTAL #4 BAR AT THE NEW CONCRETE - 2" CLEAR FROM CORRECT TOP OF CURB. INSTALL ADHESIVE #4 HOOKED DOWELS WITH 3" EMBED AT 18"OC. DO NOT DISTRUB/DAMAGE ANY EXISTING REINFORCEMENT DURING INSTALLATION OF ADHESIVE DOWELS.

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2' 0' 8' 16' 32'

SCALE IN FEET

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FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	NAS	JDA	SLR	FINAL AS-BUILT

DESIGNED BY: N. SCHWAB
DRAWN BY: M. AGUILING
CHECKED BY: J. ARMENA
APPROVED BY: S. ROBERTS

kpff — SUBMITTED BY: SARA ROBERTS — DATE: 10/26/2022

HENSEL PHELPS Plan. Build. Manage. kpff — REVIEWED BY: GREG SHIMIZU — DATE: 10/26/2022

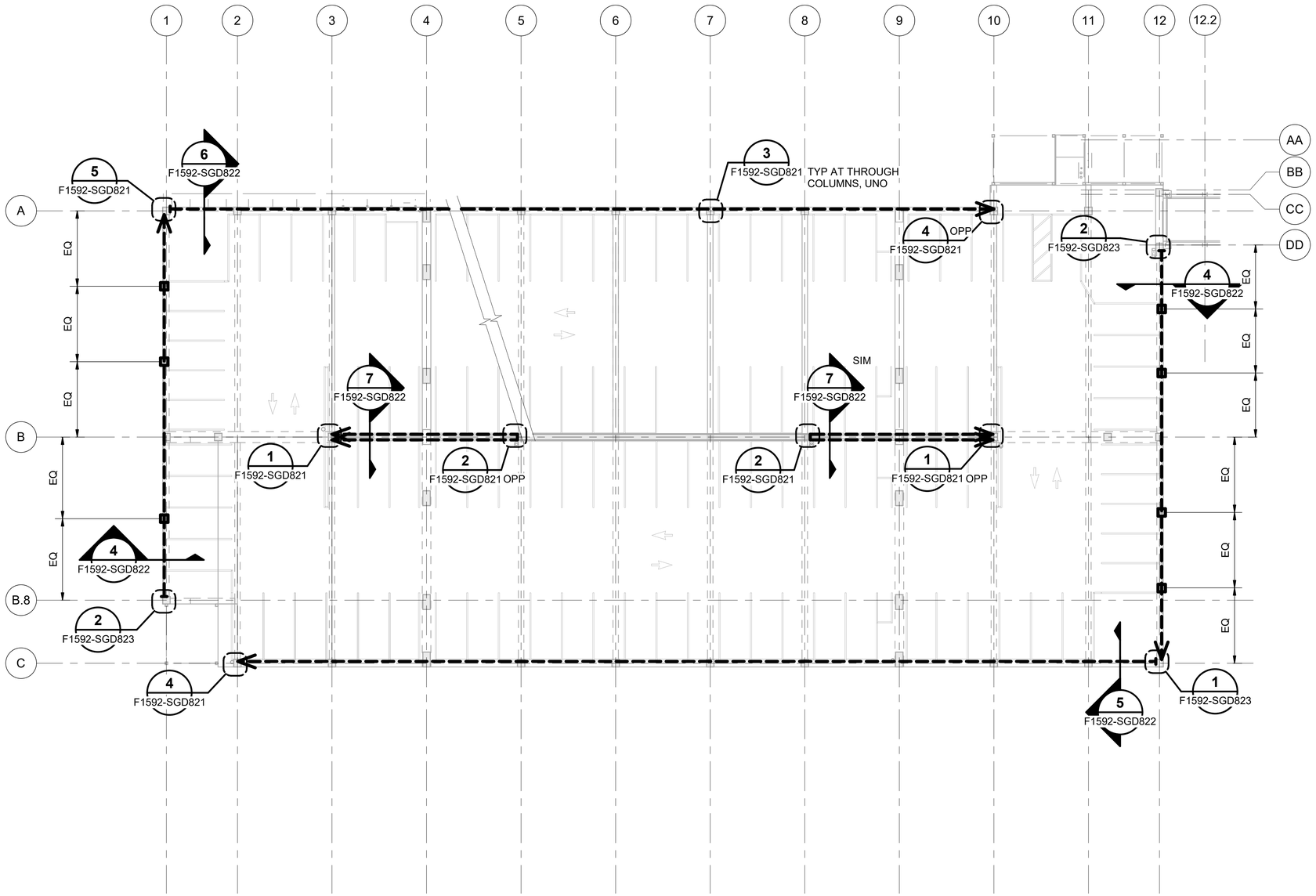
LINE IS 1" AT FULL SCALE

SOUNDTRANSIT — SUBMITTAL DATE: 10/26/2022

SCALE: 1/16" = 1'-0"
FILENAME: S317-F1592-S_v2020
CONTRACT No.: RTA/CN 0612-18

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
STRUCTURAL
CABLE BARRIER PLAN - LEVEL 2

DRAWING No.: F1592-SGP812
FACILITY ID: F1592
SHEET No.: 203
REV.: 0



REFERENCE DRAWINGS:

F1592-SZN001 TO F1592-SZN003	STRUCTURAL NOTES
F1592-SZN011	STRUCTURAL SYMBOLS
F1592-SGD511 TO F1592-SGD514	CONCRETE DETAILS
F1592-SGD521 TO F1592-SGD523	CONCRETE COLUMN DETAILS
F1592-SGD531	CONCRETE SHEAR WALL DETAILS
F1592-SGD541 TO F1592-SGD544	CONCRETE PT DETAILS
F1592-SGD551 TO F1592-SGD555	CONCRETE BEAM ELEVATIONS
F1592-SGD561 TO F1592-SGD563	CONCRETE BEAM DETAILS
F1592-SGD601 TO F1592-SGD619	STEEL DETAILS
F1592-SGD621 TO F1592-SGD625	BRACED FRAME DETAILS
F1592-SGD701 TO F1592-SGD702	MASONRY DETAILS
F1592-SGD821 TO F1592-SGD823	CABLE BARRIER DETAILS

BARRIER CABLE NOTES:

1. BARRIER CABLE SYSTEM DESIGNED BY OTHERS, INCLUDING ALL ASSOCIATED ANCHORAGE TO STRUCTURE AND ANCHORAGE TO INTERMEDIATE BARRIER CABLE STANCHIONS.
2. BARRIER CABLE LOCATIONS AND EXTENTS INDICATED HEREIN ARE DIAGRAMMATIC ONLY. REFERENCE ARCHITECTURAL DRAWINGS FOR CABLE LOCATIONS AND EXTENTS. REFER TO 4, 5 AND 7/F1592-SGD822 FOR CABLE OFFSET FROM GRIDLINES.
3. STRESS BARRIER CABLES TO A FORCE OF 3 KIPS FOR LENGTHS LESS THAN 86 FEET. STRESS BARRIER CABLES FOR A FORCE OF 6 KIPS FOR ALL OTHER LOCATIONS. DO NOT EXCEED 3.5 KIP FORCE FOR LENGTHS LESS THAN 86 FEET OR 6.5 KIPS AT ALL OTHER LOCATIONS.
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5. ENSURE SPECIFIED CABLE TENSION IS APPLIED THROUGHOUT THE LENGTH OF CABLE. STRESS CABLE AT INTERMEDIATE SUPPORTS WITH REMOVABLE HARDWARE AS NECESSARY. CONTRACTOR TO COORDINATE.
6. ▬ ▬ ▬ INDICATES 1/2"Ø SEVEN WIRE STRAND GALVANIZED BARRIER CABLES.
7. □ INDICATES BARRIER CABLE STANCHION PER 1/F1592-SGD822 . LOCATION WITH RESPECT TO GRIDS AND COLUMNS TYPICAL ON ALL FLOORS.
8. PER RFI 314, TOP OF CURB WAS NOT SET AT THE CORRECT ELEVATION. STRUCTURALLY ACCEPTABLE TO POUR MORE (NEW) CONCRETE ON TOP OF THE HARDENED CONCRETE - 3" MIN THICK. CHIP DOWN HARDENED CONCRETE AS NECESSARY TO MEET MINIMUM THICKNESS OF NEW CONCRETE. TOP OF HARDENED CONCRETE MUST BE ROUGHED PRIOR TO PLACING NEW CONCRETE. ADD A CONTINUOUS HORIZONTAL #4 BAR AT THE NEW CONCRETE - 2" CLEAR FROM CORRECT TOP OF CURB. INSTALL ADHESIVE #4 HOOKED DOWELS WITH 3" EMBED AT 18"OC. DO NOT DISTRUB/DAMAGE ANY EXISTING REINFORCEMENT DURING INSTALLATION OF ADHESIVE DOWELS.

N

2' 0' 8' 16' 32'

SCALE IN FEET

6/21/2022 4:48:21 PM
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FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	NAS	JDA	SLR	FINAL AS-BUILT

DESIGNED BY: N. SCHWAB
DRAWN BY: M. AGUILING
CHECKED BY: J. ARMENA
APPROVED BY: S. ROBERTS

kpff — SUBMITTED BY: SARA ROBERTS — DATE: 10/26/2022

HENSEL PHELPS Plan. Build. Manage. kpff — REVIEWED BY: GREG SHIMIZU — DATE: 10/26/2022

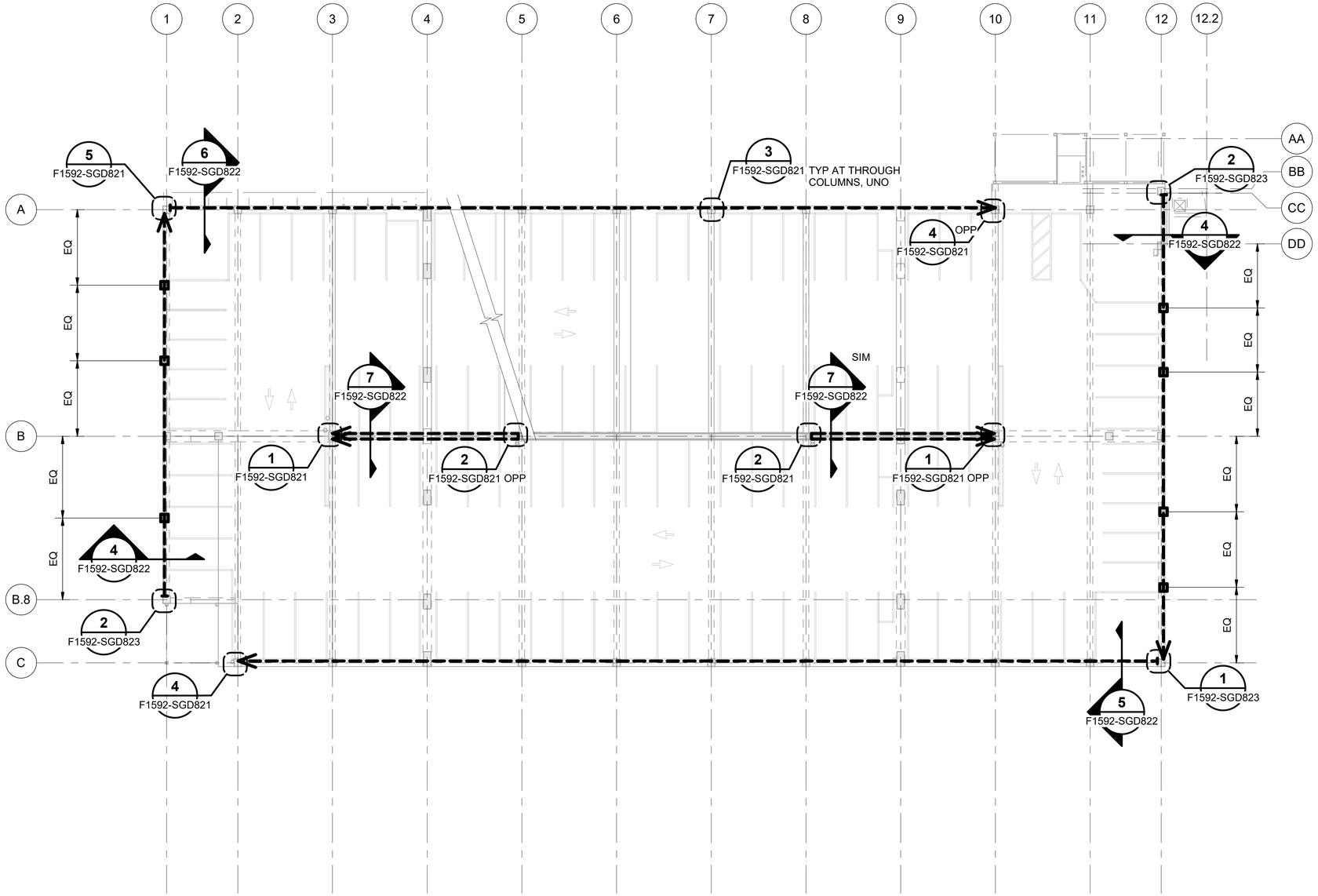
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SOUNDTRANSIT — SUBMITTAL DATE: 10/26/2022

SCALE: 1/16" = 1'-0"
FILENAME: S317-F1592-S_v2020
CONTRACT No.: RTA/CN 0612-18

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
STRUCTURAL
CABLE BARRIER PLAN - LEVEL 3

DRAWING No.: F1592-SGP813
FACILITY ID: F1592
SHEET No.: 204
REV.: 0



REFERENCE DRAWINGS:

F1592-SZN001 TO F1592-SZN003	STRUCTURAL NOTES
F1592-SZN011	STRUCTURAL SYMBOLS
F1592-SGD511 TO F1592-SGD514	CONCRETE DETAILS
F1592-SGD521 TO F1592-SGD523	CONCRETE COLUMN DETAILS
F1592-SGD531	CONCRETE SHEAR WALL DETAILS
F1592-SGD541 TO F1592-SGD544	CONCRETE PT DETAILS
F1592-SGD551 TO F1592-SGD555	CONCRETE BEAM ELEVATIONS
F1592-SGD561 TO F1592-SGD563	CONCRETE BEAM DETAILS
F1592-SGD601 TO F1592-SGD619	STEEL DETAILS
F1592-SGD621 TO F1592-SGD625	BRACED FRAME DETAILS
F1592-SGD701 TO F1592-SGD702	MASONRY DETAILS
F1592-SGD821 TO F1592-SGD823	CABLE BARRIER DETAILS

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N

2' 0' 8' 16' 32'

SCALE IN FEET

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	NAS	JDA	SLR	FINAL AS-BUILT

DESIGNED BY: N. SCHWAB
DRAWN BY: M. AGUILING
CHECKED BY: J. ARMENA
APPROVED BY: S. ROBERTS

kpff — SUBMITTED BY: SARA ROBERTS — DATE: 10/26/2022

HENSEL PHELPS Plan. Build. Manage. kpff — REVIEWED BY: GREG SHIMIZU — DATE: 10/26/2022

LINE IS 1" AT FULL SCALE

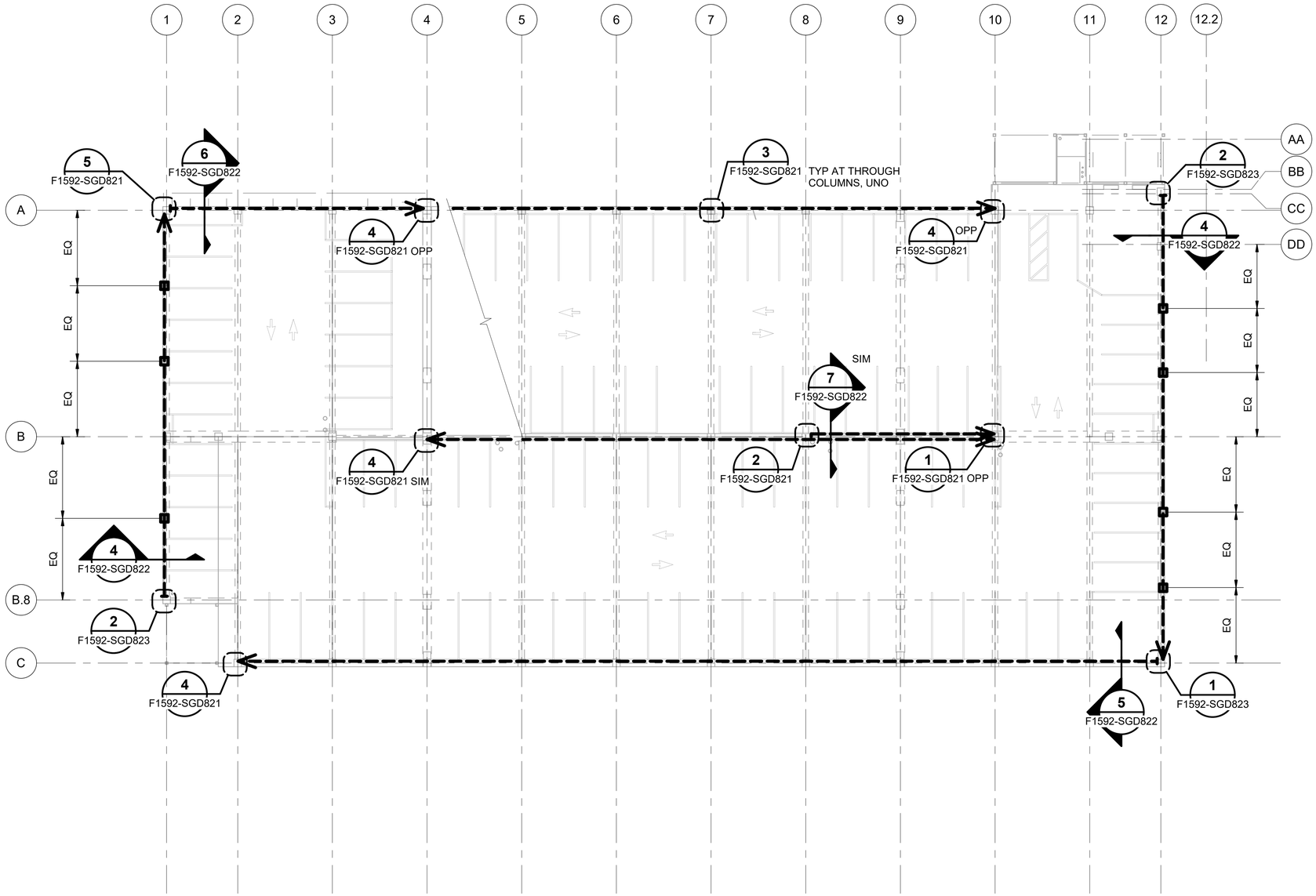
SOUNDTRANSIT — SUBMITTAL DATE: 10/26/2022

SCALE: 1/16" = 1'-0"
FILENAME: S317-F1592-S_v2020
CONTRACT No.: RTA/CN 0612-18

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
STRUCTURAL
CABLE BARRIER PLAN - LEVEL 4

DRAWING No.: F1592-SGP814
FACILITY ID: F1592
SHEET No.: 205
REV.: 0

6/21/2022 4:48:23 PM
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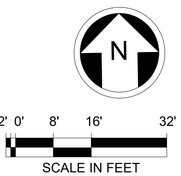


REFERENCE DRAWINGS:

F1592-SZN001 TO F1592-SZN003	STRUCTURAL NOTES
F1592-SZN011	STRUCTURAL SYMBOLS
F1592-SGD511 TO F1592-SGD514	CONCRETE DETAILS
F1592-SGD521 TO F1592-SGD523	CONCRETE COLUMN DETAILS
F1592-SGD531	CONCRETE SHEAR WALL DETAILS
F1592-SGD541 TO F1592-SGD544	CONCRETE PT DETAILS
F1592-SGD551 TO F1592-SGD555	CONCRETE BEAM ELEVATIONS
F1592-SGD561 TO F1592-SGD563	CONCRETE BEAM DETAILS
F1592-SGD601 TO F1592-SGD619	STEEL DETAILS
F1592-SGD621 TO F1592-SGD625	BRACED FRAME DETAILS
F1592-SGD701 TO F1592-SGD702	MASONRY DETAILS
F1592-SGD821 TO F1592-SGD823	CABLE BARRIER DETAILS

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FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	NAS	JDA	SLR	FINAL AS-BUILT

DESIGNED BY: N. SCHWAB
DRAWN BY: M. AGUILING
CHECKED BY: J. ARMENA
APPROVED BY: S. ROBERTS

kpff — SUBMITTED BY: SARA ROBERTS — DATE: 10/26/2022

HENSEL PHELPS Plan. Build. Manage. kpff — REVIEWED BY: GREG SHIMIZU — DATE: 10/26/2022

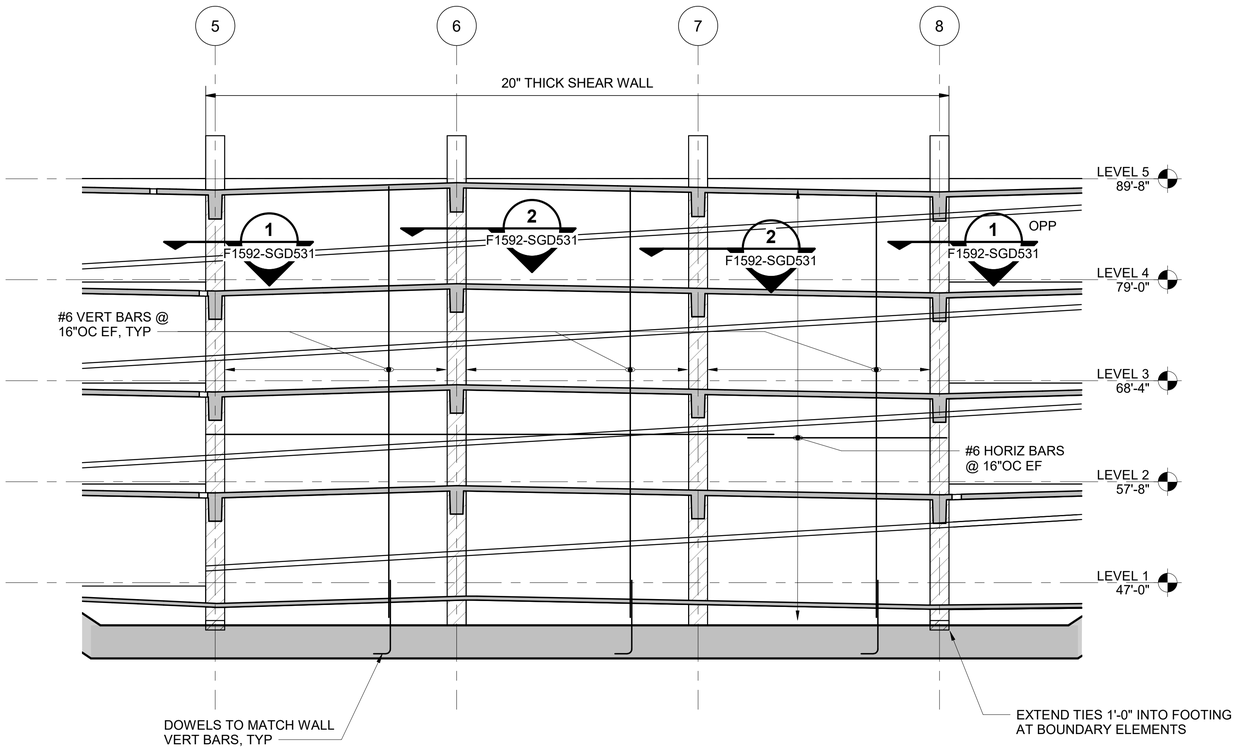
LINE IS 1" AT FULL SCALE

SOUNDTRANSIT — SUBMITTAL DATE: 10/26/2022

SCALE: 1/16" = 1'-0"
FILENAME: S317-F1592-S_v2020
CONTRACT No.: RTA/CN 0612-18

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
STRUCTURAL
CABLE BARRIER PLAN - LEVEL 5

DRAWING No.: F1592-SGP815
FACILITY ID: F1592
SHEET No.: 206
REV.: 0



SHEAR WALL ELEVATION - GRID B

SCALE: 1/8" = 1'-0"

A
F1592-SGP101

SHEAR WALL NOTES:

1. SEE DRAWINGS F1592-SGD531 FOR SHEAR WALL DETAILS.
2. INDICATES BOUNDARY ZONE OR WALL COLUMN AREAS.
3. HOOP AND TIE SPACING SHALL BE 4" OC MIN OVER ENTIRE LENGTH OF VERTICAL LAP SPLICE. IF NON-CONTACT LAP BARS ARE USED IN VERTICAL LAP SPLICES, EXTEND 4" OC MIN SPACING TO 6" BEYOND POINT OF BEND.
4. SHEAR WALL BAR LAP SPLICES ARE ANTICIPATED TO BE PROVIDED AT LOCATIONS INDICATED ON WALL ELEVATIONS. CONTRACTOR SHALL DETERMINE ACTUAL LOCATIONS AND SUBMIT TO THE RESIDENT ENGINEER FOR APPROVAL. NOTE THAT SHEAR WALL COLUMN ELEMENT VERTICAL REINFORCEMENT SHALL BE SPLICED WITHIN CENTER HALF OF COLUMN HEIGHT SIMILAR TO DETAIL 5/F1592-SGD521
5. AT CONTRACTORS OPTION, IT IS ACCEPTABLE TO REPLACE A PAIR OF CROSS TIES WITH A SINGLE STIRRUP BAR, HOOKS DO NOT NEED TO ALTERNATE IF A STIRRUP BAR IS USED. IT IS ALSO ACCEPTABLE TO REPLACE THE CLOSE LOOP STIRRUPS WITH (2) U- BARS
6. BARS THAT TERMINATE AT AN OPENING SHALL BE HOOKED.
7. CONTRACTOR SHALL COORDINATE/VERIFY ALL MECHANICAL, ELECTRICAL, AND PLUMBING OPENINGS AND PENETRATIONS THROUGH CONCRETE SHEAR WALLS PRIOR TO CONSTRUCTION. ENGINEER SHALL BE NOTIFIED OF ALL WALL OPENINGS/ PENETRATIONS THAT ARE ADDED OR CHANGED FROM WHAT IS SHOWN ON WALL ELEVATIONS. ALL OPENINGS AND PENETRATIONS SHALL BE SHOWN ON REBAR PLACING DRAWINGS. OPENINGS/PENETRATIONS SHALL NOT BE MADE THROUGH WALL BOUNDARY ZONES.
8. IF MECHANICAL SPLICES ARE USED, THEY SHALL BE TYPE 2.
10. EMBED LENGTHS FOR DOWELS INTO SHEAR WALL

SIZE	f'c=6,000psi
	Ld*
#4	13
#5	16
#6	19
#7	27
#8	31

NOTES:

1. LENGTHS ARE SHOWN IN INCHES.
2. LENGTHS ASSUME A MINIMUM BAR COVER OF 2db AND A MINIMUM BAR CLEAR SPACING OF 4db.

11. SHEAR WALL DEVELOPMENT AND SPLICE LENGTH SCHEDULE

fy = 60,000 psi (GRADE 60 REBAR)

SIZE	f'c = 6,000 psi					
	Ldbz	Ldvt	Ldhz	Lsbz	Lsvt	Lshz
#5	15	15	16	19	19	20
#6	18	18	19	23	23	24
#7	26	26	27	34	34	35
#8	30	30	31	38	38	40
#9	33	35	35	43	45	45
#10	37	43	39	48	56	50
#11	41	52	43	54	67	56

ABBREVIATIONS

Ldbz = DEVELOPMENT LENGTH FOR VERTICAL REINFORCEMENT IN BOUNDARY ZONES
Ldvt = DEVELOPMENT LENGTH FOR VERTICAL REINFORCEMENT OUTSIDE OF BOUNDARY ZONES
Ldhz = DEVELOPMENT LENGTH FOR HORIZONTAL REINFORCEMENT
Lsbz = LAP SPLICE LENGTH FOR VERTICAL REINFORCEMENT IN BOUNDARY ZONES
Lsvt = LAP SPLICE LENGTH FOR VERTICAL REINFORCEMENT OUTSIDE OF BOUNDARY ZONES
Lshz = LAP SPLICE LENGTH FOR HORIZONTAL REINFORCEMENT

NOTES:

1. LENGTHS ARE SHOWN IN INCHES.
2. WHERE BARS OF DIFFERENT SIZE ARE LAPPED, USE SPLICE LENGTH REQUIRED FOR SMALLER BAR.
3. SCHEDULES IN THIS DETAIL ARE FOR REINFORCING BARS WITHIN SHEAR WALLS ONLY. REFER TO 3/F1592-SGD511 AT OTHER LOCATIONS.

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	NAS	JDA	SLR	FINAL AS-BUILT

DESIGNED BY: N. SCHWAB
DRAWN BY: M. AGUILING
CHECKED BY: J. ARMENA
APPROVED BY: S. ROBERTS

kpff
SUBMITTED BY: SARA ROBERTS
DATE: 10/26/2022

HENSEL PHELPS
Plan. Build. Manage.
kpff
REVIEWED BY: GREG SHIMIZU
DATE: 10/26/2022

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT

SCALE: 1/8" = 1'-0"
FILENAME: S317-F1592-S_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

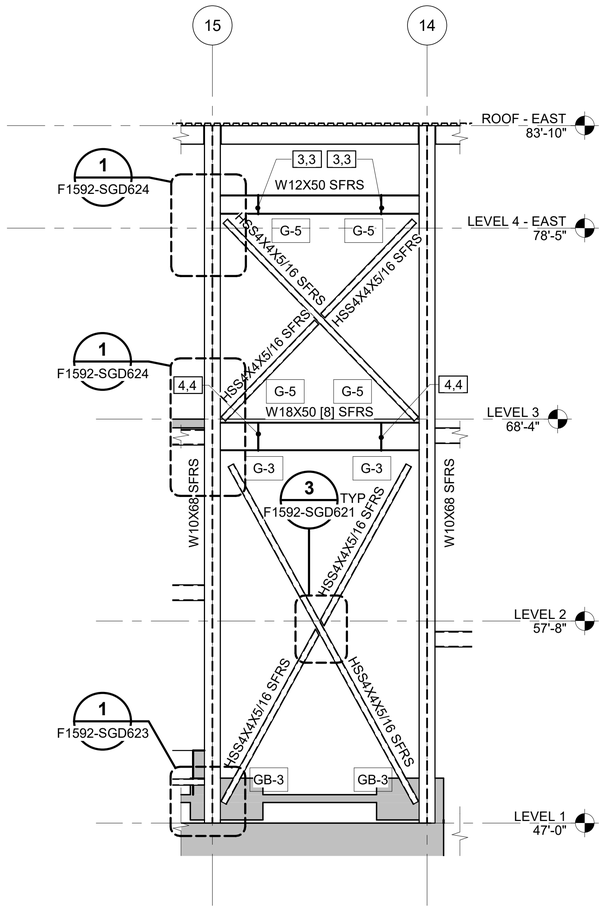
PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
STRUCTURAL
SHEAR WALL ELEVATIONS

DRAWING No.: F1592-SWE321
FACILITY ID: F1592
SHEET No.: 207
REV.: 0

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GENERAL NOTES:

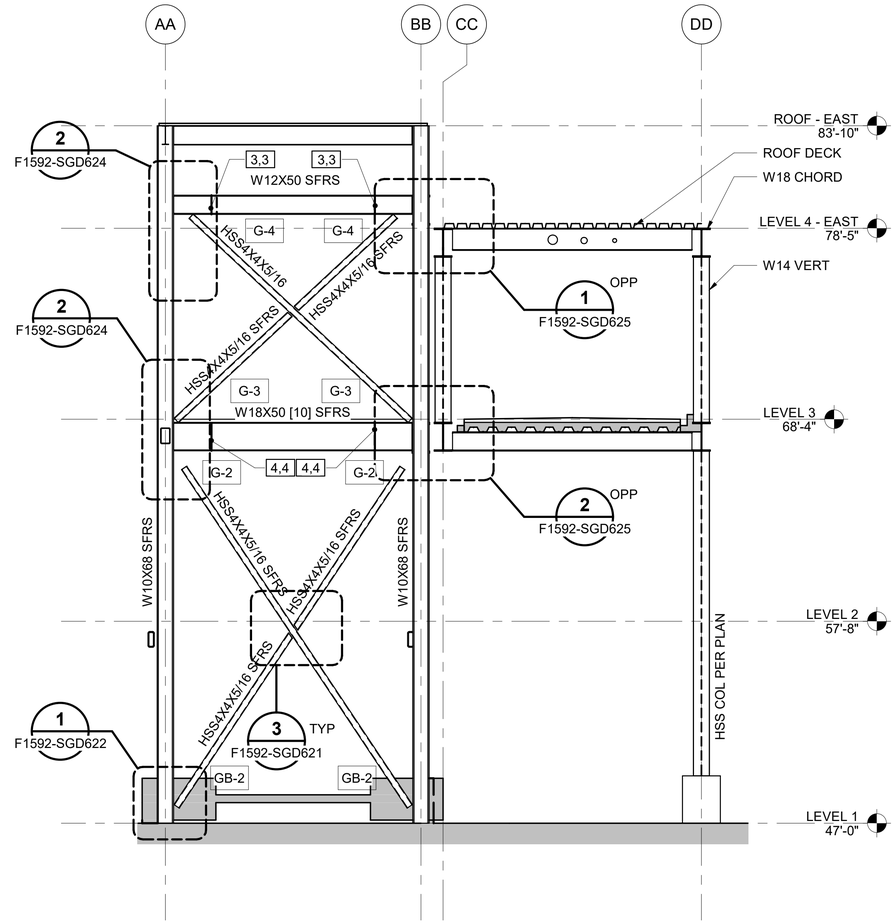
1. REFERENCE DRAWINGS:
   BRACED FRAME DETAILS F1592-SGD621 TO F1592-SGD624
2. ALL FRAME MEMBERS SHOWN ARE PART OF THE SFRS.



ELEVATION - STAIR TOWER - BRACED FRAME

SCALE: 1/4" = 1'-0"

A
F1592-SGP102



ELEVATION - STAIR TOWER - BRACED FRAME

SCALE: 1/4" = 1'-0"

B
F1592-SGP102

6/21/2022 4:48:28 PM
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No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	NAS	JDA	SLR	FINAL AS-BUILT

DESIGNED BY: N. SCHWAB
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kpff

SUBMITTED BY: SARA ROBERTS
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HENSEL PHELPS
Plan. Build. Manage.
kpff

REVIEWED BY: GREG SHIMIZU
DATE: 10/26/2022

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT

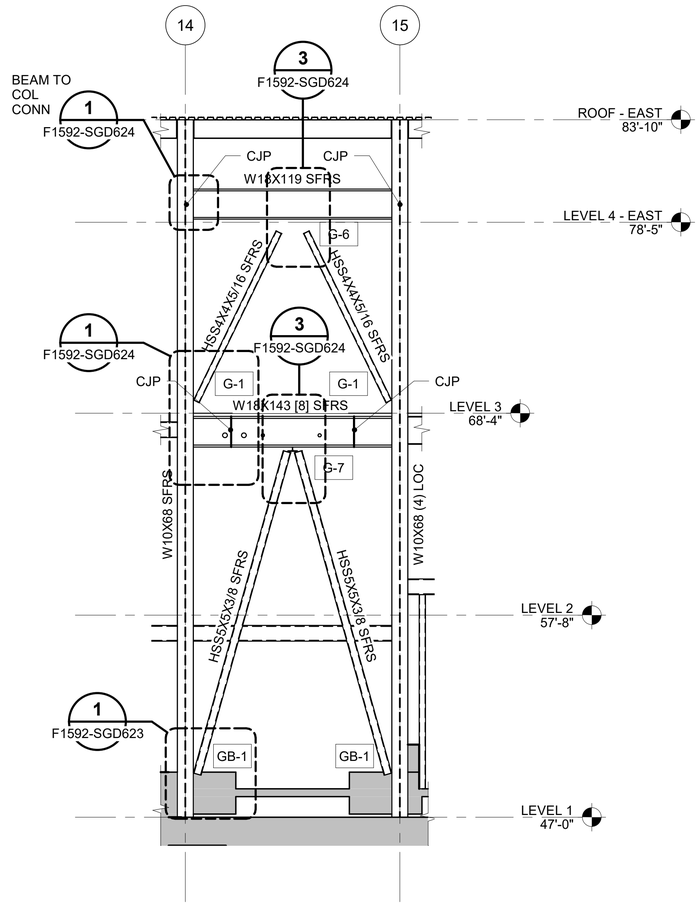
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FILENAME: S317-F1592-S_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
STRUCTURAL
BRACED FRAME ELEVATIONS

DRAWING No.: F1592-SGE351
FACILITY ID: F1592
SHEET No.: 208
REV.: 0

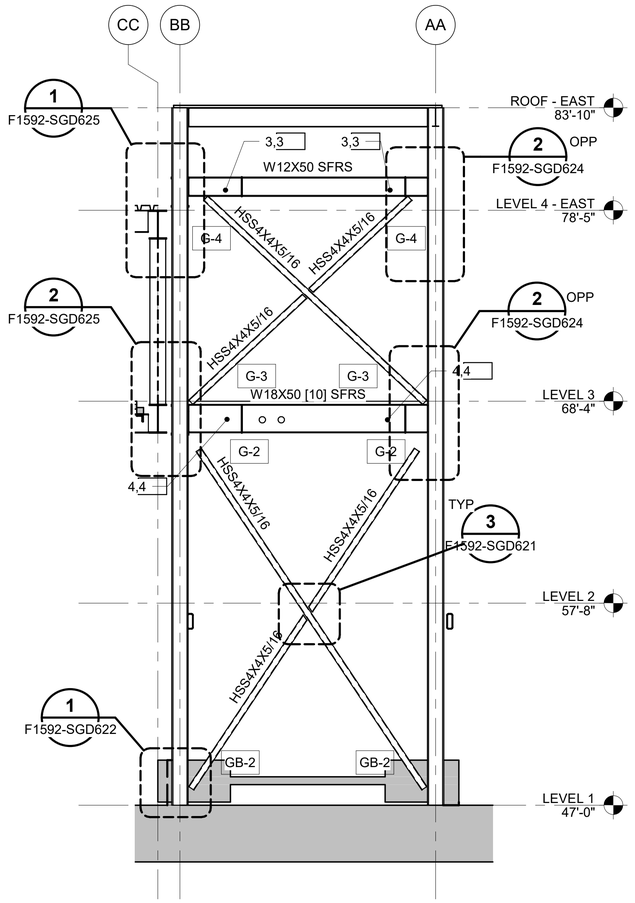
GENERAL NOTES:

1. REFERENCE DRAWINGS:
   BRACED FRAME DETAILS F1592-SGD621 TO F1592-SGD624
2. ALL FRAME MEMBERS SHOWN ARE PART OF THE SFRS.



ELEVATION - STAIR TOWER - BRACED FRAME (A / F1592-SGP102)

SCALE: 1/4" = 1'-0"



ELEVATION - STAIR TOWER - BRACED FRAME (B / F1592-SGP102)

SCALE: 1/4" = 1'-0"

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FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	NAS	JDA	SLR	FINAL AS-BUILT

DESIGNED BY: N. SCHWAB
DRAWN BY: M. AGUILING
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APPROVED BY: S. ROBERTS

kpff — SUBMITTED BY: SARA ROBERTS

HENSEL PHELPS Plan. Build. Manage. kpff — DATE: 10/26/2022 — REVIEWED BY: GREG SHIMIZU

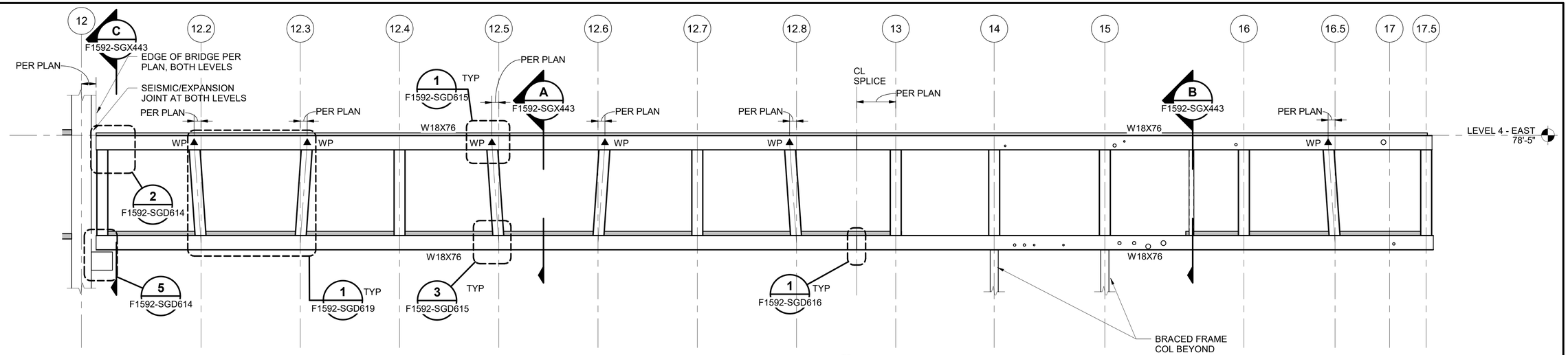
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SOUNDTRANSIT — DATE: 10/26/2022

SCALE: 1/4" = 1'-0"
FILENAME: S317-F1592-S_v2020
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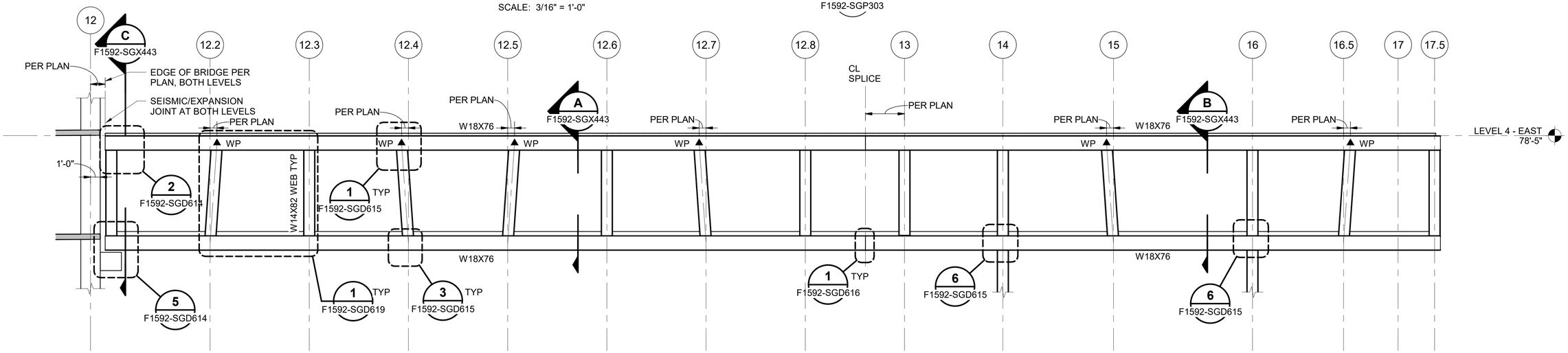
PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
STRUCTURAL
BRACED FRAME ELEVATIONS

DRAWING No.: F1592-SGE352
FACILITY ID: F1592
SHEET No.: 209
REV.: 0



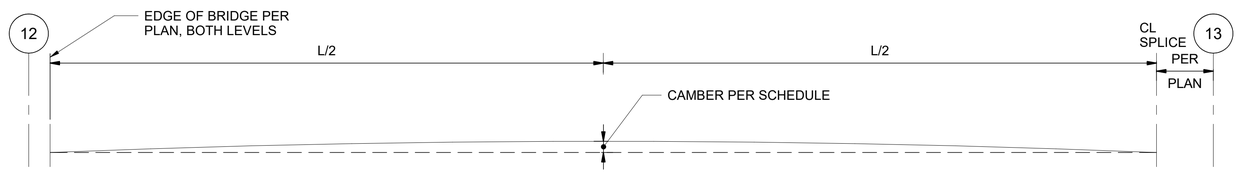
ELEVATION - PEDESTRIAN BRIDGE TRUSS A F1592-SGP303

SCALE: 3/16" = 1'-0"



ELEVATION - PEDESTRIAN BRIDGE TRUSS B F1592-SGP303

SCALE: 3/16" = 1'-0"



CAMBER DIAGRAM C -

SCALE: NTS

TRUSS CAMBER SCHEDULE			
CONDITION	DESIGN CAMBER	MINIMUM CAMBER	NOTES
INITIAL	9.5"	-	1,2
STEEL SELF-WEIGHT, PRIOR TO WELDING TRUSS SPLICE	9.3"	8.3"	2,3
DIRECTLY AFTER PLACEMENT OF CONCRETE DECK	8.7"	7.7"	2,3

TRUSS CAMBER NOTES:

1. INITIAL CAMBER IS OF FABRICATED TRUSS EXCLUDING SELF-WEIGHT OF STEEL TRUSS MEMBERS. THIS ASSUMES TRUSS IS ASSEMBLED ON ITS SIDE.
2. DESIGN CAMBER RESULTING FROM DEFLECTIONS ARE ESTIMATED. ACTUAL DEFLECTIONS MAY VARY.
3. VALUES LISTED IN THE SCHEDULE ABOVE DO NOT INCLUDE DEFLECTION OF TRANSVERSE BEAMS.

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	NAS	JDA	SLR	FINAL AS-BUILT

DESIGNED BY: N. SCHWAB
DRAWN BY: M. AGUILING
CHECKED BY: J. ARMENA
APPROVED BY: S. ROBERTS

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LINE IS 1" AT FULL SCALE

SOUNDTRANSIT

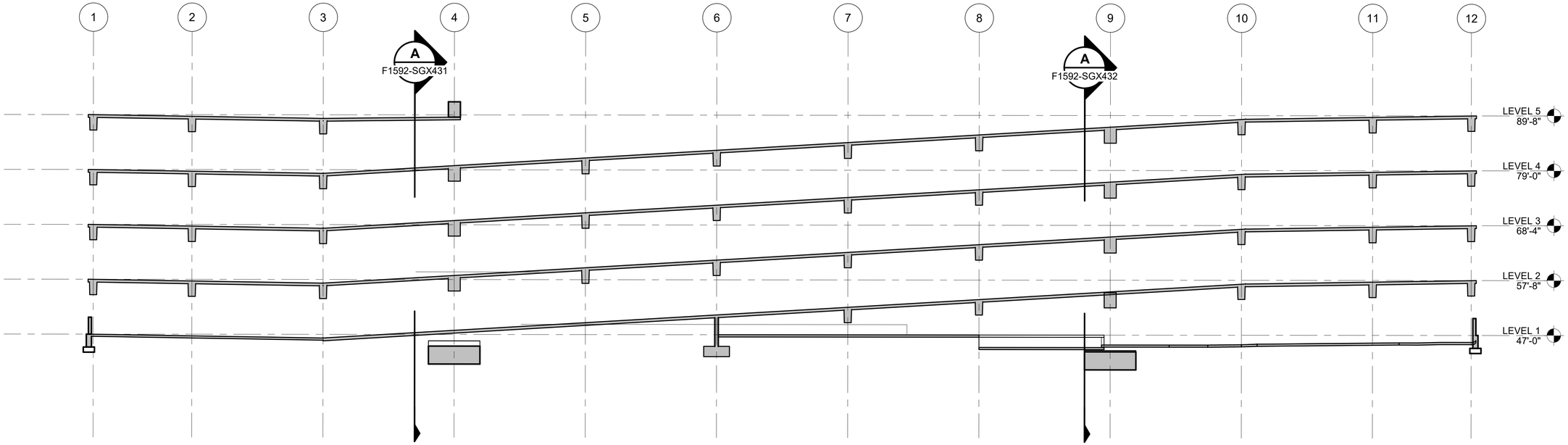
SUBMITTED BY: SARA ROBERTS
DATE: 10/26/2022
REVIEWED BY: GREG SHIMIZU
DATE: 10/26/2022

SCALE: AS NOTED
FILENAME: S317-F1592-S_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
STRUCTURAL
PEDESTRIAN BRIDGE ELEVATIONS

DRAWING No.: F1592-SGE353
FACILITY ID: F1592
SHEET No: 210
REV: 0

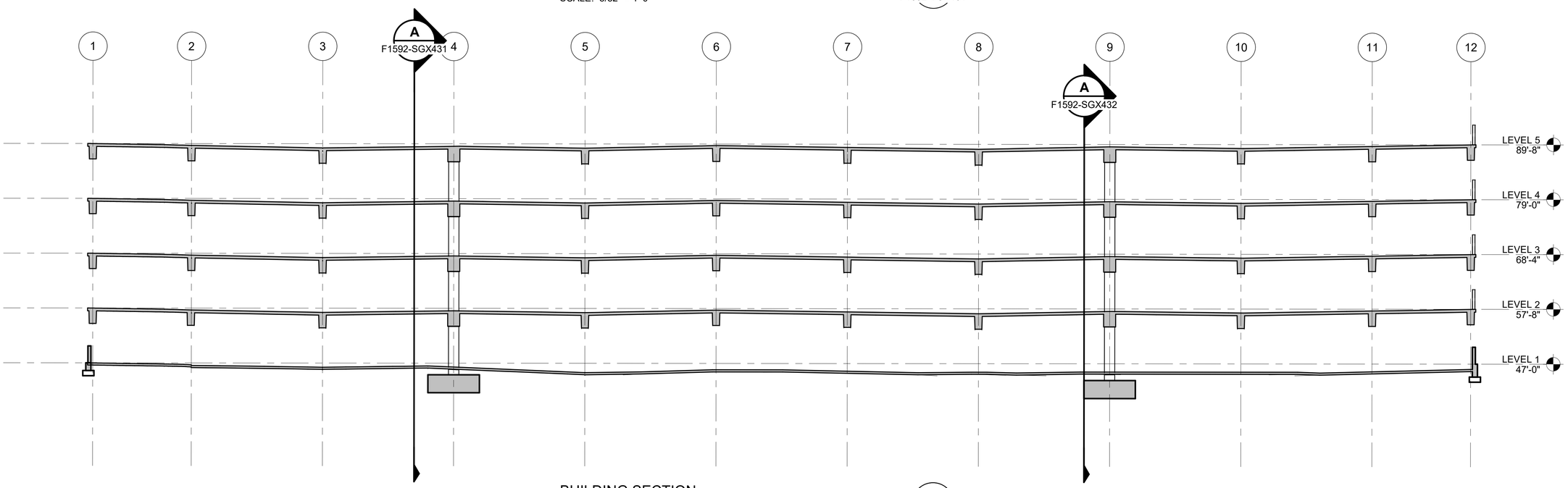
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BUILDING SECTION

SCALE: 3/32" = 1'-0"

A
F1592-SGP101



BUILDING SECTION

SCALE: 3/32" = 1'-0"

B
F1592-SGP101

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	NAS	JDA	SLR	FINAL AS-BUILT

DESIGNED BY: N. SCHWAB
DRAWN BY: M. AGUILING
CHECKED BY: J. ARMENA
APPROVED BY: S. ROBERTS

kpff
SUBMITTED BY: SARA ROBERTS

HENSEL PHELPS
Plan. Build. Manage.
kpff
DATE: 10/26/2022
REVIEWED BY: GREG SHIMIZU

LINE IS 1" AT FULL SCALE

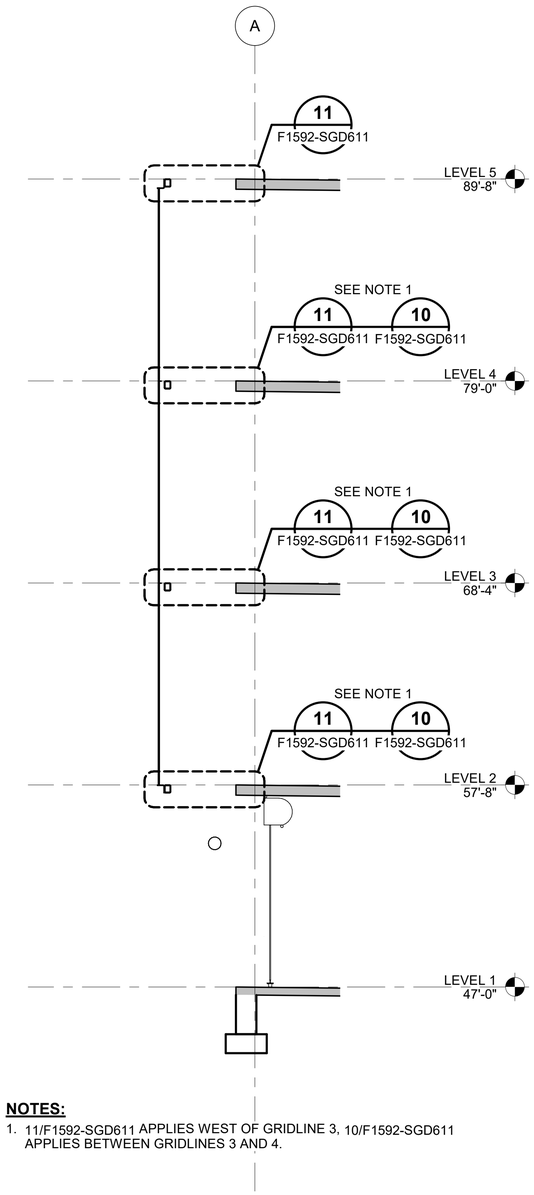
SOUNDTRANSIT
DATE: 10/26/2022

SCALE: 3/32" = 1'-0"
FILENAME: S317-F1592-S_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
STRUCTURAL
BUILDING SECTIONS

DRAWING No.: **F1592-SGX411**
FACILITY ID: F1592
SHEET No: 211
REV: 0

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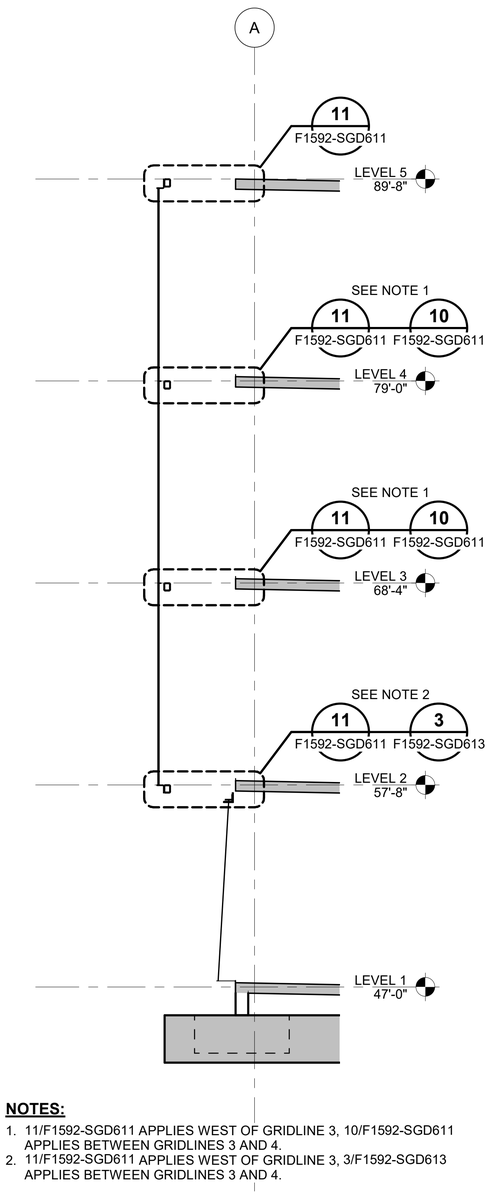


NOTES:

1. 11/F1592-SGD611 APPLIES WEST OF GRIDLINE 3, 10/F1592-SGD611 APPLIES BETWEEN GRIDLINES 3 AND 4.

ELEVATION A — F1592-SGP202

SCALE: 1/4" = 1'-0"

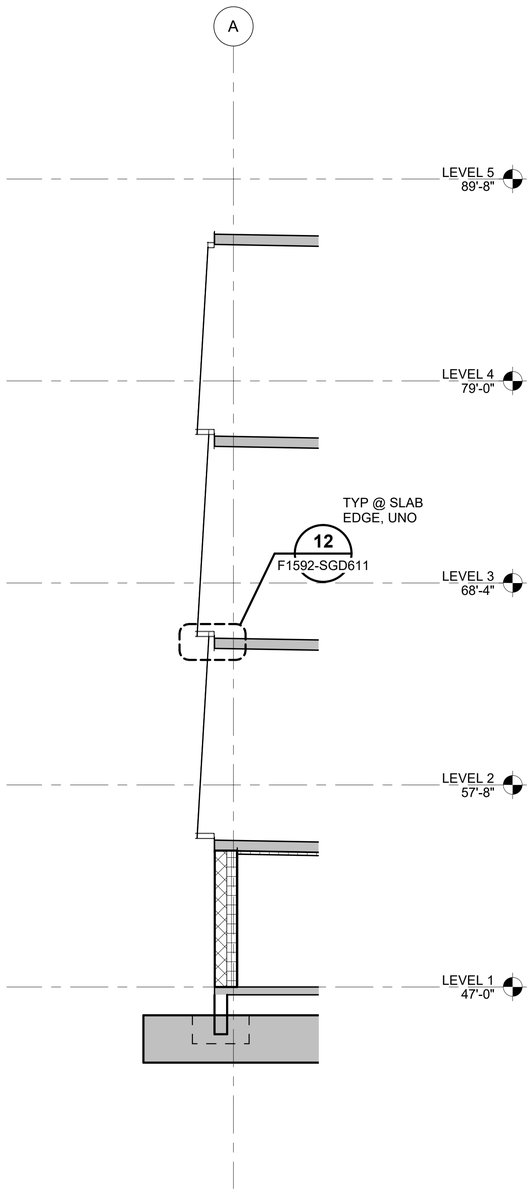


NOTES:

1. 11/F1592-SGD611 APPLIES WEST OF GRIDLINE 3, 10/F1592-SGD611 APPLIES BETWEEN GRIDLINES 3 AND 4.
2. 11/F1592-SGD611 APPLIES WEST OF GRIDLINE 3, 3/F1592-SGD613 APPLIES BETWEEN GRIDLINES 3 AND 4.

ELEVATION B — F1592-SGP202

SCALE: 1/4" = 1'-0"



ELEVATION C — F1592-SGP202

SCALE: 1/4" = 1'-0"

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	NAS	JDA	SLR	FINAL AS-BUILT

DESIGNED BY: N. SCHWAB
DRAWN BY: M. AGUILING
CHECKED BY: J. ARMENA
APPROVED BY: S. ROBERTS

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LINE IS 1" AT FULL SCALE

SOUNDTRANSIT

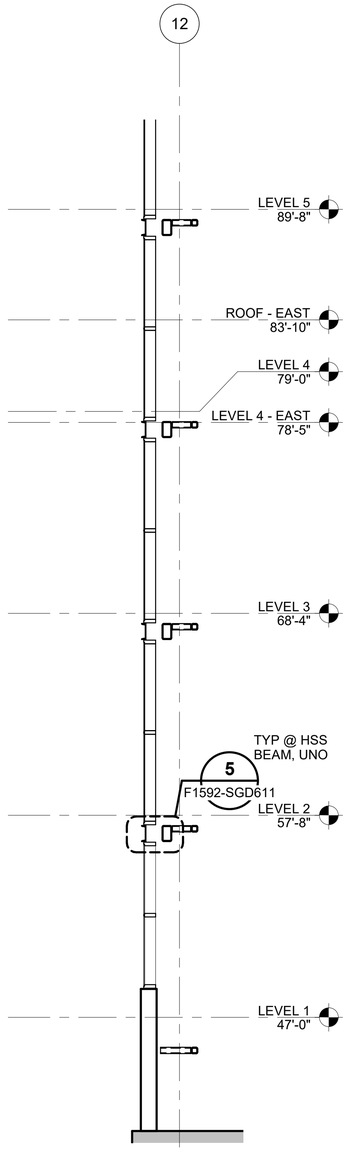
SUBMITTED BY: SARA ROBERTS
DATE: 10/26/2022
REVIEWED BY: GREG SHIMIZU
DATE: 10/26/2022

SCALE: 1/4" = 1'-0"
FILENAME: S317-F1592-S_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
STRUCTURAL
CLADDING SECTIONS

DRAWING No.: F1592-SGX421
FACILITY ID: F1592
SHEET No: 212
REV: 0

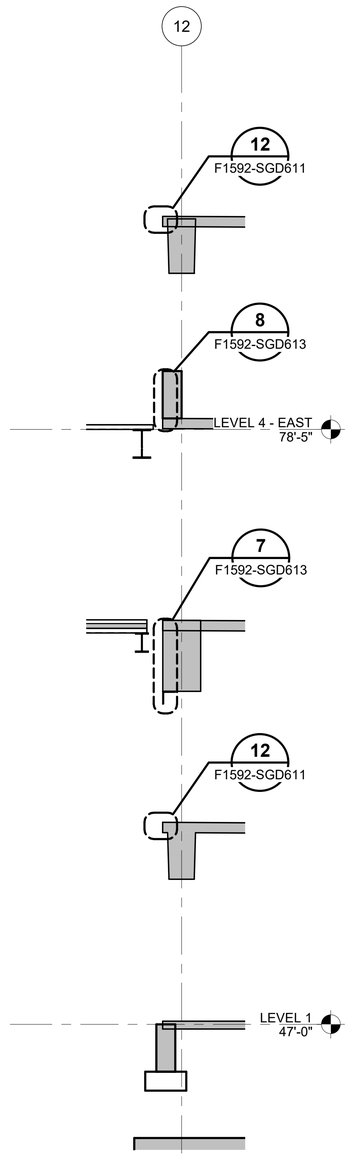
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ELEVATION

SCALE: 1/4" = 1'-0"

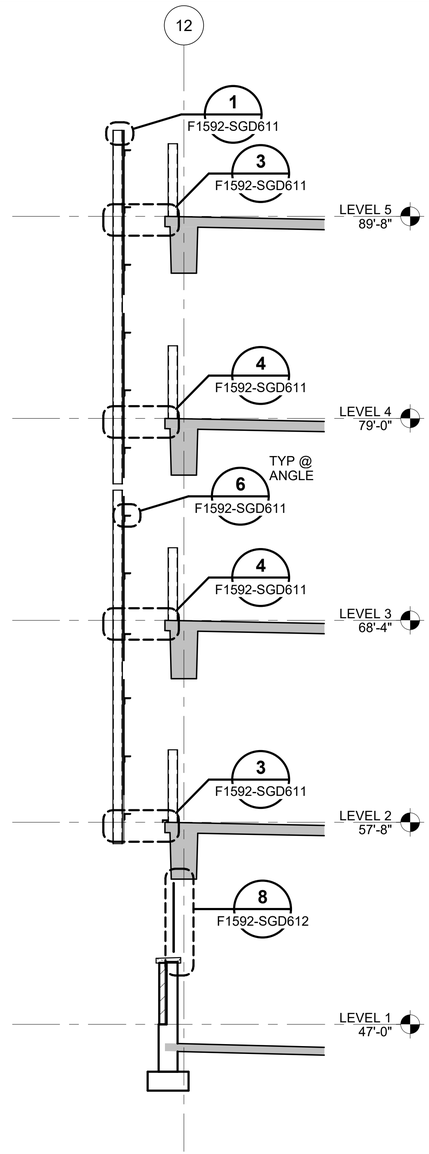
A
F1592-SGP202



ELEVATION

SCALE: 1/4" = 1'-0"

B
F1592-SFP101



ELEVATION

SCALE: 1/4" = 1'-0"

C
F1592-SGP202

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	NAS	JDA	SLR	FINAL AS-BUILT

DESIGNED BY: N. SCHWAB
DRAWN BY: M. AGUILING
CHECKED BY: J. ARMENA
APPROVED BY: S. ROBERTS

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LINE IS 1" AT FULL SCALE

SOUNDTRANSIT

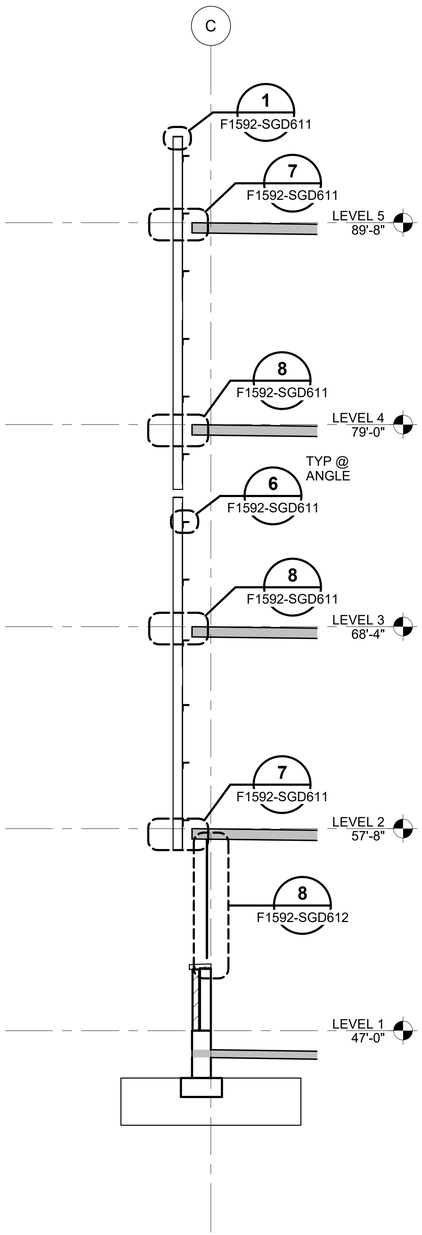
SUBMITTED BY: SARA ROBERTS
DATE: 10/26/2022
REVIEWED BY: GREG SHIMIZU
DATE: 10/26/2022

SCALE: 1/4" = 1'-0"
FILENAME: S317-F1592-S_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
STRUCTURAL
CLADDING SECTIONS

DRAWING No.: F1592-SGX422
FACILITY ID: F1592
SHEET No.: 213
REV.: 0

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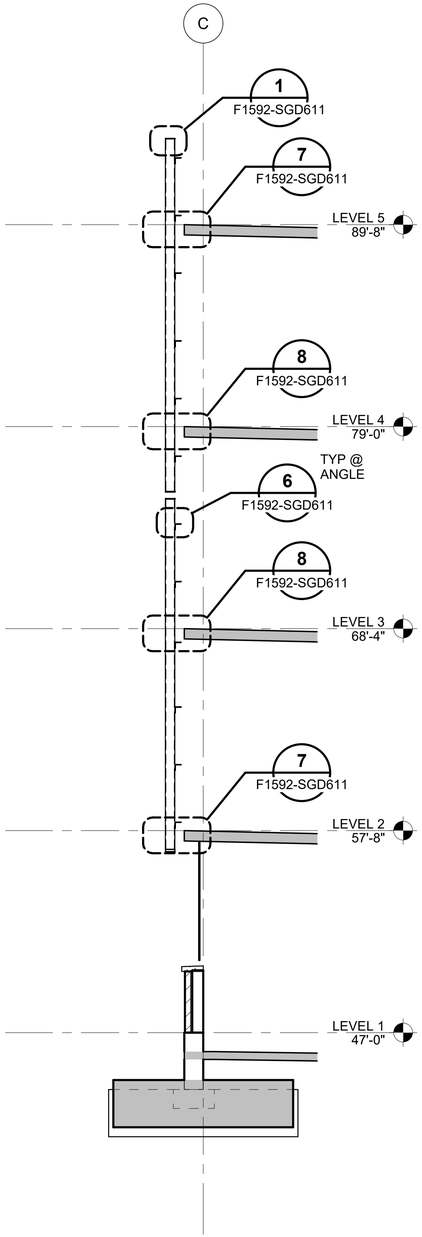


ELEVATION

SCALE: 1/4" = 1'-0"

A

F1592-SGP202

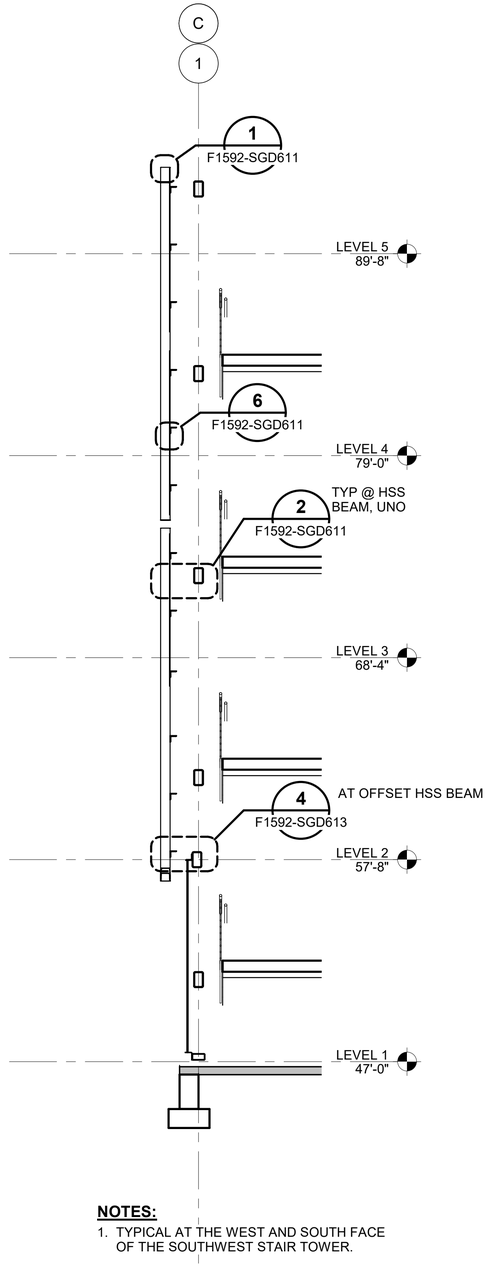


ELEVATION

SCALE: 1/4" = 1'-0"

B

F1592-SGP202



NOTES:

1. TYPICAL AT THE WEST AND SOUTH FACE OF THE SOUTHWEST STAIR TOWER.

ELEVATION

SCALE: 1/4" = 1'-0"

C

F1592-SGP202

6/21/2022 4:48:41 PM
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FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	NAS	JDA	SLR	FINAL AS-BUILT

DESIGNED BY: N. SCHWAB
DRAWN BY: M. AGUILING
CHECKED BY: J. ARMENA
APPROVED BY: S. ROBERTS

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SUBMITTED BY: SARA ROBERTS

HENSEL PHELPS
Plan. Build. Manage.
kpff

DATE: 10/26/2022

REVIEWED BY: GREG SHIMIZU

LINE IS 1" AT FULL SCALE

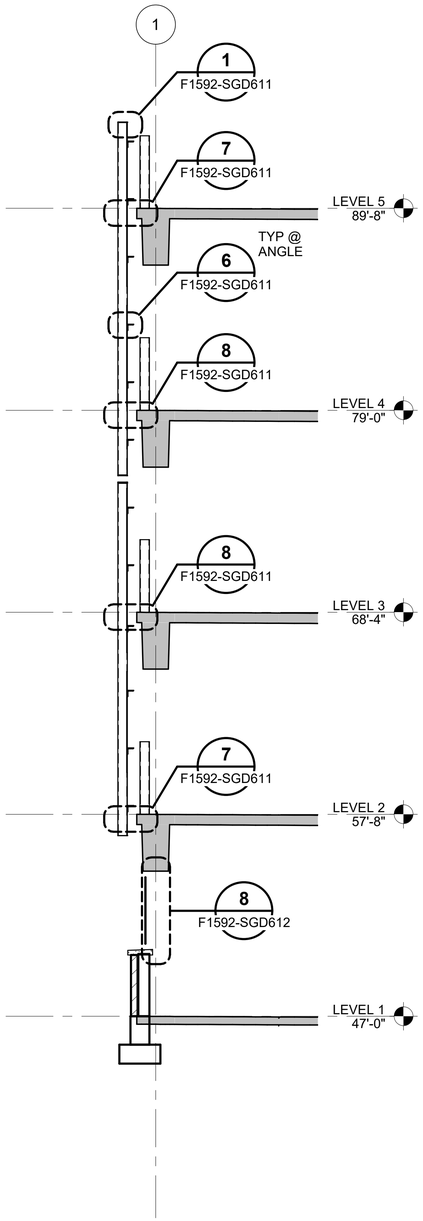
SOUNDTRANSIT

DATE: 10/26/2022

SCALE: 1/4" = 1'-0"
FILENAME: S317-F1592-S_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

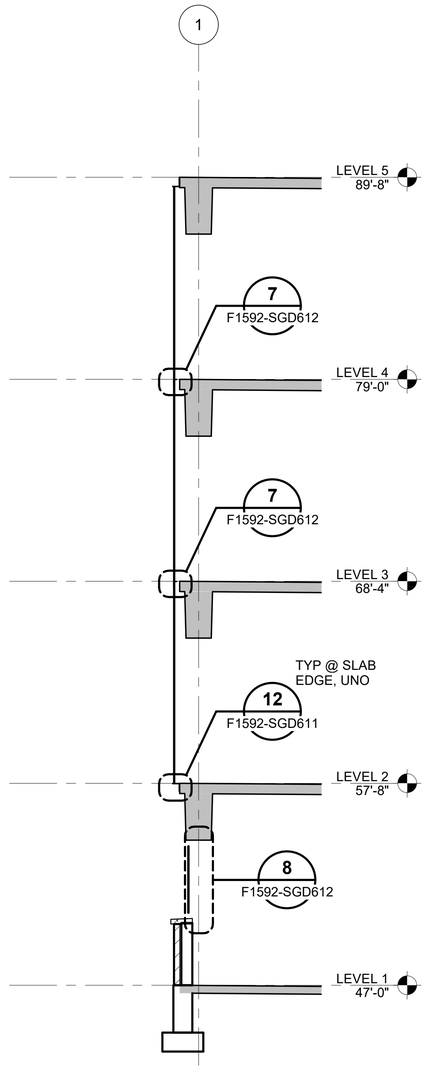
PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
STRUCTURAL
CLADDING SECTIONS

DRAWING No.: F1592-SGX423
FACILITY ID: F1592
SHEET No.: 214
REV.: 0



ELEVATION A F1592-SGP202

SCALE: 1/4" = 1'-0"



ELEVATION B F1592-SGP202

SCALE: 1/4" = 1'-0"

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	NAS	JDA	SLR	FINAL AS-BUILT

DESIGNED BY: N. SCHWAB
DRAWN BY: M. AGUILING
CHECKED BY: J. ARMENA
APPROVED BY: S. ROBERTS

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LINE IS 1" AT FULL SCALE

SOUNDTRANSIT

SUBMITTED BY: SARA ROBERTS
DATE: 10/26/2022
REVIEWED BY: GREG SHIMIZU
DATE: 10/26/2022

SCALE: 1/4" = 1'-0"
FILENAME: S317-F1592-S_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

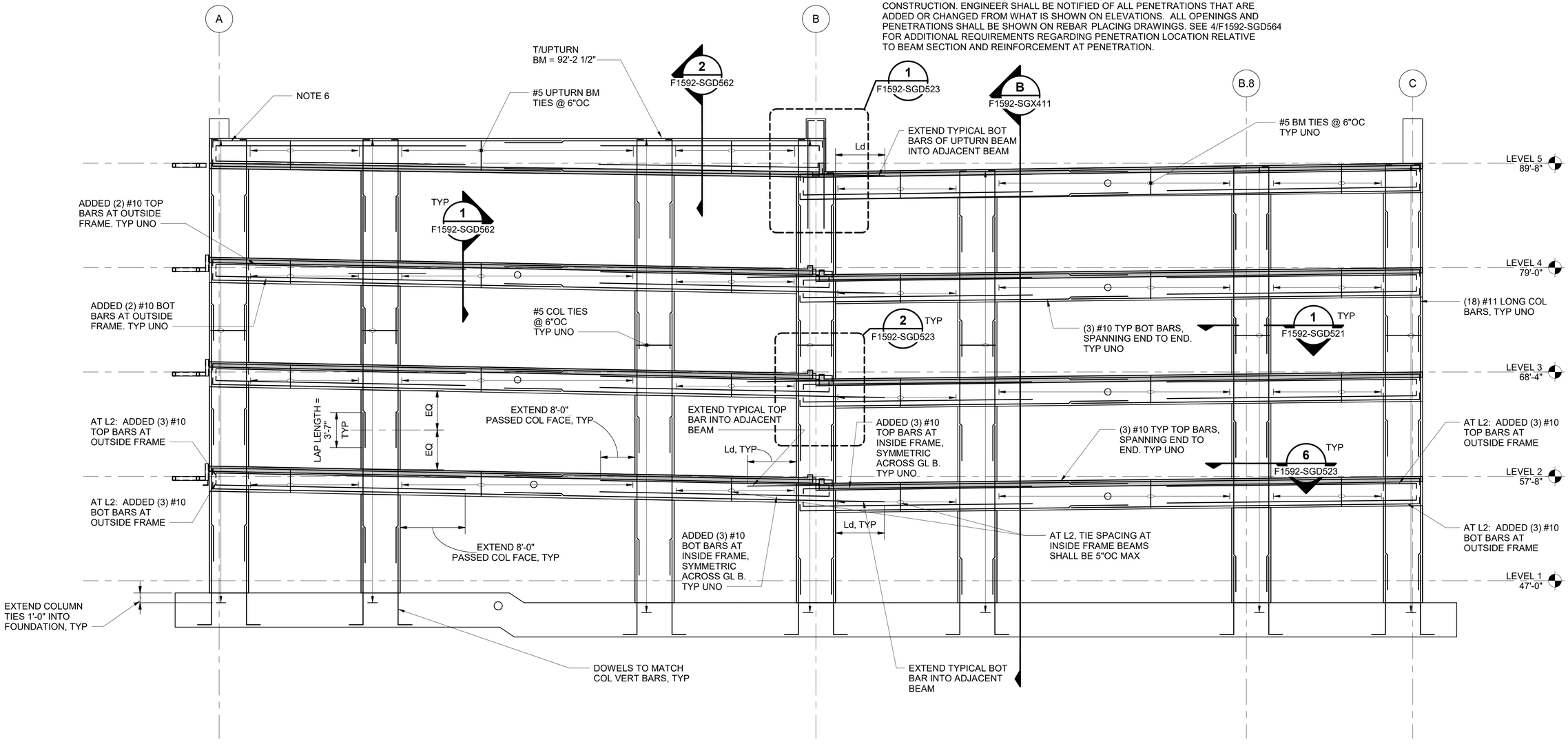
PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
STRUCTURAL
CLADDING SECTIONS

DRAWING No.: F1592-SGX424
FACILITY ID: F1592
SHEET No.: 215
REV.: 0

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MOMENT FRAME NOTES:

1. AT COLUMN LAP SPLICES, TIES SHALL BE SPACED AT 4" OC MAX.
2. SLAB ON GRADE AT THIS BUILDING SECTION NOT SHOWN FOR CLARITY.
3. FOR TYPICAL JOINT DETAILS, SEE 5/F1592-SGD523
4. IF MECHANICAL SPLICES ARE USED, THEY SHALL BE TYPE 2.
5. BEAM PENETRATIONS ARE NOT PERMITTED WITHIN 9'-0" OF MOMENT FRAME COLUMNS. BEAM PENETRATIONS SHALL BE MAXIMUM 6"Ø AND LOCATED WITHIN MIDDLE 1/3 OF BEAM DEPTH. CONTRACTOR SHALL COORDINATE/VERIFY ALL MECHANICAL, ELECTRICAL, AND PLUMBING PENETRATIONS PRIOR TO CONSTRUCTION. ENGINEER SHALL BE NOTIFIED OF ALL PENETRATIONS THAT ARE ADDED OR CHANGED FROM WHAT IS SHOWN ON ELEVATIONS. ALL OPENINGS AND PENETRATIONS SHALL BE SHOWN ON REBAR PLACING DRAWINGS. SEE 4/F1592-SGD564 FOR ADDITIONAL REQUIREMENTS REGARDING PENETRATION LOCATION RELATIVE TO BEAM SECTION AND REINFORCEMENT AT PENETRATION.
6. PROVIDE (2) #5 U-BARS @ 6" OC AT TOP OF COLUMN-UPTURN BEAM CONNECTION. THIS APPLIES AT THE (4) COLUMN LOCATIONS ALONG THE UPTURNED MOMENT FRAME BEAM ON GRIDLINE 4 BETWEEN GRIDS A AND B. U-BARS ARE NOT REQUIRED WITHIN THE COLUMN EXTENSIONS ON GRIDS A4 AND B4.



BUILDING SECTION - ALONG GL 4

SCALE: 3/16" = 1'-0"

A F1592-SGP101

6/21/2022 4:48:44 PM
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FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	NAS	JDA	SLR	FINAL AS-BUILT

DESIGNED BY: N. SCHWAB
DRAWN BY: M. AGUILING
CHECKED BY: J. ARMENA
APPROVED BY: S. ROBERTS

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LINE IS 1" AT FULL SCALE

SOUNDTRANSIT

SUBMITTED BY: SARA ROBERTS
DATE: 10/26/2022
REVIEWED BY: GREG SHIMIZU
DATE: 10/26/2022

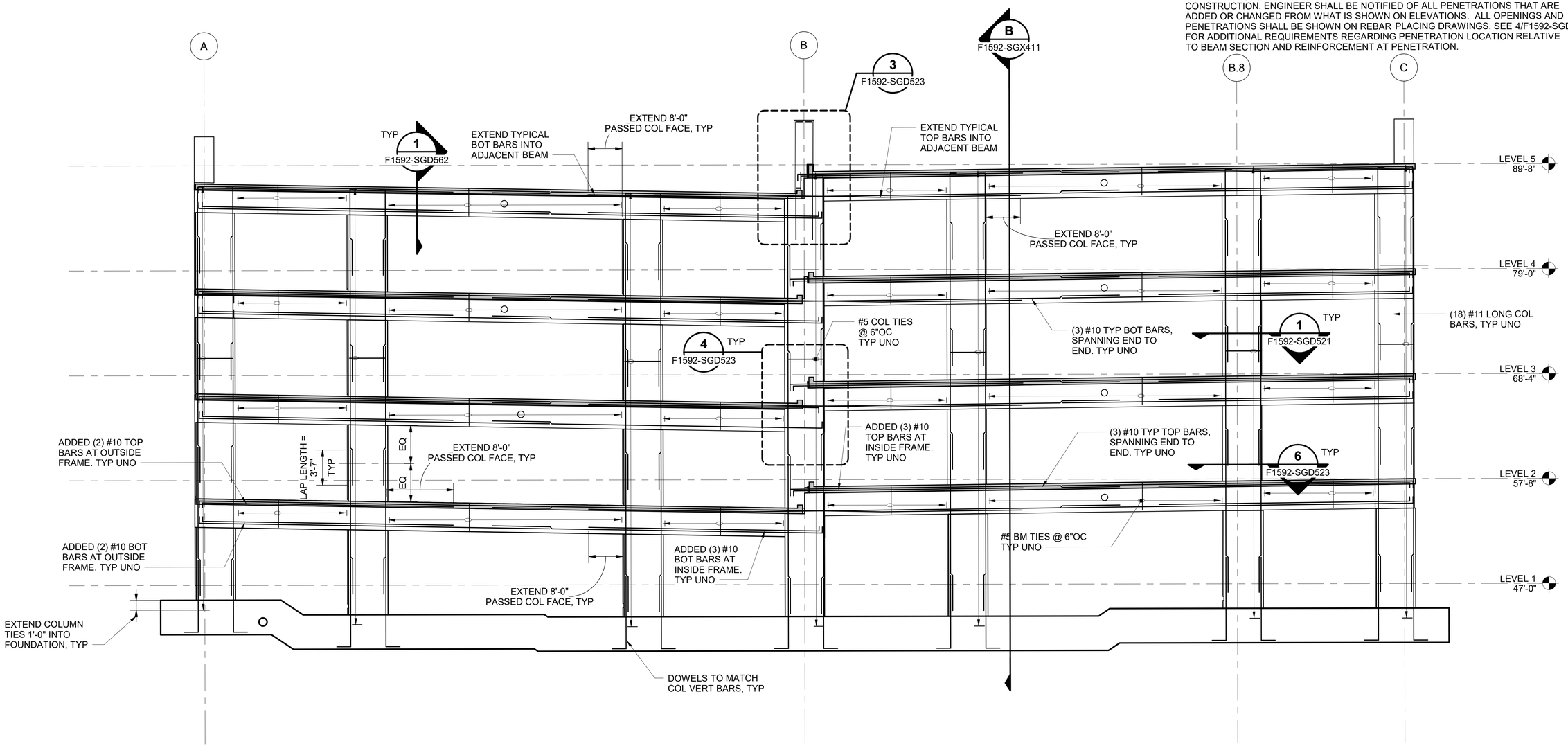
SCALE: 3/16" = 1'-0"
FILENAME: S317-F1592-S_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
STRUCTURAL
MOMENT FRAME BUILDING SECTIONS

DRAWING No.: F1592-SGX431
FACILITY ID: F1592
SHEET No.: 216
REV.: 0

MOMENT FRAME NOTES:

1. AT COLUMN LAP SPLICES, TIES SHALL BE SPACED AT 4" OC MAX.
2. SLAB ON GRADE AT THIS BUILDING SECTION NOT SHOWN FOR CLARITY.
3. FOR TYPICAL JOINT DETAILS, SEE 5/F1592-SGD523
4. IF MECHANICAL SPLICES ARE USED, THEY SHALL BE TYPE 2.
5. BEAM PENETRATIONS ARE NOT PERMITTED WITHIN 9'-0" OF MOMENT FRAME COLUMNS. BEAM PENETRATIONS SHALL BE MAXIMUM 6"Ø AND LOCATED WITHIN MIDDLE 1/3 OF BEAM DEPTH. CONTRACTOR SHALL COORDINATE/VERIFY ALL MECHANICAL, ELECTRICAL, AND PLUMBING PENETRATIONS PRIOR TO CONSTRUCTION. ENGINEER SHALL BE NOTIFIED OF ALL PENETRATIONS THAT ARE ADDED OR CHANGED FROM WHAT IS SHOWN ON ELEVATIONS. ALL OPENINGS AND PENETRATIONS SHALL BE SHOWN ON REBAR PLACING DRAWINGS. SEE 4/F1592-SGD564 FOR ADDITIONAL REQUIREMENTS REGARDING PENETRATION LOCATION RELATIVE TO BEAM SECTION AND REINFORCEMENT AT PENETRATION.



BUILDING SECTION - ALONG GL 9

SCALE: 3/16" = 1'-0"

A
F1592-SGP101

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	NAS	JDA	SLR	FINAL AS-BUILT

DESIGNED BY: N. SCHWAB
DRAWN BY: M. AGUILING
CHECKED BY: J. ARMENA
APPROVED BY: S. ROBERTS

kpff — SUBMITTED BY: SARA ROBERTS — DATE: 10/26/2022

HENSEL PHELPS Plan. Build. Manage. kpff — REVIEWED BY: GREG SHIMIZU — DATE: 10/26/2022

LINE IS 1" AT FULL SCALE

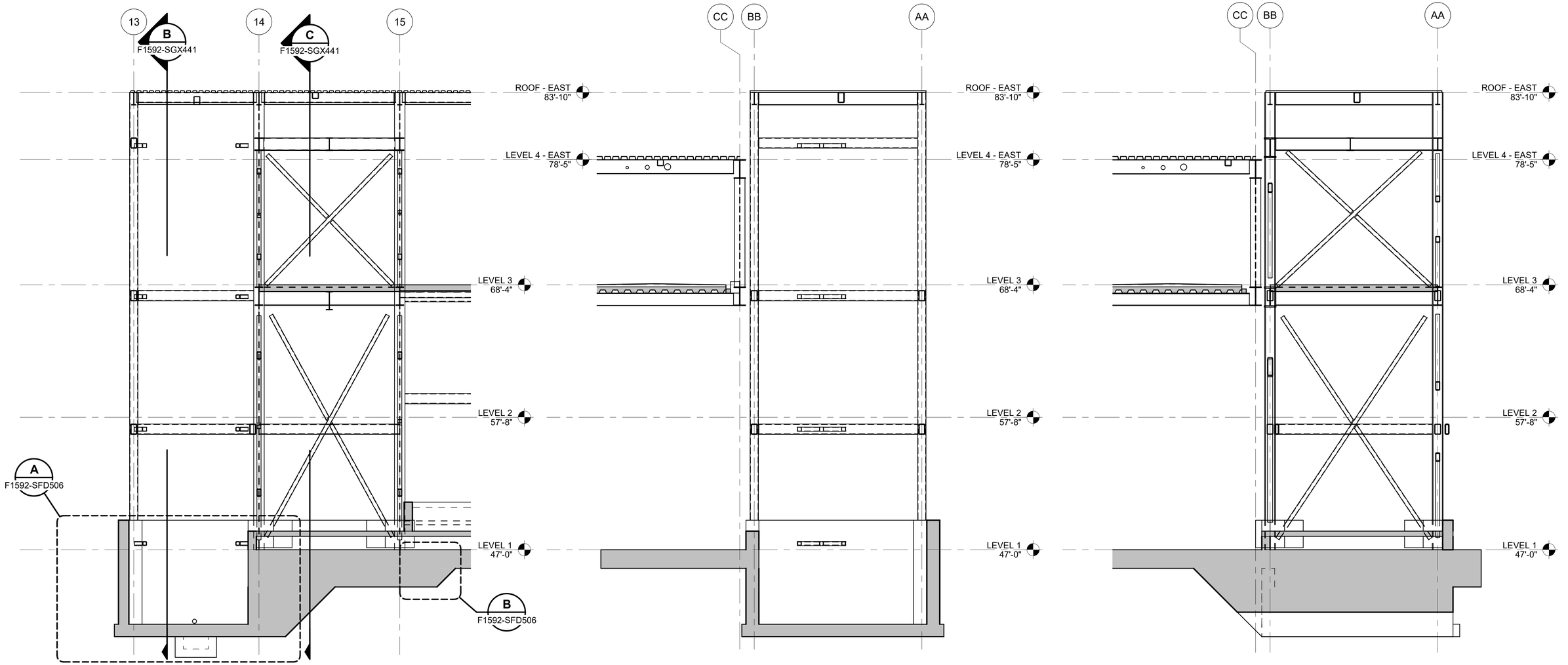
SOUNDTRANSIT — SUBMITTAL DATE: 10/26/2022

SCALE: 3/16" = 1'-0"
FILENAME: S317-F1592-S_v2020
CONTRACT No.: RTA/CN 0612-18

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
STRUCTURAL
MOMENT FRAME BUILDING SECTIONS

DRAWING No.: F1592-SGX432
FACILITY ID: F1592
SHEET No: 217
REV: 0

6/21/2022 4:48:45 PM
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PEDESTRIAN BRIDGE SECTION — A F1592-SFP102

SCALE: 1/4" = 1'-0"

PEDESTRIAN BRIDGE SECTION — B F1592-SFP102

SCALE: 1/4" = 1'-0"

PEDESTRIAN BRIDGE SECTION — C F1592-SFP102

SCALE: 1/4" = 1'-0"

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	NAS	JDA	SLR	FINAL AS-BUILT

DESIGNED BY: N. SCHWAB
DRAWN BY: M. AGUILING
CHECKED BY: J. ARMENA
APPROVED BY: S. ROBERTS

kpff

SUBMITTED BY: SARA ROBERTS

HENSEL PHELPS
Plan. Build. Manage.
kpff

DATE: 10/26/2022

REVIEWED BY: GREG SHIMIZU

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT

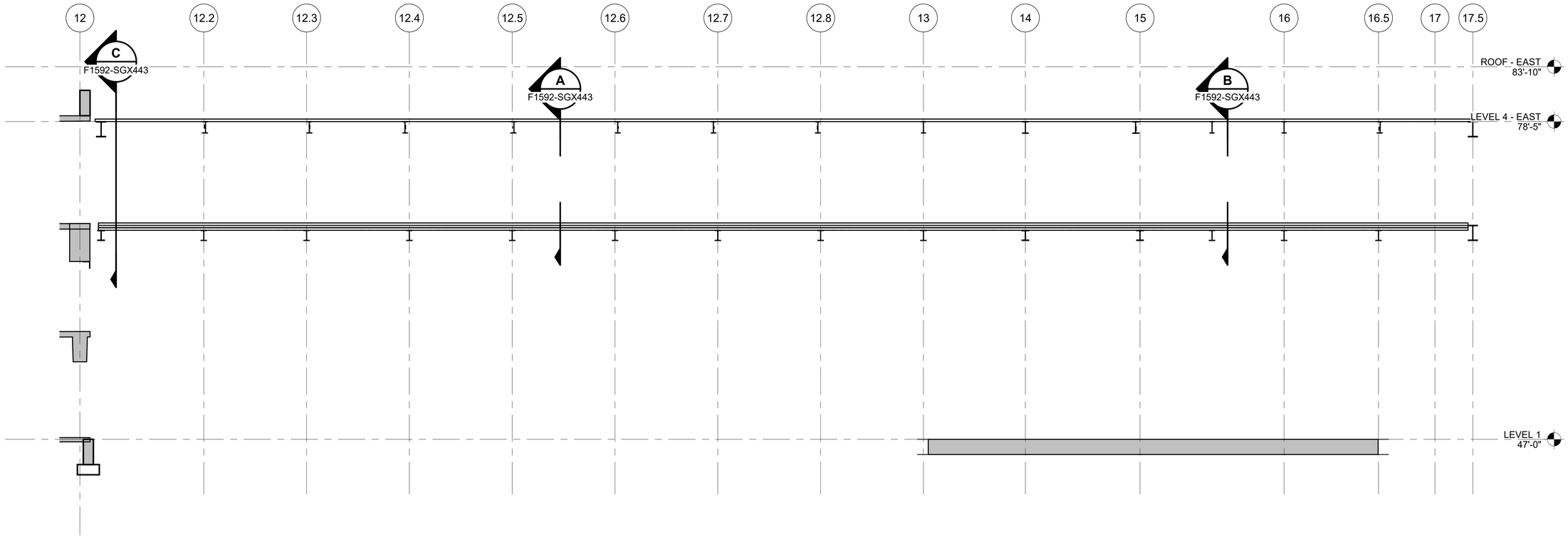
DATE: 10/26/2022

SCALE: 1/4" = 1'-0"
FILENAME: S317-F1592-S_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
STRUCTURAL
FOUNDATION SECTIONS

DRAWING No.: F1592-SGX441
FACILITY ID: F1592
SHEET No: 218
REV: 0

6/21/2022 4:48:48 PM
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BUILDING SECTION

SCALE: 3/16" = 1'-0"

A
F1592-SGP303

6/21/2022 4:48:49 PM
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FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	NAS	JDA	SLR	FINAL AS-BUILT

DESIGNED BY: N. SCHWAB
DRAWN BY: M. AGUILING
CHECKED BY: J. ARMENA
APPROVED BY: S. ROBERTS

kpff
SUBMITTED BY: SARA ROBERTS

HENSEL PHELPS
Plan. Build. Manage.
kpff
DATE: 10/26/2022
REVIEWED BY: GREG SHIMIZU

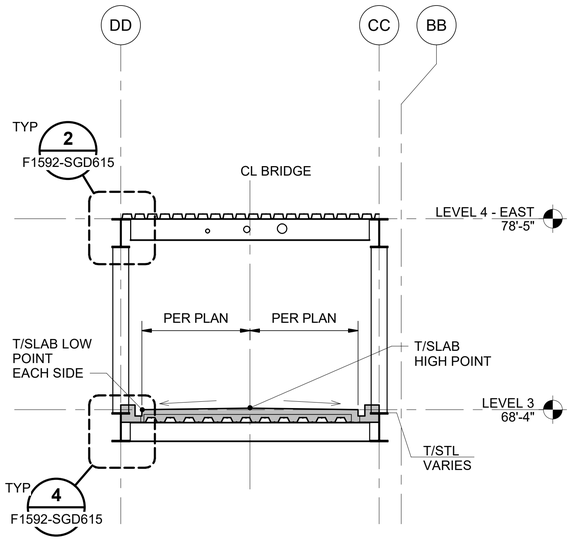
LINE IS 1" AT FULL SCALE

SOUNDTRANSIT
DATE: 10/26/2022

SCALE: 3/16" = 1'-0"
FILENAME: S317-F1592-S_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
STRUCTURAL
PEDESTRIAN BRIDGE SECTIONS

DRAWING No.: F1592-SGX442
FACILITY ID: F1592
SHEET No.: 219
REV.: 0

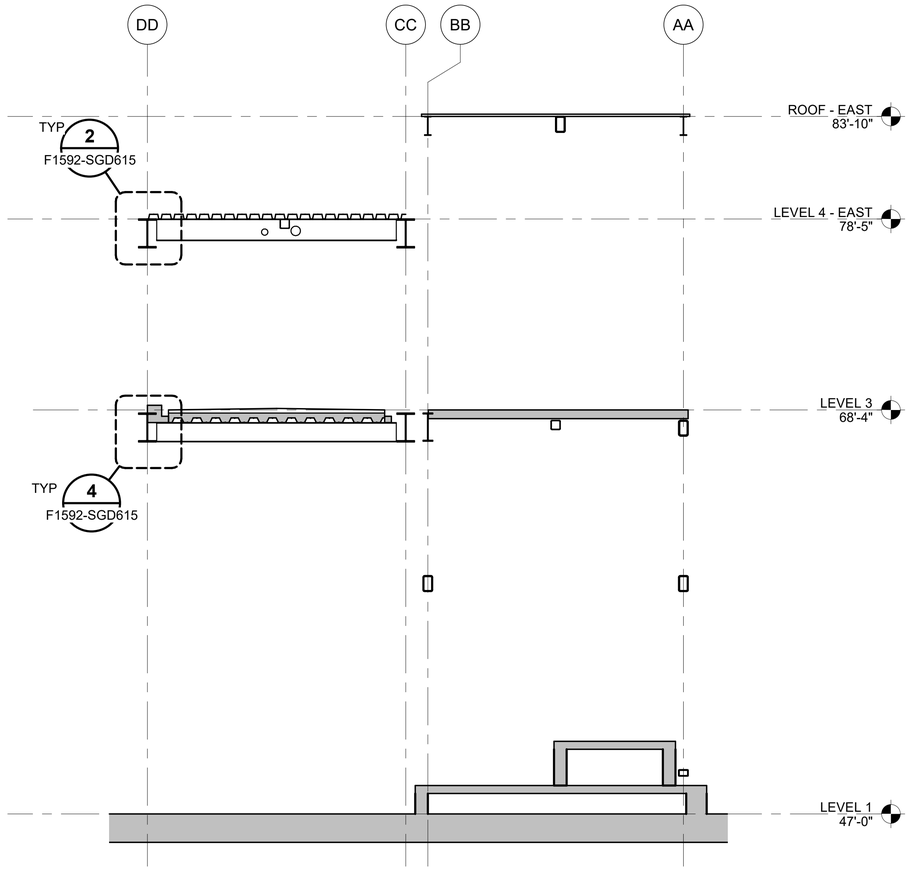


BUILDING SECTION

SCALE: 1/4" = 1'-0"

A

F1592-SGP303

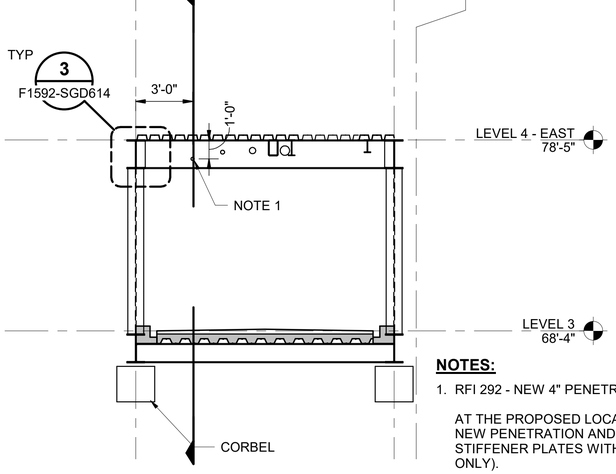


BUILDING SECTION

SCALE: 1/4" = 1'-0"

B

F1592-SGP102



NOTES:

1. RFI 292 - NEW 4" PENETRATION

   AT THE PROPOSED LOCATION, 1/4" STIFFENER PLATES WILL BE REQUIRED ON EACH SIDE OF THE NEW PENETRATION AND ON EACH SIDE OF THE WEB (4 TOTAL STIFFENER PLATES). WELD STIFFENER PLATES WITH 1/4" FILLET WELD TO TOP FLANGE, BOT FLANGE, AND WEB (ONE SIDE ONLY).

   IF NEW PENETRATION CAN BE MOVED NORTH SO THAT IT IS WITHIN THE MIDDLE HALF OF THE W18X76 SPAN AND IT'S AT LEAST 12" CLEAR DISTANCE AWAY FROM THE ADJACENT EXISTING PENETRATION (2"Ø), THEN IT IS ACCEPTABLE TO INSTALL THE NEW 4"Ø PEN WITHOUT ADDED STIFFENER PLATES.

   NEW PENETRATION TO BE DRILLED PER SPEC 05 12 00 OR TO BE THERMALLY CUT PER REQUIREMENTS IN CHAPTER M OF AISC 360 (AS NOTED IN DETAIL 6/F1592-SGD604)

PEDESTRIAN BRIDGE SECTION

SCALE: 1/4" = 1'-0"

C

F1592-SGP303

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	NAS	JDA	SLR	FINAL AS-BUILT

DESIGNED BY: N. SCHWAB
DRAWN BY: M. AGUILING
CHECKED BY: J. ARMENA
APPROVED BY: S. ROBERTS

kpff

SUBMITTED BY: SARA ROBERTS

HENSEL PHELPS
Plan. Build. Manage.
kpff

DATE: 10/26/2022

REVIEWED BY: GREG SHIMIZU

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT

DATE: 10/26/2022

SCALE: 1/4" = 1'-0"
FILENAME: S317-F1592-S_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
STRUCTURAL
PEDESTRIAN BRIDGE SECTIONS

DRAWING No.: F1592-SGX443
FACILITY ID: F1592
SHEET No: 220
REV: 0

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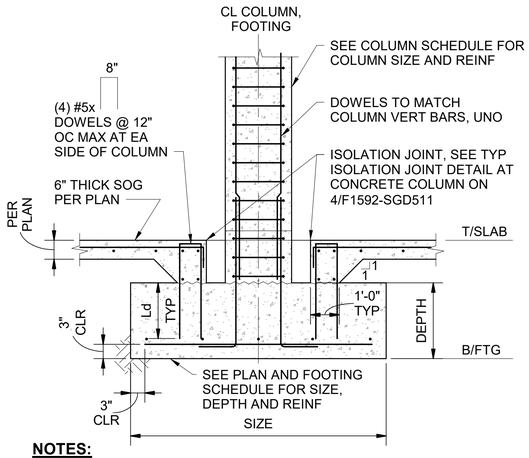
FOUNDATION SCHEDULE

TYPE MARK	DIMENSIONS LENGTH	DIMENSIONS WIDTH	DEPTH	REINFORCING	MAX DESIGN LOAD (ASD)
F-4	4'-0"	4'-0"	1'-3"	(4) #8 BOT BARS EW	96 kip
F-7.5	PER PLAN	7'-6"	3'-0"	(7) #7 LONG BARS T&B #7 TRANS BARS @ 18" OC T&B	450 kip
F-8	PER PLAN	8'-0"	3'-0"	(5) #7 TOP LONG BARS (8) #7 BOT LONG BARS #7 TRANS BARS @ 18" OC T&B	430 kip
F-9.5	9'-6"	9'-6"	2'-6"	(8) #8 BOT BARS EW	542 kip
F-9.5A	PER PLAN	PER PLAN	2'-6"	(6) #7 TOP&BOT BARS EW	320 kip
F-10	10'-0"	10'-0"	2'-6"	(8) #9 BOT BARS EW	600 kip

NOTES:

1. SEE DETAIL 2/F1592-SFD501 FOR TYPICAL CONCRETE COLUMN FOOTING

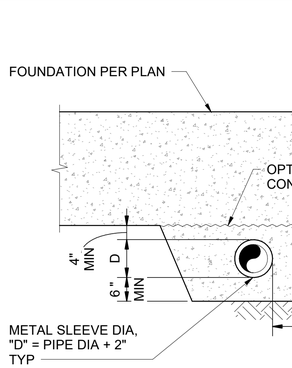
FOUNDATION SCHEDULE — 1 — SCALE: NTS



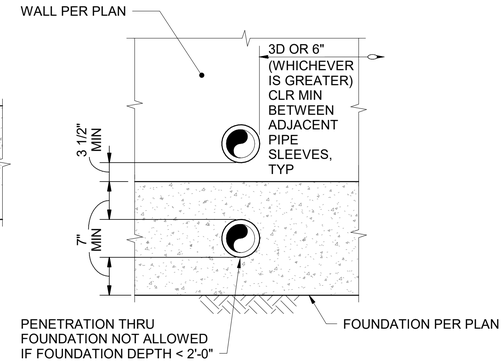
NOTES:

1. ACCEPTABLE TO USE (2) HOOKED DOWELS IN LIEU OF (1) U-BAR DOWEL.
2. ACCEPTABLE TO HAVE ARE IN LIEU OF CAST IN DOWELS FOR SLAB-ON-GRADE TO FOOTING CONNECTION ARE TO HAVE 9" EFFECTIVE EMBED INTO FOOTING.

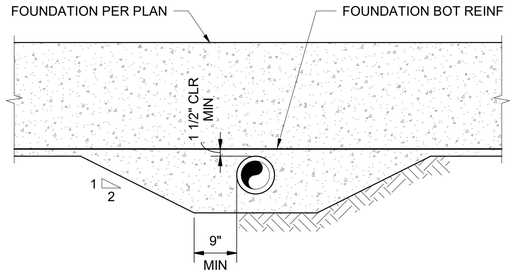
TYP CONCRETE COLUMN FOOTING — 2 — SCALE: NTS



PIPE BELOW FOUNDATION



PIPE THRU FOUNDATION OR WALL

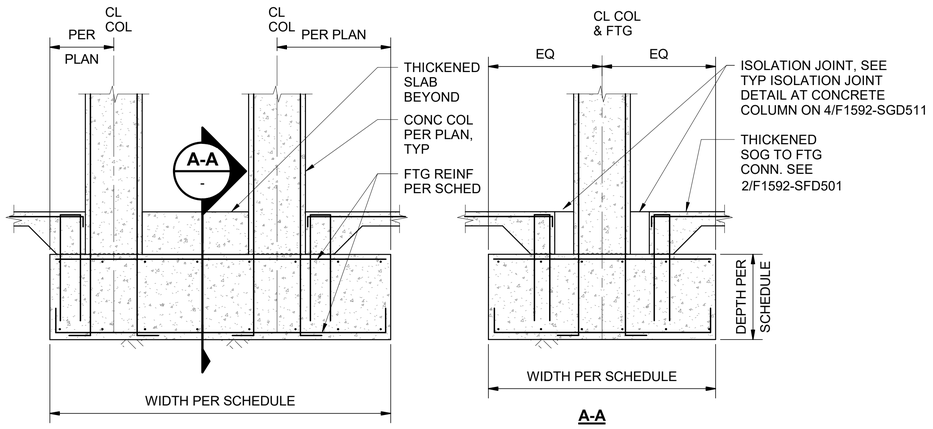


PIPE AT BOT OF FOUNDATION

NOTES:

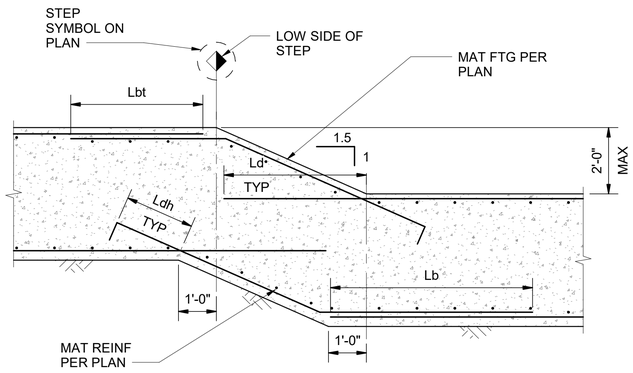
1. "D" SHALL NOT EXCEED 10".
2. GC TO COORDINATE EXACT DEPTH AND LOCATION OF PIPES.
3. PROVIDE COLLAR AROUND PIPE TO KEEP DIRT OUT OF SLEEVE.
4. DO NOT CUT OR INTERRUPT ANY REINFORCEMENT.
5. DETAIL IS NOT REQUIRED WHERE DISTANCE BETWEEN BOTTOM OF FOOTING AND TOP OF PIPE IS 2D OR 12", WHICHEVER IS GREATER.

TYP DETAIL OF PIPES AT FOUNDATION — 3 — SCALE: NTS

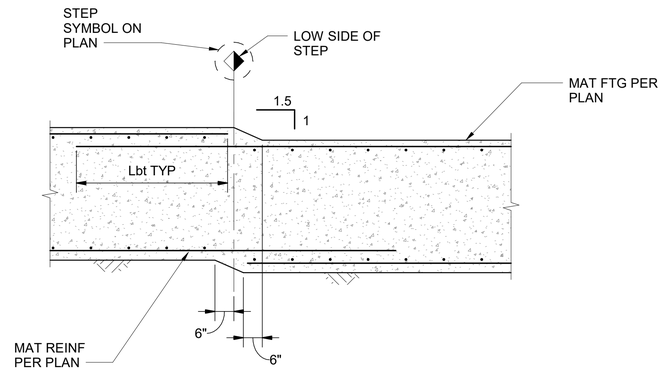


A-A

TYP COMBINED FOOTING DETAIL — 4 — SCALE: NTS



GREATER THAN 6" STEP



LESS THAN OR EQUAL TO 6" STEP

TYP MAT AND WALL FOOTING STEP DETAIL — 5 — SCALE: NTS

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FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	NAS	JDA	SLR	FINAL AS-BUILT

DESIGNED BY: N. SCHWAB
DRAWN BY: M. AGUILING
CHECKED BY: J. ARMENA
APPROVED BY: S. ROBERTS

kpff — SUBMITTED BY: SARA ROBERTS — DATE: 10/26/2022

HENSEL PHELPS Plan. Build. Manage. kpff — REVIEWED BY: GREG SHIMIZU — DATE: 10/26/2022

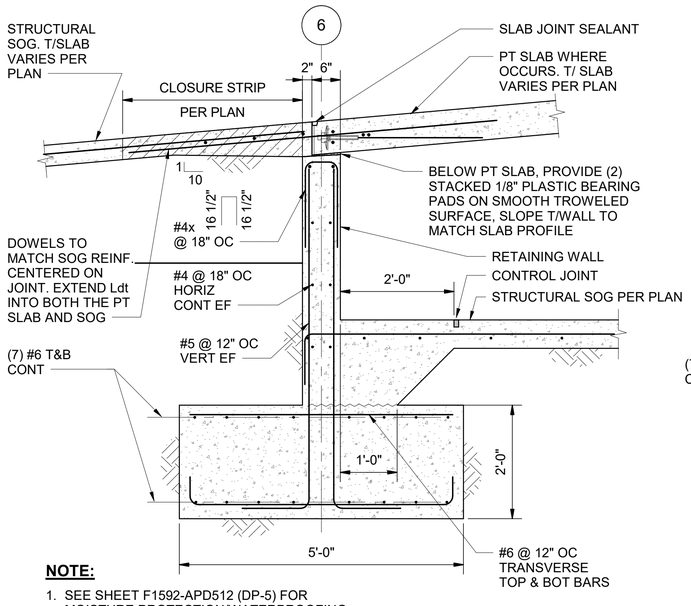
LINE IS 1" AT FULL SCALE

SOUNDTRANSIT

SCALE: AS NOTED
FILENAME: S317-F1592-S_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
STRUCTURAL
FOUNDATION DETAILS

DRAWING No.: F1592-SFD501
FACILITY ID: F1592
SHEET No.: 221
REV.: 0



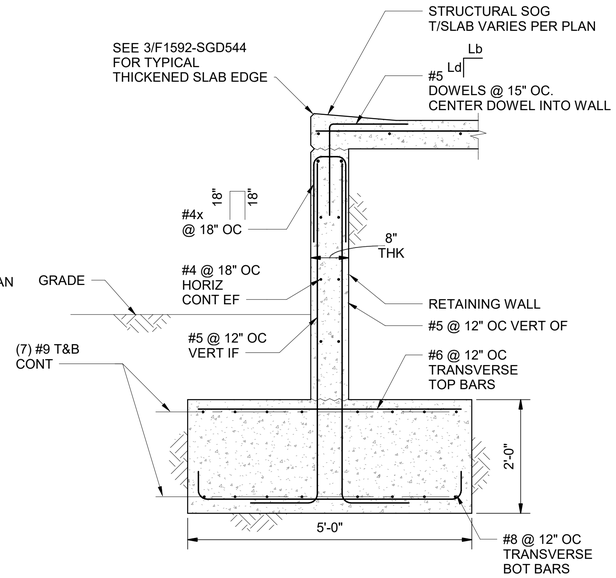
NOTE:

1. SEE SHEET F1592-APD512 (DP-5) FOR MOISTURE PROTECTION/WATERPROOFING SCHEME AT RETAINING WALLS UNDERNEATH THE GARAGE RAMP
2. SOG TO BE POURED AFTER PT SLAB TENDONS HAVE BEEN STRESSED AND AT LEAST 28 DAYS AFTER THE PT SLAB HAS BEEN POURED.

RAMP RETAINING WALL DETAIL

SCALE: 3/4" = 1'-0"

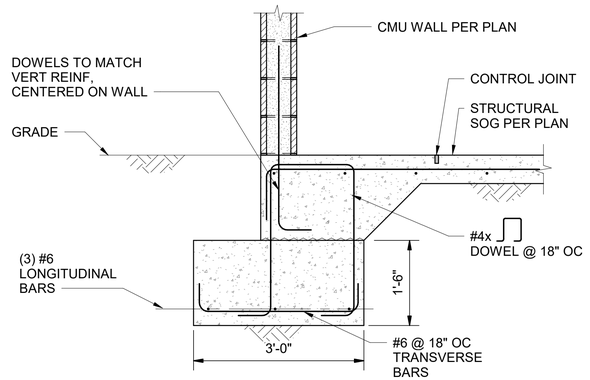
A F1592-SFP101



RAMP RETAINING WALL DETAIL

SCALE: 3/4" = 1'-0"

B F1592-SFP101



CMU WALL FOOTING AT RAMP

SCALE: 3/4" = 1'-0"

C F1592-SFP101

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FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	NAS	JDA	SLR	FINAL AS-BUILT

DESIGNED BY: N. SCHWAB
DRAWN BY: M. AGUILING
CHECKED BY: J. ARMENA
APPROVED BY: S. ROBERTS

kpff
SUBMITTED BY: SARA ROBERTS
DATE: 10/26/2022

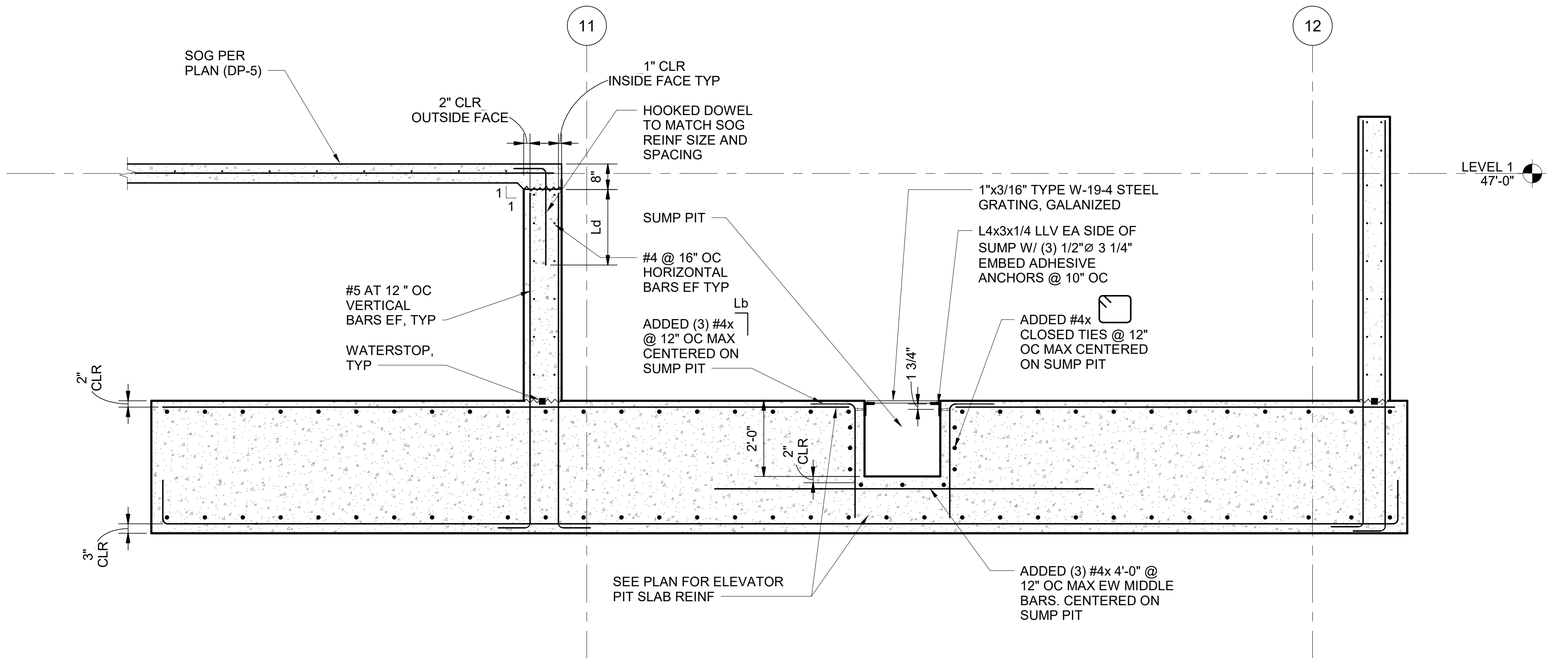
HENSEL PHELPS Plan. Build. Manage.
kpff
REVIEWED BY: GREG SHIMIZU
DATE: 10/26/2022

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT
SCALE: 3/4" = 1'-0"
FILENAME: S317-F1592-S_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
STRUCTURAL
FOUNDATION DETAILS

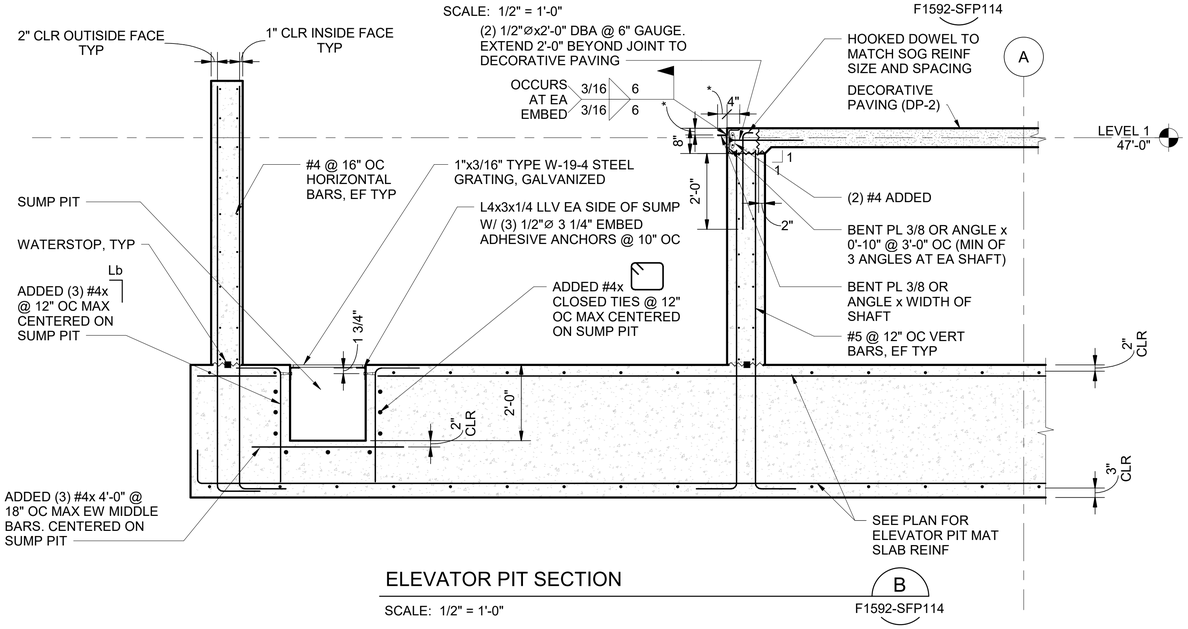
DRAWING No.: F1592-SFD502
FACILITY ID: F1592
SHEET No.: 222
REV.: 0



ELEVATOR PIT SECTION

SCALE: 1/2" = 1'-0"

A
F1592-SFP114



ELEVATOR PIT SECTION

SCALE: 1/2" = 1'-0"

B
F1592-SFP114

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	NAS	JDA	SLR	FINAL AS-BUILT

DESIGNED BY: N. SCHWAB
DRAWN BY: M. AGUILING
CHECKED BY: J. ARMENA
APPROVED BY: S. ROBERTS

kpff

HENSEL PHELPS
Plan. Build. Manage.
kpff

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT

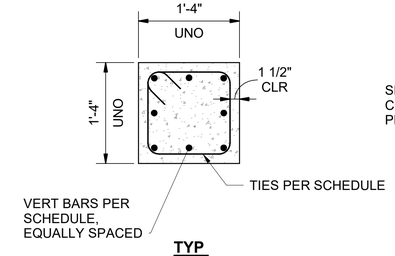
SUBMITTED BY: SARA ROBERTS
DATE: 10/26/2022
REVIEWED BY: GREG SHIMIZU
DATE: 10/26/2022

SCALE: 1/2" = 1'-0"
FILENAME: S317-F1592-S_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

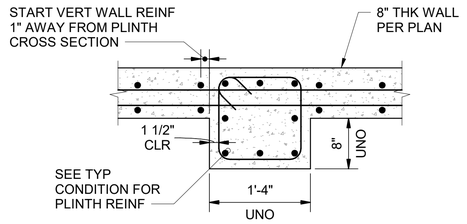
PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
STRUCTURAL
FOUNDATION DETAILS

DRAWING No.: F1592-SFD503
FACILITY ID: F1592
SHEET No: 223
REV: 0

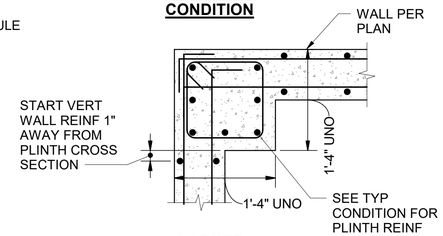
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TYP CONDITION



MID-WALL CONDITION



CORNER CONDITION

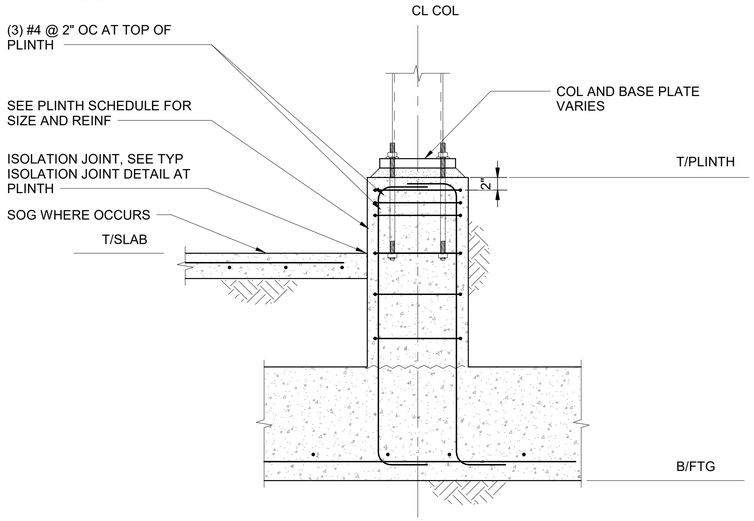
NOTES:

1. PROVIDE FOOTING DOWELS TO MATCH VERTICAL PLINTH REINFORCING
2. ANCHOR RODS TO BE PLACED INSIDE THE PLINTH REINF CAGE. IF ANCHOR RODS CANNOT BE PLACED WITHIN THE CAGE, INSTALL (2) #4 U-BARS WITH 9" LEGS TO TIE INTO THE CAGE THE ANCHOR RODS OUTSIDE THE CAGE.
3. CONTRACTOR OPTION TO REPLACE 90° HOOKS ON TOP OF VERTICAL BARS WITH ADDED U-BARS. ONE ON EACH FACE OF THE PLINTH PLUS ONE IN THE MIDDLE FOR EACH DIRECTION - TOTAL (6) U-BARS. U-BARS ARE TO BE #4 WITH LEGS THAT GO ALL THE WAY DOWN TO TOP OF SLAB.

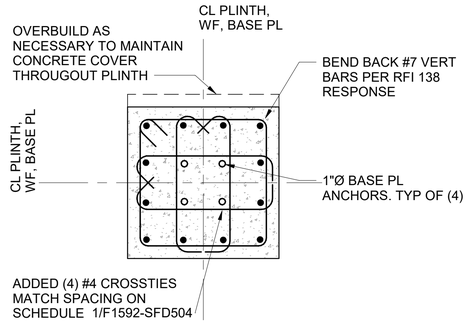
PLINTH SCHEDULE		
PLINTH SIZE	**VERTICAL REINFORCING**	**TIES**
1'-4" X 1'-4"	(8) #6	#4 @12" OC TYP, #4 @ 6" OC IN THE TOP 2'-6" OF PLINTH
2'-0" X 2'-0"	(12) #7	#4 @ 6" OC

NOTES:

1. PLINTH VERTICAL REINFORCEMENT TO BE ASTM A 615 GR 60.

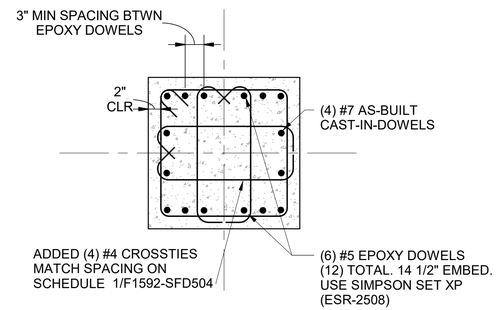


PLINTH ELEVATION



NOTES:

1. FOR INFORMATION NOT NOTED, SEE 1/F1592-SFD504 & 4& 5/F1592-SGD603



NOTES:

1. FOR INFORMATION NOT NOTED, SEE 1/F1592-SFD504 & 4& 5/F1592-SGD603
2. LOCATE DOWELS AS SUCH THAT CROSS TIES DO NOT CLASH W/ BASE PL ANCHORS.

PLINTH REINFORCING — 1 / -
SCALE: 1" = 1'-0"

GL DD/14 PLINTH (NCR-07) — 2 / F1592-SFP102
SCALE: 1" = 1'-0"

GL DD/16 PLINTH (NCR-07) — 3 / F1592-SFP102
SCALE: 1" = 1'-0"

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	NAS	JDA	SLR	FINAL AS-BUILT

DESIGNED BY: N. SCHWAB
DRAWN BY: M. AGUILING
CHECKED BY: J. ARMENA
APPROVED BY: S. ROBERTS

kpff — SUBMITTED BY: SARA ROBERTS — DATE: 10/26/2022

HENSEL PHELPS Plan. Build. Manage. kpff — REVIEWED BY: GREG SHIMIZU — DATE: 10/26/2022

LINE IS 1" AT FULL SCALE

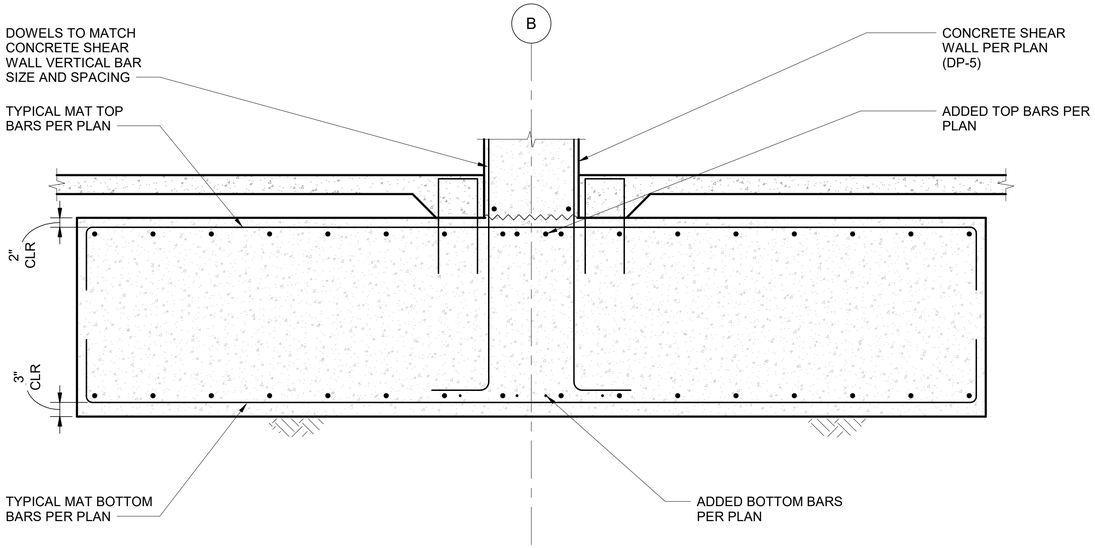
SOUNDTRANSIT

SCALE: 1" = 1'-0"
FILENAME: S317-F1592-S_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
STRUCTURAL
FOUNDATION DETAILS

DRAWING No.: F1592-SFD504
FACILITY ID: F1592
SHEET No.: 224
REV.: 0

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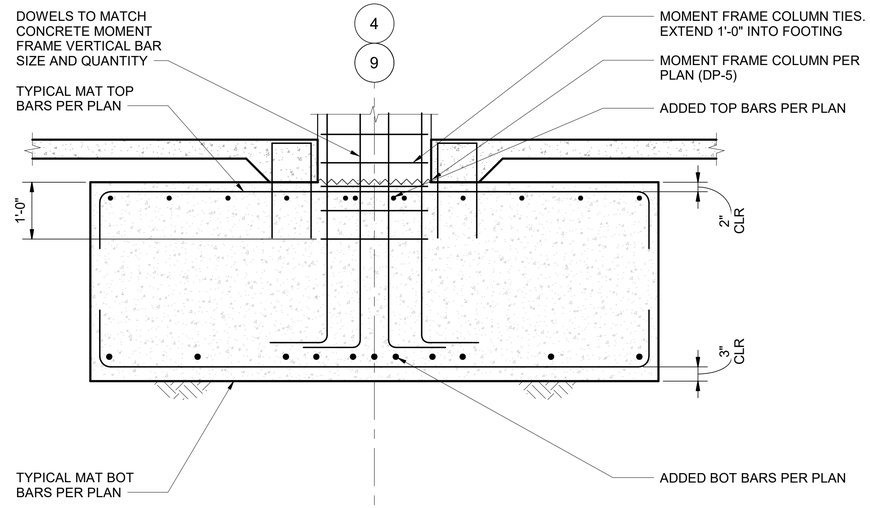
NOTES:

1. AT SIM, THERE IS NO SHEAR WALL
2. FOR THICKENED SOG TO FOOTING DETAIL, SEE 2/F1592-SFD501

MAT SLAB AT SHEAR WALL

SCALE: 3/4" = 1'-0"

A F1592-SFP111



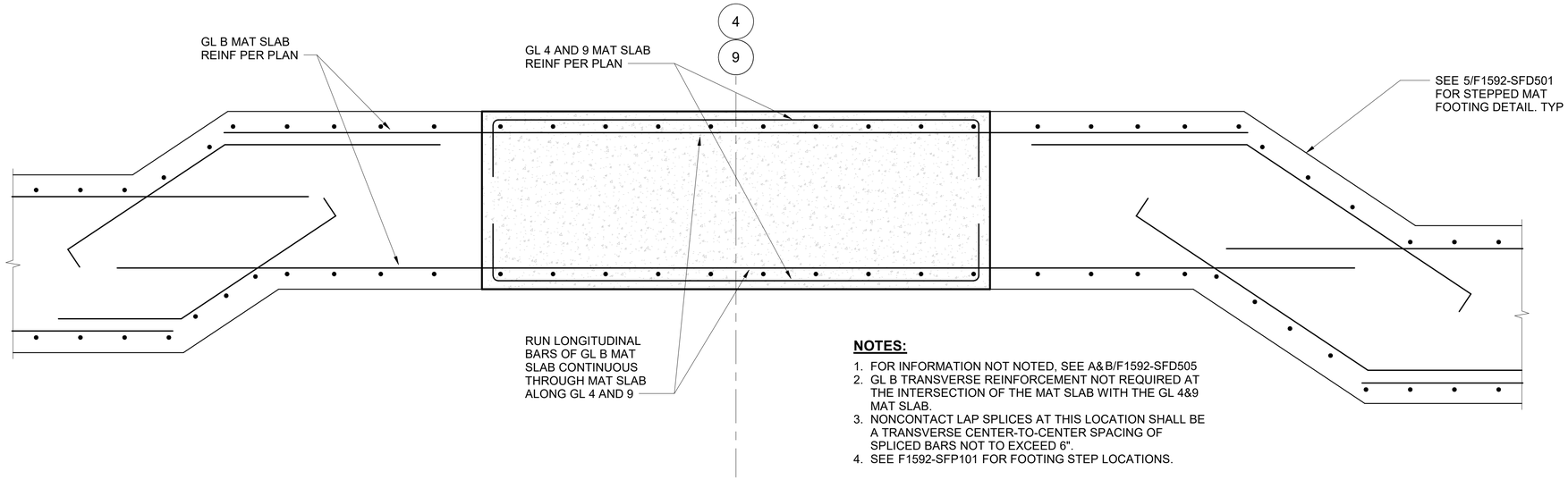
NOTES:

1. FOR THICKENED SOG TO FOOTING DETAIL, SEE 2/F1592-SFD501

MAT SLAB AT MOMENT FRAME

SCALE: 3/4" = 1'-0"

B F1592-SFP112



NOTES:

1. FOR INFORMATION NOT NOTED, SEE A&B/F1592-SFD505
2. GL B TRANSVERSE REINFORCEMENT NOT REQUIRED AT THE INTERSECTION OF THE MAT SLAB WITH THE GL 4&9 MAT SLAB.
3. NONCONTACT LAP SPLICES AT THIS LOCATION SHALL BE A TRANSVERSE CENTER-TO-CENTER SPACING OF SPLICED BARS NOT TO EXCEED 6".
4. SEE F1592-SFP101 FOR FOOTING STEP LOCATIONS.

MAT SLAB AT INTERSECTION

SCALE: 3/4" = 1'-0"

C F1592-SFP112

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	NAS	JDA	SLR	FINAL AS-BUILT

DESIGNED BY: N. SCHWAB
DRAWN BY: M. AGUILING
CHECKED BY: J. ARMENA
APPROVED BY: S. ROBERTS

kpff

HENSEL PHELPS Plan. Build. Manage.

kpff

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT

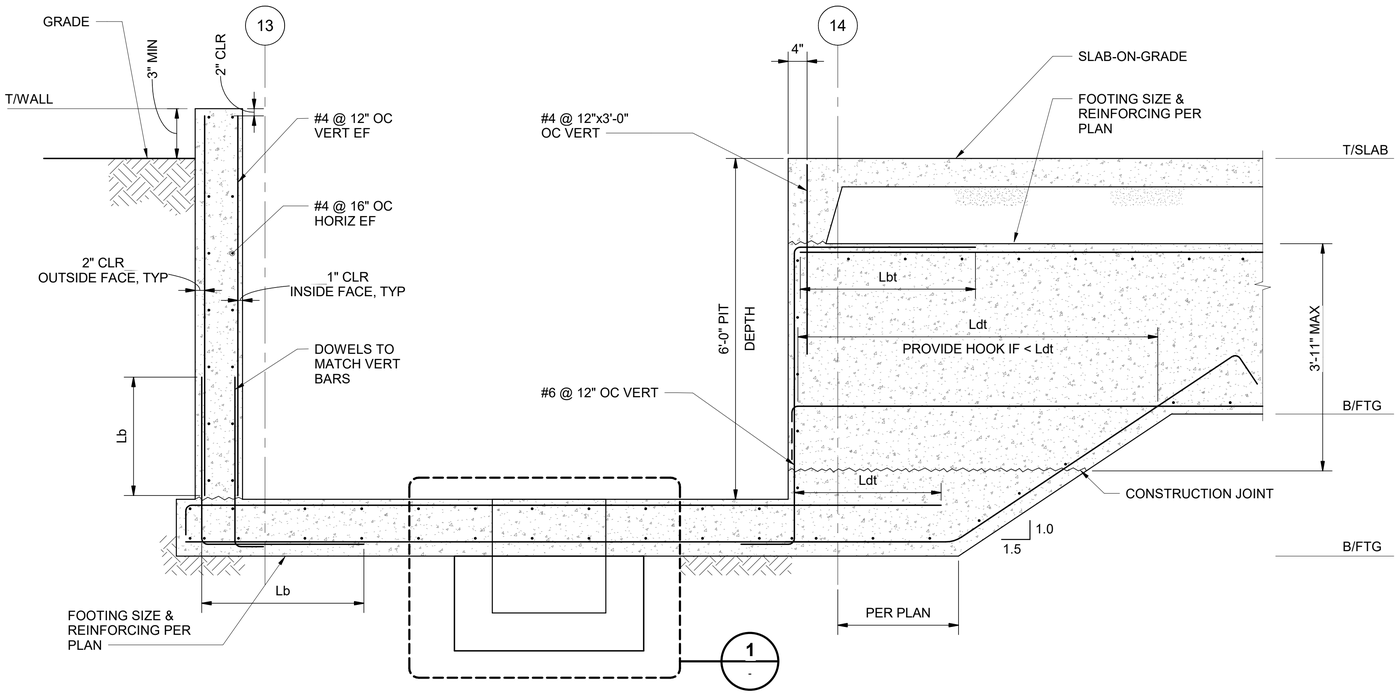
SUBMITTED BY: SARA ROBERTS
DATE: 10/26/2022
REVIEWED BY: GREG SHIMIZU
DATE: 10/26/2022

SCALE: 3/4" = 1'-0"
FILENAME: S317-F1592-S_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
STRUCTURAL
FOUNDATION DETAILS

DRAWING No.: **F1592-SFD505**
FACILITY ID: F1592
SHEET No.: 225
REV.: 0

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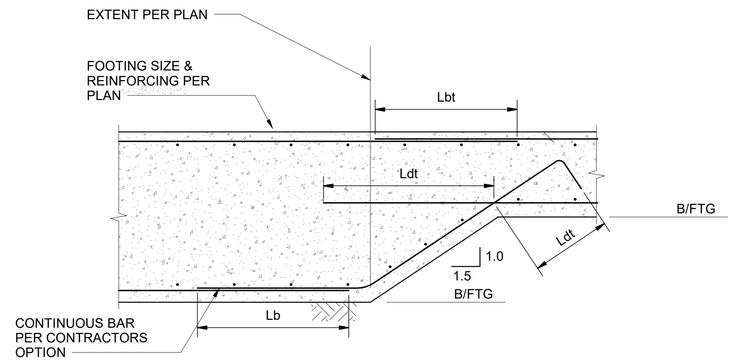


ELEVATOR FOUNDATION SECTION

SCALE: 3/4" = 1'-0"

A

F1592-SGX441

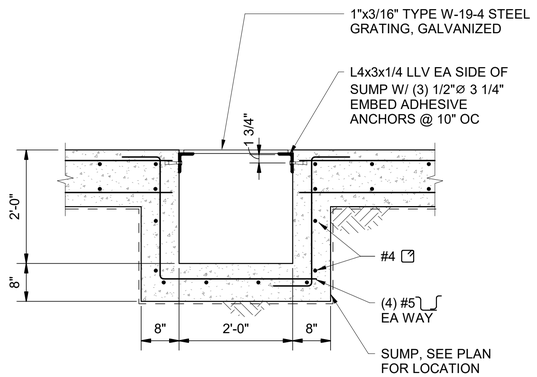


CHANGE IN FOUNDATION THICKNESS

SCALE: 3/4" = 1'-0"

B

F1592-SGX441

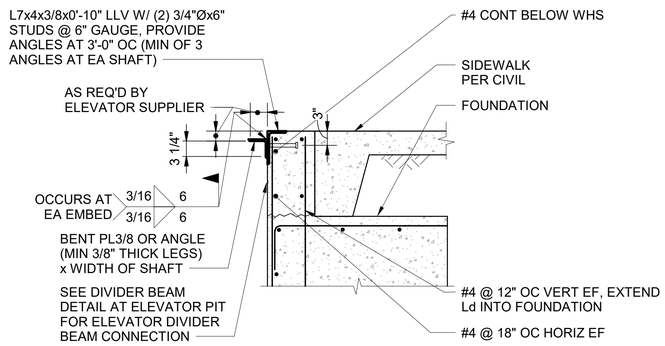


ELEVATOR SUMP

SCALE: 3/4" = 1'-0"

1

-

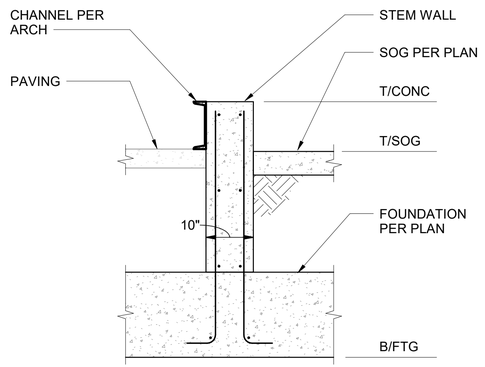


ELEVATOR SILL

SCALE: 3/4" = 1'-0"

2

F1592-SFP102



STEM WALL

SCALE: 3/4" = 1'-0"

3

F1592-SFP102

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FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	NAS	JDA	SLR	FINAL AS-BUILT

DESIGNED BY: N. SCHWAB
DRAWN BY: M. AGUILING
CHECKED BY: J. ARMENA
APPROVED BY: S. ROBERTS

kpff — SUBMITTED BY: SARA ROBERTS

HENSEL PHELPS Plan. Build. Manage. kpff — DATE: 10/26/2022 — REVIEWED BY: GREG SHIMIZU

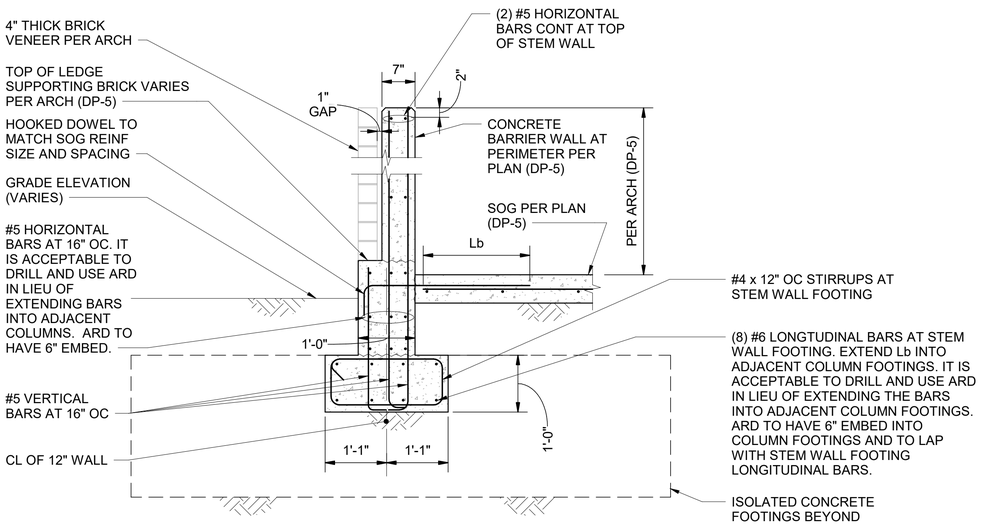
LINE IS 1" AT FULL SCALE

SOUNDTRANSIT — DATE: 10/26/2022

SCALE: 3/4" = 1'-0"
FILENAME: S317-F1592-S_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

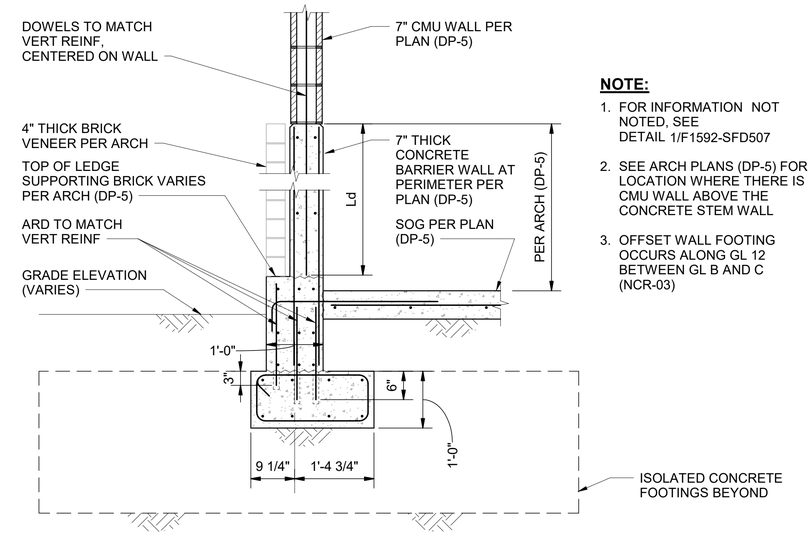
PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
STRUCTURAL
FOUNDATION DETAILS

DRAWING No.: F1592-SFD506
FACILITY ID: F1592
SHEET No: 226
REV: 0



TYPICAL EDGE OF SLAB-ON-GRADE — 1 / F1592-SFP101

SCALE: 3/4" = 1'-0"

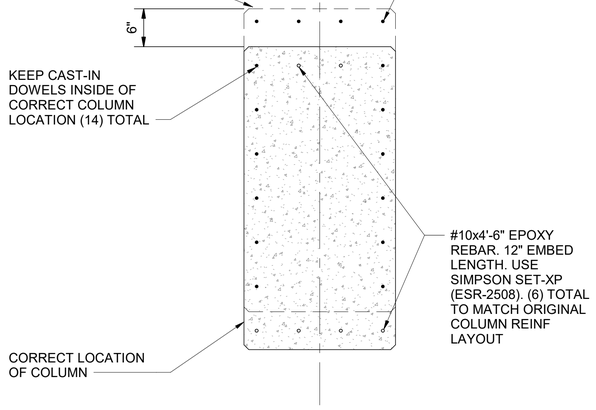


NOTE:

1. FOR INFORMATION NOT NOTED, SEE DETAIL 1/F1592-SFD507
2. SEE ARCH PLANS (DP-5) FOR LOCATION WHERE THERE IS CMU WALL ABOVE THE CONCRETE STEM WALL
3. OFFSET WALL FOOTING OCCURS ALONG GL 12 BETWEEN GL B AND C (NCR-03)

TYPICAL EDGE OF SLAB-ON-GRADE (WITH CMU WALL) — 2 / F1592-SFP101

SCALE: 3/4" = 1'-0"



MOMENT FRAME COLUMN CAST-IN AND ADHESIVE REINFORCEMENT DOWELS (NCR-05) — 3 / F1592-SFP101

SCALE: 1" = 1'-0"

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FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	NAS	JDA	SLR	FINAL AS-BUILT

DESIGNED BY: N. SCHWAB
DRAWN BY: M. AGUILING
CHECKED BY: J. ARMENA
APPROVED BY: S. ROBERTS

kpff
SUBMITTED BY: SARA ROBERTS
DATE: 10/26/2022

HENSEL PHELPS Plan. Build. Manage.
kpff
REVIEWED BY: GREG SHIMIZU
DATE: 10/26/2022

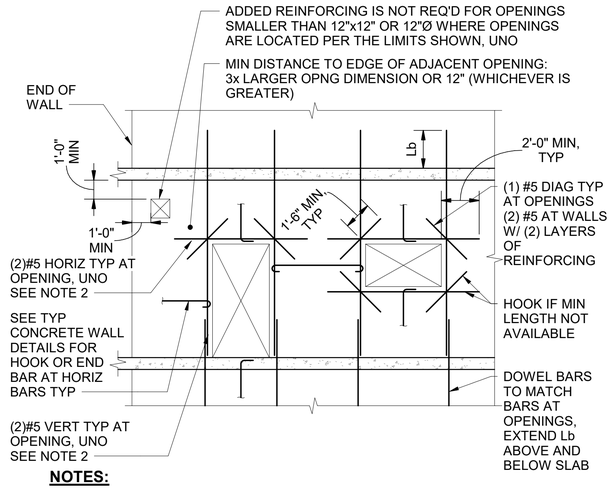
LINE IS 1" AT FULL SCALE

SOUNDTRANSIT
SUBMITTAL DATE: 10/26/2022

SCALE: AS NOTED
FILENAME: S317-F1592-S_v2020
CONTRACT No.: RTA/CN 0612-18

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
STRUCTURAL
FOUNDATION DETAILS

DRAWING No.: **F1592-SFD507**
FACILITY ID: F1592
SHEET No.: 227
REV.: 0

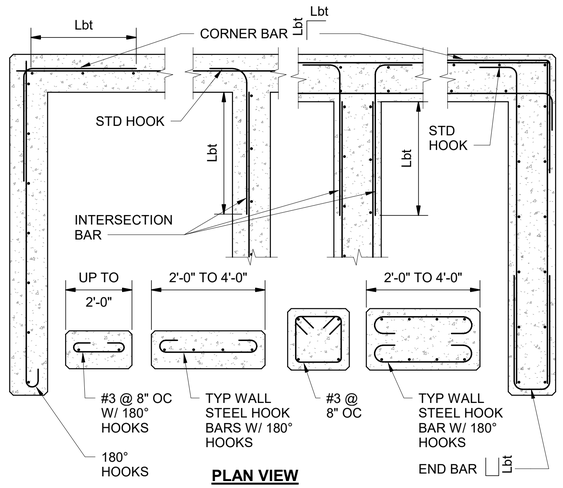


NOTES:

1. BARS SHOWN ARE IN ADDITION TO WALL REINFORCING NOTED ELSEWHERE.
2. PROVIDE AN ADDITIONAL BAR FOR EACH HORIZONTAL OR VERTICAL BAR INTERRUPTED BY OPENING.
3. PROVIDE HOOKS AT ALL INTERRUPTED BARS AS SHOWN.
4. STRUCTURAL ENGINEER APPROVAL REQUIRED FOR ALL OPENINGS NOT SHOWN ON STRUCTURAL DRAWINGS.

TYP CONCRETE WALL REINFORCING 1

SCALE: NTS



PLAN VIEW

TYP CONCRETE WALL DETAILS 2

SCALE: NTS

f'_c = 4,000 PSI
f_y = 60,000 PSI

SIZE	Ld	Ldt	Lb	Lbt	Ldh
#4	19 (28)	25 (37)	25 (37)	32 (48)	9
#5	24 (36)	31 (46)	31 (46)	40 (60)	12
#6	28 (43)	37 (55)	37 (55)	48 (72)	14
#7	42 (62)	54 (81)	54 (81)	70 (105)	17
#8	47 (71)	62 (92)	62 (92)	80 (120)	19
#9	54 (80)	70 (104)	70 (104)	90 (136)	21
#10	60 (90)	78 (117)	78 (117)	102 (153)	24
#11	67 (100)	87 (130)	87 (130)	113 (170)	27

f'_c = 4,500 PSI
f_y = 60,000 PSI

SIZE	Ld	Ldt	Lb	Lbt	Ldh
#4	18 (27)	23 (35)	23 (35)	30 (45)	9
#5	22 (34)	29 (44)	29 (44)	38 (57)	11
#6	27 (40)	35 (52)	35 (52)	45 (68)	13
#7	39 (59)	51 (76)	51 (76)	66 (99)	16
#8	45 (67)	58 (87)	58 (87)	76 (113)	18
#9	50 (76)	66 (98)	66 (98)	85 (128)	20
#10	57 (85)	74 (111)	74 (111)	96 (144)	23
#11	63 (95)	82 (123)	82 (123)	107 (160)	25

f'_c = 6,000 PSI
f_y = 60,000 PSI

SIZE	Ld	Ldt	Lb	Lbt	Ldh
#4	15 (23)	20 (30)	20 (30)	26 (39)	8
#5	19 (29)	25 (38)	25 (38)	33 (49)	10
#6	23 (35)	30 (45)	30 (45)	39 (59)	12
#7	34 (51)	44 (66)	44 (66)	57 (86)	14
#8	39 (58)	50 (76)	50 (76)	65 (98)	15
#9	44 (66)	57 (85)	57 (85)	74 (111)	17
#10	49 (74)	64 (96)	64 (96)	83 (125)	20
#11	55 (82)	71 (106)	71 (106)	92 (138)	22

NOTES:

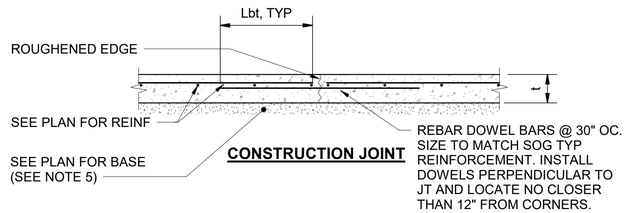
1. USE THE LENGTHS IN THIS SCHEDULE, UNLESS NOTED OTHERWISE.
2. USE LENGTH IN ( ) WHEN BAR COVER IS db OR LESS OR BAR CLEAR SPACING IS 2db OR LESS.
3. A TOP BAR IS A HORIZONTAL BAR WITH MORE THAN 12" OF FRESH CONCRETE CAST BELOW IT.

ABBREVIATIONS

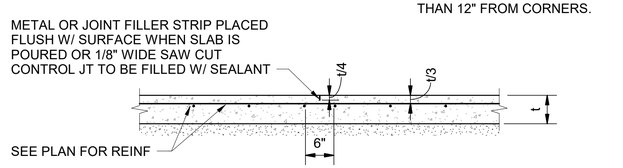
db = BAR DIAMETER
Ld = TENSION DEVELOPMENT LENGTH
Ldt= TENSION DEVELOPMENT LENGTH FOR A TOP BAR
Lb = CLASS B LAP SPLICE LENGTH, 1.3 Ld
Lbt= CLASS B LAP SPLICE LENGTH FOR A TOP BAR, 1.3 Ldt
Ldh= TENSION DEVELOPMENT LENGTH FOR A STANDARD HOOK

DEVELOPMENT AND SPLICE LENGTH SCHEDULE 3

SCALE: NTS



CONSTRUCTION JOINT



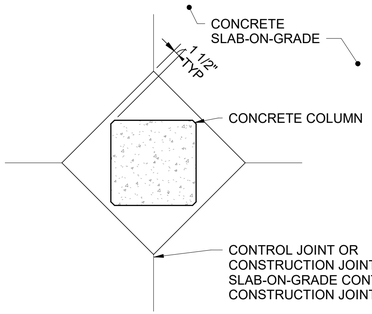
CONTROL JOINT

NOTES:

1. REFER TO PLAN FOR SLAB THICKNESS AND REINFORCING.
2. CONTROL JOINTS TO BE SPACED @ 15'-0" OC MAX, EACH WAY, UNLESS NOTED OTHERWISE. RATIO OF DISTANCE BETWEEN CONTROL JOINTS IN EACH DIRECTION FOR A SLAB PANEL SHALL NOT EXCEED 1.5. CONSTRUCTION JOINTS PER THIS DETAIL SHALL BE CONSIDERED AS CONTROL JOINTS FOR CONTROL JOINT SPACING REQUIREMENTS.
3. WHERE CONTROL JOINTS ARE SAW CUT, TIMING OF JOINT CUTTING SHALL BE PER THE PROJECT SPECIFICATIONS.
4. SUBMIT SOG JOINT LAYOUT FOR APPROVAL.
5. COMPACT BASE COURSE AND PREPARE SUBGRADE PER GEOTECHNICAL REPORT.

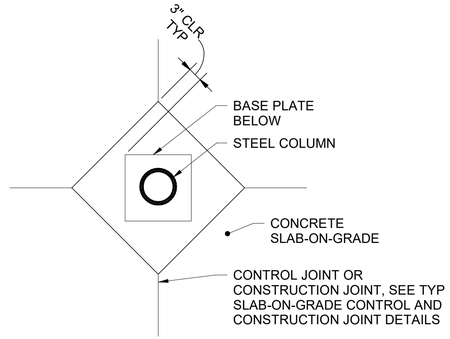
TYP SOG CONTROL & CONSTRUCTION JOINTS 6

SCALE: NTS



TYP ISOLATION JOINT AT CONCRETE COLUMN 4

SCALE: NTS



TYP ISOLATION JOINT AT STEEL COLUMN 5

SCALE: NTS

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	NAS	JDA	SLR	FINAL AS-BUILT

FINAL AS-BUILT

DESIGNED BY: N. SCHWAB
DRAWN BY: M. AGUILING
CHECKED BY: J. ARMENA
APPROVED BY: S. ROBERTS

kpff
SUBMITTED BY: SARA ROBERTS

HENSEL PHELPS Plan. Build. Manage.
kpff
DATE: 10/26/2022

LINE IS 1" AT FULL SCALE

REVIEWED BY: GREG SHIMIZU

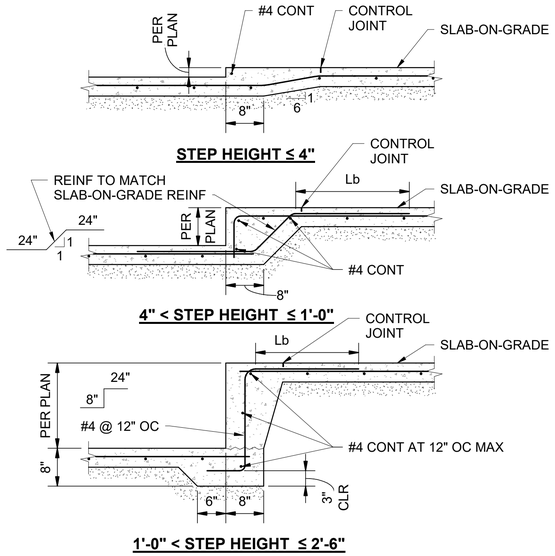
SOUNDTRANSIT
DATE: 10/26/2022

SCALE: AS NOTED
FILENAME: S317-F1592-S_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
STRUCTURAL
TYPICAL CONCRETE DETAILS

DRAWING No.: F1592-SGD511
FACILITY ID: F1592
SHEET No: 228
REV: 0

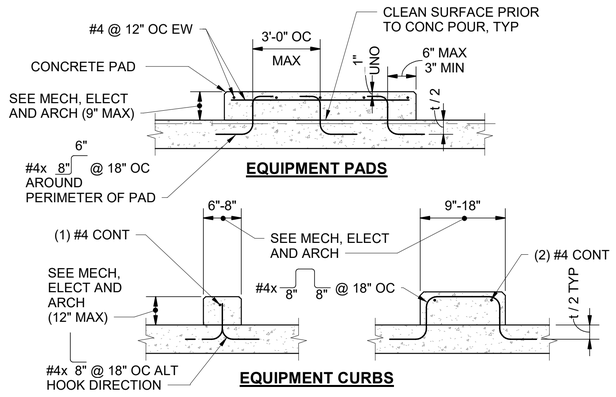
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TYP SLAB-ON-GRADE STEP

1 / -

SCALE: NTS



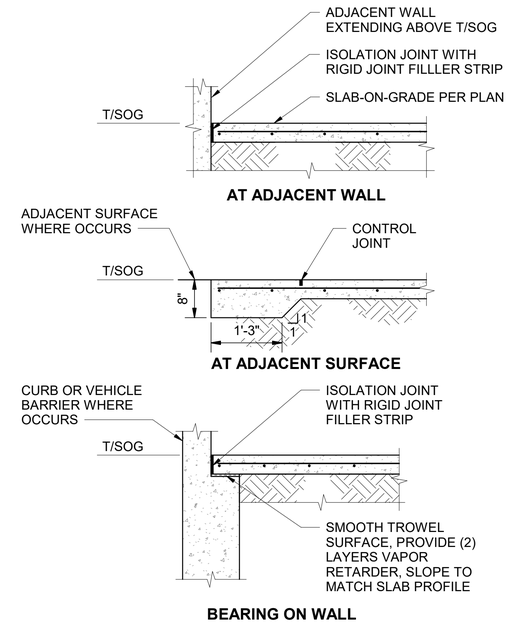
NOTES:

1. EQUIPMENT PAD SIZE TO BE 6" LARGER THAN EQUIPMENT IN EACH DIRECTION, UNLESS NOTED OTHERWISE. COORDINATE EXACT SIZE AND LOCATION OF CURB AND PADS WITH EQUIPMENT PROVIDED.
2. DETAIL NOT FOR USE WITH POST-TENSIONED SLABS.
3. CONTRACTOR OPTION TO REPLACE HOOKS INTO SLAB-ON-GRADE WITH 3 1/2" EPOXY EMBED.

TYP CURBS & PADS ON SLAB-ON-GRADE

2 / -

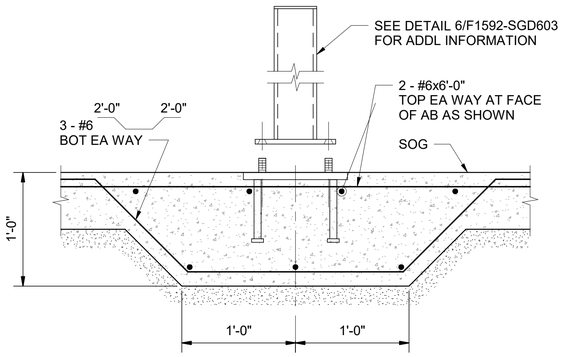
SCALE: NTS



TYP SLAB-ON-GRADE EDGE

3 / -

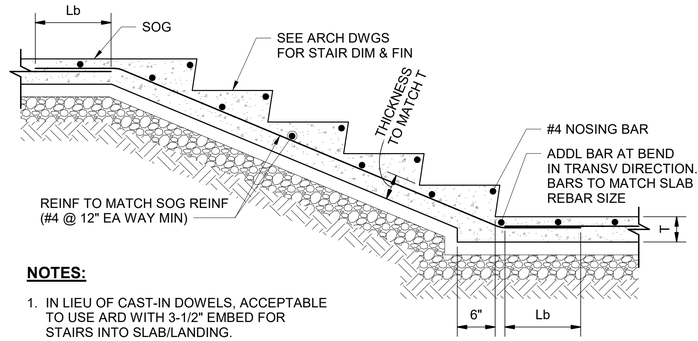
SCALE: NTS



TYPICAL BOLLARD DETAIL AT SLAB ON GRADE

4 / -

SCALE: NTS



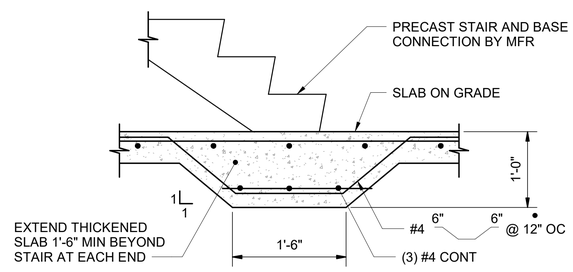
NOTES:

1. IN LIEU OF CAST-IN DOWELS, ACCEPTABLE TO USE ARD WITH 3-1/2" EMBED FOR STAIRS INTO SLAB/LANDING.

TYPICAL STAIR ON GRADE

5 / -

SCALE: NTS



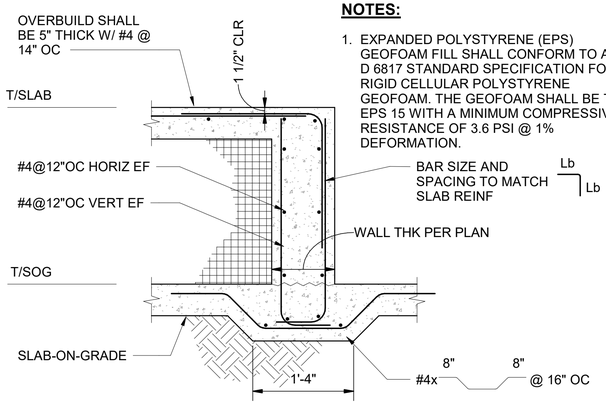
TYPICAL PRECAST STAIR BASE DETAIL

6 / F1592-SGD618

SCALE: NTS

NOTES:

1. SEE DETAIL 8/F1592-SGD618 FOR ATTACHMENT OF PRECAST STAIR TO SOG



NOTES:

1. EXPANDED POLYSTYRENE (EPS) GEOFOAM FILL SHALL CONFORM TO ASTM D 6817 STANDARD SPECIFICATION FOR RIGID CELLULAR POLYSTYRENE GEOFOAM. THE GEOFOAM SHALL BE TYPE EPS 15 WITH A MINIMUM COMPRESSIVE RESISTANCE OF 3.6 PSI @ 1% DEFORMATION.

TYPICAL PRECAST STAIR BASE DETAIL

7 / F1592-SGD618

SCALE: NTS

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FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	NAS	JDA	SLR	FINAL AS-BUILT

DESIGNED BY: N. SCHWAB
DRAWN BY: M. AGUILING
CHECKED BY: J. ARMENA
APPROVED BY: S. ROBERTS

kpff

SUBMITTED BY: SARA ROBERTS

HENSEL PHELPS Plan. Build. Manage.
kpff

DATE: 10/26/2022
REVIEWED BY: GREG SHIMIZU

LINE IS 1" AT FULL SCALE

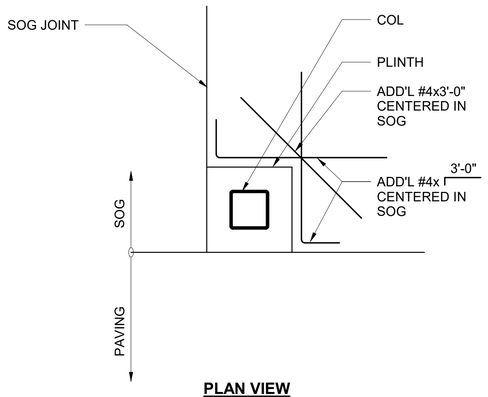
SOUNDTRANSIT

DATE: 10/26/2022

SCALE: AS NOTED
FILENAME: S317-F1592-S_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
STRUCTURAL
CONCRETE DETAILS

DRAWING No.: F1592-SGD512
FACILITY ID: F1592
SHEET No.: 229
REV.: 0

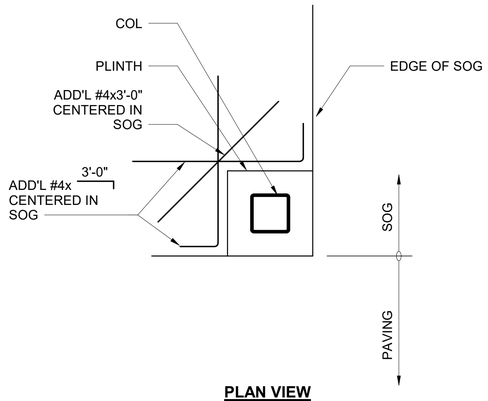


PLAN VIEW

EDGE OF SOG JOINTING AT PLINTH

SCALE: 3/4" = 1'-0"

1 F1592-SGP102

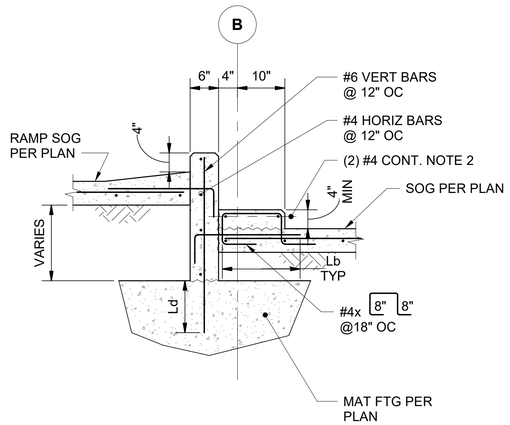


PLAN VIEW

CORNER OF SOG JOINTING AT PLINTH

SCALE: 3/4" = 1'-0"

2 F1592-SGP102



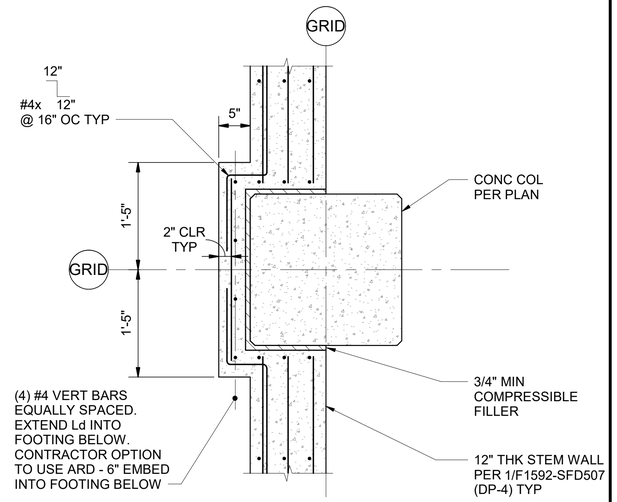
NOTES:

1. CABLE BARRIER NOT SHOWN FOR CLARITY. SEE 7/F1592-SGD822 SIM.
2. ADD ROWS OF (2) #4 CONT @ 12" OC MAX IF CURB BECOMES HIGHER THAN 8".

L1 RAMP-TO-SOG STEP

SCALE: 3/4" = 1'-0"

3 F1592-SGP101



NOTES:

1. TOP OF LEDGE SUPPORTING BRICK VARIES PER ARCH
2. 7" STEM WALL & SOG NOT SHOWN FOR CLARITY

L1 STEM WALL AT COLUMN

SCALE: 1" = 1'-0"

4 F1592-SGP101

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	NAS	JDA	SLR	FINAL AS-BUILT

DESIGNED BY: N. SCHWAB
DRAWN BY: M. AGUILING
CHECKED BY: J. ARMENA
APPROVED BY: S. ROBERTS

kpff — SUBMITTED BY: SARA ROBERTS — DATE: 10/26/2022

HENSEL PHELPS Plan. Build. Manage. kpff — REVIEWED BY: GREG SHIMIZU — DATE: 10/26/2022

LINE IS 1" AT FULL SCALE

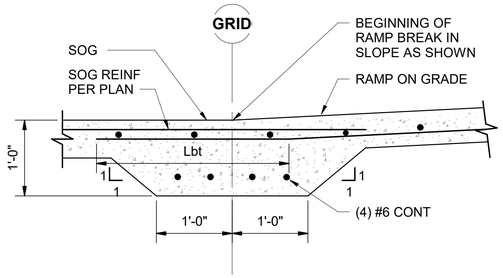
SOUNDTRANSIT

SCALE: AS NOTED
FILENAME: S317-F1592-S_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
STRUCTURAL
CONCRETE DETAILS

DRAWING No.: F1592-SGD513
FACILITY ID: F1592
SHEET No.: 230
REV.: 0

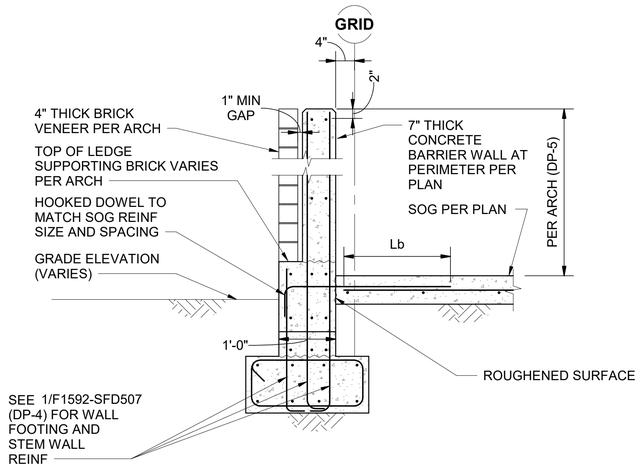
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THICKENED SLAB DETAIL
AT RAMP

SCALE: NTS

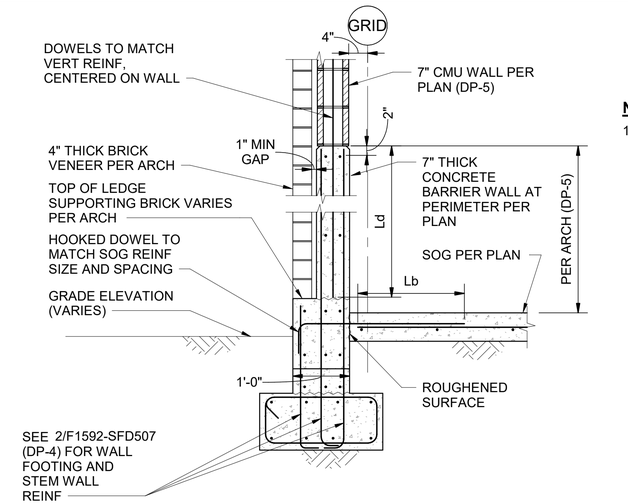
1
F1592-SGP101



EDGE OF SLAB-ON-GRADE

SCALE: 3/4" = 1'-0"

2
F1592-SGP101



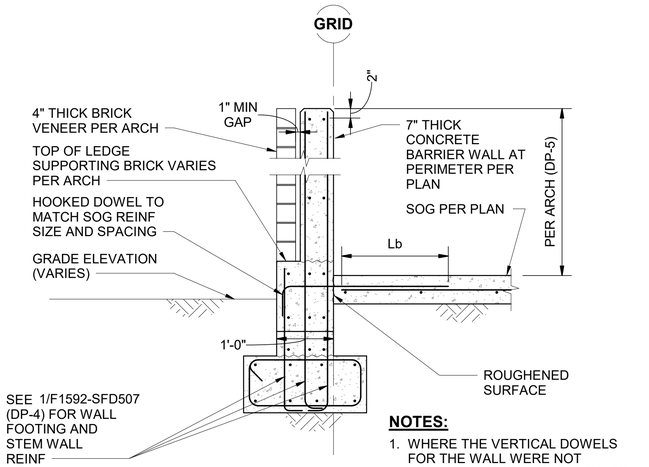
NOTES:

1. FOR INFORMATION NOT NOTED, SEE DETAIL 2/F1592-SGD514

EDGE OF SLAB-ON-GRADE

SCALE: 3/4" = 1'-0"

3
F1592-SGP101



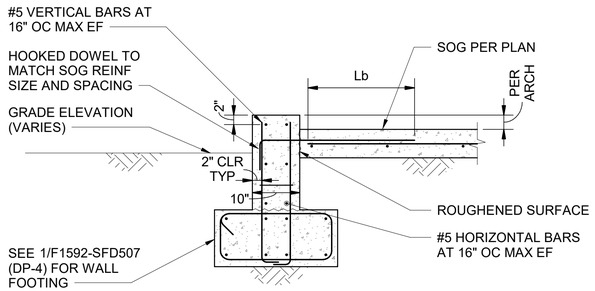
NOTES:

1. WHERE THE VERTICAL DOWELS FOR THE WALL WERE NOT INSTALLED, IT IS ACCEPTABLE TO REPLACE THEM WITH EPOXY DOWELS WITH 6" EMBEDMENT. SIZE AND SPACING OF THE VERTICAL BARS SHOULD BE THE SAME

EDGE OF SLAB-ON-GRADE

SCALE: 3/4" = 1'-0"

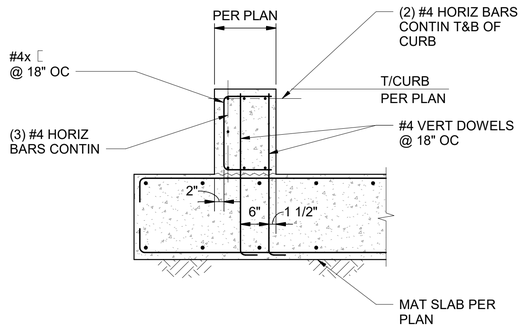
4
F1592-SGP101



EDGE OF SLAB-ON-GRADE

SCALE: 3/4" = 1'-0"

5
F1592-SGP711



ABUTMENT CURB DETAIL (RFI-128)

SCALE: 3/4" = 1'-0"

6
F1592-SGP102

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FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	NAS	JDA	SLR	FINAL AS-BUILT

DESIGNED BY: N. SCHWAB
DRAWN BY: M. AGUILING
CHECKED BY: J. ARMENA
APPROVED BY: S. ROBERTS

kpff
SUBMITTED BY: SARA ROBERTS
DATE: 10/26/2022

HENSEL PHELPS
Plan. Build. Manage.
kpff
REVIEWED BY: GREG SHIMIZU
DATE: 10/26/2022

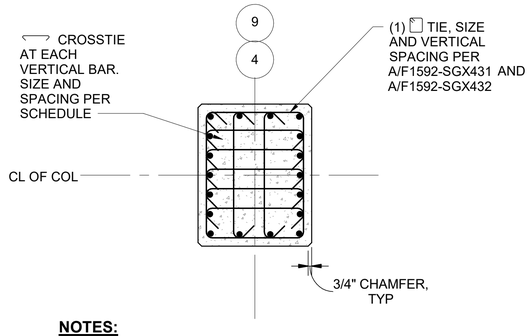
LINE IS 1" AT FULL SCALE

SOUNDTRANSIT
SUBMITTAL DATE: 10/26/2022

SCALE: AS NOTED
FILENAME: S317-F1592-S_v2020
CONTRACT No.: RTA/CN 0612-18

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
STRUCTURAL
CONCRETE DETAILS

DRAWING No.: F1592-SGD514
FACILITY ID: F1592
SHEET No: 231
REV: 0



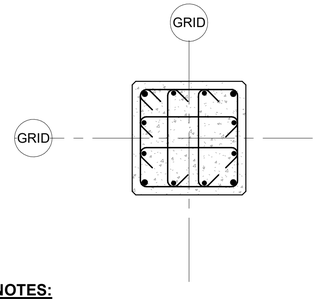
NOTES:

1. SEE F1592-SGX431 AND F1592-SGX432 FOR MORE INFORMATION ON MOMENT FRAME COLUMNS.
2. COLUMNS SHALL ONLY HAVE LAP SPLICES LOCATED CENTERED AT MID-HEIGHT BETWEEN FLOORS.

COLUMN SECTION (TYPE C-1)

1 / F1592-SGX431

SCALE: NTS



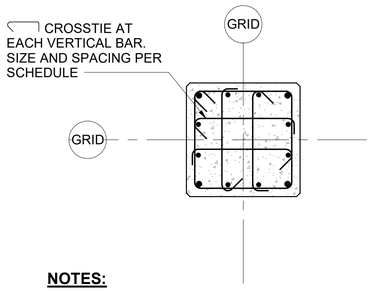
NOTES:

1. SEE 1/F1592-SGD521 FOR ADDITIONAL INFORMATION.

COLUMN SECTION (TYPE C-3)

2 / -

SCALE: NTS



NOTES:

1. SEE 1/F1592-SGD521 FOR ADDITIONAL INFORMATION.
2. CONTRACTOR OPTION TO HAVE ALL TIE HOOKS BE 135° IN LIEU OF ALTERNATING.

COLUMN SECTION - (TYPE C-2)

3 / -

SCALE: NTS

CONCRETE COLUMN SCHEDULE

TYPE MARK	C-1	C-2	C-3
ROOF			
T/COL EXTENSION			
LEVEL 5			
LEVEL 4			
LEVEL 3			
LEVEL 2	24x48 SEE ELEV 1/F1592-SGD521 SEE ELEV	24x24 (4) #10 (8) #8 3/F1592-SGD521 #5 @ 5 1/2" OC	24x24 (4) #10 (8) #8 2/F1592-SGD521 #5 @ 4" OC #5 @ 5 1/2" OC
LEVEL 1			
REMARKS			

KEY:

COL SIZE
VERT REINF
SECTION
ZONE 1 TIES
ZONE 2 TIES

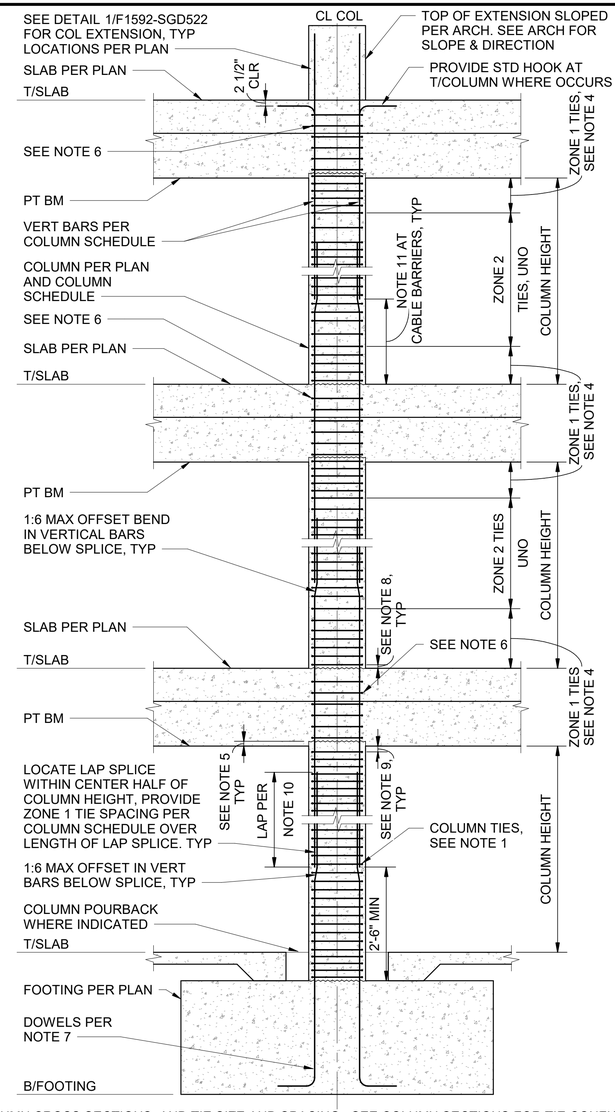
NOTES:

1. SEE TYPICAL CONCRETE COLUMN ELEVATION FOR ADDITIONAL INFORMATION.
2. WHERE ZONE 2 SPACING IS NOT SPECIFIED, USE ZONE 1 OVER ENTIRE HEIGHT.
3. FIRST VERT REINF CALLED OUT TO BE PLACED AT COLUMN CORNERS, SECOND VERT REINF CALLED OUT TO INFILL COLUMN FACES.

CONCRETE COLUMN SCHEDULE

4 / -

SCALE: NTS



NOTES:

1. SEE COLUMN SCHEDULE FOR COLUMN VERTICAL BARS, COLUMN CROSS SECTIONS, AND TIE SIZE AND SPACING. SEE COLUMN SECTIONS FOR TIE CONFIGURATIONS.
2. COLUMN VERTICAL BAR LAP SPLICE MAY BE OMITTED AND REPLACED WITH A CONTINUOUS MULTI-STORY COLUMN CAGE AT CONTRACTOR'S OPTION.
3. COLUMN VERTICAL BAR LAP SPLICE MAY BE REPLACED WITH MECHANICAL BAR COUPLER, TYPE 2, AT CONTRACTOR'S OPTION.
4. "ZONE 1" SHALL EXTEND BELOW BEAM AND/OR SLAB FRAMING AND ABOVE BEAM AND/OR SLAB FRAMING FOR THE LARGEST OF:
   A. MAXIMUM COLUMN CROSS-SECTIONAL DIMENSION
   B. ONE-SIXTH OF THE COLUMN CLEAR HEIGHT
   C. 18"
5. 1/2" MAX OVERPOUR. REMOVE ANY CONCRETE IN EXCESS OF 1/2"; REMOVAL SHALL APPLY OVER THE ENTIRE COLUMN FOOTPRINT.
6. PROVIDE ZONE 1 TIES THROUGH SLAB AND BEAMS. WHERE SLABS OR BEAMS FRAME INTO 4 SIDES OF COLUMN AND BEAM WIDTHS ARE AT LEAST 3/4 OF THE COLUMN WIDTH, TIE SPACING MAY BE INCREASED TO 6" THROUGH DEPTH OF SHALLOWEST SLAB OR BEAM. PROVIDE COLUMN TIE REINFORCING GRADE PER F1592-SZN002.
7. PROVIDE FOOTING DOWELS TO MATCH VERTICAL COLUMN REINFORCING, UNO.
8. FIRST TIE ABOVE FOOTING OR SLAB SHALL BE LOCATED NOT MORE THAN 1/2 TIE SPACING ABOVE THE TOP OF FOOTING OR SLAB.
9. FIRST TIE BELOW FLOOR FRAMING SHALL BE LOCATED NOT MORE THAN 1/2 TIE SPACING BELOW THE SHALLOWEST HORIZONTAL REINFORCEMENT IN THE FLOOR FRAMING.
10. MINIMUM LAP LENGTH OF COLUMN VERTICAL BARS IS AS FOLLOWS:
    #8 30"
    #9 34"
    #10 38"
    #11 43"
11. PROVIDE 4" TIE SPACING WITHIN EXTENT OF ALL CABLE BARRIERS. SEE F1592-SGD821 SHEETS FOR BARRIER DETAILS.

TYP CONC GRAVITY COLUMN ELEVATION

5 / -

SCALE: NTS

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FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	NAS	JDA	SLR	FINAL AS-BUILT

DESIGNED BY: N. SCHWAB
DRAWN BY: M. AGUILING
CHECKED BY: J. ARMENA
APPROVED BY: S. ROBERTS

kpff

HENSEL PHELPS Plan. Build. Manage.

kpff

LINE IS 1" AT FULL SCALE

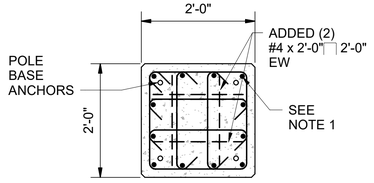
SOUNDTRANSIT

SUBMITTED BY: SARA ROBERTS
DATE: 10/26/2022
REVIEWED BY: GREG SHIMIZU
DATE: 10/26/2022
SUBMITTAL DATE: 10/26/2022

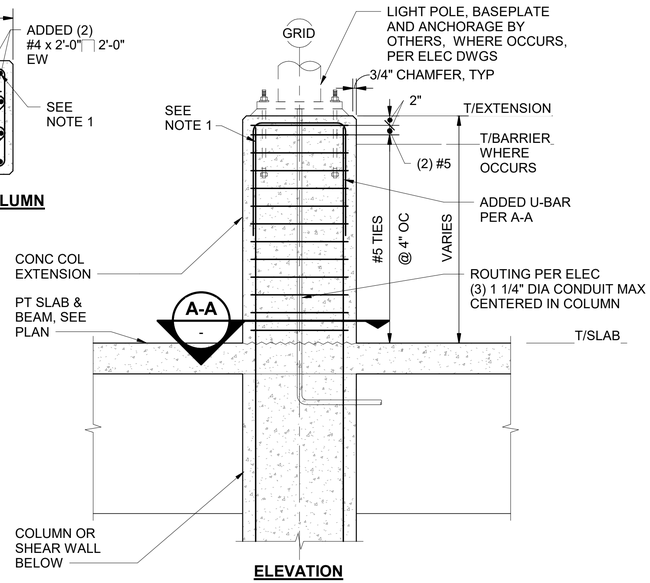
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FILENAME: S317-F1592-S_v2020
CONTRACT No.: RTA/CN 0612-18

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
STRUCTURAL
CONCRETE COLUMN DETAILS

DRAWING No.: F1592-SGD521
FACILITY ID: F1592
SHEET No.: 232
REV.: 0



A-A: PLAN AT COLUMN



ELEVATION

NOTES

1. COLUMN EXTENSION REINFORCEMENT SHALL BE AN EXTENSION OF COLUMN BARS FROM BELOW.
2. COORDINATE LIGHT POLE ANCHORAGE AND ELECT ROUTING WITH CABLE BARRIER.

TYPICAL COLUMN EXTENSION

SCALE: NTS

1
-

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FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	NAS	JDA	SLR	FINAL AS-BUILT

DESIGNED BY: N. SCHWAB
DRAWN BY: M. AGUILING
CHECKED BY: J. ARMENA
APPROVED BY: S. ROBERTS

kpff
SUBMITTED BY: SARA ROBERTS
DATE: 10/26/2022

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Plan. Build. Manage.
kpff
REVIEWED BY: GREG SHIMIZU
DATE: 10/26/2022

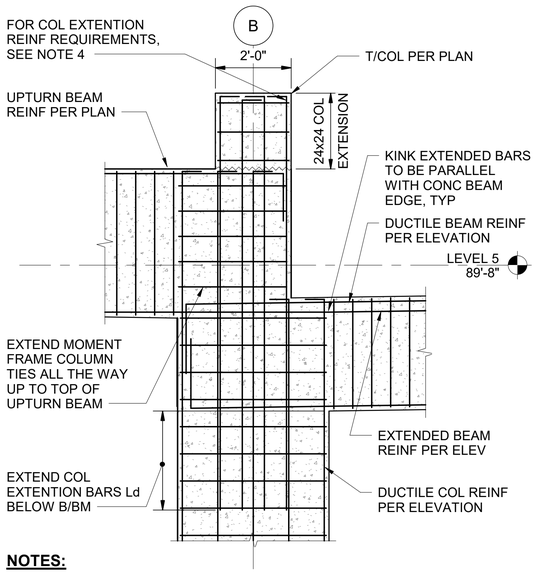
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SOUNDTRANSIT

SCALE: AS NOTED
FILENAME: S317-F1592-S_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
STRUCTURAL
CONCRETE COLUMN DETAILS

DRAWING No.: F1592-SGD522
FACILITY ID: F1592
SHEET No.: 233
REV.: 0



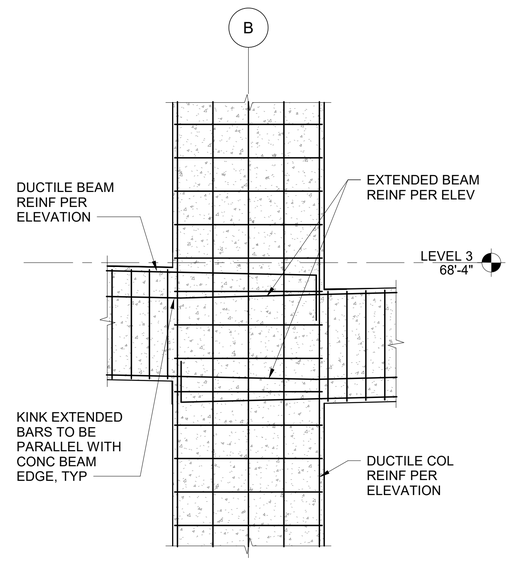
NOTES:

1. SLAB NOT SHOWN FOR CLARITY.
2. FOR INFORMATION NOT NOTED, SEE 5/F1592-SGD523
3. HOOK COL LONGITUDINAL BARS AT THE TOP.
4. HAVE 24"X24" COLUMN EXTENSION ABOVE UPTURN BEAM (GL B/4) BE REINFORCED WITH (12) #8 LONGITUDINAL BARS WITH #5 TIES AT 4" OC. TIES TO START 2" ABOVE TOP OF UPTURN BEAM. LONGITUDINAL BARS TO BE HOOKED AT THE BOTTOM AND GO ALL THE WAY TO TOP OF L5 SLAB (THAT'S ALREADY CAST-IN PLACE). COLUMN REINFORCEMENT CONFIGURATION SIMILAR TO TYPE C-3 (2/F1592-SGD521). FOR EVERYTHING ELSE NOT NOTED, SEE DETAIL 1/F1592-SGD522.

MOMENT FRAME COLUMN JOINT 1

SCALE: 1/2" = 1'-0"

F1592-SGX431



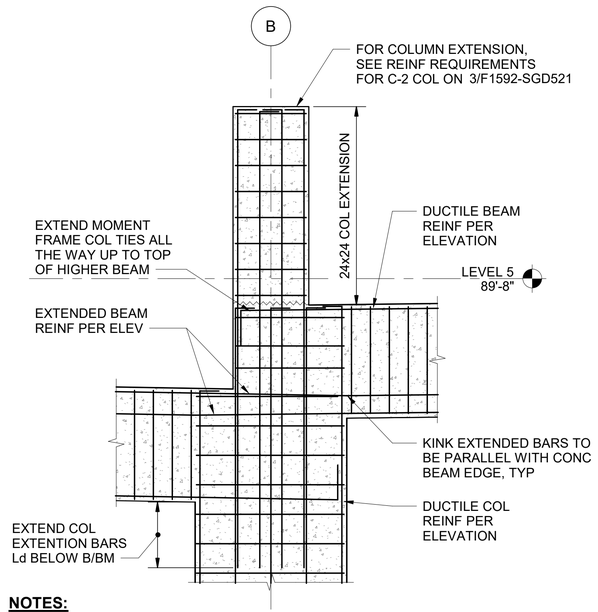
NOTES:

1. SLAB NOT SHOWN FOR CLARITY.
2. FOR INFORMATION NOT NOTED, SEE 5/F1592-SGD523
3. HOOK COL LONGITUDINAL BARS AT THE TOP.

MOMENT FRAME COLUMN JOINT 2

SCALE: 1/2" = 1'-0"

F1592-SGX431



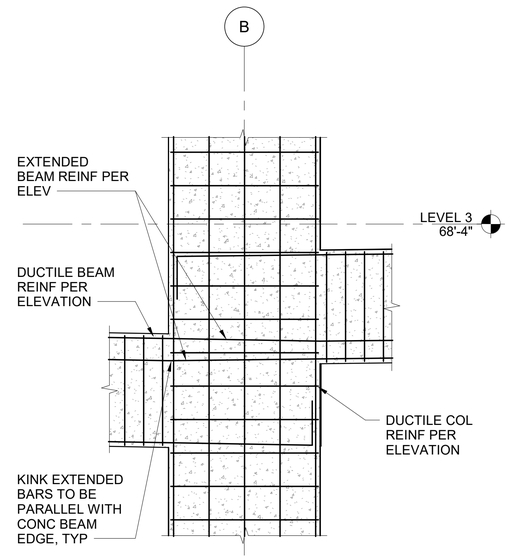
NOTES:

1. SLAB NOT SHOWN FOR CLARITY.
2. FOR INFORMATION NOT NOTED, SEE 5/F1592-SGD523
3. HOOK COL LONGITUDINAL BARS AT THE TOP

MOMENT FRAME COLUMN JOINT 3

SCALE: 1/2" = 1'-0"

F1592-SGX432



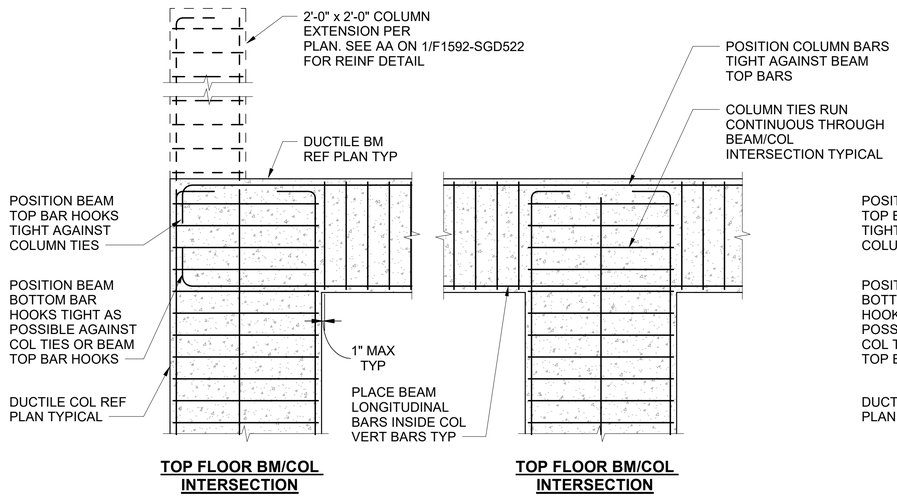
NOTES:

1. SLAB NOT SHOWN FOR CLARITY.
2. FOR INFORMATION NOT NOTED, SEE 5/F1592-SGD523
3. HOOK COL LONGITUDINAL BARS AT THE TOP

MOMENT FRAME COLUMN JOINT 4

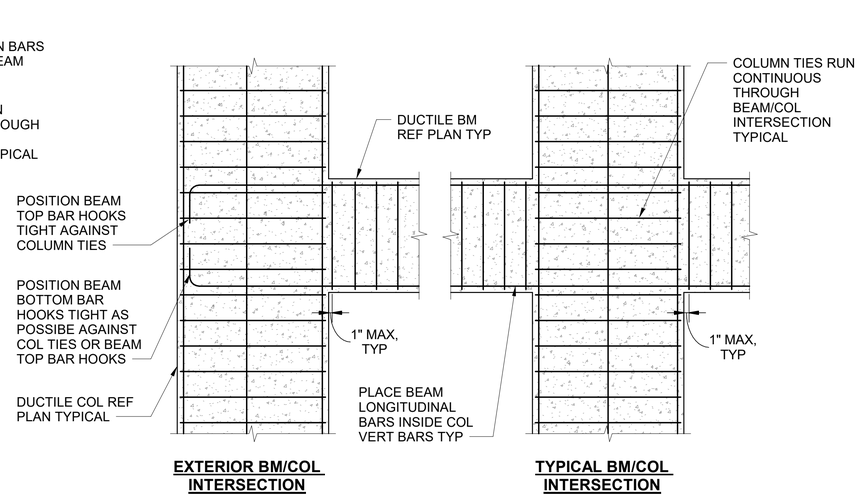
SCALE: 1/2" = 1'-0"

F1592-SGX432



TOP FLOOR BM/COL INTERSECTION

TOP FLOOR BM/COL INTERSECTION



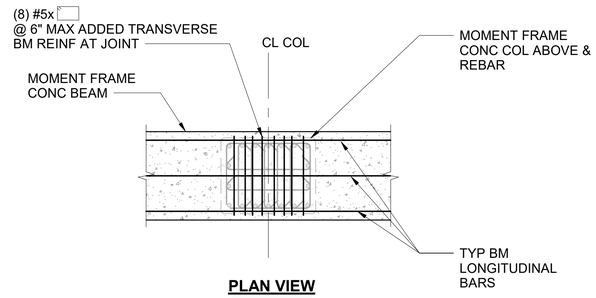
EXTERIOR BM/COL INTERSECTION

TYPICAL BM/COL INTERSECTION

DUCTILE BEAM/COLUMN INTERSECTIONS 5

SCALE: 1/2" = 1'-0"

-



PLAN VIEW

NOTES:

1. CONTRACTOR OPTION TO NOT ADD TIES PROVIDED ALL BEAM LONGITUDINAL REINFORCEMENT PASS INSIDE THE COL REBAR CAGE.
2. TYPICAL BEAM TRANSVERSE REINF NOT SHOWN FOR CLARITY.
3. ADDED LONGITUDINAL BARS (WHEN APPLICABLE PER BUILDING SECTION) NOT SHOWN FOR CLARITY

TYPICAL FRAME BEAM COLUMN CONN TIES 6

SCALE: 1/2" = 1'-0"

F1592-SGX431

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	NAS	JDA	SLR	FINAL AS-BUILT

DESIGNED BY: N. SCHWAB
DRAWN BY: M. AGUILING
CHECKED BY: J. ARMENA
APPROVED BY: S. ROBERTS

kpff

HENSEL PHELPS Plan. Build. Manage.

kpff

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT

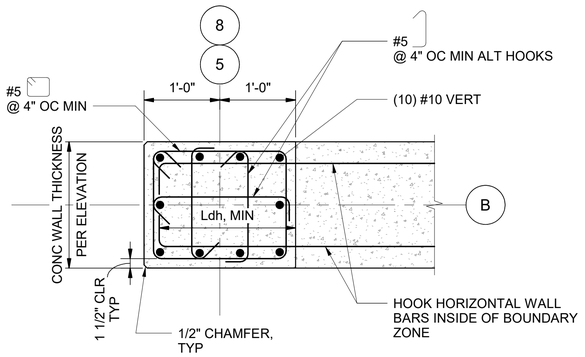
SUBMITTED BY: SARA ROBERTS
DATE: 10/26/2022
REVIEWED BY: GREG SHIMIZU
DATE: 10/26/2022

SCALE: 1/2" = 1'-0"
FILENAME: S317-F1592-S_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
STRUCTURAL
CONCRETE MOMENT FRAME COLUMN DETAILS

DRAWING No.: F1592-SGD523
FACILITY ID: F1592
SHEET No: 234
REV: 0

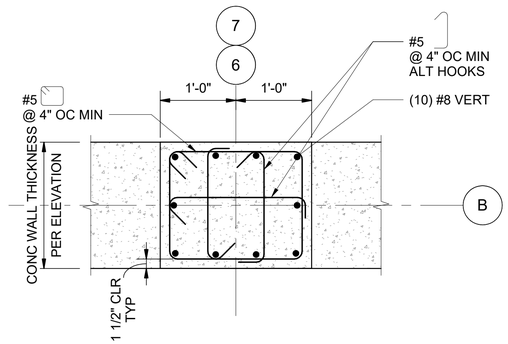
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WALL COLUMN/BOUNDARY SECTION 1

SCALE: 1" = 1'-0"

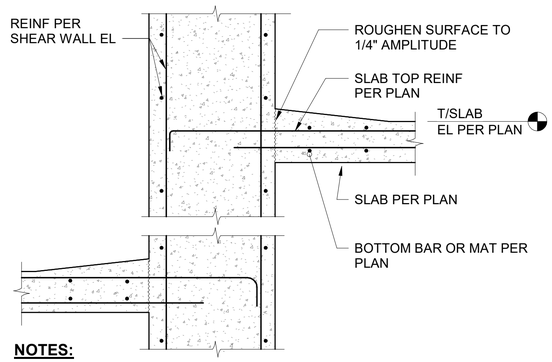
F1592-SWE321



WALL COLUMN/BOUNDARY SECTION 2

SCALE: 1" = 1'-0"

F1592-SWE321

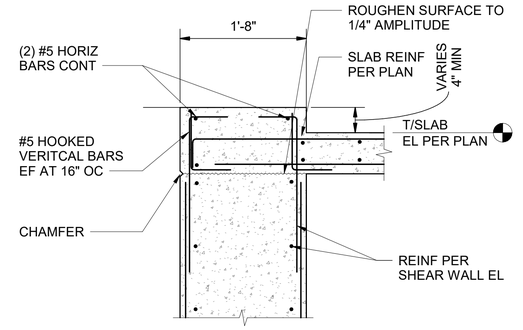


NOTES:

1. WHERE SLAB OCCURS ON BOTH SIDES OF SHEAR WALL, SLAB REINF SHOULD CONTINUE THROUGH WALL IN LIEU OF BEING HOOKED.
2. AT L4-L5 RAMP, SLAB JOINT TO WALL SHOULD BE INSET 4" FROM FACE OF WALL.

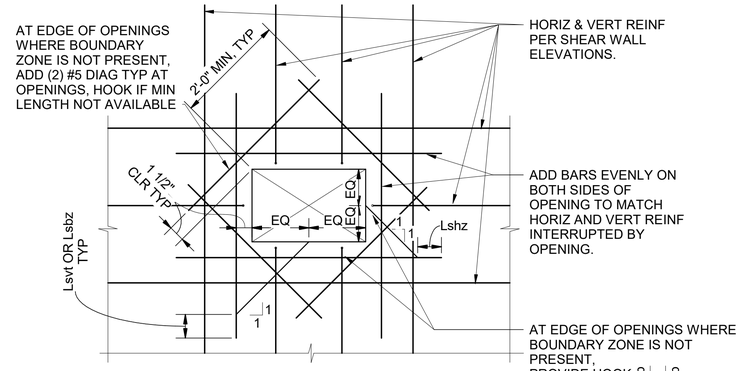
TYP SLAB TO SHEAR WALL CONN 3

SCALE: 1" = 1'-0"



TYP TOP OF SHEAR WALL SECTION 4

SCALE: 1" = 1'-0"

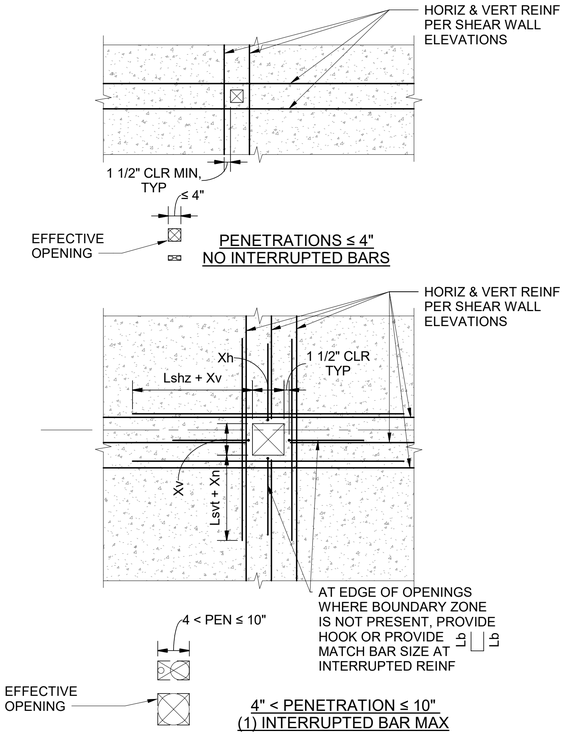


NOTES:

1. THIS DETAIL APPLIES TO OPENINGS SHOWN ON SHEAR WALL ELEVATIONS. OPENINGS NOT SHOWN ON SHEAR WALL ELEVATIONS SHALL NOT BE PLACED WITHOUT APPROVAL OF RESIDENT ENGINEER.

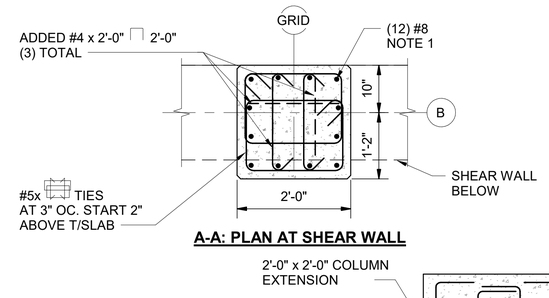
SHEAR WALL REINF AROUND OPENINGS 5

SCALE: 1/4" = 1'-0"

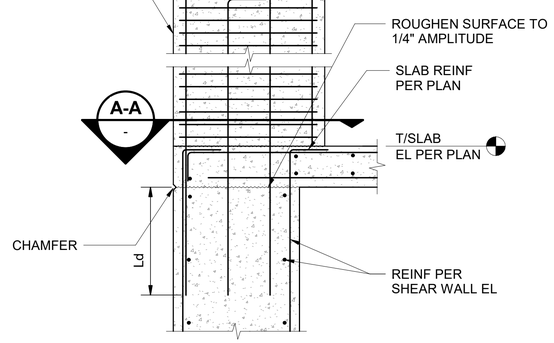


SHEAR WALL REINF AT SMALL OPENINGS 6

SCALE: NTS



A-A: PLAN AT SHEAR WALL



NOTES

1. COORDINATE LIGHT POLE ANCHORAGE AND ELECT ROUTING WITH CABLE BARRIER.

TYP COL EXTENSION AT SHEAR WALL 7

SCALE: 1" = 1'-0"

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FINAL AS-BUILT

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0	10/26/2022	NAS	JDA	SLR	FINAL AS-BUILT

DESIGNED BY: N. SCHWAB
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APPROVED BY: S. ROBERTS

kpff

HENSEL PHELPS
Plan. Build. Manage.
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LINE IS 1" AT FULL SCALE

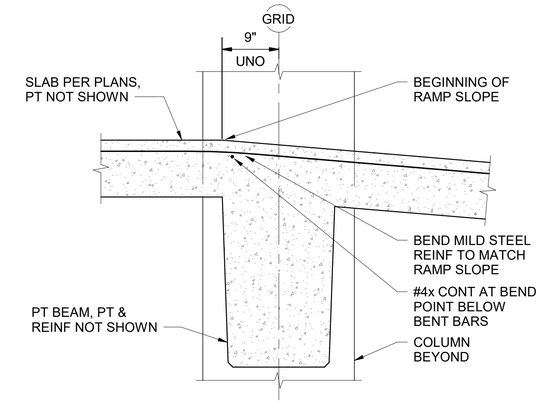
SOUNDTRANSIT

SUBMITTED BY: SARA ROBERTS
DATE: 10/26/2022
REVIEWED BY: GREG SHIMIZU
DATE: 10/26/2022

SCALE: AS NOTED
FILENAME: S317-F1592-S_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
STRUCTURAL
CONCRETE SHEAR WALL DETAILS

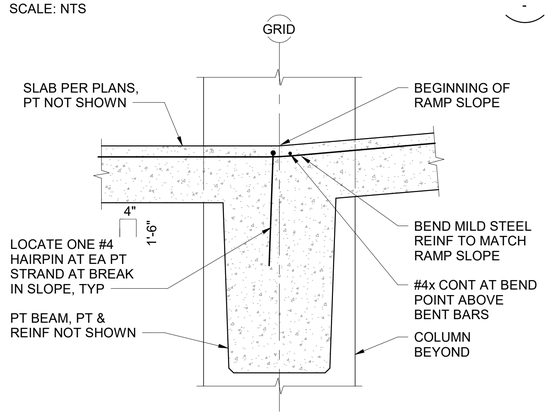
DRAWING No.: F1592-SGD531
FACILITY ID: F1592
SHEET No.: 235
REV.: 0



TYP SLAB AT TOP OF RAMP

1

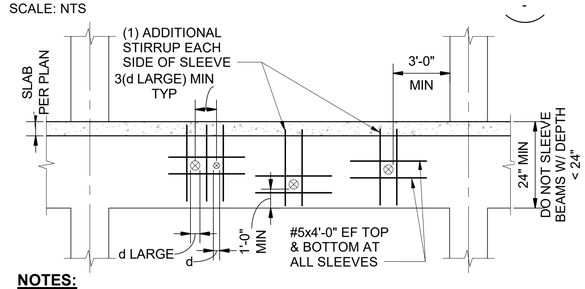
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TYP SLAB AT BOTTOM OF RAMP

3

SCALE: NTS



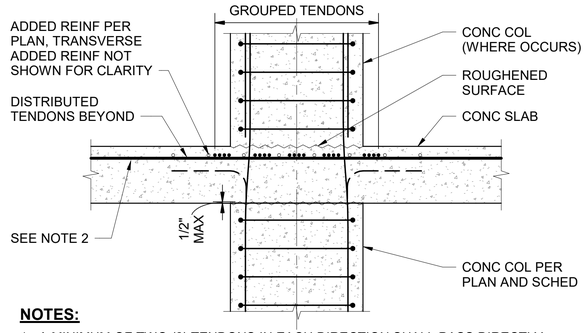
NOTES:

1. PENETRATION DIAMETER d NOT TO EXCEED 6". UNO.
2. BEAM REINFORCEMENT AND PT TENDONS NOT SHOWN FOR CLARITY.
3. LOCATION OF PT TENDONS AND HORIZONTAL REINFORCING TAKES PRECEDENCE OVER LOCATION OF SLEEVES.
4. (3) SLEEVES MAXIMUM PERMITTED PER ANY 6'-0" OF BEAM LENGTH.
5. PROVIDE 2" CLEAR BETWEEN SLEEVES AND REINFORCEMENT.
6. PROVIDE 4" CLEAR BETWEEN SLEEVES AND PT TENDONS.
7. SEE 4/F1592-SGD541 FOR PT TENDON CONFIGURATION.
8. VERTICAL PENETRATIONS THROUGH PT BEAMS ARE NOT ALLOWED.

TYP PT BEAM SLEEVE CRITERIA

5

SCALE: NTS



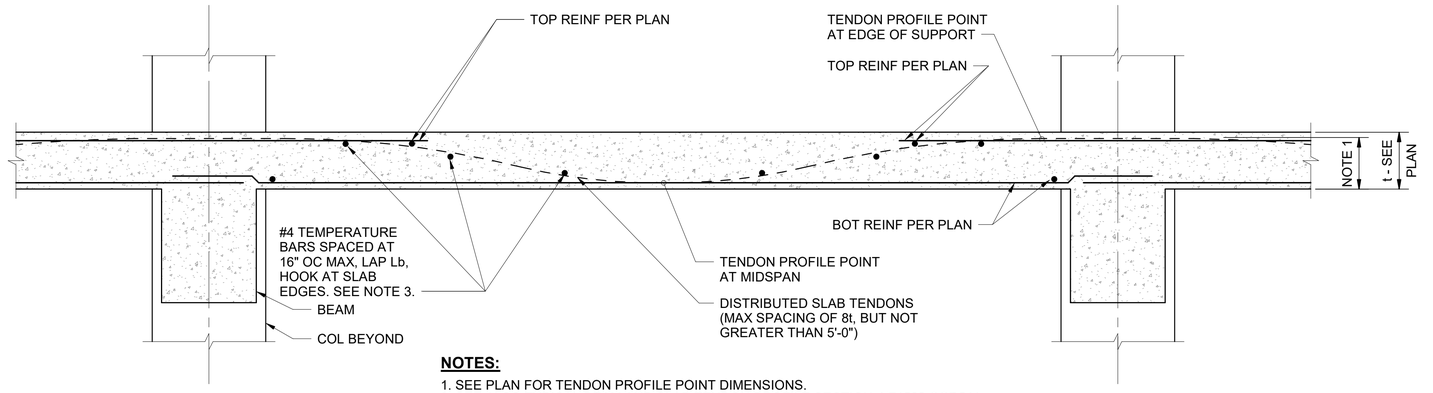
NOTES:

1. A MINIMUM OF TWO (2) TENDONS IN EACH DIRECTION SHALL PASS DIRECTLY OVER COLUMN (BETWEEN OUTERMOST VERTICAL COLUMN REINFORCING BARS).
2. DROP A MAXIMUM OF (5) DISTRIBUTED TENDONS BELOW BANDED GROUP WHERE TENDON HIGH POINT OF BANDED AND DISTRIBUTED TENDONS COINCIDE. LOCATE DROPPED DISTRIBUTED TENDONS DIRECTLY OVER COLUMN (BETWEEN OUTERMOST COLUMN REINFORCING BARS).
3. TYPICAL SLAB REINFORCEMENT NOT SHOWN FOR CLARITY.

TYP COLUMN/SLAB INTERSECTION

6

SCALE: NTS



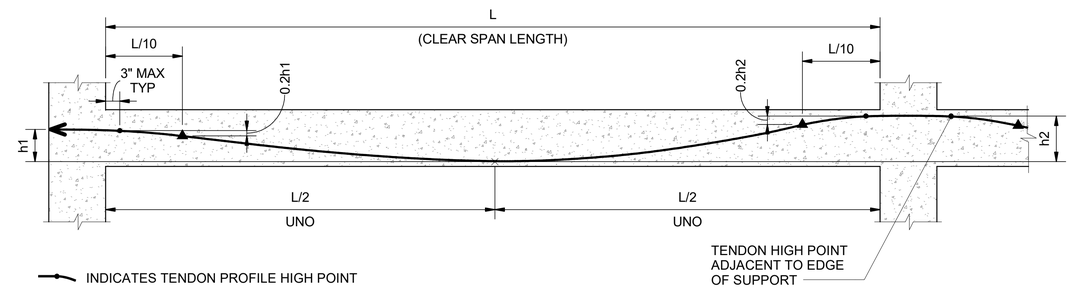
NOTES:

1. SEE PLAN FOR TENDON PROFILE POINT DIMENSIONS.
2. SEE ALSO TYPICAL BEAM AND SLAB TENDON PROFILE SECTION 4/F1592-SGD541.
3. TEMPERATURE AND SHRINKAGE BARS MAY BE USED AS TENDON SUPPORT BARS.

TYP ONE-WAY PT SLAB SECTION

2

SCALE: NTS



NOTES:

1. SEE PLAN FOR TENDON PROFILE POINT VALUES. DIMENSIONS GIVEN ARE FROM BEAM OR SLAB SOFFIT TO CENTER OF GRAVITY OF TENDONS.
2. INSTALL TENDON WITH PARABOLIC DRAPE BETWEEN PROFILE AND INFLECTION POINTS.
3. PROVIDE TENDON SUPPORT AT EACH HIGH POINT, LOW POINT, AND AT 48" MAXIMUM SPACING THROUGHOUT.

SECTION - TYPICAL BEAM AND SLAB TENDON PROFILE

4

SCALE: NTS

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	NAS	JDA	SLR	FINAL AS-BUILT

DESIGNED BY: N. SCHWAB
DRAWN BY: M. AGUILING
CHECKED BY: J. ARMENA
APPROVED BY: S. ROBERTS

kpff

HENSEL PHELPS Plan. Build. Manage.
kpff

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT

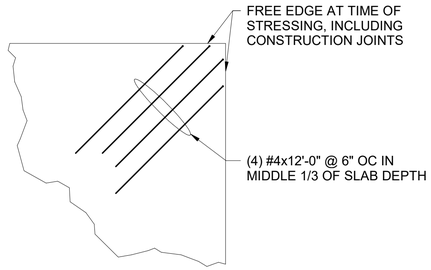
SUBMITTED BY: SARA ROBERTS
DATE: 10/26/2022
REVIEWED BY: GREG SHIMIZU
DATE: 10/26/2022

SCALE: AS NOTED
FILENAME: S317-F1592-S_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
STRUCTURAL
CONCRETE PT DETAILS

DRAWING No.: F1592-SGD541
FACILITY ID: F1592
SHEET No.: 236
REV.: 0

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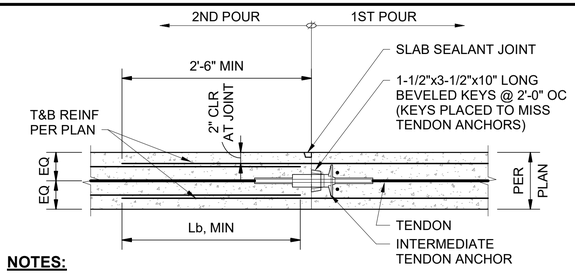
NOTE:

1. WHERE COLUMN, WALL, OR BEAM OCCURS WITHIN 1'-0" OF CORNER, ADDED BARS MAY BE OMITTED.

TYP ADDED BARS AT SLAB CORNERS

1 / -

SCALE: NTS



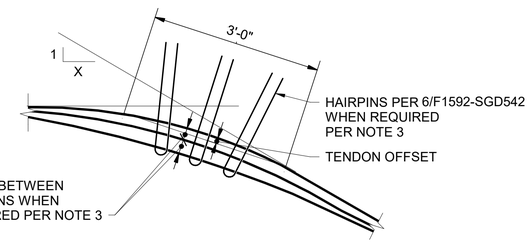
NOTES:

1. CONTRACTOR TO SUBMIT LOCATIONS OF PROPOSED JOINTS TO ENGINEER FOR APPROVAL. JOINTS SHALL BE LOCATED BETWEEN L/5 AND L/3 SPAN, TYPICAL.
2. AT UNSUPPORTED SLAB CORNERS OF CONSTRUCTION JOINTS, ADD REINFORCEMENT AS SHOWN ON DETAIL 1/F1592-SGD542 .
3. SEE TYPICAL SLAB EDGE DETAILS 8/F1592-SGD542 AND 9/F1592-SGD542 FOR REINFORCEMENT AT TENDON ANCHOR.
4. SEE SLAB SEALANT JOINT DETAIL 4/F1592-SGD542 FOR JOINT SIZE AND TREATMENT.

TYP CONSTRUCTION JOINT

2 / -

SCALE: NTS



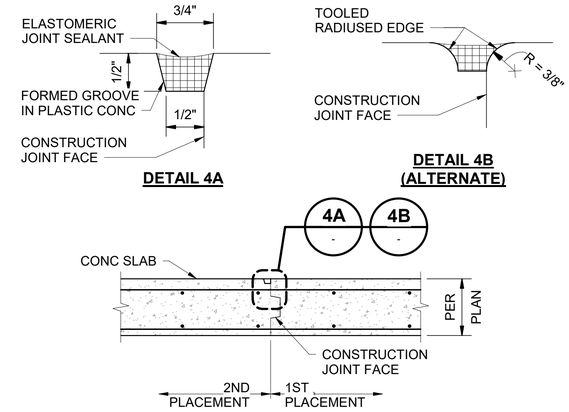
NOTES:

1. X SHALL NOT BE LESS THAN 6.
2. TENDON OFFSET SHALL NOT EXCEED 1" IN 3'-0".
3. WHERE X IS LESS THAN 12 OR WHERE TENDON OFFSET EXCEEDS 5/8" IN 3'-0", THE GAP BETWEEN TENDONS SHALL BE A MINIMUM OF 2" AND HAIRPINS MUST BE PROVIDED THROUGHOUT THE RADIUSED PORTION.
4. SEE 6/F1592-SGD542 FOR HAIRPIN PLACEMENT.

TYP HORIZONTAL TENDON CURVATURE

3 / -

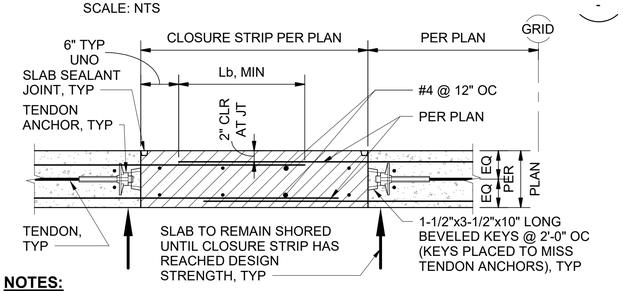
SCALE: NTS



TYP SLAB SEALANT JOINT

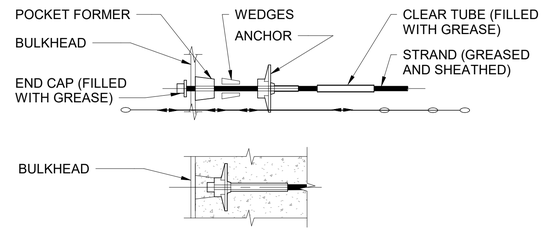
4 / -

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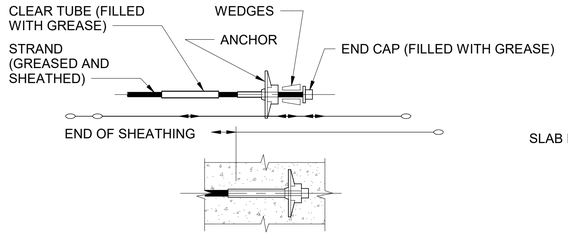


NOTES:

1. CLOSURE STRIP TO REMAIN OPEN FOR A MINIMUM OF 28 DAYS.
2. SEE TYPICAL CLOSURE STRIP SHORING DETAIL 10/F1592-SGD542.
3. SEE TYPICAL SLAB EDGE DETAILS FOR REINFORCEMENT AT TENDON ANCHORS 8/F1592-SGD542 AND 9/F1592-SGD542 .
4. SEE TYPICAL SLAB SEALANT JOINT DETAIL 4/F1592-SGD542 FOR JOINT SIZE AND TREATMENT.
5. AT UNSUPPORTED SLAB CORNERS OF CLOSURE STRIPS, ADD REINFORCEMENT PER 1/F1592-SGD542 OR ADDED BARS AT CORNERS.
6. FOR BARS LARGER THAN #5, PROVIDE COUPLERS.



AT STRESSING END



AT FIXED END

NOTES:

1. LOCATE ANCHOR AT BULKHEAD PER FRAMING PLANS.
2. INSTALL POCKET FORMER FLUSH BETWEEN BULKHEAD AND ANCHOR FOR TIGHT SEAL.
3. SLIDE GREASE-FILLED CLEAR TUBE TIGHT AGAINST ANCHOR, PROVIDING MINIMUM OVERLAP AS REQUIRED PER GENERAL NOTES BETWEEN SLEEVE AND END OF SHEATHING.
4. AT TIME OF STRESSING, REMOVE POCKET FORMER AND INSERT WEDGES.
5. AFTER STRESSING AND ENGINEER'S APPROVAL OF STRESSING RECORD, CUT STRAND PER GENERAL NOTES AND GREASE END CAP PRIOR TO INSERTING IT TIGHT AGAINST ANCHOR. SEE GENERAL NOTES FOR ADDITIONAL INFORMATION.
6. FILL STRESSING POCKET PER GENERAL NOTES.

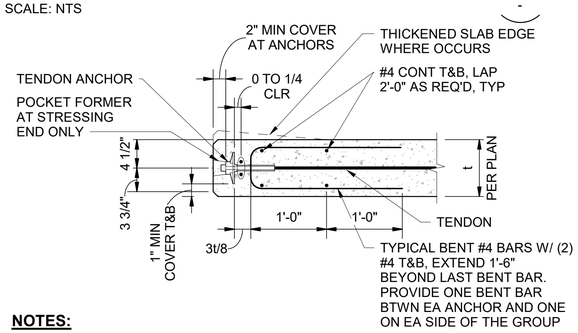
NOTES:

1. LOCATE ANCHOR PER FRAMING PLANS.
2. ASSEMBLE GREASE CAP AND GREASE-FILLED SLEEVE TIGHT TO ANCHOR. IF FIELD SEATING IS REQUIRED, BE SURE ALL COMPONENTS ARE TIGHT TO ANCHOR.

TYP ENCAPSULATION DETAILS

5 / -

SCALE: NTS



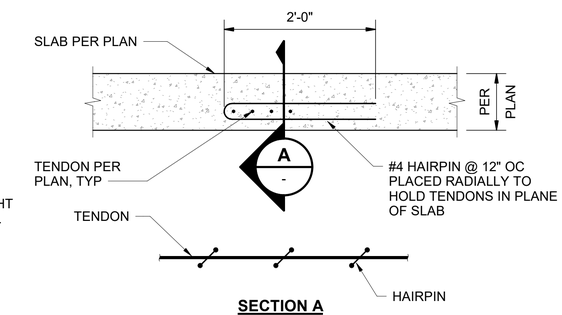
NOTES:

1. THIS DETAIL IS REQUIRED AT ANY LOCATION WHERE THERE ARE SIX OR MORE TENDON ANCHORS SPACED AT 12 INCHES OR LESS ON CENTER.
2. CONTRACTOR SHALL USE DIAGONALLY CUT, LONG POCKET FORMERS AT SLAB EDGES NOT PERPENDICULAR TO PT CABLE RUN.
3. IT IS STRUCTURALLY ACCEPTABLE FOR THE DISTRIBUTED TENDONS TO BE SPLAYED WITH RESPECT TO THE CENTERLINE OF ITS ORIGINAL POSITION PROVIDED CABLES ARE NO MORE THAN 3'-0" APART AND CABLES ARE 3 1/2" MIN FROM EDGE OF CLADDING EMBED PLATE SUPPORTS.

TYP SLAB EDGE AT TENDON GROUPS

8 / -

SCALE: NTS

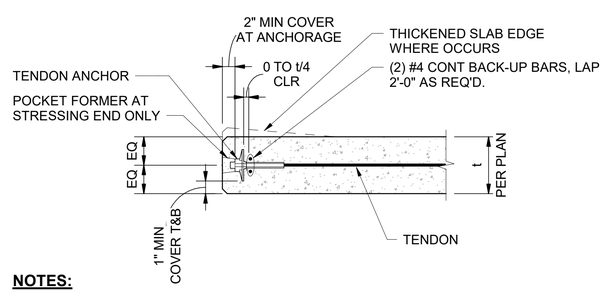


SECTION A

TYP HAIRPIN

6 / -

SCALE: NTS



NOTES:

1. WHERE SIX OR MORE TENDONS ARE SPACED AT 12" OR LESS ON CENTER, PROVIDE REINFORCING IN ACCORDANCE WITH 8/F1592-SGD542
2. CONTRACTOR SHALL USE DIAGONALLY CUT, LONG POCKET FORMERS AT SLAB EDGES NOT PERPENDICULAR TO PT CABLE RUN.
3. WHERE TENDON IS WITHIN 12" OF A SLAB CORNER, PROVIDE BENT BARS EACH SIDE IN ACCORDANCE WITH 8/F1592-SGD542

TYP SLAB EDGE AT ISOLATED TENDONS

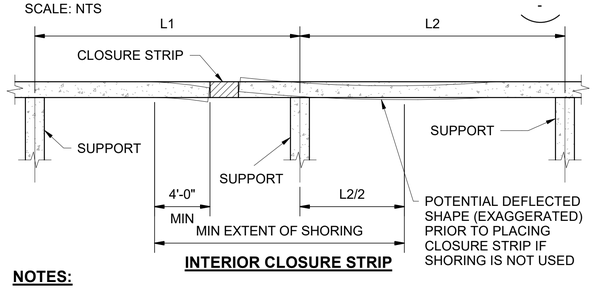
9 / -

SCALE: NTS

TYP CLOSURE STRIP

7 / -

SCALE: NTS



INTERIOR CLOSURE STRIP

NOTES:

1. SHORING MUST BE SIZED FOR WEIGHT OF SLAB PLUS ALL CONSTRUCTION LOADS.
2. BACKSHORING IS PERMISSIBLE PROVIDED THE BACKSHORE SYSTEM DOES NOT DEFLECT AXIALLY AND IF THE BACKSHORING PROCEDURE DOES NOT ALLOW THE SLAB TO DEFLECT VERTICALLY.
3. SEE TYPICAL CLOSURE STRIP DETAIL FOR CLOSURE TIME INTERVAL REQUIREMENTS.
4. SHORING / BACKSHORING SHALL BE SPACED AT 6'-0" MAXIMUM ON CENTER, EACH WAY.

TYP CLOSURE STRIP SHORING

10 / -

SCALE: NTS

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	NAS	JDA	SLR	FINAL AS-BUILT

DESIGNED BY: N. SCHWAB
DRAWN BY: M. AGUILING
CHECKED BY: J. ARMENA
APPROVED BY: S. ROBERTS

kpff

SUBMITTED BY: SARA ROBERTS

HENSEL PHELPS Plan. Build. Manage. kpff

DATE: 10/26/2022

REVIEWED BY: GREG SHIMIZU

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT

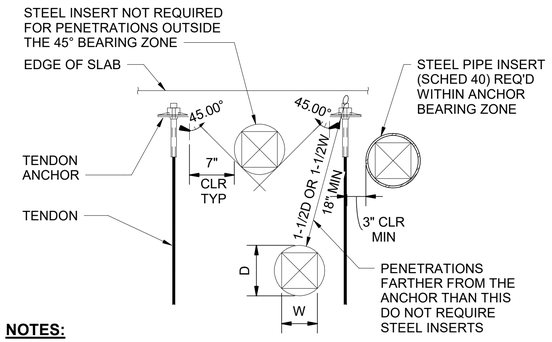
DATE: 10/26/2022

SCALE: AS NOTED
FILENAME: S317-F1592-S_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
STRUCTURAL
CONCRETE PT DETAILS

DRAWING No.: F1592-SGD542
FACILITY ID: F1592
SHEET No.: 237
REV.: 0

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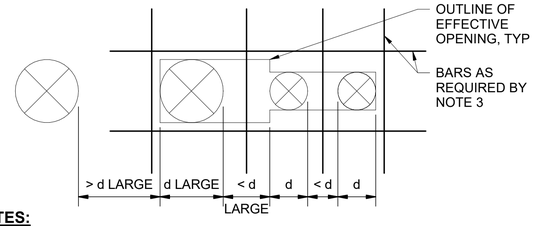
NOTES:

1. ANY SLAB OPENING WITH DIMENSIONS GREATER THAN 1'-0" MUST HAVE REINFORCEMENT PER "TYPICAL PT SLAB OPENINGS" DETAIL.
2. SEE TYPICAL SLAB EDGE DETAILS FOR ADDITIONAL INFORMATION.
3. WHERE BACK-UP BARS ARE INTERRUPTED BY PENETRATIONS, CUT BACK-UP BARS 1" CLEAR FROM EDGE OF PENETRATIONS.

TYP PT SLAB PENETRATIONS AT TENDON ANCHORS

1

SCALE: NTS



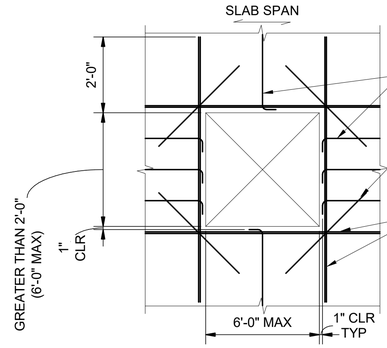
NOTES:

1. DETAIL FOR USE WHERE PENETRATIONS ARE LESS THAN 1'-0" LONG AND WIDE. IF THE EFFECTIVE OPENING LENGTH OR WIDTH IS GREATER THAN 1'-0", FOLLOW THE TRIM REQUIREMENTS PER 3/F1592-SGD543
2. SPREAD INTERRUPTED REINFORCING AROUND PENETRATIONS.
3. AT MULTIPLE SLAB PENETRATIONS, WHERE THE CLEAR DISTANCE BETWEEN ADJACENT PENETRATIONS IS LESS THAN THE DIAMETER OF THE LARGER PENETRATION, PROVIDE (1) #4 TOP AND BOTTOM TRIM BARS ALL AROUND THE EFFECTIVE OPENING AND BETWEEN PENETRATIONS. EXTEND TRIM BARS 1'-6" PAST THE EFFECTIVE OPENING EDGE. DIAGONAL BARS ARE NOT REQUIRED AT THESE CONDITIONS.
4. THE CLEAR DISTANCE BETWEEN ADJACENT PENETRATIONS SHALL NOT BE LESS THAN THE GREATER OF 1/2x DIAMETER OF THE PENETRATION OR 2".
5. SEE TYPICAL PENETRATIONS NEAR TENDON ANCHORS 1/F1592-SGD543 WHEN PENETRATIONS ARE ADJACENT TO TENDON ANCHORAGE.
6. PROVIDE A MINIMUM OF 3" CLEAR FROM THE EDGE OF THE EFFECTIVE OPENING TO ANY PT TENDON.
7. PENETRATIONS ARE NOT PERMITTED WITHIN 4'-0" OF COLUMNS UNLESS NOTED OTHERWISE OR APPROVED BY ENGINEER.
8. PENETRATIONS MUST REMAIN AT LEAST ONE DIAMETER CLEAR OF ADJACENT SLAB EDGES.
9. CONDUIT THAT SWEEPS OUT OF SLAB VERTICALLY SHOULD BE TREATED AS A PENETRATION.

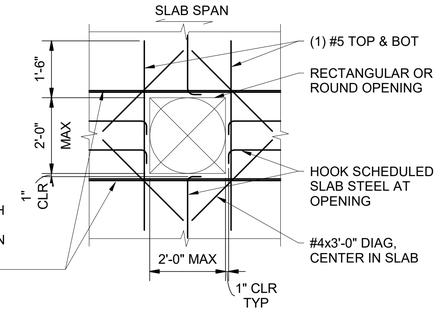
TYP PT SLAB PENETRATIONS

2

SCALE: NTS



2'-0" < LARGE OPENING < 4'-0"



1'-0" < OPENING ≤ 2'-0"

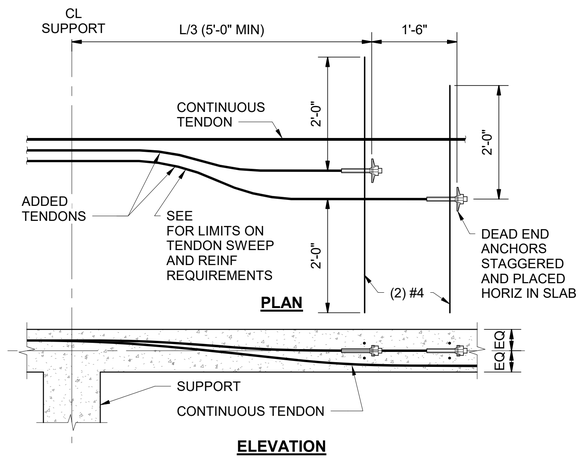
NOTES:

1. OPENINGS GREATER THAN 1'-0" NOT SHOWN ON STRUCTURAL DRAWINGS MUST BE APPROVED BY ENGINEER.
2. SEE DETAIL 2/F1592-SGD543 FOR PENETRATIONS LESS THAN 1'-0" SQUARE.
3. SEE DETAIL 5/F1592-SGD543 WHERE TENDONS SWEEP AROUND OPENING.
4. USE OF THESE DETAILS ONLY VALID WHERE A SINGLE OPENING IS PRESENT ALONG SLAB SPAN AND WHERE OPENINGS SPACED PERPENDICULAR TO SLAB SPAN ARE AT LEAST 10'-0" CLEAR FROM ADJACENT OPENING.

TYP ONE-WAY PT SLAB OPENING

3

SCALE: NTS



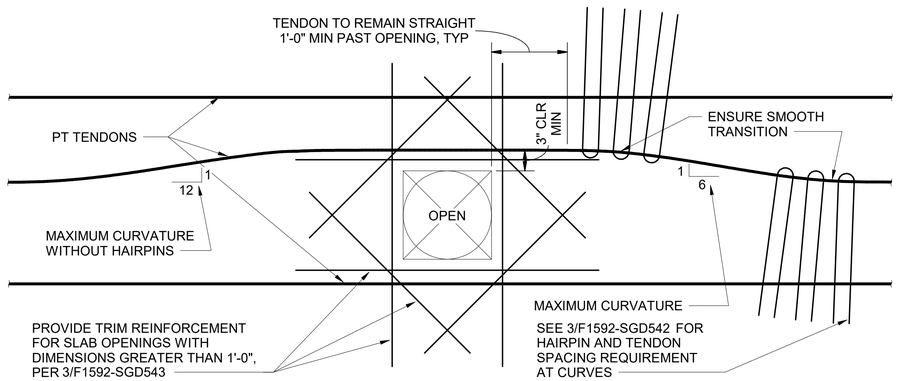
NOTES:

1. SEE TYPICAL SLAB EDGE DETAILS FOR REINFORCEMENT AT TENDON ANCHORS.
2. L = DISTANCE TO CL OF NEXT SUPPORT.

TYP ADDED TENDONS

4

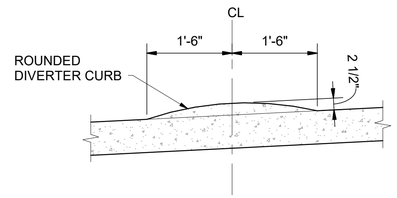
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TYP TENDON CURVATURE AT SLAB OPENING

5

SCALE: NTS



DIVERTER CURB DETAIL

6

F1592-SGP202

SCALE: NTS

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	NAS	JDA	SLR	FINAL AS-BUILT

DESIGNED BY: N. SCHWAB
DRAWN BY: M. AGUILING
CHECKED BY: J. ARMENA
APPROVED BY: S. ROBERTS

kpff

HENSEL PHELPS Plan. Build. Manage.

kpff

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT

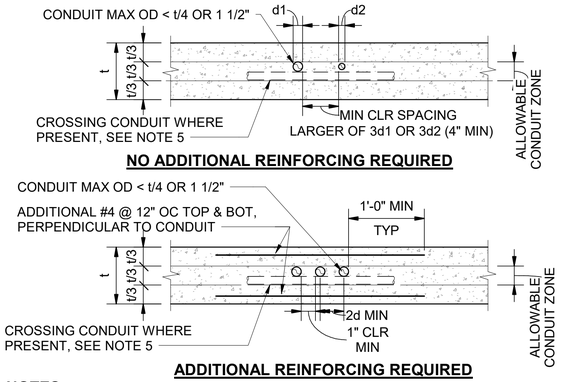
SUBMITTED BY: SARA ROBERTS
DATE: 10/26/2022
REVIEWED BY: GREG SHIMIZU
DATE: 10/26/2022

SCALE: AS NOTED
FILENAME: S317-F1592-S_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
STRUCTURAL
CONCRETE PT DETAILS

DRAWING No.: F1592-SGD543
FACILITY ID: F1592
SHEET No.: 238
REV.: 0

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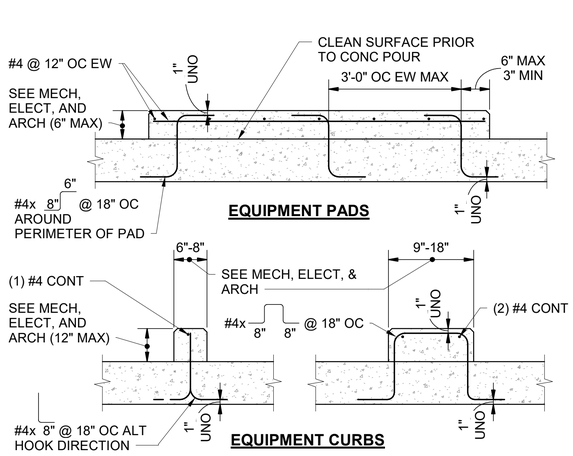


NOTES:

1. ADDITIONAL REINFORCING IS REQUIRED WHEREVER CONDUIT IS SPACED AT LESS THAN 4" OR 3d CLEAR.
2. PROVIDE 2" MINIMUM CLEAR BETWEEN CONDUITS AND TENDONS.
3. TENDON AND MILD REINFORCING LOCATIONS TAKE PRECEDENCE OVER CONDUIT LOCATIONS.
4. STACKING OF PARALLEL CONDUIT IS PROHIBITED.
5. CONDUITS SHALL CROSS AT AN ANGLE NOT LESS THAN 45 DEGREES. THE COMBINED DIAMETER SHALL NOT EXCEED 1/3 THE SLAB DEPTH.
6. CONDUIT IS NOT PERMITTED TO PASS THROUGH COLUMNS.

CONDUIT IN PT SLABS — 1 / -

SCALE: NTS

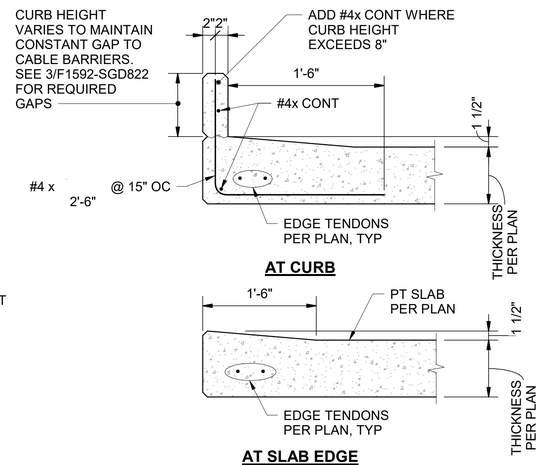


NOTES:

1. EQUIPMENT PAD SIZE TO BE 6" LARGER THAN EQUIPMENT IN EACH DIRECTION, UNO.
2. COORDINATE EXACT SIZE AND LOCATION OF CURB AND PADS WITH EQUIPMENT PROVIDED.

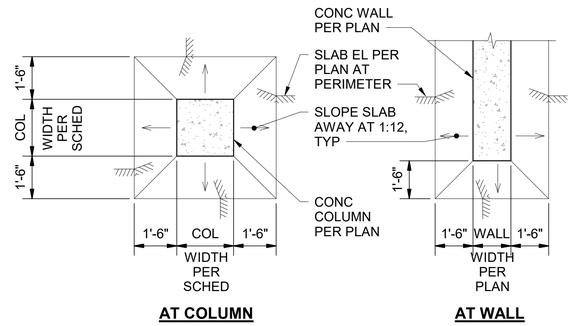
TYP EQUIPMENT CURBS & PADS ON PT SLABS — 2 / -

SCALE: NTS



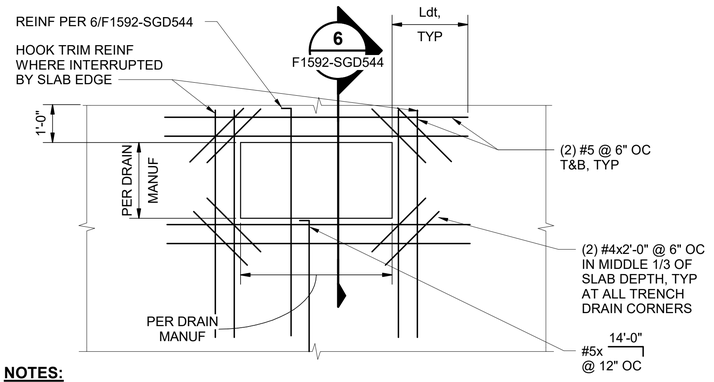
TYP THICKENED SLAB EDGE — 3 / -

SCALE: NTS



TYP THICKENED PT SLAB AT COLUMN AND WALL — 4 / -

SCALE: NTS

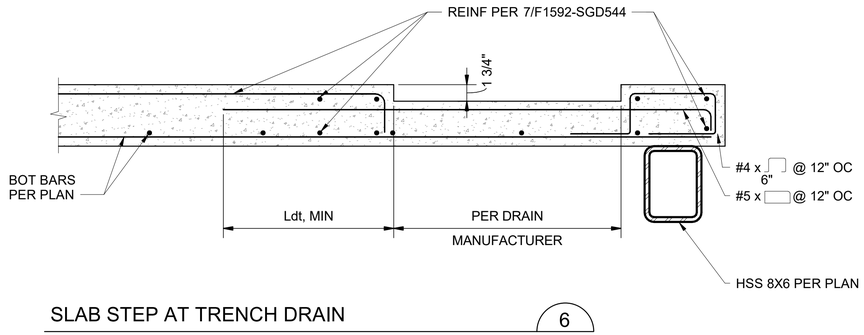


NOTES:

1. ALL REINFINFORCING SHOWN IS IN ADDITION TO REINFORCING PER F1592-SGP502

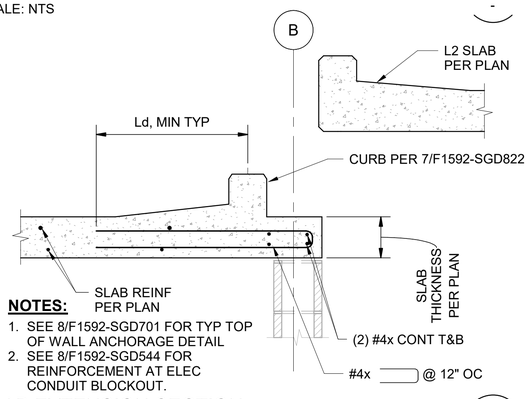
PARTIAL PLAN - SLAB AT TRENCH DRAIN — 5 / F1592-SGP713

SCALE: NTS



SLAB STEP AT TRENCH DRAIN — 6 / F1592-SGD544

SCALE: NTS

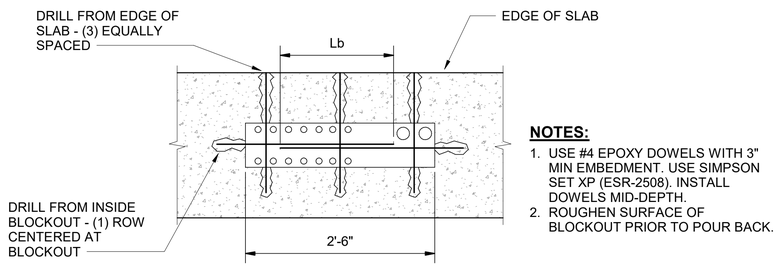


NOTES:

1. SEE 8/F1592-SGD701 FOR TYP TOP OF WALL ANCHORAGE DETAIL
2. SEE 8/F1592-SGD544 FOR REINFORCEMENT AT ELEC CONDUIT BLOCKOUT.

SLAB EXTENSION SECTION — 7 / F1592-SGP201

SCALE: 1" = 1'-0"

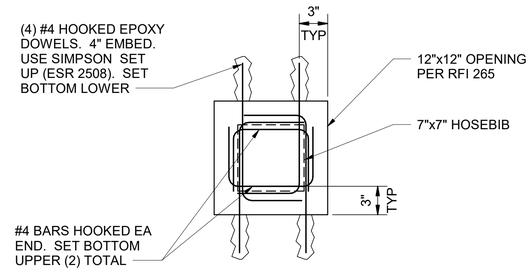


NOTES:

1. USE #4 EPOXY DOWELS WITH 3" MIN EMBEDMENT. USE SIMPSON SET XP (ESR-2508). INSTALL DOWELS MID-DEPTH.
2. ROUGHEN SURFACE OF BLOCKOUT PRIOR TO POUR BACK.

ELEC CONDUIT BLOCKOUT REINFORCEMENT (RFI 119.2) — 8 / -

SCALE: NTS



REINFORCEMENT AT HOSEBIB BLOCKOUT (RFI 265) — 9 / F1592-SGP202

SCALE: 1 1/2" = 1'-0"

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FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	NAS	JDA	SLR	FINAL AS-BUILT

DESIGNED BY: N. SCHWAB
DRAWN BY: M. AGUILING
CHECKED BY: J. ARMENA
APPROVED BY: S. ROBERTS

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HENSEL PHELPS Plan. Build. Manage.
kpff

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT

SCALE: AS NOTED
FILENAME: S317-F1592-S_v2020
CONTRACT No.: RTA/CN 0612-18

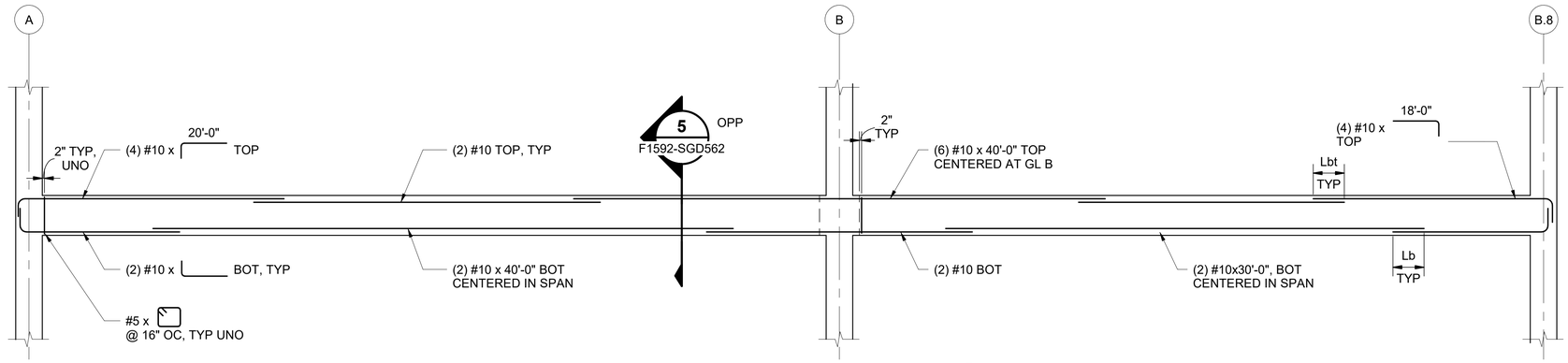
SUBMITTED BY:	DATE:	REVIEWED BY:	DATE:	SUBMITTAL DATE:
SARA ROBERTS	10/26/2022	GREG SHIMIZU	10/26/2022	10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
STRUCTURAL
CONCRETE PT DETAILS

DRAWING No.: F1592-SGD544
FACILITY ID: F1592
SHEET No.: 239
REV: 0

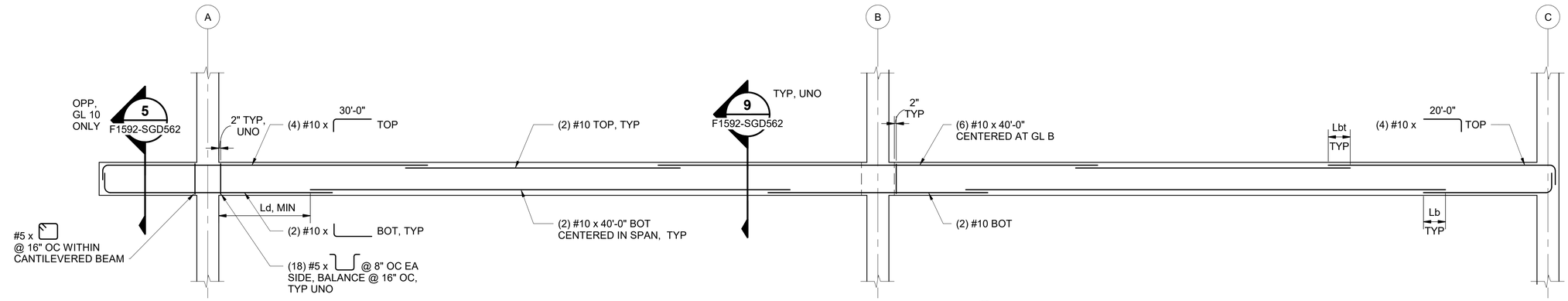
NOTES:

1. FRAMING SLOPES NOT SHOWN.
2. SEE F1592-SGD562 FOR BEAM DETAILS.
3. AT CONTRACTOR'S OPTION, LONGITUDINAL BAR SIZE AT CORNERS OF STIRRUPS MAY BE INCREASED TO #10 BARS TO AID IN PLACEMENT OF BEAM REINFORCEMENT.



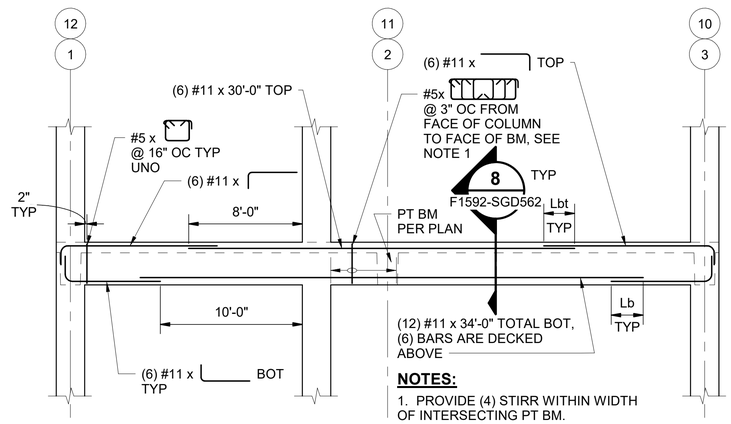
B-02 BEAM ELEVATION (A)

SCALE: NTS



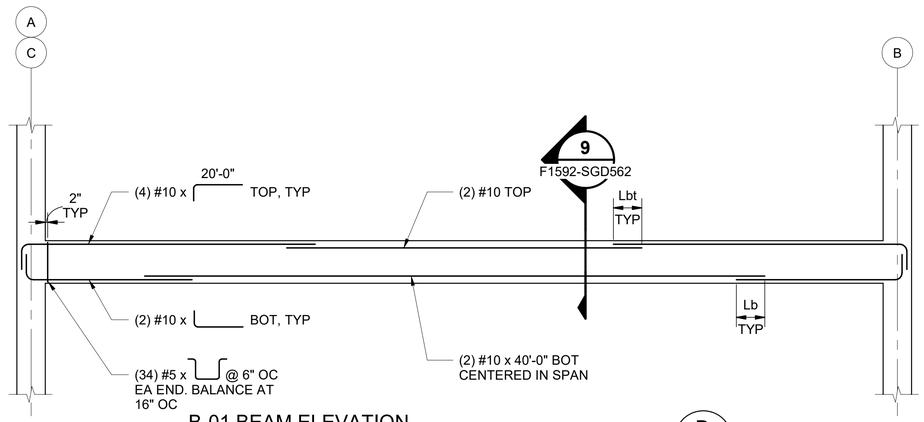
B-03 BEAM ELEVATION (B)

SCALE: NTS



B-05 BEAM ELEVATION (C)

SCALE: NTS



B-01 BEAM ELEVATION (D)

SCALE: NTS

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	NAS	JDA	SLR	FINAL AS-BUILT

DESIGNED BY: N. SCHWAB
DRAWN BY: M. AGUILING
CHECKED BY: J. ARMENA
APPROVED BY: S. ROBERTS

kpff

HENSEL PHELPS Plan. Build. Manage.

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LINE IS 1" AT FULL SCALE

SOUNDTRANSIT

SUBMITTED BY: SARA ROBERTS
DATE: 10/26/2022
REVIEWED BY: GREG SHIMIZU
DATE: 10/26/2022
SUBMITTAL DATE: 10/26/2022

SCALE: AS NOTED
FILENAME: S317-F1592-S_v2020
CONTRACT No.: RTA/CN 0612-18

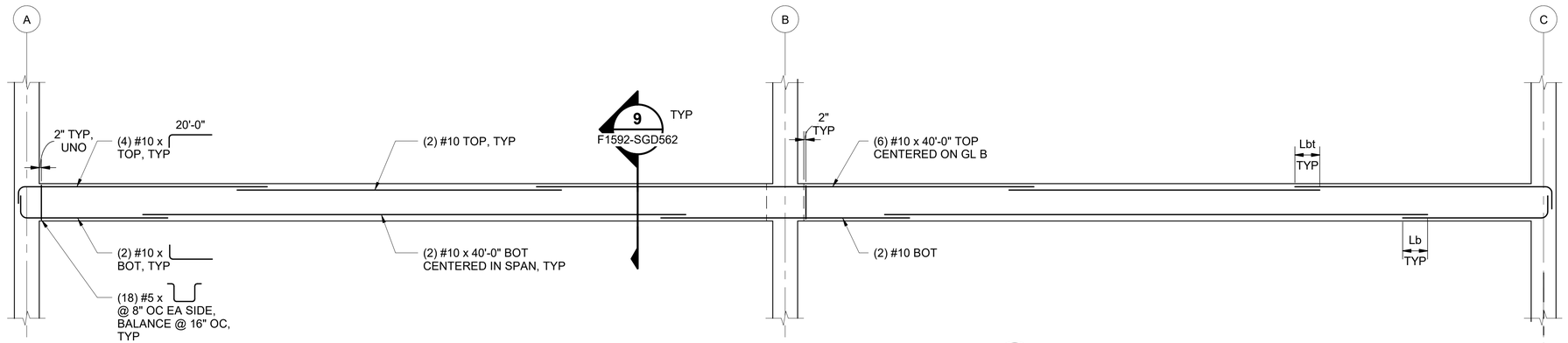
PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
STRUCTURAL
CONCRETE BEAM ELEVATIONS

DRAWING No.: F1592-SGD551
FACILITY ID: F1592
SHEET No.: 240
REV.: 0

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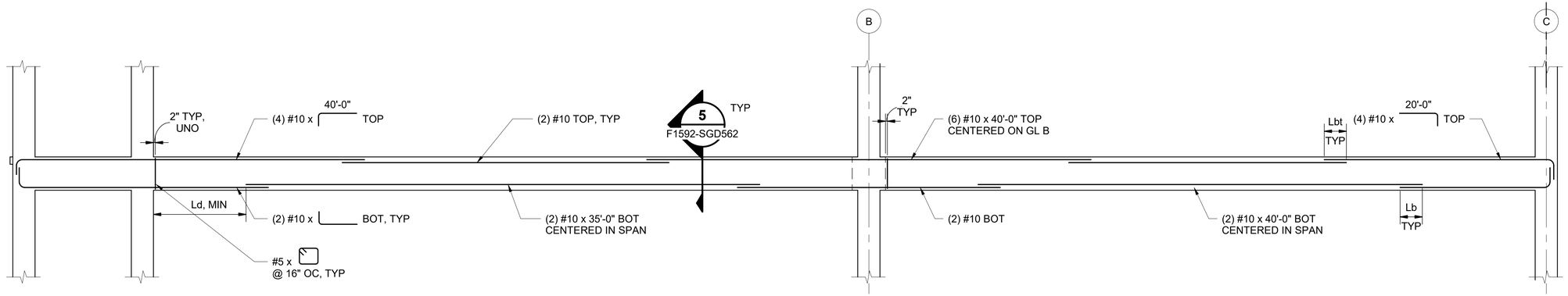
NOTES:

1. FRAMING SLOPES NOT SHOWN.
2. SEE F1592-SGD562 FOR BEAM DETAILS.
3. AT CONTRACTOR'S OPTION, LONGITUDINAL BAR SIZE AT CORNERS OF STIRRUPS MAY BE INCREASED TO #10 BARS TO AID IN PLACEMENT OF BEAM REINFORCEMENT.



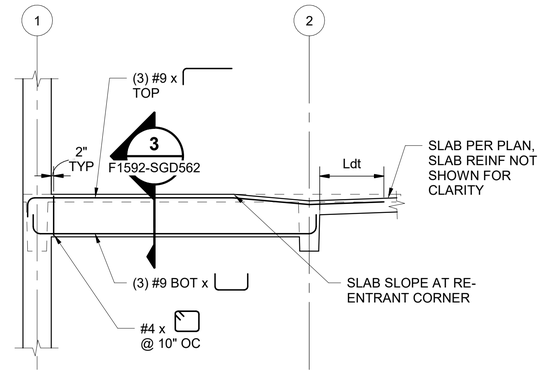
B-15 BEAM ELEVATION — A

SCALE: NTS



B-07 BEAM ELEVATION — B

SCALE: NTS



B-06 BEAM ELEVATION — C

SCALE: NTS

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FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	NAS	JDA	SLR	FINAL AS-BUILT

DESIGNED BY: N. SCHWAB
DRAWN BY: M. AGUILING
CHECKED BY: J. ARMENA
APPROVED BY: S. ROBERTS

kpff

SUBMITTED BY: SARA ROBERTS

HENSEL PHELPS Plan. Build. Manage. kpff

DATE: 10/26/2022

REVIEWED BY: GREG SHIMIZU

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT

DATE: 10/26/2022

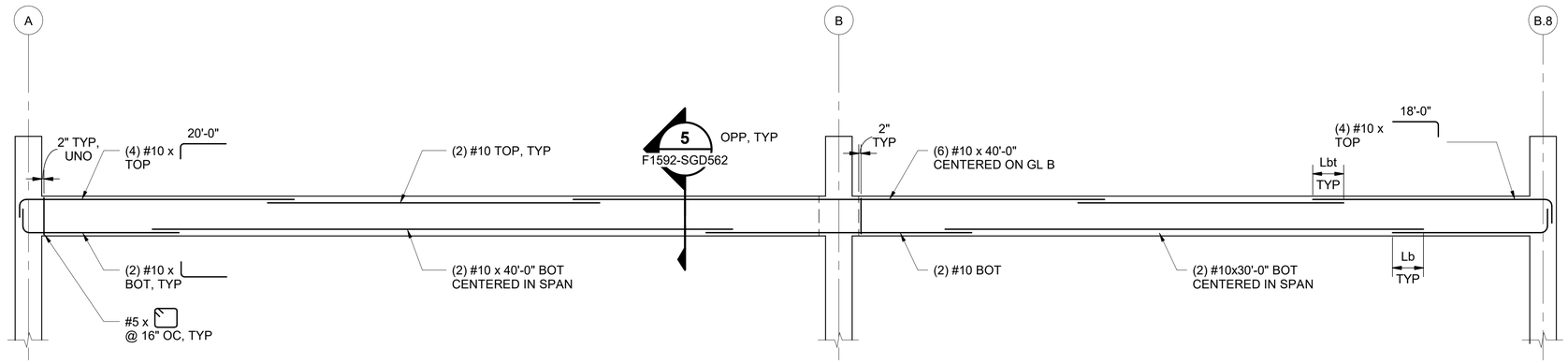
SCALE: AS NOTED
FILENAME: S317-F1592-S_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
STRUCTURAL
CONCRETE BEAM ELEVATIONS

DRAWING No.: **F1592-SGD552**
FACILITY ID: F1592
SHEET No: 241
REV: 0

NOTES:

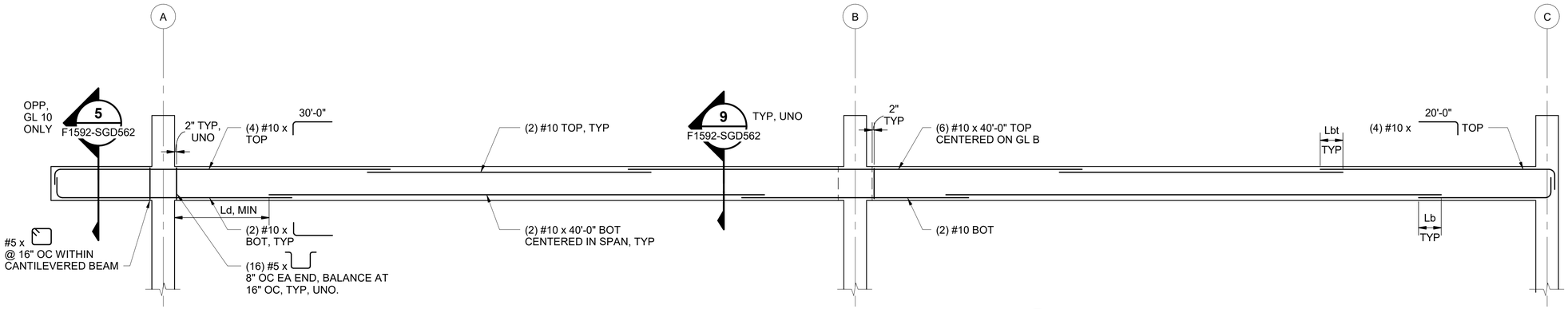
1. FRAMING SLOPES NOT SHOWN.
2. SEE F1592-SGD562 FOR BEAM DETAILS.
3. AT CONTRACTOR'S OPTION, LONGITUDINAL BAR SIZE AT CORNERS OF STIRRUPS MAY BE INCREASED TO #10 BARS TO AID IN PLACEMENT OF BEAM REINFORCEMENT.



B-12 BEAM ELEVATION

SCALE: NTS

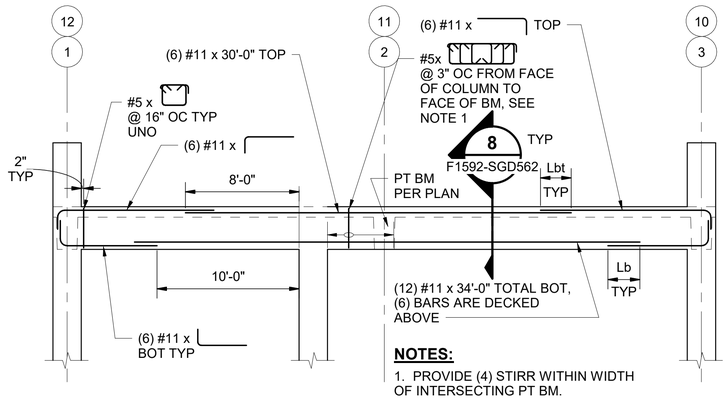
A -



B-09 BEAM ELEVATION

SCALE: NTS

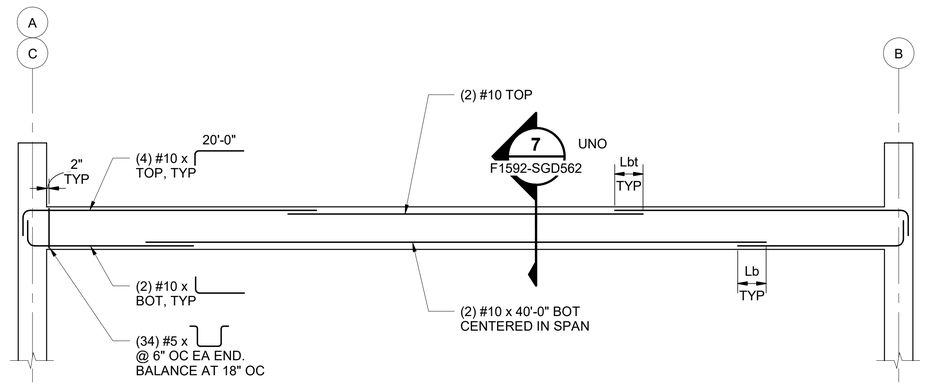
B -



B-11 BEAM ELEVATION

SCALE: NTS

C -



B-08 BEAM ELEVATION

SCALE: NTS

D -

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FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	NAS	JDA	SLR	FINAL AS-BUILT

DESIGNED BY: N. SCHWAB
DRAWN BY: M. AGUILING
CHECKED BY: J. ARMENA
APPROVED BY: S. ROBERTS

kpff — SUBMITTED BY: SARA ROBERTS — DATE: 10/26/2022

HENSEL PHELPS Plan. Build. Manage. kpff — REVIEWED BY: GREG SHIMIZU — DATE: 10/26/2022

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT

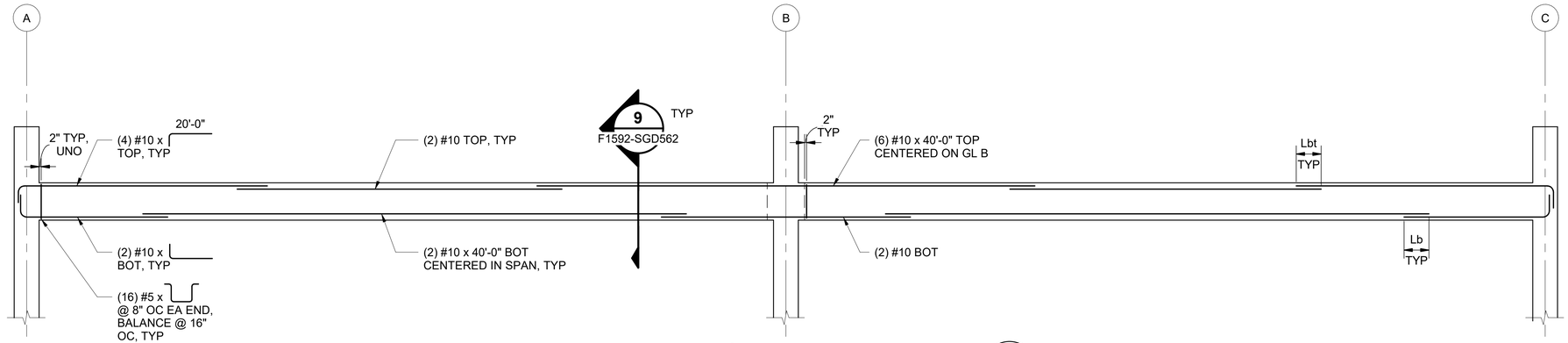
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FILENAME: S317-F1592-S_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
STRUCTURAL
CONCRETE BEAM ELEVATIONS

DRAWING No.: F1592-SGD553
FACILITY ID: F1592
SHEET No.: 242
REV.: 0

NOTES:

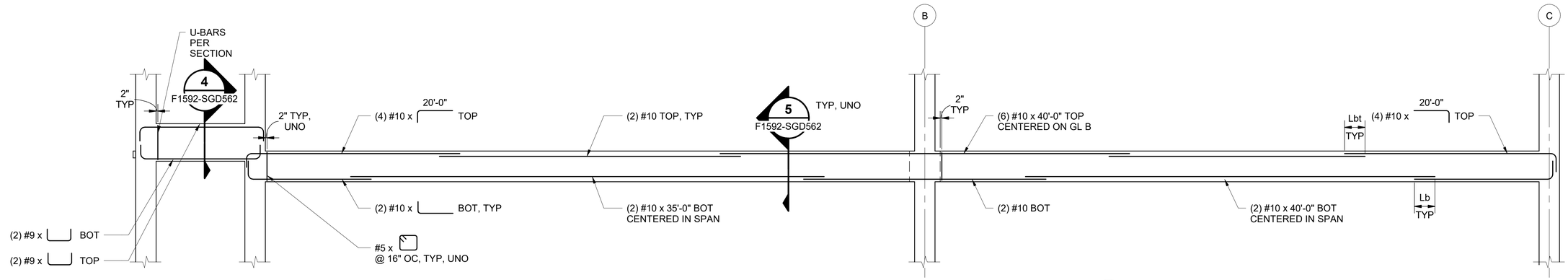
1. FRAMING SLOPES NOT SHOWN.
2. SEE F1592-SGD562 FOR BEAM DETAILS.
3. AT CONTRACTOR'S OPTION, LONGITUDINAL BAR SIZE AT CORNERS OF STIRRUPS MAY BE INCREASED TO #10 BARS TO AID IN PLACEMENT OF BEAM REINFORCEMENT.



B-16 BEAM ELEVATION

SCALE: NTS

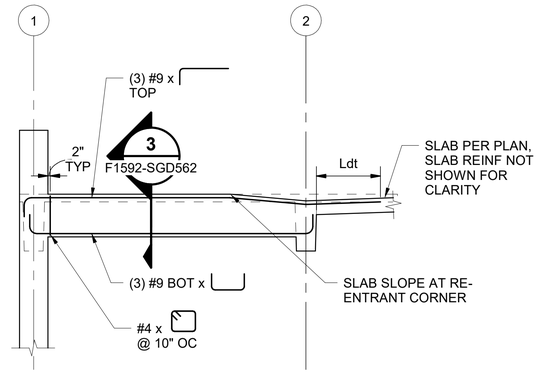
A -



B-14 BEAM ELEVATION

SCALE: NTS

B -



B-13 BEAM ELEVATION

SCALE: NTS

C -

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	NAS	JDA	SLR	FINAL AS-BUILT

DESIGNED BY: N. SCHWAB
DRAWN BY: M. AGUILING
CHECKED BY: J. ARMENA
APPROVED BY: S. ROBERTS

kpff — SUBMITTED BY: SARA ROBERTS — DATE: 10/26/2022

HENSEL PHELPS Plan. Build. Manage. kpff — REVIEWED BY: GREG SHIMIZU — DATE: 10/26/2022

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT

SCALE: AS NOTED
FILENAME: S317-F1592-S_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

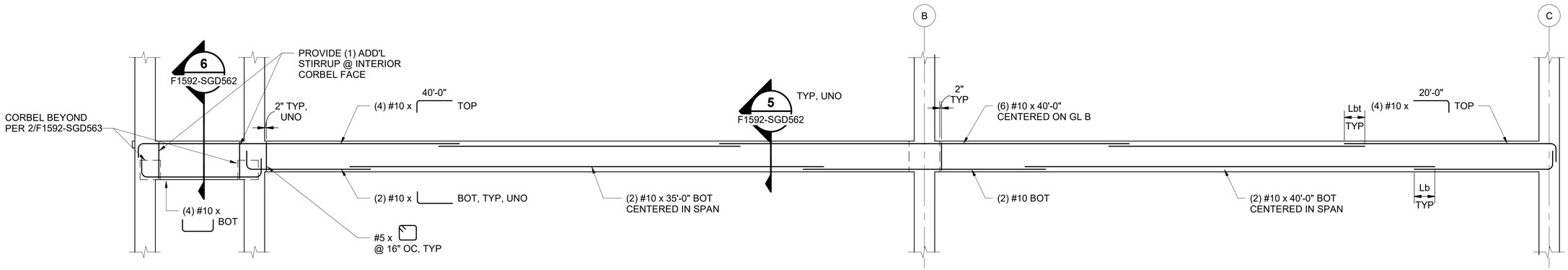
PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
STRUCTURAL
CONCRETE BEAM ELEVATIONS

DRAWING No.: F1592-SGD554
FACILITY ID: F1592
SHEET No: 243
REV: 0

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NOTES:

1. FRAMING SLOPES NOT SHOWN.
2. SEE F1592-SGD562 FOR BEAM DETAILS.
3. AT CONTRACTOR'S OPTION, LONGITUDINAL BAR SIZE AT CORNERS OF STIRRUPS MAY BE INCREASED TO #10 BARS TO AID IN PLACEMENT OF BEAM REINFORCEMENT.



B-17 BEAM ELEVATION

SCALE: NTS

A
-

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FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	NAS	JDA	SLR	FINAL AS-BUILT

DESIGNED BY: N. SCHWAB
DRAWN BY: M. AGUILING
CHECKED BY: J. ARMENA
APPROVED BY: S. ROBERTS

kpff

HENSEL PHELPS
Plan. Build. Manage.
kpff

LINE IS 1" AT FULL SCALE

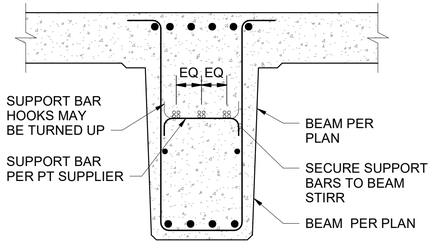
SOUNDTRANSIT

SUBMITTED BY: SARA ROBERTS
DATE: 10/26/2022
REVIEWED BY: GREG SHIMIZU
DATE: 10/26/2022

SCALE: AS NOTED
FILENAME: S317-F1592-S_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
STRUCTURAL
CONCRETE BEAM ELEVATIONS

DRAWING No.: **F1592-SGD555**
FACILITY ID: F1592
SHEET No: 244
REV: 0

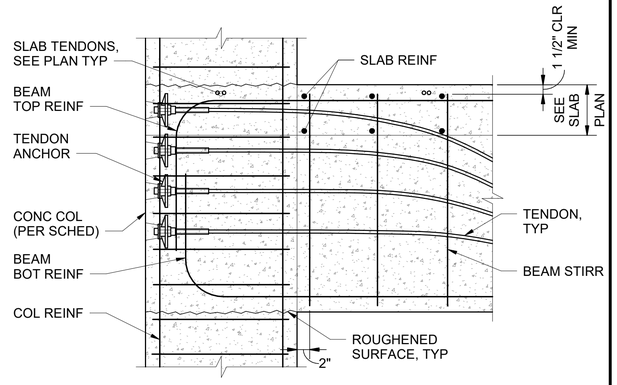


NOTES:

1. PROVIDE SUPPORT BARS AS REQUIRED TO MAINTAIN PROPER PROFILE. MAXIMUM SPACING PER POST-TENSIONING NOTES.
2. LOAD TENDONS IN EQUAL BUNDLES WHENEVER POSSIBLE.

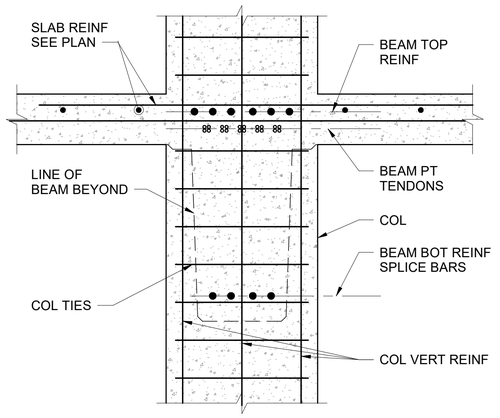
TYPICAL TENDON SUPPORT SECTION — 1

SCALE: 1" = 1'-0"



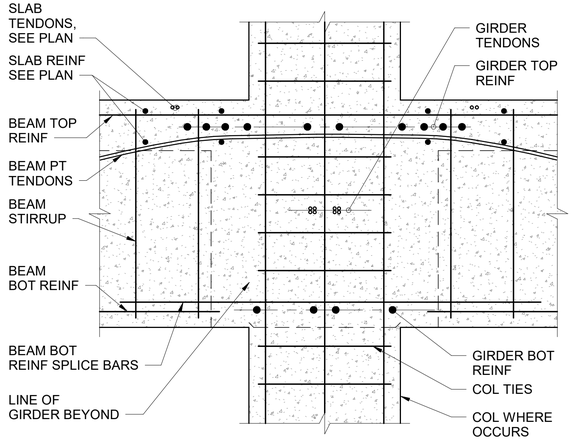
TYPICAL PT BEAM ANCHORAGE AT COLUMN — 2

SCALE: 1" = 1'-0"



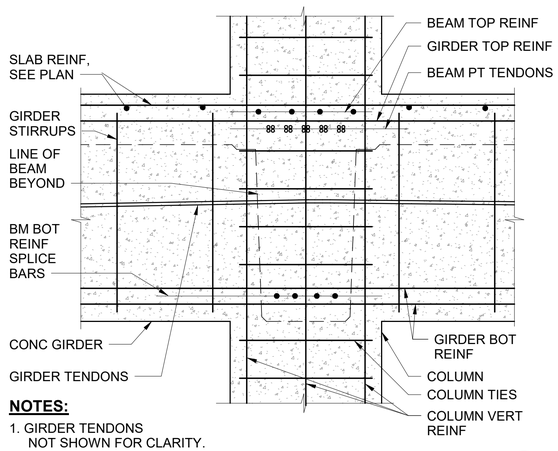
TYPICAL PT BEAM AT COL INTERSECTION — 3

SCALE: 1" = 1'-0"



TYP PT BEAM & GIRDER INTERSECTION — 4

SCALE: 1" = 1'-0"

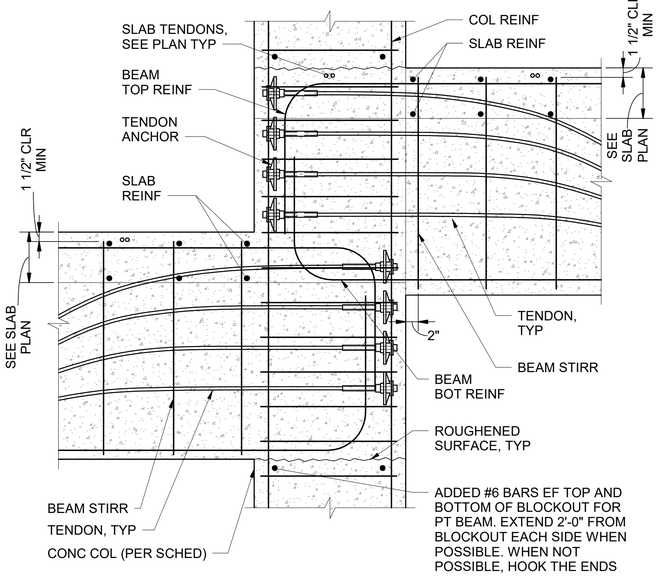


NOTES:

1. GIRDER TENDONS NOT SHOWN FOR CLARITY.

TYP PT BEAM & GIRDER INTERSECTION — 5

SCALE: 1" = 1'-0"



TYP PT ANCHORAGE AT WALL RAMP CONDITION — 6

SCALE: 1" = 1'-0"

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FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	NAS	JDA	SLR	FINAL AS-BUILT

DESIGNED BY: N. SCHWAB
DRAWN BY: M. AGUILING
CHECKED BY: J. ARMENA
APPROVED BY: S. ROBERTS

kpff — SUBMITTED BY: SARA ROBERTS — DATE: 10/26/2022

HENSEL PHELPS Plan. Build. Manage. kpff — REVIEWED BY: GREG SHIMIZU — DATE: 10/26/2022

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT

SCALE: 1" = 1'-0"
FILENAME: S317-F1592-S_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
STRUCTURAL
CONCRETE BEAM DETAILS

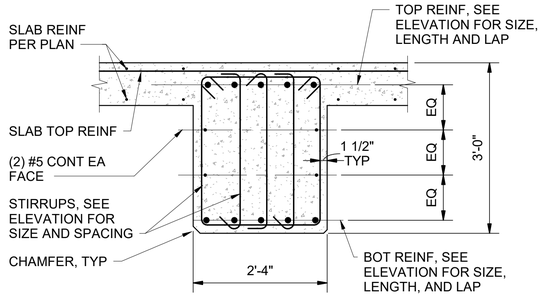
DRAWING No.: F1592-SGD561
FACILITY ID: F1592
SHEET No.: 245
REV.: 0

CONCRETE MOMENT FRAME BEAM

1

F1592-SGX431

SCALE: 3/4" = 1'-0"



NOTES:

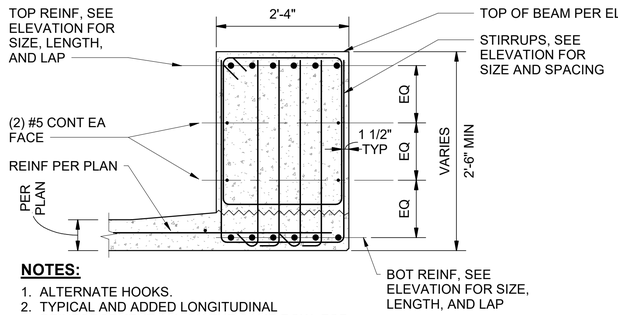
1. ALTERNATE HOOKS.
2. SLAB TENDONS NOT SHOWN FOR CLARITY.

UPTURNED CONCRETE MOMENT FRAME BEAM

2

F1592-SGX431

SCALE: 3/4" = 1'-0"



NOTES:

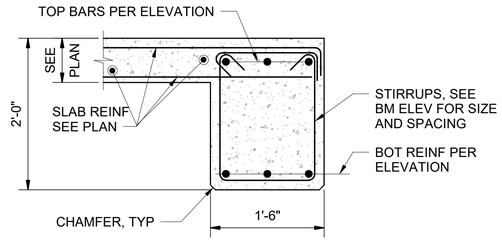
1. ALTERNATE HOOKS.
2. TYPICAL AND ADDED LONGITUDINAL REINFORCEMENT ALL ON THE SAME ROW, FOR THE TOP AND BOTTOM RESPECTIVELY.

BEAM SECTION

3

F1592-SGD552

SCALE: 1" = 1'-0"

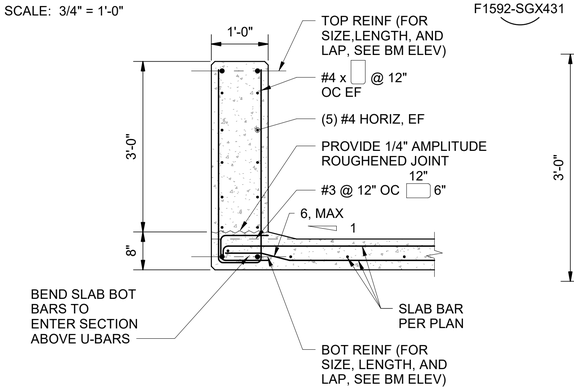


UPTURNED BEAM SECTION

4

F1592-SGD554

SCALE: 3/4" = 1'-0"

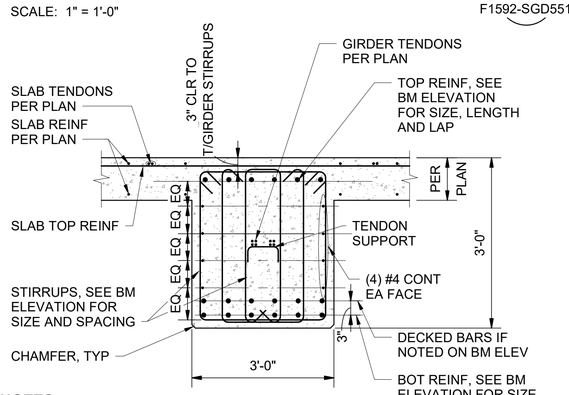


PT BEAM SECTION

5

F1592-SGD551

SCALE: 1" = 1'-0"



NOTES:

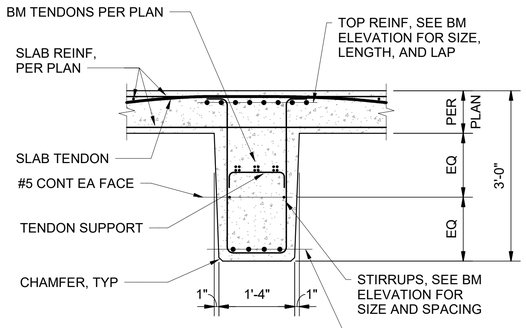
1. SEE 1/F1592-SGD561 FOR TENDON SUPPORT.
2. BEAM TENDONS NOT SHOWN FOR CLARITY.

BEAM SECTION

6

F1592-SGD555

SCALE: 1" = 1'-0"



NOTES:

1. SEE 1/F1592-SGD561 FOR TENDON SUPPORT.

PT BEAM

7

F1592-SGD553

SCALE: NTS

PT GIRDER

8

F1592-SGD551

SCALE: NTS

PT BEAM

9

F1592-SGD551

SCALE: NTS

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	NAS	JDA	SLR	FINAL AS-BUILT

DESIGNED BY: N. SCHWAB
DRAWN BY: M. AGUILING
CHECKED BY: J. ARMENA
APPROVED BY: S. ROBERTS

kpff

HENSEL PHELPS Plan. Build. Manage.

kpff

LINE IS 1" AT FULL SCALE

SUBMITTED BY: SARA ROBERTS
DATE: 10/26/2022
REVIEWED BY: GREG SHIMIZU
DATE: 10/26/2022

SoundTransit

SCALE: AS NOTED
FILENAME: S317-F1592-S_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
STRUCTURAL
CONCRETE BEAM DETAILS

DRAWING No.: F1592-SGD562
FACILITY ID: F1592
SHEET No.: 246
REV.: 0

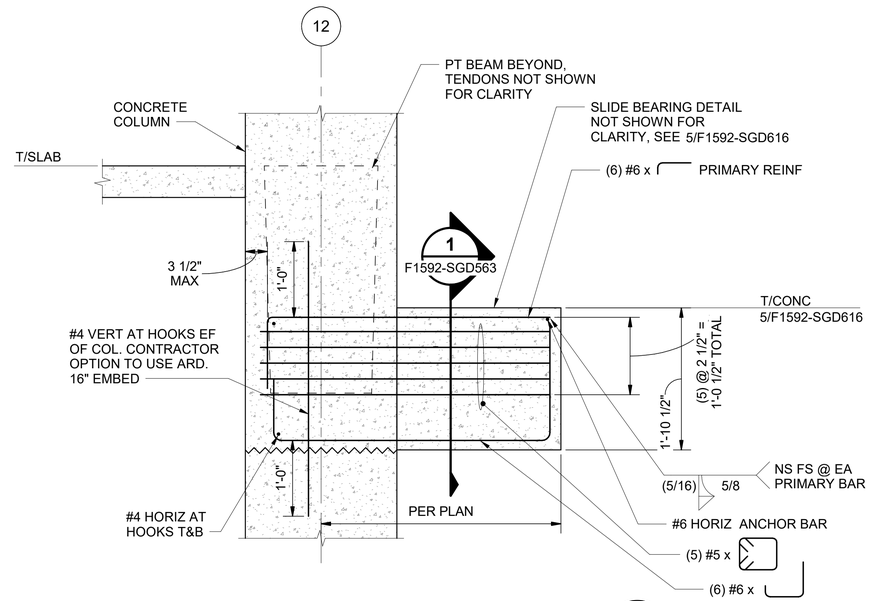
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CORBEL DETAIL

SCALE: 1" = 1'-0"

1 F1592-SGD563



CORBEL DETAIL

SCALE: 1" = 1'-0"

2 -

6/21/2022 4:49:33 PM
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FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	NAS	JDA	SLR	FINAL AS-BUILT

DESIGNED BY: N. SCHWAB
DRAWN BY: M. AGUILING
CHECKED BY: J. ARMENA
APPROVED BY: S. ROBERTS

kpff

HENSEL PHELPS
Plan. Build. Manage.
kpff

LINE IS 1" AT FULL SCALE

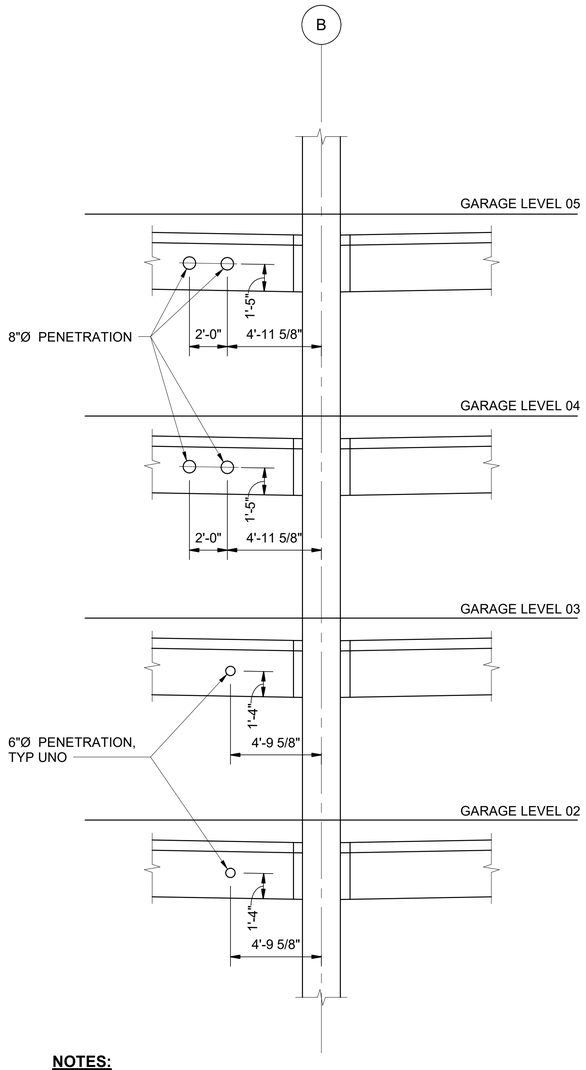
SOUNDTRANSIT

SUBMITTED BY: SARA ROBERTS
DATE: 10/26/2022
REVIEWED BY: GREG SHIMIZU
DATE: 10/26/2022

SCALE: 1" = 1'-0"
FILENAME: S317-F1592-S_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
STRUCTURAL
CONCRETE BEAM DETAILS

DRAWING No.: F1592-SGD563
FACILITY ID: F1592
SHEET No.: 247
REV.: 0

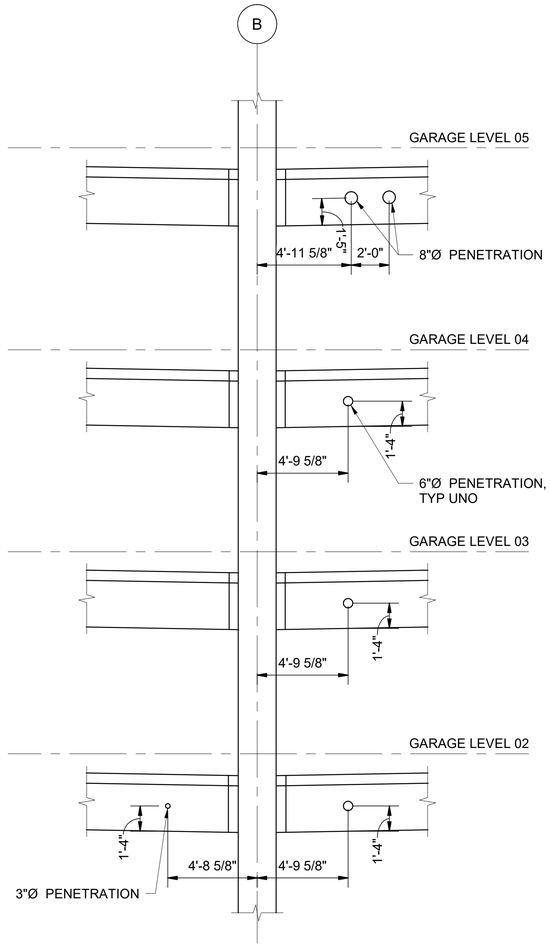


NOTES:

1. ELEV LOOKING EAST.

GRID 3/B DRAINAGE SLEEVES — 1

SCALE: 1/4" = 1'-0"

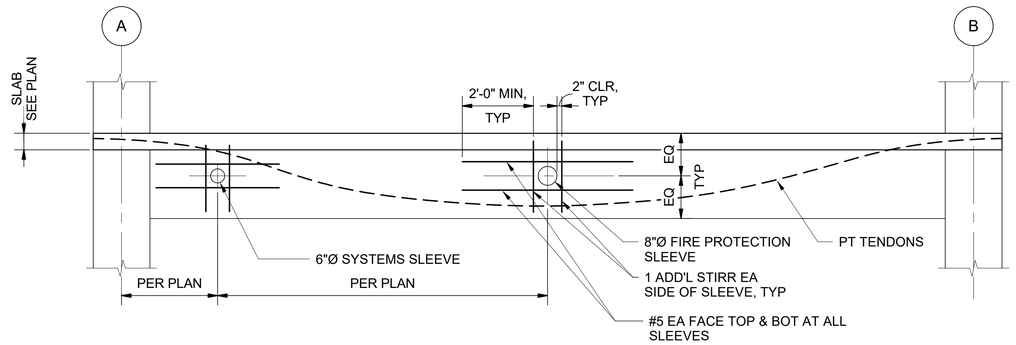


NOTES:

1. ELEV LOOKING EAST.
2. SEE 3/F1592-SGD565 FOR SLEEVES ON GL 10 NOT SHOWN.

GRID 10/B DRAINAGE SLEEVES — 2

SCALE: 1/4" = 1'-0"

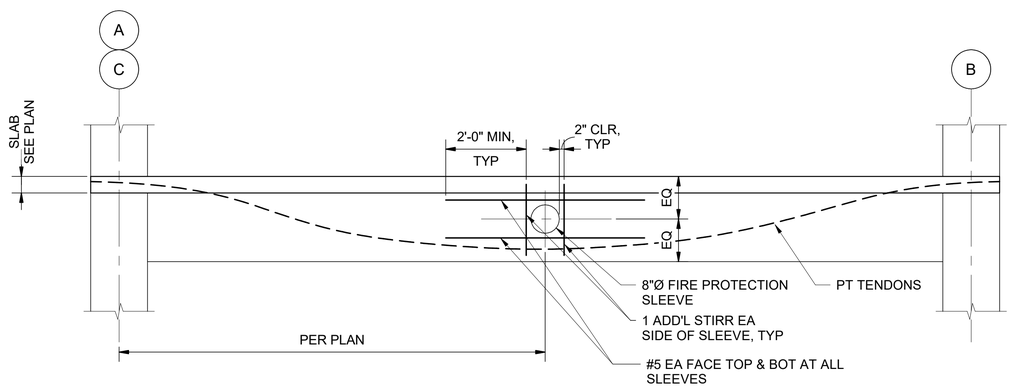


NOTES:

1. SEE 5/F1592-SGD541 FOR TYPICAL BEAM SLEEVE CRITERIA DETAIL.
2. BEAM REINFORCEMENT AND INDIVIDUAL PT TENDONS NOT SHOWN FOR CLARITY.
3. LOCATION OF PT TENDONS AND HORIZONTAL REINFORCING TAKES PRECEDENCE OVER LOCATION OF SLEEVES.
4. PROVIDE 4" CLEAR BETWEEN SLEEVES AND PT TENDONS.
5. SEE PLANS AND PT DETAILS FOR PT TENDON CONFIGURATION.
6. PROVIDE ONLY SLEEVES SHOWN ON THE PLANS. ADDITIONAL SLEEVES MUST BE APPROVED BY THE RESIDENT ENGINEER AND MUST FOLLOW THE CRITERIA OF 5/F1592-SGD541.

BEAM SLEEVES - L02 GRID 2 — 3

SCALE: NTS



NOTES:

1. SEE 5/F1592-SGD541 FOR TYPICAL BEAM SLEEVE CRITERIA DETAIL.
2. BEAM REINFORCEMENT AND INDIVIDUAL PT TENDONS NOT SHOWN FOR CLARITY.
3. LOCATION OF PT TENDONS AND HORIZONTAL REINFORCING TAKES PRECEDENCE OVER LOCATION OF SLEEVES.
4. PROVIDE 4" CLEAR BETWEEN SLEEVES AND PT TENDONS.
5. SEE PLANS AND PT DETAILS FOR PT TENDON CONFIGURATION.
6. PROVIDE ONLY SLEEVES SHOWN ON THE PLANS. ADDITIONAL SLEEVES MUST BE APPROVED BY THE RESIDENT ENGINEER AND MUST FOLLOW THE CRITERIA OF 5/F1592-SGD541.

TYP PT BEAM SLEEVES — 4

SCALE: NTS

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FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	NAS	JDA	SLR	FINAL AS-BUILT

DESIGNED BY: N. SCHWAB
DRAWN BY: M. AGUILING
CHECKED BY: J. ARMENA
APPROVED BY: S. ROBERTS

kpff
SUBMITTED BY: SARA ROBERTS
DATE: 10/26/2022

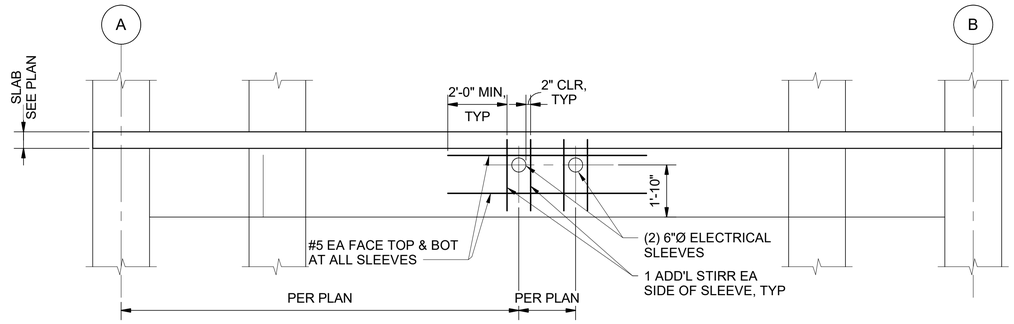
HENSEL PHELPS
Plan. Build. Manage.
kpff
REVIEWED BY: GREG SHIMIZU
DATE: 10/26/2022

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT
SCALE: AS NOTED
FILENAME: S317-F1592-S_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
STRUCTURAL
CONCRETE BEAM DETAILS

DRAWING No.: F1592-SGD564
FACILITY ID: F1592
SHEET No.: 248
REV.: 0

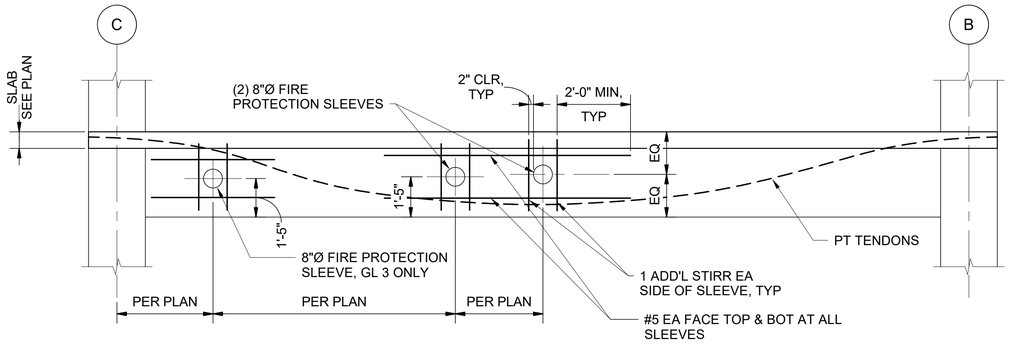


NOTES:

1. SEE 5/F1592-SGD541 FOR TYPICAL BEAM SLEEVE CRITERIA DETAIL.
2. BEAM REINFORCEMENT AND INDIVIDUAL PT TENDONS NOT SHOWN FOR CLARITY.
3. LOCATION OF PT TENDONS AND HORIZONTAL REINFORCING TAKES PRECEDENCE OVER LOCATION OF SLEEVES.
4. PROVIDE 4" CLEAR BETWEEN SLEEVES AND PT TENDONS.
5. SEE PLANS AND PT DETAILS FOR PT TENDON CONFIGURATION.
6. PROVIDE ONLY SLEEVES SHOWN ON THE PLANS. ADDITIONAL SLEEVES MUST BE APPROVED BY THE RESIDENT ENGINEER AND MUST FOLLOW THE CRITERIA OF 5/F1592-SGD541.

BEAM SLEEVES - L02 GRID 9 — 1 / -

SCALE: NTS

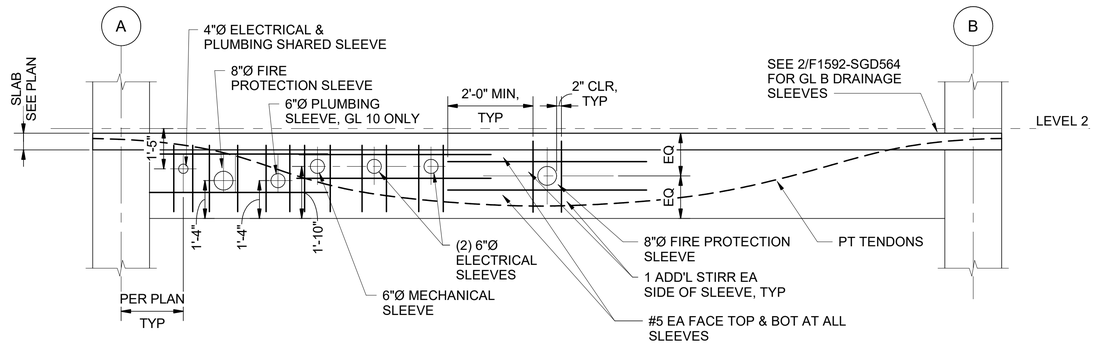


NOTES:

1. SEE 5/F1592-SGD541 FOR TYPICAL BEAM SLEEVE CRITERIA DETAIL.
2. BEAM REINFORCEMENT AND INDIVIDUAL PT TENDONS NOT SHOWN FOR CLARITY.
3. LOCATION OF PT TENDONS AND HORIZONTAL REINFORCING TAKES PRECEDENCE OVER LOCATION OF SLEEVES.
4. PROVIDE 4" CLEAR BETWEEN SLEEVES AND PT TENDONS.
5. SEE PLANS AND PT DETAILS FOR PT TENDON CONFIGURATION.
6. PROVIDE ONLY SLEEVES SHOWN ON THE PLANS. ADDITIONAL SLEEVES MUST BE APPROVED BY THE RESIDENT ENGINEER AND MUST FOLLOW THE CRITERIA OF 5/F1592-SGD541.

BEAM SLEEVES - L02 GRIDS 2 & 3 — 2 / -

SCALE: NTS



NOTES:

1. SEE 5/F1592-SGD541 FOR TYPICAL BEAM SLEEVE CRITERIA DETAIL.
2. BEAM REINFORCEMENT AND INDIVIDUAL PT TENDONS NOT SHOWN FOR CLARITY.
3. LOCATION OF PT TENDONS AND HORIZONTAL REINFORCING TAKES PRECEDENCE OVER LOCATION OF SLEEVES.
4. PROVIDE 4" CLEAR BETWEEN SLEEVES AND PT TENDONS.
5. SEE PLANS AND PT DETAILS FOR PT TENDON CONFIGURATION.
6. PROVIDE ONLY SLEEVES SHOWN ON THE PLANS. ADDITIONAL SLEEVES MUST BE APPROVED BY THE RESIDENT ENGINEER AND MUST FOLLOW THE CRITERIA OF 5/F1592-SGD541.

BEAM SLEEVES - L02 GRIDS 10 & 11 — 3 / -

SCALE: NTS

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FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	NAS	JDA	SLR	FINAL AS-BUILT

DESIGNED BY: N. SCHWAB
DRAWN BY: M. AGUILING
CHECKED BY: J. ARMENA
APPROVED BY: S. ROBERTS

kpff
SUBMITTED BY: SARA ROBERTS
DATE: 10/26/2022

HENSEL PHELPS
Plan. Build. Manage.
kpff
REVIEWED BY: GREG SHIMIZU
DATE: 10/26/2022

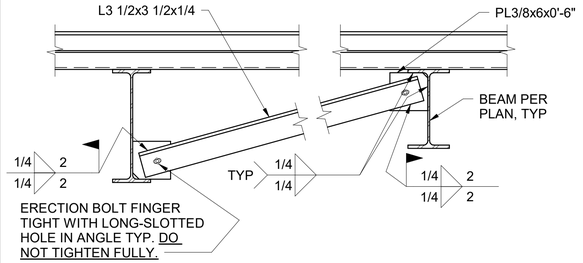
LINE IS 1" AT FULL SCALE

SOUNDTRANSIT

SCALE: NTS
FILENAME: S317-F1592-S_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
STRUCTURAL
CONCRETE BEAM DETAILS

DRAWING No.: F1592-SGD565
FACILITY ID: F1592
SHEET No.: 249
REV.: 0



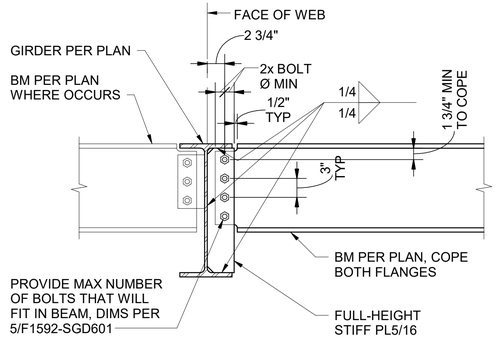
NOTES:

1. LOCATE BRACING AT MIDSPAN OF GIRDERS, UNLESS NOTED OTHERWISE.
2. |→—| DESIGNATION ON PLAN, ARROW POINTS TO BEAM WITH BOTTOM FLANGE BRACE CONNECTION.
3. BRACING TO BE WELDED AFTER CONCRETE ON STEEL DECK HAS BEEN POURED.

DIAGONAL BOTTOM FLANGE BRACING

1 / -

SCALE: 1" = 1'-0"



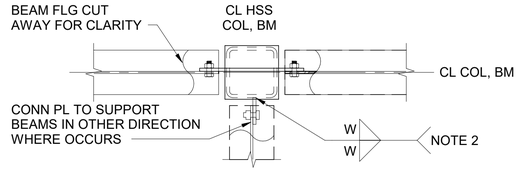
NOTES:

1. INDICATED BY FH ON PLAN.

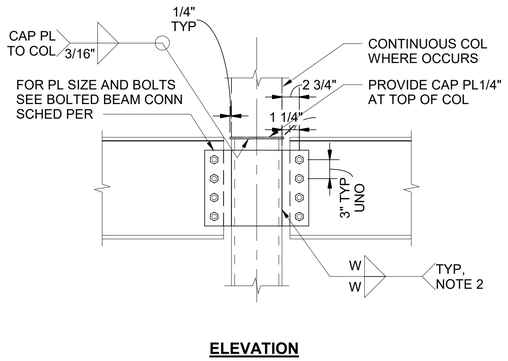
FULL-HEIGHT PLATE CONNECTION

2 / -

SCALE: 1" = 1'-0"



PLAN



ELEVATION

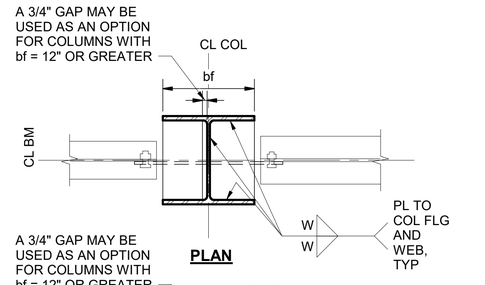
NOTES:

1. WHERE SINGLE BEAM CONNECTION IS REQUIRED ON THROUGH-PLATE, EXTEND PLATE 1/2" PAST EXTERIOR FACE OF COLUMN FOR WELD ACCESS.
2. WELD SIZE "W" PER BOLTED BEAM SCHEDULE. SEE 5/F1592-SGD601 .

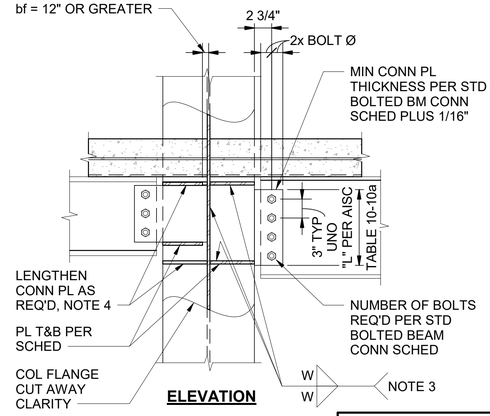
TYP THROUGH-PLATE TO HSS COL

3 / -

SCALE: NTS



PLAN



ELEVATION

NOTES:

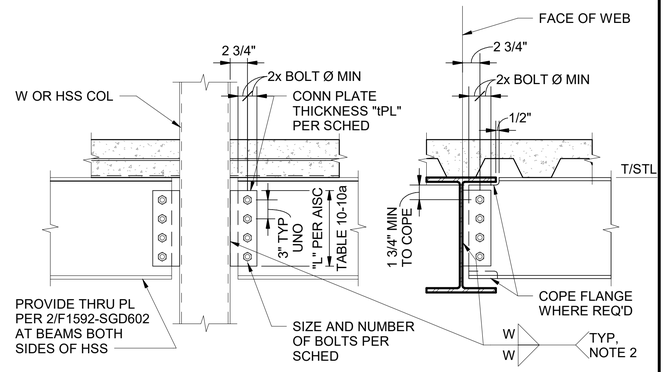
1. DO NOT USE THIS DETAIL FOR COLUMNS WITH bf < 7.5".
2. WELD SIZE "W" PER STANDARD BOLTED BEAM CONNECTION SCHEDULE.
3. FOR COLUMNS WITH bf < 8.5" WELD SIZE = W+3/16" WHERE NOTED.
4. WHERE TYPICAL MOMENT CONNECTION TO COLUMN STRONG AXIS OCCURS IN OPPOSITE DIRECTION. ALIGN TOP AND BOTTOM PLATES PER MOMENT CONNECTION AND LENGTHEN CONNECTION PLATE.

SCHEDULE	
NUMBER OF BOLTS	MIN T&B PL SIZE
2	5/16"
3	5/16"
4	3/8"
5	3/8"

TYP COL WEB EXTENDED SHEAR PLATE CON

4 / -

SCALE: NTS



BEAM TO COLUMN **BEAM TO BEAM**

NOTES:

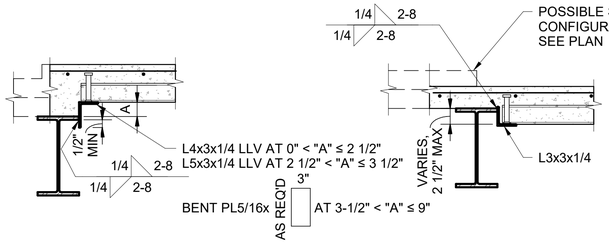
1. SHORT SLOTTED HOLES MAY BE USED AT ALL COLUMN CONNECTIONS AS AN OPTION.
2. FOR BEAM TO COLUMN WEB CONNECTION AT W14 AND SMALLER COLUMNS. USE 4/F1592-SGD601.

STANDARD BOLTED CONNECTION SCHEDULE			
BEAM SIZE	NUMBER AND SIZE OF BOLTS REQUIRED	MIN PLATE THICKNESS "tPL"	WELD SIZE "W"
W6, C6, C7	(2) 3/4"Ø @ 2" GA	1/4"	3/16"
W8, C8, C9	(2) 7/8"Ø	1/4"	3/16"
W10, C10	(2) 7/8"Ø	1/4"	3/16"
W12, C12	(3) 7/8"Ø	1/4"	3/16"
W14, C15	(3) 7/8"Ø	1/4"	3/16"
W16	(4) 7/8"Ø	1/4"	3/16"
W18	(4) 7/8"Ø	5/16"	1/4"

TYP STANDARD BOLTED BEAM SCHEDULE

5 / -

SCALE: NTS



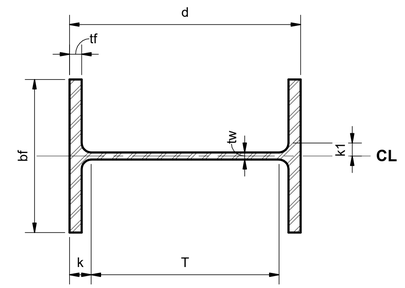
NOTES:

1. DECK WELDING TO BE PER STRUCTURAL NOTES, UNLESS NOTED OTHERWISE.
2. DECK MAY SPAN IN DIRECTIONS OTHER THAN SHOWN.
3. HEADED STUDS (WHS) TO BE 3/4"Øx4" LONG AFTER WELDING @ 12" ON CENTER, UNLESS NOTED OTHERWISE. ALIGN WITH DEEP DECK FLUTES.

TYP DECK SUPPORT

6 / F1592-SGD616

SCALE: NTS



TYP ABBREVIATIONS

7 / -

SCALE: NTS

CONNECTION NOTES:

1. ALL BOLTED CONNECTIONS TO BE TYPE N WITH FULLY PRETENSIONED ASTM A325-N BOLTS PER AISC STANDARDS EXCEPT WHERE "SNUG TIGHT", "FINGER TIGHT" OR "SLIP CRITICAL" CONNECTIONS ARE INDICATED.
2. BOLTS IN BEAM TO BEAM CONNECTIONS MAY BE TIGHTENED TO AISC "SNUG TIGHT" CONDITION UPON APPROVAL OF ENGINEER AND OWNER.
3. CONNECTIONS TO HAVE AISC STANDARD ROUND HOLES EXCEPT AS NOTED OTHERWISE.
4. BEAM CONNECTIONS TO BE PER THE STANDARD BOLTED BEAM CONNECTION DETAIL UNLESS NOTED OTHERWISE.
5. 5 SHOWN ON PLANS INDICATES NUMBER OF BOLTS REQUIRED IF DIFFERENT FROM NUMBER OF BOLTS REQUIRED USING 5/F1592-SGD601.
6. SC SHOWN ON PLANS INDICATES A "SLIP CRITICAL" CONNECTION REQUIRED. BOLTS MUST BE FULLY PRETENSIONED PER AISC STANDARDS. SEE THE APPROPRIATE CONNECTION DETAIL FOR OTHER INFORMATION.
7. FH SHOWN ON PLANS INDICATES FULL HEIGHT STIFFENER PLATE REQUIRED. SEE 2/F1592-SGD601.
8. ALTERNATE CONNECTION DETAILS MAY BE SUBMITTED TO THE ENGINEER FOR REVIEW AND SHALL BE ACCOMPANIED BY CALCULATIONS BEARING THE SEAL AND SIGNATURE OF THE WASHINGTON STATE STRUCTURAL ENGINEER WHO IS RESPONSIBLE FOR THE DESIGN. ALTERNATE CONNECTIONS SHALL HAVE EQUAL OR GREATER CAPACITY THAN THE CONNECTIONS SHOWN ON THE DRAWINGS.
9. FOR MEMBERS DESIGNATED AS PART OF THE SFRS, WELD TABS SHALL BE REMOVED UPON COMPLETION AND COOLING OF THE WELD, AND THE ENDS OF THE WELD SHALL BE MADE SMOOTH AND FLUSH WITH THE EDGES OF ABUTTING PARTS.

TYP CONNECTION NOTES

8 / -

SCALE: NTS

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	NAS	JDA	SLR	FINAL AS-BUILT

DESIGNED BY: N. SCHWAB
DRAWN BY: M. AGUILING
CHECKED BY: J. ARMENA
APPROVED BY: S. ROBERTS

kpff

HENSEL PHELPS Plan. Build. Manage.

kpff

LINE IS 1" AT FULL SCALE

SUBMITTED BY: SARA ROBERTS
DATE: 10/26/2022
REVIEWED BY: GREG SHIMIZU
DATE: 10/26/2022

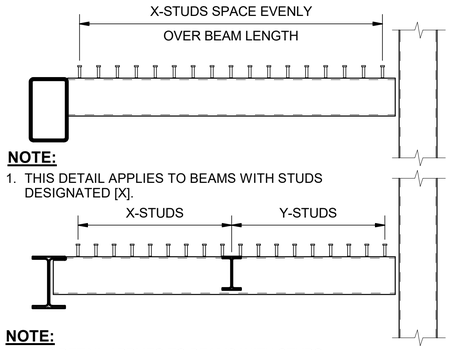
SOUNDTRANSIT

SCALE: AS NOTED
FILENAME: S317-F1592-S_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
STRUCTURAL
STEEL DETAILS

DRAWING No.: F1592-SGD601
FACILITY ID: F1592
SHEET No.: 250
REV.: 0

6/21/2022 4:49:38 PM
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NOTE:

1. THIS DETAIL APPLIES TO BEAMS WITH STUDS DESIGNATED [X].

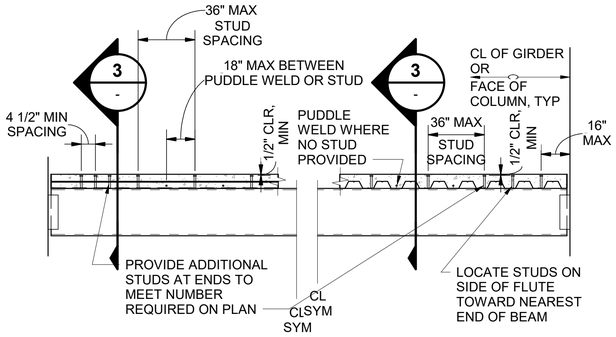
NOTE:

1. THIS DETAIL APPLIES TO BEAMS WITH STUDS DESIGNATED [X,Y].

TYP STUD SPACING

1 / -

SCALE: NTS



DECK PARALLEL TO BEAM | **DECK PERPENDICULAR OR SKEWED TO BEAM**

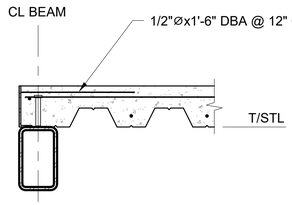
NOTES:

1. HEADED SHEAR STUDS TO BE 3/4"Ø x 4 1/2" LONG AFTER WELDING.
2. THE MINIMUM NUMBER OF STUDS REQUIRED IS SHOWN AS [X] ON FRAMING PLANS. NO STUDS ARE REQUIRED WHERE [0] APPEARS OR WHERE NO DESIGNATION IS GIVEN. NOTE THAT ADDITIONAL STUDS MAY BE REQUIRED TO MEET THE ABOVE MAXIMUM SPACING REQUIREMENTS.
3. WHERE NECESSARY, MULTIPLE LINES OF STUDS ARE PERMITTED ALONG THE BEAM LENGTH. IF TWO STUDS ARE REQUIRED IN ONE FLUTE, THE TRANSVERSE SPACING SHALL BE 3" MINIMUM.

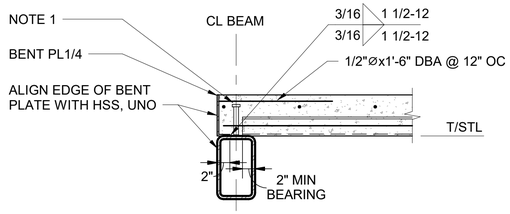
TYP COMPOSITE BEAM DETAIL

2 / -

SCALE: NTS



DECK PARALLEL TO BEAM



DECK PERPENDICULAR TO BEAM

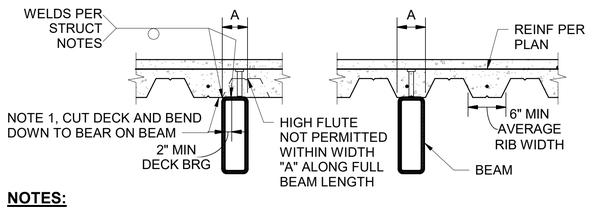
NOTES:

1. PER CONTRACTORS OPTION, WHS MAY BE OFFSET A MAXIMUM OF 1" FROM CL BEAM TO AID IN INSTALLATION OF DECK AND WELDING OF WHS.

TYP SLAB EDGE

6 / F1592-SGD618

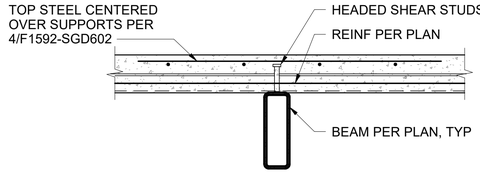
SCALE: NTS



NOTES:

1. DECK RIB VALLEY TO BE CENTERED OVER BEAM WHERE POSSIBLE OTHERWISE DECK MUST BE SPLIT FULL LENGTH OF BEAM TO PROVIDE CONCRETE HAUNCH WITH MINIMUM WIDTH "A":
   A = 4 1/2" FOR 3" DECK
   FILLER PLATES ARE PERMITTED TO OBTAIN NECESSARY HAUNCH AND DECK BEARING.

COMPOSITE BEAM OR GIRDER PARALLEL TO COMPOSITE SLAB

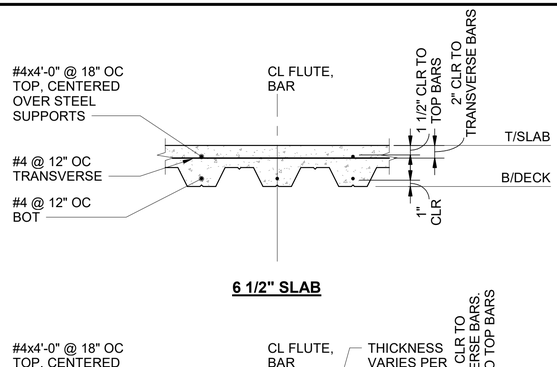


COMPOSITE BEAM PERPENDICULAR TO COMPOSITE SLAB

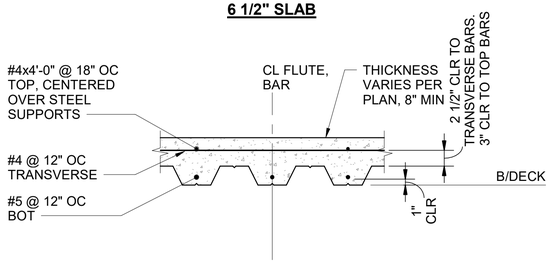
TYP COMPOSITE BEAM TO COMPOSITE SLAB

3 / F1592-SGD602

SCALE: NTS



6 1/2" SLAB

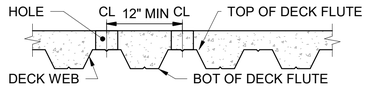


PEDESTRIAN BRIDGE SLAB

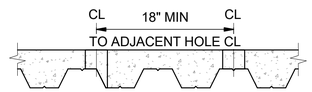
TYPICAL COMPOSITE SLAB REINFORCEMENT

4 / -

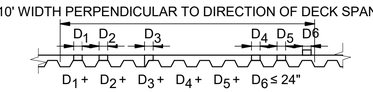
SCALE: NTS



PENETRATION THROUGH TOP OF DECK FLUTE



PENETRATION THROUGH DECK WEB AND/OR BOTTOM OF DECK FLUTE



24" MAXIMUM TOTAL WIDTH OF PENETRATIONS IN 10' WIDTH

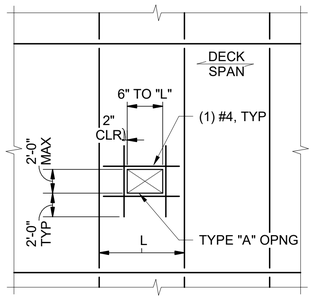
NOTES:

1. THIS DETAIL APPLIES TO ROUND HOLES ≤ 6"Ø CUT IN CONCRETE ON STEEL DECK WITHOUT ADDITIONAL SLAB REINFORCEMENT.
2. NO PENETRATION SHALL CUT THROUGH MORE THAN ONE DECK WEB.
3. HORIZONTAL SPACING AND MAXIMUM WIDTH LIMITATIONS INDICATED ARE APPLICABLE BETWEEN ADJACENT SUPPORTING BEAMS, WHETHER THE PENETRATIONS ALIGN OR ARE OFFSET IN THE DIRECTION OF THE DECK SPAN.
4. WHERE PENETRATIONS ARE CUT AFTER CONCRETE IS PLACED, NO REINFORCING SHALL BE CUT.
5. STEEL DECK UNDER UNSUPPORTED HOLES AND/OR BLOCK-OUTS SHALL REMAIN IN PLACE UNTIL AFTER CONCRETE HAS REACHED DESIGN STRENGTH.

TYP SLAB ON DECK PENETRATIONS

5 / -

SCALE: NTS



NOTES:

1. OPENINGS SMALLER THAN 6" DO NOT NEED REINFORCING.
2. OPENINGS BETWEEN 6" AND 2'-0", WITHOUT EDGE FRAMING, SHALL HAVE REINFORCING PER OPENING TYPE "A".
3. BARS PARALLEL TO DECK FLUTES TO BE IN NEAREST LOWER FLUTE, 1 1/2" CLEAR FROM BOTTOM. BARS PERPENDICULAR TO FLUTES TO BE 1" CLEAR ABOVE DECKING.
4. CONTRACTOR TO COORDINATE OPENING SIZE AND LOCATION WITH ARCHITECTURAL DRAWINGS AND MECHANICAL AND ELECTRICAL CONTRACTORS.

TYPICAL SLAB OPENINGS (CONCRETE FILL OVER STEEL DECK)

7 / -

SCALE: NTS

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	NAS	JDA	SLR	FINAL AS-BUILT

DESIGNED BY: N. SCHWAB
DRAWN BY: M. AGUILING
CHECKED BY: J. ARMENA
APPROVED BY: S. ROBERTS

kpff

HENSEL PHELPS Plan. Build. Manage.
kpff

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT

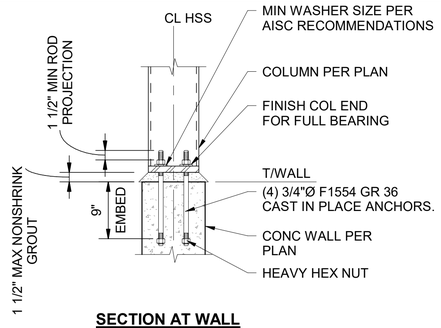
SUBMITTED BY: SARA ROBERTS
DATE: 10/26/2022
REVIEWED BY: GREG SHIMIZU
DATE: 10/26/2022

SCALE: AS NOTED
FILENAME: S317-F1592-S_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

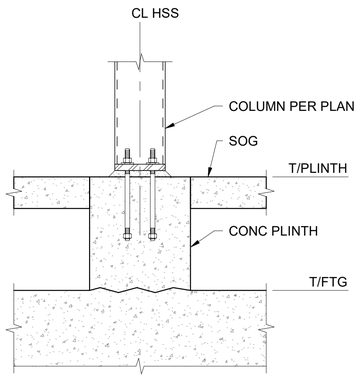
PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
STRUCTURAL
STEEL DETAILS

DRAWING No.: F1592-SGD602
FACILITY ID: F1592
SHEET No.: 251
REV.: 0

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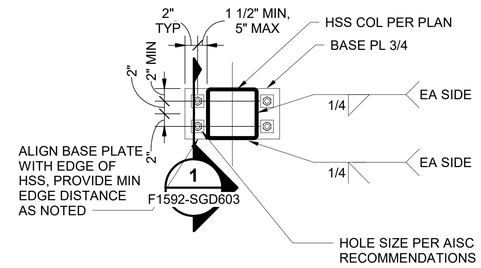
SECTION AT WALL



SECTION AT PLINTH

BASE PLATE SECTION AT HSS COL — 1

SCALE: 1" = 1'-0"

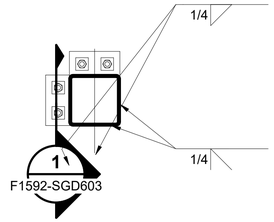


NOTES

1. CONTRACTOR OPTION: USE (4) 3/4"Ø HILTI KH-EZ SCREW ANCHORS WITH 4" MIN EFFECTIVE EMBED PROVIDED THE NEW POST-INSTALLED ANCHORS DO NOT DAMAGE/DISTURB ANY OF THE PLINTH REINFORCEMENT AND THE MININUM COVERS REQUIRED FOR THE SCREW ANCHOR ARE MAINTAINED. ESR-3027.

BASE PLATE TYPE "BP-1" — 2

SCALE: 1" = 1'-0"

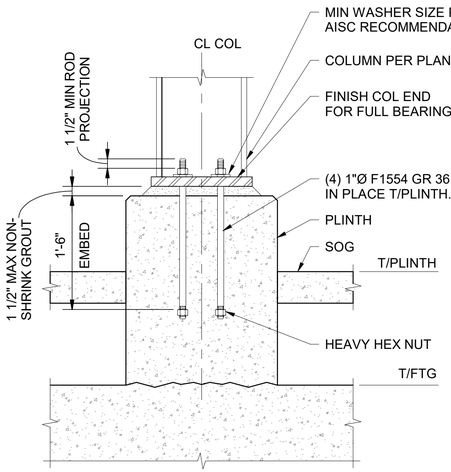


NOTES

1. SEE 2/F1592-SGD603 FOR INFORMATION NOT NOTED.

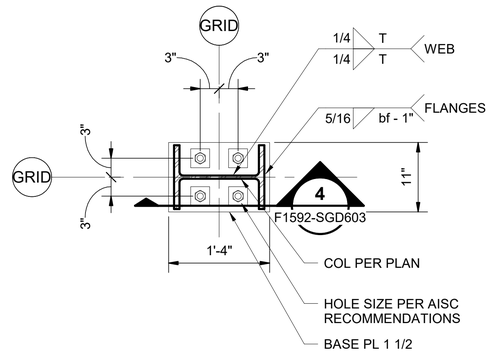
BASE PLATE TYPE "BP-2" — 3

SCALE: 1" = 1'-0"



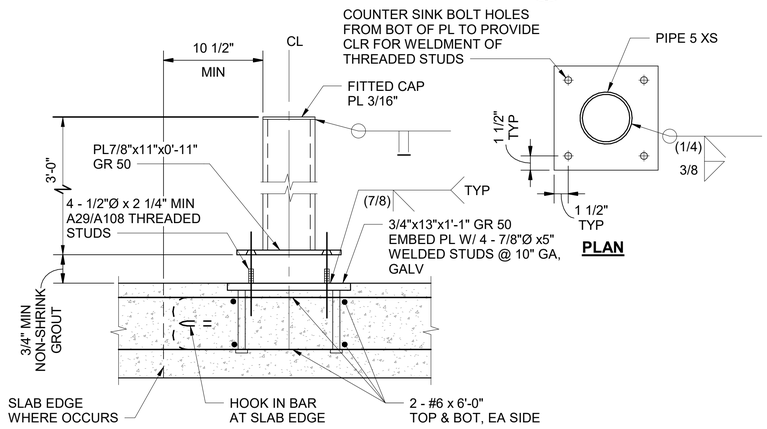
BASE PLATE SECTION AT W COL — 4

SCALE: 1" = 1'-0"



BASE PLATE TYPE "BP-3" — 5

SCALE: 1" = 1'-0"

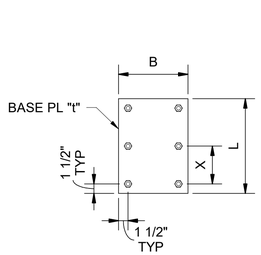


NOTES:

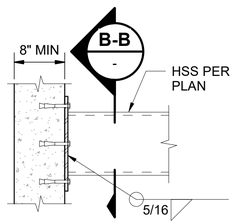
1. CENTER THREADED STUDS ON BOLLARD PLATE BOLT HOLES.

TYPICAL BOLLARD DETAIL AT PT SLAB — 6

SCALE: NTS



SECTION B-B



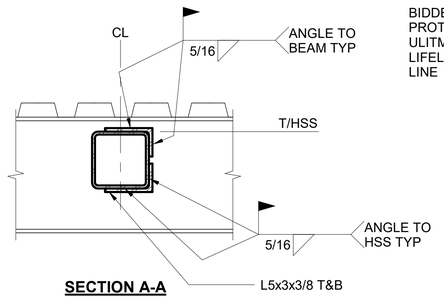
SCHEDULE			
HSS SIZE	BASE PL DIM (t x L x B)	ANCHORS	ANCHOR SPACING "X"
HSS10x6	1/2" x 15" x 11"	(6) - 5/8"Ø x 4" EMBED	6"
HSS4x4	1/2" x 8" x 8"	(4) - 3/8"Ø x 3" EMBED	5"

NOTES:

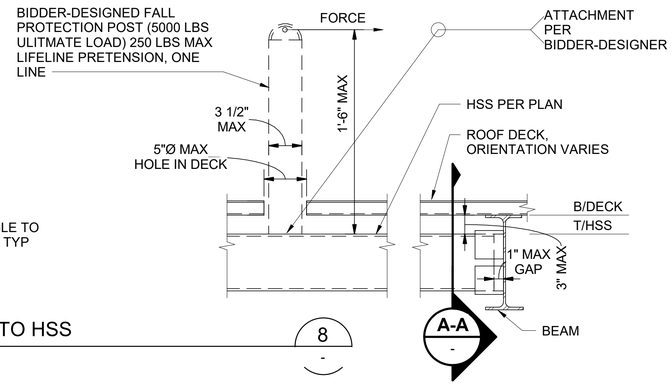
1. ANCHORS FOR THIS BASE DETAIL SHALL BE HILTI KBTZ EXPANSION ANCHORS.
2. WALL REINFORCEMENT NOT SHOWN FOR CLARITY. DO NOT DISTURB/DAMAGE WALL REINFORCEMENT DURING INSTALLATION OF ANCHORS.
3. CONTRACTOR OPTION TO USE 1" MAX NS GROUT FOR ALIGNMENT.

HSS BEAM TO CONCRETE WALL — 7

SCALE: 1" = 1'-0"



SECTION A-A



FALL PROTECTION TO HSS — 8

SCALE: 1 1/2" = 1'-0"

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	NAS	JDA	SLR	FINAL AS-BUILT

DESIGNED BY: N. SCHWAB
DRAWN BY: M. AGUILING
CHECKED BY: J. ARMENA
APPROVED BY: S. ROBERTS

kpff — SUBMITTED BY: SARA ROBERTS — DATE: 10/26/2022

HENSEL PHELPS Plan. Build. Manage. kpff — REVIEWED BY: GREG SHIMIZU — DATE: 10/26/2022

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT — SUBMITTAL DATE: 10/26/2022

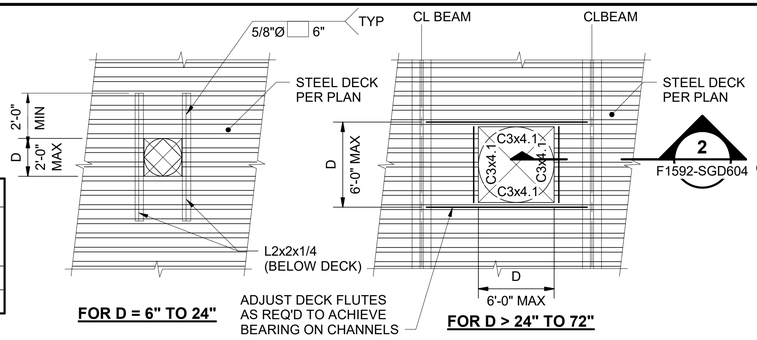
SCALE: AS NOTED
FILENAME: S317-F1592-S_v2020
CONTRACT No.: RTA/CN 0612-18

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
STRUCTURAL
STEEL DETAILS

DRAWING No.: F1592-SGD603
FACILITY ID: F1592
SHEET No.: 252 REV: 0

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PENETRATION REINFORCEMENT SCHEDULE							
TYPE MARK	STIFFENER PLATE			DOUBLER PLATE			TYPE COMMENTS
	tsxBs	Ls	Ws	tdxBd	Ld	Wd	
1	-	-	-	1/2"x15"	12"	5/16	-
2	-	-	-	-	-	-	NO REINF



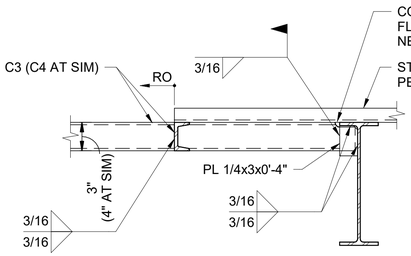
NOTES:

1. HOLES LESS THAN 6"Ø AND CUTTING NO MORE THAN 1 WEB REQUIRE NO REINFORCEMENT.
2. ALL METAL DECK OPENINGS SHOWN ABOVE APPLY ONLY TO DUCTWORK, PIPING, ROOF HATCHES AND SMALL AIR SHAFTS.
3. THESE REINFORCED OPENINGS ARE NOT INTENDED TO SUPPORT MECHANICAL EQUIPMENT.
4. CONTRACTOR OPTION: SUBSTITUTE THE PUDDLE WELDS FOR THE 1070000 12-24x1-1/2" HWH #5 BUILDEX TEKS SELF-DRILLING FASTENERS (ESR 1976) PROVIDED THE SUPPORTING ANGLE ATTACHES TO (4) LOW FLUTES MINIMUM ON EACH SIDE OF OPENING. THIS REQUIREMENT SUPERSEDES THE "2'-0"MIN" NOTES ON 1/F1592-SGD604.
5. STEEL ANGLE CAN TERMINATE SHORT WHERE THERE IS A WF BEAM RUNNING PARALLEL TO THE DECK PROVIDED THE STEEL ANGLE IS ATTACHED TO THE WF BEAM PER 2/F1592-SGD604. IF WELDED CONNECTION PER 2/F1592-SGD604 CANNOT BE USED, IT IS ACCEPTABLE TO SUBSTITUTE THE PL1/4x3x0'-4" WITH Lx3x1/4x0'-4" WITH (2) 0.157"Ø HILTI X-U SPOT PINS EACH LEG (ESR 2269). ONE LEG ATTACHES TO THE STEEL ANGLE SUPPORT AT THE DECK AND ONE LEG ATTACHES TO THE WF BEAM WEB.

TYPICAL STEEL ROOF DECK OPENING

SCALE: NTS

1 / -

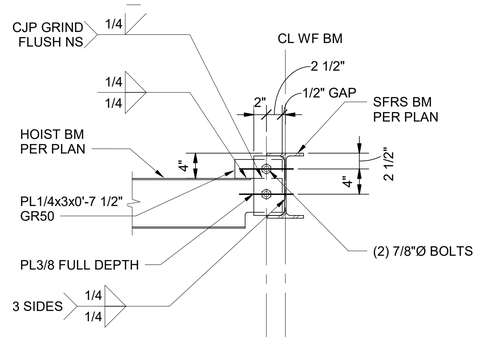


STEEL BEAM

TYPICAL STEEL DECK OPENING SECTION

SCALE: NTS

2 / F1592-SGD604



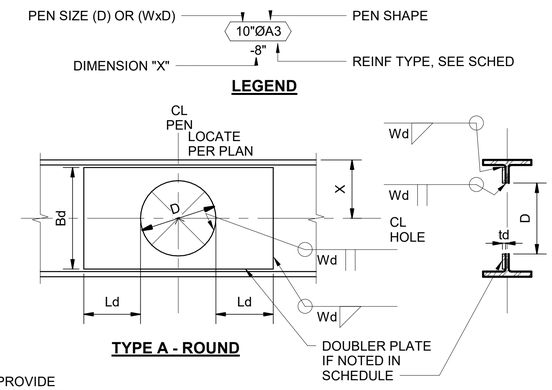
NOTES:

1. FOR INFORMATION NOT NOTED, SEE 5/F1592-SGD601 .

HOIST BEAM DETAIL

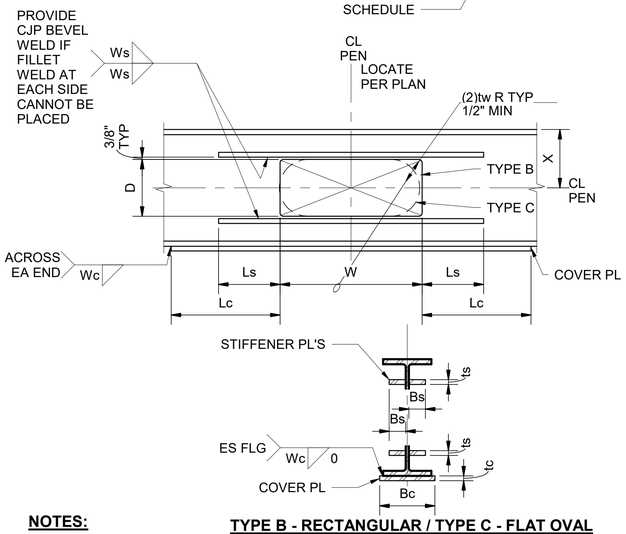
SCALE: 1" = 1'-0"

3 / -



LEGEND

TYPE A - ROUND



NOTES:

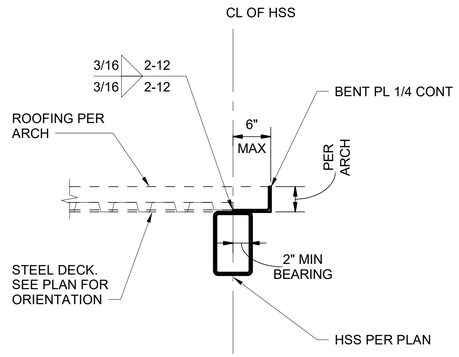
1. DIMENSION "X"=1/2 BEAM DEPTH UNLESS NOTED OTHERWISE.
2. STIFFENER AND DOUBLER PLATES TO MATCH BEAM STEEL GRADE.
3. SEE 6/F1592-SGD604 FOR PENETRATIONS NOT DESIGNATED ON PLAN.

TYPE B - RECTANGULAR / TYPE C - FLAT OVAL

TYP BEAM PENETRATION SCHEDULE

SCALE: NTS

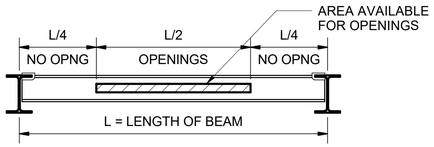
4 / -



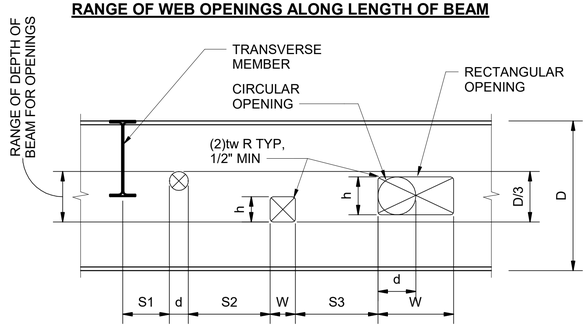
TYPICAL EDGE OF ROOF DECK

SCALE: NTS

5 / -



RANGE OF WEB OPENINGS ALONG LENGTH OF BEAM



d = DIAMETER CIRCULAR OPENING ≤ D/3

h = HEIGHT RECTANGULAR OPENING ≤ D/4

W = WIDTH RECTANGULAR OPENING ≤ D/4

S1 = MIN DISTANCE TO CL TRANSVERSE MEMBER = D OR 12", WHICHEVER IS LARGER

S2 OR S3 = MIN DISTANCE BETWEEN OPENINGS BASED ON LARGER OPENING = (2)D FOR COMPOSITE BEAMS AND THE LARGER OF (3)d, (3)h, OR (3)W FOR NONCOMPOSITE BEAMS

OPENING SIZE AND SPACING

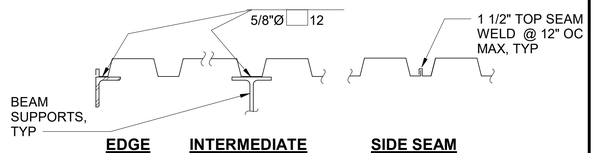
NOTES:

1. OPENINGS NOT PERMITTED IN PEDESTRIAN BRIDGE W18 CHORDS WITH THE EXCEPTION OF LOCATIONS SPECIFICALLY NOTED IN THE STRUCTURAL DRAWINGS. THIS DETAIL MAY BE USED FOR SHOP OR FIELD CUT OPENINGS IN LOCATIONS OTHER THAN BRIDGE W18 CHORDS WITHOUT CONSULTING THE STRUCTURAL ENGINEER. ANY OPENING OUTSIDE OF THESE CONSTRAINTS MUST BE APPROVED BY THE STRUCTURAL ENGINEER.
2. ALL OPENINGS MUST MEET THERMAL CUTTING REQUIREMENTS IN CHAPTER M OF AISC 360.

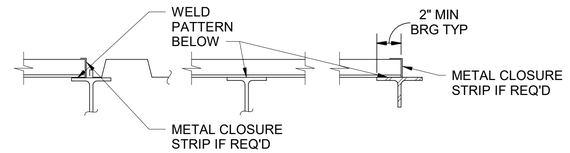
TYP BEAM PENETRATIONS

SCALE: NTS

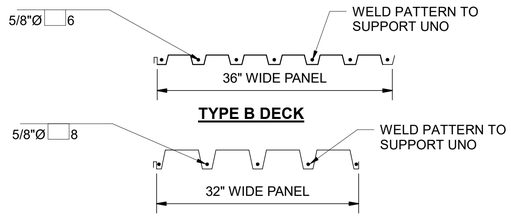
6 / -



EDGE **INTERMEDIATE PARALLEL SUPPORTS** **SIDE SEAM**



JOINT **INTERMEDIATE PERPENDICULAR SUPPORTS** **EDGE**



TYPICAL STEEL DECK WELDING

SCALE: NTS

7 / -

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	NAS	JDA	SLR	FINAL AS-BUILT

DESIGNED BY: N. SCHWAB
DRAWN BY: M. AGUILING
CHECKED BY: J. ARMENA
APPROVED BY: S. ROBERTS

kpff

HENSEL PHELPS Plan. Build. Manage.

kpff

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT

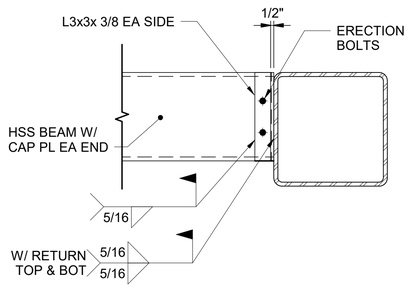
SCALE: AS NOTED
FILENAME: S317-F1592-S_v2020
CONTRACT No.: RTA/CN 0612-18

SUBMITTED BY: SARA ROBERTS
DATE: 10/26/2022
REVIEWED BY: GREG SHIMIZU
DATE: 10/26/2022
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
STRUCTURAL
STEEL DETAILS

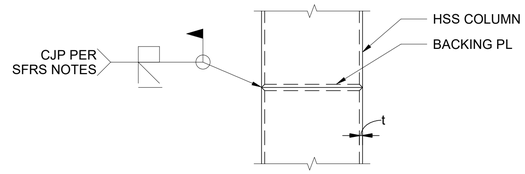
DRAWING No.: F1592-SGD604
FACILITY ID: F1592
SHEET No.: 253
REV.: 0

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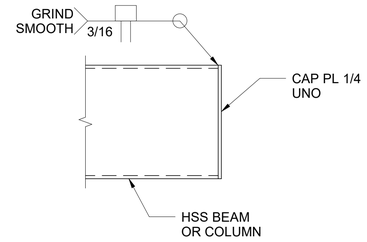
TYP HSS BEAM TO HSS BEAM SIMPLE CONN 1

SCALE: NTS



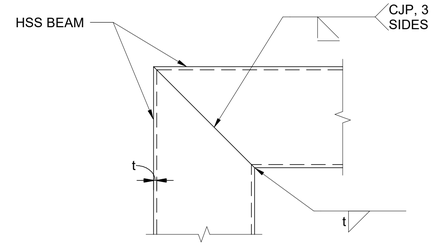
TYP MOMENT HSS COLUMN SPLICE 2

SCALE: NTS



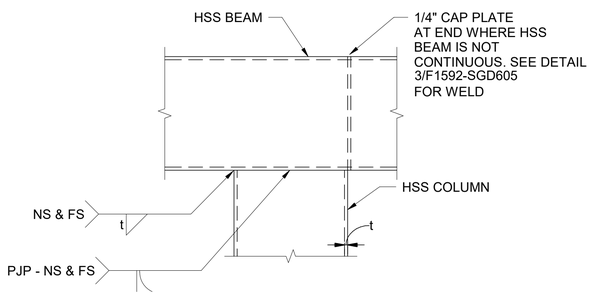
TYP HSS BEAM END OR COLUMN END 3

SCALE: NTS



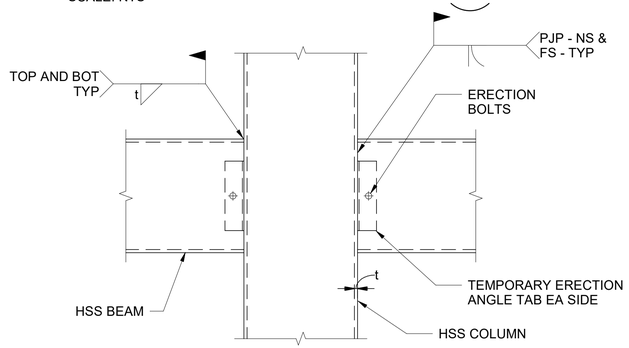
TYP HSS MITERED CORNER MOMENT CONN 4

SCALE: NTS



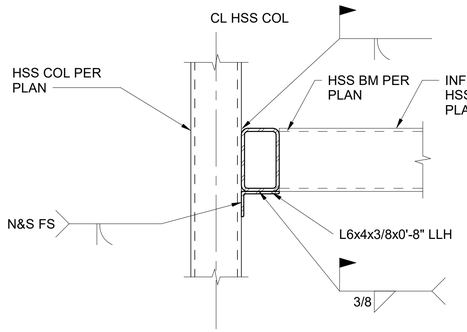
TYP HSS BEAM TO COL MOMENT CONN 5

SCALE: NTS



TYP HSS BEAM TO COLUMN MOMENT CONN 6

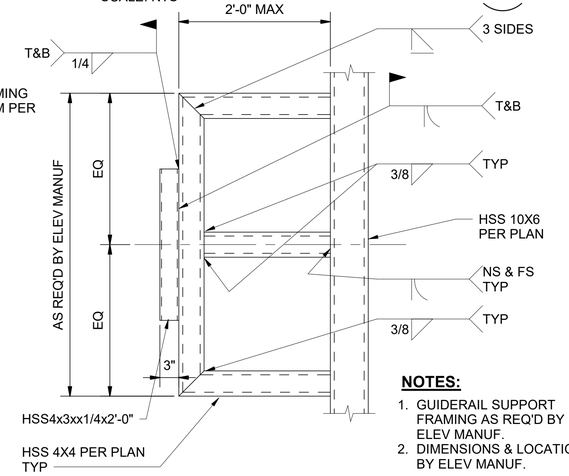
SCALE: NTS



TYP OFFSET HSS BM TO COL 7

SCALE: NTS

F1592-SGP711

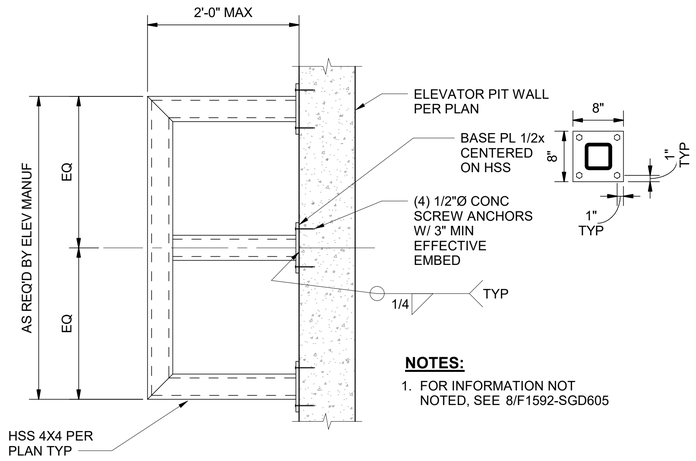


NOTES:

1. GUIDERAIL SUPPORT FRAMING AS REQ'D BY ELEV MANUF.
2. DIMENSIONS & LOCATIONS BY ELEV MANUF.

TYP ELEVATOR GUIDE RAIL SUPPORT FRAMING 8

SCALE: NTS



NOTES:

1. FOR INFORMATION NOT NOTED, SEE 8/F1592-SGD605

TYP ELEVATOR GUIDE RAIL SUPPORT FRAMING 9

SCALE: NTS

6/21/2022 4:49:48 PM
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FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	NAS	JDA	SLR	FINAL AS-BUILT

DESIGNED BY: N. SCHWAB
DRAWN BY: M. AGUILING
CHECKED BY: J. ARMENA
APPROVED BY: S. ROBERTS

kpff
SUBMITTED BY: SARA ROBERTS
DATE: 10/26/2022

HENSEL PHELPS Plan. Build. Manage.
kpff
REVIEWED BY: GREG SHIMIZU
DATE: 10/26/2022

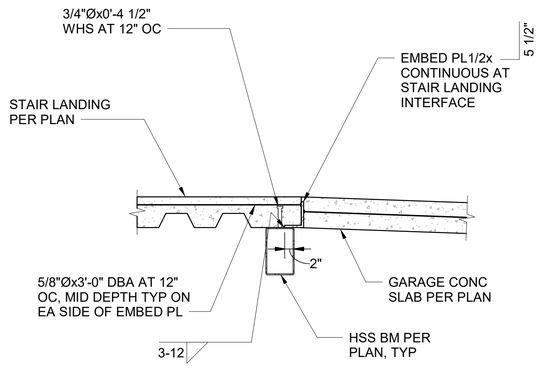
LINE IS 1" AT FULL SCALE

SOUNDTRANSIT
SUBMITTAL DATE: 10/26/2022

SCALE: AS NOTED
FILENAME: S317-F1592-S_v2020
CONTRACT No.: RTA/CN 0612-18

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
STRUCTURAL
STEEL DETAILS

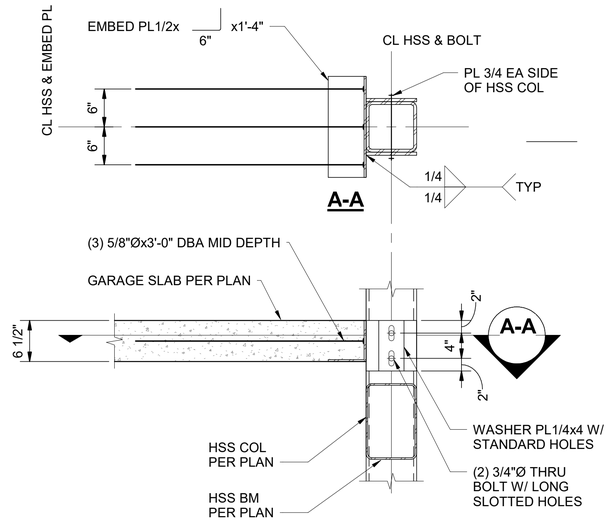
DRAWING No.: F1592-SGD605
FACILITY ID: F1592
SHEET No.: 254
REV.: 0



STAIR LANDING TO GARAGE SLAB

1
F1592-SGP711

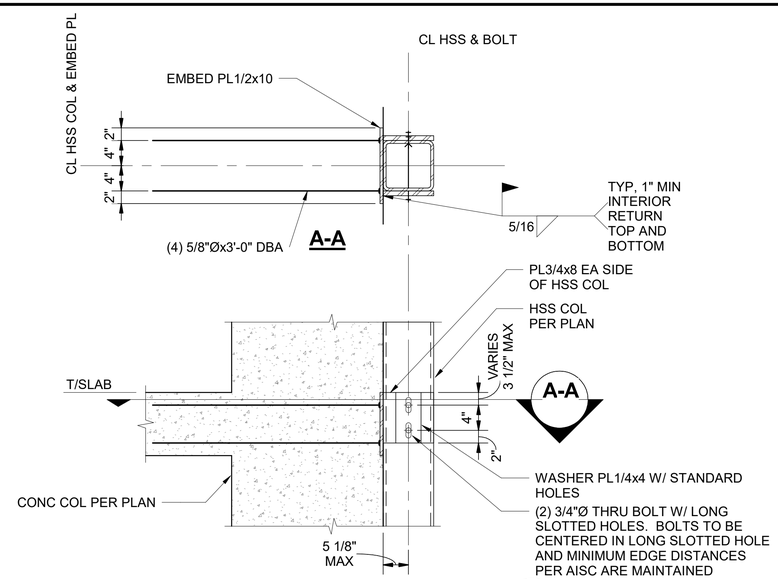
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STAIR HSS COL TO GARAGE SLAB

2
-

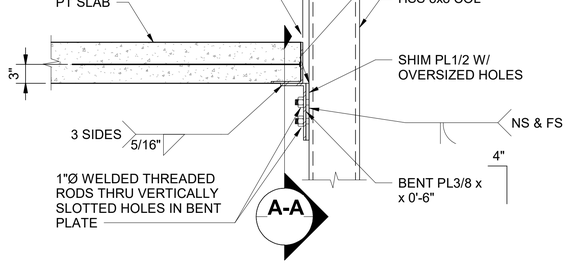
SCALE: 1" = 1'-0"

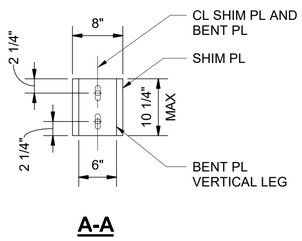


STAIR HSS COL TO GARAGE SLAB

3
F1592-SGP701

SCALE: 1" = 1'-0"





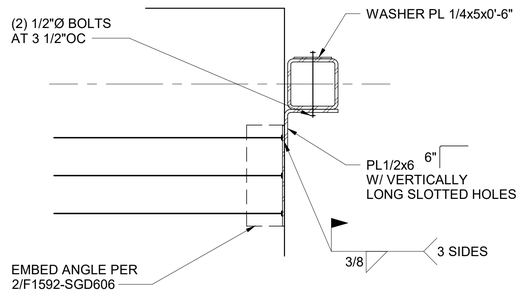
NOTES:

1. AT SIM, EMBED BENT PL AT BOTTOM OF CONCRETE BEAM.
2. ATTACH PL3/8 PER ARCH W/ 3/8" Ø BLIND BOLTS @ 24" OC
3. WELDED THREADED ROD SHOULD BE CENTERED ON HSS FACE AND SHOULD BE CENTERED ON THE LONG SLOTTED HOLES IN THE BENT PLATE. MINIMUM BOLT SPACING AND MINIMUM BOLT EDGE DISTANCE PER AISC SHALL BE MAINTAINED.
4. SHIM PLATES CAN BE MODIFIED TO FIT COMPLETELY BEHIND THE BENT PLATE TO PROVIDE FULL BEARING PROVIDED THE WELDED THREADED ROD IS CENTERD IN THE LONG SLOTTED HOLE.
5. BENTPLATES SHALL NOT BE WELDED TO THE SHIM PLATES OR HSS FACE.

HSS CONN TO GARAGE

4
F1592-SGP701

SCALE: 1" = 1'-0"



STAIR HSS COL TO GARAGE SLAB

5
F1592-SGP701

SCALE: 1" = 1'-0"

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FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	NAS	JDA	SLR	FINAL AS-BUILT

DESIGNED BY:	N. SCHWAB
DRAWN BY:	M. AGUILING
CHECKED BY:	J. ARMENA
APPROVED BY:	S. ROBERTS

kpff

HENSEL PHELPS
Plan. Build. Manage.
kpff

LINE IS 1" AT FULL SCALE

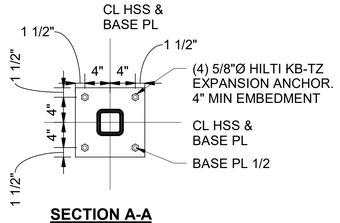
SOUNDTRANSIT

SUBMITTED BY:	DATE:	REVIEWED BY:	DATE:
SARA ROBERTS	10/26/2022	GREG SHIMIZU	10/26/2022

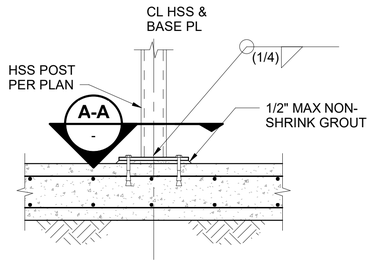
SCALE:	AS NOTED
FILENAME:	S317-F1592-S_v2020
CONTRACT No.:	RTA/CN 0612-18
SUBMITTAL DATE:	10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
STRUCTURAL
STEEL DETAILS

DRAWING No.:	F1592-SGD606
FACILITY ID:	F1592
SHEET No:	255
REV:	0



SECTION A-A

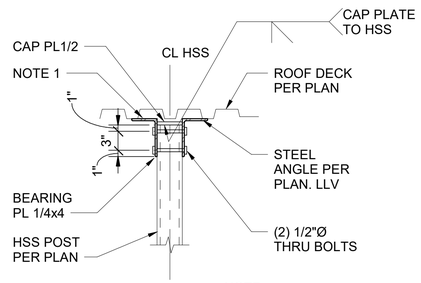


TRASH ENCLOSURE BASE PLATE

1

F1592-SGP721

SCALE: 1" = 1'-0"



NOTE:

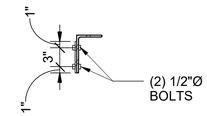
1. SEE PLAN FOR WHEN A DOUBLE STEEL ANGLE OCCURS. AT DOUBLE STEEL ANGLE, BEARING PLATE NOT REQUIRED AND THRU-BOLT GOES THRU HSS AND BOTH ANGLES

TRASH ENCLOSURE HSS-TO-ANGLE

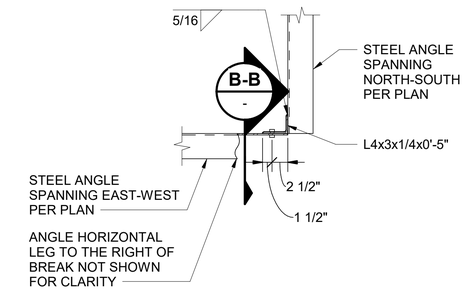
2

F1592-SGP721

SCALE: 1" = 1'-0"



SECTION B-B

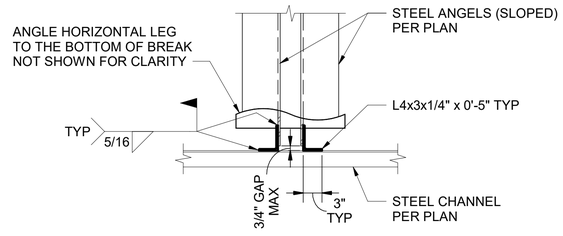


TRASH ENCLOSURE ANGLE-TO-ANGLE

3

F1592-SGP721

SCALE: 1" = 1'-0"

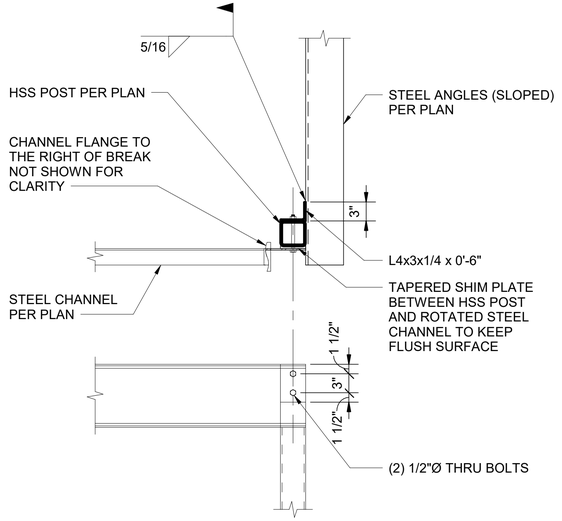


TRASH ENCLOSURE STEEL ANGLE - TO - CHANNEL

4

F1592-SGP721

SCALE: 1" = 1'-0"

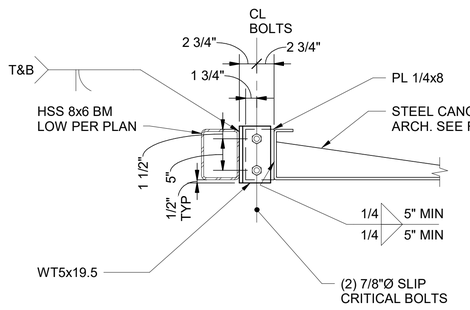


TRASH ENCLOSURE HSS - TO - CHANNEL

5

F1592-SGP721

SCALE: 1" = 1'-0"

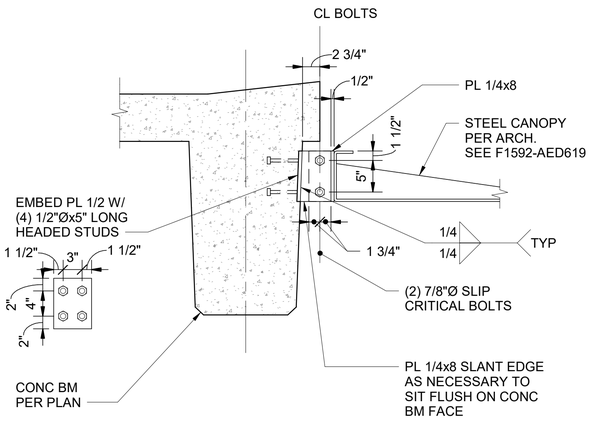


STEEL CANOPY AT LEVEL 5

6

-

SCALE: 1" = 1'-0"



STEEL CANOPY AT EAST ENTRANCE

7

-

SCALE: 1" = 1'-0"

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FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	NAS	JDA	SLR	FINAL AS-BUILT

DESIGNED BY: N. SCHWAB
DRAWN BY: M. AGUILING
CHECKED BY: J. ARMENA
APPROVED BY: S. ROBERTS

kpff — SUBMITTED BY: SARA ROBERTS

HENSEL PHELPS Plan. Build. Manage. kpff — DATE: 10/26/2022

REVIEWED BY: GREG SHIMIZU

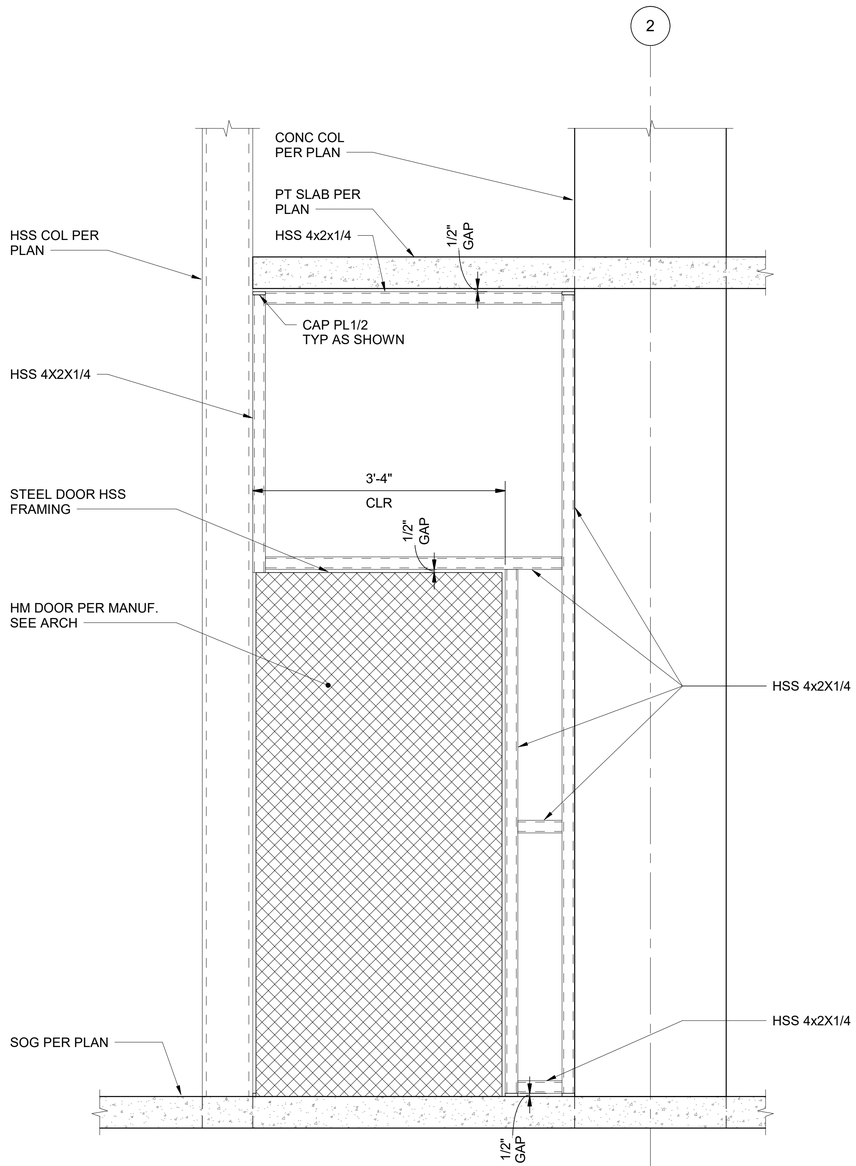
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SOUNDTRANSIT — DATE: 10/26/2022

SCALE: 1" = 1'-0"
FILENAME: S317-F1592-S_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
STRUCTURAL
STEEL DETAILS

DRAWING No.: F1592-SGD607
FACILITY ID: F1592
SHEET No: 256
REV: 0

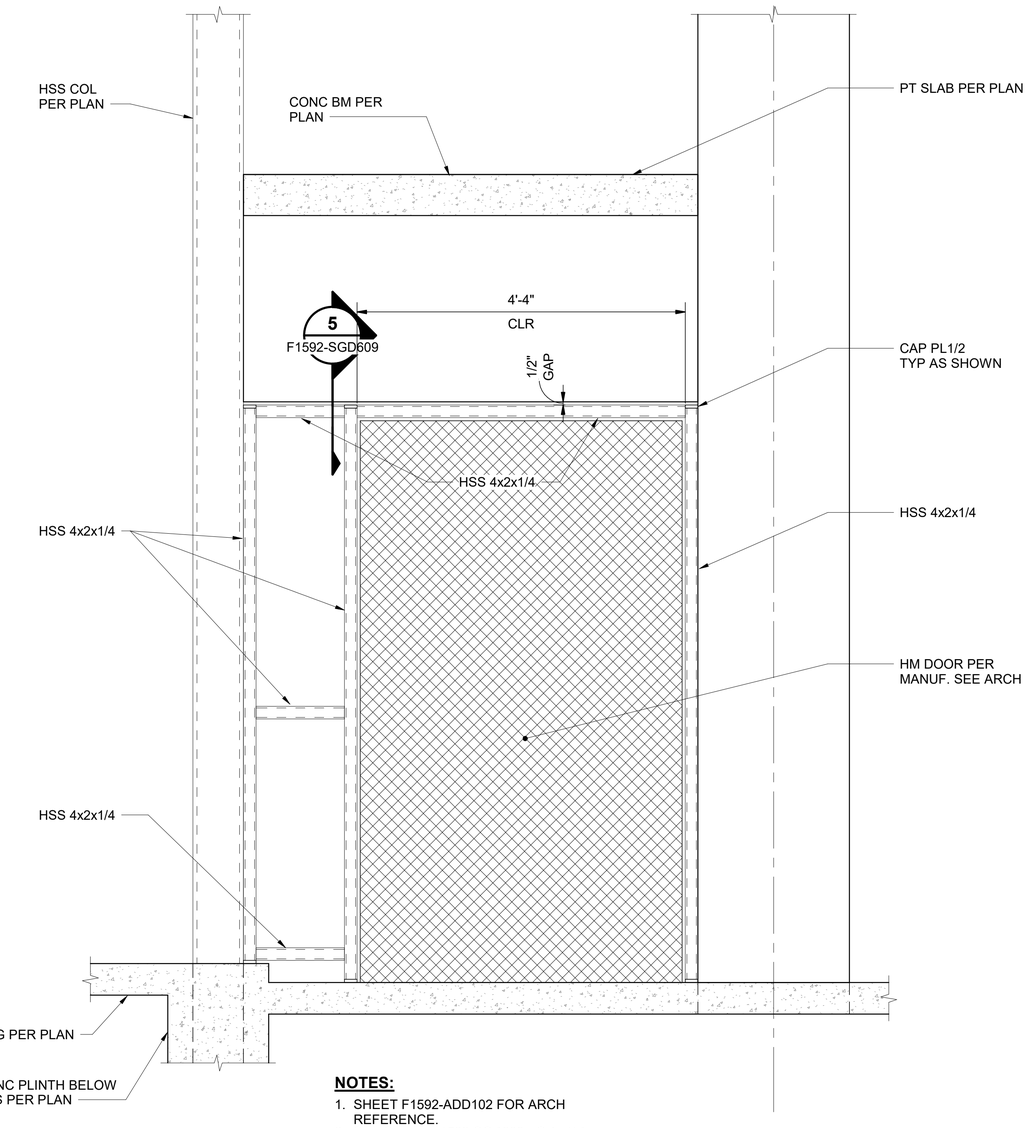


NOTES:

1. SEE SHEET F1592-ADD104 FOR ARCH REFERENCE.
2. SEE SHEET F1592-SGD609 FOR TYP HSS CONN DETAILS AT DOOR.

STEEL DOOR AT SW STAIRS — A

SCALE: 1" = 1'-0" — -



NOTES:

1. SHEET F1592-ADD102 FOR ARCH REFERENCE.
2. SEE SHEET F1592-SGD609 FOR TYP HSS CONN DETAILS AT DOOR.

STEEL DOOR AT NE STAIRS — B

SCALE: 1" = 1'-0" — -

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	NAS	JDA	SLR	FINAL AS-BUILT

DESIGNED BY: N. SCHWAB
DRAWN BY: M. AGUILING
CHECKED BY: J. ARMENA
APPROVED BY: S. ROBERTS

kpff — SUBMITTED BY: SARA ROBERTS

HENSEL PHELPS Plan. Build. Manage. kpff — DATE: 10/26/2022 — REVIEWED BY: GREG SHIMIZU

LINE IS 1" AT FULL SCALE

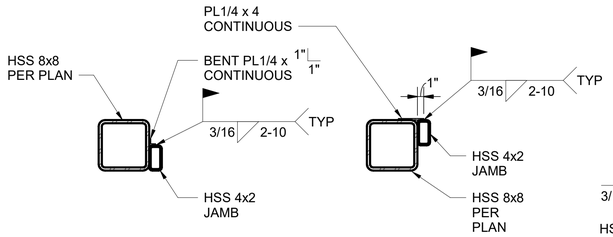
SOUNDTRANSIT — DATE: 10/26/2022

SCALE: 1" = 1'-0"
FILENAME: S317-F1592-S_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
STRUCTURAL
STEEL DETAILS

DRAWING No.: F1592-SGD608
FACILITY ID: F1592
SHEET No.: 257
REV.: 0

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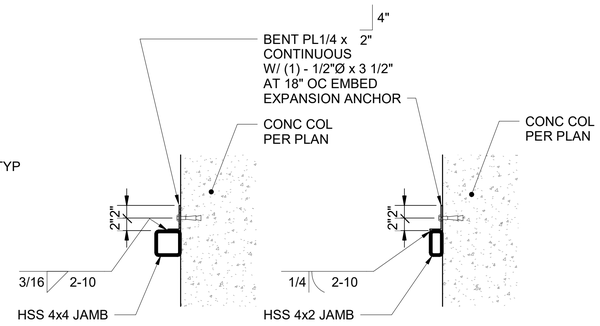


TYPE A **TYPE B**

TYPICAL JAMB - TO - HSS

SCALE: 1" = 1'-0"

2 / -



TYPE A **TYPE B**

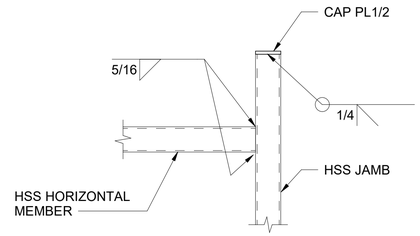
NOTES:

1. DO NOT DAMAGE/DISTURB ANY EXISTING REINFORCEMENT. WHEN INSTALLING POST-INSTALLED ANCHORS.

TYPICAL JAMB - TO - CONCRETE

SCALE: 1" = 1'-0"

3 / -



NOTES:

1. ALL HSS MEMBERS AT SECURITY DOOR FRAMING MUST END/FRAME INTO ANOTHER HSS MEMBER OR HAVE A CAP PLATE.

TYPICAL HSS - TO - HSS

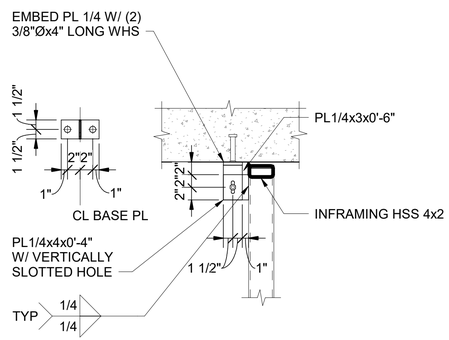
SCALE: 1" = 1'-0"

4 / -

NOT USED

SCALE: NTS

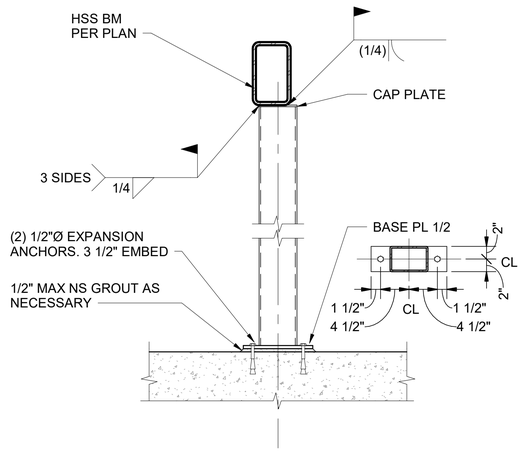
1 / -



HSS JAMB - TO - BOTTOM OF CONC

SCALE: 1" = 1'-0"

5 / F1592-SGD608



HSS COILING DOOR JAMB CONN

SCALE: 1" = 1'-0"

6 / F1592-SGP102

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	NAS	JDA	SLR	FINAL AS-BUILT

DESIGNED BY: N. SCHWAB
DRAWN BY: M. AGUILING
CHECKED BY: J. ARMENA
APPROVED BY: S. ROBERTS

kpff

HENSEL PHELPS Plan. Build. Manage.

kpff

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT

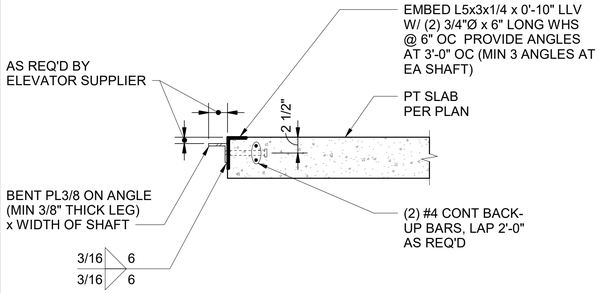
SCALE: AS NOTED
FILENAME: S317-F1592-S_v2020
CONTRACT No.: RTA/CN 0612-18

SUBMITTED BY: SARA ROBERTS
DATE: 10/26/2022
REVIEWED BY: GREG SHIMIZU
DATE: 10/26/2022
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
STRUCTURAL
STEEL DETAILS

DRAWING No.: F1592-SGD609
FACILITY ID: F1592
SHEET No.: 258
REV.: 0

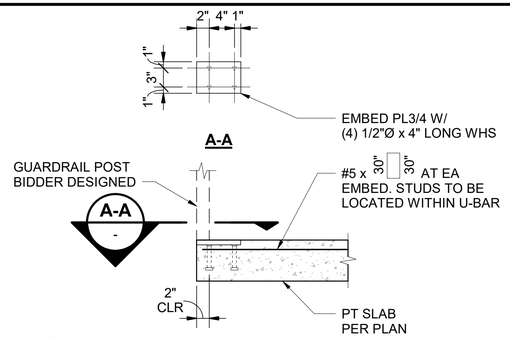
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ELEVATOR SILL AT ELEVATED SLABS

1

SCALE: 1" = 1'-0"



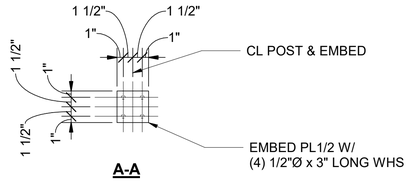
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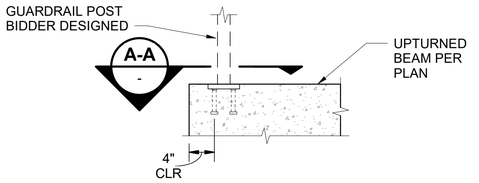
1. GUARDRAIL POSTS TO BE SPACED 5'-0" OC MAX
2. SEE ARCH FOR GUARDRAIL LOCATIONS.
3. EMBEDS DESIGNED FOR GUARDRAIL LOADS AND NOT VEHICLE LOADS.

TYP GUARDRAIL EMBED AT ELEVATED SLABS

2

SCALE: 1" = 1'-0"

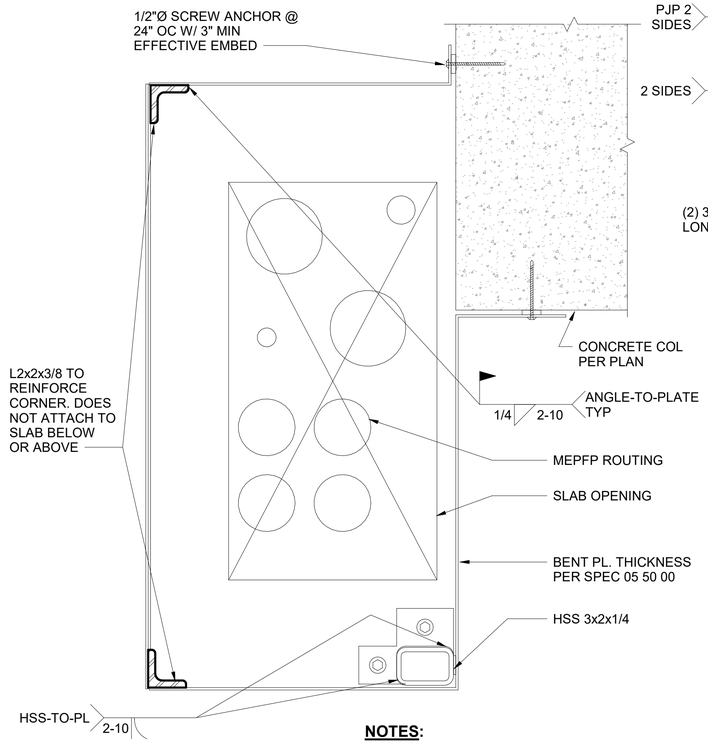




TYP GUARDRAIL EMBED AT UPTURNED BEAM

5

SCALE: 1" = 1'-0"



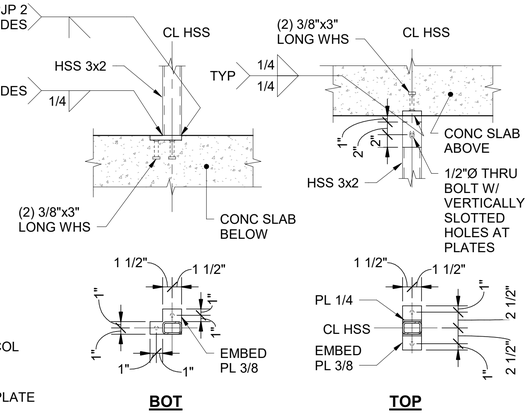
NOTES:

1. SCREW ANCHORS TYPICAL AT ALL PIPE PROTECTION.
2. SCREW ANCHORS TO START AND END 4" MAX FROM TOP AND BOT OF PLATE.
3. SEE ARCH FOR DIMENSIONS AND LOCATION.

MEPFP CHASE PROTECTION

3

SCALE: NTS



MEPFP CHASE POST DETAILS

4

SCALE: NTS

6/21/2022 4:49:56 PM
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FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	NAS	JDA	SLR	FINAL AS-BUILT

DESIGNED BY: N. SCHWAB
DRAWN BY: M. AGUILING
CHECKED BY: J. ARMENA
APPROVED BY: S. ROBERTS

kpff
SUBMITTED BY: SARA ROBERTS

HENSEL PHELPS Plan. Build. Manage.
kpff
DATE: 10/26/2022

REVIEWED BY: GREG SHIMIZU

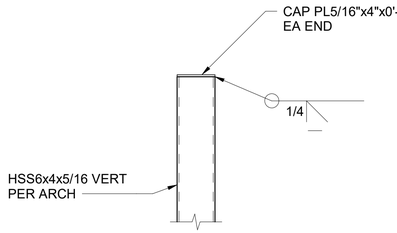
LINE IS 1" AT FULL SCALE

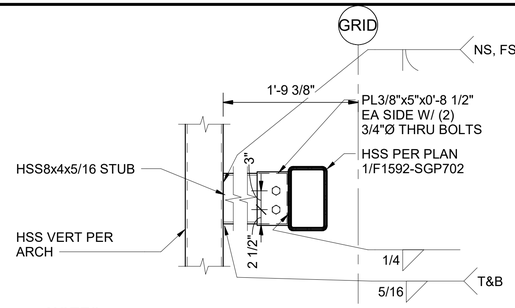
SOUNDTRANSIT
DATE: 10/26/2022

SCALE: AS NOTED
FILENAME: S317-F1592-S_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
STRUCTURAL
STEEL DETAILS

DRAWING No.: F1592-SGD610
FACILITY ID: F1592
SHEET No: 259
REV: 0



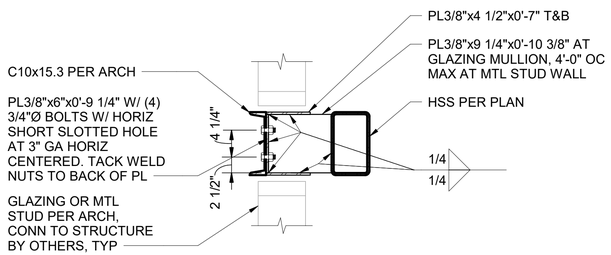


NOTES:

1. SEE 8/F1592-SGD611 FOR INFORMATION NOT SHOWN HERE.

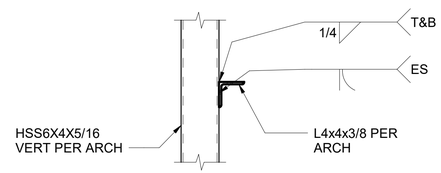
TYP CLADDING SUPPORT 1

SCALE: NTS F1592-SGX422



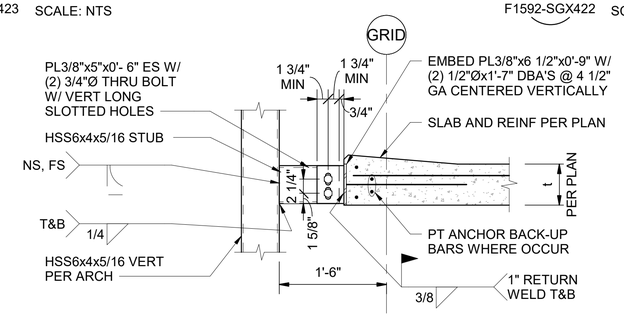
TYP CLADDING SUPPORT 2

SCALE: NTS F1592-SGX423



TYP CLADDING SUPPORT 3

SCALE: NTS F1592-SGX422

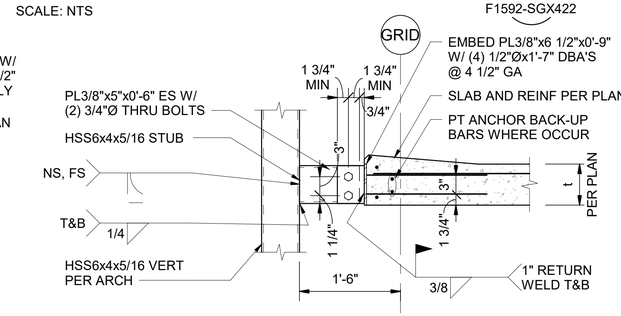


NOTES:

1. SEE 7/F1592-SGD611 FOR INFORMATION NOT SHOWN HERE.

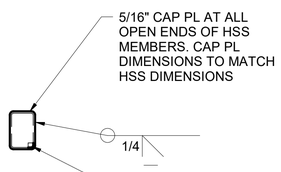
TYP CLADDING SUPPORT 4

SCALE: NTS F1592-SGX422



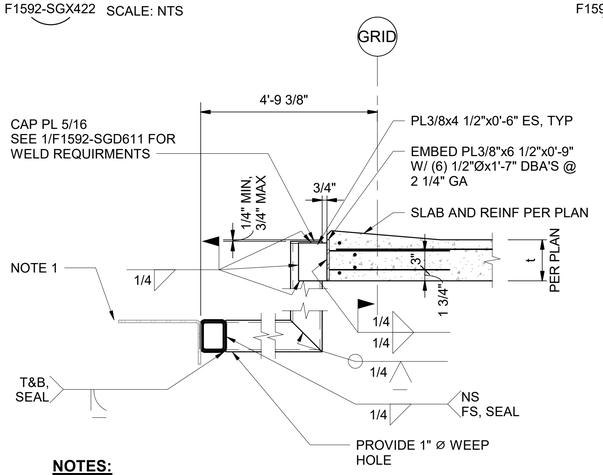
TYP CLADDING SUPPORT 5

SCALE: NTS F1592-SGX422



TYP CLADDING SUPPORT 6

SCALE: NTS F1592-SGX422

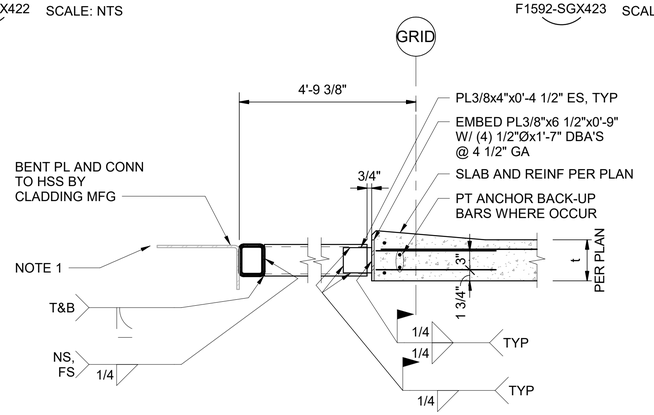


NOTES:

1. SEE 3/F1592-SGP721 FOR TOS ELEVATIONS AND MEMBER SIZES.

TYP CLADDING SUPPORT 7

SCALE: NTS F1592-SGX423

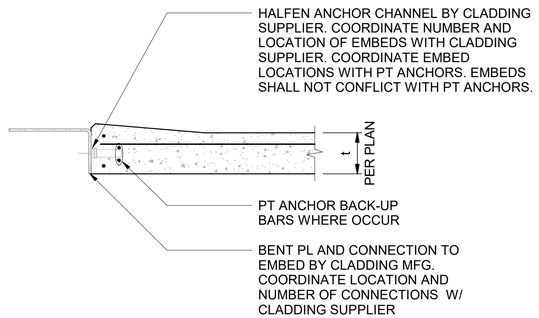


NOTES:

1. SEE 3/F1592-SGP721 FOR TOS ELEVATIONS AND MEMBER SIZES.

TYP CLADDING SUPPORT 8

SCALE: NTS F1592-SGX423



TYP CLADDING SUPPORT 9

SCALE: NTS -

TYP CLADDING SUPPORT 10

SCALE: NTS F1592-SGX421

TYP CLADDING SUPPORT 11

SCALE: NTS F1592-SGX421

TYP CLADDING SUPPORT 12

SCALE: NTS F1592-SGX421

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	NAS	JDA	SLR	FINAL AS-BUILT

DESIGNED BY: N. SCHWAB
DRAWN BY: M. AGUILING
CHECKED BY: J. ARMENA
APPROVED BY: S. ROBERTS

kpff

HENSEL PHELPS
Plan. Build. Manage.
kpff

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT

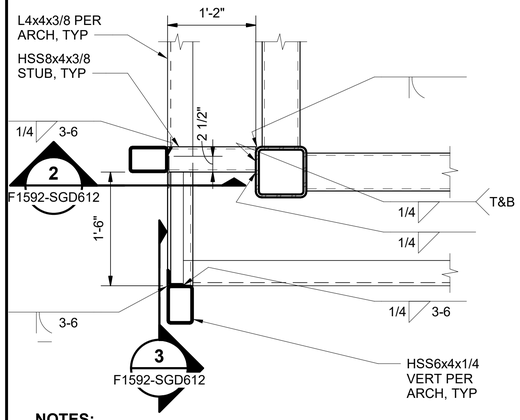
SCALE: NTS
FILENAME: S317-F1592-S_v2020
CONTRACT No.: RTA/CN 0612-18

SUBMITTED BY: SARA ROBERTS
DATE: 10/26/2022
REVIEWED BY: GREG SHIMIZU
DATE: 10/26/2022
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
STRUCTURAL
STEEL DETAILS

DRAWING No.: F1592-SGD611
FACILITY ID: F1592
SHEET No.: 260
REV.: 0

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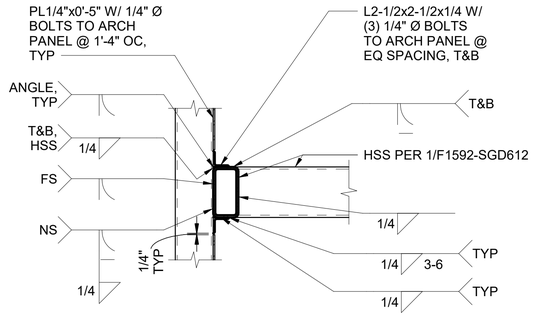


NOTES:

1. SEE F1592-SGP701 AND F1592-SGP702 FOR INFORMATION NOT SHOWN HERE.

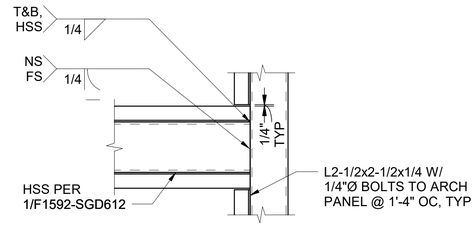
TYP CLADDING SUPPORT — 1 / F1592-SGP702

SCALE: NTS



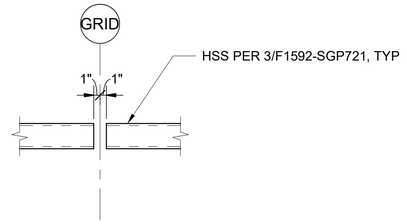
TYP CLADDING SUPPORT — 2 / F1592-SGD612

SCALE: NTS



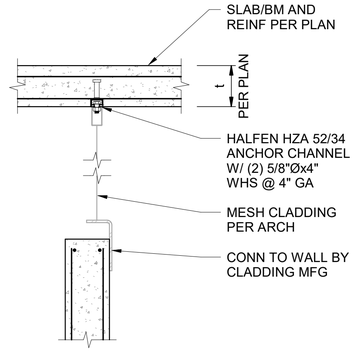
TYP CLADDING SUPPORT — 3 / F1592-SGD612

SCALE: NTS



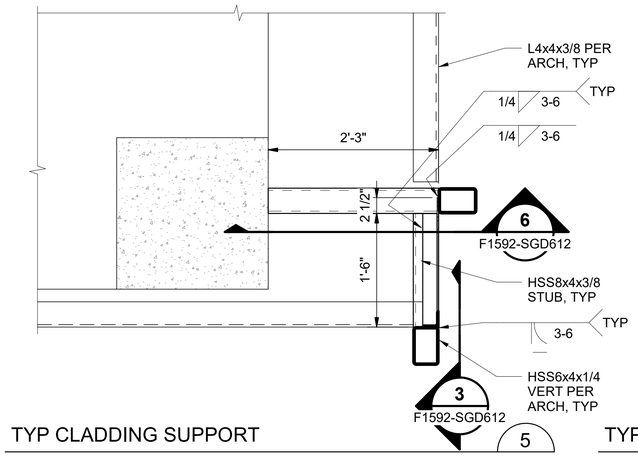
TYP CLADDING SUPPORT — 4 / F1592-SGP721

SCALE: NTS



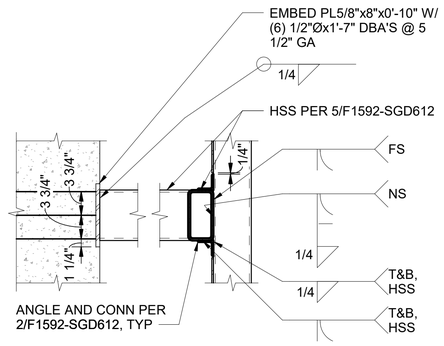
NOTES:

1. IT IS STRUCTURALLY ACCEPTABLE TO USE POST-INSTALLED ANCHORS AT THE LOCATIONS SPECIFIED IN THIS RFI PROVIDED THE ANCHORS MEET THE MINIMUM REQUIRED CONCRETE EDGE DISTANCE PER THEIR RESPECTIVE APPROVAL DOCUMENTATION (ICC-ESR/IAPMO) AND THAT IS 6" CLEAR OF ANY PT. DO NOT DAMAGE/DISTURB ANY REINFORCEMENT WHEN INSTALLING THESE ANCHORS. NOTE THAT ANCHORAGE IS BIDDER DESIGNED. KPFF IS ONLY APPROVING THE USE OF POST-INSTALLED ANCHORAGE TO THE PT DECK. MESH SCREEN AND ANCHORAGE DESIGN IS A DEFERRED SUBMITTAL.



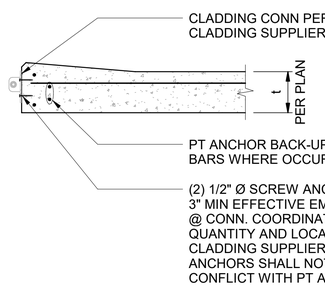
TYP CLADDING SUPPORT — 5 / F1592-SGP201

SCALE: NTS



TYP CLADDING SUPPORT — 6 / F1592-SGD612

SCALE: NTS

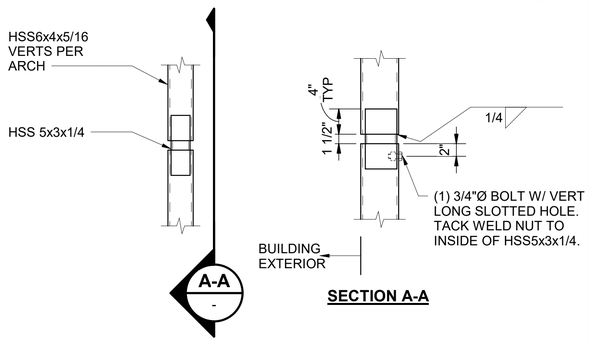


TYP CLADDING SUPPORT — 7 / F1592-SGX424

SCALE: NTS

TYP CLADDING SUPPORT — 8 / F1592-SGX422

SCALE: NTS



NOTES:

1. THIS DETAIL APPLIES TO HSS VERTS THAT SPAN ACROSS (3) OR MORE STRUTURAL SLABS. LOCATE SPLICE 3'-6" BELOW THE 4TH FLOOR TOP OF SLAB.

TYP CLADDING SUPPORT — 9 / -

SCALE: NTS

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	NAS	JDA	SLR	FINAL AS-BUILT

DESIGNED BY: N. SCHWAB
DRAWN BY: M. AGUILING
CHECKED BY: J. ARMENA
APPROVED BY: S. ROBERTS

kpff

HENSEL PHELPS Plan. Build. Manage.
kpff

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT

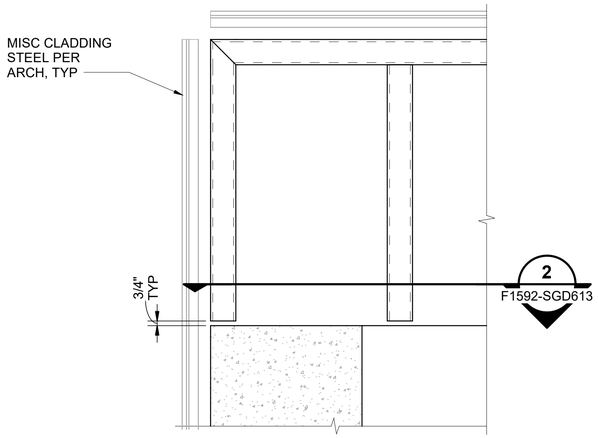
SUBMITTED BY: SARA ROBERTS
DATE: 10/26/2022
REVIEWED BY: GREG SHIMIZU
DATE: 10/26/2022

SCALE: AS NOTED
FILENAME: S317-F1592-S_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
STRUCTURAL
STEEL DETAILS

DRAWING No.: F1592-SGD612
FACILITY ID: F1592
SHEET No.: 261
REV.: 0

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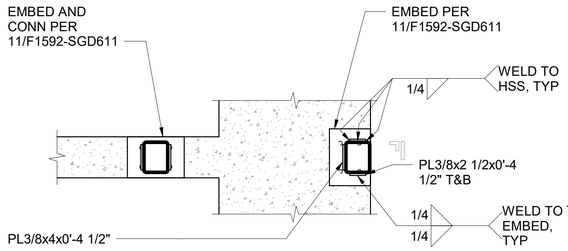
NOTES:

1. SEE 1/F1592-SGP101 AND FRAMING PLANS FOR INFORMATION NOT SHOWN HERE.

TYP CLADDING SUPPORT

SCALE: NTS

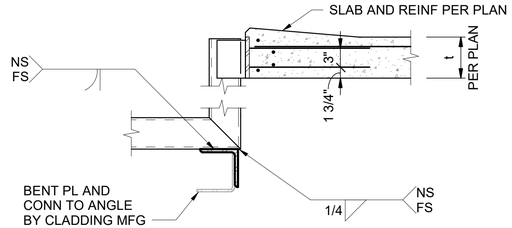
1 F1592-SGP721



TYP CLADDING SUPPORT

SCALE: NTS

2 -



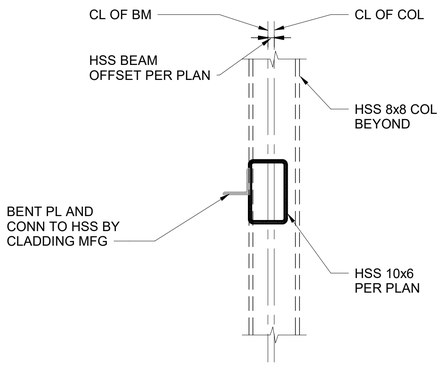
NOTES:

1. SEE 10/F1592-SGD611 AND 3/F1592-SGP721 FOR INFORMATION NOT SHOWN HERE.

TYP CLADDING SUPPORT

SCALE: NTS

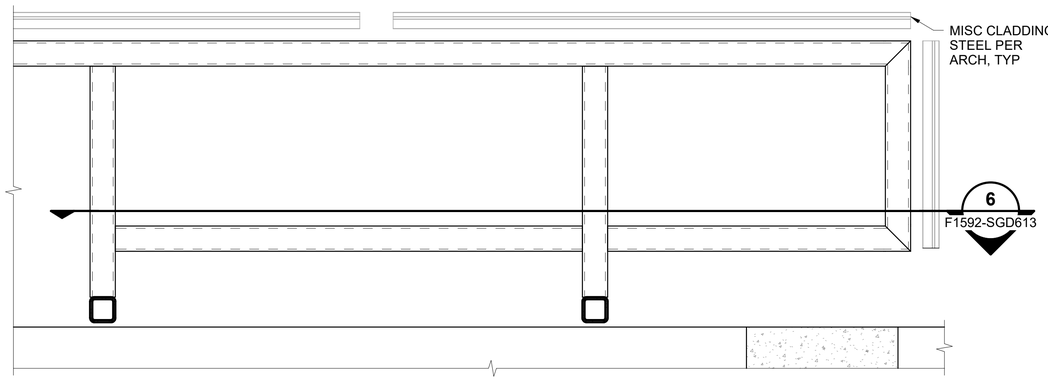
3 F1592-SGX421



TYP CLADDING SUPPORT

SCALE: NTS

4 F1592-SGX423



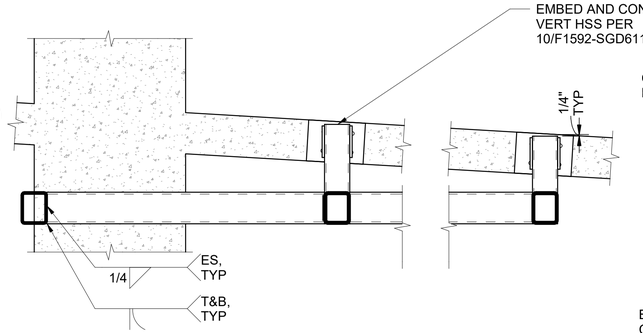
NOTES:

1. SEE 3/F1592-SGP721 AND FRAMING PLANS FOR INFORMATION NOT SHOWN HERE.

TYP CLADDING SUPPORT

SCALE: NTS

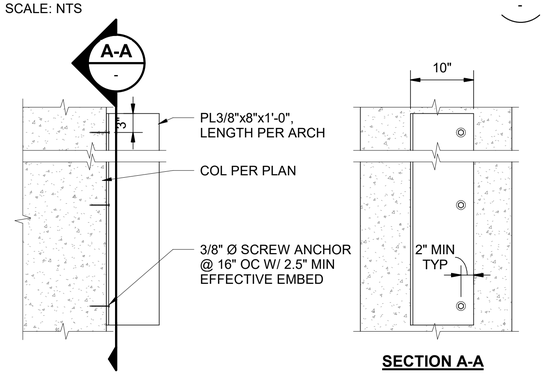
5 F1592-SGP721



TYP CLADDING SUPPORT

SCALE: NTS

6 -



SECTION A-A

TYP CLADDING SUPPORT

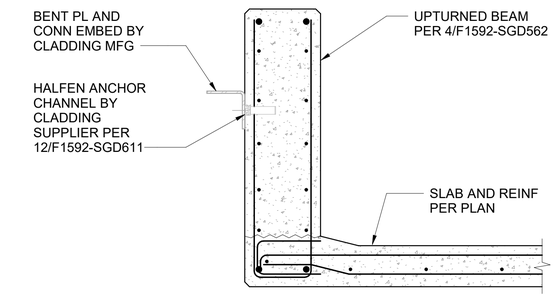
SCALE: NTS

9 F1592-SGP711

TYP CLADDING SUPPORT

SCALE: 1" = 1'-0"

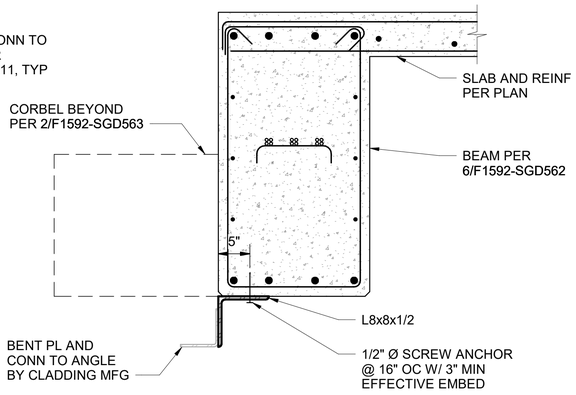
7 F1592-SGX422



TYP CLADDING SUPPORT

SCALE: 1" = 1'-0"

8 F1592-SGX422



FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	NAS	JDA	SLR	FINAL AS-BUILT

DESIGNED BY: N. SCHWAB
DRAWN BY: M. AGUILING
CHECKED BY: J. ARMENA
APPROVED BY: S. ROBERTS

kpff

HENSEL PHELPS
Plan. Build. Manage.
kpff

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT

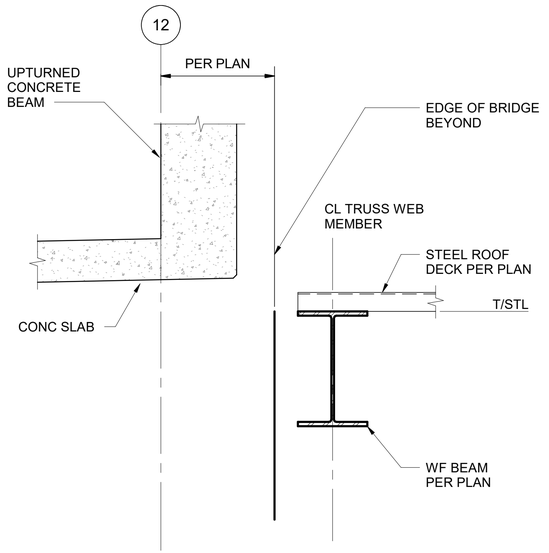
SCALE: AS NOTED
FILENAME: S317-F1592-S_v2020
CONTRACT No.: RTA/CN 0612-18

SUBMITTED BY: SARA ROBERTS
DATE: 10/26/2022
REVIEWED BY: GREG SHIMIZU
DATE: 10/26/2022
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
STRUCTURAL
STEEL DETAILS

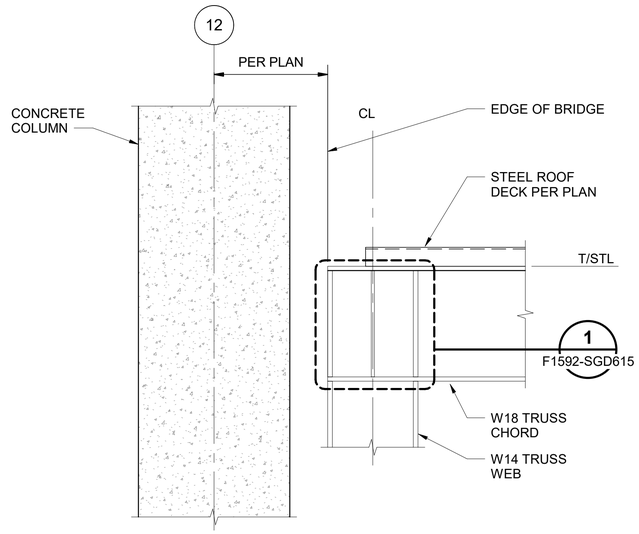
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FACILITY ID: F1592
SHEET No: 262
REV: 0

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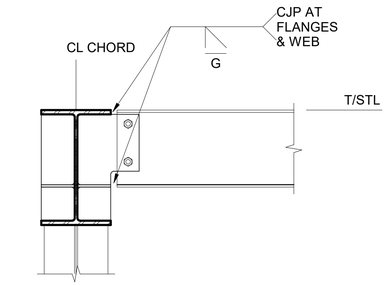
ROOF CONNECTION DETAIL 1 — F1592-SGP403

SCALE: 1" = 1'-0"



ROOF CONNECTION DETAIL 2 — F1592-SGE353

SCALE: 1" = 1'-0"

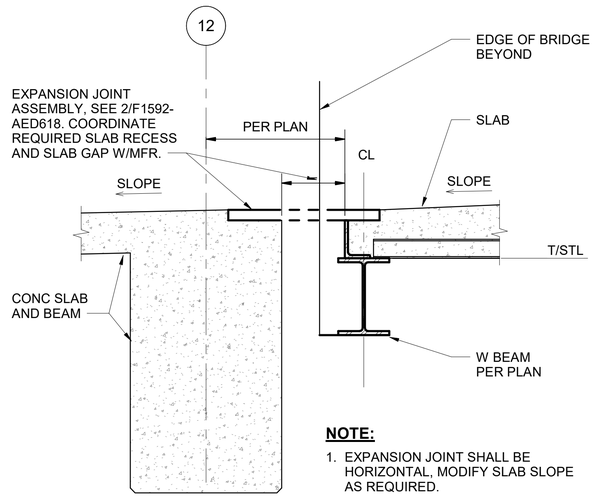


NOTE:

1. SEE 4/F1592-SGD615 FOR ADDITIONAL INFO.

MOMENT CONNECTION DETAIL 3 — F1592-SGX443

SCALE: 1" = 1'-0"

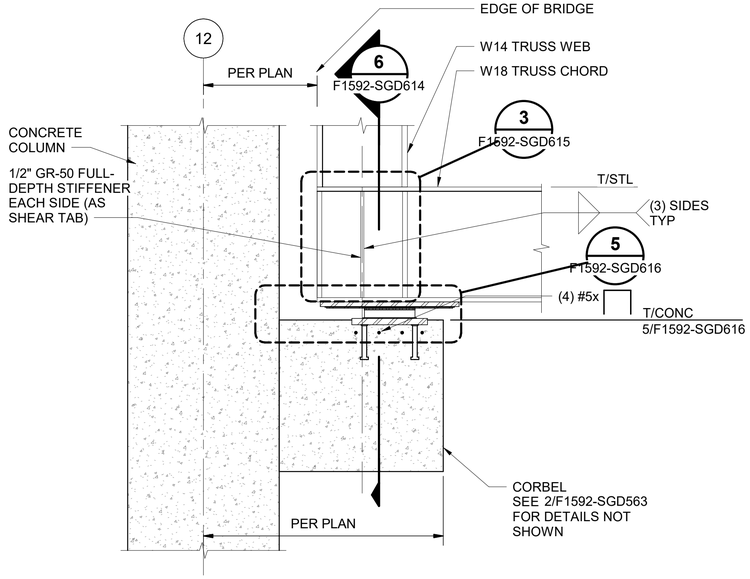


NOTE:

1. EXPANSION JOINT SHALL BE HORIZONTAL, MODIFY SLAB SLOPE AS REQUIRED.

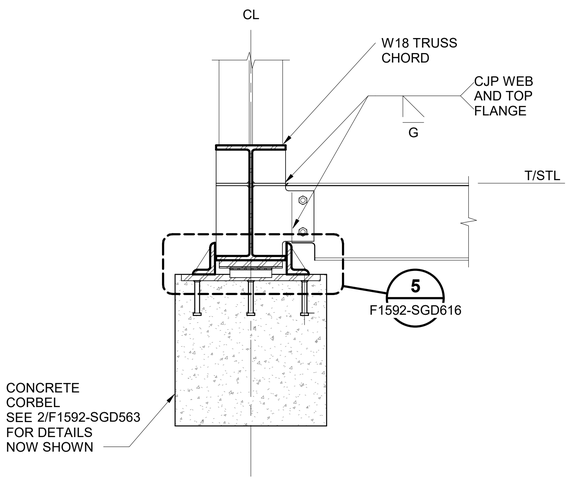
EXPANSION JOINT DETAIL 4 — F1592-SGP303

SCALE: 1" = 1'-0"



SLIDE BEARING CONNECTION DETAIL 5 — F1592-SGE353

SCALE: 1" = 1'-0"



SLIDE BEARING CONNECTION DETAIL 6 — -

SCALE: 1" = 1'-0"

6/21/2022 4:50:00 PM
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FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	NAS	JDA	SLR	FINAL AS-BUILT

DESIGNED BY: N. SCHWAB
DRAWN BY: M. AGUILING
CHECKED BY: J. ARMENA
APPROVED BY: S. ROBERTS

kpff

HENSEL PHELPS Plan. Build. Manage.

kpff

LINE IS 1" AT FULL SCALE

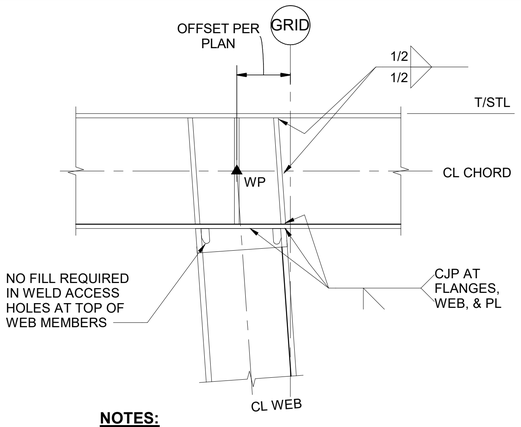
SOUNDTRANSIT

SUBMITTED BY: SARA ROBERTS
DATE: 10/26/2022
REVIEWED BY: GREG SHIMIZU
DATE: 10/26/2022

SCALE: 1" = 1'-0"
FILENAME: S317-F1592-S_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
STRUCTURAL
STEEL DETAILS

DRAWING No.: F1592-SGD614
FACILITY ID: F1592
SHEET No.: 263
REV.: 0



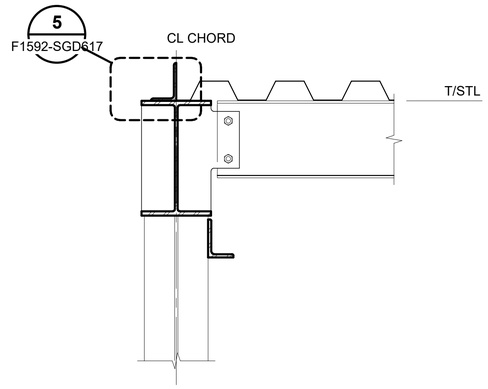
NOTES:

1. SEE 3/F1592-SGD615 FOR ADDITIONAL INFO.

TRUSS WEB CONNECTION

SCALE: 1" = 1'-0"

1 F1592-SGE353



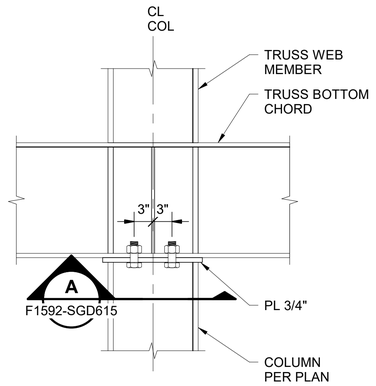
NOTES:

1. SEE 4/F1592-SGD615 FOR ADDITIONAL INFO.

BEAM CONNECTION

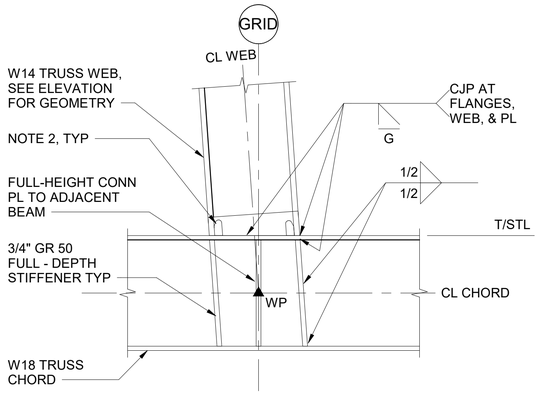
SCALE: 1" = 1'-0"

2 F1592-SGX443



NOTE:

1. SEE 3/F1592-SGD615 FOR ADDITIONAL INFO.



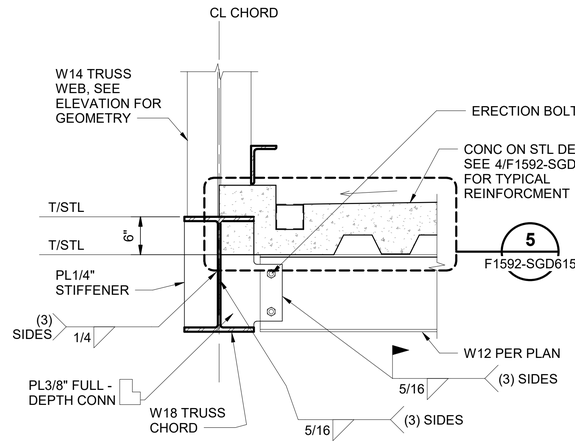
NOTES:

1. FLOOR SLAB AND INFILL BEAM NOT SHOWN FOR CLARITY.
2. FILL WELD ACCESS HOLES WITH BONDO PRIOR TO PLACEMENT OF ADJACENT CONCRETE, AND SAND BONDO SMOOTH.

TRUSS WEB CONNECTION

SCALE: 1" = 1'-0"

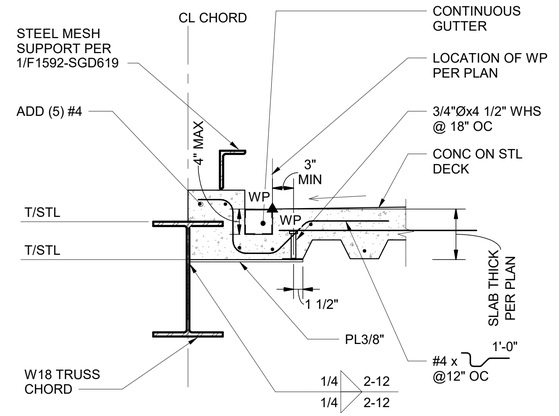
3 F1592-SGE353



BEAM CONNECTION

SCALE: 1" = 1'-0"

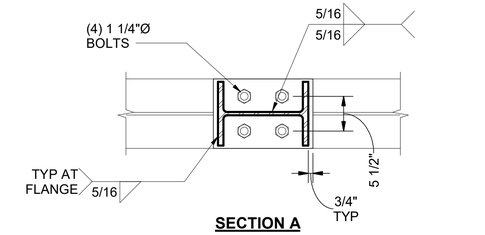
4 F1592-SGX443



SLAB EDGE DETAIL

SCALE: 1" = 1'-0"

5 -

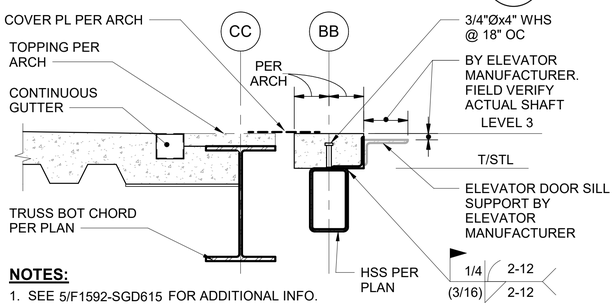


SECTION A

COLUMN TO TRUSS CONN

SCALE: 1" = 1'-0"

6 F1592-SGE353



NOTES:

1. SEE 5/F1592-SGD615 FOR ADDITIONAL INFO.

SLAB EDGE AT ELEVATOR DETAIL

SCALE: 1" = 1'-0"

7 F1592-SGP303

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	NAS	JDA	SLR	FINAL AS-BUILT

DESIGNED BY: N. SCHWAB
DRAWN BY: M. AGUILING
CHECKED BY: J. ARMENA
APPROVED BY: S. ROBERTS

kpff — SUBMITTED BY: SARA ROBERTS — DATE: 10/26/2022

HENSEL PHELPS Plan. Build. Manage. kpff — REVIEWED BY: GREG SHIMIZU — DATE: 10/26/2022

LINE IS 1" AT FULL SCALE

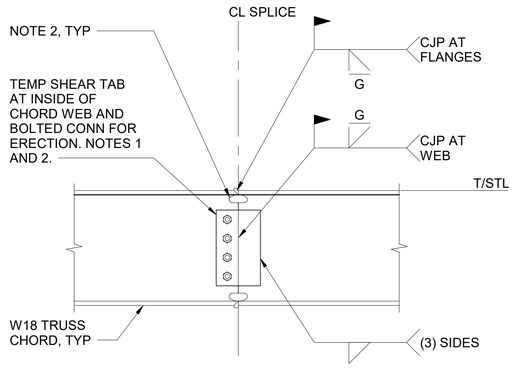
SOUNDTRANSIT — SUBMITTAL DATE: 10/26/2022

SCALE: 1" = 1'-0"
FILENAME: S317-F1592-S_v2020
CONTRACT No.: RTA/CN 0612-18

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
STRUCTURAL
STEEL DETAILS

DRAWING No.: F1592-SGD615
FACILITY ID: F1592
SHEET No.: 264
REV.: 0

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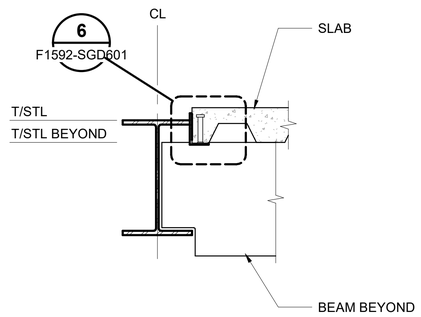
NOTES:

1. REMOVE BOLTS AFTER FLANGE AND WEB WELDING IS COMPLETE.
2. FILL WELD ACCESS HOLES AND BOLT HOLES WITH BONDO PRIOR TO PLACEMENT OF ADJACENT CONCRETE, AND SAND BONDO SMOOTH.

CHORD SPLICE DETAIL

SCALE: 1" = 1'-0"

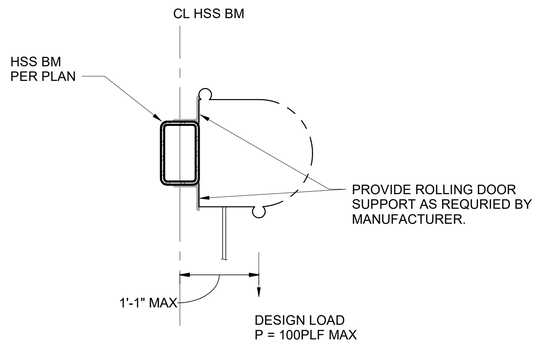
1 F1592-SGE353



SLAB EDGE SECTION

SCALE: 1" = 1'-0"

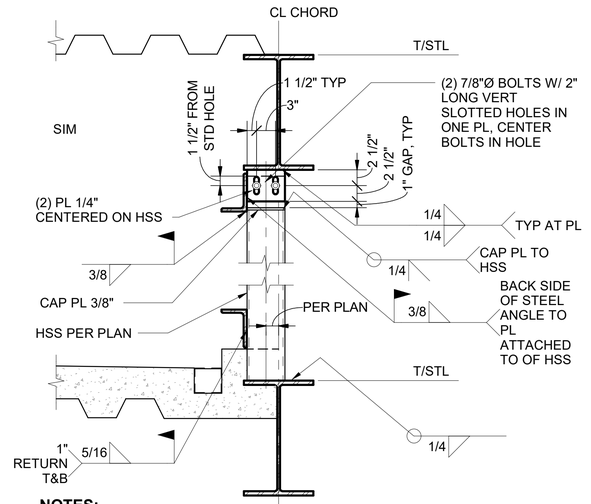
2 F1592-SGP303



ROLLING DOOR SUPPORT

SCALE: 1" = 1'-0"

3 F1592-SGP303



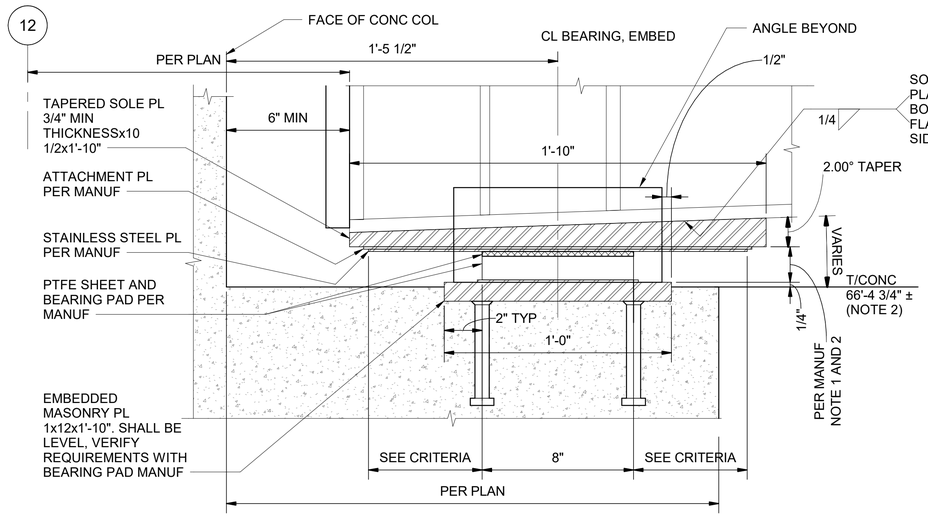
NOTES:

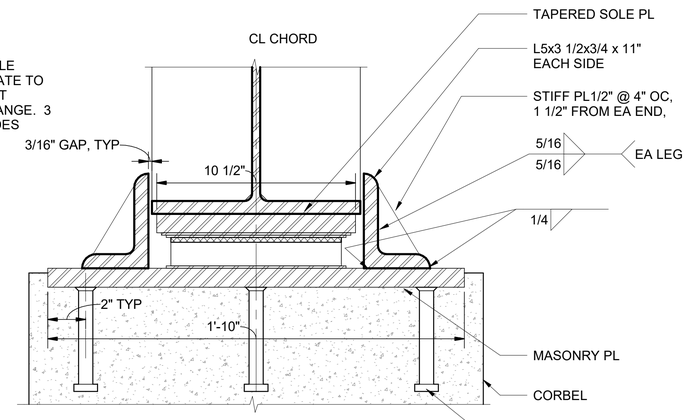
1. MESH ANGLE SUPPORT CONNECTION TO HSS WILL BE WELDED CONNECTION AS SHOWN ABOVE. AT THE OTHER END OF THE MESH ANGLE SUPPORT, CONNECTION SHOULD BE SLOTTED CONNECTION AS SHOWN ON 3/F1592-SGD619. FIELD DRILL HOLES AS NECESSARY.

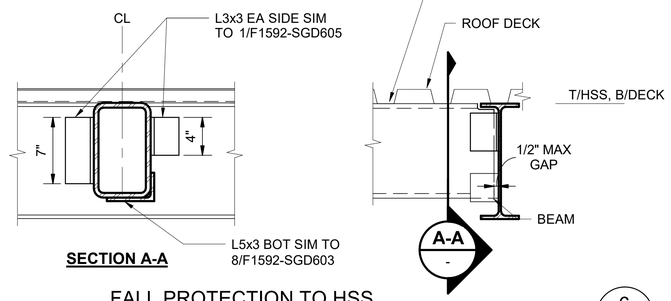
VERT HSS AT PED BRIDGE

SCALE: 1" = 1'-0"

4 F1592-SGP303







SECTION A-A

FALL PROTECTION TO HSS

SCALE: 1 1/2" = 1'-0"

6 F1592-SGP403

NOTES:

1. BEARING ASSEMBLY PER MANUFACTURER. REFER TO SCHEDULE FOR BEARING CRITERIA.
2. CONTRACTOR SHALL VERIFY ACTUAL BEARING ASSEMBLY THICKNESS PER MANUF, AND COORDINATE ANY REQUIRED ADJUSTMENTS OF ELEVATION OF TOP OF CORBEL WITH THE ENGINEER.

BEARING PAD CRITERA	
LONGITUDINAL DISPLACEMENT	12 INCHES TOTAL, 6 INCHES EACH WAY.
UNFACTORED LOADS	DEAD = 50 k LIVE = 30 k SNOW = 7 k SEISMIC = 7 k
MAX BEAM ROTATION	0.015 RADIANS
MAX BEARING SIZE	2" THICK 9" x 8"

SLIDE BEARING

SCALE: 3" = 1'-0"

5 F1592-SGD614

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FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	NAS	JDA	SLR	FINAL AS-BUILT

DESIGNED BY: N. SCHWAB
DRAWN BY: M. AGUILING
CHECKED BY: J. ARMENA
APPROVED BY: S. ROBERTS

kpff

SUBMITTED BY: SARA ROBERTS

HENSEL PHELPS Plan. Build. Manage.
kpff

DATE: 10/26/2022

REVIEWED BY: GREG SHIMIZU

LINE IS 1" AT FULL SCALE

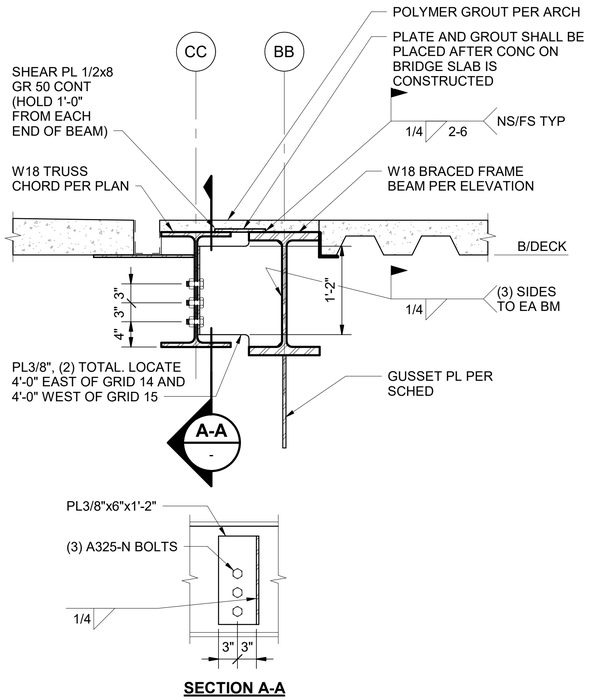
SOUNDTRANSIT

DATE: 10/26/2022

SCALE: AS NOTED
FILENAME: S317-F1592-S_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
STRUCTURAL
STEEL DETAILS

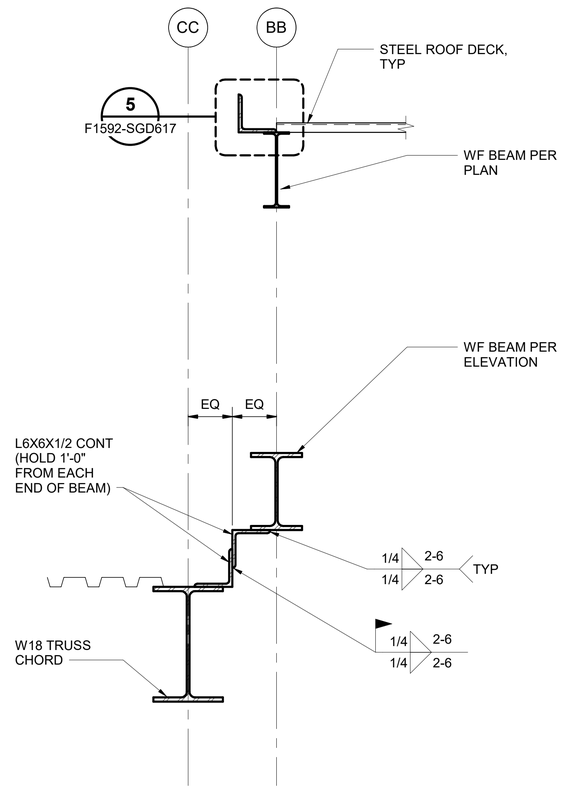
DRAWING No.: F1592-SGD616
FACILITY ID: F1592
SHEET No.: 265
REV.: 0



TRUSS BOTTOM CHORD TO BRACED FRAME

SCALE: 1" = 1'-0"

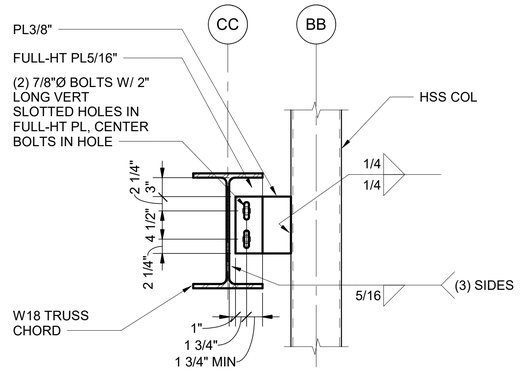
1 F1592-SGP303



TRUSS TOP CHORD TO BRACED FRAME

SCALE: 1" = 1'-0"

2 F1592-SGP403



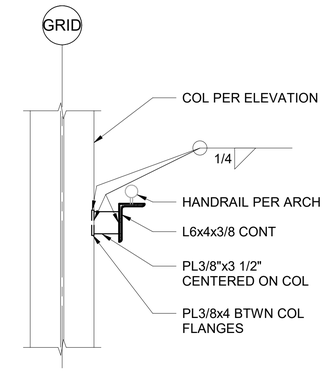
NOTES:

1. ADJACENT SLAB/ROOF DECK NOT SHOWN.

HSS POST SLIP CONNECTION

SCALE: 1" = 1'-0"

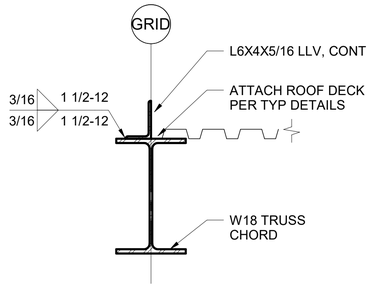
3 F1592-SGP303



PEDESTRIAN BRIDGE HANDRAIL

SCALE: 1" = 1'-0"

4 F1592-SGD619



PEDESTRIAN BRIDGE ROOF DECK EDGE

SCALE: 1" = 1'-0"

5 F1592-SGP403

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FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	NAS	JDA	SLR	FINAL AS-BUILT

DESIGNED BY: N. SCHWAB
DRAWN BY: M. AGUILING
CHECKED BY: J. ARMENA
APPROVED BY: S. ROBERTS

kpff
SUBMITTED BY: SARA ROBERTS

HENSEL PHELPS
Plan. Build. Manage.
kpff
DATE: 10/26/2022
REVIEWED BY: GREG SHIMIZU

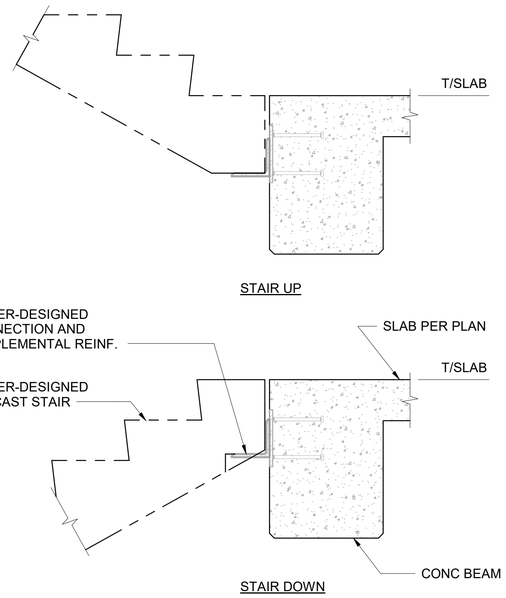
LINE IS 1" AT FULL SCALE

SOUNDTRANSIT
DATE: 10/26/2022

SCALE: 1" = 1'-0"
FILENAME: S317-F1592-S_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
STRUCTURAL
STEEL DETAILS

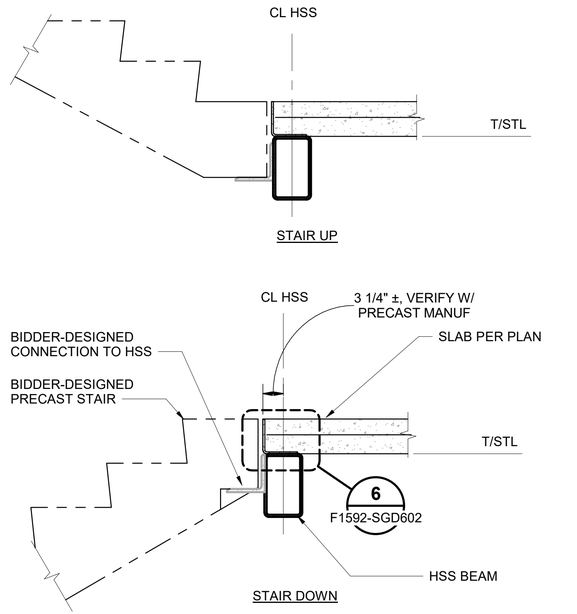
DRAWING No.: **F1592-SGD617**
FACILITY ID: F1592
SHEET No: 266
REV: 0



PRECAST STAIR AT CONC BEAM

1 — F1592-SGP701

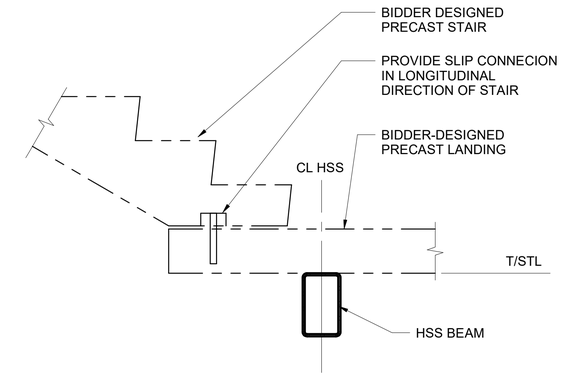
SCALE: 1" = 1'-0"



PRECAST STAIR AT SLAB

2 — F1592-SGP303

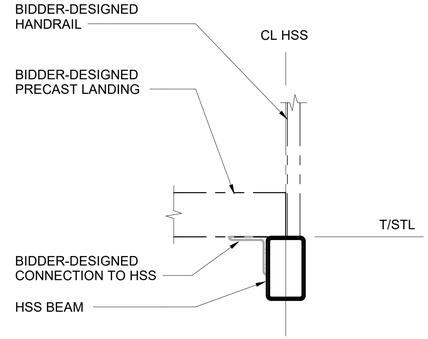
SCALE: 1" = 1'-0"



PRECAST STAIR AT PRECAST LANDING - SLIP

3 — F1592-SGP303

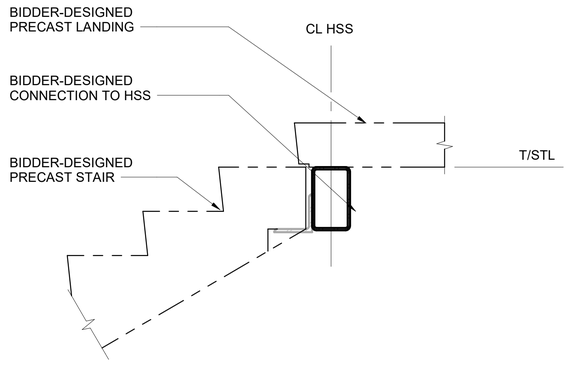
SCALE: 1" = 1'-0"



PRECAST STAIR AT HSS

4 — F1592-SGP303

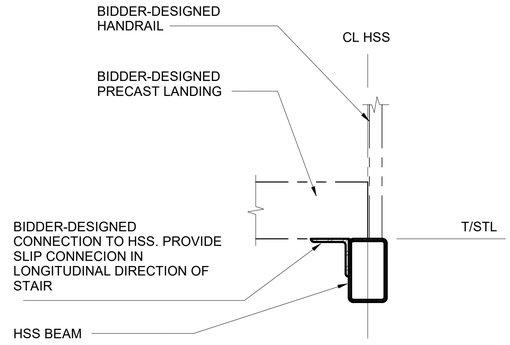
SCALE: 1" = 1'-0"



PRECAST STAIR AT PRECAST LANDING

5 — F1592-SGP303

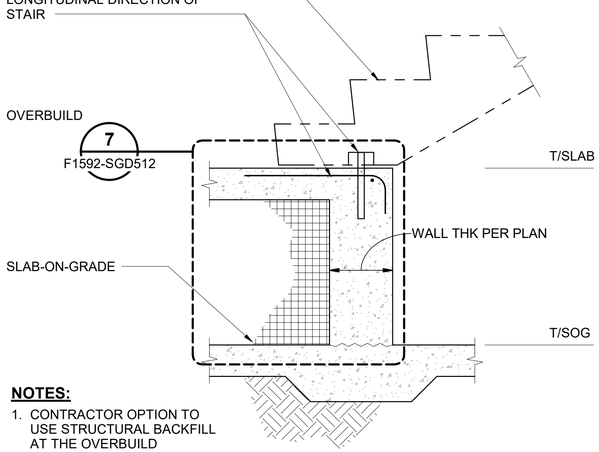
SCALE: 1" = 1'-0"



PRECAST STAIR AT HSS - SLIP

6 — F1592-SGP701

SCALE: 1" = 1'-0"



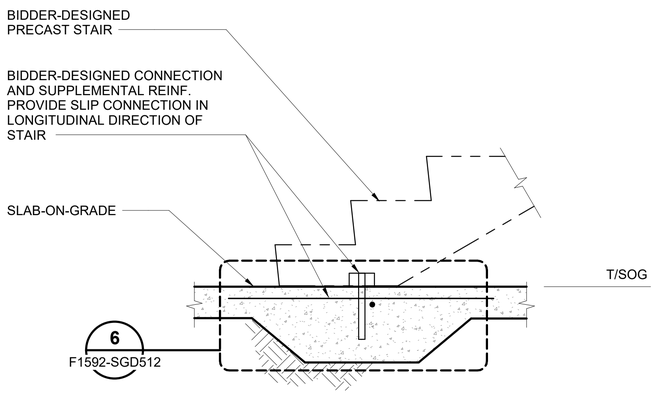
NOTES:

1. CONTRACTOR OPTION TO USE STRUCTURAL BACKFILL AT THE OVERBUILD

PRECAST STAIR AT OVERBUILD - SLIP

7 — F1592-SGP102

SCALE: 1" = 1'-0"



PRECAST STAIR AT SOG - SLIP

8 — F1592-SGP701

SCALE: 1" = 1'-0"

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	NAS	JDA	SLR	FINAL AS-BUILT

DESIGNED BY: N. SCHWAB
DRAWN BY: M. AGUILING
CHECKED BY: J. ARMENA
APPROVED BY: S. ROBERTS

kpff

SUBMITTED BY: SARA ROBERTS

HENSEL PHELPS Plan. Build. Manage.

kpff

DATE: 10/26/2022

REVIEWED BY: GREG SHIMIZU

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT

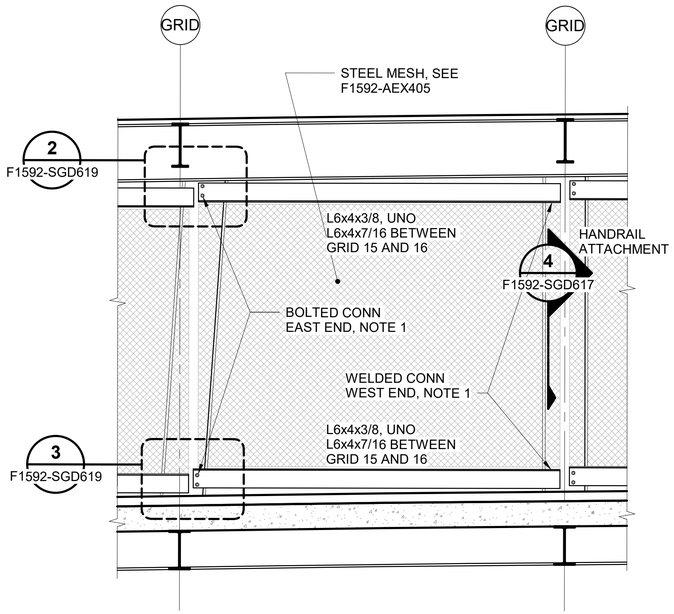
DATE: 10/26/2022

SCALE: 1" = 1'-0"
FILENAME: S317-F1592-S_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
STRUCTURAL
STEEL DETAILS

DRAWING No.: F1592-SGD618
FACILITY ID: F1592
SHEET No.: 267
REV.: 0

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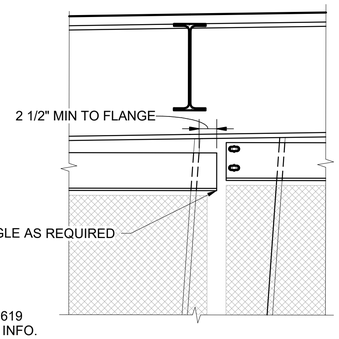
NOTES

1. FOR ATTACHMENTS OF ANGLE SUPPORTS TO BRIDGE WEB MEMBERS, EACH MESH PANEL SHALL HAVE BOLTED SLOTTED CONNECTIONS ON ONE SIDE AND WELDED CONNECTIONS ON THE OTHER.

STEEL MESH SUPPORT

SCALE: 1/2" = 1'-0"

1 — F1592-SGE353



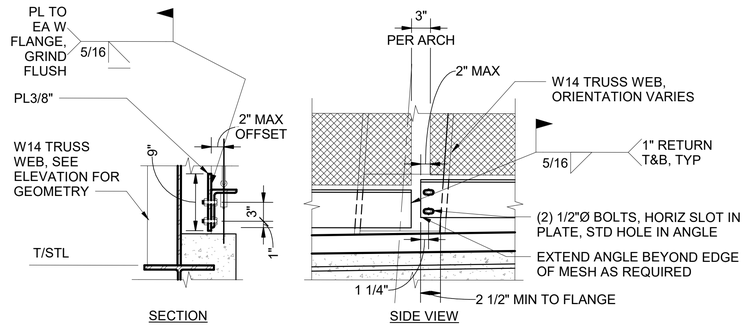
NOTES

1. SEE 3/F1592-SGD619 FOR ADDITIONAL INFO.

STEEL MESH SUPPORT CONN

SCALE: 1" = 1'-0"

2 — -



STEEL MESH SUPPORT CONN

SCALE: 1" = 1'-0"

3 — -

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FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	NAS	JDA	SLR	FINAL AS-BUILT

DESIGNED BY: N. SCHWAB
DRAWN BY: M. AGUILING
CHECKED BY: J. ARMENA
APPROVED BY: S. ROBERTS

kpff — SUBMITTED BY: SARA ROBERTS — DATE: 10/26/2022

HENSEL PHELPS Plan. Build. Manage. kpff — REVIEWED BY: GREG SHIMIZU — DATE: 10/26/2022

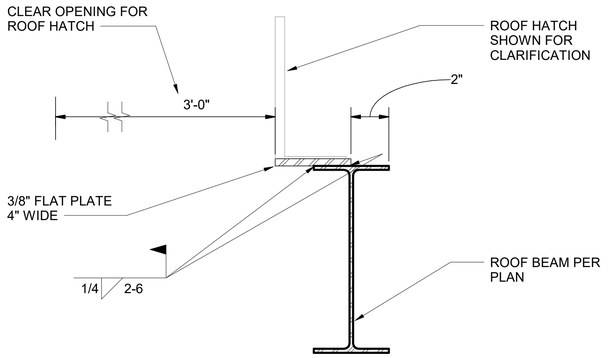
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SOUNDTRANSIT — SUBMITTAL DATE: 10/26/2022

SCALE: AS NOTED
FILENAME: S317-F1592-S_v2020
CONTRACT No.: RTA/CN 0612-18

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
STRUCTURAL
STEEL DETAILS

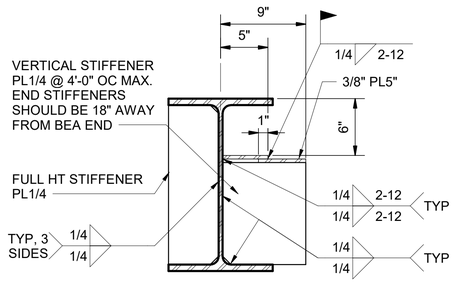
DRAWING No.: F1592-SGD619
FACILITY ID: F1592
SHEET No.: 268
REV.: 0



TYP AT ROOF HATCH OPENING

SCALE: 3" = 1'-0"

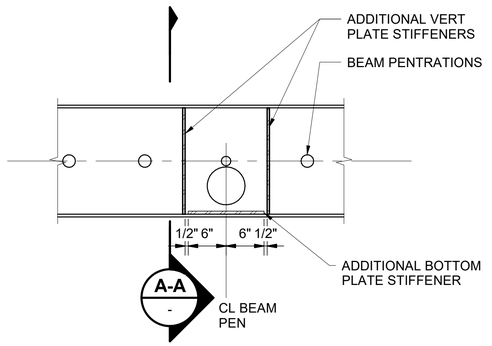
1 F1592-SGP403

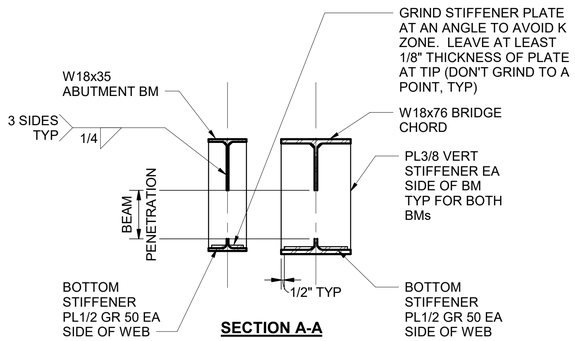


PED BRIDGE DECK SUPPORT

SCALE: 1 1/2" = 1'-0"

2 F1592-SGP303

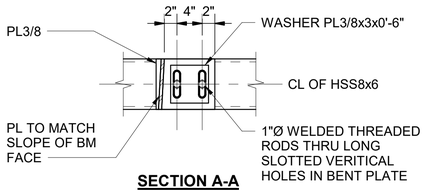


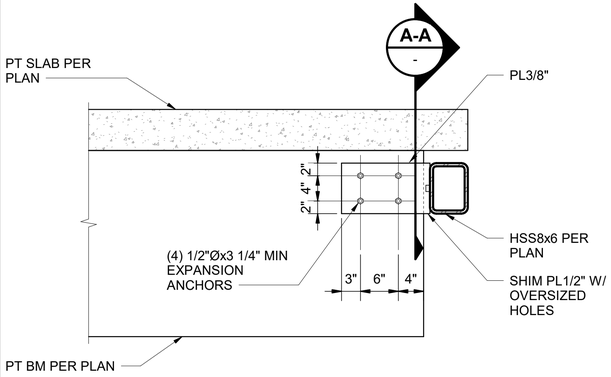


BM STIFFENER PLs AT NEW PENETRATION

SCALE: 1" = 1'-0"

3 F1592-SGP303





NOTES:

1. POST-INSTALLED ANCHORS MUST BE 3" CLR MIN FROM PT TENDONS.
2. DO NOT DAMAGE / DISTURB ANY REINFORCEMENT DURING INSTALLATION OF ANCHORS.

HSS CON TO GARAGE

SCALE: 1" = 1'-0"

5 F1592-SGP713

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FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	NAS	JDA	SLR	FINAL AS-BUILT

DESIGNED BY: N. SCHWAB
DRAWN BY: M. AGUILING
CHECKED BY: J. ARMENA
APPROVED BY: S. ROBERTS

kpff
SUBMITTED BY: SARA ROBERTS
DATE: 10/26/2022

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Plan. Build. Manage.
kpff
REVIEWED BY: GREG SHIMIZU
DATE: 10/26/2022

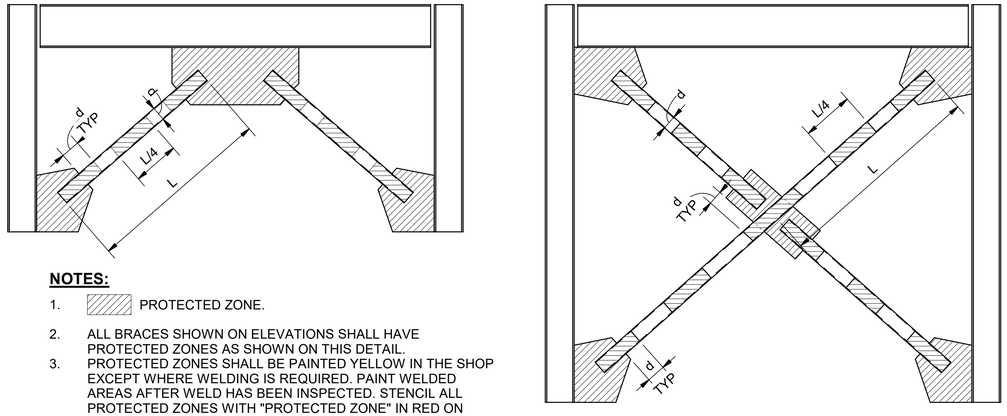
LINE IS 1" AT FULL SCALE

SOUNDTRANSIT

SCALE: AS NOTED
FILENAME: S317-F1592-S_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
STRUCTURAL
STEEL DETAILS

DRAWING No.: F1592-SGD620
FACILITY ID: F1592
SHEET No.: 269
REV.: 0



NOTES:

1. PROTECTED ZONE.
2. ALL BRACES SHOWN ON ELEVATIONS SHALL HAVE PROTECTED ZONES AS SHOWN ON THIS DETAIL.
3. PROTECTED ZONES SHALL BE PAINTED YELLOW IN THE SHOP EXCEPT WHERE WELDING IS REQUIRED. PAINT WELDED AREAS AFTER WELD HAS BEEN INSPECTED. STENCIL ALL PROTECTED ZONES WITH "PROTECTED ZONE" IN RED ON BOTH SIDES OF THE FRAME IN THE SHOP.
4. FOR RECTANGULAR HSS BRACES, "d" SHALL BE THE DEPTH OF THE LARGER OF THE TWO FACES.
5. LIMITATIONS TO USE AND FABRICATION OF PROTECTED ZONES ARE STATED IN THE GENERAL NOTES.

BRACED FRAME PROTECTED ZONES — 1 / -

SCALE: NTS

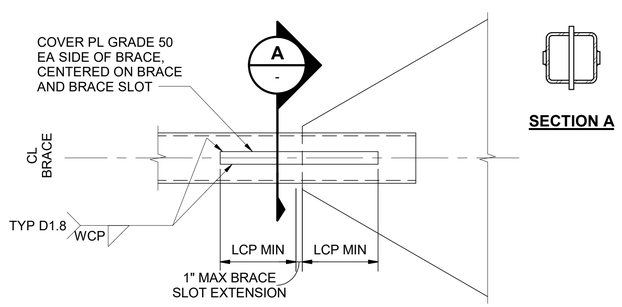
GUSSET SCHEDULE AT COLUMN & WF BEAM CONNECTION				
GUSSET	**GUSSET PL THICKNESS, "tg"**	**WELD TO COLUMN, "WC"**	**WELD TO BEAM, "WB"**	**NOTES**
G-1	5/8"	3/8"	1/4"	-
G-2	1/2"	5/16"	1/4"	-
G-3	1/2"	3/8"	3/8"	-
G-4	1/2"	5/16"	5/16"	-
G-5	1/2"	3/8"	3/8"	-
G-6	3/4"	N/A	3/8"	-
G-7	1"	N/A	7/16"	-

GUSSET SCHEDULE AT COLUMN & BASE PL CONNECTION				
GUSSET	**GUSSET PL THICKNESS, "tg3"**	**WELD TO COLUMN, "WCB"**	**WELD TO BASE PL, "WBB"**	**NOTES**
GB-1	3/4"	3/8"	1/4"	θ = 15 DEGREES
GB-2	5/8"	1/4"	1/4"	-
GB-3	1/2"	1/4"	1/4"	-

GUSSET CONNECTION SCHEDULE					
BRACE	**WELD TO BRACE "Wbr"**	**BRACE LAP LENGTH "Lbr"**	**SPLICE PL THICKNESS, "tg1"**	**REINFORCING FILLET WELD AT SPLICE PLATE "Ws"**	**NOTES**
HSS4X4X5/16	5/16"	16"	3/8"	5/16"	-
HSS5X5X3/8	3/8"	16"	3/8"	3/8"	-

NOTES:

1. AT SLOTTED CONNECTIONS, PROVIDE SLOT WITH RADIUSED END. SLOT WIDTH SHALL BE THICKNESS OF GUSSET PLATE + 1/8". PROVIDE COVER PLATE AND BRACE SLOT EXTENSION PER 2/F1592-SGD621 AT ALL LOCATIONS, UNLESS NOTED OTHERWISE.
2. PROVIDE 1" THICK COMPRESSIBLE JOINT FILLER AROUND BOTH SIDES OF GUSSET WHERE FLOOR SLAB OR SOIL IS PRESENT.
3. ALL GUSSET PLATES SHALL BE A572 GRADE 50 STEEL, UNLESS NOTED OTHERWISE.
4. GUSSET PLATE ANGLE, θ, TO BE 30 DEGREES, UNLESS NOTED OTHERWISE.

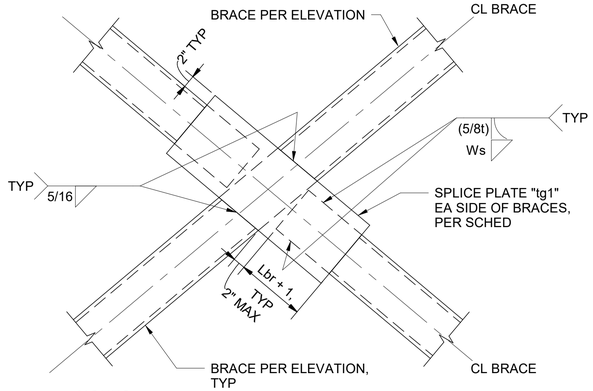


SECTION A

BRACE	COVER PLATE	WELD TO COVER PLATE "WCP"	LENGTH OF COVER PLATE "LCP"
HSS4X4X5/16	PL1/4x2	3/16"	4"
HSS5X5X3/8	PL3/8x3	1/4"	7"

BRACE SLOT REINFORCING — 2 / -

SCALE: NTS



NOTES:

1. SEE 4/F1592-SGD621 FOR ADDITIONAL INFORMATION.

GUSSET SPLICE DETAIL — 3 / F1592-SGE351

SCALE: 1" = 1'-0"

GUSSET CONNECTION SCHEDULE AND NOTES — 4 / -

SCALE: NTS

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FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	NAS	JDA	SLR	FINAL AS-BUILT

DESIGNED BY: N. SCHWAB
DRAWN BY: M. AGUILING
CHECKED BY: J. ARMENA
APPROVED BY: S. ROBERTS

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LINE IS 1" AT FULL SCALE

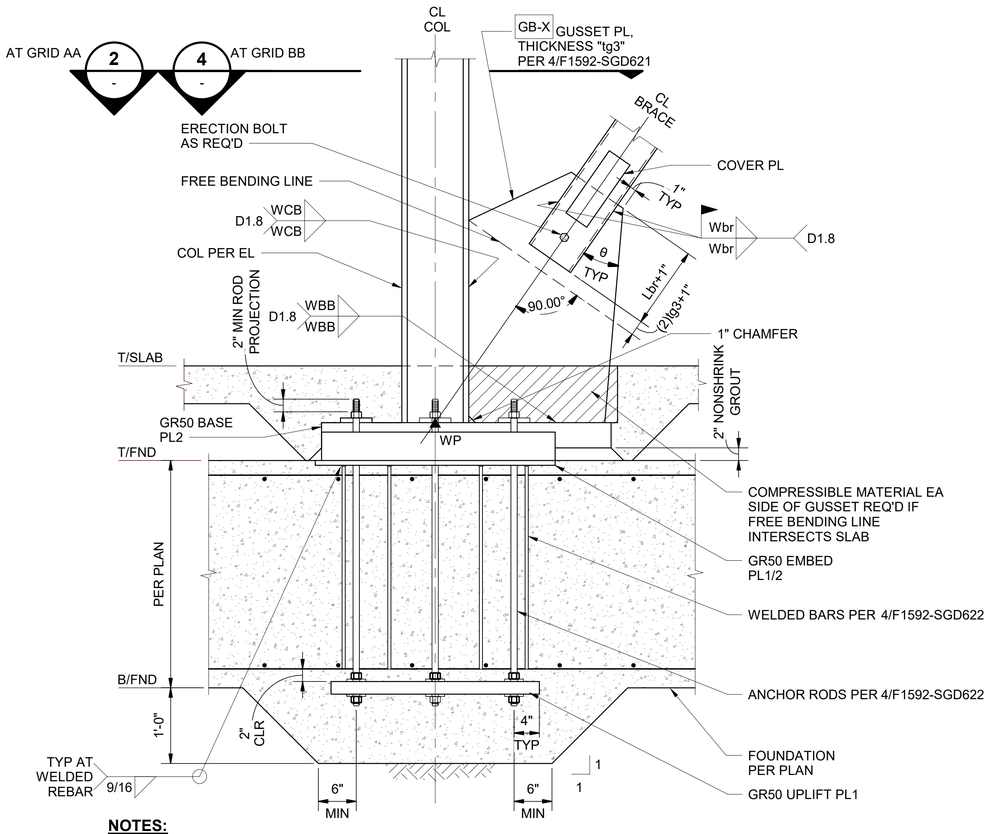
SOUNDTRANSIT

SUBMITTED BY: SARA ROBERTS
DATE: 10/26/2022
REVIEWED BY: GREG SHIMIZU
DATE: 10/26/2022

SCALE: AS NOTED
FILENAME: S317-F1592-S_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
STRUCTURAL
BRACED FRAME DETAILS

DRAWING No.: F1592-SGD621
FACILITY ID: F1592
SHEET No.: 270
REV.: 0



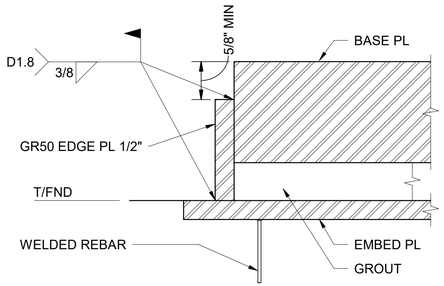
NOTES:

1. OVERPOUR SLAB-ON-GRADE TO PROVIDE 3" MINIMUM COVER OVER ALL STEEL ELEMENTS, INCLUDING EMBED PLATE.

SCBF TO WF COLUMN STRONG AXIS AND BASE PLATE CONNECTION

1 / F1592-SGE351

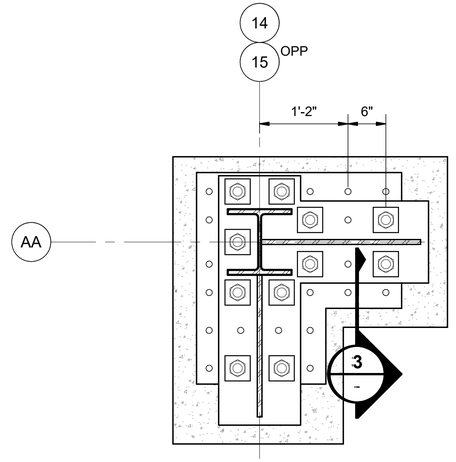
SCALE: NTS



EDGE PLATE TO SCBF BASE PLATE CONNECTION

3 / -

SCALE: NTS



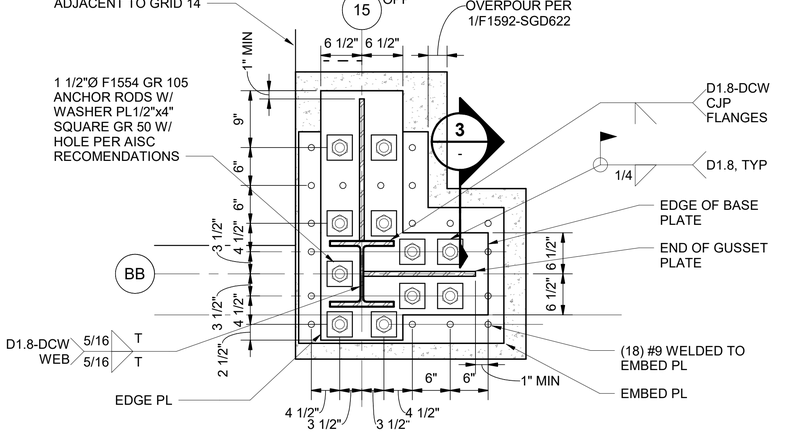
NOTES:

1. SEE 4/F1592-SGD622 FOR ADDITIONAL INFO.

SCBF TO WF COLUMN BASE PLATE CONNECTION

2 / -

SCALE: NTS



SCBF TO WF COLUMN BASE PLATE CONNECTION

4 / -

SCALE: NTS

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FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	NAS	JDA	SLR	FINAL AS-BUILT

DESIGNED BY: N. SCHWAB
DRAWN BY: M. AGUILING
CHECKED BY: J. ARMENA
APPROVED BY: S. ROBERTS

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SUBMITTED BY: SARA ROBERTS
DATE: 10/26/2022

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REVIEWED BY: GREG SHIMIZU
DATE: 10/26/2022

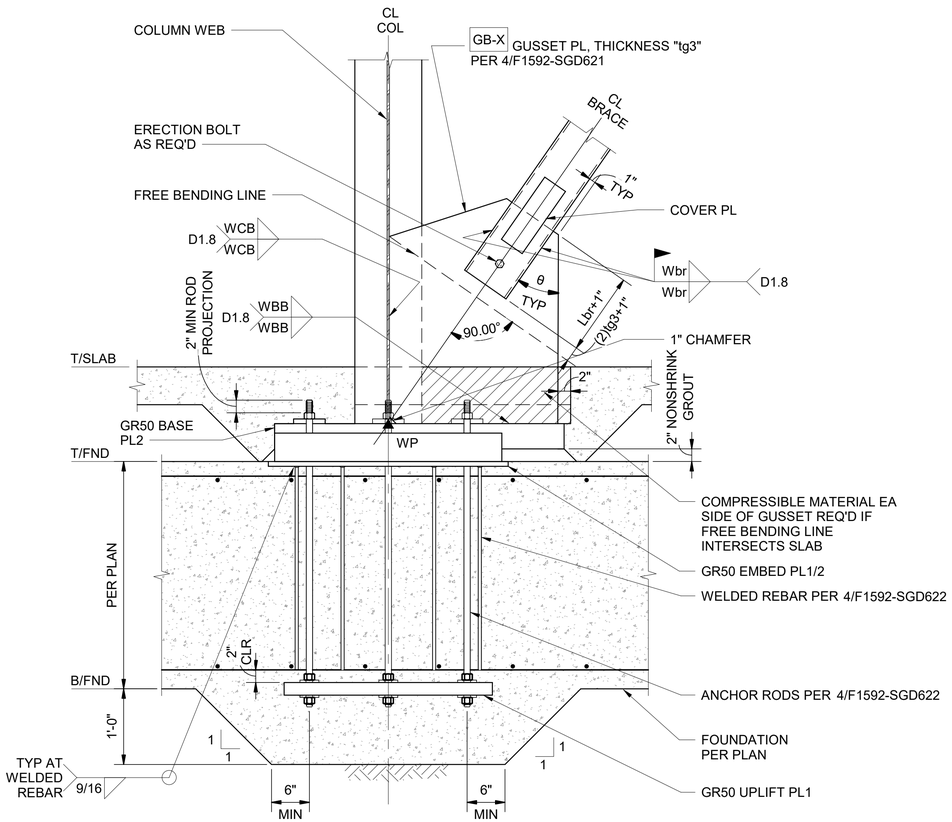
LINE IS 1" AT FULL SCALE

SOUNDTRANSIT

SCALE: AS NOTED
FILENAME: S317-F1592-S_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
STRUCTURAL
BRACED FRAME DETAILS

DRAWING No.: F1592-SGD622
FACILITY ID: F1592
SHEET No.: 271
REV.: 0



SCBF TO WF COLUMN WEAK AXIS AND BASE PLATE CONNECTION

1
F1592-SGE351

SCALE: NTS

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FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	NAS	JDA	SLR	FINAL AS-BUILT

DESIGNED BY: N. SCHWAB
DRAWN BY: M. AGUILING
CHECKED BY: J. ARMENA
APPROVED BY: S. ROBERTS

kpff
SUBMITTED BY: SARA ROBERTS
DATE: 10/26/2022

HENSEL PHELPS Plan. Build. Manage.
kpff
REVIEWED BY: GREG SHIMIZU
DATE: 10/26/2022

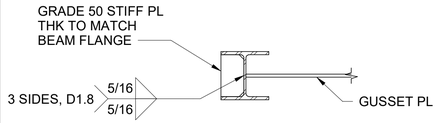
LINE IS 1" AT FULL SCALE

SOUNDTRANSIT

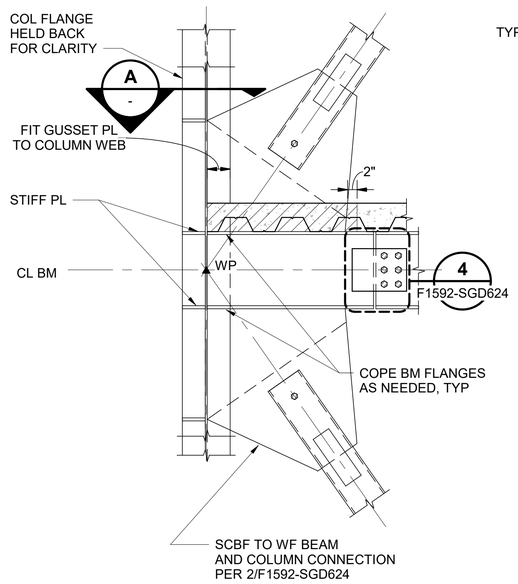
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FILENAME: S317-F1592-S_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

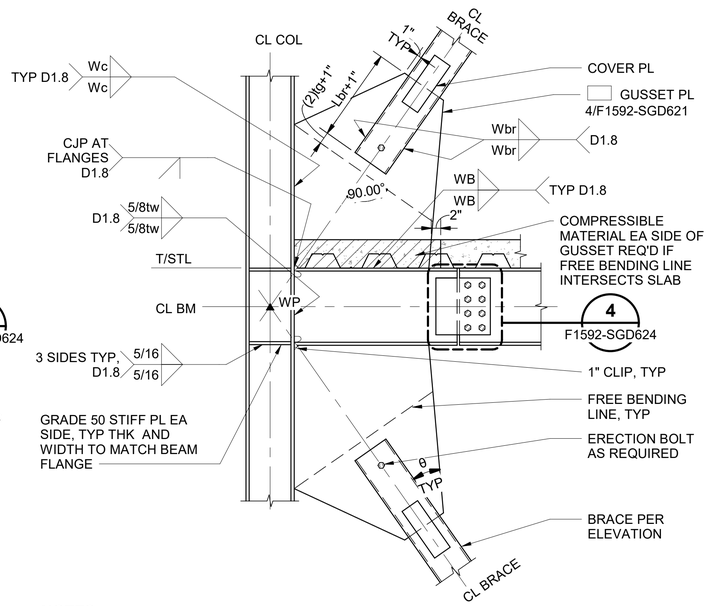
PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
STRUCTURAL
BRACED FRAME DETAILS

DRAWING No.: F1592-SGD623
FACILITY ID: F1592
SHEET No.: 272
REV.: 0



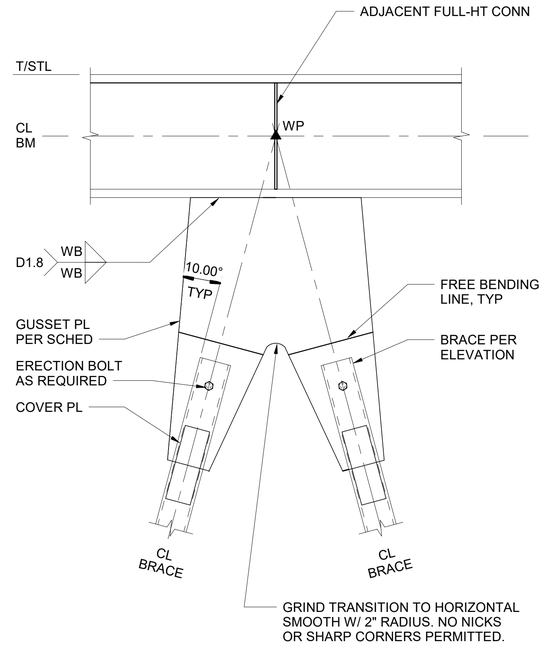
SECTION A





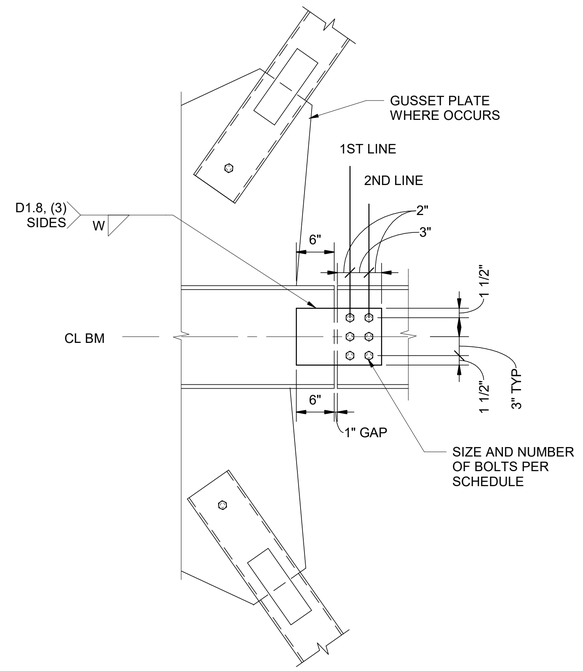
NOTES:

1. SEE 4/F1592-SGD621 FOR ADDITIONAL INFORMATION.
2. REFERENCE 1/F1592-SGD624 FOR COLUMN WEAK AXIS ORIENTATION.
3. BRACE CONNECTION MAY OCCUR ABOVE BEAM, BELOW BEAM, OR BOTH. SEE ELEVATIONS FOR BRACE LOCATIONS.



NOTES:

1. SEE 2/F1592-SGD624 FOR ADDITIONAL INFORMATION.



DOUBLE LINE CONNECTION SCHEDULE

CONNECTION TYPE (X,Y)	BOLT SIZE	MIN PLATE THICKNESS "tPL"	WELD SIZE "W"
(3,3)	7/8"Ø	1/2"	7/16"
(4,4)	7/8"Ø	7/16"	3/8"

SCBF TO WF COLUMN WEAK AXIS

SCALE: NTS

1 F1592-SGE351

SCBF TO WF BEAM AND COLUMN CONNECTION

SCALE: NTS

2 F1592-SGE351

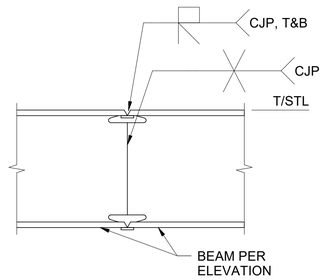
SCBF BRACING TO W BEAM CONN

SCALE: NTS

3 F1592-SGE352

NOTES:

1. DOUBLE LINE BOLTED CONNECTION OR CJP WELD OF FULL SECTION PER ELEVATION. SEE 5/F1592-SGD624 FOR CJP WELDED SECTION
2. [X,Y] INDICATES DOUBLE LINE CONN.
3. X = NUMBER OF BOLTS IN 1ST LINE
   Y = NUMBER OF BOLTS IN 2ND LINE



NOTES:

1. ERECTION TAB TO BE USED IN LIEU OF DOUBLE LINE BOLTED CONNECTION
2. REMOVE BACKING BARS AT FLANGES
3. PER CONTRACTORS OPTION, PROVIDED CONTINUOUS BEAM IN LIEU OF CJP SPLICE

TYP BEAM CJP SPLICE

SCALE: 1" = 1'-0"

5 -

SCBF BEAM STUB CONNECTION

SCALE: NTS

4 -

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FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	NAS	JDA	SLR	FINAL AS-BUILT

DESIGNED BY: N. SCHWAB
DRAWN BY: M. AGUILING
CHECKED BY: J. ARMENA
APPROVED BY: S. ROBERTS

kpff
SUBMITTED BY: SARA ROBERTS
DATE: 10/26/2022

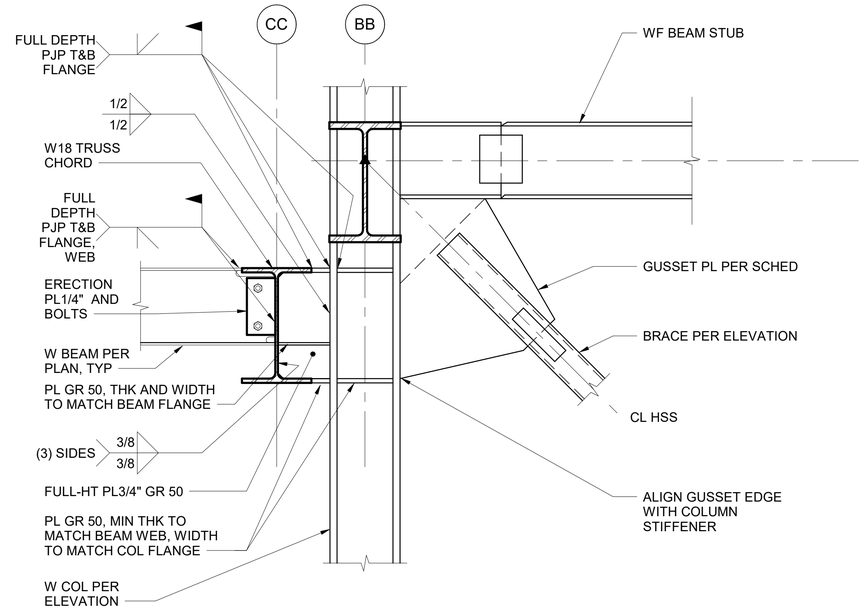
HENSEL PHELPS Plan. Build. Manage. kpff
REVIEWED BY: GREG SHIMIZU
DATE: 10/26/2022

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT
SCALE: AS NOTED
FILENAME: S317-F1592-S_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
STRUCTURAL
BRACED FRAME DETAILS

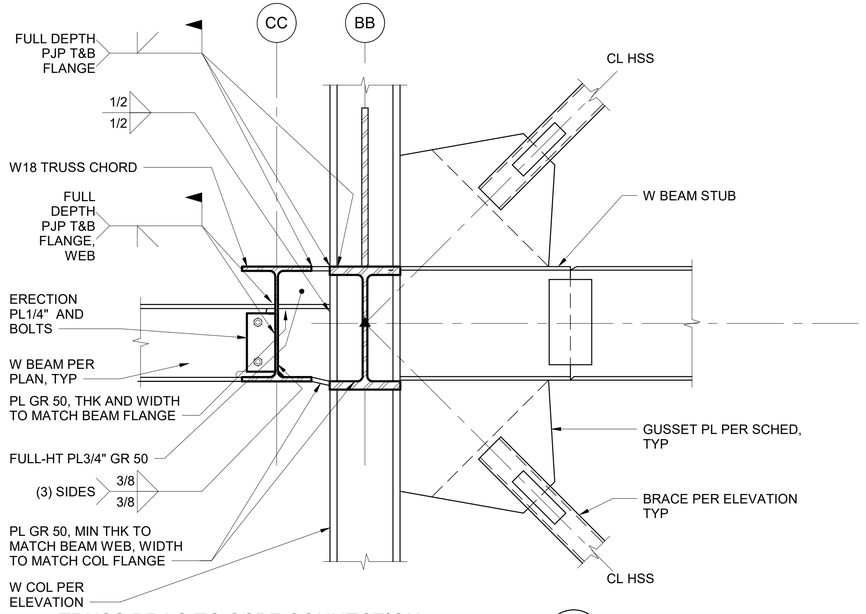
DRAWING No.: F1592-SGD624
FACILITY ID: F1592
SHEET No.: 273
REV.: 0



TRUSS DRAG TO SCBF CONNECTION 1

SCALE: 1" = 1'-0"

F1592-SGE351



TRUSS DRAG TO SCBF CONNECTION 2

SCALE: 1" = 1'-0"

F1592-SGE351

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FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	NAS	JDA	SLR	FINAL AS-BUILT

DESIGNED BY: N. SCHWAB
DRAWN BY: M. AGUILING
CHECKED BY: J. ARMENA
APPROVED BY: S. ROBERTS

kpff

HENSEL PHELPS Plan. Build. Manage.
kpff

LINE IS 1" AT FULL SCALE

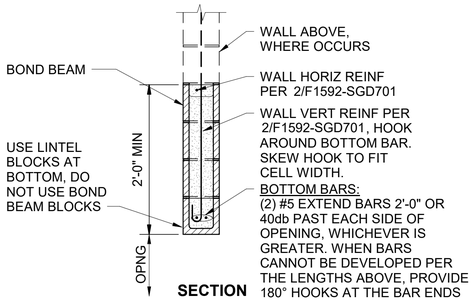
SOUNDTRANSIT

SUBMITTED BY: SARA ROBERTS
DATE: 10/26/2022
REVIEWED BY: GREG SHIMIZU
DATE: 10/26/2022

SCALE: 1" = 1'-0"
FILENAME: S317-F1592-S_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
STRUCTURAL
BRACED FRAME DETAILS

DRAWING No.: **F1592-SGD625**
FACILITY ID: F1592
SHEET No.: 274
REV.: 0

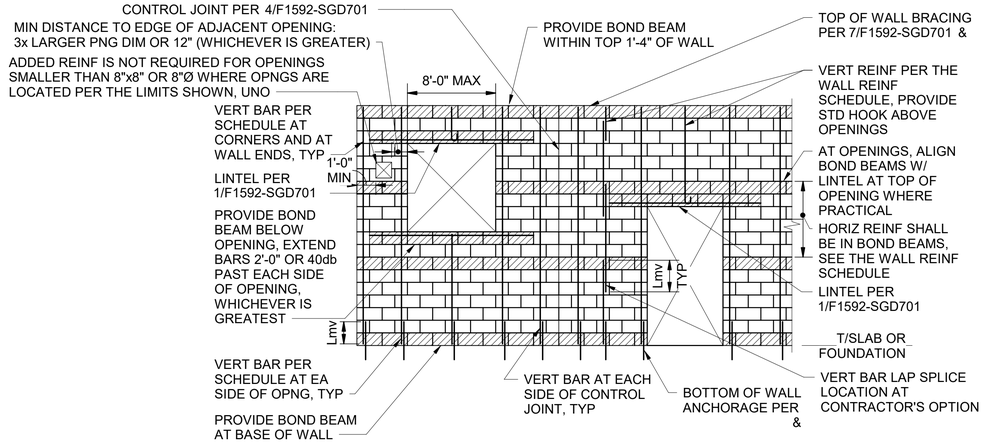


NOTES:

1. FOR LOCATIONS WHERE LINTEL BLOCK CANNOT BE INSTALLED PER REQUIREMENTS OF DETAIL 1/F1592-SGD701, IT IS ACCEPTABLE TO INSTALL A BOND BEAM AS THE HEADER ELEMENT OVER THE WALL OPENING. BOND BEAM HEADER TO HAVE (2) #5 HORIZONTAL BARS EXTEND 40DB PASSED EACH SIDE OF OPENING.

TYP NON-BEARING CMU WALL LINTEL BEAM — 1

SCALE: NTS



TYPICAL NON-BEARING CMU WALL REINFORCEMENT

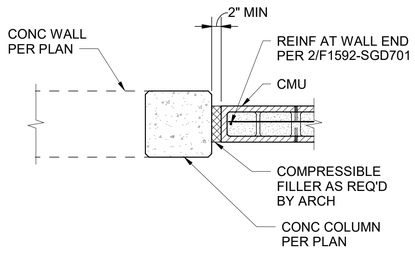
NOMINAL WALL THICKNESS	MAX WALL HEIGHT	VERTICAL REINFORCEMENT	HORIZONTAL REINFORCEMENT
8"	14'	#5 @ 48" OC	#5 @ 48" OC
8"	20'	#6 @ 32" OC	#5 @ 48" OC

NOTES:

1. THIS DETAIL PROVIDES MINIMUM REINFORCEMENT, UNLESS NOTED OTHERWISE. MORE STRINGENT SPECIFIC DETAILS SHALL TAKE PRECEDENCE OVER THESE MINIMUMS.
2. THIS DETAIL APPLIES FOR RUNNING BOND ONLY.
3. SEE 6/F1592-SGD701 FOR VERTICAL AND HORIZONTAL BAR LAP SPLICE LENGTHS.
4. CENTER VERTICAL BARS IN WALL. WALLS WITH ONE HORIZONTAL CURTAIN SHALL HAVE HORIZONTAL BARS TIGHT TO VERTICAL BARS. WALLS WITH TWO HORIZONTAL CURTAINS SHALL HAVE HORIZONTAL BARS CENTERED IN THE WALL WITH A CLEAR DISTANCE BETWEEN HORIZONTAL BARS EQUAL TO 1/3 TIMES THE NOMINAL WALL THICKNESS.

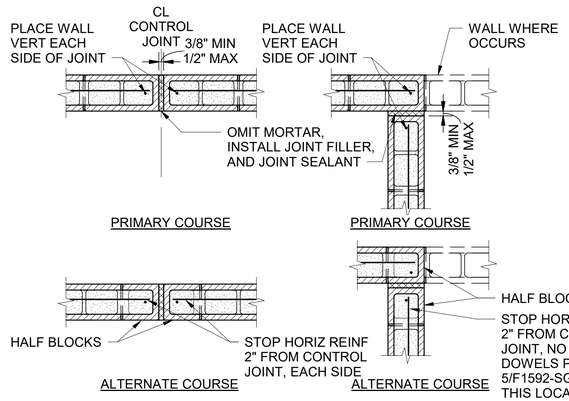
TYP NON-BEARING CMU WALL REINF — 2

SCALE: NTS



TYP CMU WALL END AT COLUMNS/WALLS — 3

SCALE: NTS

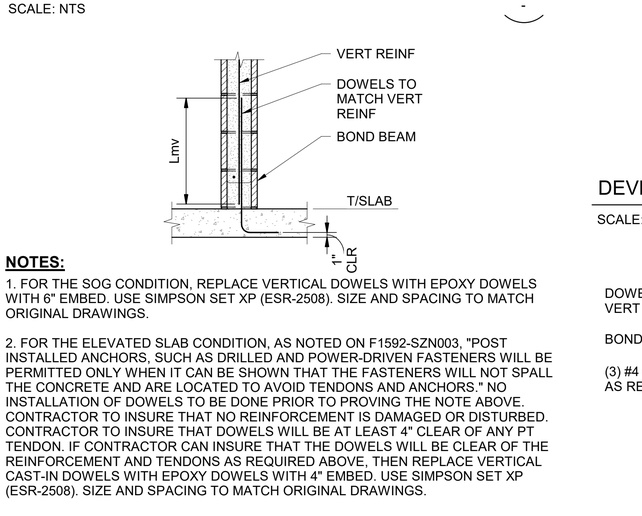


NOTES:

1. CONTROL JOINT SPACING SHALL NOT EXCEED 24'-0", UNLESS NOTED OTHERWISE.
2. SEE ARCHITECTURAL DRAWINGS FOR CONTROL JOINT LOCATIONS.

TYP MASONRY CONTROL JOINT — 4

SCALE: NTS



NOTES:

1. COORDINATE REINFORCING WITH CONTROL JOINT LOCATIONS PER 4/F1592-SGD701

TYP NON-BEARING CMU WALL REINF - PLAN — 5

SCALE: NTS

NOTES:

1. FOR THE SOG CONDITION, REPLACE VERTICAL DOWELS WITH EPOXY DOWELS WITH 6" EMBED. USE SIMPSON SET XP (ESR-2508). SIZE AND SPACING TO MATCH ORIGINAL DRAWINGS.

2. FOR THE ELEVATED SLAB CONDITION, AS NOTED ON F1592-SZN003, "POST INSTALLED ANCHORS, SUCH AS DRILLED AND POWER-DRIVEN FASTENERS WILL BE PERMITTED ONLY WHEN IT CAN BE SHOWN THAT THE FASTENERS WILL NOT SPALL THE CONCRETE AND ARE LOCATED TO AVOID TENDONS AND ANCHORS." NO INSTALLATION OF DOWELS TO BE DONE PRIOR TO PROVING THE NOTE ABOVE. CONTRACTOR TO INSURE THAT NO REINFORCEMENT IS DAMAGED OR DISTURBED. CONTRACTOR TO INSURE THAT DOWELS WILL BE AT LEAST 4" CLEAR OF ANY PT TENDON. IF CONTRACTOR CAN INSURE THAT THE DOWELS WILL BE CLEAR OF THE REINFORCEMENT AND TENDONS AS REQUIRED ABOVE, THEN REPLACE VERTICAL CAST-IN DOWELS WITH EPOXY DOWELS WITH 4" EMBED. USE SIMPSON SET XP (ESR-2508). SIZE AND SPACING TO MATCH ORIGINAL DRAWINGS.

f'_m = 2,000 PSI
f_y = 60,000 PSI

8" NOMINAL WALL THICKNESS

BAR SIZE	L_{mv}	L_{mh} ONE CURTAIN
#3	12	12
#4	12	16
#5	19	26
#6	38	51
#7	52	-
#8	80	-

NOTES:

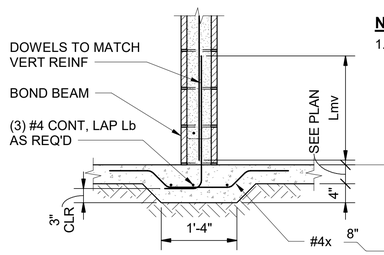
1. USE THE LENGTHS IN THIS SCHEDULE, UNLESS NOTED OTHERWISE.
2. SEE 2/F1592-SGD701 FOR PLACEMENT LOCATIONS OF VERTICAL AND HORIZONTAL REINFORCING.

ABBREVIATIONS

Lmv = VERTICAL BAR LAP SPLICE AND DEVELOPMENT LENGTH (IN)
Lmh = HORIZONTAL BAR LAP SPLICE LENGTH (IN)

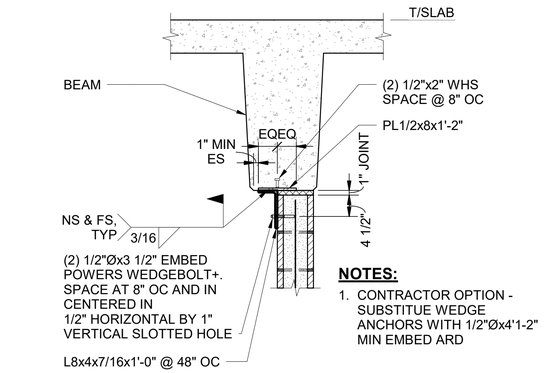
DEVELOPMENT AND SPLICE LENGTH SCHEDULE — 6

SCALE: NTS



NOTES:

1. SEE NOTES ON 9/F1592-SGD701

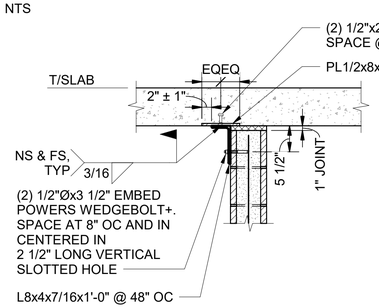


NOTES:

1. CONTRACTOR OPTION - SUBSTITUE WEDGE ANCHORS WITH 1/2"Øx4'1-2" MIN EMBED ARD

TYP TOP OF WALL ANCHORAGE AT CONC BEAM — 7

SCALE: NTS



TYP TOP OF WALL ANCHORAGE AT CONC SLAB — 8

SCALE: NTS

TYP BOTTOM OF WALL AT CONCRETE SLAB — 9

SCALE: NTS

TYP BOTTOM OF WALL AT SLAB-ON-GRADE — 10

SCALE: NTS

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	NAS	JDA	SLR	FINAL AS-BUILT

DESIGNED BY: N. SCHWAB
DRAWN BY: M. AGUILING
CHECKED BY: J. ARMENA
APPROVED BY: S. ROBERTS

kpff
HENSEL PHELPS Plan. Build. Manage.
kpff

SUBMITTED BY: SARA ROBERTS
DATE: 10/26/2022
REVIEWED BY: GREG SHIMIZU
DATE: 10/26/2022

LINE IS 1" AT FULL SCALE

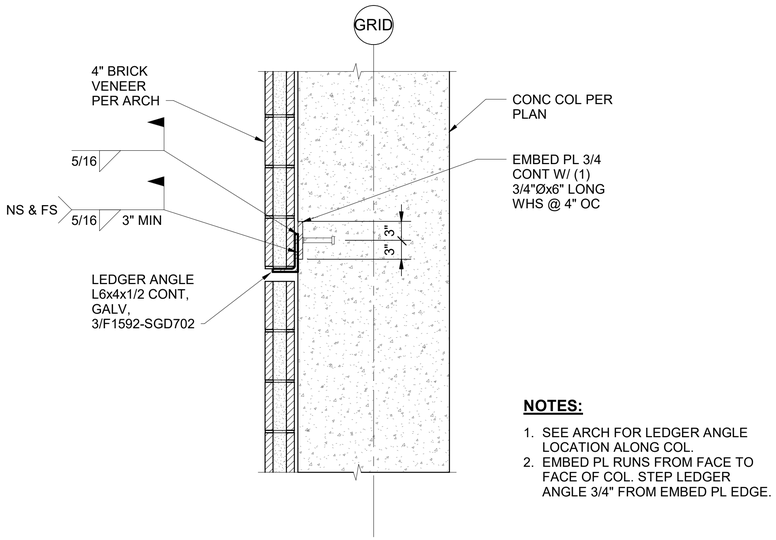
SOUNDTRANSIT

SCALE: AS NOTED
FILENAME: S317-F1592-S_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
STRUCTURAL
MASONRY DETAILS

DRAWING No.: F1592-SGD701
FACILITY ID: F1592
SHEET No.: 275
REV.: 0

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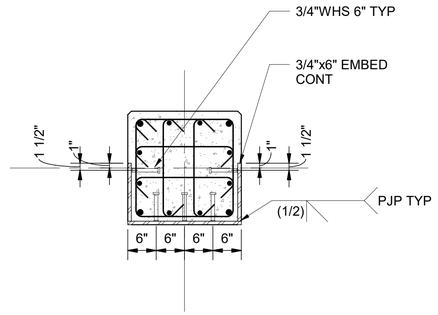
NOTES:

1. SEE ARCH FOR LEDGER ANGLE LOCATION ALONG COL.
2. EMBED PL RUNS FROM FACE TO FACE OF COL. STEP LEDGER ANGLE 3/4" FROM EMBED PL EDGE.

TYPICAL BRICK VENEER LEDGER AT COLUMN

1 / -

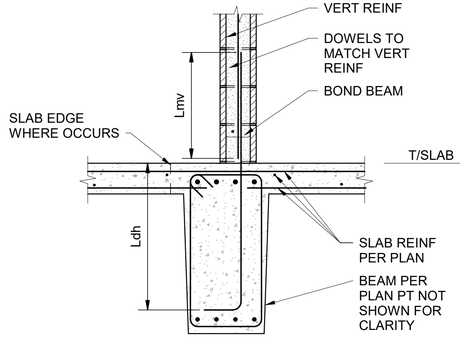
SCALE: NTS



EMBED PLATE AT LEDGER

3 / -

SCALE: NTS



BOTTOM OF WALL AT CONCRETE BEAM

2 / -

SCALE: NTS

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FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	NAS	JDA	SLR	FINAL AS-BUILT

DESIGNED BY: N. SCHWAB
DRAWN BY: M. AGUILING
CHECKED BY: J. ARMENA
APPROVED BY: S. ROBERTS

kpff — SUBMITTED BY: SARA ROBERTS — DATE: 10/26/2022

HENSEL PHELPS Plan. Build. Manage. kpff — REVIEWED BY: GREG SHIMIZU — DATE: 10/26/2022

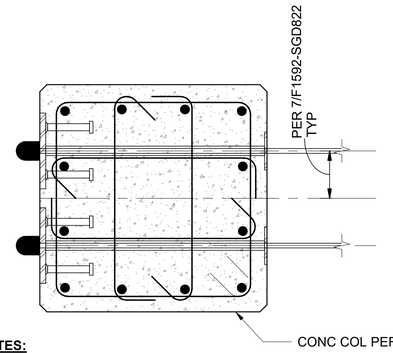
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SOUNDTRANSIT — SUBMITTAL DATE: 10/26/2022

SCALE: AS NOTED
FILENAME: S317-F1592-S_v2020
CONTRACT No.: RTA/CN 0612-18

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
STRUCTURAL
MASONRY DETAILS

DRAWING No.: F1592-SGD702
FACILITY ID: F1592
SHEET No.: 276
REV.: 0



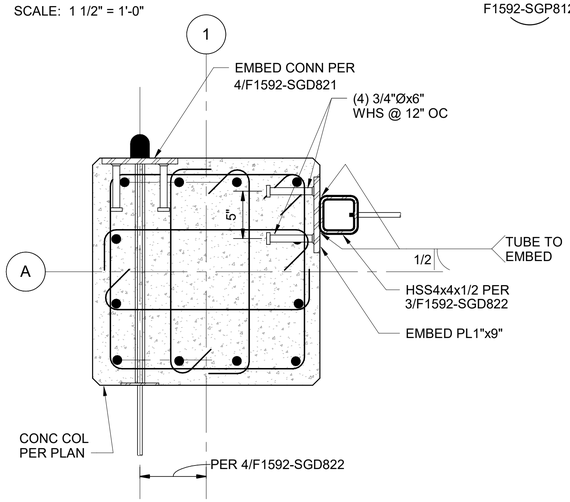
NOTES:

1. FOR INFORMATION NOT SHOWN. SEE 4/F1592-SGD821.
2. CONCTRACTOR OPTION - IT IS STRUCTURALLY ACCEPTABLE TO ONLY HAVE (1) ROW OF WHS AT THE EMBED PLATES WHERE THERE IS ONLY COMPRESSION LOAD.

BARRIER CABLE ANCHORAGE AT COLUMN

1 — F1592-SGP812

SCALE: 1 1/2" = 1'-0"



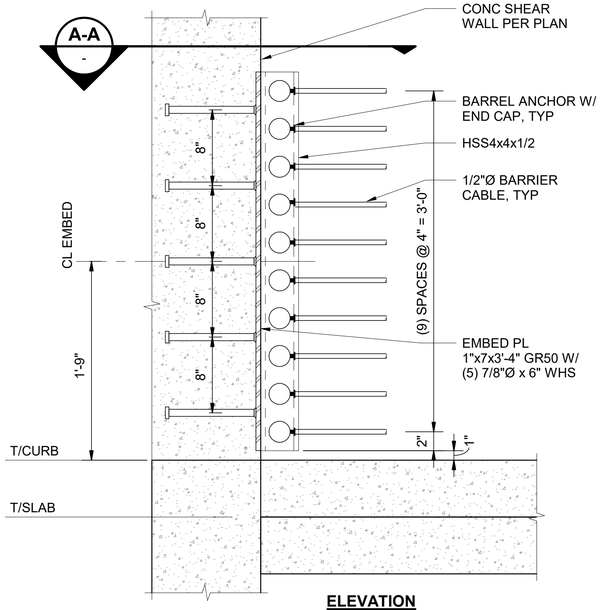
NOTES:

1. STRUCTURALLY ACCEPTABLE FOR WHS, WHERE THE EMBED PLATE IS ONLY IN COMPRESSION WITH RESPECT TO THE CABLE BARRIERS, TO BE OUTSIDE OF THE VERTICAL BAR. STUD (INCLUDING THE HEAD) SHOULD STILL MAINTAIN THE CONCRETE CLEAR COVER REQUIREMENTS FOR COLUMN TIES.
2. CONTRACTOR OPTION TO SHIFT THESE BARS LEFT AND RIGHT PROVIDED THE SPACE BETWEEN THE BARS IS 4"MIN. BARS CANNOT SHIFT UP AND DOWN. DIRECTIONS NOTED RELATIVE TO COLUMN CROSS SECTION.
3. CONTRACTOR OPTION TO SHIFT EMBED PLATES 3/4" MAX INWARDS TO AVOID REINFORCEMENT.

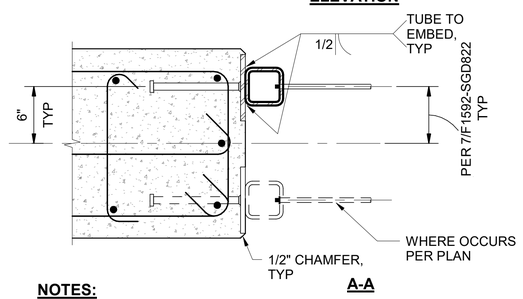
BARRIER CABLE ANCHORAGE AT COLUMN

5 — F1592-SGP812

SCALE: 1 1/2" = 1'-0"



ELEVATION



A-A

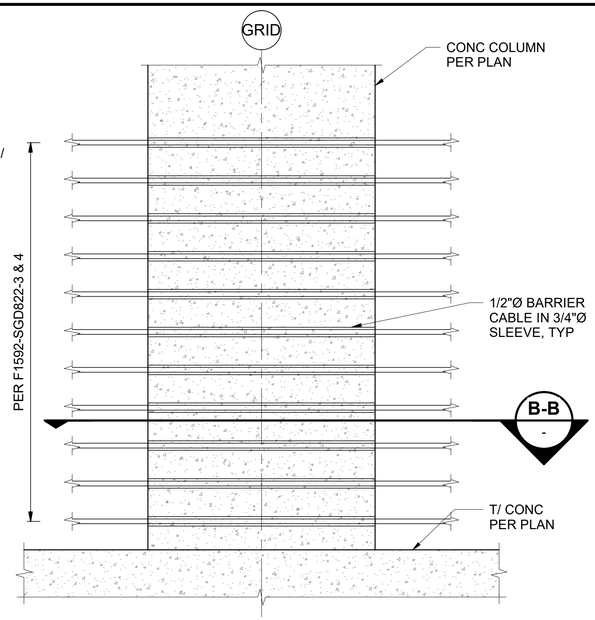
NOTES:

1. SEE 3/F1592-SGD822 FOR ANCHOR END TUBE DETAIL.
2. SEE 6/F1592-SGD821 FOR CONDITIONS WHEN EMBED PLATES WERE NOT SET AT THE CORRECT ELEVATION.
3. CONTRACTOR OPTION TO SHIFT EMBED PLATES 3/4" MAX INWARDS TO AVOID REINFORCEMENT.

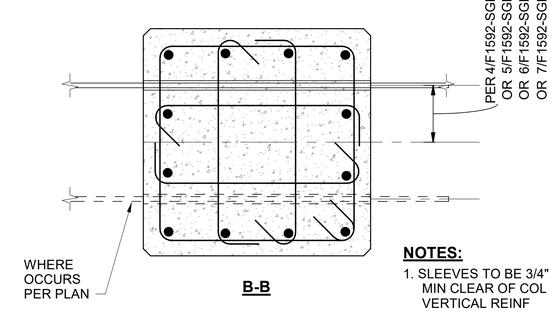
BARRIER CABLE ANCHORAGE AT SHEAR WALL

2 — F1592-SGP811

SCALE: 1 1/2" = 1'-0"



ELEVATION



B-B

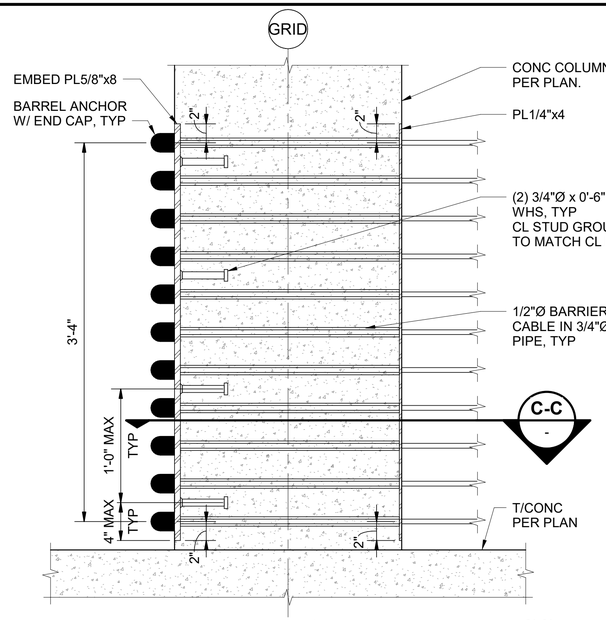
NOTES:

1. SLEEVES TO BE 3/4" MIN CLEAR OF COL VERTICAL REINF

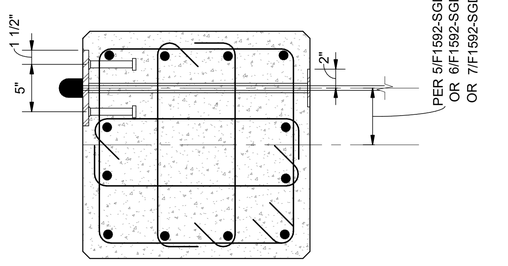
BARRIER CABLE DETAIL AT THROUGH COLUMN

3 — F1592-SGP811

SCALE: 1 1/2" = 1'-0"



ELEVATION



C-C

NOTES:

1. SEE 6/F1592-SGD821 FOR CONDITIONS WHEN EMBED PLATES WERE NOT SET AT THE CORRECT ELEVATION.
2. CONTRACTOR OPTION - IT IS STRUCTURALLY ACCEPTABLE TO ONLY HAVE (1) ROW OF WHS AT THE EMBED PLATES WHERE THERE IS ONLY COMPRESSION LOAD.

BARRIER CABLE ANCHORAGE AT COLUMN

4 — F1592-SGP811

SCALE: 1 1/2" = 1'-0"

NOTES:

1. FOR THE LOCATIONS WHERE THE INCORRECT OFFSET IS LESS THAN 4", IT IS STRUCTURALLY ACCEPTABLE TO OFFSET THE HSS TUBE WITH THE CAST-IN EMBED PLATE AND NOT ADD POST-INSTALLED ANCHORS. UPSIZING TUBE IS ALSO NOT STRUCTURALLY REQUIRED. SEE 2/F1592-SGD821.
2. FOR THE LOCATIONS WHERE THE INCORRECT OFFSET IS BETWEEN 4" AND 8", ADD (1) ADHESIVE THREADED ROD AND UPSIZE THE TUBE TO HSS6X4X1/2. FOR THE LOCATIONS WHERE THE INCORRECT OFFSET IS BETWEEN 8" AND 12", ADD (2) ADHESIVE THREADED ROD AND UPSIZE THE TUBE TO HSS6X4X1/2
3. INSTALL 1/2"X6-1/2" EMBED GR. 55 ADHESIVE THREADED ROD BETWEEN CABLES THAT ARE ABOVE THE EMBED PLATE. USE SIMPSON SET XP (ESR-2508). USE AISC RECOMMENDED WASHERS. CENTER EPOXY ANCHORS ON 4" HSS FACE. AT LOCATIONS WHERE HSS LINES UP WITH AS-BUILT EMBED PLATE, WELD PER 2/F1592-SGD821.
4. NO REINFORCEMENT SHALL BE DAMAGED/DISTURBED DURING INSTALLATION OF THE ADHESIVE THREADED RODS

NOTES FOR WHEN BARRIER CABLE BARRIERS ARE NOT SET AT THE CORRECT ELEVATION (RFI 227/247)

6 — -

SCALE: 1 1/2" = 1'-0"

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	NAS	JDA	SLR	FINAL AS-BUILT

DESIGNED BY:	N. SCHWAB
DRAWN BY:	M. AGUILING
CHECKED BY:	J. ARMENA
APPROVED BY:	S. ROBERTS

kpff

HENSEL PHELPS
Plan. Build. Manage.
kpff

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT

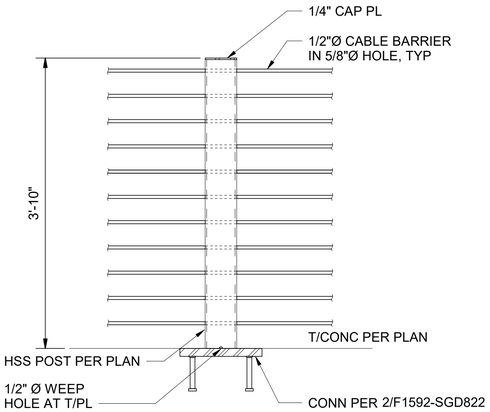
SUBMITTED BY:	DATE:	REVIEWED BY:	DATE:
SARA ROBERTS	10/26/2022	GREG SHIMIZU	10/26/2022

SCALE:	1 1/2" = 1'-0"
FILENAME:	S317-F1592-S_v2020
CONTRACT No.:	RTA/CN 0612-18
SUBMITTAL DATE:	10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
STRUCTURAL
CABLE BARRIER DETAILS

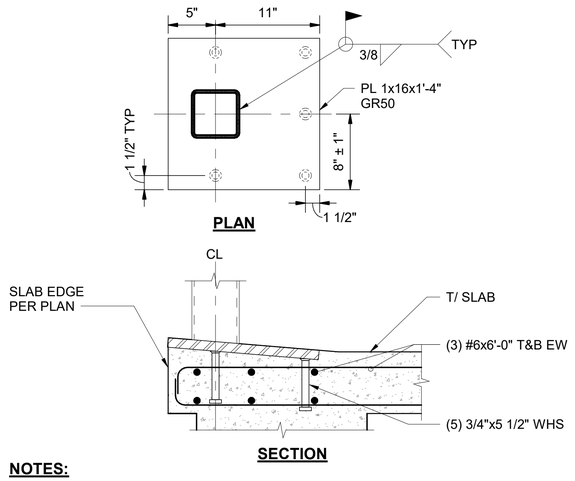
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FACILITY ID:	F1592
SHEET No:	277
REV:	0

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HSS CABLE BARRIER SUPPORT POST DETAIL 1

SCALE: 1" = 1'-0"

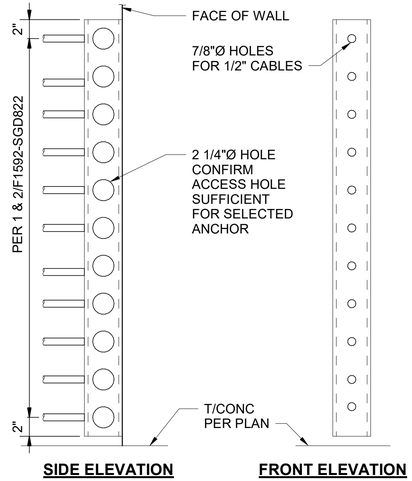


NOTES:

1. SLAB REINFORCING NOT SHOWN FOR CLARITY.

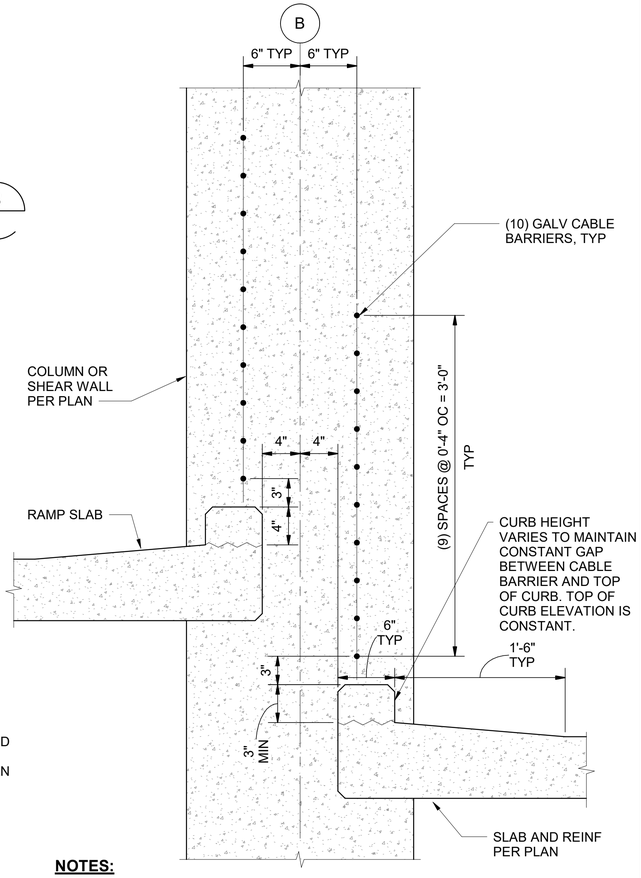
CABLE BARRIER POST CONNECTION DETAIL 2

SCALE: 1 1/2" = 1'-0"



BARRIER CABLE ANCHOR END TUBE DETAIL 3

SCALE: 1 1/2" = 1'-0"



NOTES:

1. DUE TO CABLE BARRIER SLEEVES, THE CONTRACTOR MAY NEED TO ADD ADD'L COLUMN OR SHEAR WALL TIES TO MAINTAIN MINIMUM SPACING INDICATED ON COLUMN SCHEDULE AND IN SHEAR WALL DETAILS.

CABLE BARRIER SECTION AT INTERIOR RAMP 7

SCALE: 1 1/2" = 1'-0"

F1592-SGP811

NOTES:

1. DUE TO CABLE BARRIER SLEEVES, THE CONTRACTOR MAY NEED TO ADD ADD'L COLUMN TIES TO MAINTAIN MINIMUM SPACING INDICATED ON COLUMN SCHEDULE.

CABLE BARRIER SECTION 4

SCALE: 1 1/2" = 1'-0"

F1592-SGP812

NOTES:

1. DUE TO CABLE BARRIER SLEEVES, THE CONTRACTOR MAY NEED TO ADD ADD'L COLUMN TIES TO MAINTAIN MINIMUM SPACING INDICATED ON COLUMN SCHEDULE.

CABLE BARRIER SECTION 5

SCALE: 1 1/2" = 1'-0"

F1592-SGP812

NOTES:

1. DUE TO CABLE BARRIER SLEEVES, THE CONTRACTOR MAY NEED TO ADD ADD'L COLUMN TIES TO MAINTAIN MINIMUM SPACING INDICATED ON COLUMN SCHEDULE.
2. AT THE RAMP TO LEVEL 2 BETWEEN GL 3 AND 5, CABLE BARRIERS ARE TO BE 5" OFFSET FROM GL A (RFI 304).

CABLE BARRIER SECTION 6

SCALE: 1 1/2" = 1'-0"

F1592-SGP812

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	NAS	JDA	SLR	FINAL AS-BUILT

FINAL AS-BUILT

DESIGNED BY: N. SCHWAB
DRAWN BY: M. AGUILING
CHECKED BY: J. ARMENA
APPROVED BY: S. ROBERTS

kpff
SUBMITTED BY: SARA ROBERTS
DATE: 10/26/2022

HENSEL PHELPS Plan. Build. Manage.
kpff
REVIEWED BY: GREG SHIMIZU
DATE: 10/26/2022

LINE IS 1" AT FULL SCALE

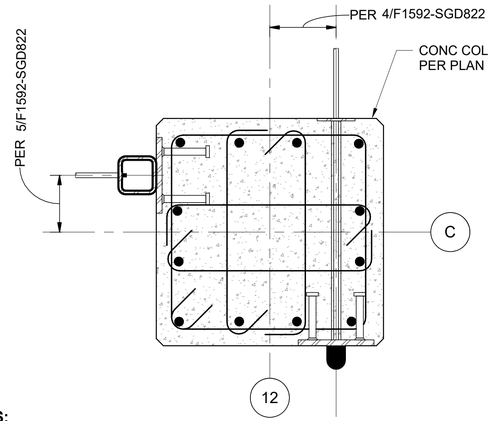
SOUNDTRANSIT
SUBMITTAL DATE: 10/26/2022

SCALE: AS NOTED
FILENAME: S317-F1592-S_v2020
CONTRACT No.: RTA/CN 0612-18

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
STRUCTURAL
CABLE BARRIER DETAILS

DRAWING No.: F1592-SGD822
FACILITY ID: F1592
SHEET No.: 278
REV.: 0

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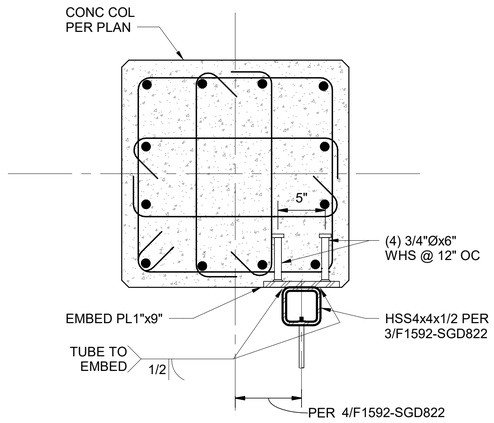


NOTES:

1. FOR INFORMATION NOT SHOWN, SEE 5/F1592-SGD821

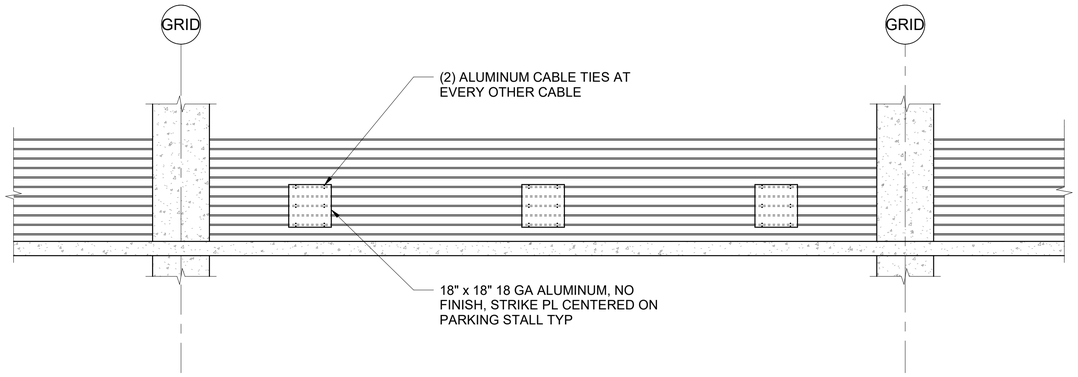
BARRIER CABLE ANCHORAGE AT COLUMN — 1 — F1592-SGP812

SCALE: 1 1/2" = 1'-0"



BARRIER CABLE ANCHORAGE AT COLUMN — 2 — F1592-SGP812

SCALE: 1 1/2" = 1'-0"



TYPICAL CABLE BARRIER ELEVATION — 3 — -

SCALE: 3/8" = 1'-0"

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FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	NAS	JDA	SLR	FINAL AS-BUILT

DESIGNED BY: N. SCHWAB
DRAWN BY: M. AGUILING
CHECKED BY: J. ARMENA
APPROVED BY: S. ROBERTS

kpff

HENSEL PHELPS
Plan. Build. Manage.
kpff

LINE IS 1" AT FULL SCALE

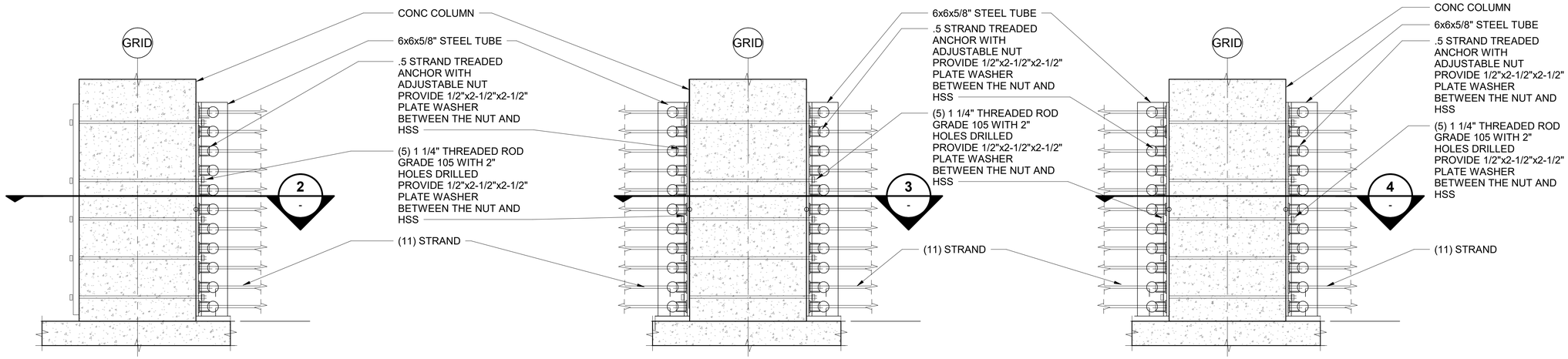
SOUNDTRANSIT

SUBMITTED BY: SARA ROBERTS
DATE: 10/26/2022
REVIEWED BY: GREG SHIMIZU
DATE: 10/26/2022

SCALE: AS NOTED
FILENAME: S317-F1592-S_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
STRUCTURAL
CABLE BARRIER DETAILS

DRAWING No.: **F1592-SGD823**
FACILITY ID: F1592
SHEET No: 279
REV: 0



ELEVATION

ELEVATION

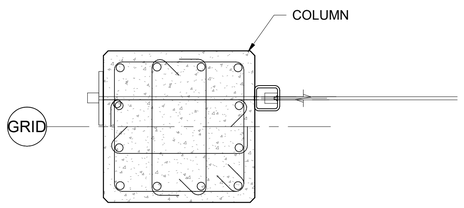
ELEVATION

PT SOLUTION FIX FOR NCR-06

SCALE: 1" = 1'-0"

1

F1592-SGP811

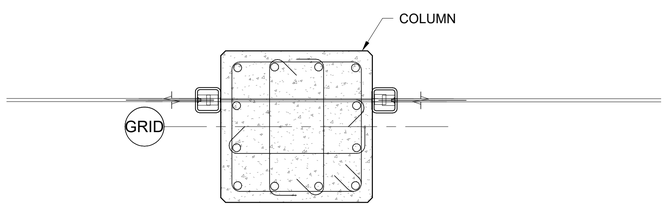


PT SOLUTION FIX FOR NCR-06

SCALE: 1" = 1'-0"

2

-

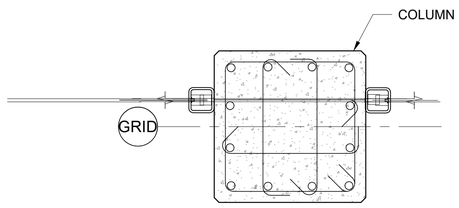


PT SOLUTION FIX FOR NCR-06

SCALE: 1" = 1'-0"

3

-



PT SOLUTION FIX FOR NCR-06

SCALE: 1" = 1'-0"

4

-

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	NAS	JDA	SLR	FINAL AS-BUILT

DESIGNED BY: N. SCHWAB
DRAWN BY: M. AGUILING
CHECKED BY: J. ARMENA
APPROVED BY: S. ROBERTS

kpff

HENSEL PHELPS Plan. Build. Manage.

kpff

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT

SUBMITTED BY: SARA ROBERTS
DATE: 10/26/2022
REVIEWED BY: GREG SHIMIZU
DATE: 10/26/2022

SCALE: AS NOTED
FILENAME: S317-F1592-S_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
STRUCTURAL
CABLE BARRIER DETAILS

DRAWING No.: F1592-SGD824
FACILITY ID: F1592
SHEET No: 280
REV: 0

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CODE SECTION	DESCRIPTION	
	GARAGE SITE	EAST ABUTMENT SITE
PER CITY OF PUYALLUP FUTURE LAND USE MAP	AOC - AUTO ORIENTED COMMERCIAL	POC- PEDESTRIAN ORIENTED COMMERCIAL
20.05.045 PROPERTIES DIVIDED BY ZONE BOUNDARY.	WHERE A ZONE BOUNDARY LINE DIVIDES A SINGLE LOT OR ABUTTING LOTS OF COMMON OWNERSHIP COMPRISING A SINGLE PROPERTY, A CONDITIONAL USE PERMIT PURSUANT TO CHAPTER 20.80 PMC MAY BE GRANTED TO PERMIT IN ALL PORTIONS OF SAID PROPERTY THAT ARE WITHIN 150 FEET OF THE SAID BOUNDARY, ANY USE PERMITTED IN THE ZONE LYING ACROSS SAID BOUNDARY ON SAID PROPERTY. UNDER SUCH A CONDITIONAL USE PERMIT, ANY SETBACKS OR OTHER BUFFERS BETWEEN ZONE DISTRICTS AS OTHERWISE REQUIRED UNDER THIS TITLE SHALL BE PROVIDED BETWEEN THE CONDITIONALLY PERMITTED USE AND ANY APPLICABLE ADJACENT PROPERTIES.	
20.30.001 C ZONES	**THE SITE IS LOCATED IN THE CG - GENERAL COMMERCIAL ZONE**	**THE SITE IS LOCATED IN THE THE CBD - CENTRAL BUSINESS DISTRICT**
20.30.005 DESCRIPTION AND PURPOSE.	OFFICE USES, RETAIL STORES, SERVICE ESTABLISHMENTS, AND WHOLESALE BUSINESSES OFFERING COMMODITIES AND SERVICES REQUIRED BY RESIDENTS OF THE CITY AND ITS SURROUNDING MARKET AREA. IN ADDITION TO THIS INTENT, EACH C ZONE HAS ITS OWN SPECIFIC AND UNIQUE INTENT AS FOLLOWS:	
CG - GENERAL COMMERCIAL	THE CG ZONE IS INTENDED TO PROVIDE FOR RETAILING AND OTHER COMMERCIAL SERVICES THAT SERVE THE LARGE MARKET AREA SURROUNDING THE PUYALLUP COMMUNITY. SUCH COMMERCIAL DEVELOPMENTS USUALLY RELY UPON THE AUTOMOBILE AS THEIR PRINCIPAL SOURCE OF ACCESS. IN CONTRAST TO THE CB ZONE, SOME USES IN THE CG ZONE MAY REQUIRE LARGE TRACTS OF LAND AND INVOLVE OUTDOOR DISPLAY OF PRODUCTS FOR SALE (SUCH AS AUTOMOBILE SALES). THE CG ZONE IS ALSO INTENDED TO ALLOW SOME USES WHICH ARE QUASI-LIGHT INDUSTRIAL IN CHARACTER.	CBD-CORE CENTRAL BUSINESS DISTRICT CORE ZONE INTENT AND PURPOSE. THE INTENT AND PURPOSE OF THE CBD-CORE ZONE IS TO FOCUS CIVIC, COMMERCIAL, ENTERTAINMENT, CULTURAL AND URBAN RESIDENTIAL USES INTO AN INTENSE, COMPACT, WALKABLE AREA SERVED BY PUBLIC TRANSIT. THE ZONE AND ANY DEVELOPMENT STANDARDS OR GUIDELINES APPLICABLE TO SUCH ZONE SHOULD BE LIBERALLY CONSTRUED TO ENHANCE OPPORTUNITIES FOR SIGNIFICANT AND CONCENTRATED GROWTH OF OFFICE SPACE, COMMERCIAL SPACE, AND RESIDENTIAL PROJECTS IN THE CITY CORE IN ORDER TO ACHIEVE INCREASED ECONOMIC AND URBAN ACTIVITY LEVELS WITHIN THE ZONE, WHERE PUBLIC TRANSIT AND CIVIC AMENITIES ARE MORE AVAILABLE AND CONCENTRATED. THIS ZONE IS SPECIFICALLY INTENDED TO PERMIT HIGHER DENSITY, LARGER, AND TALLER BUILDINGS IN ORDER TO DEVELOP THE CITY'S CORE AS A REGIONAL CENTER WITH OPPORTUNITIES FOR HIGH DENSITY RESIDENTIAL USES, UNIQUE VISTAS OF PUBLIC SPACES, NEARBY AMENITIES SUCH AS RECREATIONAL AND SHOPPING OPPORTUNITIES, OR ACCESS TO COMMUTER RAIL AND OTHER TRANSIT.
20.30.010 PERMITTED USES AND CONDITIONALLY PERMITTED USES	PUBLIC PARKING GARAGE FACILITIES ARE CONSIDERED "COMMUNITY FACILITY USE" PER 20.15.005 WORDS AND PHRASES DEFINED. COMMUNITY FACILITY USES ARE CONDITIONALLY PERMITTED IN THE GC AND CBD ZONES.	
DEVELOPMET AGREEMENT RECITAL J	SOUND TRANSIT IS PROCEEDING TO DESIGN AND BUILD THE PROJECT, AND WILL SEEK VARIOUS LAND USE, ADMINISTRATIVE AND RIGHT-OF-WAY APPROVALS FOR CONSTRUCTION AND OPERATION OF THE PROJECT WITHIN THE CITY. IN RECOGNITION OF THE MULTIPLE DEVELOPMENT PERMITS AND SEPARATE REVIEW PROCESSES, AND THE CONTINUING POTENTIAL FOR CONFLICT, OVERLAP AND DUPLICATION BETWEEN SUCH PROCESSES, THE CITY AND SOUND TRANSIT DESIRE TO CONSOLIDATE PERMIT REVIEW PROCESSES FOR THE BENEFIT OF BOTH PARTIES AND THE PUBLIC PURSUANT TO THE DEVELOPMENT AGREEMENT AUTHORITY PROVIDED IN RCW 36. 70B.170-.210 AND CHAPTER 1.15 PMC. CITY COUNCIL APPROVAL OF THIS DA WOULD REPLACE THE CITY HEARING EXAMINER'S NORMAL ROLE IN ACTING UPON THE OTHERWISE-REQUIRED CUP AND VARIANCES FOR ANY ISSUE THAT IS ADDRESSED IN THIS AGREEMENT. ANY ISSUE NOT ADDRESSED IN THIS AGREEMENT SHALL BE SUBJECT TO NORMAL PROCESSES AND APPROVALS AS PROVIDED IN PUYALLUP MUNICIPAL CODE AND CITY DESIGN STANDARDS. IN ADDITION, THE CITY RECOGNIZES THE PUBLIC BENEFITS THAT WILL ACCRUE TO THE CITY AND COMMUNITY FROM REDEVELOPMENT OF THE PROPERTY FOR THE PROJECT. PUBLIC BENEFITS OF THE PROJECT INCLUDE IMPROVED ACCESS TO THE EXISTING SOUNDER PUYALLUP STATION FOR DRIVERS, PEDESTRIANS, AND BICYCLISTS. THE PROJECT PROVIDES A NEW SURFACE PARKING AREA OF APPROXIMATELY 165 SPACES AND A NEW GARAGE INCLUDING APPROXIMATELY 500 PARKING SPACES (FOR A TOTAL OF APPROXIMATELY 1,031 SPACES IN THE IMMEDIATE STATION AREA. ADDITIONAL PARKING IS AVAILABLE VIA BUS SERVICE.) THAT BENEFIT THE TRANSIT RIDERS WHO TRAVEL FROM THE REGION TO ACCESS THE SOUNDER SYSTEM. FOR THOSE RIDERS WHO ACCESS THE STATION BY BICYCLE OR BY FOOT, NON-MOTORIZED IMPROVEMENTS - INCLUDING SIDEWALKS, PEDESTRIAN LIGHTING, AND BICYCLE IMPROVEMENTS WILL BE CONSTRUCTED. THE NON-MOTORIZED IMPROVEMENTS ARE ALSO A BENEFIT TO THOSE WHO LIVE AND WORK IN THE IMMEDIATE AREA.	
20.30.030 PROPERTY DEVELOPMENT STANDARDS – C ZONES	MINIMUM LOT WIDTH: 50' MINIMUM LOT DEPTH: 100' MINIMUM FRONT YARD SETBACK: DEPARTURE ALLOWED PER DA 5.5 MINIMUM REAR YARD SETBACK: 0' MINIMUM INTERIOR SIDE YARD SETBACK: 0' MINIMUM STREET SIDE YARD SETBACK: DEPARTURE ALLOWED PER DA 5.5 MINIMUM STREET FRONTAGE: DEPARTURE ALLOWED PER DA 5.5 MAXIMUM LOT COVERAGE: 75% BASE BUILDING HEIGHT: DEPARTURE ALLOWED PER DA 5.5 MAXIMUM BUILDING HEIGHT, WITH BONUSES (SEE PMC 20.30.032): 75' (SIX STORIES MAX) MAXIMUM FLOOR AREA RATIO: 4.0	MINIMUM LOT WIDTH: 30' MINIMUM LOT DEPTH: 70' MINIMUM FRONT YARD SETBACK: DEPARTURE ALLOWED PER DA 5.5 MINIMUM REAR YARD SETBACK: 0' MINIMUM INTERIOR SIDE YARD SETBACK: 0' MINIMUM STREET SIDE YARD SETBACK: 0' MINIMUM STREET FRONTAGE: DEPARTURE ALLOWED PER DA 5.5 MAXIMUM LOT COVERAGE: 100% BASE BUILDING HEIGHT: DEPARTURE ALLOWED PER DA 5.5 MAXIMUM BUILDING HEIGHT, WITH BONUSES (SEE PMC 20.30.032): 55' (FIVE STORIES MAX) MAXIMUM FLOOR AREA RATIO: 2.75 RESIDENTIAL; 2.0 OFFICE MINIMUM GROUND FLOOR HEIGHT IN PLANNED ACTION AREA: 14'

CODE SECTION	DESCRIPTION	
	GARAGE SITE	EAST ABUTMENT SITE
DEVELOPMENT AGREEMENT 5.5	THE CITY HAS DETERMINED THAT THE PROJECT IS GENERALLY CONSISTENT WITH THE COMPREHENSIVE PLAN AND DEVELOPMENT REGULATIONS. SO LONG AS THE PROJECT IS DEVELOPED CONSISTENT WITH APPROPRIATE CITY PERMIT APPROVALS AND THIS AGREEMENT, THE PUBLIC HEALTH, INTEREST, AND WELFARE ARE ADEQUATELY PROTECTED WITHIN THE BOUNDS OF THE LAW. THEREFORE, THE CITY IS ALLOWING DEPARTURES (VARIANCES) FROM DEVELOPMENT REGULATIONS BECAUSE THE PROJECT WILL BE PROVIDING A BENEFIT TO THE CITY OF AN EQUAL OR GREATER VALUE RELATIVE TO THE STANDARDS FROM WHICH DEPARTURE IS BEING ALLOWED. THE CITY HEREBY ALLOWS DEPARTURES FROM THE STANDARDS, AS FOLLOWS: A) BUILDING HEIGHT/NUMBER OF STORIES UP TO A FIVE-LEVEL GARAGE AS AGREED TO BASED ON SOUND TRANSIT DEMONSTRATING ADEQUATE TRAFFIC MITIGATION (SECTION 20.30.030) B) FRONT AND SIDE YARD SETBACKS. FRONT SETBACK AT 2ND AVENUE WEST PROPOSED AT 2FT, A DEPARTURE FROM THE 20 FT REQUIREMENT DUE TO ADEQUATE LANDSCAPING ON PUBLIC PROPERTY (SECTION 20.30.030) C) REQUIRED PERIMETER LANDSCAPING OF 6' MINIMUM. SOUTH SIDE: 7.5' (2' ON PRIVATE PROPERTY, 5.5' ON PUBLIC PROPERTY). NORTH SIDE: VARIES 0' (ABUTING RAILROAD PROPERTY) EAST SIDE: 10.5' (ALL ON PRIVATE PROPERTY) AND WEST SIDE: 10.5' (ALL ON PUBLIC PROPERT) SECTION 20.58 D) PARKING DIMENSIONS. IN THE CONCEPTUAL ENGINEERING REPORT, SOUND TRANSIT PROPOSES STANDARD STALLS AT 8'-6" X 18' WITH 23' AISLES EXCEPT AT END BAYS, AND AT SURFACE PARKING 9'X21' WITH 16' ONE-WAY DRIVE. (SECTION 20.55)	
DEVELOPMENT AGREEMENT 5.6	THE PROJECT IS LOCATED IN THE CG (GENERAL COMMERCIAL) ZONE AND OUTSIDE THE CENTRAL BUSINESS DISTRICT (CBD), THEREFORE THE CITY OF PUYALLUP DOWNTOWN DESIGN GUIDELINES (ORDINANCE 2851) DO NOT APPLY. SOUND TRANSIT AGREES TO INCLUDE THE DOWNTOWN DESIGN GUIDELINES IN THE DESIGN-BUILD PROJECT REQUIREMENTS AND WILL COMPLY WITH THE DESIGN GUIDELINES. THOSE PORTIONS OF THE DESIGN GUIDELINES THAT THE PARTIES HAVE AGREED WILL NOT APPLY TO THE PROJECT AS OUTLINED IN EXHIBIT G, ATTACHED AND INCORPORATED HEREIN.	
DEVELOPMENT AGREEMENT 5.7	THE CITY AND SOUND TRANSIT AGREE THE PROJECT WILL NOT INCLUDE A RETAIL COMPONENT. THE PROJECT DESIGN WILL INCORPORATE ELEMENTS, SUCH AS SCREENING PARKED CARS AND ENHANCING PEDESTRIAN ACTIVITY/SAFETY.	
20.30.031 MAXIMUM FRONT YARD SETBACK IN THE CBD AND CBD-CORE ZONES		BUILDING SHALL BE LOCATED ON THE FRONT SETBACK LINE (I.E., A ZERO-FOOT FRONT YARD SETBACK) BUT MAY BE SET BACK FAR ENOUGH TO INCORPORATE ONE OR A COMBINATION OF THE FOLLOWING SITE AMENITIES: 1. PEDESTRIAN-ORIENTED PLAZA IN AREA INCORPORATED INTO A NICHE OR RECESS IN THE BUILDING'S FRONT FACADE WHEN CONSISTENT WITH PMC 2. A PEDESTRIAN-ORIENTED PLAZA SPACE IN FRONT OF THE BUILDING AT LEAST EIGHT FEET DEEP RUNNING THE FULL WIDTH OF THE BUILDING WHEN CONSISTENT WITH PMC 20.30.033 3.A LANDSCAPE STRIP AT LEAST FOUR FEET WIDE AND NO GREATER THAN EIGHT FEET WIDE LOCATED BETWEEN THE SIDEWALK AND THE BUILDING EDGE.
20.30.032 MAXIMUM BUILDING HEIGHT IN C ZONES	(2) IN THE CBD ZONE, THE BASE BUILDING HEIGHT SHALL BE 35 FEET AND THREE STORIES, EXCEPT THAT THE HEIGHT MAY BE INCREASED TO 55 FEET AND FIVE STORIES SUBJECT TO THE REQUIREMENTS AND BONUS CRITERIA DESCRIBED BELOW. (3) IN ORDER TO ACHIEVE A BUILDING HEIGHT GREATER THAN THE BASE HEIGHT OF 35 FEET AND THREE STORIES IN THE CBD ZONE OR 40 FEET AND FOUR STORIES IN THE CBD-CORE ZONE, THOSE BUILDINGS NOT DIRECTLY ABUTTING ANY RESIDENTIALLY ZONED PROPERTY LOCATED OUTSIDE OF THE DOWNTOWN PLANNED ACTION AREA NOR ABUTTING ANY PROPERTY LISTED ON A NATIONAL HISTORIC REGISTER SHALL BE ELIGIBLE FOR ONE OR MORE OF THE HEIGHT BONUSES DESCRIBED BY SUBSECTIONS (1)(A) THROUGH (1)(E) OF THIS SECTION, SUBJECT TO THE MAXIMUM BONUS PROVISIONS OF SUBSECTION (3)(F) OF THIS SECTION: (A) WHERE PARKING IS PROVIDED WITHIN A BUILDING, AND WHERE SUCH PARKING AREA IS EQUAL TO OR EXCEEDS 60 PERCENT OF THE AREA OF THE BUILDING'S FOOTPRINT, A BUILDING HEIGHT BONUS OF ONE STORY SHALL BE PERMITTED. (E) A BUILDING HEIGHT BONUS OF UP TO ONE STORY SHALL BE ALLOWED FOR BUILDINGS WHICH PROVIDE A PEDESTRIAN-ORIENTED PLAZA SPACE ALONG WITH PRINCIPAL STREET FRONTAGE WHERE SUCH PLAZA SPACE IS NOT OTHERWISE REQUIRED AND WHERE SUCH PLAZAS PROVIDE AN AREA AND AMENITIES CONSISTENT WITH PMC 20.30.033. (F) THE SUM OF BUILDING HEIGHT BONUSES PROVIDED UNDER SUBSECTIONS (1)(A) THROUGH (1)(E) OF THIS SECTION SHALL NOT EXCEED TWO ADDITIONAL STORIES ABOVE THE BASE BUILDING HEIGHT ALLOWANCE IN THE CBD ZONE. ROOFTOP MECHANICAL EQUIPMENT, INCLUDING ELEVATOR PENTHOUSES, PARAPETS, ROOF FORMS AND DECORATIVE ELEMENTS NOT INTENDED FOR OCCUPANCY, SHALL BE EXCLUDED FROM THE TOTAL STRUCTURAL HEIGHT IN THESE ZONES WHERE SUCH FEATURES ARE SCREENED OR INSTALLED CONSISTENT WITH APPLICABLE DESIGN STANDARDS. ALL STRUCTURES SHALL CONFORM TO THE BUILDING DESIGN STANDARDS IN THE DOWNTOWN DESIGN GUIDELINES. (4) CB AND CG ZONES. BUILDING HEIGHTS SHALL BE MEASURED IN ACCORDANCE WITH THE BUILDING HEIGHT DEFINITION OF CHAPTER 20.15 PMC. BUILDINGS IN THE CB AND CG ZONES MAY BE BUILT TO A MAXIMUM OF FIVE STORIES, OR THE BASE BUILDING HEIGHT MEASURED IN FEET AS STIPULATED IN TABLE 20.30.030(11), WHEN BUILT UTILIZING THE SETBACK STANDARD OF PMC 20.30.037(2)(C) (12-FOOT FRONT/STREET SIDE YARD SETBACK, WITH OPTIONS UNDER PMC 20.30.037(2)(C)(II) AVAILABLE). BUILDINGS ELIGIBLE TO UTILIZE THE FOLLOWING HEIGHT BONUSES TO EXCEED THE BASE BUILDING HEIGHT IN THE CB OR CG ZONE (SEE PMC 20.30.030(11) FOR BASE HEIGHTS) SHALL BE BUILT UTILIZING THE SETBACK STANDARD OF PMC 20.30.037(2)(C)(I) (20-FOOT FRONT/STREET SIDE YARD SETBACK REQUIRED). (A) IN ORDER TO ACHIEVE A BUILDING HEIGHT GREATER THAN THAT OTHERWISE PERMITTED UNDER THIS SECTION, THOSE BUILDINGS LOCATED 500 FEET OR FURTHER FROM ANY RESIDENTIALLY ZONED PROPERTY SHALL BE ELIGIBLE FOR ONE OR MORE OF THE FOLLOWING HEIGHT BONUSES, SUBJECT TO THE MAXIMUM BONUS PROVISIONS OF PMC 20.30.030(12): (I) WHERE PARKING IS PROVIDED WITHIN A BUILDING, AND WHERE SUCH PARKING AREA IS EQUAL TO OR EXCEEDS 60 PERCENT OF THE AREA OF THE BUILDING'S FOOTPRINT, A BUILDING BONUS OF ONE STORY SHALL BE PERMITTED. (5) WITHIN THE DOWNTOWN PLANNED ACTION AREA, THE DIRECTOR MAY WAIVE THE LIMITATION ON THE NUMBER OF STORIES; PROVIDED, THAT THE MAXIMUM HEIGHT OF THE ZONE IS RESPECTED.	

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FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	CD	PC	BC	FINAL AS-BUILT

DESIGNED BY: C. DOMINGUEZ
DRAWN BY: M. BRYANT/ N. SMITH
CHECKED BY: P. CHUBB
APPROVED BY: B. CONNOLLY

MITHŪN
SUBMITTED BY: SARA ROBERTS
DATE: 10/26/2022

HENSEL PHELPS Plan. Build. Manage.
kpff
REVIEWED BY: GREG SHIMIZU
DATE: 10/26/2022

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT
SCALE: NTS
FILENAME: S317-F1592-A_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
ARCHITECTURAL
ZONING CODE SUMMARY

DRAWING No.: F1592-AZN001
FACILITY ID: F1592
SHEET No.: 281
REV.: 0

CODE SECTION	DESCRIPTION	
	GARAGE SITE	EAST ABUTMENT SITE
20.30.036 PARKING LOTS IN THE CBD ZONE.		(1) PARKING LOTS SHALL NOT BE LOCATED BETWEEN THE STREET AND THE BUILDING ON THE SUBJECT PROPERTY UNLESS NO OTHER FEASIBLE ALTERNATIVE EXISTS. (2) PARKING LOTS MUST COMPLY WITH THE FOLLOWING STANDARDS: (A) THE MAXIMUM WIDTH OF THE PARKING LOT WITHIN 20 FEET OF THE STREET MAY NOT EXCEED THE LESSER OF 64 FEET OR 75 PERCENT OF THE FRONTAGE OF THE SUBJECT PROPERTY. (B) IF A PROPERTY ABUTS TWO OR MORE STREETS, THE PARKING LOT MAY BE WITHIN 20 FEET OF ONLY ONE STREET. (C) EACH SIDE OF A PARKING LOT WHICH ABUTS A STREET MUST BE SCREENED FROM THAT STREET USING ONE OR A COMBINATION OF THE FOLLOWING METHODS: (I) INSTALLATION OF A COMPACT EVERGREEN HEDGE OR WALL EXTENDING AT LEAST TWO FEET, SIX INCHES, AND NOT MORE THAN THREE FEET ABOVE THE GROUND DIRECTLY BELOW IT. A CONTINUOUS TRELLIS OR GRILLWORK MAY BE CONSTRUCTED ABOVE THE HEDGE OR WALL TO A MAXIMUM HEIGHT OF SIX FEET; (II) PROVISION OF A LANDSCAPED STRIP AT LEAST FIVE FEET IN WIDTH AND CONTAINING TREES; AND/OR (III) USE OF EXISTING VEGETATION WITH TREES SUFFICIENT FOR PERIMETER PARKING LOT LANDSCAPING. (ORD. 2563 § 1, 1998; ORD. 2454 § 1, 1995)
20.30.037 SITE PLAN DESIGN PRINCIPLES IN CL, CG AND CB ZONES	(1) PARKING AREA LOCATION. THE MAXIMUM WIDTH OF A PARKING LOT FRONTING ON A PUBLIC STREET SHALL NOT EXCEED 64 FEET OR 50 PERCENT OF THE SUBJECT SITE FRONTAGE, WHICHEVER IS GREATER, TO THE EXTENT FEASIBLE (2) STREET ORIENTATION FOR NEW BUILDINGS AND SITE DEVELOPMENT. ALL SITE DEVELOPMENTS SHALL UTILIZE THE FOLLOWING STANDARDS IN PREPARING SITE PLAN LAYOUTS A. FOR DEVELOPMENTS OUTSIDE OF THE DOWNTOWN PLANNED ACTION AREA, A PEDESTRIAN-ORIENTED PLAZA SPACE IN FRONT OF THE BUILDING AT LEAST EIGHT FEET DEEP RUNNING THE FULL WIDTH OF THE BUILDING. THIS AREA SHALL BE COVERED BY AWNINGS COVERING AT LEAST SIX FEET OF THE PLAZA SPACE. THIS PLAZA SPACE SHALL INCLUDE AMENITIES SUCH AS BIKE PARKING, BENCH SEATING, PLANTERS, FOUNTAINS, ARTWORK, DECORATIVE RAILING, DECORATIVE LIGHT FIXTURES, HANGING BASKETS OR OTHER FEATURES THAT ARE PEDESTRIAN SCALED IN NATURE	

CODE SECTION	DESCRIPTION	
	GARAGE SITE	EAST ABUTMENT SITE
20.30.037 SITE PLAN DESIGN PRINCIPLES IN CL, CG AND CB ZONES	B. BUILDINGS ON STREET CORNERS SHALL LOCATE THE MAIN ENTRYWAY WITH A PLAZA SPACE (200 SQUARE FEET MINIMUM) AT OR NEAR (50 LINEAL FOOT MAXIMUM) THE BUILDING CORNER, OR ESTABLISH A DEFINED PATH (12-FOOT WIDTH MINIMUM) LEADING FROM THE PUBLIC RIGHT-OF-WAY DIRECTLY TO BUILDING ENTRIES USING DECORATIVE/STAMPED PAVING C. NEW BUILDINGS SHALL BE BUILT 12 FEET FROM THE ABUTTING FRONT YARD AND STREET SIDE YARD RIGHT-OF-WAY TO IMPROVE PEDESTRIAN ORIENTATION AND OVERALL BUILDING DESIGN. BUILDINGS MAY DEVIATE FROM THIS SETBACK UNDER THE FOLLOWING CONDITIONS: (I) BUILDINGS MAY BE SET BACK TO A MAXIMUM OF 20 FEET TO ACCOMMODATE AN EIGHT-FOOT PLAZA SPACE AS REQUIRED BY SUBSECTION (2)(A) OF THIS SECTION (I) OPTIONALLY, THE PEDESTRIAN PLAZA SPACE MAY PROJECT INTO THE REQUIRED FRONT OR STREET SIDE YARD LANDSCAPE BUFFER (AS REQUIRED UNDER PMC 20.58.005(2)) BY A MAXIMUM OF FOUR FEET; CORNER PLAZA SPACES OR OUTDOOR CAFES MAY PROJECT INTO THE REQUIRED LANDSCAPE BUFFER BY A MAXIMUM OF SIX FEET.	
	(D) SITE DEVELOPMENT PLANS SHALL BE DESIGNED SO THAT, TO THE GREATEST EXTENT FEASIBLE, BUILDINGS AND BUILDING ENTRIES ARE AT STREET LEVEL AND NOT ELEVATED BY RETAINING WALLS, PARTICULARLY ON SIDES OF BUILDINGS WHERE AN ENTRYWAY IS ORIENTED TOWARD THE ABUTTING RIGHT-OF-WAY.	
20.30.045 PERFORMANCE STANDARDS – C ZONES.	(10) WITHIN THE C ZONES, NO FENCE GREATER THAN THREE AND ONE-HALF FEET IN HEIGHT MAY ENCROACH WITHIN THE PRESCRIBED FRONT AND STREET SIDE YARD SETBACKS. CORNICES, SILLS, EAVES, PROJECTIONS, AND AWNINGS WITHOUT ENCLOSING WALLS OR SCREENING MAY PROJECT INTO A REQUIRED YARD BUT NOT MORE THAN TWO FEET. (12) PEDESTRIAN ACCESS AND CIRCULATION. PEDESTRIAN WALKWAYS SHALL BE CONSTRUCTED TO PROVIDE SAFE, CONVENIENT AND DIRECT ACCESS BETWEEN BUILDING ENTRANCES, TRANSIT FACILITIES, PASSENGER LOADING AREAS, PUBLIC SIDEWALKS, ADJACENT PROPERTIES AND PEDESTRIAN PLAZAS. ALL PARKING LOTS WHICH CONTAIN MORE THAN 90,000 SQUARE FEET OF PAVED AREA INCLUDING DRIVEWAYS AND TRAFFIC AISLES SHALL INCLUDE CLEARLY DEFINED PEDESTRIAN ROUTES FROM PARKING STALLS TO MAIN BUILDING ENTRANCES. ALL REQUIRED WALKWAYS SHALL MEET THE FOLLOWING MINIMUM REQUIREMENTS: (A) ALL WALKWAYS SHALL BE A MINIMUM OF FIVE FEET WIDE WITH NO ENCROACHMENTS (VEHICLE OVERHANGS, DISPLAYS, ETC.) PERMITTED; (B) ALL WALKWAYS SHALL BE HANDICAPPED ACCESSIBLE AND COMPLY WITH THE WASHINGTON STATE BARRIER FREE DESIGN STANDARDS (C) ALL WALKWAYS SHALL BE DELINEATED BY PAINTED MARKINGS, DISTINCTIVE PAVEMENT, OR BY BEING RAISED A MINIMUM OF SIX INCHES ABOVE THE PARKING LOT PAVEMENT; (D) WALKWAYS WITHIN PARKING LOTS SHALL BE LOCATED ALONG MAJOR ACCESS CORRIDORS (PRIMARY DRIVEWAY ENTRANCES BETWEEN PRIMARY BUILDING ENTRANCES, ETC.) (E) WALKWAYS WITHIN PARKING LOTS SHALL BE INTEGRATED INTO INTERIOR LANDSCAPE AREAS, WHENEVER POSSIBLE, TO SEPARATE PEDESTRIAN ACCESS AND VEHICULAR TRAVEL ROUTES.	

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PUYALLUP STATION PARKING
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ZONING CODE SUMMARY

DRAWING No.: F1592-AZN002
FACILITY ID: F1592
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APPLICABLE BUILDING CODES		
BUILDING CODE		2015 WASHINGTON STATE BUILDING CODE
SECTION TITLE	**REFERENCE**	**REQUIREMENTS AND COMPLIANCE NOTES**
OCCUPANCY CLASSIFICATIONS	**CHAPTER 3**	
ASSOCIATED WITH GROUP S-2 OCCUPANCIES	311.3	PARKING GARAGES, OPEN OR ENCLOSED
SPECIAL DETAILED REQUIREMENTS BASED ON USE AND OCCUPANCY	**CHAPTER 4**	
PUBLIC PARKING GARAGES	406.4	PARKING GARAGES OTHER THAN PRIVATE GARAGES SHALL BE CLASSIFIED AS PUBLIC PARKING GARAGES AND SHALL COMPLY WITH PROVISIONS OF SECTIONS 406.4.2 THROUGH 406.4.8 AND SHALL BE CLASSIFIED AS EITHER AND OPEN OR ENCLOSED PARKING GARAGE . OPEN GARAGES SHALL ALSO COMPLY WITH SECTION 406.5.
CLEAR HEIGHT	406.4.1	THE CLEAR HEIGHT OF EACH FLOOR LEVEL IN VEHICLE AND PEDESTRIAN TRAFFIC AREAS SHALL BE NOT LESS THAN 7 FEET. VEHICLE AND PEDESTRIAN AREAS ACCOMMODATING VAN-ACCESSIBLE PARKING SHALL COMPLY WITH SECTION 1106.5
GUARDS	406.4.2	GUARDS SHALL BE PROVIDED IN ACCORDANCE WITH SECTION 1015. GUARDS SERVING AS VEHICLE BARRIERS SHALL COMPLY WITH SECTIONS 406.4.3 AND 1015.
VEHICLE BARRIERS	406.4.3	VEHICLE BARRIERS NOT LESS THAN 2 FEET 9 INCHES IN HEIGHT SHALL BE PLACED WHERE THE VERTICAL DISTANCE FROM THE FLOOR OF A DRIVE LANE OR PARKING SPACE TO THE GROUND SURFACE DIRECTLY BELOW IS GREATER THAN 1 FOOT. VEHICLE BARRIERS SHALL COMPLY WITH LOADING REQUIREMENT OF SECTION 1607.8.3
RAMPS	406.4.4	VEHICLE RAMPS SHALL NOT BE CONSIDERED AS REQUIRED EXITS UNLESS PEDESTRIAN FACILITIES ARE PROVIDED. VEHICLE RAMPS THAT ARE UTILIZED FOR VERTICAL CIRCULATION AS WELL AS FOR PARKING SHALL NOT EXCEED A SLOPE OF 1:15 (6.67 PERCENT)
FLOOR SURFACE	406.4.5	PARKING SURFACES SHALL BE OF CONCRETE OR SIMILAR NONCOMBUSTIBLE AND NONABSORBENT MATERIALS. THE AREA OF FLOOR USED FOR PARKING OF AUTOMOBILES OR OTHER VEHICLES SHALL BE SLOPED TO FACILITATE THE MOVEMENT OF LIQUIDS TO A DRAIN OR TOWARD THE MAIN VEHICLE ENTRY DOORWAY. EXCEPTION: 2. FLOORS OF GROUP S-2 PARKING GARAGES SHALL NOT BE REQUIRED TO HAVE A SLOPED SURFACE
OPEN PARKING GARAGES	406.5	OPEN PARKING GARAGES SHALL COMPLY WITH SECTIONS 406.5.1 THROUGH 406.5.11
CONSTRUCTION	406.5.1	OPEN GARAGES SHALL BE OF TYPE I, II OR IV CONSTRUCTION. OPEN PARKING GARAGES SHALL MEET THE DESIGN REQUIREMENTS OF CHAPTER 16
OPENINGS	406.5.2	EXTERIOR SIDE OF THE STRUCTURE SHALL HAVE UNIFORMITY DISTRIBUTED OPENINGS ON TWO OR MORE SIDES. THE AREA OF SUCH OPENINGS IN EXTERIOR WALLS ON A TIER SHALL BE NOT LESS THAN 20 PERCENT OF THE TOTAL PERIMETER WALL AREA OF EACH TIER. THE AGREGATE LENGTH OF THE OPENINGS CONSIDERED TO BE PROVIDING NATURAL VENTILATION SHALL BE NOT LESS THAN 40 PERCENT OF THE PERIMETER OF THE TIER. INTERIOR WALLS SHALL BE NOT LESS THAN 20 PERCENT OPEN WITH UNIFORMLY DISTRIBUTED OPENINGS. EXCEPTION: OPENINGS ARE NOT REQUIRED TO BE DISTRIBUTED OVER 40 PERCENT OF THE BUILDING PERIMETER WHERE THE REQUIRED OPENINGS ARE UNIFORMLY DISTRIBUTED OPENINGS
TABLE 406.5.4 OPEN PARKING GARAGES AREA AND HEIGHT		TYPE OF CONSTRUCTION: IIB AREA PER TIER: 50,000 SF MAX. RAMP ACCESS: 8 TIERS MAX.
SINGLE USE	406.5.4.1	WHERE THE OPEN PARKING GARAGE IS USED EXCLUSIVELY FOR PARKING WITH NO OTHER USES IN THE BUILDING, THE AREA AND HEIGHT SHALL BE PERMITTED TO COMPLY WITH 406.5.4, ALONG WITH INCREASES ALLOWED BY SECTION 406.5.5 IN OPEN PARKING GARAGES SPIRAL OR SLOPING FLOOR, THE HORIZONTAL PROJECTION OF THE STRUCTURE AT ANY CROSS SECTION SHALL NOT EXCEED THE ALLOWABLE AREA PER PARKING TIER. THE CLEAR HEIGHT OF A PARKING TIER SHALL BE NOT LESS THAN 7 FEET PER 406.4.1 SOUND TRANSIT REQUIRES 7'-3" MIN. CLEAR HEIGHT

SECTION TITLE	REFERENCE	REQUIREMENTS AND COMPLIANCE NOTES
FIRE SEPERATION DISTANCE	406.5.6	EXTERIOR WALLS AND OPENINGS IN EXTERIOR WALLS SHALL COMPLY WITH TABLES 601 AND 602. DISTANCE TO AN ADJACENT LOT LINE SHALL BE DETERMIED IN ACCORDANCE WITH TABLE 602 AND 705
MEANS OF EGRESS	406.5.7	WHERE PERSONS OTHER THAN PARKING ATTENDANTS ARE PERMITTED, OPEN GARAGES MUST MEET THE MEANS OF EGRESS REQUIREMENTS OF CHAPTER 10.
STANDPIPE SYSTEM	406.5.8	AN OPEN PARKING GARAGE SHALL BE EQUIPPED WITH STANDPIPE SYSTEM AS REQUIRED BY SECTION 905.3
ENCLOSURE OF VERTICAL OPENINGS	406.5.9	ENCLOSURE SHALL NOT BE REQUIRED FOR VERTICAL OPENINGS EXCEPT AS SPECIFIED IN SECTION 406.5.7
VENTILATION	406.5.10	VENTILATION, OTHER THAN THE PERCENTAGE OF OPENINGS SPECIFIED IN SECTION 406.5.2, SHALL NOT BE REQUIRED
TYPES OF CONSTRUCTION	**CHAPTER 6**	**TYPE II-B**
	TABLE 601	FIRE - RESISTANCE RATING REQUIREMENTS FOR BUILDING ELEMENTS (HOURS)
BUILDING ELEMENTS FIRE RESISTANCE		PRIMARY STRUCTURAL FRAME; 0-HR BEARING WALLS - EXTERIOR; 0-HR BEARING WALLS - EXTERIOR; 0-HR NONBEARING WALLS - INTERIOR; 0-HR FLOOR CONSTRUCTION AND ASSOCIATED SECONDARY MEMBERS 0-HR ROOF CONSTRUCTION AND ASSOCIATED SECONDARY MEMBERS 0-HR
	TABLE 602	FIRE-RESISTANCE RATING REQUIREMENTS FOR EXTERIOR WALLS BASED ON FIRE SEPERATION DISTANCE SEPERATION DISTANCE GREATER THAN 10' PER FOOTNOTE C. 0-HR
	602.2 TYPES I AND II	TYPES I AND II ARE THOSE TYPES OF CONSTRUCTION IN WHICH BUILDING ELEMENTS LISTED IN TABLE 601 ARE OF NON COMBUSTIBLE MATERIALS, EXCEPT AS PERMITTED IN SECTION 603 OR ELSEWHERE IN THIS CODE
FIRE AND SMOKE PROTECTION FEATURES	**CHAPTER 7**	
EXTERIOR WALLS	TABLE 705.8	BUILDINGS WHOSE EXTERIOR BEARING WALLS, EXTERIOR NONBEARING WALLS AND EXTERIOR PRIMARY STRUCTURAL FRAME ARE NOT REQUIRED TO BE FIRE-RESISTANCE RATED SHALL BE PERMITTED TO HAVE UNLIMITED UNPROTECTED OPENINGS. GREATER THAN 10' SEPERATION PER FOOTNOTE G.
	705.8.3 UNPROTECTED OPENINGS	WINDOWS AND DOORS SHALL BE CONSTRUCTED OF ANY APPROVED MATERIALS. GLAZING TO CONFORM TO REQUIREMENTS OF 24 AND 26
VERTICAL OPENINGS	712.1.10 PARKING GARAGES	VERTICAL OPENINGS IN PARKING GARAGES FOR AUTOMOBILE RAMPS, ELEVATORS AND DUCT SYSTEMS SHALL COMPLY WITH SECTION 712.1.10.1 - 712.1.3
	712.1.10.1 AUTOMOBILE RAMPS	VERTICAL OPENINGS FOR AUTOMOBILE RAMPS IN OPEN PARKING GARAGES PERMITTED WHERE CONSTRUCTED IN ACCORDANCE WITH 406.6

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SECTION TITLE	REFERENCE	REQUIREMENTS AND COMPLIANCE NOTES
	712.10.2 ELEVATORS	VERTICAL OPENINGS FOR ELEVATOR HOISTWAYS IN OPEN PARKING GARAGES THAT SERVE ONLY PARKING GARAGE AND COMPLYING WITH 406.5 SHALL BE PERMITTED
	712.10.3 DUCT SYSTEMS	VERTICAL OPENINGS FOR MECHANICAL EXHAUST OR SUPPLY DUCT SYSTEMS IN OPEN PARKING GARAGES COMPLYING WITH 406.5 SHALL BE PERMITTED TO BE UNENCLOSED WHERE SUCH DUCT SYSTEM IS CONTAINED WITHIN AND SERVES ONLY THE PARKING GARAGE.
INTERIOR FINISHES	**CHAPTER 8**	
	TABLE 803.11	EXIT STAIR, PASSAGEWAYS
WALL & CEILING FINSH CLASSIFICATION BY OCCUPANCY - SPRINKLERED	GROUP S	CLASS C
	806.1	PERMISSIBLE AMOUNT OF NONCOMBUSTILE MATERIALS SHALL NOT BE LIMITED
MEANS OF EGRESS	**CHAPTER 10**	
CEILING HEIGHT	1003.2	MEANS OF EGRESS AT CORRIDORS, PEDESTRIAN BRIDGE, PASSAGEWAYS, AND PATHWAYS - 7'-6" MIN.
	1003.3.1	MINIMUM 80" HEADROOM WHERE PROTRUDING OBJECTS EXTEND BELOW CEILING. PROTRUDING OBJECTS TO NOT REDUCE CEILING HEIGHT FOR MORE THAN 50 PERCENT OF THE CEILING AREA OF THE MEANS OF EGRESS
OCCUPANT LOADS	TABLE 1004.1.2	REFERENCE EGRESS & LIFE SAFETY PLANS PARKING GARAGES 200 GROSS ACCESSORY STOARGE AREAS, MECHANICAL EQUIPMENT ROOM 300 GROSS
COMPONENT CAPACITY	1005.3	MINIMUM WIDTH: STAIRWAYS: 0.3 INCHES PER OCCUPANT OTHER COMPONENTS: 0.2 INCHES PER OCCUPANT .
NUMBER OF EXITS	1006.2.1	TWO EXITS OR EXIT ACCESS DOORWAYS FROM ANY SPACE SHALL BE PROVIDED WHERE THE DESIGN OCCUPANT LOAD OR THE COMMON PATH OF EGRESS TRAVEL DISTANCE EXCEEDS THE 75 FEET F. THE LENGTH OF COMMON PATH OF EGRESS TRAVEL DISTANCE IN A GROUP S-2 OPEN PARKING GARAGE SHALL BE NOT MORE THAN 100 FEET
	TABLE 1006.3.1 MINIMUM NUMBER OF EXITS OR ACCESS TO EXITS PER STORY	OCCUPANT LOAD PER STORY: LESS THAN 500 MINIMUM NUMBER OR EXITS OR ACCESS TO EXITS FROM STORY REQUIRED: 2
EXIT CONFIGURATION	1007.1.1 TWO EXITS OR EXIT ACCESS DOORWAYS	NOT LESS THAN 1/3 LENGTH OF THE MAXIMUM OVERALL DIAGONAL DIMENSION OF THE BUILDING OR AREA TO BE SERVED MEASURED IN A STAIGHT LINE BETWEEN THEM WHERE EQUIPPED WITH AUTOMATIC SPRINKLERS
		REFERENCE CODE SUMMARY FLOOR PLANS.
ACCESSIBLE MEANS OF EGRESS	1009.2.1	AN ELEVATOR IS REQUIRED TO PROVIDE ACCESSIBLE EGRESS BECAUSE IT IS MORE THAN FOUR (4) STORIES ABOVE LEVEL OF DISCHARGE.
	1009.3, EXCEPTIONS 6	AREAS OF REFUGE ARE NOT REQUIRED AT STAIRWAYS SERVING OPEN PARKING GARAGES
	1009.8 TWO-WAY COMMUNICATION	A TWO-WAY COMMUNICATION SYSTEM COMPLYING WITH SECTIONS 1009.8.1 AND 1009.8.2 SHALL BE PROVIDED AT THE LANDING SERVING EACH ELEVATOR OR BANK OF ELEVATORS ON EACH ACCESSIBLE FLOOR THAT IS ONE OR MORE STORIES ABOVE OR BELOW THE LEVEL OF EXIT DISCHARGE.
DOORS	1010.1.5	LANDINGS ON EACH SIDE OF DOOR SHALL BE LEVEL - NOT TO EXCEED 2 % SLOPE ON EXTERIOR SIDE OF DOOR.
	1010.1.9.11, EXCEPTION 1	EGRESS STAIRWAY DOORS CAN BE LOCKABLE PROVIDED THEY SHALL BE OPENABLE FROM THE EGRESS SIDE AND SHALL ONLY BE LOCKED FROM THE OPPOSITE SIDE

SECTION TITLE	REFERENCE	REQUIREMENTS AND COMPLIANCE NOTES
INTERIOR EXIT STAIRWAYS		
	1011.2	STAIRWAY WIDTH AS CALCULATED PER 1005.1, BUT NOT LESS THAN 44 INCHES.
	1011.3	STAIRWAY HEADROOM MINIMUM. HEIGHT NOT LESS THAN 80 INCHES.
	1011.6	STAIRWAY LANDING EQUAL TO MINIMUM. WIDTH, BUT NOT REQUIRED TO EXCEED 48 INCHES WHERE STAIR HAS A STRAIGHT RUN.
	1011.7	STAIRWAY CONSTRUCTION - TYPE IIB, SHALL BE BUILT OF MATERIALS CONSISTENT WITH THE TYPES PERMITTED FOR THE TYPE OF CONSTRUCTION OF THE BUILDING.
EXIT ACCESS TRAVEL DISTANCE		
RAMPS	1012.2	RAMP SLOPE - 1:12 MAX
	1012.3	RAMP CROSS SLOPE - 1:48 MAX
	1012.4	RAMP RISE: 30" MAX
	1012.6.2	RAMP WIDTH: NO LESS THAN WIDEST RAMP ADJOINING LANDING
	1012.6.3	RAMP WIDTH: NO LESS THAN 60" IN LENGTH
	1012.6.4	CHANGE IN DIRECTION REQUIRES A 60" X 60" SQUARE LANDING AT MINIMUM
HANDRAILS	1014.6	HANDRAIL EXTENSIONS MINIMUM 12" HORIZONTAL EXTENSION BEYOND TOP RISER AND CONTINUE TO SLOPE FOR THE DEPTH OF ONE TREAD BEYOND THE BOTTOM RISER.
GUARDS	1015.3	REQUIRED GUARDS SHALL BE NOT LESS THAN 42 INCHES
EXIT ACCESS TRAVEL DISTANCE	TABLE 1017.2	EXIT ACCESS TRAVEL DISTANCE - AUTOMATIC SPRINKLER SYSTEMS GROUP S-2 400 FT. MAX.
	1019.3 EXCEPT. 6	EXIT ACCESS STAIRWAYS AND RAMPS IN OPEN PARKING GARAGES THAT SERVE ONLY THE PARKING GARAGE ARE NOT REQUIRED TO BE ENCLOSED WITHIN A SHAFT
CORRIDORS	TABLE 1020.1	CORRIDOR FIRE-RESISTANCE RATING - AUTOMATIC SPRINKLER SYS. GROUP S NOT REQUIRED 3. A FIRE-RESISTANCE RATING IS NOT REQUIRED FOR CORRIDORS IN OPEN PARKING GARAGES
EXIT DISCHARGE	1028.1	EXITS SHALL DISCHARGE DIRECTLY TO THE EXTERIOR OF THE BUILDING. THE EXIT DISCHARGE SHALL BE AT GRADE OR SHALL PROVIDE A DIRECT PATH OF EGRESS TRAVEL TO GRADE. THE EXIT DISCHARGE SHALL NOT REENTER A BUILDING.
ACCESSIBILITY	**CHAPTER 11**	
	1101.2	BUILDINGS AND FACILITIES SHALL BE DESIGNED AND CONSTRUCTED TO BE ACCESSIBLE IN ACCORDANCE WITH THIS CODE AND ICC A117.1
SITE ARRIVAL POINTS	1104.1	ACCESSIBLE SITE ROUTES REQUIRED TO ACCESSIBLE BLDG. ENTRANCES FROM PUBLIC TRANSPORTATION, PUBLIC STREETS AND SIDEWALKS, AND ACCESSIBLE PARKING.
MULTI-LEVEL BUILDINGS	1104.4	AT LEAST ONE (1) ACCESSIBLE ROUTE SHALL CONNECT EACH ACCESSIBLE LEVEL.
PUBLIC ENTRANCES	1105.1	60% OF ALL PUBLIC ENTRANCES SHALL BE ACCESSIBLE.
PARKING AND PASSENGER LOADING	TABLE 1106.1	SURFACE STALL COUNT FALLS WITHIN 151 TO 200 RANGE REQUIRING 6 ACCESSIBLE STALLS GARAGE PARKING STALL COUNT FALLS WITHIN 501 TO 1,000 RANGE REQUIRING 2% OF STALLS TO BE ACCESSIBLE
VAN SPACES	1106.5	ONE (1) ACCESSIBLE VAN STALL REQUIRED FOR EVERY SIX (6) OR FRACTION OF SIX (6) ACCESSIBLE PARKING STALLS.
	1106.6	1. IN MULTILEVEL PARKING STRUCTURES, VAN ACCESSIBLE PARKING SPACES ARE PERMITTED ON ONE LEVEL.
ICC A117.1	**ACCESSIBLE AND USABLE BUILDINGS AND FACILITIES**	
	502.6	A VERITCAL CLEARANCE OF 98 INCHES MIN TO BE PROVIDED AT THE FOLLOWING LOCATIONS: 1. PARKING SPACES FOR VANS 2. THE ACCESS AISLES SERVING PARKING SPACES FOR VANS 3. THE VEHICULAR ROUTES SERVING PARKING SPACES FOR VANS
	502.8	PARKING SPACES AND ACCESS AISLES SHALL BE DESIGNED SO THAT CARS AND VANS, WHEN PARKED, CANNOT OBSTRUCT THE REQUIRED CLEAR WIDTH OF ADJACENT ACCESSIBLE ROUTES.

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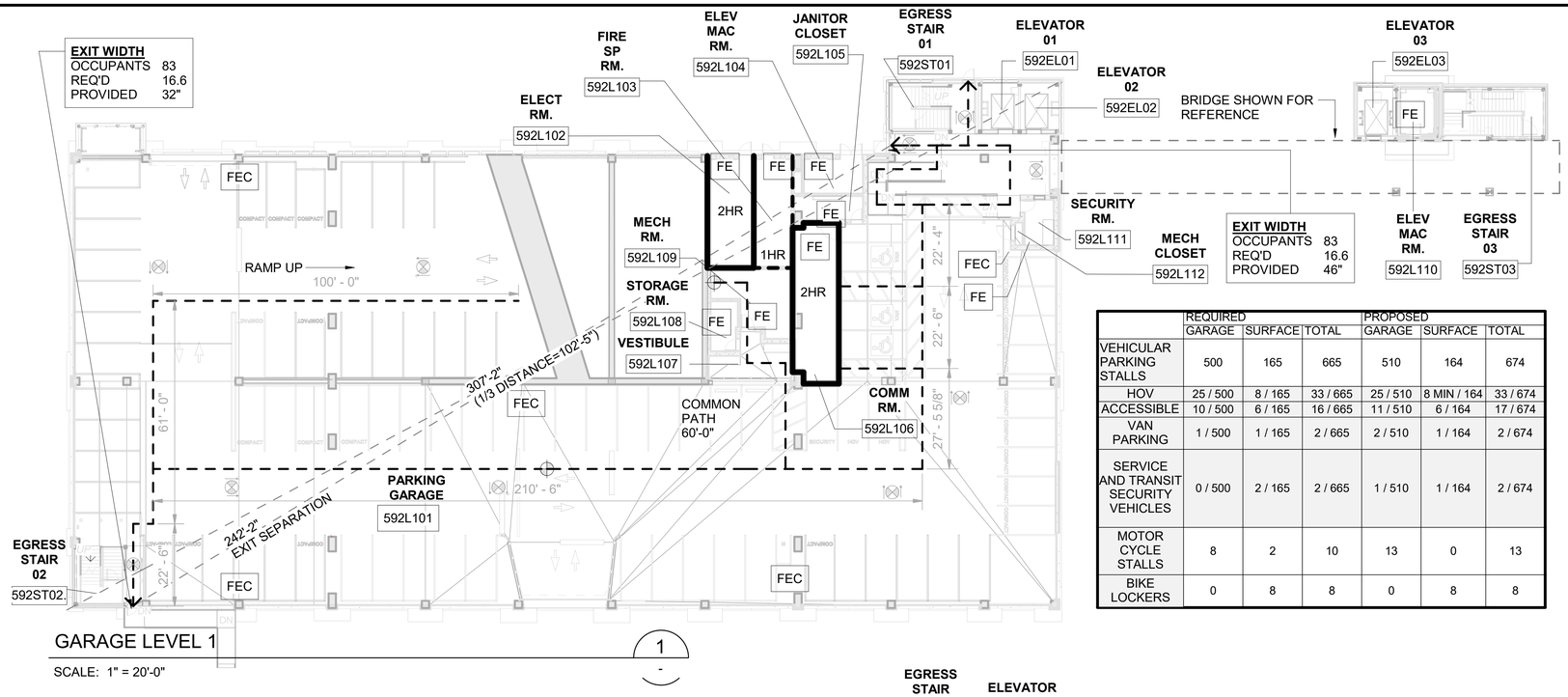
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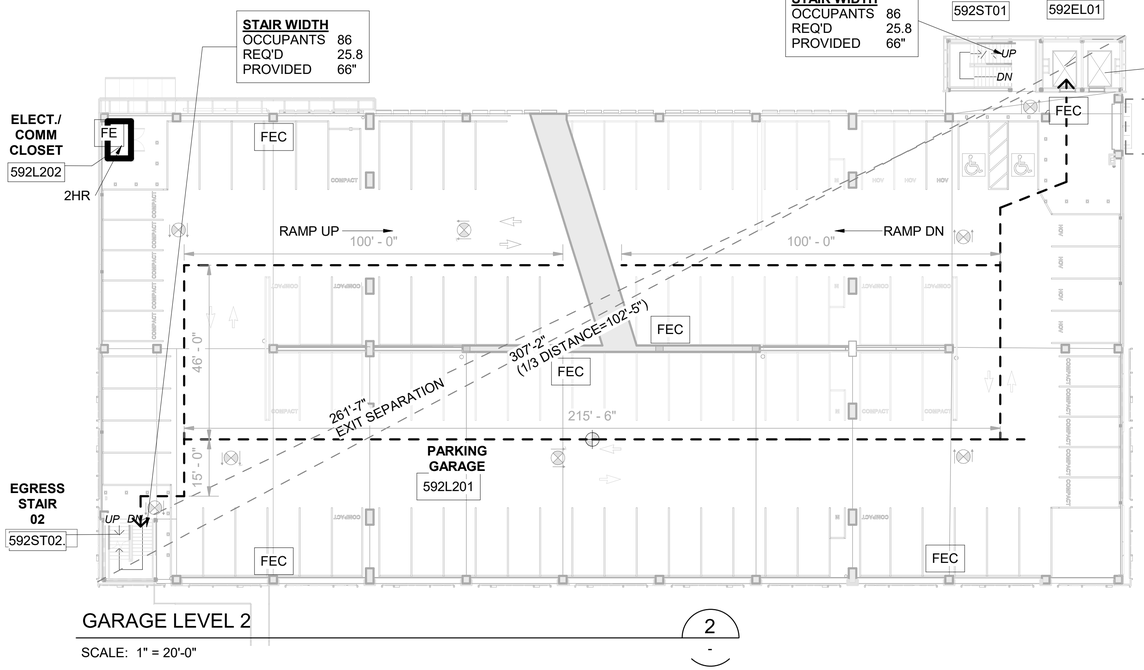
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PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
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DRAWING No.: F1592-AZN004
FACILITY ID: F1592
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	REQUIRED			PROPOSED		
	GARAGE	SURFACE	TOTAL	GARAGE	SURFACE	TOTAL
VEHICULAR PARKING STALLS	500	165	665	510	164	674
HOV	25 / 500	8 / 165	33 / 665	25 / 510	8 MIN / 164	33 / 674
ACCESSIBLE	10 / 500	6 / 165	16 / 665	11 / 510	6 / 164	17 / 674
VAN PARKING	1 / 500	1 / 165	2 / 665	2 / 510	1 / 164	2 / 674
SERVICE AND TRANSIT SECURITY VEHICLES	0 / 500	2 / 165	2 / 665	1 / 510	1 / 164	2 / 674
MOTOR CYCLE STALLS	8	2	10	13	0	13
BIKE LOCKERS	0	8	8	0	8	8



AREA SCHEDULE (GROSS BUILDING)

NAME	AREA
GARAGE LEVEL 1	
GARAGE AREA	34853 SF
EAST ABUTMENT AREA	769 SF
GARAGE LEVEL 2	
GARAGE AREA	35353 SF
GARAGE LEVEL 3	
GARAGE AREA	35329 SF
PEDESTRIAN BRIDGE AREA	1990 SF
EAST ABUTMENT AREA	769 SF
GARAGE LEVEL 4	
GARAGE AREA	35353 SF
GARAGE LEVEL 5	
GARAGE AREA	31986 SF
GRAND TOTAL: 8	176402 SF

CODE OCCUPANT LOAD, LIFE SAFETY & EGRESS SYMBOLS

EXIT WIDTH
OCCUPANTS 86 → CALCULATED EXIT OCCUPANT LOAD
REQ'D 15.6" → MINIMUM CALCULATED DOOR EXIT WIDTH
PROVIDED 66" → DOOR EXIT WIDTH PROVIDED

STAIR WIDTH
OCCUPANTS 86 → CALCULATED EXIT OCCUPANT LOAD
REQ'D 23.4" → MINIMUM CALCULATED STAIR EXIT WIDTH
PROVIDED 66" → STAIR EXIT WIDTH PROVIDED

ROOM NAME
592L501 — ROOM TAG

276'-9" EXIT SEPARATION — EXIT ACCESS DIAGONAL DISTANCE CALCULATION

1 HR ASSEMBLY
2 HR ASSEMBLY

TRAVEL DISTANCE TO EGRESS STAIR AND EXIT

COMMON PATH OF TRAVEL DISTANCE

REMOTE POINT USED FOR EGRESS TRAVEL MEASUREMENT

EXIT — BUILDING EXIT

FEC — FIRE EXTINGUISHER CABINET

FE — FIRE EXTINGUISHER

ILLUMINATED EXIT SIGN

EGRESS PLAN NOTES

1. REFERENCE ELECTRICAL LIGHTING PLANS FOR LOCATION OF EMERGENCY LIGHTING.
2. REFERENCE REFLECTED CEILING PLANS FOR EXIT SIGNS
3. FOR STAIR AND ELEVATOR INFORMATION, SEE VERTICAL CIRCULATION SHEETS. ELEVATOR WILL BE PERMITTED UNDER SEPARATE COVER.
4. SEE OCCUPANT LOAD TABLE FOR CALCULATIONS.
5. ALL EXIT DOORS TO HAVE PANIC HARDWARE; REF DOOR SCHEDULE SHEET ADS001 AND HARDWARE SCHEDULE
6. DOOR CAPACITY CALCULATIONS HAVE BEEN COMPUTED FOR CLEAR OPENINGS, AND EXCLUDE DOOR AND FRAME STOPS
7. REFERENCE DP-2 FOR SURFACE PARKING LAYOUT

MAXIMUM FLOOR AREA ALLOWANCES PER OCCUPANT

TABLE 1004.1.2

ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOM	300 GROSS
PARKING GARAGES	200 GROSS

LEVEL 01 & 02 (G3_OCCUPANT LOAD)

LEVEL	NUMBER	NAME	AREA	OCCUPANCY TYPE (IBC)	OCCUPANCY USE GROUP	OCCUPANT LOAD FACTOR	NUMBER OF OCCUPANT
GARAGE LEVEL 1	592L101	PARKING	30635 SF	STORAGE (S-2)	PARKING GARAGES	200 SF	155
GARAGE LEVEL 1	592L102	ELECT RM	393 SF	STORAGE (S-2)	ELECTRICAL	300 SF	2
GARAGE LEVEL 1	592L103	FIRE SP RM	329 SF	STORAGE (S-2)	MECHANICAL	300 SF	2
GARAGE LEVEL 1	592L104	ELEV MACH RM	208 SF	STORAGE (S-2)	MECHANICAL	300 SF	1
GARAGE LEVEL 1	592L105	JANITOR CLOSET	159 SF	STORAGE (S-2)	MECHANICAL	300 SF	1
GARAGE LEVEL 1	592L106	COMM RM	545 SF	STORAGE (S-2)	ELECTRICAL	300 SF	2
GARAGE LEVEL 1	592L107	VESTIBULE	262 SF	STORAGE (S-2)	PARKING GARAGES	200 SF	2
GARAGE LEVEL 1	592L108	STORAGE RM	122 SF	STORAGE (S-2)	STORAGE	300 SF	1
GARAGE LEVEL 1	592L109	MECH RM	350 SF	STORAGE (S-2)	MECHANICAL	300 SF	2
GARAGE LEVEL 1	592L110	ELEV MACH RM.	146 SF	STORAGE (S-2)	MECHANICAL	300 SF	2
GARAGE LEVEL 2	592L201	PARKING	34268 SF	STORAGE (S-2)	PARKING GARAGES	200 SF	172
GARAGE LEVEL 2	592L202	ELECT./ COMM CLOSET	69 SF	STORAGE (S-2)	ELECTRICAL	300 SF	1
GARAGE LEVEL 1	592L502	SECURITY RM.	134 SF	STORAGE (S-2)	MECHANICAL	300 SF	1
GARAGE LEVEL 1	592L503	MECH CLOSET	25 SF	STORAGE (S-2)	MECHANICAL	300 SF	1

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	CD	PC	BC	FINAL AS-BUILT

DESIGNED BY: C. DOMINGUEZ
DRAWN BY: M. BRYANT/ N. SMITH
CHECKED BY: P. CHUBB
APPROVED BY: B. CONNOLLY

MITHŪN
SUBMITTED BY: SARA ROBERTS

HENSEL PHELPS Plan. Build. Manage.
kpff
DATE: 10/26/2022
REVIEWED BY: GREG SHIMIZU

LINE IS 1" AT FULL SCALE

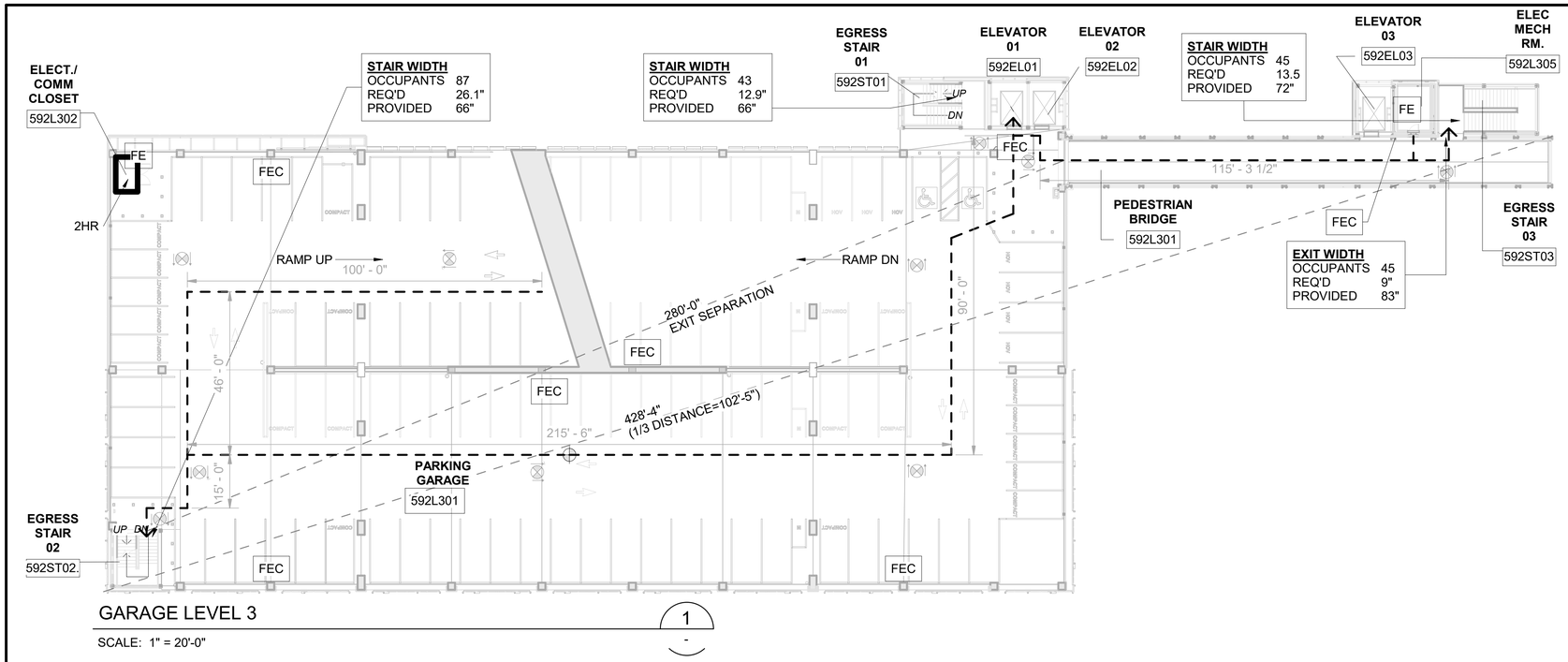
SOUNDTRANSIT
DATE: 10/26/2022

SCALE: AS NOTED
FILENAME: S317-F1592-A_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
ARCHITECTURAL
EGRESS & LIFE SAFETY PLANS

DRAWING No.: F1592-AZN005
FACILITY ID: F1592
SHEET No: 285
REV: 0

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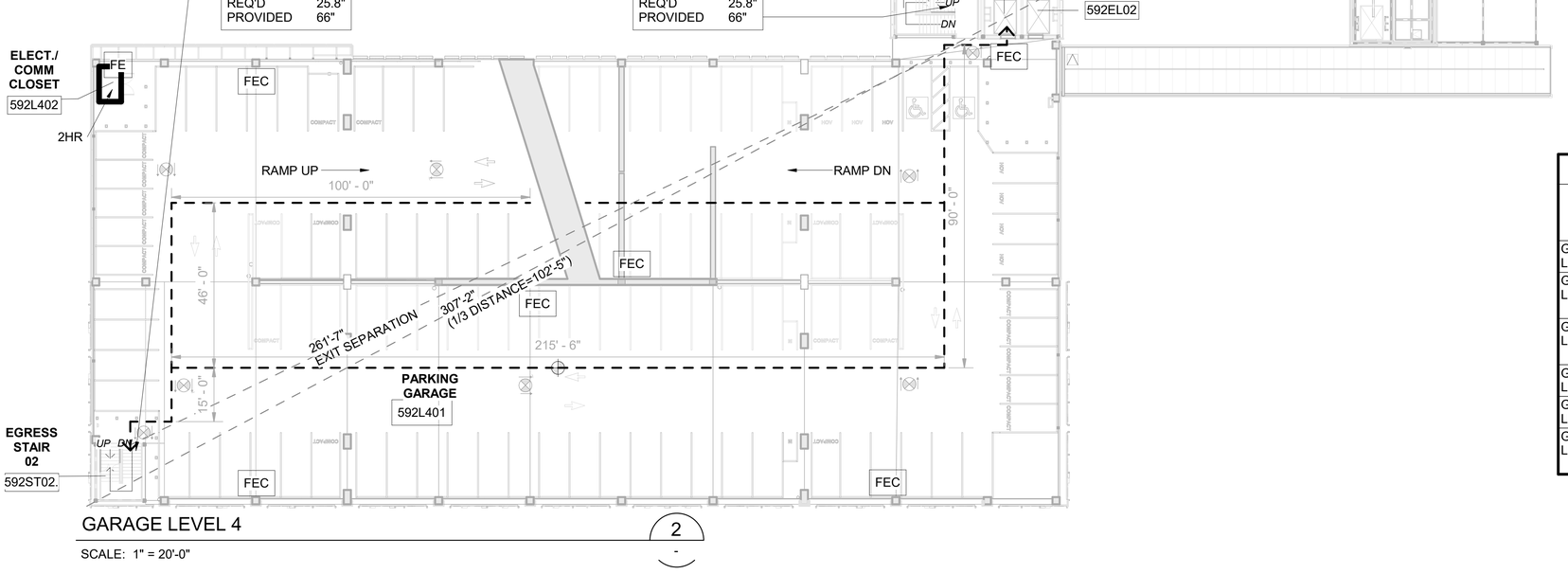


GARAGE LEVEL 3

SCALE: 1" = 20'-0"

1

-



GARAGE LEVEL 4

SCALE: 1" = 20'-0"

2

-

CODE OCCUPANT LOAD, LIFE SAFETY & EGRESS SYMBOLS

EXIT WIDTH OCCUPANTS 86 REQ'D 15.6" PROVIDED 66"
- CALCULATED EXIT OCCUPANT LOAD
- MINIMUM CALCULATED DOOR EXIT WIDTH
- DOOR EXIT WIDTH PROVIDED

TRAVEL DISTANCE TO EGRESS STAIR AND EXIT

STAIR WIDTH OCCUPANTS 86 REQ'D 23.4" PROVIDED 66"
- CALCULATED EXIT OCCUPANT LOAD
- MINIMUM CALCULATED STAIR EXIT WIDTH
- STAIR EXIT WIDTH PROVIDED

COMMON PATH OF TRAVEL DISTANCE

REMOTE POINT USED FOR EGRESS TRAVEL MEASUREMENT

ROOM NAME 592L501 — ROOM TAG

276'-9" EXIT SEPARATION — EXIT ACCESS DIAGONAL DISTANCE CALCULATION

EXIT — BUILDING EXIT

FEC — FIRE EXTINGUISHER CABINET

FE — FIRE EXTINGUISHER

1 HR ASSEMBLY

2 HR ASSEMBLY

ILLUMINATED EXIT SIGN

EGRESS PLAN NOTES

1. REFERENCE ELECTRICAL LIGHTING PLANS FOR LOCATION OF EMERGENCY LIGHTING.
2. REFERENCE REFLECTED CEILING PLANS FOR EXIT SIGNS
3. FOR STAIR AND ELEVATOR INFORMATION, SEE VERTICAL CIRCULATION SHEETS. ELEVATOR WILL BE PERMITTED UNDER SEPARATE COVER.
4. SEE OCCUPANT LOAD TABLE FOR CALCULATIONS.
5. ALL EXIT DOORS TO HAVE PANIC HARDWARE; REF DOOR SCHEDULE SHEET ADS001 AND HARDWARE SCHEDULE
6. DOOR CAPACITY CALCULATIONS HAVE BEEN COMPUTED FOR CLEAR OPENINGS, AND EXCLUDE DOOR AND FRAME STOPS
7. REFERENCE DP-2 FOR SURFACE PARKING LAYOUT

MAXIMUM FLOOR AREA ALLOWANCES PER OCCUPANT

TABLE 1004.1.2

ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOM	300 GROSS
PARKING GARAGES	200 GROSS

LEVEL 03 & 04 (G3_OCCUPANT LOAD)

LEVEL	NUMBER	NAME	AREA	OCCUPANCY TYPE (IBC)	OCCUPANCY USE GROUP	OCCUPANT LOAD FACTOR	NUMBER OF OCCUPANT
GARAGE LEVEL 3	592L301	PARKING	34267 SF	STORAGE (S-2)	PARKING GARAGES	200 SF	172
GARAGE LEVEL 3	592L302	ELECT./ COMM CLOSET	69 SF	STORAGE (S-2)	ELECTRICAL	200 SF	1
GARAGE LEVEL 3	592L304	PEDESTRIAN BRIDGE	1973 SF	STORAGE (S-2)	PARKING GARAGES	200 SF	0
GARAGE LEVEL 3	592L305	ELEC MECH RM.	146 SF	STORAGE (S-2)	MECHANICAL	200 SF	2
GARAGE LEVEL 4	592L401	PARKING	34268 SF	STORAGE (S-2)	PARKING GARAGES	200 SF	172
GARAGE LEVEL 4	592L402	ELECT./ COMM CLOSET	69 SF	STORAGE (S-2)	ELECTRICAL	200 SF	1

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	CD	PC	BC	FINAL AS-BUILT

DESIGNED BY: C. DOMINGUEZ
DRAWN BY: M. BRYANT/ N. SMITH
CHECKED BY: P. CHUBB
APPROVED BY: B. CONNOLLY

MITHŪN
SUBMITTED BY: SARA ROBERTS

HENSEL PHELPS Plan. Build. Manage. kpff
DATE: 10/26/2022

REVIEWED BY: GREG SHIMIZU

LINE IS 1" AT FULL SCALE

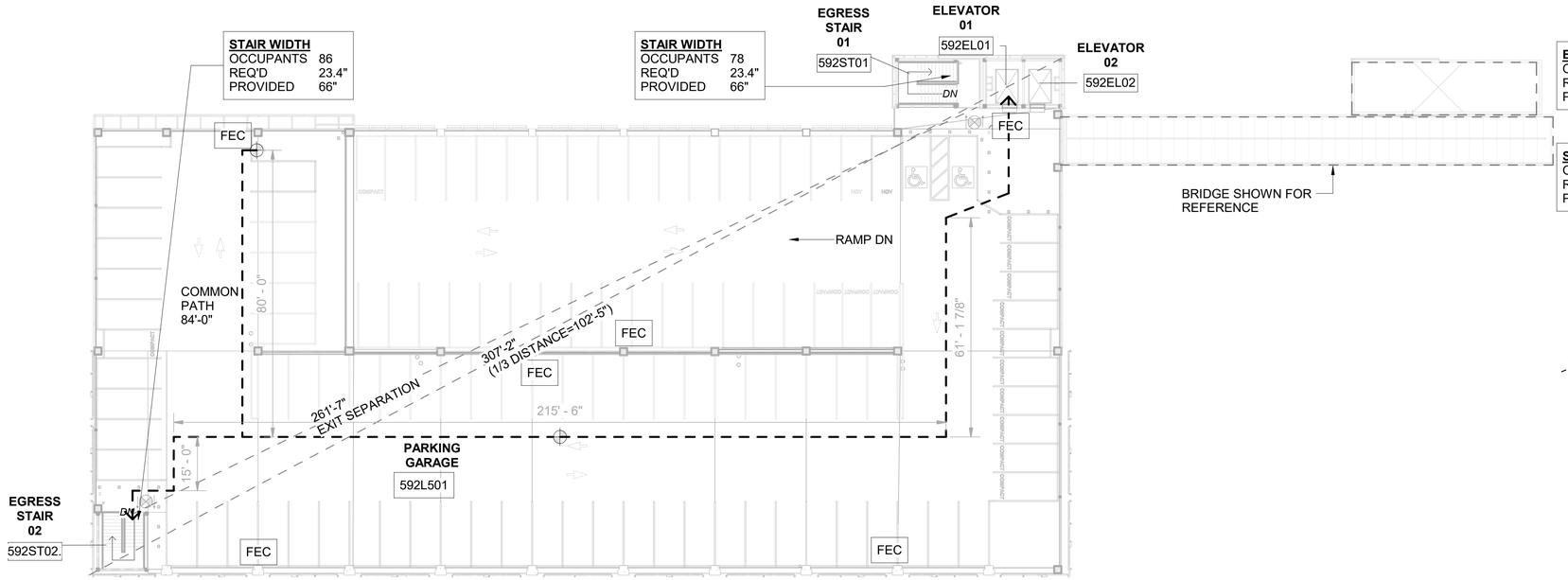
SOUNDTRANSIT
DATE: 10/26/2022

SCALE: AS NOTED
FILENAME: S317-F1592-A_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
ARCHITECTURAL
EGRESS & LIFE SAFETY PLANS

DRAWING No.: F1592-AZN006
FACILITY ID: F1592
SHEET No: 286
REV: 0

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GARAGE LEVEL 5 — 1 / -

SCALE: 1" = 20'-0"

CODE OCCUPANT LOAD, LIFE SAFETY & EGRESS SYMBOLS

EXIT WIDTH
OCCUPANTS 86 — CALCULATED EXIT OCCUPANT LOAD
REQ'D 15.6" — MINIMUM CALCULATED DOOR EXIT WIDTH
PROVIDED 66" — DOOR EXIT WIDTH PROVIDED

STAIR WIDTH
OCCUPANTS 86 — CALCULATED EXIT OCCUPANT LOAD
REQ'D 23.4" — MINIMUM CALCULATED STAIR EXIT WIDTH
PROVIDED 66" — STAIR EXIT WIDTH PROVIDED

TRAVEL DISTANCE TO EGRESS STAIR AND EXIT

COMMON PATH OF TRAVEL DISTANCE

REMOTE POINT USED FOR EGRESS TRAVEL MEASUREMENT

ROOM NAME
592L501
ROOM TAG

276'-9" EXIT SEPARATION
EXIT ACCESS DIAGONAL DISTANCE CALCULATION

1 HR ASSEMBLY

2 HR ASSEMBLY

EXIT — BUILDING EXIT

FEC — FIRE EXTINGUISHER CABINET

FE — FIRE EXTINGUISHER

ILLUMINATED EXIT SIGN

EGRESS PLAN NOTES

1. REFERENCE ELECTRICAL LIGHTING PLANS FOR LOCATION OF EMERGENCY LIGHTING.
2. REFERENCE REFLECTED CEILING PLANS FOR EXIT SIGNS
3. FOR STAIR AND ELEVATOR INFORMATION, SEE VERTICAL CIRCULATION SHEETS. ELEVATOR WILL BE PERMITTED UNDER SEPARATE COVER.
4. SEE OCCUPANT LOAD TABLE FOR CALCULATIONS.
5. ALL EXIT DOORS TO HAVE PANIC HARDWARE; REF DOOR SCHEDULE SHEET ADS001 AND HARDWARE SCHEDULE
6. DOOR CAPACITY CALCULATIONS HAVE BEEN COMPUTED FOR CLEAR OPENINGS, AND EXCLUDE DOOR AND FRAME STOPS
7. REFERENCE DP-2 FOR SURFACE PARKING LAYOUT

MAXIMUM FLOOR AREA ALLOWANCES PER OCCUPANT

TABLE 1004.1.2

ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOM	300 GROSS
PARKING GARAGES	200 GROSS

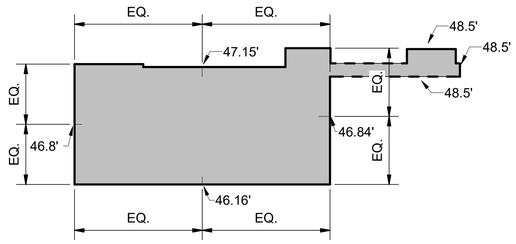
LEVEL 05 (G3_OCCUPANT LOAD)

LEVEL	NUMBER	NAME	AREA	OCCUPANCY TYPE (IBC)	OCCUPANCY USE GROUP	OCCUPANT LOAD FACTOR	NUMBER OF OCCUPANT
GARAGE LEVEL 5	592L501	PARKING	31142 SF	STORAGE (S-2)	PARKING GARAGES	200 SF	156

BUILDING HEIGHT MEASUREMENT PER PUYALLUP MUNICIPAL CODE SECTION 20.30.030
LOWER OF FINISHED AVERAGE ADJOINING GRADE TO TOP OF A FLAT ROOF

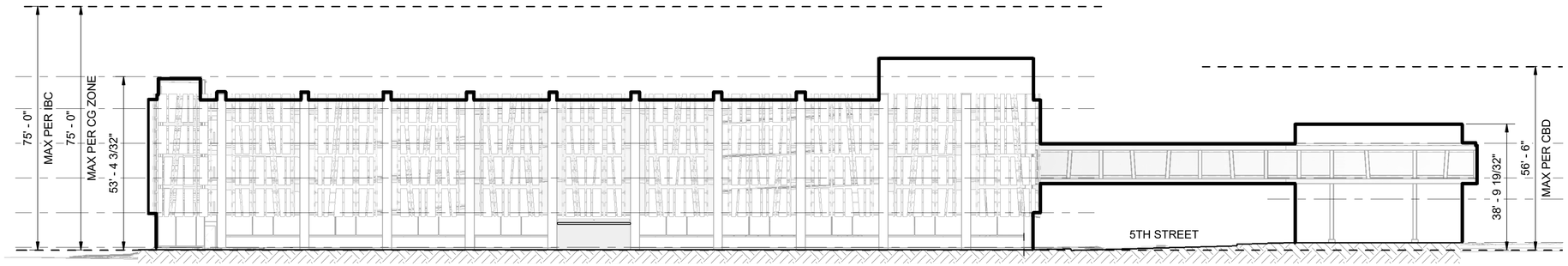
LOWEST AVERAGE GRADE = 46.16'

AVERAGE EXISTING GRADE = 46.16'



EXISTING GRADE DIAGRAM — 2 / -

SCALE: 1" = 80'-0"



BUILDING HEIGHT CALCULATION — A / -

SCALE: 1" = 20'-0"

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	CD	PC	BC	FINAL AS-BUILT

DESIGNED BY: C. DOMINGUEZ
DRAWN BY: M. BRYANT/ N. SMITH
CHECKED BY: P. CHUBB
APPROVED BY: B. CONNOLLY

MITHŪN
SUBMITTED BY: SARA ROBERTS
DATE: 10/26/2022

HENSEL PHELPS Plan. Build. Manage. kpff
REVIEWED BY: GREG SHIMIZU
DATE: 10/26/2022

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT
SCALE: AS NOTED
FILENAME: S317-F1592-A_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

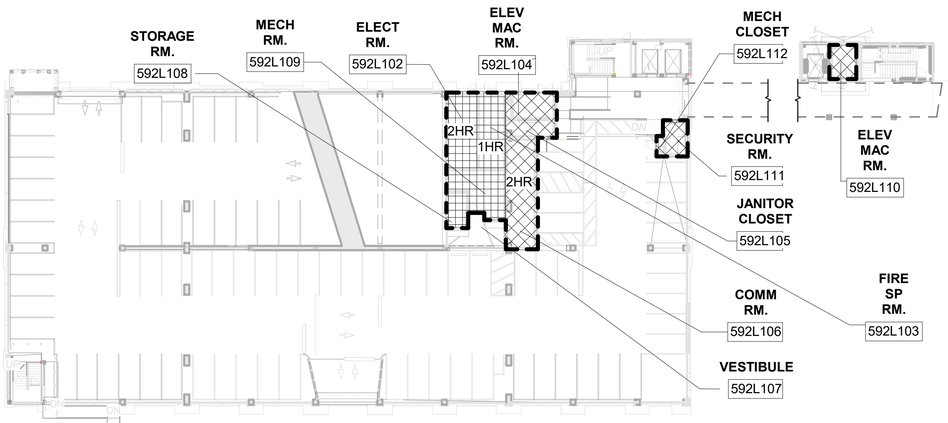
PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
ARCHITECTURAL
EGRESS & LIFE SAFETY PLANS

DRAWING No.: F1592-AZN007
FACILITY ID: F1592
SHEET No: 287
REV: 0

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ENERGY CODE LEGEND

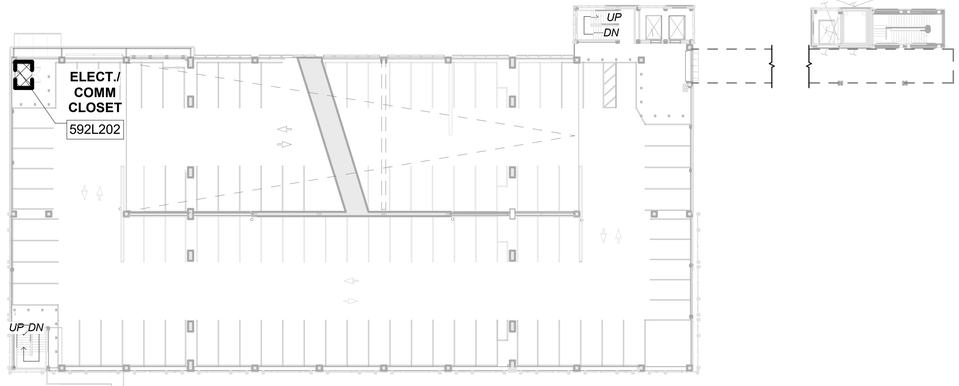
PATTERN	CONDITIONING TYPE	HEATED	COOLED	VENTILATED	SYMBOL	OPAQUE ELEMENT	LOCATION
	NONE, TYPICAL	NO	NO	NO		WALL/FLOOR/ROOF	ABV OR BLW GRADE. AIR BARRIER
	HEATED ONLY	YES	NO	YES			
	FULLY CONDITIONED	YES	YES	YES		DOOR	ANY



GARAGE LEVEL 1

SCALE: 1" = 30'-0"

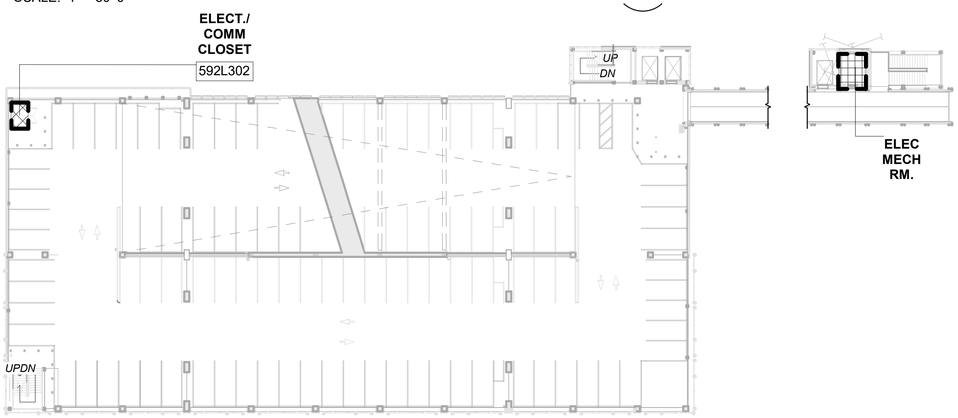
1 F1592-AAE010



GARAGE LEVEL 2

SCALE: 1" = 30'-0"

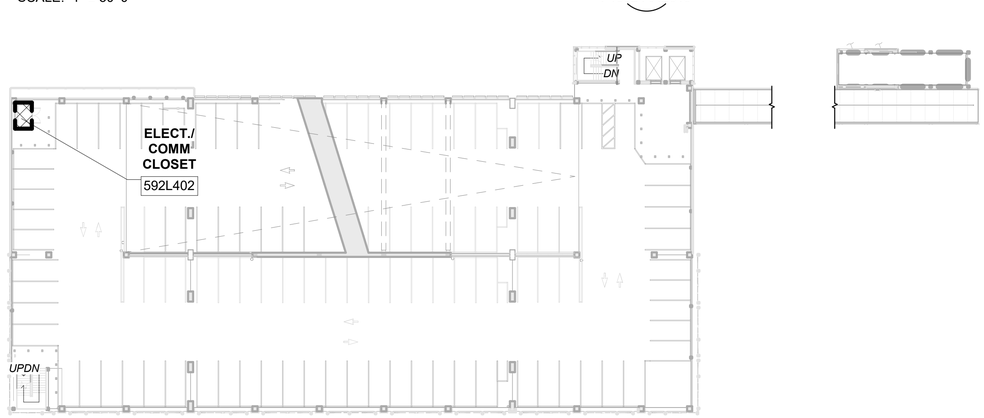
2 F1592-AAE010



GARAGE LEVEL 3

SCALE: 1" = 30'-0"

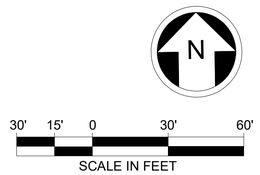
3 F1592-AAE010



GARAGE LEVEL 4

SCALE: 1" = 30'-0"

4 F1592-AAE010



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FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	CD	PC	BC	FINAL AS-BUILT

DESIGNED BY: C. DOMINGUEZ
DRAWN BY: M. BRYANT/ N. SMITH
CHECKED BY: P. CHUBB
APPROVED BY: B. CONNOLLY

MITHŪN
SUBMITTED BY: SARA ROBERTS

HENSEL PHELPS Plan. Build. Manage.
kpff
DATE: 10/26/2022

REVIEWED BY: GREG SHIMIZU

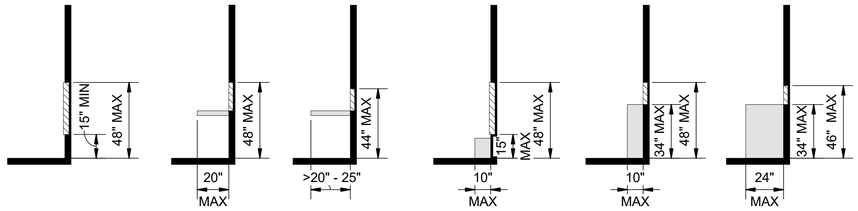
LINE IS 1" AT FULL SCALE

SOUNDTRANSIT
DATE: 10/26/2022

SCALE: 1" = 30'-0"
FILENAME: S317-F1592-A_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
ARCHITECTURAL
ENERGY CODE SUMMARY

DRAWING No.: F1592-AZN008
FACILITY ID: F1592
SHEET No.: 288
REV.: 0

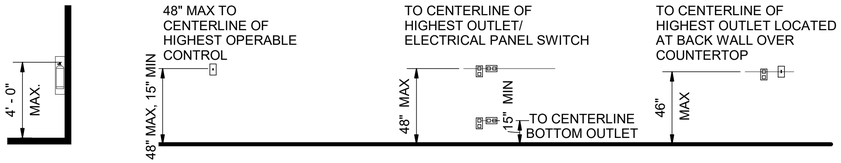


UNOBSTRUCTED FORWARD REACH

OBSTRUCTED HIGH FORWARD REACH

UNOBSTRUCTED SIDE REACH

OBSTRUCTED HIGH SIDE REACH



FIRE EXTINGUISHER MOUNTING HEIGHT

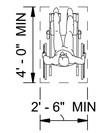
LIGHTING, ENVIRONMENTAL & APPLIANCE CONTROLS, AND FIRE ALARM PULL STATIONS

ELECTRICAL OUTLET/SWITCHES AND COMMUNICATION SYSTEM RECEPTACLES

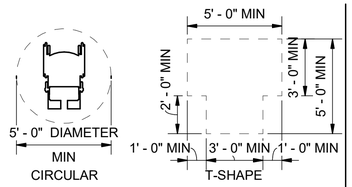
CONTROLS, OUTLETS AND RECPTACLES OVER OBSTRUCTIONS SHALL BE LOCATED AT REACH RANGES COMPLYING WITH ACCESSIBLE REACH RANGES. REFERENCE ADJACENT REACH RANGE DIAGRAM

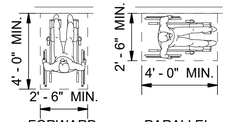
ACCESSIBILITY REQUIREMENTS
REACH RANGE

SCALE: 1/4" = 1'-0"

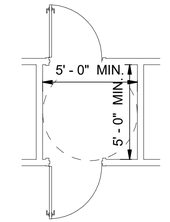


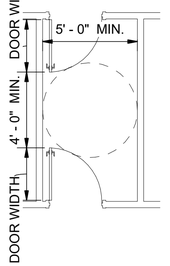
SIZE OF CLEAR FLOOR SPACE

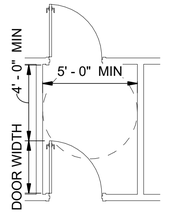




POSITION OF CLEAR FLOOR SPACE

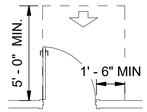




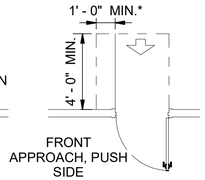


2 DOORS IN A SERIES

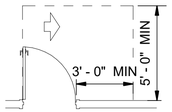
* IF BOTH CLOSER AND LATCH ARE PROVIDED



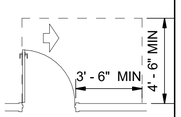
FRONT APPROACH, PULL SIDE



FRONT APPROACH, PUSH SIDE

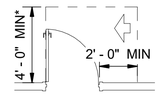


HINGE APPROACH, PULL SIDE



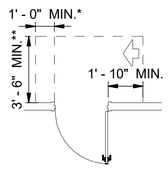
HINGE APPROACH, PULL SIDE

* 54" MIN IF CLOSER IS PROVIDED



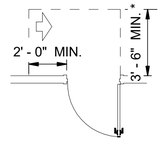
LATCH APPROACH, PULL SIDE

* IF BOTH CLOSER AND LATCH PROVIDED
** 48" MIN IF BOTH CLOSER AND LATCH PROVIDED



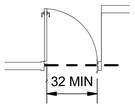
HINGE APPROACH, PUSH SIDE

* 48" MIN IF CLOSER IS PROVIDED



LATCH APPROACH, PUSH SIDE

34" STANDARD DOOR WIDTH REQUIRED FOR 32" MIN. CLEAR OPENING WIDTH



CLEAR OPENING WIDTH

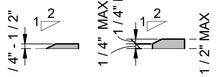
SWINGING DOOR



CARPET ON FLOOR SURFACE



MAX. LEVEL CHANGE PERMITTED VERTICAL RISE



BEVEL CHANGES IN LEVEL

HEIGHT CHANGES AND FLOOR SADDLES

ACCESSIBLE ROUTE

SCALE: 1/4" = 1'-0"

6/21/2022 4:29:20 PM
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FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	CD	PC	BC	FINAL AS-BUILT

DESIGNED BY: C. DOMINGUEZ
DRAWN BY: M. BRYANT/ N. SMITH
CHECKED BY: P. CHUBB
APPROVED BY: B. CONNOLLY

MITHŪN
SUBMITTED BY: SARA ROBERTS

HENSEL PHELPS Plan. Build. Manage.
kpff
DATE: 10/26/2022
REVIEWED BY: GREG SHIMIZU

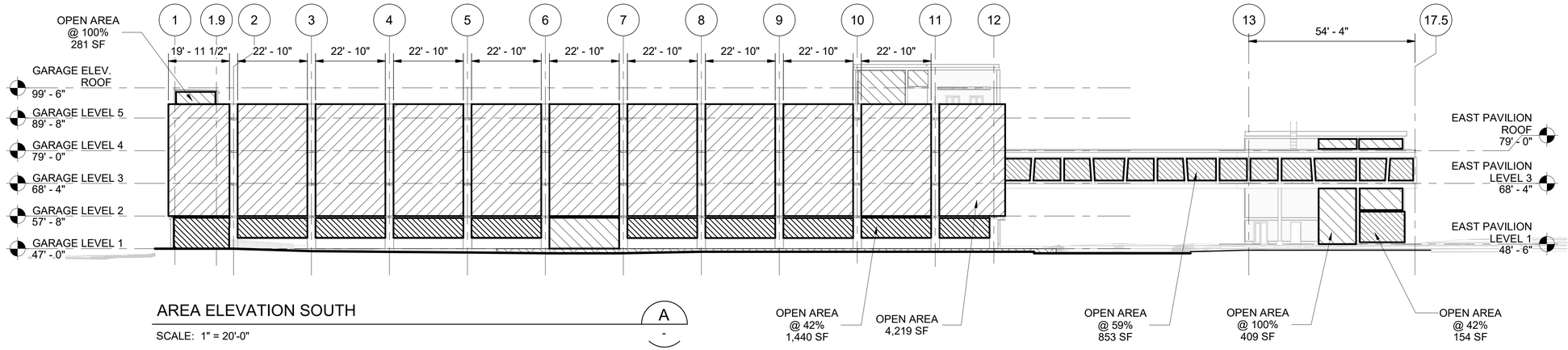
LINE IS 1" AT FULL SCALE

SOUNDTRANSIT
DATE: 10/26/2022

SCALE: 1/4" = 1'-0"
FILENAME: S317-F1592-A_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
ARCHITECTURAL
ACCESSIBILITY

DRAWING No.: F1592-AZN009
FACILITY ID: F1592
SHEET No.: 289
REV: 0



AREA ELEVATION SOUTH

A

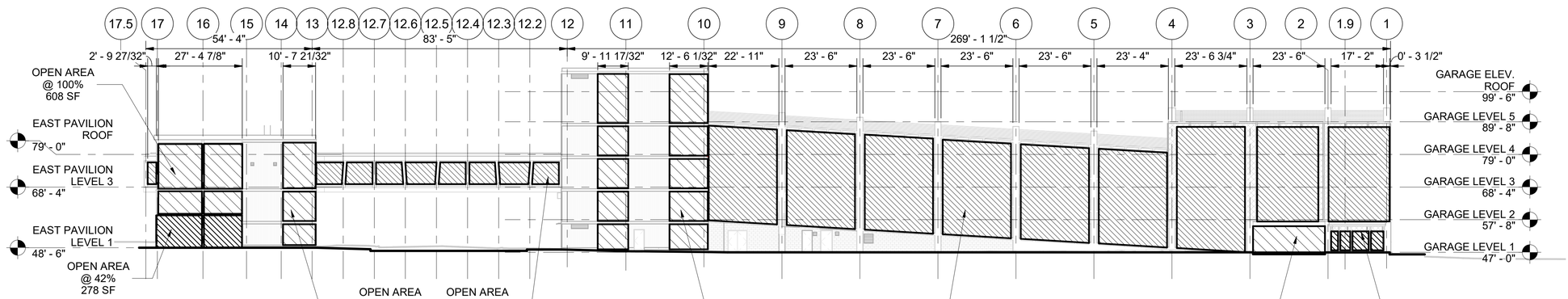
SCALE: 1" = 20'-0"

BUILDING CODE LEGEND

- REQUIRED AREA
- AVERAGE SS MESH SCALE (42% OPENNESS)
- AVERAGE SS MESH MID-SHADE (59% OPENNESS)
- AVERAGE PERFORATED PANEL AREA
- 100% OPEN AREA

OPENESS SUMMARY

GARAGE NORTH	52%
GARAGE SOUTH	46%
GARAGE EAST	65%
GARAGE WEST	61%
GARAGE AVERAGE TOTAL	56%
PED BRIDGE AVERAGE TOTAL	46%
EAST ABUTMENT AVERAGE TOTAL	45%
GRAND AVERAGE TOTAL	49%

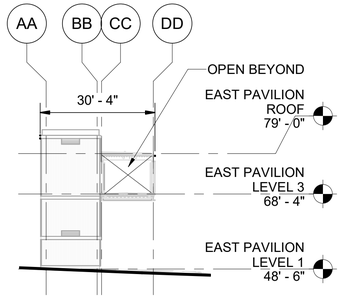


AREA ELEVATION NORTH

B

SCALE: 1" = 20'-0"

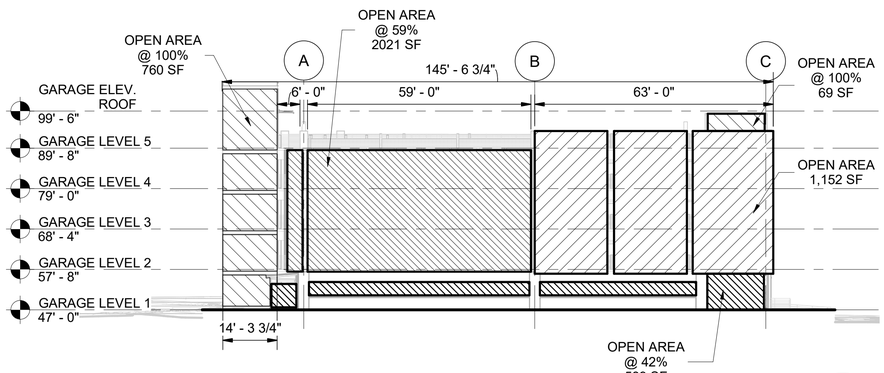
F1592-APP302



AREA ELEVATION EA WEST

C

SCALE: 1" = 20'-0"

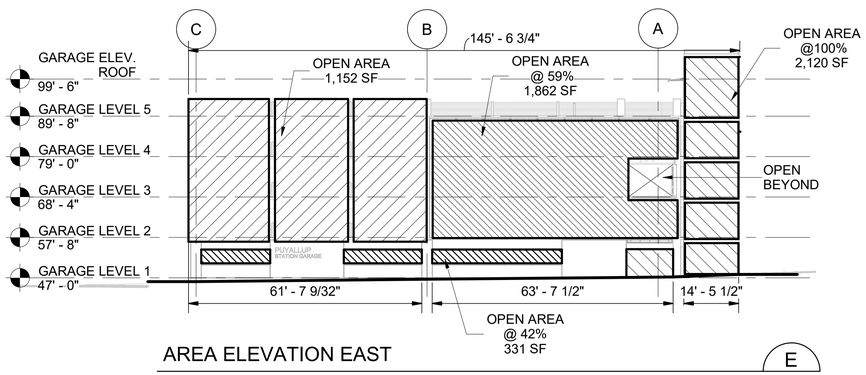


AREA ELEVATION WEST

D

SCALE: 1" = 20'-0"

F1592-APP201

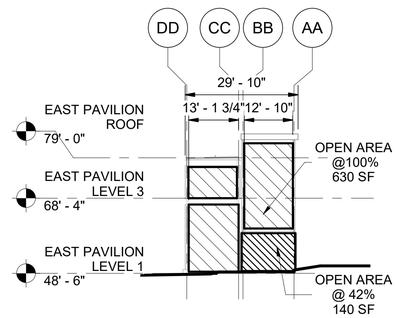


AREA ELEVATION EAST

E

SCALE: 1" = 20'-0"

F1592-APP303



AREA ELEVATION EA EAST

F

SCALE: 1" = 20'-0"

2' 0' 8' 16' 32'

SCALE IN FEET

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	CD	PC	BC	FINAL AS-BUILT

DESIGNED BY: C. DOMINGUEZ
DRAWN BY: M. BRYANT/ N. SMITH
CHECKED BY: P. CHUBB
APPROVED BY: B. CONNOLLY

MITHŪN
SUBMITTED BY: SARA ROBERTS

HENSEL PHELPS Plan. Build. Manage.
kpff
DATE: 10/26/2022

LINE IS 1" AT FULL SCALE

REVIEWED BY: GREG SHIMIZU
DATE: 10/26/2022

SOUNDTRANSIT

SCALE: 1" = 20'-0"
FILENAME: S317-F1592-A_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
ARCHITECTURAL
OPEN AREA ELEVATION DIAGRAMS

DRAWING No.: F1592-AAE010
FACILITY ID: F1592
SHEET No: 290
REV: 0

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ELEMENT	AREA	MATERIAL OPPENESS PERCENTAGE	SOLID MATERIAL PERCENTAGE	TOTAL MATERIAL AREA
				100%
SOUTH				
FAÇADE	13588			
GLASS	202	100%	0%	0
PERFORATED PANELS	4524	50%	50%	2262
BRICK	2,752	0%	100%	2752
L1 CAMBRIDGE ARCHITECTURE METAL PANELS	1472	42%	58%	853.76
HSS	634	0%	100%	634
METAL PANEL	249	0%	100%	249
STRUCTURAL FLOOR SLAB	585	0%	100%	585
PERCENTAGE OF OPEN SPACE ON FAÇADE				46
NORTH				
FAÇADE	12710			
GLASS	1191	100%	0%	0
METAL PANEL	1590	0%	100%	1590
CONCRETE COLUMN	922	0%	100%	922
CAMBRIDGE ARCHITECTURE METAL PANELS	5357	59%	41%	2196.37
STRUCTURAL FLOOR SLAB + COLUMNS	1349	0%	100%	1349
L1 CAMBRIDGE ARCHITECTURE METAL PANELS	91	42%	58%	52.78
PERCENTAGE OF OPEN SPACE ON FAÇADE				52
EAST				
FAÇADE	7091			
GLASS	760	100%	0%	0
CAMBRIDGE ARCHITECTURE METAL PANELS	548	59%	41%	224.68
PERFORATED PANELS	1248	50%	50%	624
BRICK	656	0%	100%	656
STRUCTURAL FLOOR SLAB + COLUMNS	561	0%	100%	561
HSS	253	0%	100%	253
L1 CAMBRIDGE ARCHITECTURE METAL PANELS	265	42%	58%	153.7
PERCENTAGE OF OPEN SPACE ON FAÇADE				65
WEST				
FAÇADE	7170			
GLASS	743	100%	0%	0
CAMBRIDGE ARCHITECTURE METAL PANELS	1680	59%	41%	688.8
PERFORATED PANELS	1248	50%	50%	624
BRICK	350	0%	100%	350
STRUCTURAL FLOOR SLAB + COLUMNS	442	0%	100%	442
HSS	269	0%	100%	269
L1 CAMBRIDGE ARCHITECTURE METAL PANELS	679	42%	58%	393.82
PERCENTAGE OF OPEN SPACE ON FAÇADE				61

ELEMENT	AREA	MATERIAL OPPENESS PERCENTAGE	SOLID MATERIAL PERCENTAGE	TOTAL MATERIAL AREA
				100%
PED BRIDGE N				
FAÇADE	1034			
CAMBRIDGE ARCHITECTURE METAL PANELS	505	59%	41%	207.05
STEEL STRUCTURE	344	0%	100%	344
PERCENTAGE OF OPEN SPACE ON FAÇADE				47
PED BRIDGE S				
FAÇADE	1011			
CAMBRIDGE ARCHITECTURE METAL PANELS	508	59%	41%	208.28
STEEL STRUCTURE	344	0%	100%	344
PERCENTAGE OF OPEN SPACE ON FAÇADE				45
EAST ABUTMENT S				
FAÇADE	1962			
CAMBRIDEGE ARCHITECTURE METAL PANELS	345	59%	41%	141.45
CAMBRIDEGE ARCHITECTURE METAL PANELS	154	42%	58%	89.32
STEEL STRUCTURE	278	0%	100%	278
METAL PANEL	472	0%	100%	472
GLASS	265	100%	0%	0
PERCENTAGE OF OPEN SPACE ON FAÇADE				50
EAST ABUTMENT N				
FAÇADE	1962			
CAMBRIDEGE ARCHITECTURE METAL PANELS	278	42%	58%	161.24
CAMBRIDEGE ARCHITECTURE METAL PANELS	21	59%	41%	
STEEL STRUCTURE	327	0%	100%	327
METAL PANEL	414	0%	100%	414
GLASS	334	100%	0%	0
PERCENTAGE OF OPEN SPACE ON FAÇADE				54
EAST ABUTMENT E				
FAÇADE	977			
CAMBRIDEGE ARCHITECTURE METAL PANELS	140	42%	58%	81.2
STEEL STRUCTURE	148	0%	100%	148
PERCENTAGE OF OPEN SPACE ON FAÇADE				77
EAST ABUTMENT W				
FAÇADE	842			
STEEL STRUCTURE + METAL PANELS	842	0%	100%	842
PERCENTAGE OF OPEN SPACE ON FAÇADE				0

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FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	CD	PC	BC	FINAL AS-BUILT

DESIGNED BY: C. DOMINGUEZ
DRAWN BY: M. BRYANT/ N. SMITH
CHECKED BY: P. CHUBB
APPROVED BY: B. CONNOLLY

MITHŪN
SUBMITTED BY: SARA ROBERTS
DATE: 10/26/2022

HENSEL PHELPS Plan. Build. Manage.
kpff
REVIEWED BY: GREG SHIMIZU
DATE: 10/26/2022

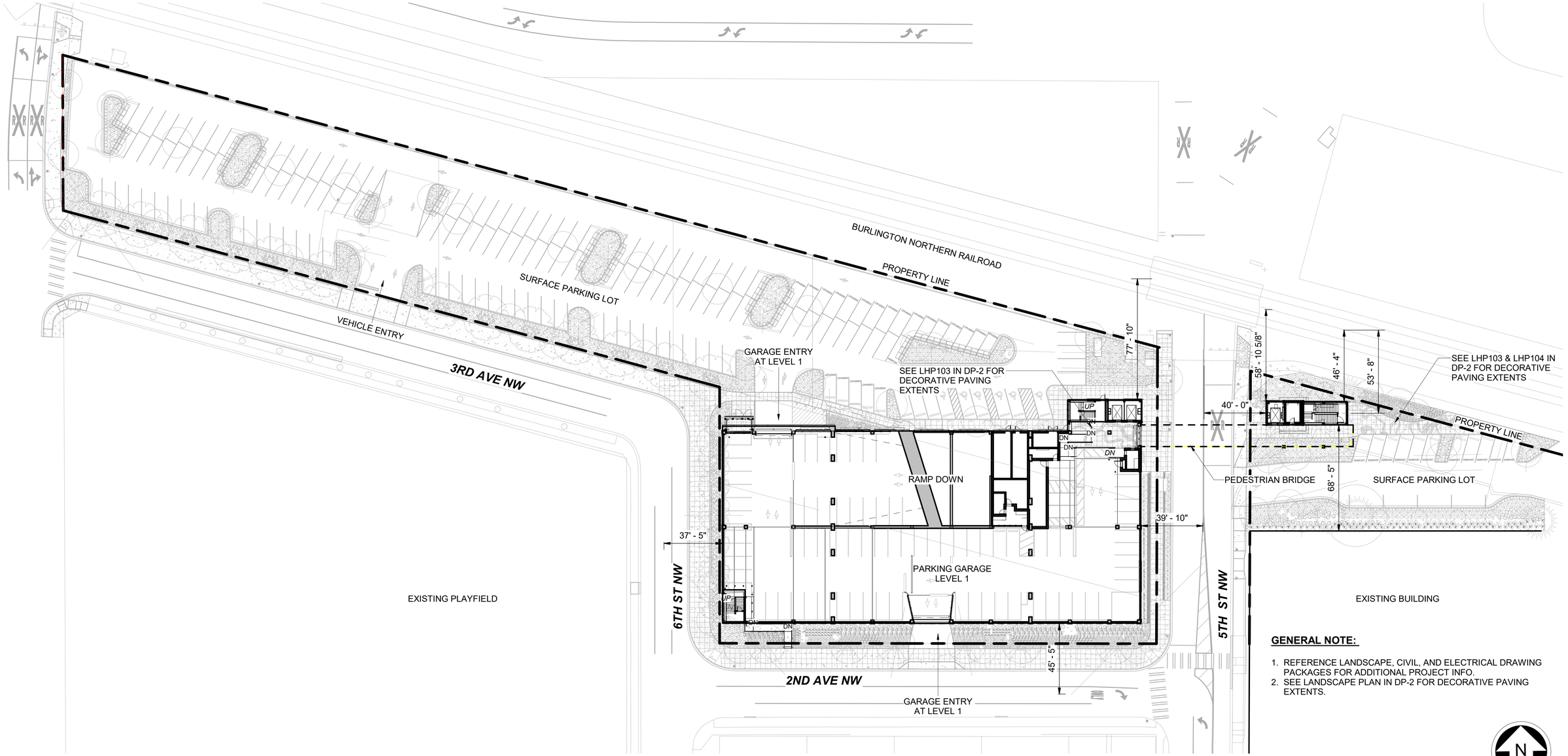
LINE IS 1" AT FULL SCALE

SOUNDTRANSIT

SCALE: NTS
FILENAME: S317-F1592-A_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
ARCHITECTURAL
OPEN AREA ELEVATION CALCULATIONS

DRAWING No.: F1592-AAE011
FACILITY ID: F1592
SHEET No.: 291
REV.: 0



GENERAL NOTE:

1. REFERENCE LANDSCAPE, CIVIL, AND ELECTRICAL DRAWING PACKAGES FOR ADDITIONAL PROJECT INFO.
2. SEE LANDSCAPE PLAN IN DP-2 FOR DECORATIVE PAVING EXTENTS.

N

40' 20' 0 40' 80'

SCALE IN FEET

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FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	CD	PC	BC	FINAL AS-BUILT

DESIGNED BY: C. DOMINGUEZ
DRAWN BY: M. BRYANT/ N. SMITH
CHECKED BY: P. CHUBB
APPROVED BY: B. CONNOLLY

MITHŪN
SUBMITTED BY: SARA ROBERTS

HENSEL PHELPS Plan. Build. Manage.
kpff
DATE: 10/26/2022

LINE IS 1" AT FULL SCALE

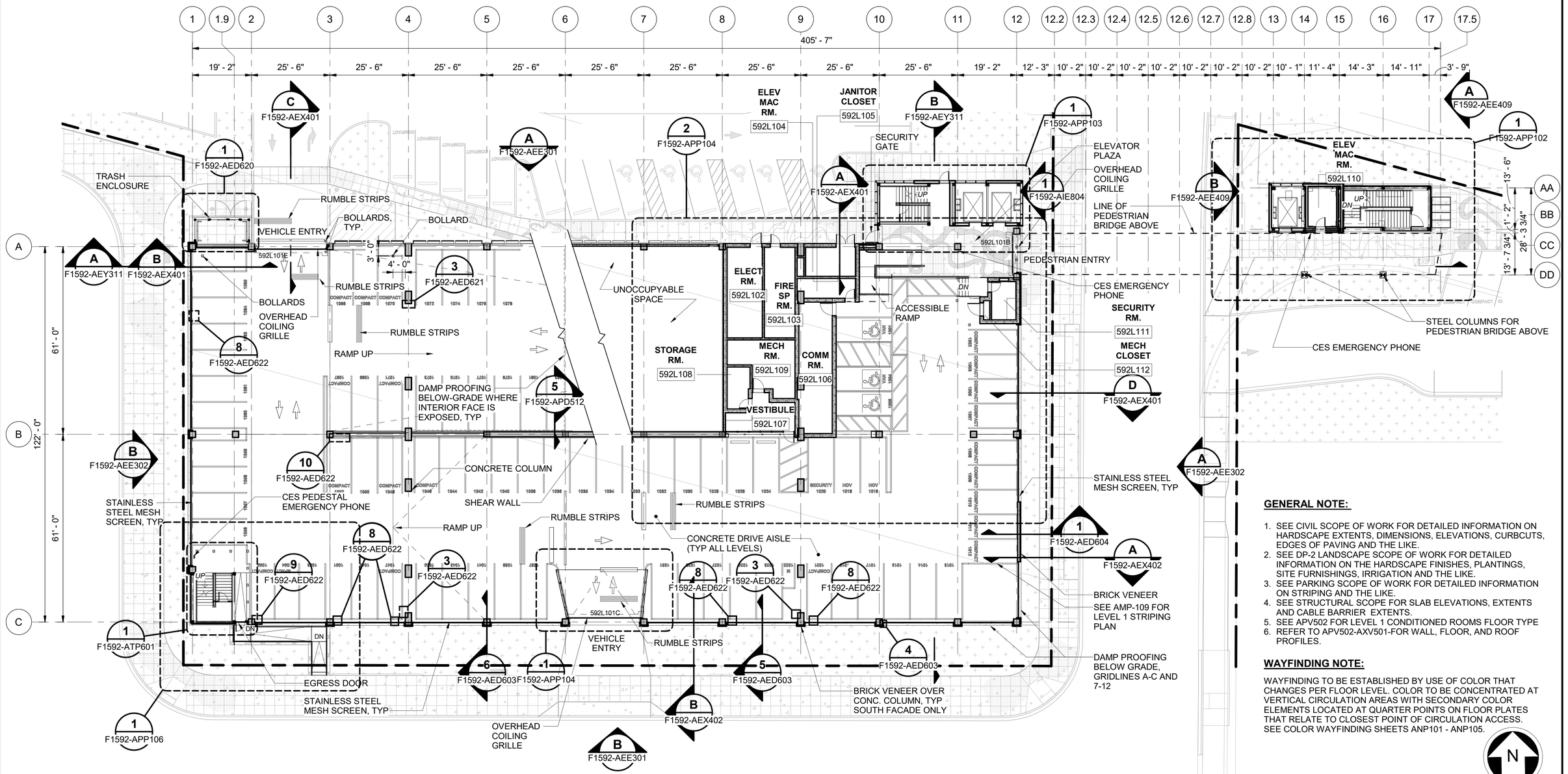
REVIEWED BY: GREG SHIMIZU

SOUNDTRANSIT
DATE: 10/26/2022

SCALE: 1/32" = 1'-0"
FILENAME: S317-F1592-A_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
ARCHITECTURAL
ARCHITECTURE SITE PLAN

DRAWING No.: F1592-ASP101
FACILITY ID: F1592
SHEET No.: 292
REV.: 0



GENERAL NOTE:

1. SEE CIVIL SCOPE OF WORK FOR DETAILED INFORMATION ON HARDSCAPE EXTENTS, DIMENSIONS, ELEVATIONS, CURBCUTS, EDGES OF PAVING AND THE LIKE.
2. SEE DP-2 LANDSCAPE SCOPE OF WORK FOR DETAILED INFORMATION ON THE HARDSCAPE FINISHES, PLANTINGS, SITE FURNISHINGS, IRRIGATION AND THE LIKE.
3. SEE PARKING SCOPE OF WORK FOR DETAILED INFORMATION ON STRIPING AND THE LIKE.
4. SEE STRUCTURAL SCOPE FOR SLAB ELEVATIONS, EXTENTS AND CABLE BARRIER EXTENTS.
5. SEE APV502 FOR LEVEL 1 CONDITIONED ROOMS FLOOR TYPE
6. REFER TO APV502-AXV501-FOR WALL, FLOOR, AND ROOF PROFILES.

WAYFINDING NOTE:

WAYFINDING TO BE ESTABLISHED BY USE OF COLOR THAT CHANGES PER FLOOR LEVEL. COLOR TO BE CONCENTRATED AT VERTICAL CIRCULATION AREAS WITH SECONDARY COLOR ELEMENTS LOCATED AT QUARTER POINTS ON FLOOR PLATES THAT RELATE TO CLOSEST POINT OF CIRCULATION ACCESS. SEE COLOR WAYFINDING SHEETS ANP101 - ANP105.

N

2' 0' 8' 16' 32'

SCALE IN FEET

FINAL AS-BUILT

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HENSEL PHELPS Plan. Build. Manage.
kpff
DATE: 10/26/2022
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LINE IS 1" AT FULL SCALE

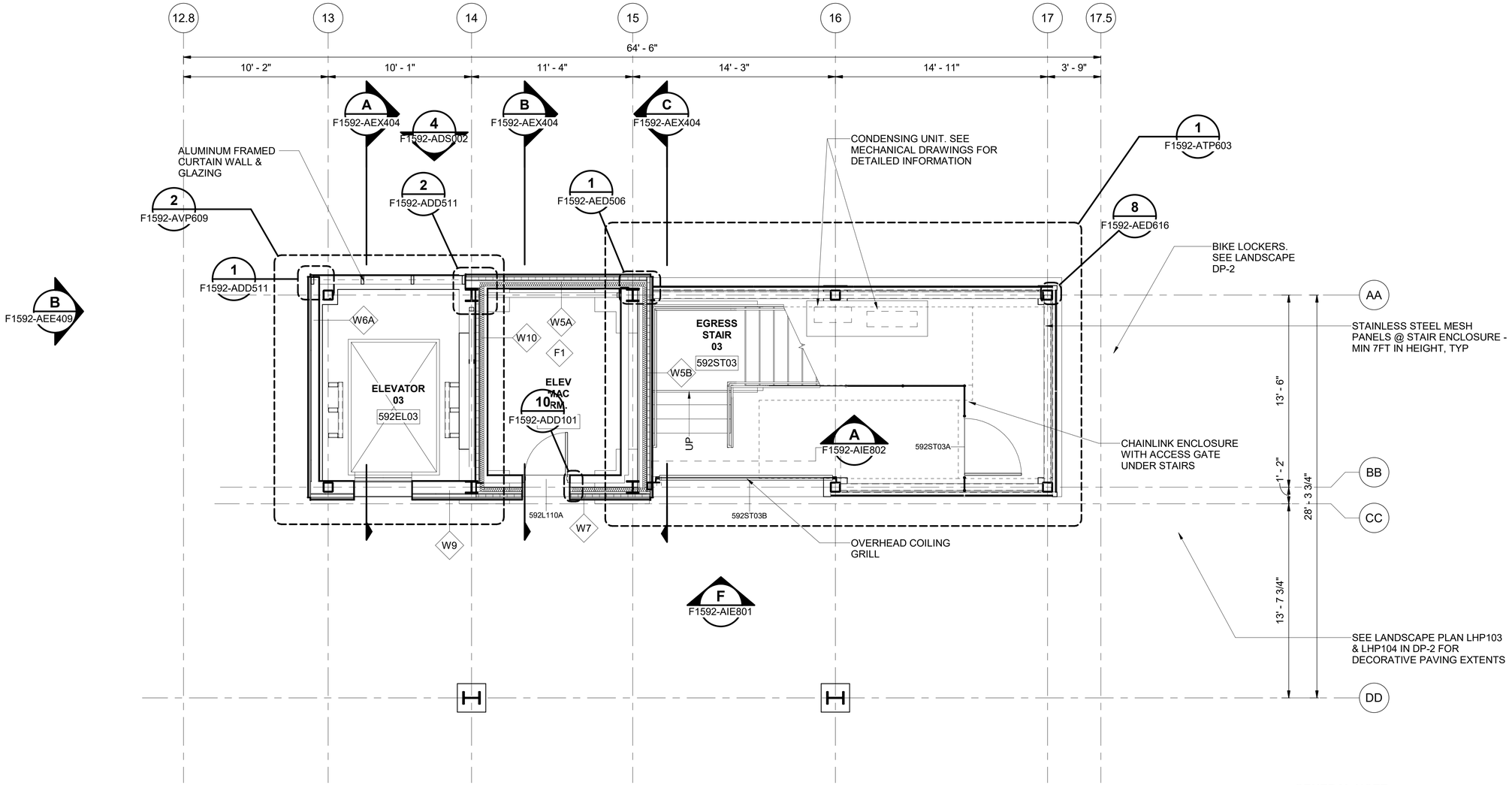
SOUNDTRANSIT
DATE: 10/26/2022

SCALE: 1/16" = 1'-0"
FILENAME: S317-F1592-A_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
ARCHITECTURAL
FLOOR PLAN - LEVEL 1

DRAWING No.: F1592-APP101
FACILITY ID: F1592
SHEET No: 293
REV: 0

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GENERAL NOTE:

1. SEE CIVIL SCOPE OF WORK FOR DETAILED INFORMATION ON HARDSCAPE, INCLUDING ELEVATIONS, EXTENTS, DIMENSIONS, CURBCUTS AND THE LIKE.
2. SEE LANDSCAPE SCOPE OF WORK FOR DETAILED INFORMATION ON THE HARDSCAPE FINISHES, SITE FURNISHINGS, PLANTINGS, IRRIGATION AND THE LIKE.
3. REFER TO APV502-AXV501-FOR WALL, FLOOR, AND ROOF PROFILES.
4. SEE LANDSCAPE PLAN IN DP-2 FOR DECORATIVE PAVING EXTENTS.

N

1' 0 2' 4' 8'

SCALE IN FEET

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FINAL AS-BUILT

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0	10/26/2022	CD	PC	BC	FINAL AS-BUILT

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MITHŪN
SUBMITTED BY: SARA ROBERTS

HENSEL PHELPS Plan. Build. Manage.
kpff
DATE: 10/26/2022
REVIEWED BY: GREG SHIMIZU

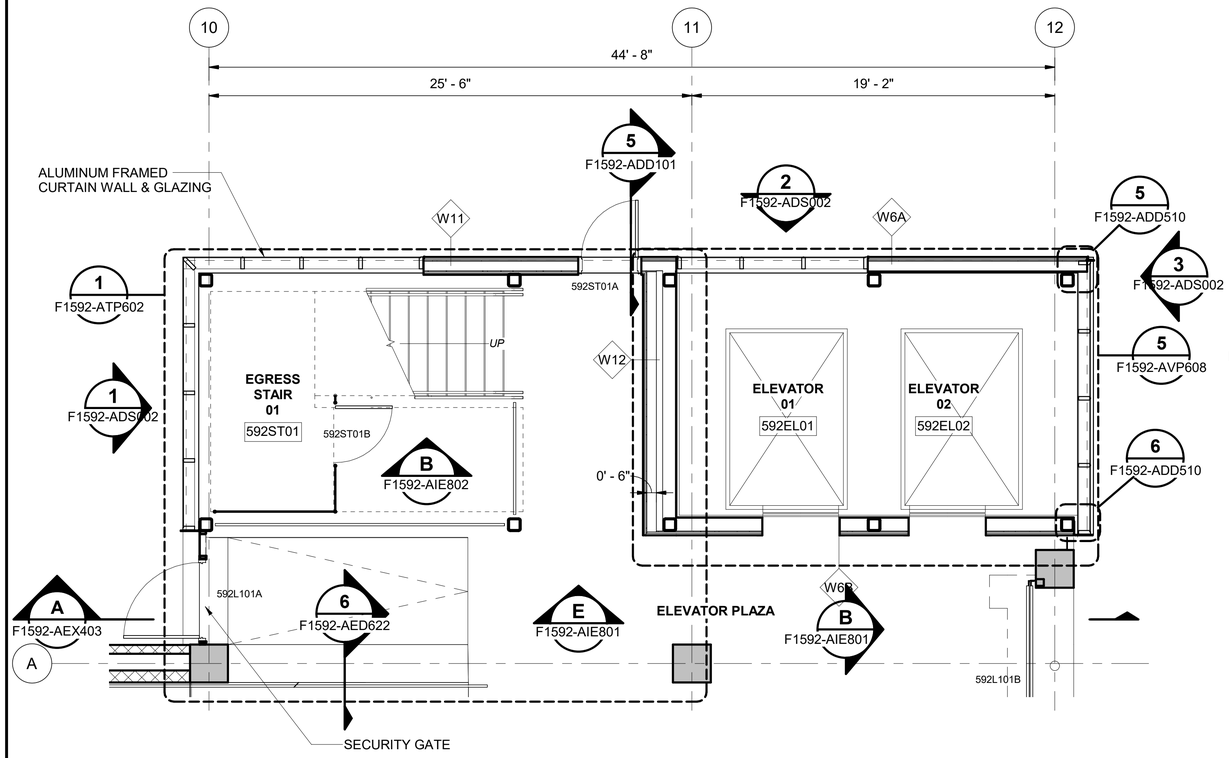
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SOUNDTRANSIT
DATE: 10/26/2022

SCALE: 1/4" = 1'-0"
FILENAME: S317-F1592-A_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
ARCHITECTURAL
EAST ABUTMENT ENLARGED PLAN - LEVEL 1

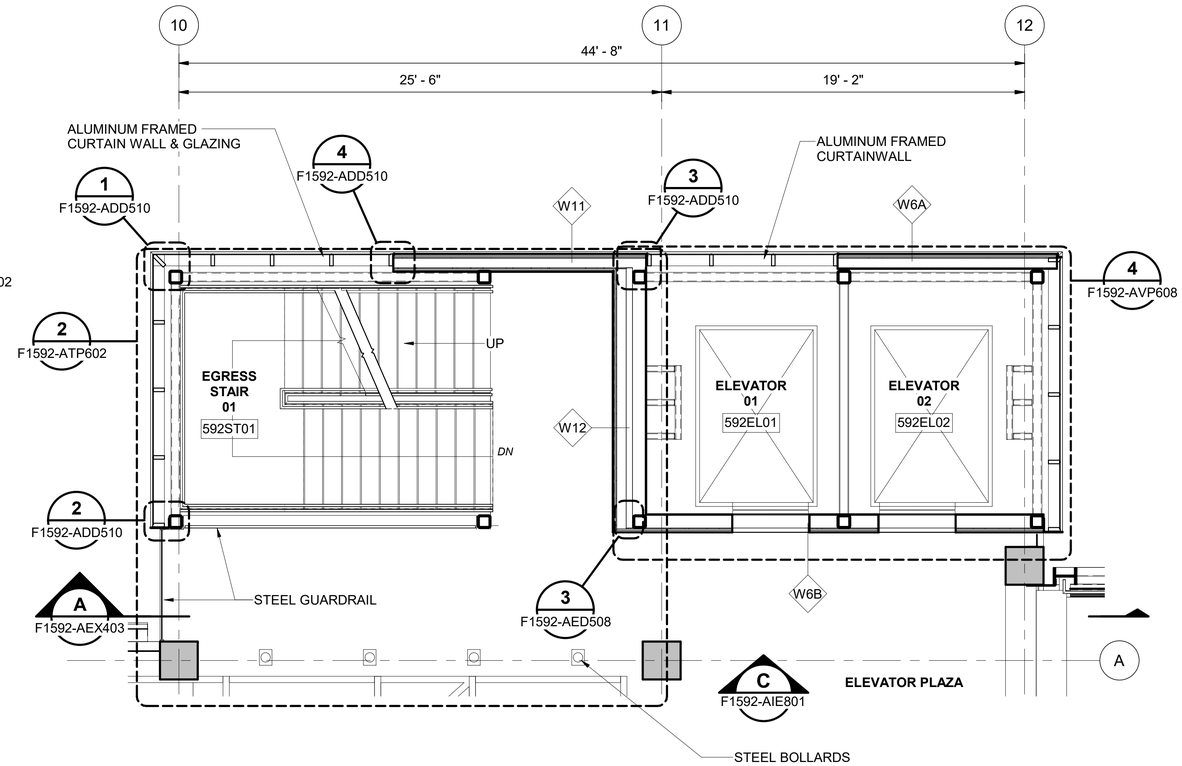
DRAWING No.: F1592-APP102
FACILITY ID: F1592
SHEET No.: 294
REV.: 0



GARAGE GROUND LEVEL - NORTH ELEVATOR AND STAIR ENLARGED PLAN

SCALE: 1/4" = 1'-0"

1 F1592-APP101



GARAGE TYPICAL LEVEL - NORTH ELEVATION AND STAIR ENLARGED PLAN (LEVELS 2-4)

SCALE: 1/4" = 1'-0"

2 F1592-APP201

N

GENERAL NOTE:

1. REFER TO APV502-AXV501-FOR WALL, FLOOR, AND ROOF PROFILES.

1' 0 2' 4' 8'

SCALE IN FEET

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0	10/26/2022	CD	PC	BC	FINAL AS-BUILT

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MITHŪN
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HENSEL PHELPS Plan. Build. Manage.
kpff
DATE: 10/26/2022

LINE IS 1" AT FULL SCALE

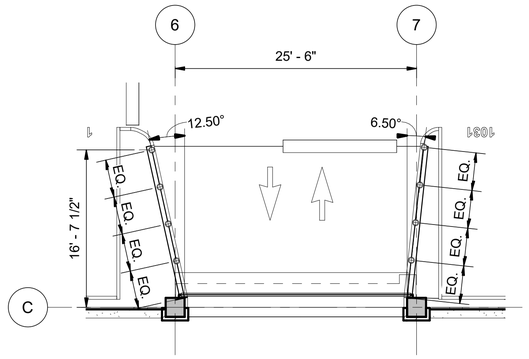
REVIEWED BY: GREG SHIMIZU

SOUNDTRANSIT
DATE: 10/26/2022

SCALE: 1/4" = 1'-0"
FILENAME: S317-F1592-A_v2020
CONTRACT No.: RTA/CN 0612-18
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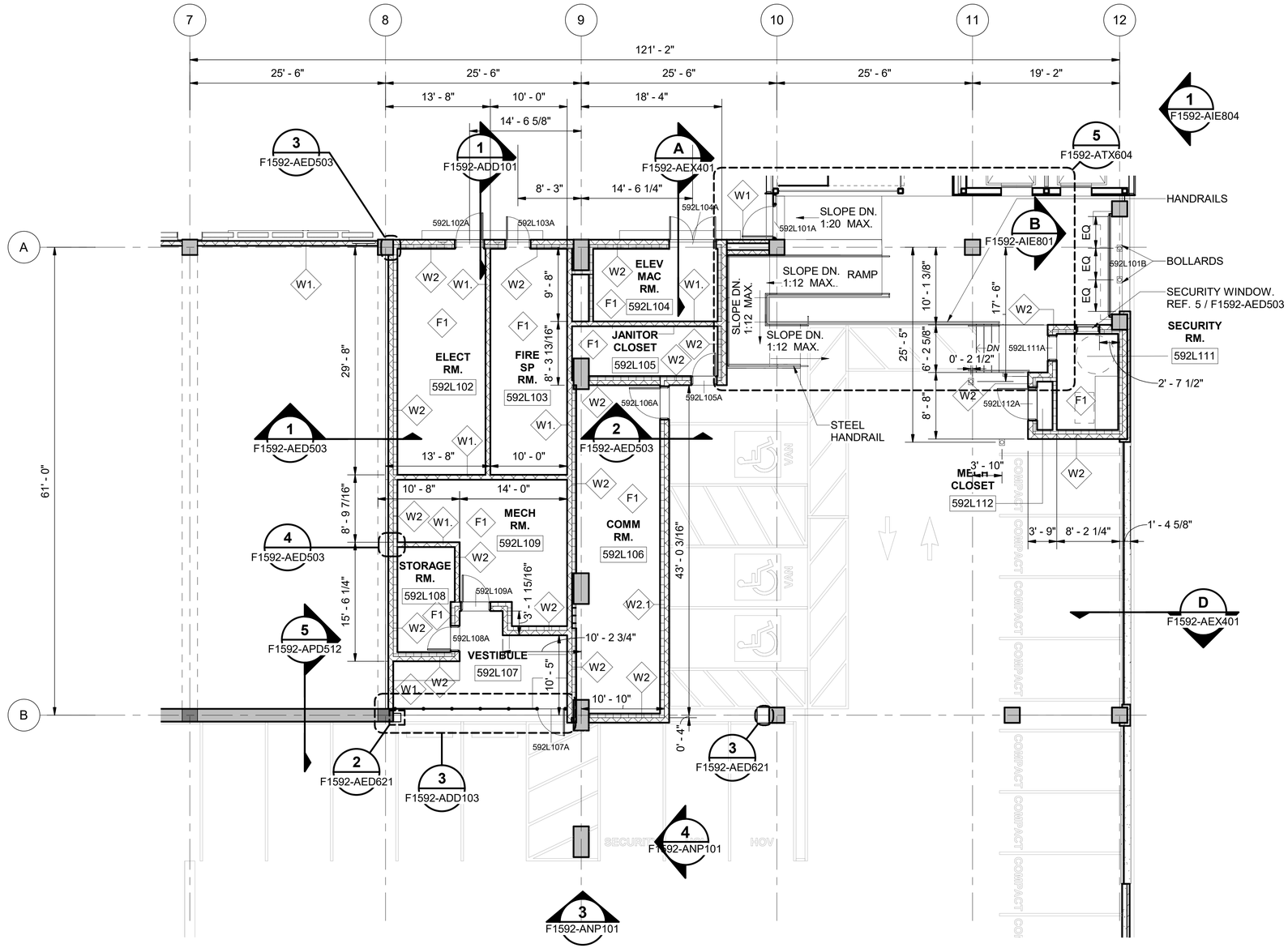
PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
ARCHITECTURAL
NORTH ELEVATOR AND STAIR PLAN

DRAWING No.: **F1592-APP103**
FACILITY ID: F1592
SHEET No.: 295
REV.: 0



SOUTH ENTRY BOLLARDS — 1 / F1592-APP101

SCALE: 1/8" = 1'-0"



GARAGE LEVEL 1 PROGRAM — 2 / F1592-APP101

SCALE: 1/8" = 1'-0"

N

GENERAL NOTE:

1. REFER TO APV502-AXV501-FOR WALL, FLOOR, AND ROOF PROFILES.

6/21/2022 4:26:55 PM
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MITHŪN
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HENSEL PHELPS Plan. Build. Manage. kpff
DATE: 10/26/2022

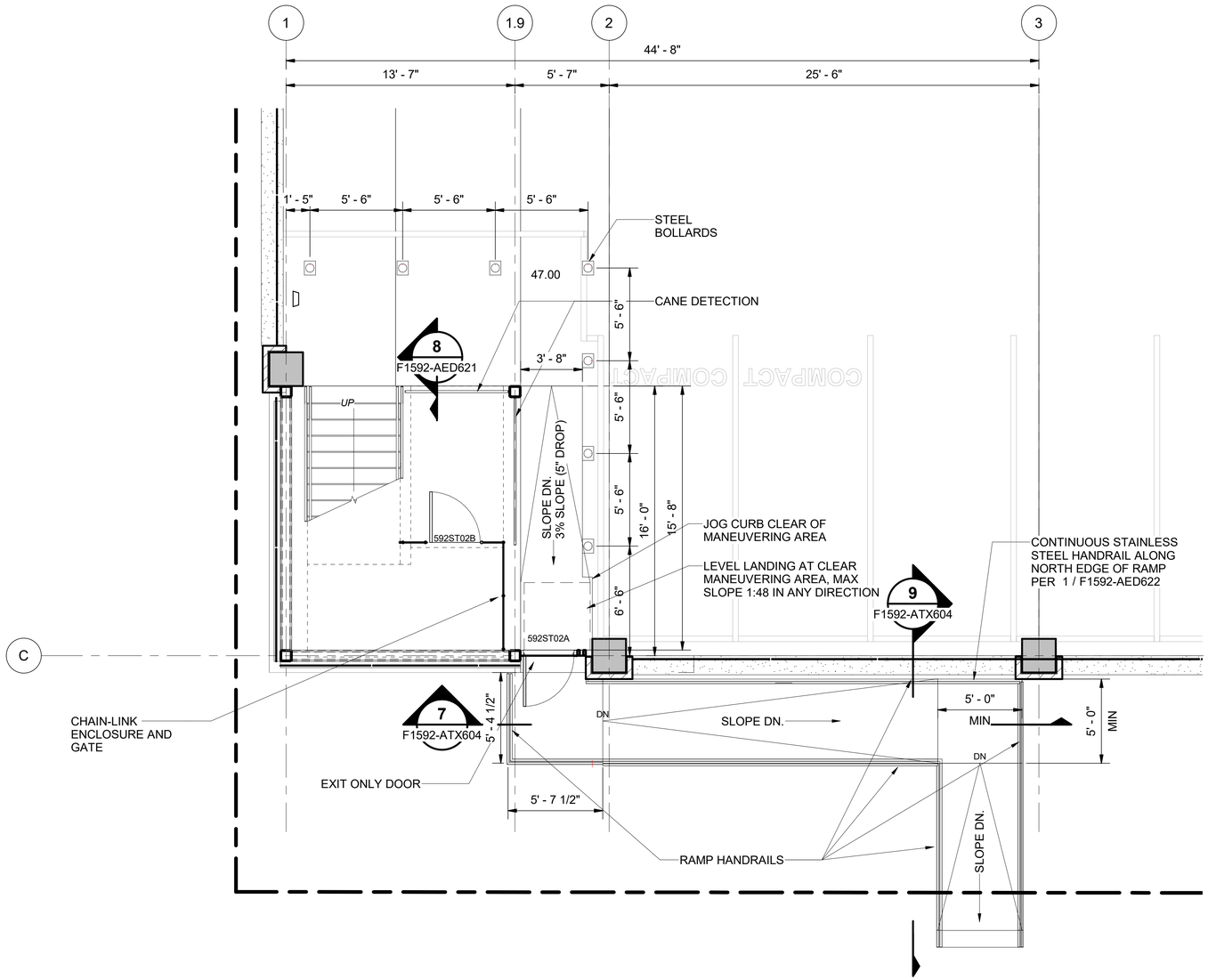
REVIEWED BY: GREG SHIMIZU
DATE: 10/26/2022

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT
SCALE: AS NOTED
FILENAME: S317-F1592-A_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
ARCHITECTURAL
PLAZA - LEVEL 1

DRAWING No.: F1592-APP104
FACILITY ID: F1592
SHEET No.: 296
REV.: 0



GARAGE LEVEL 1 SW CORNER RAMP

SCALE: 1/4" = 1'-0"

1 / F1592-APP101

1. REFERENCE CIVIL FOR ADDITIONAL PEDESTRIAN EXIT RAMP INFO.
2. THIS IS A FULLY COMPLIANT ADA RAMP. SEE DP-2 CIVIL SITE PLAN FOR MORE DETAILED INFORMATION.
3. REFER TO APV502-AXV501-FOR WALL, FLOOR, AND ROOF PROFILES.

N

1' 0 2' 4' 8'

SCALE IN FEET

6/21/2022 4:26:57 PM
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MITHŪN
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HENSEL PHELPS Plan. Build. Manage.
kpff
DATE: 10/26/2022
REVIEWED BY: GREG SHIMIZU

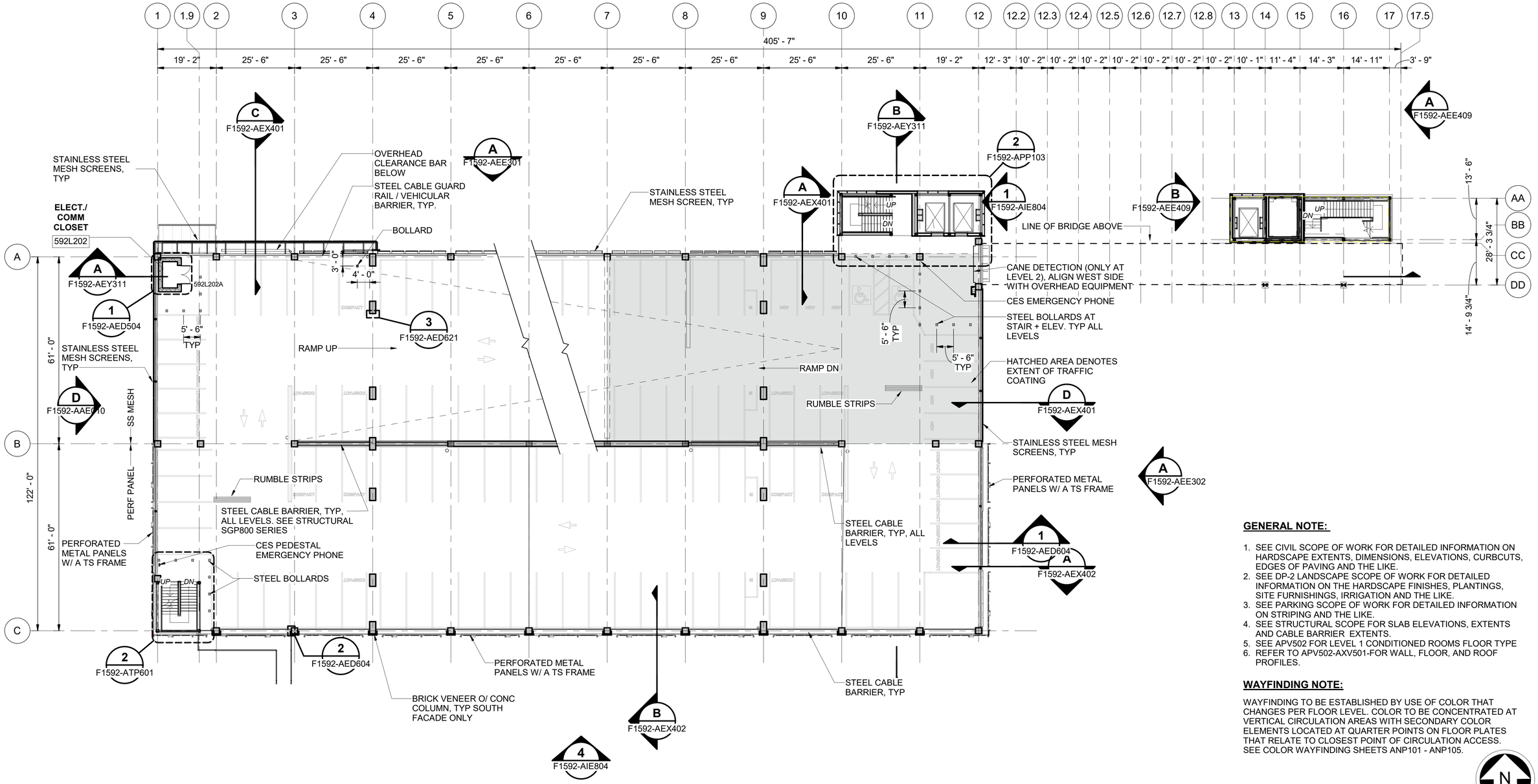
LINE IS 1" AT FULL SCALE

SOUNDTRANSIT
DATE: 10/26/2022

SCALE: 1/4" = 1'-0"
FILENAME: S317-F1592-A_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
ARCHITECTURAL
RAMP SW CORNER FLOOR PLAN - LEVEL 1

DRAWING No.: F1592-APP106
FACILITY ID: F1592
SHEET No.: 297
REV.: 0



GENERAL NOTE:

1. SEE CIVIL SCOPE OF WORK FOR DETAILED INFORMATION ON HARDSCAPE EXTENTS, DIMENSIONS, ELEVATIONS, CURBCUTS, EDGES OF PAVING AND THE LIKE.
2. SEE DP-2 LANDSCAPE SCOPE OF WORK FOR DETAILED INFORMATION ON THE HARDSCAPE FINISHES, PLANTINGS, SITE FURNISHINGS, IRRIGATION AND THE LIKE.
3. SEE PARKING SCOPE OF WORK FOR DETAILED INFORMATION ON STRIPING AND THE LIKE.
4. SEE STRUCTURAL SCOPE FOR SLAB ELEVATIONS, EXTENTS AND CABLE BARRIER EXTENTS.
5. SEE APV502 FOR LEVEL 1 CONDITIONED ROOMS FLOOR TYPE
6. REFER TO APV502-AXV501-FOR WALL, FLOOR, AND ROOF PROFILES.

WAYFINDING NOTE:

WAYFINDING TO BE ESTABLISHED BY USE OF COLOR THAT CHANGES PER FLOOR LEVEL. COLOR TO BE CONCENTRATED AT VERTICAL CIRCULATION AREAS WITH SECONDARY COLOR ELEMENTS LOCATED AT QUARTER POINTS ON FLOOR PLATES THAT RELATE TO CLOSEST POINT OF CIRCULATION ACCESS. SEE COLOR WAYFINDING SHEETS ANP101 - ANP105.

N

2' 0' 8' 16' 32'

SCALE IN FEET

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	CD	PC	BC	FINAL AS-BUILT

DESIGNED BY: C. DOMINGUEZ
DRAWN BY: M. BRYANT/ N. SMITH
CHECKED BY: P. CHUBB
APPROVED BY: B. CONNOLLY

MITHŪN
SUBMITTED BY: SARA ROBERTS

HENSEL PHELPS Plan. Build. Manage.
kpff
DATE: 10/26/2022
REVIEWED BY: GREG SHIMIZU

LINE IS 1" AT FULL SCALE

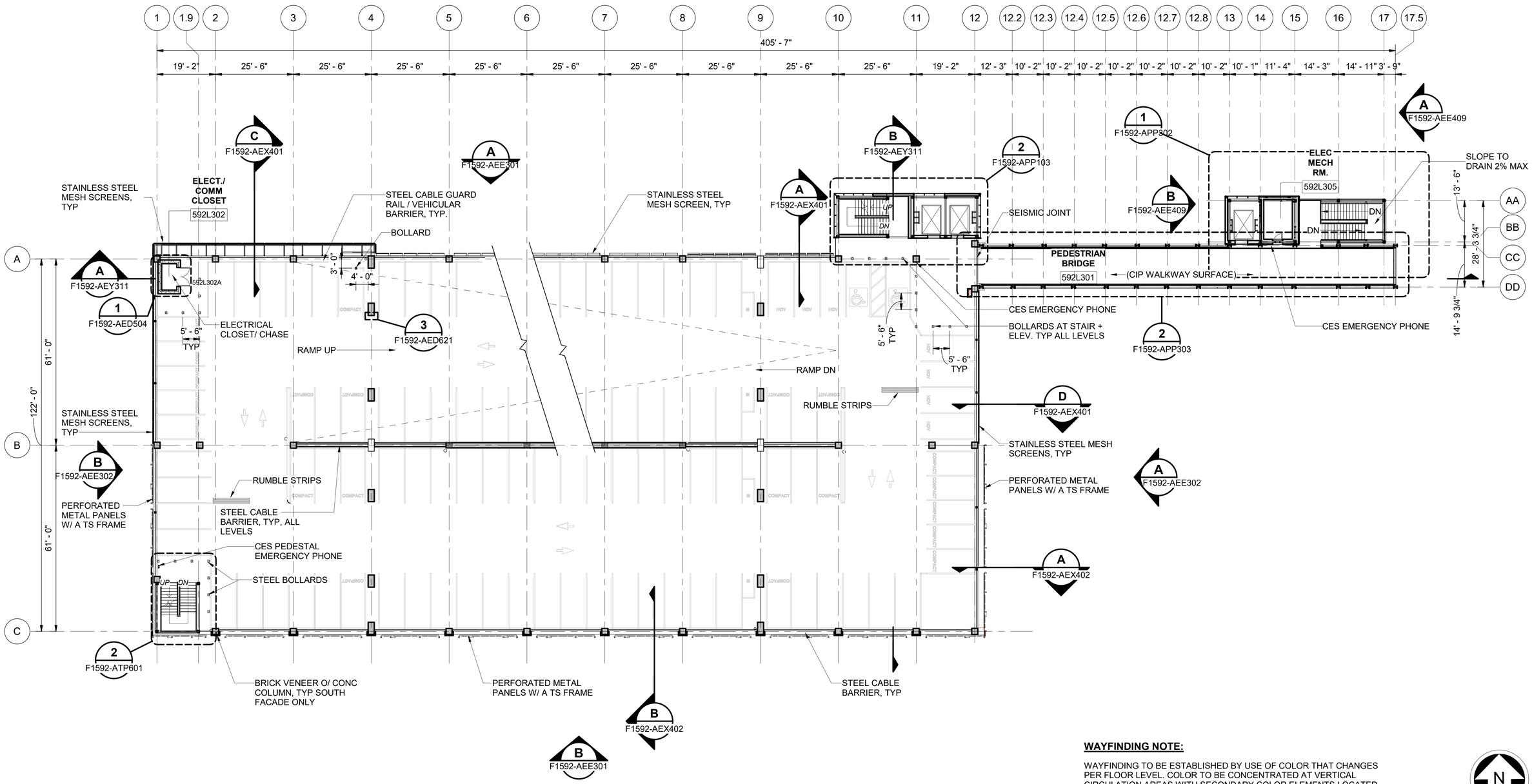
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DATE: 10/26/2022

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FILENAME: S317-F1592-A_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
ARCHITECTURAL
FLOOR PLAN - LEVEL 2

DRAWING No.: F1592-APP201
FACILITY ID: F1592
SHEET No.: 298
REV.: 0

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WAYFINDING NOTE:

WAYFINDING TO BE ESTABLISHED BY USE OF COLOR THAT CHANGES PER FLOOR LEVEL. COLOR TO BE CONCENTRATED AT VERTICAL CIRCULATION AREAS WITH SECONDARY COLOR ELEMENTS LOCATED AT QUARTER POINTS ON FLOOR PLATES THAT RELATE TO CLOSEST POINT OF CIRCULATION ACCESS.

N

2' 0' 8' 16' 32'

SCALE IN FEET

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	CD	PC	BC	FINAL AS-BUILT

DESIGNED BY: C. DOMINGUEZ
DRAWN BY: M. BRYANT/ N. SMITH
CHECKED BY: P. CHUBB
APPROVED BY: B. CONNOLLY

MITHŪN
SUBMITTED BY: SARA ROBERTS

HENSEL PHELPS Plan. Build. Manage.
kpff
DATE: 10/26/2022

REVIEWED BY: GREG SHIMIZU
DATE: 10/26/2022

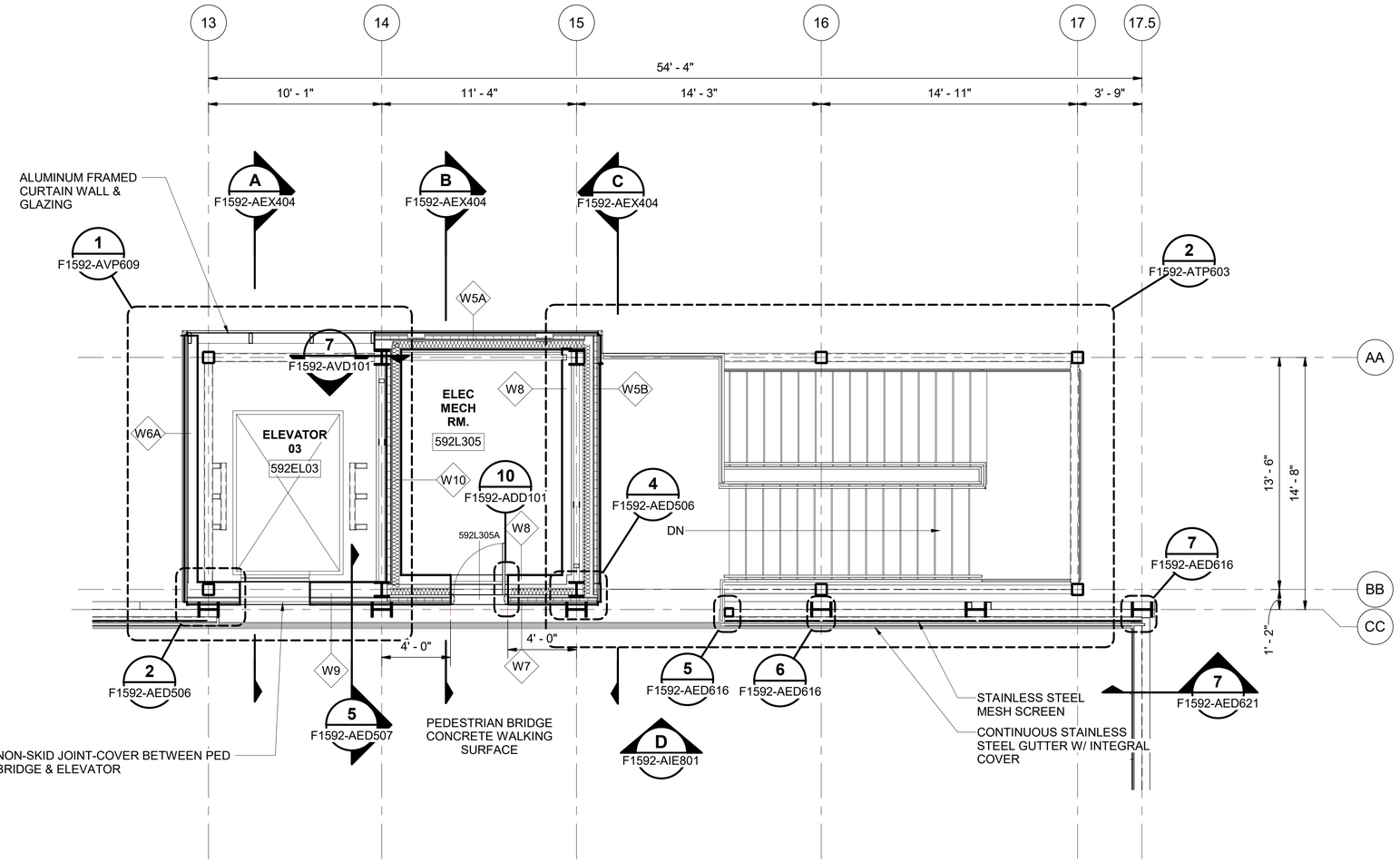
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SOUNDTRANSIT
SCALE: 1/16" = 1'-0"
FILENAME: S317-F1592-A_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
ARCHITECTURAL
FLOOR PLAN - LEVEL 3

DRAWING No.: F1592-APP301
FACILITY ID: F1592
SHEET No: 299
REV: 0

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GENERAL NOTE:

1. REFER TO APV502-AXV501-FOR WALL, FLOOR, AND ROOF PROFILES.

1' 0 2' 4' 8'

SCALE IN FEET

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	CD	PC	BC	FINAL AS-BUILT

DESIGNED BY: C. DOMINGUEZ
DRAWN BY: M. BRYANT/ N. SMITH
CHECKED BY: P. CHUBB
APPROVED BY: B. CONNOLLY

MITHŪN
SUBMITTED BY: SARA ROBERTS

HENSEL PHELPS Plan. Build. Manage.
kpff
DATE: 10/26/2022
REVIEWED BY: GREG SHIMIZU

LINE IS 1" AT FULL SCALE

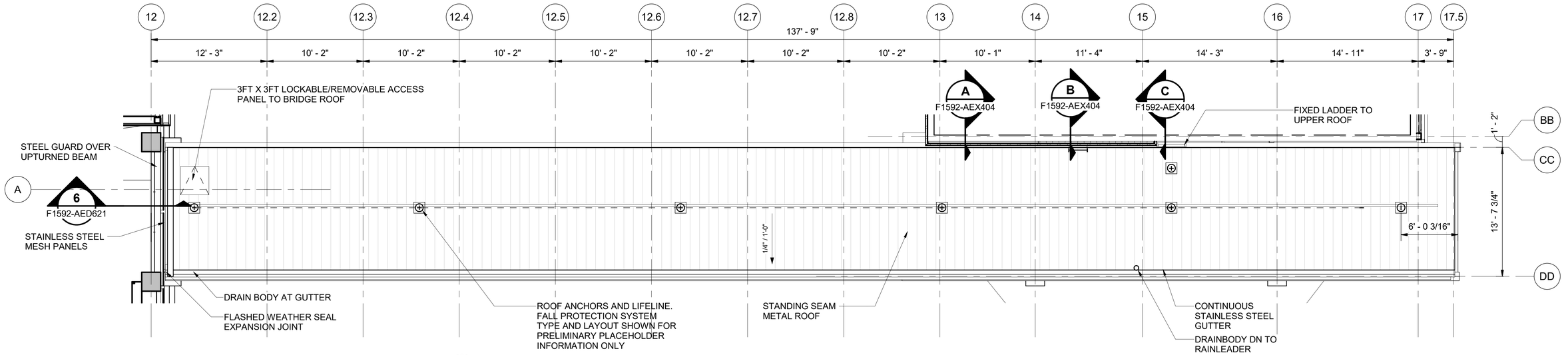
SOUNDTRANSIT
DATE: 10/26/2022

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FILENAME: S317-F1592-A_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
ARCHITECTURAL
EAST ABUTMENT ENLARGED PLAN - LEVEL 3

DRAWING No.: F1592-APP302
FACILITY ID: F1592
SHEET No: 300
REV: 0

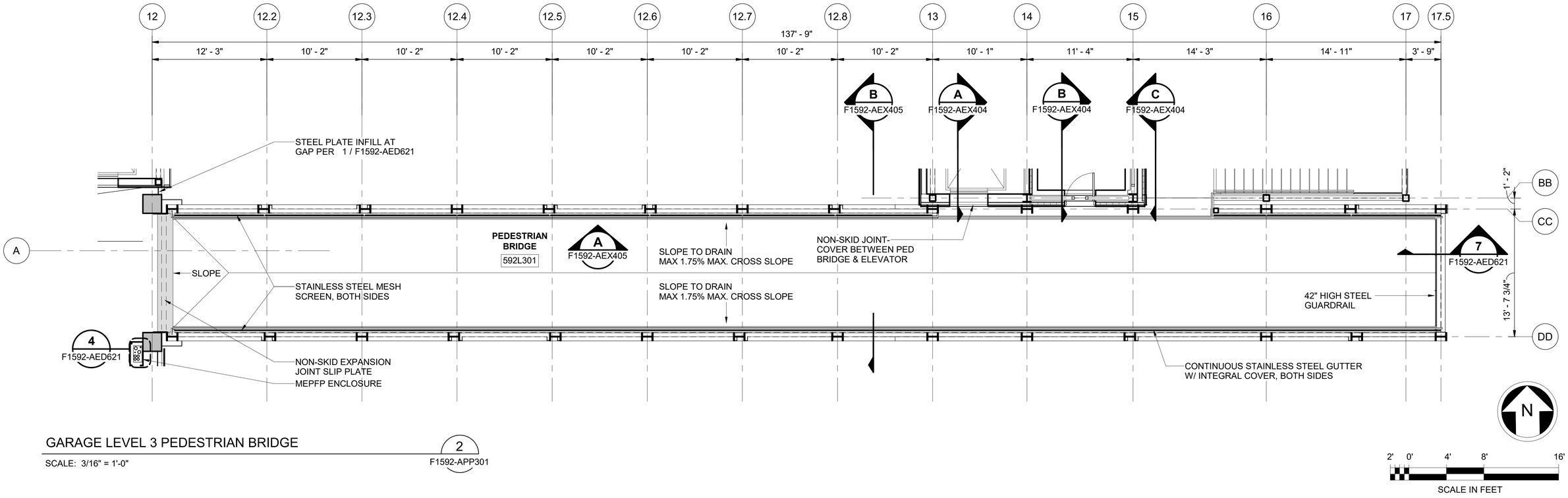
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PEDESTRIAN BRIDGE ROOF

1 / F1592-APP401

SCALE: 3/16" = 1'-0"



GARAGE LEVEL 3 PEDESTRIAN BRIDGE

2 / F1592-APP301

SCALE: 3/16" = 1'-0"

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	CD	PC	BC	FINAL AS-BUILT

DESIGNED BY: C. DOMINGUEZ
DRAWN BY: M. BRYANT/ N. SMITH
CHECKED BY: P. CHUBB
APPROVED BY: B. CONNOLLY

MITHŪN
HENSEL PHELPS Plan. Build. Manage.
kpff
SOUNDTRANSIT

SUBMITTED BY: SARA ROBERTS
DATE: 10/26/2022
REVIEWED BY: GREG SHIMIZU
DATE: 10/26/2022

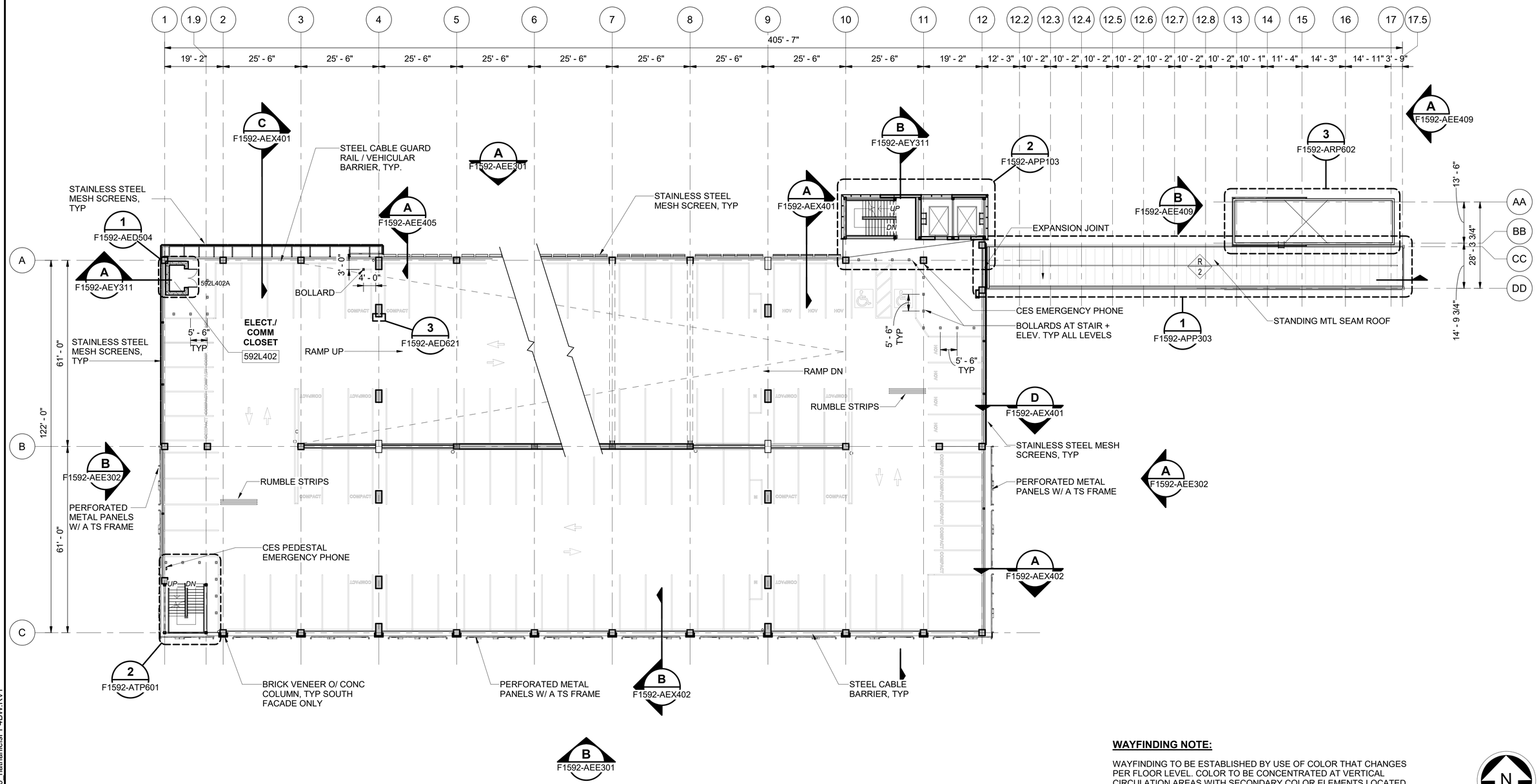
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FILENAME: S317-F1592-A_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
ARCHITECTURAL
ENLARGED PLANS - LEVEL 3

DRAWING No.: F1592-APP303
FACILITY ID: F1592
SHEET No: 301
REV: 0

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WAYFINDING NOTE:

WAYFINDING TO BE ESTABLISHED BY USE OF COLOR THAT CHANGES PER FLOOR LEVEL. COLOR TO BE CONCENTRATED AT VERTICAL CIRCULATION AREAS WITH SECONDARY COLOR ELEMENTS LOCATED AT QUARTER POINTS ON FLOOR PLATES THAT RELATE TO CLOSEST POINT OF CIRCULATION ACCESS.

GENERAL NOTE:

1. REFER TO APV502-AXV501-FOR WALL, FLOOR, AND ROOF PROFILES.

N

2' 0' 8' 16' 32'

SCALE IN FEET

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	CD	PC	BC	FINAL AS-BUILT

DESIGNED BY: C. DOMINGUEZ
DRAWN BY: M. BRYANT/ N. SMITH
CHECKED BY: P. CHUBB
APPROVED BY: B. CONNOLLY

MITHŪN
SUBMITTED BY: SARA ROBERTS

HENSEL PHELPS Plan. Build. Manage.
kpff
DATE: 10/26/2022

REVIEWED BY: GREG SHIMIZU
DATE: 10/26/2022

SOUNDTRANSIT
SUBMITTAL DATE: 10/26/2022

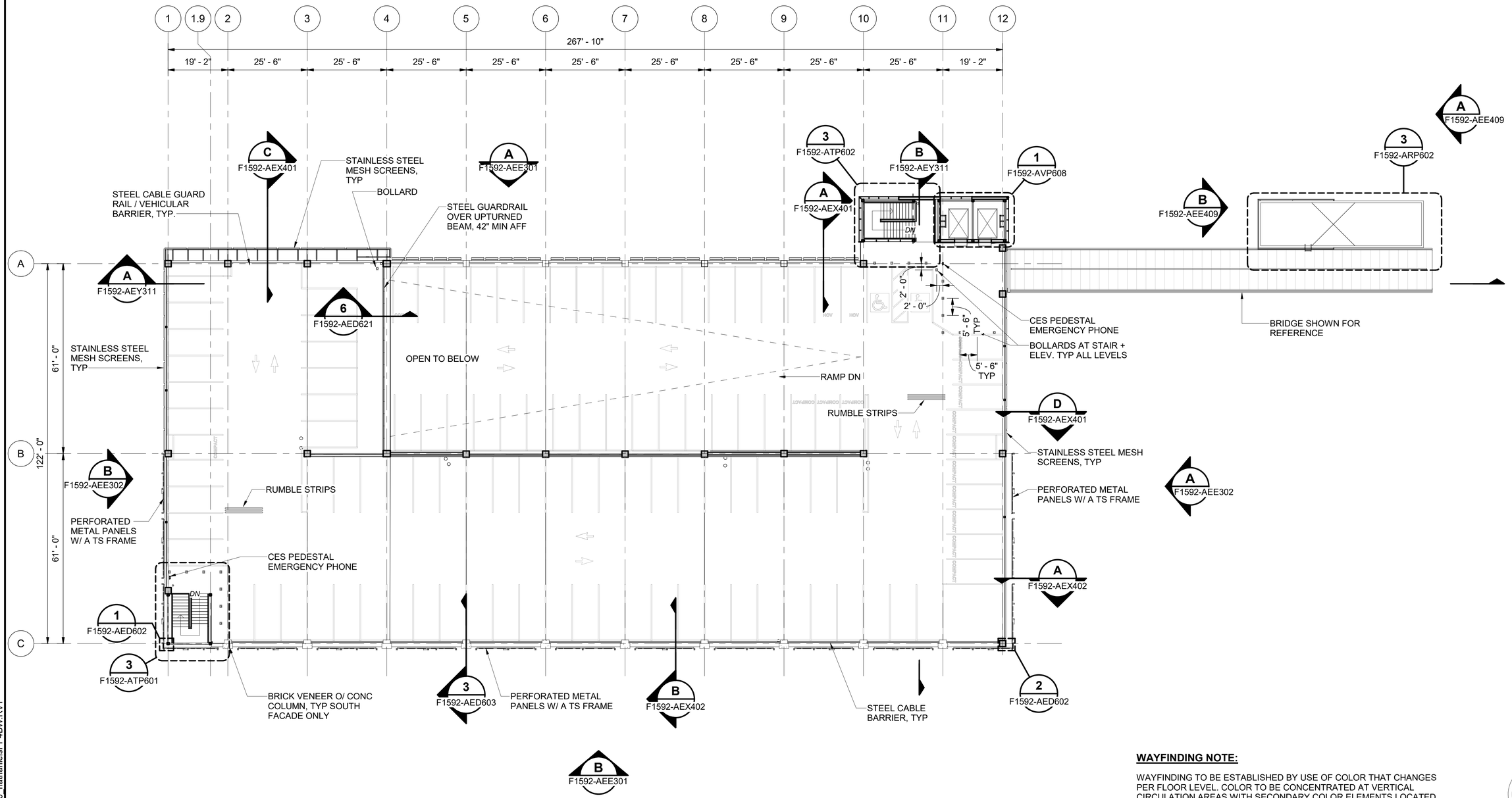
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SCALE: 1/16" = 1'-0"
FILENAME: S317-F1592-A_v2020
CONTRACT No.: RTA/CN 0612-18

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
ARCHITECTURAL
FLOOR PLAN - LEVEL 4

DRAWING No.: **F1592-APP401**
FACILITY ID: F1592
SHEET No.: 302
REV.: 0

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WAYFINDING NOTE:

WAYFINDING TO BE ESTABLISHED BY USE OF COLOR THAT CHANGES PER FLOOR LEVEL. COLOR TO BE CONCENTRATED AT VERTICAL CIRCULATION AREAS WITH SECONDARY COLOR ELEMENTS LOCATED AT QUARTER POINTS ON FLOOR PLATES THAT RELATE TO CLOSEST POINT OF CIRCULATION ACCESS.

N

2' 0' 8' 16' 32'

SCALE IN FEET

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	CD	PC	BC	FINAL AS-BUILT

DESIGNED BY: C. DOMINGUEZ
DRAWN BY: M. BRYANT/ N. SMITH
CHECKED BY: P. CHUBB
APPROVED BY: B. CONNOLLY

MITHŪN
SUBMITTED BY: SARA ROBERTS

HENSEL PHELPS Plan. Build. Manage.
kpff
DATE: 10/26/2022

LINE IS 1" AT FULL SCALE

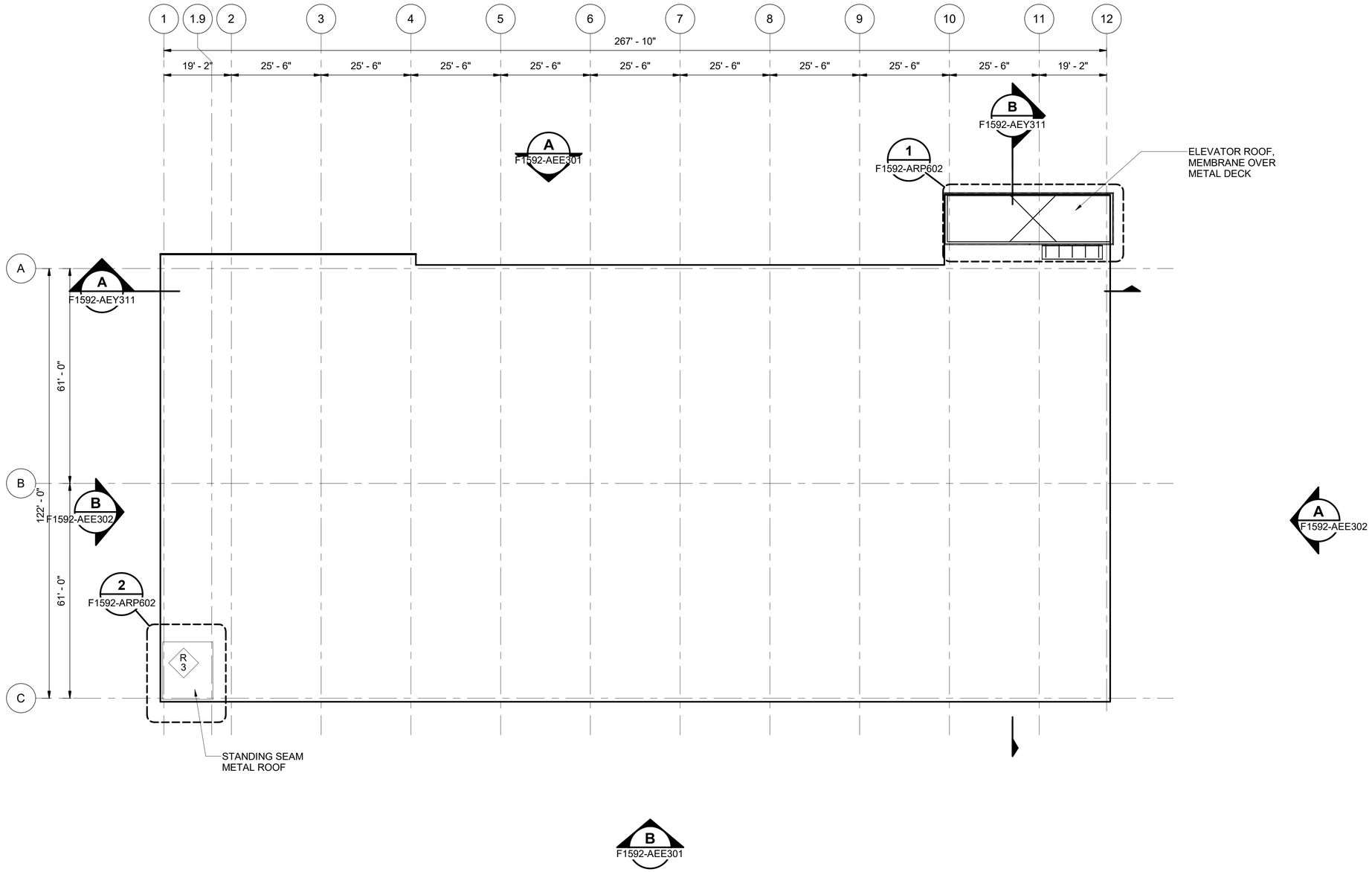
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REVIEWED BY: GREG SHIMIZU
DATE: 10/26/2022

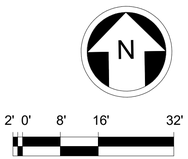
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FILENAME: S317-F1592-A_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
ARCHITECTURAL
FLOOR PLAN - LEVEL 5

DRAWING No.: F1592-APP501
FACILITY ID: F1592
SHEET No: 303
REV: 0

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FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	CD	PC	BC	FINAL AS-BUILT

DESIGNED BY: C. DOMINGUEZ
DRAWN BY: M. BRYANT/ N. SMITH
CHECKED BY: P. CHUBB
APPROVED BY: B. CONNOLLY

MITHŪN
SUBMITTED BY: SARA ROBERTS

HENSEL PHELPS Plan. Build. Manage.
kpff
DATE: 10/26/2022

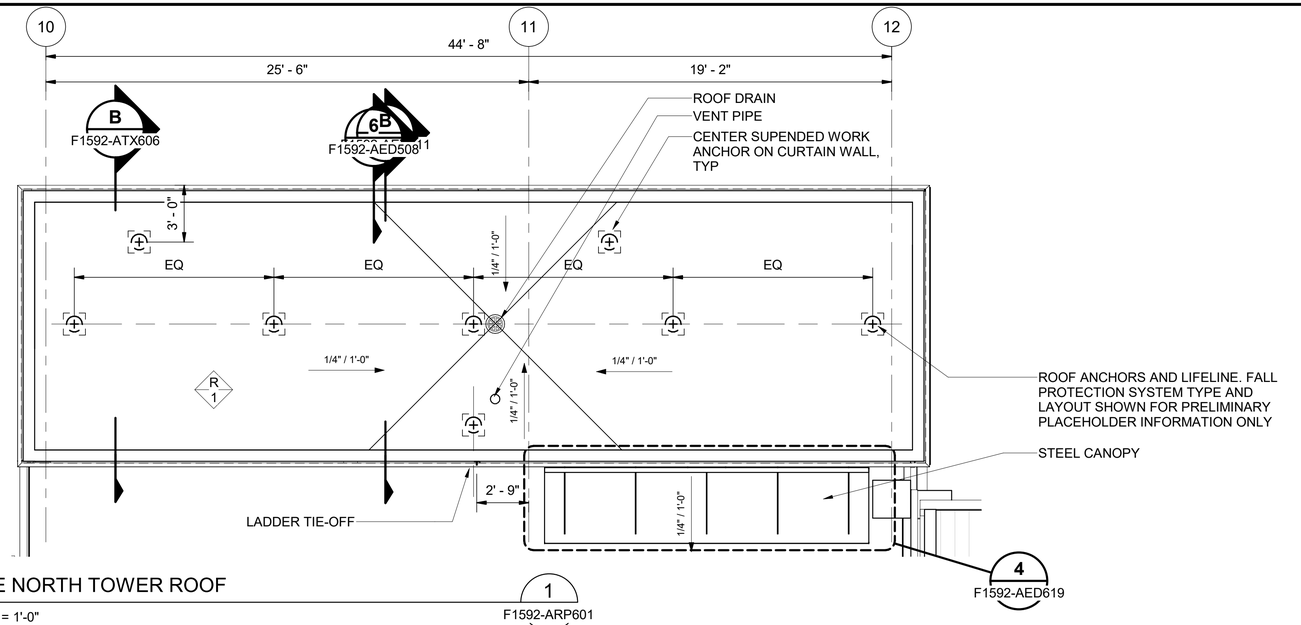
REVIEWED BY: GREG SHIMIZU
DATE: 10/26/2022

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT
SCALE: 1/16" = 1'-0"
FILENAME: S317-F1592-A_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

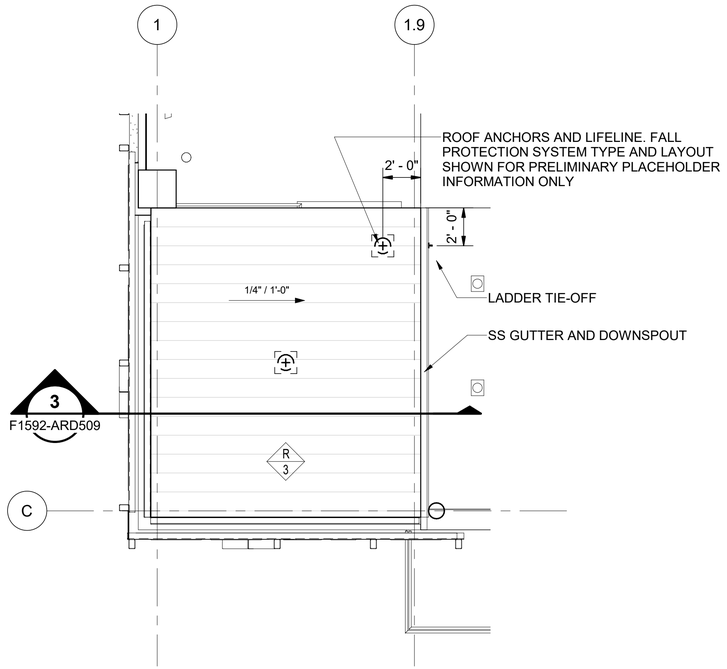
PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
ARCHITECTURAL
ROOF PLAN

DRAWING No.: **F1592-ARP601**
FACILITY ID: F1592
SHEET No: 304
REV: 0



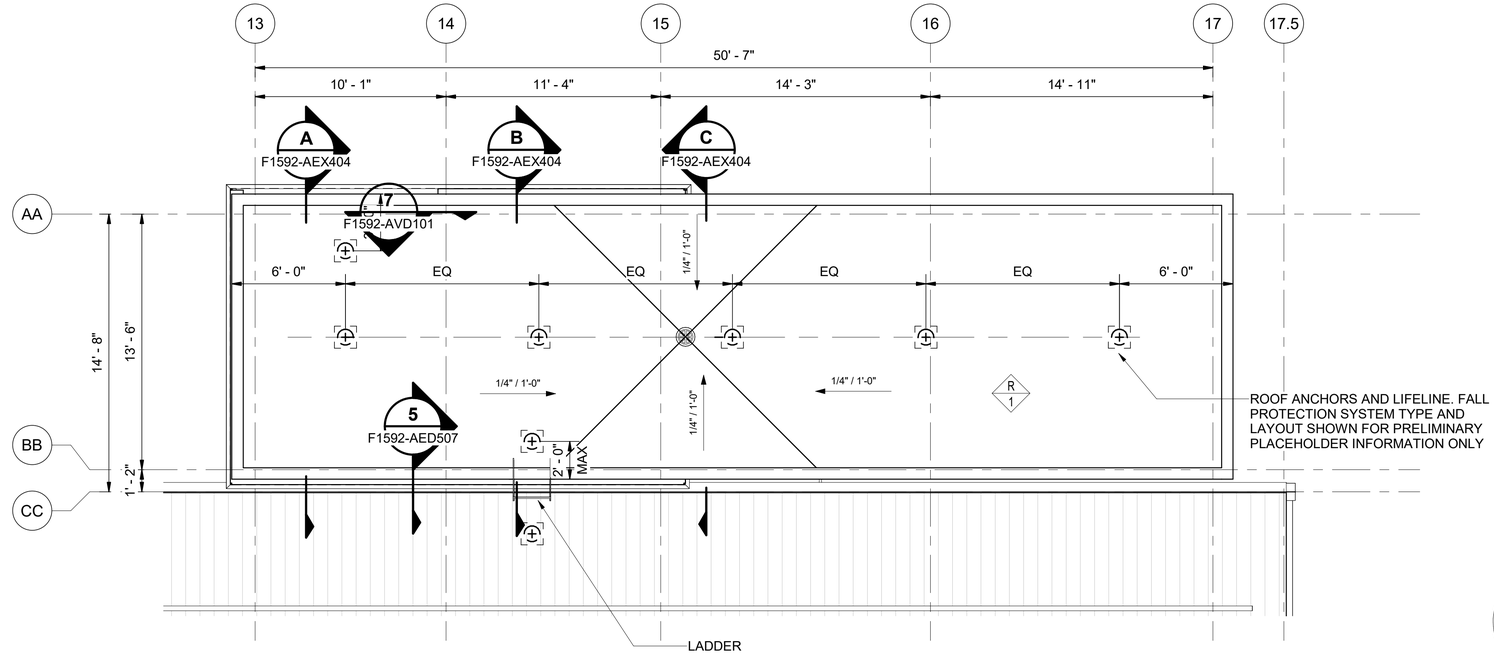
GARAGE NORTH TOWER ROOF — 1 / F1592-ARP601

SCALE: 1/4" = 1'-0"



GARAGE SOUTH WEST TOWER ROOF — 2 / F1592-ARP601

SCALE: 1/4" = 1'-0"



EAST ABUTMENT ROOF — 3 / F1592-APP401

SCALE: 1/4" = 1'-0"

GENERAL NOTE:

1. REFER TO APV502-AXV501-FOR WALL, FLOOR, AND ROOF PROFILES.

N

1' 0 2' 4' 8'

SCALE IN FEET

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FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	CD	PC	BC	FINAL AS-BUILT

DESIGNED BY: C. DOMINGUEZ
DRAWN BY: M. BRYANT/ N. SMITH
CHECKED BY: P. CHUBB
APPROVED BY: B. CONNOLLY

MITHŪN
SUBMITTED BY: SARA ROBERTS

HENSEL PHELPS Plan. Build. Manage.
kpff
DATE: 10/26/2022
REVIEWED BY: GREG SHIMIZU

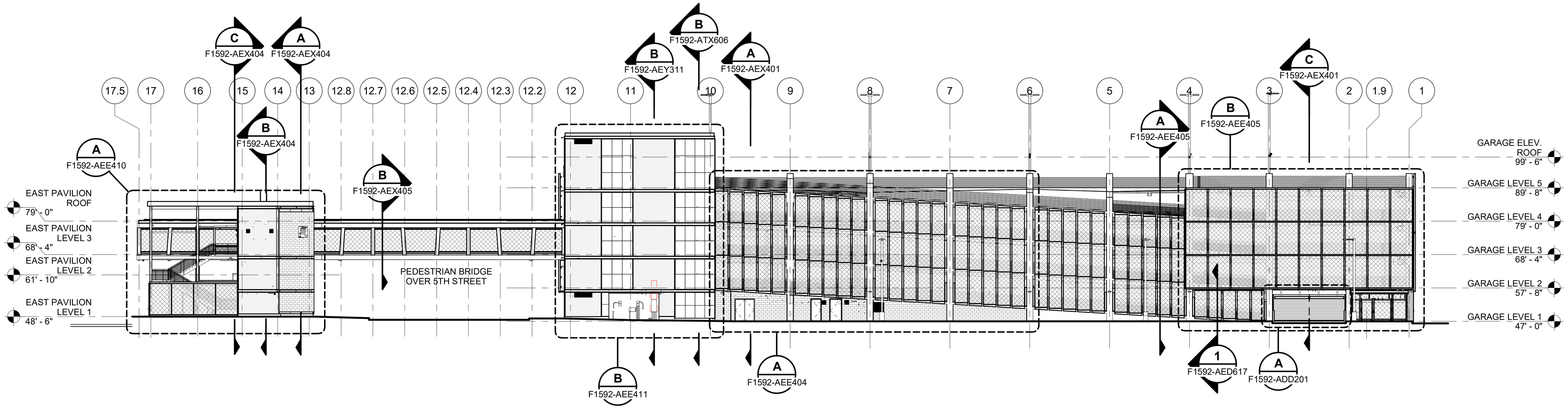
LINE IS 1" AT FULL SCALE

SOUNDTRANSIT
DATE: 10/26/2022

SCALE: 1/4" = 1'-0"
FILENAME: S317-F1592-A_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
ARCHITECTURAL
ENLARGED ROOF PLANS

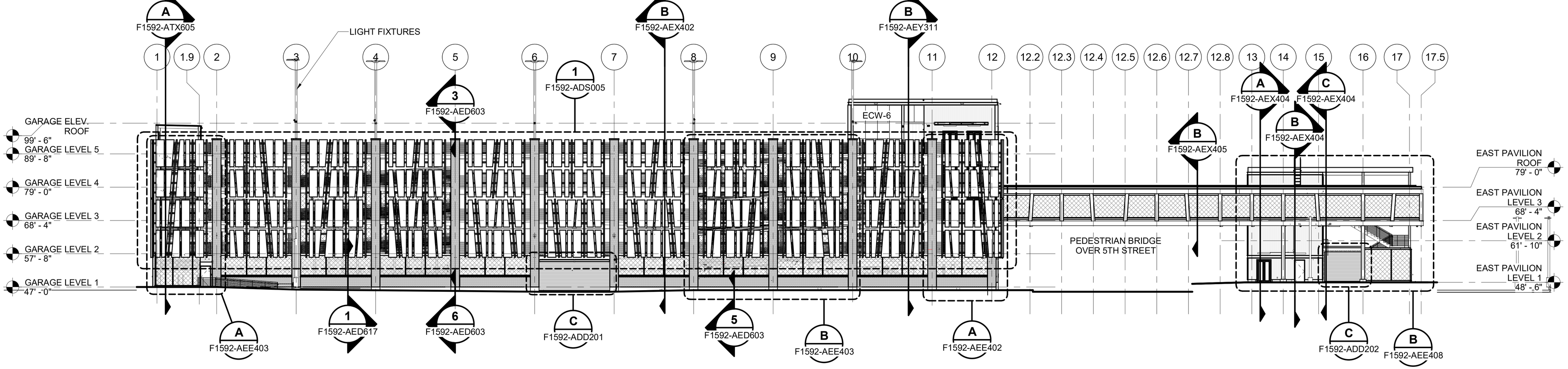
DRAWING No.: F1592-ARP602
FACILITY ID: F1592
SHEET No.: 305
REV.: 0



NORTH

SCALE: 1/16" = 1'-0"

A F1592-APP101



SOUTH

SCALE: 1/16" = 1'-0"

B F1592-APP101

2' 0' 8' 16' 32'

SCALE IN FEET

6/21/2022 4:22:22 PM
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FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	CD	PC	BC	FINAL AS-BUILT

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DRAWN BY: M. BRYANT/ N. SMITH
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HENSEL PHELPS Plan. Build. Manage.
kpff
DATE: 10/26/2022

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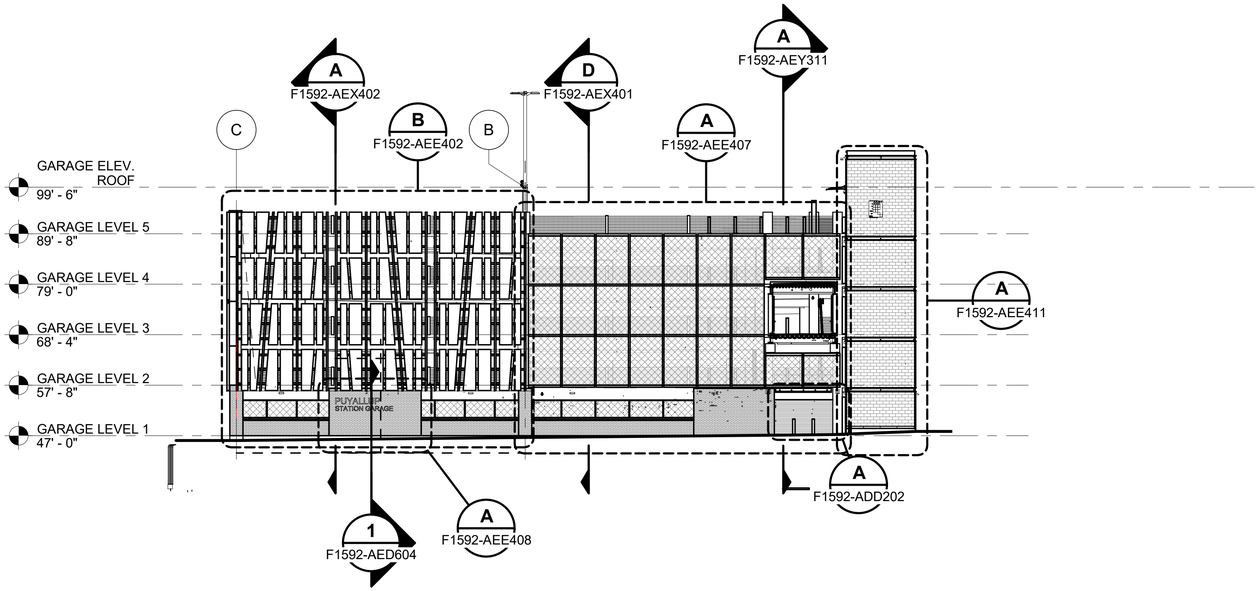
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SOUNDTRANSIT

SCALE: 1/16" = 1'-0"
FILENAME: S317-F1592-A_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
ARCHITECTURAL
BUILDING ELEVATIONS

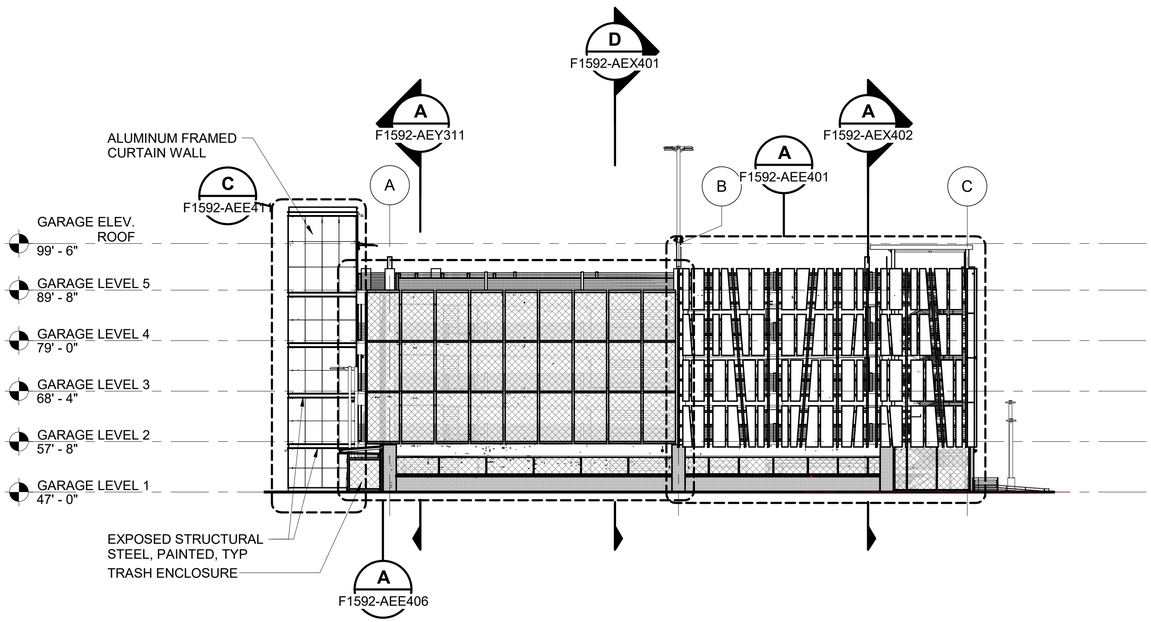
DRAWING No.: F1592-AEE301
FACILITY ID: F1592
SHEET No.: 306
REV.: 0



EAST

SCALE: 1/16" = 1'-0"

A
F1592-APP101



WEST

SCALE: 1/16" = 1'-0"

B
F1592-APP101

2' 0' 8' 16' 32'

SCALE IN FEET

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C:\Users\nathaniels\Documents\S317-F1592-A-v2020_nathanielsPP4BW.RVT

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	CD	PC	BC	FINAL AS-BUILT

DESIGNED BY: C. DOMINGUEZ
DRAWN BY: M. BRYANT/ N. SMITH
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APPROVED BY: B. CONNOLLY

MITHŪN
SUBMITTED BY: SARA ROBERTS

HENSEL PHELPS
Plan. Build. Manage.
kpff
DATE: 10/26/2022
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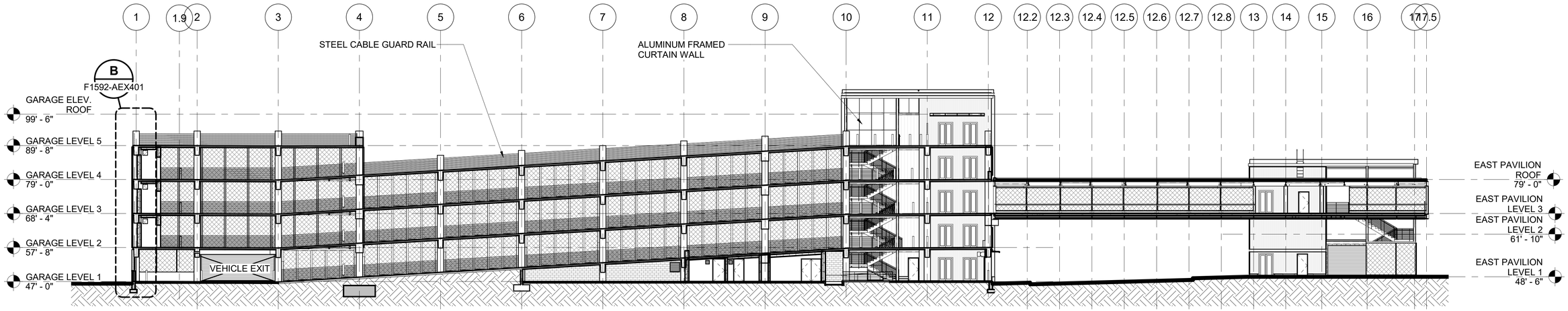
LINE IS 1" AT FULL SCALE

SOUNDTRANSIT
DATE: 10/26/2022

SCALE: 1/16" = 1'-0"
FILENAME: S317-F1592-A_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
ARCHITECTURAL
BUILDING ELEVATIONS

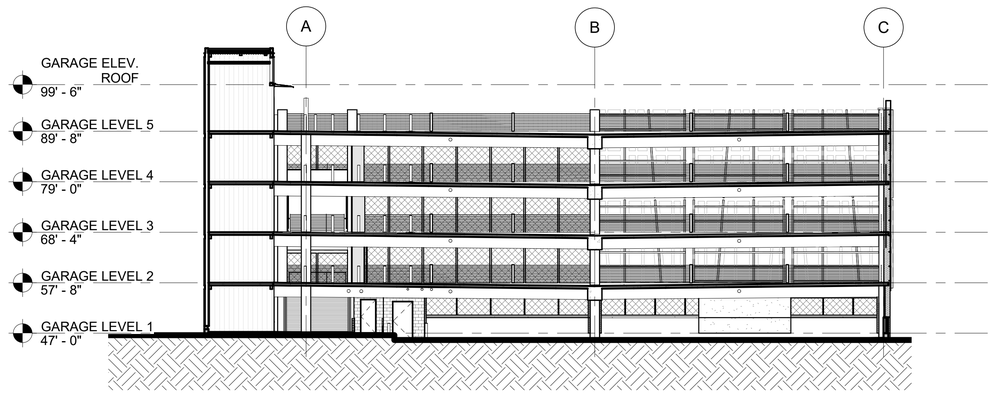
DRAWING No.: F1592-AEE302
FACILITY ID: F1592
SHEET No: 307
REV: 0



E-W SECTION

SCALE: 1/16" = 1'-0"

A
F1592-AED504



N-S SECTION

SCALE: 1/16" = 1'-0"

B
F1592-AEE301

2' 0' 8' 16' 32'

SCALE IN FEET

6/21/2022 4:24:31 PM
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FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
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DESIGNED BY: C. DOMINGUEZ
DRAWN BY: M. BRYANT/ N. SMITH
CHECKED BY: P. CHUBB
APPROVED BY: B. CONNOLLY

MITHŪN
SUBMITTED BY: SARA ROBERTS

HENSEL PHELPS
Plan. Build. Manage.
kpff
DATE: 10/26/2022
REVIEWED BY: GREG SHIMIZU

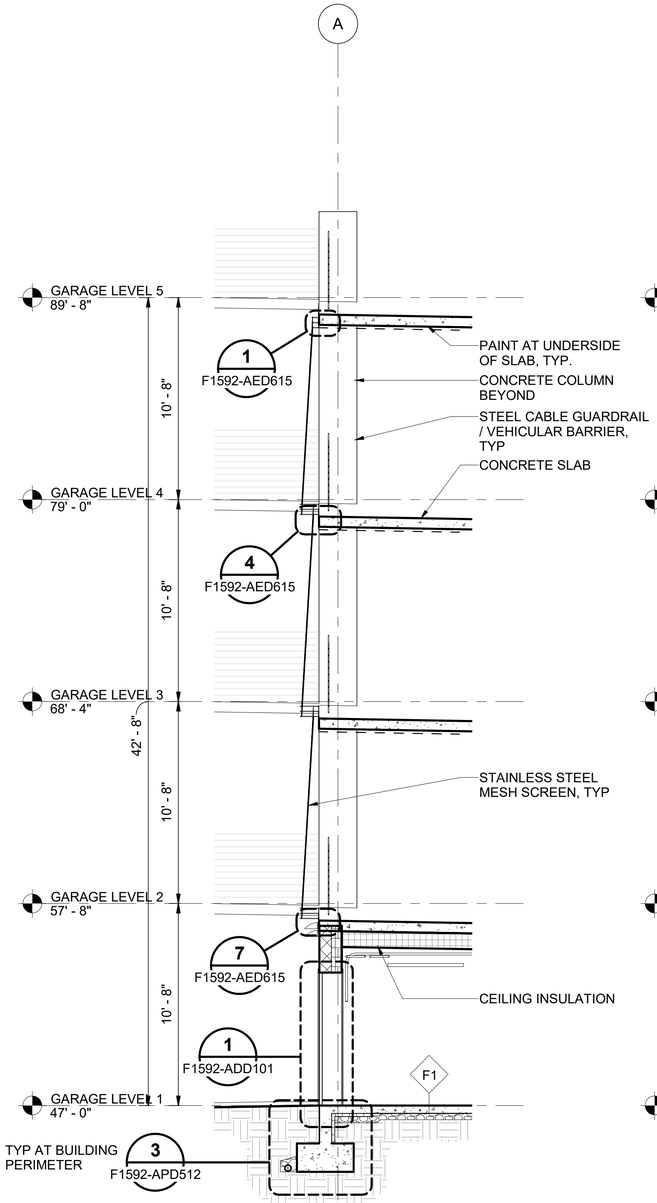
LINE IS 1" AT FULL SCALE

SOUNDTRANSIT
DATE: 10/26/2022

SCALE: 1/16" = 1'-0"
FILENAME: S317-F1592-A_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
ARCHITECTURAL
BUILDING SECTIONS

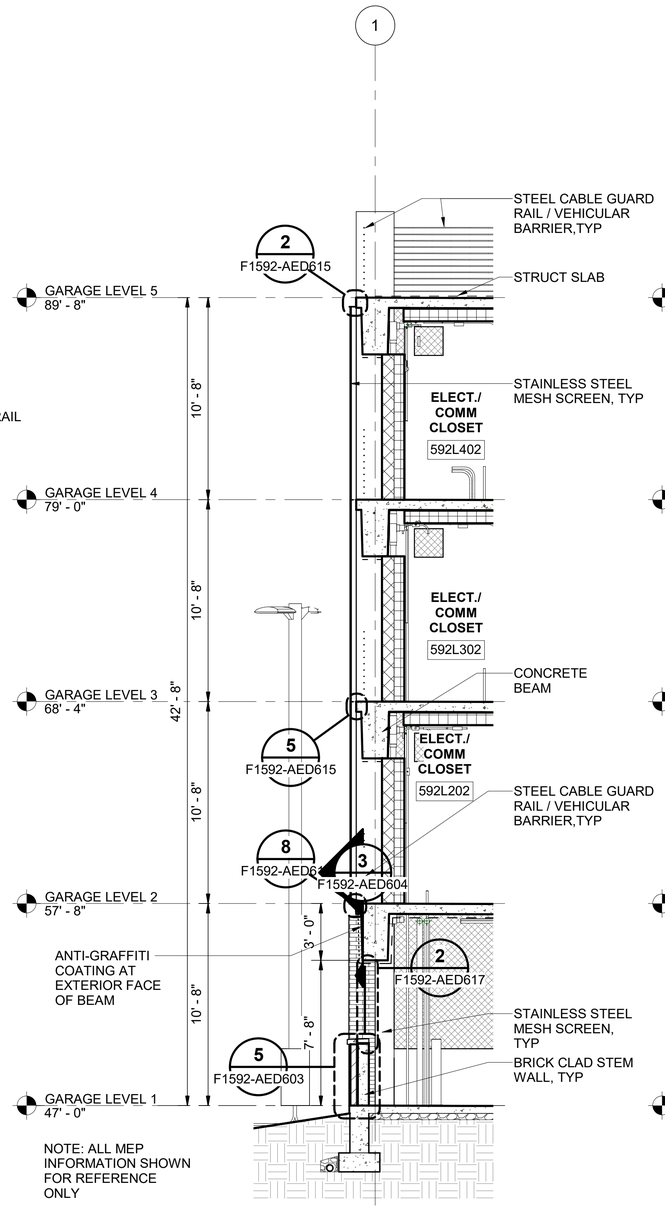
DRAWING No.: F1592-AEY311
FACILITY ID: F1592
SHEET No: 308
REV: 0



NORTH WALL SECTION A

SCALE: 1/4" = 1'-0"

F1592-AEE301

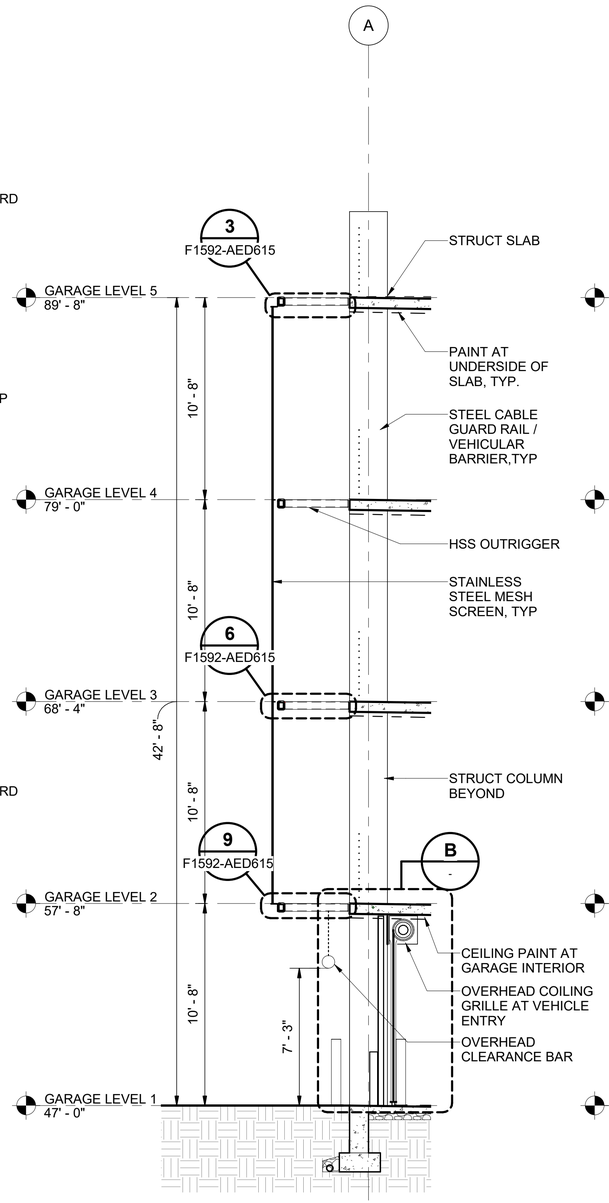


NOTE: ALL MEP INFORMATION SHOWN FOR REFERENCE ONLY

WEST WALL SECTION 2 B

SCALE: 1/4" = 1'-0"

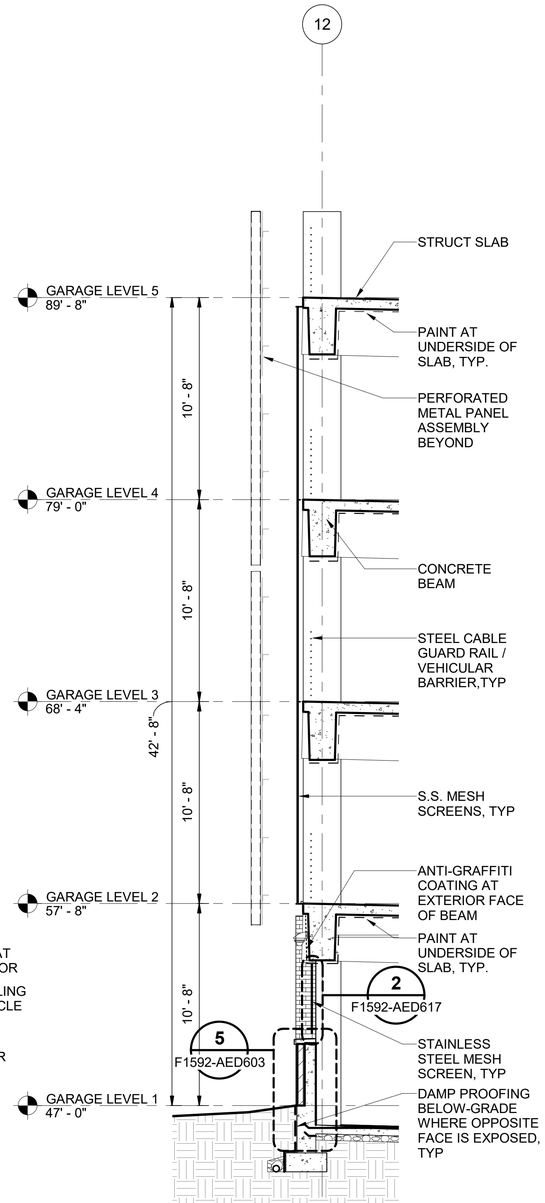
F1592-AEE406



NORTH WALL SECTION 1 C

SCALE: 1/4" = 1'-0"

F1592-AEE301



EAST WALL SECTION 1 D

SCALE: 1/4" = 1'-0"

F1592-AEE302

GENERAL NOTE:

1. REFER TO APV502-AXV501-FOR WALL, FLOOR, AND ROOF PROFILES.

1' 0 2' 4' 8'

SCALE IN FEET

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	CD	PC	BC	FINAL AS-BUILT

DESIGNED BY: C. DOMINGUEZ
DRAWN BY: M. BRYANT/ N. SMITH
CHECKED BY: P. CHUBB
APPROVED BY: B. CONNOLLY

MITHŪN
SUBMITTED BY: SARA ROBERTS

HENSEL PHELPS Plan. Build. Manage.
kpff
DATE: 10/26/2022
REVIEWED BY: GREG SHIMIZU

LINE IS 1" AT FULL SCALE

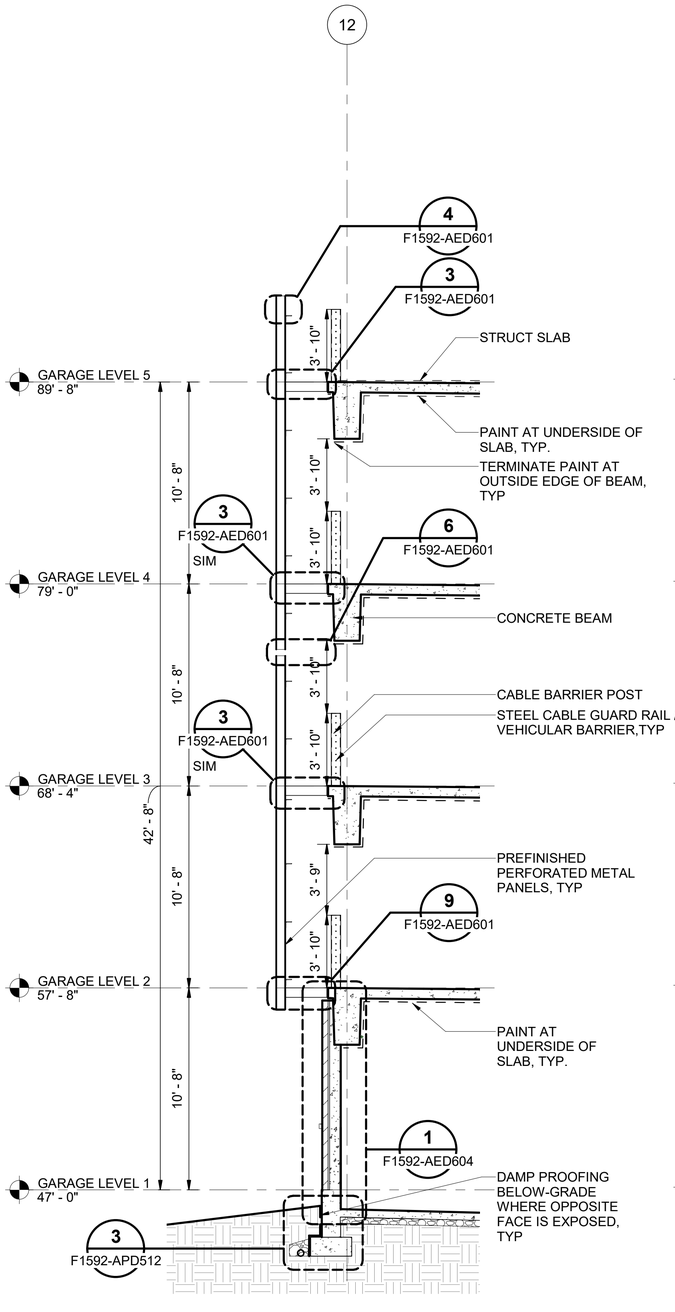
SOUNDTRANSIT
DATE: 10/26/2022

SCALE: 1/4" = 1'-0"
FILENAME: S317-F1592-A_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
ARCHITECTURAL
WALL SECTIONS - SS

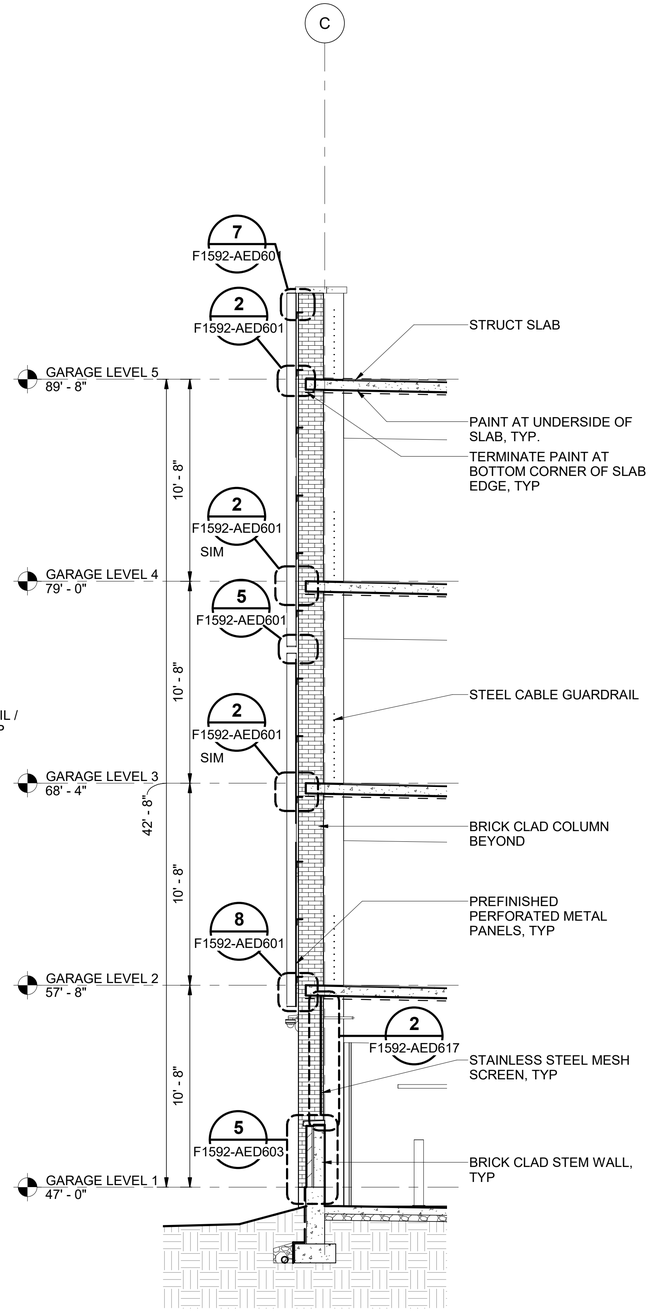
DRAWING No.: F1592-AEX401
FACILITY ID: F1592
SHEET No: 309
REV: 0

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EAST WALL SECTION 2 — A F1592-AEE302

SCALE: 1/4" = 1'-0"



SOUTH WALL SECTION 1 — B F1592-AEE301

SCALE: 1/4" = 1'-0"

1' 0 2' 4' 8'

SCALE IN FEET

6/21/2022 4:23:53 PM
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FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	CD	PC	BC	FINAL AS-BUILT

DESIGNED BY: C. DOMINGUEZ
DRAWN BY: M. BRYANT/ N. SMITH
CHECKED BY: P. CHUBB
APPROVED BY: B. CONNOLLY

MITHŪN
SUBMITTED BY: SARA ROBERTS

HENSEL PHELPS Plan. Build. Manage.
kpff
DATE: 10/26/2022

LINE IS 1" AT FULL SCALE

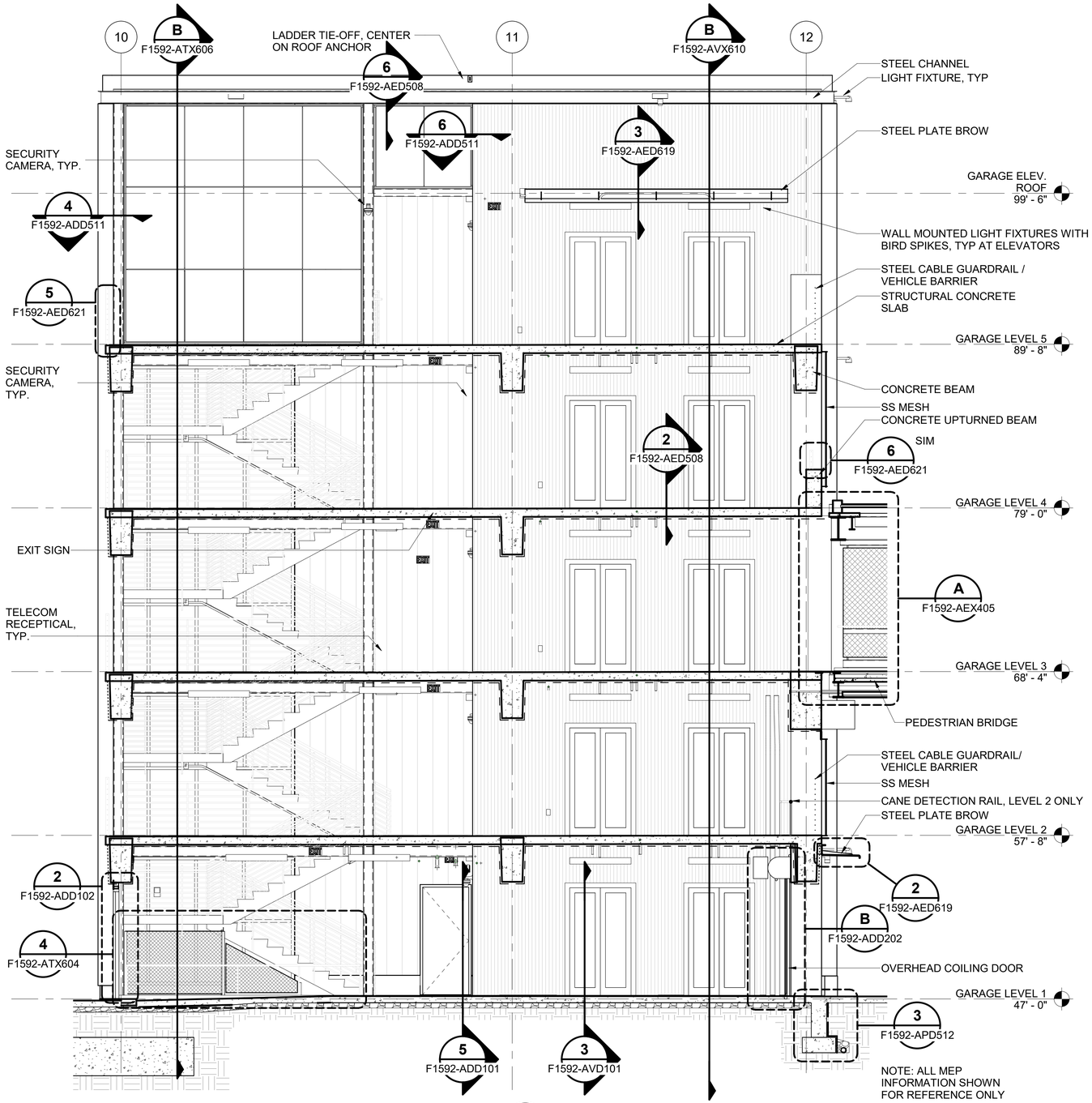
REVIEWED BY: GREG SHIMIZU

SOUNDTRANSIT
DATE: 10/26/2022

SCALE: 1/4" = 1'-0"
FILENAME: S317-F1592-A_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
ARCHITECTURAL
WALL SECTIONS - PERF

DRAWING No.: F1592-AEX402
FACILITY ID: F1592
SHEET No: 310
REV: 0



SECTION AT NORTH ELEVATORS AND STAIRS

SCALE: 1/4" = 1'-0"

A F1592-ADD102

GENERAL NOTE:

1. REFER TO APV502-AXV501-FOR WALL, FLOOR, AND ROOF PROFILES.

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FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	CD	PC	BC	FINAL AS-BUILT

DESIGNED BY: C. DOMINGUEZ
DRAWN BY: M. BRYANT/ N. SMITH
CHECKED BY: P. CHUBB
APPROVED BY: B. CONNOLLY

MITHŪN
SUBMITTED BY: SARA ROBERTS

HENSEL PHELPS Plan. Build. Manage.
kpff
DATE: 10/26/2022

REVIEWED BY: GREG SHIMIZU

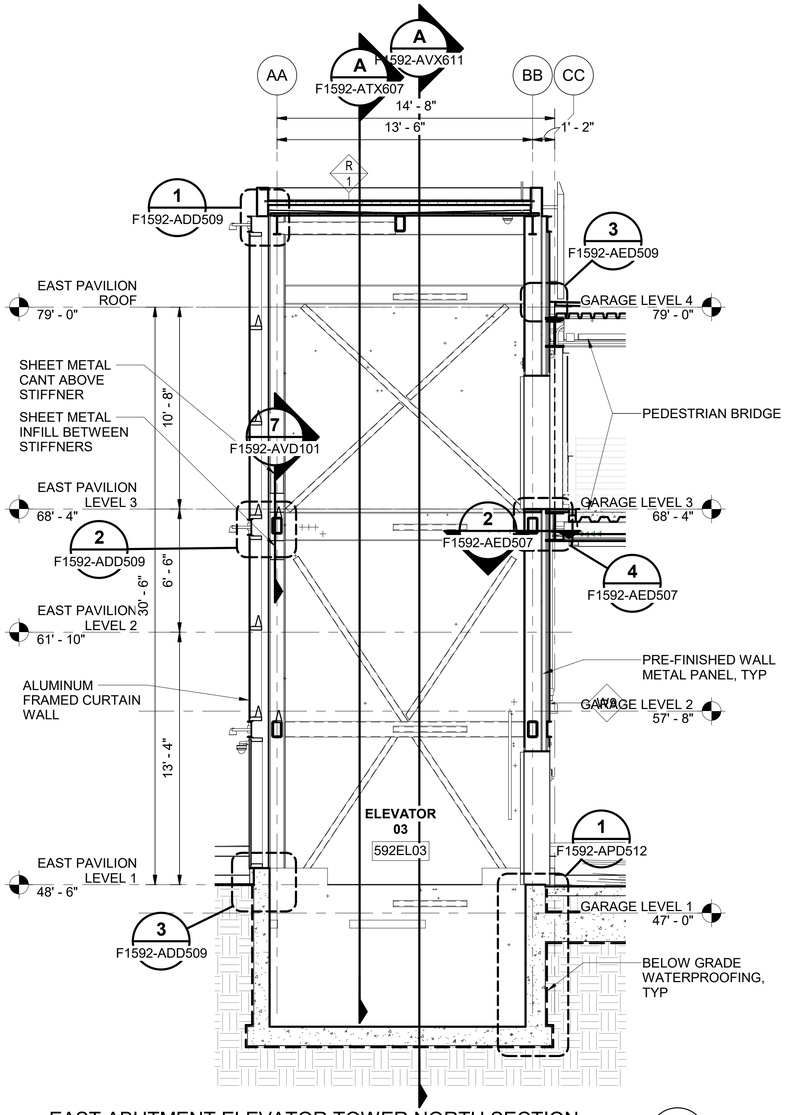
LINE IS 1" AT FULL SCALE

SOUNDTRANSIT
DATE: 10/26/2022

SCALE: 1/4" = 1'-0"
FILENAME: S317-F1592-A_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
ARCHITECTURAL
WALL SECTIONS

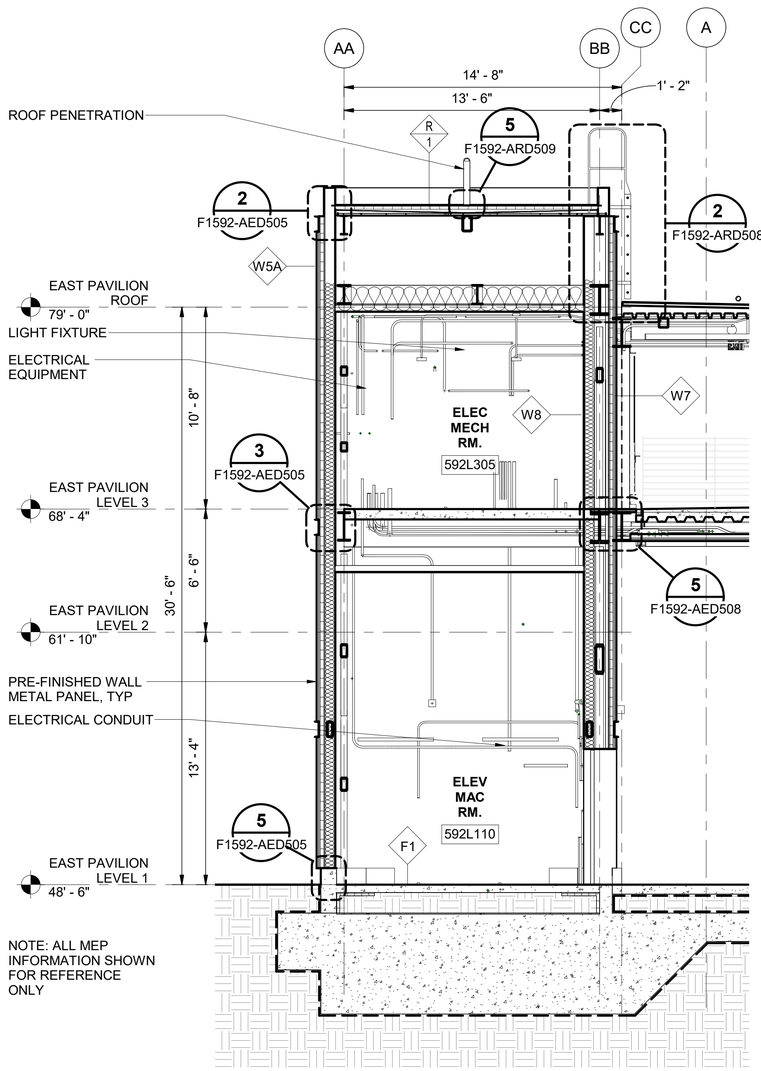
DRAWING No.: F1592-AEX403
FACILITY ID: F1592
SHEET No.: 311
REV.: 0



EAST ABUTMENT ELEVATOR TOWER NORTH SECTION

SCALE: 1/4" = 1'-0"

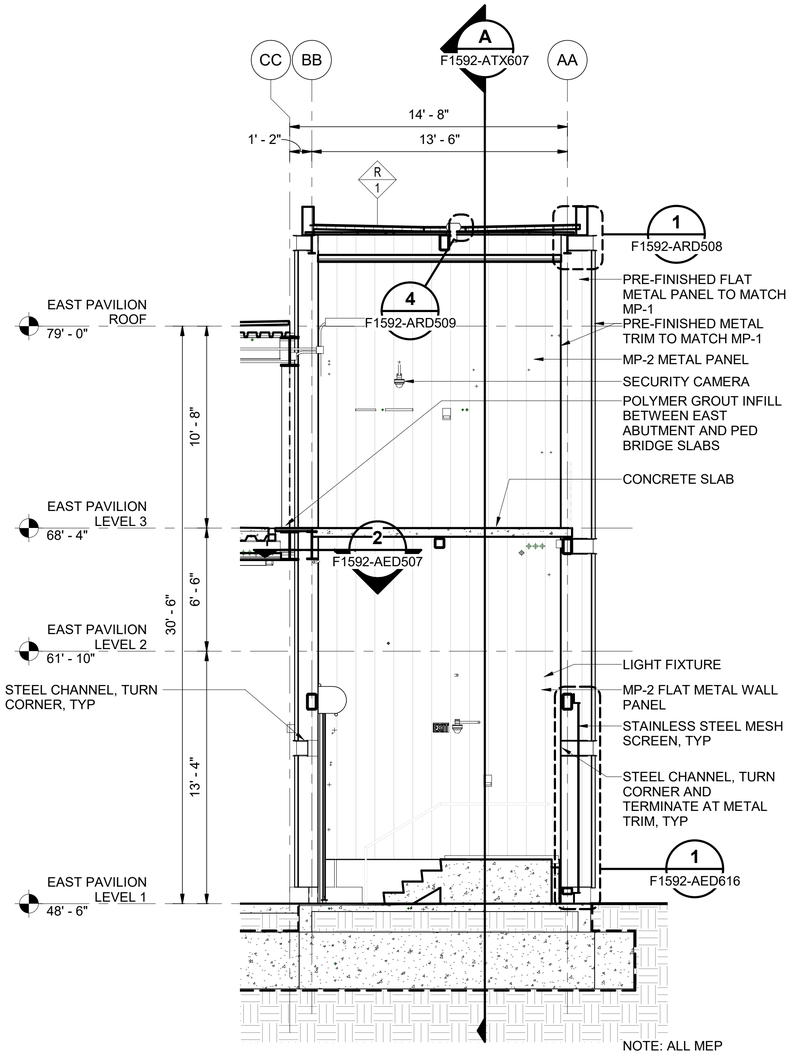
A F1592-AEE301



EAST ABUTMENT NORTH SECTION

SCALE: 1/4" = 1'-0"

B F1592-AEE301



EAST ABUTMENT STAIR TOWER NORTH SECTION

SCALE: 1/4" = 1'-0"

C F1592-AEE301

GENERAL NOTE:

1. REFER TO APV502-AXV501-FOR WALL, FLOOR, AND ROOF PROFILES.

1' 0 2' 4' 8'

SCALE IN FEET

6/21/2022 4:24:10 PM
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FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	CD	PC	BC	FINAL AS-BUILT

DESIGNED BY: C. DOMINGUEZ
DRAWN BY: M. BRYANT/ N. SMITH
CHECKED BY: P. CHUBB
APPROVED BY: B. CONNOLLY

MITHŪN
SUBMITTED BY: SARA ROBERTS

HENSEL PHELPS
Plan. Build. Manage.
kpff
DATE: 10/26/2022
REVIEWED BY: GREG SHIMIZU

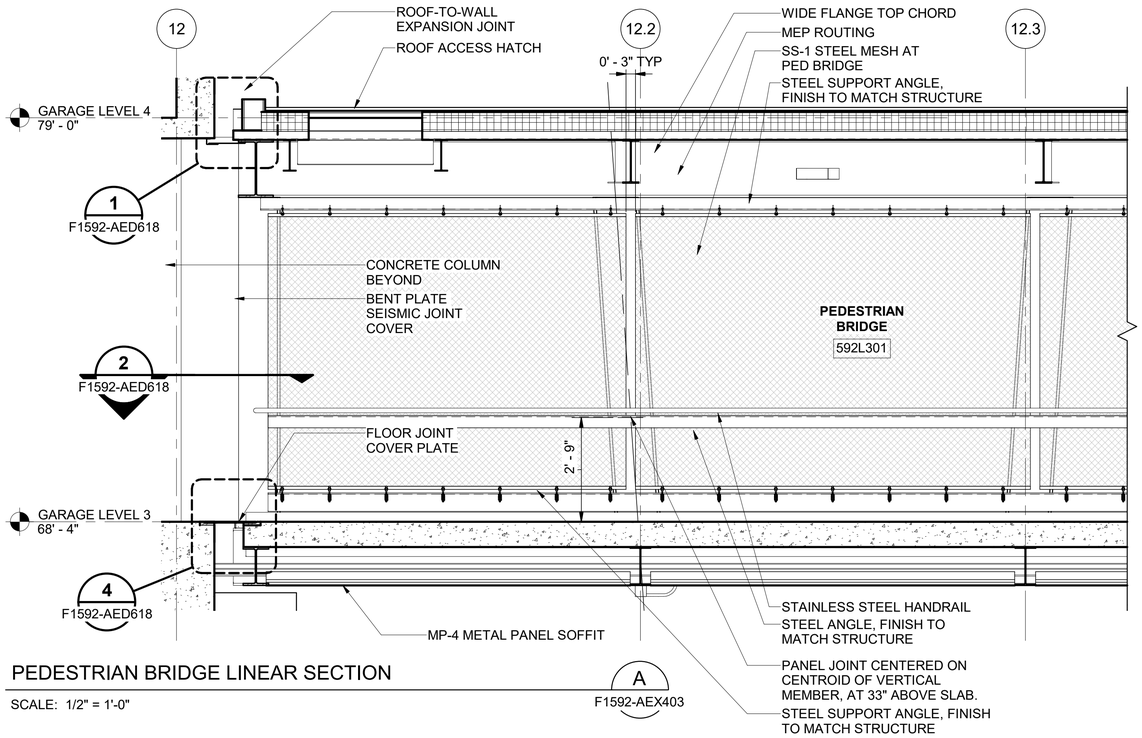
LINE IS 1" AT FULL SCALE

SOUNDTRANSIT
DATE: 10/26/2022

SCALE: 1/4" = 1'-0"
FILENAME: S317-F1592-A_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
ARCHITECTURAL
WALL SECTIONS - EA

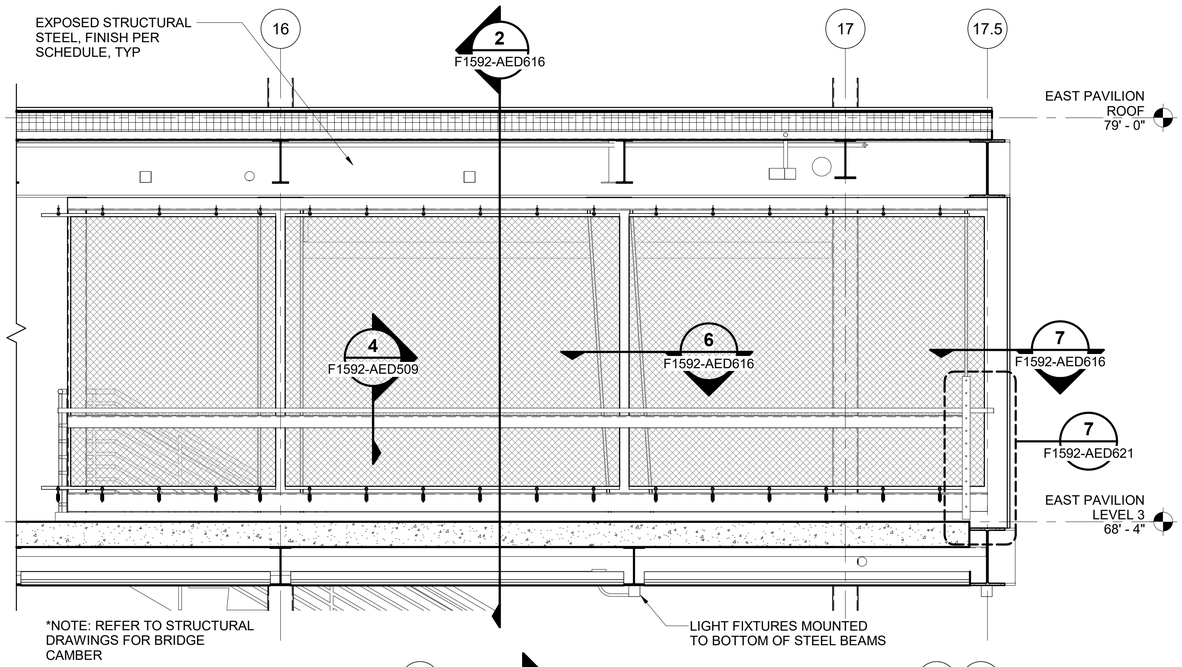
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FACILITY ID: F1592
SHEET No.: 312
REV.: 0

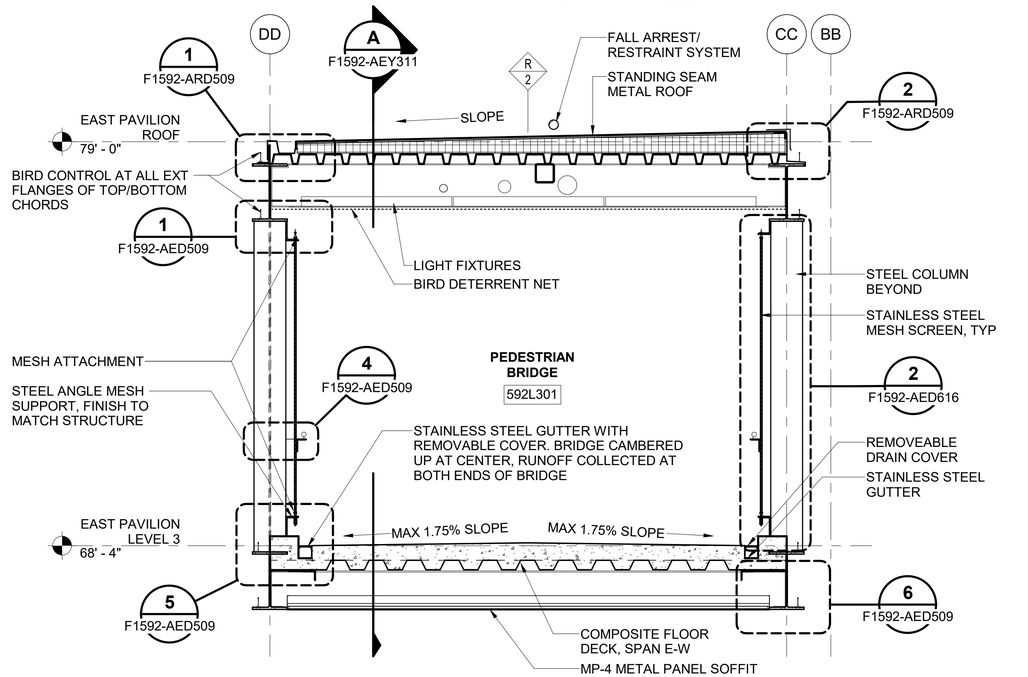


PEDESTRIAN BRIDGE LINEAR SECTION

A
F1592-AEX403

SCALE: 1/2" = 1'-0"





PEDESTRIAN BRIDGE CROSS SECTION

B
F1592-AEE301

SCALE: 1/2" = 1'-0"

0' 1 2' 4'
SCALE IN FEET

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	CD	PC	BC	FINAL AS-BUILT

DESIGNED BY: C. DOMINGUEZ
DRAWN BY: M. BRYANT/ N. SMITH
CHECKED BY: P. CHUBB
APPROVED BY: B. CONNOLLY

MITHŪN
HENSEL PHELPS Plan. Build. Manage.
kpff
SUBMITTED BY: SARA ROBERTS
DATE: 10/26/2022
REVIEWED BY: GREG SHIMIZU
DATE: 10/26/2022

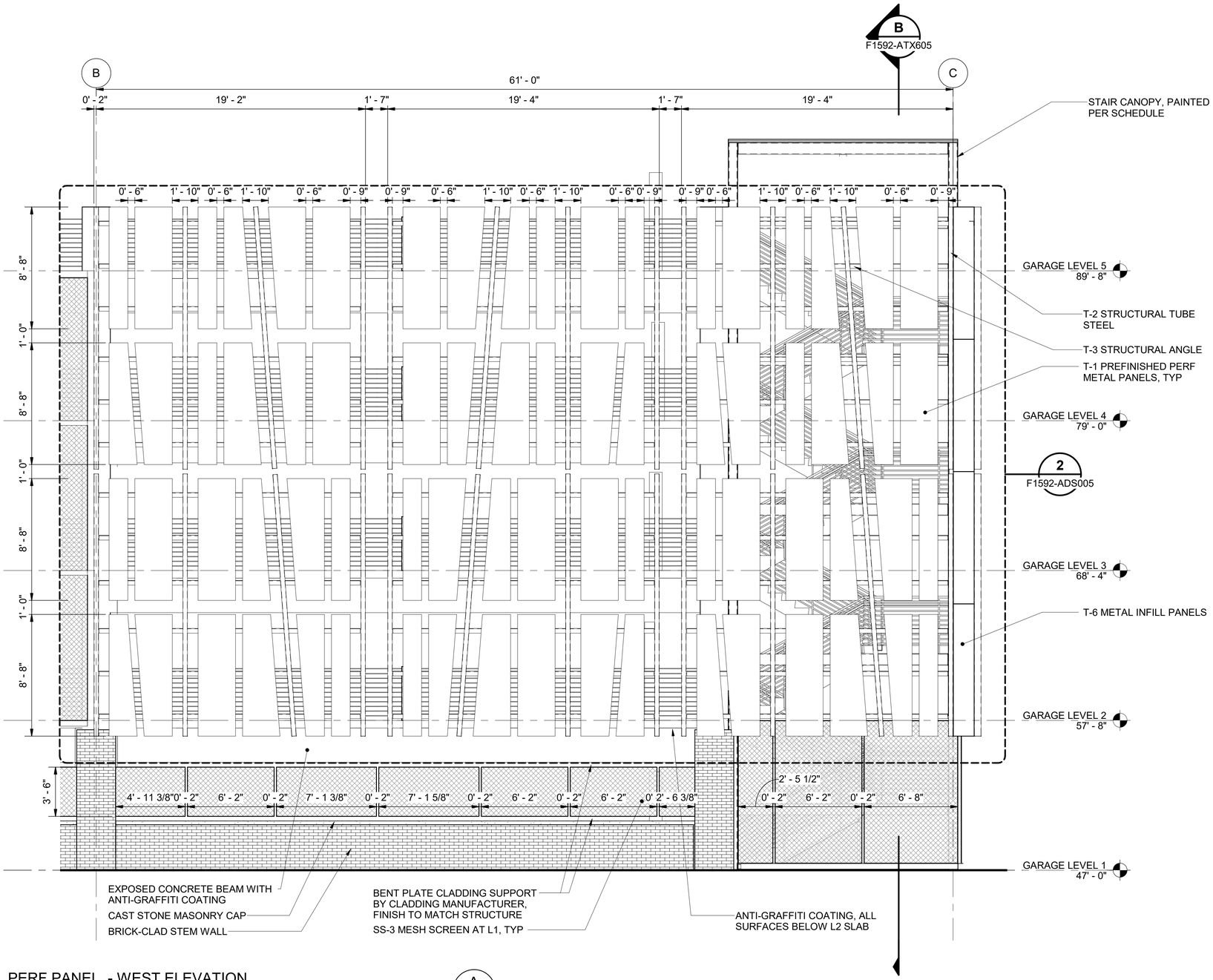
LINE IS 1" AT FULL SCALE

SOUNDTRANSIT
SCALE: 1/2" = 1'-0"
FILENAME: S317-F1592-A_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
ARCHITECTURAL
WALL SECTIONS - PED BRIDGE

DRAWING No.: F1592-AEX405
FACILITY ID: F1592
SHEET No: 313
REV: 0

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PERF PANEL - WEST ELEVATION

SCALE: 1/4" = 1'-0"

A
F1592-AEE302

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	CD	PC	BC	FINAL AS-BUILT

DESIGNED BY: C. DOMINGUEZ
DRAWN BY: M. BRYANT/ N. SMITH
CHECKED BY: P. CHUBB
APPROVED BY: B. CONNOLLY

MITHŪN
SUBMITTED BY: SARA ROBERTS

HENSEL PHELPS Plan. Build. Manage.
kpff
DATE: 10/26/2022

REVIEWED BY: GREG SHIMIZU
DATE: 10/26/2022

LINE IS 1" AT FULL SCALE

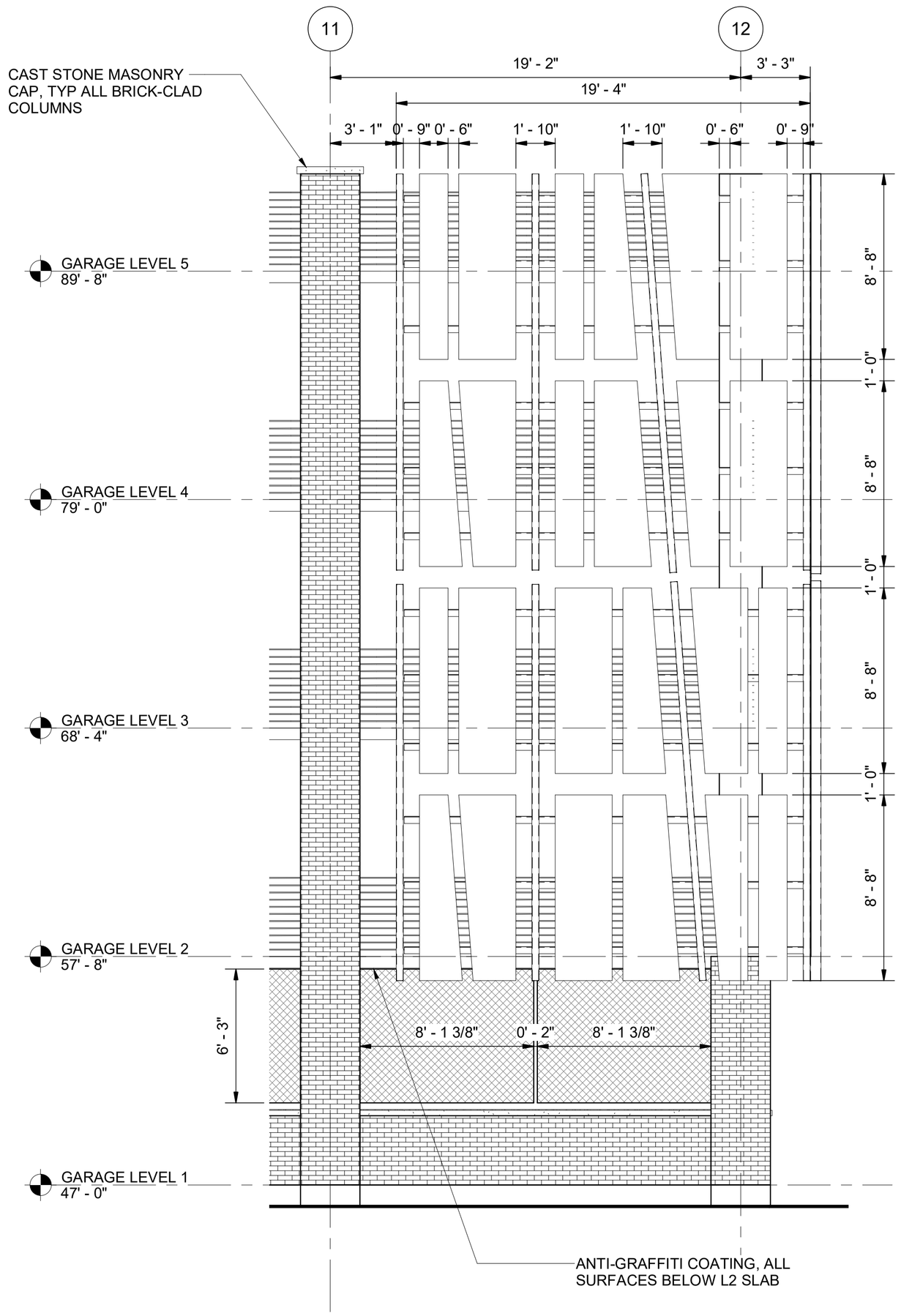
SOUNDTRANSIT
SUBMITTAL DATE: 10/26/2022

SCALE: 1/4" = 1'-0"
FILENAME: S317-F1592-A_v2020
CONTRACT No.: RTA/CN 0612-18

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
ARCHITECTURAL
ENLARGED ELEVATIONS - PERF PANEL

DRAWING No.: F1592-AEE401
FACILITY ID: F1592
SHEET No.: 314
REV.: 0

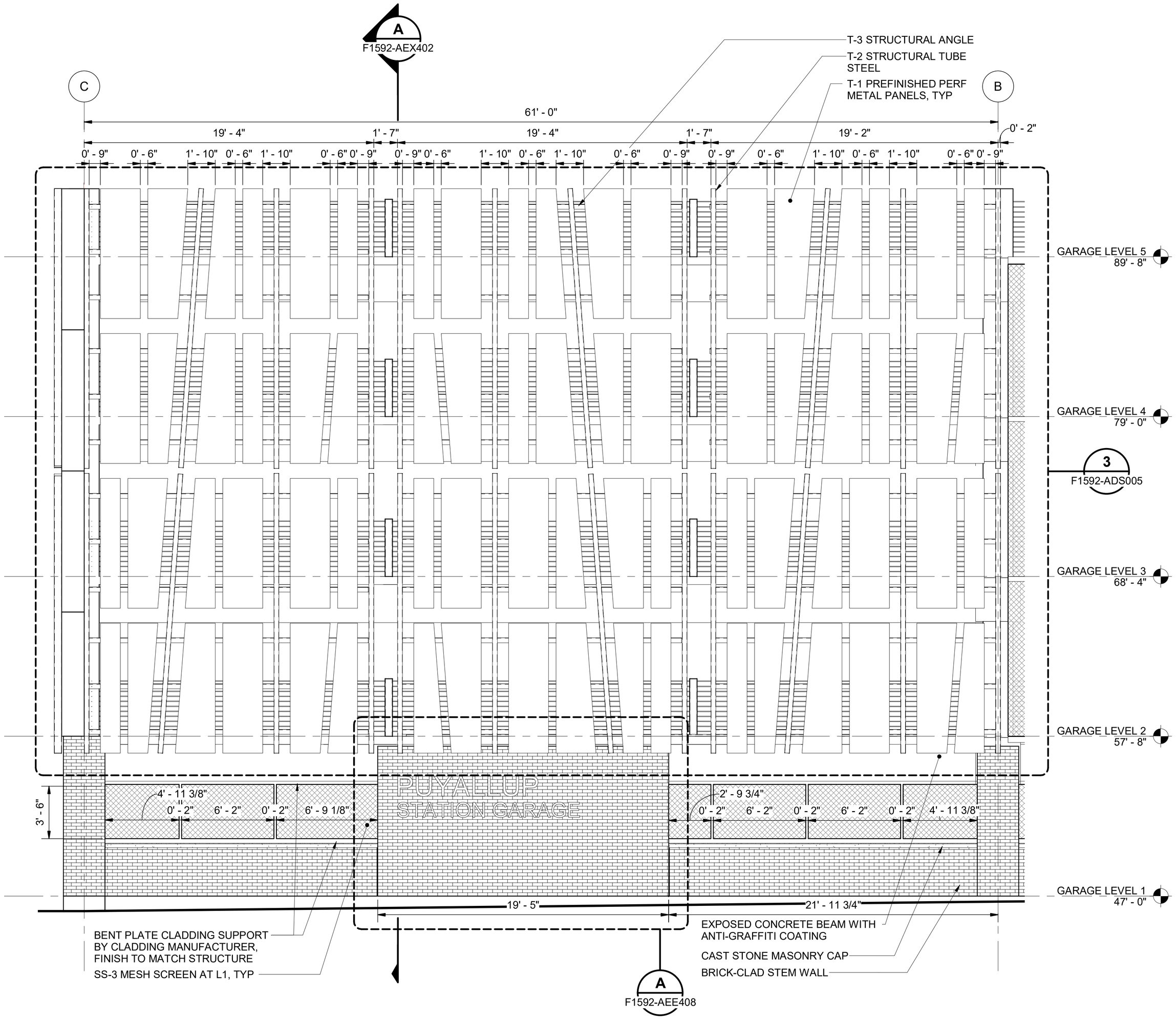
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PERF PANEL - SOUTH ELEVATION

SCALE: 1/4" = 1'-0"

A
F1592-AEE301



PERF PANEL - EAST ELEVATION

SCALE: 1/4" = 1'-0"

B
F1592-AEE302

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	CD	PC	BC	FINAL AS-BUILT

DESIGNED BY: C. DOMINGUEZ
DRAWN BY: M. BRYANT/ N. SMITH
CHECKED BY: P. CHUBB
APPROVED BY: B. CONNOLLY

MITHŪN
HENSEL PHELPS Plan. Build. Manage.
kpff

LINE IS 1" AT FULL SCALE

SUBMITTED BY: SARA ROBERTS
DATE: 10/26/2022
REVIEWED BY: GREG SHIMIZU
DATE: 10/26/2022

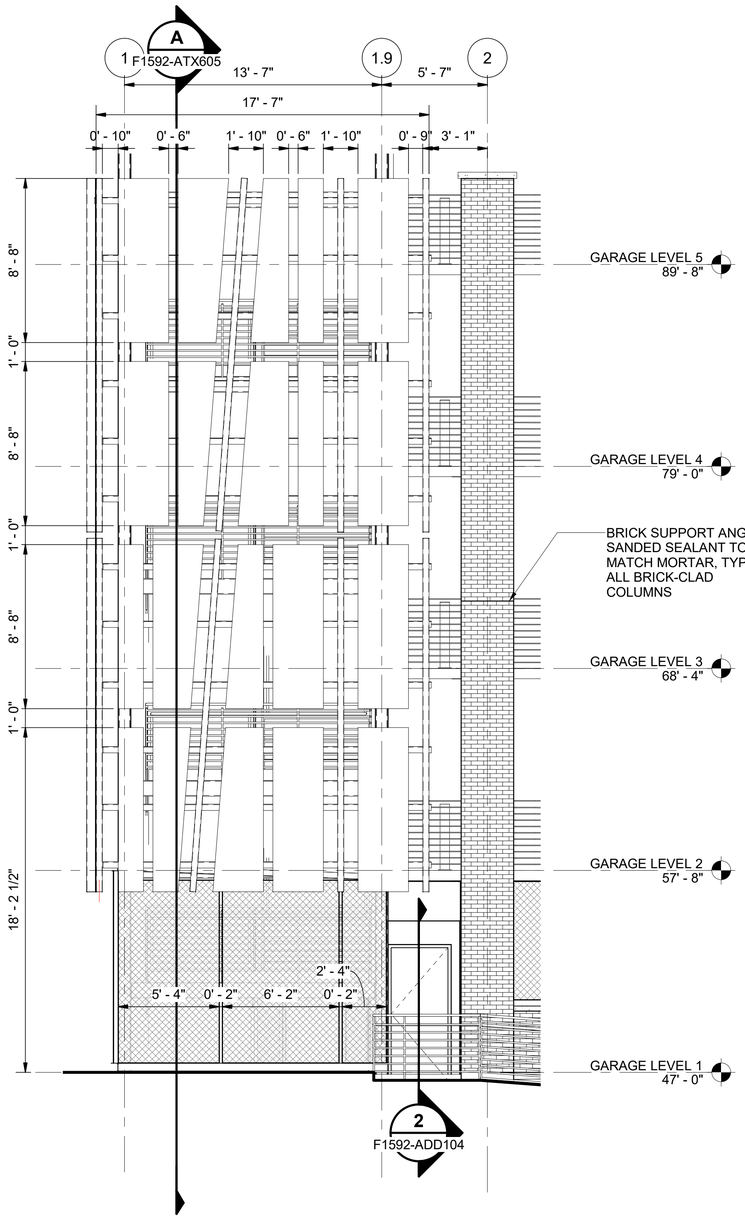
SOUNDTRANSIT

SCALE: 1/4" = 1'-0"
FILENAME: S317-F1592-A_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
ARCHITECTURAL
ENLARGED ELEVATIONS - PERF PANEL

DRAWING No.: F1592-AEE402
FACILITY ID: F1592
SHEET No.: 315
REV.: 0

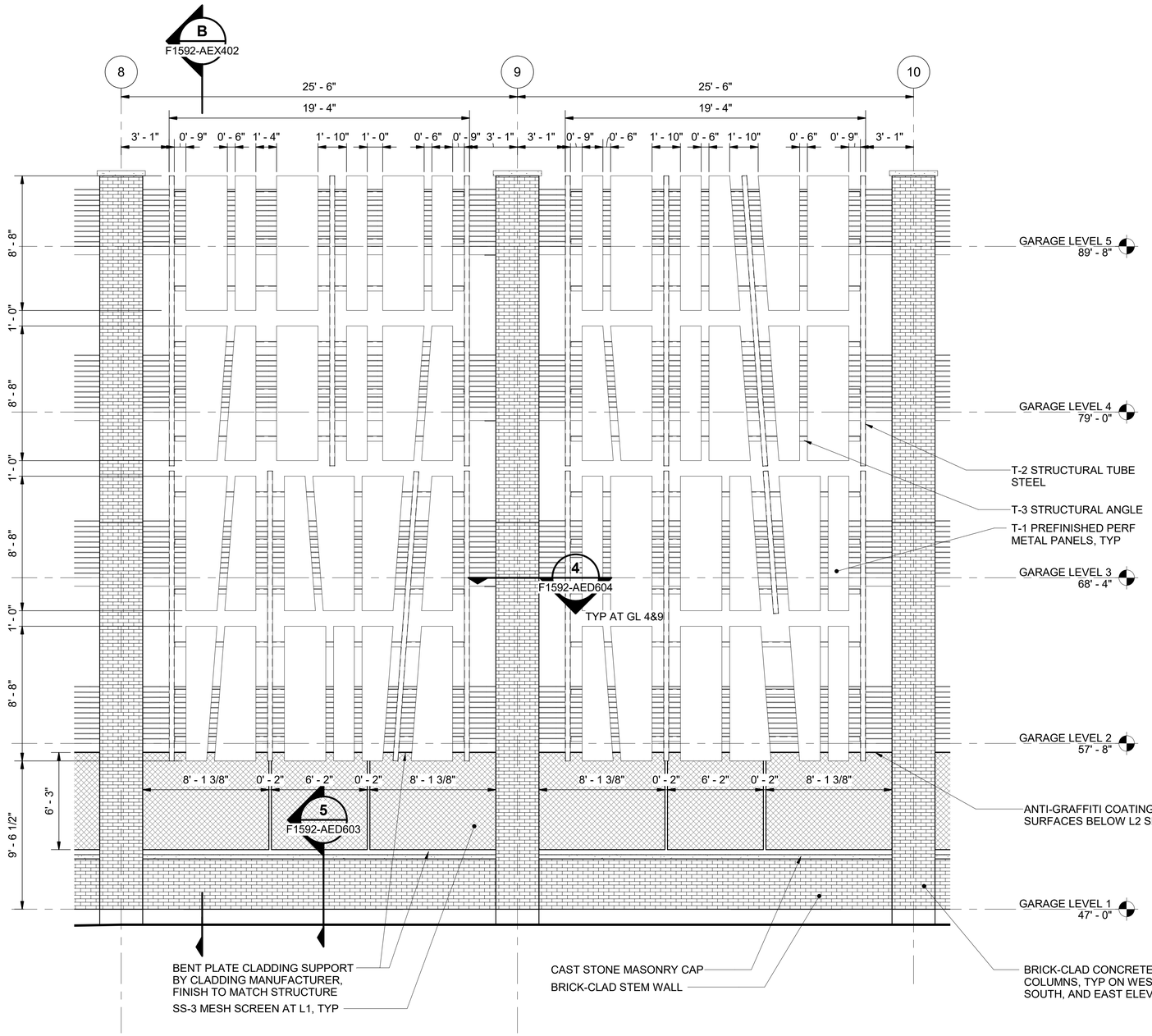
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PERF PANEL SOUTH ELEVATION

SCALE: 1/4" = 1'-0"

A
F1592-AEE301



PERF PANEL - SOUTH ELEVATION

SCALE: 1/4" = 1'-0"

B
F1592-AEE301

6/21/2022 4:22:57 PM
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FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	CD	PC	BC	FINAL AS-BUILT

DESIGNED BY: C. DOMINGUEZ
DRAWN BY: M. BRYANT/ N. SMITH
CHECKED BY: P. CHUBB
APPROVED BY: B. CONNOLLY

MITHŪN
SUBMITTED BY: SARA ROBERTS

HENSEL PHELPS Plan. Build. Manage.
kpff
DATE: 10/26/2022
REVIEWED BY: GREG SHIMIZU

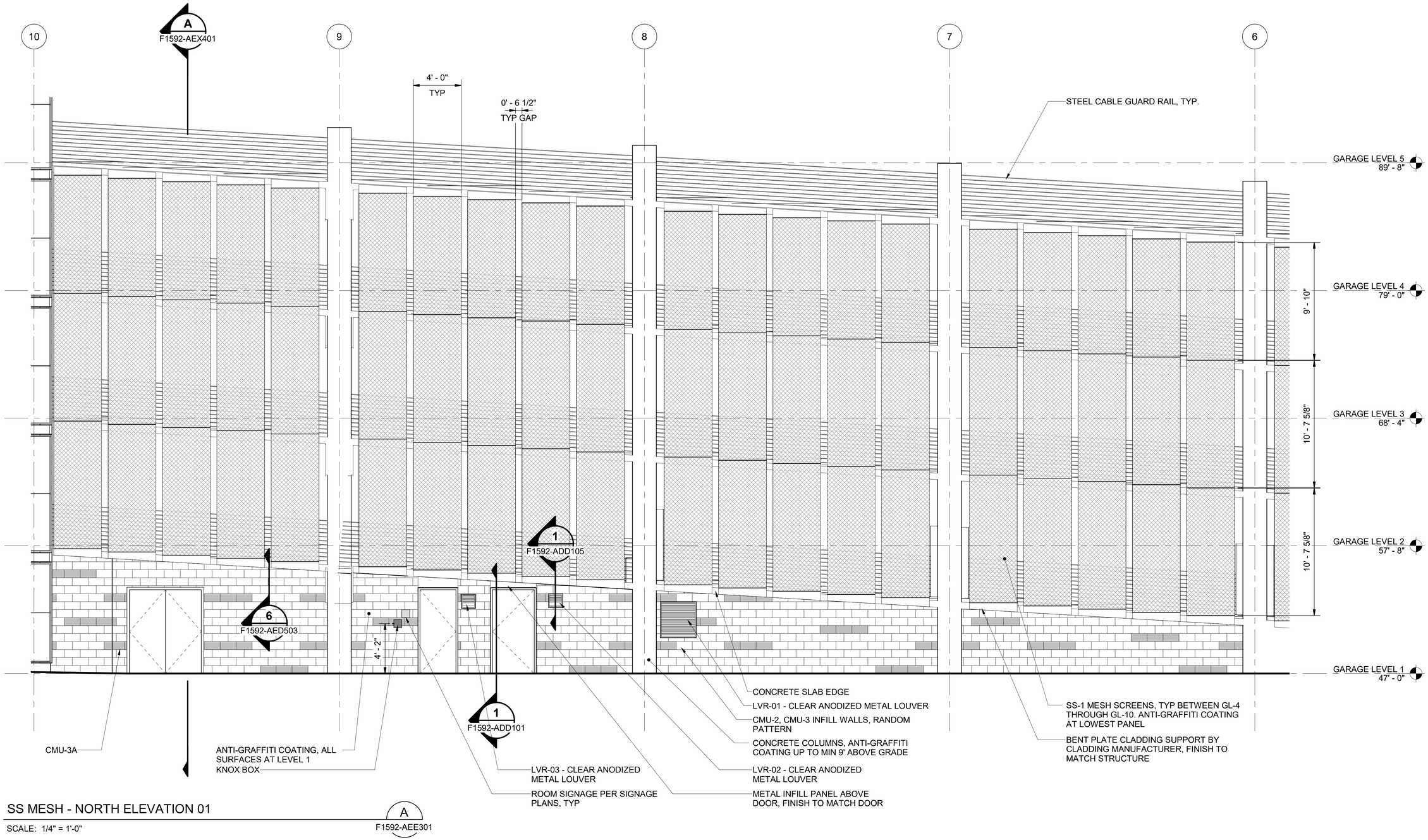
LINE IS 1" AT FULL SCALE

SOUNDTRANSIT
DATE: 10/26/2022

SCALE: 1/4" = 1'-0"
FILENAME: S317-F1592-A_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
ARCHITECTURAL
ENLARGED ELEVATIONS - PERF PANEL

DRAWING No.: F1592-AEE403
FACILITY ID: F1592
SHEET No.: 316
REV.: 0



SS MESH - NORTH ELEVATION 01

SCALE: 1/4" = 1'-0"

A
F1592-AEE301

6/21/2022 4:23:16 PM
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FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	CD	PC	BC	FINAL AS-BUILT

DESIGNED BY: C. DOMINGUEZ
DRAWN BY: M. BRYANT/ N. SMITH
CHECKED BY: P. CHUBB
APPROVED BY: B. CONNOLLY

MITHŪN
SUBMITTED BY: SARA ROBERTS

HENSEL PHELPS Plan. Build. Manage.
kpff
DATE: 10/26/2022
REVIEWED BY: GREG SHIMIZU

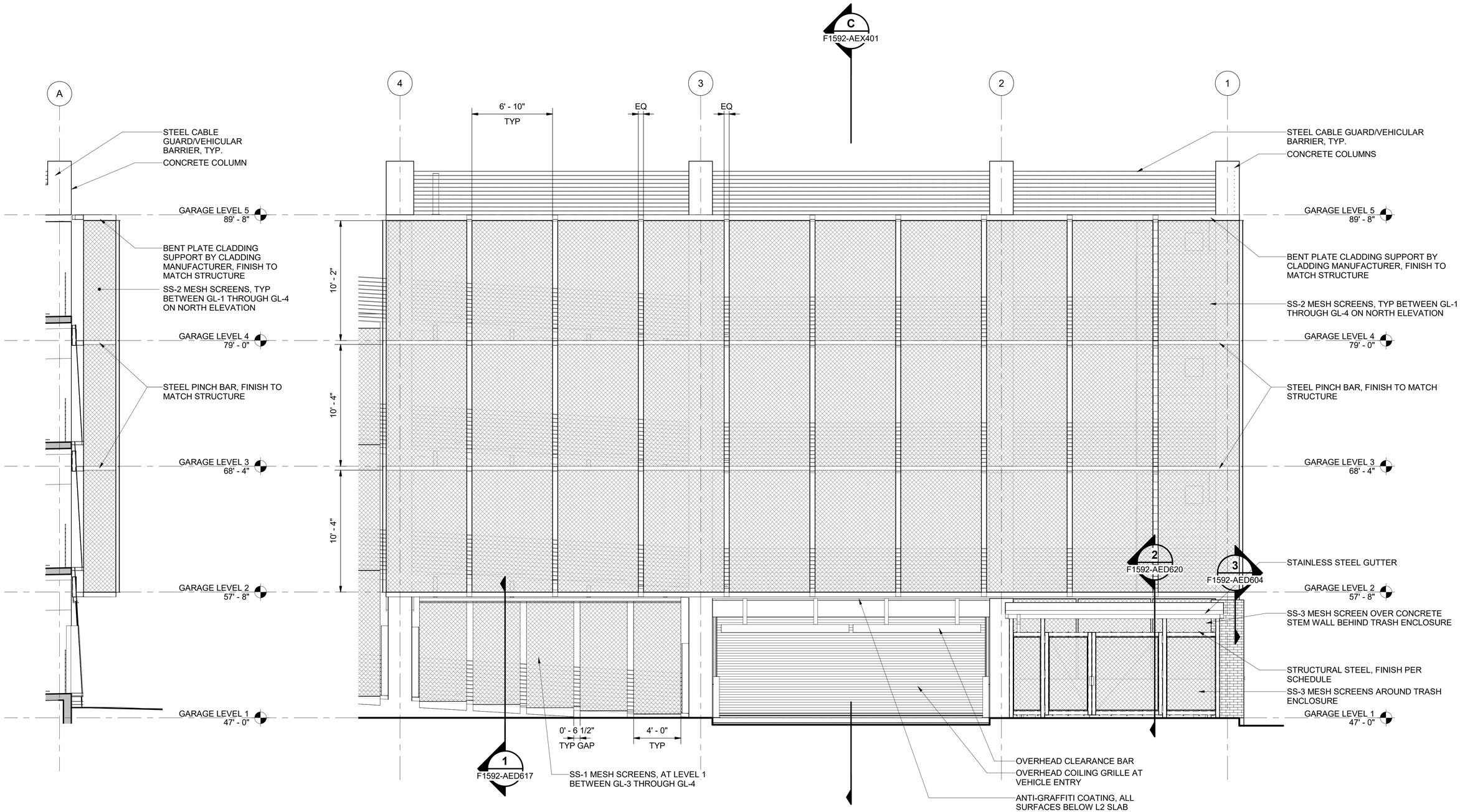
LINE IS 1" AT FULL SCALE

SOUNDTRANSIT
DATE: 10/26/2022

SCALE: 1/4" = 1'-0"
FILENAME: S317-F1592-A_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
ARCHITECTURAL
ENLARGED ELEVATIONS - SS MESH

DRAWING No.: F1592-AEE404
FACILITY ID: F1592
SHEET No: 317
REV: 0



ENLARGED ELEVATION AT GL-4 — A — F1592-AEE301

SCALE: 1/4" = 1'-0"

SS MESH - NORTH ELEVATION 02 — B — F1592-AEE301

SCALE: 1/4" = 1'-0"

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	CD	PC	BC	FINAL AS-BUILT

DESIGNED BY: C. DOMINGUEZ
DRAWN BY: M. BRYANT/ N. SMITH
CHECKED BY: P. CHUBB
APPROVED BY: B. CONNOLLY

MITHŪN
SUBMITTED BY: SARA ROBERTS

HENSEL PHELPS Plan. Build. Manage.
kpff
DATE: 10/26/2022
REVIEWED BY: GREG SHIMIZU

LINE IS 1" AT FULL SCALE

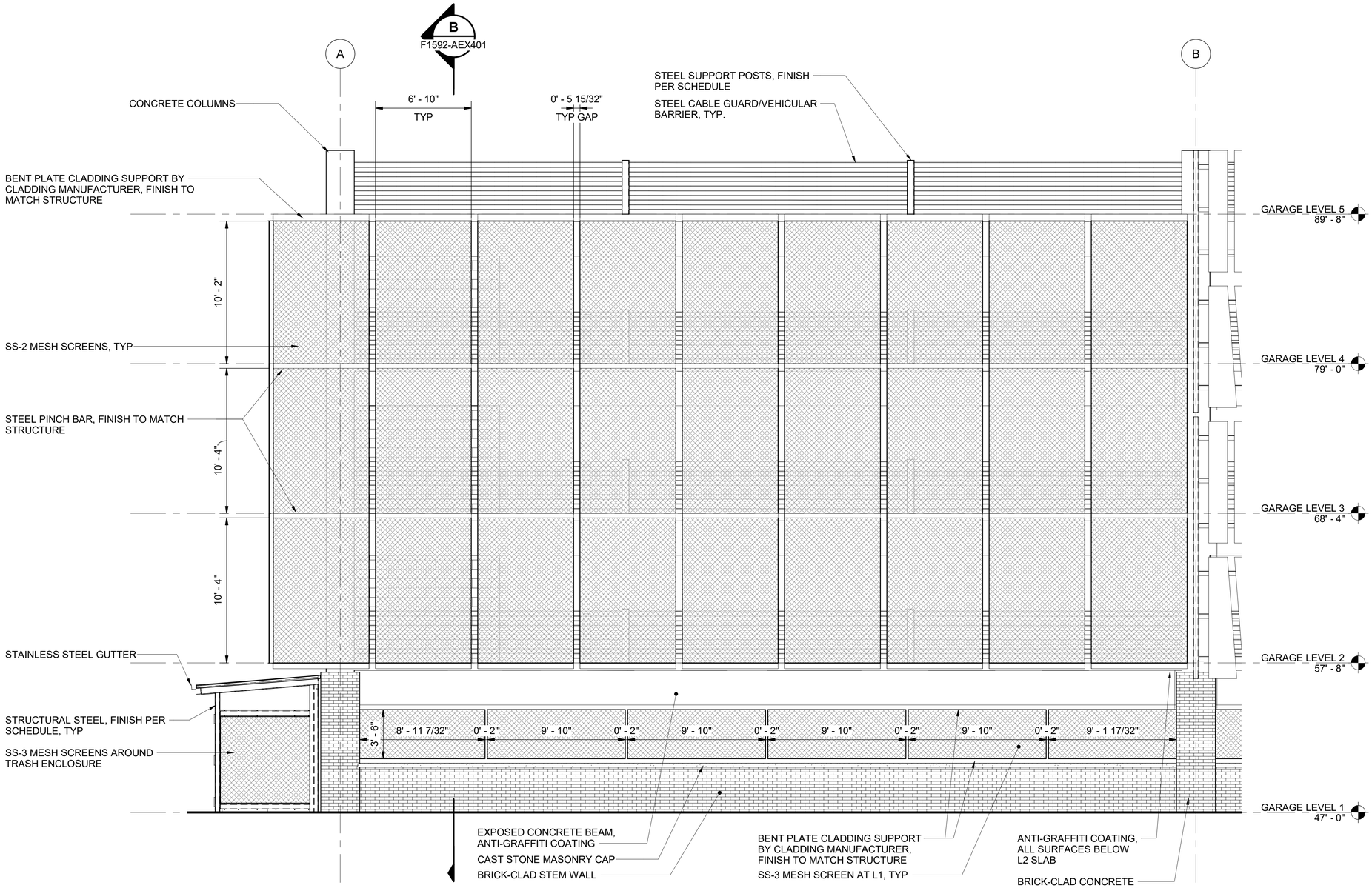
SOUNDTRANSIT
DATE: 10/26/2022

SCALE: 1/4" = 1'-0"
FILENAME: S317-F1592-A_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
ARCHITECTURAL
ENLARGED ELEVATIONS - SS MESH

DRAWING No.: F1592-AEE405
FACILITY ID: F1592
SHEET No: 318
REV: 0

6/21/2022 4:23:22 PM
C:\Users\nathaniels\Documents\S317-F1592-A-v2020_nathanielsPP4BW.RVT



SS MESH - WEST ELEVATION

SCALE: 1/4" = 1'-0"

A
F1592-AEE302

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	CD	PC	BC	FINAL AS-BUILT

DESIGNED BY: C. DOMINGUEZ
DRAWN BY: M. BRYANT/ N. SMITH
CHECKED BY: P. CHUBB
APPROVED BY: B. CONNOLLY

MITHŪN
SUBMITTED BY: SARA ROBERTS

HENSEL PHELPS
Plan. Build. Manage.
kpff
DATE: 10/26/2022
REVIEWED BY: GREG SHIMIZU

LINE IS 1" AT FULL SCALE

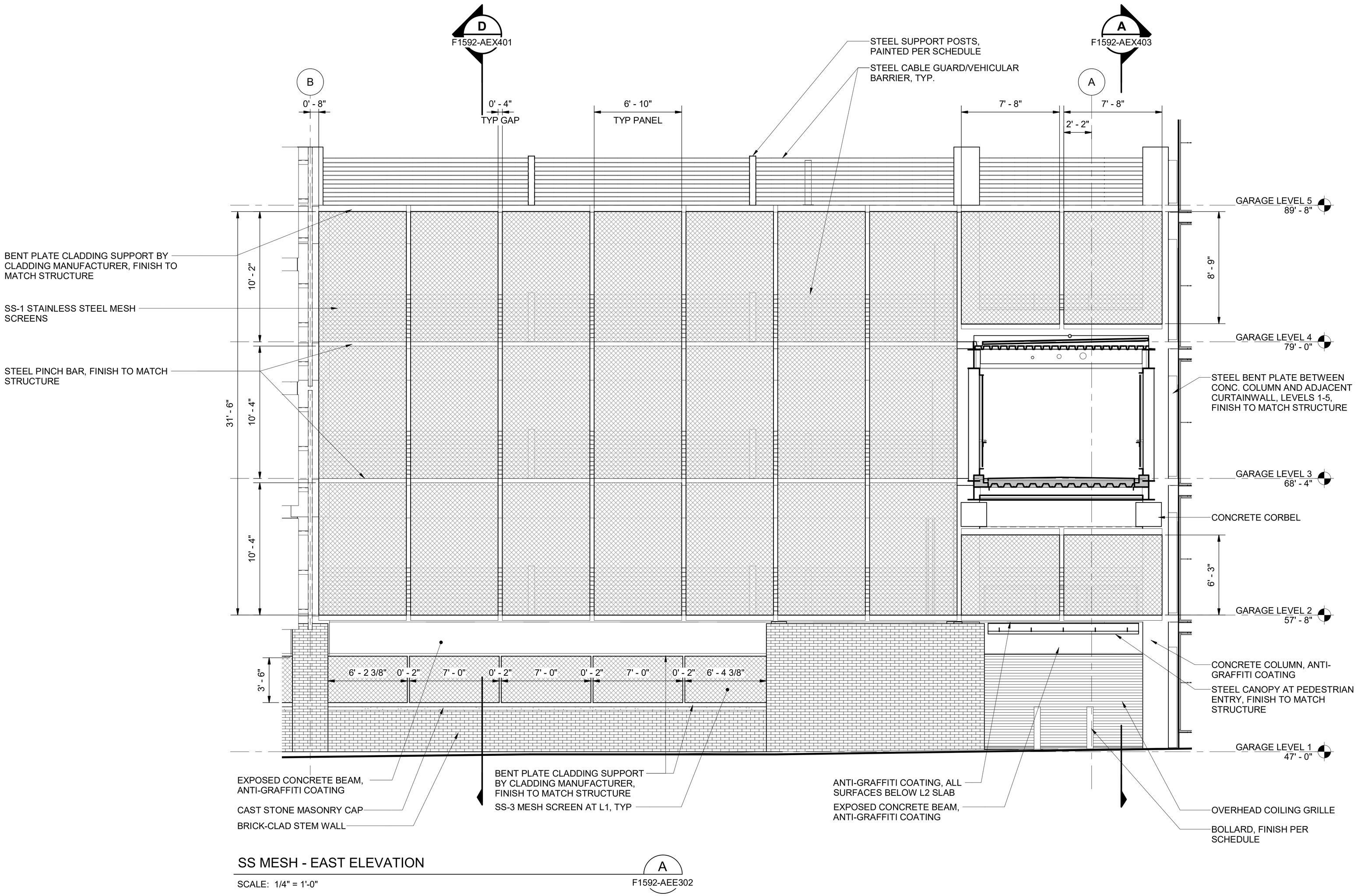
SOUNDTRANSIT
DATE: 10/26/2022

SCALE: 1/4" = 1'-0"
FILENAME: S317-F1592-A_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
ARCHITECTURAL
ENLARGED ELEVATIONS - SS MESH

DRAWING No.: F1592-AEE406
FACILITY ID: F1592
SHEET No: 319
REV: 0

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SS MESH - EAST ELEVATION

SCALE: 1/4" = 1'-0"

A
F1592-AEE302

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	CD	PC	BC	FINAL AS-BUILT

DESIGNED BY: C. DOMINGUEZ
DRAWN BY: M. BRYANT/ N. SMITH
CHECKED BY: P. CHUBB
APPROVED BY: B. CONNOLLY

MITHŪN
SUBMITTED BY: SARA ROBERTS

HENSEL PHELPS Plan. Build. Manage.
kpff
DATE: 10/26/2022
REVIEWED BY: GREG SHIMIZU

LINE IS 1" AT FULL SCALE

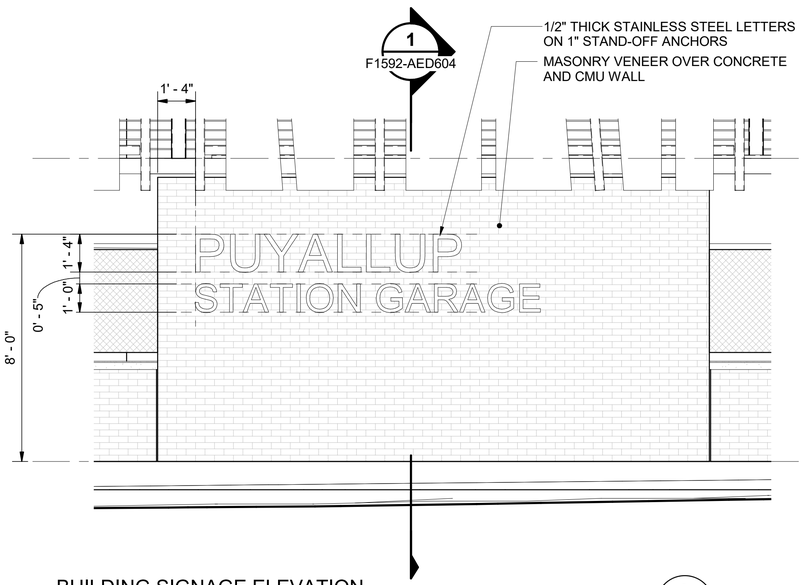
SOUNDTRANSIT
DATE: 10/26/2022

SCALE: 1/4" = 1'-0"
FILENAME: S317-F1592-A_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
ARCHITECTURAL
ENLARGED ELEVATIONS - SS MESH

DRAWING No.: F1592-AEE407
FACILITY ID: F1592
SHEET No: 320
REV: 0

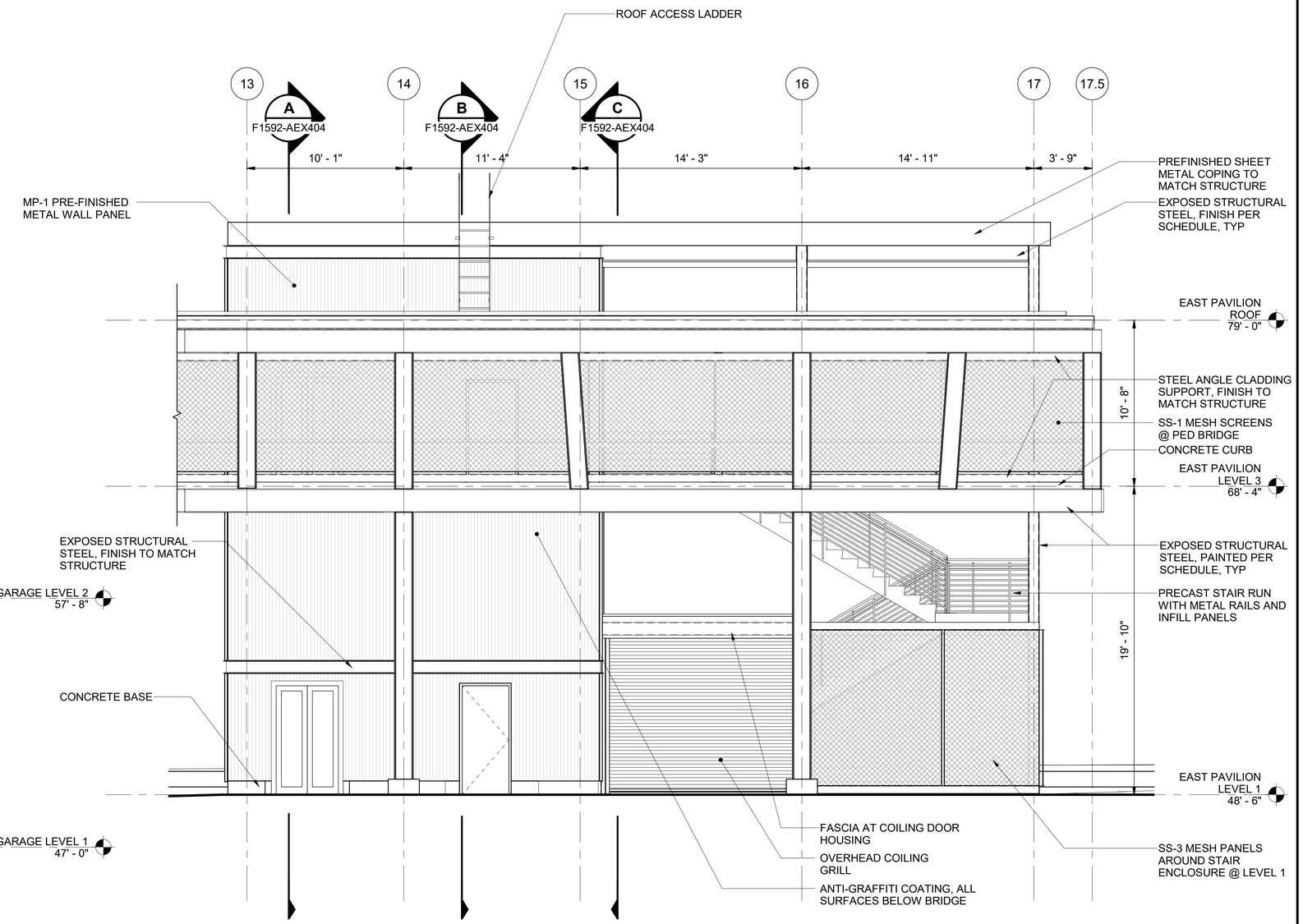
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BUILDING SIGNAGE ELEVATION

SCALE: 3/8" = 1'-0"

A F1592-AEE302



EAST ABUTMENT SOUTH ELEVATION

SCALE: 1/4" = 1'-0"

B F1592-AEE301

6/21/2022 4:23:34 PM
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FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	CD	PC	BC	FINAL AS-BUILT

DESIGNED BY: C. DOMINGUEZ
DRAWN BY: M. BRYANT/ N. SMITH
CHECKED BY: P. CHUBB
APPROVED BY: B. CONNOLLY

MITHŪN
SUBMITTED BY: SARA ROBERTS

HENSEL PHELPS Plan. Build. Manage.
kpff
DATE: 10/26/2022
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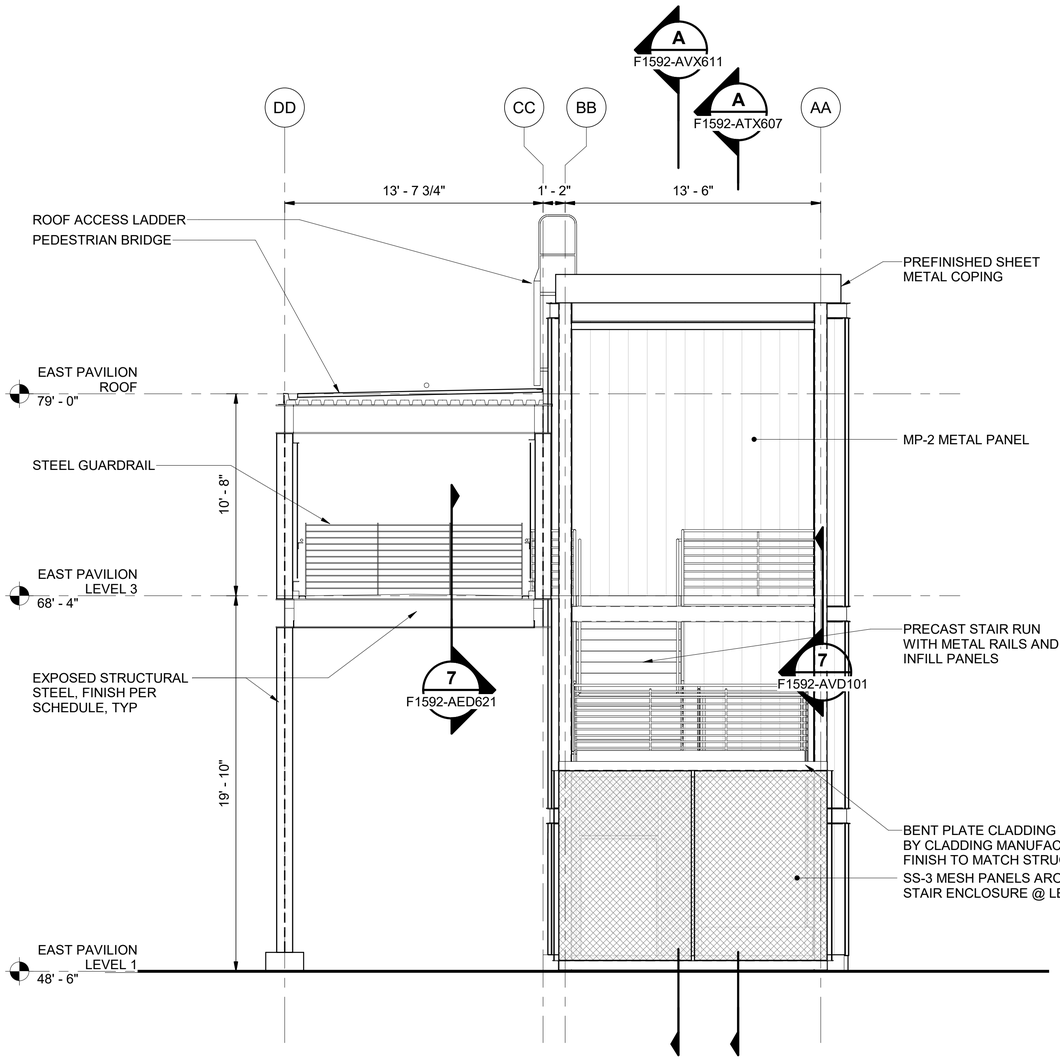
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SOUNDTRANSIT
DATE: 10/26/2022

SCALE: AS NOTED
FILENAME: S317-F1592-A_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
ARCHITECTURAL
ENLARGED ELEVATIONS

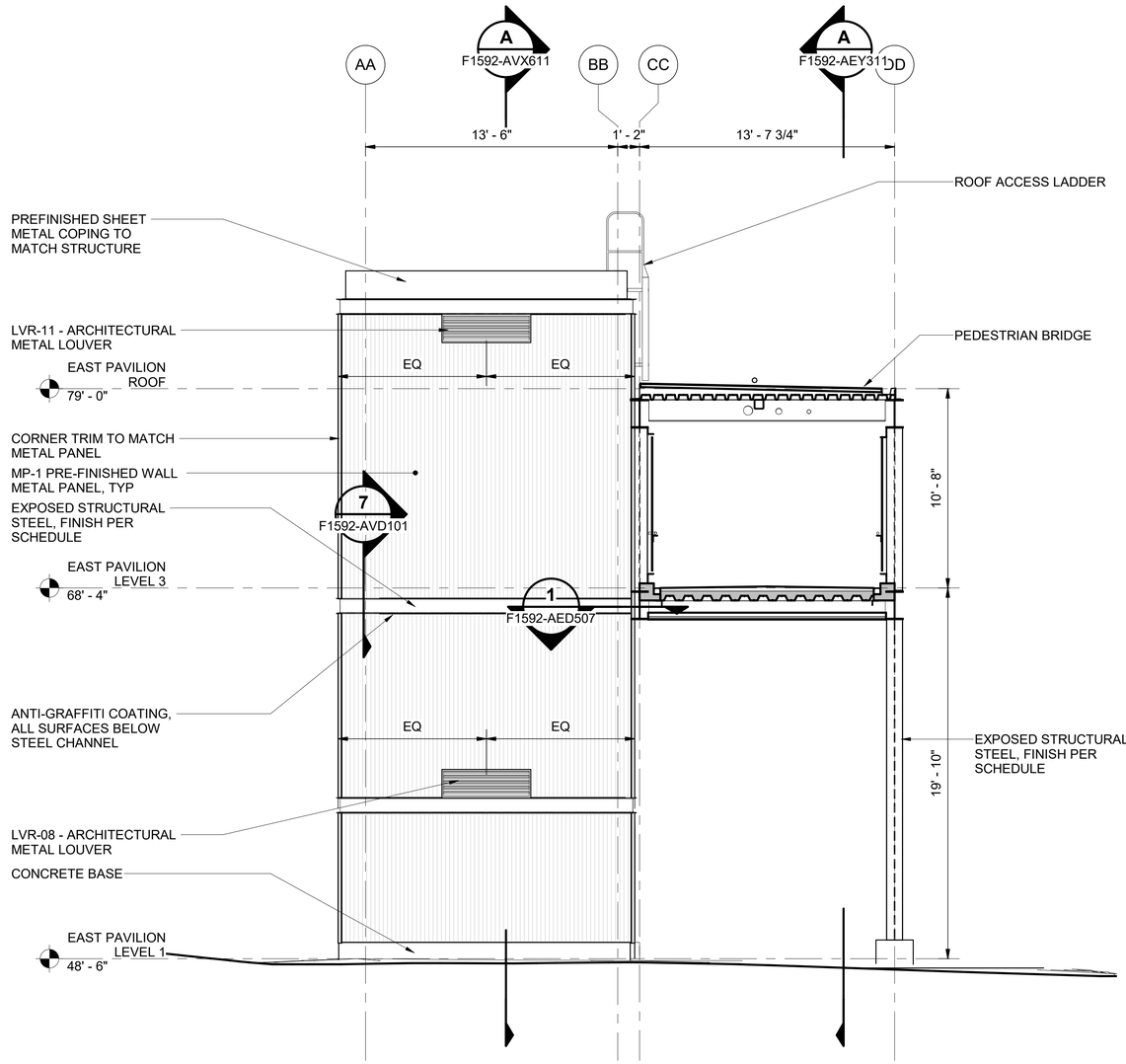
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FACILITY ID: F1592
SHEET No: 321
REV: 0



EAST ABUTMENT EAST ELEVATION

SCALE: 1/4" = 1'-0"

A
F1592-APP101



EAST ABUTMENT WEST ELEVATION

SCALE: 1/4" = 1'-0"

B
F1592-APP101

6/21/2022 4:23:37 PM
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FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	CD	PC	BC	FINAL AS-BUILT

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DRAWN BY: M. BRYANT/ N. SMITH
CHECKED BY: P. CHUBB
APPROVED BY: B. CONNOLLY

MITHŪN
SUBMITTED BY: SARA ROBERTS

HENSEL PHELPS Plan. Build. Manage.
kpff
DATE: 10/26/2022

REVIEWED BY: GREG SHIMIZU

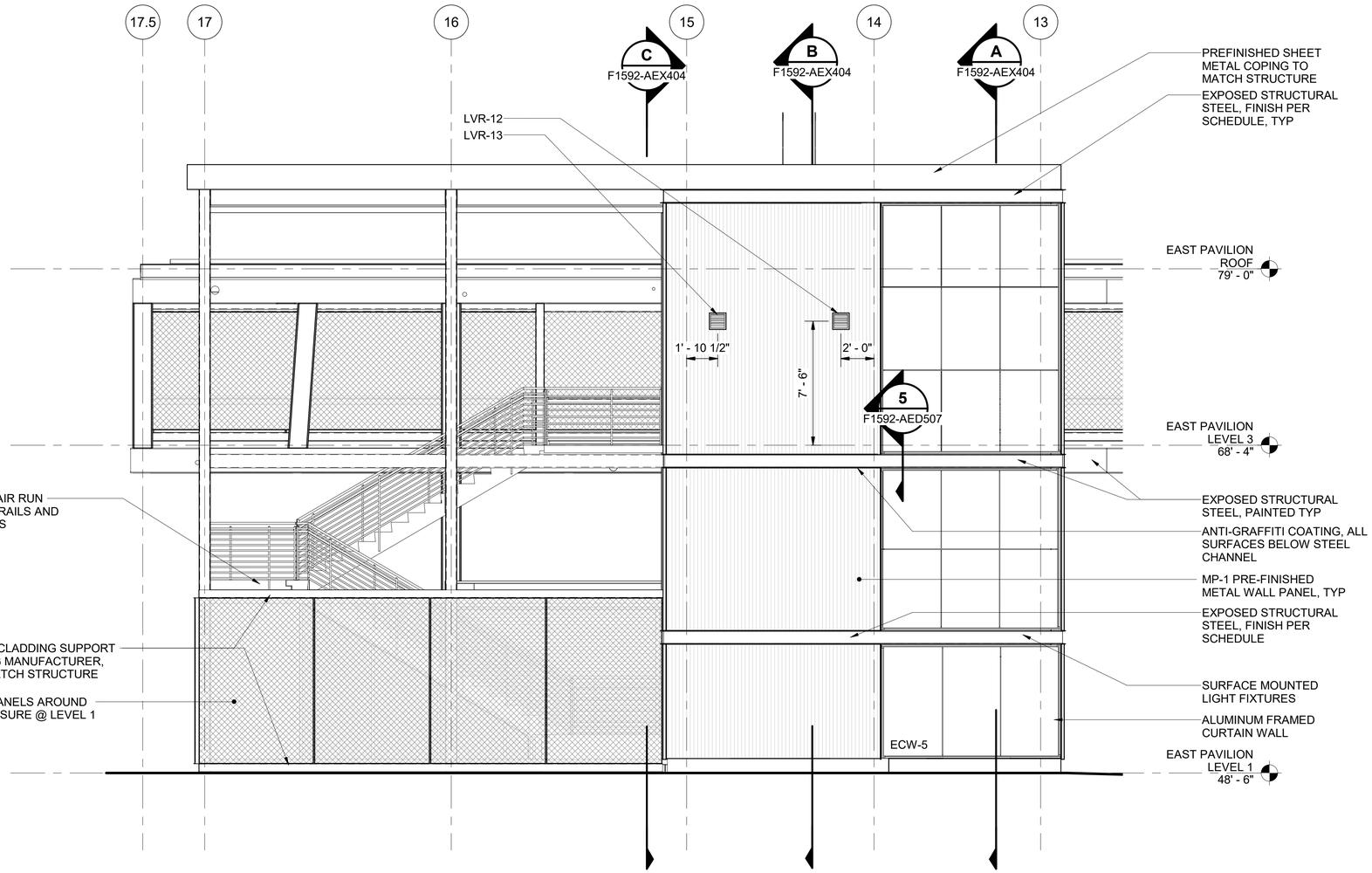
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SOUNDTRANSIT
DATE: 10/26/2022

SCALE: 1/4" = 1'-0"
FILENAME: S317-F1592-A_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
ARCHITECTURAL
ENLARGED ELEVATIONS

DRAWING No.: **F1592-AEE409**
FACILITY ID: F1592
SHEET No: 322
REV: 0



EAST ABUTMENT NORTH ELEVATION

SCALE: 1/4" = 1'-0"

A
F1592-AEE301

6/21/2022 4:23:39 PM
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FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	CD	PC	BC	FINAL AS-BUILT

DESIGNED BY: C. DOMINGUEZ
DRAWN BY: M. BRYANT/ N. SMITH
CHECKED BY: P. CHUBB
APPROVED BY: B. CONNOLLY

MITHŪN
SUBMITTED BY: SARA ROBERTS

HENSEL PHELPS
Plan. Build. Manage.
kpff
DATE: 10/26/2022
REVIEWED BY: GREG SHIMIZU

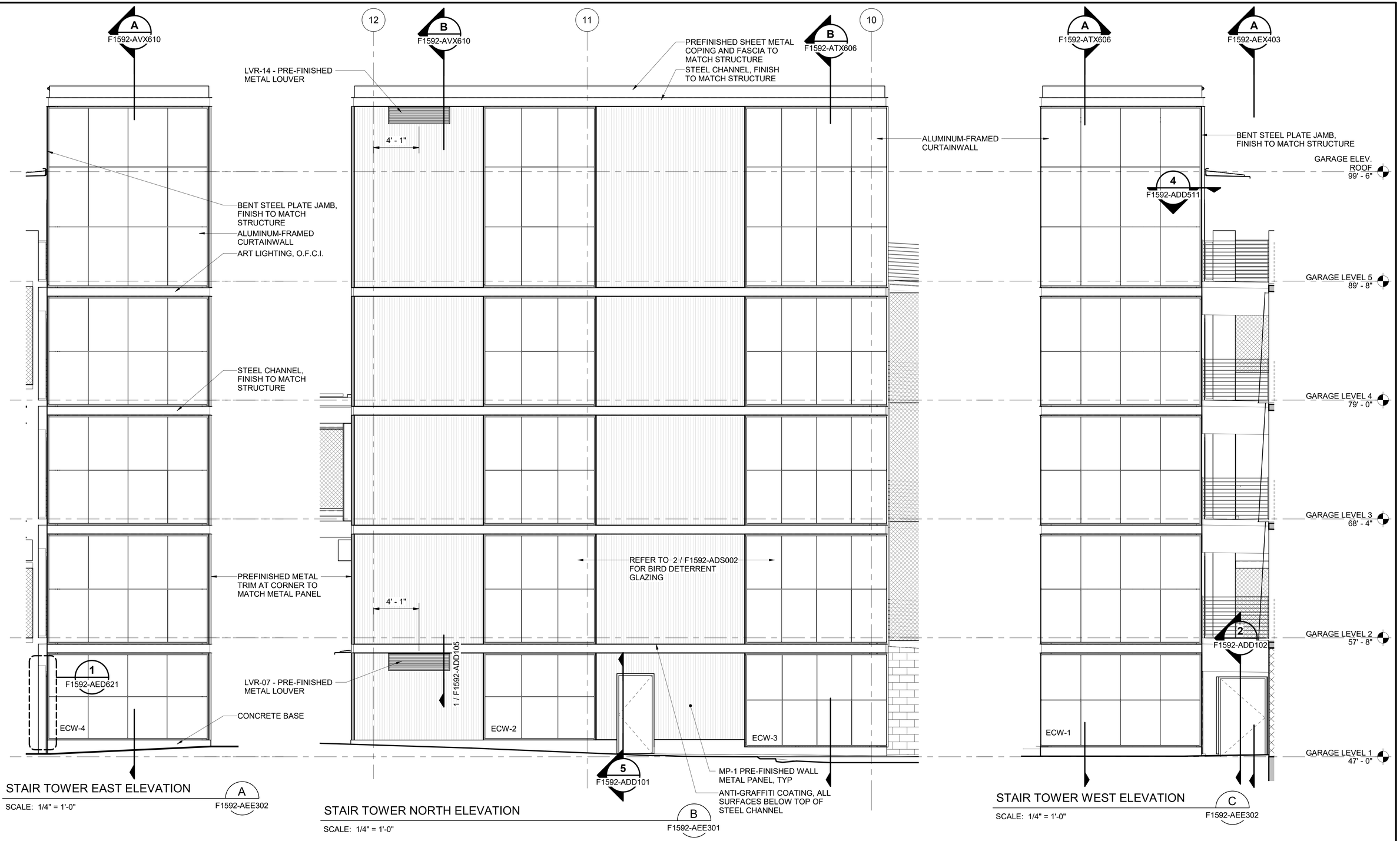
LINE IS 1" AT FULL SCALE

SOUNDTRANSIT
DATE: 10/26/2022

SCALE: 1/4" = 1'-0"
FILENAME: S317-F1592-A_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
ARCHITECTURAL
ENLARGED ELEVATIONS

DRAWING No.: F1592-AEE410
FACILITY ID: F1592
SHEET No.: 323
REV: 0



STAIR TOWER EAST ELEVATION
SCALE: 1/4" = 1'-0"
A F1592-AEE302

STAIR TOWER NORTH ELEVATION
SCALE: 1/4" = 1'-0"
B F1592-AEE301

STAIR TOWER WEST ELEVATION
SCALE: 1/4" = 1'-0"
C F1592-AEE302

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	CD	PC	BC	FINAL AS-BUILT

DESIGNED BY: C. DOMINGUEZ
DRAWN BY: M. BRYANT/ N. SMITH
CHECKED BY: P. CHUBB
APPROVED BY: B. CONNOLLY

MITHŪN
SUBMITTED BY: SARA ROBERTS

HENSEL PHELPS Plan. Build. Manage.
kpff
DATE: 10/26/2022

LINE IS 1" AT FULL SCALE

REVIEWED BY: GREG SHIMIZU

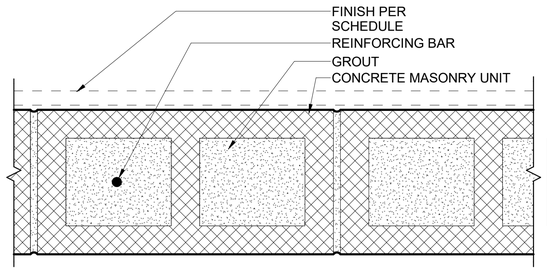
SOUNDTRANSIT
DATE: 10/26/2022

SCALE: 1/4" = 1'-0"
FILENAME: S317-F1592-A_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

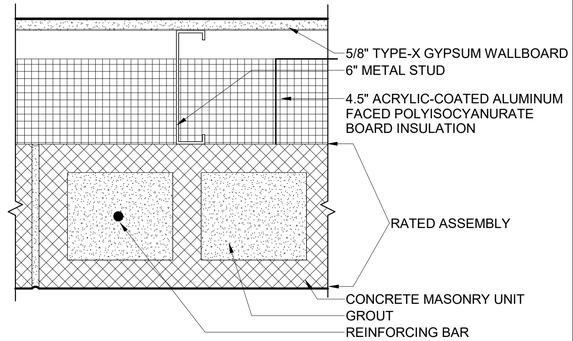
PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
ARCHITECTURAL
ENLARGED ELEVATIONS - STAIR TOWER

DRAWING No.: F1592-AEE411
FACILITY ID: F1592
SHEET No: 324
REV: 0

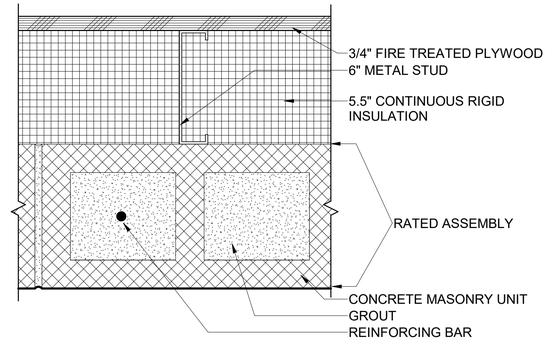
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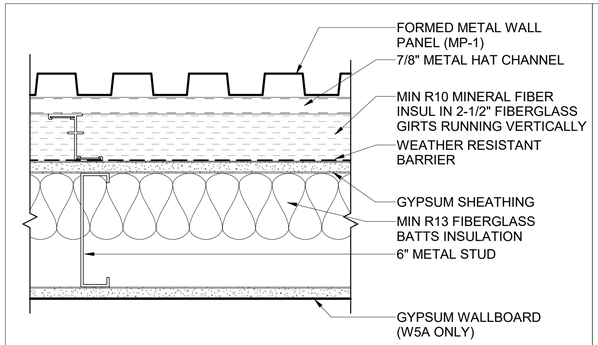
RATED CMU WALL	THERMAL		FIRE	
	R-V	U-V	RATING	TEST
W1	N/A	N/A	1&2-HR	U906



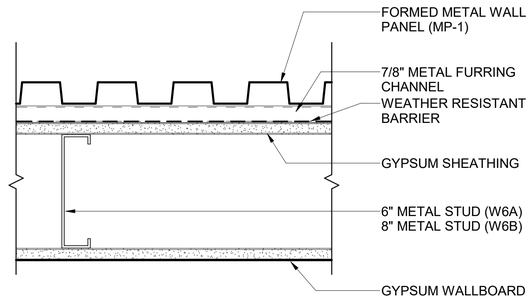
INSULATED & RATED CMU WALL	THERMAL		FIRE	
	R-V	U-V	RATING	TEST
W2	31	.102	2-HR	U906



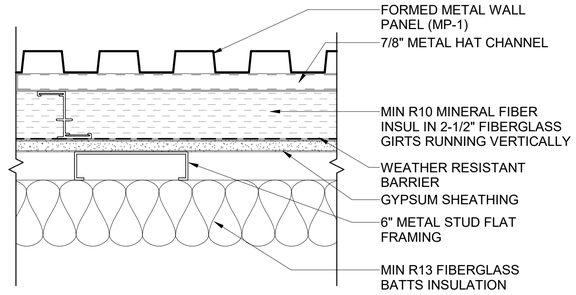
INSULATED & RATED CMU WALL	THERMAL		FIRE	
	R-V	U-V	RATING	TEST
W2.1	27.5	.102	1&2-HR	U906



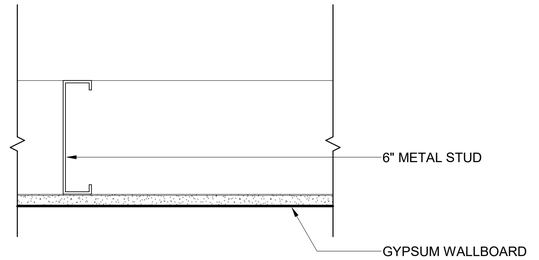
INSULATED STEEL-FRAMED MTL PANEL	THERMAL		FIRE	
	R-V	U-V	RATING	TEST
W5	R13+10ci		0-HR	



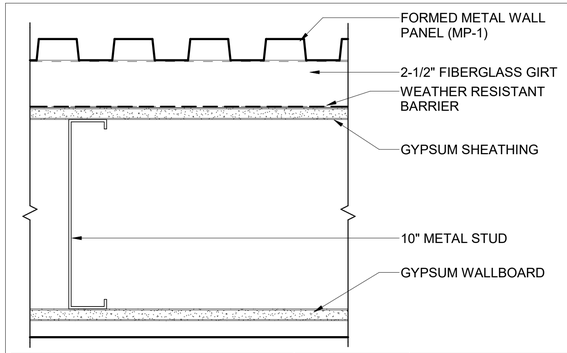
STEEL-FRAMED METAL PANEL	THERMAL		FIRE	
	R-V	U-V	RATING	TEST
W6	R13+10ci		0-HR	



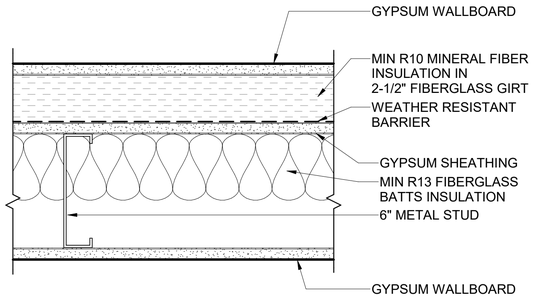
STEEL FLAT FRAMED METAL PANEL	THERMAL		FIRE	
	R-V	U-V	RATING	TEST
W7	R13+10ci		0-HR	



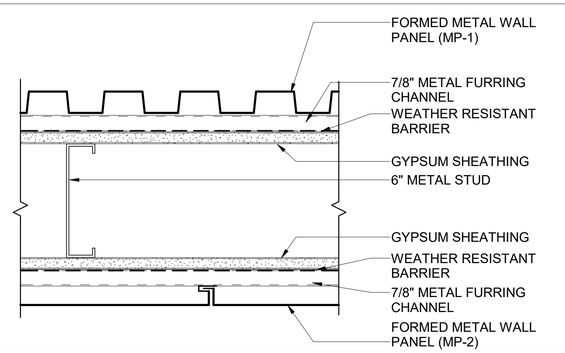
STEEL-FRAMED FURRING	THERMAL		FIRE	
	R-V	U-V	RATING	TEST
W8	N/A		0-HR	



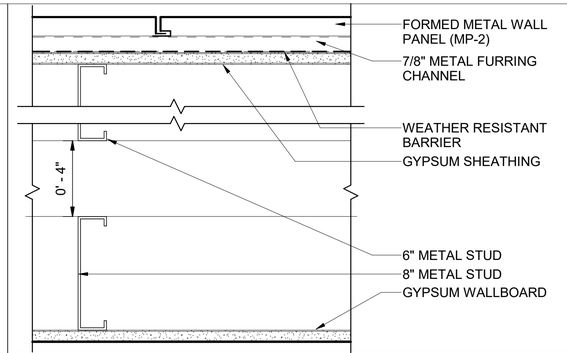
STEEL FRAMED ADJACENT TO INSULATED	THERMAL		FIRE	
	R-V	U-V	RATING	TEST
W9	N/A		0-HR	



STEEL-FRAMED INTERIOR INSULATED	THERMAL		FIRE	
	R-V	U-V	RATING	TEST
W10	R13+10ci		0-HR	



STEEL-FRAMED METAL PANEL BOTH SIDES	THERMAL		FIRE	
	R-V	U-V	RATING	TEST
W11	N/A		0-HR	



STEEL-FRAMED DOUBLE-STUD METAL PANEL	THERMAL		FIRE	
	R-V	U-V	RATING	TEST
W12	N/A			

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	CD	PC	BC	FINAL AS-BUILT

DESIGNED BY: C. DOMINGUEZ
DRAWN BY: M. BRYANT/ N. SMITH
CHECKED BY: P. CHUBB
APPROVED BY: B. CONNOLLY

MITHŪN
SUBMITTED BY: SARA ROBERTS

HENSEL PHELPS Plan. Build. Manage.
kpff
DATE: 10/26/2022

REVIEWED BY: GREG SHIMIZU

LINE IS 1" AT FULL SCALE

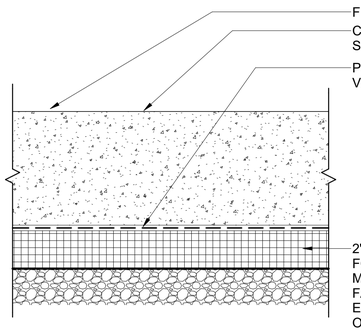
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DATE: 10/26/2022

SCALE: NTS
FILENAME: S317-F1592-A_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
ARCHITECTURAL
WALL PROFILES

DRAWING No.: F1592-AXV501
FACILITY ID: F1592
SHEET No.: 325
REV: 0

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INSULATED SLAB	THERMAL		FIRE	
	R-V	U-V	RATING	TEST
F1	R-10	0.54	N/A	

	THERMAL		FIRE	
	R-V	U-V	RATING	TEST
	R-##			

	THERMAL		FIRE	
	R-V	U-V	RATING	TEST
	R-##			

	THERMAL		FIRE	
	R-V	U-V	RATING	TEST
	R-##			

	THERMAL		FIRE	
	R-V	U-V	RATING	TEST
	R-##			

	THERMAL		FIRE	
	R-V	U-V	RATING	TEST
	R-##			

BUILDING ASSEMBLIES SCHEDULE NOTES

1. THE WALL SYMBOL. WALL TYPE KEYED TO THE ADJACENT SCHEDULE.

W5 ← WALL TYPE NUMBER
PARTITION CONFIGURATION TYPE IF ALPHA MODIFIER IS INDICATED

2. FIRE RATED ASSEMBLIES ARE BASED ON IBC, UL, OR US GYPSUM ASSOCIATION (GA) TEST DATA AND ARE TO BE CONSTRUCTED IN ACCORDANCE WITH THE REQUIREMENTS OF THE TESTING AGENCIES. REFER TO SPECIFIC TEST REPORTS INDICATED FOR REQUIRED COMPONENTS AND ASSEMBLY. CONTRACTOR SHALL PROVIDE (2) COPIES OF EACH REFERENCED MANUAL TO THE JOBSITE TO COORDINATE FIRE RESISTIVE ATTACHMENT WITH SHEAR CONNECTORS AND SOUND RATED ASSEMBLIES. GA 600 MANUAL IS ACCEPTED BY 2012 IBC TABLE 720.1(2) NOTE O FOR NON-PROPRIETARY ASSEMBLIES.

3. EXTENTS OF ASSEMBLIES ARE SHOWN ON THE PLANS AND SECTIONS. FIRE RATED WALL ASSEMBLIES FORM A SEPARATION THAT SHALL BE CONTINUOUS FROM FLOOR TO STRUCTURE ABOVE WITH NO BREAKS AT COLUMNS, WALL TRANSITIONS, OR OTHER OBSTRUCTIONS.

4. ALL PENETRATIONS IN FIRE RATED ASSEMBLIES REQUIRED TO HAVE PROTECTED OPENINGS SHALL BE FIRESTOPPED OR PROVIDED WITH APPROVED SMOKE AND/OR FIRE DAMPERS PER CODE REQUIREMENTS.

5. PROVIDE THRU-PENETRATION FIRESTOP SYSTEMS FOR RATED ROOFS, WALLS, AND FLOORS THAT ARE PRODUCED AND INSTALLED TO RESIST THE SPREAD OF FIRE ACCORDING TO REQUIREMENTS INDICATED, RESIST PASSAGE OF SMOKE AND OTHER GASES, AND MAINTAIN ORIGINAL FIRE-RESISTANCE RATING OF THE ASSEMBLY PENETRATED.

6. FIRE RATED WALLS MAY HAVE OPENINGS FOR STEEL ELECTRICAL BOXES NOT TO EXCEED 16 SQUARE INCHES PROVIDED THE AGGREGATE AREA OF ALL BOXES DOES NOT EXCEED 100 SQUARE INCHES FOR ANY 100 SQUARE FEET OF PARTITION.

7. ALL GYPSUM BOARD SHALL BE TYPE "X" UNLESS NOTED OTHERWISE.

8. SUBSTITUTE TYPE "X" MOLD AND WATER RESISTANT GYPSUM BOARD AT TOILET, SHOWER, JANITOR, AND KITCHEN ROOMS, KITCHENETTE, AND SIMILAR "WET" USES.

9. PROVIDE BLOCKING AT THE FOLLOWING LOCATIONS: CASEWORK, SHELVING, AND PANELING; ACCESSORIES AND EQUIPMENT; DOOR HARDWARE; TOILET PARTITIONS AND ACCESSORIES; ACOUSTICAL PANELS; AND OTHER LOCATIONS WHERE REQUIRED PER MANUFACTURER'S RECOMMENDATIONS OR INDUSTRY STANDARDS.

10. THESE DETAILS REPRESENT MINIMUM ARCHITECTURAL REQUIREMENTS. IN SOME CASES THE STRUCTURAL DRAWINGS WILL DETERMINE THE ACTUAL DIMENSIONS AND CONNECTION METHODS, AND IN THOSE CASES WILL GOVERN. COORDINATE BETWEEN SCOPE SHOWN BY THE STRUCTURAL DRAWINGS AND INDICATED MINIMUM ARCHITECTURAL ASSEMBLIES.

11. IN C2 AND C3 ASSEMBLIES, THE STRUCTURAL CONCRETE PARKING DECK CONSTITUTES THE RATED ASSEMBLY. THE SPRAY-FOAM INSULATION WILL BE CONSIDERED AN INTERIOR FINISH PER SECTIONS 720, 803, 803.1.1 & 807 OF THE 2015 IBC WITH WA STATE AMENDMENTS.

FINAL AS-BUILT

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DESIGNED BY: C. DOMINGUEZ
DRAWN BY: M. BRYANT/ N. SMITH
CHECKED BY: P. CHUBB
APPROVED BY: B. CONNOLLY

MITHŪN
SUBMITTED BY: SARA ROBERTS
DATE: 10/26/2022

HENSEL PHELPS Plan. Build. Manage. kpff
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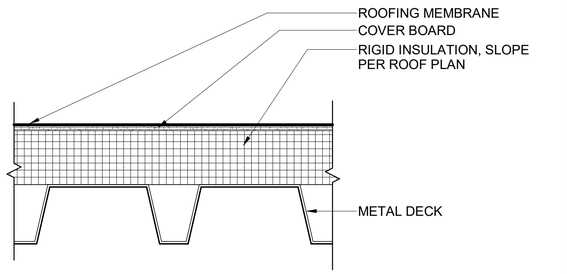
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SOUNDTRANSIT
SCALE: NTS
FILENAME: S317-F1592-A_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

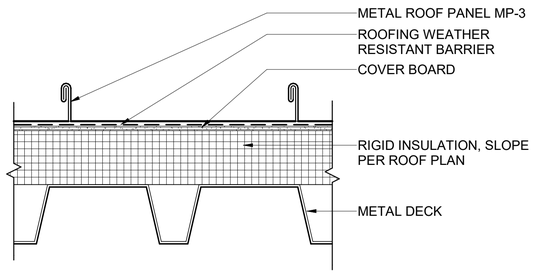
PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
ARCHITECTURAL
FLOOR PROFILES

DRAWING No.: F1592-APV502
FACILITY ID: F1592
SHEET No.: 326
REV.: 0

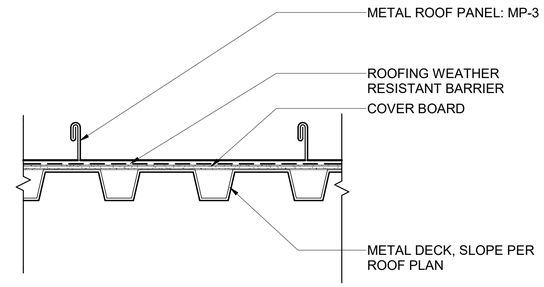
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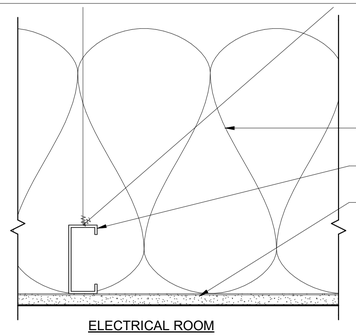
MEMBRANE ROOF	THERMAL		FIRE	
	R-V	U-V	RATING	TEST
R1	N/A		N/A	



METAL ROOF - SLOPED INSULATION	THERMAL		FIRE	
	R-V	U-V	RATING	TEST
R2	N/A		N/A	

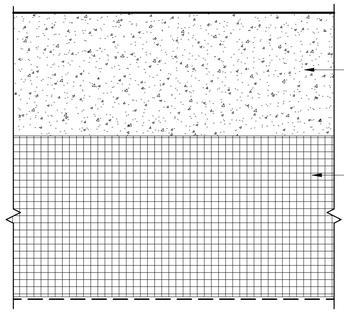


METAL ROOF - SLOPED STRUCTURE	THERMAL		FIRE	
	R-V	U-V	RATING	TEST
R3	N/A			

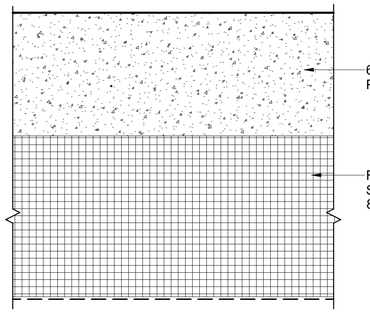


ELECTRICAL ROOM

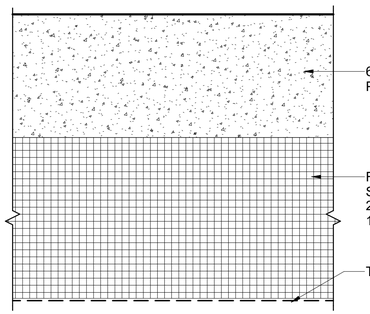
INSULATED SUSPENDED CEILING	THERMAL		FIRE	
	R-V	U-V	RATING	TEST
C1	R-49	0.027	N/A	



INSULATED SLAB	THERMAL		FIRE	
	R-V	U-V	RATING	TEST
C2	R-49	0.021	N/A	



INSULATED SLAB - 1 HOUR	THERMAL		FIRE	
	R-V	U-V	RATING	TEST
C3	R-49	0.021	1HR	ACI 216.1/ TMS 0216



INSULATED SLAB - 2 HOUR	THERMAL		FIRE	
	R-V	U-V	RATING	TEST
C3.1	R-49	0.021	2HR	ACI 216.1/ TMS 0216

	THERMAL		FIRE	
	R-V	U-V	RATING	TEST
	R-##			

	THERMAL		FIRE	
	R-V	U-V	RATING	TEST
	R-##			

BUILDING ASSEMBLIES SCHEDULE NOTES

1. THE WALL SYMBOL. WALL TYPE KEYED TO THE ADJACENT SCHEDULE.



2. FIRE RATED ASSEMBLIES ARE BASED ON IBC, UL, OR US GYPSUM ASSOCIATION (GA) TEST DATA AND ARE TO BE CONSTRUCTED IN ACCORDANCE WITH THE REQUIREMENTS OF THE TESTING AGENCIES. REFER TO SPECIFIC TEST REPORTS INDICATED FOR REQUIRED COMPONENTS AND ASSEMBLY. CONTRACTOR SHALL PROVIDE (2) COPIES OF EACH REFERENCED MANUAL TO THE JOBSITE TO COORDINATE FIRE RESISTIVE ATTACHMENT WITH SHEAR CONNECTORS AND SOUND RATED ASSEMBLIES. GA 600 MANUAL IS ACCEPTED BY 2012 IBC TABLE 720.1(2) NOTE O FOR NON-PROPRIETARY ASSEMBLIES.

3. EXTENTS OF ASSEMBLIES ARE SHOWN ON THE PLANS AND SECTIONS. FIRE RATED WALL ASSEMBLIES FORM A SEPARATION THAT SHALL BE CONTINUOUS FROM FLOOR TO STRUCTURE ABOVE WITH NO BREAKS AT COLUMNS, WALL TRANSITIONS, OR OTHER OBSTRUCTIONS.

4. ALL PENETRATIONS IN FIRE RATED ASSEMBLIES REQUIRED TO HAVE PROTECTED OPENINGS SHALL BE FIRESTOPPED OR PROVIDED WITH APPROVED SMOKE AND/OR FIRE DAMPERS PER CODE REQUIREMENTS.

5. PROVIDE THRU-PENETRATION FIRESTOP SYSTEMS FOR RATED ROOFS, WALLS, AND FLOORS THAT ARE PRODUCED AND INSTALLED TO RESIST THE SPREAD OF FIRE ACCORDING TO REQUIREMENTS INDICATED, RESIST PASSAGE OF SMOKE AND OTHER GASES, AND MAINTAIN ORIGINAL FIRE-RESISTANCE RATING OF THE ASSEMBLY PENETRATED.

6. FIRE RATED WALLS MAY HAVE OPENINGS FOR STEEL ELECTRICAL BOXES NOT TO EXCEED 16 SQUARE INCHES PROVIDED THE AGGREGATE AREA OF ALL BOXES DOES NOT EXCEED 100 SQUARE INCHES FOR ANY 100 SQUARE FEET OF PARTITION.

7. ALL GYPSUM BOARD SHALL BE TYPE "X" UNLESS NOTED OTHERWISE.

8. SUBSTITUTE TYPE "X" MOLD AND WATER RESISTANT GYPSUM BOARD AT TOILET, SHOWER, JANITOR, AND KITCHEN ROOMS, KITCHENETTE, AND SIMILAR "WET" USES.

9. PROVIDE BLOCKING AT THE FOLLOWING LOCATIONS: CASEWORK, SHELVING, AND PANELING; ACCESSORIES AND EQUIPMENT; DOOR HARDWARE; TOILET PARTITIONS AND ACCESSORIES; ACOUSTICAL PANELS; AND OTHER LOCATIONS WHERE REQUIRED PER MANUFACTURER'S RECOMMENDATIONS OR INDUSTRY STANDARDS.

10. THESE DETAILS REPRESENT MINIMUM ARCHITECTURAL REQUIREMENTS. IN SOME CASES THE STRUCTURAL DRAWINGS WILL DETERMINE THE ACTUAL DIMENSIONS AND CONNECTION METHODS, AND IN THOSE CASES WILL GOVERN. COORDINATE BETWEEN SCOPE SHOWN BY THE STRUCTURAL DRAWINGS AND INDICATED MINIMUM ARCHITECTURAL ASSEMBLIES.

11. IN C2 AND C3 ASSEMBLIES, THE STRUCTURAL CONCRETE PARKING DECK CONSTITUTES THE RATED ASSEMBLY. THE SPRAY-FOAM INSULATION WILL BE CONSIDERED AN INTERIOR FINISH PER SECTIONS 720, 803, 803.1.1 & 807 OF THE 2015 IBC WITH WA STATE AMENDMENTS.

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	CD	PC	BC	FINAL AS-BUILT

DESIGNED BY: C. DOMINGUEZ
DRAWN BY: M. BRYANT/ N. SMITH
CHECKED BY: P. CHUBB
APPROVED BY: B. CONNOLLY

MITHŪN
SUBMITTED BY: SARA ROBERTS

HENSEL PHELPS Plan. Build. Manage.
kpff
DATE: 10/26/2022
REVIEWED BY: GREG SHIMIZU

LINE IS 1" AT FULL SCALE

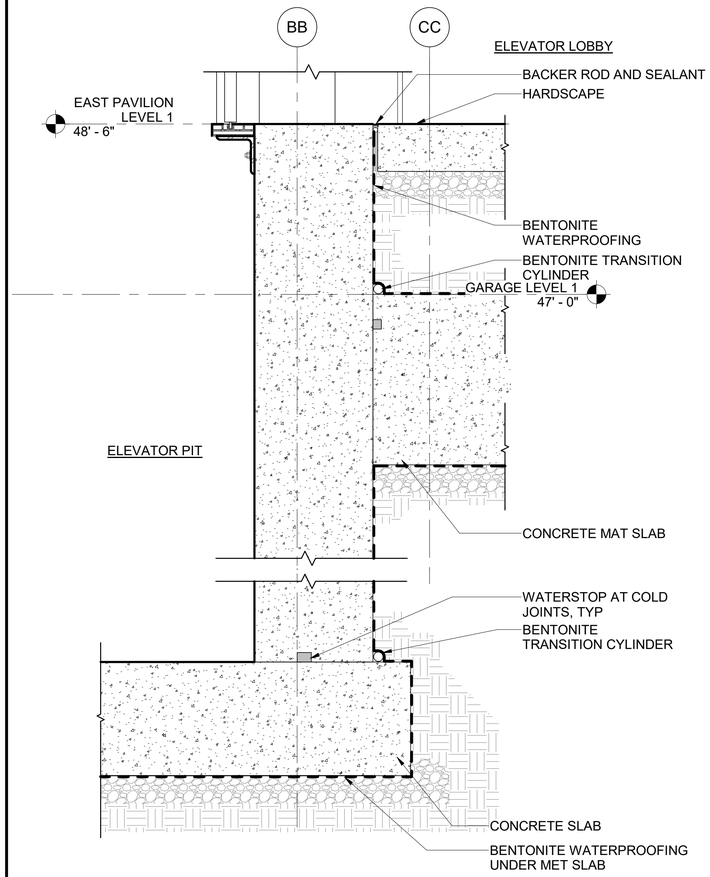
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DATE: 10/26/2022

SCALE: NTS
FILENAME: S317-F1592-A_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
ARCHITECTURAL
ROOF/CEILING PROFILES

DRAWING No.: F1592-ARV503
FACILITY ID: F1592
SHEET No: 327
REV: 0

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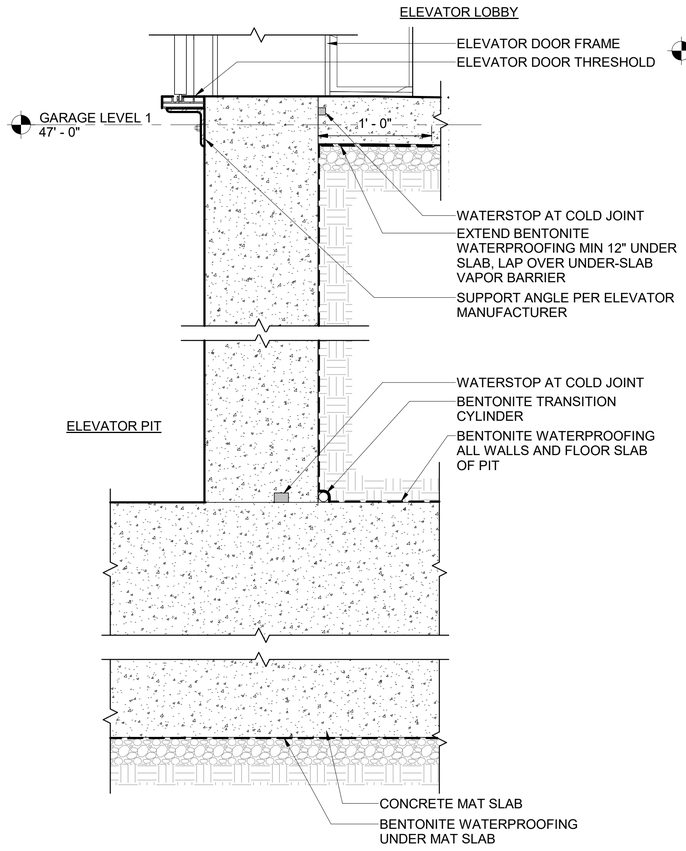


EAST ABUTMENT ELEVATOR PIT SECTION

1

F1592-AEX404

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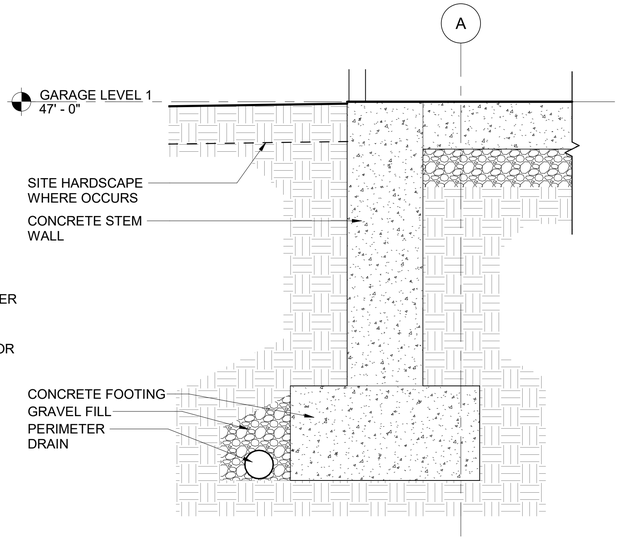


GARAGE ELEVATOR PIT SECTION

2

F1592-AVX610

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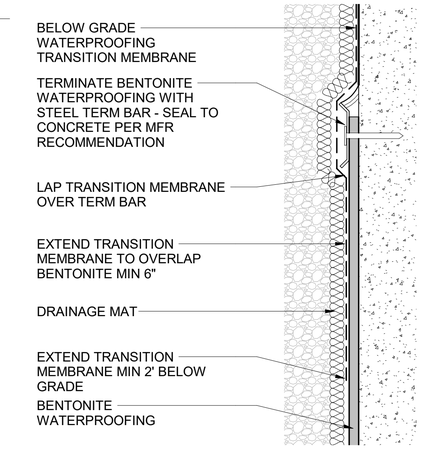


TYPICAL FOOTING DETAIL

3

F1592-AEX401

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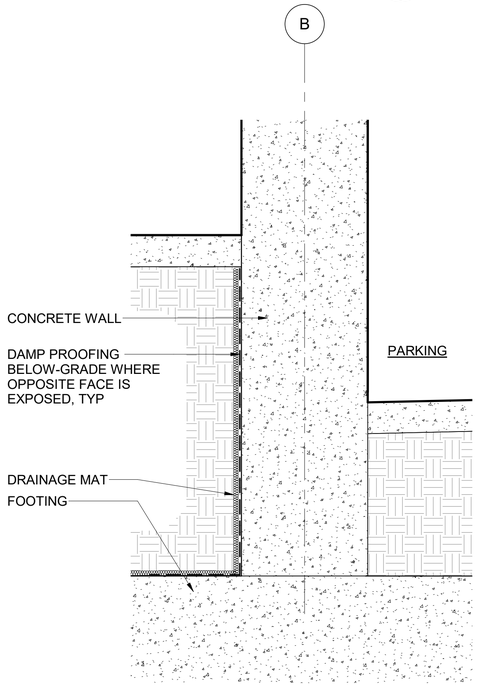


BELOW GRADE WP TRANSITION

4

-

SCALE: 6" = 1'-0"

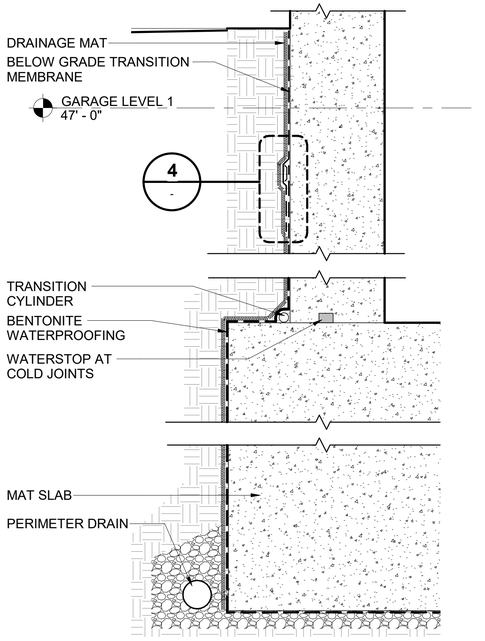


BELOW GRADE DAMP PROOFING

5

F1592-APP101

SCALE: 1" = 1'-0"



ELEVATOR PIT EXTERIOR WALL

6

F1592-AVX610

SCALE: 1 1/2" = 1'-0"

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FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	CD	PC	BC	FINAL AS-BUILT

DESIGNED BY: C. DOMINGUEZ
DRAWN BY: M. BRYANT/ N. SMITH
CHECKED BY: P. CHUBB
APPROVED BY: B. CONNOLLY

MITHŪN
SUBMITTED BY: SARA ROBERTS

HENSEL PHELPS Plan. Build. Manage.
kpff
DATE: 10/26/2022

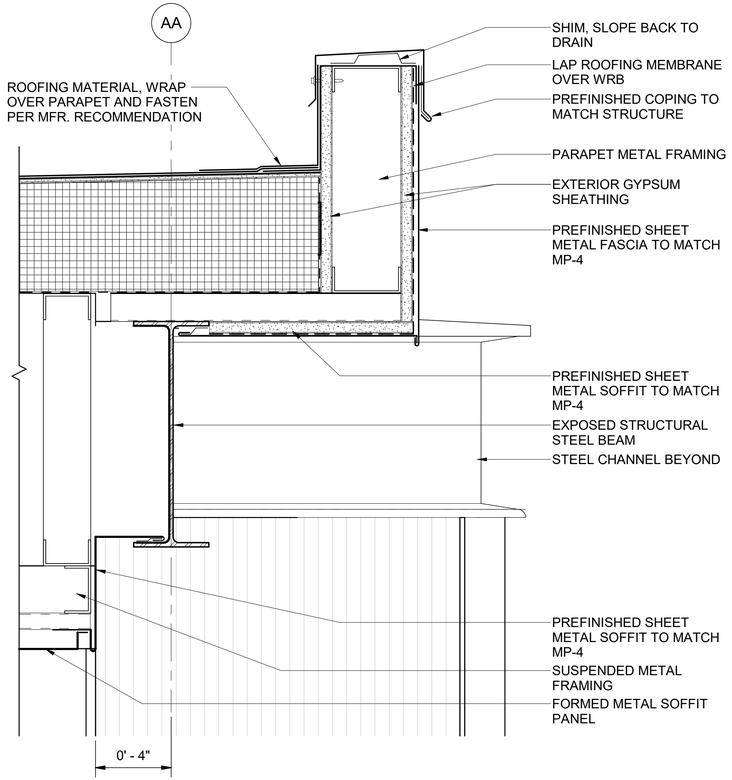
REVIEWED BY: GREG SHIMIZU
DATE: 10/26/2022

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT
SCALE: AS NOTED
FILENAME: S317-F1592-A_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
ARCHITECTURAL
BELOW GRADE DETAILS

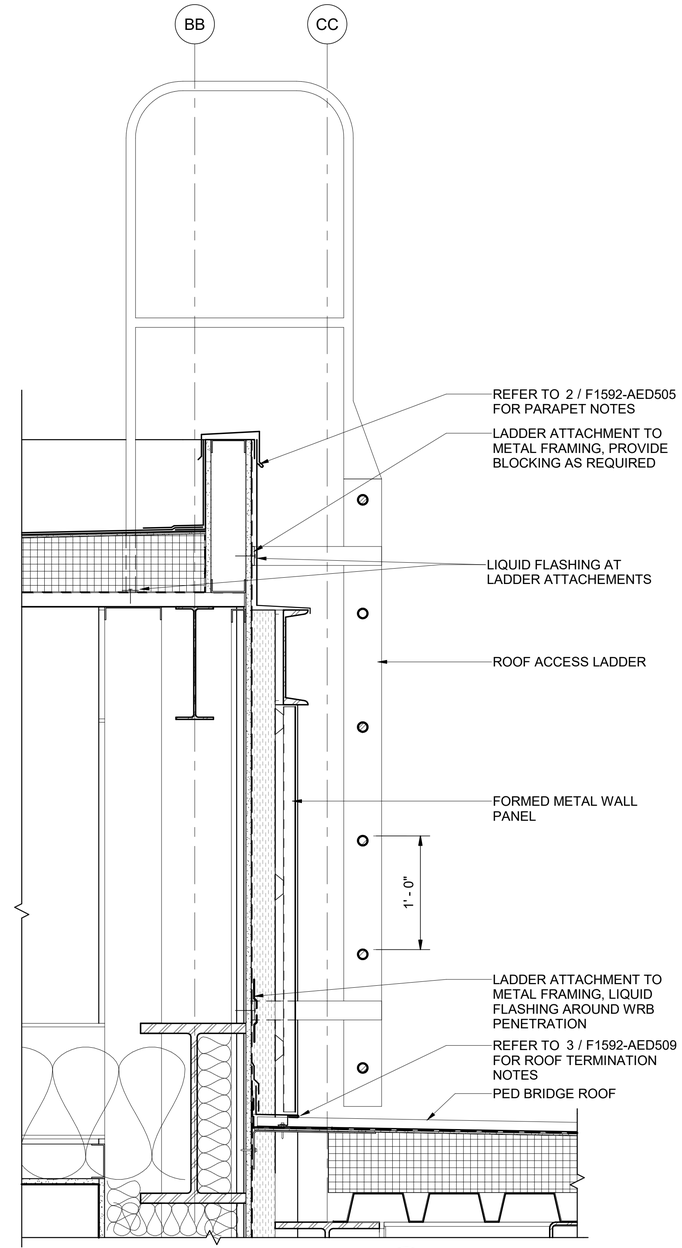
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FACILITY ID: F1592
SHEET No.: 328
REV: 0



ROOF DETAIL AT EAST STAIRS

SCALE: 3" = 1'-0"

1
F1592-AEX404



ROOF LADDER

SCALE: 1 1/2" = 1'-0"

2
F1592-AEX404

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FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	CD	PC	BC	FINAL AS-BUILT

DESIGNED BY: C. DOMINGUEZ
DRAWN BY: M. BRYANT/ N. SMITH
CHECKED BY: P. CHUBB
APPROVED BY: B. CONNOLLY

MITHŪN
SUBMITTED BY: SARA ROBERTS

HENSEL PHELPS Plan. Build. Manage.
kpff
DATE: 10/26/2022
REVIEWED BY: GREG SHIMIZU

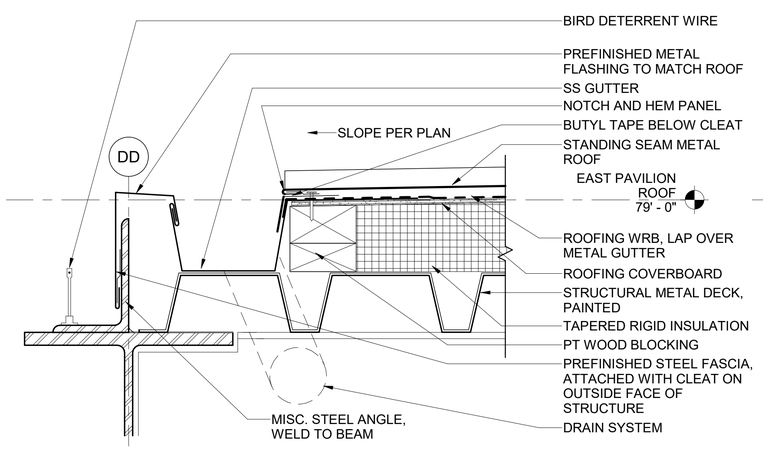
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SOUNDTRANSIT
DATE: 10/26/2022

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FILENAME: S317-F1592-A_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

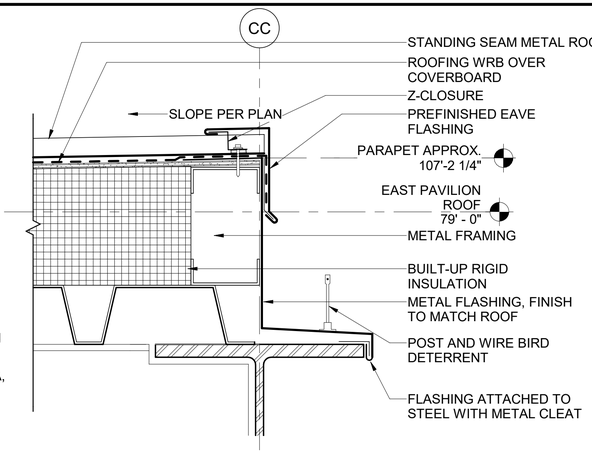
PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
ARCHITECTURAL
ROOF DETAILS

DRAWING No.: F1592-ARD508
FACILITY ID: F1592
SHEET No: 329
REV: 0



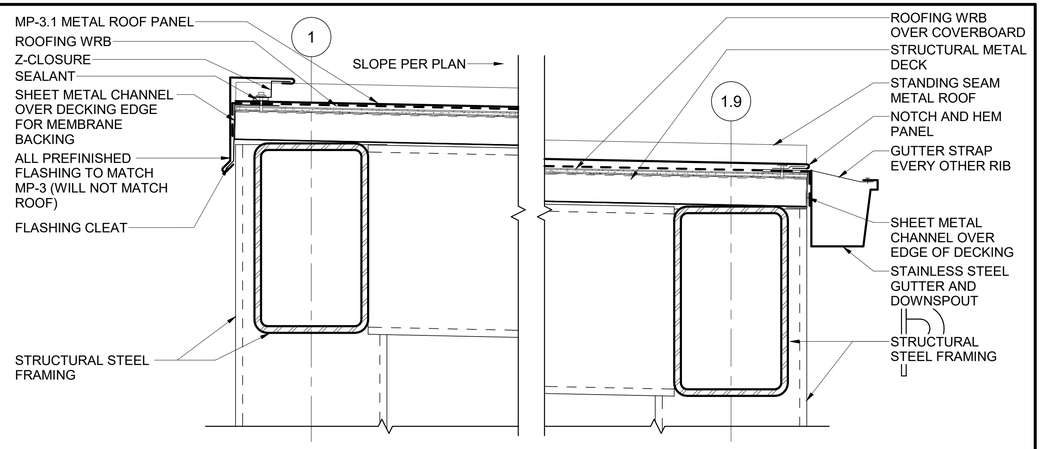
PEDESTRIAN BRIDGE ROOF - SOUTH EDGE 1

SCALE: 3" = 1'-0" F1592-ACP705



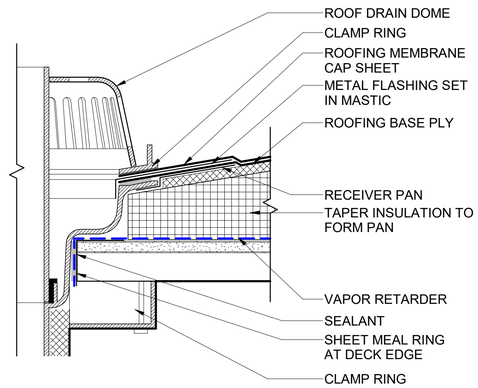
PEDESTRIAN BRIDGE ROOF - NORTH EDGE 2

SCALE: 3" = 1'-0" F1592-ACP705



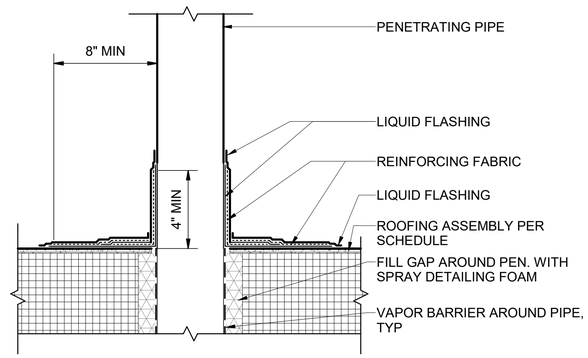
SW STAIR CANOPY 3

SCALE: 3" = 1'-0" F1592-ARP602



TYPICAL ROOF DRAIN 4

SCALE: 3" = 1'-0" F1592-AEX404



TYPICAL ROOF PENETRATION 5

SCALE: 3" = 1'-0" F1592-AEX404

6" 3" 0 1'

SCALE IN FEET

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	CD	PC	BC	FINAL AS-BUILT

DESIGNED BY: C. DOMINGUEZ
DRAWN BY: M. BRYANT/ N. SMITH
CHECKED BY: P. CHUBB
APPROVED BY: B. CONNOLLY

MITHŪN
SUBMITTED BY: SARA ROBERTS
DATE: 10/26/2022

HENSEL PHELPS Plan. Build. Manage. kpff
REVIEWED BY: GREG SHIMIZU
DATE: 10/26/2022

LINE IS 1" AT FULL SCALE

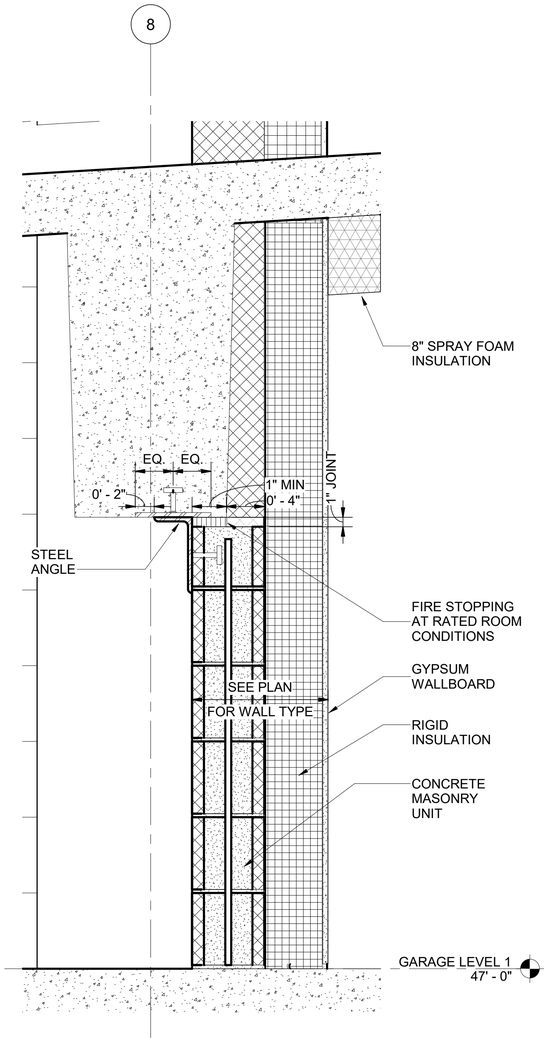
SOUNDTRANSIT

SCALE: 3" = 1'-0"
FILENAME: S317-F1592-A_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
ARCHITECTURAL
ROOF DETAILS

DRAWING No.: F1592-ARD509
FACILITY ID: F1592
SHEET No: 330
REV: 0

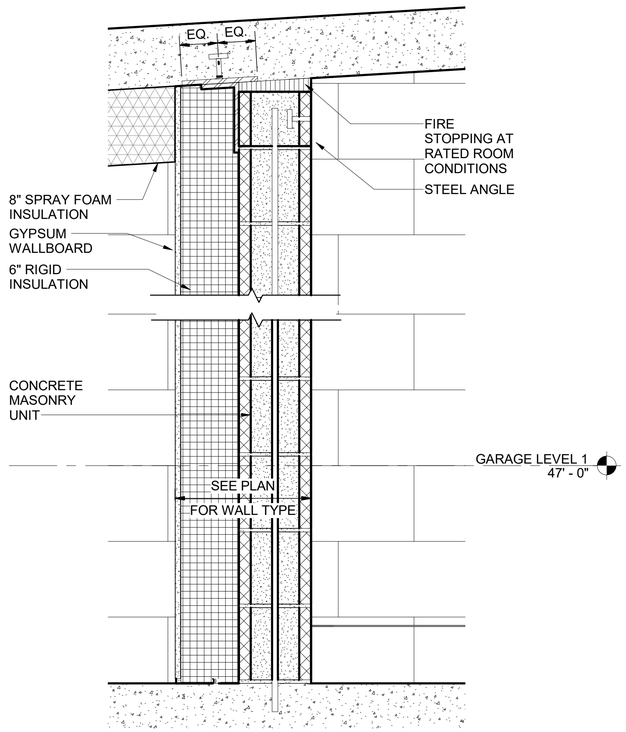
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GARAGE LEVEL 1 INTERIOR WALL DETAIL A

SCALE: 1 1/2" = 1'-0"

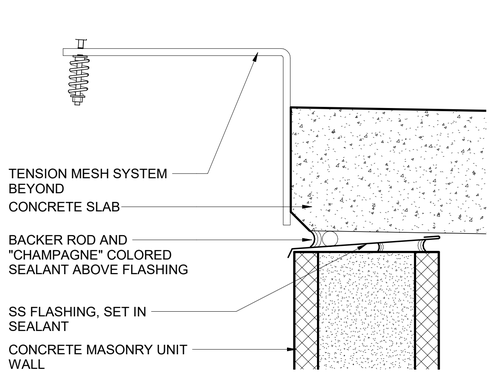
1 F1592-APP104



GARAGE LEVEL 1 INTERIOR WALL DETAIL B

SCALE: 1 1/2" = 1'-0"

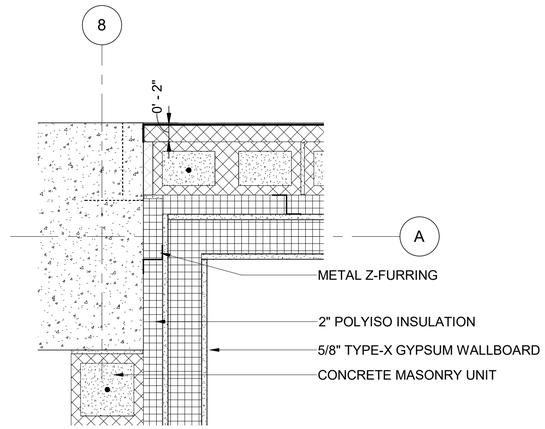
2 F1592-APP104



CMU DETAIL AT SLAB

SCALE: 3" = 1'-0"

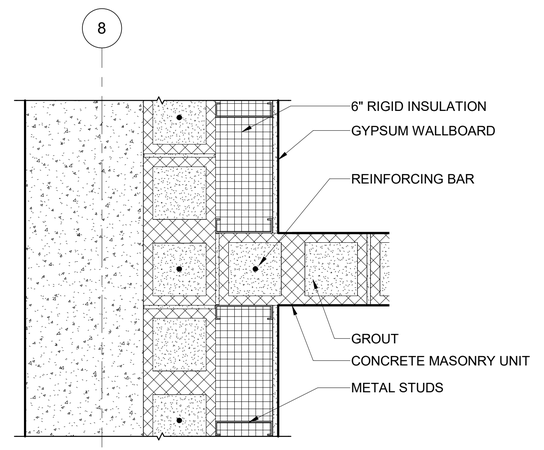
6 F1592-AEE404



CMU WALL INTERSECTION AT COLUMN

SCALE: 1 1/2" = 1'-0"

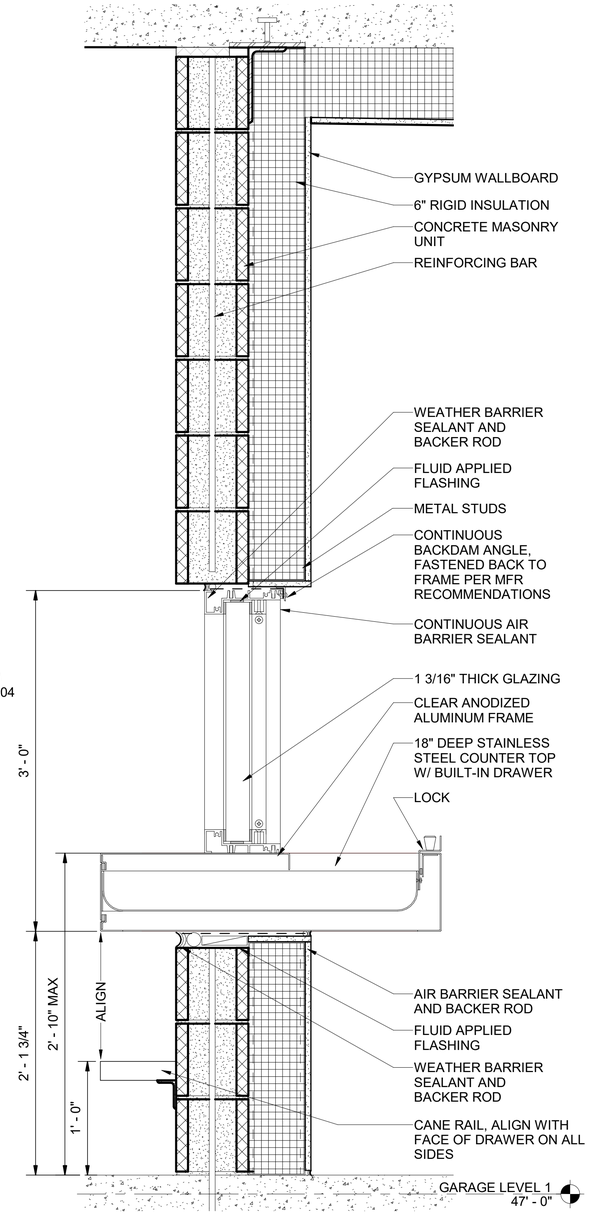
3 F1592-AED504



CMU WALL INTERSECTION DETAIL

SCALE: 1 1/2" = 1'-0"

4 F1592-APP104



SECURITY WINDOW AT CMU WALL

SCALE: 1 1/2" = 1'-0"

5 F1592-AIE801

6" 3" 0 6" 1' 1 1/2'

SCALE IN FEET

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FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	CD	PC	BC	FINAL AS-BUILT

DESIGNED BY: C. DOMINGUEZ
DRAWN BY: M. BRYANT/ N. SMITH
CHECKED BY: P. CHUBB
APPROVED BY: B. CONNOLLY

MITHŪN
SUBMITTED BY: SARA ROBERTS

HENSEL PHELPS Plan. Build. Manage.
kpff
DATE: 10/26/2022

REVIEWED BY: GREG SHIMIZU
DATE: 10/26/2022

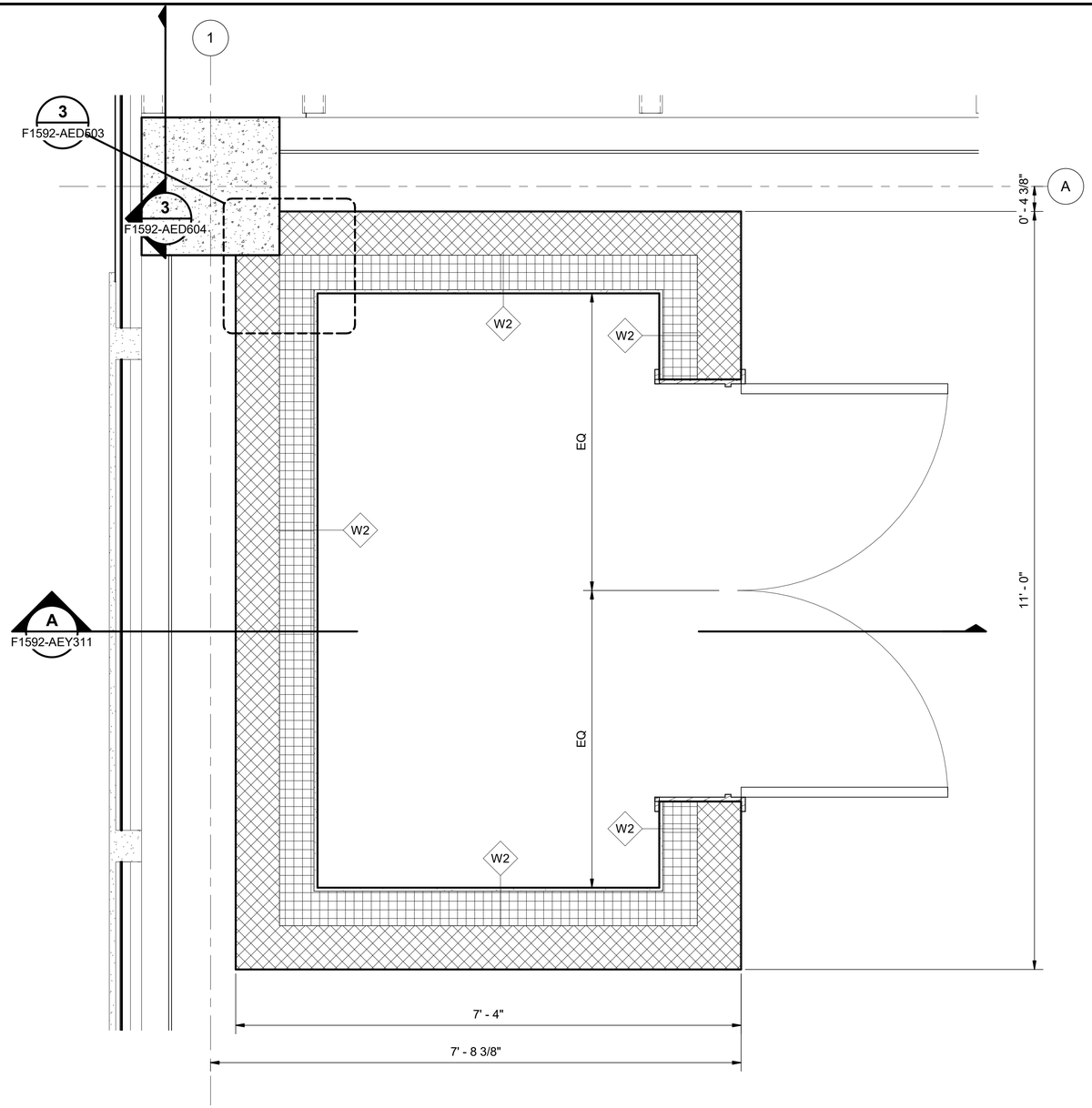
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SOUNDTRANSIT

SCALE: AS NOTED
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CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
ARCHITECTURAL
WALL DETAILS - CMU

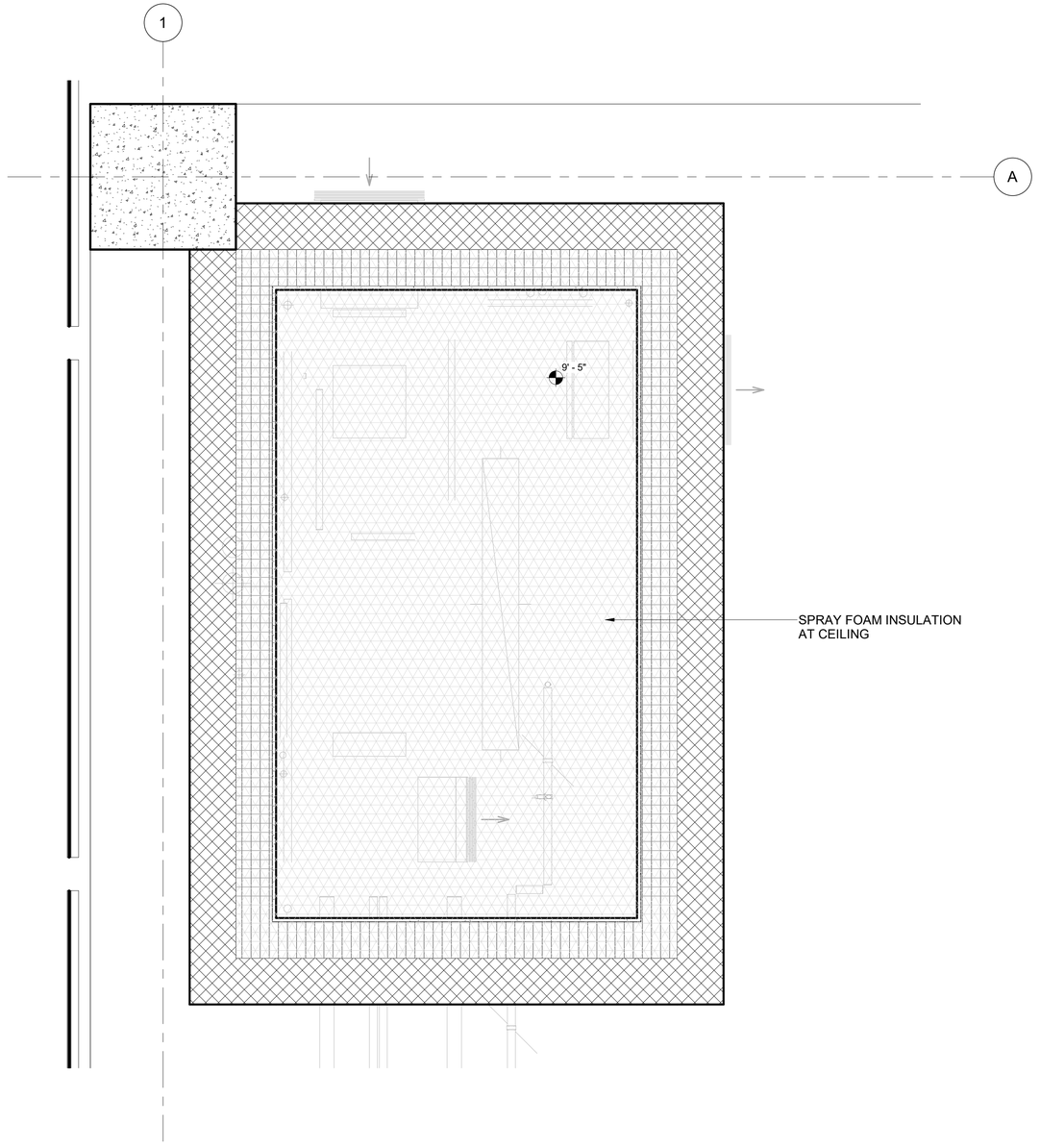
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FACILITY ID: F1592
SHEET No.: 331
REV.: 0



COMM CLOSET ENLARGED PLAN LEVEL 2-4

SCALE: 1" = 1'-0"

1 F1592-APP201



COMM CLOSET ENLARGED RCP LEVEL 2-4

SCALE: 1" = 1'-0"

2 F1592-ACP703

N

1' 6" 3" 0 2'

SCALE IN FEET

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	CD	PC	BC	FINAL AS-BUILT

DESIGNED BY: C. DOMINGUEZ
DRAWN BY: M. BRYANT/ N. SMITH
CHECKED BY: P. CHUBB
APPROVED BY: B. CONNOLLY

MITHŪN

HENSEL PHELPS
Plan. Build. Manage.
kpff

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT

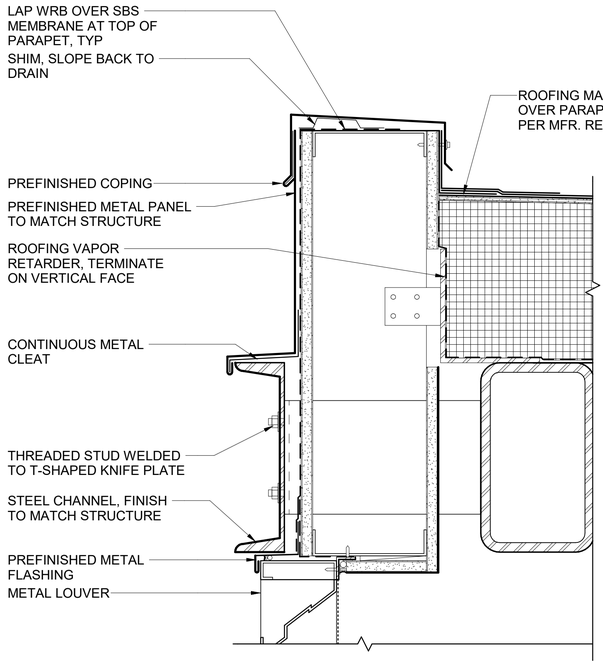
SUBMITTED BY: SARA ROBERTS
DATE: 10/26/2022
REVIEWED BY: GREG SHIMIZU
DATE: 10/26/2022

SCALE: 1" = 1'-0"
FILENAME: S317-F1592-A_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
ARCHITECTURAL
WALL DETAILS - CMU

DRAWING No.: F1592-AED504
FACILITY ID: F1592
SHEET No.: 332
REV.: 0

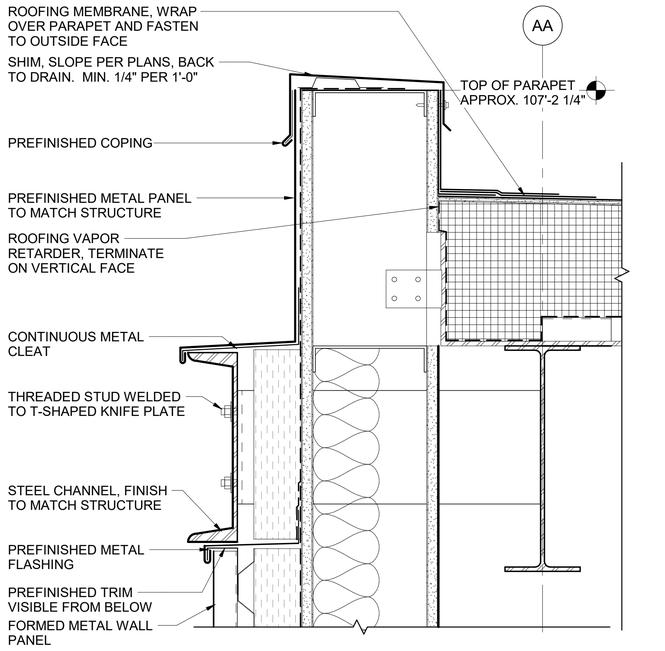
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PARAPET AT LOUVER

1 F1592-AVX610

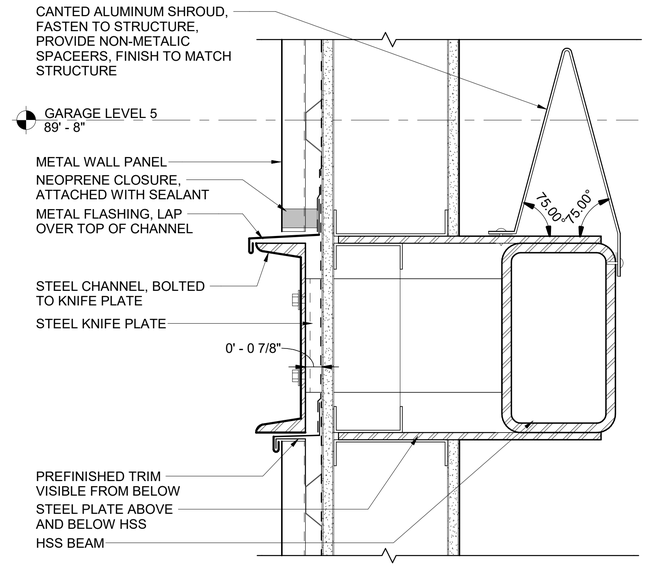
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METAL PANEL HEAD DETAIL AT EXTERIOR INSULATION

2 F1592-AEX404

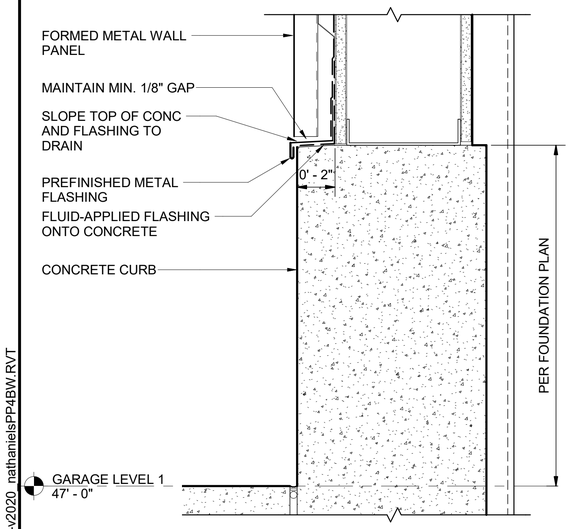
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METAL PANEL - MID SUPPORT DETAIL

3 F1592-AEX404

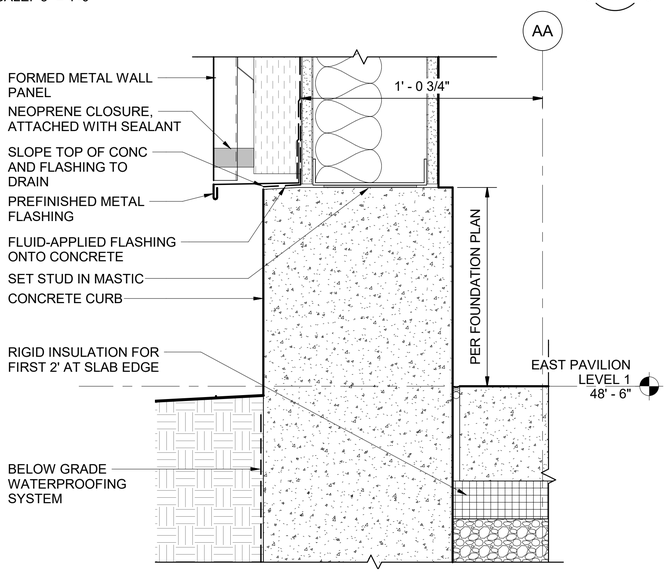
SCALE: 3" = 1'-0"



METAL PANEL - BASE DETAIL

4 F1592-AVX610

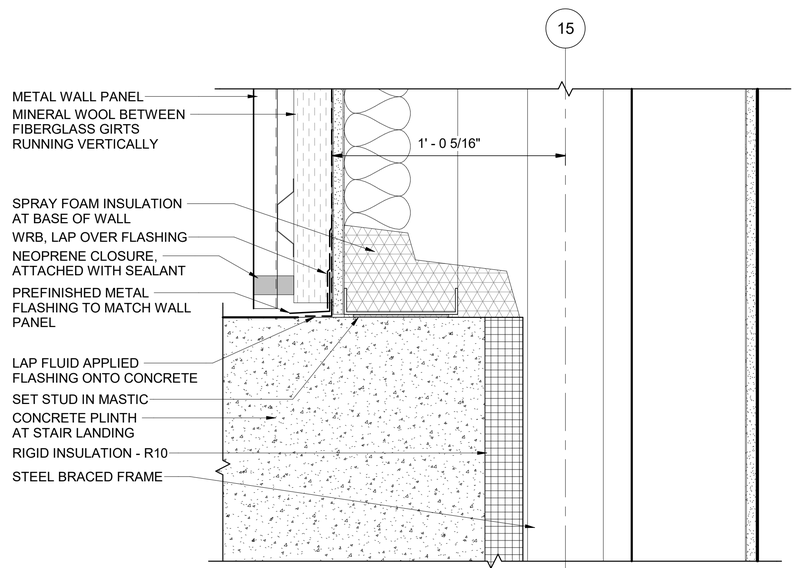
SCALE: 3" = 1'-0"



BASE DETAIL AT EXTERIOR INSULATION

5 F1592-AEX404

SCALE: 3" = 1'-0"



METAL PANEL BASE AT EAST ABUTMENT STAIRS

6 F1592-ATX607

SCALE: 3" = 1'-0"

6" 3" 0 1'

SCALE IN FEET

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	CD	PC	BC	FINAL AS-BUILT

DESIGNED BY: C. DOMINGUEZ
DRAWN BY: M. BRYANT/ N. SMITH
CHECKED BY: P. CHUBB
APPROVED BY: B. CONNOLLY

MITHŪN
SUBMITTED BY: SARA ROBERTS

HENSEL PHELPS Plan. Build. Manage.
kpff
DATE: 10/26/2022
REVIEWED BY: GREG SHIMIZU

LINE IS 1" AT FULL SCALE

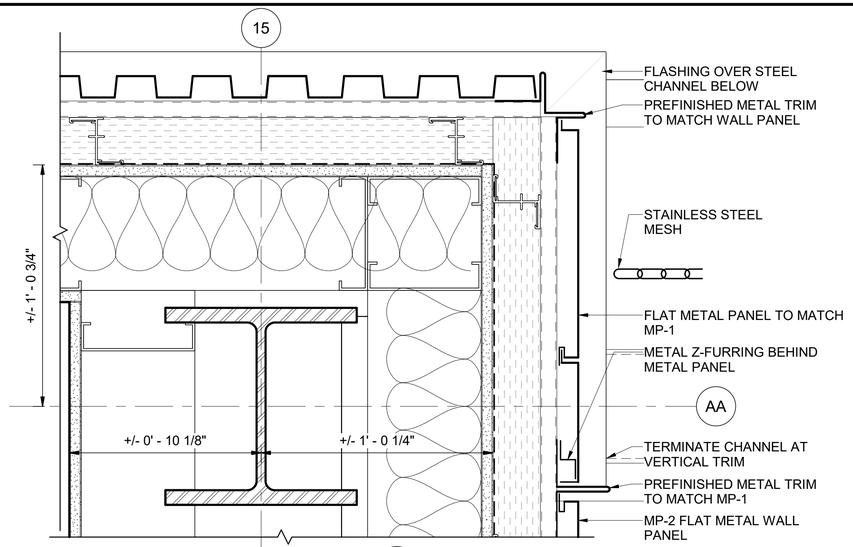
SOUNDTRANSIT
DATE: 10/26/2022

SCALE: 3" = 1'-0"
FILENAME: S317-F1592-A_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
ARCHITECTURAL
WALL DETAILS - METAL PANEL

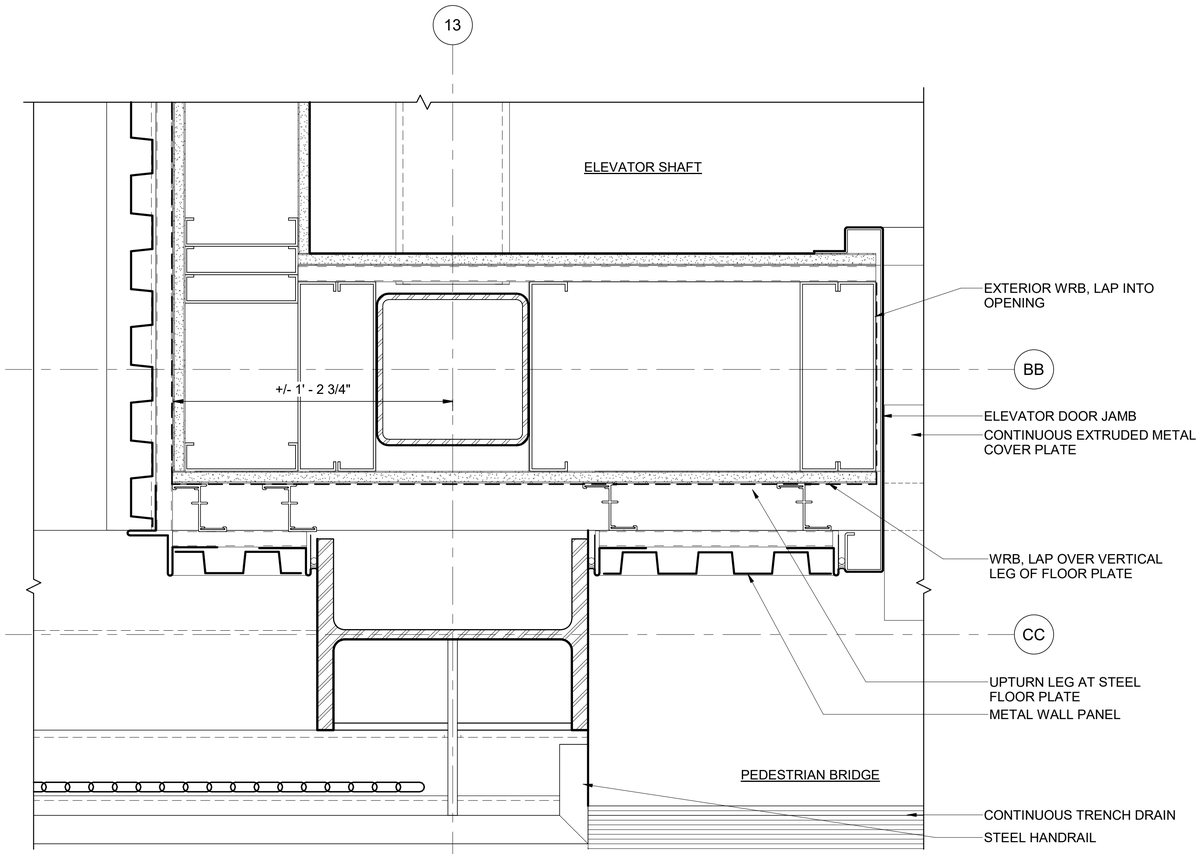
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FACILITY ID: F1592
SHEET No: 333
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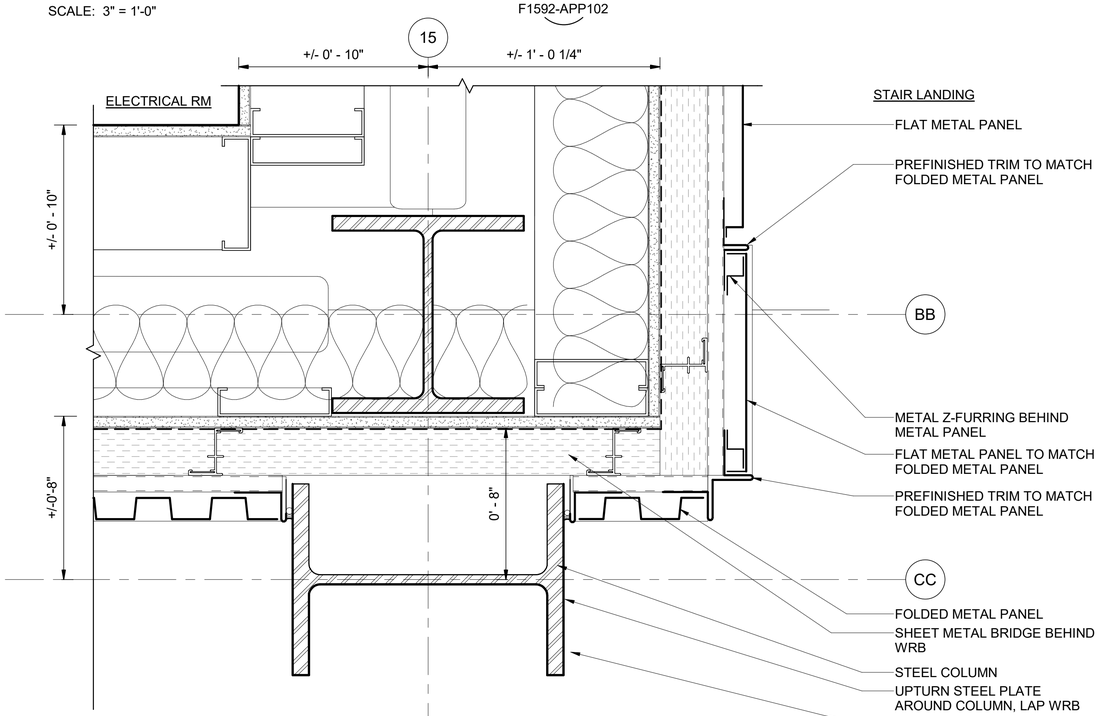
METAL PANEL CORNER AT EGRESS STAIR 1 F1592-APP102

SCALE: 3" = 1'-0"



METAL PANEL CORNER AT PED BRIDGE 2 F1592-AIE801

SCALE: 3" = 1'-0"



METAL PANEL CORNER AT PED BRIDGE 4 F1592-APP302

SCALE: 3" = 1'-0"

6" 3" 0 1'

SCALE IN FEET

6/21/2022 4:21:07 PM
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FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	CD	PC	BC	FINAL AS-BUILT

DESIGNED BY: C. DOMINGUEZ
DRAWN BY: M. BRYANT/ N. SMITH
CHECKED BY: P. CHUBB
APPROVED BY: B. CONNOLLY

MITHŪN
SUBMITTED BY: SARA ROBERTS

HENSEL PHELPS Plan. Build. Manage.
kpff
DATE: 10/26/2022

LINE IS 1" AT FULL SCALE

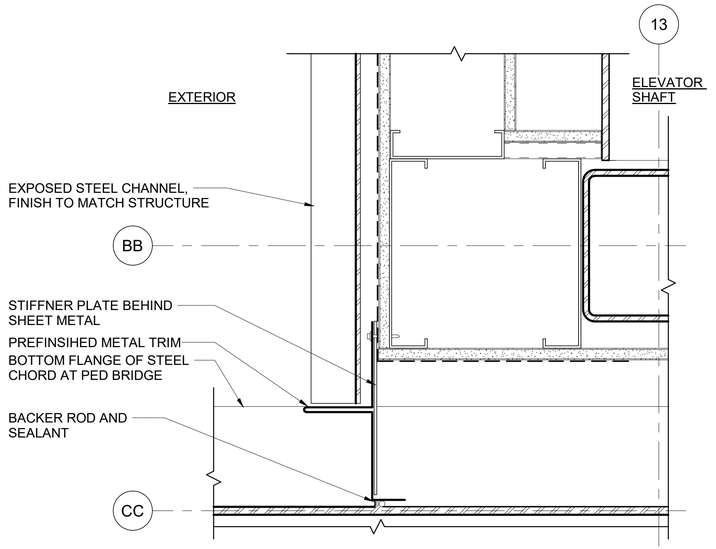
REVIEWED BY: GREG SHIMIZU
DATE: 10/26/2022

SOUNDTRANSIT

SCALE: 3" = 1'-0"
FILENAME: S317-F1592-A_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

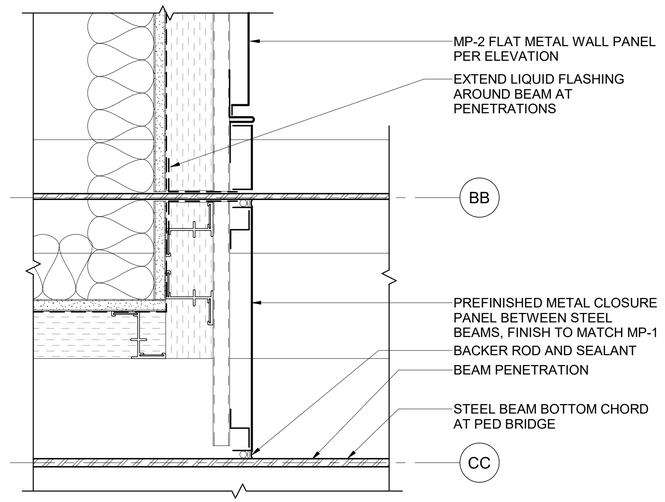
PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
ARCHITECTURAL
WALL DETAILS - METAL PANEL

DRAWING No.: F1592-AED506
FACILITY ID: F1592
SHEET No.: 334
REV.: 0



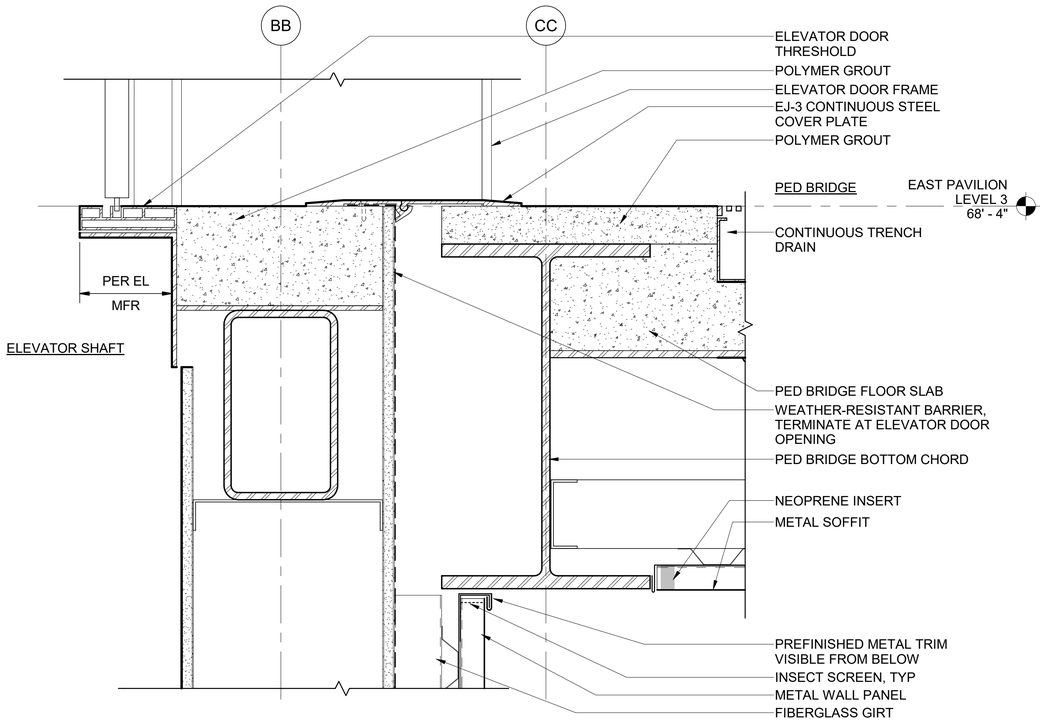
PLAN DETAIL CUT THROUGH BRIDGE CHORD — 1 / F1592-AEE409

SCALE: 3" = 1'-0"



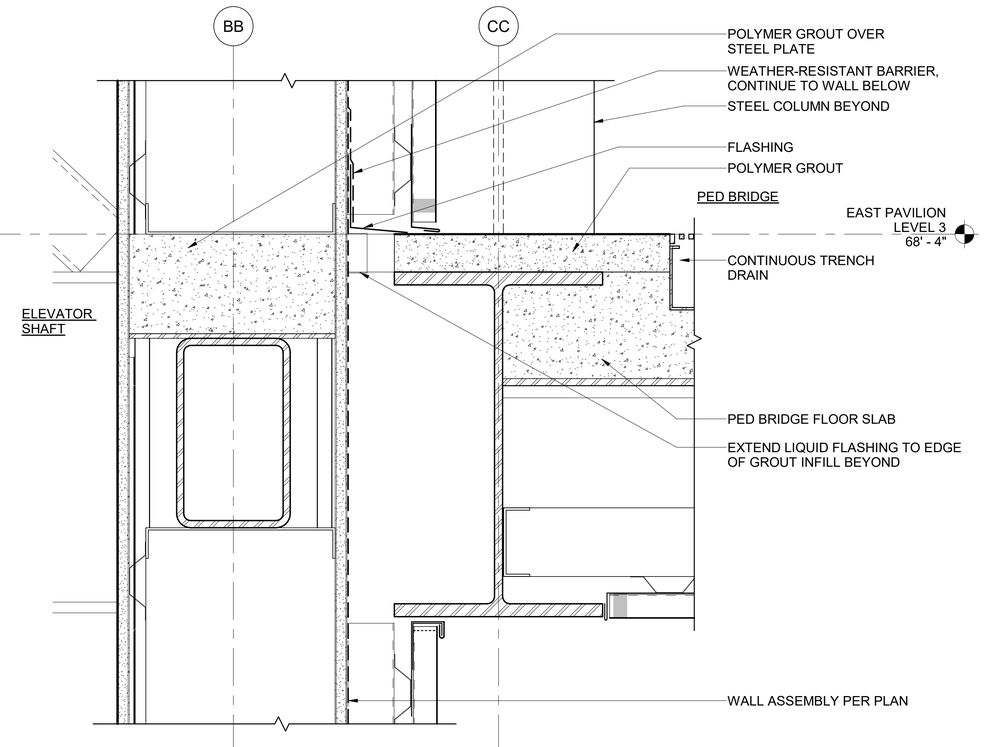
PLAN DETAIL NEAR GL-15 — 2 / F1592-AEX404

SCALE: 3" = 1'-0"



BRIDGE WALKWAY TRANSITION AT ELEVATOR — 4 / F1592-AEX404

SCALE: 3" = 1'-0"



BRIDGE WALKWAY TRANSITION AT WALL — 5 / F1592-AEE410

SCALE: 3" = 1'-0"

6" 3" 0 1'

SCALE IN FEET

6/21/2022 4:21:10 PM
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FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	CD	PC	BC	FINAL AS-BUILT

DESIGNED BY: C. DOMINGUEZ
DRAWN BY: M. BRYANT/ N. SMITH
CHECKED BY: P. CHUBB
APPROVED BY: B. CONNOLLY

MITHŪN
SUBMITTED BY: SARA ROBERTS

HENSEL PHELPS Plan. Build. Manage.
kpff
DATE: 10/26/2022

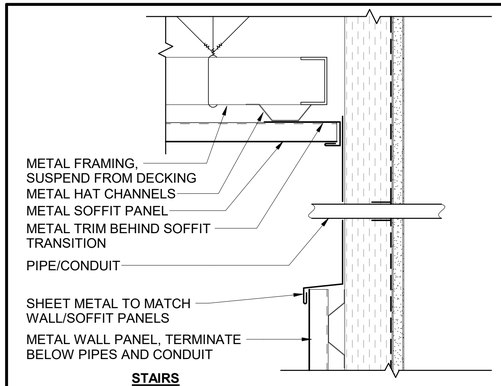
REVIEWED BY: GREG SHIMIZU
DATE: 10/26/2022

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT
SCALE: 3" = 1'-0"
FILENAME: S317-F1592-A_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
ARCHITECTURAL
WALL DETAILS - METAL PANEL

DRAWING No.: F1592-AED507
FACILITY ID: F1592
SHEET No.: 335
REV.: 0

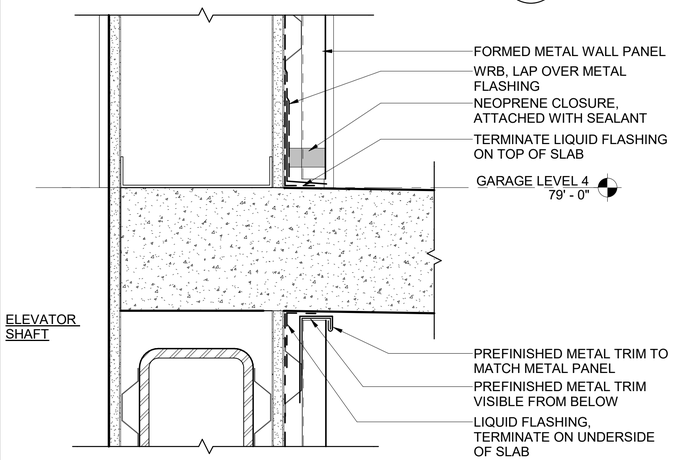


MTL PANEL WALL TO SOFFIT AT EAST ABUTMENT

1

F1592-ATX607

SCALE: 3" = 1'-0"

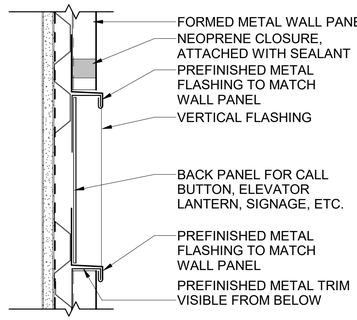


METAL PANEL BASE AT GARAGE

2

F1592-AEX403

SCALE: 3" = 1'-0"

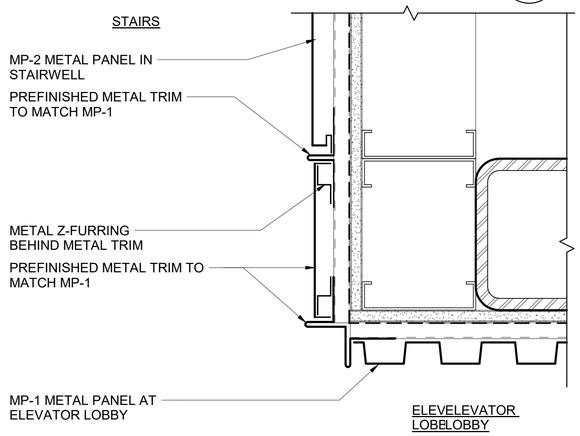


EL. LANTERN/CALL BUTTONS AT METAL PANEL

4

F1592-AIE801

SCALE: 3" = 1'-0"

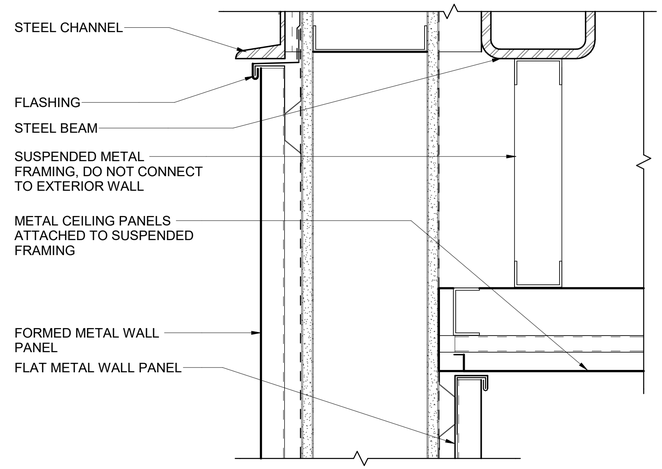


METAL PANEL CORNER AT NORTH STAIRS

3

F1592-APP103

SCALE: 3" = 1'-0"

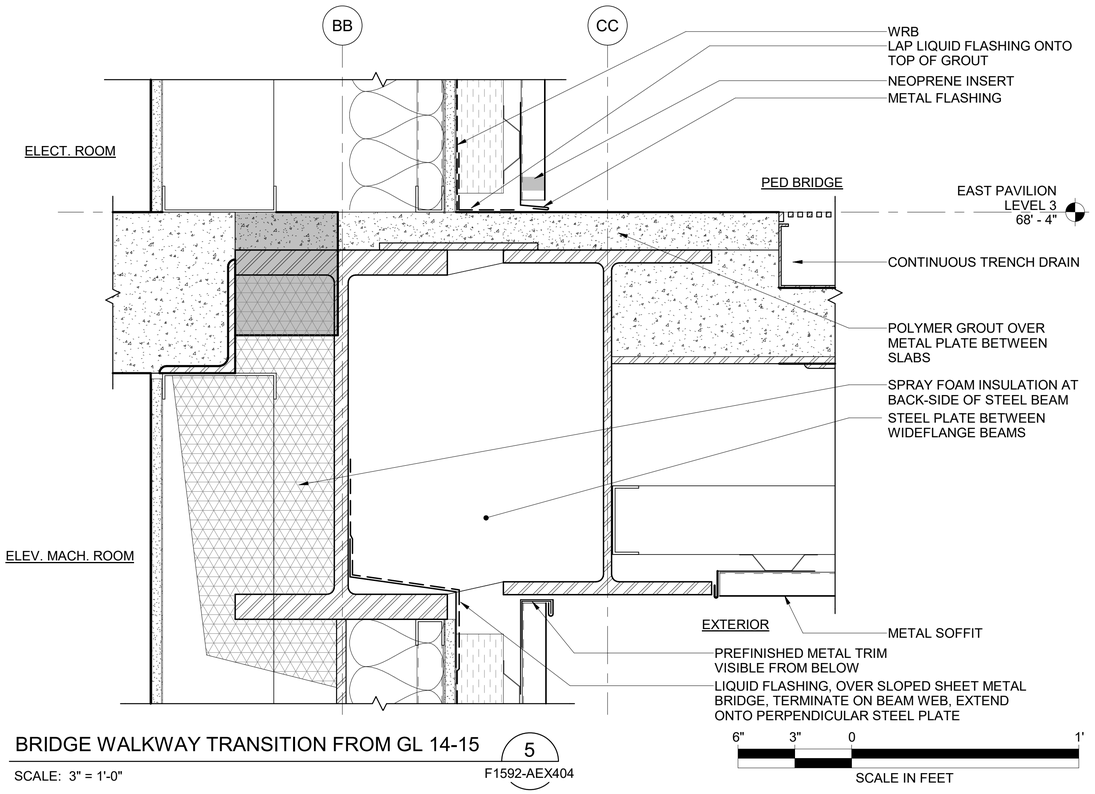


SOFFIT DETAIL AT STAIRS

6

F1592-AEX403

SCALE: 3" = 1'-0"



BRIDGE WALKWAY TRANSITION FROM GL 14-15

5

F1592-AEX404

SCALE: 3" = 1'-0"

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FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	CD	PC	BC	FINAL AS-BUILT

DESIGNED BY: C. DOMINGUEZ
DRAWN BY: M. BRYANT/ N. SMITH
CHECKED BY: P. CHUBB
APPROVED BY: B. CONNOLLY

MITHŪN
SUBMITTED BY: SARA ROBERTS

HENSEL PHELPS Plan. Build. Manage.
kpff
DATE: 10/26/2022

LINE IS 1" AT FULL SCALE

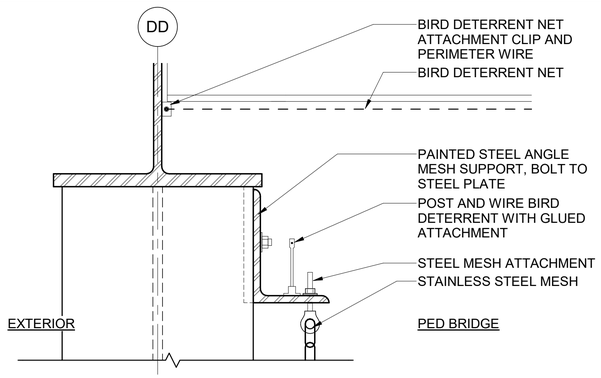
REVIEWED BY: GREG SHIMIZU

SOUNDTRANSIT
DATE: 10/26/2022

SCALE: 3" = 1'-0"
FILENAME: S317-F1592-A_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
ARCHITECTURAL
WALL DETAILS - METAL PANEL

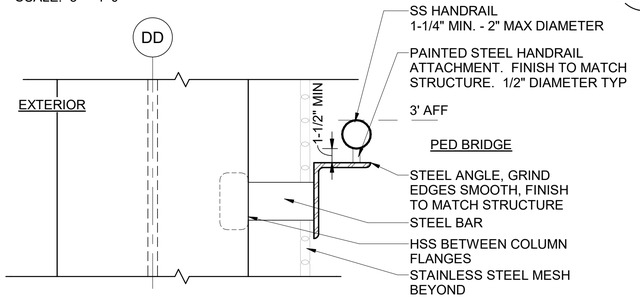
DRAWING No.: F1592-AED508
FACILITY ID: F1592
SHEET No.: 336
REV.: 0



SS MESH HEAD AT PED BRIDGE

1
F1592-AEX405

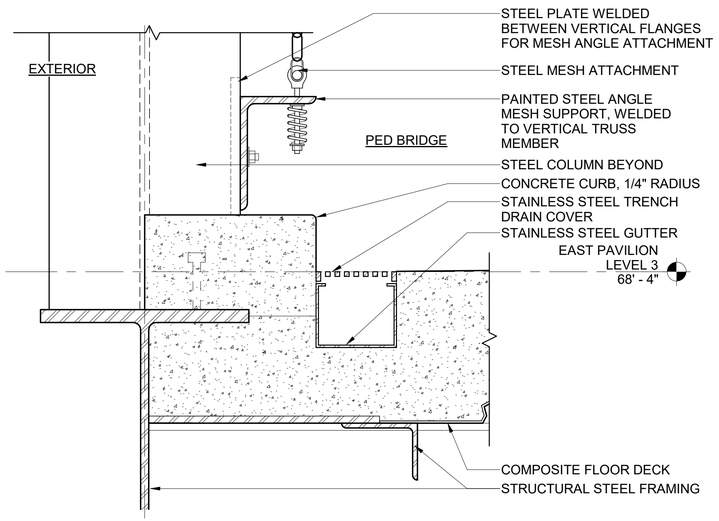
SCALE: 3" = 1'-0"



PEDESTRIAN BRIDGE HANDRAIL

4
F1592-AEX405

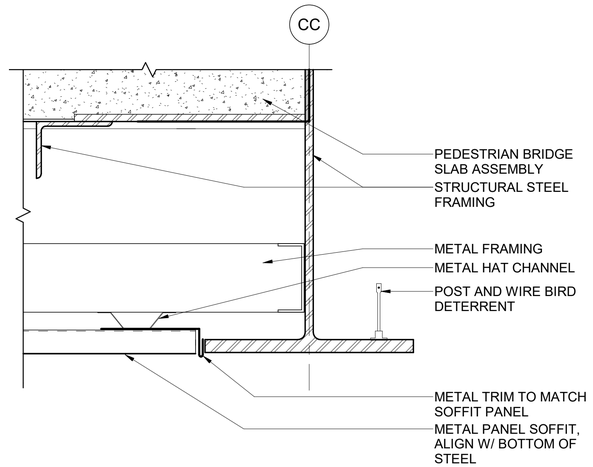
SCALE: 3" = 1'-0"



PEDESTRIAN BRIDGE CURB

5
F1592-AEX405

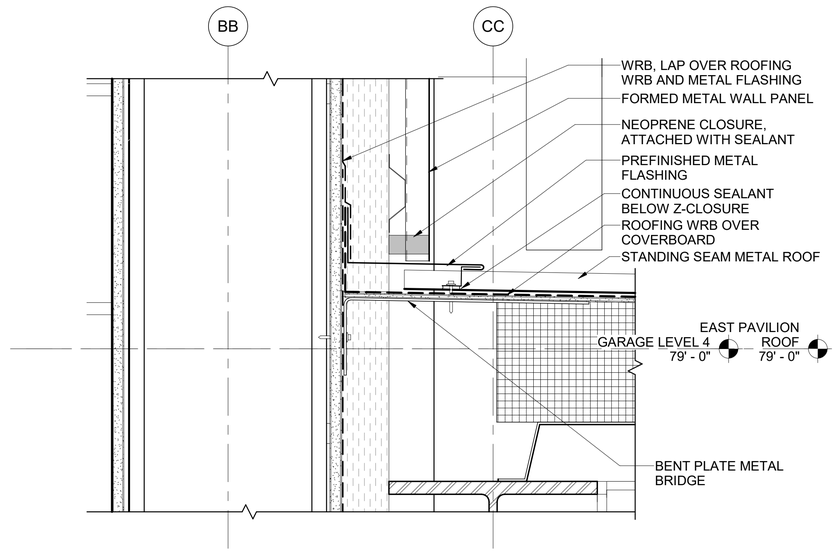
SCALE: 3" = 1'-0"



PEDESTRIAN BRIDGE SOFFIT

6
F1592-ACP705

SCALE: 3" = 1'-0"



BRIDGE ROOF AT EAST ABUTMENT

3
F1592-AEX404

SCALE: 3" = 1'-0"

6" 3" 0 1'

SCALE IN FEET

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FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	CD	PC	BC	FINAL AS-BUILT

DESIGNED BY: C. DOMINGUEZ
DRAWN BY: M. BRYANT/ N. SMITH
CHECKED BY: P. CHUBB
APPROVED BY: B. CONNOLLY

MITHŪN
SUBMITTED BY: SARA ROBERTS

HENSEL PHELPS Plan. Build. Manage.
kpff
DATE: 10/26/2022
REVIEWED BY: GREG SHIMIZU

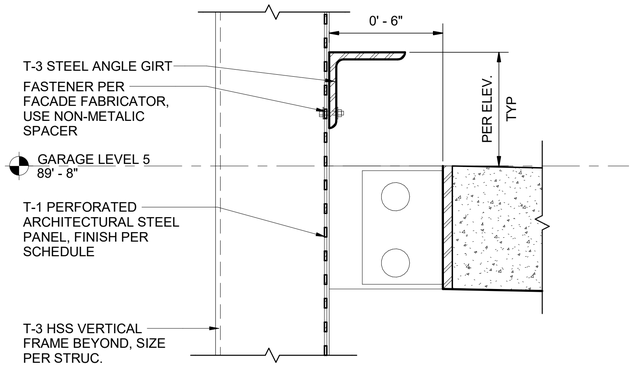
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SOUNDTRANSIT
DATE: 10/26/2022

SCALE: 3" = 1'-0"
FILENAME: S317-F1592-A_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

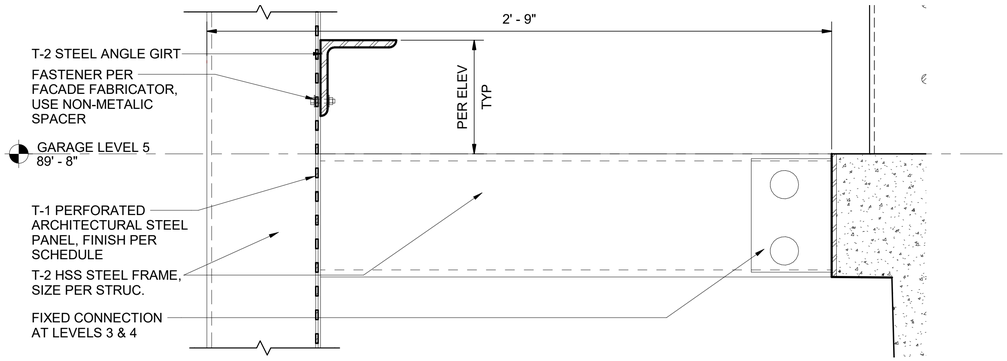
PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
ARCHITECTURAL
EXTERIOR DETAILS - PED BRIDGE

DRAWING No.: F1592-AED509
FACILITY ID: F1592
SHEET No.: 337
REV.: 0



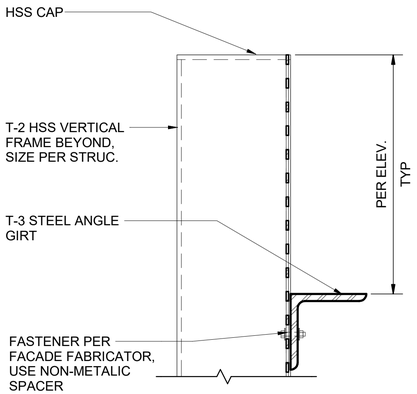
SOUTH PERFORATED PANEL MID — 2 — F1592-AEX402

SCALE: 3" = 1'-0"



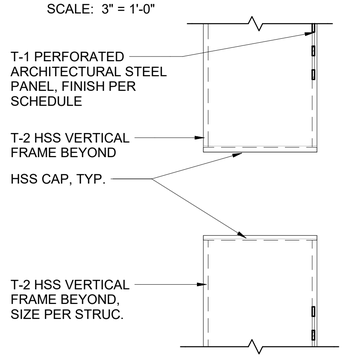
EAST PERFORATED PANEL MID — 3 — F1592-AEX402

SCALE: 3" = 1'-0"



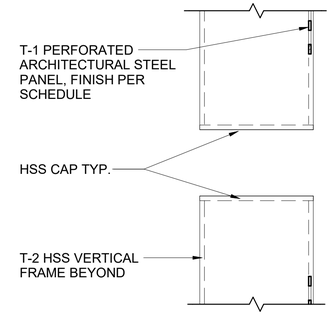
EAST PERFORATED PANEL HEAD — 4 — F1592-AEX402

SCALE: 3" = 1'-0"



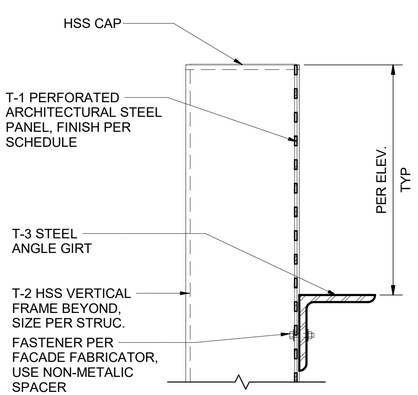
SOUTH PERFORATED PANEL HSS BREAK — 5 — F1592-AEX402

SCALE: 3" = 1'-0"



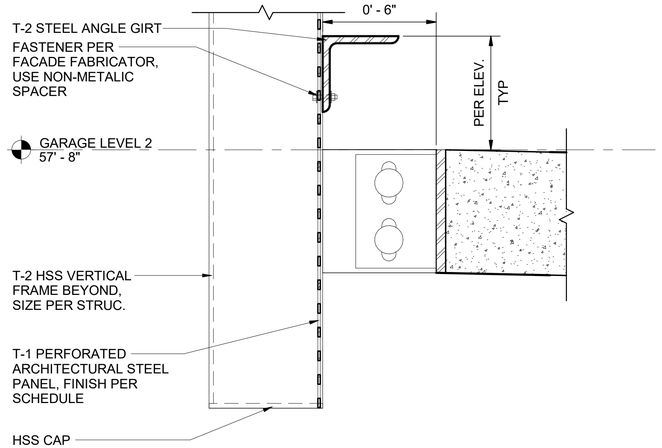
EAST PERFORATED PANEL HSS BREAK — 6 — F1592-AEX402

SCALE: 3" = 1'-0"



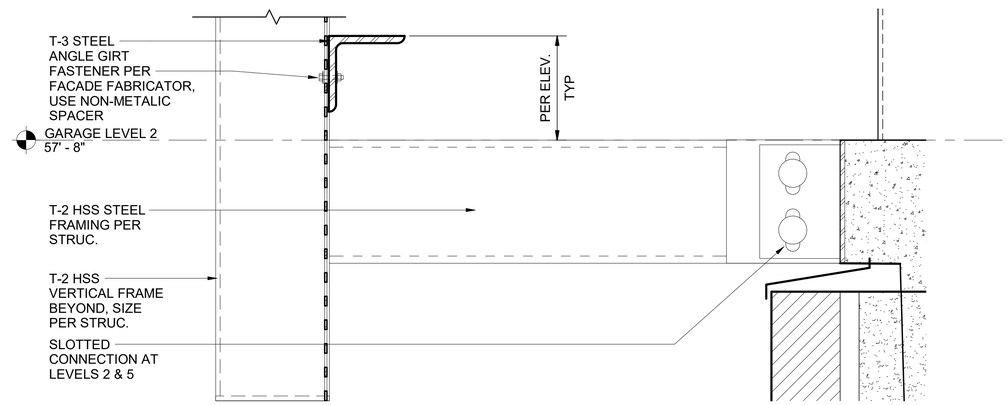
SOUTH PERFORATED PANEL HEAD — 7 — F1592-AEX402

SCALE: 3" = 1'-0"



SOUTH PERFORATED PANEL BASE — 8 — F1592-AEX402

SCALE: 3" = 1'-0"



EAST PERFORATED PANEL BASE — 9 — F1592-AEX402

SCALE: 3" = 1'-0"

6" 3" 0 1'

SCALE IN FEET

6/21/2022 4:21:18 PM
C:\Users\nathaniels\Documents\S317-F1592-A-v2020_nathanielsPP4BW.RVT

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	CD	PC	BC	FINAL AS-BUILT

DESIGNED BY: C. DOMINGUEZ
DRAWN BY: M. BRYANT/ N. SMITH
CHECKED BY: P. CHUBB
APPROVED BY: B. CONNOLLY

MITHŪN — SUBMITTED BY: SARA ROBERTS — DATE: 10/26/2022

HENSEL PHELPS Plan. Build. Manage. kpff — REVIEWED BY: GREG SHIMIZU — DATE: 10/26/2022

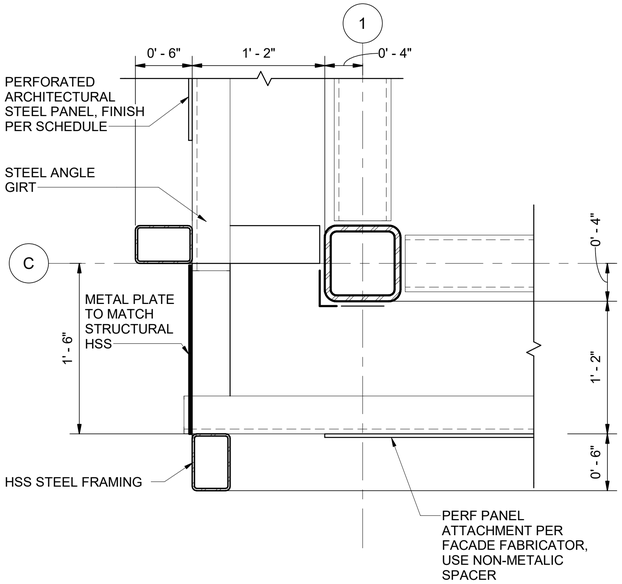
LINE IS 1" AT FULL SCALE

SOUNDTRANSIT — SUBMITTAL DATE: 10/26/2022

SCALE: 3" = 1'-0"
FILENAME: S317-F1592-A_v2020
CONTRACT No.: RTA/CN 0612-18

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
ARCHITECTURAL
EXTERIOR DETAILS - PERF

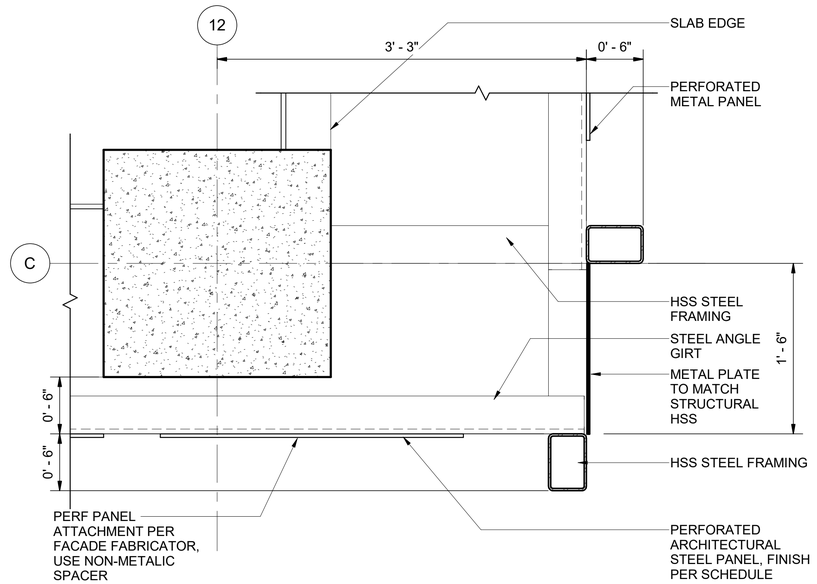
DRAWING No.: F1592-AED601
FACILITY ID: F1592
SHEET No.: 338
REV.: 0



SOUTH PERFORATED PANEL SW CORNER

SCALE: 1 1/2" = 1'-0"

1 F1592-APP501



SOUTH PERFORATED PANEL SE CORNER

SCALE: 1 1/2" = 1'-0"

2 F1592-APP501

N

6" 3" 0 6" 1' 1 1/2'

SCALE IN FEET

6/21/2022 4:21:24 PM
C:\Users\nathaniels\Documents\S317-F1592-A-v2020_nathanielsPP4BW.RVT

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	CD	PC	BC	FINAL AS-BUILT

DESIGNED BY: C. DOMINGUEZ
DRAWN BY: M. BRYANT/ N. SMITH
CHECKED BY: P. CHUBB
APPROVED BY: B. CONNOLLY

MITHŪN
SUBMITTED BY: SARA ROBERTS

HENSEL PHELPS Plan. Build. Manage.
kpff
DATE: 10/26/2022
REVIEWED BY: GREG SHIMIZU

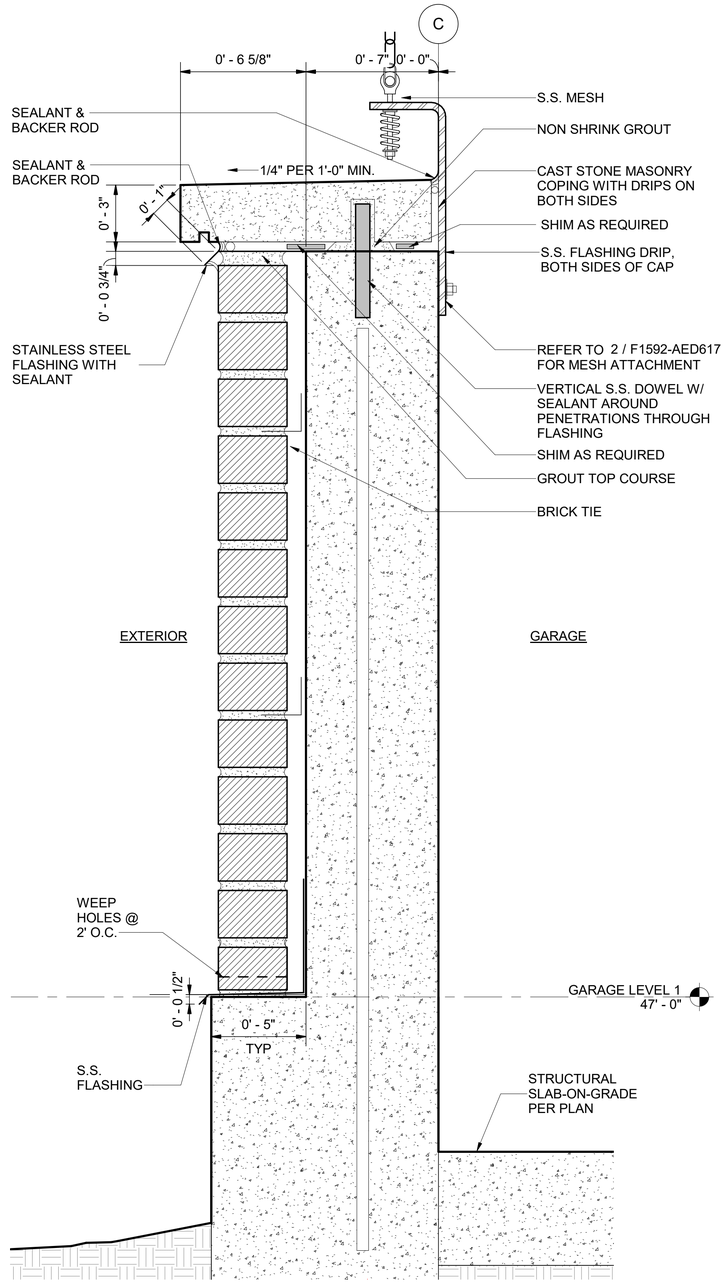
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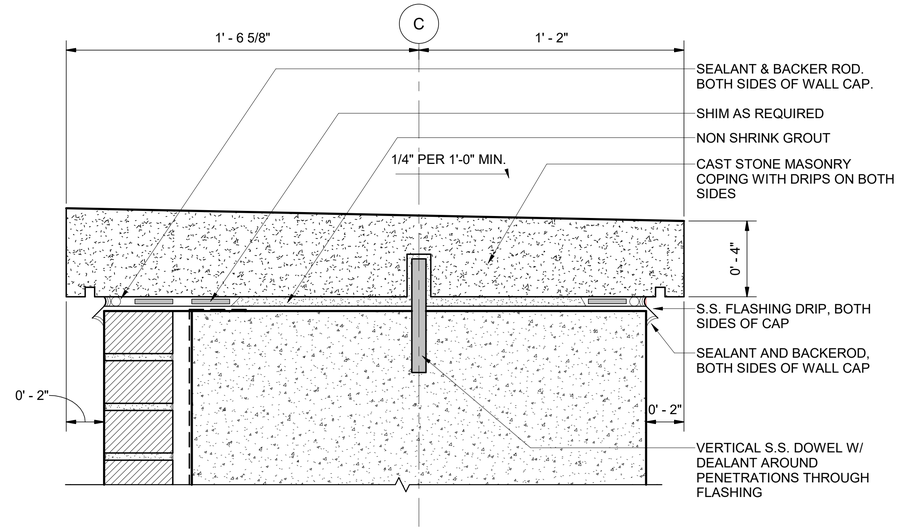
SOUNDTRANSIT
DATE: 10/26/2022

SCALE: 1 1/2" = 1'-0"
FILENAME: S317-F1592-A_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
ARCHITECTURAL
EXTERIOR DETAILS - PERF

DRAWING No.: **F1592-AED602**
FACILITY ID: F1592
SHEET No.: 339
REV.: 0

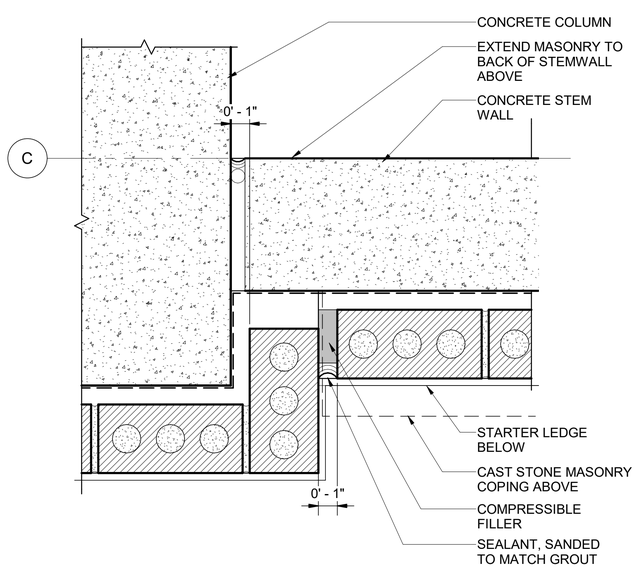




BRICK VENEER COLUMN COPING DETAIL

3
F1592-AEE301

SCALE: 3" = 1'-0"



STEM WALL PLAN DETAIL

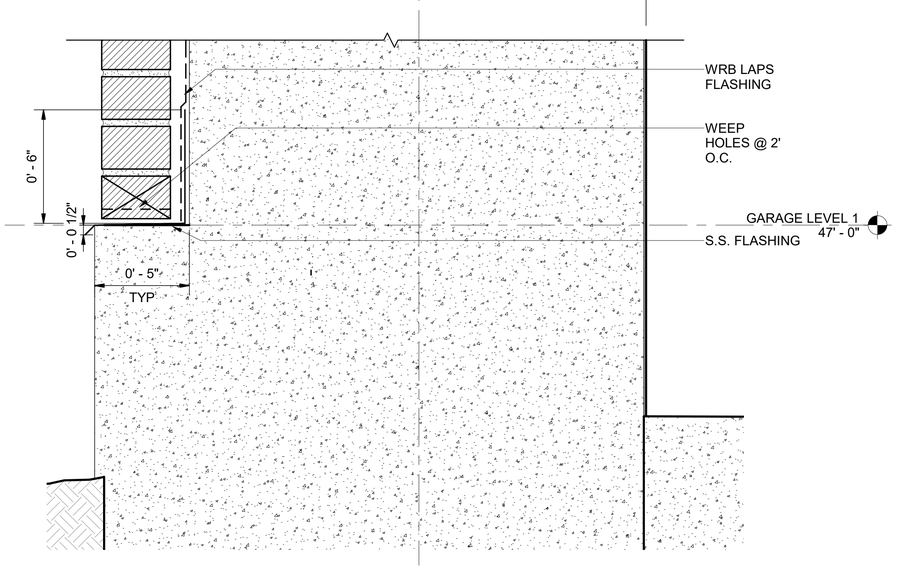
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F1592-APP101

SCALE: 3" = 1'-0"

BRICK VENEER STEM WALL DETAIL

5
F1592-AEE301

SCALE: 3" = 1'-0"



BRICK VENEER COLUMN BASE DETAIL

6
F1592-AEE301

SCALE: 3" = 1'-0"

6" 3" 0 1'

SCALE IN FEET

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	CD	PC	BC	FINAL AS-BUILT

DESIGNED BY: C. DOMINGUEZ
DRAWN BY: M. BRYANT/ N. SMITH
CHECKED BY: P. CHUBB
APPROVED BY: B. CONNOLLY

MITHŪN — SUBMITTED BY: SARA ROBERTS

HENSEL PHELPS Plan. Build. Manage. / kpff — DATE: 10/26/2022 — REVIEWED BY: GREG SHIMIZU

LINE IS 1" AT FULL SCALE

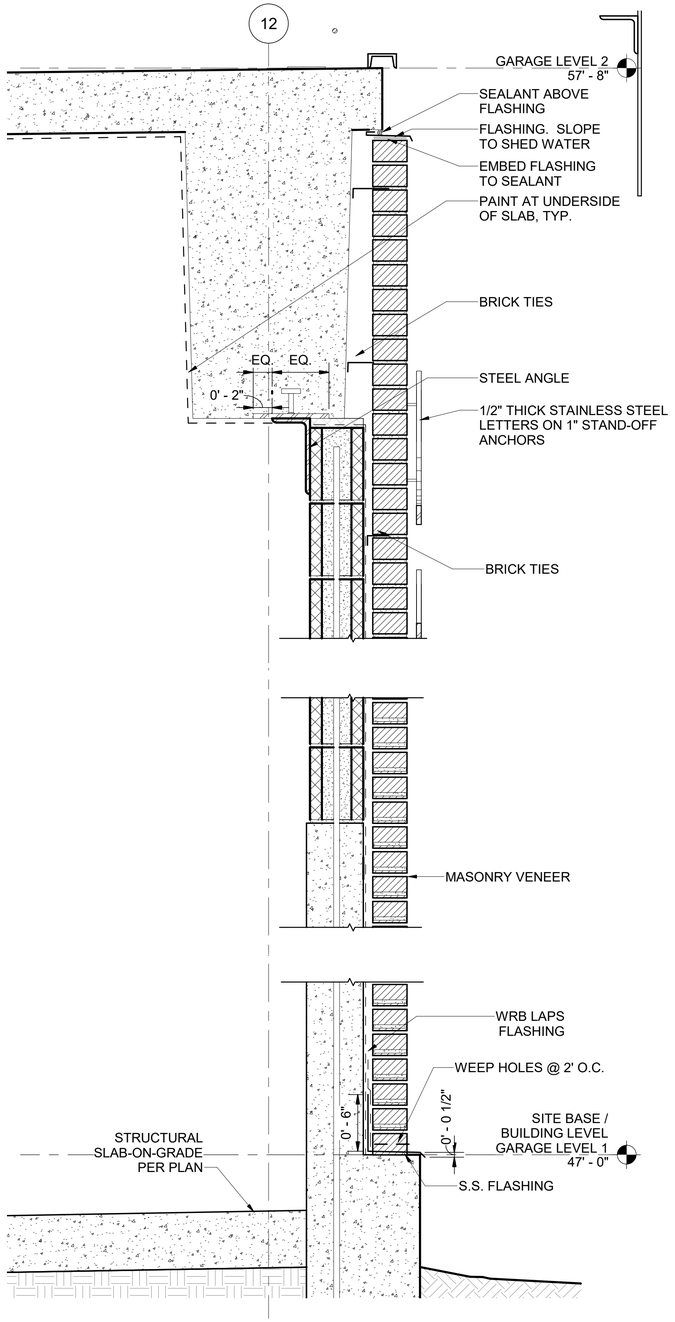
SOUNDTRANSIT — DATE: 10/26/2022

SCALE: 3" = 1'-0"
FILENAME: S317-F1592-A_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
ARCHITECTURAL
EXTERIOR DETAILS - BRICK

DRAWING No.: F1592-AED603
FACILITY ID: F1592
SHEET No.: 340
REV.: 0

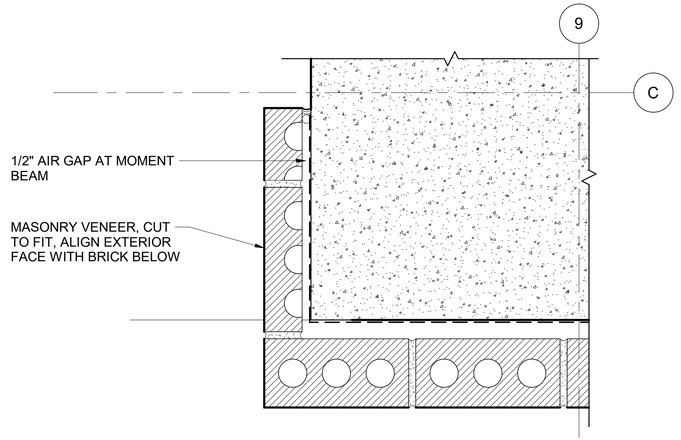
6/21/2022 4:21:26 PM
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BRICK VENEER WALL AT STEM WALL

SCALE: 1 1/2" = 1'-0"

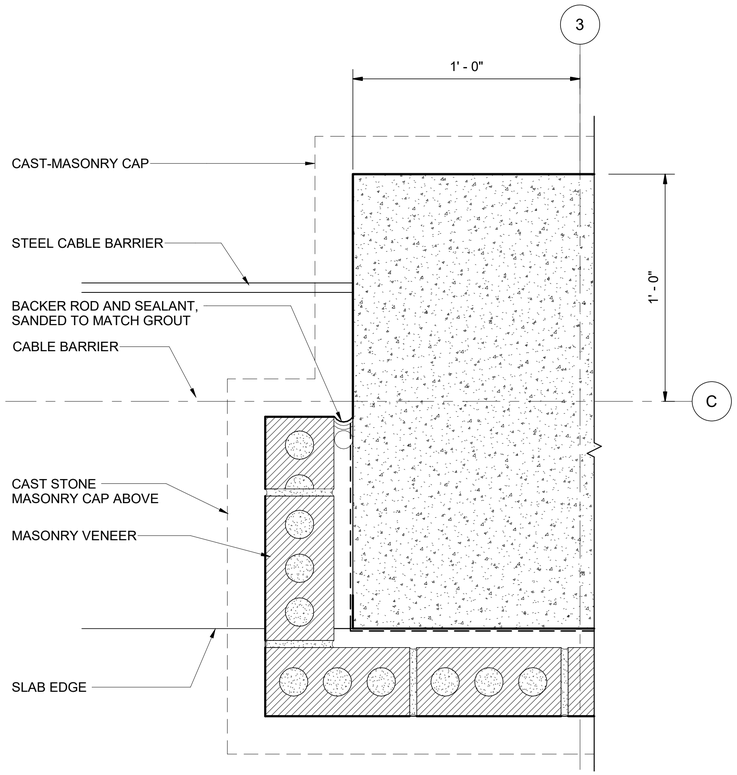
1 F1592-AEE302



BRICK VENEER AT MOMENT BEAM

SCALE: 3" = 1'-0"

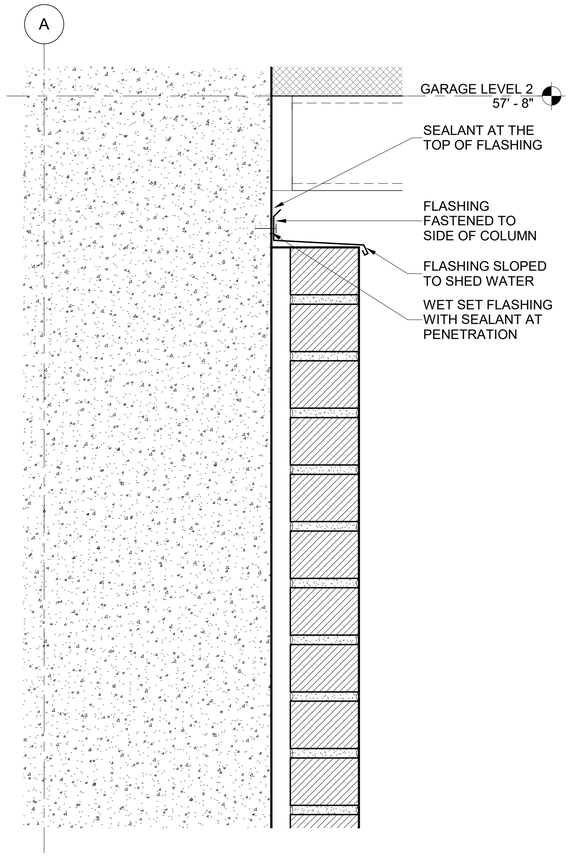
4 F1592-AEE403



BRICK VENEER AT CONCRETE COLUMN

SCALE: 3" = 1'-0"

2 F1592-AIE803



BRICK VENEER TERMINATION AT CONCRETE COLUMN

SCALE: 3" = 1'-0"

3 F1592-AED504

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FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	CD	PC	BC	FINAL AS-BUILT

DESIGNED BY: C. DOMINGUEZ
DRAWN BY: M. BRYANT/ N. SMITH
CHECKED BY: P. CHUBB
APPROVED BY: B. CONNOLLY

MITHŪN
SUBMITTED BY: SARA ROBERTS

HENSEL PHELPS Plan. Build. Manage.
kpff
DATE: 10/26/2022
REVIEWED BY: GREG SHIMIZU

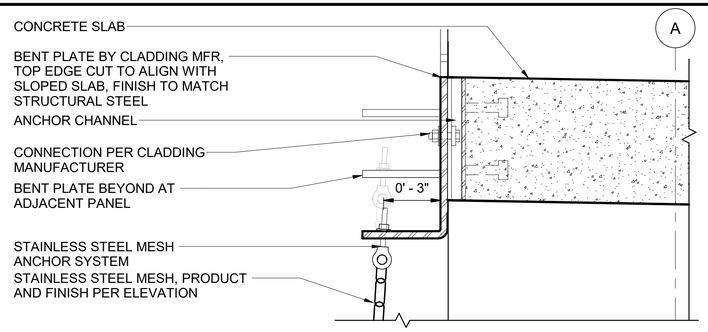
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SOUNDTRANSIT
DATE: 10/26/2022

SCALE: AS NOTED
FILENAME: S317-F1592-A_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
ARCHITECTURAL
EXTERIOR DETAILS - BRICK

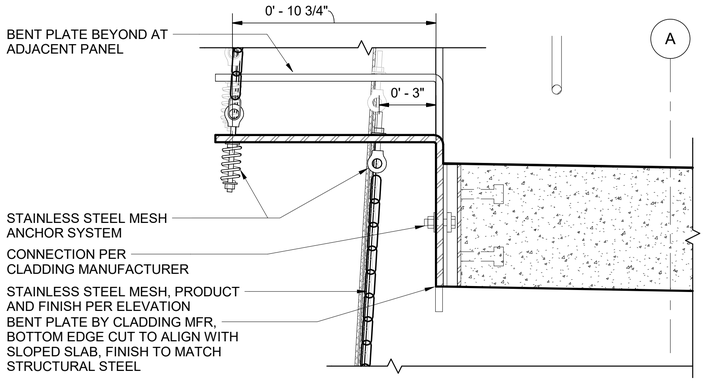
DRAWING No.: F1592-AED604
FACILITY ID: F1592
SHEET No.: 341
REV.: 0



ANGLED STAINLESS STEEL MESH HEAD

1 F1592-AEX401

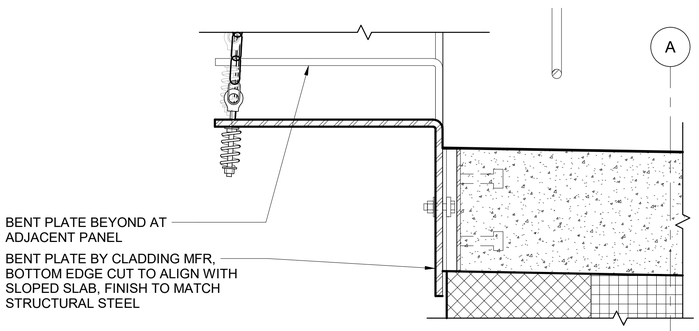
SCALE: 3" = 1'-0"



ANGLED STAINLESS STEEL MESH MID SUPPORT

4 F1592-AEX401

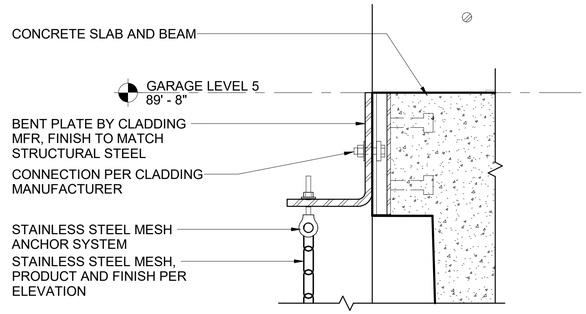
SCALE: 3" = 1'-0"



ANGLED STAINLESS STEEL MESH BASE

7 F1592-AEX401

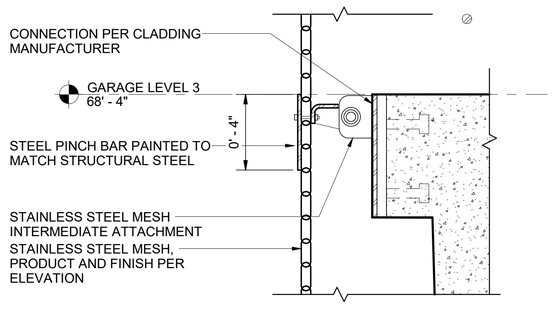
SCALE: 3" = 1'-0"



SS MESH HEAD SUPPORT

2 F1592-AEX401

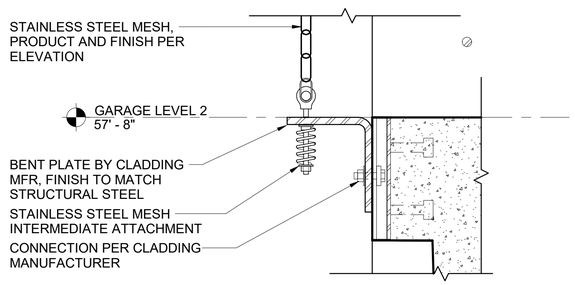
SCALE: 3" = 1'-0"



SS MESH MID SUPPORT

5 F1592-AEX401

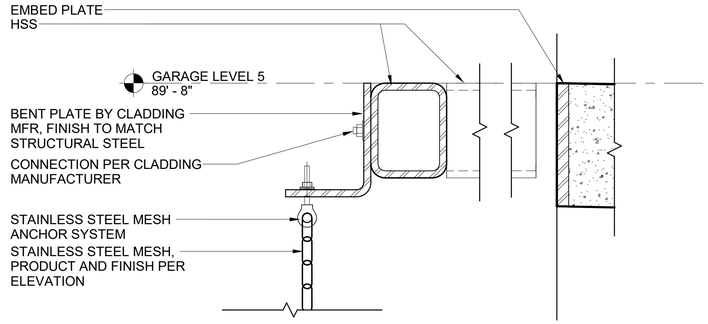
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SS MESH BASE SUPPORT

8 F1592-AEX401

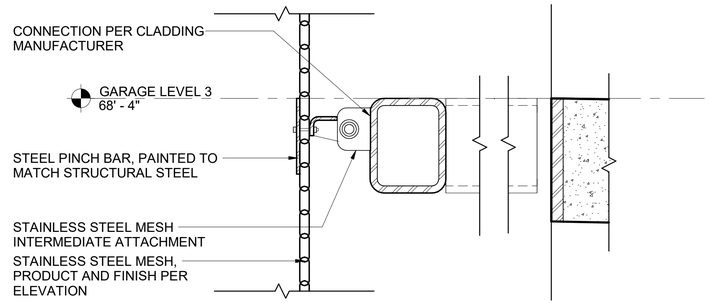
SCALE: 3" = 1'-0"



SSL MESH HEAD SUPPORT AT BUMP-OUT

3 F1592-AEX401

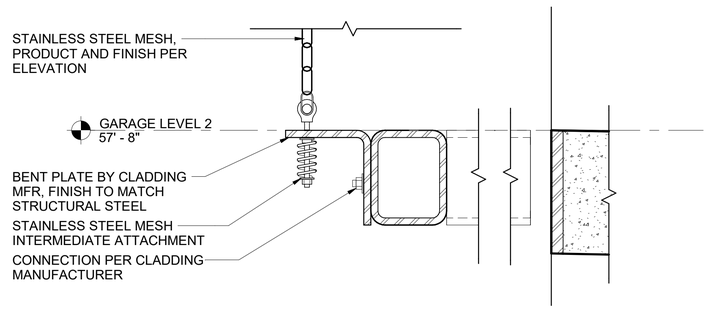
SCALE: 3" = 1'-0"



SS MESH MID SUPPORT AT BUMP-OUT

6 F1592-AEX401

SCALE: 3" = 1'-0"



SS MESH BASE SUPPORT AT BUMP-OUT

9 F1592-AEX401

SCALE: 3" = 1'-0"

6" 3" 0 1'

SCALE IN FEET

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	CD	PC	BC	FINAL AS-BUILT

DESIGNED BY: C. DOMINGUEZ
DRAWN BY: M. BRYANT/ N. SMITH
CHECKED BY: P. CHUBB
APPROVED BY: B. CONNOLLY

MITHŪN
SUBMITTED BY: SARA ROBERTS

HENSEL PHELPS Plan. Build. Manage.
kpff
DATE: 10/26/2022
REVIEWED BY: GREG SHIMIZU

LINE IS 1" AT FULL SCALE

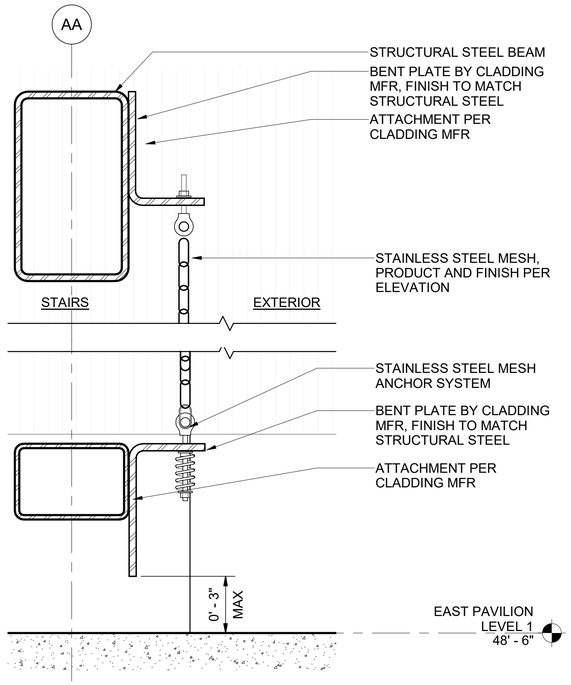
SOUNDTRANSIT
DATE: 10/26/2022

SCALE: 3" = 1'-0"
FILENAME: S317-F1592-A_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
ARCHITECTURAL
EXTERIOR DETAILS - SS MESH

DRAWING No.: F1592-AED615
FACILITY ID: F1592
SHEET No.: 342
REV.: 0

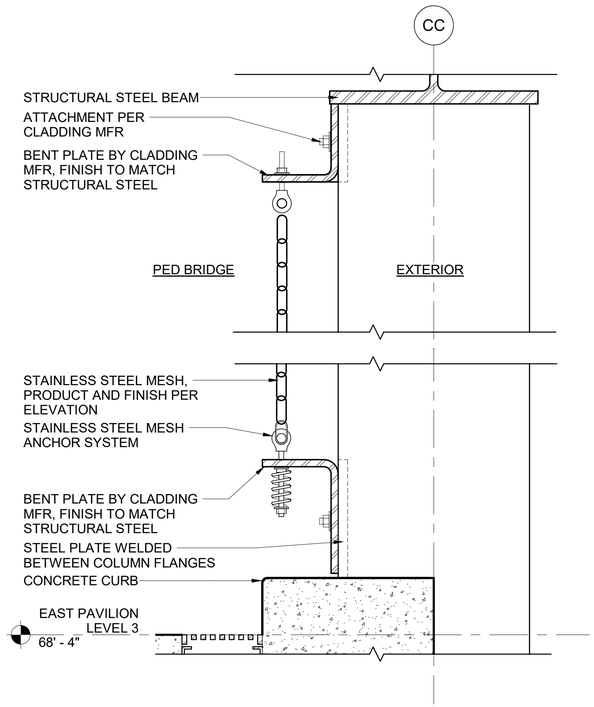
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SS MESH AT STAIR ENCLOSURE

1
F1592-AEX404

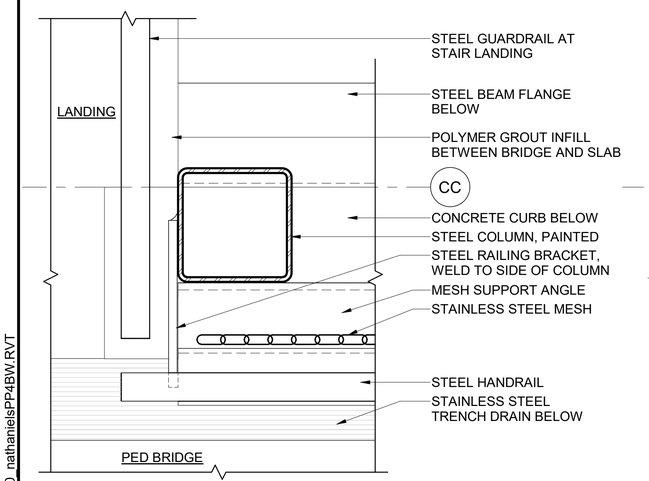
SCALE: 3" = 1'-0"



SS MESH - PEDESTRIAN BRIDGE

2
F1592-AEX405

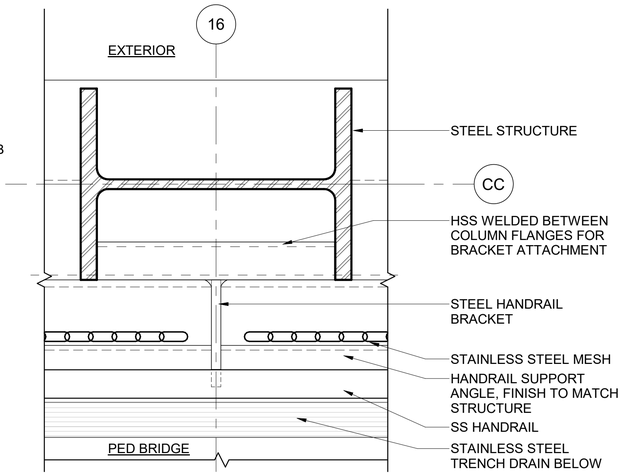
SCALE: 3" = 1'-0"



SS MESH PLAN DETAIL AT STAIRS

5
F1592-APP302

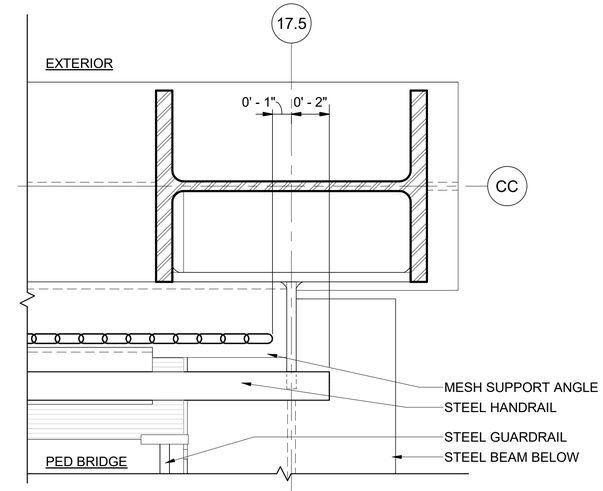
SCALE: 3" = 1'-0"



SS MESH PLAN DETAIL AT STAIRS

6
F1592-AEX405

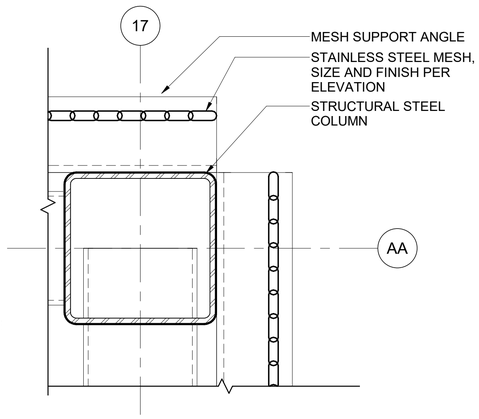
SCALE: 3" = 1'-0"



SS MESH PLAN DETAIL AT STAIRS

7
F1592-AEX405

SCALE: 3" = 1'-0"



SS MESH PLAN DETAIL AT STAIR CORNER

8
F1592-APP102

SCALE: 3" = 1'-0"

6" 3" 0 1'

SCALE IN FEET

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	CD	PC	BC	FINAL AS-BUILT

DESIGNED BY: C. DOMINGUEZ
DRAWN BY: M. BRYANT/ N. SMITH
CHECKED BY: P. CHUBB
APPROVED BY: B. CONNOLLY

MITHŪN
HENSEL PHELPS Plan. Build. Manage.
kpff
SOUNDTRANSIT

LINE IS 1" AT FULL SCALE

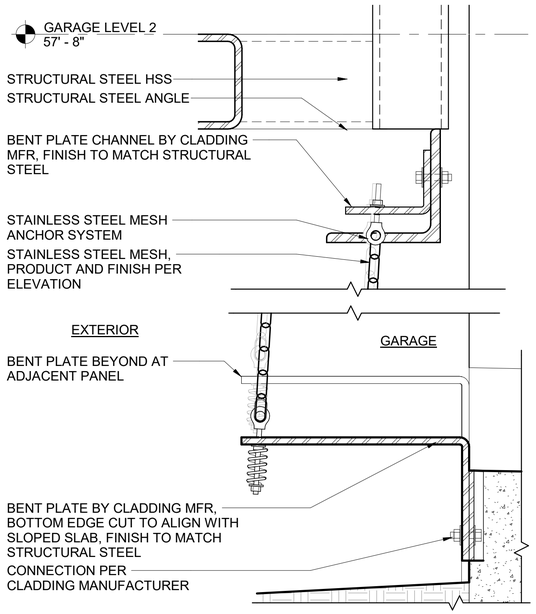
SUBMITTED BY: SARA ROBERTS
DATE: 10/26/2022
REVIEWED BY: GREG SHIMIZU
DATE: 10/26/2022

SCALE: 3" = 1'-0"
FILENAME: S317-F1592-A_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
ARCHITECTURAL
EXTERIOR DETAILS - SS MESH

DRAWING No.: F1592-AED616
FACILITY ID: F1592
SHEET No.: 343
REV.: 0

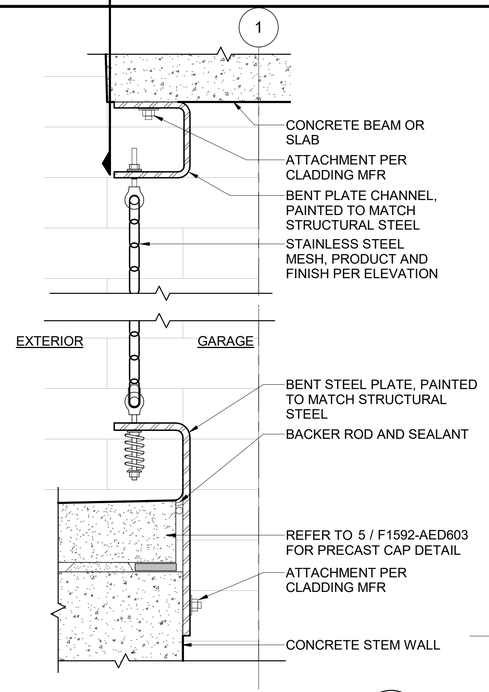
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SS MESH AT LEVEL 1 GL 3-4

SCALE: 3" = 1'-0"

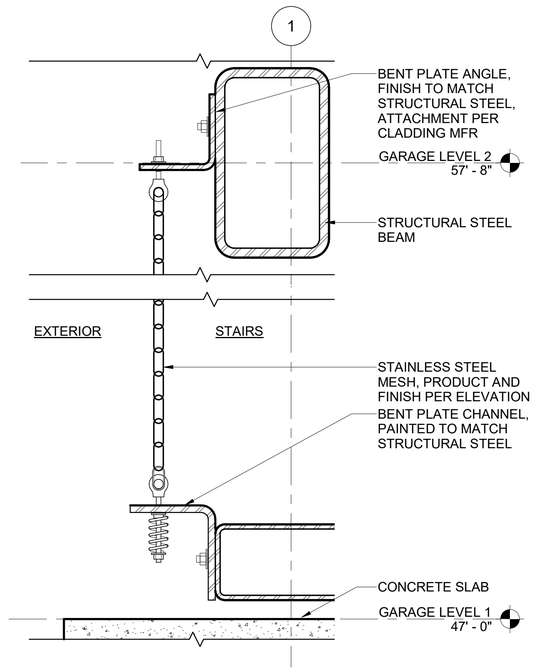
1 F1592-AEE301



SS MESH LEVEL 1

SCALE: 3" = 1'-0"

2 F1592-AEX401



SS MESH @ SW STAIRS

SCALE: 3" = 1'-0"

3 F1592-ATX605

6/21/2022 4:21:39 PM
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FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	CD	PC	BC	FINAL AS-BUILT

DESIGNED BY: C. DOMINGUEZ
DRAWN BY: M. BRYANT/ N. SMITH
CHECKED BY: P. CHUBB
APPROVED BY: B. CONNOLLY

MITHŪN
SUBMITTED BY: SARA ROBERTS

HENSEL PHELPS
Plan. Build. Manage.
kpff
DATE: 10/26/2022
REVIEWED BY: GREG SHIMIZU

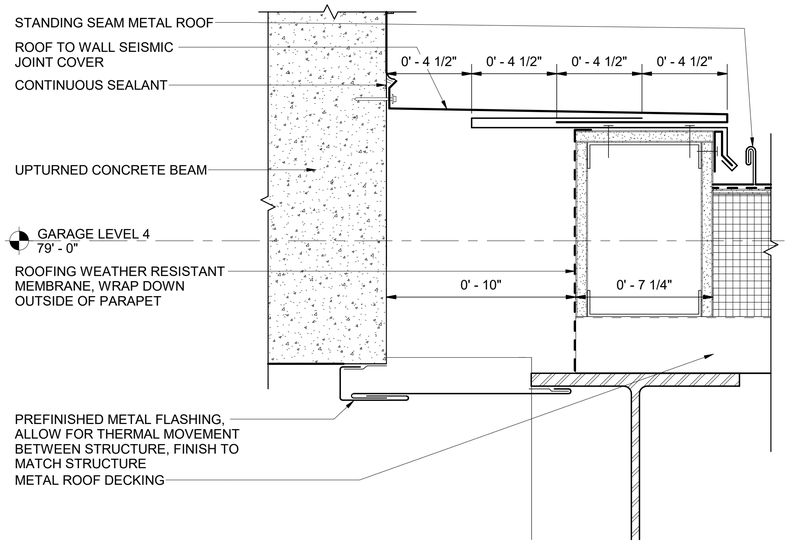
LINE IS 1" AT FULL SCALE

SOUNDTRANSIT
DATE: 10/26/2022

SCALE: 3" = 1'-0"
FILENAME: S317-F1592-A_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
ARCHITECTURAL
EXTERIOR DETAILS - SS MESH

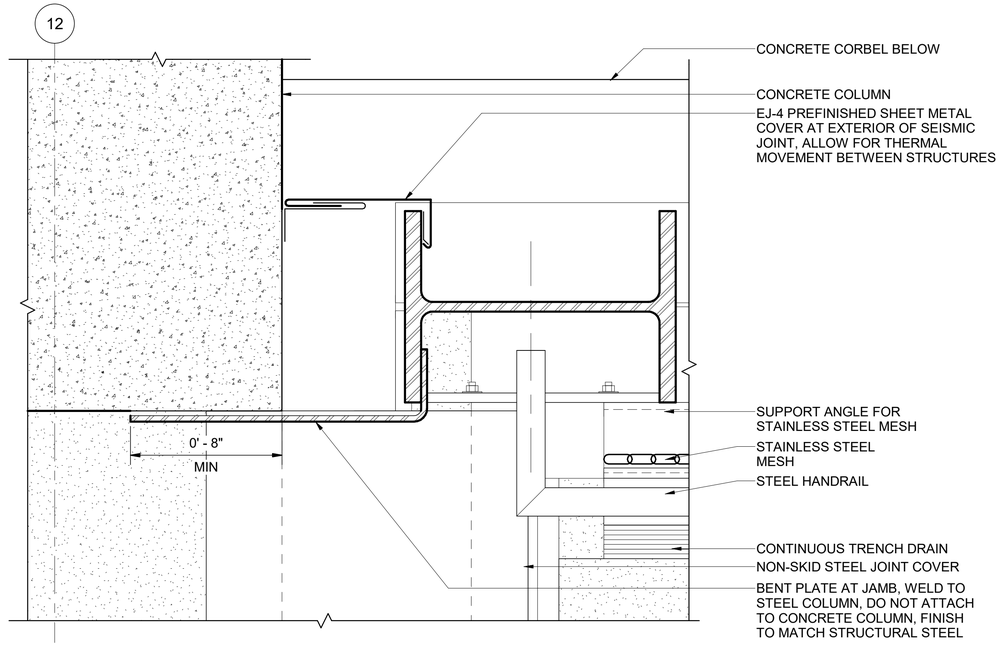
DRAWING No.: **F1592-AED617**
FACILITY ID: F1592
SHEET No: 344
REV: 0



PED BRIDGE ROOF SEISMIC JOINT

SCALE: 3" = 1'-0"

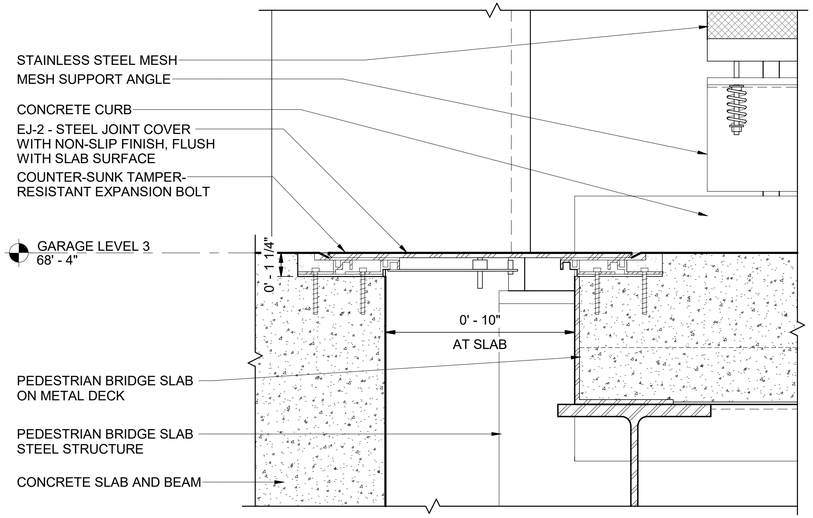
1
F1592-ACP705



PED BRIDGE VERTICAL SEISMIC JOINT

SCALE: 3" = 1'-0"

2
F1592-AEX405



PED BRIDGE SLAB SEISMIC JOINT

SCALE: 3" = 1'-0"

4
F1592-ACP705

6" 3" 0 1'
SCALE IN FEET

6/21/2022 4:21:42 PM
C:\Users\nathaniels\Documents\S317-F1592-A-v2020_nathanielsPP4BW.RVT

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	CD	PC	BC	FINAL AS-BUILT

DESIGNED BY: C. DOMINGUEZ
DRAWN BY: M. BRYANT/ N. SMITH
CHECKED BY: P. CHUBB
APPROVED BY: B. CONNOLLY

MITHŪN
SUBMITTED BY: SARA ROBERTS

HENSEL PHELPS Plan. Build. Manage.
kpff
DATE: 10/26/2022
REVIEWED BY: GREG SHIMIZU

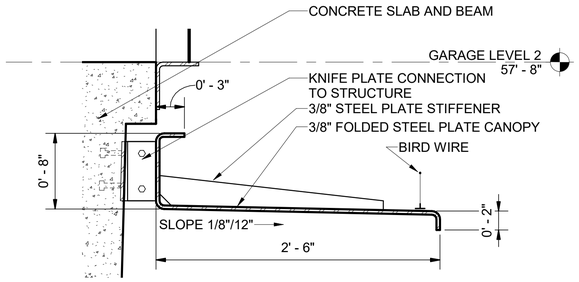
LINE IS 1" AT FULL SCALE

SOUNDTRANSIT
DATE: 10/26/2022

SCALE: 3" = 1'-0"
FILENAME: S317-F1592-A_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
ARCHITECTURAL
EXTERIOR DETAILS - SEISMIC

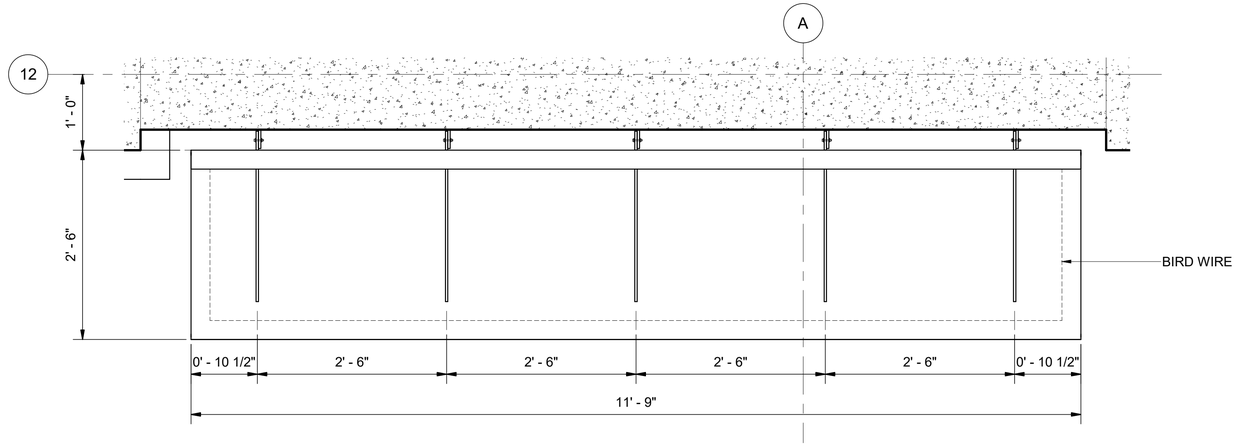
DRAWING No.: **F1592-AED618**
FACILITY ID: F1592
SHEET No: 345
REV: 0



STEEL BROW - EAST ENTRY

SCALE: 1 1/2" = 1'-0"

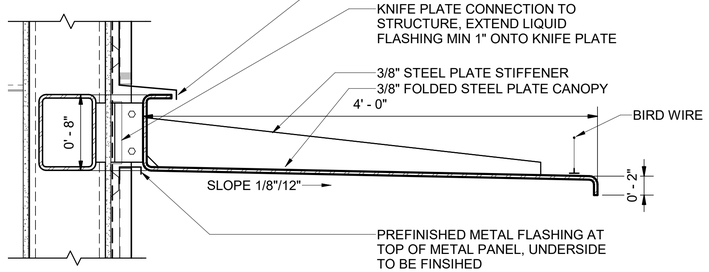
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F1592-ADD202



STEEL BROW - EAST ENTRY

SCALE: 1" = 1'-0"

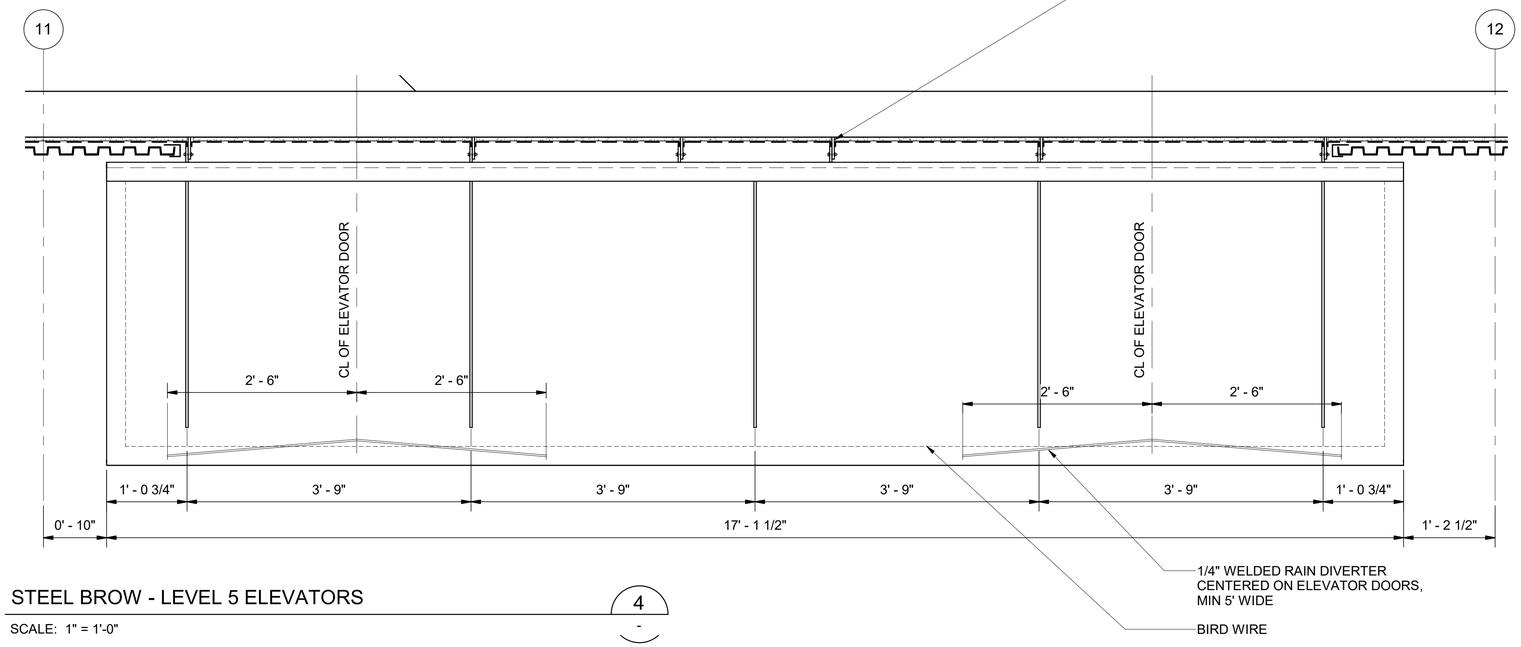
2
-



STEEL BROW SECTION- LEVEL 5 ELEVATOR

SCALE: 1 1/2" = 1'-0"

3
F1592-AEX403



STEEL BROW - LEVEL 5 ELEVATORS

SCALE: 1" = 1'-0"

4
-

6/21/2022 4:21:44 PM
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FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	CD	PC	BC	FINAL AS-BUILT

DESIGNED BY: C. DOMINGUEZ
DRAWN BY: M. BRYANT/ N. SMITH
CHECKED BY: P. CHUBB
APPROVED BY: B. CONNOLLY

MITHŪN
SUBMITTED BY: SARA ROBERTS

HENSEL PHELPS Plan. Build. Manage.
kpff
DATE: 10/26/2022
REVIEWED BY: GREG SHIMIZU

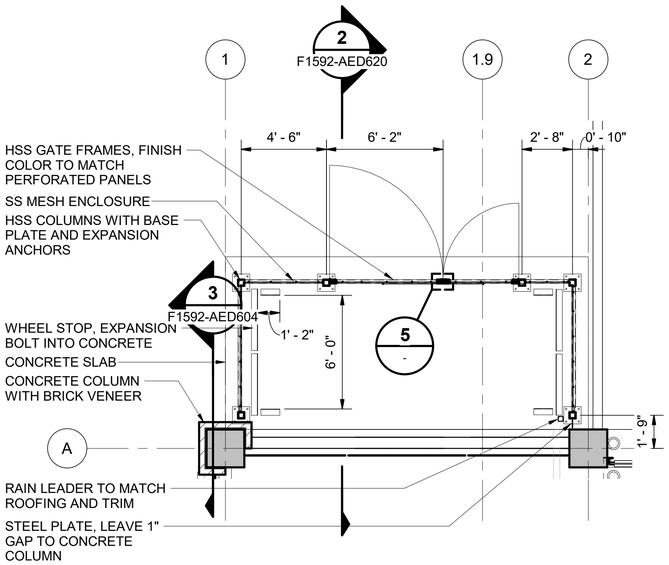
LINE IS 1" AT FULL SCALE

SOUNDTRANSIT
DATE: 10/26/2022

SCALE: AS NOTED
FILENAME: S317-F1592-A_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
ARCHITECTURAL
EXTERIOR DETAILS - BROWS

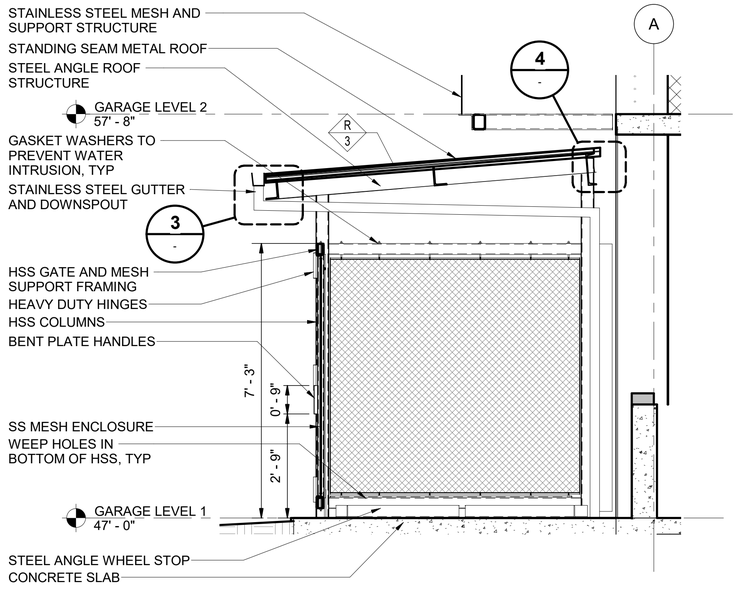
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FACILITY ID: F1592
SHEET No: 346
REV: 0



TRASH ENCLOSURE PLAN

1 / F1592-APP101

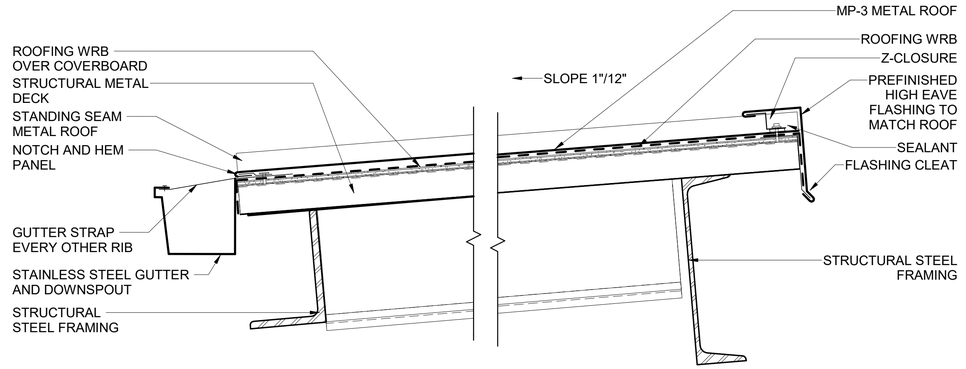
SCALE: 1/4" = 1'-0"



TRASH ENCLOSURE SECTION

2 / -

SCALE: 1/2" = 1'-0"



TRASH ENCLOSURE ROOF & GUTTER

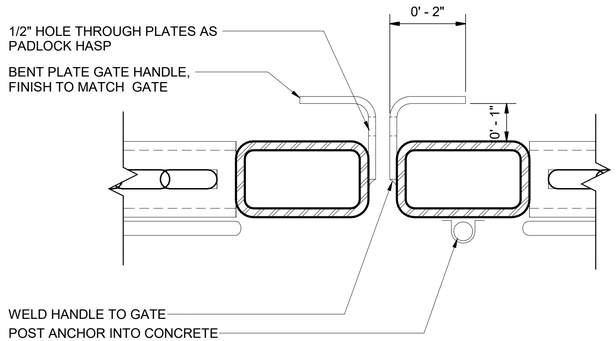
3 / F1592-AED620

SCALE: 3" = 1'-0"

TRASH ENCLOSURE ROOF TOP

4 / -

SCALE: 3" = 1'-0"



TRASH ENCLOSURE HANDLE

5 / -

SCALE: 6" = 1'-0"

6/21/2022 4:21:46 PM
C:\Users\nathaniels\Documents\S317-F1592-A-v2020_nathanielsPP4BW.RVT

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	CD	PC	BC	FINAL AS-BUILT

DESIGNED BY: C. DOMINGUEZ
DRAWN BY: M. BRYANT/ N. SMITH
CHECKED BY: P. CHUBB
APPROVED BY: B. CONNOLLY

MITHŪN
SUBMITTED BY: SARA ROBERTS

HENSEL PHELPS Plan. Build. Manage.
kpff
DATE: 10/26/2022
REVIEWED BY: GREG SHIMIZU

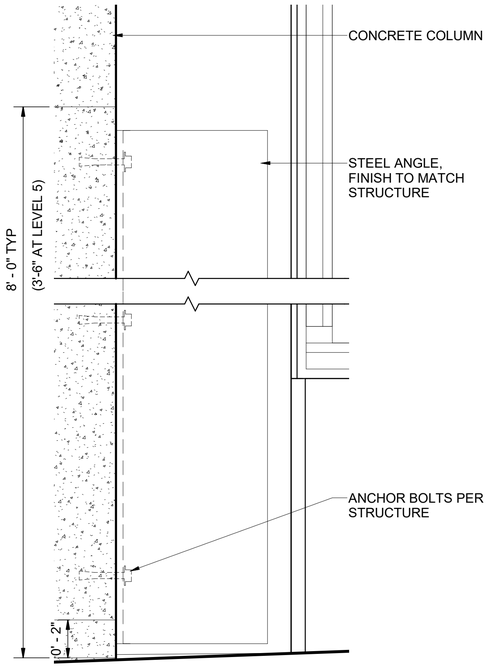
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SOUNDTRANSIT
DATE: 10/26/2022

SCALE: AS NOTED
FILENAME: S317-F1592-A_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
ARCHITECTURAL
EXTERIOR DETAILS - TRASH ENCLOSURE

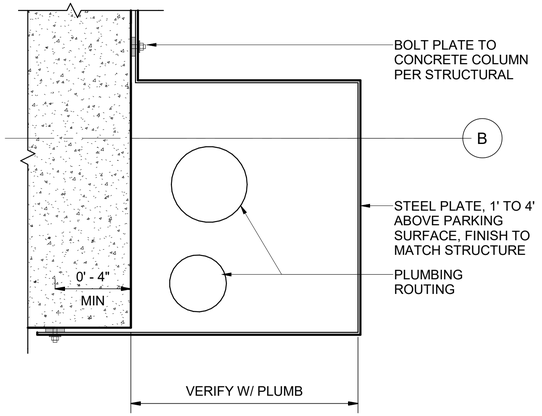
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FACILITY ID: F1592
SHEET No.: 347
REV.: 0



STEEL PLATE INFILL

SCALE: 3" = 1'-0"

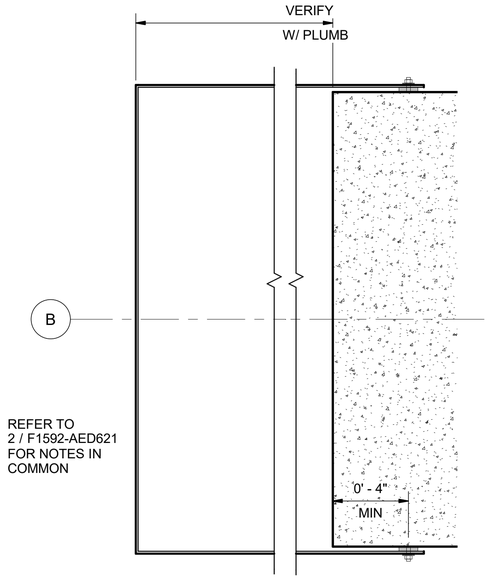
1 F1592-ADD202



PIPE PROTECTION @ GL-8

SCALE: 3" = 1'-0"

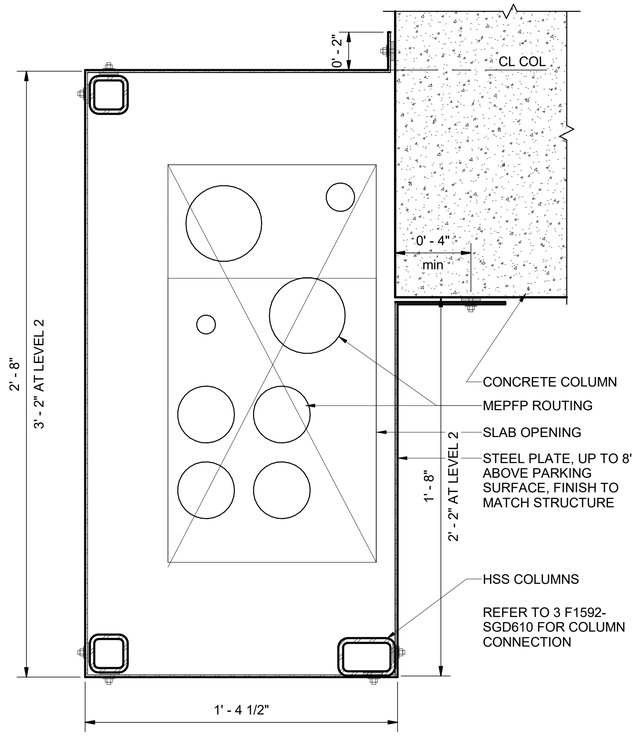
2 F1592-APP104



PIPE PROTECTION @ F.O. COL

SCALE: 3" = 1'-0"

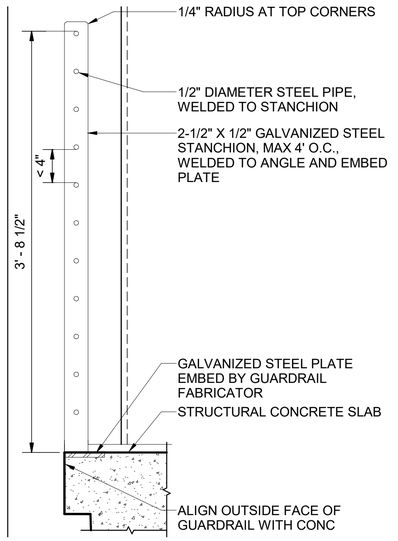
3 F1592-APP101



MEPFP CHASE AT LEVELS 2-4

SCALE: 3" = 1'-0"

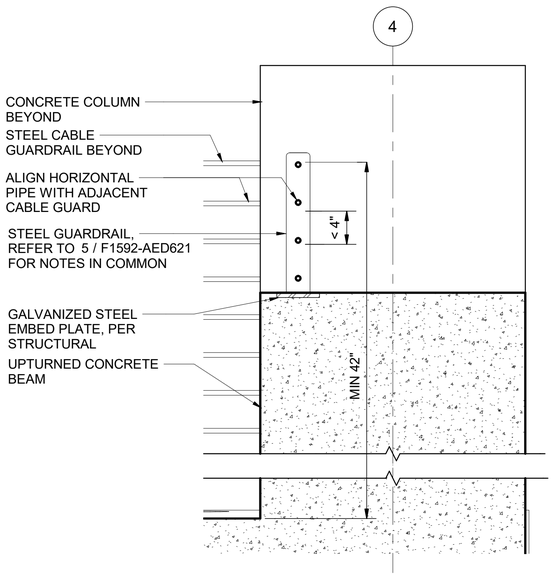
4 F1592-APP303



STEEL GUARDRAIL

SCALE: 1 1/2" = 1'-0"

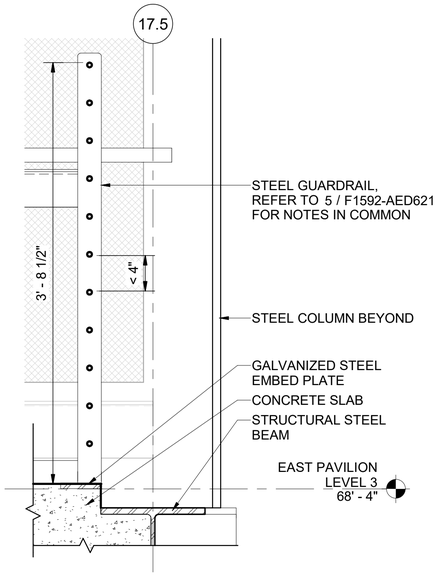
5 F1592-AEX403



STEEL GUARDRAIL AT UPTURNED BEAM

SCALE: 1 1/2" = 1'-0"

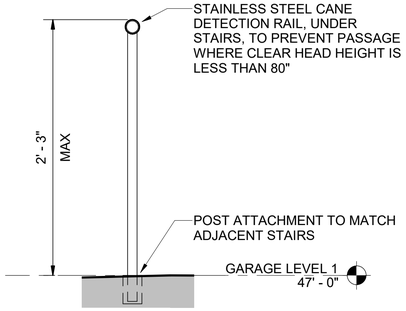
6 F1592-AEX403



STEEL GUARDRAIL AT PED BRIDGE

SCALE: 1 1/2" = 1'-0"

7 F1592-AEE409



TYPICAL CANE DETECTION

SCALE: 1 1/2" = 1'-0"

8 F1592-APP106

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	CD	PC	BC	FINAL AS-BUILT

DESIGNED BY: C. DOMINGUEZ
DRAWN BY: M. BRYANT/ N. SMITH
CHECKED BY: P. CHUBB
APPROVED BY: B. CONNOLLY

MITHŪN
SUBMITTED BY: SARA ROBERTS

HENSEL PHELPS Plan. Build. Manage.
kpff
DATE: 10/26/2022

REVIEWED BY: GREG SHIMIZU

LINE IS 1" AT FULL SCALE

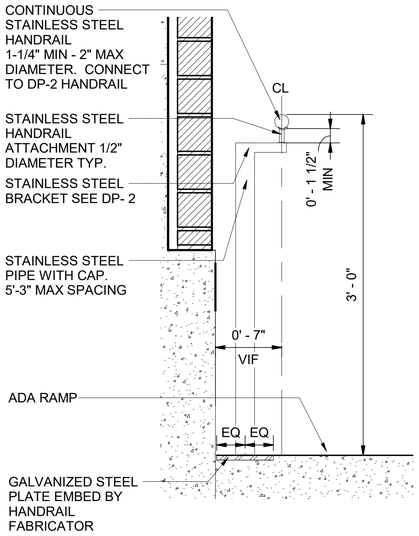
SOUNDTRANSIT
DATE: 10/26/2022

SCALE: AS NOTED
FILENAME: S317-F1592-A_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
ARCHITECTURAL
EXTERIOR DETAILS

DRAWING No.: F1592-AED621
FACILITY ID: F1592
SHEET No: 348
REV: 0

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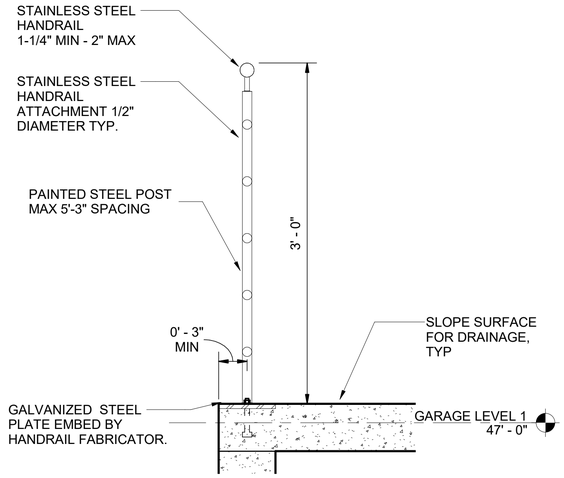


SW RAMP HANDRAIL DETAIL

1

SCALE: 1 1/2" = 1'-0"

F1592-ATX604

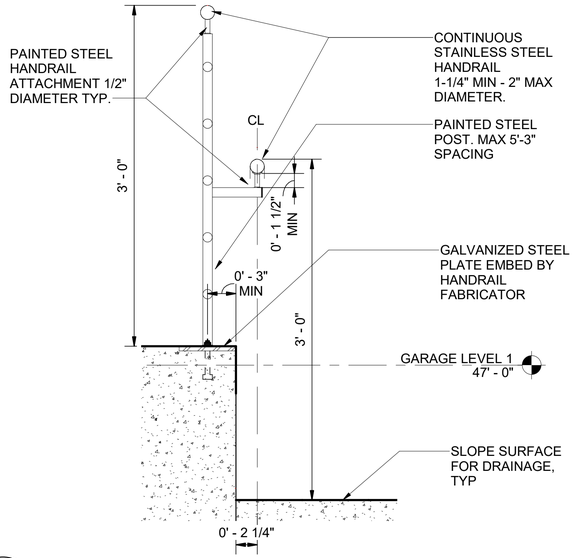


TYPICAL HANDRAIL AT PLAZA

2

SCALE: 1 1/2" = 1'-0"

F1592-ATX604

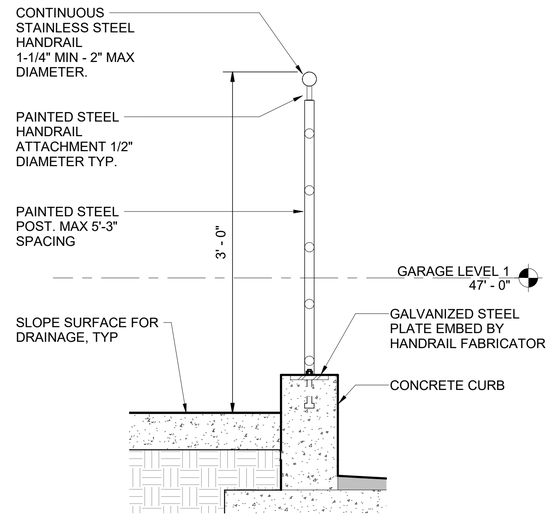


TYPICAL INSIDE HANDRAIL AT ADA RAMP

4

SCALE: 1 1/2" = 1'-0"

F1592-ATX604

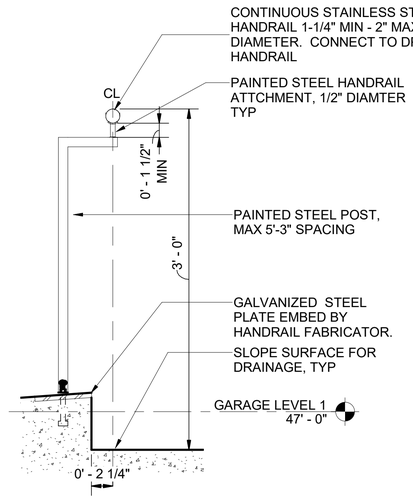


TYPICAL ADA RAMP CURB DETAIL

5

SCALE: 1 1/2" = 1'-0"

F1592-ATX604

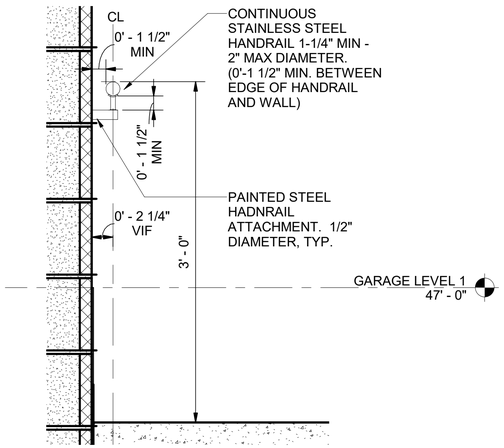


ADA RAMP HANDRAIL AT EDGE NORTH

6

SCALE: 1 1/2" = 1'-0"

F1592-APP103

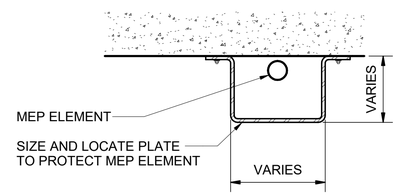


ADA RAMP HANDRAIL WALL ATTACHMENT

7

SCALE: 1 1/2" = 1'-0"

F1592-ATX604

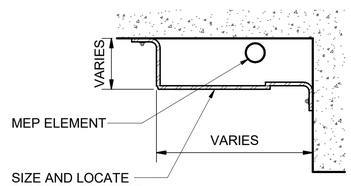


MEP PROTECTION PLATE

8

SCALE: 1 1/2" = 1'-0"

F1592-APP101

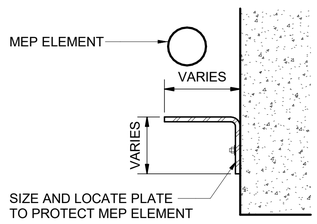


MEP PROTECTION PLATE

9

SCALE: 1 1/2" = 1'-0"

F1592-APP101

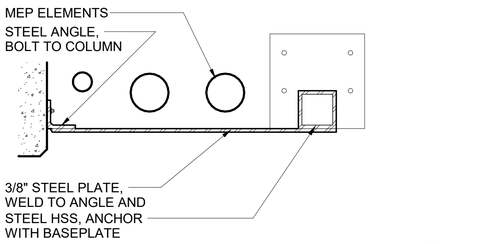


MEP PROTECTION PLATE

3

SCALE: 1 1/2" = 1'-0"

F1592-APP101



MEP PROTECTION PLATE

10

SCALE: 1 1/2" = 1'-0"

F1592-APP101

6" 3" 0 6" 1' 1 1/2'

SCALE IN FEET

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FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	CD	PC	BC	FINAL AS-BUILT

DESIGNED BY: C. DOMINGUEZ
DRAWN BY: M. BRYANT/ N. SMITH
CHECKED BY: P. CHUBB
APPROVED BY: B. CONNOLLY

MITHŪN
SUBMITTED BY: SARA ROBERTS

HENSEL PHELPS Plan. Build. Manage.
kpff
DATE: 10/26/2022

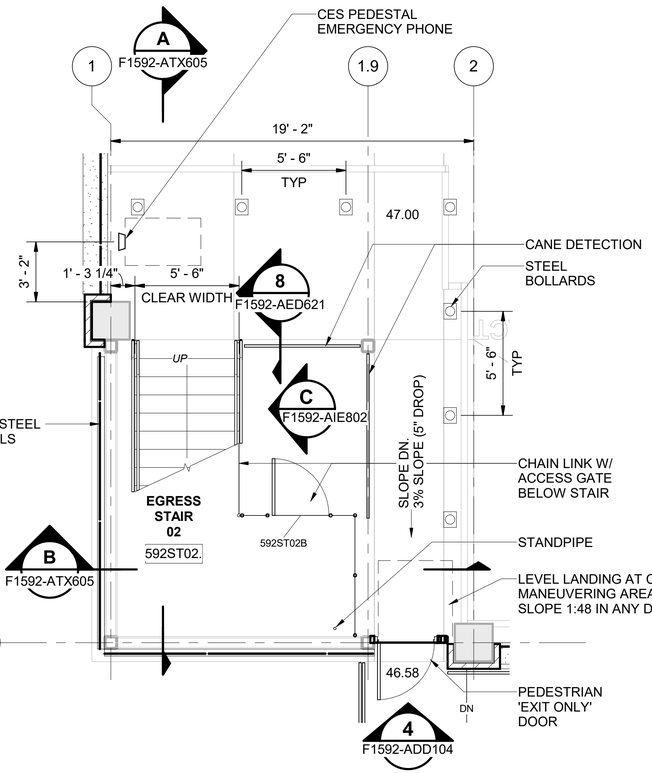
REVIEWED BY: GREG SHIMIZU
DATE: 10/26/2022

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT
SCALE: 1 1/2" = 1'-0"
FILENAME: S317-F1592-A_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

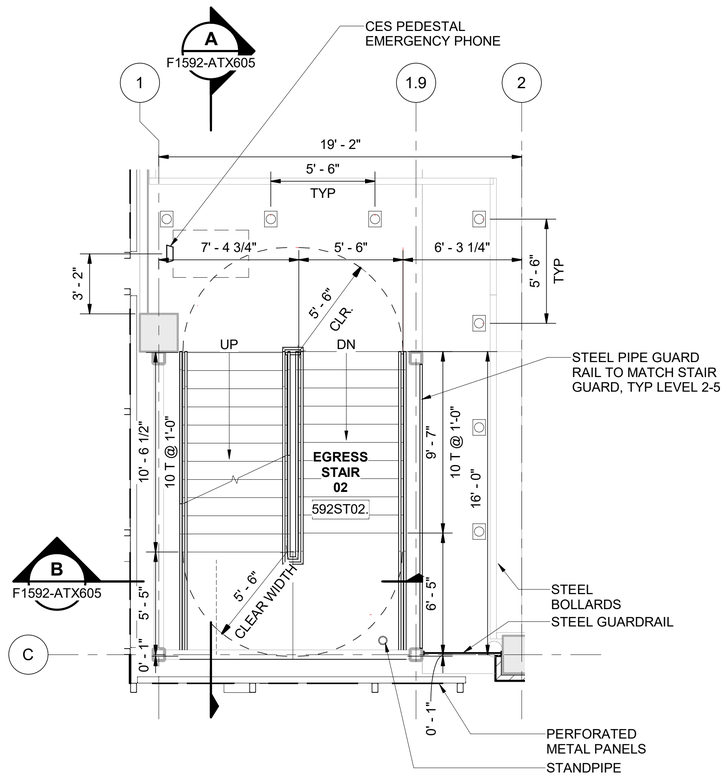
PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
ARCHITECTURAL
EXTERIOR DETAILS

DRAWING No.: **F1592-AED622**
FACILITY ID: F1592
SHEET No: 349
REV: 0



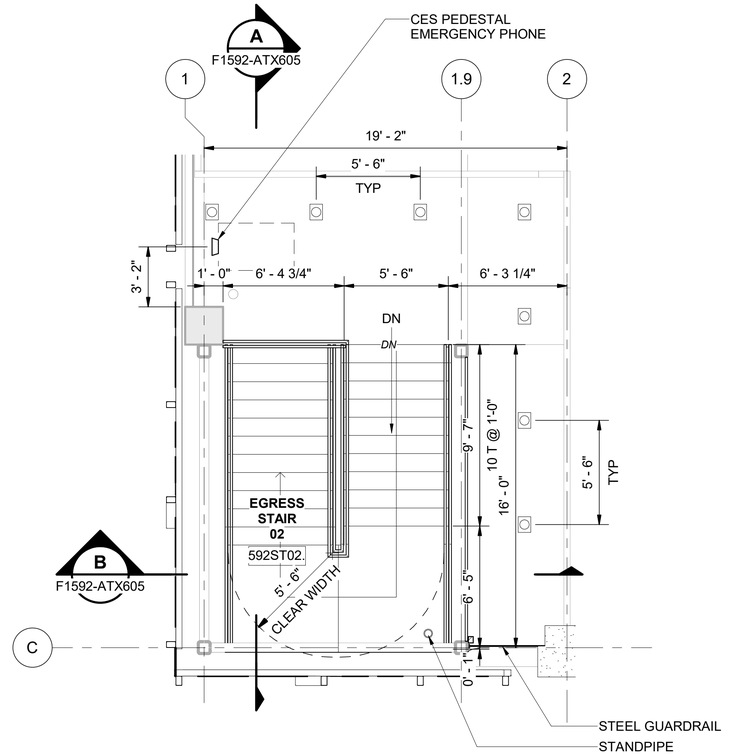
GARAGE GROUND LEVEL - WEST STAIR 1 F1592-APP101

SCALE: 1/4" = 1'-0"



GARAGE TYPICAL LEVELS 2-4 - WEST STAIR 2 F1592-APP201

SCALE: 1/4" = 1'-0"



GARAGE LEVEL 5 - WEST STAIR 3 F1592-APP501

SCALE: 1/4" = 1'-0"

1' 0 2' 4' 8'

SCALE IN FEET

N

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	CD	PC	BC	FINAL AS-BUILT

DESIGNED BY: C. DOMINGUEZ
DRAWN BY: M. BRYANT/ N. SMITH
CHECKED BY: P. CHUBB
APPROVED BY: B. CONNOLLY

MITHŪN

HENSEL PHELPS Plan. Build. Manage.

kpff

LINE IS 1" AT FULL SCALE

SoundTransit

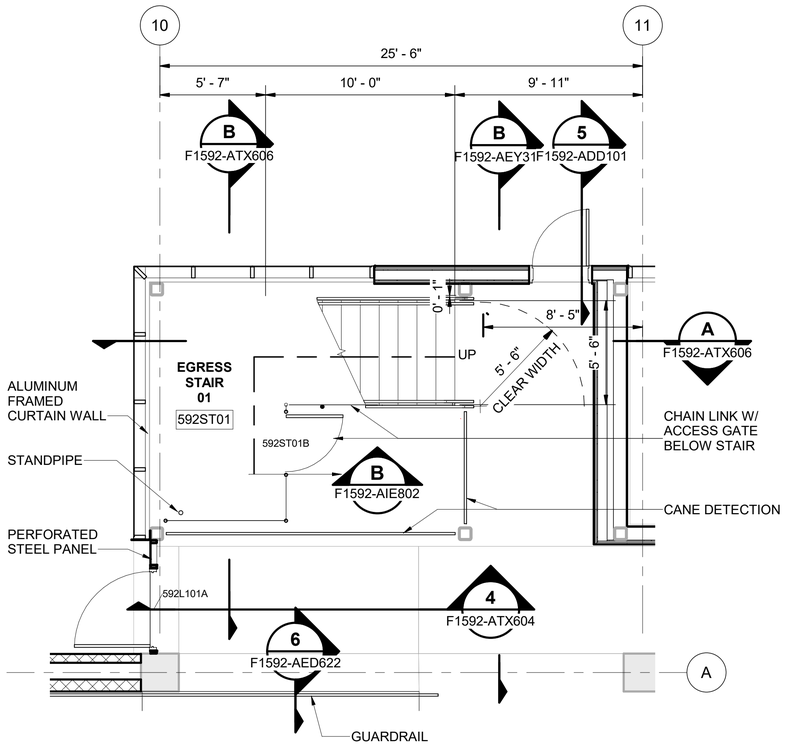
SUBMITTED BY: SARA ROBERTS
DATE: 10/26/2022
REVIEWED BY: GREG SHIMIZU
DATE: 10/26/2022

SCALE: 1/4" = 1'-0"
FILENAME: S317-F1592-A_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
ARCHITECTURAL
VERTICAL CIRCULATION

DRAWING No.: F1592-ATP601
FACILITY ID: F1592
SHEET No: 350
REV: 0

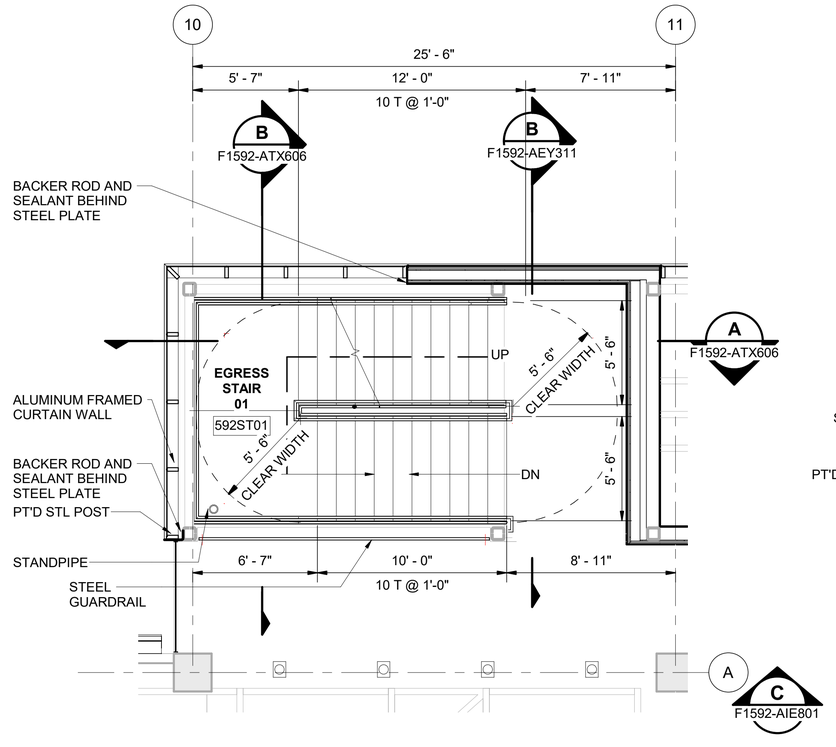
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GARAGE GROUND LEVEL - NORTH STAIR

SCALE: 1/4" = 1'-0"

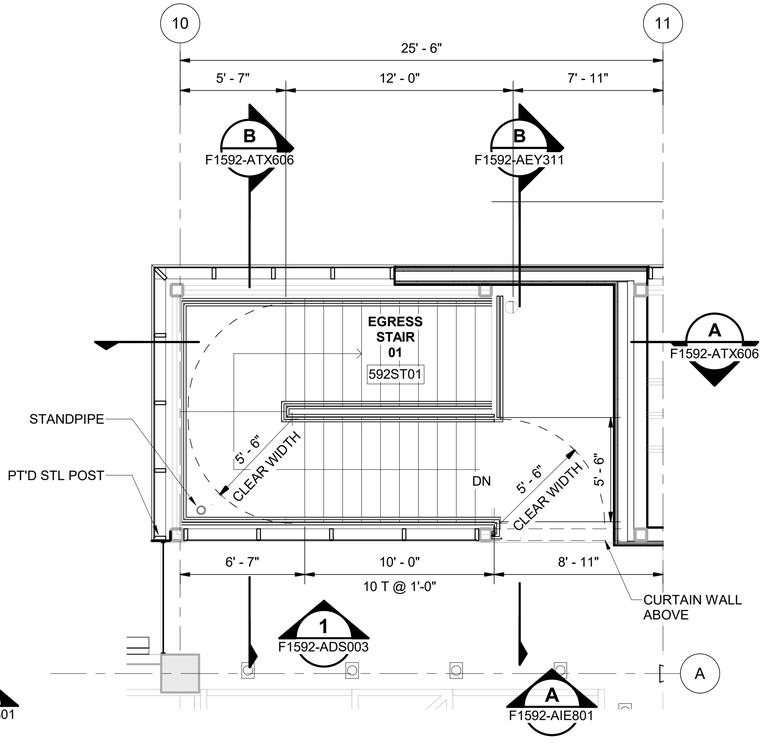
1 F1592-APP103



GARAGE TYPICAL LEVELS 2-4 - NORTH STAIR

SCALE: 1/4" = 1'-0"

2 F1592-APP103



GARAGE LEVEL 5 - NORTH STAIR

SCALE: 1/4" = 1'-0"

3 F1592-APP501

1' 0 2' 4' 8'

SCALE IN FEET

N

6/21/2022 4:28:08 PM
C:\Users\nathaniels\Documents\S317-F1592-A-v2020_nathanielsPP4BW.RVT

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	CD	PC	BC	FINAL AS-BUILT

DESIGNED BY: C. DOMINGUEZ
DRAWN BY: M. BRYANT/ N. SMITH
CHECKED BY: P. CHUBB
APPROVED BY: B. CONNOLLY

MITHŪN
SUBMITTED BY: SARA ROBERTS
DATE: 10/26/2022

HENSEL PHELPS Plan. Build. Manage.
kpff
REVIEWED BY: GREG SHIMIZU
DATE: 10/26/2022

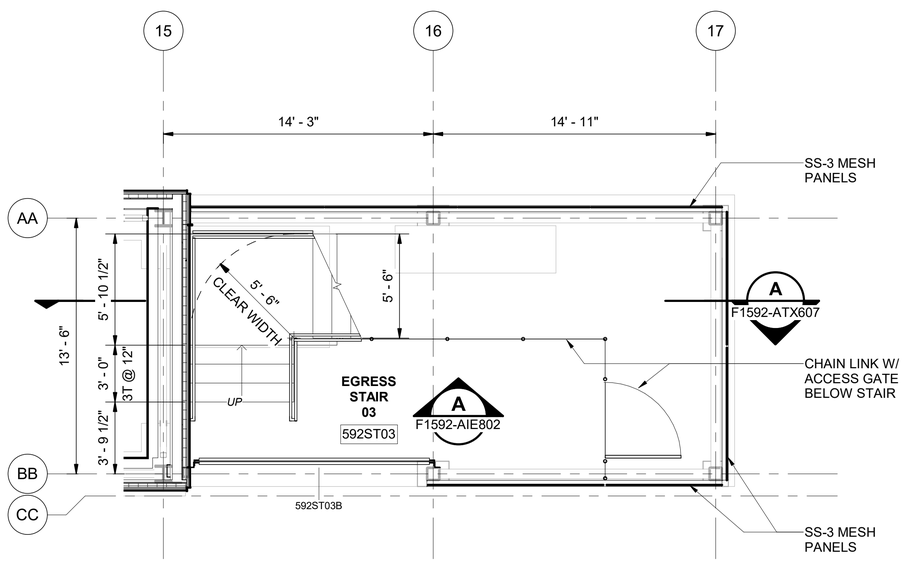
LINE IS 1" AT FULL SCALE

SOUNDTRANSIT
SUBMITTAL DATE: 10/26/2022

SCALE: 1/4" = 1'-0"
FILENAME: S317-F1592-A_v2020
CONTRACT No.: RTA/CN 0612-18

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
ARCHITECTURAL
VERTICAL CIRCULATION

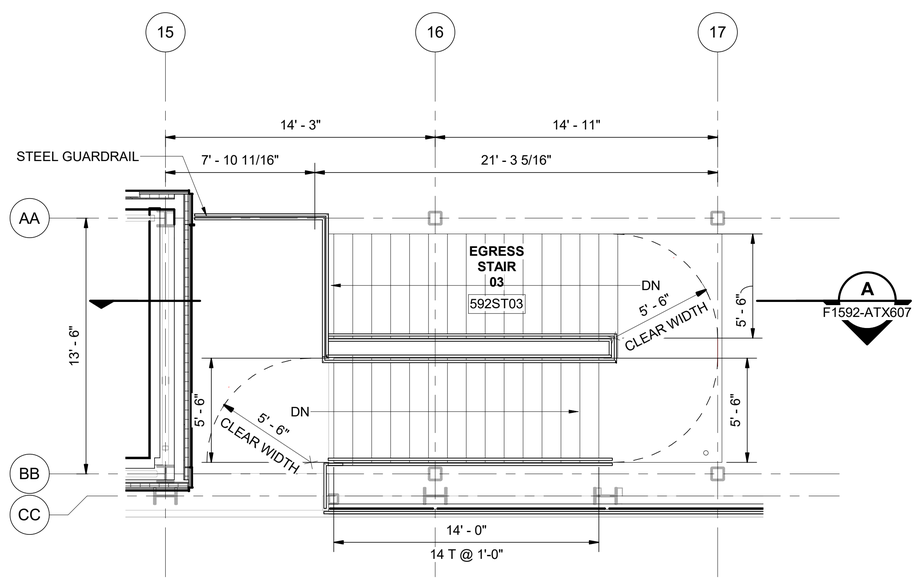
DRAWING No.: F1592-ATP602
FACILITY ID: F1592
SHEET No.: 351
REV.: 0



GARAGE GROUND LEVEL - EAST ABUTMENT

SCALE: 1/4" = 1'-0"

1 F1592-APP102



GARAGE LEVEL 3 - EAST ABUTMENT STAIR

SCALE: 1/4" = 1'-0"

2 F1592-APP302

1' 0 2' 4' 8'

SCALE IN FEET

N

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	CD	PC	BC	FINAL AS-BUILT

DESIGNED BY: C. DOMINGUEZ
DRAWN BY: M. BRYANT/ N. SMITH
CHECKED BY: P. CHUBB
APPROVED BY: B. CONNOLLY

MITHŪN

HENSEL PHELPS Plan. Build. Manage.

kpff

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT

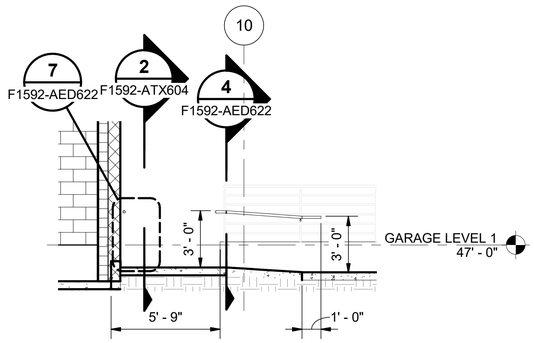
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FILENAME: S317-F1592-A_v2020
CONTRACT No.: RTA/CN 0612-18

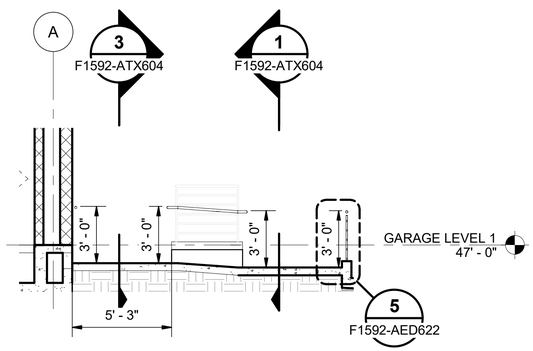
SUBMITTED BY: SARA ROBERTS
DATE: 10/26/2022
REVIEWED BY: GREG SHIMIZU
DATE: 10/26/2022
SUBMITTAL DATE: 10/26/2022

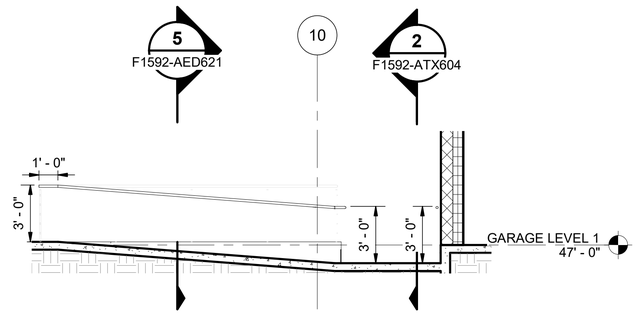
PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
ARCHITECTURAL
VERTICAL CIRCULATION

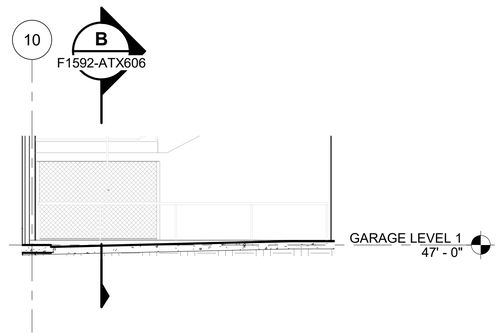
DRAWING No.: F1592-ATP603
FACILITY ID: F1592
SHEET No: 352
REV: 0

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PLAZA RAMP SECTION NORTH

1 / -

SCALE: 1/4" = 1'-0"

PLAZA RAMP SECTION EAST

2 / -

SCALE: 1/4" = 1'-0"

PLAZA RAMP SECTION SOUTH

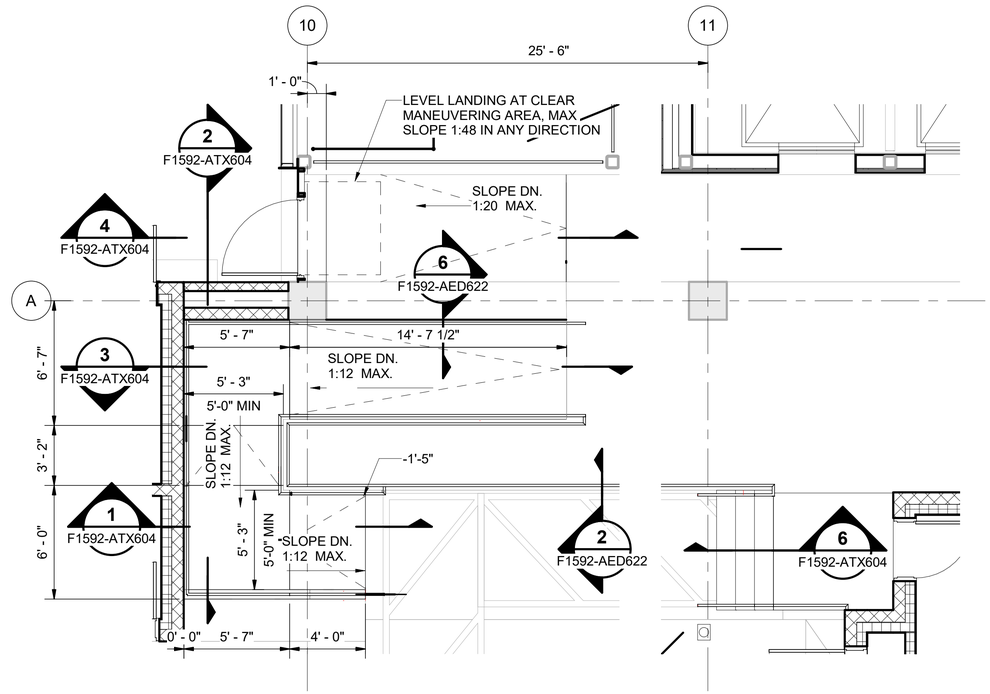
3 / -

SCALE: 1/4" = 1'-0"

NORTH ENTRY RAMP SECTION

4 / F1592-AEX403

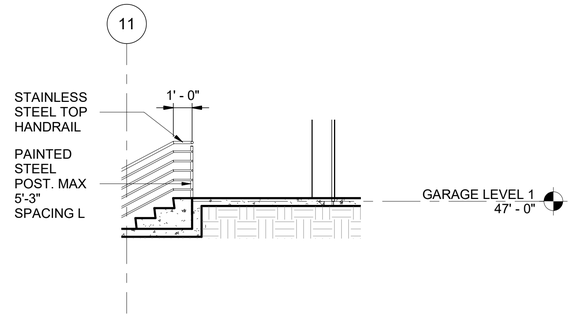
SCALE: 1/4" = 1'-0"



PLAZA LEVEL 1 VERTICAL CIRCULATION

5 / F1592-APP104

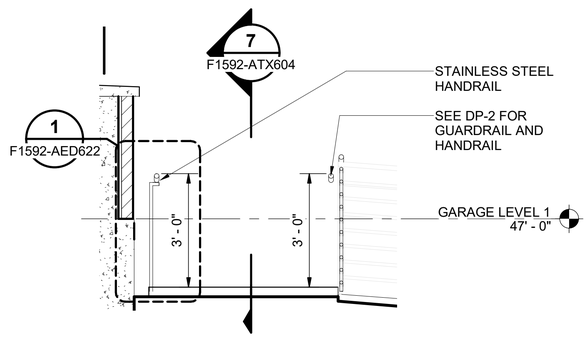
SCALE: 1/4" = 1'-0"



PLAZA STAIR SECTION

6 / -

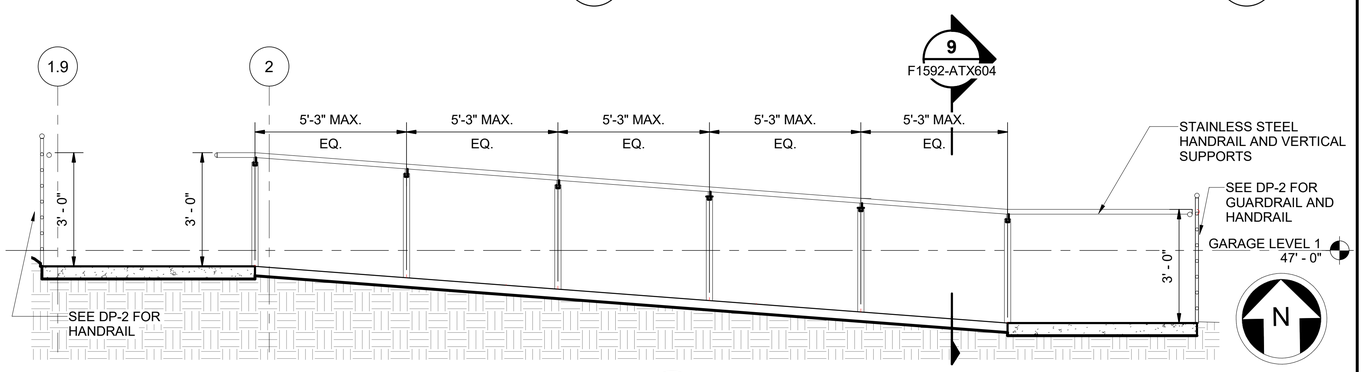
SCALE: 1/4" = 1'-0"



SW RAMP AT MID LANDING

9 / F1592-APP106

SCALE: 1/2" = 1'-0"



SW RAMP EW SECTION

7 / F1592-APP106

SCALE: 1/2" = 1'-0"

6/21/2022 4:28:13 PM
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FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	CD	PC	BC	FINAL AS-BUILT

DESIGNED BY: C. DOMINGUEZ
DRAWN BY: M. BRYANT/ N. SMITH
CHECKED BY: P. CHUBB
APPROVED BY: B. CONNOLLY

MITHŪN
SUBMITTED BY: SARA ROBERTS

HENSEL PHELPS Plan. Build. Manage.
kpff
DATE: 10/26/2022
REVIEWED BY: GREG SHIMIZU

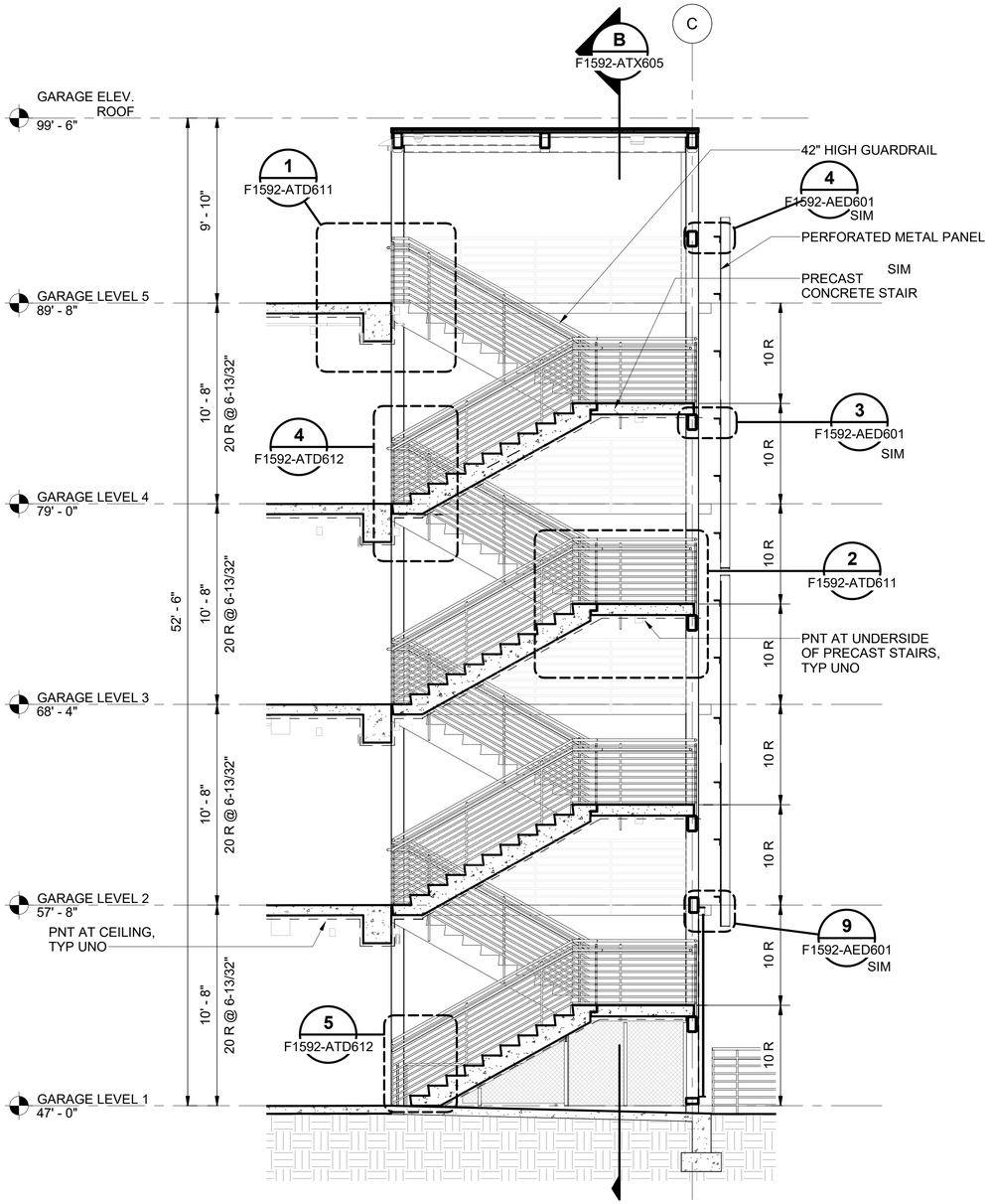
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SOUNDTRANSIT
DATE: 10/26/2022

SCALE: AS NOTED
FILENAME: S317-F1592-A_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
ARCHITECTURAL
VERTICAL CIRCULATION

DRAWING No.: F1592-ATX604
FACILITY ID: F1592
SHEET No.: 353
REV.: 0

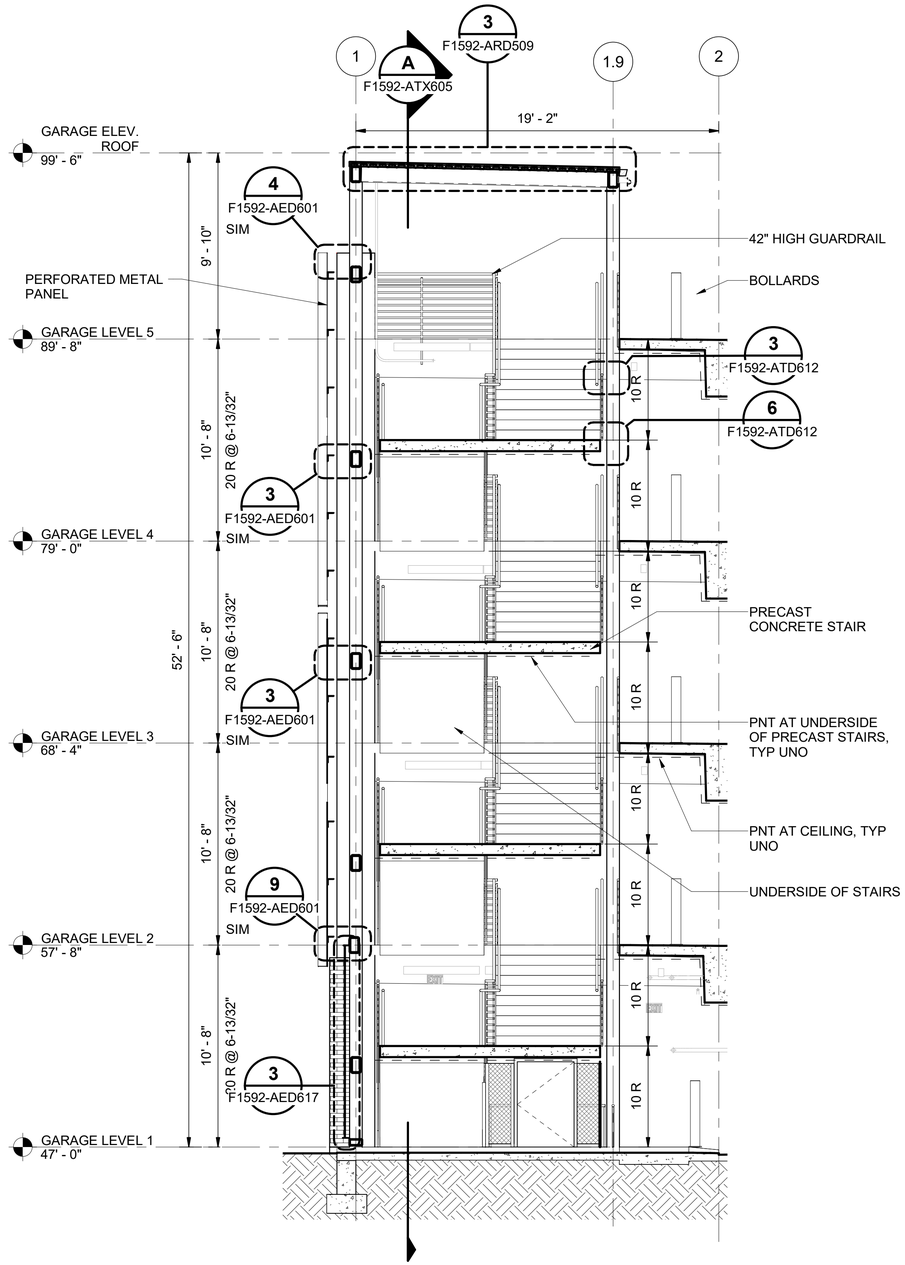


GARAGE - WEST STAIR NS SECTION

SCALE: 1/4" = 1'-0"

A

-



GARAGE - WEST STAIR EW SECTION

SCALE: 1/4" = 1'-0"

B

-

1' 0 2' 4' 8'

SCALE IN FEET

6/21/2022 4:28:16 PM
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FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	CD	PC	BC	FINAL AS-BUILT

DESIGNED BY: C. DOMINGUEZ
DRAWN BY: M. BRYANT/ N. SMITH
CHECKED BY: P. CHUBB
APPROVED BY: B. CONNOLLY

MITHŪN

HENSEL PHELPS
Plan. Build. Manage.
kpff

LINE IS 1" AT FULL SCALE

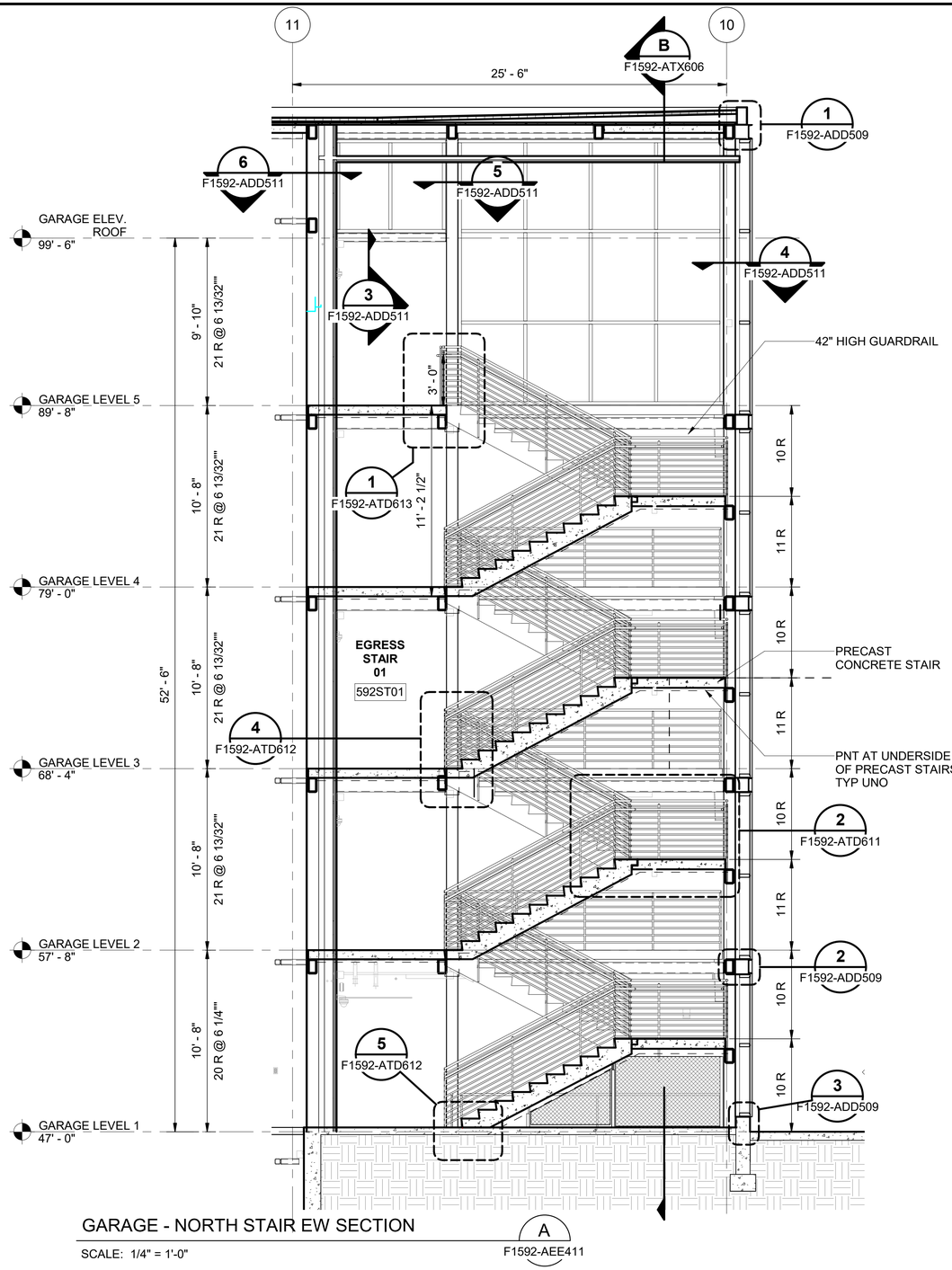
SOUNDTRANSIT

SCALE: 1/4" = 1'-0"
FILENAME: S317-F1592-A_v2020
CONTRACT No.: RTA/CN 0612-18

SUBMITTED BY: SARA ROBERTS
DATE: 10/26/2022
REVIEWED BY: GREG SHIMIZU
DATE: 10/26/2022
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
ARCHITECTURAL
VERTICAL CIRCULATION

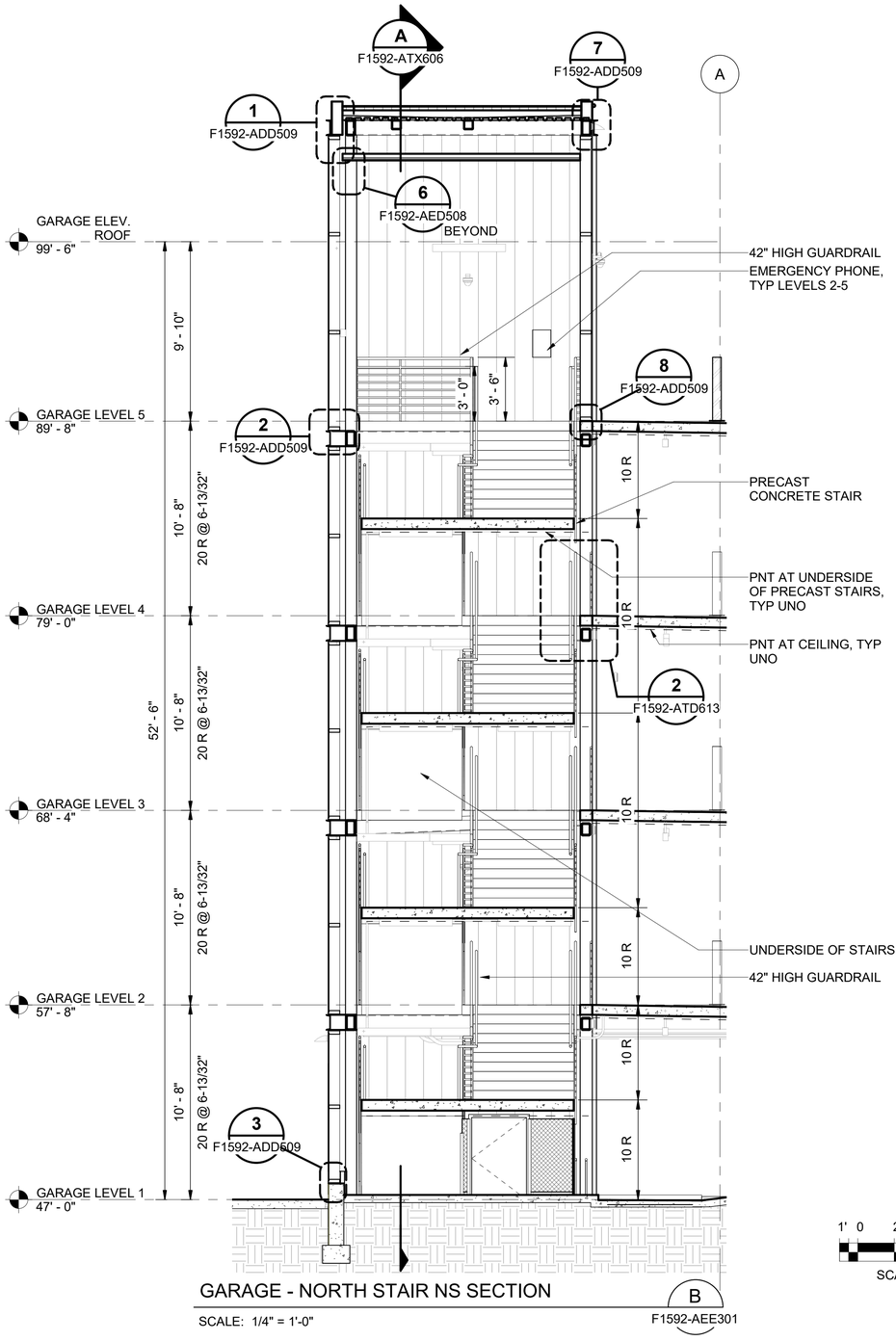
DRAWING No.: F1592-ATX605
FACILITY ID: F1592
SHEET No: 354
REV: 0



GARAGE - NORTH STAIR EW SECTION

SCALE: 1/4" = 1'-0"

A
F1592-AEE411



GARAGE - NORTH STAIR NS SECTION

SCALE: 1/4" = 1'-0"

B
F1592-AEE301

1' 0 2' 4' 8'

SCALE IN FEET

6/21/2022 4:28:23 PM
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FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	CD	PC	BC	FINAL AS-BUILT

DESIGNED BY: C. DOMINGUEZ
DRAWN BY: M. BRYANT/ N. SMITH
CHECKED BY: P. CHUBB
APPROVED BY: B. CONNOLLY

MITHŪN
HENSEL PHELPS Plan. Build. Manage.
kpff

SUBMITTED BY: SARA ROBERTS
DATE: 10/26/2022
REVIEWED BY: GREG SHIMIZU
DATE: 10/26/2022

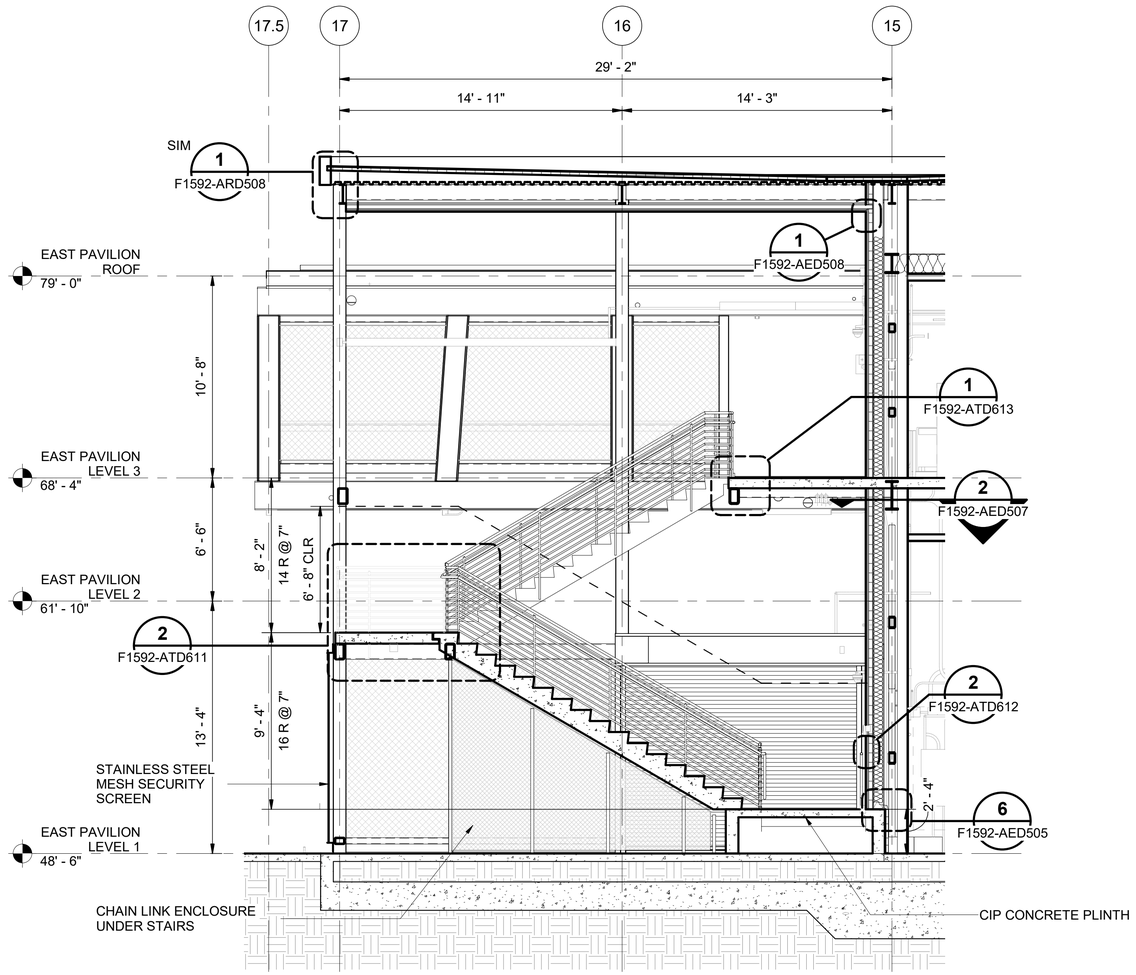
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SOUNDTRANSIT

SCALE: 1/4" = 1'-0"
FILENAME: S317-F1592-A_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
ARCHITECTURAL
VERTICAL CIRCULATION

DRAWING No.: F1592-ATX606
FACILITY ID: F1592
SHEET No.: 355
REV.: 0



EAST ABUTMENT - STAIR EW SECTION

SCALE: 1/4" = 1'-0"

A
F1592-AEE409

1' 0 2' 4' 8'

SCALE IN FEET

6/21/2022 4:28:25 PM
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FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	CD	PC	BC	FINAL AS-BUILT

DESIGNED BY: C. DOMINGUEZ
DRAWN BY: M. BRYANT/ N. SMITH
CHECKED BY: P. CHUBB
APPROVED BY: B. CONNOLLY

MITHŪN
SUBMITTED BY: SARA ROBERTS

HENSEL PHELPS Plan. Build. Manage.
kpff
DATE: 10/26/2022
REVIEWED BY: GREG SHIMIZU

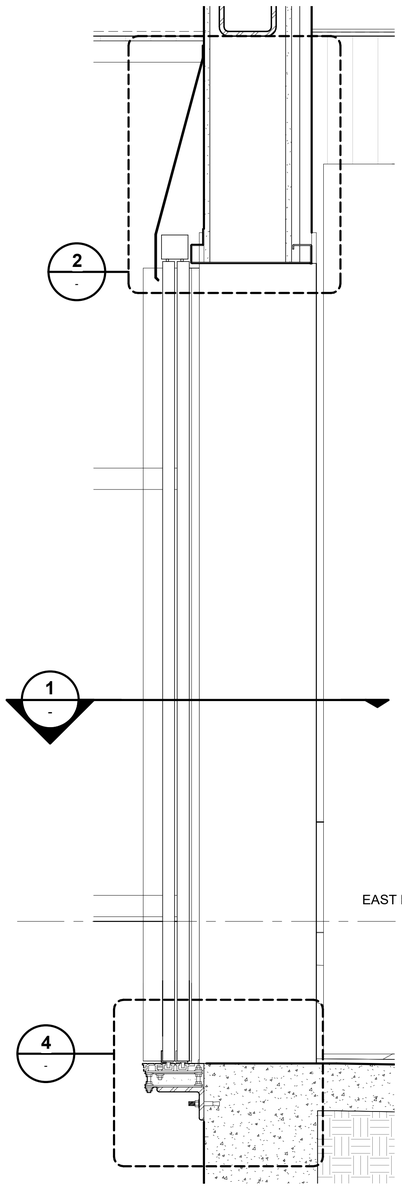
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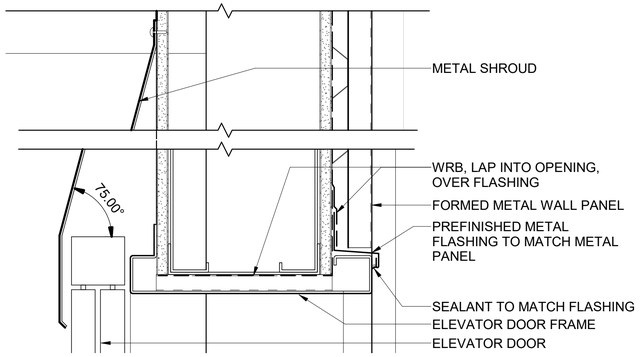
SOUNDTRANSIT
DATE: 10/26/2022

SCALE: 1/4" = 1'-0"
FILENAME: S317-F1592-A_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
ARCHITECTURAL
VERTICAL CIRCULATION

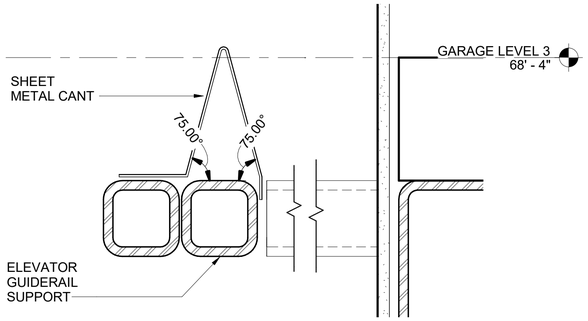
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FACILITY ID: F1592
SHEET No: 356
REV: 0





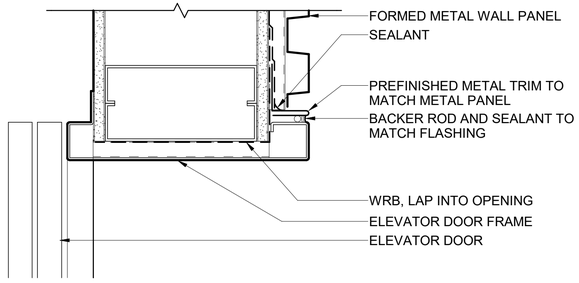
ELEVATOR DOOR HEAD 2 -

SCALE: 3" = 1'-0"



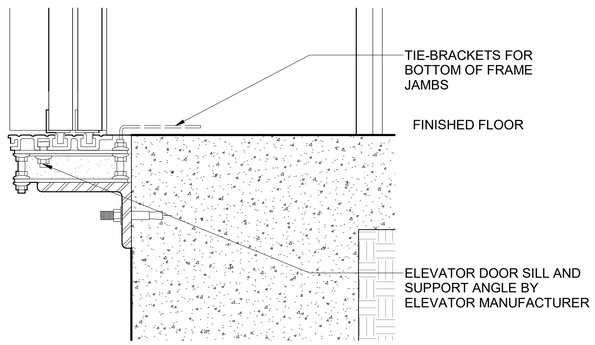
SHEET METAL CANT AT ELEVATOR GUIDERAIL 8 -

SCALE: 3" = 1'-0"



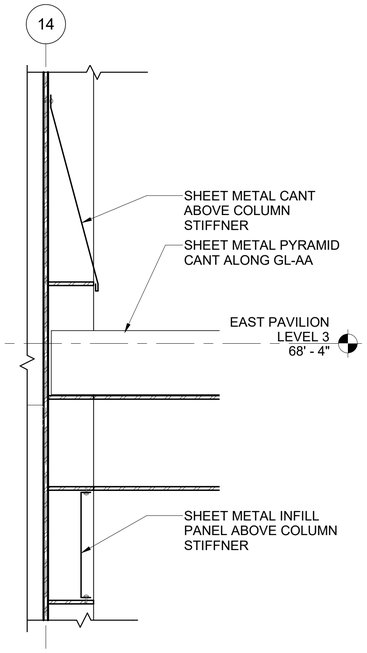
ELEVATOR DOOR JAMB 1 -

SCALE: 3" = 1'-0"



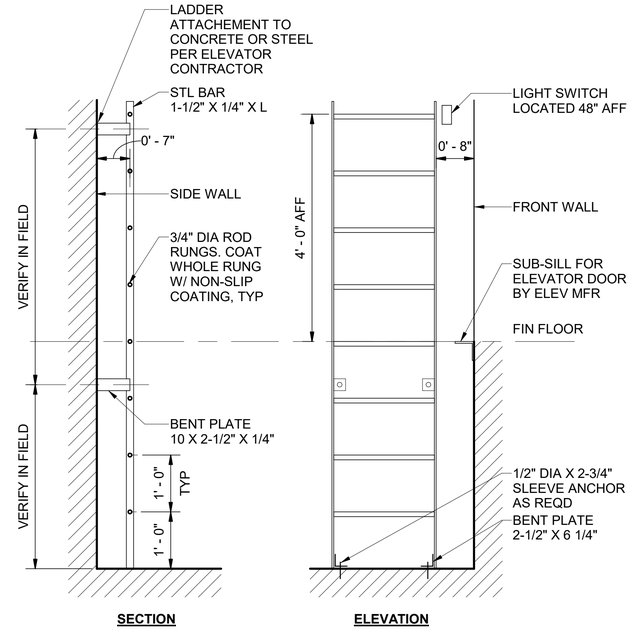
ELEVATOR DOOR SILL 4 -

SCALE: 3" = 1'-0"



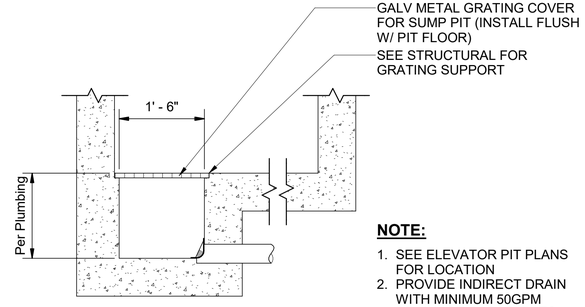
SHEET METAL CANT IN EL SHAFT 7 F1592-AEX404

SCALE: 1 1/2" = 1'-0"



ELEVATOR PIT LADDER 5 F1592-AVX610

SCALE: 3/4" = 1'-0"



NOTE:

1. SEE ELEVATOR PIT PLANS FOR LOCATION
2. PROVIDE INDIRECT DRAIN WITH MINIMUM 50GPM DRAINAGE CAPACITY TO REMOTE SUMP

ELEVATOR SUMP PIT SECTION 6 F1592-AVX611

SCALE: 3/4" = 1'-0"

NORTH ELEVATOR - DOOR SECTION 3 F1592-AEX403

SCALE: 1 1/2" = 1'-0"

6/21/2022 4:28:26 PM
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FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	CD	PC	BC	FINAL AS-BUILT

DESIGNED BY: C. DOMINGUEZ
DRAWN BY: M. BRYANT/ N. SMITH
CHECKED BY: P. CHUBB
APPROVED BY: B. CONNOLLY

MITHŪN
SUBMITTED BY: SARA ROBERTS

HENSEL PHELPS Plan. Build. Manage.
kpff
DATE: 10/26/2022
REVIEWED BY: GREG SHIMIZU

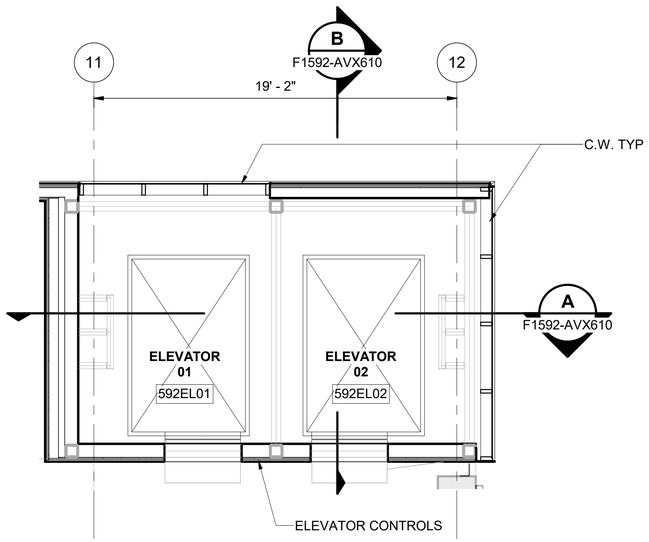
LINE IS 1" AT FULL SCALE

SOUNDTRANSIT
DATE: 10/26/2022

SCALE: AS NOTED
FILENAME: S317-F1592-A_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
ARCHITECTURAL
ELEVATOR DETAILS

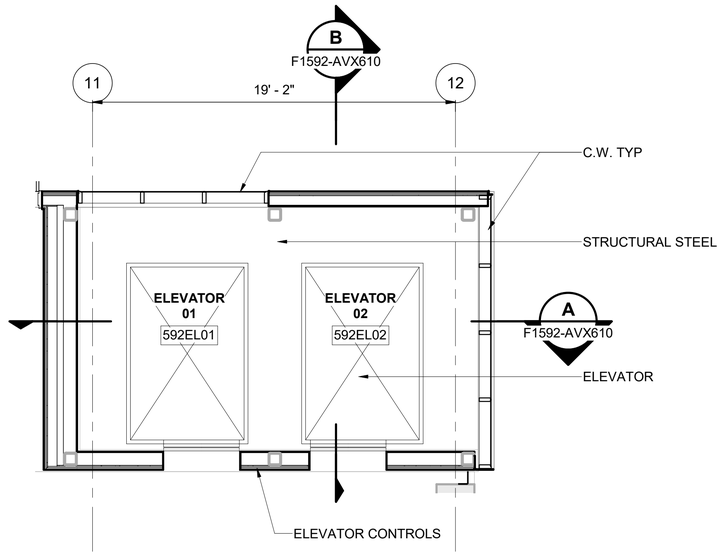
DRAWING No.: F1592-AVD101
FACILITY ID: F1592
SHEET No.: 357
REV.: 0



GARAGE LEVEL 5 - NORTH ELEVATORS

SCALE: 1/4" = 1'-0"

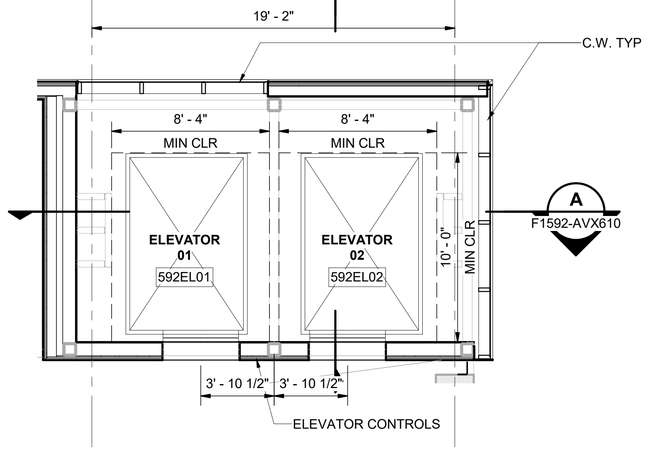
1 F1592-APP501



GARAGE GROUND LEVEL - NORTH ELEVATORS

SCALE: 1/4" = 1'-0"

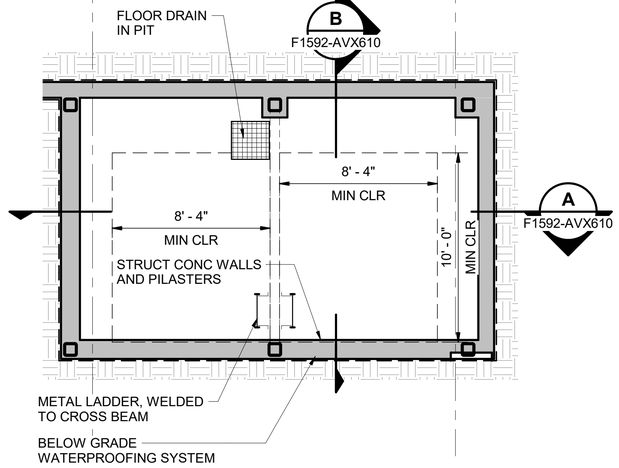
5 F1592-APP103



GARAGE TYPICAL LEVEL - NORTH ELEVATORS

SCALE: 1/4" = 1'-0"

4 F1592-APP103



GARAGE ELEVATOR PIT PLAN

SCALE: 1/4" = 1'-0"

2 F1592-AAE010

1' 0 2' 4' 8'

SCALE IN FEET

N

6/21/2022 4:28:28 PM
C:\Users\nathaniels\Documents\S317-F1592-A-v2020_nathanielsPP4BW.RVT

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	CD	PC	BC	FINAL AS-BUILT

DESIGNED BY: C. DOMINGUEZ
DRAWN BY: M. BRYANT/ N. SMITH
CHECKED BY: P. CHUBB
APPROVED BY: B. CONNOLLY

MITHŪN
SUBMITTED BY: SARA ROBERTS

HENSEL PHELPS
Plan. Build. Manage.
kpff
DATE: 10/26/2022
REVIEWED BY: GREG SHIMIZU

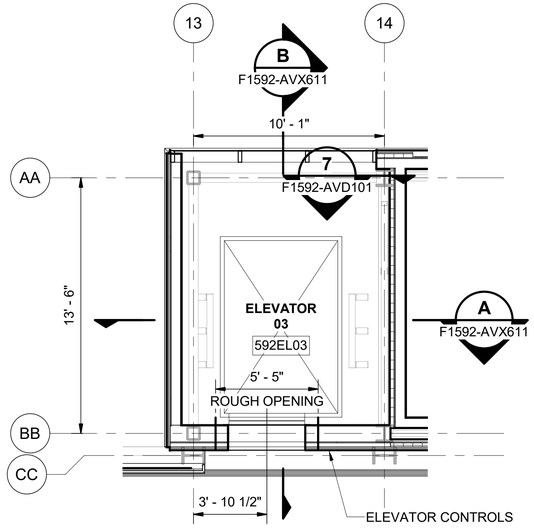
LINE IS 1" AT FULL SCALE

SOUNDTRANSIT
DATE: 10/26/2022

SCALE: 1/4" = 1'-0"
FILENAME: S317-F1592-A_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

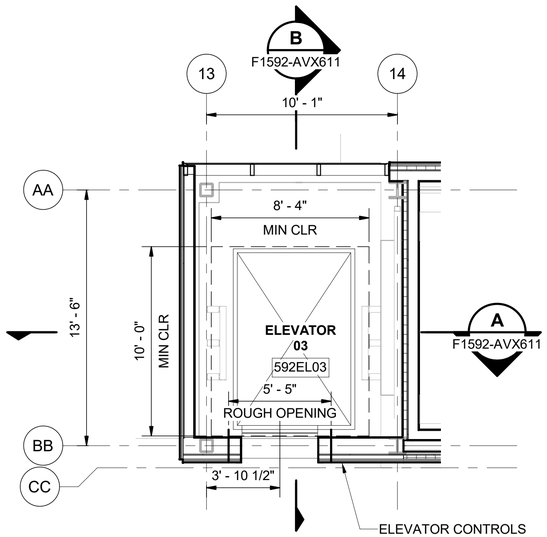
PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
ARCHITECTURAL
VERTICAL CIRCULATION

DRAWING No.: **F1592-AVP608**
FACILITY ID: F1592
SHEET No: 358
REV: 0



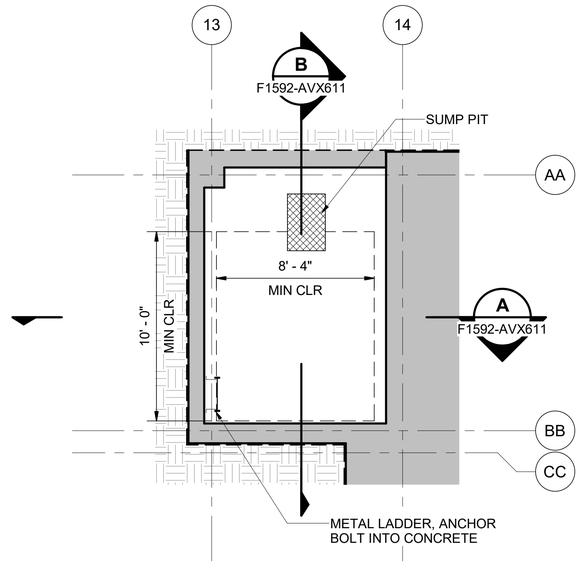
EAST ABUTMENT LEVEL 3 - ELEVATOR — 1 / F1592-APP302

SCALE: 1/4" = 1'-0"



EAST ABUTMENT LEVEL 1 - ELEVATOR — 2 / F1592-APP102

SCALE: 1/4" = 1'-0"



EAST ABUTMENT ELEVATOR PIT PLAN — 3 / F1592-AAE010

SCALE: 1/4" = 1'-0"

1' 0 2' 4' 8'

SCALE IN FEET

N

6/21/2022 4:28:30 PM
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FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	CD	PC	BC	FINAL AS-BUILT

DESIGNED BY: C. DOMINGUEZ
DRAWN BY: M. BRYANT/ N. SMITH
CHECKED BY: P. CHUBB
APPROVED BY: B. CONNOLLY

MITHŪN
SUBMITTED BY: SARA ROBERTS

HENSEL PHELPS Plan. Build. Manage. kpff
DATE: 10/26/2022

REVIEWED BY: GREG SHIMIZU
DATE: 10/26/2022

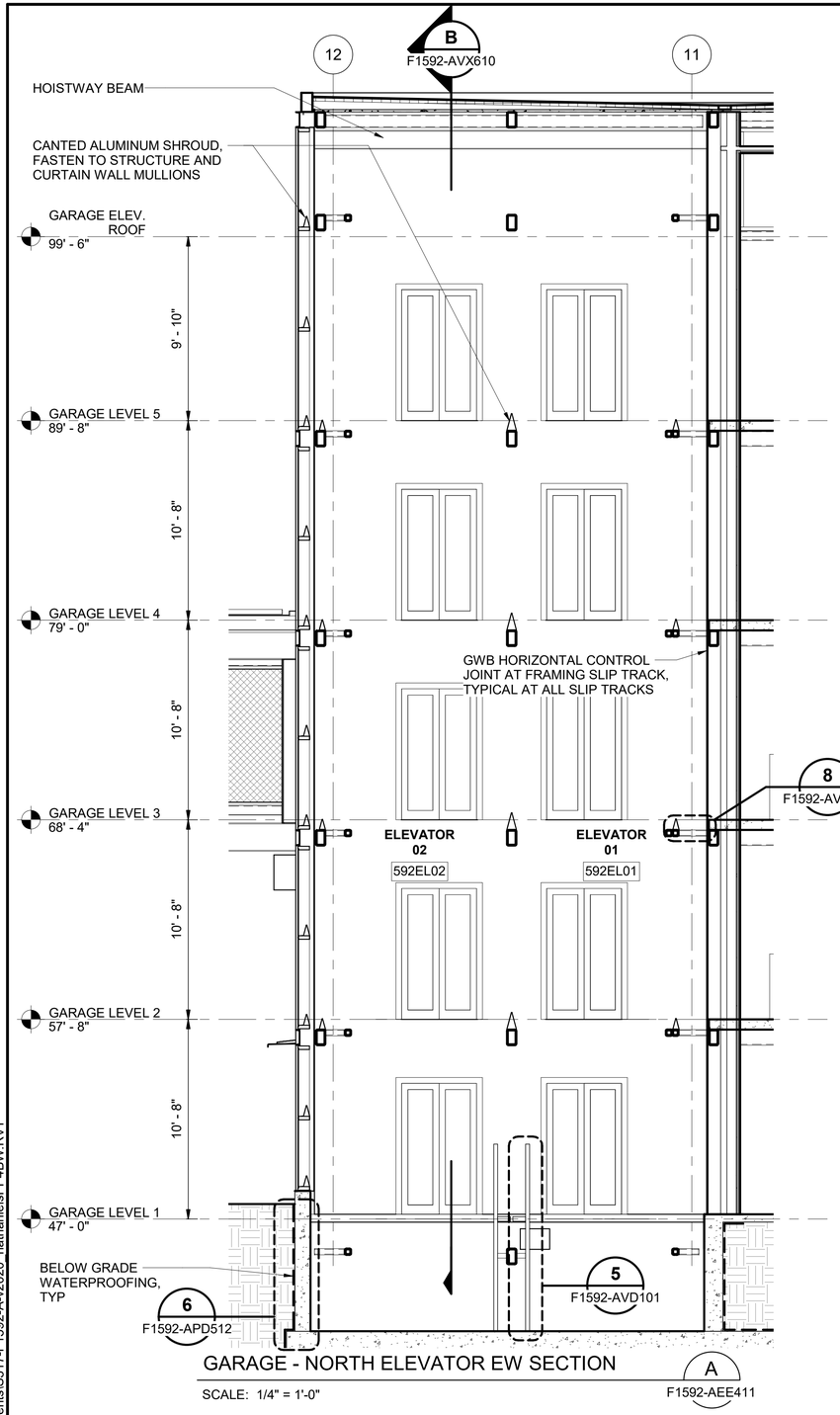
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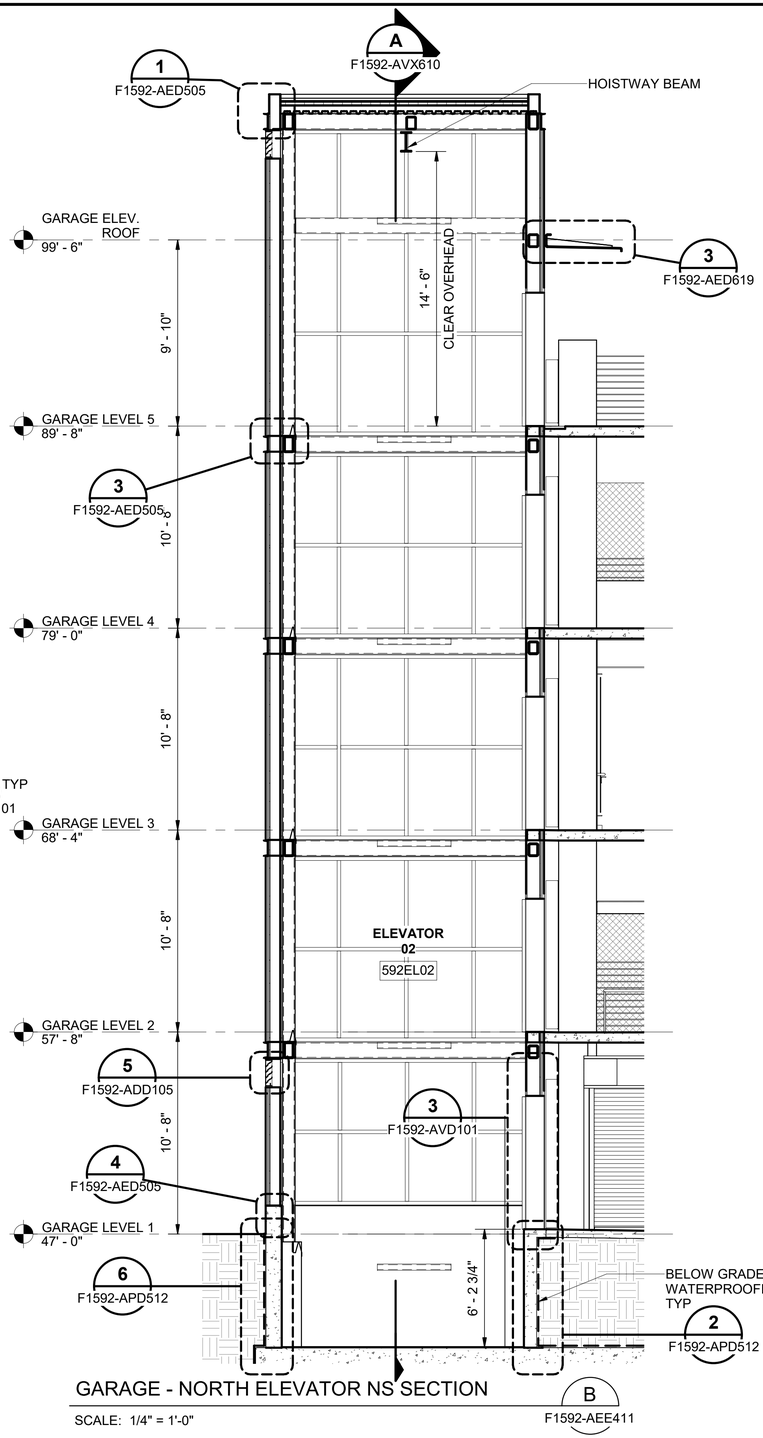
SOUNDTRANSIT

SCALE: 1/4" = 1'-0"
FILENAME: S317-F1592-A_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
ARCHITECTURAL
VERTICAL CIRCULATION

DRAWING No.: F1592-AVP609
FACILITY ID: F1592
SHEET No.: 359
REV.: 0





1' 0 2' 4' 8'

SCALE IN FEET

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	CD	PC	BC	FINAL AS-BUILT

DESIGNED BY: C. DOMINGUEZ
DRAWN BY: M. BRYANT/ N. SMITH
CHECKED BY: P. CHUBB
APPROVED BY: B. CONNOLLY

MITHŪN
SUBMITTED BY: SARA ROBERTS

HENSEL PHELPS Plan. Build. Manage.
kpff
DATE: 10/26/2022
REVIEWED BY: GREG SHIMIZU

LINE IS 1" AT FULL SCALE

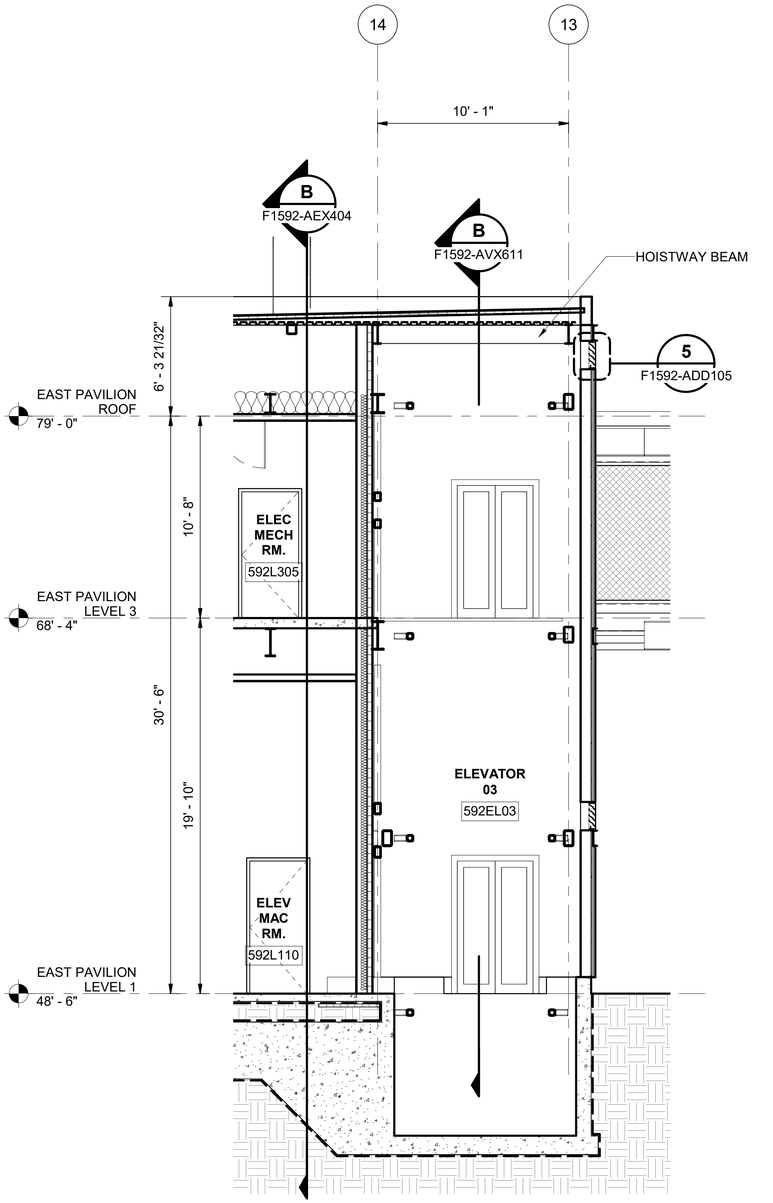
SOUNDTRANSIT
DATE: 10/26/2022

SCALE: 1/4" = 1'-0"
FILENAME: S317-F1592-A_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
ARCHITECTURAL
VERTICAL CIRCULATION

DRAWING No.: F1592-AVX610
FACILITY ID: F1592
SHEET No.: 360
REV.: 0

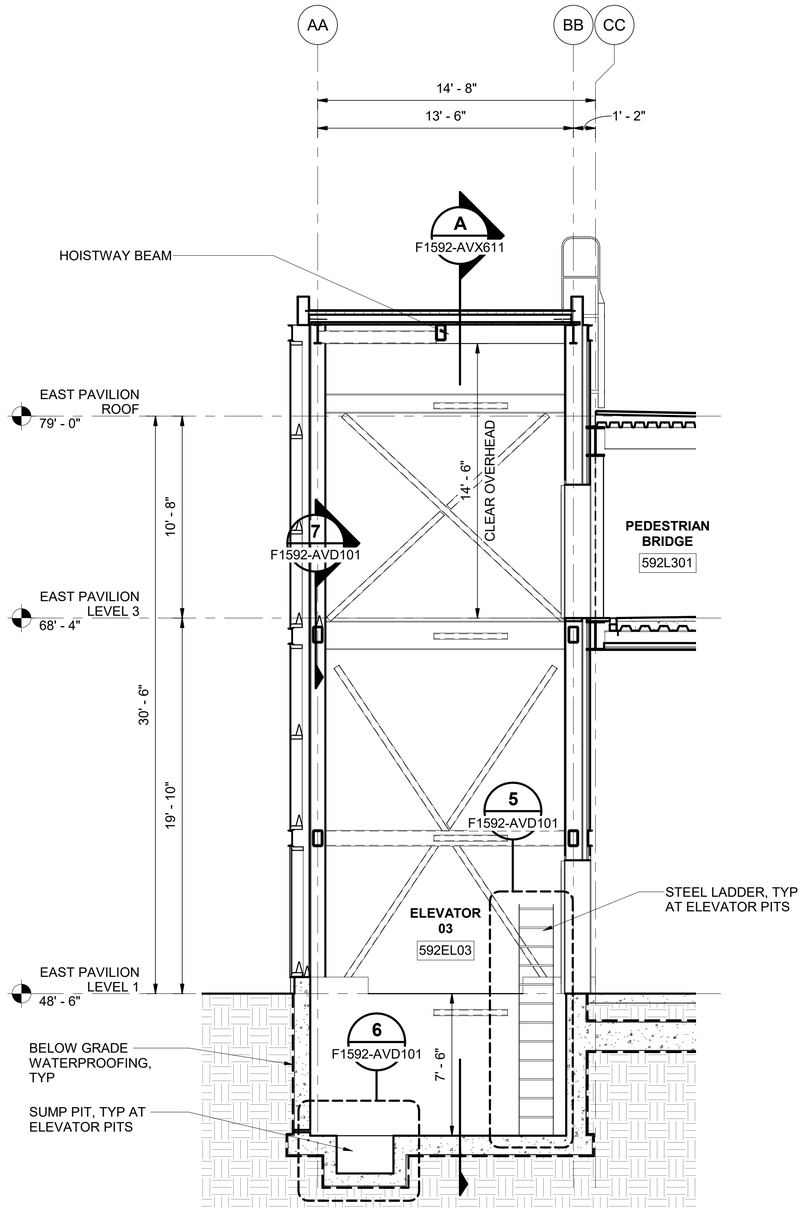
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EAST ABUTMENT - ELEVATOR EW SECTION

SCALE: 1/4" = 1'-0"

A
F1592-AEE409



EAST ABUTMENT - ELEVATOR NS SECTION

SCALE: 1/4" = 1'-0"

B
F1592-AVP609

1' 0 2' 4' 8'

SCALE IN FEET

6/21/2022 4:28:36 PM
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FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	CD	PC	BC	FINAL AS-BUILT

DESIGNED BY: C. DOMINGUEZ
DRAWN BY: M. BRYANT/ N. SMITH
CHECKED BY: P. CHUBB
APPROVED BY: B. CONNOLLY

MITHŪN
SUBMITTED BY: SARA ROBERTS

HENSEL PHELPS Plan. Build. Manage.
kpff
DATE: 10/26/2022

REVIEWED BY: GREG SHIMIZU

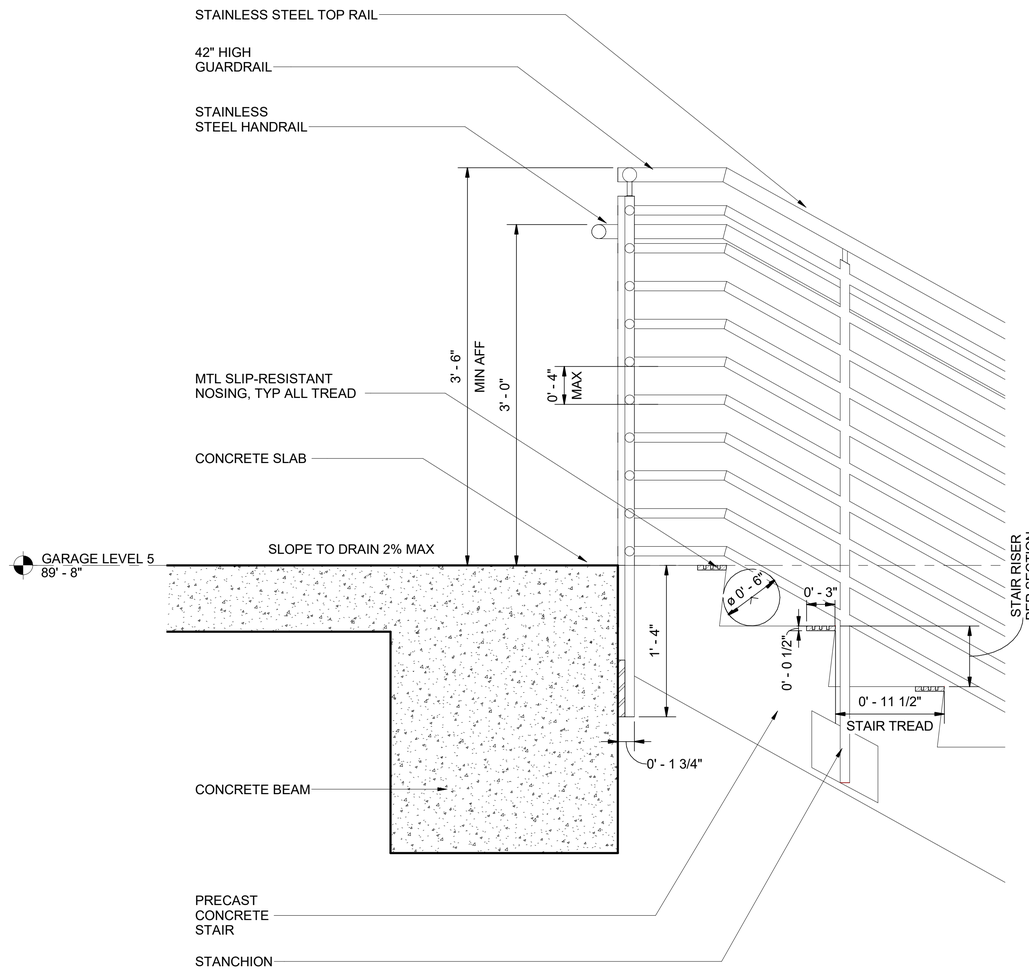
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SOUNDTRANSIT
DATE: 10/26/2022

SCALE: 1/4" = 1'-0"
FILENAME: S317-F1592-A_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
ARCHITECTURAL
VERTICAL CIRCULATION

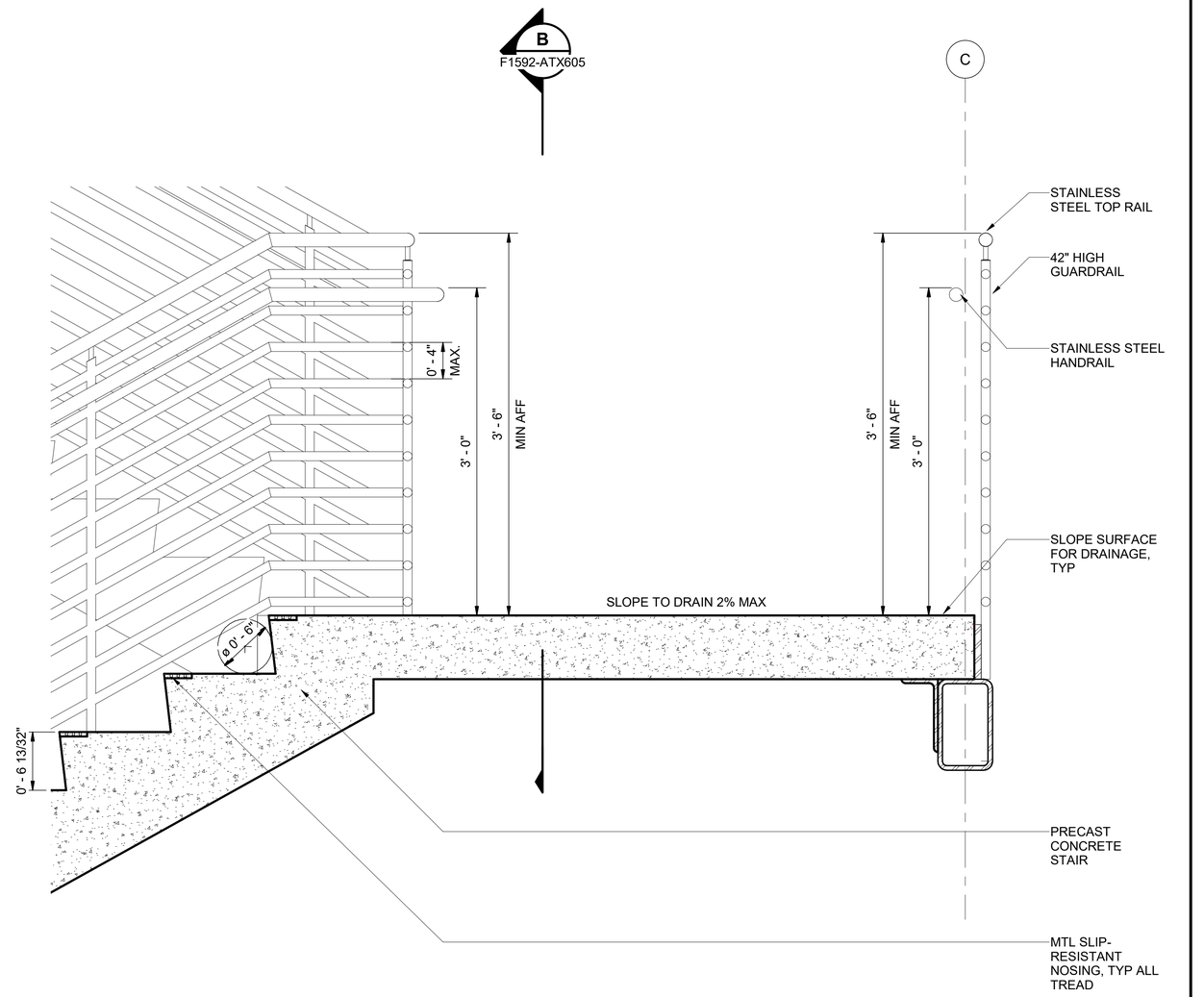
DRAWING No.: F1592-AVX611
FACILITY ID: F1592
SHEET No.: 361
REV.: 0



GARAGE - STAIR AT LANDING TYP.

SCALE: 1 1/2" = 1'-0"

1 F1592-ATX605



GARAGE - STAIR AT INTERMEDIATE LANDING TYP.

SCALE: 1 1/2" = 1'-0"

2 F1592-ATX605

1' 6" 3" 0 2'

SCALE IN FEET

6/21/2022 4:28:01 PM
C:\Users\nathaniels\Documents\S317-F1592-A-v2020_nathanielsPP4BW.RVT

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	CD	PC	BC	FINAL AS-BUILT

DESIGNED BY: C. DOMINGUEZ
DRAWN BY: M. BRYANT/ N. SMITH
CHECKED BY: P. CHUBB
APPROVED BY: B. CONNOLLY

MITHŪN
SUBMITTED BY: SARA ROBERTS

HENSEL PHELPS Plan. Build. Manage.
kpff
DATE: 10/26/2022
REVIEWED BY: GREG SHIMIZU

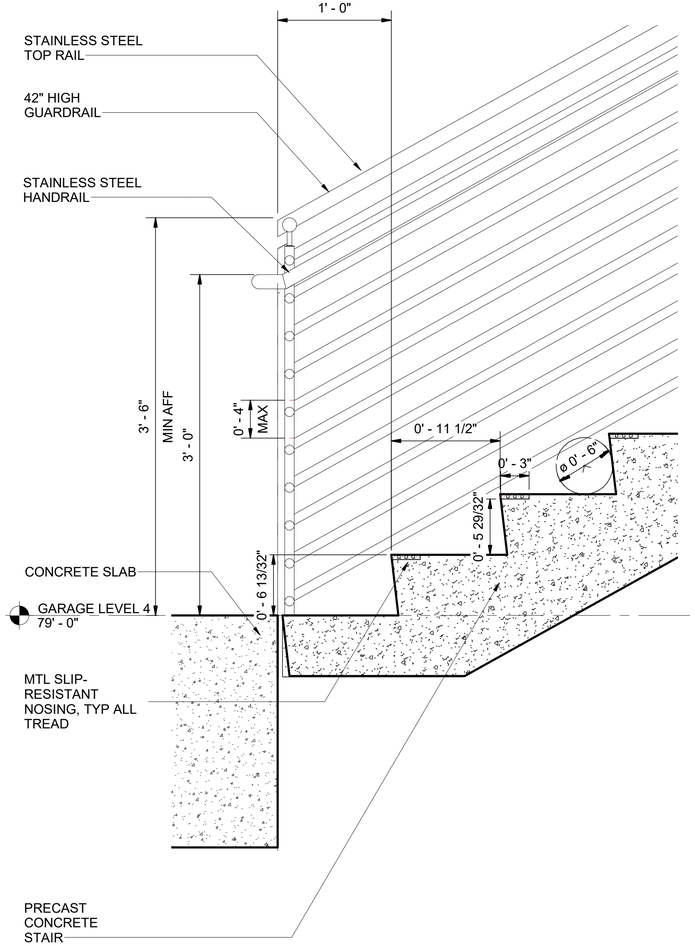
LINE IS 1" AT FULL SCALE

SOUNDTRANSIT
DATE: 10/26/2022

SCALE: 1 1/2" = 1'-0"
FILENAME: S317-F1592-A_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
ARCHITECTURAL
STAIR DETAILS

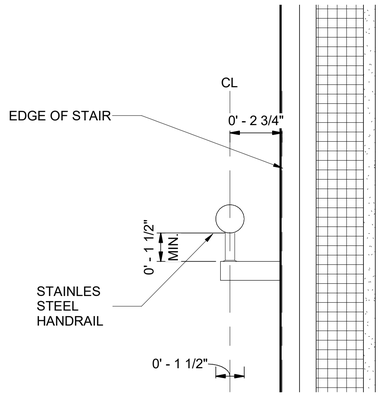
DRAWING No.: F1592-ATD611
FACILITY ID: F1592
SHEET No.: 362
REV: 0



GDR ATTACHMENT AT STAIR LANDING

SCALE: 1 1/2" = 1'-0"

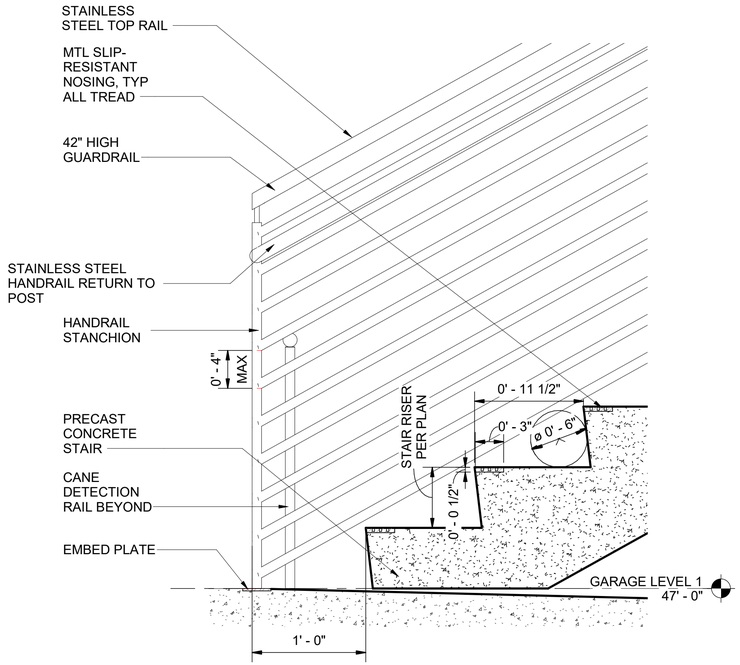
4



HDR WALL ATTACHMENT AT EAST ABUTMENT

SCALE: 3" = 1'-0"

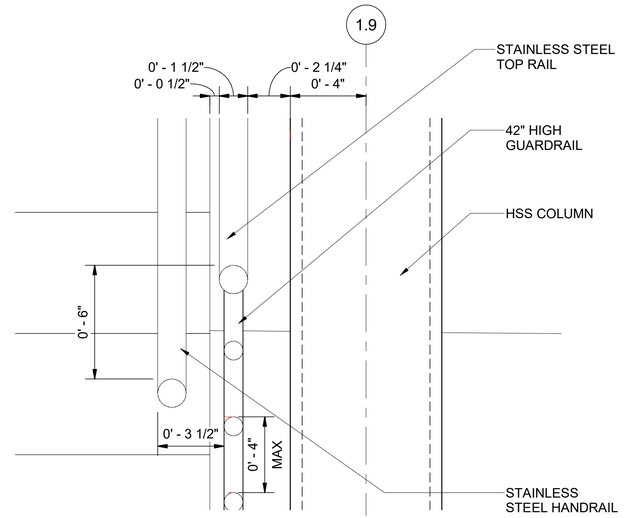
2



GDR AT STAIR BASE

SCALE: 1 1/2" = 1'-0"

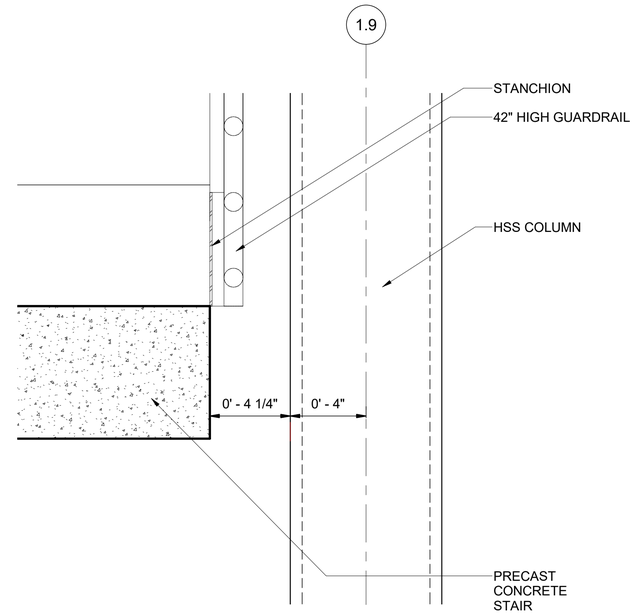
5



HDR AT STAIR GDR

SCALE: 3" = 1'-0"

3



GDR ATTACHMENT AT STAIR

SCALE: 3" = 1'-0"

6

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	CD	PC	BC	FINAL AS-BUILT

FINAL AS-BUILT

DESIGNED BY: C. DOMINGUEZ
DRAWN BY: M. BRYANT/ N. SMITH
CHECKED BY: P. CHUBB
APPROVED BY: B. CONNOLLY

MITHŪN

HENSEL PHELPS Plan. Build. Manage.
kpff

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT

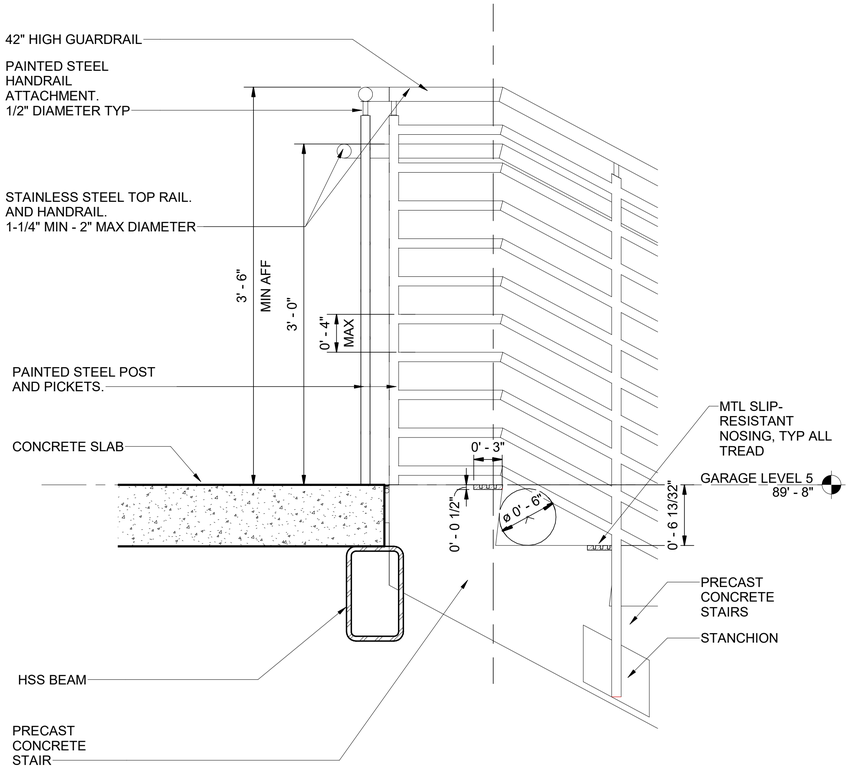
SUBMITTED BY: SARA ROBERTS
DATE: 10/26/2022
REVIEWED BY: GREG SHIMIZU
DATE: 10/26/2022

SCALE: AS NOTED
FILENAME: S317-F1592-A_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
ARCHITECTURAL
STAIR DETAILS

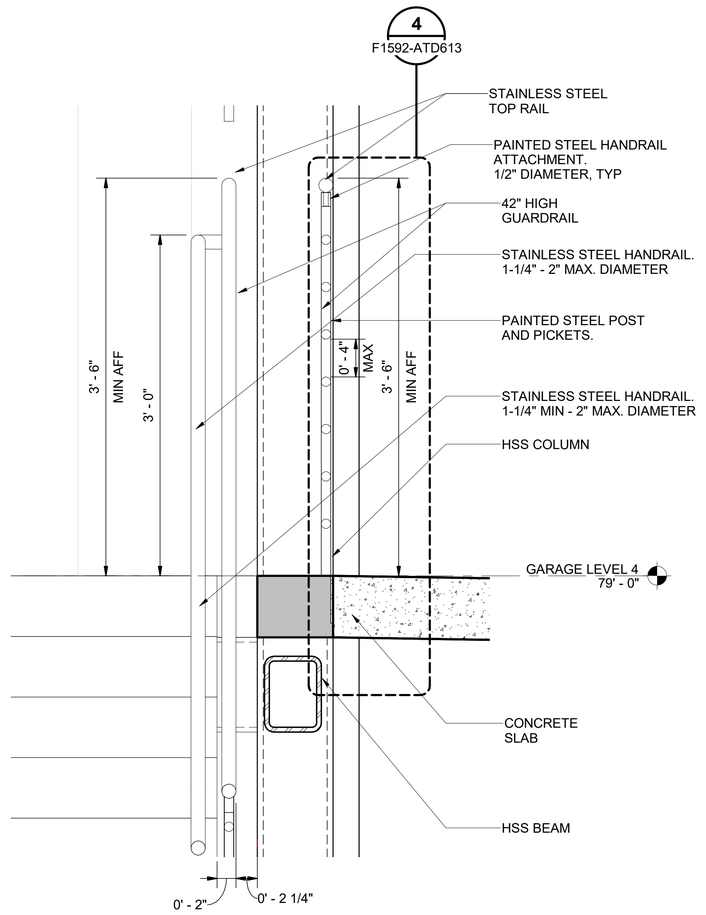
DRAWING No.: F1592-ATD612
FACILITY ID: F1592
SHEET No: 363
REV: 0

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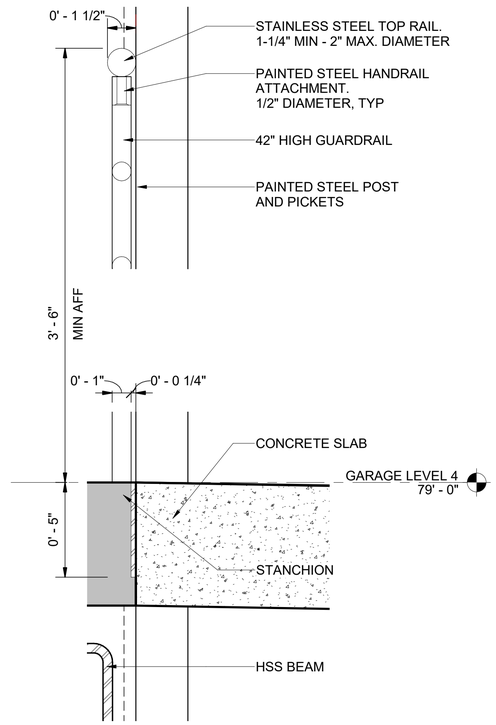
GDR ATTACHMENT AT STAIR HEAD — 1

SCALE: 1 1/2" = 1'-0"



GDR ATTACHMENT AT STAIR EDGE — 2

SCALE: 1 1/2" = 1'-0"



GDR ATTACHMENT AT SLAB EDGE — 4

SCALE: 3" = 1'-0"

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	CD	PC	BC	FINAL AS-BUILT

DESIGNED BY: C. DOMINGUEZ
DRAWN BY: M. BRYANT/ N. SMITH
CHECKED BY: P. CHUBB
APPROVED BY: B. CONNOLLY

MITHŪN — SUBMITTED BY: SARA ROBERTS

HENSEL PHELPS Plan. Build. Manage. / kpff — DATE: 10/26/2022 — REVIEWED BY: GREG SHIMIZU

LINE IS 1" AT FULL SCALE

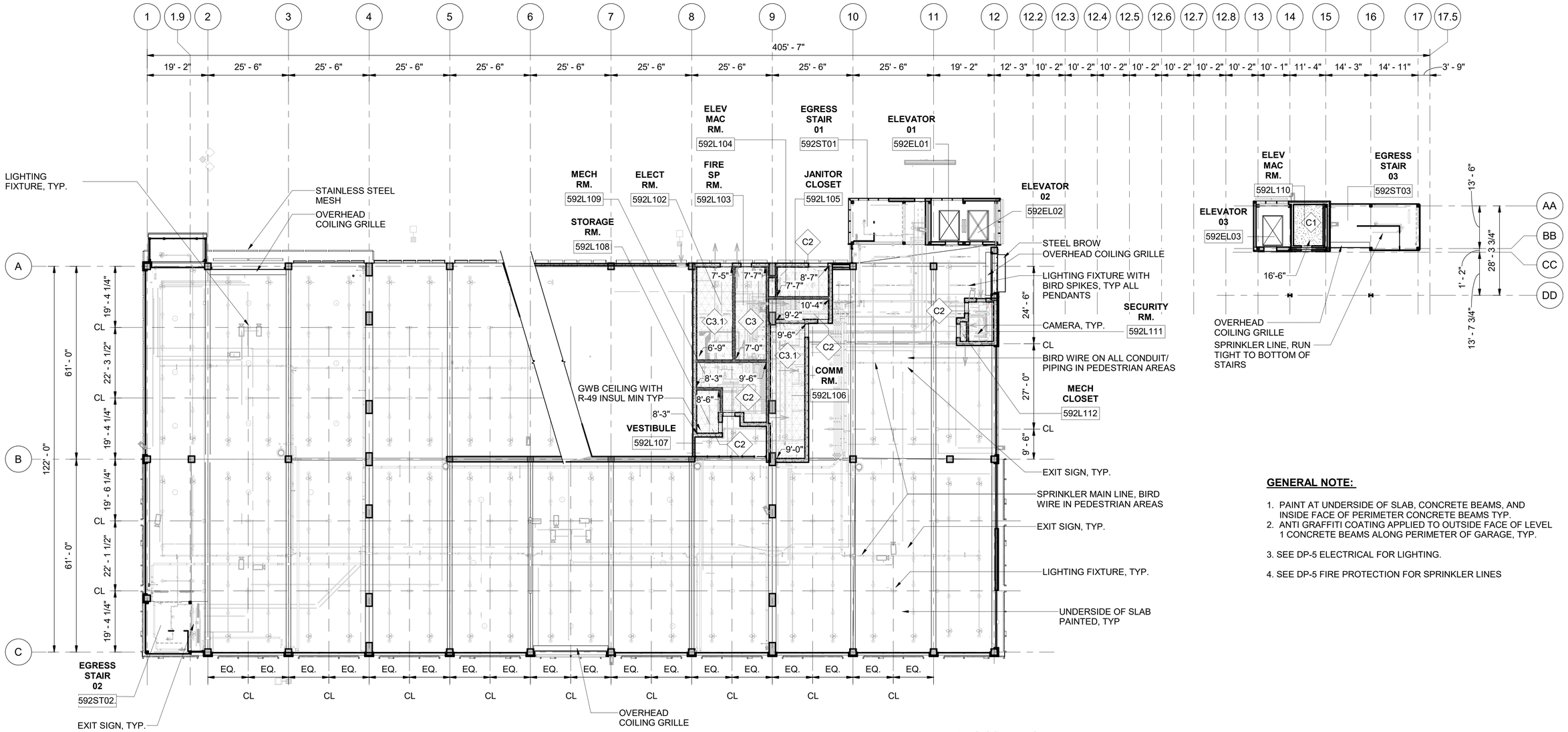
SOUNDTRANSIT — DATE: 10/26/2022

SCALE: AS NOTED
FILENAME: S317-F1592-A_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
ARCHITECTURAL
STAIR DETAILS

DRAWING No.: F1592-ATD613
FACILITY ID: F1592
SHEET No.: 364
REV.: 0

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GENERAL NOTE:

1. PAINT AT UNDERSIDE OF SLAB, CONCRETE BEAMS, AND INSIDE FACE OF PERIMETER CONCRETE BEAMS TYP.
2. ANTI GRAFFITI COATING APPLIED TO OUTSIDE FACE OF LEVEL 1 CONCRETE BEAMS ALONG PERIMETER OF GARAGE, TYP.
3. SEE DP-5 ELECTRICAL FOR LIGHTING.
4. SEE DP-5 FIRE PROTECTION FOR SPRINKLER LINES

BUILDING CODE LEGEND

- EXPOSED CONCRETE SLAB
- R-49 POLYURETHANE SPRAY FOAM INSULATION)
- EXPOSED METAL DECK, PAINTED TO MATCH STRUCTURAL STEEL
- MP-5 METAL PANEL CEILING
- GYPSUM WALLBOARD CEILING
- BIRD DETERRENT (BCD-2)

2' 0' 8' 16' 32'
SCALE IN FEET

N

6/21/2022 4:20:01 PM
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FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	CD	PC	BC	FINAL AS-BUILT

DESIGNED BY: C. DOMINGUEZ
DRAWN BY: M. BRYANT/ N. SMITH
CHECKED BY: P. CHUBB
APPROVED BY: B. CONNOLLY

MITHŪN
SUBMITTED BY: SARA ROBERTS

HENSEL PHELPS Plan. Build. Manage.
kpff
DATE: 10/26/2022

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT
REVIEWED BY: GREG SHIMIZU
DATE: 10/26/2022

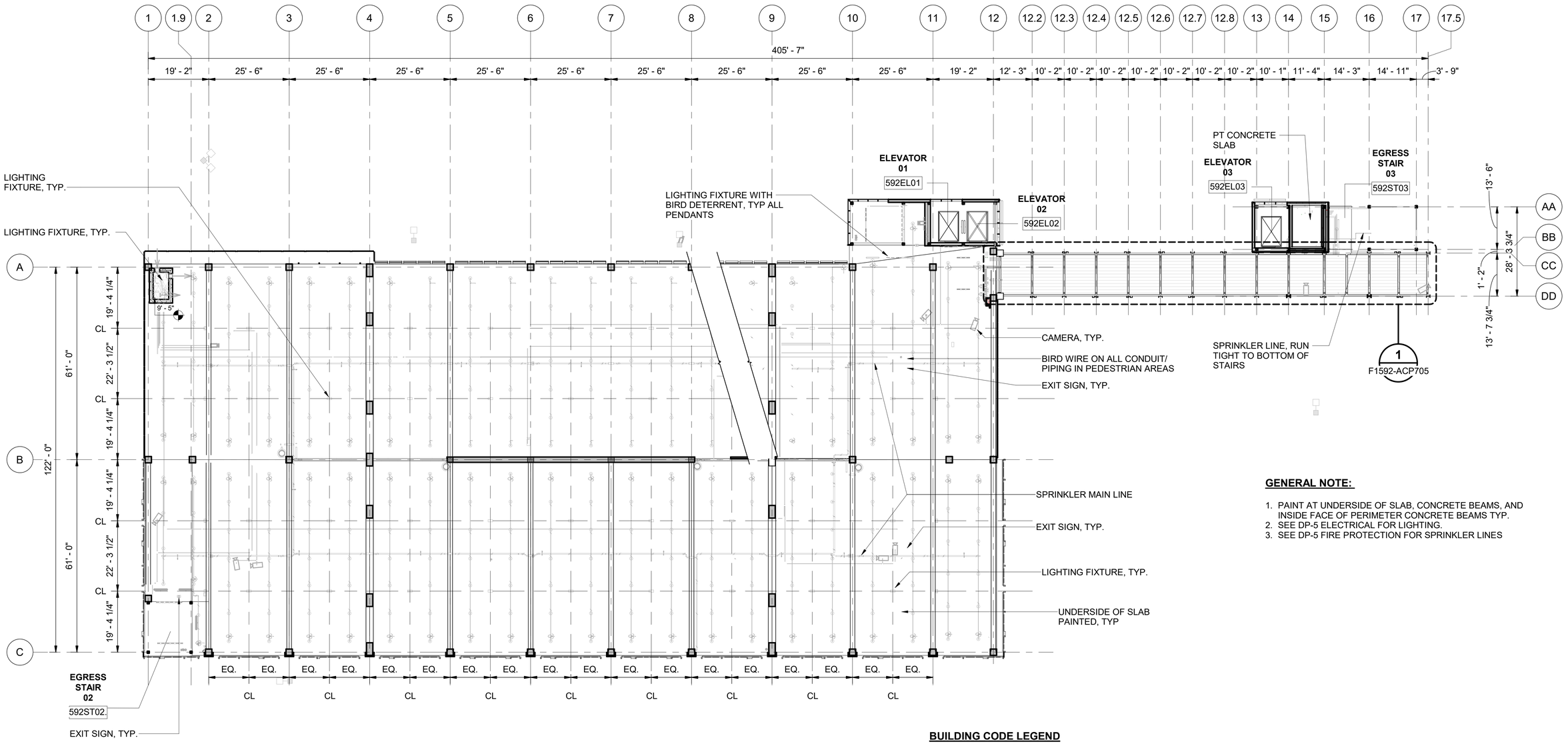
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FILENAME: S317-F1592-A_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS

ARCHITECTURAL

REFLECTED CEILING PLAN - LEVEL 1

DRAWING No.: F1592-ACP701
FACILITY ID: F1592
SHEET No.: 365
REV.: 0



GENERAL NOTE:

1. PAINT AT UNDERSIDE OF SLAB, CONCRETE BEAMS, AND INSIDE FACE OF PERIMETER CONCRETE BEAMS TYP.
2. SEE DP-5 ELECTRICAL FOR LIGHTING.
3. SEE DP-5 FIRE PROTECTION FOR SPRINKLER LINES

BUILDING CODE LEGEND

- EXPOSED CONCRETE SLAB
- R-49 POLYURETHANE SPRAY FOAM INSULATION)
- EXPOSED METAL DECK, PAINTED TO MATCH STRUCTURAL STEEL
- MP-5 METAL PANEL CEILING
- GYPSUM WALLBOARD CEILING
- BIRD DETERRENT (BCD-2)

2' 0' 8' 16' 32'
SCALE IN FEET

N

6/21/2022 4:20:06 PM
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FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	CD	PC	BC	FINAL AS-BUILT

DESIGNED BY: C. DOMINGUEZ
DRAWN BY: M. BRYANT/ N. SMITH
CHECKED BY: P. CHUBB
APPROVED BY: B. CONNOLLY

MITHŪN
SUBMITTED BY: SARA ROBERTS

HENSEL PHELPS Plan. Build. Manage.
kpff
DATE: 10/26/2022

LINE IS 1" AT FULL SCALE

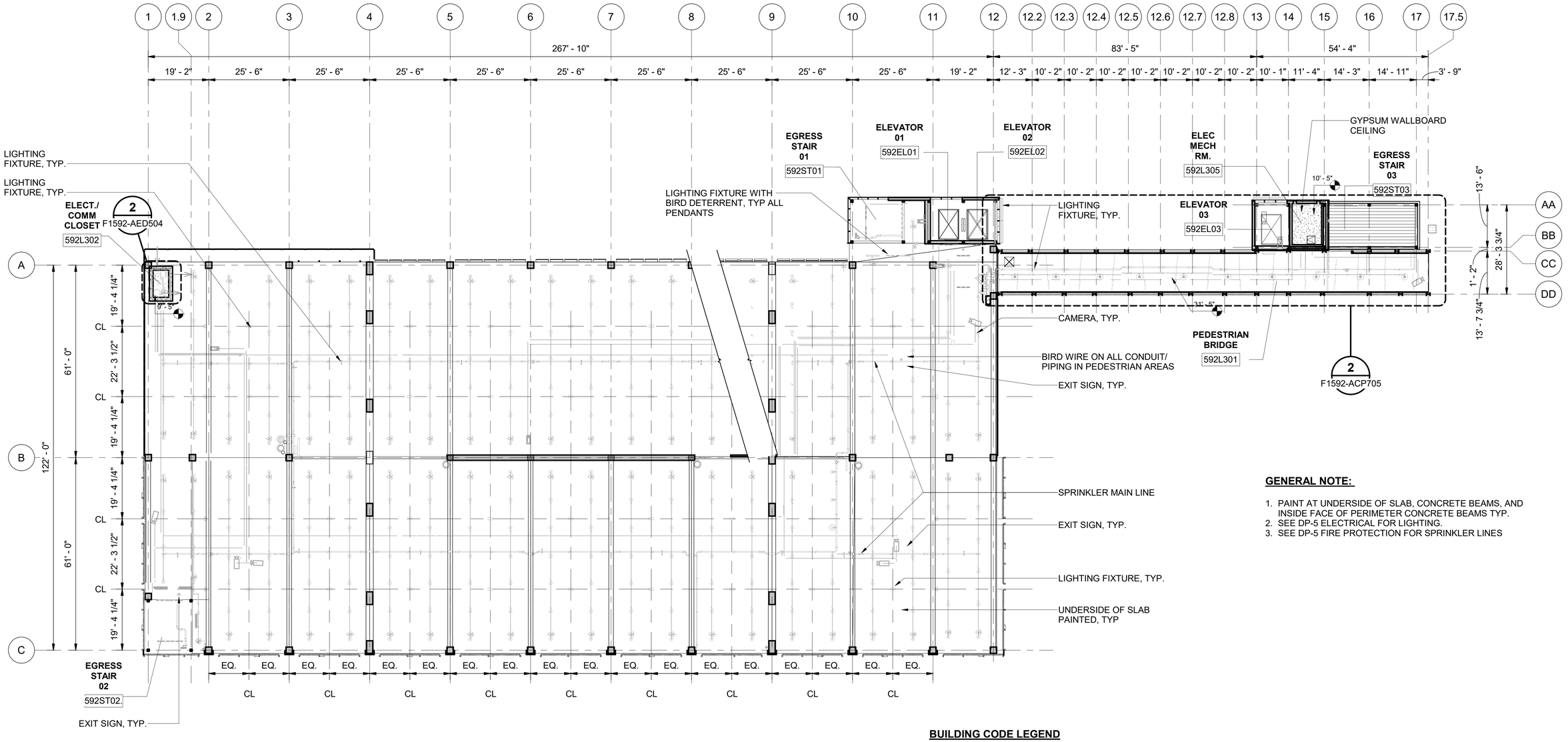
REVIEWED BY: GREG SHIMIZU

SOUNDTRANSIT
DATE: 10/26/2022

SCALE: 1/16" = 1'-0"
FILENAME: S317-F1592-A_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
ARCHITECTURAL
REFLECTED CEILING PLAN - LEVEL 2

DRAWING No.: F1592-ACP702
FACILITY ID: F1592
SHEET No: 366
REV: 0



GENERAL NOTE:

1. PAINT AT UNDERSIDE OF SLAB, CONCRETE BEAMS, AND INSIDE FACE OF PERIMETER CONCRETE BEAMS TYP.
2. SEE DP-5 ELECTRICAL FOR LIGHTING.
3. SEE DP-5 FIRE PROTECTION FOR SPRINKLER LINES

BUILDING CODE LEGEND

- EXPOSED CONCRETE SLAB
- R-49 POLYURETHANE SPRAY FOAM INSULATION)
- EXPOSED METAL DECK, PAINTED TO MATCH STRUCTURAL STEEL
- MP-5 METAL PANEL CEILING
- GYPSUM WALLBOARD CEILING
- BIRD DETERRENT (BCD-2)

2' 0' 8' 16' 32'
SCALE IN FEET

N

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FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	CD	PC	BC	FINAL AS-BUILT

DESIGNED BY: C. DOMINGUEZ
DRAWN BY: M. BRYANT/ N. SMITH
CHECKED BY: P. CHUBB
APPROVED BY: B. CONNOLLY

MITHŪN
SUBMITTED BY: SARA ROBERTS

HENSEL PHELPS Plan. Build. Manage.
kpff
DATE: 10/26/2022

LINE IS 1" AT FULL SCALE

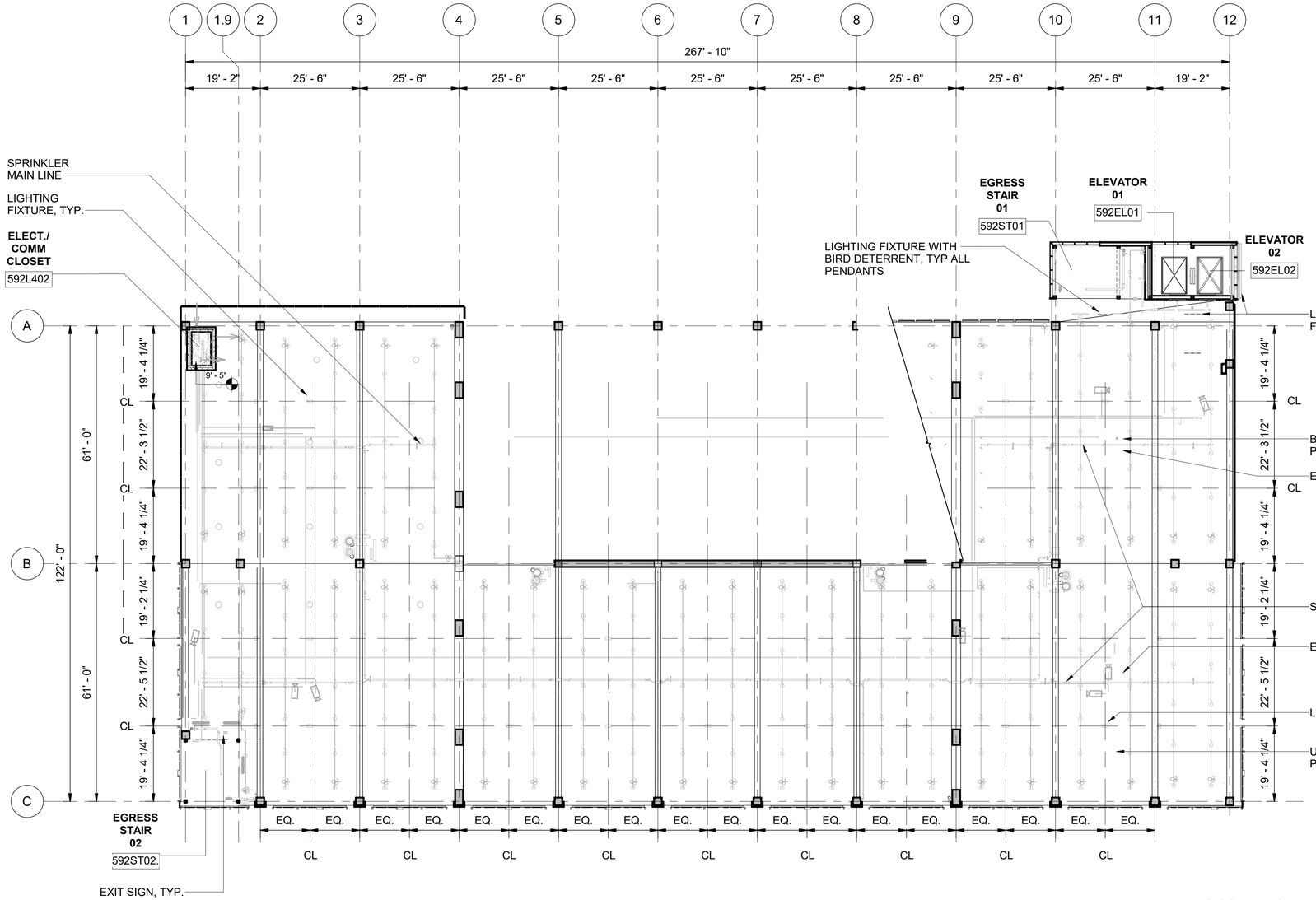
REVIEWED BY: GREG SHIMIZU

SOUNDTRANSIT
DATE: 10/26/2022

SCALE: 1/16" = 1'-0"
FILENAME: S317-F1592-A_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
ARCHITECTURAL
REFLECTED CEILING PLAN - LEVEL 3

DRAWING No.: F1592-ACP703
FACILITY ID: F1592
SHEET No: 367
REV: 0

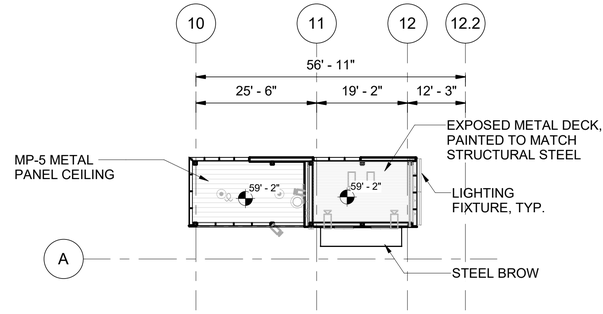


GARAGE LEVEL 4

SCALE: 1/16" = 1'-0"

1

-



GARAGE LEVEL 5 NORTH TOWER

SCALE: 1/16" = 1'-0"

2

F1592-AAE010

GARAGE LEVEL 5 WEST TOWER

SCALE: 1/16" = 1'-0"

3

F1592-AAE010

GENERAL NOTE:

1. PAINT AT UNDERSIDE OF SLAB, CONCRETE BEAMS, AND INSIDE FACE OF PERIMETER CONCRETE BEAMS TYP.
2. SEE DP-5 ELECTRICAL FOR LIGHTING.
3. SEE DP-5 FIRE PROTECTION FOR SPRINKLER LINES

BUILDING CODE LEGEND

- EXPOSED CONCRETE SLAB
- R-49 POLYURETHANE SPRAY FOAM INSULATION)
- EXPOSED METAL DECK, PAINTED TO MATCH STRUCTURAL STEEL
- MP-5 METAL PANEL CEILING
- GYPSUM WALLBOARD CEILING
- BIRD DETERRENT (BCD-2)

2' 0' 8' 16' 32'

SCALE IN FEET

N

6/21/2022 4:20:16 PM
C:\Users\nathaniels\Documents\S317-F1592-A-v2020_nathanielsPP4BW.RVT

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	CD	PC	BC	FINAL AS-BUILT

DESIGNED BY: C. DOMINGUEZ
DRAWN BY: M. BRYANT/ N. SMITH
CHECKED BY: P. CHUBB
APPROVED BY: B. CONNOLLY

MITHŪN
SUBMITTED BY: SARA ROBERTS

HENSEL PHELPS Plan. Build. Manage.
kpff
DATE: 10/26/2022

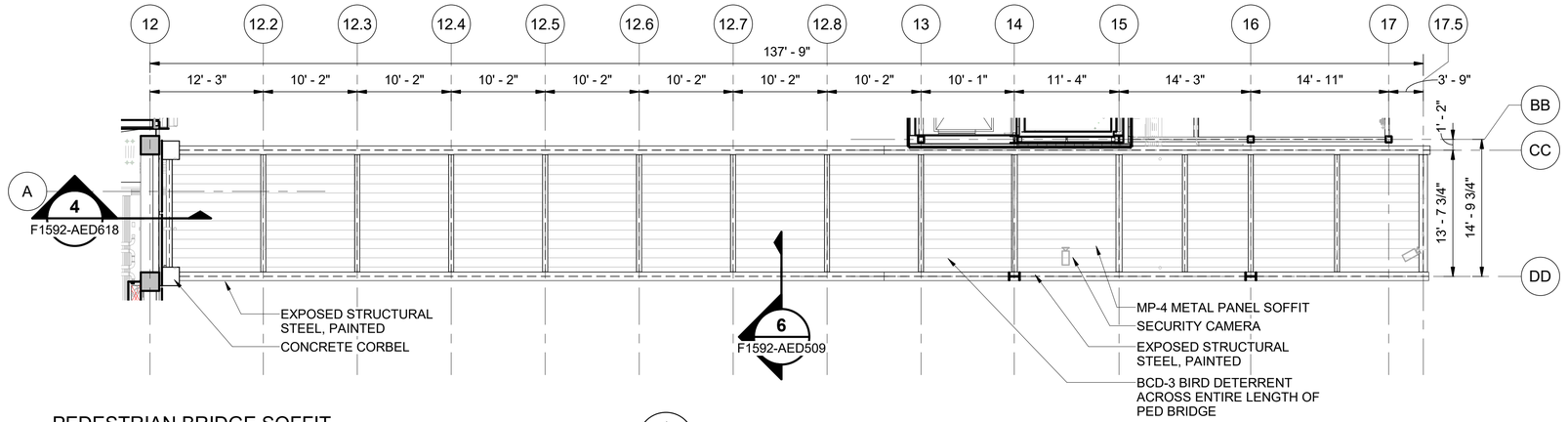
LINE IS 1" AT FULL SCALE

SOUNDTRANSIT
REVIEWED BY: GREG SHIMIZU
DATE: 10/26/2022

SCALE: 1/16" = 1'-0"
FILENAME: S317-F1592-A_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
ARCHITECTURAL
REFLECTED CEILING PLAN - LEVEL 4 & 5

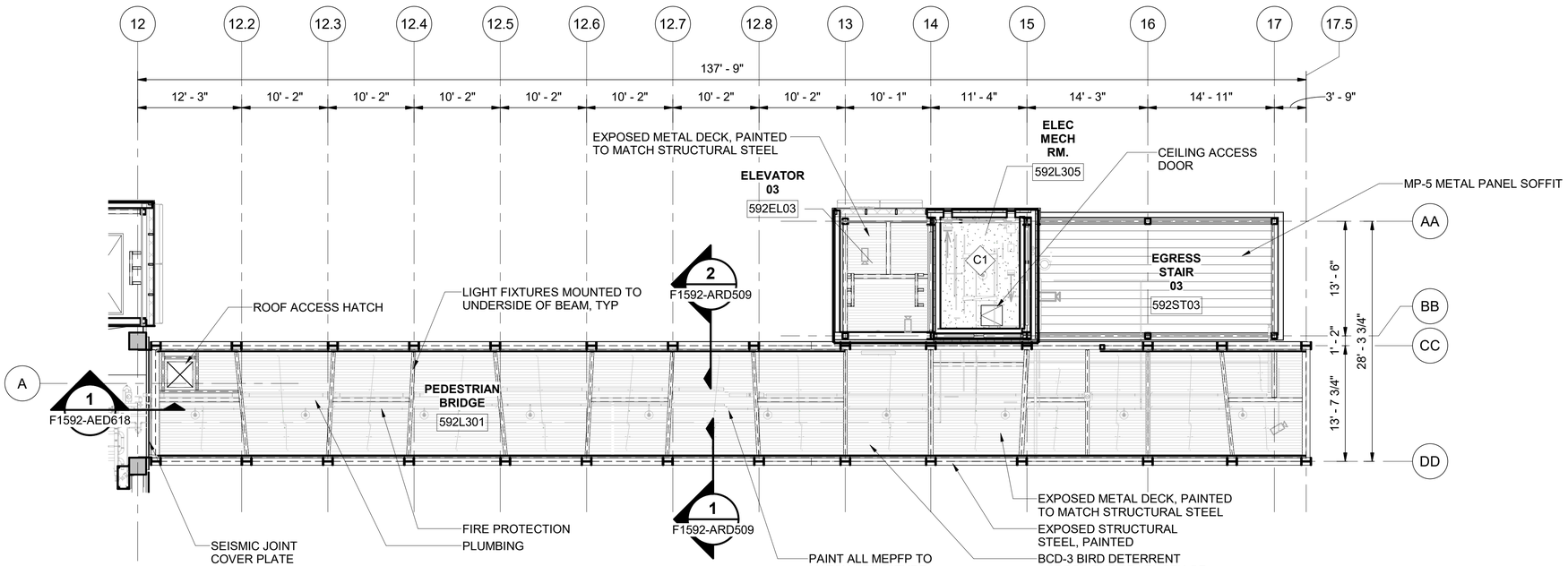
DRAWING No.: F1592-ACP704
FACILITY ID: F1592
SHEET No: 368
REV: 0



PEDESTRIAN BRIDGE SOFFIT

SCALE: 1/8" = 1'-0"

1
F1592-ACP702



PEDESTRIAN BRIDGE CEILING

SCALE: 1/8" = 1'-0"

2
F1592-ACP703

1'0 4' 8' 16'
SCALE IN FEET

N

6/21/2022 4:20:19 PM
C:\Users\nathaniels\Documents\S317-F1592-A-v2020_nathanielsPP4BW.RVT

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	CD	PC	BC	FINAL AS-BUILT

DESIGNED BY: C. DOMINGUEZ
DRAWN BY: M. BRYANT/ N. SMITH
CHECKED BY: P. CHUBB
APPROVED BY: B. CONNOLLY

MITHŪN
SUBMITTED BY: SARA ROBERTS

HENSEL PHELPS Plan. Build. Manage.
kpff
DATE: 10/26/2022
REVIEWED BY: GREG SHIMIZU

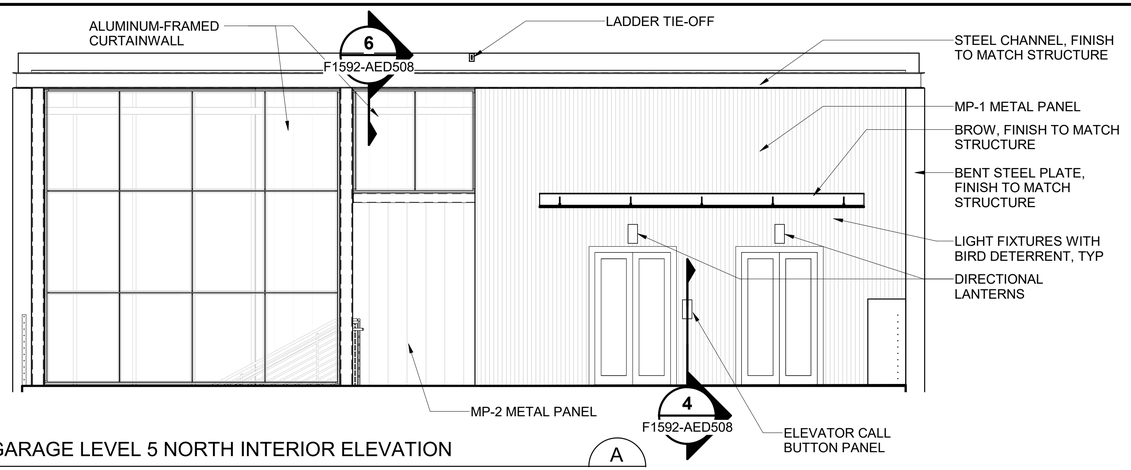
LINE IS 1" AT FULL SCALE

SOUNDTRANSIT
DATE: 10/26/2022

SCALE: 1/8" = 1'-0"
FILENAME: S317-F1592-A_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
ARCHITECTURAL
REFLECTED CEILING PLAN - PED BRIDGE SOFFIT

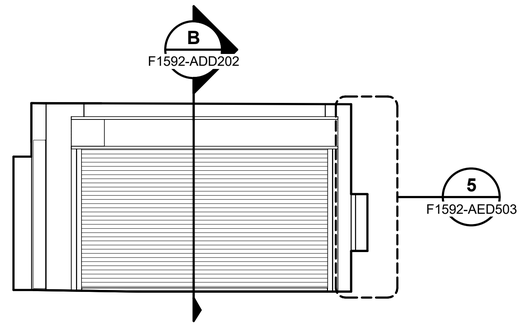
DRAWING No.: F1592-ACP705
FACILITY ID: F1592
SHEET No.: 369
REV.: 0



GARAGE LEVEL 5 NORTH INTERIOR ELEVATION

SCALE: 1/4" = 1'-0"

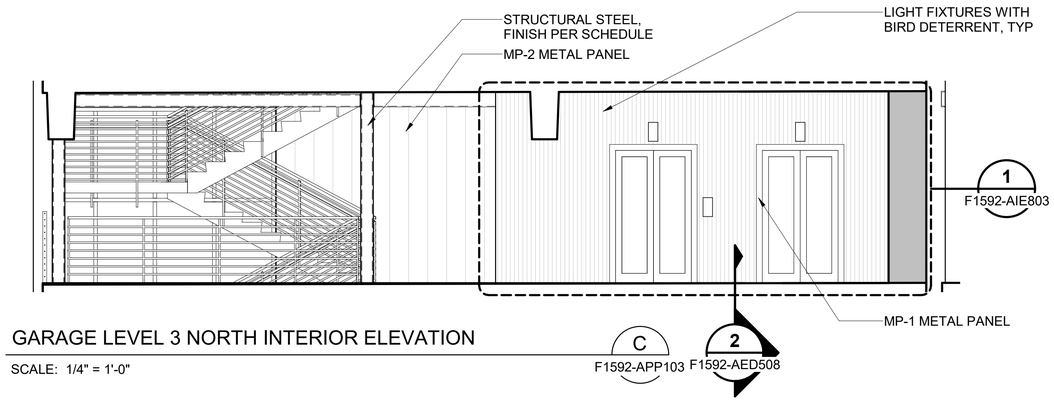
A
F1592-ATP602



EAST ENTRY - INTERIOR ELEVATION

SCALE: 1/4" = 1'-0"

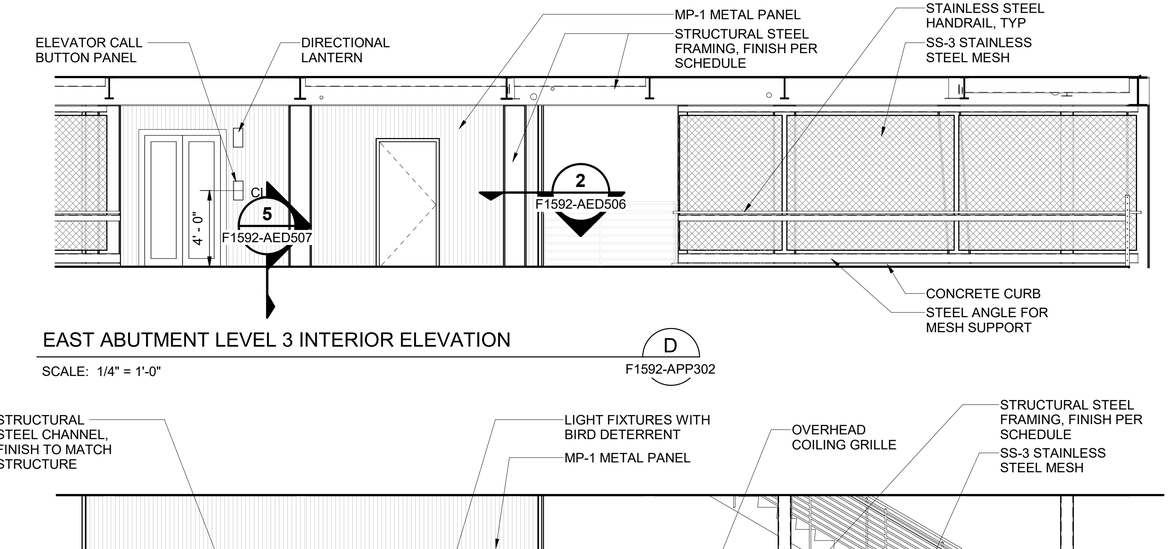
B
F1592-APP103



GARAGE LEVEL 3 NORTH INTERIOR ELEVATION

SCALE: 1/4" = 1'-0"

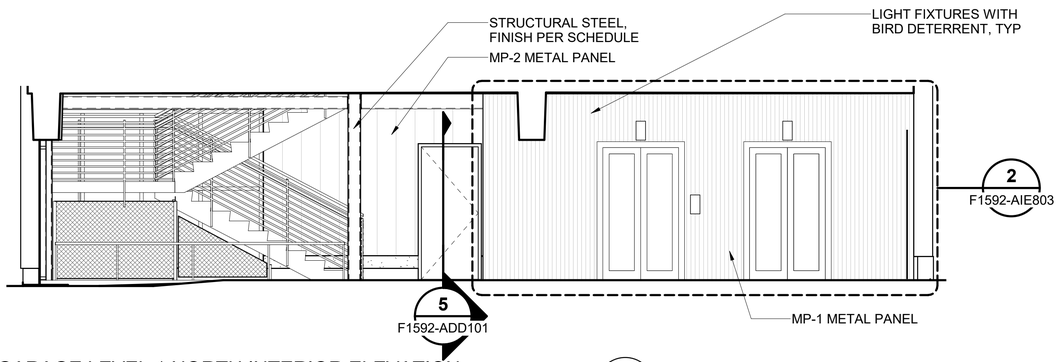
C
F1592-APP103



EAST ABUTMENT LEVEL 3 INTERIOR ELEVATION

SCALE: 1/4" = 1'-0"

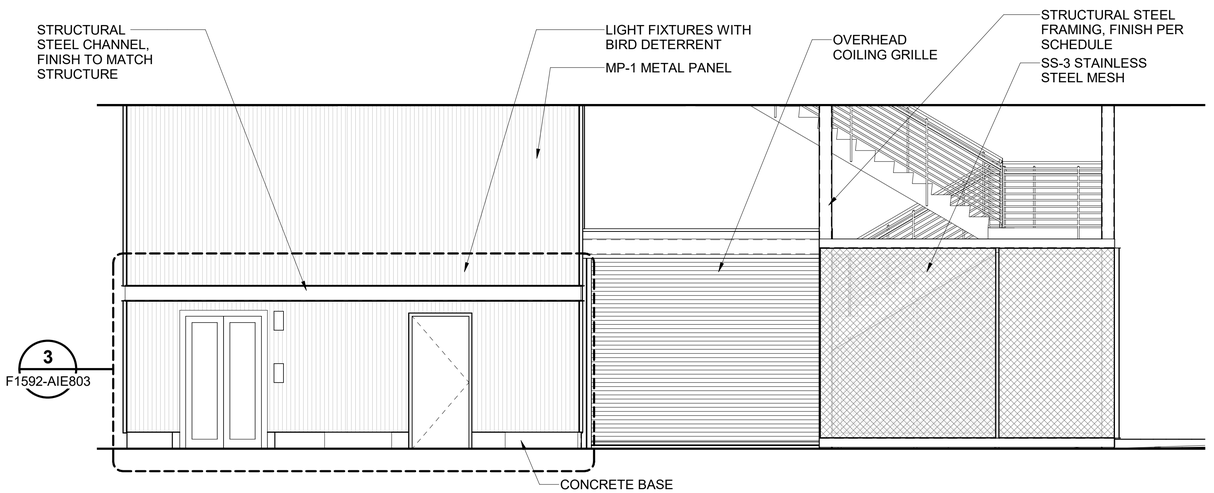
D
F1592-APP302



GARAGE LEVEL 1 NORTH INTERIOR ELEVATION

SCALE: 1/4" = 1'-0"

E
F1592-APP103



EAST ABUTMENT LEVEL 1 INTERIOR ELEVATION

SCALE: 1/4" = 1'-0"

F
F1592-APP102

1' 0 2' 4' 8'

SCALE IN FEET

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	CD	PC	BC	FINAL AS-BUILT

DESIGNED BY: C. DOMINGUEZ
DRAWN BY: M. BRYANT/ N. SMITH
CHECKED BY: P. CHUBB
APPROVED BY: B. CONNOLLY

MITHŪN
SUBMITTED BY: SARA ROBERTS

HENSEL PHELPS Plan. Build. Manage.
kpff
DATE: 10/26/2022
REVIEWED BY: GREG SHIMIZU

LINE IS 1" AT FULL SCALE

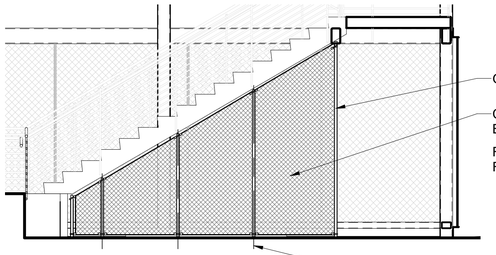
SOUNDTRANSIT
DATE: 10/26/2022

SCALE: 1/4" = 1'-0"
FILENAME: S317-F1592-A_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
ARCHITECTURAL
INTERIOR ELEVATIONS

DRAWING No.: **F1592-AIE801**
FACILITY ID: F1592
SHEET No: 370
REV: 0

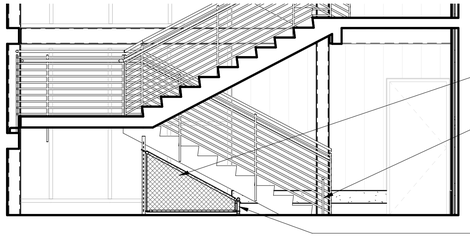
6/21/2022 4:24:39 PM
C:\Users\nathaniels\Documents\S317-F1592-A-v2020_nathanielsPP4BW.RVT



ENCLOSURE BELOW EA STAIR

SCALE: 1/4" = 1'-0"

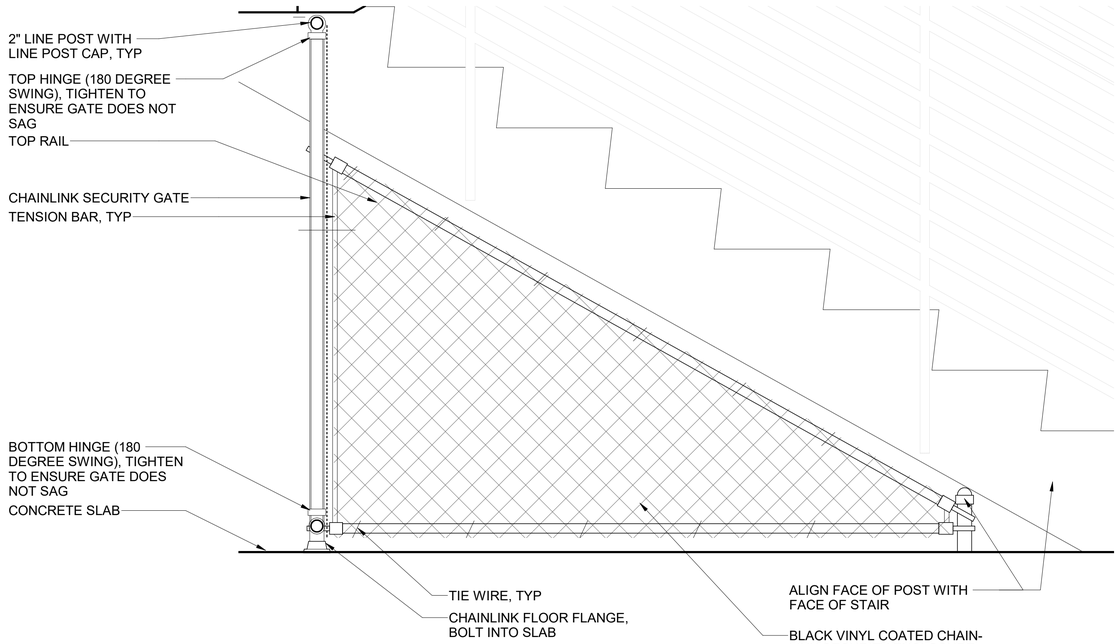
A — F1592-APP102



ENCLOSURE BELOW NORTH STAIRS

SCALE: 1/4" = 1'-0"

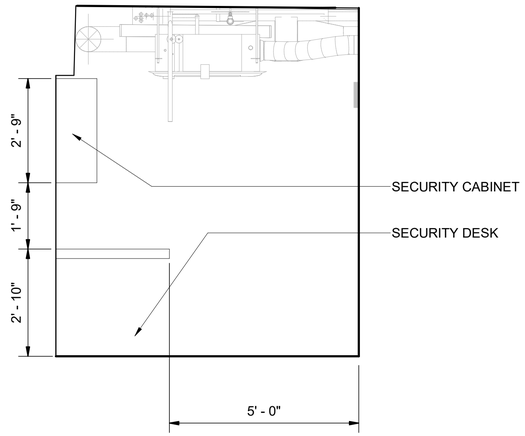
B — F1592-APP103



ENCLOSURE BELOW SW STAIR

SCALE: 1 1/2" = 1'-0"

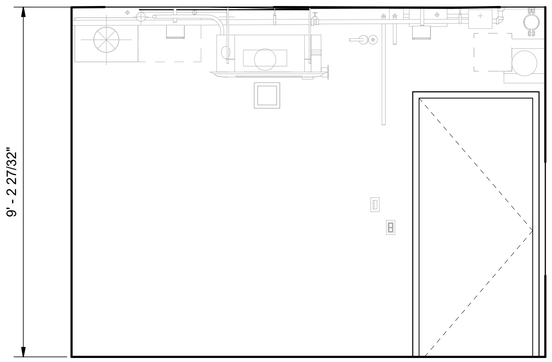
C — F1592-ATP601



SECURITY RM. SOUTH INTERIOR ELEVATION

SCALE: 1/2" = 1'-0"

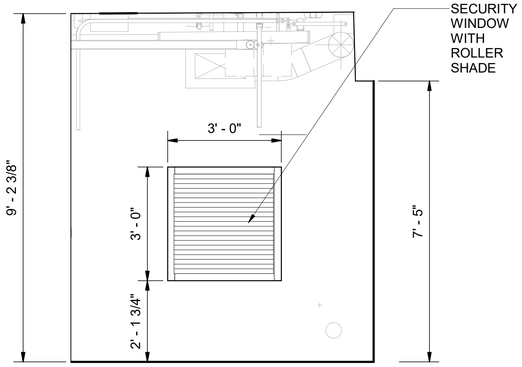
D — -



SECURITY RM. WEST INTERIOR ELEVATION

SCALE: 1/2" = 1'-0"

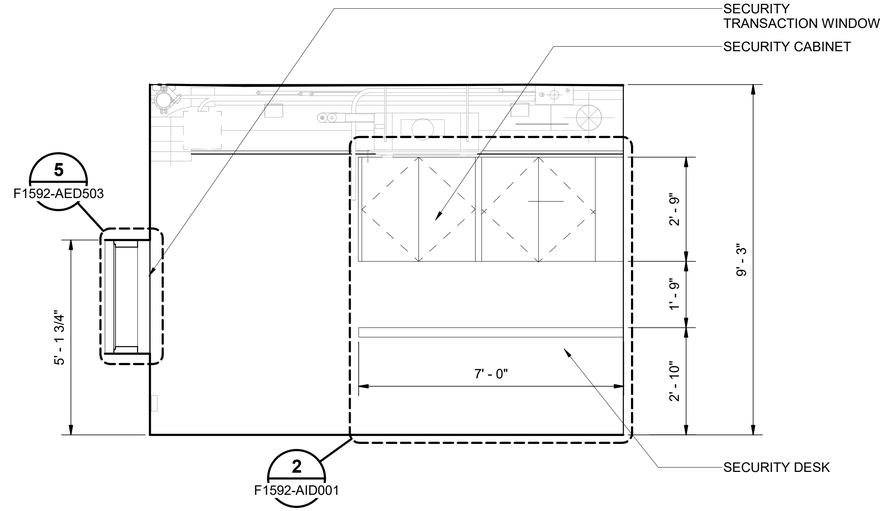
E — -



SECURITY RM. NORTH INTERIOR ELEVATION

SCALE: 1/2" = 1'-0"

F — -



SECURITY RM. EAST INTERIOR ELEVATION

SCALE: 1/2" = 1'-0"

G — -

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	CD	PC	BC	FINAL AS-BUILT

DESIGNED BY: C. DOMINGUEZ
DRAWN BY: M. BRYANT/ N. SMITH
CHECKED BY: P. CHUBB
APPROVED BY: B. CONNOLLY

MITHŪN — SUBMITTED BY: SARA ROBERTS

HENSEL PHELPS Plan. Build. Manage. kpff — DATE: 10/26/2022 — REVIEWED BY: GREG SHIMIZU

LINE IS 1" AT FULL SCALE

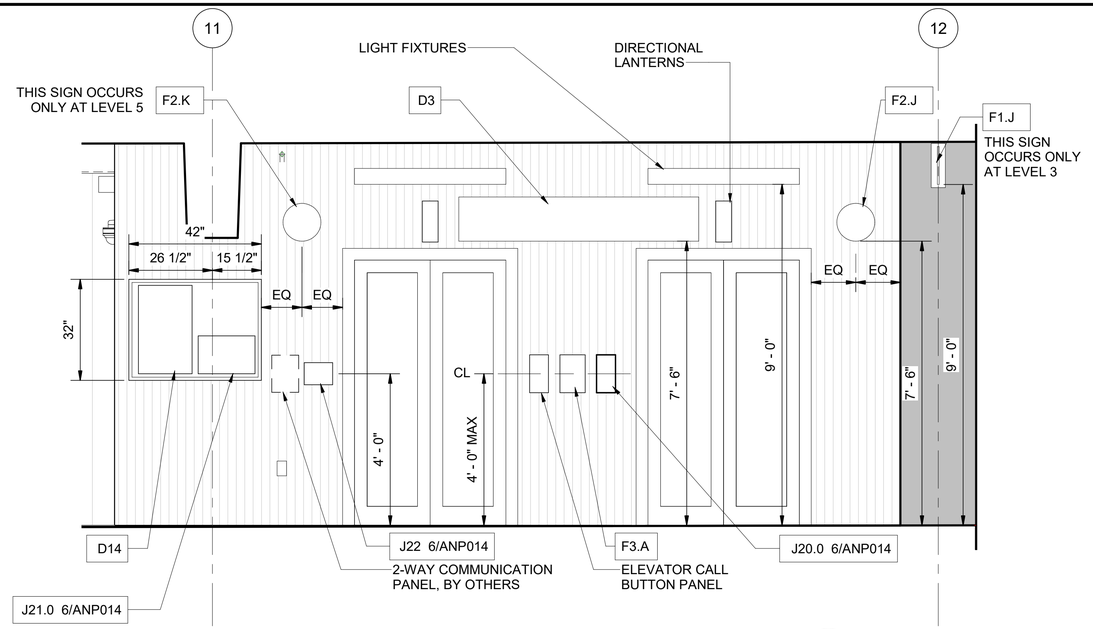
SOUNDTRANSIT — DATE: 10/26/2022

SCALE: AS NOTED
FILENAME: S317-F1592-A_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
ARCHITECTURAL
INTERIOR ELEVATIONS

DRAWING No.: F1592-AIE802
FACILITY ID: F1592
SHEET No.: 371
REV.: 0

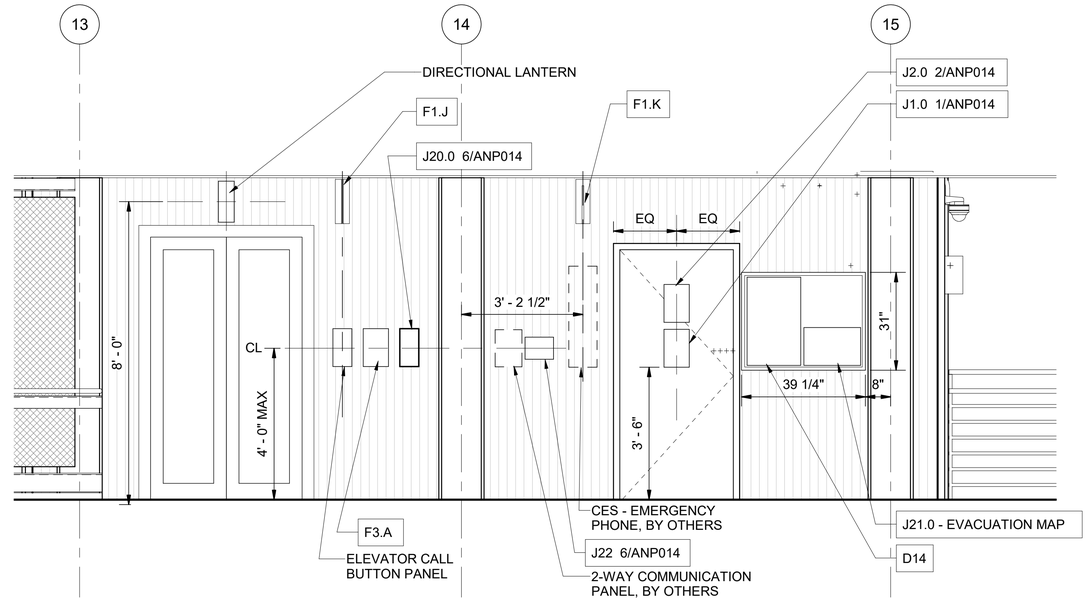
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ELEVATOR LOBBY SIGNAGE LEVELS 2 - 5, TYP.

SCALE: 1/2" = 1'-0"

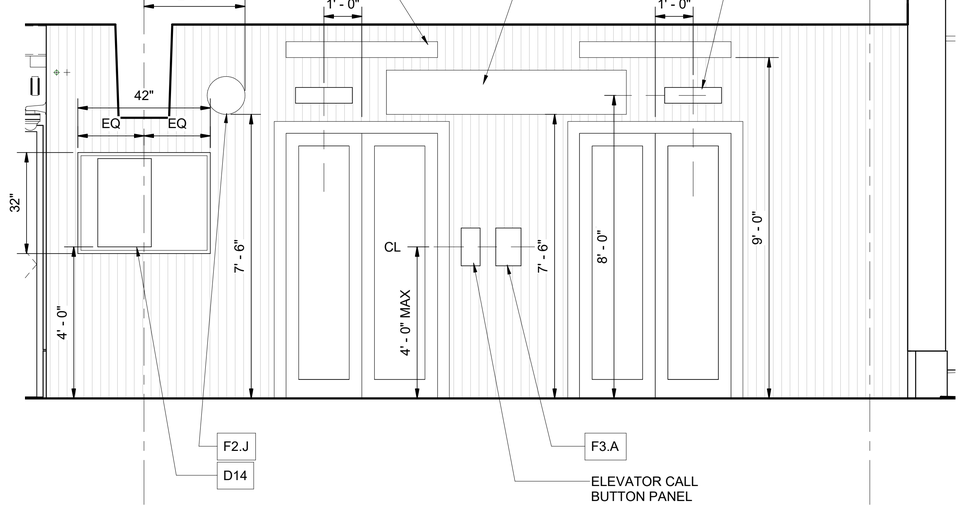
1 F1592-AIE801



ELEVATOR LOBBY - EAST ABUTMENT LEVEL 3 SIGNAGE

SCALE: 1/2" = 1'-0"

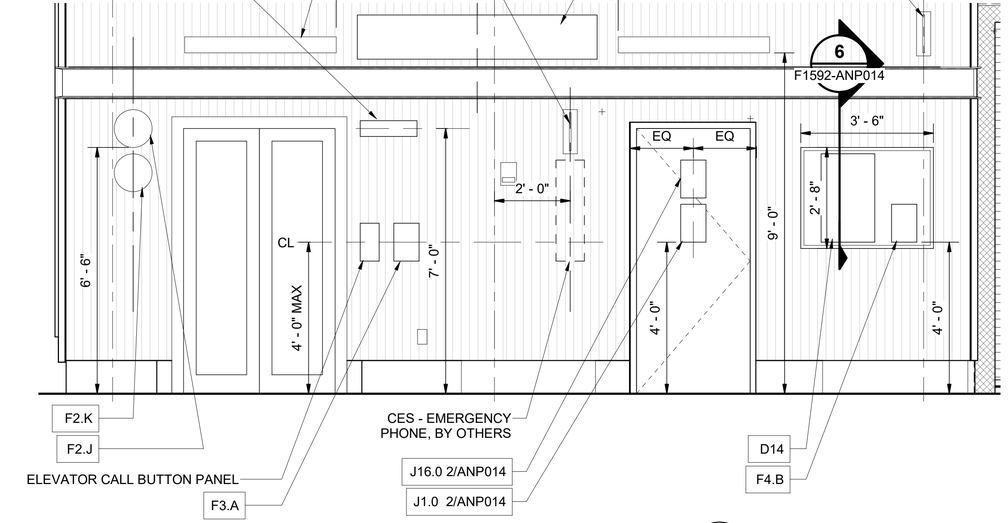
4 F1592-ANP008



LEVEL 1 ELEVATOR LOBBY SIGNAGE

SCALE: 1/2" = 1'-0"

2 F1592-AIE801



ELEVATOR LOBBY - EAST ABUTMENT LEVEL 1 SIGNAGE

SCALE: 1/2" = 1'-0"

3 F1592-AIE801

0' 1 2' 4'

SCALE IN FEET

6/21/2022 4:24:47 PM
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FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	CD	PC	BC	FINAL AS-BUILT

DESIGNED BY: C. DOMINGUEZ
DRAWN BY: M. BRYANT/ N. SMITH
CHECKED BY: P. CHUBB
APPROVED BY: B. CONNOLLY

MITHŪN
SUBMITTED BY: SARA ROBERTS

HENSEL PHELPS Plan. Build. Manage.
kpff
DATE: 10/26/2022
REVIEWED BY: GREG SHIMIZU

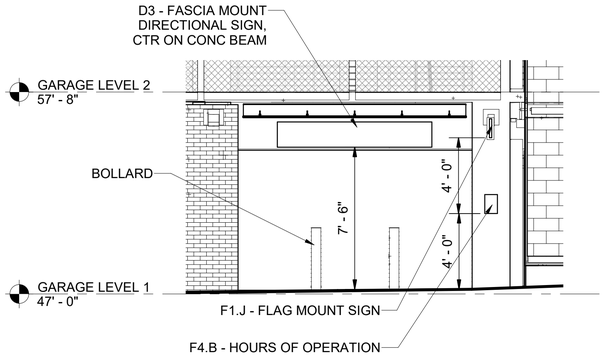
LINE IS 1" AT FULL SCALE

SOUNDTRANSIT
DATE: 10/26/2022

SCALE: 1/2" = 1'-0"
FILENAME: S317-F1592-A_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

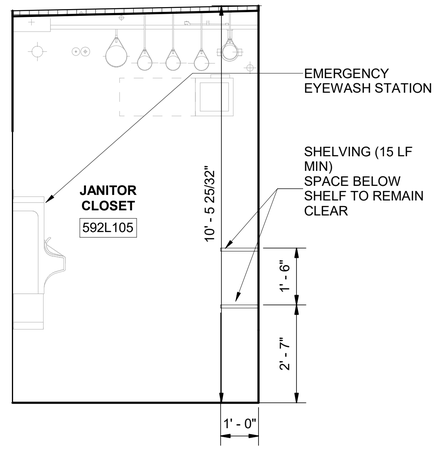
PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
ARCHITECTURAL
INTERIOR ELEVATIONS

DRAWING No.: F1592-AIE803
FACILITY ID: F1592
SHEET No.: 372
REV.: 0



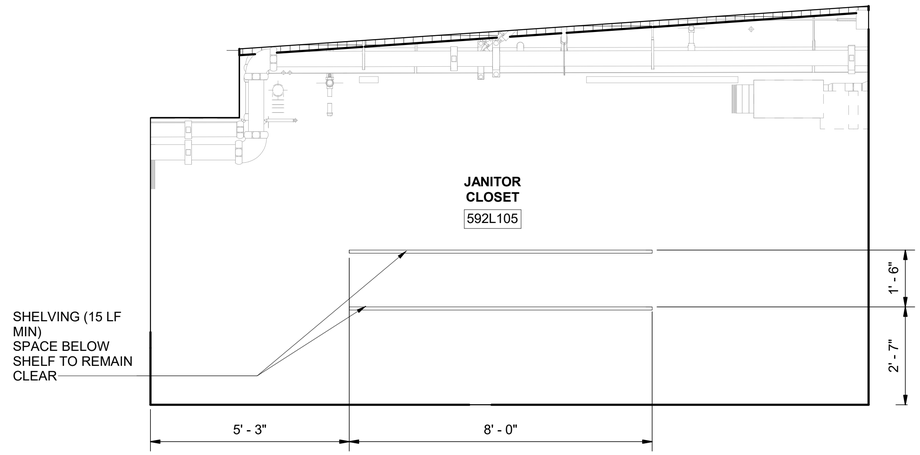
5TH STREET PEDESTRIAN ENTRANCE SIGNAGE — 1 / F1592-ANP001

SCALE: 1/4" = 1'-0"



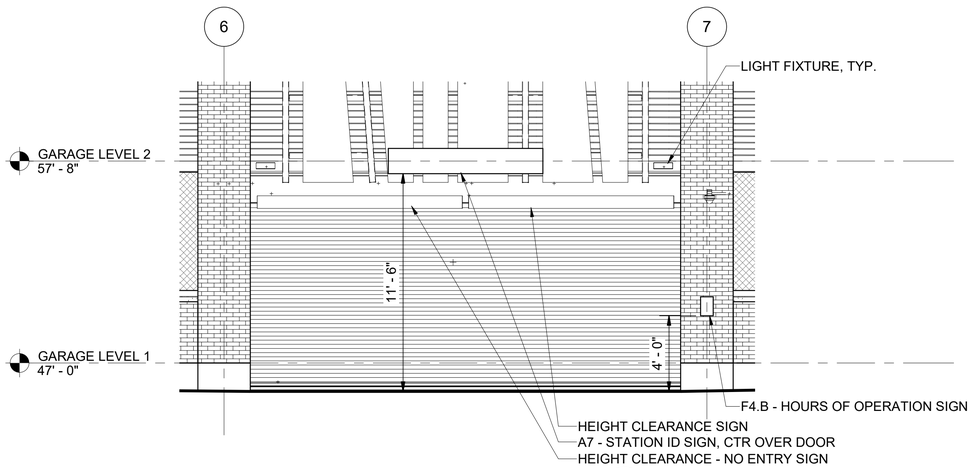
NEW JANITOR CLOSET NS SECTION — 2 / -

SCALE: 1/2" = 1'-0"



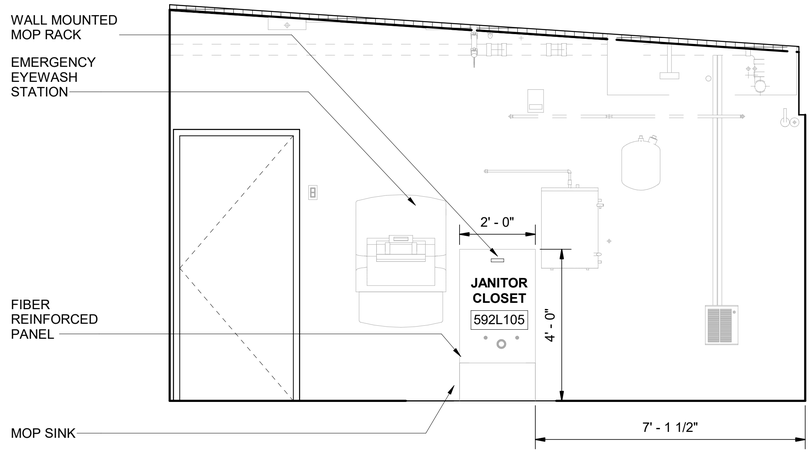
JANITOR CLOSET EW SECTION NORTH — 3 / -

SCALE: 1/2" = 1'-0"



SOUTH VEHICLE ENTRANCE SIGNAGE — 4 / F1592-ANP001

SCALE: 1/4" = 1'-0"



JANITOR CLOSET EW SECTION SOUTH — 5 / -

SCALE: 1/2" = 1'-0"

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	CD	PC	BC	FINAL AS-BUILT

DESIGNED BY: C. DOMINGUEZ
DRAWN BY: M. BRYANT/ N. SMITH
CHECKED BY: P. CHUBB
APPROVED BY: B. CONNOLLY

MITHŪN — SUBMITTED BY: SARA ROBERTS

HENSEL PHELPS Plan. Build. Manage. / kpff — DATE: 10/26/2022 — REVIEWED BY: GREG SHIMIZU

LINE IS 1" AT FULL SCALE

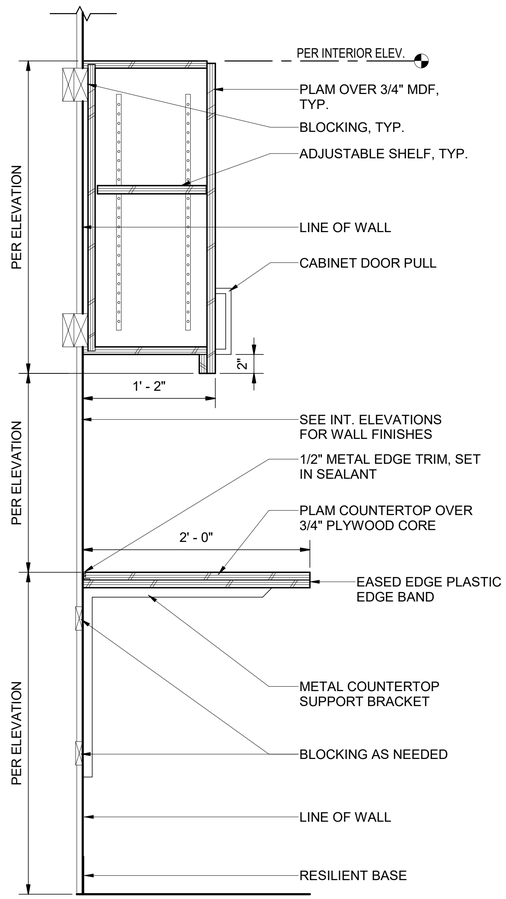
SOUNDTRANSIT — DATE: 10/26/2022

SCALE: AS NOTED
FILENAME: S317-F1592-A_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
ARCHITECTURAL
INTERIOR ELEVATIONS

DRAWING No.: F1592-AIE804
FACILITY ID: F1592
SHEET No: 373
REV: 0

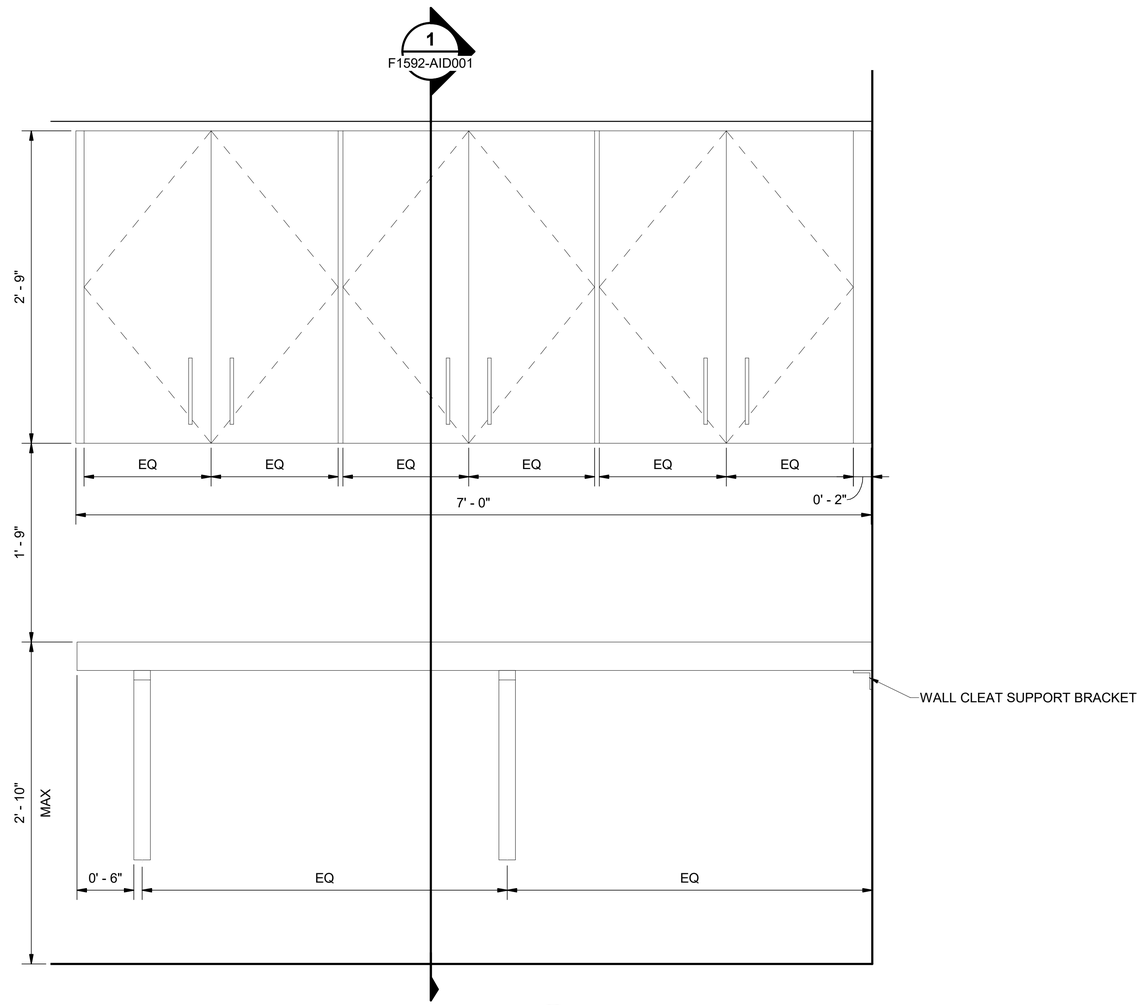
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MILLWORK DETAIL

SCALE: 1 1/2" = 1'-0"

1 / F1592-AID001



MILLWORK ELEVATION

SCALE: 1 1/2" = 1'-0"

2 / F1592-AIE802

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	CD	PC	BC	FINAL AS-BUILT

DESIGNED BY: C. DOMINGUEZ
DRAWN BY: M. BRYANT/ N. SMITH
CHECKED BY: P. CHUBB
APPROVED BY: B. CONNOLLY

MITHŪN

HENSEL PHELPS Plan. Build. Manage.

kpff

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT

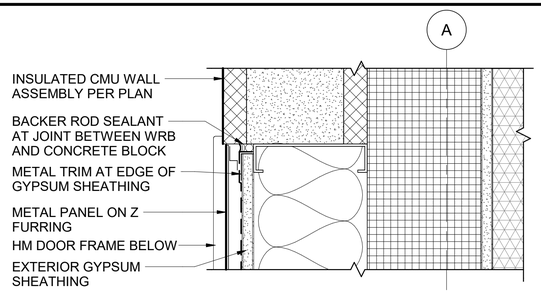
SUBMITTED BY: SARA ROBERTS
DATE: 10/26/2022
REVIEWED BY: GREG SHIMIZU
DATE: 10/26/2022

SCALE: 1 1/2" = 1'-0"
FILENAME: S317-F1592-A_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
ARCHITECTURAL
CASEWORK DETAILS

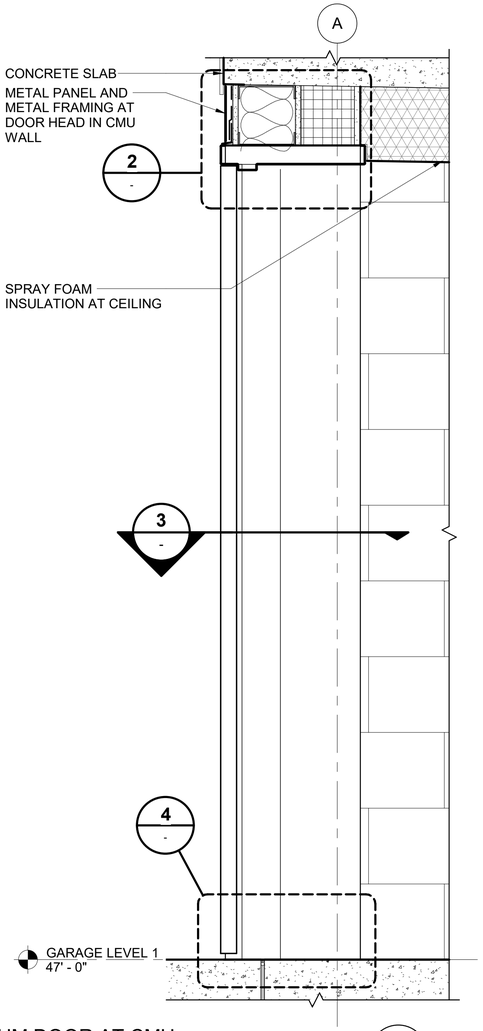
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FACILITY ID: F1592
SHEET No: 374
REV: 0

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METAL PANEL DOOR HEAD AT CMU — 9

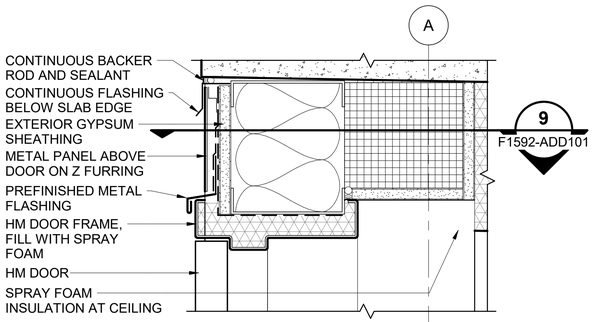
SCALE: 3" = 1'-0"



HM DOOR AT CMU — 1

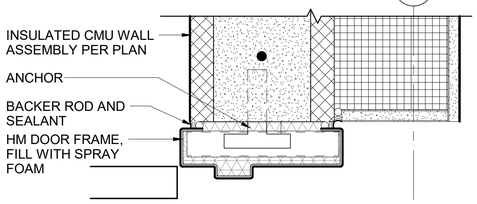
SCALE: 1 1/2" = 1'-0"

F1592-AEE404



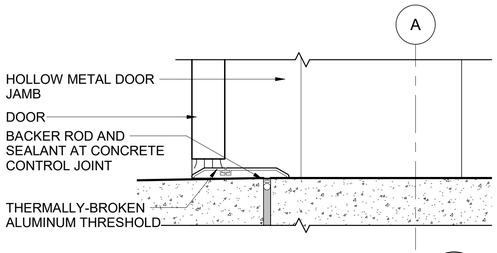
HM DOOR HEAD AT CMU — 2

SCALE: 3" = 1'-0"



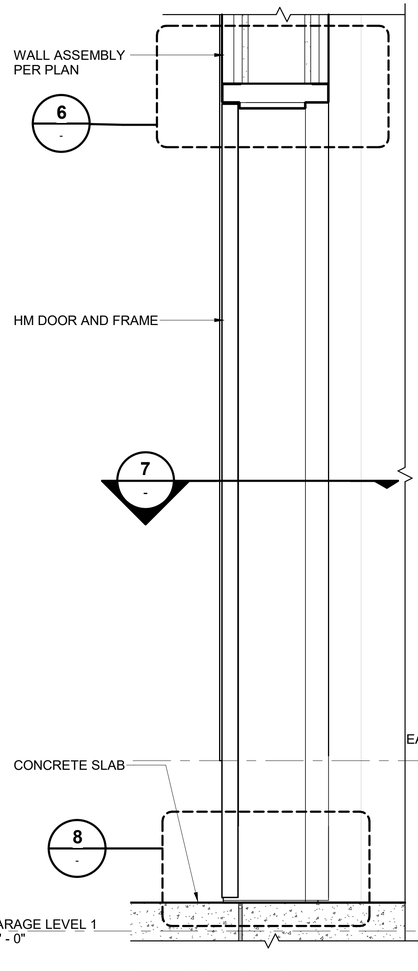
HM DOOR JAMB AT CMU — 3

SCALE: 3" = 1'-0"



HM DOOR SILL AT CMU — 4

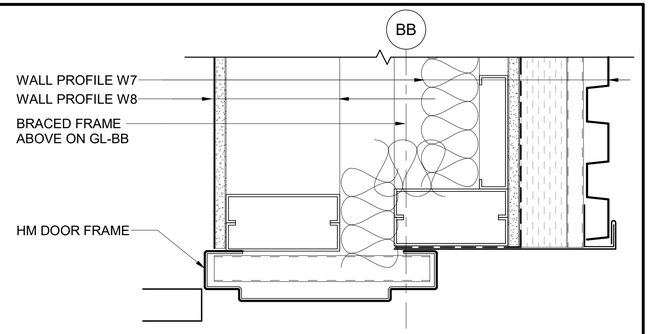
SCALE: 3" = 1'-0"



HM DOOR IN METAL PANEL — 5

SCALE: 1 1/2" = 1'-0"

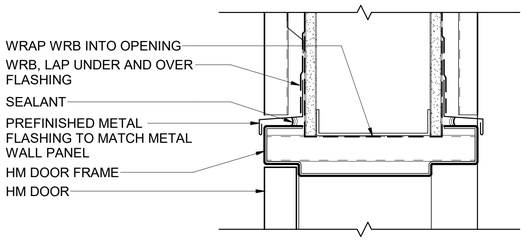
F1592-AEE411



DOOR JAMB AT BRACED FRAME — 10

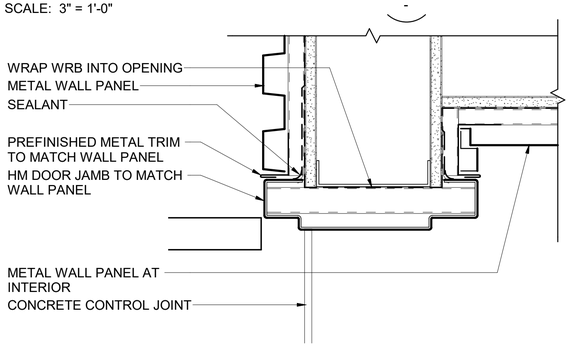
SCALE: 3" = 1'-0"

F1592-APP102



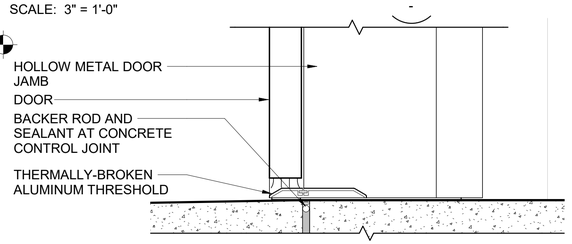
HM DOOR HEAD AT METAL PANEL — 6

SCALE: 3" = 1'-0"



HM DOOR JAMB AT METAL PANEL — 7

SCALE: 3" = 1'-0"



HM DOOR SIL — 8

SCALE: 3" = 1'-0"

6/21/2022 4:20:22 PM
C:\Users\nathaniels\Documents\S317-F1592-A-v2020_nathanielsPP4BW.RVT

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	CD	PC	BC	FINAL AS-BUILT

DESIGNED BY: C. DOMINGUEZ
DRAWN BY: M. BRYANT/ N. SMITH
CHECKED BY: P. CHUBB
APPROVED BY: B. CONNOLLY

MITHŪN — SUBMITTED BY: SARA ROBERTS

HENSEL PHELPS Plan. Build. Manage. kpff — DATE: 10/26/2022 — REVIEWED BY: GREG SHIMIZU

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT — DATE: 10/26/2022

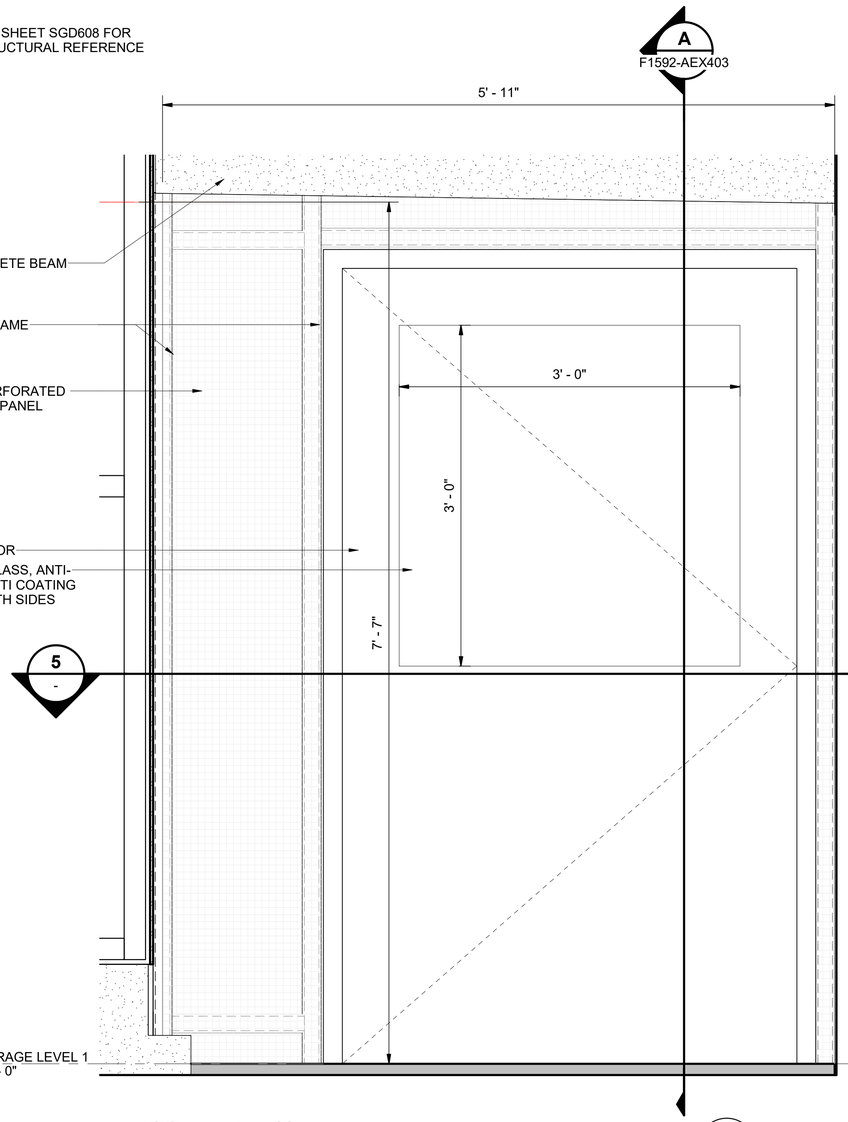
SCALE: AS NOTED
FILENAME: S317-F1592-A_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
ARCHITECTURAL
DOOR DETAILS

DRAWING No.: F1592-ADD101
FACILITY ID: F1592
SHEET No.: 375
REV.: 0

NOTE

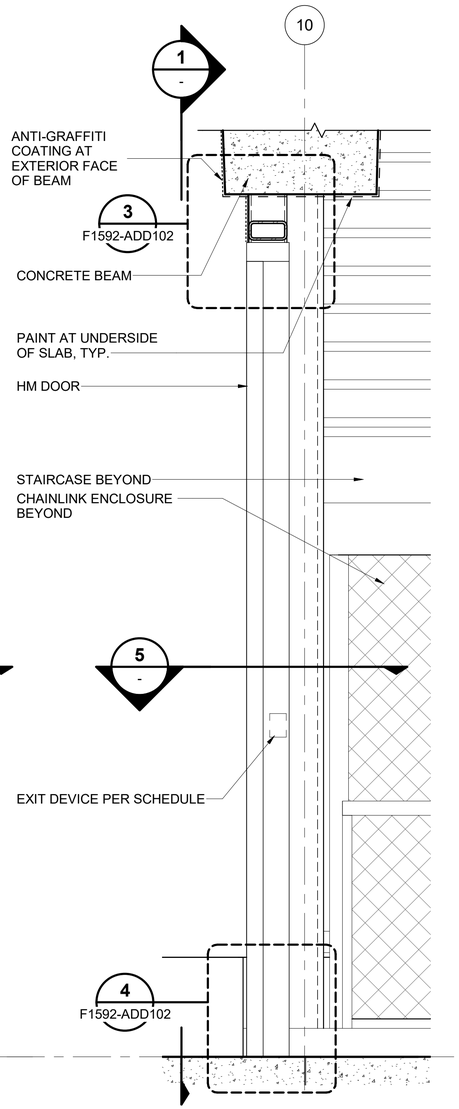
1. SEE SHEET SGD608 FOR STRUCTURAL REFERENCE



HM DOOR ELEVATION

SCALE: 1 1/2" = 1'-0"

1

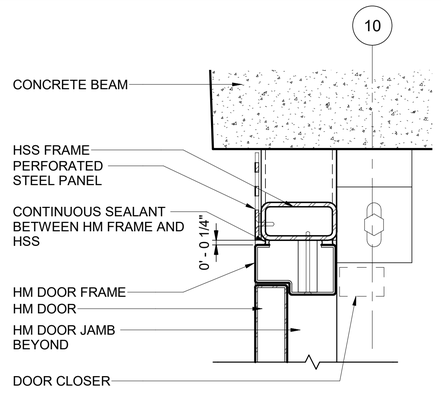


HM DOOR SECTION

SCALE: 1 1/2" = 1'-0"

2

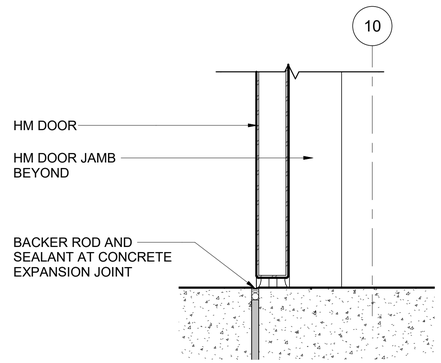
F1592-AEE411



HM DOOR IN STEEL FRAME HEAD

SCALE: 3" = 1'-0"

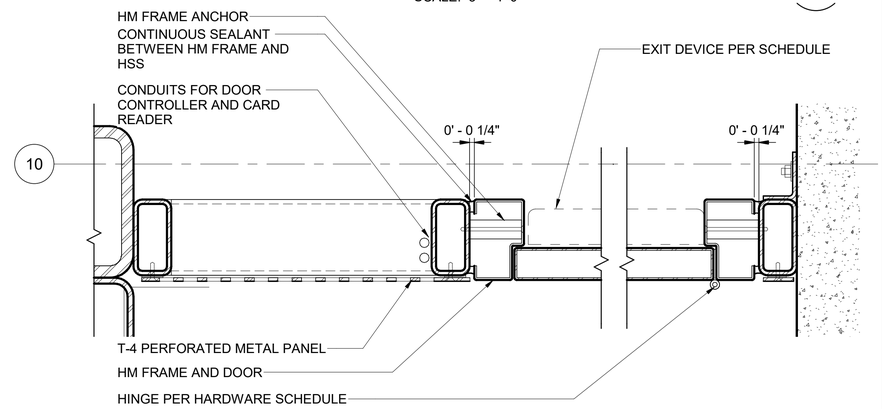
3



HM DOOR IN STEEL FRAME SILL

SCALE: 3" = 1'-0"

4



HM DOOR IN STEEL FRAME

SCALE: 3" = 1'-0"

5

6/21/2022 4:20:25 PM
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FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	CD	PC	BC	FINAL AS-BUILT

DESIGNED BY: C. DOMINGUEZ
DRAWN BY: M. BRYANT/ N. SMITH
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APPROVED BY: B. CONNOLLY

MITHŪN
SUBMITTED BY: SARA ROBERTS

HENSEL PHELPS
Plan. Build. Manage.
kpff
DATE: 10/26/2022
REVIEWED BY: GREG SHIMIZU

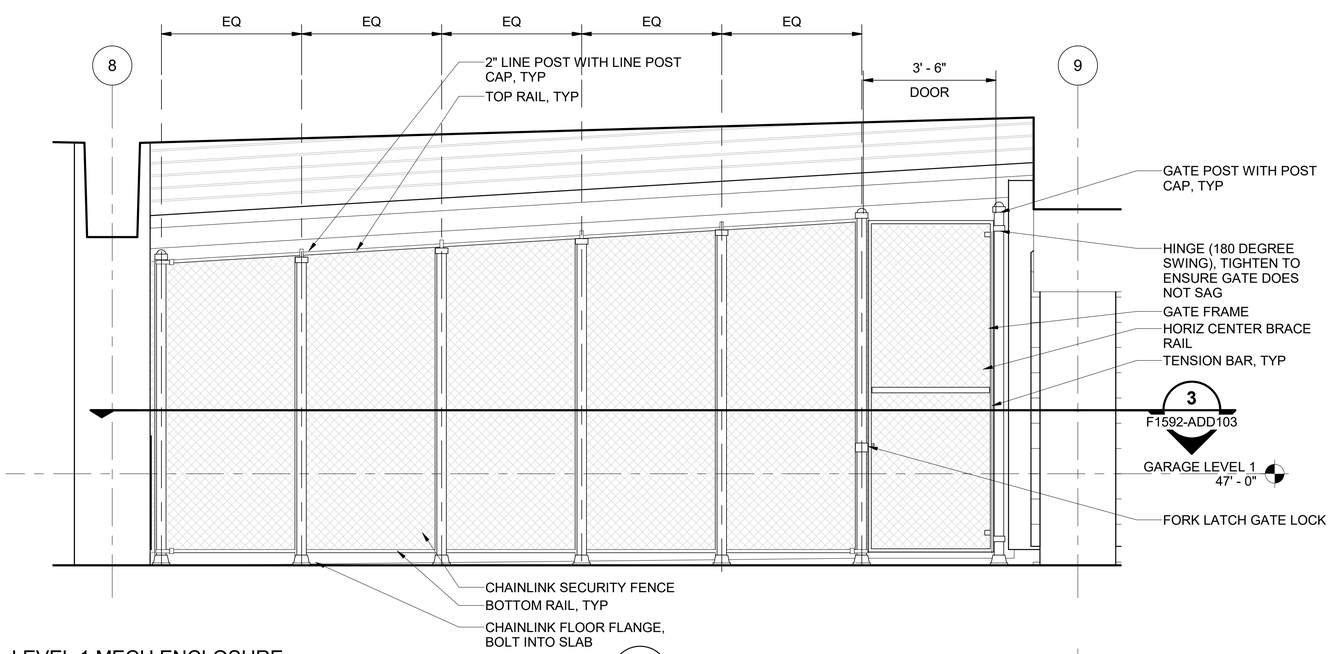
LINE IS 1" AT FULL SCALE

SOUNDTRANSIT
DATE: 10/26/2022

SCALE: AS NOTED
FILENAME: S317-F1592-A_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
ARCHITECTURAL
DOOR DETAILS

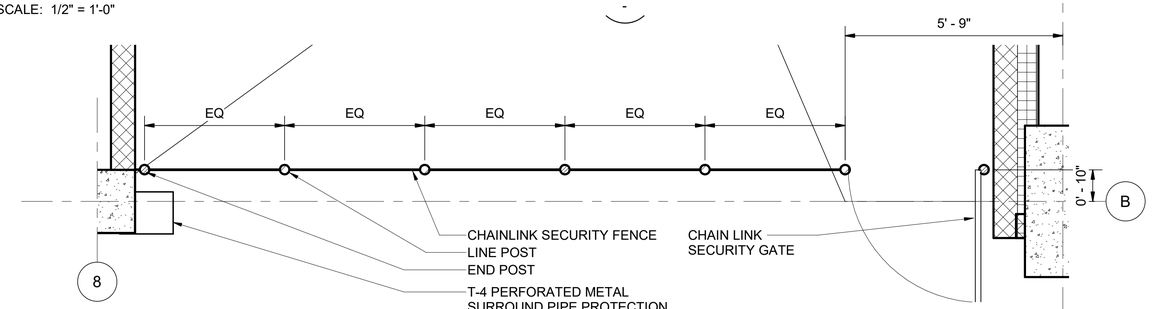
DRAWING No.: F1592-ADD102
FACILITY ID: F1592
SHEET No.: 376
REV.: 0



LEVEL 1 MECH ENCLOSURE

1 / -

SCALE: 1/2" = 1'-0"



MECH ENCLOSURE JAMB DETAILS

3 / -

SCALE: 1/2" = 1'-0"

0' 1 2' 4'

SCALE IN FEET

6/21/2022 4:20:26 PM
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FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	CD	PC	BC	FINAL AS-BUILT

DESIGNED BY: C. DOMINGUEZ
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MITHŪN
SUBMITTED BY: SARA ROBERTS

HENSEL PHELPS Plan. Build. Manage.
kpff
DATE: 10/26/2022
REVIEWED BY: GREG SHIMIZU

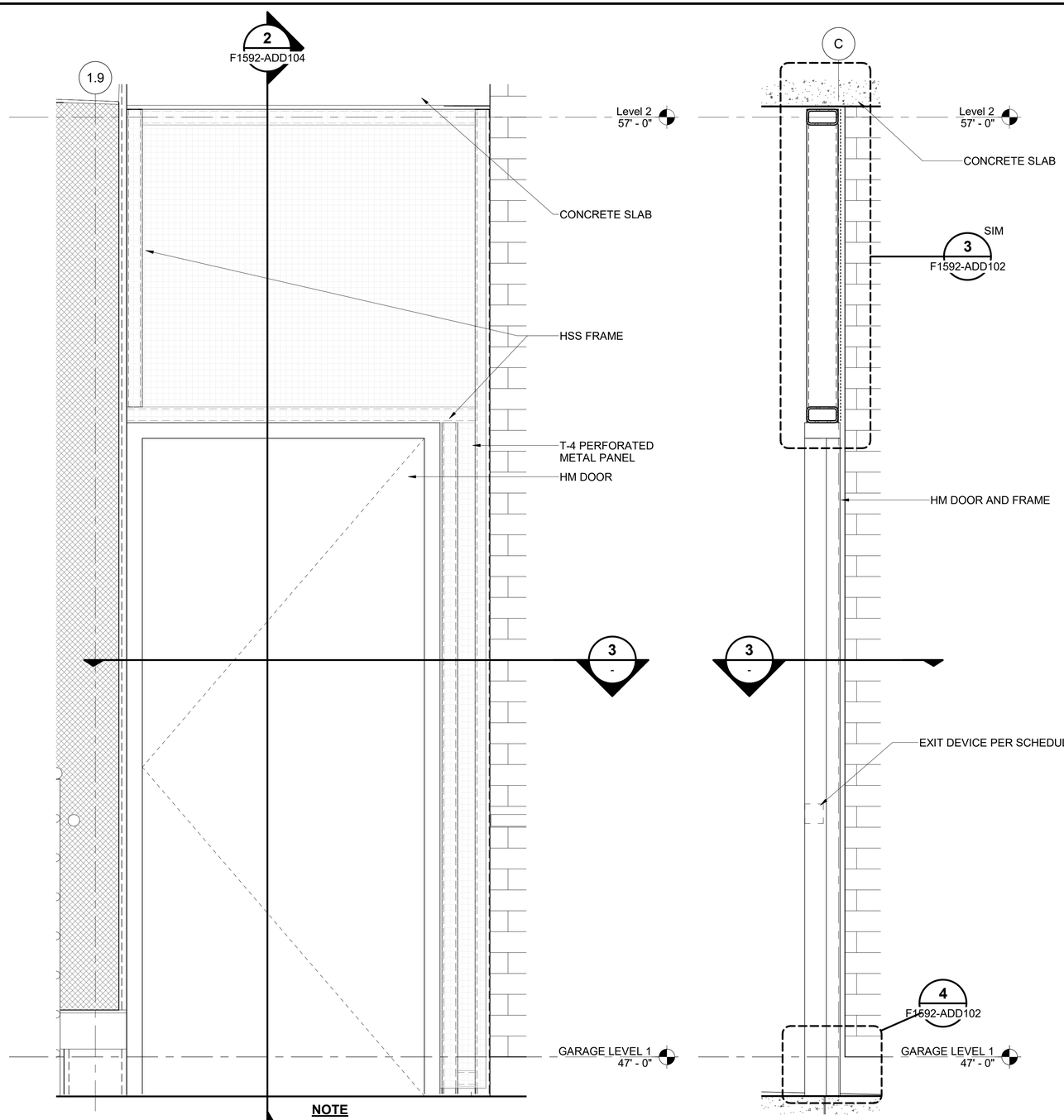
LINE IS 1" AT FULL SCALE

SOUNDTRANSIT
DATE: 10/26/2022

SCALE: AS NOTED
FILENAME: S317-F1592-A_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
ARCHITECTURAL
DOOR DETAILS

DRAWING No.: F1592-ADD103
FACILITY ID: F1592
SHEET No.: 377
REV.: 0



HM DOOR AT SW STAIRS

SCALE: 1 1/2" = 1'-0"

4
F1592-ATP601

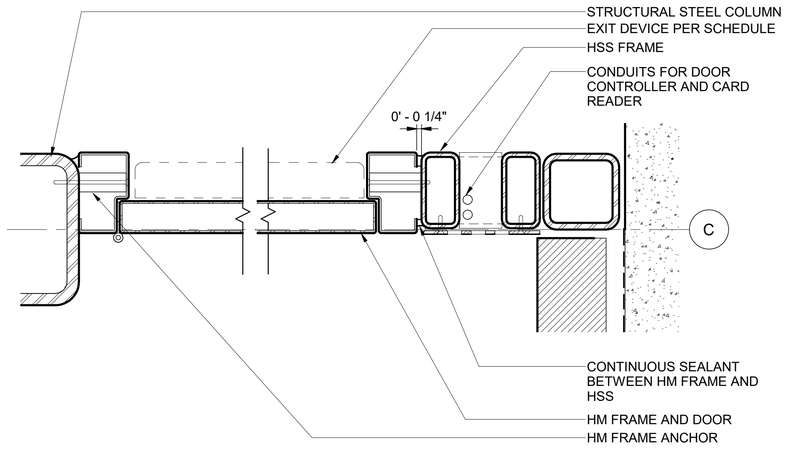
NOTE

1. SEE SHEET SGD608 FOR STRUCTURAL REFERENCE

HM DOOR SECTION AT SW STAIRS

SCALE: 1 1/2" = 1'-0"

2
-



HM DOOR JAMBS AT SW STAIRS

SCALE: 3" = 1'-0"

3
-

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	CD	PC	BC	FINAL AS-BUILT

DESIGNED BY: C. DOMINGUEZ
DRAWN BY: M. BRYANT/ N. SMITH
CHECKED BY: P. CHUBB
APPROVED BY: B. CONNOLLY

MITHŪN

HENSEL PHELPS
Plan. Build. Manage.
kpff

SUBMITTED BY: SARA ROBERTS
DATE: 10/26/2022
REVIEWED BY: GREG SHIMIZU
DATE: 10/26/2022

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT

SCALE: AS NOTED
FILENAME: S317-F1592-A_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
ARCHITECTURAL
DOOR DETAILS

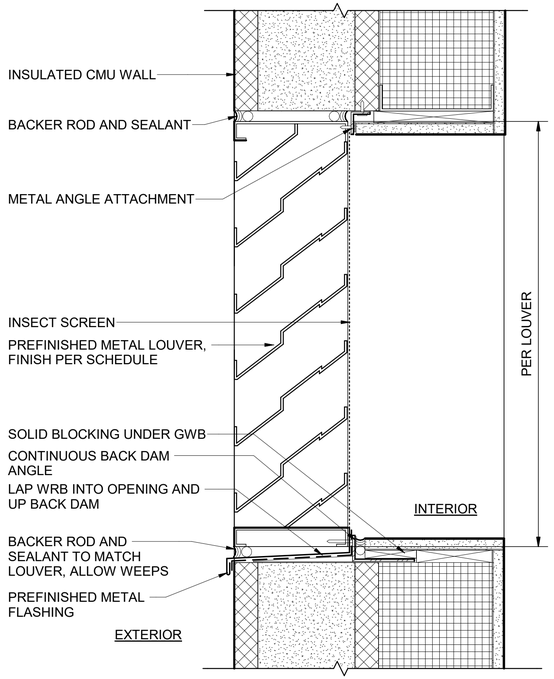
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FACILITY ID: F1592
SHEET No: 378
REV: 0

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LOUVER SCHEDULE

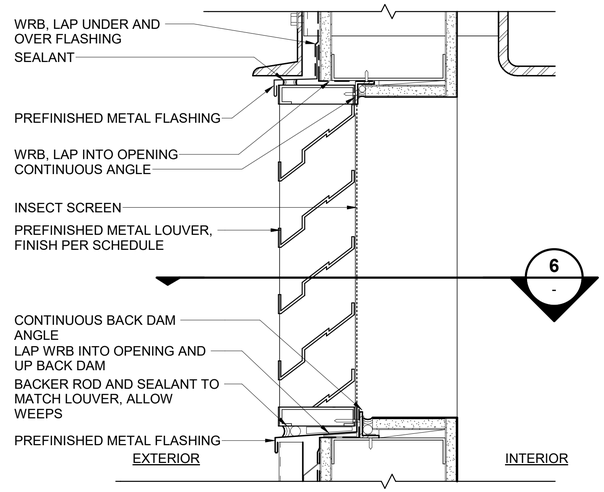
NUMBER	HEIGHT	WIDTH	FREE AREA
LVR-01	3' - 0"	3' - 0"	0.30 SF
LVR-02	1' - 2"	1' - 2"	0.30 SF
LVR-03	1' - 2"	1' - 2"	0.30 SF
LVR-07	1' - 6"	5' - 6"	3.39 SF
LVR-08	1' - 6"	4' - 9"	3.39 SF
LVR-11	1' - 6"	4' - 9"	3.39 SF
LVR-12	1' - 0"	1' - 0"	0.30 SF
LVR-13	1' - 0"	1' - 0"	0.30 SF
LVR-14	1' - 6"	5' - 6"	3.39 SF

REFER TO ENLARGED ELEVATIONS FOR ARCHITECTURAL LOUVER LOCATIONS



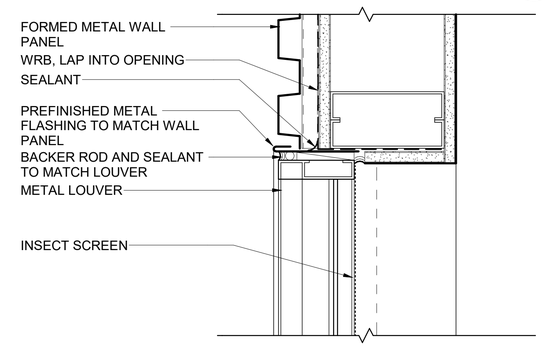
LOUVER SECTION IN CMU — 1 / F1592-AEE404

SCALE: 3" = 1'-0"



LOUVER DETAIL AT ELEVATOR SHAFT — 5 / F1592-AVX610

SCALE: 3" = 1'-0"



LOUVER JAMB AT METAL PANEL — 6 / -

SCALE: 3" = 1'-0"

6" 3" 0 1'

SCALE IN FEET

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	CD	PC	BC	FINAL AS-BUILT

DESIGNED BY: C. DOMINGUEZ
DRAWN BY: M. BRYANT/ N. SMITH
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APPROVED BY: B. CONNOLLY

MITHŪN
SUBMITTED BY: SARA ROBERTS

HENSEL PHELPS Plan. Build. Manage.
kpff
DATE: 10/26/2022
REVIEWED BY: GREG SHIMIZU

LINE IS 1" AT FULL SCALE

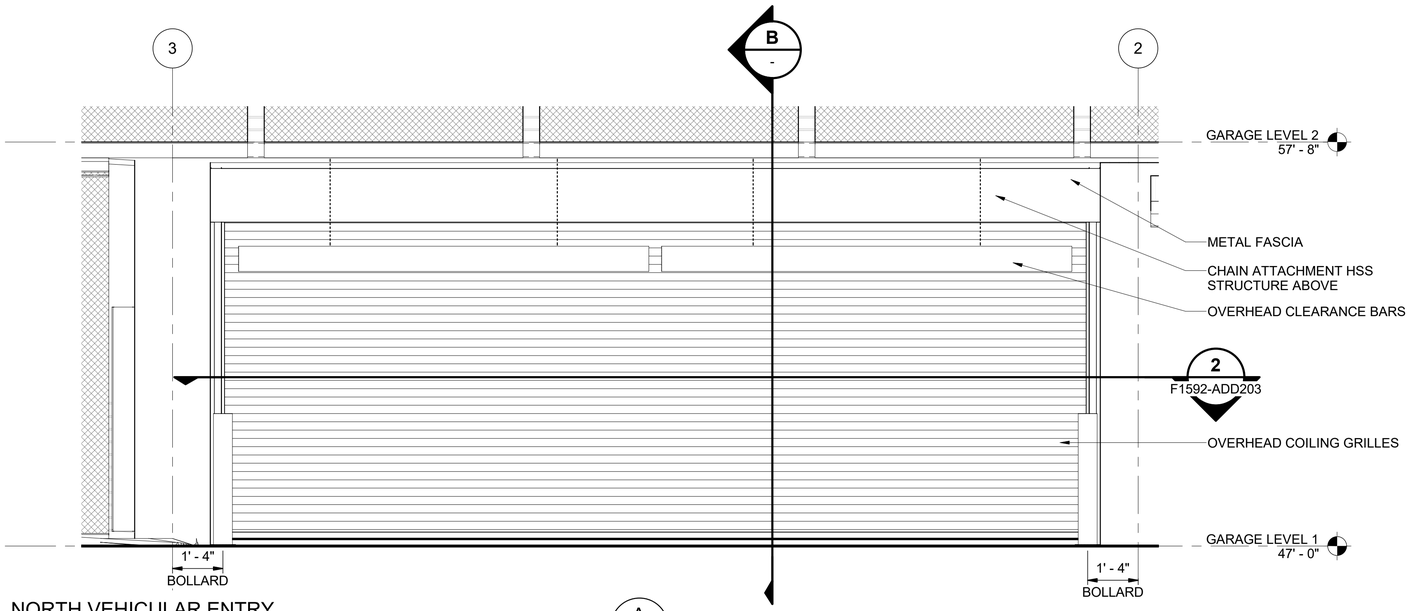
SOUNDTRANSIT
DATE: 10/26/2022

SCALE: 3" = 1'-0"
FILENAME: S317-F1592-A_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
ARCHITECTURAL
LOUVER DETAILS

DRAWING No.: F1592-ADD105
FACILITY ID: F1592
SHEET No.: 379
REV.: 0

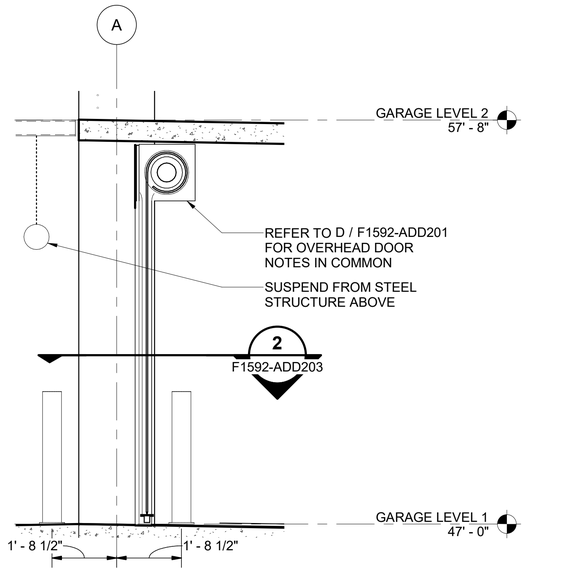
6/21/2022 4:20:31 PM
C:\Users\nathaniels\Documents\S317-F1592-A-v2020_nathanielsPP4BW.RVT



NORTH VEHICULAR ENTRY

SCALE: 1/2" = 1'-0"

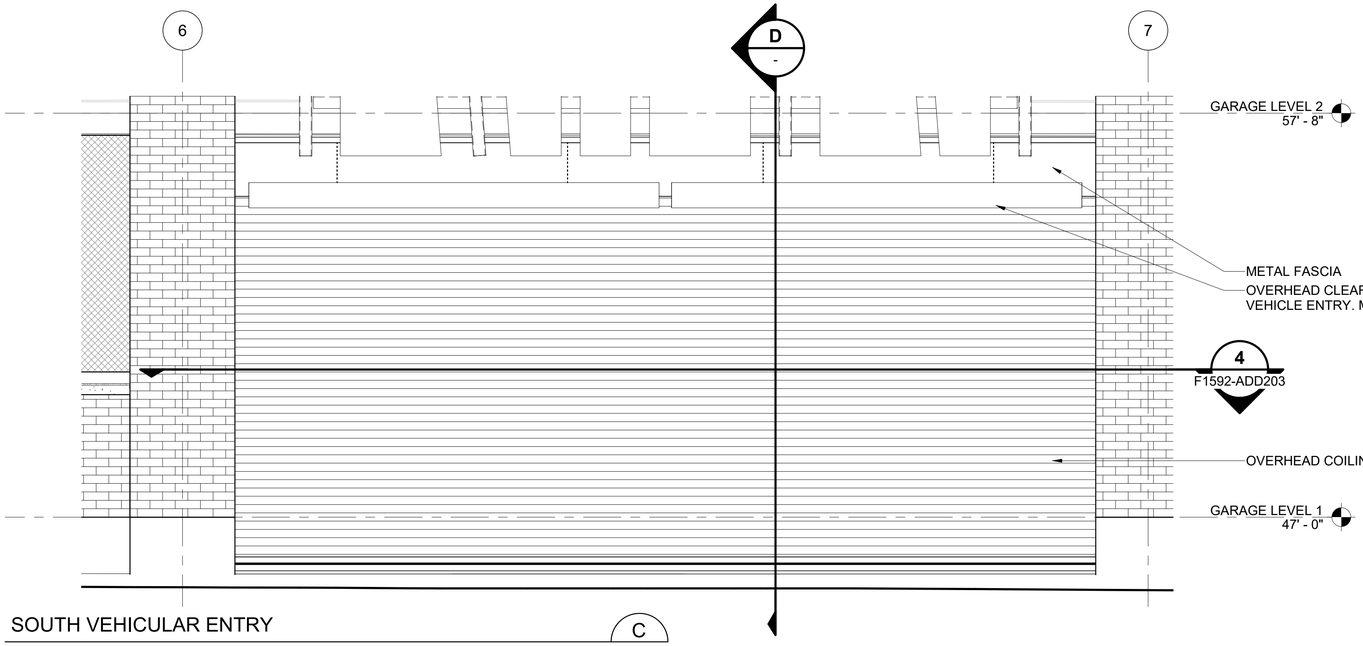
A
F1592-AEE301



OVERHEAD COILING DOOR - VEHICULAR ENTRY

SCALE: 1/2" = 1'-0"

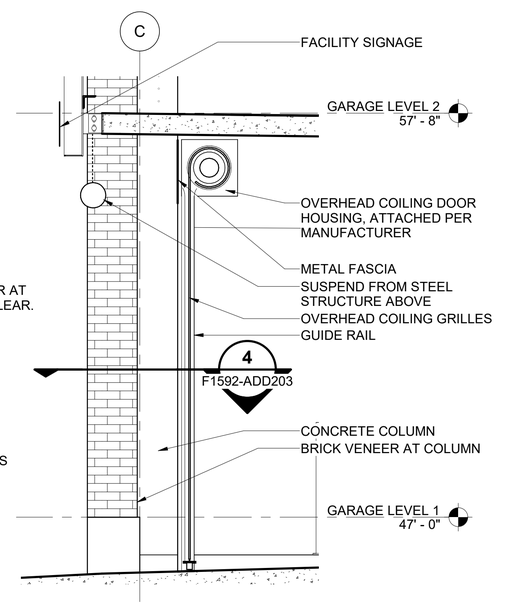
B
-



SOUTH VEHICULAR ENTRY

SCALE: 1/2" = 1'-0"

C
F1592-AEE301



OVERHEAD COILING DOOR - SOUTH ENTRY

SCALE: 1/2" = 1'-0"

D
-

0' 1 2' 4'

SCALE IN FEET

6/21/2022 4:20:34 PM
C:\Users\nathaniels\Documents\S317-F1592-A-v2020_nathanielsPP4BW.RVT

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	CD	PC	BC	FINAL AS-BUILT

DESIGNED BY: C. DOMINGUEZ
DRAWN BY: M. BRYANT/ N. SMITH
CHECKED BY: P. CHUBB
APPROVED BY: B. CONNOLLY

MITHŪN

HENSEL PHELPS
Plan. Build. Manage.
kpff

LINE IS 1" AT FULL SCALE

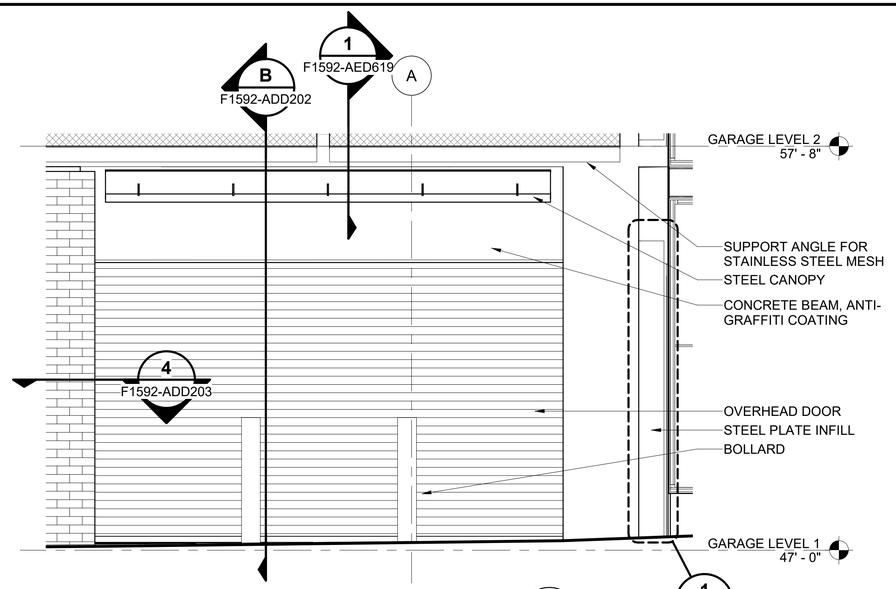
SOUNDTRANSIT

SUBMITTED BY: SARA ROBERTS
DATE: 10/26/2022
REVIEWED BY: GREG SHIMIZU
DATE: 10/26/2022

SCALE: 1/2" = 1'-0"
FILENAME: S317-F1592-A_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

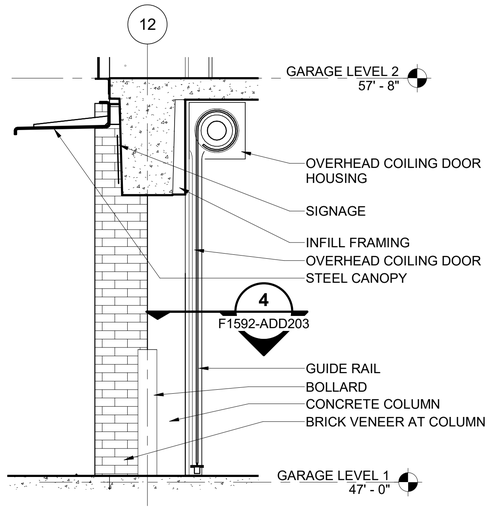
PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
ARCHITECTURAL
OVERHEAD DOOR ELEVATIONS

DRAWING No.: F1592-ADD201
FACILITY ID: F1592
SHEET No.: 380
REV.: 0



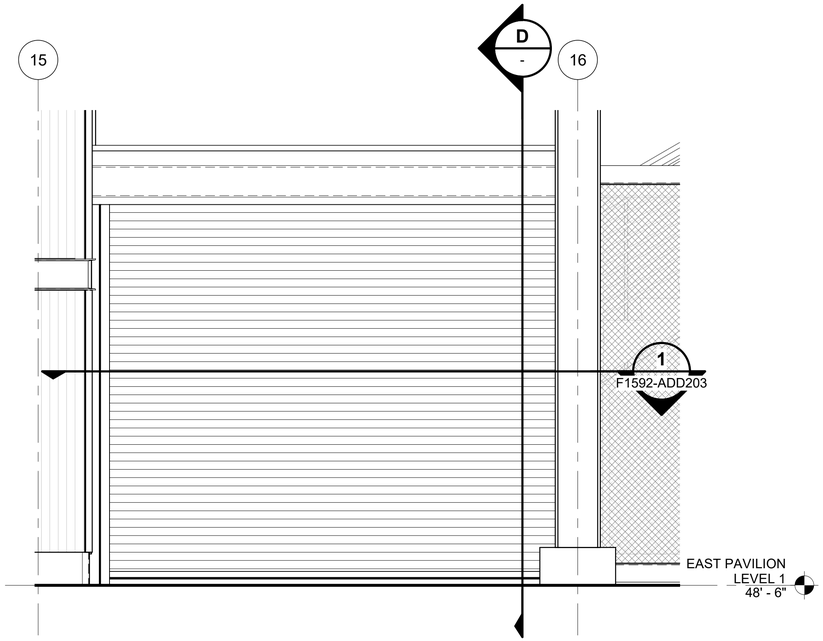
OVERHEAD DOOR AT EAST ENTRY — A, F1592-AEE302

SCALE: 1/2" = 1'-0"



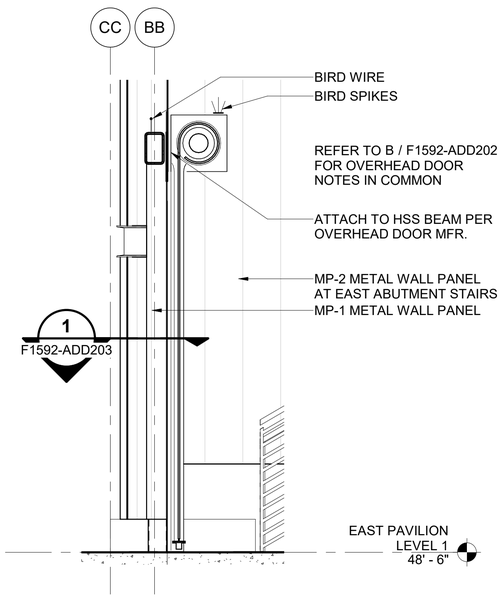
OVERHEAD DOOR AT EAST ENTRY — B, -

SCALE: 1/2" = 1'-0"



OVERHEAD DOOR AT EAST ABUTMENT — C, F1592-AEE301

SCALE: 1/2" = 1'-0"



OVERHEAD DOOR SECTION AT EAST ABUTMENT — D, -

SCALE: 1/2" = 1'-0"

0' 1 2' 4'

SCALE IN FEET

6/21/2022 4:20:38 PM
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FINAL AS-BUILT

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0	10/26/2022	CD	PC	BC	FINAL AS-BUILT

DESIGNED BY: C. DOMINGUEZ
DRAWN BY: M. BRYANT/ N. SMITH
CHECKED BY: P. CHUBB
APPROVED BY: B. CONNOLLY

MITHŪN

HENSEL PHELPS
Plan. Build. Manage.
kpff

SUBMITTED BY: SARA ROBERTS
DATE: 10/26/2022
REVIEWED BY: GREG SHIMIZU
DATE: 10/26/2022

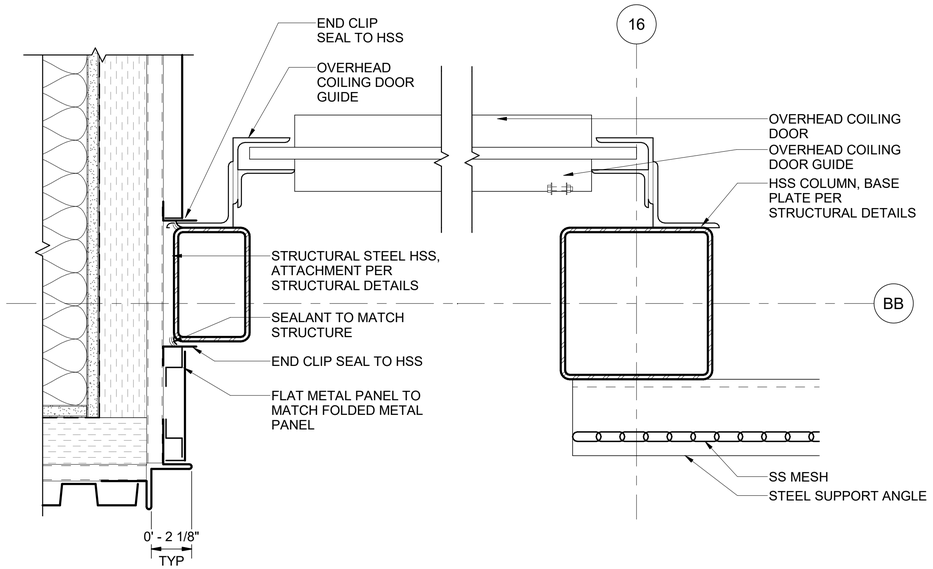
LINE IS 1" AT FULL SCALE

SOUNDTRANSIT

SCALE: 1/2" = 1'-0"
FILENAME: S317-F1592-A_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
ARCHITECTURAL
OVERHEAD DOOR ELEVATIONS

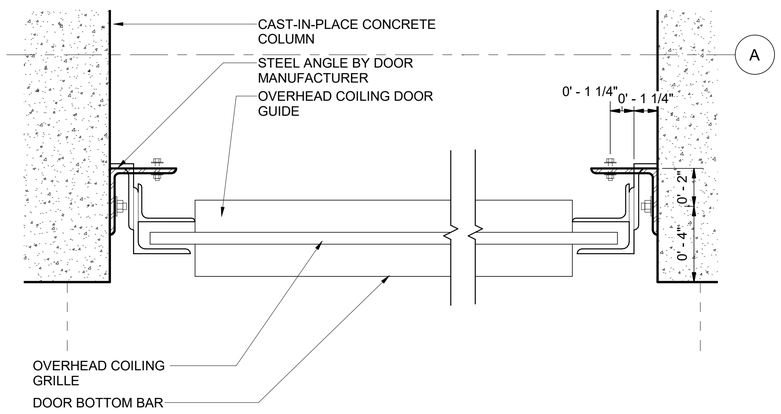
DRAWING No.: F1592-ADD202
FACILITY ID: F1592
SHEET No.: 381
REV.: 0



OVERHEAD DOOR JAMBS AT EAST ABUTMENT

SCALE: 3" = 1'-0"

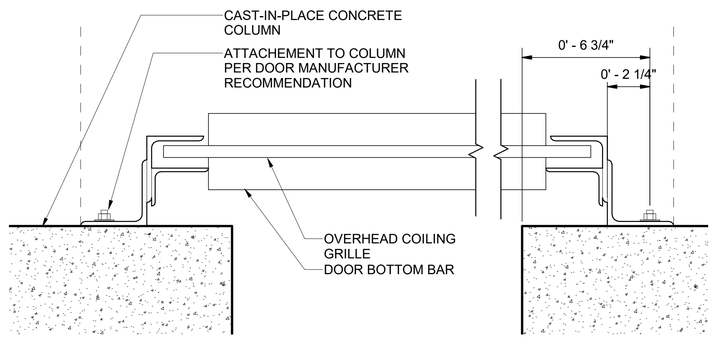
1
F1592-ADD202



OVERHEAD DOOR JAMBS AT N. VEHICULAR ENTRY

SCALE: 3" = 1'-0"

2
F1592-ADD201



OVERHEAD DOOR JAMB AT EAST ENTRY AND S. VEHICULAR ENTRY

SCALE: 3" = 1'-0"

4
F1592-ADD201

6" 3" 0 1'

SCALE IN FEET

6/21/2022 4:20:40 PM
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FINAL AS-BUILT

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APPROVED BY: B. CONNOLLY

MITHŪN
SUBMITTED BY: SARA ROBERTS

HENSEL PHELPS Plan. Build. Manage.
kpff
DATE: 10/26/2022
REVIEWED BY: GREG SHIMIZU

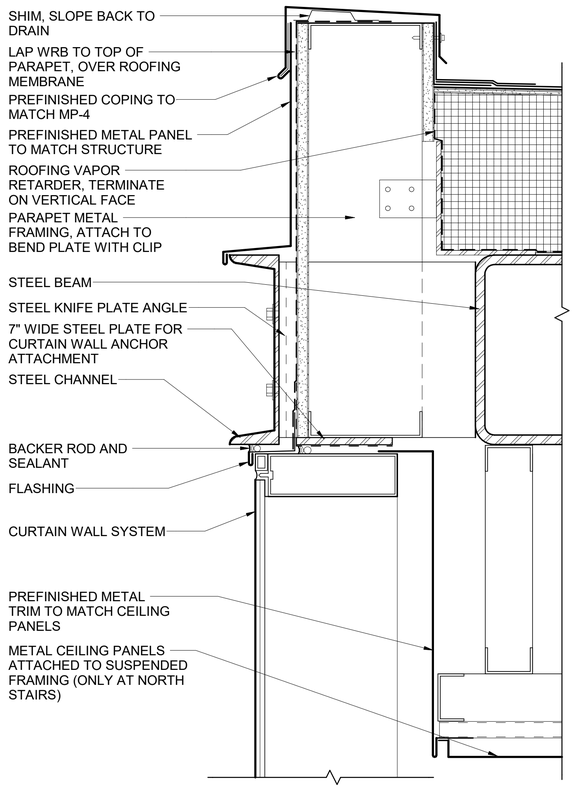
LINE IS 1" AT FULL SCALE

SOUNDTRANSIT
DATE: 10/26/2022

SCALE: 3" = 1'-0"
FILENAME: S317-F1592-A_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
ARCHITECTURAL
OVERHEAD DOOR DETAILS

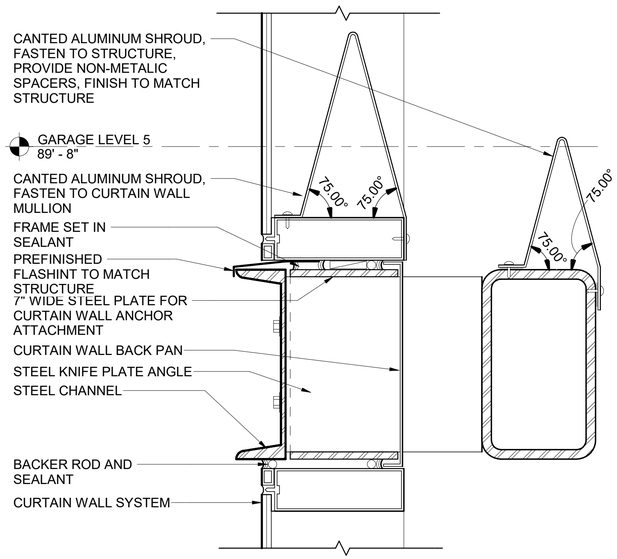
DRAWING No.: F1592-ADD203
FACILITY ID: F1592
SHEET No: 382
REV: 0



CURTAINWALL HEAD DETAIL

SCALE: 3" = 1'-0"

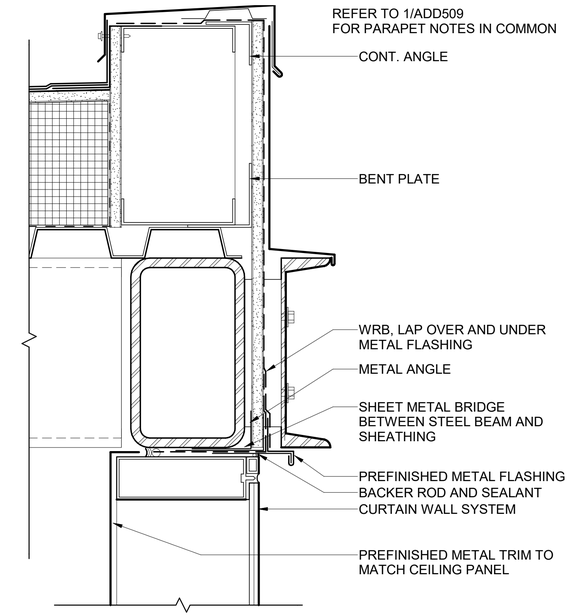
1
F1592-ADS002



CURTAINWALL MID SUPPORT

SCALE: 3" = 1'-0"

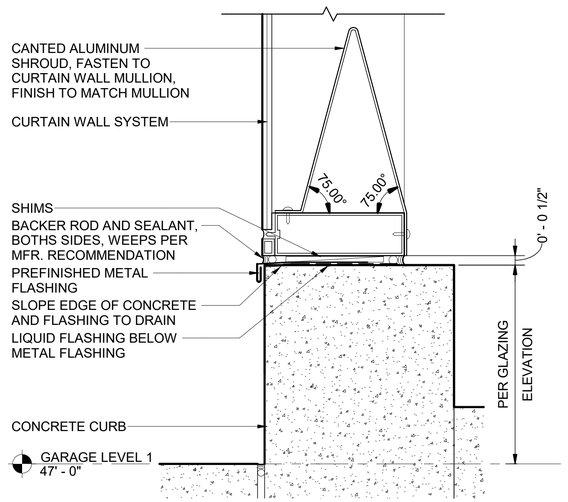
2
F1592-ADS002



CURTAINWALL HEAD AT LEVEL 5 SOUTH

SCALE: 3" = 1'-0"

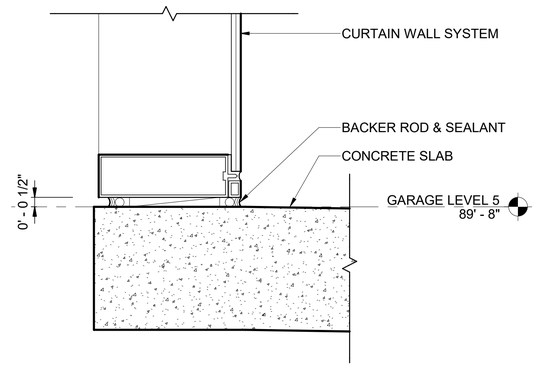
7
F1592-ATX606



CURTAINWALL BASE

SCALE: 3" = 1'-0"

3
F1592-ADS002



CURTAINWALL SILL AT LEVEL 5 SOUTH

SCALE: 3" = 1'-0"

8
F1592-ADS003

6" 3" 0 1'

SCALE IN FEET

6/21/2022 4:20:42 PM
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FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	CD	PC	BC	FINAL AS-BUILT

DESIGNED BY: C. DOMINGUEZ
DRAWN BY: M. BRYANT/ N. SMITH
CHECKED BY: P. CHUBB
APPROVED BY: B. CONNOLLY

MITHŪN
SUBMITTED BY: SARA ROBERTS

HENSEL PHELPS Plan. Build. Manage.
kpff
DATE: 10/26/2022

LINE IS 1" AT FULL SCALE

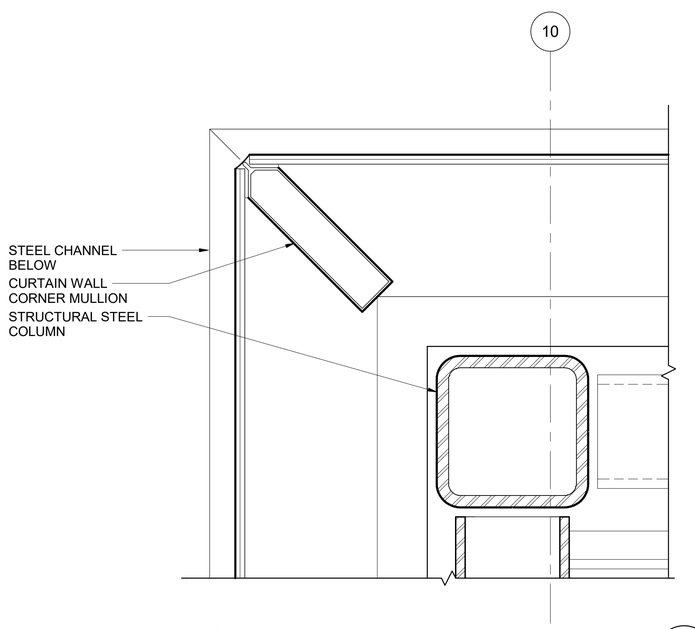
REVIEWED BY: GREG SHIMIZU

SOUNDTRANSIT
DATE: 10/26/2022

SCALE: 3" = 1'-0"
FILENAME: S317-F1592-A_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
ARCHITECTURAL
CURTAINWALL DETAILS

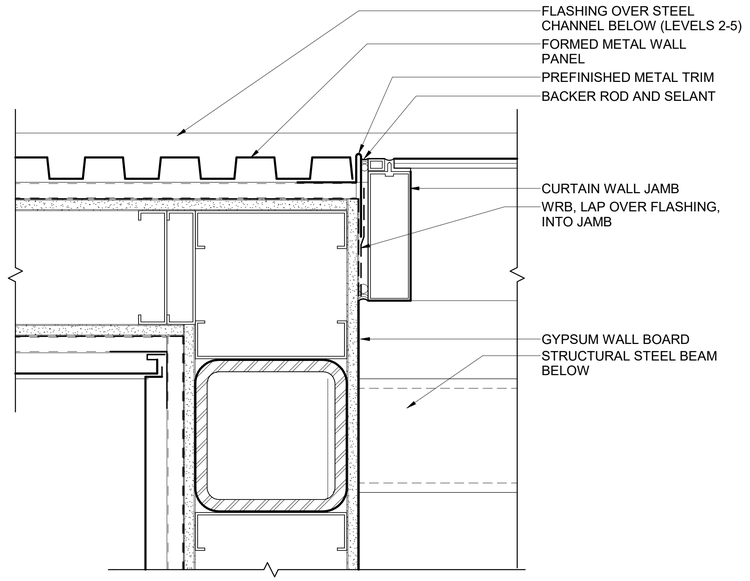
DRAWING No.: **F1592-ADD509**
FACILITY ID: F1592
SHEET No: 383
REV: 0



CURTAIN WALL OUTSIDE CORNER

SCALE: 3" = 1'-0"

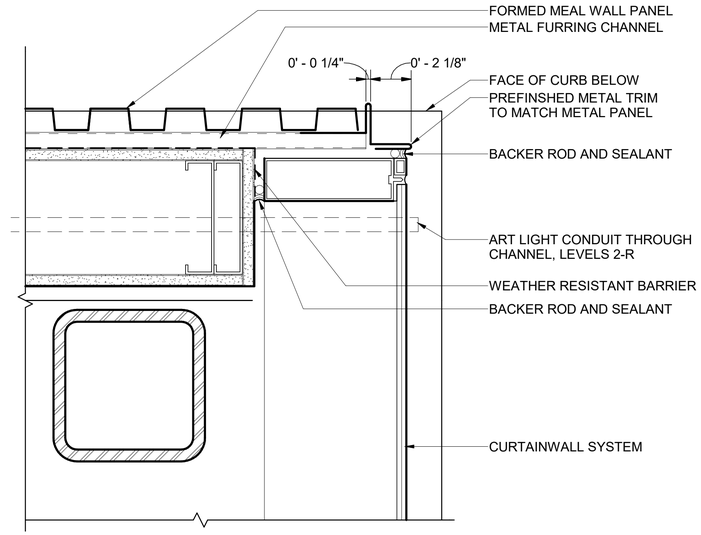
1 F1592-ADS002



CURTAIN WALL METAL PANEL TRANSITION

SCALE: 3" = 1'-0"

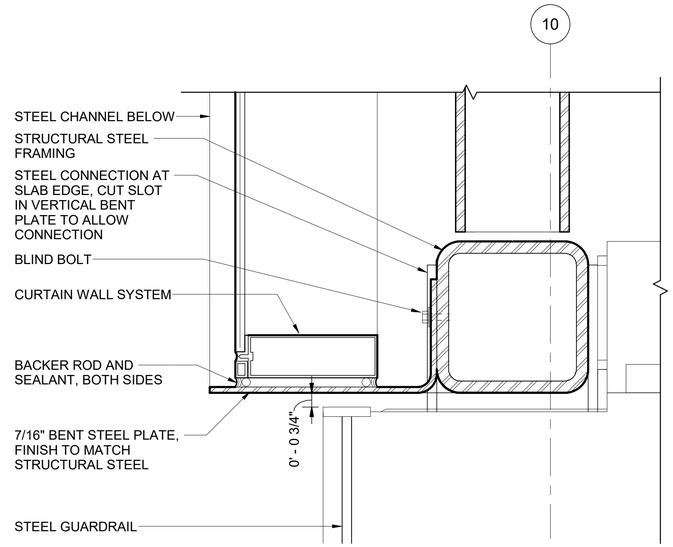
3 F1592-ADS002



CURTAINWALL METAL PANEL CORNER - NE

SCALE: 3" = 1'-0"

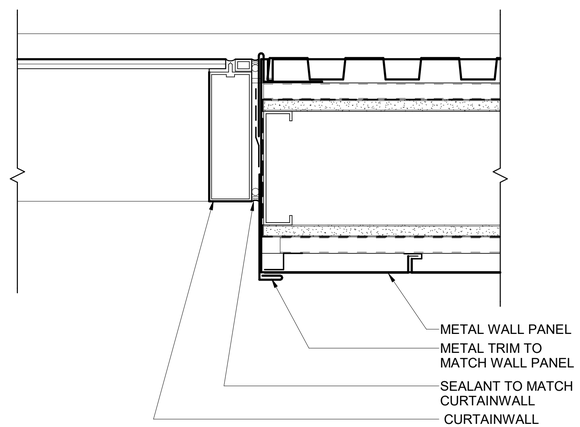
5 F1592-ADS002



CURTAIN WALL OUTSIDE CORNER - SW

SCALE: 3" = 1'-0"

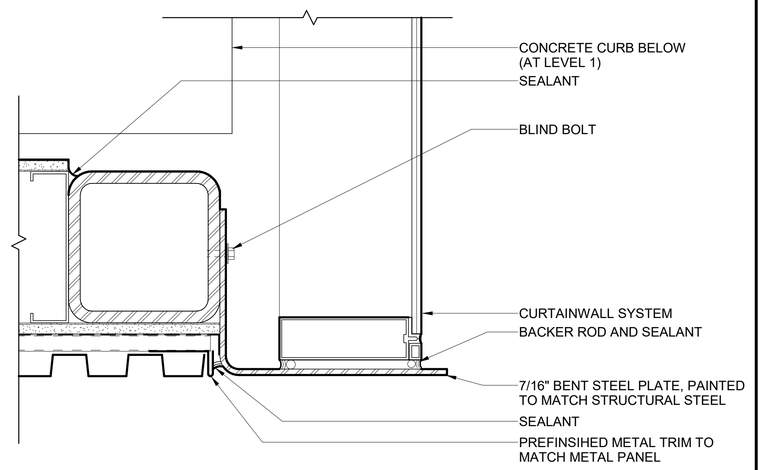
2 F1592-ADS002



CURTAIN WALL METAL PANEL TRANSITION @ STAIRS

SCALE: 3" = 1'-0"

4 F1592-APP103



CURTAINWALL METAL PANEL CORNER - SE

SCALE: 3" = 1'-0"

6 F1592-ADS002

6" 3" 0 1'

SCALE IN FEET

6/21/2022 4:20:45 PM
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FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	CD	PC	BC	FINAL AS-BUILT

DESIGNED BY: C. DOMINGUEZ
DRAWN BY: M. BRYANT/ N. SMITH
CHECKED BY: P. CHUBB
APPROVED BY: B. CONNOLLY

MITHŪN
SUBMITTED BY: SARA ROBERTS

HENSEL PHELPS Plan. Build. Manage.
kpff
DATE: 10/26/2022
REVIEWED BY: GREG SHIMIZU

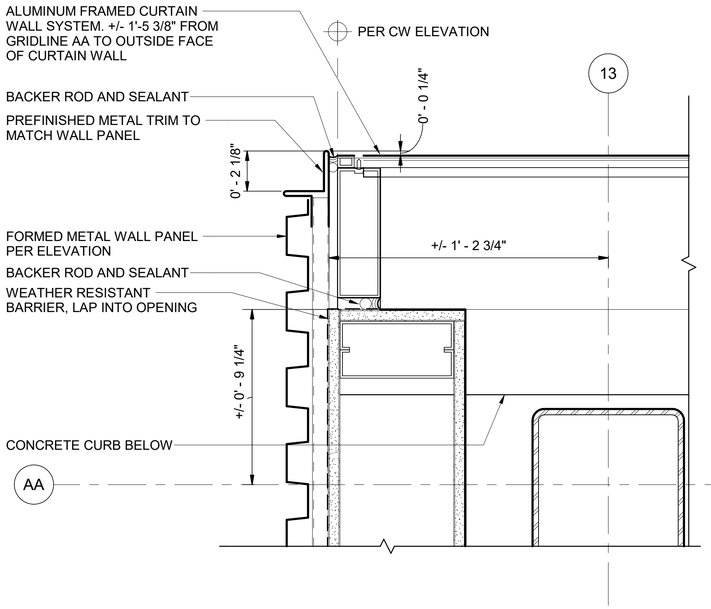
LINE IS 1" AT FULL SCALE

SOUNDTRANSIT
DATE: 10/26/2022

SCALE: 3" = 1'-0"
FILENAME: S317-F1592-A_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
ARCHITECTURAL
CURTAINWALL DETAILS

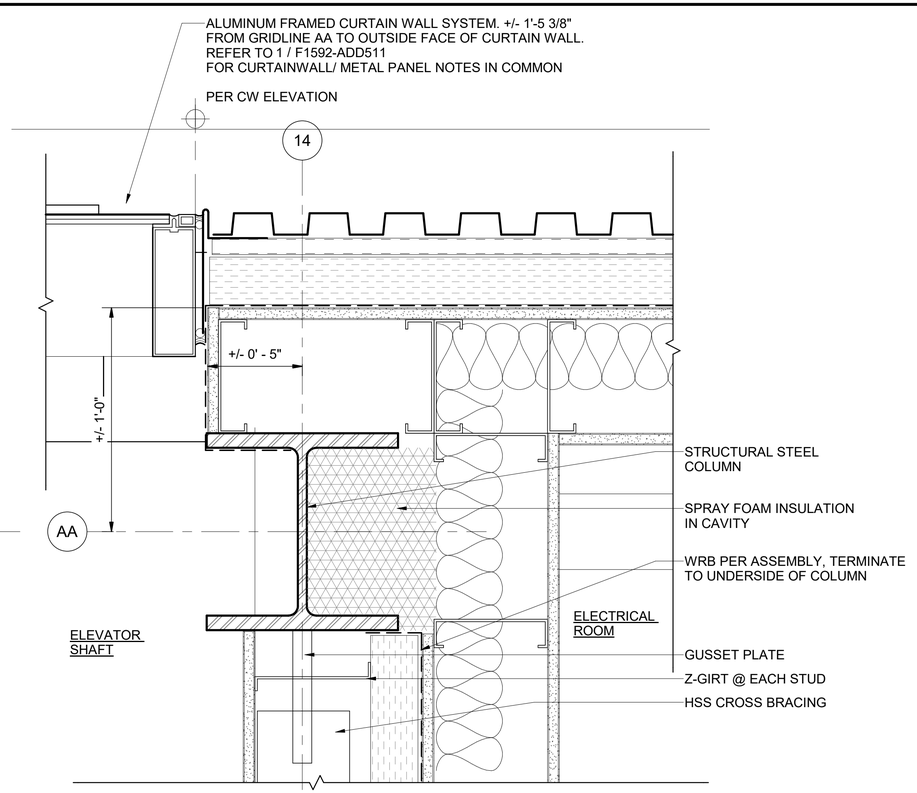
DRAWING No.: F1592-ADD510
FACILITY ID: F1592
SHEET No.: 384
REV.: 0



CURTAIN WALL - METAL PANEL - CORNER @ EAST ABUTMENT

SCALE: 3" = 1'-0"

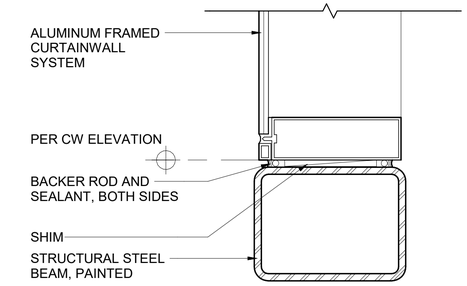
1 F1592-ADS002



CURTAIN WALL - METAL PANEL - JAMB DETAIL

SCALE: 3" = 1'-0"

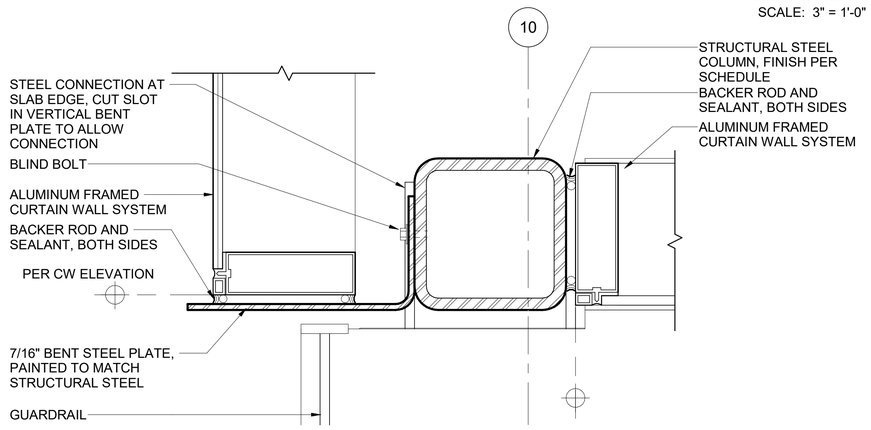
2 F1592-ADS002



CURTAIN WALL SILL AT LEVEL 5

SCALE: 3" = 1'-0"

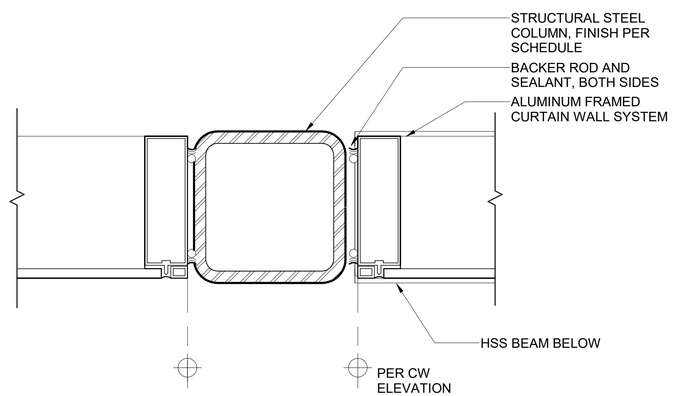
3 F1592-ADS003



CURTAIN WALL CORNER SW AT LEVEL 5

SCALE: 3" = 1'-0"

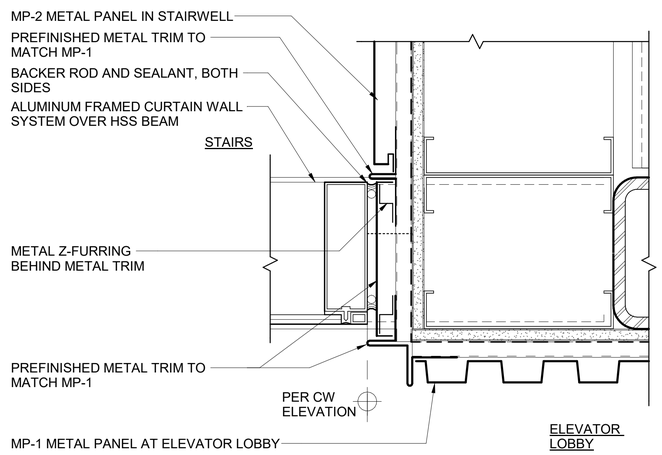
4 F1592-ADS002



CURTAIN WALL TRANSITION AT LEVEL 5

SCALE: 3" = 1'-0"

5 F1592-ADS003



CURTAIN WALL JAMB AT LEVEL 5

SCALE: 3" = 1'-0"

6 F1592-ADS003

6" 3" 0 1'

SCALE IN FEET

6/21/2022 4:20:47 PM
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FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	CD	PC	BC	FINAL AS-BUILT

DESIGNED BY: C. DOMINGUEZ
DRAWN BY: M. BRYANT/ N. SMITH
CHECKED BY: P. CHUBB
APPROVED BY: B. CONNOLLY

MITHŪN
SUBMITTED BY: SARA ROBERTS

HENSEL PHELPS Plan. Build. Manage.
kpff
DATE: 10/26/2022
REVIEWED BY: GREG SHIMIZU

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT
DATE: 10/26/2022

SCALE: 3" = 1'-0"
FILENAME: S317-F1592-A_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

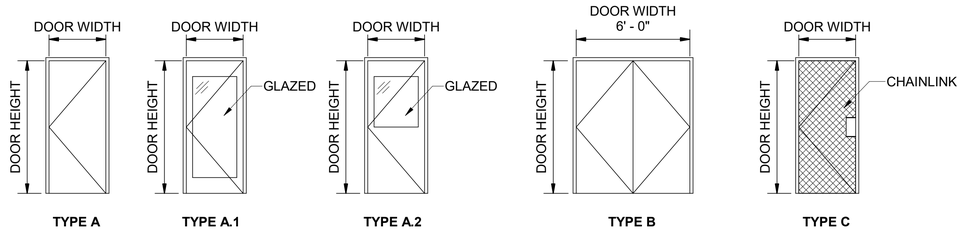
PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
ARCHITECTURAL
CURTAINWALL DETAILS

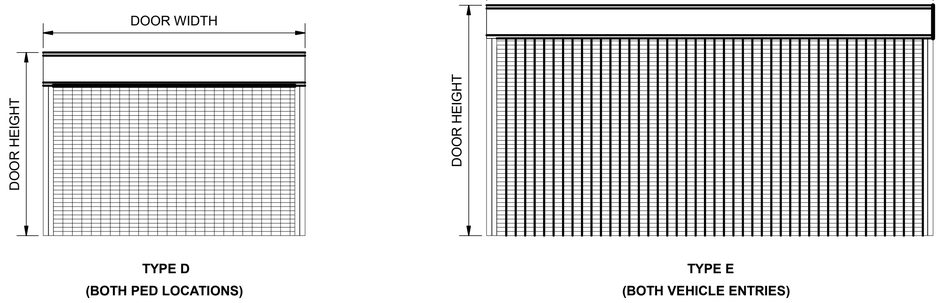
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FACILITY ID: F1592
SHEET No: 385
REV: 0

DOOR SCHEDULE

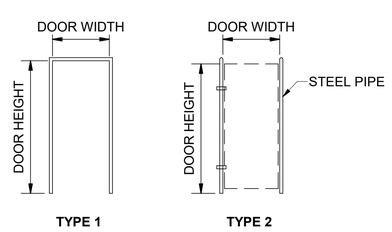
S	ROOM NAME	ROOM NO.	OPENING SIZE		DOOR							FRAME			DETAILS			FIRE RATING	CLOSER	PANIC HARDWARE	HARDWARE SET	CARD READER	DOOR SCHEDULE NOTES
			WIDTH	HEIGHT	TYPE	PAIR	MATERIAL	FINISH	VISION OPENING	STC RATING	UNDERCUT (IN.)	TYPE	MATERIAL	FINISH	JAMB	HEAD	THRESHOLD						
Level 1																							
592L102A	ELECT RM.	592L102	3' - 6"	7' - 0"	A		HM	HPC-2D				1	HM	HPC-2D			4/F1592-ADD101				4.0	YES	1
592L103A	FIRE SP RM.	592L103	3' - 0"	7' - 0"	A		HM	HPC-2D				1	HM	HPC-2D			4/F1592-ADD101				4.0	YES	1
592L104A	ELEV MAC RM.	592L104	6' - 0"	7' - 0"	B	YES	HM	HPC-2D				1	HM	HPC-2D			4/F1592-ADD101				2.0	YES	1
592L105A	JANITOR CLOSET	592L105	3' - 0"	7' - 0"	A		HM	HPC-2D				1	HM	HPC-2D			4/F1592-ADD101				3.0	YES	1
592L106A	COMM RM.	592L106	4' - 0"	8' - 0"	A		HM	HPC-2D				1	HM	HPC-2D			4/F1592-ADD101	90 MIN			6.0	YES	1
592L108A	STORAGE RM.	592L108	3' - 0"	7' - 0"	A		HM	HPC-2D				1	HM	HPC-2D			4/F1592-ADD101				5.1	YES	1
592L109A	MECH RM.	592L109	3' - 6"	7' - 0"	A		HM	HPC-2D				1	HM	HPC-2D			4/F1592-ADD101				5.1	YES	1
592L111A	SECURITY RM.	592L111	3' - 0"	7' - 0"	A		HM	HPC-2D				1	HM	HPC-2D			4/F1592-ADD101				3.0	YES	
GARAGE LEVEL 1																							
592L101A	ELEVATOR PLAZA		4' - 0"	7' - 0"	A.2		HM, GL-3	HPC-2A				1	HM	HPC-2A						YES	11.0	YES	PED GATE ADJACENT TO NORTH STAIR, ANTI-GRAFFITI BOTH SIDES
592L101B	PEDESTRIAN ENTRY		12' - 11 1/2"	9' - 3 1/2"	D		ALUM						STEEL								13.0	YES	GARAGE / EAST PED ENTRY
592L101C	SOUTH VEHICLE ENTRY		24' - 3"	11' - 4"	E		ALUM						STEEL								13.0	YES	SOUTH VEHICLE ENTRY
592L101E	NORTH VEHICLE ENTRY		22' - 9"	10' - 0"	E		ALUM						STEEL								13.0	YES	NORTH VEHICLE ENTRY
592L107A	VESTIBULE	592L107	3' - 6"	8' - 8"	C		CHAINLINK	GALV				2	STEEL PIPE	GALV						YES	12.0	YES	CHAINLINK GATE
592L110A	ELEV MAC RM.	592L110	3' - 0"	7' - 0"	A		HM	HPC-2E				1	HM	HPC-2E			8/F1592-ADD101				7.0	YES	1
592L112A	MECH CLOSET	592L112	4' - 0"	8' - 0"													4/F1592-ADD101				5.0		
592ST01A	EGRESS STAIR 01	592ST01	3' - 0"	7' - 0"	A.1		HM, GL-3	HPC-2E				1	HM	HPC-2E						YES	9.0	YES	EXIT DOOR TO SIDEWALK @ NORTH STAIR/GLAZED, ANTI-GRAFFITI BOTH SIDES
592ST01B	EGRESS STAIR 01	592ST01	3' - 0"	4' - 6"	C		CHAINLINK	GALV				2	STEEL PIPE	GALV							14.0		CHAINLINK GATE TO UNDERSIDE OF STAIR
592ST02A	EGRESS STAIR 02	592ST02	3' - 0"	7' - 0"	A		HM	HPC-2A				1	HM	HPC-2A						YES	10.0	YES	EXIT TO SIDEWALK
592ST02B	EGRESS STAIR 02	592ST02.	3' - 0"	4' - 6"	C		CHAINLINK	GALV				2	STEEL PIPE	GALV							14.0		CHAINLINK GATE TO UNDERSIDE OF STAIR
592ST03A	EGRESS STAIR 03	592ST03	4' - 0"	7' - 0"	C		CHAINLINK	GALV				1	STEEL PIPE	GALV							14.0		CHAINLINK GATE TO UNDERSIDE OF STAIR
EAST PAVILION LEVEL 1																							
592ST03B	EGRESS STAIR 03	592ST03	12' - 2"	11' - 6"	D		ALUM						STEEL								13.0	YES	OH COILING GRILLE
GARAGE LEVEL 2																							
592L202A	ELECT./ COMM CLOSET	592L202	6' - 0"	7' - 0"	B	YES	HM	HPC-2D				1	HM	HPC-2D			4/F1592-ADD101	90 MIN			1.0	YES	1
GARAGE LEVEL 3																							
592L302A	ELECT./ COMM CLOSET	592L302	6' - 0"	7' - 0"	B	YES	HM	HPC-2D				1	HM	HPC-2D			4/F1592-ADD101	90 MIN			1.0	YES	1
592L305A	ELEC MECH RM.	592L305	3' - 0"	6' - 8"	A		HM	HPC-2E				1	HM	HPC-2E			8/F1592-ADD101				7.0	YES	1
GARAGE LEVEL 4																							
592L402A	ELECT./ COMM CLOSET	592L402	6' - 0"	7' - 0"	B	YES	HM	HPC-2D				1	HM	HPC-2D			4/F1592-ADD101	90 MIN			1.0	YES	1

DOOR TYPES





FRAME TYPES



DOOR SCHEDULE NOTES

1. INSULATED DOOR TO MEET A MINIMUM U-VALUE OF 0.37.

2. PROVIDE ADA ACCESS BUTTON AT INTERIOR SIDE OF DOOR.

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	CD	PC	BC	FINAL AS-BUILT

DESIGNED BY: C. DOMINGUEZ
DRAWN BY: M. BRYANT/ N. SMITH
CHECKED BY: P. CHUBB
APPROVED BY: B. CONNOLLY

MITHŪN
HENSEL PHELPS Plan. Build. Manage.
kpff
SUBMITTED BY: SARA ROBERTS
DATE: 10/26/2022
REVIEWED BY: GREG SHIMIZU
DATE: 10/26/2022

LINE IS 1" AT FULL SCALE

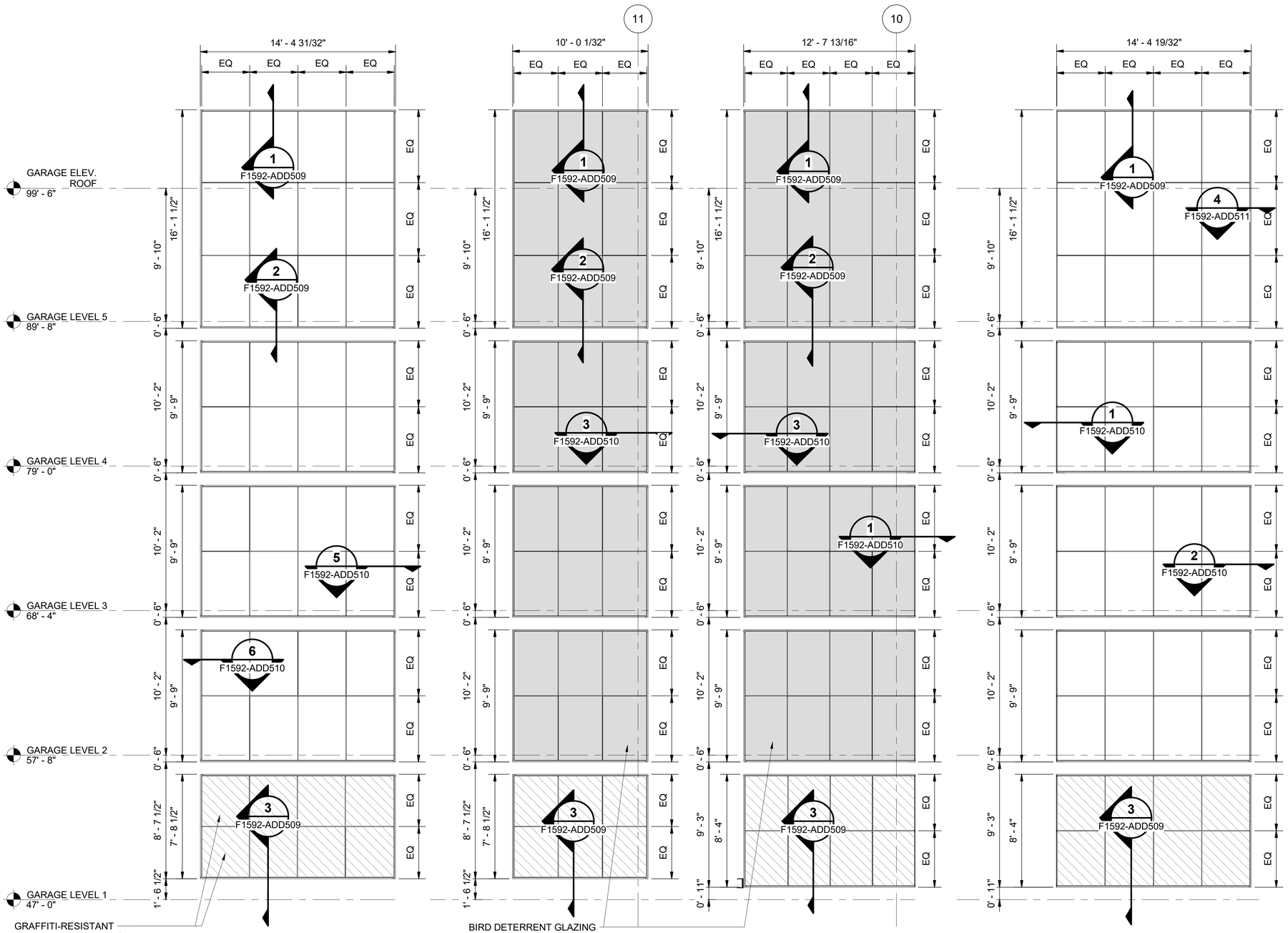
SOUNDTRANSIT

SCALE: NTS
FILENAME: S317-F1592-A_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
ARCHITECTURAL
DOOR SCHEDULE

DRAWING No.: F1592-ADS001
FACILITY ID: F1592
SHEET No.: 386
REV.: 0

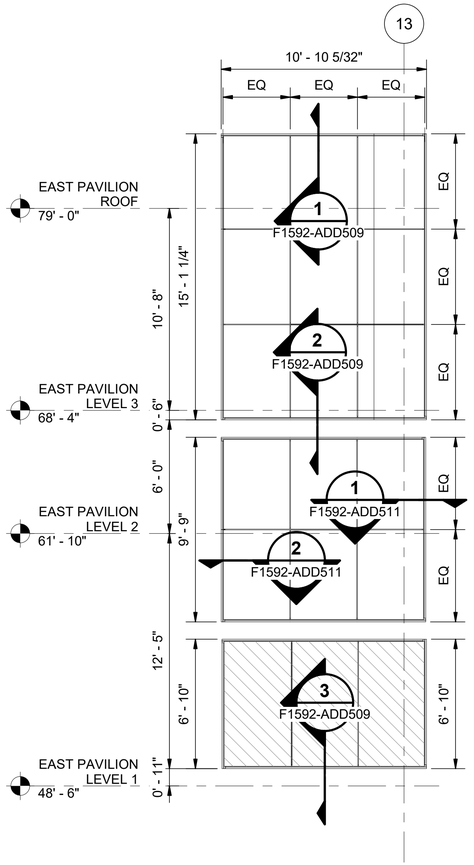
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CURTAIN WALL ECW-4 — 1 F1592-APP103
SCALE: 1/4" = 1'-0"

CURTAIN WALL ECW-2 & ECW-3 — 2 F1592-APP103
SCALE: 1/4" = 1'-0"

CURTAIN WALL ECW-1 — 3 F1592-APP103
SCALE: 1/4" = 1'-0"



CURTAIN WALL ECW-5 — 4 F1592-APP102
SCALE: 1/4" = 1'-0"

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FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	CD	PC	BC	FINAL AS-BUILT

DESIGNED BY: C. DOMINGUEZ
DRAWN BY: M. BRYANT/ N. SMITH
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APPROVED BY: B. CONNOLLY

MITHŪN
SUBMITTED BY: SARA ROBERTS

HENSEL PHELPS Plan. Build. Manage.
kpff
DATE: 10/26/2022
REVIEWED BY: GREG SHIMIZU

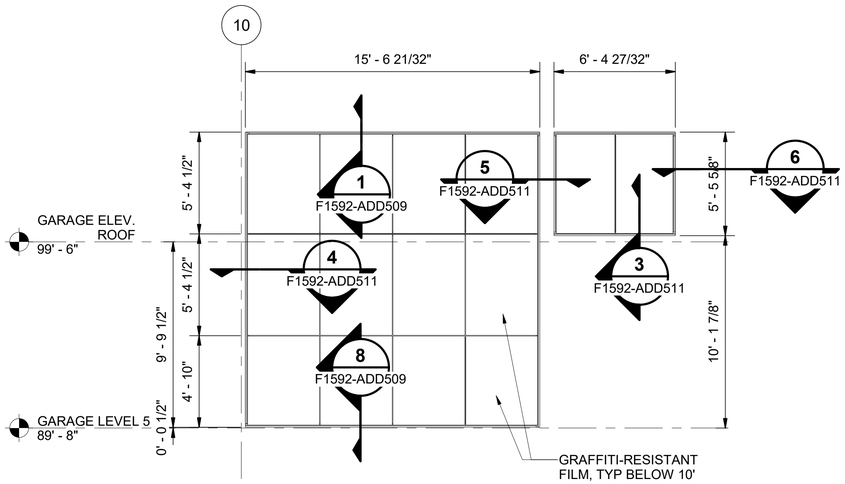
LINE IS 1" AT FULL SCALE

SOUNDTRANSIT
DATE: 10/26/2022

SCALE: 1/4" = 1'-0"
FILENAME: S317-F1592-A_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
ARCHITECTURAL
GLAZING SCHEDULE

DRAWING No.: F1592-ADS002
FACILITY ID: F1592
SHEET No.: 387
REV.: 0



CURTAIN WALL ECW-6 — 1 / F1592-ATP602

SCALE: 1/4" = 1'-0"

6/21/2022 4:20:53 PM
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DESIGNED BY: C. DOMINGUEZ
DRAWN BY: M. BRYANT/ N. SMITH
CHECKED BY: P. CHUBB
APPROVED BY: B. CONNOLLY

MITHŪN — SUBMITTED BY: SARA ROBERTS — DATE: 10/26/2022

HENSEL PHELPS Plan. Build. Manage. kpff — REVIEWED BY: GREG SHIMIZU — DATE: 10/26/2022

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT

SCALE: 1/4" = 1'-0"
FILENAME: S317-F1592-A_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
ARCHITECTURAL
GLAZING SCHEDULE

DRAWING No.: F1592-ADS003
FACILITY ID: F1592
SHEET No.: 388
REV.: 0

ROOM MATERIAL / FINISH SCHEDULE

ROOM NUMBER	ROOM NAME	FLOOR	BASE	CEILING	WALLS				ROOM COMMENTS
					NORTH	EAST	SOUTH	WEST	
592EL01	ELEVATOR 01	CONC		ETS, PAINTED	CURTAINWALL		GWB-1	GWB-1	SEE VERTICAL TRANSPORTATION CONSULTANT DRWGS FOR ALL CAB FINISHES
592EL02	ELEVATOR 02	CONC, TRAFFIC COATING		ETS, PAINTED	GWB	CURTAINWALL	GWB-1		SEE VERTICAL TRANSPORTATION CONSULTANT DRWGS FOR ALL CAB FINISHES
592EL03	ELEVATOR 03	CONC		ETS, PAINTED	CURTAINWALL	GWB-1	GWB-1	GWB-1	SEE VERTICAL TRANSPORTATION CONSULTANT DRWGS FOR ALL CAB FINISHES
592L102	ELECT RM.	CONC	RB - W ONLY	SPRAY FOAM INSUL	GWB-2	CMU-1	CMU-1	GWB-2	
592L103	FIRE SP RM.	CONC	RB - N ONLY	SPRAY FOAM INSUL	GWB-2	CMU-1	CMU-1	CMU-1	
592L104	ELEV MAC RM.	CONC	RB - N ONLY	SPRAY FOAM INSUL	GWB-1	GWB-1	CMU-1	CMU-1	
592L105	JANITOR CLOSET	CONC	RB - E/S ONLY	SPRAY FOAM INSUL	CMU-1	GWB-1	GWB-1	CMU-1	
592L106	COMM RM.	CONC	RB - E/S ONLY	SPRAY FOAM INSUL	CMU-1	PLYWOOD	GWB-1	GWB / CMU-1	
592L107	VESTIBULE	CONC		ETS	CMU-1	CMU-1		CMU-1	
592L108	STORAGE RM.	CONC	RB - E/S ONLY	SPRAY FOAM INSUL	CMU-1	GWB-1	GWB-1	GWB-1	
592L109	MECH RM.	CONC	RB - S ONLY	SPRAY FOAM INSUL	CMU-1	CMU-1	GWB-1	GWB-1	
592L110	ELEV MAC RM.	CONC	RB	ETS	GWB-1	GWB-1	GWB-1	GWB-1	
592L111	SECURITY RM.								
592L112	MECH CLOSET								
592L202	ELECT./ COMM CLOSET	CONC		SPRAY FOAM INSUL	GWB-1	GWB-1	GWB-1	GWB-1	
592L301	PEDESTRIAN BRIDGE	CIP-1	CONC	ETS-PNTD	SS-3		SS-3		
592L302	ELECT./ COMM CLOSET	CONC		SPRAY FOAM INSUL	GWB-1	GWB-1	GWB-1	GWB-1	
592L305	ELEC MECH RM.	CONC	RB	GWB-1	GWB-1	GWB-1	GWB-1	GWB-1	
592L402	ELECT./ COMM CLOSET	CONC		SPRAY FOAM INSUL	GWB	GWB-1	GWB-1	GWB-1	
592ST01	EGRESS STAIR 01	CONC/PRECAST		MTL PANEL	CURTAINWALL / MP-2	MP-2		CURTAINWALL	
592ST02.	EGRESS STAIR 02	CONC/PRECAST		ETS-PNTD					
592ST03	EGRESS STAIR 03	CONC/PRECAST		MTL PANEL	SS-3	SS-3	SS-3	MP-2	

PAINT/ COLOR SCHEDULE

MATERIAL DESCRIPTION	ID	COLOR	FINISH	DESCRIPTION	TYPICAL LOCATION
STEEL					
STRUCTURAL STEEL	ST - 1	MATCH SW 6994 - GREENBLACK	HPC-2A	HIGH PERFORMANCE COATING	ALL EXPOSED STRUCTURAL STEEL - UNO
GUARDRAILS	GRDR-1	MATCH SW 7674 - PEPPERCORN	HPC-2B	HIGH PERFORMANCE COATING	ALL STEEL GUARDRAILS - UNO
GUARDRAILS	GRDR-2	MATCH SW 6994 - GREENBLACK	HPC-2A	HIGH PERFORMANCE COATING	STEEL GUARDRAIL AT EAST END OF PED BRIDGE
HANDRAILS	HDRL-1	MATCH SW 7674 - PEPPERCORN	HPC-2B	HIGH PERFORMANCE COATING	ALL STEEL HANDRAILS - UNO
BOLLARDS	BD -1	MATCH SW 7674 - PEPPERCORN	HPC-2B	HIGH PERFORMANCE COATING	ALL STEEL BOLLARDS - UNO
CONCRETE					
CIP - VERT SURFACES L1	CIP-1	MATCH SW 6914 EYE CATCHING	HPC-1A	HIGH PERFORMANCE COATING	WAYFINDING, WILL INCLUDE ADDITIONAL GRAPHICS
CIP - VERT SURFACES L2	CIP-1	MATCH SW 6733 GRASSHOPPER	HPC-1B	HIGH PERFORMANCE COATING	WAYFINDING, WILL INCLUDE ADDITIONAL GRAPHICS
CIP - VERT SURFACES L3	CIP-1	MATCH SW 7598 SIERRA REDWOOD	HPC-1C	HIGH PERFORMANCE COATING	WAYFINDING, WILL INCLUDE ADDITIONAL GRAPHICS
CIP - VERT SURFACES L4	CIP-1	MATCH SW 6531 INDIGO	HPC-1D	HIGH PERFORMANCE COATING	WAYFINDING, WILL INCLUDE ADDITIONAL GRAPHICS
CIP - VERT SUFRACES L5	CIP-1	MATCH SW 6794 FLYWAY	HPC-1E	HIGH PERFORMANCE COATING	WAYFINDING, WILL INCLUDE ADDITIONAL GRAPHICS
METAL					
METAL WALL PANEL	MP-1	AEP SPAN - VINTAGE		PREMIUM COLOR - FACTORY APPLIED	ALL METAL WALL PANELS - UNO
METAL WALL PANEL	MP-2	MATCH SW 6789 BLUE MOSQUE		CUSTOM COLOR - FACTORY APPLIED	WHERE INDICATED ON DRAWINGS
METAL ROOF PANEL	MP-3	AEP SPAN - MIDNIGHT BRONZE		STANDARD COLOR - FACTORY APPLIED	ALL METAL ROOF PANELS - UNO
METAL SOFFIT PANEL	MP-4	AEP SPAN - MIDNIGHT BRONZE		STANDARD COLOR - FACTORY APPLIED	ALL METAL SOFFIT PANELS - UNO
METAL SOFFIT PANEL	MP-5	MATCH SW 6789 BLUE MOSQUE		CUSTOM COLOR - FACTORY APPLIED	WHERE INDICATED ON DRAWINGS
METAL WALL PANELS					
PERFORATED METAL PANEL	T-1	MATCH SW 6629 - JALAPENO	HPC-2C	HIGH PERFORMANCE COATING	ALL PERFORATED METAL PANELS - UNO
STRUCTURAL TS	T-2	MATCH SW 7674 - PEPPERCORN	HPC-2B	HIGH PERFORMANCE COATING	ALL STRUCT STEEL TS MEMBERS TO SUPPORT PERF. METAL PANELS
STRUCTURAL ANGLES	T-3	MATCH SW 2911 - POMPEII RED	HPC-2C	HIGH PERFORMANCE COATING	ALL STRUCT ANGLES TO SUPPORTS PERF. METAL PANELS
PERFORATED METAL PANEL	T-4	MATCH SW 6994 - GREENBLACK	HPC-2A	HIGH PERFORMANCE COATING	L1 STEEL EXIT DOORS
METAL PANEL	T-5	MATCH SW 6994 - GREENBLACK	HPC-2C	HIGH PERFORMANCE COATING	MEP ENCLOSURE, PIPE PROTECTION
METAL PANEL	T-6	MATCH SW 7674 - PEPPERCORN	HPC-2B	HIGH PERFORMANCE COATING	METAL INFILL PANELS ADJACENT TO PERF PANELS
SS MESH					
SCALE	SS-1	T316 STAINLESS STEEL		MILL FINISH	GARAGE LEVELS 2-4 UNO, PEDESTRIAN BRIDGE
SCALE	SS-2	PEARL COPPER		TIGER DRYLAC POWDER COATING	WHERE INDICATED ON DRAWINGS
MID-SHADE	SS-3	T316 STAINLESS STEEL		MILL FINISH	GARAGE LEVEL 1, EAST ABUTMENT
HM DOORS & FRAMES					
HM FRAMES	HMF-1	SW 7655 STAMPED CONCRETE	HPC-2D	HIGH PERFORMANCE COATING	ALL HM FRAMES -UNO
HM FRAMES	HMF-2	SW 7048 URBANE BRONZE	HPC-2E	HIGH PERFORMANCE COATING	HM FRAME AT EXTERIOR METAL PANEL WALL (MP-1)
HM DOORS	HMD-1	SW 7655 STAMPED CONCRETE	HPC-2D	HIGH PERFORMANCE COATING	ALL HM DOORS - UNO
HM-DOORS	HMD-2	SW 7048 URBANE BRONZE	HPC-2E	HIGH PERFORMANCE COATING	HM DOOR AT EXTERIOR METAL PANEL WALL (MP-1)

PAINT/ COLOR SCHEDULE

MATERIAL DESCRIPTION	ID	COLOR	FINISH	DESCRIPTION	TYPICAL LOCATION
LOUVERS					
FIXED LOUVERS	LV-1	RUSKIN - DARK BRONZE - 75		STANDARD COLOR - FACTORY APPLIED	ALL ARCHITECTURAL LOUVERS - UNO
BRICK					
FACE BRICK	BRK-1	FOREST BLEND		MISSION TEXTURE	ALL BRICK - UNO
CURTAIN WALL					
ALUMINUM FRAMES	AFCW-1	RAL 7039 49/71020		FLUOROPOLYMER - FACTORY APPLIED	ALL CURTAIN WALL - UNO
CMU					
INTERIOR WALLS	CMU-3B	NATURAL		GROUND FACE	ALL CMU WALLS - UNO
EXTERIOR WALLS	CMU-3B	NATURAL		GROUND FACE	NORTH EXTERIOR ELEVATION ONLY
EXTERIOR WALLS	CMU-3A	KHAKI		GROUND FACE	NORTH EXTERIOR ELEVATION ONLY (25%) RANDOM PATTERN MIX
PLASTIC LAMINATE					
PLASTIC LAMINATE	PLAM-1	WILSONART FRENCH LINEN 5016			SECURITY ROOM COUNTER
PLASTIC LAMINATE	PLAM-2	FORMICA ALUMIMUM BRUSH 9318-BH			SECURITY ROOM CABINETS
ROLLER SHADE					
MECHOSYSTEMS ECOVEIL SHEER		6861 METAL - 1% OPEN			SECURITY ROOM WINDOW
PAINT					
TYP INTERIOR WALLS		SW 7657 TINSMITH	PNT-1		FINISHED GWB - UNO
SECURITY RM INTERIOR WALLS		SW 7005 PURE WHITE	PNT-2		SECURITY ROOM

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	CD	PC	BC	FINAL AS-BUILT

DESIGNED BY: C. DOMINGUEZ
DRAWN BY: M. BRYANT/ N. SMITH
CHECKED BY: P. CHUBB
APPROVED BY: B. CONNOLLY

MITHŪN
SUBMITTED BY: SARA ROBERTS

HENSEL PHELPS Plan. Build. Manage.
kpff
DATE: 10/26/2022
REVIEWED BY: GREG SHIMIZU

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT
DATE: 10/26/2022

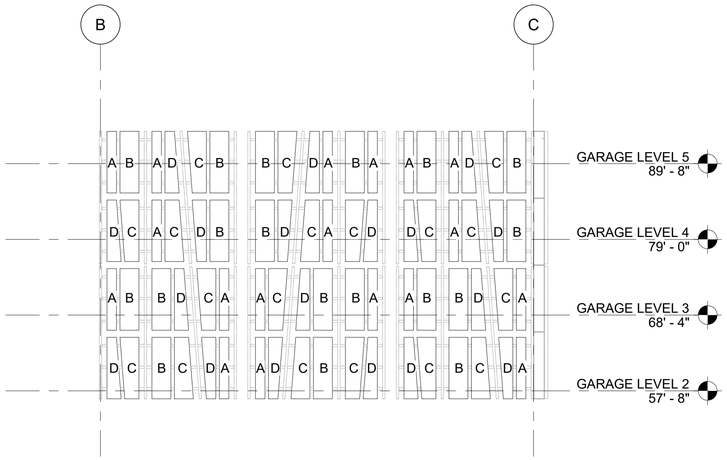
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CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
ARCHITECTURAL
FINISH SCHEDULE

DRAWING No.: F1592-AFS004
FACILITY ID: F1592
SHEET No: 389
REV: 0

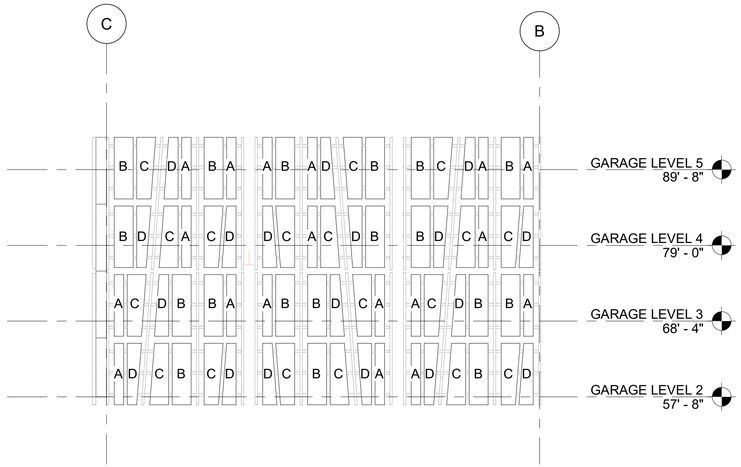
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PERF PANEL SCHEDULE	
DESCRIPTION	COUNT
PANEL A	89
PANEL B	93
PANEL C	110
PANEL D	112
Grand total	404



WEST ELEVATION PERFORATED PANEL LAYOUT — 2 / F1592-AEE401

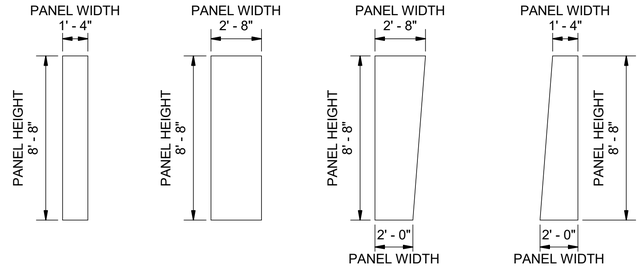
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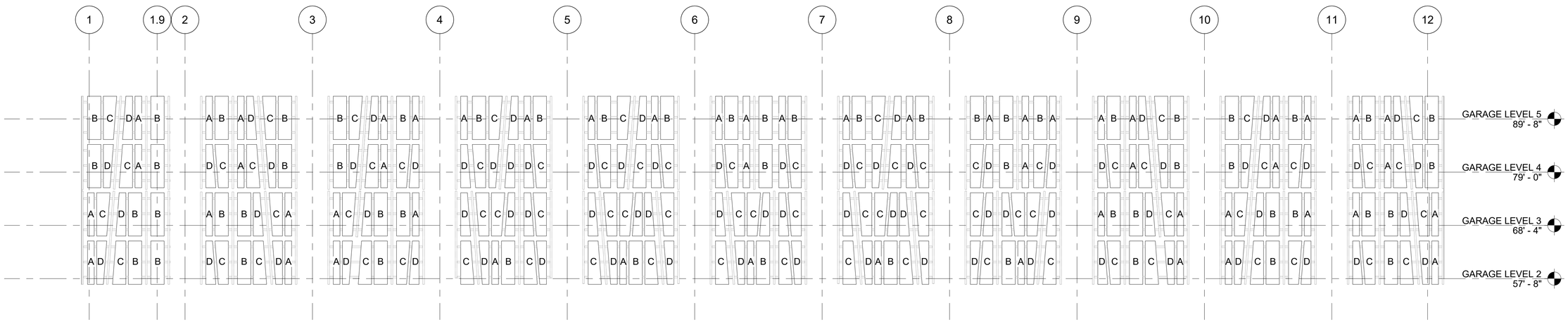


EAST ELEVATION PERFORATED PANEL LAYOUT — 3 / F1592-AEE402

SCALE: 3/32" = 1'-0"

PERFORATED PANEL TYPES





SOUTH ELEVATION PERFORATED PANEL LAYOUT — 1 / F1592-AEE301

SCALE: 3/32" = 1'-0"

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DRAWN BY: M. BRYANT/ N. SMITH
CHECKED BY: P. CHUBB
APPROVED BY: B. CONNOLLY

MITHŪN
SUBMITTED BY: SARA ROBERTS

HENSEL PHELPS Plan. Build. Manage.
kpff
DATE: 10/26/2022

REVIEWED BY: GREG SHIMIZU

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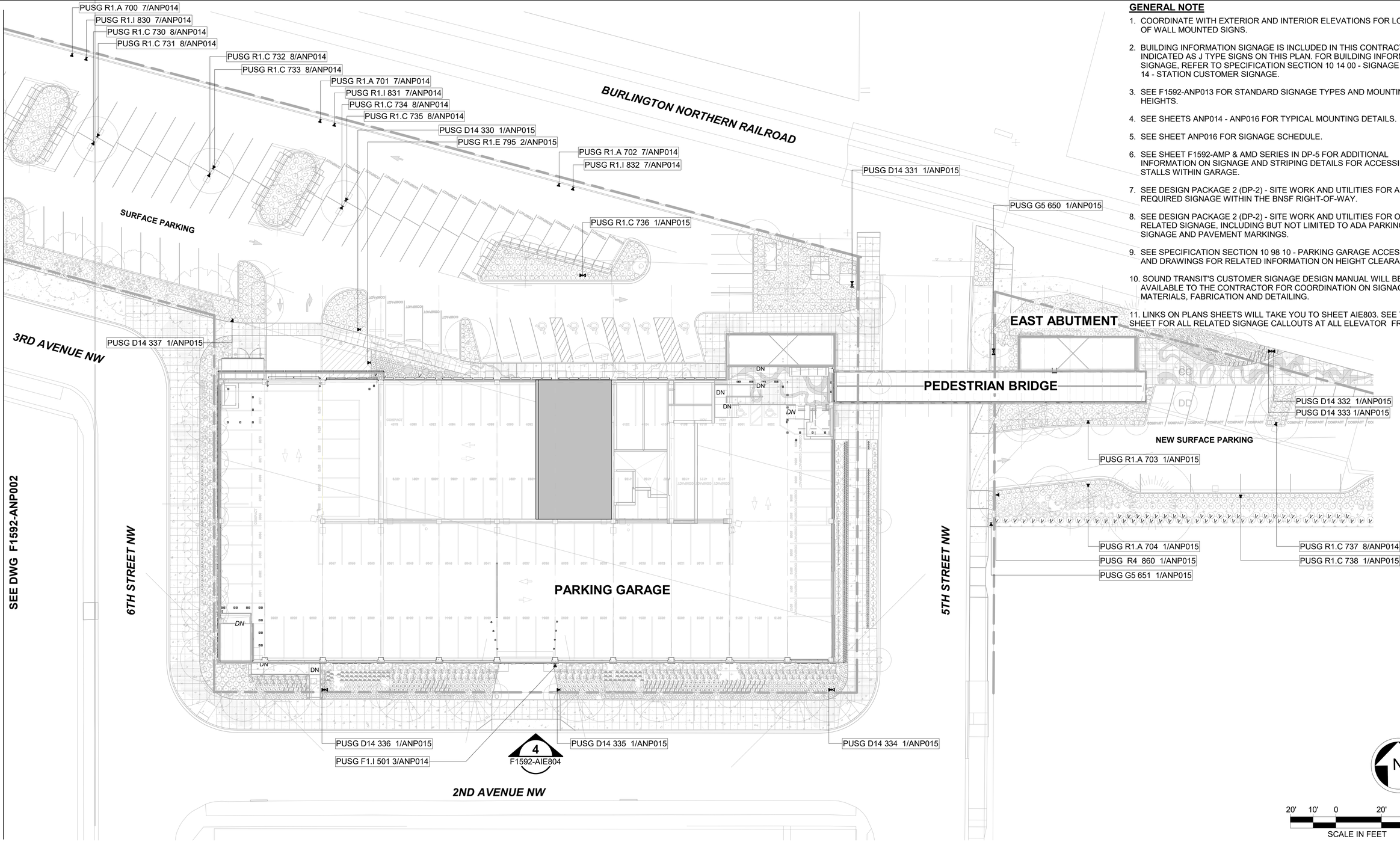
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DATE: 10/26/2022

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FILENAME: S317-F1592-A_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
ARCHITECTURAL
PERFORATED PANEL SCHEDULE

DRAWING No.: F1592-ADS005
FACILITY ID: F1592
SHEET No: 390
REV: 0

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GENERAL NOTE

1. COORDINATE WITH EXTERIOR AND INTERIOR ELEVATIONS FOR LOCATIONS OF WALL MOUNTED SIGNS.
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3. SEE F1592-ANP013 FOR STANDARD SIGNAGE TYPES AND MOUNTING HEIGHTS.
4. SEE SHEETS ANP014 - ANP016 FOR TYPICAL MOUNTING DETAILS.
5. SEE SHEET ANP016 FOR SIGNAGE SCHEDULE.
6. SEE SHEET F1592-AMP & AMD SERIES IN DP-5 FOR ADDITIONAL INFORMATION ON SIGNAGE AND STRIPING DETAILS FOR ACCESSIBLE STALLS WITHIN GARAGE.
7. SEE DESIGN PACKAGE 2 (DP-2) - SITE WORK AND UTILITIES FOR ALL REQUIRED SIGNAGE WITHIN THE BNSF RIGHT-OF-WAY.
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9. SEE SPECIFICATION SECTION 10 98 10 - PARKING GARAGE ACCESSORIES AND DRAWINGS FOR RELATED INFORMATION ON HEIGHT CLEARANCE BARS.
10. SOUND TRANSIT'S CUSTOMER SIGNAGE DESIGN MANUAL WILL BE MADE AVAILABLE TO THE CONTRACTOR FOR COORDINATION ON SIGNAGE MATERIALS, FABRICATION AND DETAILING.
11. LINKS ON PLANS SHEETS WILL TAKE YOU TO SHEET AIE803. SEE THIS SHEET FOR ALL RELATED SIGNAGE CALLOUTS AT ALL ELEVATOR FRONTS.

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	CD	PC	BC	FINAL AS-BUILT

DESIGNED BY: C. DOMINGUEZ
DRAWN BY: M. BRYANT/ N. SMITH
CHECKED BY: P. CHUBB
APPROVED BY: B. CONNOLLY

MITHŪN
SUBMITTED BY: SARA ROBERTS
DATE: 10/26/2022

HENSEL PHELPS Plan. Build. Manage.
kpff
REVIEWED BY: GREG SHIMIZU
DATE: 10/26/2022

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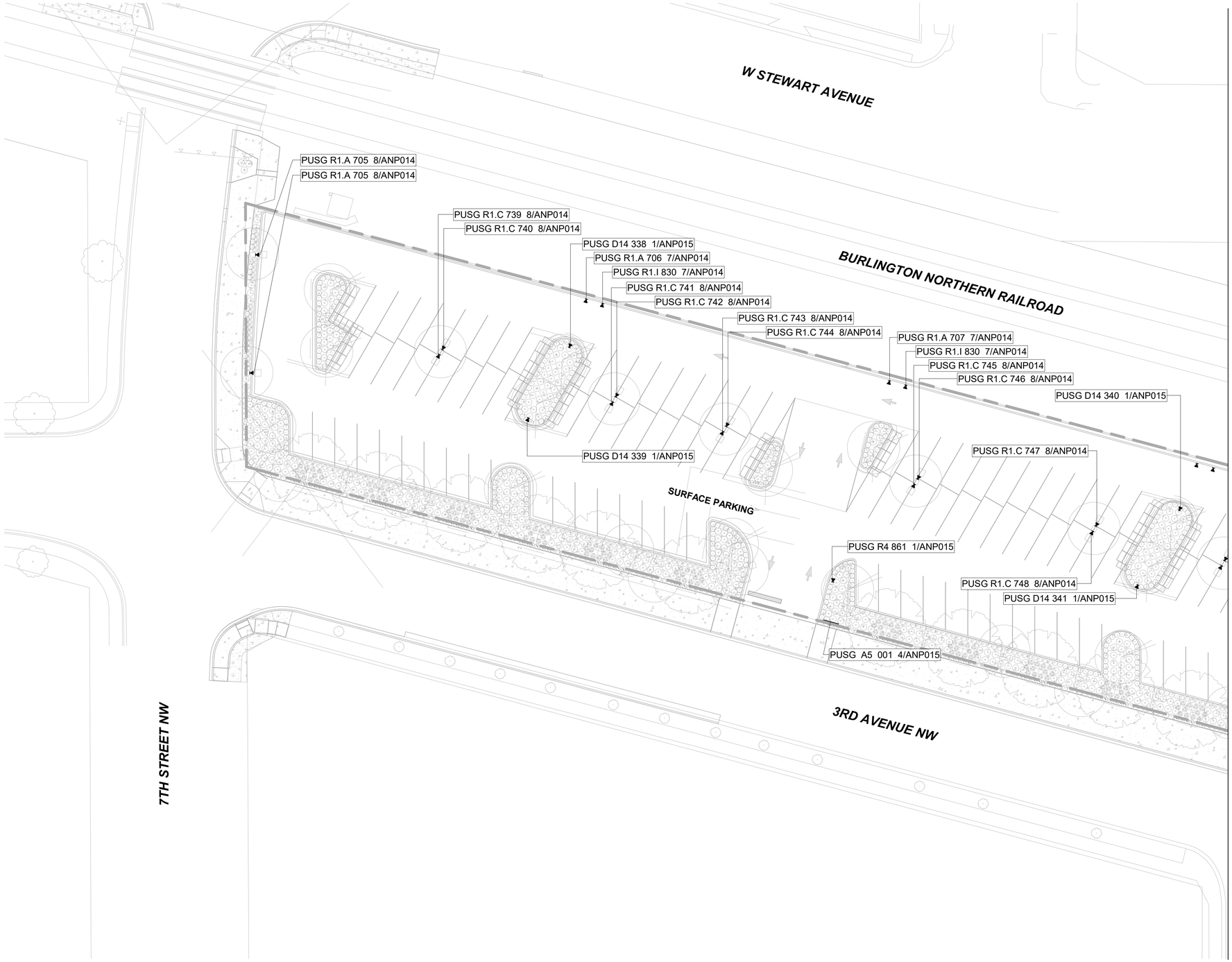
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SUBMITTAL DATE: 10/26/2022

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FILENAME: S317-F1592-A_v2020
CONTRACT No.: RTA/CN 0612-18

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
ARCHITECTURAL
SITE SIGNAGE PLAN EAST

DRAWING No.: F1592-ANP001
FACILITY ID: F1592
SHEET No.: 391
REV.: 0

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GENERAL NOTE

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3. SEE F1592-ANP013 FOR STANDARD SIGNAGE TYPES AND MOUNTING HEIGHTS.
4. SEE SHEETS ANP014 - ANP016 FOR TYPICAL MOUNTING DETAILS.
5. SEE SHEET ANP016 FOR SIGNAGE SCHEDULE.
6. SEE SHEET F1592-AMP & AMD SERIES IN DP-5 FOR ADDITIONAL INFORMATION ON SIGNAGE AND STRIPING DETAILS FOR ACCESSIBLE STALLS WITHIN GARAGE.
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N

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FINAL AS-BUILT

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0	10/26/2022	CD	PC	BC	FINAL AS-BUILT

DESIGNED BY: C. DOMINGUEZ
DRAWN BY: M. BRYANT/ N. SMITH
CHECKED BY: P. CHUBB
APPROVED BY: B. CONNOLLY

MITHŪN
SUBMITTED BY: SARA ROBERTS
DATE: 10/26/2022

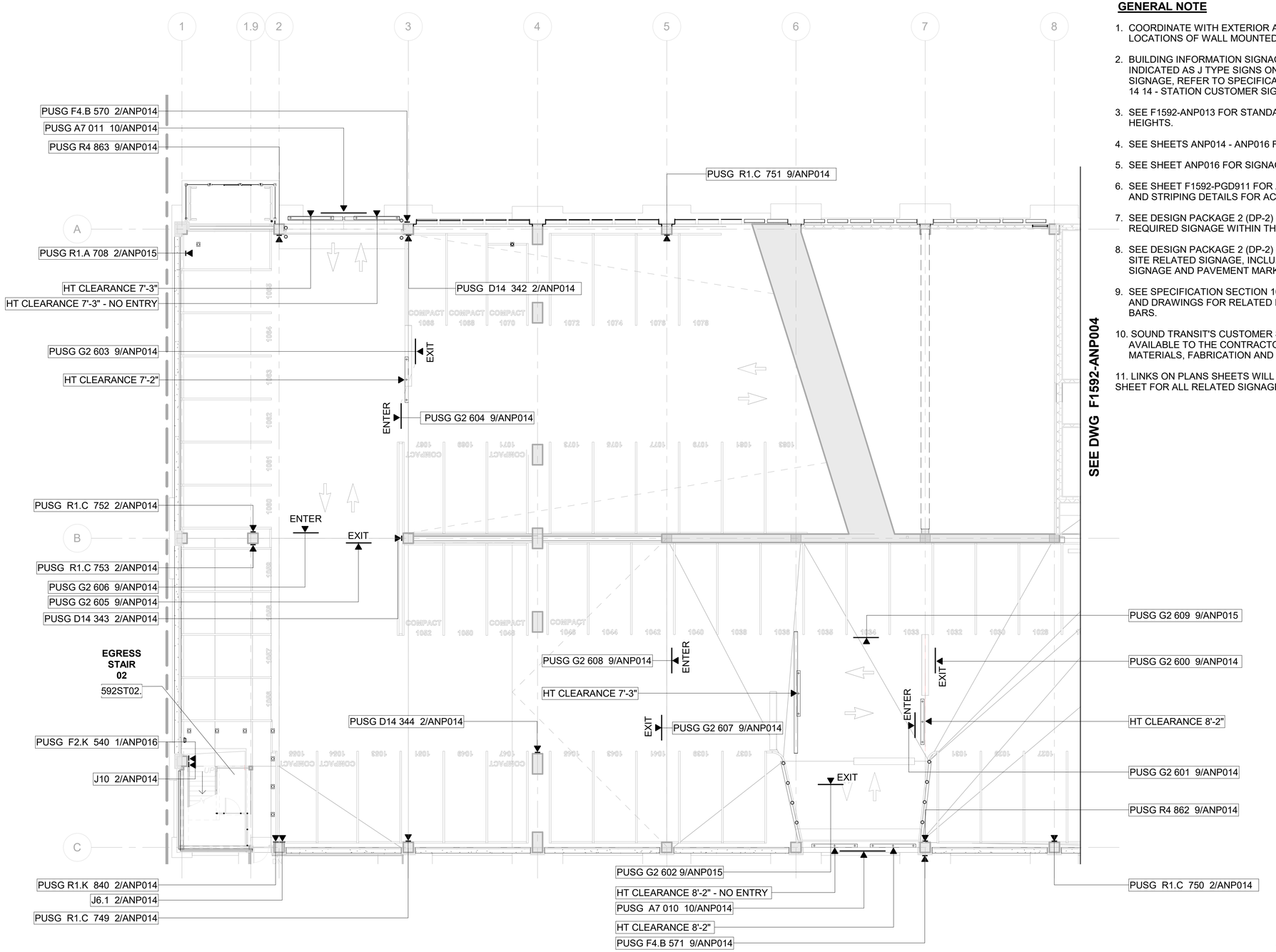
HENSEL PHELPS Plan. Build. Manage.
kpff
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DATE: 10/26/2022

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SOUNDTRANSIT
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FILENAME: S317-F1592-A_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
ARCHITECTURAL
SITE SIGNAGE PLAN WEST

DRAWING No.: F1592-ANP002
FACILITY ID: F1592
SHEET No.: 392
REV.: 0



GENERAL NOTE

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3. SEE F1592-ANP013 FOR STANDARD SIGNAGE TYPES AND MOUNTING HEIGHTS.
4. SEE SHEETS ANP014 - ANP016 FOR TYPICAL MOUNTING DETAILS.
5. SEE SHEET ANP016 FOR SIGNAGE SCHEDULE.
6. SEE SHEET F1592-PGD911 FOR ADDITIONAL INFORMATION ON SIGNAGE AND STRIPING DETAILS FOR ACCESSIBLE STALLS WITHIN GARAGE.
7. SEE DESIGN PACKAGE 2 (DP-2) - SITE WORK AND UTILITIES FOR ALL REQUIRED SIGNAGE WITHIN THE BNSF RIGHT-OF-WAY.
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DRAWN BY: M. BRYANT/ N. SMITH
CHECKED BY: P. CHUBB
APPROVED BY: B. CONNOLLY

MITHŪN
SUBMITTED BY: SARA ROBERTS

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DATE: 10/26/2022
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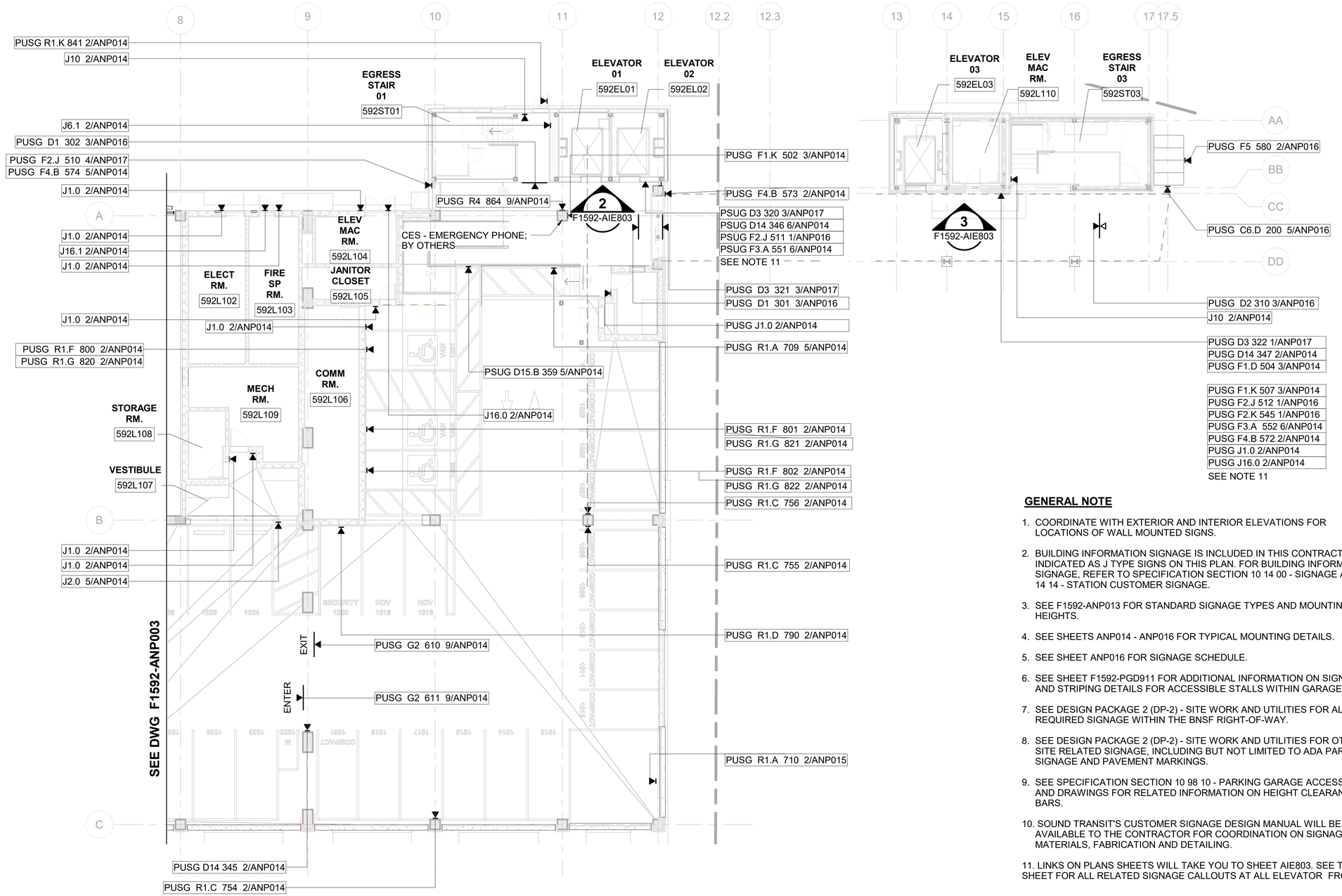
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DATE: 10/26/2022

SCALE: 3/32" = 1'-0"
FILENAME: S317-F1592-A_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
ARCHITECTURAL
SIGNAGE PLAN - LEVEL 1 WEST

DRAWING No.: F1592-ANP003
FACILITY ID: F1592
SHEET No.: 393
REV.: 0

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N

4' 0' 8' 16' 32'

SCALE IN FEET

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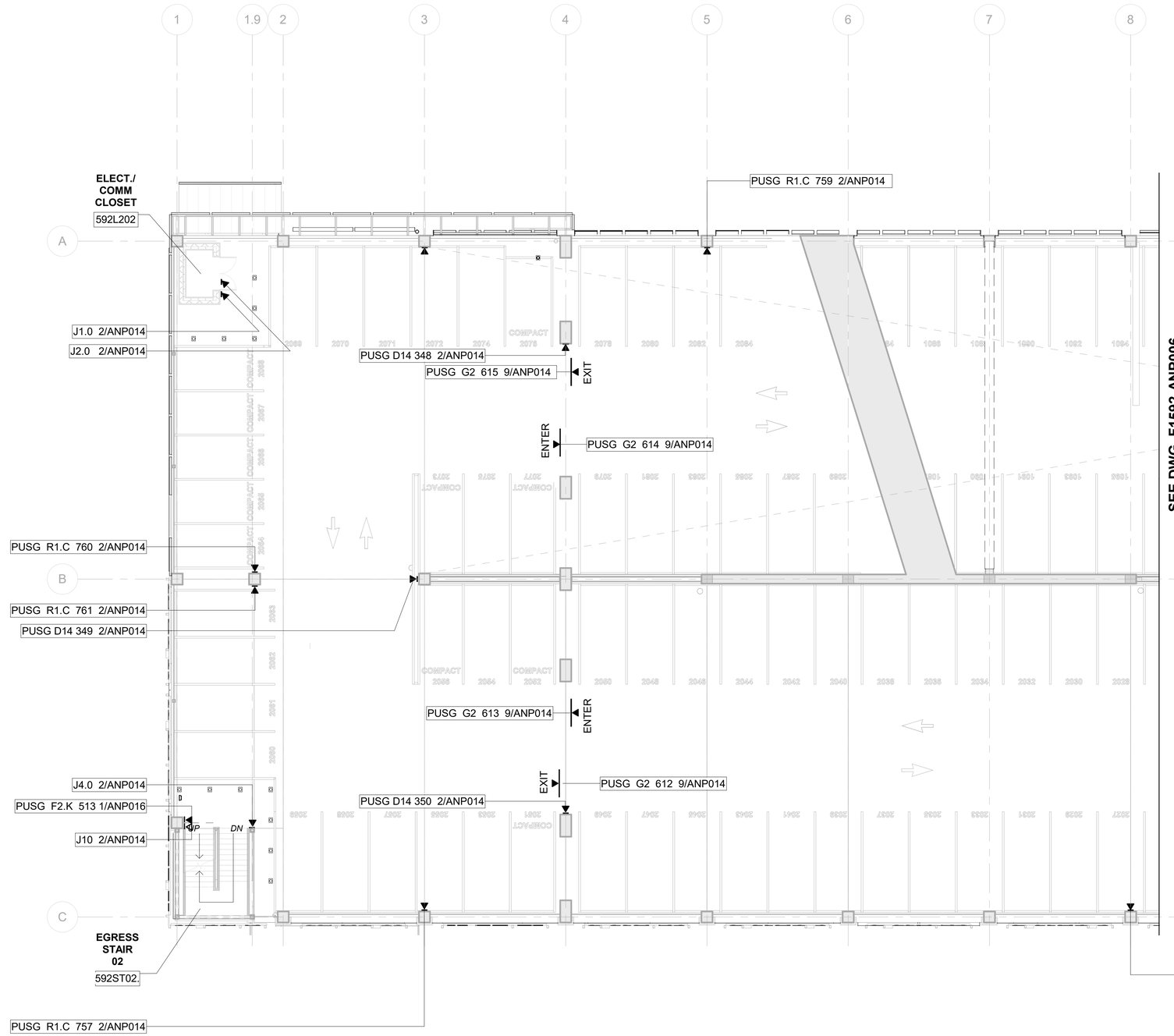
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SOUNDTRANSIT
DATE: 10/26/2022

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FILENAME: S317-F1592-A_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
ARCHITECTURAL
SIGNAGE PLAN - LEVEL 1 EAST

DRAWING No.: F1592-ANP004
FACILITY ID: F1592
SHEET No.: 394
REV.: 0



GENERAL NOTE

1. COORDINATE WITH EXTERIOR AND INTERIOR ELEVATIONS FOR LOCATIONS OF WALL MOUNTED SIGNS.
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3. SEE F1592-ANP013 FOR STANDARD SIGNAGE TYPES AND MOUNTING HEIGHTS.
4. SEE SHEETS ANP014 - ANP016 FOR TYPICAL MOUNTING DETAILS.
5. SEE SHEET ANP016 FOR SIGNAGE SCHEDULE.
6. SEE SHEET F1592-PGD911 FOR ADDITIONAL INFORMATION ON SIGNAGE AND STRIPING DETAILS FOR ACCESSIBLE STALLS WITHIN GARAGE.
7. SEE DESIGN PACKAGE 2 (DP-2) - SITE WORK AND UTILITIES FOR ALL REQUIRED SIGNAGE WITHIN THE BNSF RIGHT-OF-WAY.
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10. SOUND TRANSIT'S CUSTOMER SIGNAGE DESIGN MANUAL WILL BE MADE AVAILABLE TO THE CONTRACTOR FOR COORDINATION ON SIGNAGE MATERIALS, FABRICATION AND DETAILING.
11. LINKS ON PLANS SHEETS WILL TAKE YOU TO SHEET AIE803. SEE THIS SHEET FOR ALL RELATED SIGNAGE CALLOUTS AT ALL ELEVATOR FRONTS.

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	CD	PC	BC	FINAL AS-BUILT

DESIGNED BY: C. DOMINGUEZ
DRAWN BY: M. BRYANT/ N. SMITH
CHECKED BY: P. CHUBB
APPROVED BY: B. CONNOLLY

MITHŪN
SUBMITTED BY: SARA ROBERTS
DATE: 10/26/2022

HENSEL PHELPS Plan. Build. Manage.
kpff
REVIEWED BY: GREG SHIMIZU
DATE: 10/26/2022

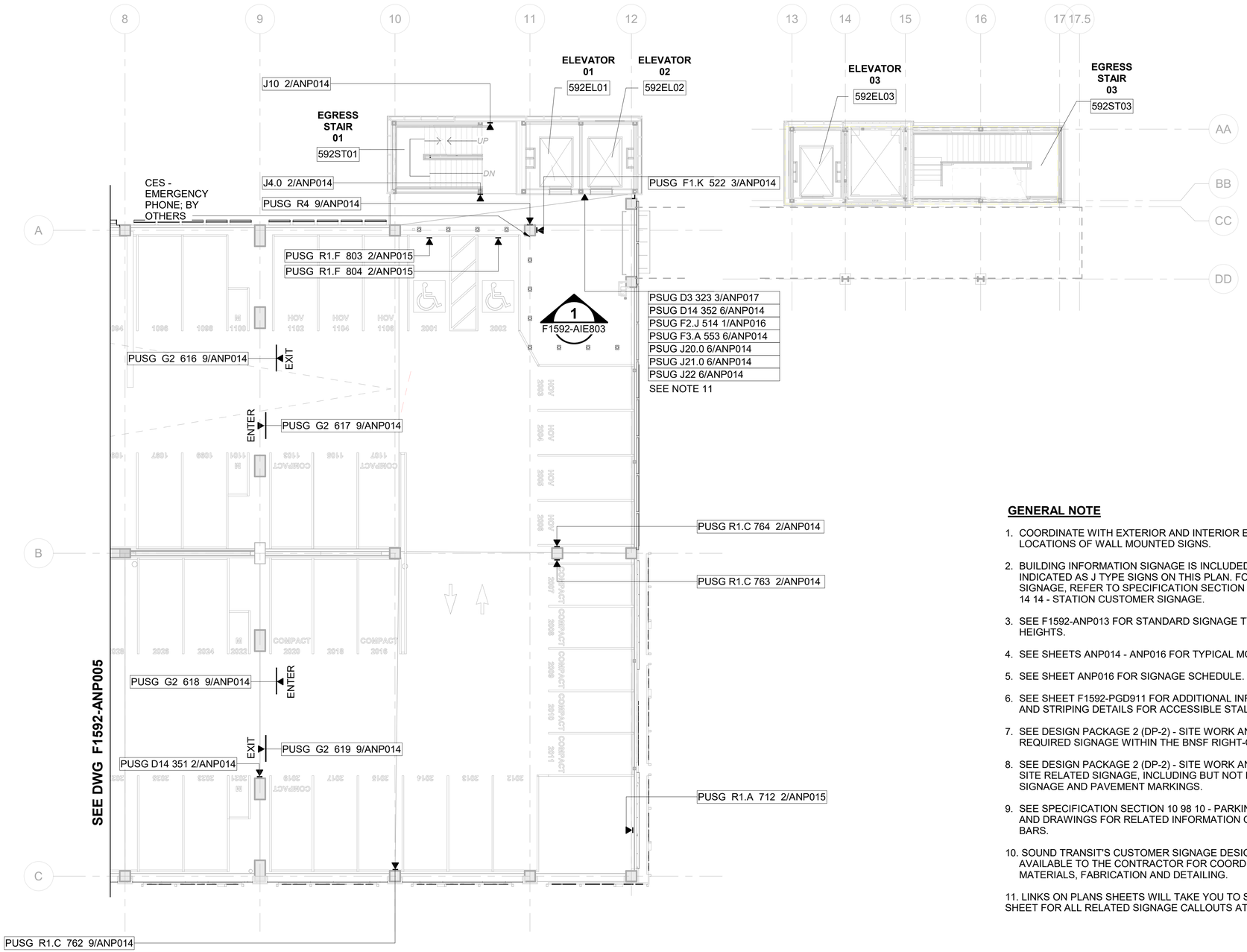
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SOUNDTRANSIT
SCALE: 3/32" = 1'-0"
FILENAME: S317-F1592-A_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
ARCHITECTURAL
SIGNAGE PLAN - LEVEL 2 WEST

DRAWING No.: F1592-ANP005
FACILITY ID: F1592
SHEET No.: 395
REV.: 0

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GENERAL NOTE

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3. SEE F1592-ANP013 FOR STANDARD SIGNAGE TYPES AND MOUNTING HEIGHTS.
4. SEE SHEETS ANP014 - ANP016 FOR TYPICAL MOUNTING DETAILS.
5. SEE SHEET ANP016 FOR SIGNAGE SCHEDULE.
6. SEE SHEET F1592-PGD911 FOR ADDITIONAL INFORMATION ON SIGNAGE AND STRIPING DETAILS FOR ACCESSIBLE STALLS WITHIN GARAGE.
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N

4' 0' 8' 16' 32'

SCALE IN FEET

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	CD	PC	BC	FINAL AS-BUILT

DESIGNED BY: C. DOMINGUEZ
DRAWN BY: M. BRYANT/ N. SMITH
CHECKED BY: P. CHUBB
APPROVED BY: B. CONNOLLY

MITHŪN
SUBMITTED BY: SARA ROBERTS

HENSEL PHELPS Plan. Build. Manage.
kpff
DATE: 10/26/2022

REVIEWED BY: GREG SHIMIZU
DATE: 10/26/2022

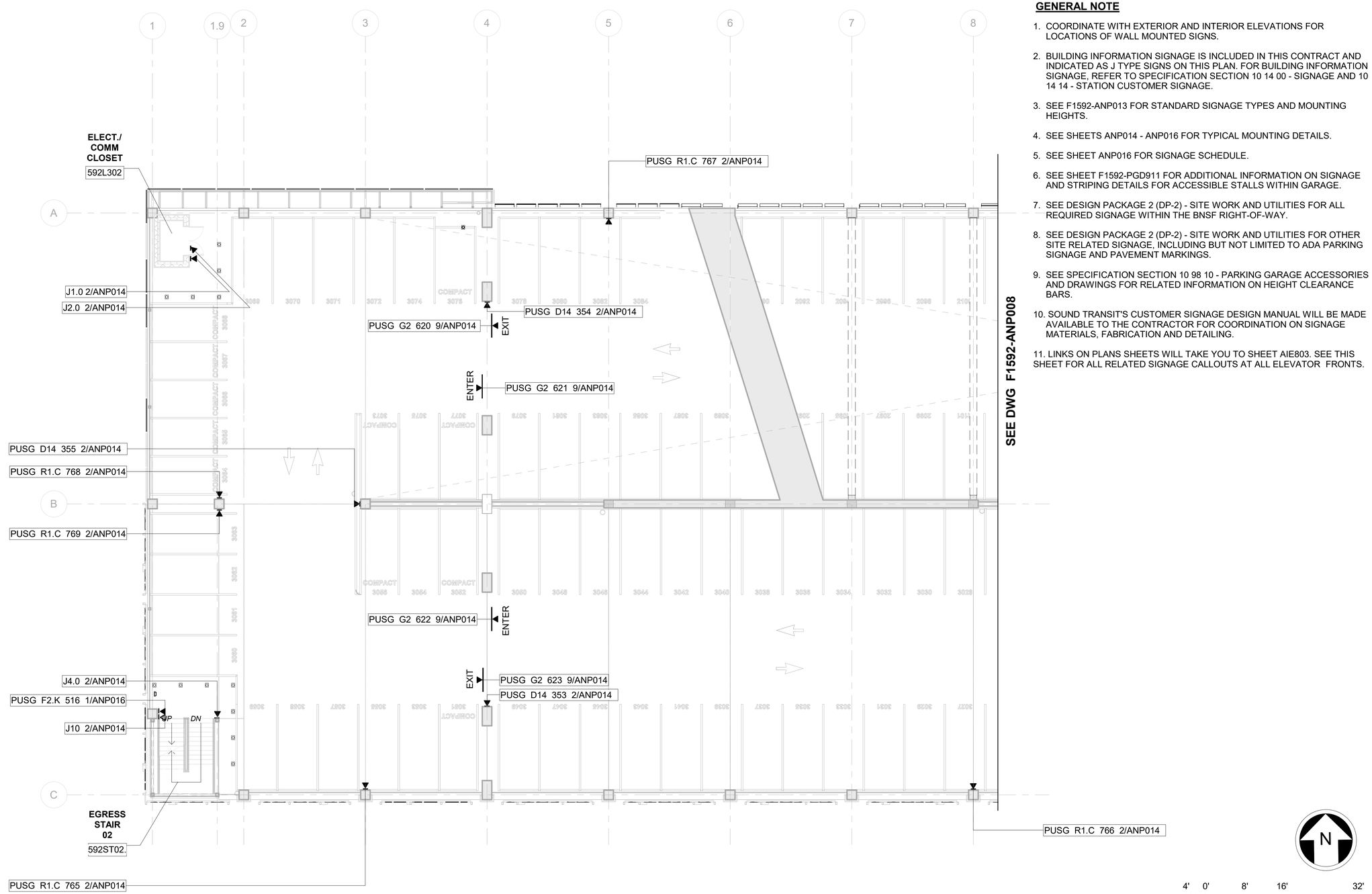
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SOUNDTRANSIT
SCALE: 3/32" = 1'-0"
FILENAME: S317-F1592-A_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
ARCHITECTURAL
SIGNAGE PLAN - LEVEL 2 EAST

DRAWING No.: F1592-ANP006
FACILITY ID: F1592
SHEET No.: 396
REV.: 0

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GENERAL NOTE

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4. SEE SHEETS ANP014 - ANP016 FOR TYPICAL MOUNTING DETAILS.
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6. SEE SHEET F1592-PGD911 FOR ADDITIONAL INFORMATION ON SIGNAGE AND STRIPING DETAILS FOR ACCESSIBLE STALLS WITHIN GARAGE.
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FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	CD	PC	BC	FINAL AS-BUILT

DESIGNED BY: C. DOMINGUEZ
DRAWN BY: M. BRYANT/ N. SMITH
CHECKED BY: P. CHUBB
APPROVED BY: B. CONNOLLY

MITHŪN
SUBMITTED BY: SARA ROBERTS

HENSEL PHELPS
Plan. Build. Manage.
kpff
DATE: 10/26/2022
REVIEWED BY: GREG SHIMIZU

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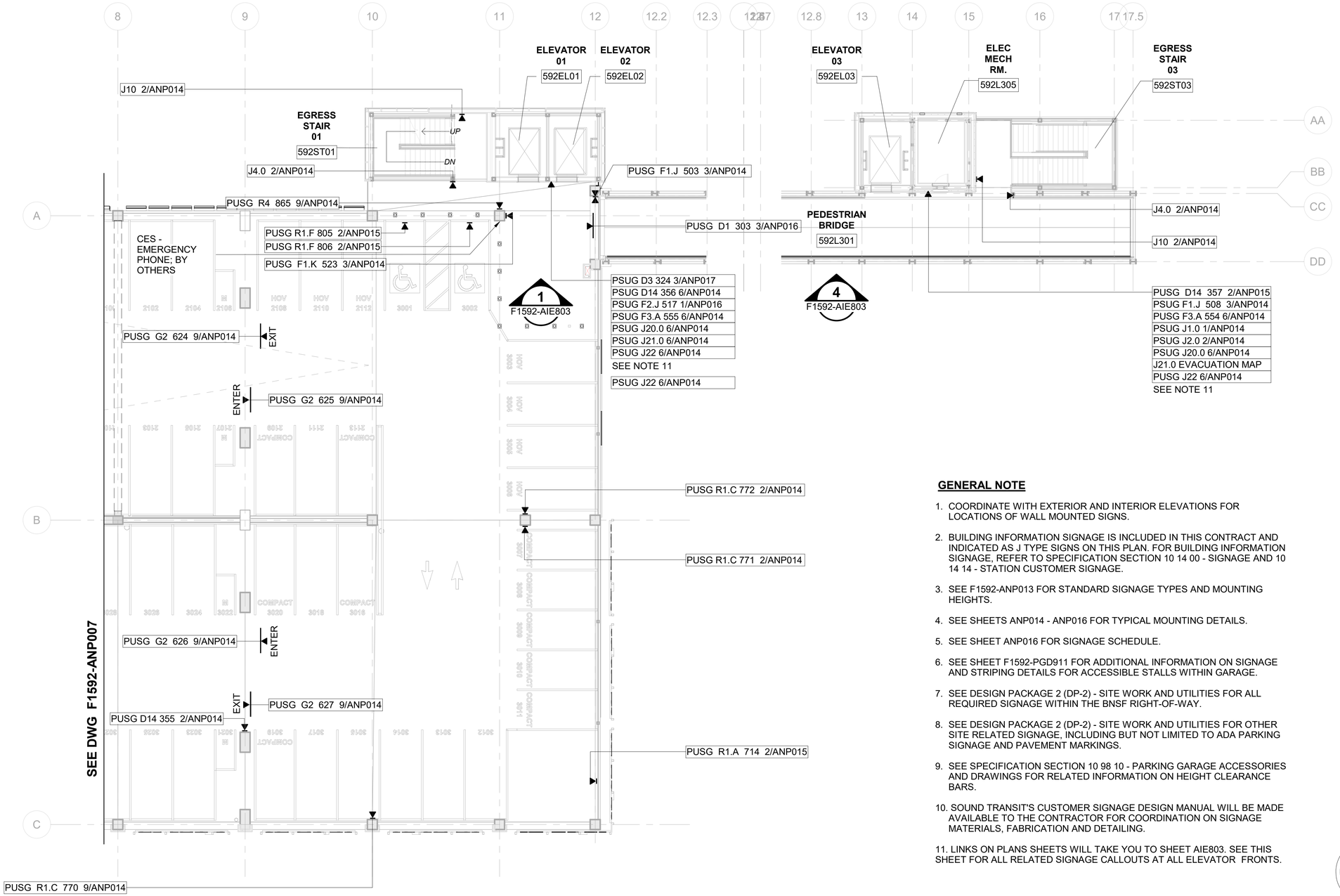
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DATE: 10/26/2022

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FILENAME: S317-F1592-A_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
ARCHITECTURAL
SIGNAGE PLAN - LEVEL 3 WEST

DRAWING No.: F1592-ANP007
FACILITY ID: F1592
SHEET No: 397
REV: 0

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GENERAL NOTE

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4. SEE SHEETS ANP014 - ANP016 FOR TYPICAL MOUNTING DETAILS.
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N

4' 0' 8' 16' 32'

SCALE IN FEET

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FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	CD	PC	BC	FINAL AS-BUILT

DESIGNED BY: C. DOMINGUEZ
DRAWN BY: M. BRYANT/ N. SMITH
CHECKED BY: P. CHUBB
APPROVED BY: B. CONNOLLY

MITHŪN — SUBMITTED BY: SARA ROBERTS — DATE: 10/26/2022

HENSEL PHELPS Plan. Build. Manage. kpff — REVIEWED BY: GREG SHIMIZU — DATE: 10/26/2022

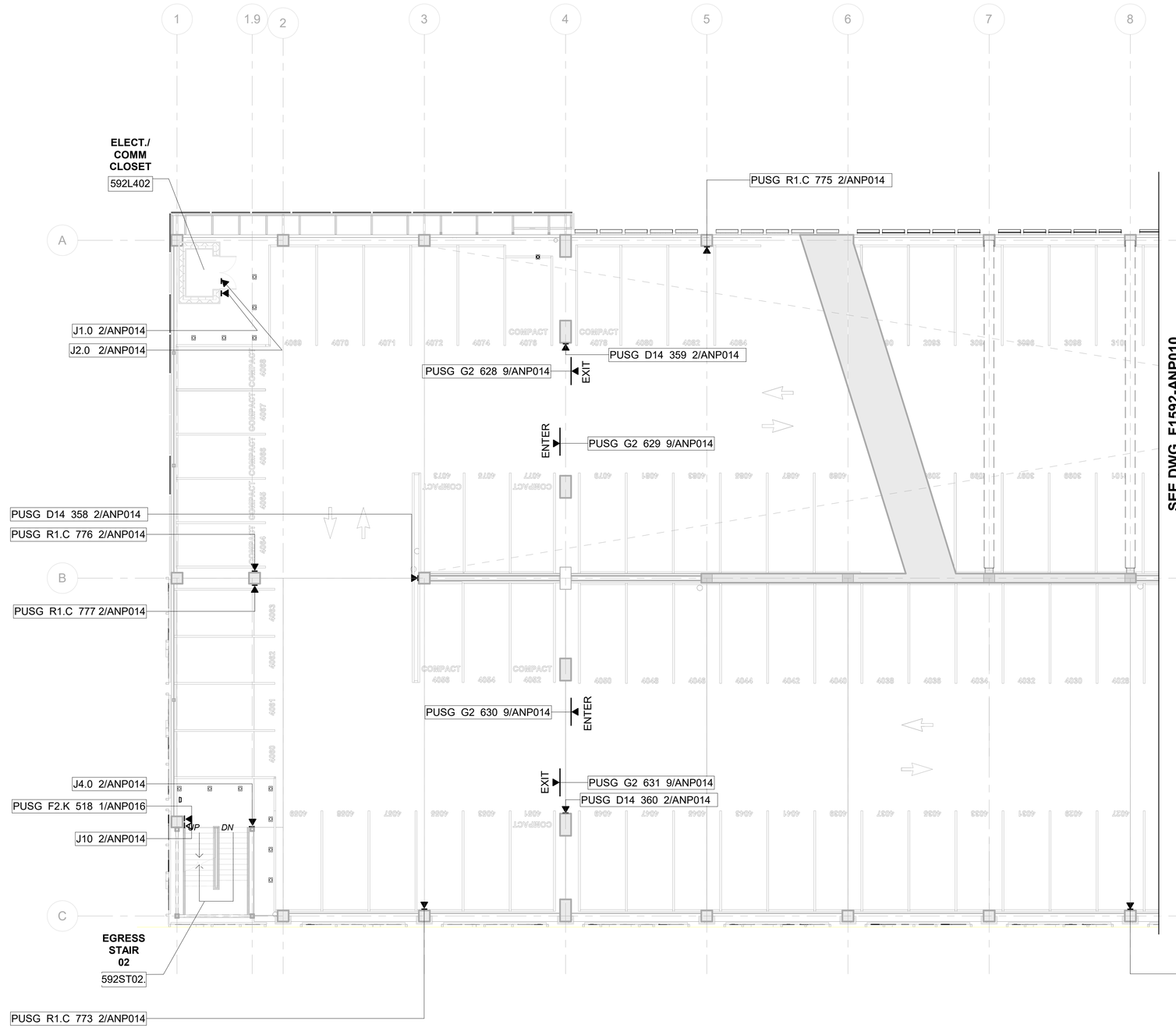
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SOUNDTRANSIT

SCALE: 3/32" = 1'-0"
FILENAME: S317-F1592-A_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
ARCHITECTURAL
SIGNAGE PLAN - LEVEL 3 EAST

DRAWING No.: F1592-ANP008
FACILITY ID: F1592
SHEET No.: 398
REV.: 0



GENERAL NOTE

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N

4' 0' 8' 16' 32'

SCALE IN FEET

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FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	CD	PC	BC	FINAL AS-BUILT

DESIGNED BY: C. DOMINGUEZ
DRAWN BY: M. BRYANT/ N. SMITH
CHECKED BY: P. CHUBB
APPROVED BY: B. CONNOLLY

MITHŪN
SUBMITTED BY: SARA ROBERTS

HENSEL PHELPS Plan. Build. Manage.
kpff
DATE: 10/26/2022
REVIEWED BY: GREG SHIMIZU

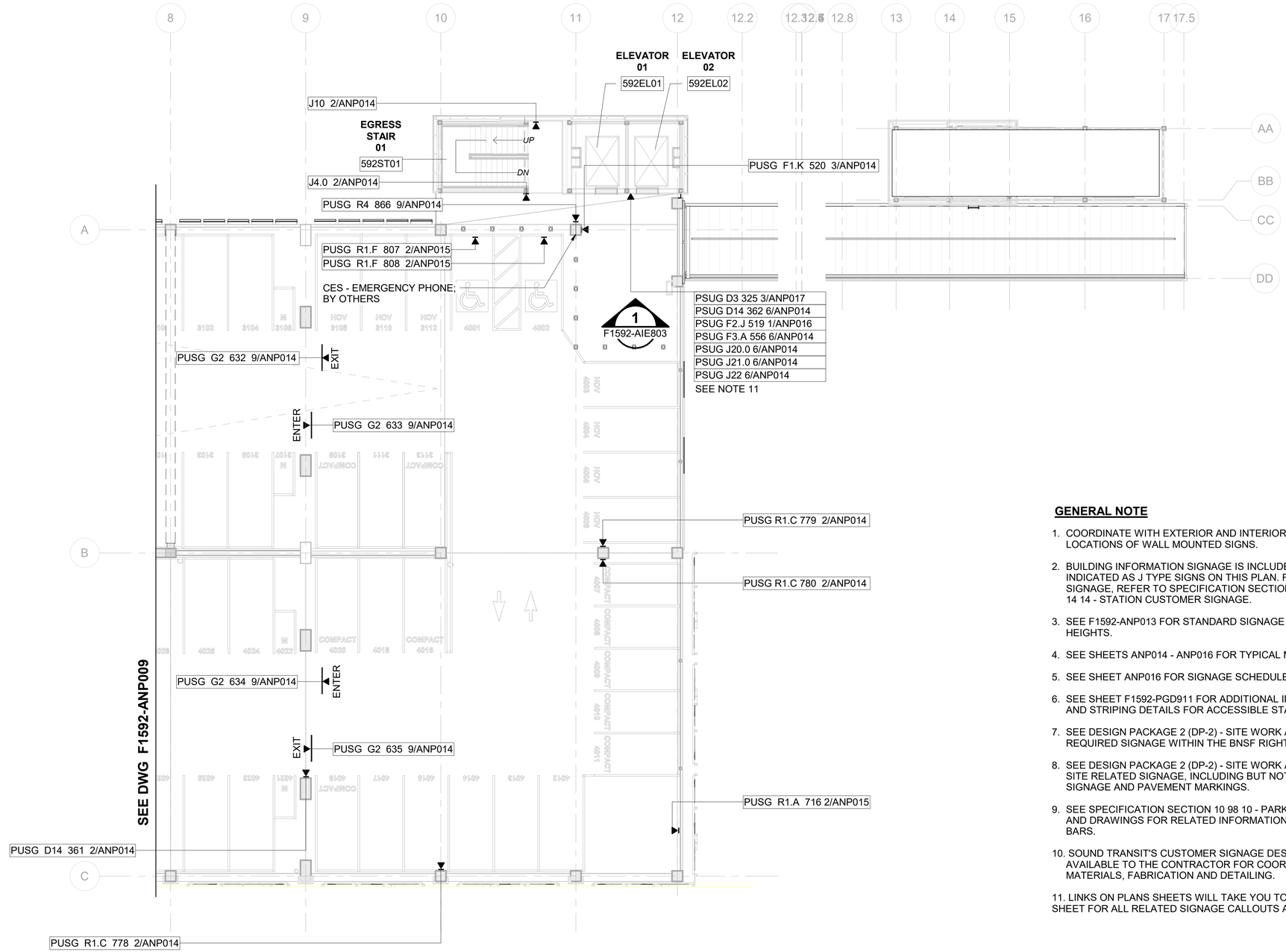
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SOUNDTRANSIT
DATE: 10/26/2022

SCALE: 3/32" = 1'-0"
FILENAME: S317-F1592-A_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
ARCHITECTURAL
SIGNAGE PLAN - LEVEL 4 WEST

DRAWING No.: F1592-ANP009
FACILITY ID: F1592
SHEET No: 399
REV: 0



GENERAL NOTE

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3. SEE F1592-ANP013 FOR STANDARD SIGNAGE TYPES AND MOUNTING HEIGHTS.
4. SEE SHEETS ANP014 - ANP016 FOR TYPICAL MOUNTING DETAILS.
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N

4' 0' 8' 16' 32'

SCALE IN FEET

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FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	CD	PC	BC	FINAL AS-BUILT

DESIGNED BY: C. DOMINGUEZ
DRAWN BY: M. BRYANT/ N. SMITH
CHECKED BY: P. CHUBB
APPROVED BY: B. CONNOLLY

MITHŪN
SUBMITTED BY: SARA ROBERTS

HENSEL PHELPS Plan. Build. Manage.
kpff
DATE: 10/26/2022
REVIEWED BY: GREG SHIMIZU

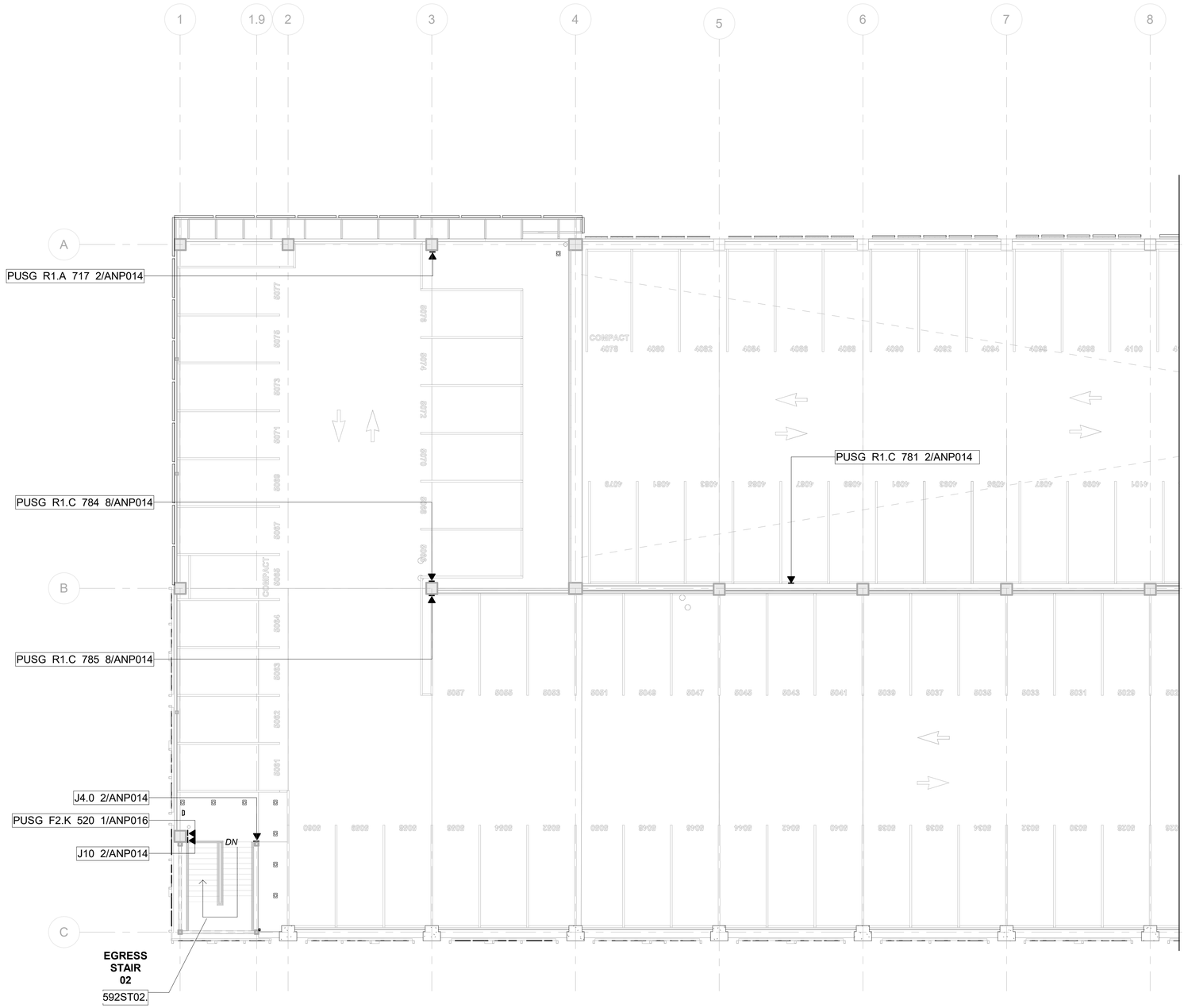
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SOUNDTRANSIT
DATE: 10/26/2022

SCALE: 3/32" = 1'-0"
FILENAME: S317-F1592-A_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
ARCHITECTURAL
SIGNAGE PLAN - LEVEL 4 EAST

DRAWING No.: F1592-ANP010
FACILITY ID: F1592
SHEET No.: 400
REV.: 0



GENERAL NOTE

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N

4' 0' 8' 16' 32'

SCALE IN FEET

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	CD	PC	BC	FINAL AS-BUILT

DESIGNED BY: C. DOMINGUEZ
DRAWN BY: M. BRYANT/ N. SMITH
CHECKED BY: P. CHUBB
APPROVED BY: B. CONNOLLY

MITHŪN
HENSEL PHELPS Plan. Build. Manage.
kpff
SOUNDTRANSIT

LINE IS 1" AT FULL SCALE

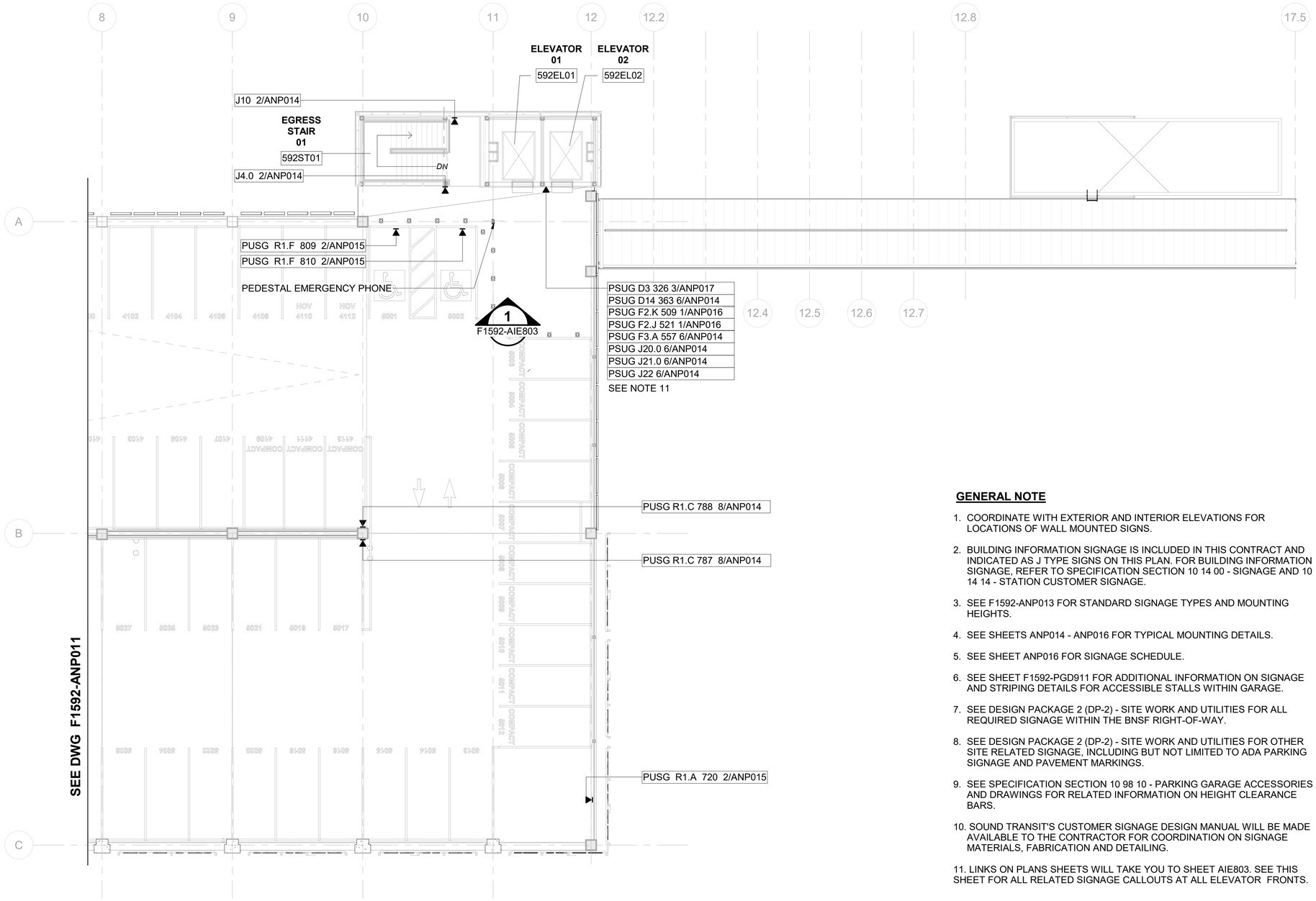
SUBMITTED BY: SARA ROBERTS
DATE: 10/26/2022
REVIEWED BY: GREG SHIMIZU
DATE: 10/26/2022

SCALE: 3/32" = 1'-0"
FILENAME: S317-F1592-A_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
ARCHITECTURAL
SIGNAGE PLAN - LEVEL 5 WEST

DRAWING No.: F1592-ANP011
FACILITY ID: F1592
SHEET No.: 401
REV: 0

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GENERAL NOTE

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N

4' 0' 8' 16' 32'

SCALE IN FEET

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FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
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DESIGNED BY: C. DOMINGUEZ
DRAWN BY: M. BRYANT/ N. SMITH
CHECKED BY: P. CHUBB
APPROVED BY: B. CONNOLLY

MITHŪN
SUBMITTED BY: SARA ROBERTS

HENSEL PHELPS Plan. Build. Manage.
kpff
DATE: 10/26/2022
REVIEWED BY: GREG SHIMIZU

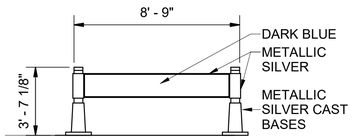
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SOUNDTRANSIT
DATE: 10/26/2022

SCALE: 3/32" = 1'-0"
FILENAME: S317-F1592-A_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

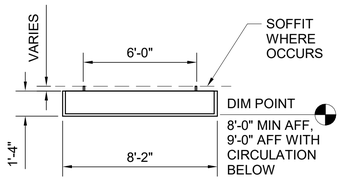
PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
ARCHITECTURAL
SIGNAGE PLAN - LEVEL 5 EAST

DRAWING No.: F1592-ANP012
FACILITY ID: F1592
SHEET No.: 402
REV.: 0



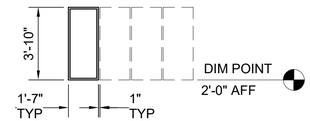
STATION ID

A5 FACILITY ID



STATION ID

A7 MAJOR PENDANT



CUSTOMER INFORMATION

C6.D BICYCLE PARKING (1 PANEL)

GENERAL NOTES:

1. ALL SIGNAGE, INCLUDING SIGNAGE PANELS, PENDANTS, POLES, INTEGRAL MOUNTING BRACKETS, DECALS, AND FASTENERS SHALL BE PROVIDED AND INSTALLED BY THE CONTRACTOR.
2. CONTRACTOR SHALL PROVIDE ANCHOR BOLTS AND BLOCKING AND OR ATTACHMENT SUPPORTS FOR SIGNAGE AT THE LOCATIONS INDICATED IN THE SIGNAGE PLANS, SIGNAGE DETAILS AND OTHERWISE NOTED IN THE GENERAL CONTRACT DRAWINGS.
3. SEE SHEET F1592-ANP016 FOR CODE RELATED "J" SERIES SIGNAGE
4. WHERE PENDANT LENGTH EXCEEDS THE MAXIMUM ALLOWABLE LOADING FOR ALUMINUM, CONTRACTOR SHALL PROVIDE STEEL PENDANT UNDER THE CONTRACT.
5. COORDINATE WITH CIVIL DRAWINGS FOR SIGN LOCATIONS OUTSIDE OF STATIONS.
6. SEE DESIGN PACKAGE 2 (DP-2) - SITE WORK AND UTILITIES FOR OTHER SITE RELATED SIGNAGE, INCLUDING BUT NOT LIMITED TO ADA PARKING SIGNAGE AND PAVEMENT MARKINGS.
7. SOUND TRANSIT'S CUSTOMER SIGNAGE DESIGN MANUAL WILL BE MADE AVAILABLE TO THE SIGNAGE CONTRACTOR FOR COORDINATION ON SIGNAGE MATERIALS, FABRICATION AND DETAILING.

LEGEND:

SIGNAGE TAG = STA F2.A XXX 01/L200-AND101

STA = SOUND TRANSIT STATION CODE

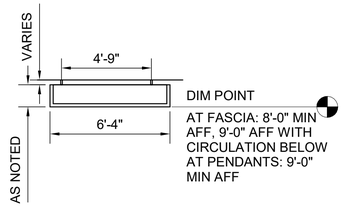
F2.A = SIGN TYPE

XXX = UNIQUE LOCATION #

1/L200-AND901 = MOUNTING DETAIL

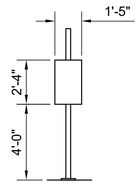
= INDICATION OF PRIMARY SIGN FACE

= INDICATION OF SECONDARY SIGN FACE



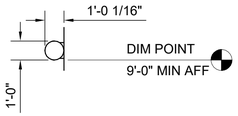
DIRECTIONAL

D1 PENDANT SINGLE SIDED (DEPTH = 1'-2")
D2 PENDANT DOUBLE SIDED (DEPTH = 1'-2")
D3 FASCIA MOUNT (DEPTH = 1'-2")



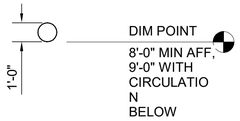
DIRECTIONAL

D14 MEDIUM



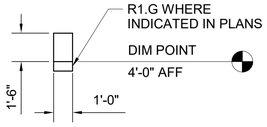
FACILITY POST OR WALL

F1.D BICYCLE STORAGE
F1.J ELEVATOR
F1.K EMERGENCY PHONE



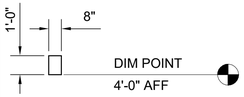
FACILITY FASCIA

F2.K EMERGENCY PHONE
F2.J ACCESSIBLE ELEVATOR



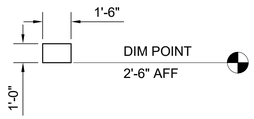
REGULATORY - MAJOR POST OR WALL

R1.A NO PARKING
R1.C 24 HOUR PARKING
R1.D RESERVED SECURITY PARKING
R1.E RESERVED SERVICE PARKING
R1.F RESERVED ACCESSIBLE PARKING
R1.G VAN ACCESSIBLE
R1.I DANGER NO TRESPASSING
R1.K EMERGENCY EXIT ONLY



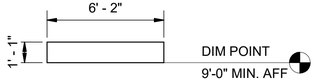
FACILITY WALL

F3.A TACTILE ID
F4.B FACILITY HOURS GARAGE



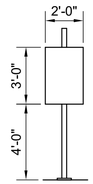
FACILITY WALL

F5 BIKE LOCKERS



GUIDE

G2 DIRECTIONAL, MINOR



REGULATORY

R4 PARKING

6/21/2022 4:26:02 PM
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FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	CD	PC	BC	FINAL AS-BUILT

DESIGNED BY: C. DOMINGUEZ
DRAWN BY: M. BRYANT/ N. SMITH
CHECKED BY: P. CHUBB
APPROVED BY: B. CONNOLLY

MITHŪN
SUBMITTED BY: SARA ROBERTS

HENSEL PHELPS Plan. Build. Manage. kpff
DATE: 10/26/2022
REVIEWED BY: GREG SHIMIZU

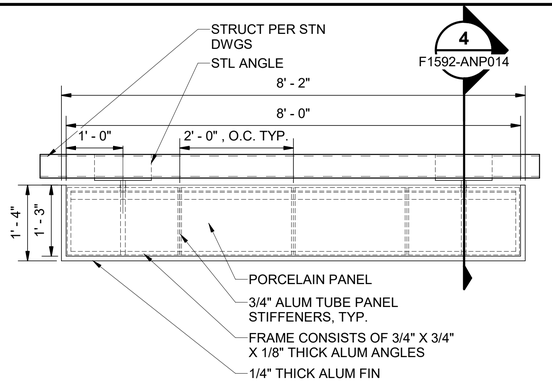
LINE IS 1" AT FULL SCALE

SOUNDTRANSIT
DATE: 10/26/2022

SCALE: 1/4" = 1'-0"
FILENAME: S317-F1592-A_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

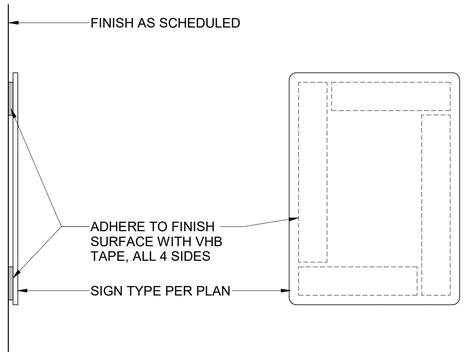
PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
ARCHITECTURAL
SIGNAGE TYPES

DRAWING No.: **F1592-ANP013**
FACILITY ID: F1592
SHEET No: 403
REV: 0



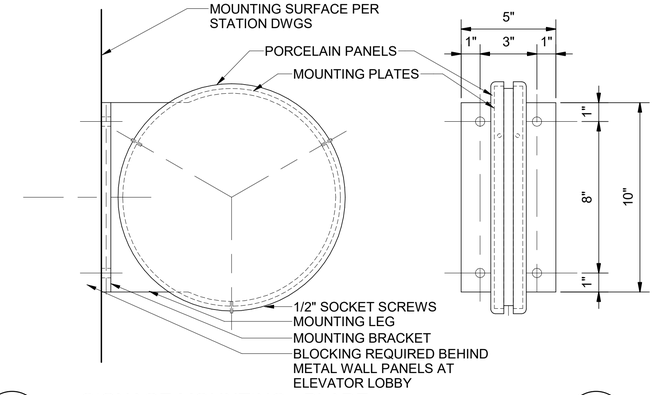
SIGNAGE MOUNTING - STN ID PENDANT NORTH 1

SCALE: 3/4" = 1'-0"



SIGNAGE MOUNTING - FASCIA 2

SCALE: 3" = 1'-0"

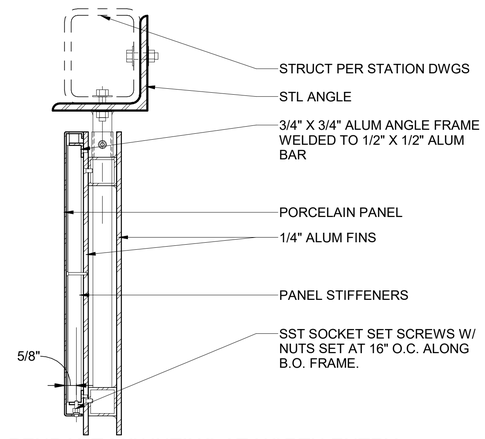


SIGNAGE MOUNTING - BLADE 3

SCALE: 3" = 1'-0"

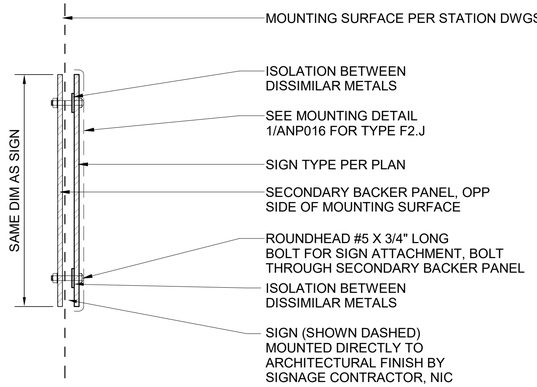
GENERAL NOTE

1. DETAILS SHOWN INDICATE TYPICAL MOUNTING DETAILS.
2. BUILDING INFORMATION/ ROOM SIGNAGE IS INCLUDED IN THIS CONTRACT AND INDICATED AS "J" TYPE SIGNS. REFER TO SPECIFICATION SECTION 101400 - SIGNAGE AND 101414 - STATION CUSTOMER SIGNAGE.
3. SOUND TRANSIT'S CUSTOMER SIGNAGE DESIGN MANUAL WILL BE MADE AVAILABLE TO THE CONTRACTOR FOR COORDINATION ON SIGNAGE MATERIALS, FABRICATION AND DETAILING.



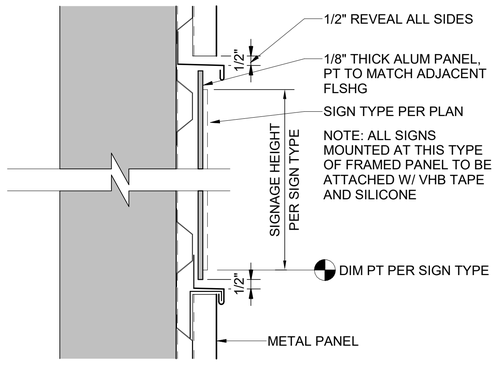
PENDANT MOUNTING AT NORTH ENTRY 4

SCALE: 3" = 1'-0"



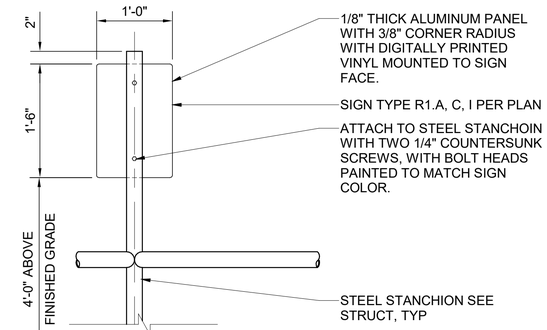
SIGNAGE MOUNTING - AT SCREEN PANELS 5

SCALE: 3" = 1'-0"



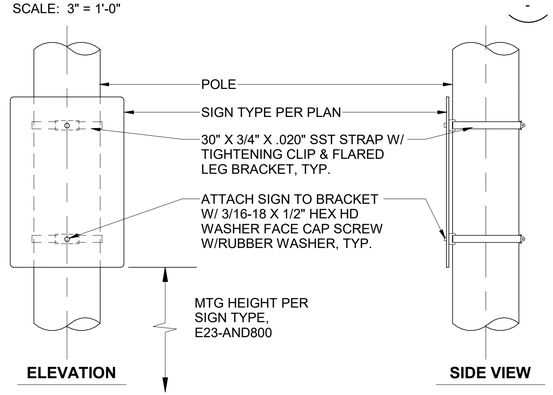
SIGNAGE MOUNTING - AT METAL PANEL 6

SCALE: 3" = 1'-0"



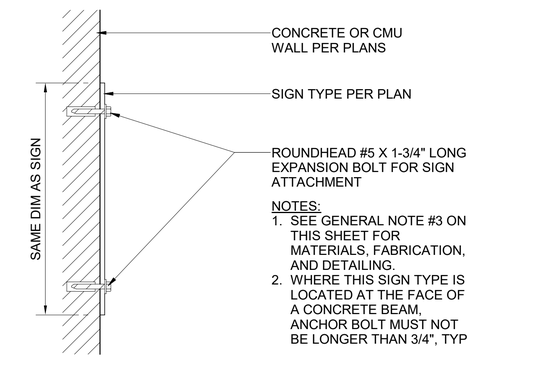
SIGNAGE MOUNTING - INTER-TRACK FENCE 7

SCALE: 1" = 1'-0"



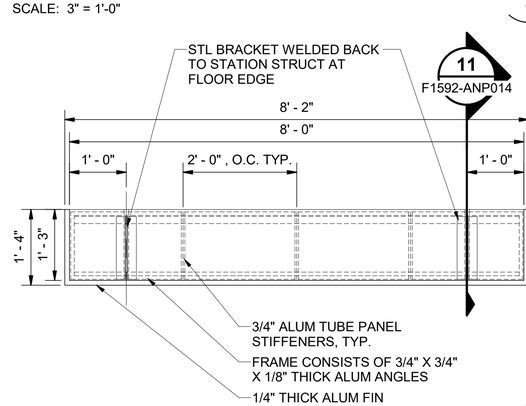
SIGNAGE MOUNTING - STRAPPING AT POLE 8

SCALE: 1 1/2" = 1'-0"



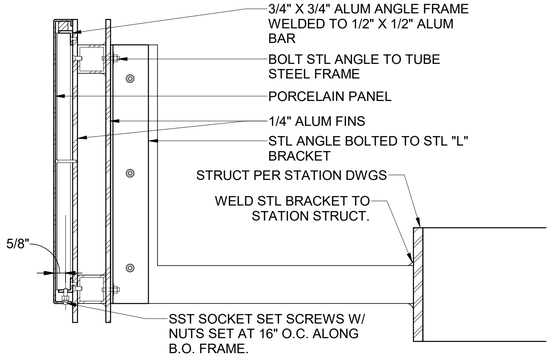
SIGNAGE MOUNTING - AT CONC OR CMU WALLS 9

SCALE: 3" = 1'-0"



SIGNAGE MOUNTING - STN ID PENDANT 10

SCALE: 3/4" = 1'-0"



PENDANT MOUNTING AT VEHICLE ENTRY 11

SCALE: 3" = 1'-0"

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FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	CD	PC	BC	FINAL AS-BUILT

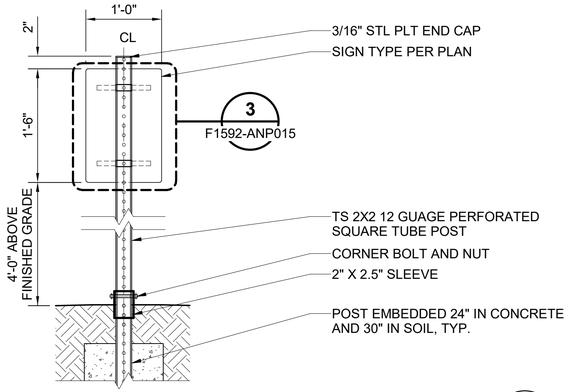
DESIGNED BY: C. DOMINGUEZ
DRAWN BY: M. BRYANT/ N. SMITH
CHECKED BY: P. CHUBB
APPROVED BY: B. CONNOLLY

MITHŪN — SUBMITTED BY: SARA ROBERTS — DATE: 10/26/2022
HENSEL PHELPS Plan. Build. Manage. / kpff — REVIEWED BY: GREG SHIMIZU — DATE: 10/26/2022
LINE IS 1" AT FULL SCALE
SOUNDTRANSIT — SUBMITTAL DATE: 10/26/2022

SCALE: AS NOTED
FILENAME: S317-F1592-A_v2020
CONTRACT No.: RTA/CN 0612-18

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
ARCHITECTURAL
SIGNAGE MOUNTING DETAILS

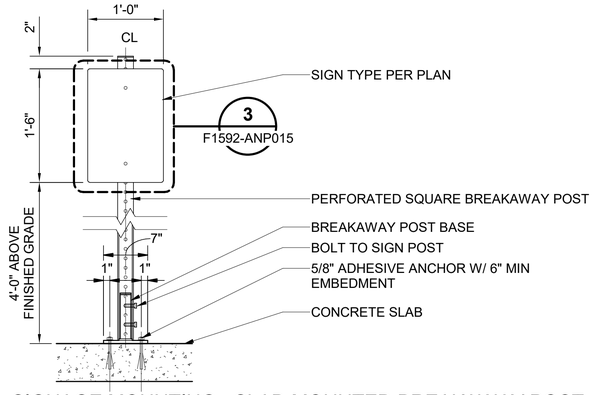
DRAWING No.: F1592-ANP014
FACILITY ID: F1592
SHEET No.: 404
REV.: 0



SIGNAGE MOUNTING - POST AT LANDSCAPE

1

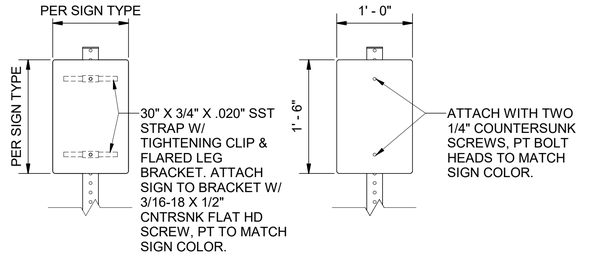
SCALE: 1" = 1'-0"



SIGNAGE MOUNTING - SLAB-MOUNTED BREAKAWAY POST

2

SCALE: 1" = 1'-0"



D14: DIRECTIONAL - MEDIUM
G5: GUIDE - POST
R4: REGULATORY - PARKING

R1: REGULATORY

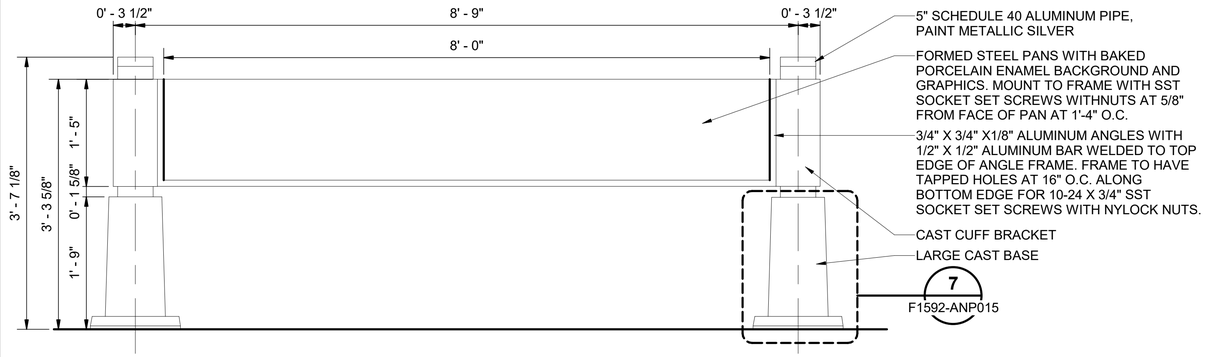
SIGNAGE MOUNTING - SIGN TYPES

3

SCALE: 1" = 1'-0"

GENERAL NOTE

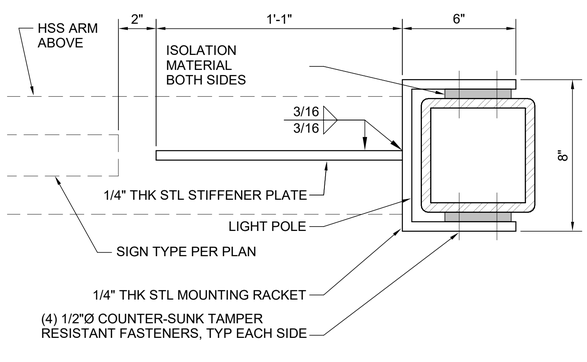
1. DETAILS SHOWN INDICATE TYPICAL MOUNTING DETAILS.
2. BUILDING INFORMATION/ ROOM SIGNAGE IS INCLUDED IN THIS CONTRACT AND INDICATED AS "J" TYPE SIGNS. REFER TO SPECIFICATION SECTION 101400 - SIGNAGE AND 101414 - STATION CUSTOMER SIGNAGE.
3. SOUND TRANSIT'S CUSTOMER SIGNAGE DESIGN MANUAL WILL BE MADE AVAILABLE TO THE CONTRACTOR FOR COORDINATION ON SIGNAGE MATERIALS, FABRICATION AND DETAILING.



SIGNAGE MOUNTING - FACILITY ID PANEL

4

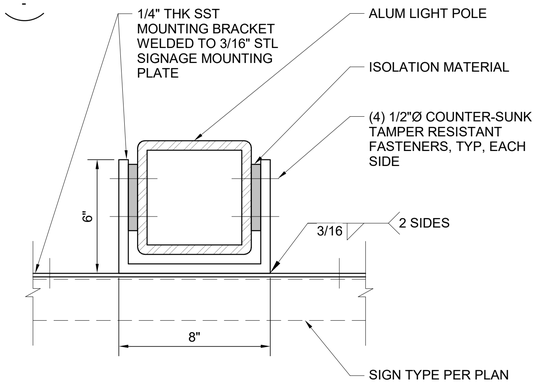
SCALE: 1" = 1'-0"



POLE FLAG MOUNTING BRACKET

5

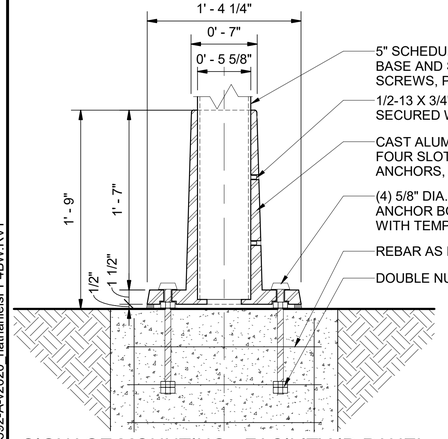
SCALE: 3" = 1'-0"



POLE FASCIA SIGN MOUNTING BRACKET

6

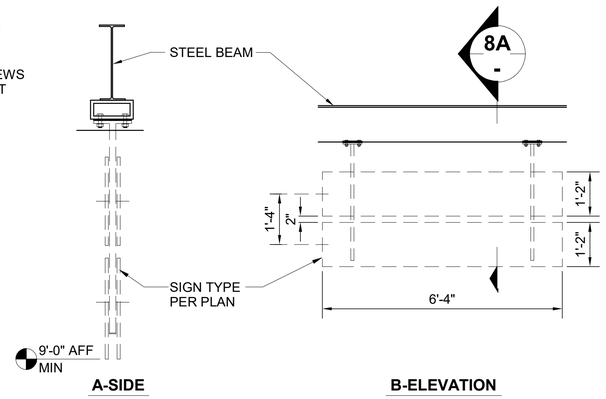
SCALE: 3" = 1'-0"



SIGNAGE MOUNTING - FACILITY ID PANEL

7

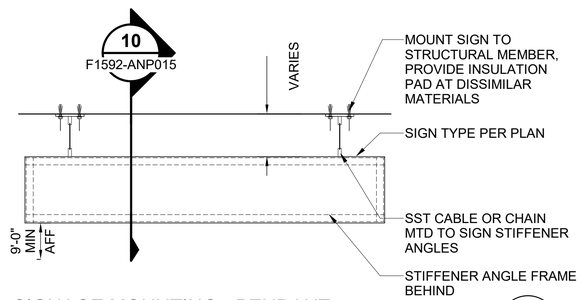
SCALE: 1 1/2" = 1'-0"



SIGNAGE MOUNTING - STACKED SIGNS

8

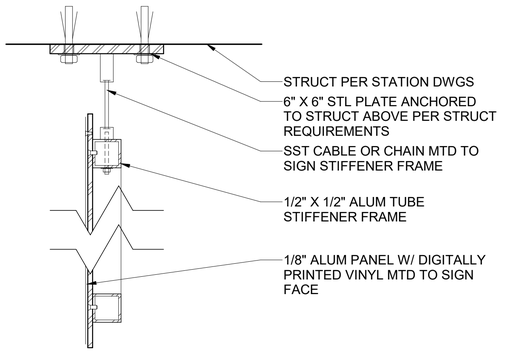
SCALE: 1/2" = 1'-0"



SIGNAGE MOUNTING - PENDANT

9

SCALE: 3/4" = 1'-0"



PENDANT CABLE MOUNTING

10

SCALE: 3" = 1'-0"

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FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	CD	PC	BC	FINAL AS-BUILT

DESIGNED BY: C. DOMINGUEZ
DRAWN BY: M. BRYANT/ N. SMITH
CHECKED BY: P. CHUBB
APPROVED BY: B. CONNOLLY

MITHŪN
SUBMITTED BY: SARA ROBERTS

HENSEL PHELPS Plan. Build. Manage.
kpff
DATE: 10/26/2022

REVIEWED BY: GREG SHIMIZU
DATE: 10/26/2022

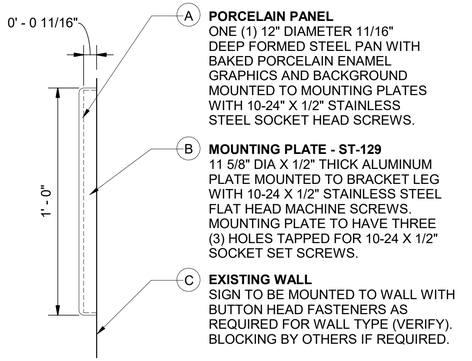
LINE IS 1" AT FULL SCALE

SOUNDTRANSIT

SCALE: AS NOTED
FILENAME: S317-F1592-A_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

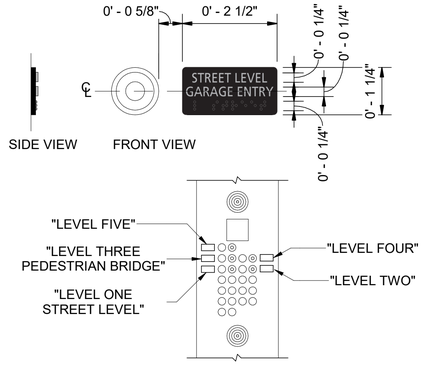
PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
ARCHITECTURAL
SIGNAGE MOUNTING DETAILS

DRAWING No.: **F1592-ANP015**
FACILITY ID: F1592
SHEET No: 405
REV: 0



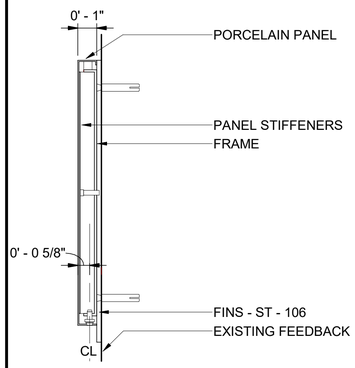
FACILITY AMENTIY, FASCIA MOUNT — 1

SCALE: 3" = 1'-0"



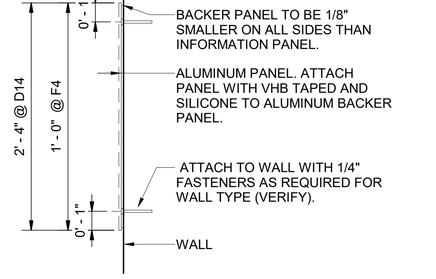
ELEVATOR CAB LABELING - J23 — 7

SCALE: 6" = 1'-0"



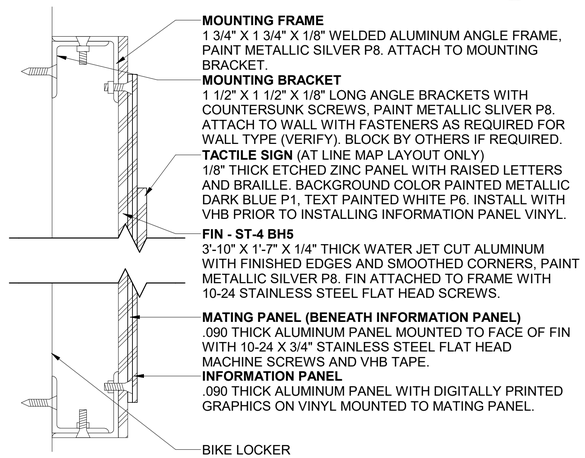
SIGNAGE MOUNTING - FASCIA MTD DIRECTIONAL — 2

SCALE: 3" = 1'-0"



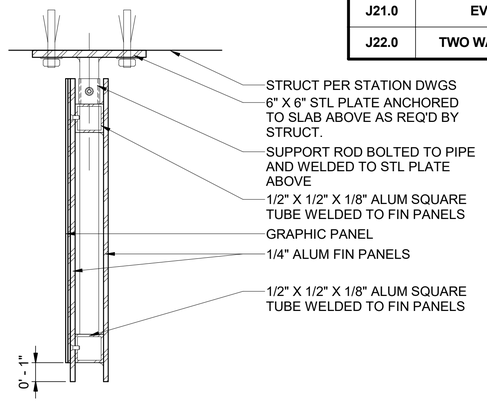
INFORMATION PANEL - D14 & F4 — 6

SCALE: 3" = 1'-0"



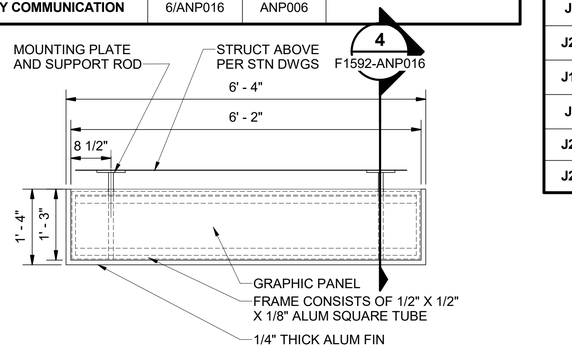
BICYCLE PARKING - C6D — 5

SCALE: 6" = 1'-0"



TYPICAL PENDANT MOUNTING - D SIGN — 4

SCALE: 3" = 1'-0"



SIGNAGE MOUNTING - TYPICAL PENDANT MOUNT — 3

SCALE: 3/4" = 1'-0"

SIGNAGE SCHEDULE

SIGN TYPE	SIGN NAME	MOUNTING TYPE	SHEET	REMARKS/ NOTES
	LEVEL 1			
J10.0	STAIR 2 LEVEL 1	2/ANP014	ANP003	
J6.1	EXIT	2/ANP014	ANP003	
J6.1	EXIT	6/ANP016	ANP004	
J2.0	AUTHORIZED ACCESS ONLY	5/ANP014	ANP004	
J1.0	STORAGE ROOM	2/ANP014	ANP004	
J1.0	MECHANICAL ROOM	2/ANP014	ANP004	
J1.0	ELECTRICAL ROOM	2/ANP014	ANP004	
J1.0	FIRE SPRINKLER ROOM	2/ANP014	ANP004	
J1.0	ELEVATOR MACHINE ROOM	2/ANP014	ANP004	SIGN ON DOOR AT EAST ABUTMENT
J1.0	ELEVATOR MACHINE ROOM	2/ANP014	ANP004	
J1.0	SECURITY ROOM	2/ANP014	ANP004	
J1.0	COMM ROOM	2/ANP014	ANP004	
J1.0	JANITOR CLOSET	2/ANP014	ANP004	
J10.0	STAIR 3 LEVEL 1	6/ANP016	ANP004	
J10.0	STAIR 1 LEVEL 1	2/ANP014	ANP004	BACKER PANEL FOR OPPOSITE SIDE OF GLAZING
J16.0	MACHINE ROOM INSIDE NO STORAGE PERMITTED	2/ANP014	ANP004	SIGN ON DOOR
J16.0	MACHINE ROOM INSIDE NO STORAGE PERMITTED	2/ANP014	ANP004	SIGN ON DOOR
J16.10	FIRE ALARM	2/ANP014	ANP004	SIGN ON DOOR
	LEVEL 2			
J10.0	STAIR 2 LEVEL 2	2/ANP014	ANP005	
J1.0	COMM/ ELECTRICAL CLOSET	2/ANP014	ANP005	
J2.0	AUTHORIZED ACCESS ONLY	2/ANP014	ANP005	SIGN ON DOOR
J4.0	EXIT STAIR 2	8/ANP014	ANP005	
J4.0	EXIT STAIR 1	8/ANP014	ANP006	
J10.0	STAIR 1 LEVEL 2	6/ANP016	ANP006	
J20.0	IN CASE OF FIRE USE EXIT STAIRS	2/ANP014	ANP006	
J21.0	EVACUATION MAP	2/ANP014	ANP006	
J22.0	TWO WAY COMMUNICATION	6/ANP016	ANP006	

SIGNAGE SCHEDULE

SIGN TYPE	SIGN NAME	MOUNTING TYPE	SHEET	REMARKS/ NOTES
	LEVEL 3			
J10.0	STAIR 3 LEVEL 3	2/ANP014	ANP008	
J4.0	EXIT STAIR 3	8/ANP014	ANP008	
J1.0	COMM/ ELECTRICAL CLOSET	2/ANP014	ANP007	SIGN ON DOOR
J2.0	AUTHORIZED ACCESS ONLY	2/ANP014	ANP007	
J20.0	IN CASE OF FIRE USE EXIT STAIRS	2/ANP014	ANP008	
J20.0	IN CASE OF FIRE USE EXIT STAIRS	2/ANP014	ANP008	
J22.0	TWO WAY COMMUNICATION	6/ANP016	ANP008	
J4.0	EXIT STAIR 2	8/ANP014	ANP007	
J4.0	EXIT STAIR 1	8/ANP014	ANP008	
J1.0	ELECTRICAL ROOM	2/ANP014	ANP008	SIGN ON DOOR
J10.0	STAIR 1 LEVEL 3	6/ANP016	ANP008	
J10.0	STAIR 2 LEVEL 3	2/ANP014	ANP007	
J2.0	AUTHORIZED ACCESS ONLY	2/ANP014	ANP008	SIGN ON DOOR
J21.0	EVACUATION MAP	2/ANP014	ANP008	
J22.0	TWO WAY COMMUNICATION	6/ANP016	ANP008	
	LEVEL 4			
J10.0	STAIR 2 LEVEL 4	9/ANP014	ANP009	
J1.0	COMM/ ELECTRICAL CLOSET	2/ANP014	ANP009	
J2.0	AUTHORIZED ACCESS ONLY	2/ANP014	ANP009	SIGN ON DOOR
J20.0	IN CASE OF FIRE USE EXIT STAIRS	6/ANP014	ANP010	
J4.0	EXIT STAIR 2	8/ANP014	ANP009	
J10.0	STAIR 1 LEVEL 4	6/ANP016	ANP010	
J4.0	EXIT STAIR 1	8/ANP014	ANP010	
J21.0	EVACUATION MAP	2/ANP014	ANP010	
J22.0	TWO WAY COMMUNICATION	6/ANP016	ANP010	
	LEVEL 5			
J10.0	STAIR 2 LEVEL 5	2/ANP014	ANP011	
J4.0	EXIT STAIR 2	8/ANP014	ANP011	
J20.0	IN CASE OF FIRE USE EXIT STAIRS	6/ANP014	ANP012	
J10.0	STAIR 1 LEVEL 5	6/ANP016	ANP012	
J4.0	EXIT STAIR 1	8/ANP014	ANP012	
J21.0	EVACUATION MAP	2/ANP014	ANP012	
J22.0	TWO WAY COMMUNICATION	6/ANP016	ANP012	

GENERAL NOTE

1. DETAILS SHOWN INDICATE TYPICAL MOUNTING DETAILS.
2. BUILDING INFORMATION/ ROOM SIGNAGE IS INCLUDED IN THIS CONTRACT AND INDICATED AS "J" TYPE SIGNS. REFER TO SPECIFICATION SECTION 101400 - SIGNAGE AND 101414 - STATION CUSTOMER SIGNAGE.
3. SOUND TRANSIT'S CUSTOMER SIGNAGE DESIGN MANUAL WILL BE MADE AVAILABLE TO THE CONTRACTOR FOR COORDINATION ON SIGNAGE MATERIALS, FABRICATION AND DETAILING.

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FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	CD	PC	BC	FINAL AS-BUILT

DESIGNED BY: C. DOMINGUEZ
DRAWN BY: M. BRYANT/ N. SMITH
CHECKED BY: P. CHUBB
APPROVED BY: B. CONNOLLY

MITHŪN — SUBMITTED BY: SARA ROBERTS

HENSEL PHELPS Plan. Build. Manage. kpff — DATE: 10/26/2022 — REVIEWED BY: GREG SHIMIZU

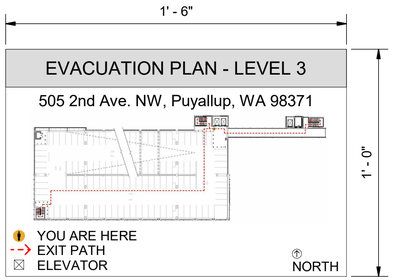
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SOUNDTRANSIT — DATE: 10/26/2022

SCALE: NTS
FILENAME: S317-F1592-A_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

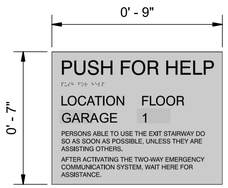
PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
ARCHITECTURAL
SIGNAGE MOUNTING DETAILS AND SCHEDULE

DRAWING No.: F1592-ANP016
FACILITY ID: F1592
SHEET No.: 406
REV.: 0



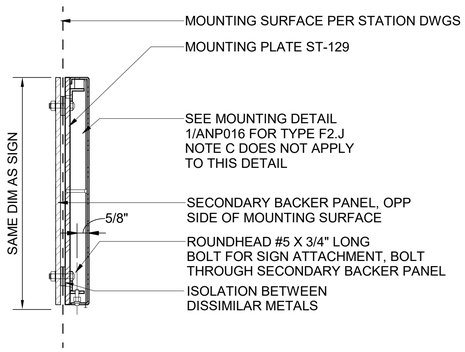
SIGNAGE MOUNTING - EVACUATION PLAN 1

SCALE: 3" = 1'-0"



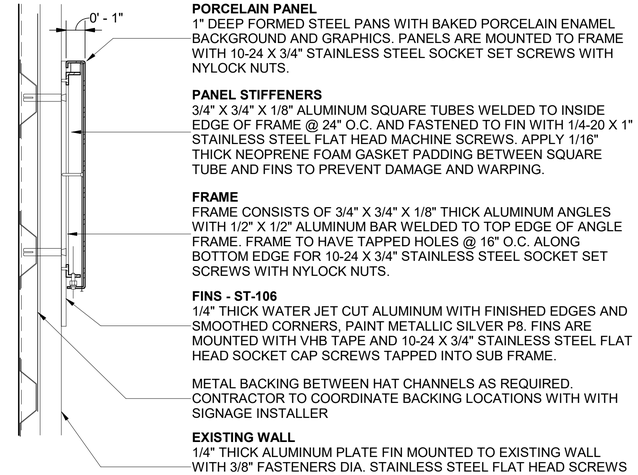
SIGNAGE MOUNTING - PUSH FOR HELP 2

SCALE: 3" = 1'-0"



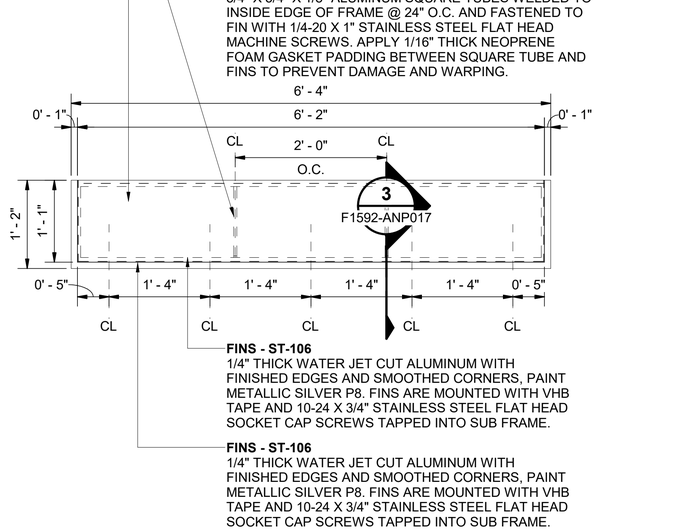
F2.J FACILITY, FASCIA MOUNT 4

SCALE: 3" = 1'-0"



SIGNAGE MOUNTING - SIDE VIEW / D3 DIRECTIONAL, FASCIA MOUNT 3

SCALE: 3" = 1'-0"



SIGNAGE MOUNTING - ELEVATION VIEW / D3, FASCIA MOUNT 5

SCALE: 1" = 1'-0"

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	CD	PC	BC	FINAL AS-BUILT

DESIGNED BY: C. DOMINGUEZ
DRAWN BY: M. BRYANT/ N. SMITH
CHECKED BY: P. CHUBB
APPROVED BY: B. CONNOLLY

MITHŪN — SUBMITTED BY: SARA ROBERTS

HENSEL PHELPS Plan. Build. Manage. / kpff — DATE: 10/26/2022 — REVIEWED BY: GREG SHIMIZU

LINE IS 1" AT FULL SCALE

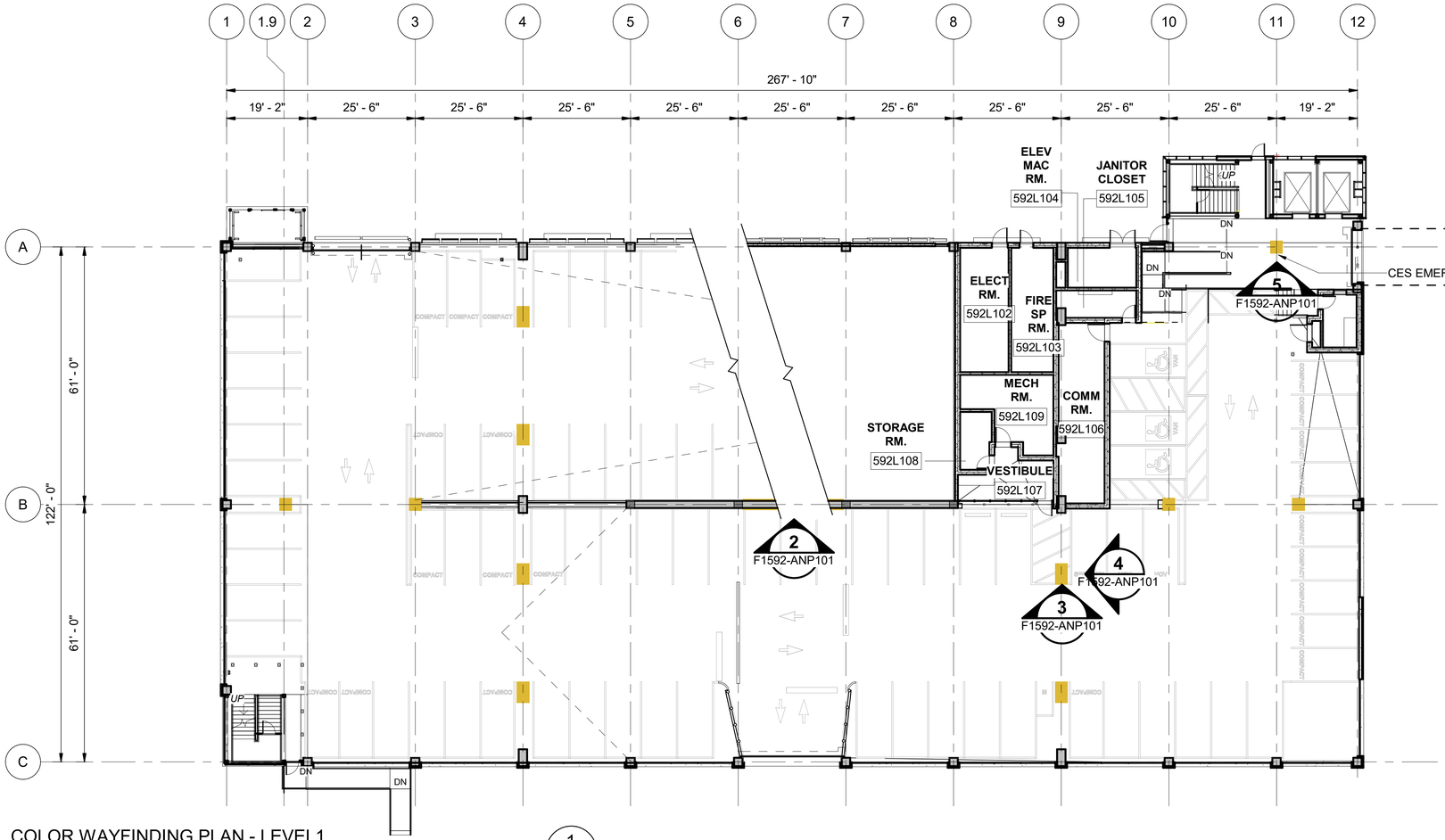
SOUNDTRANSIT — DATE: 10/26/2022

SCALE: AS NOTED
FILENAME: S317-F1592-A_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
ARCHITECTURAL
SIGNAGE MOUNTING DETAILS AND SCHEDULE

DRAWING No.: F1592-ANP017
FACILITY ID: F1592
SHEET No.: 407
REV.: 0

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COLOR WAYFINDING PLAN - LEVEL1 (1 / F1592-AAE010)

SCALE: 1/16" = 1'-0"

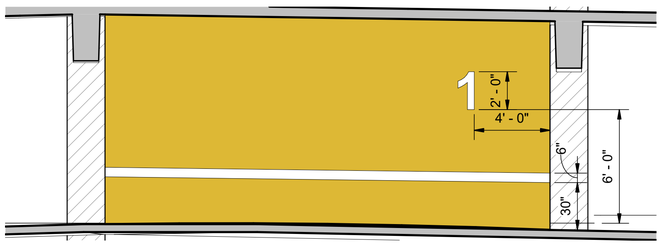
GENERAL NOTE

1. SEE SHEET F1592-AFS004 - FINISH SCHEDULE, FOR WAYFINDING COLOR SELECTION.

WAYFINDING LEGEND

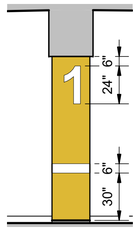
COLOR	LEVEL	THEME
	LEVEL 5	SKY
	LEVEL 4	MOUNTAIN
	LEVEL 3	BARN
	LEVEL 2	FOREST
	LEVEL 1	FLOWER

NOTE:
SEE SHEET F1592-AFS004 FOR COLOR SCHEDULE



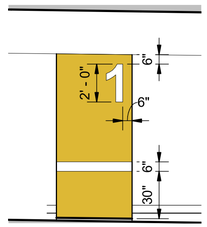
WAYFINDING - LEVEL 1 - WALL (2 / -)

SCALE: 1/4" = 1'-0"



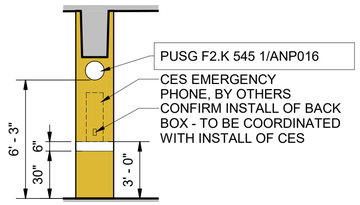
WAYFINDING - LEVEL 1 - COLUMN (3 / -)

SCALE: 1/4" = 1'-0"



WAYFINDING - LEVEL 1 - WIDE COLUMN (4 / -)

SCALE: 1/4" = 1'-0"



WAYFINDING - L1 - COLUMN - CES (5 / -)

SCALE: 1/4" = 1'-0"

N

2' 0' 8' 16' 32'

SCALE IN FEET

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FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	CD	PC	BC	FINAL AS-BUILT

DESIGNED BY: C. DOMINGUEZ
DRAWN BY: M. BRYANT/ N. SMITH
CHECKED BY: P. CHUBB
APPROVED BY: B. CONNOLLY

MITHŪN — SUBMITTED BY: SARA ROBERTS

HENSEL PHELPS Plan. Build. Manage. / kpff — DATE: 10/26/2022 — REVIEWED BY: GREG SHIMIZU

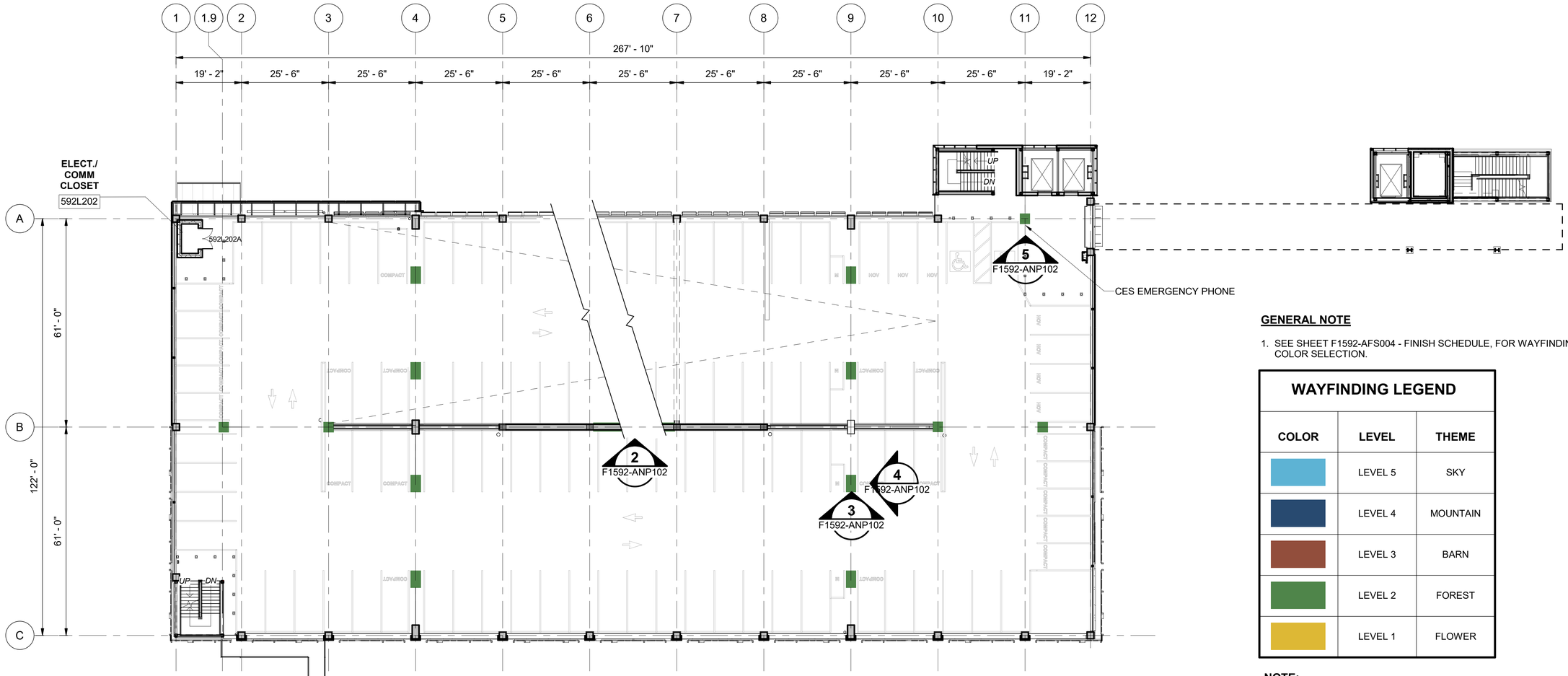
LINE IS 1" AT FULL SCALE

SOUNDTRANSIT — DATE: 10/26/2022

SCALE: AS NOTED
FILENAME: S317-F1592-A_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
ARCHITECTURAL
COLOR WAYFINDING PLAN LEVEL 1

DRAWING No.: F1592-ANP101
FACILITY ID: F1592
SHEET No.: 408
REV.: 0



COLOR WAYFINDING PLAN - LEVEL 2 — 1 / F1592-AAE010

SCALE: 1/16" = 1'-0"

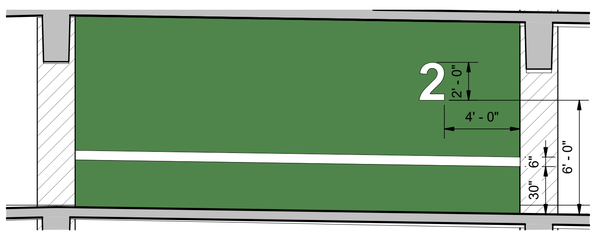
GENERAL NOTE

1. SEE SHEET F1592-AFS004 - FINISH SCHEDULE, FOR WAYFINDING COLOR SELECTION.

WAYFINDING LEGEND

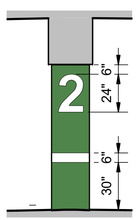
COLOR	LEVEL	THEME
	LEVEL 5	SKY
	LEVEL 4	MOUNTAIN
	LEVEL 3	BARN
	LEVEL 2	FOREST
	LEVEL 1	FLOWER

NOTE:
SEE SHEET F1592-AFS004 FOR COLOR SCHEDULE



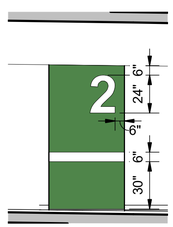
WAYFINDING - LEVEL 2 - WALL — 2 / -

SCALE: 1/4" = 1'-0"



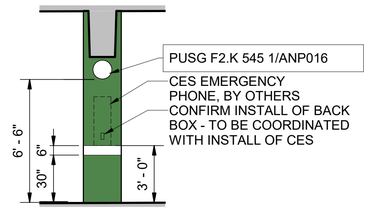
WAYFINDING - LEVEL 2 - COLUMN — 3 / -

SCALE: 1/4" = 1'-0"



WAYFINDING - LEVEL 2 - WIDE COLUMN — 4 / -

SCALE: 1/4" = 1'-0"



WAYFINDING - L2 - COLUMN - CES — 5 / -

SCALE: 1/4" = 1'-0"

N

2' 0' 8' 16' 32'

SCALE IN FEET

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FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	CD	PC	BC	FINAL AS-BUILT

DESIGNED BY: C. DOMINGUEZ
DRAWN BY: M. BRYANT/ N. SMITH
CHECKED BY: P. CHUBB
APPROVED BY: B. CONNOLLY

MITHŪN — SUBMITTED BY: SARA ROBERTS

HENSEL PHELPS Plan. Build. Manage. / kpff — DATE: 10/26/2022 — REVIEWED BY: GREG SHIMIZU

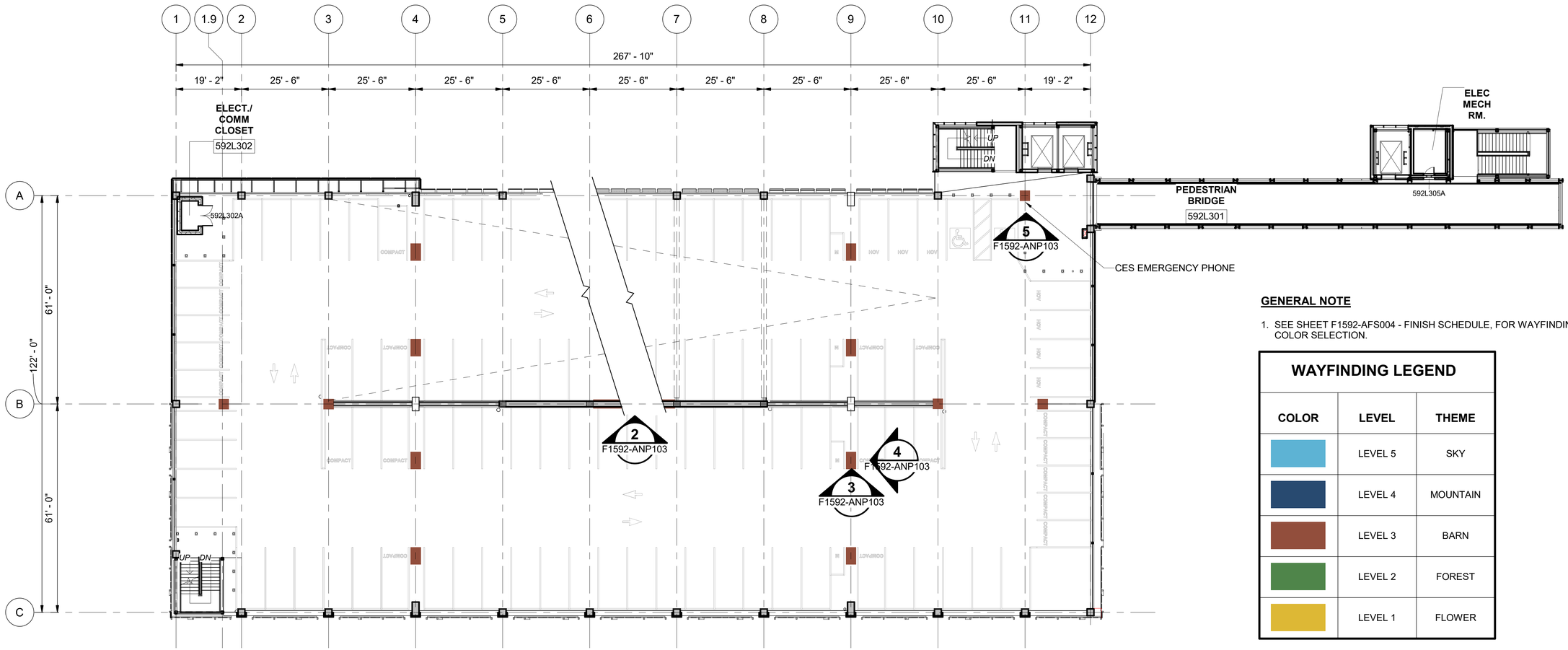
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SOUNDTRANSIT — DATE: 10/26/2022

SCALE: AS NOTED
FILENAME: S317-F1592-A_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
ARCHITECTURAL
COLOR WAYFINDING PLAN LEVEL 2

DRAWING No.: F1592-ANP102
FACILITY ID: F1592
SHEET No.: 409
REV.: 0



COLOR WAYFINDING PLAN - LEVEL 3 — 1 / F1592-AAE010

SCALE: 1/16" = 1'-0"

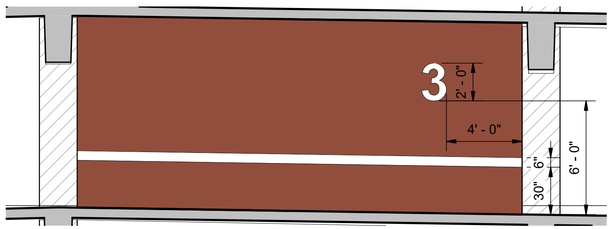
GENERAL NOTE

1. SEE SHEET F1592-AFS004 - FINISH SCHEDULE, FOR WAYFINDING COLOR SELECTION.

WAYFINDING LEGEND

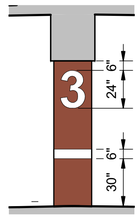
COLOR	LEVEL	THEME
	LEVEL 5	SKY
	LEVEL 4	MOUNTAIN
	LEVEL 3	BARN
	LEVEL 2	FOREST
	LEVEL 1	FLOWER

NOTE:
SEE SHEET F1592-AFS004 FOR COLOR SCHEDULE



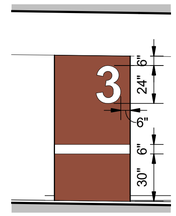
WAYFINDING - LEVEL 3 - WALL — 2 / -

SCALE: 1/4" = 1'-0"



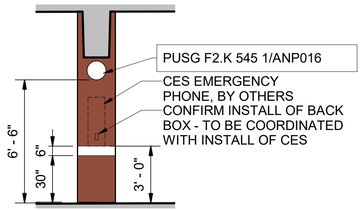
WAYFINDING - LEVEL 3 - COLUMN — 3 / -

SCALE: 1/4" = 1'-0"



WAYFINDING - LEVEL 3 - WIDE COLUMN — 4 / -

SCALE: 1/4" = 1'-0"



WAYFINDING - L3 - COLUMN - CES — 5 / -

SCALE: 1/4" = 1'-0"

N

2' 0' 8' 16' 32'

SCALE IN FEET

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DESIGNED BY: C. DOMINGUEZ
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MITHŪN
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HENSEL PHELPS Plan. Build. Manage.
kpff
DATE: 10/26/2022
REVIEWED BY: GREG SHIMIZU

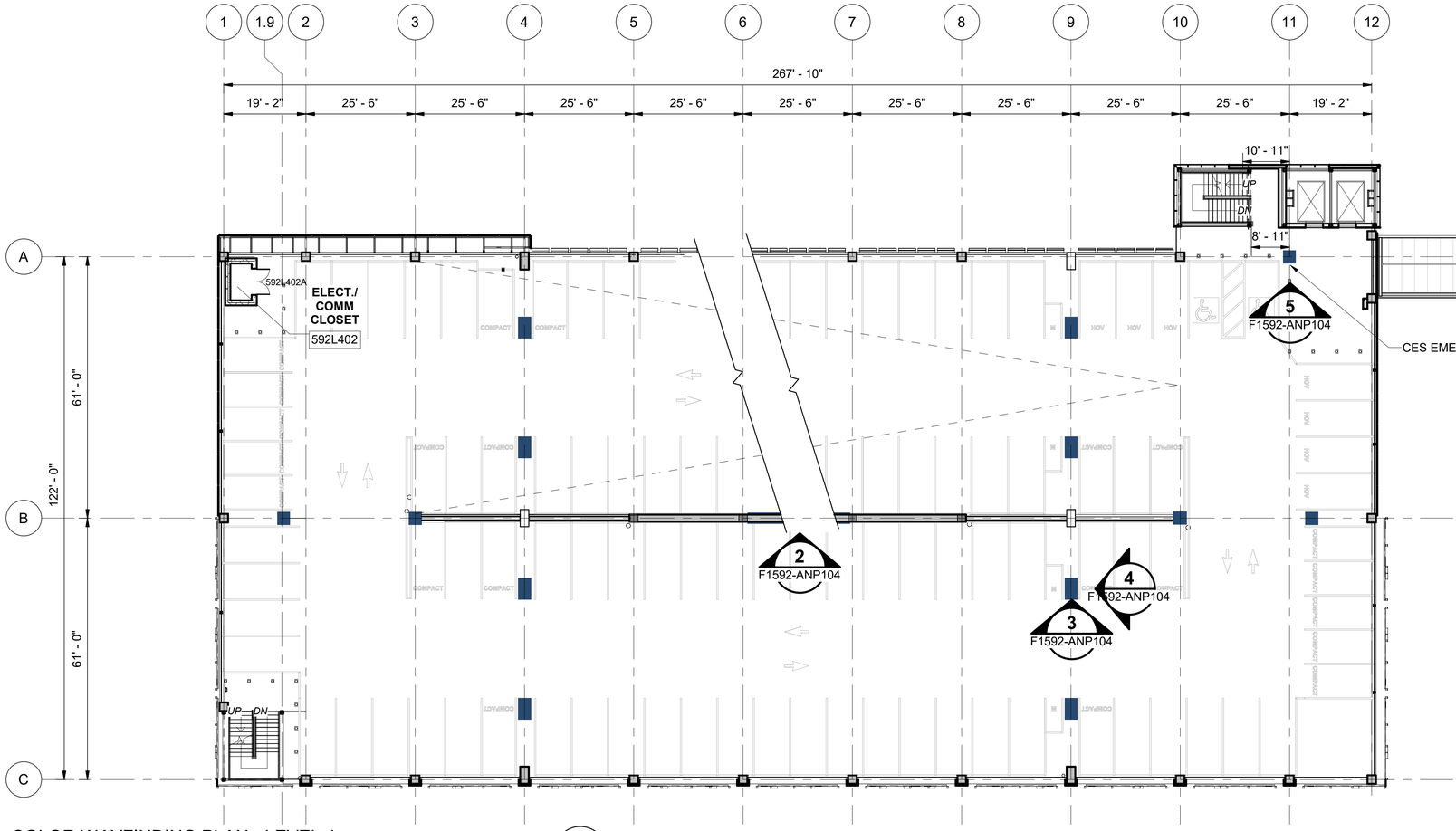
LINE IS 1" AT FULL SCALE

SOUNDTRANSIT
DATE: 10/26/2022

SCALE: AS NOTED
FILENAME: S317-F1592-A_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
ARCHITECTURAL
COLOR WAYFINDING PLAN LEVEL 3

DRAWING No.: F1592-ANP103
FACILITY ID: F1592
SHEET No.: 410
REV.: 0



COLOR WAYFINDING PLAN - LEVEL 4

SCALE: 1/16" = 1'-0"

1 F1592-AAE010

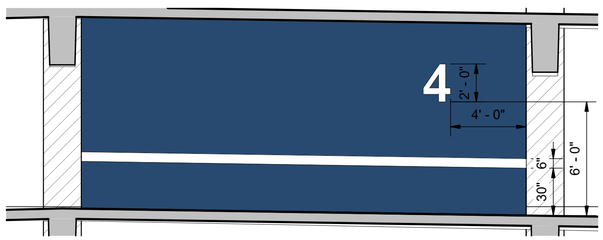
GENERAL NOTE

1. SEE SHEET F1592-AFS004 - FINISH SCHEDULE, FOR WAYFINDING COLOR SELECTION.

WAYFINDING LEGEND

COLOR	LEVEL	THEME
	LEVEL 5	SKY
	LEVEL 4	MOUNTAIN
	LEVEL 3	BARN
	LEVEL 2	FOREST
	LEVEL 1	FLOWER

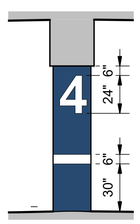
NOTE:
SEE SHEET F1592-AFS004 FOR COLOR SCHEDULE



WAYFINDING - LEVEL 4 - WALL

SCALE: 1/4" = 1'-0"

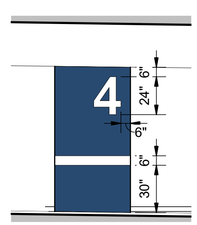
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WAYFINDING - LEVEL 4 - COLUMN

SCALE: 1/4" = 1'-0"

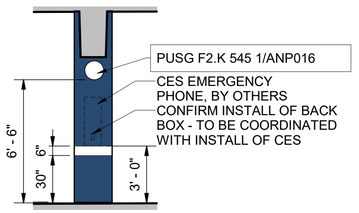
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WAYFINDING - LEVEL 4 - WIDE COLUMN

SCALE: 1/4" = 1'-0"

4 -



WAYFINDING - L4 - COLUMN - CES

SCALE: 1/4" = 1'-0"

5 -

N

2' 0' 8' 16' 32'

SCALE IN FEET

6/21/2022 4:26:34 PM
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FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	CD	PC	BC	FINAL AS-BUILT

DESIGNED BY: C. DOMINGUEZ
DRAWN BY: M. BRYANT/ N. SMITH
CHECKED BY: P. CHUBB
APPROVED BY: B. CONNOLLY

MITHŪN
SUBMITTED BY: SARA ROBERTS

HENSEL PHELPS Plan. Build. Manage.
kpff
DATE: 10/26/2022
REVIEWED BY: GREG SHIMIZU

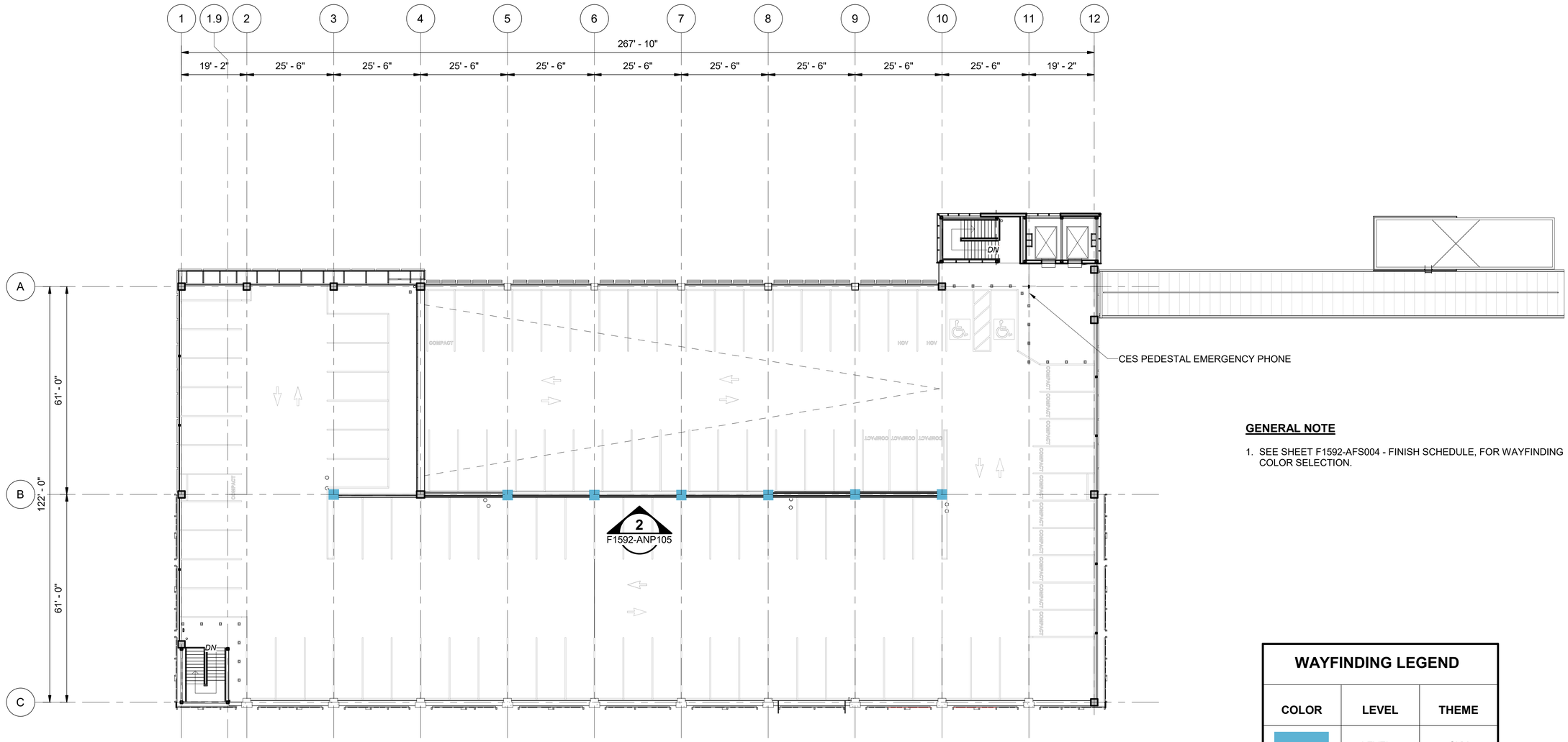
LINE IS 1" AT FULL SCALE

SOUNDTRANSIT
DATE: 10/26/2022

SCALE: AS NOTED
FILENAME: S317-F1592-A_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
ARCHITECTURAL
COLOR WAYFINDING PLAN LEVEL 4

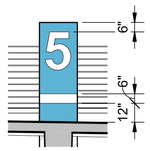
DRAWING No.: F1592-ANP104
FACILITY ID: F1592
SHEET No.: 411
REV.: 0



COLOR WAYFINGING PLAN - LEVEL 5

SCALE: 1/16" = 1'-0"

1
F1592-AAE010



WAYFINDING - LEVEL 5 - PIER

SCALE: 1/4" = 1'-0"

2
-

GENERAL NOTE

1. SEE SHEET F1592-AFS004 - FINISH SCHEDULE, FOR WAYFINDING COLOR SELECTION.

WAYFINDING LEGEND

COLOR	LEVEL	THEME
	LEVEL 5	SKY
	LEVEL 4	MOUNTAIN
	LEVEL 3	BARN
	LEVEL 2	FOREST
	LEVEL 1	FLOWER

NOTE:
SEE SHEET F1592-AFS004 FOR COLOR SCHEDULE

N

2' 0' 8' 16' 32'

SCALE IN FEET

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FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	CD	PC	BC	FINAL AS-BUILT

DESIGNED BY: C. DOMINGUEZ
DRAWN BY: M. BRYANT/ N. SMITH
CHECKED BY: P. CHUBB
APPROVED BY: B. CONNOLLY

MITHŪN
SUBMITTED BY: SARA ROBERTS

HENSEL PHELPS Plan. Build. Manage.
kpff
DATE: 10/26/2022

REVIEWED BY: GREG SHIMIZU
DATE: 10/26/2022

LINE IS 1" AT FULL SCALE

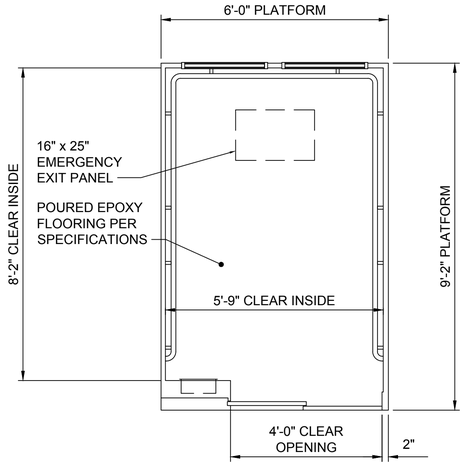
SOUNDTRANSIT

SCALE: AS NOTED
FILENAME: S317-F1592-A_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
ARCHITECTURAL
COLOR WAYFINDING PLAN LEVEL 5

DRAWING No.: F1592-ANP105
FACILITY ID: F1592
SHEET No.: 412
REV.: 0

Xrefs:

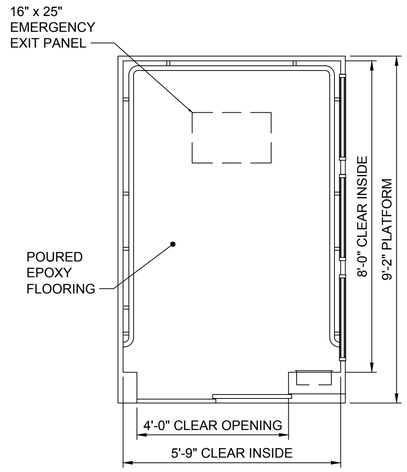


ELEVATOR 1 CAB PLAN

SCALE: 1/2" = 1'-0"

1

-

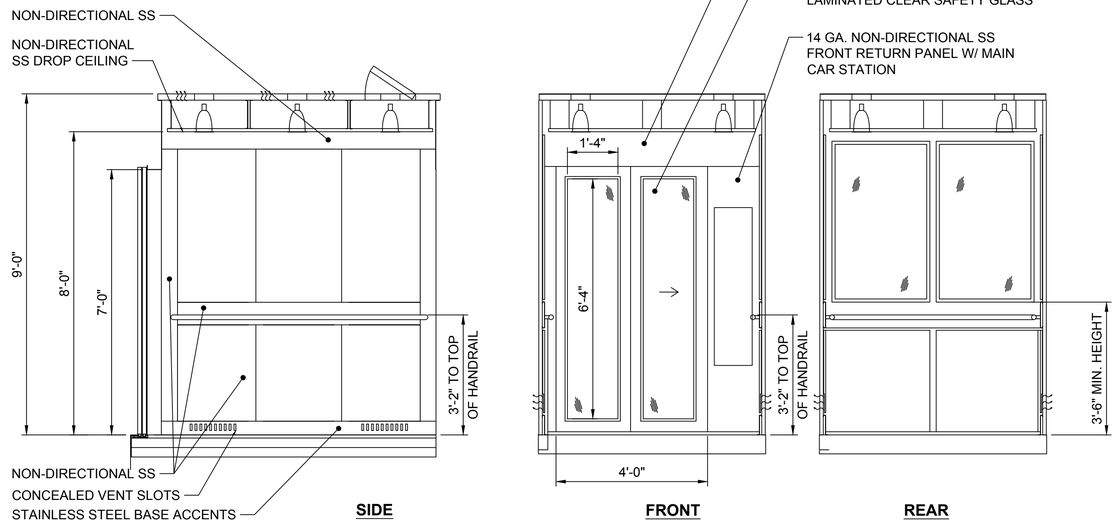


ELEVATOR 2 CAB PLAN

SCALE: 1/2" = 1'-0"

2

-

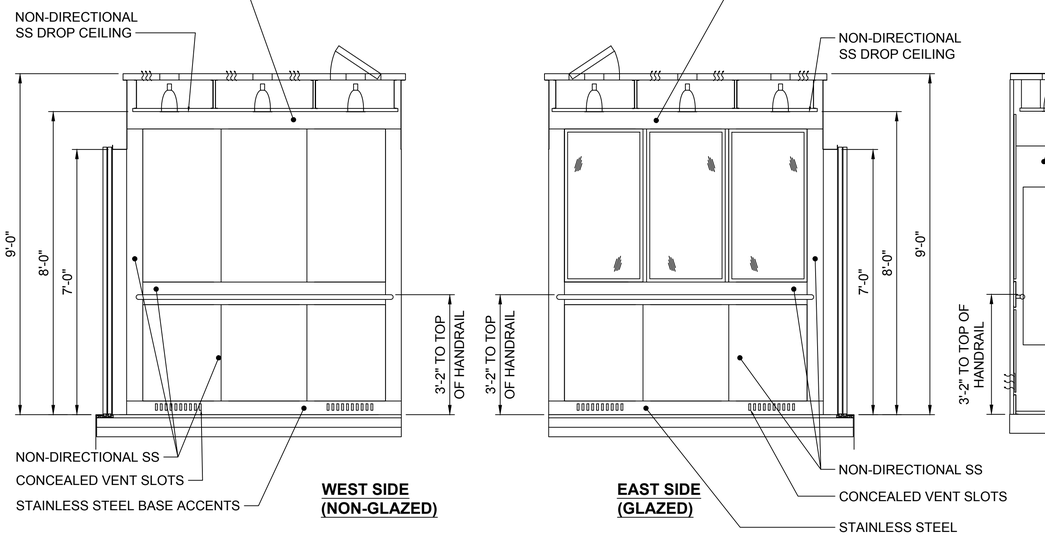


ELEVATOR 1 CAB ELEVATIONS

SCALE: 1/2" = 1'-0"

A

-

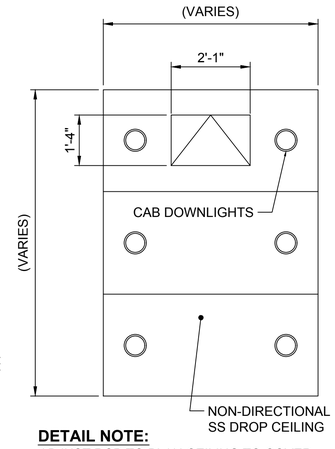


ELEVATOR 2 CAB ELEVATIONS

SCALE: 1/2" = 1'-0"

B

-



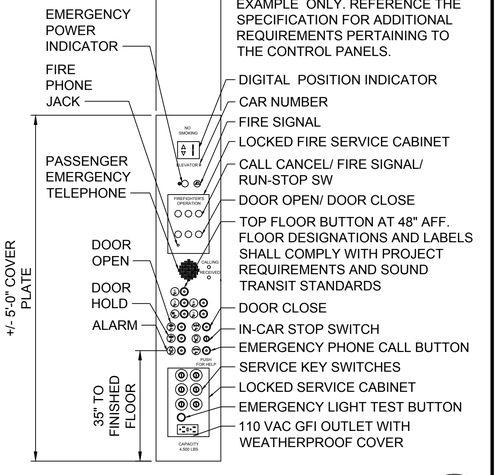
DETAIL NOTE:
ADJUST RCP TO PLAN CEILING TO COVER ENTIRE FLOOR AREA WITHIN 1" OF CAB WALLS IN EACH DIRECTION

TYP ELEV REFLECTED CLG PLAN

SCALE: 1/2" = 1'-0"

3

-



ELEVATOR CONTROL PANEL

SCALE: 1/2" = 1'-0"

4

-

1/2' 0 1' 2' 4'

SCALE IN FEET

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	RF	DT	DT	FINAL AS-BUILT

DESIGNED BY: R. FREDERICK
DRAWN BY: J. ZANZIG
CHECKED BY: D. TURNER
APPROVED BY: D. TURNER

THE GREENBUSCH GROUP, INC
ACOUSTICAL, AUDIO / VIDEO & MECHANICAL ENGINEERING
1900 WEST NICKERSON STREET SUITE 201 SEATTLE, WA 98119
(206) 378-0569 (206) 378-0641 FAX

HENSEL PHELPS
Plan. Build. Manage.
kpff

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT

SCALE: 1/2" = 1'-0"
FILENAME: S317-F1592-AVD900
CONTRACT No.: RTA/CN 0612-18

SUBMITTED BY:	DATE:	REVIEWED BY:	DATE:	SUBMITTAL DATE:
R. FREDERICK	10/26/2022	D. TURNER	10/26/2022	10/26/2022

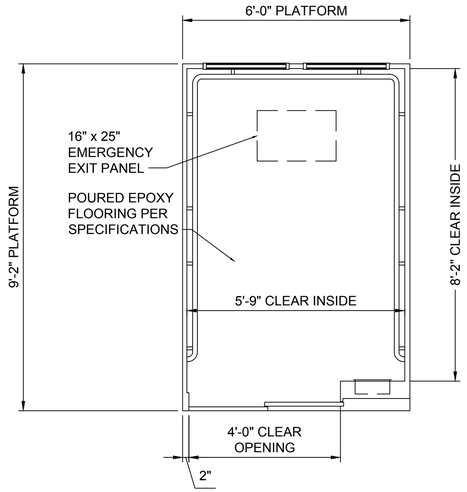
PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVMENTS

ARCHITECTURAL
GARAGE NORTH ELEVATOR DETAILS

DRAWING No.: F1592-AVD900
FACILITY ID: F1592
SHEET No.: 413
REV: 0

06/22/22 | 1:11 PM | JENNIFERZ
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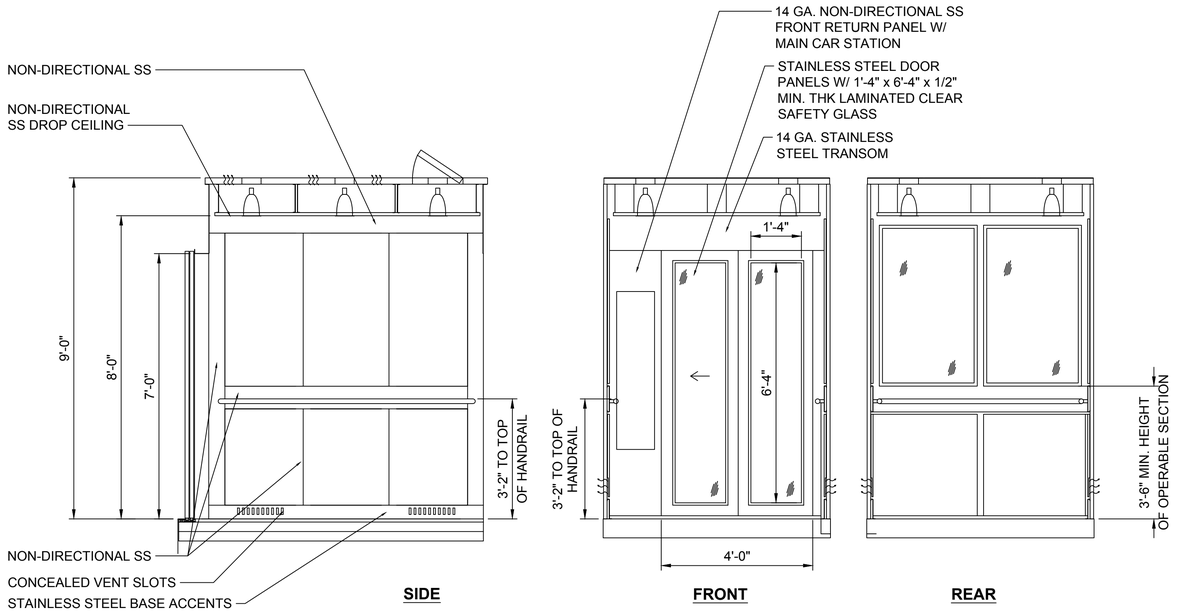
Xrefs:



ELEVATOR CAB PLAN

SCALE: 1/2" = 1'-0"

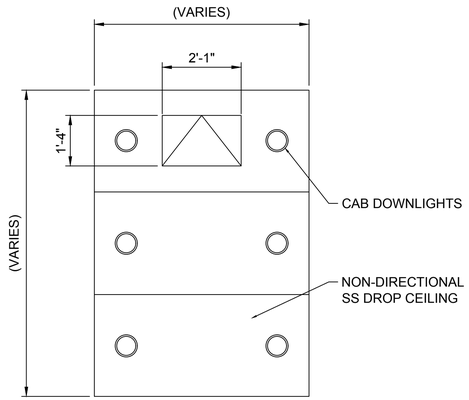
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ELEVATOR CAB ELEVATIONS

SCALE: 1/2" = 1'-0"

A / -



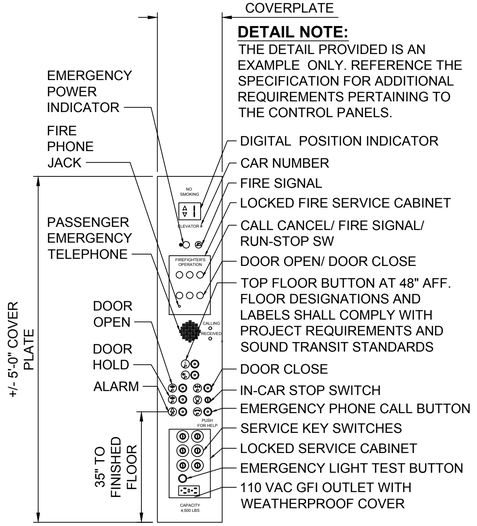
DETAIL NOTE:

ADJUST RCP TO PLAN CEILING TO COVER ENTIRE FLOOR AREA WITHIN 1" OF CAB WALLS IN EACH DIRECTION

TYP ELEV REFLECTED CLG PLAN

SCALE: 1/2" = 1'-0"

2 / -



DETAIL NOTE:

THE DETAIL PROVIDED IS AN EXAMPLE ONLY. REFERENCE THE SPECIFICATION FOR ADDITIONAL REQUIREMENTS PERTAINING TO THE CONTROL PANELS.

ELEVATOR CONTROL PANEL

SCALE: 1/2" = 1'-0"

3 / -

1/2" 0 1' 2' 4"

SCALE IN FEET

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	RF	DT	DT	FINAL AS-BUILT

DESIGNED BY: R. FREDERICK
DRAWN BY: J. ZANZIG
CHECKED BY: D. TURNER
APPROVED BY: D. TURNER

THE GREENBUSCH GROUP, INC
ACOUSTICAL, AUDIO / VIDEO & MECHANICAL ENGINEERING
1900 WEST NICKERSON STREET SUITE 201 SEATTLE, WA 98119
(206) 378-0569 (206) 378-0641 FAX

HENSEL PHELPS
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kpff

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT

SUBMITTED BY: R. FREDERICK
DATE: 10/26/2022
REVIEWED BY: D. TURNER
DATE: 10/26/2022

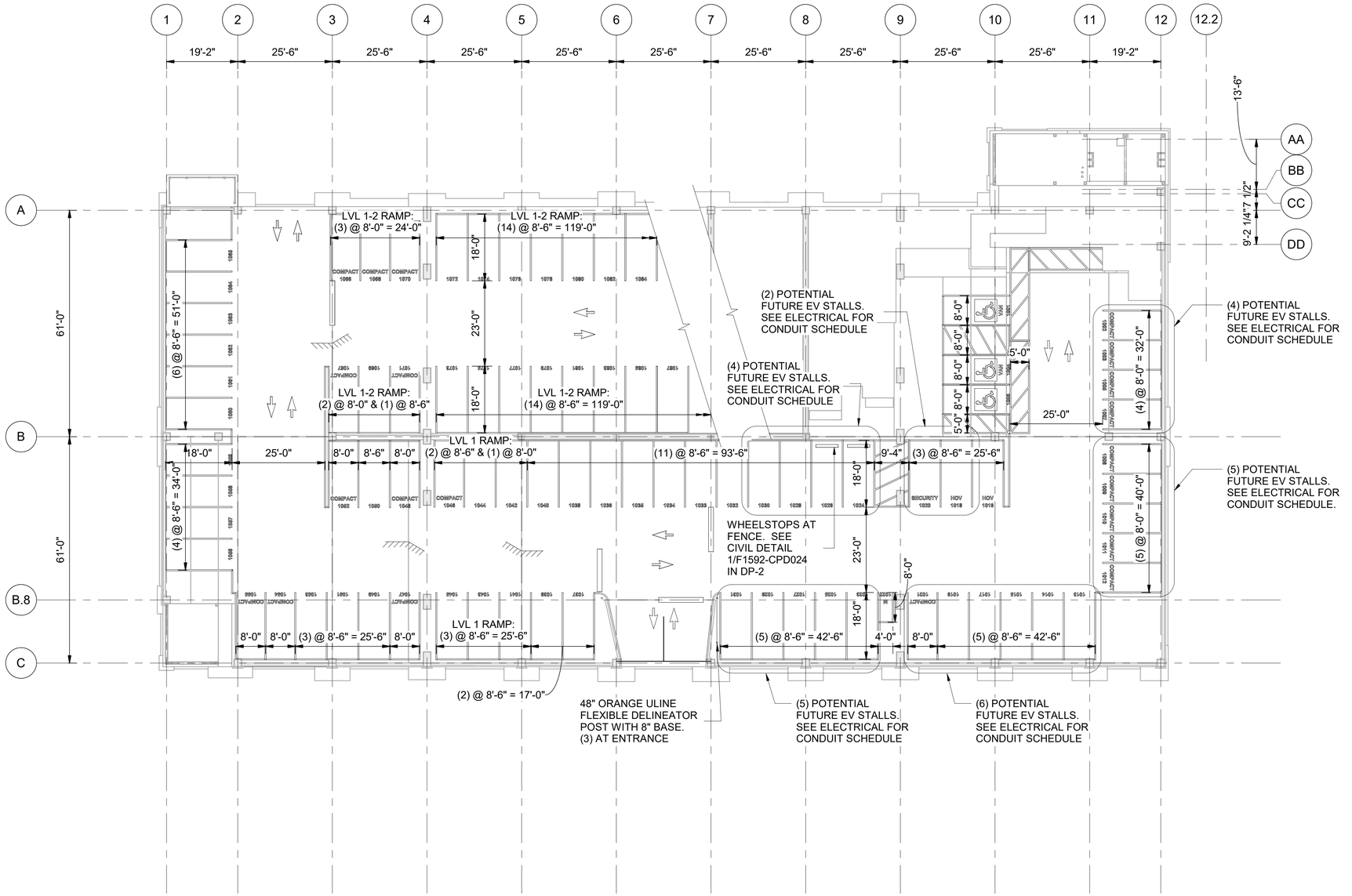
SCALE: 1/2" = 1'-0"
FILENAME: S317-F1592-AVD901
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVMENTS

ARCHITECTURAL
EAST ABUTMENT ELEVATOR DETAILS

DRAWING No.: F1592-AVD901
FACILITY ID: F1592
SHEET No.: 414
REV: 0

06/22/22 | 1:11 PM | JENNIFERZ
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NOTES:

1. SEE F1592-AMD SERIES FOR TYPICAL STRIPING DETAILS
2. LEVEL 1-5: 10'-8" STORY HEIGHT ALLOWS 7'-3" CLEARANCE
3. REFER TO ARCHITECTURAL DRAWINGS FOR ANY ANCILLARY SPACES AND VERTICAL TRANSPORTATION.
4. THESE DRAWINGS ARE FOR STRIPING PURPOSES ONLY, NOT FOR CONSTRUCTION.
5. FOR ALL PAVEMENT MARKINGS INSIDE PARKING GARAGE, FOLLOW TYPICAL STRIPING DETAILS.

TOTAL STALL SUMMARY	
LEVEL*	STALLS
LEVEL 5	77
LEVEL 4	111
LEVEL 3	109
LEVEL 2	109
LEVEL 1	104
TOTAL:	510

*LEVEL IS DEFINED BY TOP OF RAMP AT GRID 10

COMPACT STALL SUMMARY	
LEVEL	STALLS
LEVEL 5	11
LEVEL 4	23
LEVEL 3	21
LEVEL 2	21
LEVEL 1	23
TOTAL:	99

COMPACTS: 99/510 = 19% (COMPLIES WITH 20% MAXIMUM)

ADA STALL SUMMARY		
LEVEL	TYPE	STALLS
LEVEL 5	ADA	2
LEVEL 4	ADA	2
LEVEL 3	ADA	2
LEVEL 2	ADA	2
LEVEL 1	ADA	1
LEVEL 1	VAN	2
TOTAL:		11

HOV STALL SUMMARY		
LEVEL	TYPE	STALLS
LEVEL 4	HOV	6
LEVEL 3	HOV	7
LEVEL 2	HOV	7
LEVEL 1	HOV	5
TOTAL:		25

MOTORCYCLE STALL SUMMARY		
LEVEL	TYPE	STALLS
LEVEL 4	M	2
LEVEL 3	M	4
LEVEL 2	M	4
LEVEL 1	M	3
TOTAL:		13

FUTURE EV STALL SUMMARY		
LEVEL	TYPE	STALLS
LEVEL 1		26
TOTAL:		26

FUTURE EV: 26/510 = 5.1%

N

2' 0' 8' 16' 32'

SCALE IN FEET

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	JNC	JJC	SLR	FINAL AS-BUILT

DESIGNED BY: J. CELIN
DRAWN BY: M. AGUILING
CHECKED BY: J. CREAGAN
APPROVED BY: S. ROBERTS

kpff

HENSEL PHELPS Plan. Build. Manage.
kpff

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT

SUBMITTED BY: SARA ROBERTS
DATE: 10/26/2022
REVIEWED BY: GREG SHIMIZU
DATE: 10/26/2022

SCALE: 1/16" = 1'-0"
FILENAME: S317-F1592-S_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

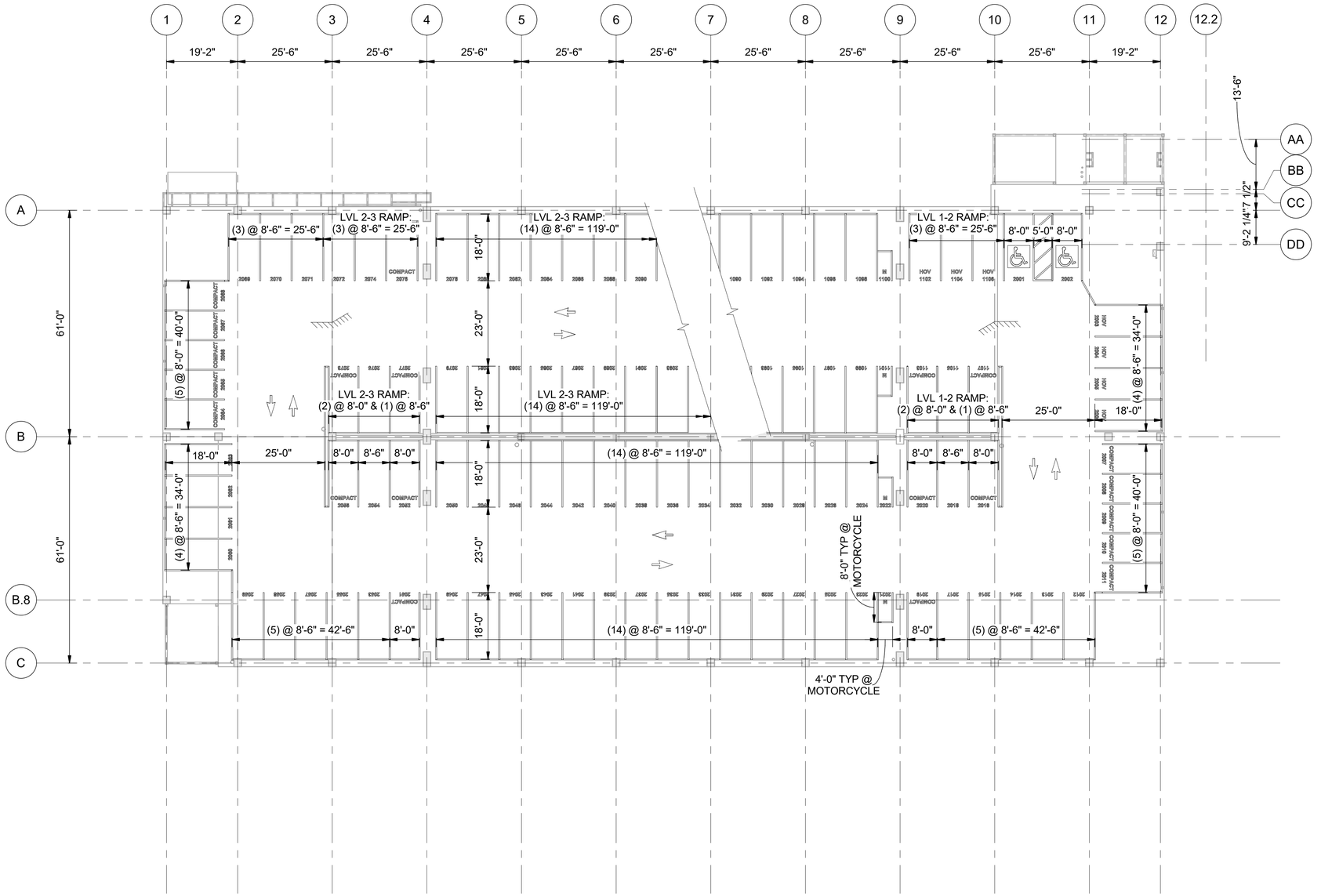
PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
PARKING
STRIPING PLAN - LEVEL 1

DRAWING No.: F1592-AMP109
FACILITY ID: F1592
SHEET No.: 415
REV.: 0

6/14/2022 4:28:59 PM
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NOTES:

1. SEE F1592-AMP109 FOR TYPICAL PLAN NOTES
2. SEE F1592-AMD SERIES FOR TYPICAL STRIPING DETAILS



N

2' 0' 8' 16' 32'

SCALE IN FEET

6/14/2022 4:29:01 PM
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FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	JNC	JJC	SLR	FINAL AS-BUILT

DESIGNED BY: J. CELIN
DRAWN BY: M. AGUILING
CHECKED BY: J. CREAGAN
APPROVED BY: S. ROBERTS

kpff

HENSEL PHELPS
Plan. Build. Manage.
kpff

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT

SUBMITTED BY: SARA ROBERTS
DATE: 10/26/2022
REVIEWED BY: GREG SHIMIZU
DATE: 10/26/2022

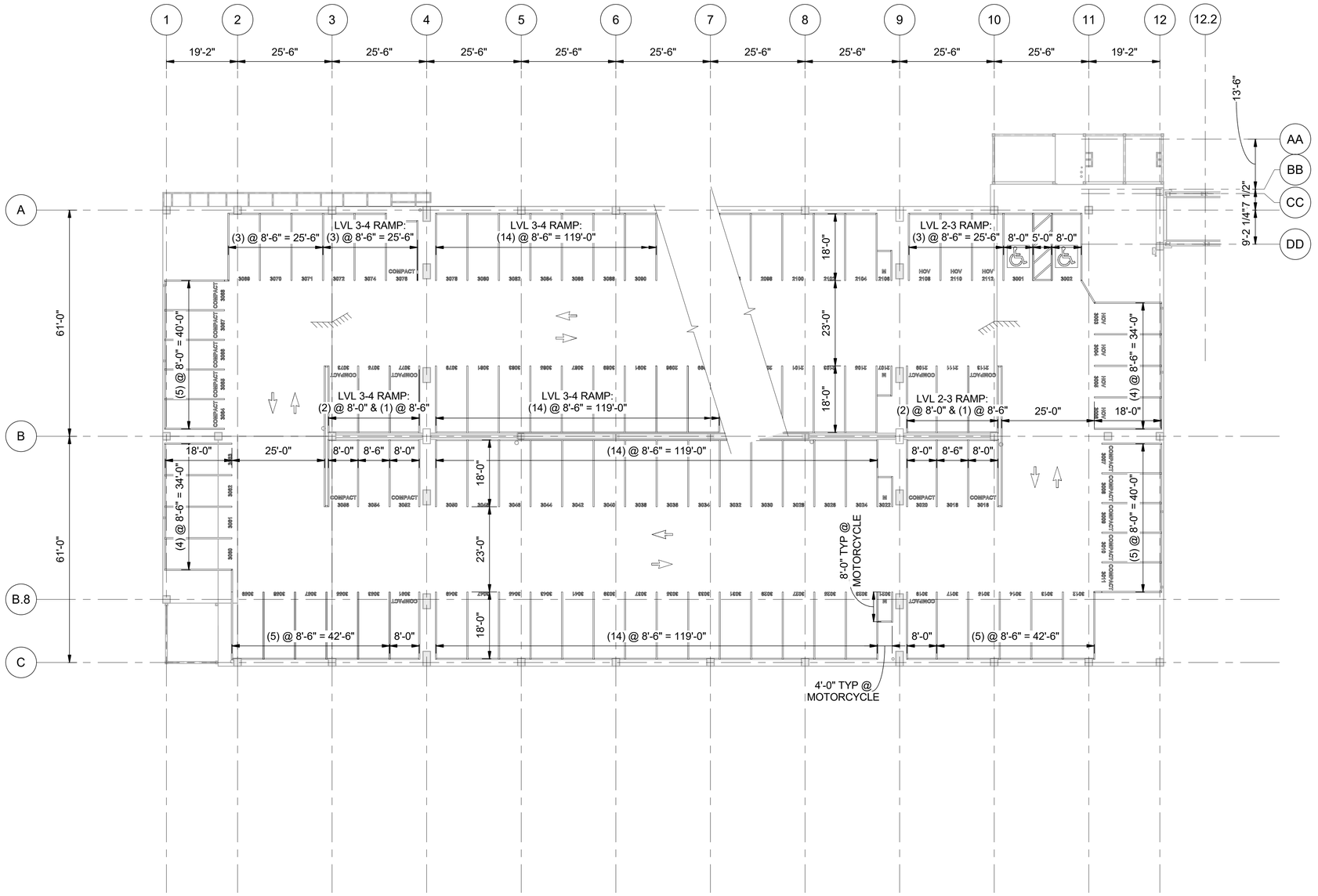
SCALE: 1/16" = 1'-0"
FILENAME: S317-F1592-S_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
PARKING
STRIPING PLAN - LEVEL 2

DRAWING No.: F1592-AMP209
FACILITY ID: F1592
SHEET No.: 416
REV.: 0

NOTES:

1. SEE F1592-AMP109 FOR TYPICAL PLAN NOTES
2. SEE F1592-AMD SERIES FOR TYPICAL STRIPING DETAILS





FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	JNC	JJC	SLR	FINAL AS-BUILT

DESIGNED BY: J. CELIN
DRAWN BY: M. AGUILING
CHECKED BY: J. CREAGAN
APPROVED BY: S. ROBERTS

kpff

HENSEL PHELPS
Plan. Build. Manage.
kpff

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT

SUBMITTED BY: SARA ROBERTS
DATE: 10/26/2022
REVIEWED BY: GREG SHIMIZU
DATE: 10/26/2022

SCALE: 1/16" = 1'-0"
FILENAME: S317-F1592-S_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

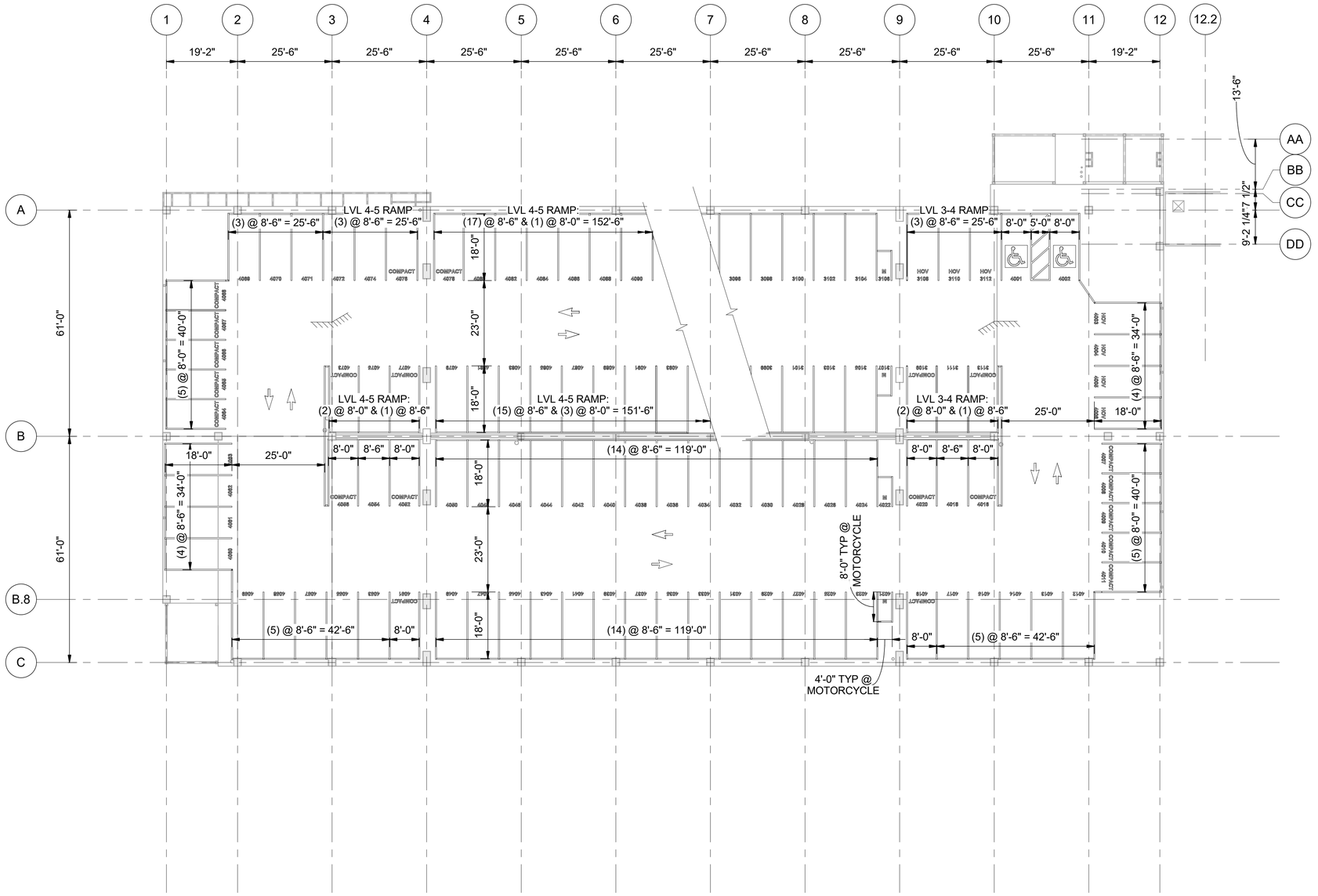
PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
PARKING
STRIPING PLAN - LEVEL 3

DRAWING No.: F1592-AMP309
FACILITY ID: F1592
SHEET No.: 417
REV.: 0

6/14/2022 4:29:03 PM
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NOTES:

1. SEE F1592-AMP109 FOR TYPICAL PLAN NOTES
2. SEE F1592-AMD SERIES FOR TYPICAL STRIPING DETAILS





2' 0' 8' 16' 32'

SCALE IN FEET

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	JNC	JJC	SLR	FINAL AS-BUILT

DESIGNED BY: J. CELIN
DRAWN BY: M. AGUILING
CHECKED BY: J. CREAGAN
APPROVED BY: S. ROBERTS

kpff — SUBMITTED BY: SARA ROBERTS — DATE: 10/26/2022

HENSEL PHELPS Plan. Build. Manage. kpff — REVIEWED BY: GREG SHIMIZU — DATE: 10/26/2022

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT

SCALE: 1/16" = 1'-0"
FILENAME: S317-F1592-S_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

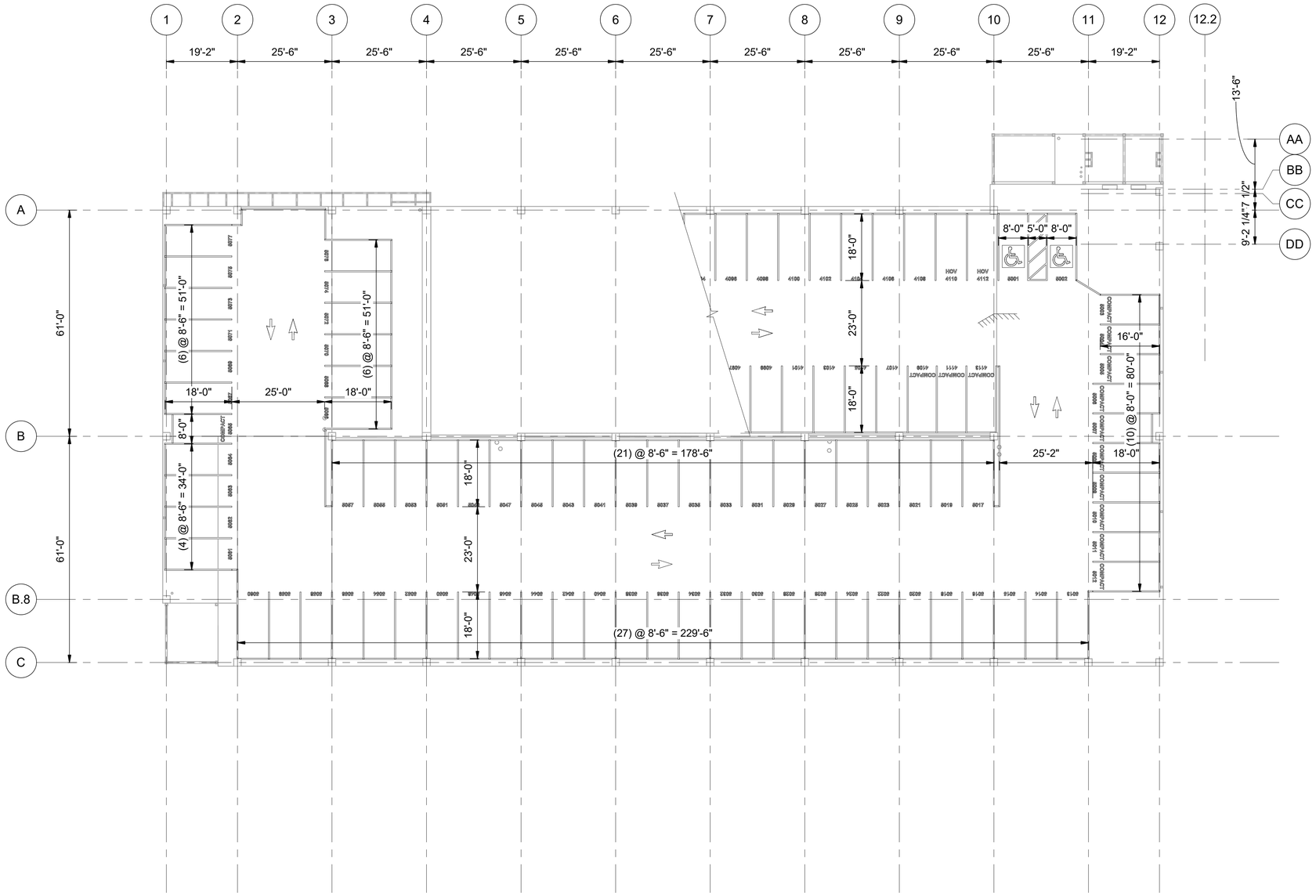
PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
PARKING
STRIPING PLAN - LEVEL 4

DRAWING No.: F1592-AMP409
FACILITY ID: F1592
SHEET No.: 418
REV.: 0

6/14/2022 4:29:05 PM
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NOTES:

1. SEE F1592-AMP109 FOR TYPICAL PLAN NOTES
2. SEE F1592-AMD SERIES FOR TYPICAL STRIPING DETAILS





2' 0' 8' 16' 32'

SCALE IN FEET

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	JNC	JJC	SLR	FINAL AS-BUILT

DESIGNED BY: J. CELIN
DRAWN BY: M. AGUILING
CHECKED BY: J. CREAGAN
APPROVED BY: S. ROBERTS

kpff

SUBMITTED BY: SARA ROBERTS

HENSEL PHELPS
Plan. Build. Manage.
kpff

DATE: 10/26/2022

REVIEWED BY: GREG SHIMIZU

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT

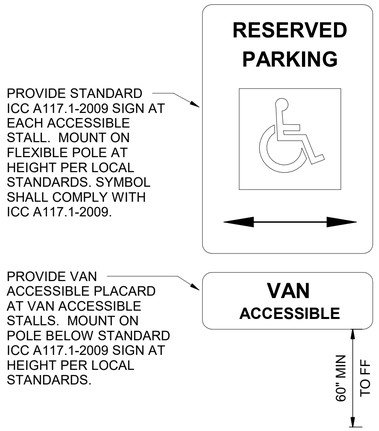
DATE: 10/26/2022

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FILENAME: S317-F1592-S_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
PARKING
STRIPING PLAN - LEVEL 5

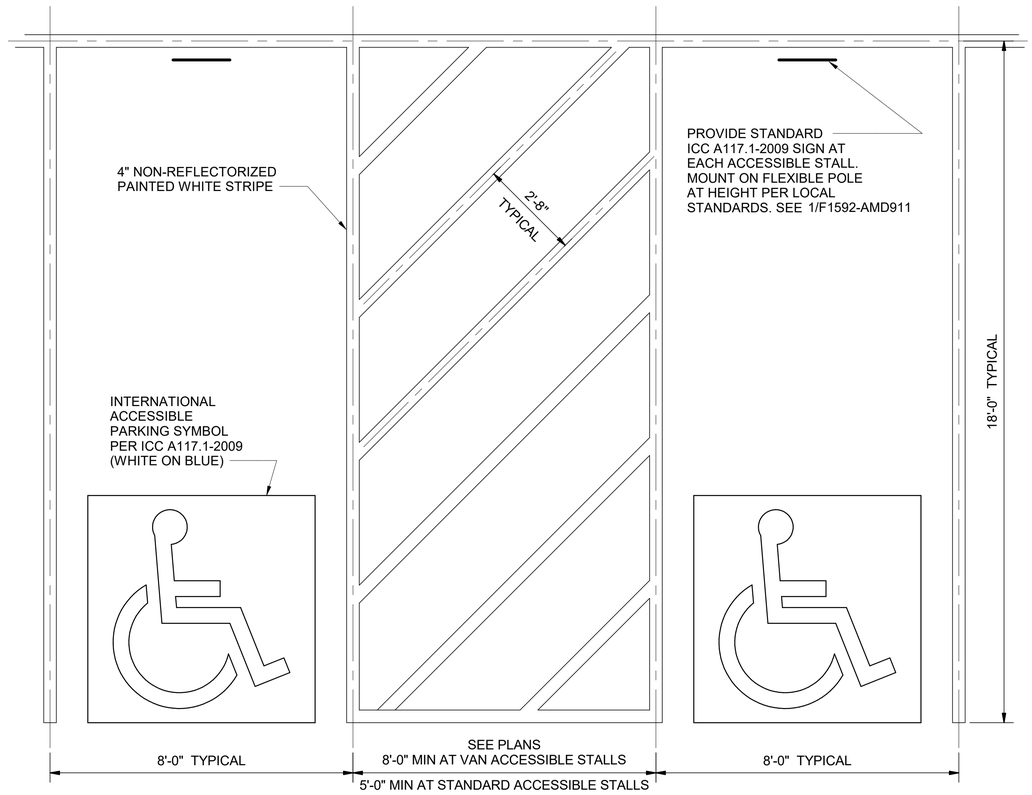
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FACILITY ID: F1592
SHEET No.: 419
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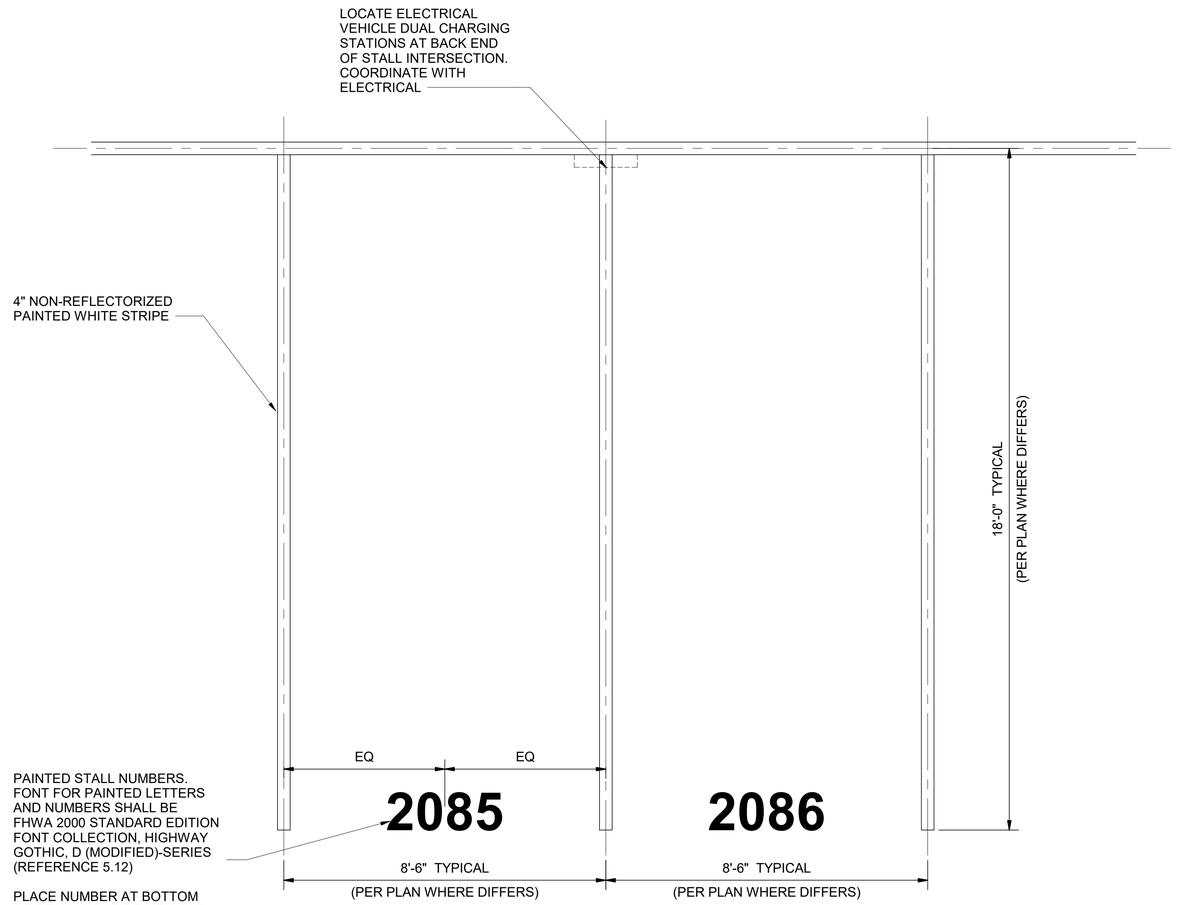
ACCESSIBLE STALL SIGN DETAIL 1

SCALE: NTS



ACCESSIBLE STALL STRIPING DETAIL 2

SCALE: NTS



TYPICAL PARKING STRIPING DETAIL 3

SCALE: NTS

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FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	JNC	JJC	SLR	FINAL AS-BUILT

DESIGNED BY: J. CELIN
DRAWN BY: M. AGUILING
CHECKED BY: J. CREAGAN
APPROVED BY: S. ROBERTS

kpff

HENSEL PHELPS
Plan. Build. Manage.
kpff

LINE IS 1" AT FULL SCALE

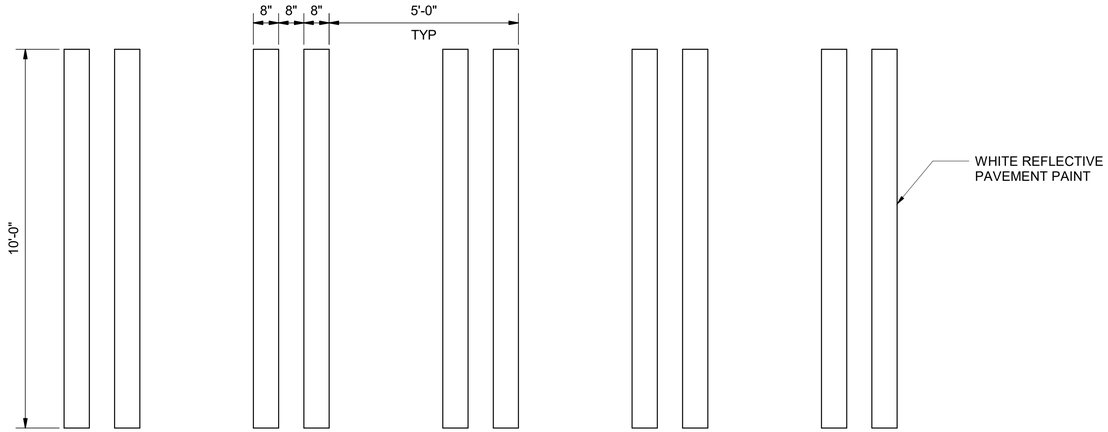
SOUNDTRANSIT

SUBMITTED BY: SARA ROBERTS
DATE: 10/26/2022
REVIEWED BY: GREG SHIMIZU
DATE: 10/26/2022

SCALE: NTS
FILENAME: S317-F1592-S_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

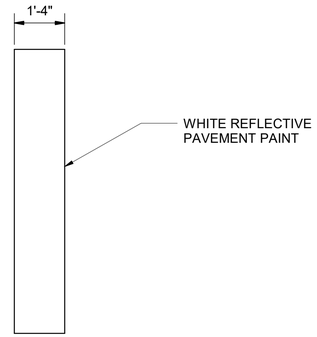
PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
PARKING
STRIPING DETAILS

DRAWING No.: F1592-AMD911
FACILITY ID: F1592
SHEET No.: 420
REV.: 0



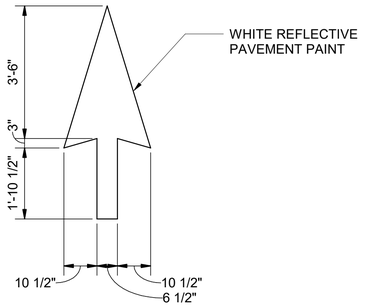
CROSSWALK DETAIL 1

SCALE: NTS -



STOP BAR DETAIL 2

SCALE: NTS -



PARKING STRIPING ARROW DETAIL 3

SCALE: NTS -

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	JNC	JJC	SLR	FINAL AS-BUILT

DESIGNED BY: J. CELIN
DRAWN BY: M. AGUILING
CHECKED BY: J. CREAGAN
APPROVED BY: S. ROBERTS

kpff

HENSEL PHELPS
Plan. Build. Manage.
kpff

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT

SUBMITTED BY: SARA ROBERTS
DATE: 10/26/2022
REVIEWED BY: GREG SHIMIZU
DATE: 10/26/2022

SCALE: NTS
FILENAME: S317-F1592-S_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
PARKING
STRIPING DETAILS

DRAWING No.: **F1592-AMD912**
FACILITY ID: F1592
SHEET No.: 421
REV.: 0

6/14/2022 4:28:55 PM
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Xrefs:
xGB-TB22x34

HARDSCAPE ABBREVIATIONS

#/NUM	NUMBER	EX	EXISTING
%	PERCENT	FG	FINISH GRADE
&	AND	HORIZ	HORIZONTAL
@	AT	HMA	HOT MIX ASPHALT
APPROX	APPROXIMATELY	MAX	MAXIMUM
CL	CENTERLINE	MIN	MINIMUM
CLR	CLEAR	NTS	NOT TO SCALE
CONC	CONCRETE	OC	ON CENTER
CONT	CONTINUOUS	SPEC(S)	SPECIFICATION(S)
DEG	DEGREE	SST	STAINLESS STEEL
DIA	DIAMETER	STA	STATION
DWG(S)	DRAWING(S)	TYP	TYPICAL
EQ	EQUAL	W/	WITH

HARDSCAPE NOTES

1. ANY DISCREPANCIES WITH THE DWGS AND/OR SPECS & SITE CONDITIONS MUST BE BROUGHT TO THE ATTENTION OF RESIDENT ENGINEER PRIOR TO PROCEEDING WITH CONSTRUCTION.
2. THE CONTRACTOR IS RESPONSIBLE FOR LOCATING UTILITIES PRIOR TO BEGINNING CONSTRUCTION.
3. RESIDENT ENGINEER MUST INSPECT MATERIALS AND STAKING LOCATIONS PRIOR TO INSTALLATION OF ALL HARDSCAPE ELEMENTS.
4. CONTRACTOR MUST BE RESPONSIBLE FOR ANY COORDINATION WITH SUB-CONTRACTORS AS REQUIRED TO ACCOMPLISH CONSTRUCTION OPERATIONS.

HARDSCAPE LEGEND

1 / F1592-LHD102 — EXTERIOR CONCRETE PAVING
FINISH MEDIUM BROOM

CONCRETE SIDEWALK PAVING; PER DP-3
CRP SERIES DRAWINGS

PLANTING AREA; SEE PLANTING PLAN DWGS
F1592-LPP101 THROUGH F1592-LPP106

1 / F1592-LHD102 — CONTROL JOINT

4 / F1592-LHD102 — SPECIALTY PAVING INTEGRAL COLOR A
WITH MEDIUM BROOM FINISH; SEE SPECS

4 / F1592-LHD102 — SPECIALTY PAVING INTEGRAL COLOR B
WITH MEDIUM BROOM FINISH; SEE SPECS

INTERPRETIVE FEATURE

3 / F1592-LHD102 — LITTER AND RECYCLE RECEPTACLES

ALIGN

1 / F1592-LHD104 — STRUCTURAL SOIL LIMITS

05/04/23 | 8:51 AM | APARKER
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FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	04/17/2023	RD	JV	JV	FINAL AS-BUILT

DESIGNED BY: R. DOTSON
DRAWN BY: P. MAGINNITY
CHECKED BY: J. VONG
APPROVED BY: J. VONG

HBB LANDSCAPE ARCHITECTURE
SUBMITTED BY: SARA ROBERTS

HENSEL PHELPS Plan. Build. Manage. kpff
DATE: 04/17/2023
REVIEWED BY: GREG SHIMIZU

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT
DATE: 04/17/2023

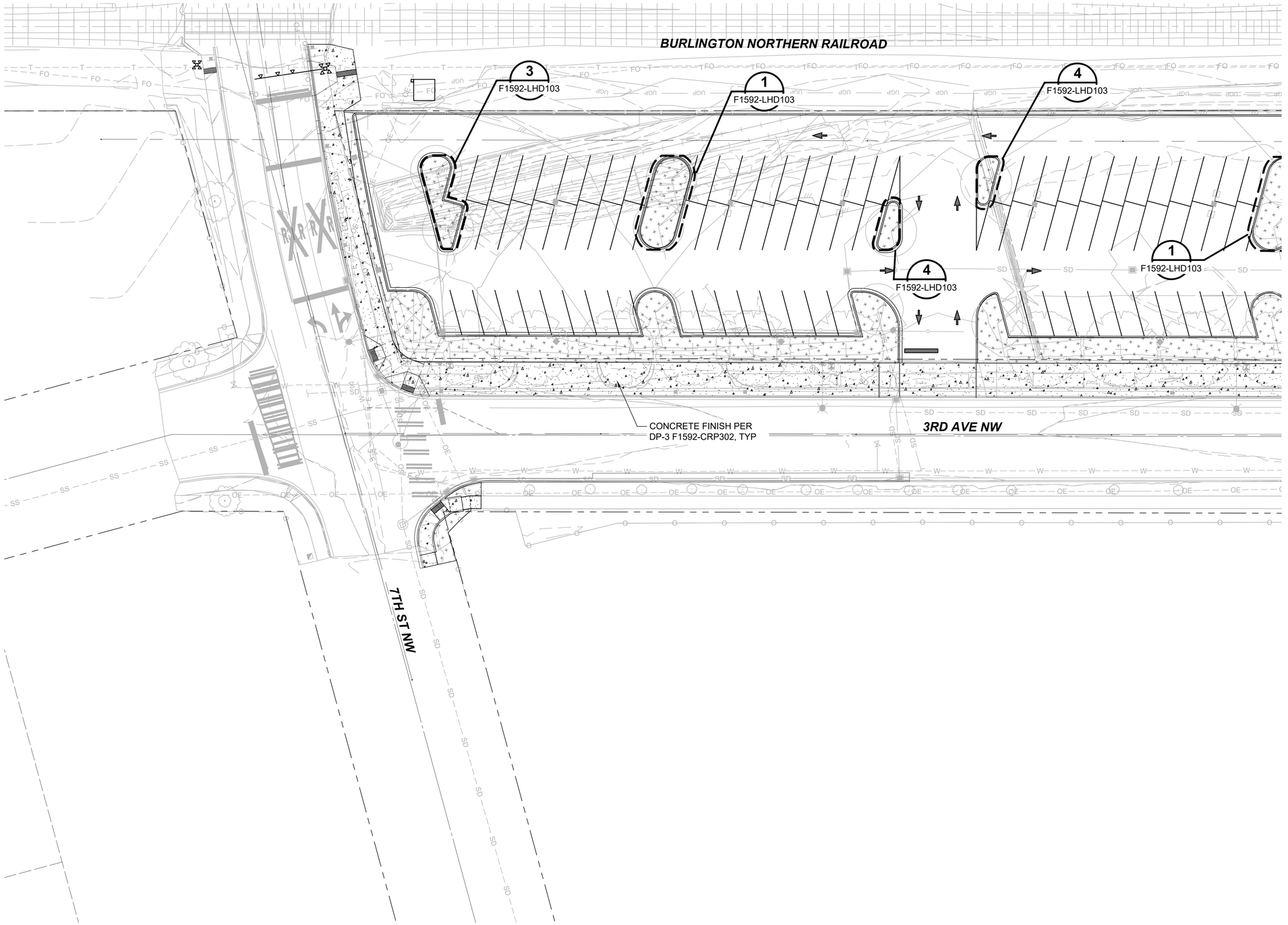
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FILENAME: S317-F1592-LHN100
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 04/17/2023

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS

LANDSCAPE
HARDSCAPE NOTES, LEGEND, AND ABBREVIATIONS

DRAWING No.: F1592-LHN100
FACILITY ID: F1592
SHEET No.: 422
REV: 0

Xrefs:
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xS317-F1592-CLP100
dS317-F1592-CAP100
xS317-F1592-CMP100
xS317-F1592-CGP100
xS317-F1592-ELP100
xS317-F1592-VRX100



GENERAL NOTE:

1. SEE DRAWING F1592-LHN100 FOR HARDSCAPE ABBREVIATIONS, HARDSCAPE NOTES, AND HARDSCAPE LEGEND.

N

20 10 0 20 40

SCALE IN FEET

05/04/23 | 8:51 AM | APARKER
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FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	04/17/2023	RD	JV	JV	FINAL AS-BUILT

DESIGNED BY: R. DOTSON
DRAWN BY: P. MAGINNITY
CHECKED BY: J. VONG
APPROVED BY: J. VONG

HBB LANDSCAPE ARCHITECTURE
SUBMITTED BY: SARA ROBERTS
DATE: 04/17/2023

HENSEL PHELPS Plan. Build. Manage.
kpff
REVIEWED BY: GREG SHIMIZU
DATE: 04/17/2023

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT
SUBMITTAL DATE: 04/17/2023

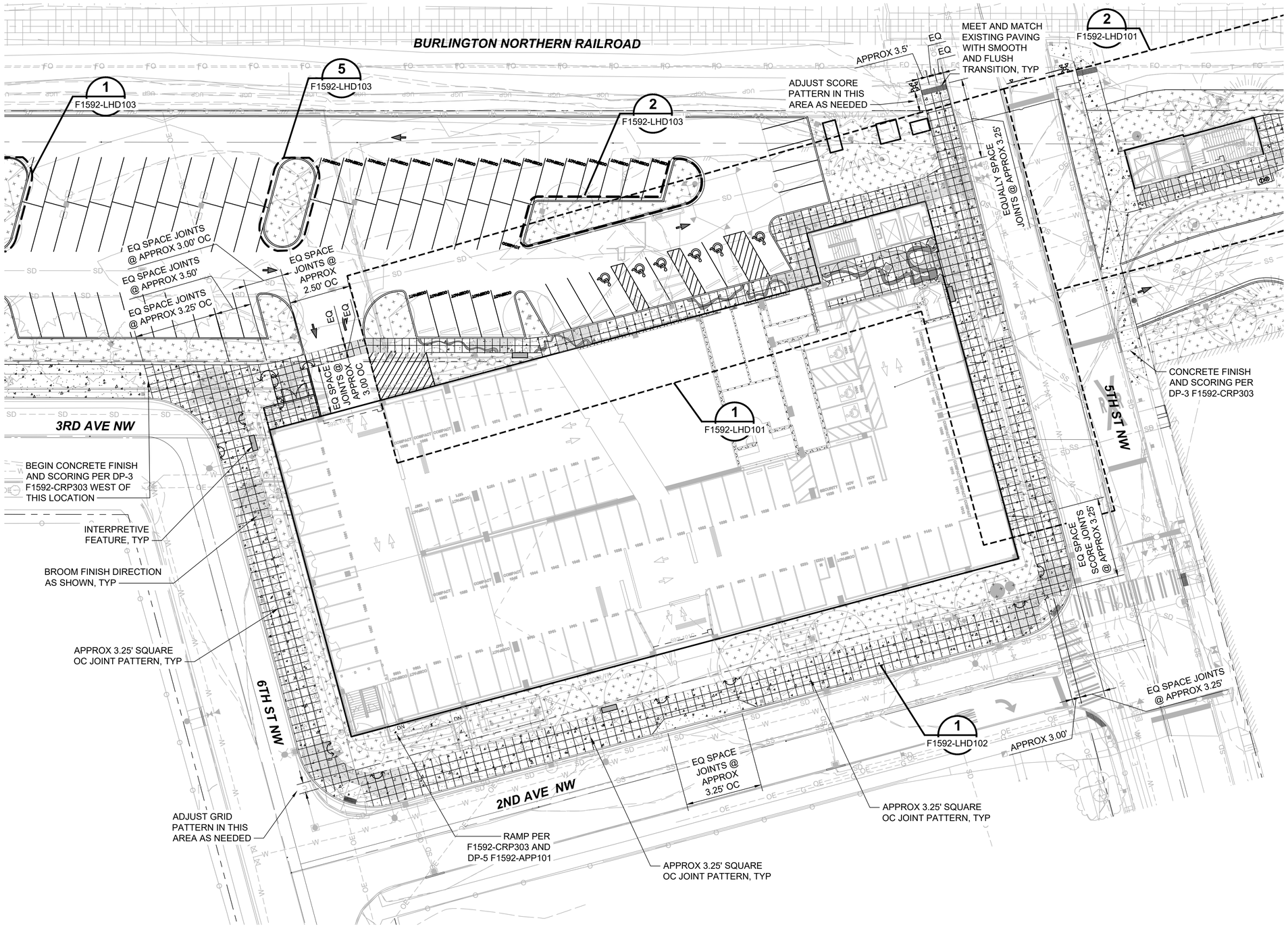
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FILENAME: S317-F1592-LHP102
CONTRACT No.: RTA/CN 0612-18

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS

LANDSCAPE
HARDSCAPE PLAN

DRAWING No.: F1592-LHP102
FACILITY ID: F1592
SHEET No.: 423
REV: 0

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xS317-F1592-CMP100
xS317-F1592-CGP100
xS317-F1592-ELP100
xS317-F1592-TSP100
xS317-F1592-UPP100
xS317-F1592-APP10
xS317-F1592-VRX100
xS317-F1592-CPP100



GENERAL NOTES:

1. SEE DRAWING F1592-LHN100 FOR HARDSCAPE ABBREVIATIONS, HARDSCAPE NOTES, AND HARDSCAPE LEGEND.
2. UNLESS OTHERWISE NOTED, ALL ANGLES ARE 90 DEGREES.
3. CONTINUE CONTROL JOINTS TO EDGE OF ALL VAULTS, LIGHT POLE BASE, CURBS, PAVERS, HANDHOLES, AND FOUNDATIONS.
4. ALIGN UTILITY VAULTS, JUNCTION BOXES SQUARE WITH ADJACENT CURBS AND CONTROL JOINTS.
5. CONSTRUCTION JOINTS SPACED AT 15' ON-CENTER MAXIMUM PER CITY OF PUYALLUP STANDARD PLAN 01.02.01.

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	04/17/2023	RD	JV	JV	FINAL AS-BUILT

DESIGNED BY: R. DOTSON
DRAWN BY: P. MAGINNITY
CHECKED BY: J. VONG
APPROVED BY: J. VONG

HBB LANDSCAPE ARCHITECTURE
HENSEL PHELPS Plan. Build. Manage.
kpff
SUBMITTED BY: SARA ROBERTS
DATE: 04/17/2023
REVIEWED BY: GREG SHIMIZU
DATE: 04/17/2023

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT
SCALE: 1" = 20'
FILENAME: S317-F1592-LHP103
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 04/17/2023

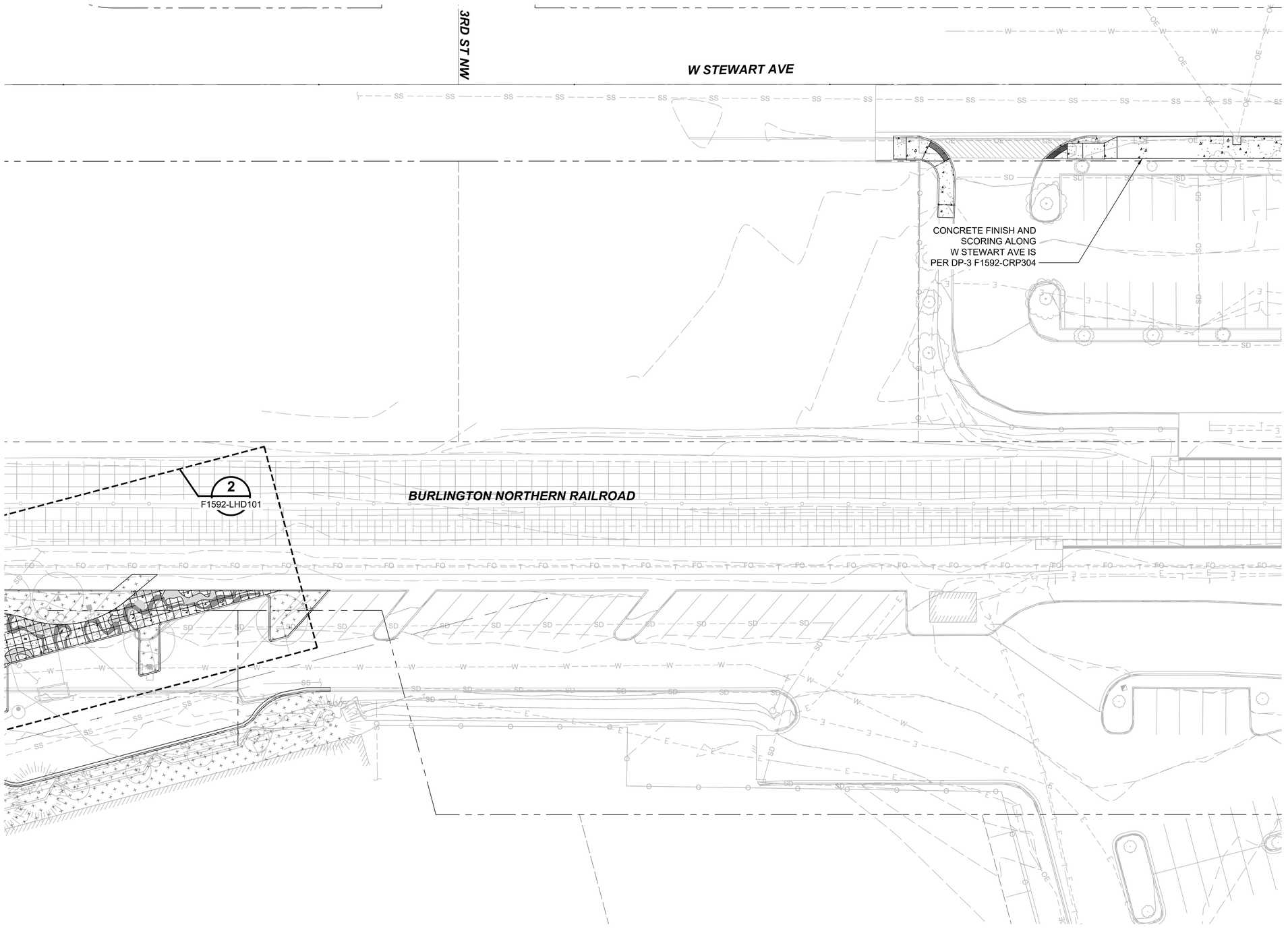
PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS

LANDSCAPE
HARDSCAPE PLAN

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FACILITY ID: F1592
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xS317-F1592-CLP100
dS317-F1592-CAP100
xS317-F1592-CGP100
xS317-F1592-ELP100
xS317-F1592-VRX100



GENERAL NOTE:

1. SEE DRAWING F1592-LHN100 FOR HARDSCAPE ABBREVIATIONS, HARDSCAPE NOTES, AND HARDSCAPE LEGEND.

N

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SCALE IN FEET

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	04/17/2023	RD	JV	JV	FINAL AS-BUILT

DESIGNED BY: R. DOTSON
DRAWN BY: P. MAGINNITY
CHECKED BY: J. VONG
APPROVED BY: J. VONG

HBB LANDSCAPE ARCHITECTURE
SUBMITTED BY: SARA ROBERTS
DATE: 04/17/2023

HENSEL PHELPS Plan. Build. Manage. kpff
REVIEWED BY: GREG SHIMIZU
DATE: 04/17/2023

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT
SUBMITTAL DATE: 04/17/2023

SCALE: 1" = 20'
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CONTRACT No.: RTA/CN 0612-18

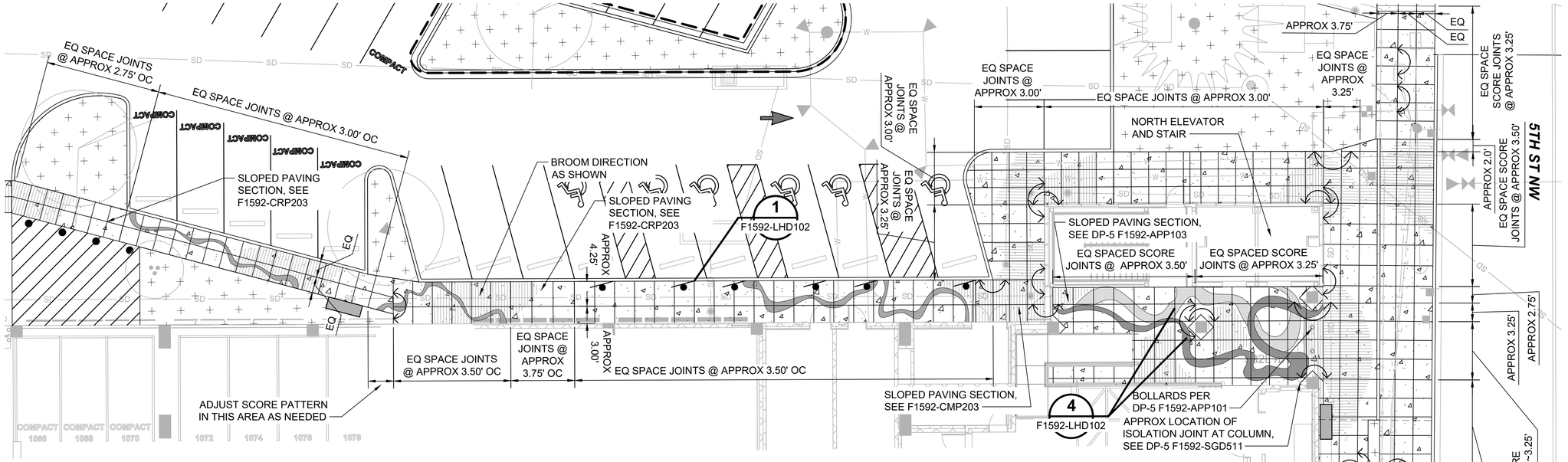
PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS

LANDSCAPE
HARDSCAPE PLAN

DRAWING No.: F1592-LHP104
FACILITY ID: F1592
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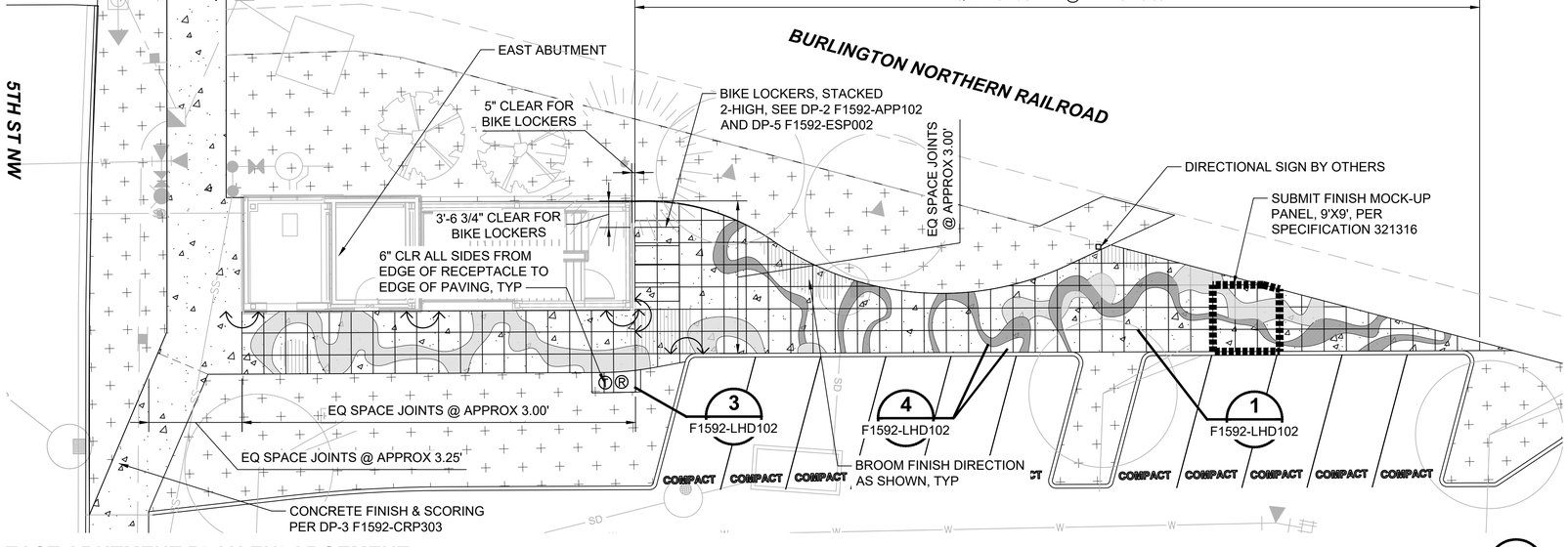
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xS317-F1592-TSP100
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xS317-F1592-APP10



NORTH GARAGE PLAN ENLARGEMENT

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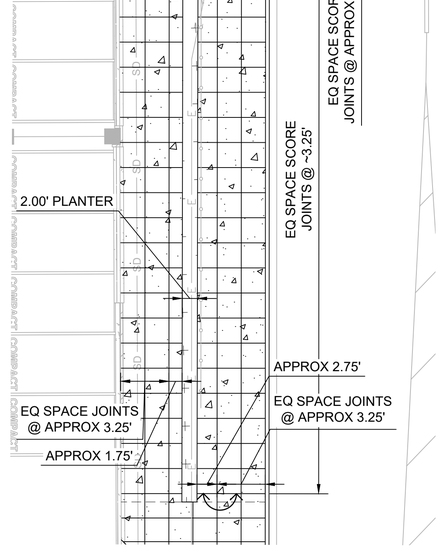
1
F1592-LHP103



EAST ABUTMENT PLAN ENLARGEMENT

SCALE: 1" = 10'

2
F1592-LHP103
F1592-LHP104



GENERAL NOTE:

1. SEE DRAWING F1592-LHN100 FOR HARDSCAPE ABBREVIATIONS, HARDSCAPE NOTES, AND HARDSCAPE LEGEND.
2. PROVIDE SHOP DRAWING FOR LAYOUT OF SPECIALTY PAVING FOR ENGINEER REVIEW AND APPROVAL PRIOR TO CONSTRUCTION, SEE SPECIFICATION 321316.

N

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SCALE IN FEET

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FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	04/17/2023	RD	JV	JV	FINAL AS-BUILT

DESIGNED BY: R. DOTSON
DRAWN BY: P. MAGINNITY
CHECKED BY: J. VONG
APPROVED BY: J. VONG

HBB LANDSCAPE ARCHITECTURE
HENSEL PHELPS Plan. Build. Manage.
kpff
SOUNDTRANSIT

LINE IS 1" AT FULL SCALE

SUBMITTED BY: SARA ROBERTS
DATE: 04/17/2023
REVIEWED BY: GREG SHIMIZU
DATE: 04/17/2023

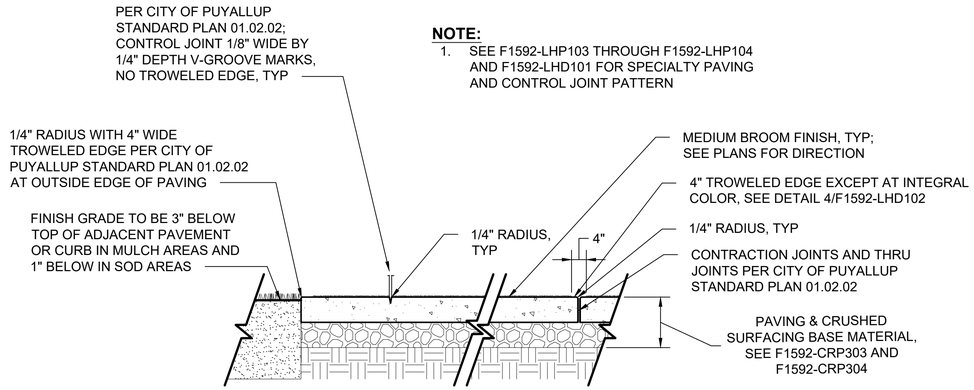
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CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 04/17/2023

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS

LANDSCAPE
HARDSCAPE DETAILS

DRAWING No.: F1592-LHD101
FACILITY ID: F1592
SHEET No.: 426
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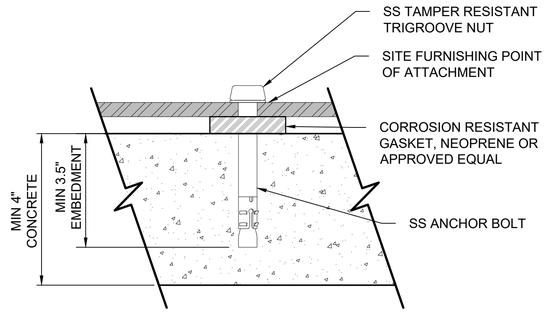
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NOTE:
1. SEE F1592-LHP103 THROUGH F1592-LHP104 AND F1592-LHD101 FOR SPECIALTY PAVING AND CONTROL JOINT PATTERN

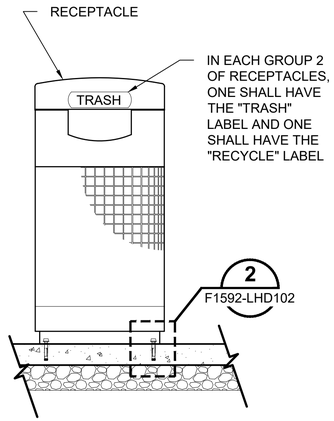
MEDIUM BROOM CONCRETE FINISH
SCALE: NTS

1
F1592-LHN100
F1592-LHP103
F1592-LHD101



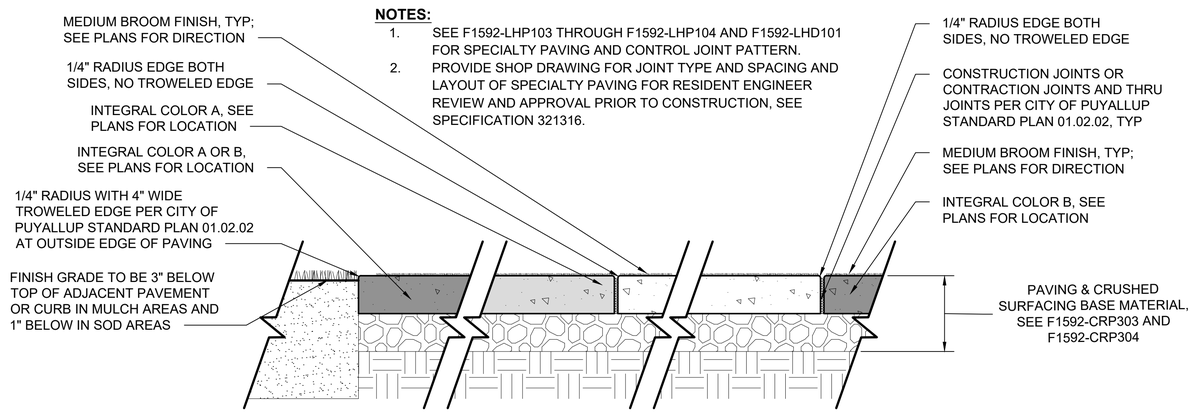
ANCHOR BOLT
SCALE: NTS

2
-



LITTER AND RECYCLE RECEPTACLE
SCALE: NTS

3
F1592-LHN100
F1592-LHD101



NOTES:
1. SEE F1592-LHP103 THROUGH F1592-LHP104 AND F1592-LHD101 FOR SPECIALTY PAVING AND CONTROL JOINT PATTERN.
2. PROVIDE SHOP DRAWING FOR JOINT TYPE AND SPACING AND LAYOUT OF SPECIALTY PAVING FOR RESIDENT ENGINEER REVIEW AND APPROVAL PRIOR TO CONSTRUCTION, SEE SPECIFICATION 321316.

SPECIALTY PAVING
SCALE: NTS

4
F1592-LHN100
F1592-LHD101

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	04/17/2023	RD	JV	JV	FINAL AS-BUILT

DESIGNED BY: R. DOTSON
DRAWN BY: P. MAGINNITY
CHECKED BY: J. VONG
APPROVED BY: J. VONG

HBB LANDSCAPE ARCHITECTURE
HENSEL PHELPS Plan. Build. Manage.
kpff
SOUNDTRANSIT

SUBMITTED BY: SARA ROBERTS
DATE: 04/17/2023
REVIEWED BY: GREG SHIMIZU
DATE: 04/17/2023

LINE IS 1" AT FULL SCALE

SCALE: NTS
FILENAME: S317-F1592-LHD102
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 04/17/2023

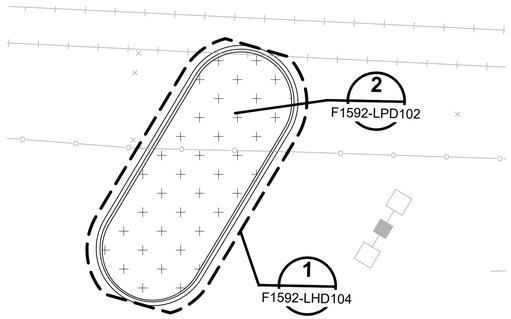
PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS

LANDSCAPE
HARDSCAPE DETAILS

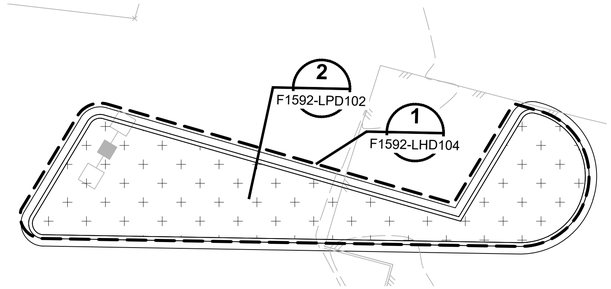
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FACILITY ID: F1592
SHEET No.: 427
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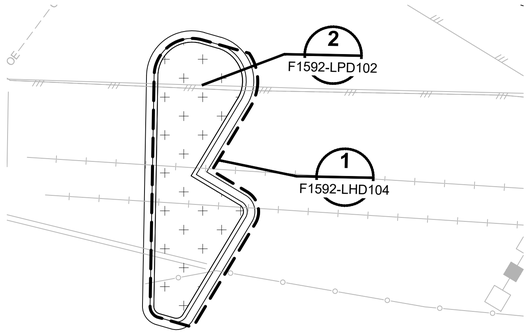
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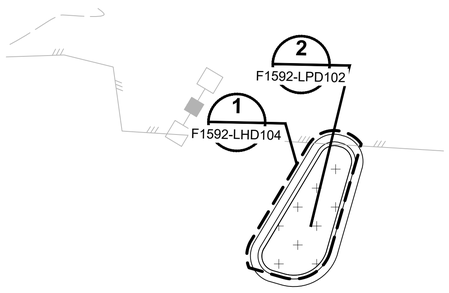
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SCALE: 1" = 10'
F1592-LHP102
F1592-LHP103



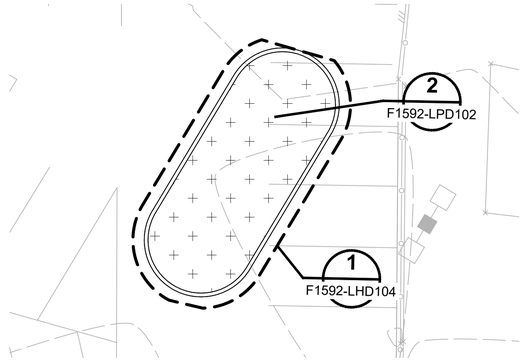
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SCALE: 1" = 10'
F1592-LHP103



PARKING LOT STRUCTURAL SOIL ENGLARGEMENT 3
SCALE: 1" = 10'
F1592-LHP102



PARKING LOT STRUCTURAL SOIL ENLARGEMENT 4
SCALE: 1" = 10'
F1592-LHP102



PARKING LOT STRUCTURAL SOIL ENLARGEMENT 5
SCALE: 1" = 10'
F1592-LHP103

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FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	04/17/2023	RD	JV	JV	FINAL AS-BUILT

DESIGNED BY: R. DOTSON
DRAWN BY: P. MAGINNITY
CHECKED BY: J. VONG
APPROVED BY: J. VONG

HBB LANDSCAPE ARCHITECTURE
HENSEL PHELPS Plan. Build. Manage.
kpff

SUBMITTED BY: SARA ROBERTS
DATE: 04/17/2023
REVIEWED BY: GREG SHIMIZU
DATE: 04/17/2023

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT

SCALE: 1" = 10'
FILENAME: S317-F1592-LHD103
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 04/17/2023

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS

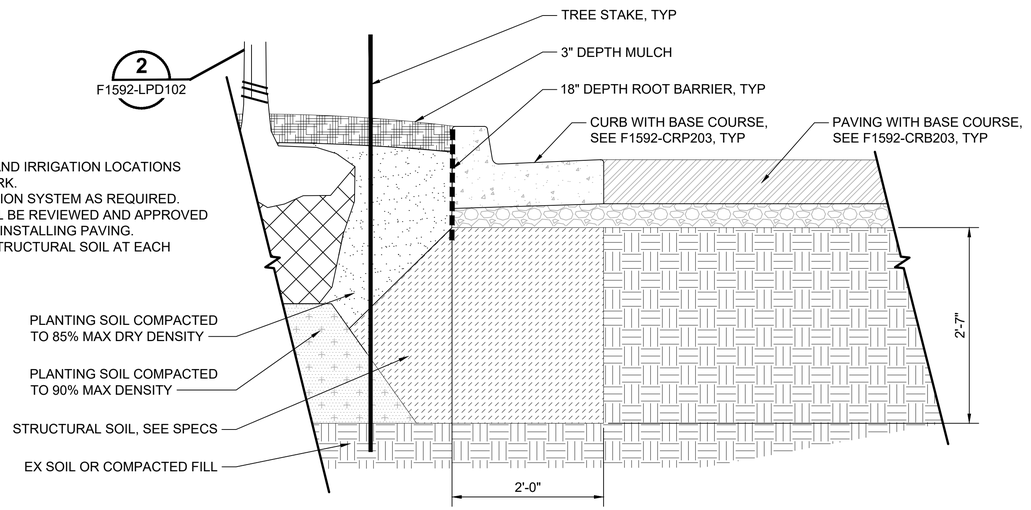
LANDSCAPE
HARDSCAPE DETAILS

DRAWING No.: **F1592-LHD103**
FACILITY ID: F1592
SHEET No.: 428
REV: 0

Xrefs:
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xGB-TB-Views_20-Scale
xS317-F1592-LHD00

NOTES:

1. FIELD VERIFY UNDERGROUND UTILITY AND IRRIGATION LOCATIONS AND DEPTHS PRIOR TO BEGINNING WORK.
2. COORDINATE W/ UTILITIES AND IRRIGATION SYSTEM AS REQUIRED.
3. STRUCTURAL SOIL INSTALLATION SHALL BE REVIEWED AND APPROVED BY THE RESIDENT ENGINEER PRIOR TO INSTALLING PAVING.
4. SEE F1592-LHD103 FOR LOCATION OF STRUCTURAL SOIL AT EACH PARKING LOT ISLAND.



PARKING LOT STRUCTURAL SOIL

SCALE: NTS

1
F1592-LHN100
F1592-LHD103

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	04/17/2023	RD	JV	JV	FINAL AS-BUILT

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APPROVED BY: J. VONG

HBB LANDSCAPE ARCHITECTURE
HENSEL PHELPS Plan. Build. Manage.
kpff
LINE IS 1" AT FULL SCALE
SOUNDTRANSIT

SUBMITTED BY: SARA ROBERTS
DATE: 04/17/2023
REVIEWED BY: GREG SHIMIZU
DATE: 04/17/2023

SCALE: NTS
FILENAME: S317-F1592-LHD104
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 04/17/2023

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS

LANDSCAPE
HARDSCAPE DETAILS

DRAWING No.: F1592-LHD104
FACILITY ID: F1592
SHEET No.: 429
REV: 0

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Xrefs:
xGB-TB22x34

PLANTING LEGEND

3	#3 LANDSCAPE BOULDER	30" - 42" TALL AND WIDE; SEE SPEC 329000
5	#5 LANDSCAPE BOULDER	46" - 60" TALL AND WIDE; SEE SPEC 329000
----	ROOT BARRIER	8' LENGTH UNLESS OTHERWISE NOTED; CENTERED AT TREE LOCATION; 18" DEPTH @ PARKING LOT ISLANDS AND ADJ TO STRUCTURAL SOIL. 24" DEPTH AT ALL OTHER PAVING EDGES PER CITY OF PUYALLUP STANDARD DETAIL 01.02.03

PLANTING ABBREVIATIONS

#/NUM	NUMBER	GAL	GALLON
Ø	DIAMETER	HT	HEIGHT
%	PERCENT	MAX	MAXIMUM
&	AND	MFR	MANUFACTURER
@	AT	MIN	MINIMUM
ADJ	ADJACENT	NTS	NOT TO SCALE
B&B	BALLED & BURLAPPED	OC	ON CENTER
CAL	CALIPER	QTY	QUANTITY
CL	CENTERLINE	SPEC(S)	SPECIFICATION(S)
CONT	CONTAINER	ST	SOUND TRANSIT
DIA	DIAMETER	STA	STATION
DWG(S)	DRAWING(S)	SYM	SYMBOL
ENGR	ENGINEER	TYP	TYPICAL
EX	EXISTING	VAR	VARIETY

PLANTING NOTES

1. BRING ANY DISCREPANCIES WITH THE DWGS AND/OR SPECS & SITE CONDITIONS TO THE ATTENTION OF RESIDENT ENGINEER PRIOR TO PROCEEDING WITH CONSTRUCTION.
2. LOCATE UTILITIES PRIOR TO BEGINNING CONSTRUCTION.
3. RESIDENT ENGINEER MUST INSPECT PLANT MATERIALS AND STAKING LOCATIONS PRIOR TO INSTALLATION TO ASSURE THE APPROPRIATE LAYOUT AND PLANT CHARACTERISTICS ARE MET.
4. COORDINATE PLANT MATERIAL LOCATIONS WITH DRIP TUBING LOCATIONS TO AVOID ANY CONFLICTS.
5. ALL EXISTING PLANTING OR LAWN AREAS DISTURBED BY CONSTRUCTION NOT SHOWN ON PLANTING PLANS SHALL BE RESTORED TO MEET AND MATCH EXISTING CONDITIONS.
6. TREE LOCATIONS SHOWN ON PLANTING PLANS ARE APPROXIMATE; IF FIELD ADJUSTMENTS ARE NECESSARY THE FOLLOWING MIN SETBACKS FOR CENTERLINE OF TREE TRUNKS TO THE FOLLOWING APPLY:
   - A. STREET LIGHTS 10'
   - B. DRIVEWAYS 7.5'
   - C. INTERSECTIONS 30'
   - D. PARKING LOT LIGHTS 10'
   - E. FRONT OF STREET SIGNS 30'
   - F. BACK OF STREET SIGNS 10'
   - G. FIRE HYDRANTS 10'
   - H. UNDERGROUND WATER, SANITARY SEWER AND STORM SEWER LINES 10'
   - I. UNDERGROUND GAS OR POWER LINES 3'
   - J. UTILITY/POWER POLES 10'
   - K. UNDERGROUND FIBER CABLE 2'
   - L. BACK OF CURB OR ADJ WHEELSTOP 2.5'
7. LIMIT OF PLANTING EQUALS LIMIT OF SITE DISTURBANCE INCLUDING CLEAR & GRUB, GRADING, & STAGING AREAS. PLANTING AREAS INCLUDE FULL SOIL PREPARATION AND IRRIGATION UNLESS NOTED OTHERWISE ON PLANS. RESTORE ALL AREAS DISTURBED DUE TO CONSTRUCTION ACTIVITIES TO PRE CONSTRUCTION CONDITIONS. MEET & MATCH EX CONDITIONS WITH A SMOOTH TRANSITION.

FINAL AS-BUILT

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0	04/17/2023	RD	JV	JV	FINAL AS-BUILT

DESIGNED BY: R. DOTSON
DRAWN BY: P. MAGINNITY
CHECKED BY: J. VONG
APPROVED BY: J. VONG

HBB LANDSCAPE ARCHITECTURE
HENSEL PHELPS Plan. Build. Manage.
kpff
LINE IS 1" AT FULL SCALE
SOUNDTRANSIT

SUBMITTED BY: SARA ROBERTS
DATE: 04/17/2023
REVIEWED BY: GREG SHIMIZU
DATE: 04/17/2023

SCALE: NTS
FILENAME: S317-F1592-LPN100
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 04/17/2023

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS

LANDSCAPE
PLANTING NOTES, LEGEND, AND ABBREVIATIONS

DRAWING No.: F1592-LPN100
FACILITY ID: F1592
SHEET No.: 430
REV: 0

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Xrefs:
xGB-TB22x34

PLANTING SCHEDULE

SYM	QTY	SCIENTIFIC/COMMON NAME	SIZE/REMARKS
		TREES	
	5	ACER CIRCINATUM/ VINE MAPLE	6'-8' HT; B&B; FULL, WELL ROOTED & WELL BRANCHED; MULTI-TRUNKED WITH MIN 3 MAIN TRUNKS; SYMMETRICAL BRANCHING HABIT
	3	AMELANCHIER LAEVIS 'SNOWCLOUD' / SNOWCLOUD SERVICEBERRY	2" CAL; B&B; FULL, WELL ROOTED & WELL BRANCHED; MIN 6' BRANCHING HEIGHT; SYMMETRICAL BRANCHING HABIT
	4	CALOCEDRUS DECURRENS/ INCENSE CEDAR	6'-8' HT; B&B; FULL, WELL ROOTED AND WELL BRANCHED; SYMMETRICAL BRANCHING HABIT; NOT SHEARED
	1	CORNUS KOUSA/ KOUSA DOGWOOD	2" CAL; B&B; FULL, WELL ROOTED & WELL BRANCHED; MIN 6' BRANCHING HEIGHT; SYMMETRICAL BRANCHING HABIT
	2	CORNUS KOUSA X NUTTALLII 'VENUS' / VENUS DOGWOOD	2" CAL; B&B; FULL WELL ROOTED & WELL BRANCHED; MIN 6' BRANCHING HEIGHT; SYMMETRICAL BRANCHING HABIT
	8	GINKGO BILOBA 'PRINCETON SENTRY'/ PRINCETON SENTRY GINKGO	1.75" CAL; B&B; FULL WELL ROOTED & WELL BRANCHED; MIN 6' BRANCHING HEIGHT; SYMMETRICAL BRANCHING HABIT
	13	ULMUS AMERICANA 'PRINCETON' / AMERICAN ELM*	2" CAL; MIN 6' BRANCH HT; B&B; FULL WELL, ROOTED AND WELL BRANCHED; SYMMETRICAL BRANCHING HABIT
	1	THUJA PLICATA / WESTERN RED CEDAR	6'-8' HT; B&B; FULL, WELL ROOTED AND WELL BRANCHED; SYMMETRICAL BRANCHING HABIT; NOT SHEARED
	6	TILIA CORDATA 'GREENSPIRE' / GREENSPIRE LINDEN	2" CAL; B&B; FULL, WELL ROOTED & WELL BRANCHED; MIN 6' BRANCHING HEIGHT; SYMMETRICAL BRANCHING HABIT
	24	TILIA TOMENTOSA 'STERLING' / STERLING SILVER LINDEN*	2" CAL; B&B; FULL, WELL ROOTED & WELL BRANCHED; MIN 6' BRANCHING HEIGHT; SYMMETRICAL BRANCHING HABIT
	2	ZELKOVA SERRATE 'CITY SPRITE' / CITY SPRITE ZELKOVA*	2" CAL; B&B; FULL, WELL ROOTED & WELL BRANCHED; MIN 6' BRANCHING HEIGHT; SYMMETRICAL BRANCHING HABIT

SYM	QTY	SCIENTIFIC/COMMON NAME	SIZE/REMARKS
		SHRUBS/GROUNDCOVERS	
	430	ARCTOSTAPHYLOS UVA-URSI / KINNIKINNICK	1 GAL CONT; FULL & WELL ROOTED; MIN 12" OFFSET FROM BACK OF CURB OR PAVING
	61	CAREX OBNUTA/ SLOUGH SEDGE	1 GAL CONT; FULL & WELL ROOTED
	64	CAREX TESTACEA/ NEW ZEALAND HAIR SEDGE	1 GAL CONT; FULL & WELL ROOTED
	39	COREOPSIS VERTICILLATA 'MOONBEAM'/ MOONBEAM TICKSEED	1 GAL CONT; FULL & WELL ROOTED
	21	CORNUS SANGUINEA 'CATO' / ARCTIC SUN REDTWIG DOGWOOD	5 GAL CONT; FULL, WELL BRANCHED & WELL ROOTED
	22	CORNUS STOLONIFERA / KELSEYI DOGWOOD	1 GAL CONT; FULL, WELL BRANCHED & WELL ROOTED
	90	ECHINACEA PURPUREA / PURPLE CONEFLOWER	1 GAL CONT; FULL & WELL ROOTED
	191	EPIMEDIUM X PERRALCHICUM / HYBRID EPIMEDIUM	1 GAL CONT; FULL, WELL BRANCHED & WELL ROOTED; 12" OFFSET FROM EDGE OF PAVING
	192	EUONYMUS JAPONICUS 'MICROPHYLLUS' / BOX-LEAF EUONYMUS	1 GAL CONT; FULL, WELL BRANCHED & WELL ROOTED
	39	GAULTHERIA SHALLON/ SALAL	1 GAL CONT; FULL, WELL BRANCHED & WELL ROOTED
	78	HEMEROCALLIS 'STELLA DE ORO' / STELLA DE ORO DAYLILY	1 GAL CONT; FULL & WELL ROOTED; 12" OFFSET FROM EDGE OF CURB OR PAVING
	264	LIRIOPE MUSCARI 'BIG BLUE'/ BIG BLUE LILYTURF	1 GAL CONT; FULL & WELL ROOTED
	166	MAHONIA NERVOSA / LOW OREGON GRAPE	1 GAL CONT; FULL, WELL BRANCHED & WELL ROOTED; MIN 2'-6" OFFSET FROM BACK OF CURB OR PAVING; 18" OC SPACING
NO SYMBOL; SEE PLANS	2798	NARCISSUS 'GIGANTIC STAR'/ LARGE CUPPED DAFFODIL	3/4" - 1" DIA BULB; TRIANGULAR SPACING @ 3" - 6" OC, 6" CLEAR OF THE ROOTBALL OF OTHER SHRUBS AND GROUNDCOVERS; MIN 6" OFFSET FROM EDGE OF CURB OR PAVING
	83	PENNESETUM ALOPECUROIDES / DWARF FOUNTAIN GRASS	2 GAL CONT; FULL & WELL ROOTED
	15	POLYSTICHUM MUNITUM/ SWORD FERN	1 GAL CONT; FULL & WELL ROOTED
	27	GERANIUM MACRORRHIZUM / GERANIUM	1 GAL CONT; FULL & WELL ROOTED

SYM	QTY	SCIENTIFIC/COMMON NAME	SIZE/REMARKS
		SHRUBS/GROUNDCOVERS	
	694	PRUNUS LAUROCERASUS 'MOUNT VERNON' / MOUNT VERNON LAUREL	2 GAL CONT; FULL, WELL BRANCHED & WELL ROOTED; MIN 36" OFFSET FROM EDGE OF CURB OR PAVING
	357	RHUS AROMATICA 'GRO-LOW'/ GRO LOW SUMAC	1 GAL CONT; FULL, WELL BRANCHED & WELL ROOTED; MIN 36" OFFSET FROM EDGE OF CURB OR PAVING
	121	ROSMARINUS OFFICINALLIS / ROSEMARY	2 GAL CONT; FULL, WELL BRANCHED & WELL ROOTED
	188	RUDBECKIA FULGIDA / BLACK EYED SUSAN	1 GAL CONT; FULL & WELL ROOTED
	950	SEDUM 'ANGELINA' / ANGELINA SPREADING STONECROP	1 GAL CONT; FULL & WELL ROOTED; 12" OFFSET FROM EDGE OF PAVING
	187	SPIRAEA BETULIFOLIA 'TOR'/ BIRCHLEAF SPIREA	2 GAL CONT; FULL, WELL BRANCHED & WELL ROOTED
	80	VACCINIUM OVATUM/ EVERGREEN HUCKLEBERRY	5 GAL CONT; FULL, WELL BRANCHED & WELL ROOTED
	38	VANCOUVERIA HEXANDRA/ INSIDE-OUT FLOWER	3.5" POT; FULL & WELL ROOTED
		RESTORATION	
		SOD	EXISTING LAWN AREAS TO BE RESTORED WITH SOD; SEE DETAIL 1/F1592-LPD101
		MULCH	EXISTING PLANTED AREAS TO BE RESTORED WITH 3" MULCH DEPTH; SEE DETAIL 1/F1592-LPD101

NOTES

* ANY PLANT SUBSTITUTION REQUESTS FOR THESE TREES MUST HAVE CITY OF PUYALLUP APPROVAL.

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	04/17/2023	RD	JV	JV	FINAL AS-BUILT

DESIGNED BY: R. DOTSON
DRAWN BY: P. MAGINNITY
CHECKED BY: J. VONG
APPROVED BY: J. VONG

HBB LANDSCAPE ARCHITECTURE
SUBMITTED BY: SARA ROBERTS

HENSEL PHELPS Plan. Build. Manage. kpff
DATE: 04/17/2023
REVIEWED BY: GREG SHIMIZU

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT
DATE: 04/17/2023

SCALE: NTS
FILENAME: S317-F1592-LPS100
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 04/17/2023

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
LANDSCAPE
PLANTING SCHEDULE

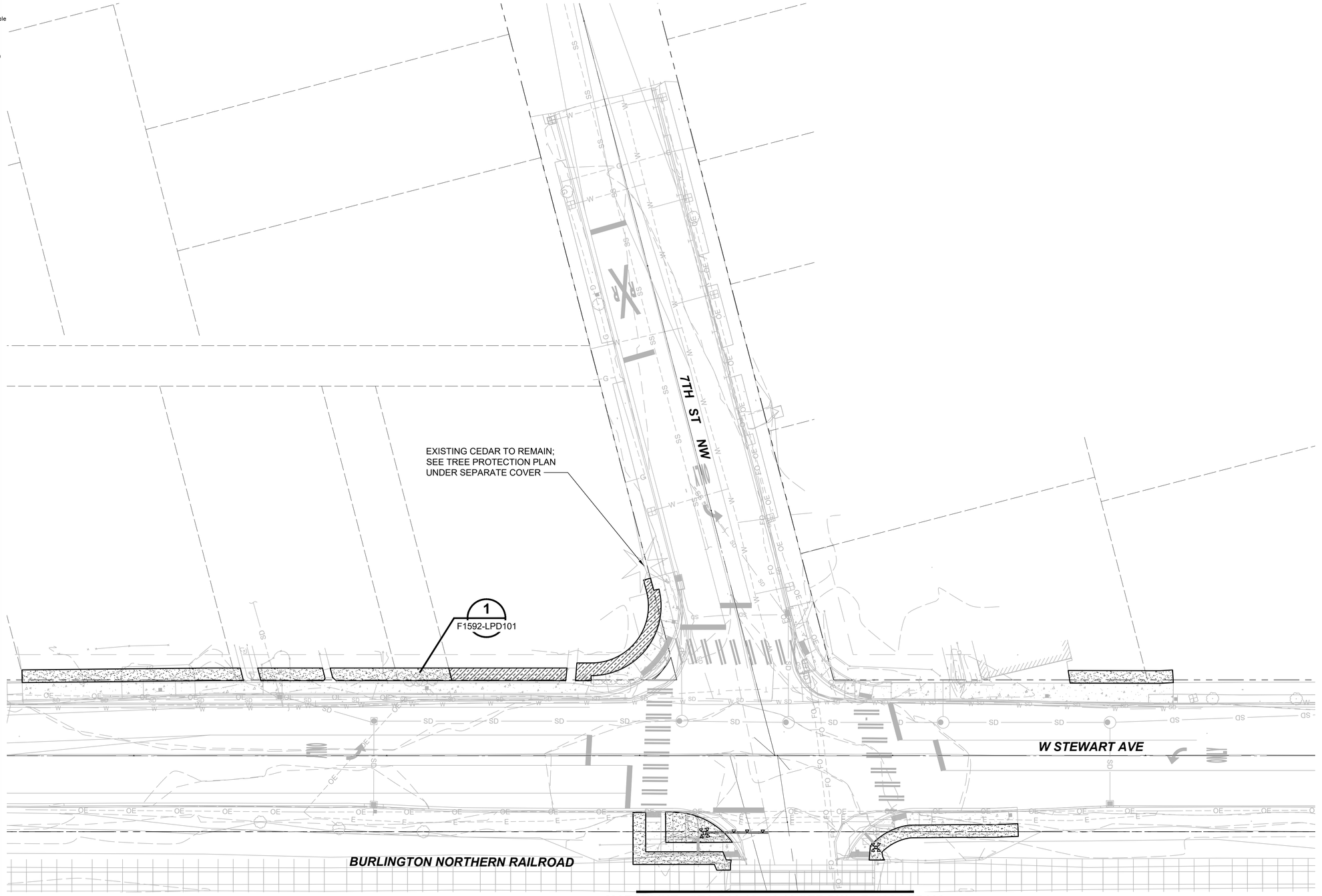
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xS317-F1592-LHP100
xS317-F1592-CGP100
xS317-F1592-CMP100
xS317-F1592-VRX100
dS317-F1592-CAP100

GENERAL NOTES:

1. SEE DRAWING F1592-LPN100 FOR PLANTING ABBREVIATIONS, PLANTING NOTES, AND PLANTING LEGEND.
2. SEE DRAWING F1592-LPS100 FOR PLANTING SCHEDULE.



MATCHLINE: STA R03 12+72.10 SEE DWG F1592-LPP102

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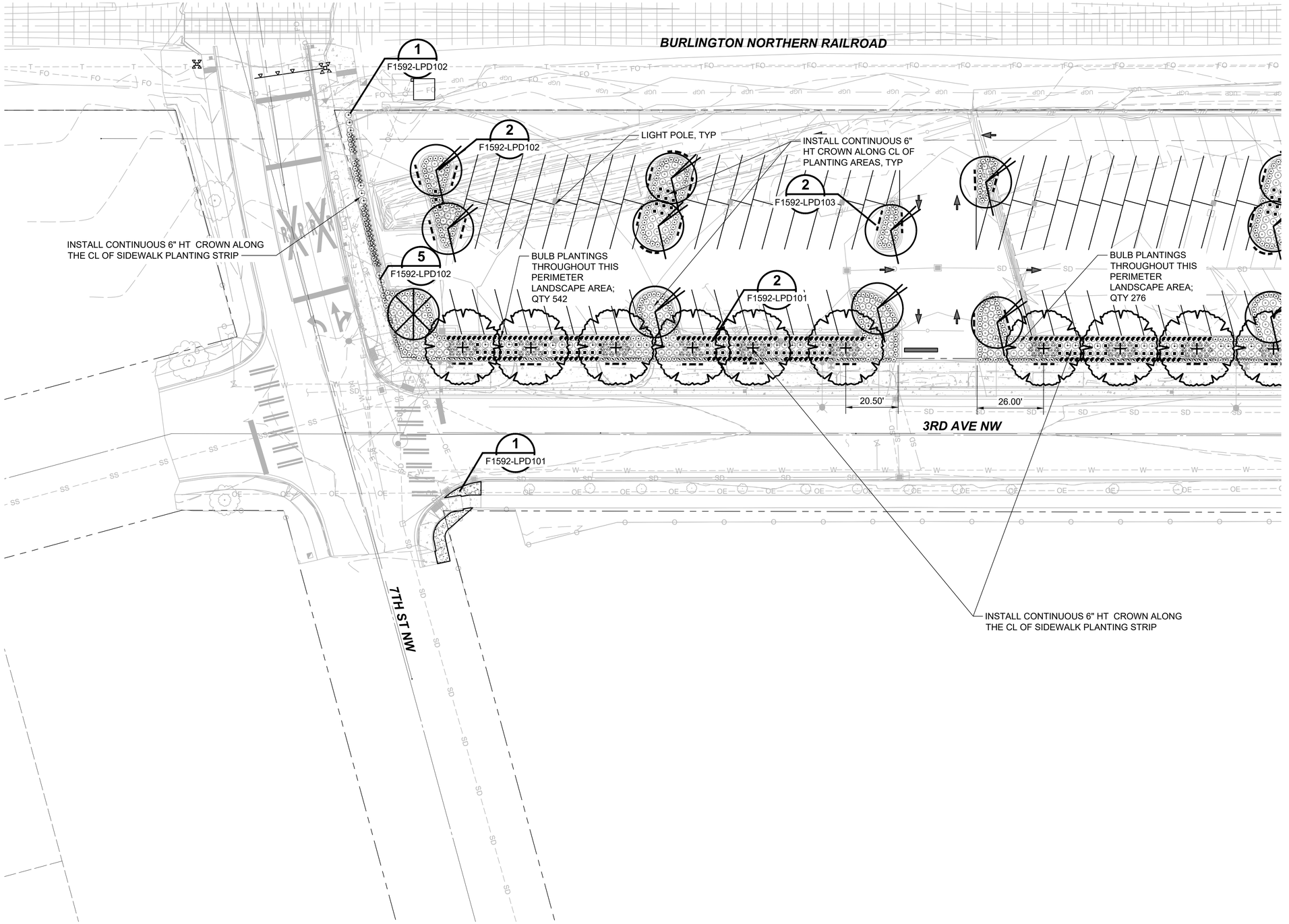
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CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 04/17/2023

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS

LANDSCAPE
PLANTING PLAN

DRAWING No.: F1592-LPP101
FACILITY ID: F1592
SHEET No.: 432
REV: 0

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xS317-F1592-VRX100
xS317-F1592-CLP100
dS317-F1592-CAP100



GENERAL NOTES:

1. SEE DRAWING F1592-LPN100 FOR PLANTING ABBREVIATIONS, PLANTING NOTES, AND PLANTING LEGEND.
2. SEE DRAWING F1592-LPS100 FOR PLANTING SCHEDULE.

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SCALE IN FEET

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REVIEWED BY: GREG SHIMIZU
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LINE IS 1" AT FULL SCALE

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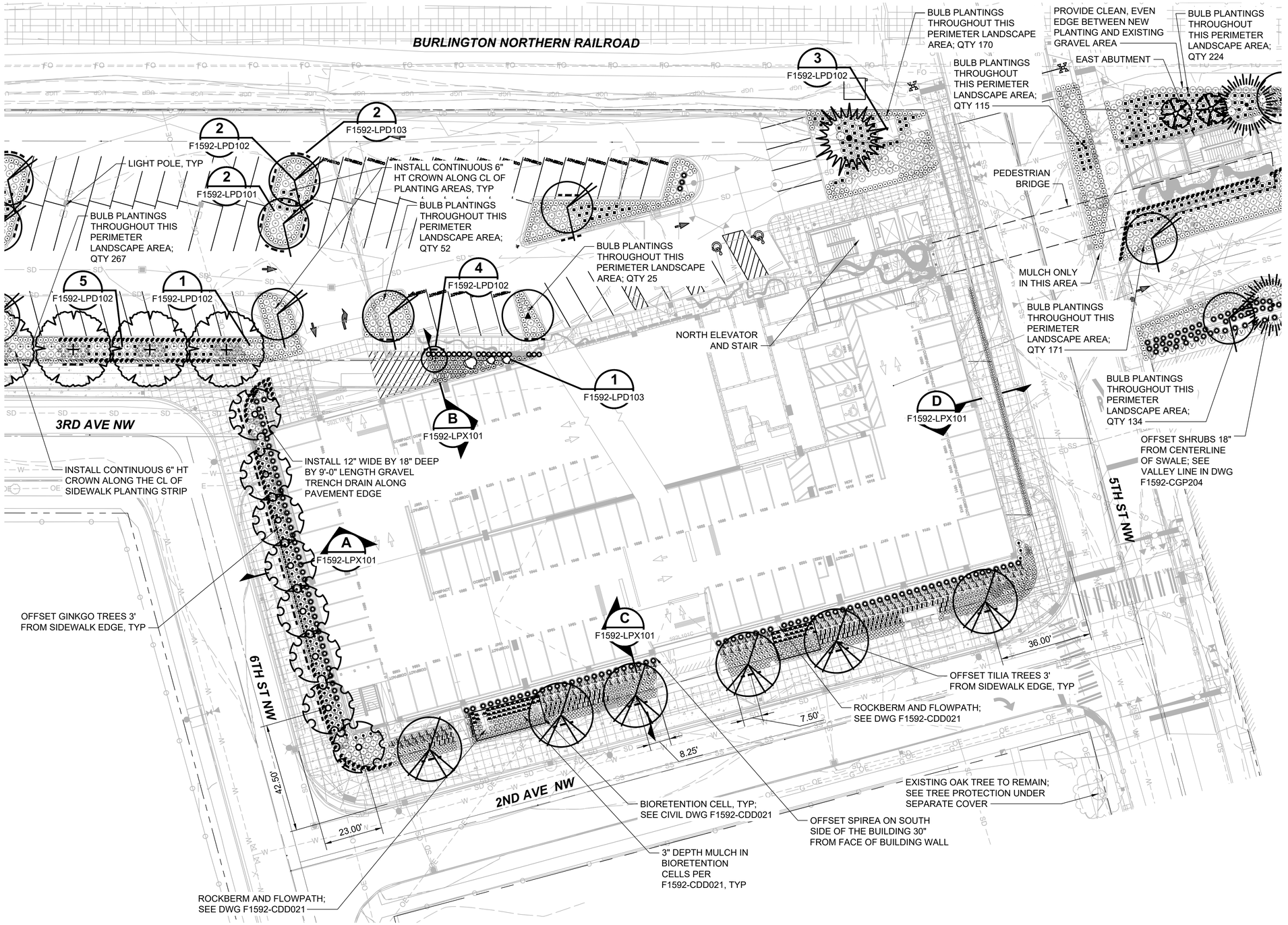
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CONTRACT No.: RTA/CN 0612-18

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS

LANDSCAPE PLANTING PLAN

DRAWING No.: F1592-LPP102
FACILITY ID: F1592
SHEET No.: 433
REV: 0

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xS317-F1592-VRX100
dS317-F1592-CAP100
xS317-F1592-CLP100



GENERAL NOTES:

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2. SEE DRAWING F1592-LPS100 FOR PLANTING SCHEDULE.

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CHECKED BY: J. VONG
APPROVED BY: J. VONG

HBB LANDSCAPE ARCHITECTURE
HENSEL PHELPS Plan. Build. Manage.
kpff
SOUNDTRANSIT

SUBMITTED BY: SARA ROBERTS
DATE: 04/17/2023
REVIEWED BY: GREG SHIMIZU
DATE: 04/17/2023

LINE IS 1" AT FULL SCALE

SCALE: 1" = 20'
FILENAME: S317-F1592-LPP103
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 04/17/2023

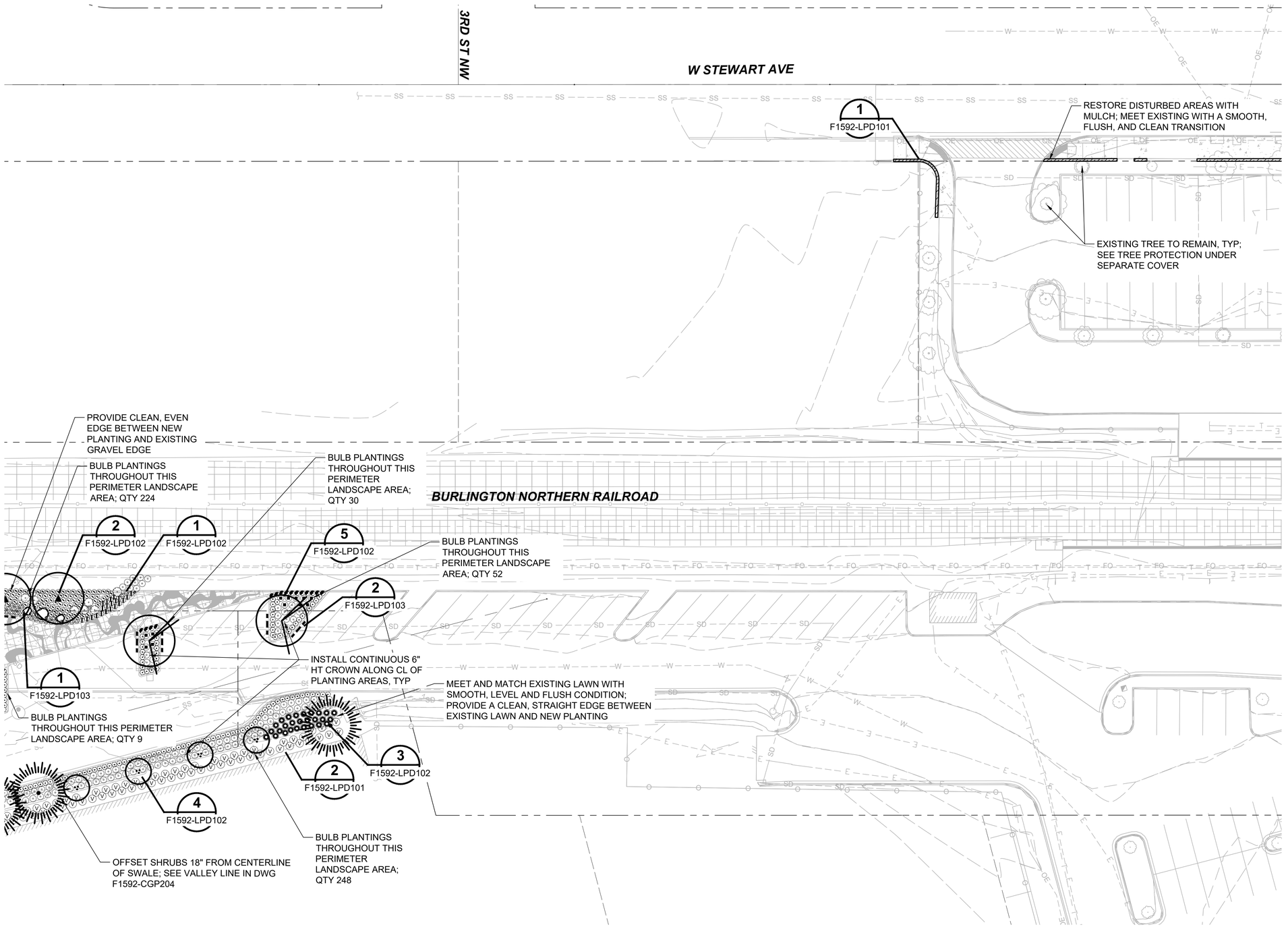
PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS

LANDSCAPE PLANTING PLAN

DRAWING No.: F1592-LPP103
FACILITY ID: F1592
SHEET No.: 434
REV: 0

05/04/23 | 8:54 AM | APARKER
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xS317-F1592-LPP10
xS317-F1592-CDP10
xS317-F1592-LHP10
xS317-F1592-CGP10
xS317-F1592-ELP10
xS317-F1592-VRX10
dS317-F1592-CAP10
xS317-F1592-UCP10



GENERAL NOTES:

1. SEE DRAWING F1592-LPN100 FOR PLANTING ABBREVIATIONS, PLANTING NOTES, AND PLANTING LEGEND.
2. SEE DRAWING F1592-LPS100 FOR PLANTING SCHEDULE.

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FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	04/17/2023	RD	JV	JV	FINAL AS-BUILT

DESIGNED BY: R. DOTSON
DRAWN BY: P. MAGINNITY
CHECKED BY: J. VONG
APPROVED BY: J. VONG

HBB LANDSCAPE ARCHITECTURE
SUBMITTED BY: SARA ROBERTS

HENSEL PHELPS Plan. Build. Manage.
kpff
DATE: 04/17/2023
REVIEWED BY: GREG SHIMIZU

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT
DATE: 04/17/2023

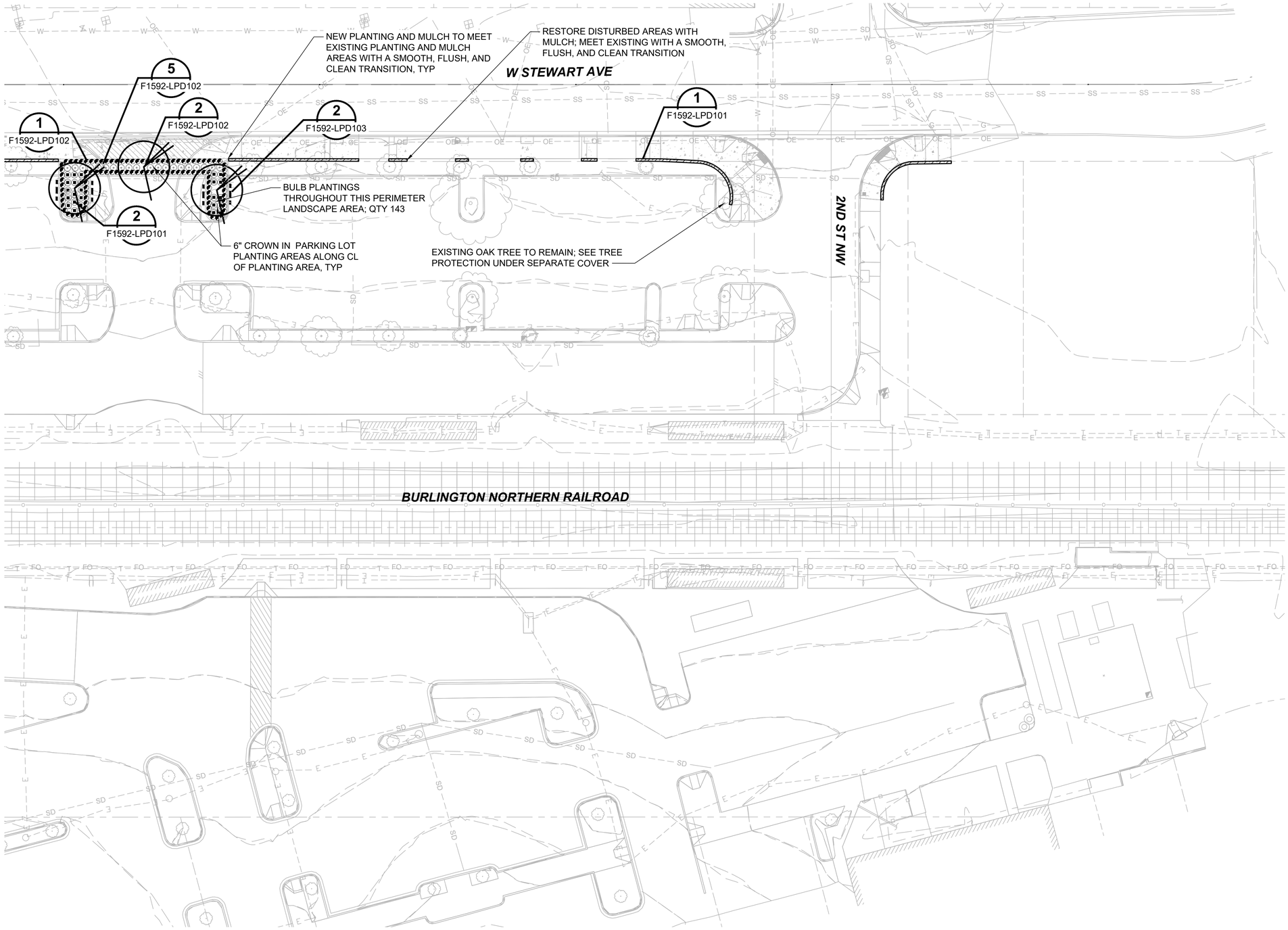
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FILENAME: S317-F1592-LPP104
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 04/17/2023

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS

LANDSCAPE PLANTING PLAN

DRAWING No.: F1592-LPP104
FACILITY ID: F1592
SHEET No.: 435
REV: 0

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xS317-F1592-LHP100
xS317-F1592-CGP100
xS317-F1592-VRX100
dS317-F1592-CAP100
xS317-F1592-CMP100



GENERAL NOTES:

1. SEE DRAWING F1592-LPN100 FOR PLANTING ABBREVIATIONS, PLANTING NOTES, AND PLANTING LEGEND.
2. SEE DRAWING F1592-LPS100 FOR PLANTING SCHEDULE.

N

20 10 0 20 40

SCALE IN FEET

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	04/17/2023	RD	JV	JV	FINAL AS-BUILT

DESIGNED BY: R. DOTSON
DRAWN BY: P. MAGINNITY
CHECKED BY: J. VONG
APPROVED BY: J. VONG

HBB LANDSCAPE ARCHITECTURE
SUBMITTED BY: SARA ROBERTS
DATE: 04/17/2023

HENSEL PHELPS Plan. Build. Manage.
kpff
REVIEWED BY: GREG SHIMIZU
DATE: 04/17/2023

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT
SCALE: 1" = 20'
FILENAME: S317-F1592-LPP105
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 04/17/2023

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS

LANDSCAPE
PLANTING PLAN

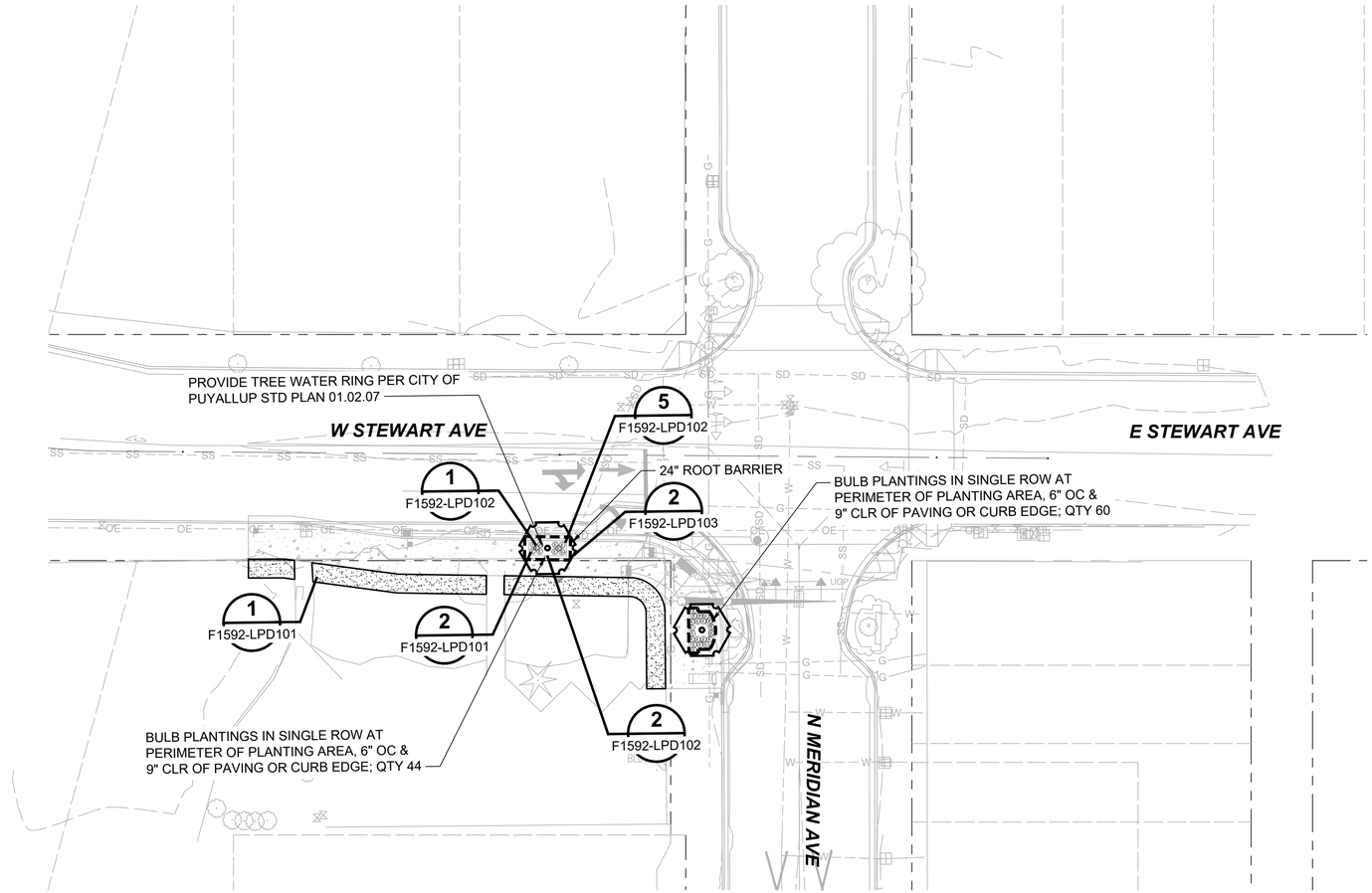
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FACILITY ID: F1592
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xS317-F1592-VRX100
xS317-F1592-TSP100
xS317-F1592-CMP100
xS317-F1592-CDP100
dS317-F1592-CAP100

GENERAL NOTES::

1. SEE DRAWING F1592-LPN100 FOR PLANTING ABBREVIATIONS, PLANTING NOTES, AND PLANTING LEGEND.
2. SEE DRAWING F1592-LPS100 FOR PLANTING SCHEDULE.



N

20 10 0 20 40

SCALE IN FEET

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	04/17/2023	RD	JV	JV	FINAL AS-BUILT

DESIGNED BY: R. DOTSON
DRAWN BY: P. MAGINNITY
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APPROVED BY: J. VONG

HBB LANDSCAPE ARCHITECTURE
SUBMITTED BY: SARA ROBERTS
DATE: 04/17/2023

HENSEL PHELPS Plan. Build. Manage.
kpff
REVIEWED BY: GREG SHIMIZU
DATE: 04/17/2023

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT
SUBMITTAL DATE: 04/17/2023

SCALE: 1" = 20'
FILENAME: S317-F1592-LPP106
CONTRACT No.: RTA/CN 0612-18

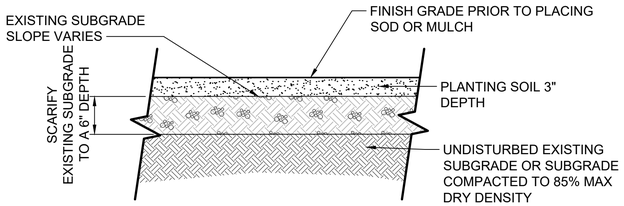
PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS

LANDSCAPE
PLANTING PLAN

DRAWING No.: F1592-LPP106
FACILITY ID: F1592
SHEET No.: 437
REV: 0

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Xrefs:
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xGB-TB-Views_20-Scale
xS317-F1592-LPD00



NOTES:

STEP 1. AFTER CONCRETE AND OTHER INFRASTRUCTURE WORK IS COMPLETED, ESTABLISH TOP OF SCARIFIED SUBGRADE 4" BELOW ADJACENT CURB OR PAVING IN SOD AREAS AND 6" BELOW ADJACENT CURB OR PAVING IN MULCH AREAS.

STEP 2. REMOVE ALL DEBRIS INCLUDING STUMPS, STICKS, ROOTS AND ROCKS OVER 1" AND DISPOSE OFF SITE, RESIDENT ENGINEER SHALL REVIEW AND APPROVE EXISTING SUBGRADE PRIOR TO INSTALLING PLANTING SOIL. VERIFY POSITIVE DRAINAGE.

STEP 3. INSTALL 3" COMPACTED DEPTH OF PLANTING SOIL. COMPACT TO 85% MAXIMUM DRY DENSITY. RESIDENT ENGINEER SHALL REVIEW AND APPROVE PLANTING SOIL INSTALLATION PRIOR TO INSTALLING SOD OR MULCH.

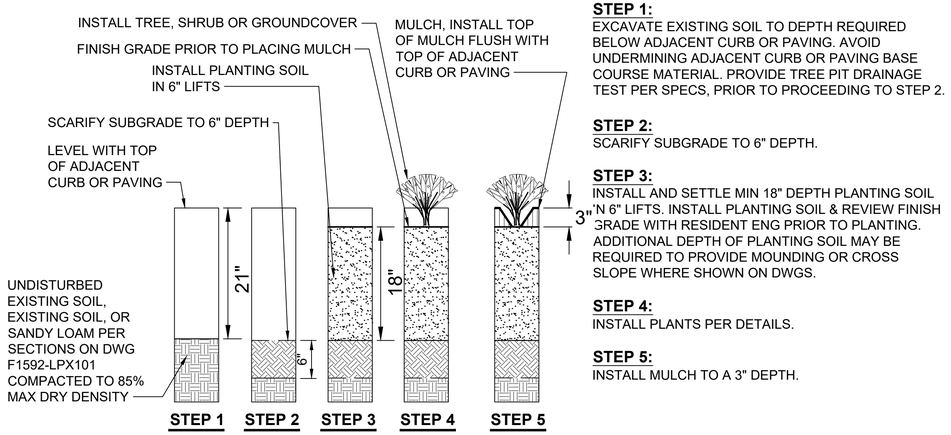
STEP 4. INSTALL SOD OR 3" DEPTH MULCH.

RESTORATION AREA SOIL PREPARATION

1

SCALE: NTS

F1592-LPP101
F1592-LPP102
F1592-LPP106



STEP 1:
EXCAVATE EXISTING SOIL TO DEPTH REQUIRED BELOW ADJACENT CURB OR PAVING. AVOID UNDERMINING ADJACENT CURB OR PAVING BASE COURSE MATERIAL. PROVIDE TREE PIT DRAINAGE TEST PER SPECS, PRIOR TO PROCEEDING TO STEP 2.

STEP 2:
SCARIFY SUBGRADE TO 6" DEPTH.

STEP 3:
INSTALL AND SETTLE MIN 18" DEPTH PLANTING SOIL IN 6" LIFTS. INSTALL PLANTING SOIL & REVIEW FINISH GRADE WITH RESIDENT ENG PRIOR TO PLANTING. ADDITIONAL DEPTH OF PLANTING SOIL MAY BE REQUIRED TO PROVIDE MOUNDING OR CROSS SLOPE WHERE SHOWN ON DWGS.

STEP 4:
INSTALL PLANTS PER DETAILS.

STEP 5:
INSTALL MULCH TO A 3" DEPTH.

NOTES:

1. ALL DIMENSIONS INDICATE COMPACTED DEPTHS. COMPOST AND PLANTING SOIL SHALL BE COMPACTED TO 85% MAX DRY DENSITY.
2. COORDINATE SOIL PREPARATION WITH UTILITY LOCATIONS TO AVOID ANY CONFLICT. PROTECT EXISTING UTILITIES AS NEEDED.
3. REFER TO DRAWING F1592-CGP203 FOR SOIL PREPARATION IN BIORENTENTION CELLS.

PLANTING AREA SOIL PREPARATION

2

SCALE: NTS

F1592-LPP102
F1592-LPP103
F1592-LPP104
F1592-LPP105
F1592-LPX101

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	04/17/2023	RD	JV	JV	FINAL AS-BUILT

DESIGNED BY: R. DOTSON
DRAWN BY: P. MAGINNITY
CHECKED BY: J. VONG
APPROVED BY: J. VONG

HBB LANDSCAPE ARCHITECTURE
SUBMITTED BY: SARA ROBERTS
DATE: 04/17/2023

HENSEL PHELPS Plan. Build. Manage. kpff
REVIEWED BY: GREG SHIMIZU
DATE: 04/17/2023

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT
SCALE: NTS
FILENAME: S317-F1592-LPD101
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 04/17/2023

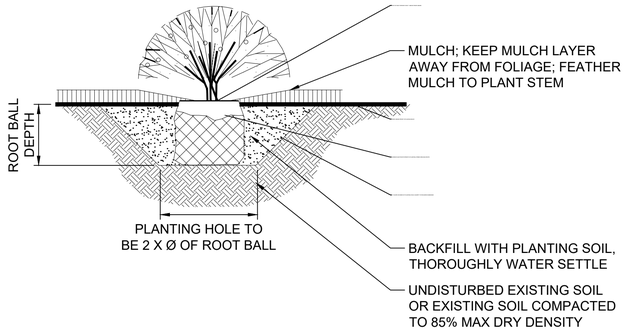
PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS

LANDSCAPE
PLANTING DETAILS

DRAWING No.: **F1592-LPD101**
FACILITY ID: F1592
SHEET No.: 438
REV: 0

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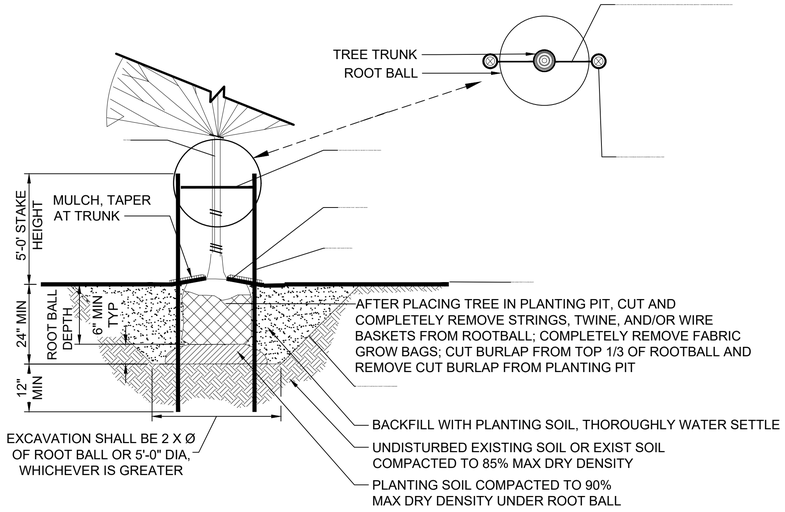


SHRUB AND GROUNDCOVER PLANTING

1

SCALE: NTS

F1592-LPP102
F1592-LPP103
F1592-LPP104
F1592-LPP105



NOTES:

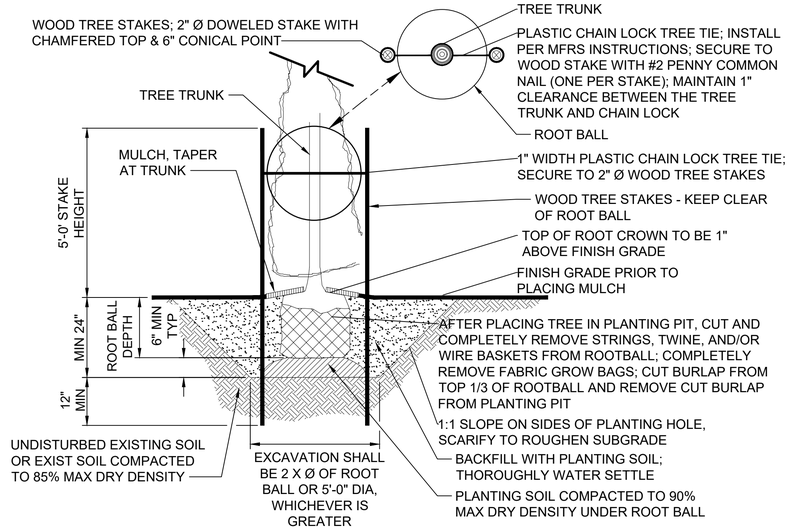
1. ROTATE TREES IN PLANTING AREAS ADJACENT TO VEHICULAR ZONES SO THAT THE DOMINANT BRANCHES ALIGN PARALLEL TO THE VEHICULAR ZONES.
2. ONE STAKE PER TREE ON WINDWARD SIDE; SECOND STAKE ON LEEWARD SIDE. WHEN TREE IS ADJACENT TO SIDEWALK PLACE TREE STAKES PARALLEL TO SIDEWALK.

DECIDUOUS TREE PLANTING

2

SCALE: NTS

F1592-LHD103
F1592-LHD104
F1592-LPP102
F1592-LPP103
F1592-LPP104
F1592-LPP105



NOTES:

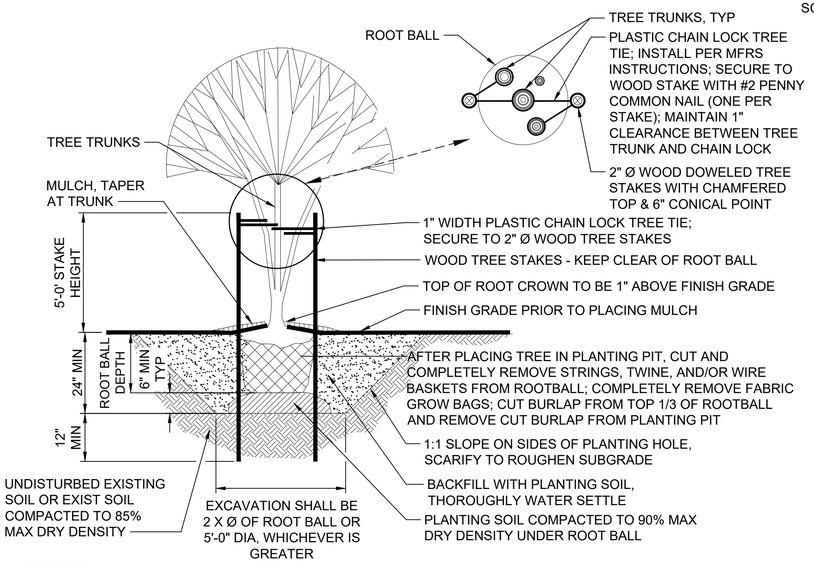
1. ONE STAKE PER TREE ON WINDWARD SIDE; SECOND STAKE ON LEEWARD SIDE.

CONIFER TREE PLANTING

3

SCALE: NTS

F1592-LPP103
F1592-LPP104



NOTES:

1. ONE STAKE PER TREE ON WINDWARD SIDE; SECOND STAKE ON LEEWARD SIDE. WHEN TREE IS ADJACENT TO SIDEWALK PLACE TREE STAKES PARALLEL TO SIDEWALK.

MULTI-TRUNK DECIDUOUS TREE PLANTING

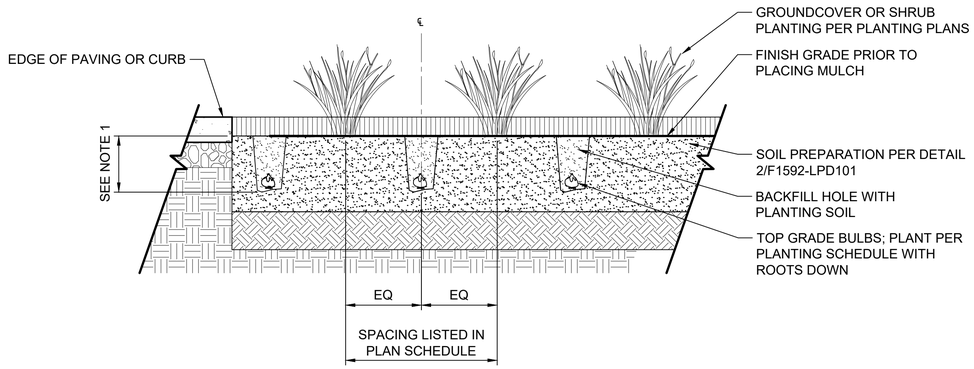
4

SCALE: NTS

F1592-LPP103
F1592-LPP104

NOTES:

1. DIG HOLE 2 TIMES DIAMETER OF THE BULB WITH THE TOP (POINTED END) UP ENSURING 2" PLANTING SOIL COVER OVER BULB.
2. BACKFILL WITH PLANTING SOIL, LIGHTLY COMPACT.



BULB PLANTING

5

SCALE: NTS

F1592-LPP102
F1592-LPP103
F1592-LPP104
F1592-LPP105

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	04/17/2023	RD	JV	JV	FINAL AS-BUILT

DESIGNED BY: R. DOTSON
DRAWN BY: P. MAGINNITY
CHECKED BY: J. VONG
APPROVED BY: J. VONG

HBB LANDSCAPE ARCHITECTURE
HENSEL PHELPS Plan. Build. Manage.
kpff
LINE IS 1" AT FULL SCALE
SOUNDTRANSIT

SUBMITTED BY: SARA ROBERTS
DATE: 04/17/2023
REVIEWED BY: GREG SHIMIZU
DATE: 04/17/2023

SCALE: NTS
FILENAME: S317-F1592-LPD102
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 04/17/2023

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS

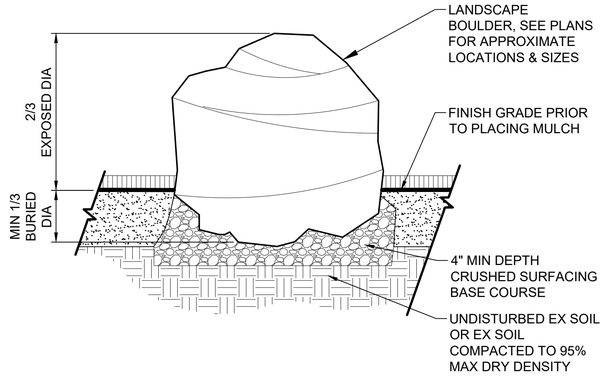
LANDSCAPE PLANTING DETAILS

DRAWING No.: F1592-LPD102
FACILITY ID: F1592
SHEET No.: 439
REV: 0

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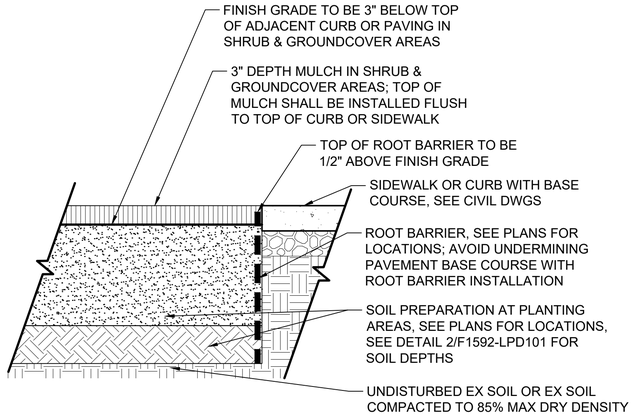
NOTES:
1. LOCATE LANDSCAPE BOULDERS PER RESIDENT ENG FIELD DIRECTIVE.
2. RESIDENT ENGR TO REVIEW CRUSHED SURFACING BASE COURSE PRIOR TO BOULDER PLACEMENT.

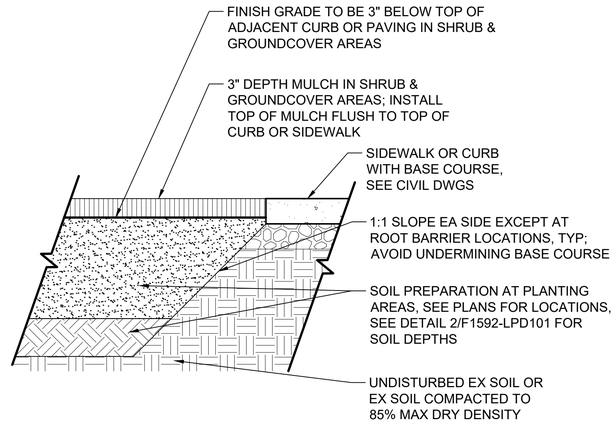


LANDSCAPE BOULDER

SCALE: NTS

1
F1592-LPP103
F1592-LPP104



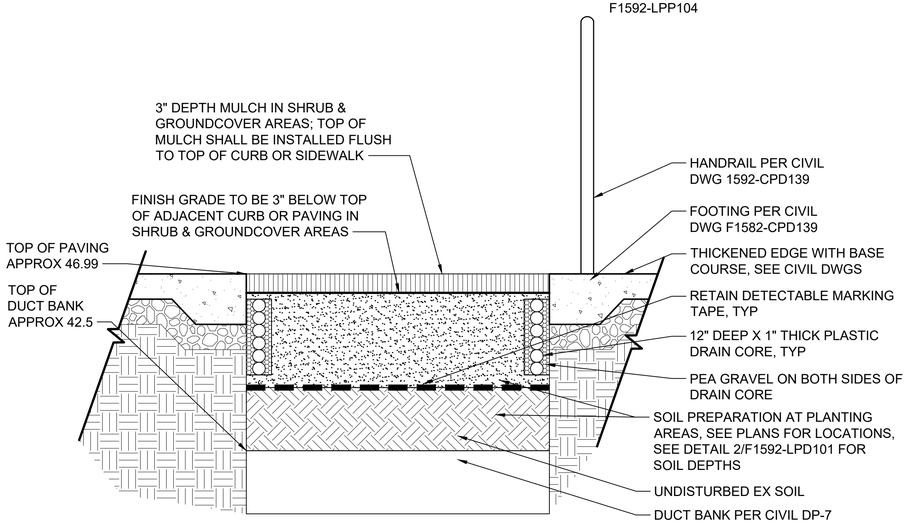


NOTES:
1. VERTICAL RIBS OF ROOT BARRIER SHALL FACE THE ROOTBALL OF THE TREE.
2. ROOT BARRIER TO BE 18" DEPTH AT PARKING LOT ISLANDS & ADJACENT TO STRUCTURAL SOIL AND 24" DEPTH AT ALL OTHER PAVING EDGES PER CITY OF PUYALLUP STANDARD DETAIL 01.02.03.

SOIL PREP AT PLANTING EDGE

SCALE: NTS

2
F1592-LPP102
F1592-LPP103
F1592-LPP104
F1592-LPP105



DRAINAGE BOARD IN PLANTER

SCALE: CUSTOM

3
F1592-LPP103

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FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	04/17/2023	RD	JV	JV	FINAL AS-BUILT

DESIGNED BY: R. DOTSON
DRAWN BY: P. MAGINNITY
CHECKED BY: J. VONG
APPROVED BY: J. VONG

HBB LANDSCAPE ARCHITECTURE
HENSEL PHELPS Plan. Build. Manage.
kpff
LINE IS 1" AT FULL SCALE
SOUNDTRANSIT

SUBMITTED BY: SARA ROBERTS
DATE: 04/17/2023
REVIEWED BY: GREG SHIMIZU
DATE: 04/17/2023

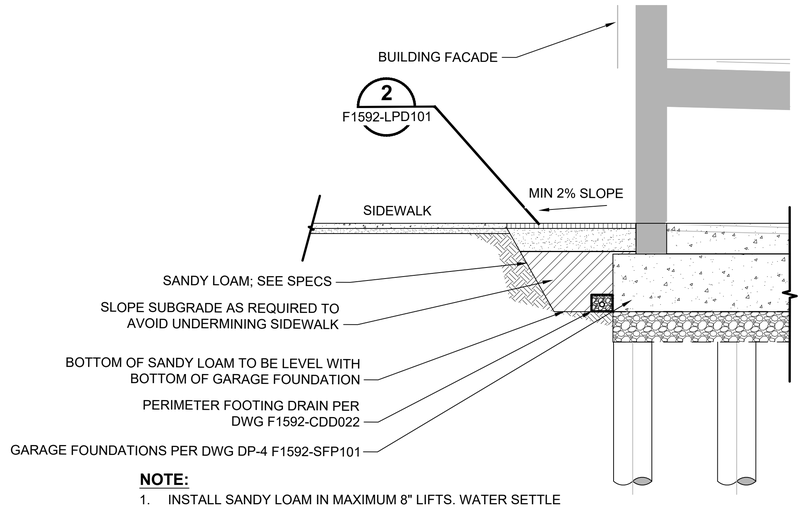
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FILENAME: S317-F1592-LPD103
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 04/17/2023

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS

LANDSCAPE
PLANTING DETAILS

DRAWING No.: **F1592-LPD103**
FACILITY ID: F1592
SHEET No.: 440
REV: 0

Xrefs:
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xGB-TB-Views_20-Scale
xS317-F1592-LPD00



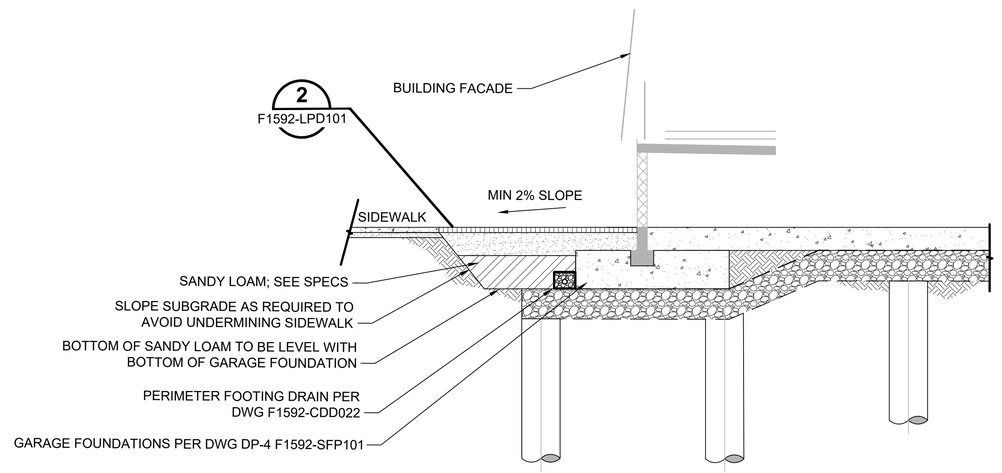
NOTE:

1. INSTALL SANDY LOAM IN MAXIMUM 8" LIFTS. WATER SETTLE AND COMPACT PRIOR TO INSTALLING ADDITIONAL SOIL.

WEST SECTION

SCALE: 1"=5'-0"

A F1592-LPP103



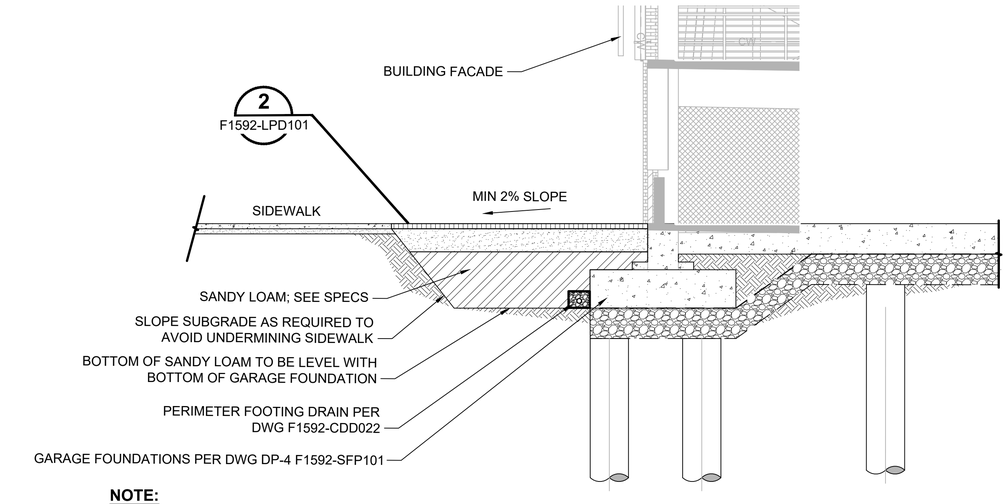
NOTE:

1. INSTALL SANDY LOAM IN MAXIMUM 8" LIFTS. WATER SETTLE AND COMPACT PRIOR TO INSTALLING ADDITIONAL SOIL.

NORTH SECTION

SCALE: 1"=5'-0"

B F1592-LPP103



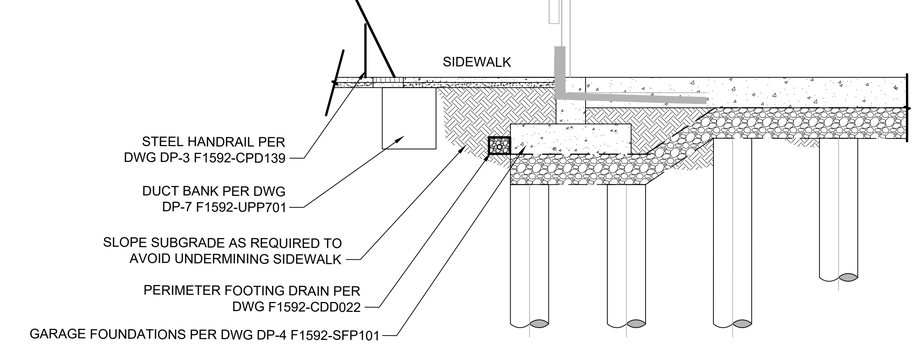
NOTE:

1. INSTALL SANDY LOAM IN MAXIMUM 8" LIFTS. WATER SETTLE AND COMPACT PRIOR TO INSTALLING ADDITIONAL SOIL.

SOUTH SECTION

SCALE: 1"=5'-0"

C F1592-LPP103



NOTE:

1. INSTALL SANDY LOAM IN MAXIMUM 8" LIFTS. WATER SETTLE AND COMPACT PRIOR TO INSTALLING ADDITIONAL SOIL.

EAST SECTION

SCALE: 1"=5'-0"

D F1592-LPP103

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	04/17/2023	RD	JV	JV	FINAL AS-BUILT

DESIGNED BY: R. DOTSON
DRAWN BY: P. MAGINNITY
CHECKED BY: J. VONG
APPROVED BY: J. VONG

HBB LANDSCAPE ARCHITECTURE
SUBMITTED BY: SARA ROBERTS

HENSEL PHELPS Plan. Build. Manage. kpff
DATE: 04/17/2023
REVIEWED BY: GREG SHIMIZU

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT
DATE: 04/17/2023

SCALE: 1"=5'-0"
FILENAME: S317-F1592-LPX101
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 04/17/2023

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS

LANDSCAPE
PLANTING SECTIONS

DRAWING No.: F1592-LPX101
FACILITY ID: F1592
SHEET No.: 441
REV: 0

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P:\2020 PROJECTS\2020-16 PUYALLUP STATION PARKING AND ACCESS IMP\GRAPHICS\AUTOCAD\S317-F1592-LPX101.DWG

Xrefs:
xGB-TB22x34

IRRIGATION LEGEND

NEW AUTOMATIC IRRIGATION SYSTEM TO MEET, MATCH, AND/OR CONTINUE EXISTING ADJACENT IRRIGATION SYSTEM; CONTRACTOR SHALL DESIGN NEW IRRIGATION SYSTEM AND SUBMIT SHOP DRAWING FOR RESIDENT ENGR REVIEW & APPROVAL PRIOR TO BEGINNING CONST, SEE SPECS

NEW PLANTING AREA TO RECEIVE HAND WATERING THROUGH ESTABLISHMENT PERIOD

IRRIGATION ABBREVIATIONS

#/NUM	NUMBER	GPM	GALLONS PER MINUTE
%	PERCENT	IRR	IRRIGATION
&	AND	MAX	MAXIMUM
ABBV	ABBREVIATIONS	MFRS	MANUFACTURERS
BKF	BACKFILL	MIN	MINIMUM
CF	CUBIC FEET	OC	ON CENTER
CLR	CLEAR	POC	POINT OF CONNECTION
CONST	CONSTRUCT(ION)	PVC	POLYVINYL CHLORIDE
CSTC	CRUSHED SURFACING TOP COURSE	PSI	POUNDS PER SQUARE INCH
DIA	DIAMETER	SCH	SCHEDULE
DWG(S)	DRAWING(S)	STA	STATION
ENGR	ENGINEER	SPEC(S)	SPECIFICATION(S)
EX	EXISTING	TYP	TYPICAL

IRRIGATION NOTES

1. LOCATE IRRIGATION POINT OF CONNECTION, QUICK COUPLING VALVE & AUTOMATIC CONTROL VALVES IN SHRUB/ GROUNDCOVER AREAS AT POINT OF EASY ACCESS. IRRIGATION PLAN IS SCHEMATIC. LOCATE ALL IRRIGATION EQUIPMENT WITHIN PLANTING AREAS. ENGR TO REVIEW & APPROVE FINAL LOCATION OF ALL VALVES PRIOR TO INSTALLATION.
2. EX STATIC PSI AT IRRIGATION METER IS 58 PSI. PRIOR TO INSTALLATION OF IRRIGATION SYSTEM, CONTRACTOR SHALL FIELD VERIFY EX PSI NOTIFY RESIDENT ENGR OF ANY DISCREPANCIES BETWEEN THE DESIGN PSI & EX PSI PRIOR TO PROCEEDING WITH WORK.
3. DRAWING IS SCHEMATIC. ACTUAL LOCATIONS MAY VARY DUE TO PLANT MATERIALS, UTILITIES OR EX CONDITIONS. CONTRACTOR IS RESPONSIBLE FOR LOCATING UTILITIES PRIOR TO BEGINNING CONSTRUCTION.
4. OPEN DRIP FLUSH VALVES AND AIR BLOW IRRIGATION SYSTEM THROUGH QUICK COUPLERS TO WINTERIZE IRRIGATION SYSTEM.

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	04/17/2023	RD	JV	JV	FINAL AS-BUILT

DESIGNED BY: R. DOTSON
DRAWN BY: P. MAGINNITY
CHECKED BY: J. VONG
APPROVED BY: J. VONG

HBB LANDSCAPE ARCHITECTURE
HENSEL PHELPS Plan. Build. Manage.
kpff
SOUNDTRANSIT

SUBMITTED BY: SARA ROBERTS
DATE: 04/17/2023
REVIEWED BY: GREG SHIMIZU
DATE: 04/17/2023

LINE IS 1" AT FULL SCALE

SCALE: NTS
FILENAME: S317-F1592-LRN100
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 04/17/2023

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS

LANDSCAPE
IRRIGATION NOTES, LEGEND, AND ABBREVIATIONS

DRAWING No.: F1592-LRN100
FACILITY ID: F1592
SHEET No.: 442
REV: 0

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Xrefs:
xGB-TB22x34

DRIP IRRIGATION SCHEDULE

1 F1592-LRD104 2 F1592-LRD104 3 F1592-LRD104	NETAFIM TECHLINE CV DRIPPER TUBING; MODEL TLCV4-18
1 F1592-LRD103	NETAFIM MANUAL FLUSH VALVE TLSOV
GPM 10 — 1 — CIRCUIT # VALVE SIZE 3/4"	
1 F1592-LRD102	AUTOMATIC CONTROL VALVE KIT WITH PRESSURE REGULATOR AND DISC FILTER; RAINBIRD XCZ-PRB-COM
3 F1592-LRD103 NO SYMBOL	DRIP LINE OPERATION INDICATOR, NETAFIM 10-CV-01
4 F1592-LRD103	3/4" HEADER CONNECTION ON SUPPLY OR EXHAUST HEADER (SCH 40 PVC)

EQUIPMENT LEGEND

3 F1592-LRD102	PIPE SLEEVES (SCH 80 PVC UNLESS OTHERWISE NOTED) W/ SIZE
1 F1592-LRD101	LATERAL LINE (SCH 40 PVC) W/ SIZE, SEE LATERAL PIPE SIZE LEGEND FOR SIZE
1 F1592-LRD101	1-1/2" MAINLINE (SCH 40 PVC)
4 F1592-LRD102	1" QUICK COUPLING VALVES - BUCKNER QB5 LRC-10 W/ QB55K10 W/ KEY
1 F1592-LRD102	1" RED & WHITE BRASS GATE VALVE
2 F1592-LRD103 C	RAINBIRD ESP12-LXMEF IRRIGATION CONTROLLER; 12 STATION CONTROLLER WITH ADDED 8-STATION MODULE, 20 STATIONS TOTAL; RAINBIRD LXMMSS AND LSMMSSPED STAINLESS STEEL CABINET; RAINBIRD IQ-NCC-4G MODEM AND RAINBIRD IQ-4G-EXP-ANT EXTERNAL 4G CELLULAR ANTENNA. RAINBIRD WR2RFC RAIN SENSOR, MOUNT RAIN SENSOR TO OUTSIDE OF THE EXTERIOR GARAGE WALL ON THE TOP LEVEL; CONTRACTOR TO PROVIDE SHOP DWGS OF RAIN SENSOR LOCATION & INSTALLATION DETAIL FOR REVIEW & APPROVAL. INSTALL ALL EQUIPMENT PER MFR'S RECOMMENDATIONS.
M	1" IRRIGATION WATER METER- SEE DWG F1592-UCP203
4 F1592-LRD101 MV	WEATHERMATIC 8200 CR SERIES (NORMALLY CLOSED) MASTER CONTROL VALVE 1 1/2" SIZE
2 F1592-LRD101 FS	1" DATA INDUSTRIAL FLOW SENSOR MODEL # IR220P
3 F1592-LRD101	POINT OF CONNECTION
4 F1592-LRD101 DCVA	1 1/2" WILKENS 950 XL DOUBLE CHECK VALVE ASSEMBLY
4 F1592-LRD101	1-1/2" MUELLER ORISEAL II CURB STOP VALVE

LATERAL PIPE SIZE LEGEND

3/4"
1"
1.5"
2"

SCH 40 PVC

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FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	04/17/2023	RD	JV	JV	FINAL AS-BUILT

DESIGNED BY: R. DOTSON
DRAWN BY: P. MAGINNITY
CHECKED BY: J. VONG
APPROVED BY: J. VONG

HBB LANDSCAPE ARCHITECTURE
SUBMITTED BY: SARA ROBERTS

HENSEL PHELPS Plan. Build. Manage. kpff
DATE: 04/17/2023
REVIEWED BY: GREG SHIMIZU

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT
DATE: 04/17/2023

SCALE: NTS
FILENAME: S317-F1592-LRS100
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 04/17/2023

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS

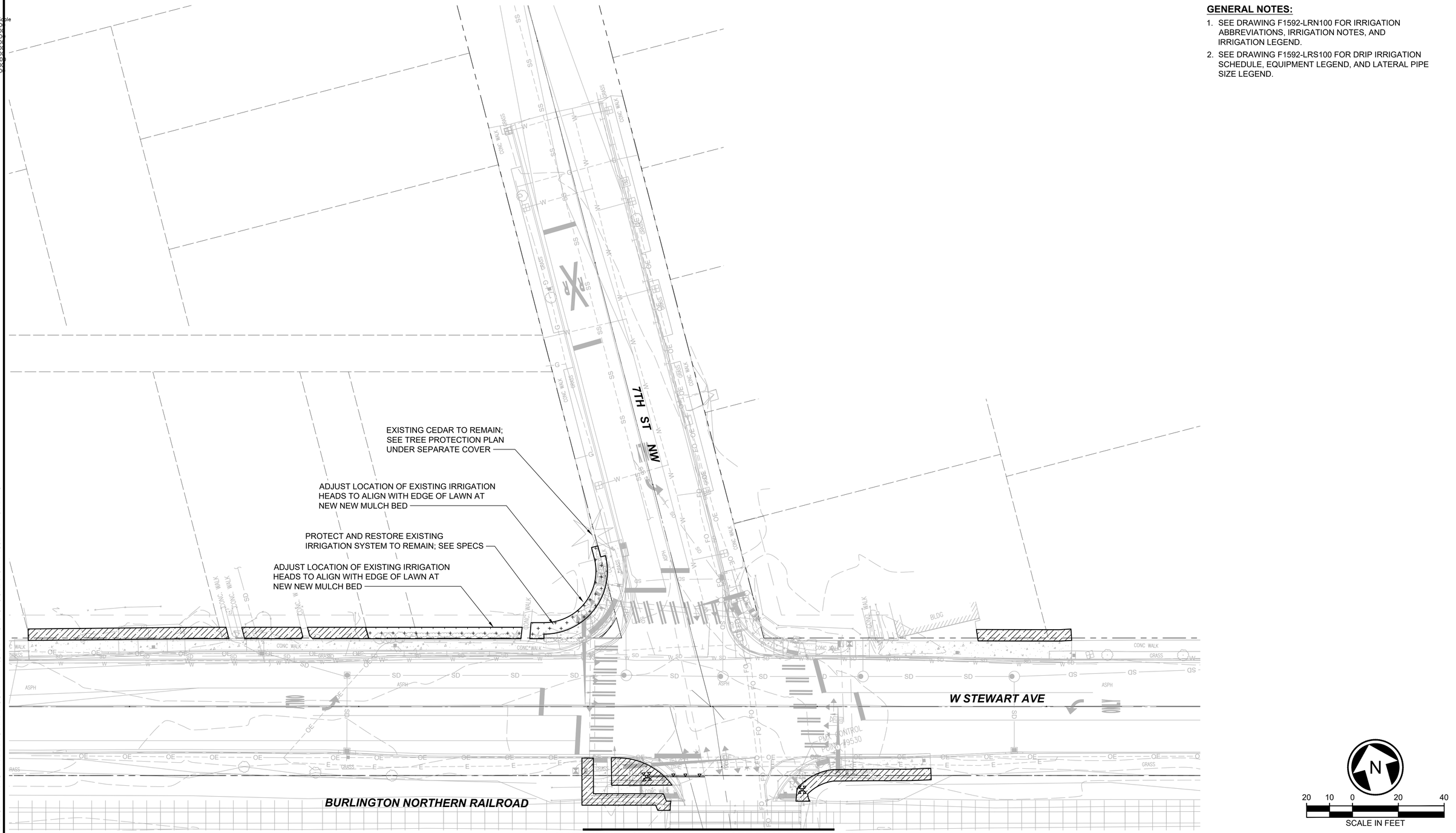
LANDSCAPE
IRRIGATION SCHEDULE

DRAWING No.: F1592-LRS100
FACILITY ID: F1592
SHEET No.: 443
REV: 0

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xS317-F1592-LRP100
xS317-F1592-VRX100
xS317-F1592-CMP100
xS317-F1592-TSP100
dS317-F1592-CAP100

GENERAL NOTES:

1. SEE DRAWING F1592-LRN100 FOR IRRIGATION ABBREVIATIONS, IRRIGATION NOTES, AND IRRIGATION LEGEND.
2. SEE DRAWING F1592-LRS100 FOR DRIP IRRIGATION SCHEDULE, EQUIPMENT LEGEND, AND LATERAL PIPE SIZE LEGEND.



MATCHLINE: STA R03 12+72.10 SEE DWG F1592-LPP102

N

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SCALE IN FEET

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	04/17/2023	RD	JV	JV	FINAL AS-BUILT

DESIGNED BY: R. DOTSON
DRAWN BY: P. MAGINNITY
CHECKED BY: J. VONG
APPROVED BY: J. VONG

HBB LANDSCAPE ARCHITECTURE
HENSEL PHELPS Plan. Build. Manage.
kpff

SUBMITTED BY: SARA ROBERTS
DATE: 04/17/2023
REVIEWED BY: GREG SHIMIZU
DATE: 04/17/2023

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT

SCALE: 1" = 20'
FILENAME: S317-F1592-LRP101
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 04/17/2023

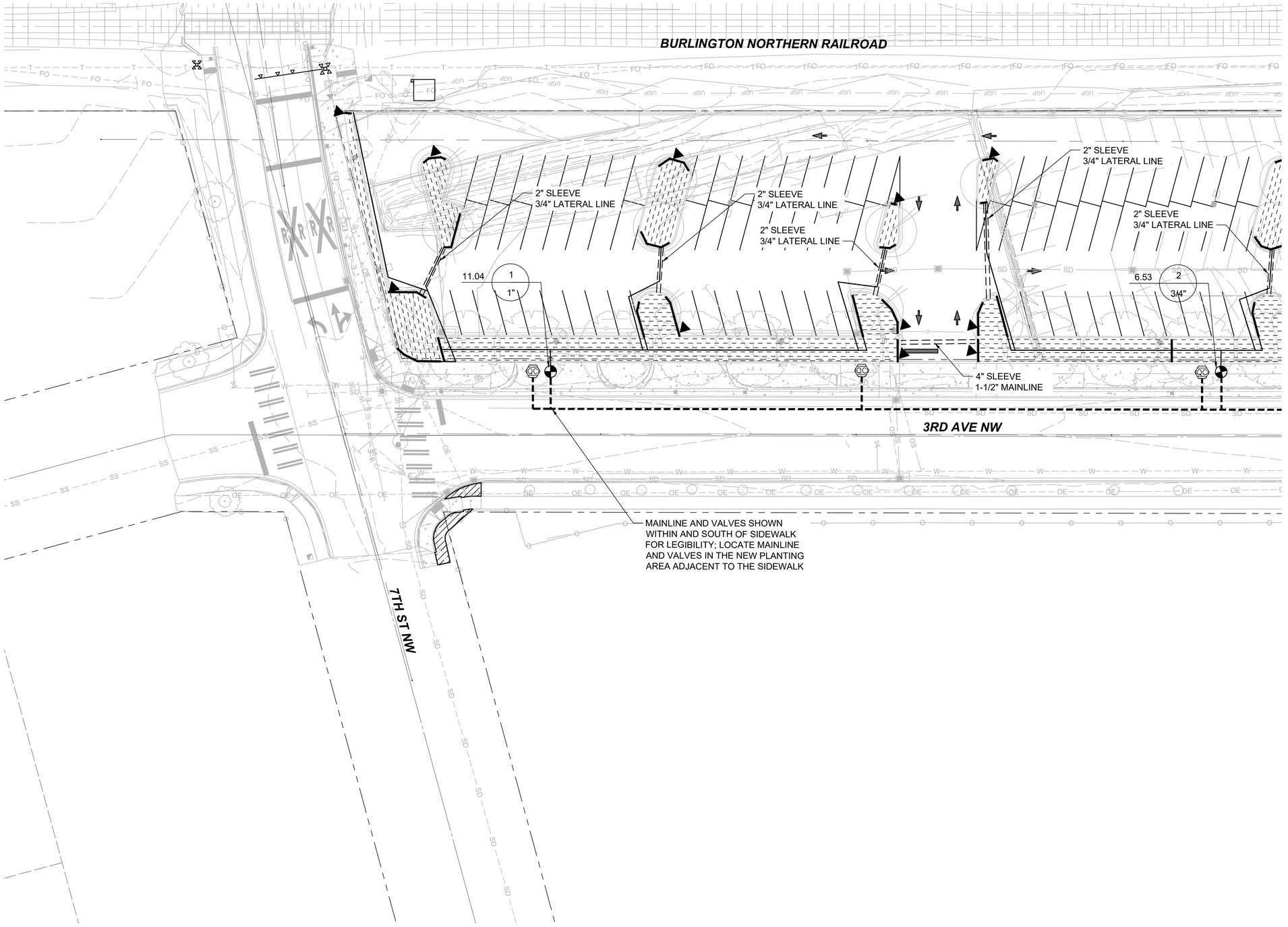
PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS

LANDSCAPE IRRIGATION PLAN

DRAWING No.: F1592-LRP101
FACILITY ID: F1592
SHEET No.: 444
REV: 0

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xS317-F1592-LRP100
xS317-F1592-TSP100
xS317-F1592-ELP100
xS317-F1592-VRX100
dS317-F1592-CAP100
xS317-F1592-CMP100



GENERAL NOTES:

1. SEE DRAWING F1592-LRN100 FOR IRRIGATION ABBREVIATIONS, IRRIGATION NOTES, AND IRRIGATION LEGEND.
2. SEE DRAWING F1592-LRS100 FOR DRIP IRRIGATION SCHEDULE, EQUIPMENT LEGEND, AND LATERAL PIPE SIZE LEGEND.

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20 10 0 20 40
SCALE IN FEET

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	04/17/2023	RD	JV	JV	FINAL AS-BUILT

DESIGNED BY: R. DOTSON
DRAWN BY: P. MAGINNITY
CHECKED BY: J. VONG
APPROVED BY: J. VONG

HBB LANDSCAPE ARCHITECTURE
HENSEL PHELPS Plan. Build. Manage.
kpff
SOUNDTRANSIT

LINE IS 1" AT FULL SCALE

SUBMITTED BY: SARA ROBERTS
DATE: 04/17/2023
REVIEWED BY: GREG SHIMIZU
DATE: 04/17/2023

SCALE: 1" = 20'
FILENAME: S317-F1592-LRP102
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 04/17/2023

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS

LANDSCAPE
IRRIGATION PLAN

DRAWING No.: F1592-LRP102
FACILITY ID: F1592
SHEET No.: 445
REV: 0

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BURLINGTON NORTHERN RAILROAD

3RD AVE NW

5TH ST NW

6TH ST NW

2ND AVE NW

2" SLEEVE
3/4" LATERAL LINE

2" SLEEVE
1" LATERAL LINE

4" SLEEVE
1-1/2" MAINLINE

6" SLEEVE
1-1/2" MAINLINE
3/4" LATERAL LINE

12.02
3
1-1/2"

4.22
4
3/4"

10.69
5
1"

3.5
6
1"

MAINLINE AND VALVE SHOWN NORTH OF SIDEWALK FOR LEGIBILITY; LOCATE MAINLINE AND VALVE IN THE NEW PLANTING AREA ADJACENT TO THE SIDEWALK

LOCATE HEADER AT EASTERN EDGE OF PLANTING AREA; HEADER SHOWN HERE FOR LEGIBILITY

IRRIGATION CONTROLLER AND RAIN SENSOR CONTROLLER INTERFACE

APPROXIMATE LOCATION OF RAIN SENSOR; SEE DWG F1592-LRS100 FOR EQUIPMENT LEGEND

POINT OF CONNECTION; FIELD VERIFY LOCATION W/ ENGR PRIOR TO INSTALLATION

MAINLINE AND VALVES SHOWN WITHIN AND OUTSIDE OF PATH FOR LEGIBILITY; LOCATE MAINLINE AND VALVES IN THE NEW PLANTING AREA ADJACENT TO THE PATH

EXISTING OAK TREE TO REMAIN; SEE TREE PROTECTION UNDER SEPARATE COVER

GENERAL NOTES:

1. SEE DRAWING F1592-LRN100 FOR IRRIGATIO ABBREVIATIONS, IRRIGATION NOTES, AND IRRIGATION LEGEND.
2. SEE DRAWING F1592-LRS100 FOR DRIP IRRIGA SCHEDULE, EQUIPMENT LEGEND, AND LATERA SIZE LEGEND.

N

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LINE IS 1" AT FULL SCALE

FINAL AS-BUILT

04/17/2023	RD	JV	JV	FINAL AS-BUILT
DATE	DSN	CHK	APP	REVISION

DESIGNED BY: R. DOTSON
DRAWN BY: P. MAGINNITY
CHECKED BY: J. VONG
APPROVED BY: J. VONG

HBB LANDSCAPE ARCHITECTURE
SUBMITTED BY: SARA ROBERTS

HENSEL PHELPS Plan. Build. Manage.
kpff
DATE: 04/17/2023
REVIEWED BY: GREG SHIMIZU

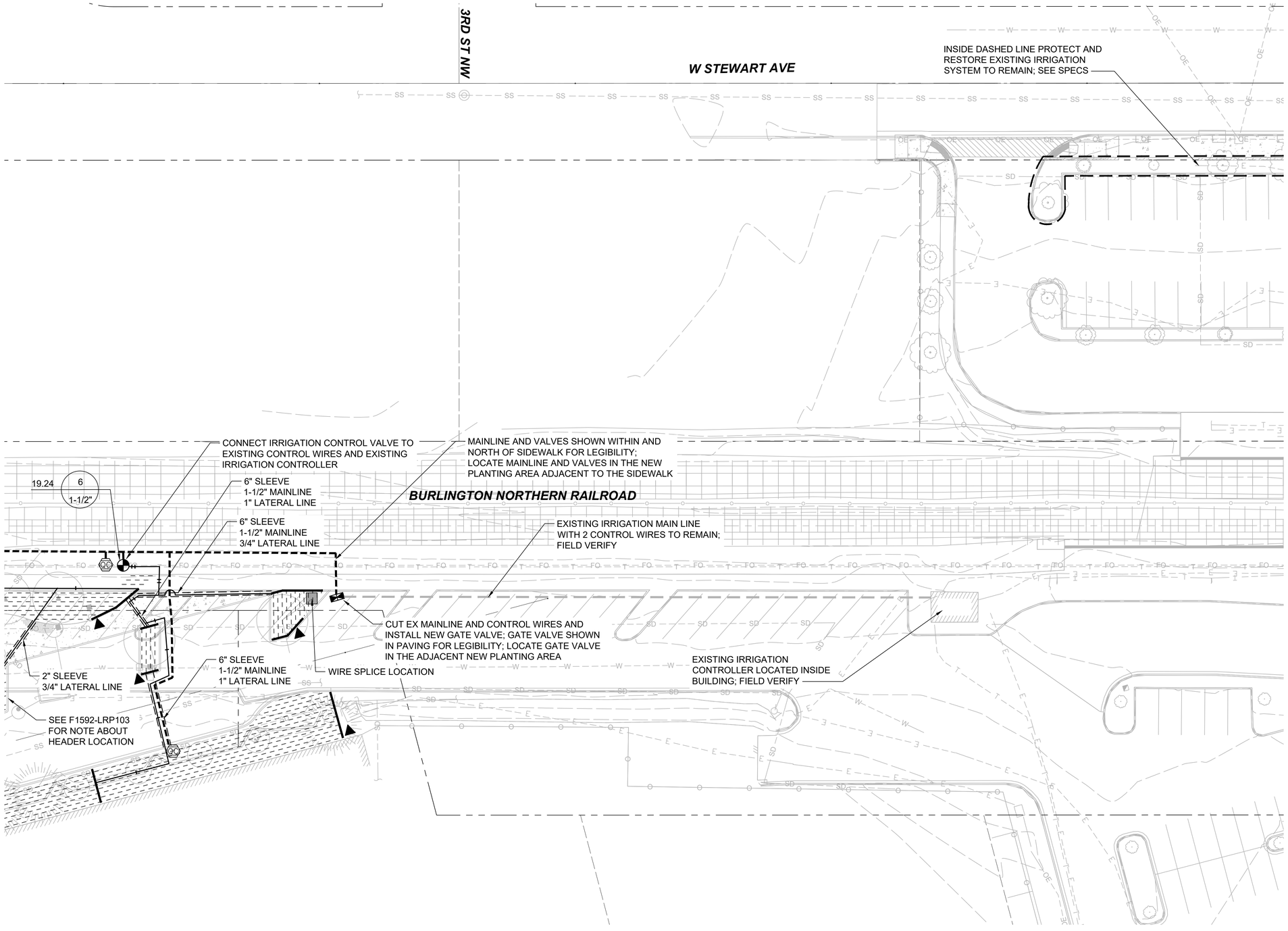
SOUNDTRANSIT

SCALE: 1" = 20'
FILENAME: S317-F1592-LRP103.DWG

PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS

PUYALLUP STATION PARKING AND ACCESS IMPIGRAPHICS\AUTOCAD\S317-F1592-LRP103.DWG

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xS317-F1592-LRP10
xS317-F1592-ELP10
xS317-F1592-VRX10
dS317-F1592-CAP10



GENERAL NOTES:

1. SEE DRAWING F1592-LRN100 FOR IRRIGATION ABBREVIATIONS, IRRIGATION NOTES, AND IRRIGATION LEGEND.
2. SEE DRAWING F1592-LRS100 FOR DRIP IRRIGATION SCHEDULE, EQUIPMENT LEGEND, AND LATERAL PIPE SIZE LEGEND.

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20 10 0 20 40
SCALE IN FEET

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	04/17/2023	RD	JV	JV	FINAL AS-BUILT

DESIGNED BY: R. DOTSON
DRAWN BY: P. MAGINNITY
CHECKED BY: J. VONG
APPROVED BY: J. VONG

HBB LANDSCAPE ARCHITECTURE
HENSEL PHELPS Plan. Build. Manage.
kpff
SOUNDTRANSIT

LINE IS 1" AT FULL SCALE

SUBMITTED BY: SARA ROBERTS
DATE: 04/17/2023
REVIEWED BY: GREG SHIMIZU
DATE: 04/17/2023

SCALE: 1" = 20'
FILENAME: S317-F1592-LRP104
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 04/17/2023

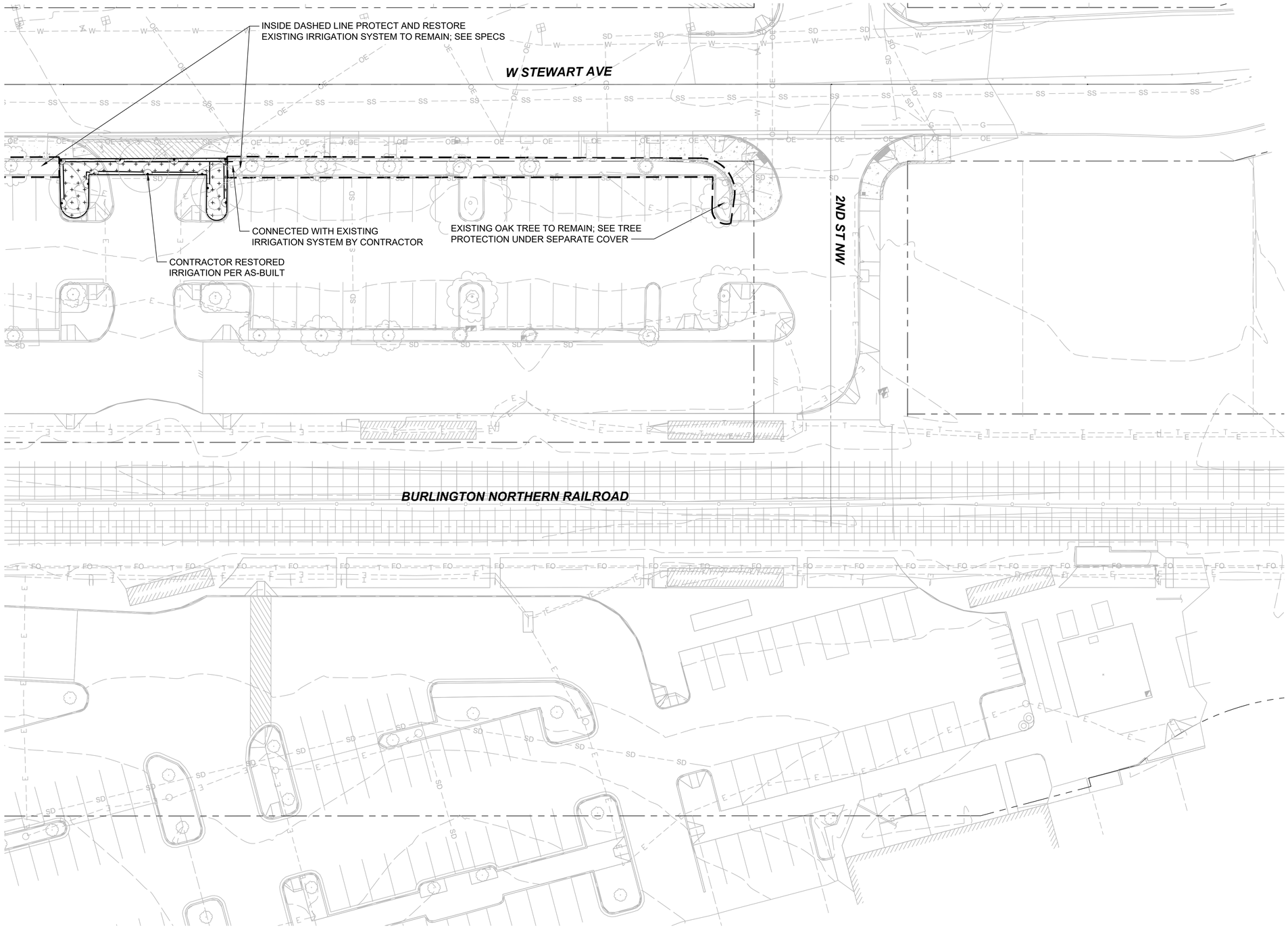
PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS

LANDSCAPE
IRRIGATION PLAN

DRAWING No.: F1592-LRP104
FACILITY ID: F1592
SHEET No.: 447
REV: 0

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xS317-F1592-LRP100
xS317-F1592-VRX100
dS317-F1592-CAP100
xS317-F1592-CMP100



GENERAL NOTES:

1. SEE DRAWING F1592-LRN100 FOR IRRIGATION ABBREVIATIONS, IRRIGATION NOTES, AND IRRIGATION LEGEND.
2. SEE DRAWING F1592-LRS100 FOR DRIP IRRIGATION SCHEDULE, EQUIPMENT LEGEND, AND LATERAL PIPE SIZE LEGEND.

N

20 10 0 20 40

SCALE IN FEET

FINAL AS-BUILT

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APPROVED BY: J. VONG

HBB LANDSCAPE ARCHITECTURE

HENSEL PHELPS Plan. Build. Manage.

kpff

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT

SUBMITTED BY: SARA ROBERTS
DATE: 04/17/2023
REVIEWED BY: GREG SHIMIZU
DATE: 04/17/2023

SCALE: 1" = 20'
FILENAME: S317-F1592-LRP105
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 04/17/2023

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS

LANDSCAPE
IRRIGATION PLAN

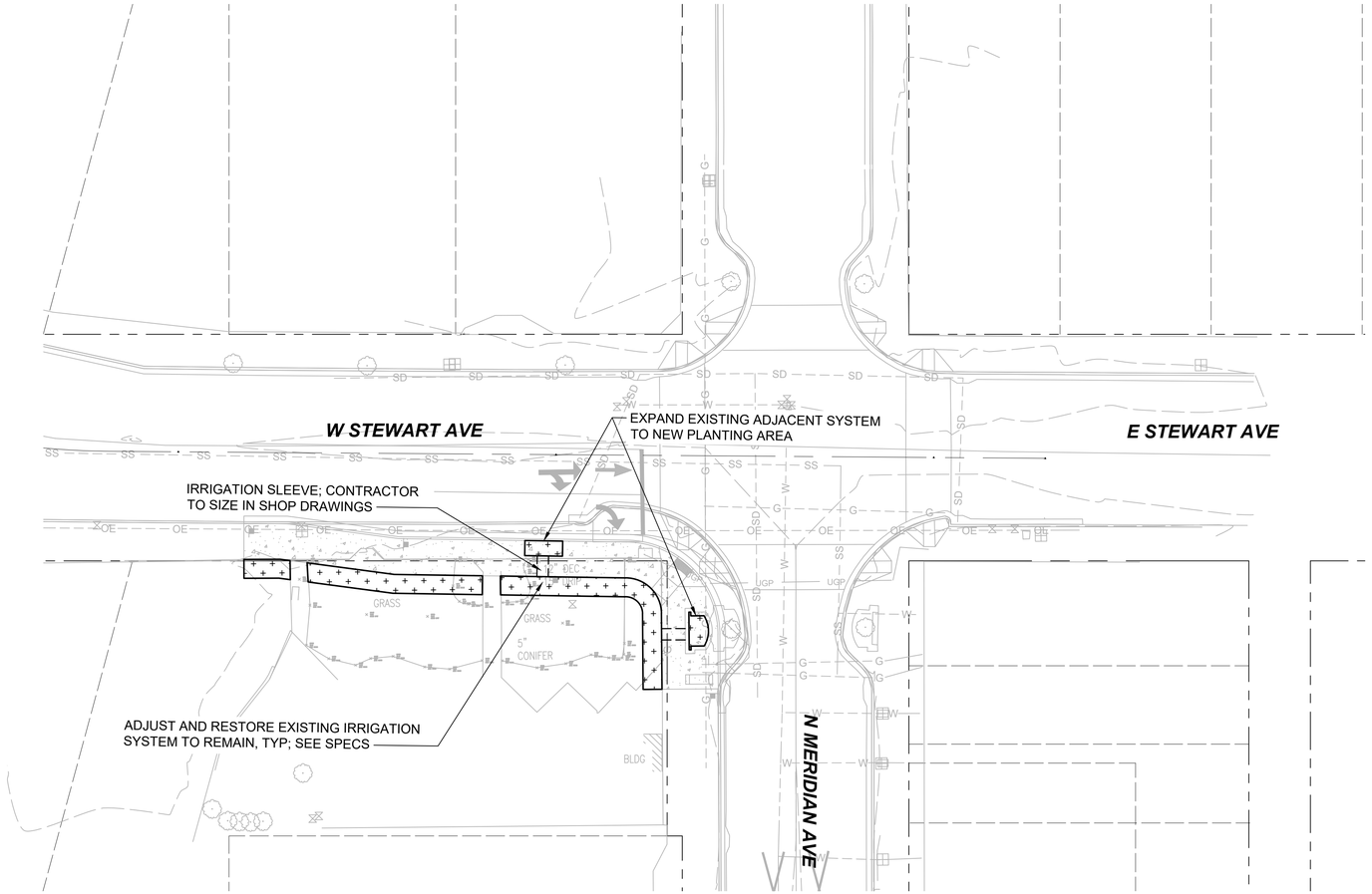
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SHEET No.: 448
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xS317-F1592-LRP100
xS317-F1592-VRX100
dS317-F1592-CAP100
xS317-F1592-CMP100

GENERAL NOTES:

1. SEE DRAWING F1592-LRN100 FOR IRRIGATION ABBREVIATIONS, IRRIGATION NOTES, AND IRRIGATION LEGEND.
2. SEE DRAWING F1592-LRS100 FOR DRIP IRRIGATION SCHEDULE, EQUIPMENT LEGEND, AND LATERAL PIPE SIZE LEGEND.



N

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SCALE IN FEET

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DESIGNED BY: R. DOTSON
DRAWN BY: P. MAGINNITY
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APPROVED BY: J. VONG

HBB LANDSCAPE ARCHITECTURE
HENSEL PHELPS Plan. Build. Manage.
kpff
SOUNDTRANSIT

LINE IS 1" AT FULL SCALE

SUBMITTED BY: SARA ROBERTS
DATE: 04/17/2023
REVIEWED BY: GREG SHIMIZU
DATE: 04/17/2023

SCALE: 1" = 20'
FILENAME: S317-F1592-LRP106
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 04/17/2023

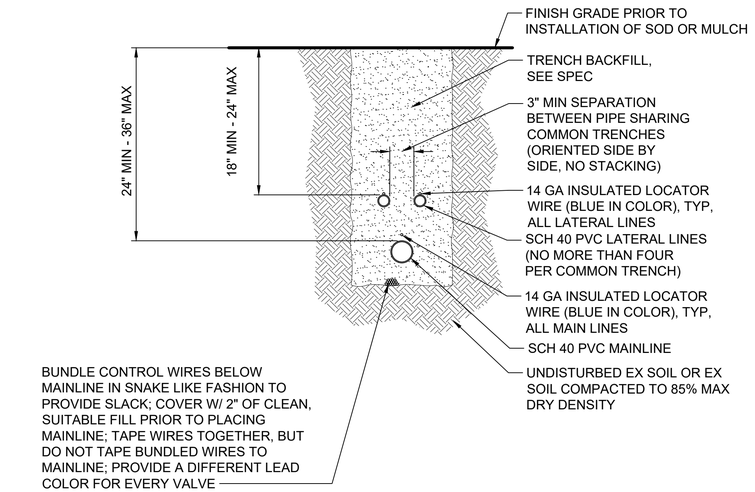
PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS

LANDSCAPE
IRRIGATION PLAN

DRAWING No.: F1592-LRP106
FACILITY ID: F1592
SHEET No.: 449
REV: 0

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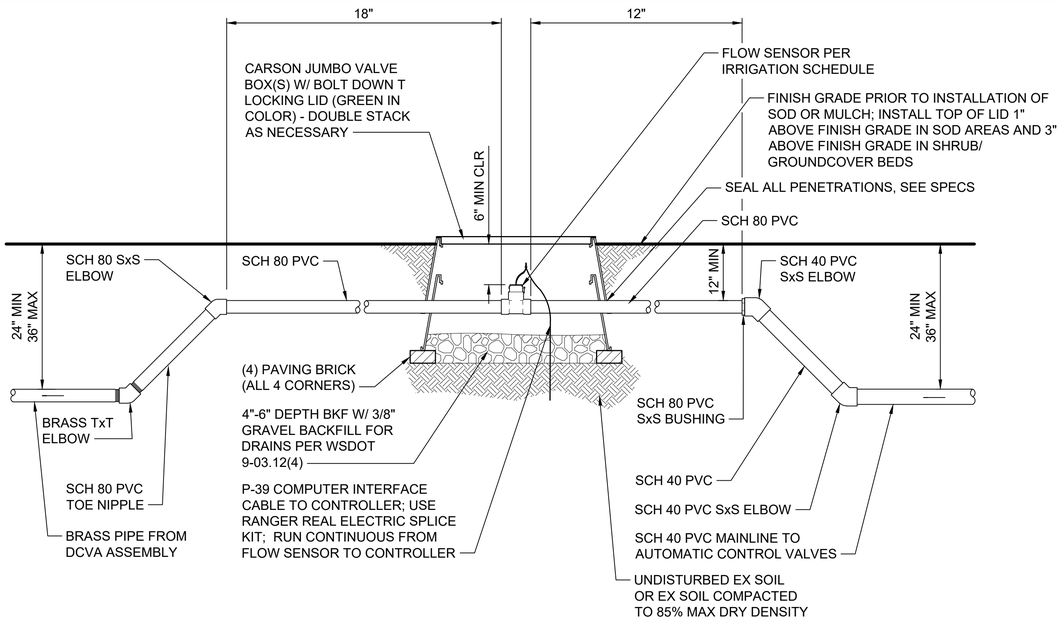
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IRRIGATION TRENCH

SCALE: NTS

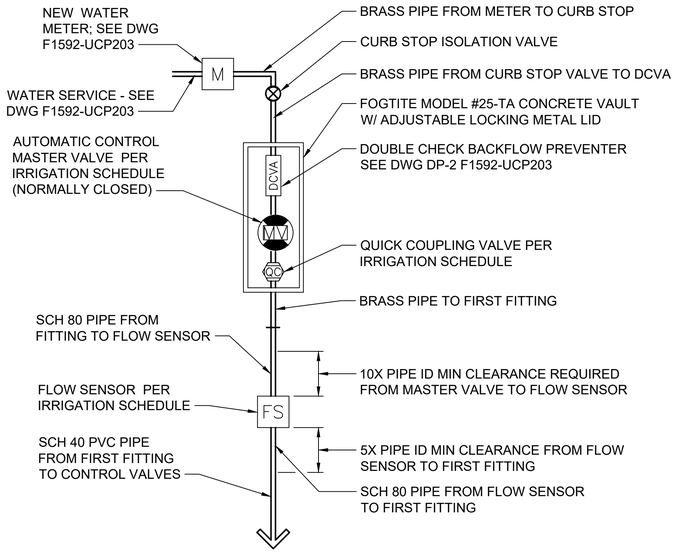
1 F1592-LRS100



FLOW SENSOR ASSEMBLY

SCALE: NTS

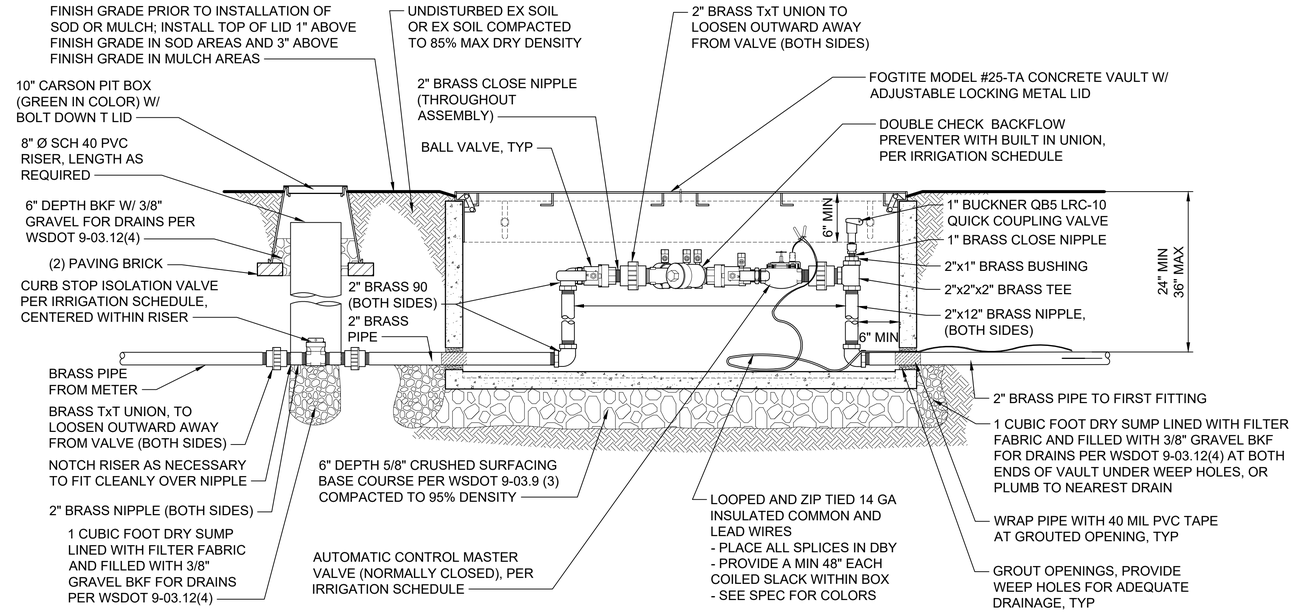
2 F1592-LRS100



IRRIGATION POINT OF CONNECTION

SCALE: NTS

3 F1592-LRS100



DOUBLE CHECK BACKFLOW VALVE ASSEMBLY

SCALE: NTS

4 F1592-LRS100

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FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	04/17/2023	RD	JV	JV	FINAL AS-BUILT

DESIGNED BY: R. DOTSON
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APPROVED BY: J. VONG

HBB LANDSCAPE ARCHITECTURE
HENSEL PHELPS Plan. Build. Manage.
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LINE IS 1" AT FULL SCALE
SOUNDTRANSIT

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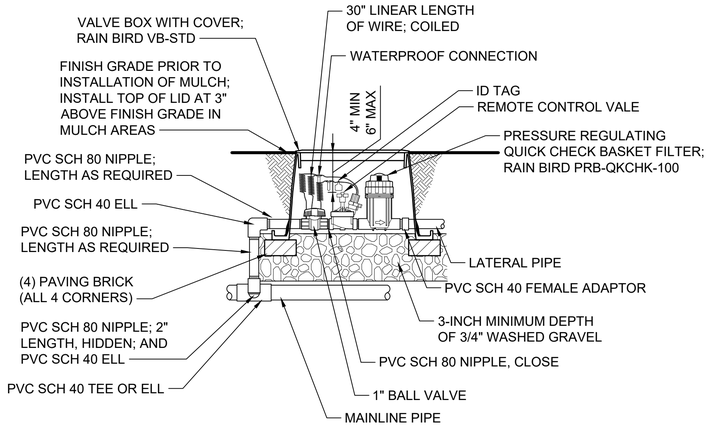
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FILENAME: S317-F1592-LRD101
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 04/17/2023

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS

LANDSCAPE
IRRIGATION DETAILS

DRAWING No.: F1592-LRD101
FACILITY ID: F1592
SHEET No.: 450
REV: 0

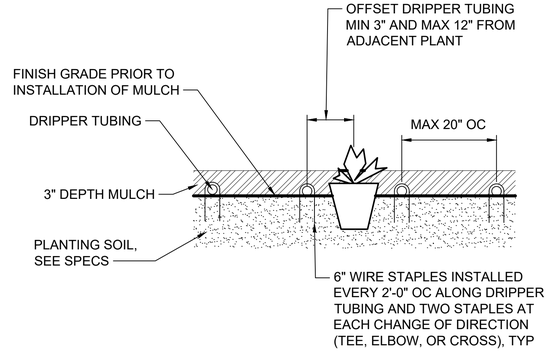
Xrefs:
xGB-TB22x34
xS317-F1592-LRD00



DRIP AUTOMATIC CONTROL VALVE WITH PRESSURE REGULATING BASKET FILTER & GATE VALVE

1 F1592-LRS100

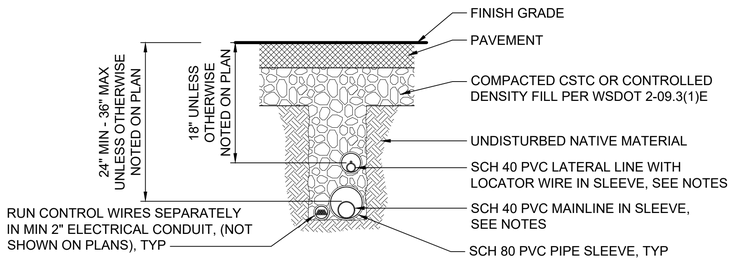
SCALE: NTS



DRIPPER TUBING

2 F1592-LRS100

SCALE: NTS



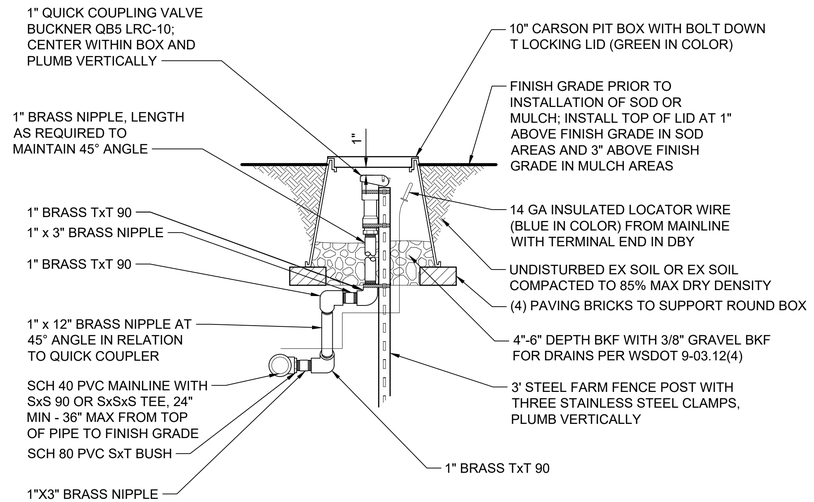
NOTES:

1. SLEEVING MATERIAL SHALL BE SIZE AND TYPE AS SHOWN ON CONTRACT DRAWINGS.
2. EXTEND SLEEVING MATERIAL 12" BEYOND EDGE OF PAVEMENT.

IRRIGATION TRENCH UNDER PAVEMENT

3 F1592-LRS100

SCALE: NTS



QUICK COUPLING VALVE

4 F1592-LRS100

SCALE: NTS

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P:\2020 PROJECTS\2020-16 PUYALLUP STATION PARKING AND ACCESS IMP\GRAPHICS\AUTOCAD\S317-F1592-LRD102.DWG

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	04/17/2023	RD	JV	JV	FINAL AS-BUILT

DESIGNED BY: R. DOTSON
DRAWN BY: P. MAGINNITY
CHECKED BY: J. VONG
APPROVED BY: J. VONG

HBB LANDSCAPE ARCHITECTURE
HENSEL PHELPS Plan. Build. Manage.
kpff
LINE IS 1" AT FULL SCALE
SOUNDTRANSIT

SUBMITTED BY: SARA ROBERTS
DATE: 04/17/2023
REVIEWED BY: GREG SHIMIZU
DATE: 04/17/2023

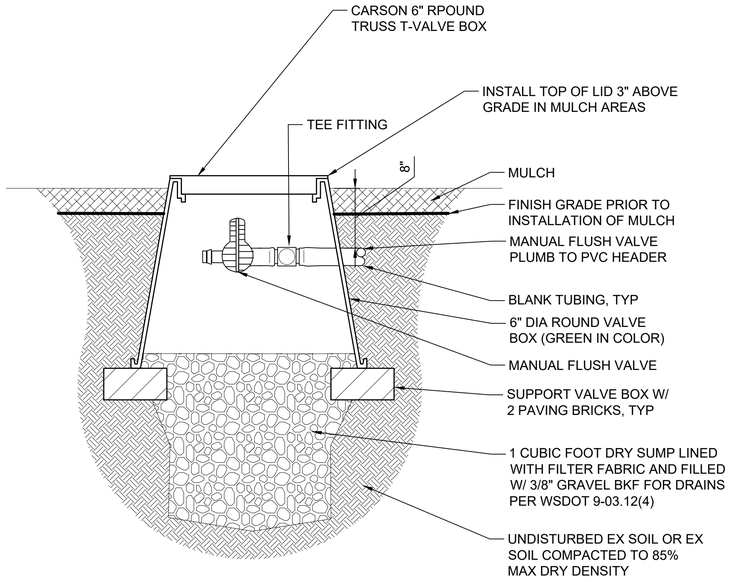
SCALE: NTS
FILENAME: S317-F1592-LRD102
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 04/17/2023

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS

LANDSCAPE
IRRIGATION DETAILS

DRAWING No.: F1592-LRD102
FACILITY ID: F1592
SHEET No.: 451
REV: 0

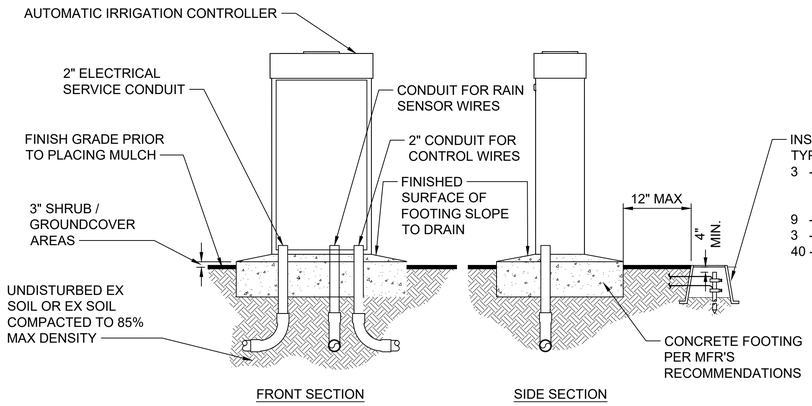
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xS317-F1592-LRD00



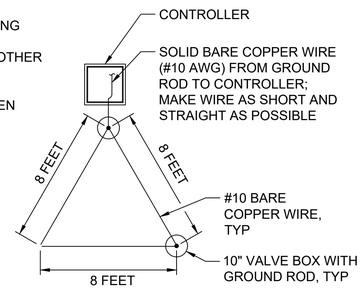
MANUAL FLUSH SHUT-OFF VALVE

SCALE: NTS

1 F1592-LRS100



INSTALL PER MANUFACTURERS RECOMMENDATIONS; TYPICAL GROUND GRID INCLUDES:
3 - 5/8" X 8' COPPER CLAD GROUNDING RODS, INSTALL IN TRIANGULAR PATTERN 8' APART FROM EACH OTHER
9 - GROUND ROD CLAMPS
3 - 10" VALVE BOX
40 - #10 BARE COPPER WIRE BETWEEN GROUNDING RODS



CONTROLLER GROUNDING GRID LAYOUT

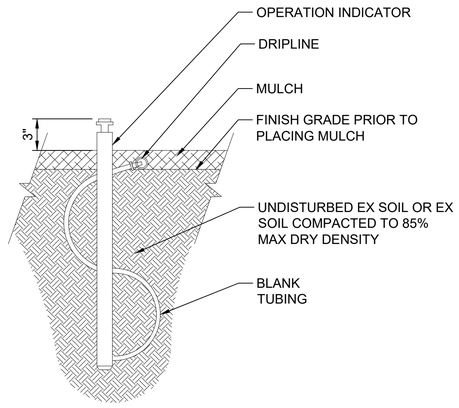
NOTES:

1. ALL CONDUITS SHALL EXTEND MIN 6" BEYOND EDGE OF CONC FOOTING AND BE MIN 18" DEPTH BELOW FINISH GRADE.
2. INSTALLATION TO BE COMPLETED PER MFR'S RECOMMENDATIONS.
3. INSTALL ELEC CONDUIT PER LOCAL & NATIONAL ELEC CODES.
4. LOCATE CONTROLLER W/ EASY ACCESS FROM SIDEWALK. FIELD VERIFY INSTALLATION LOCATION W/ ENG PRIOR TO BEGINNING WORK.

IRRIGATION CONTROLLER

SCALE: NTS

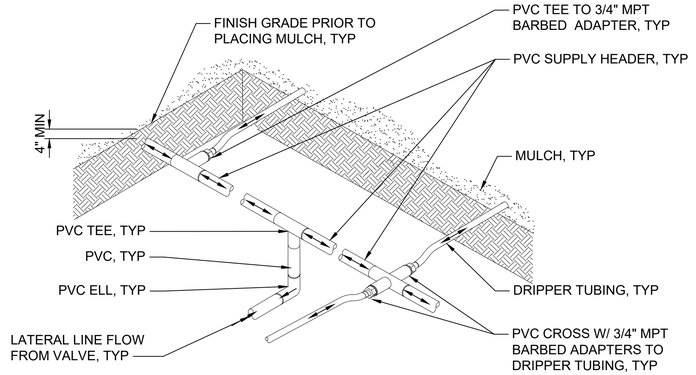
2 F1592-LRS100



DRIPLINE OPERATION INDICATOR

SCALE: NTS

3 F1592-LRS100



NOTES:

1. DRIPPER TUBING SHALL BE INSTALLED FLAT TO FINISH GRADE AND APPROVED BY RESIDENT ENGINEER PRIOR TO PLACING MULCH.

TYPICAL HEADER CONNECTIONS

SCALE: NTS

4 F1592-LRS100

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	04/17/2023	RD	JV	JV	FINAL AS-BUILT

DESIGNED BY: R. DOTSON
DRAWN BY: P. MAGINNITY
CHECKED BY: J. VONG
APPROVED BY: J. VONG

HBB LANDSCAPE ARCHITECTURE
HENSEL PHELPS Plan. Build. Manage.
kpff
SOUNDTRANSIT

SUBMITTED BY: SARA ROBERTS
DATE: 04/17/2023
REVIEWED BY: GREG SHIMIZU
DATE: 04/17/2023

LINE IS 1" AT FULL SCALE

SCALE: NTS
FILENAME: S317-F1592-LRD103
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 04/17/2023

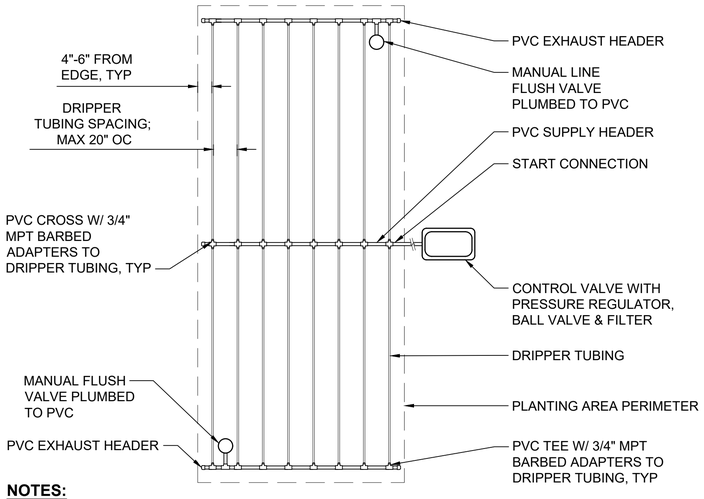
PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS

LANDSCAPE
IRRIGATION DETAILS

DRAWING No.: F1592-LRD103
FACILITY ID: F1592
SHEET No.: 452
REV: 0

05/04/23 | 8:57 AM | APARKER
P:\2020 PROJECTS\2020-16 PUYALLUP STATION PARKING AND ACCESS IMP\GRAPHICS\AUTOCAD\S317-F1592-LRD103.DWG

Xrefs:
xGB-TB22x34
xS317-F1592-LRD00



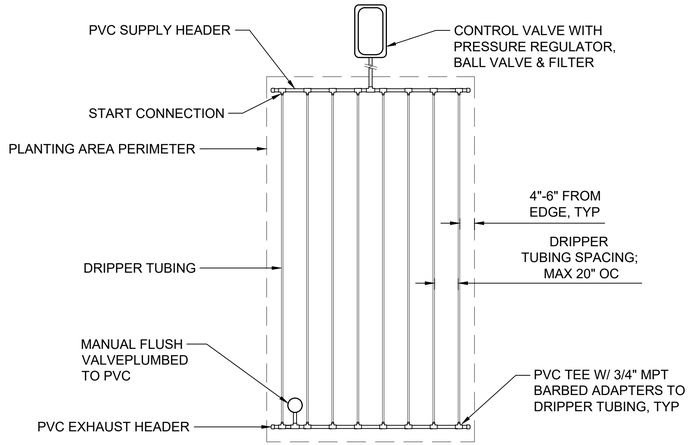
NOTES:

1. INSTALL ONE DRIPLINE OPERATION INDICATOR PER VALVE. LOCATE ON DRIPPER TUBING CLOSEST TO CONTROL VALVE.
2. SEE DETAIL 4 IN DWG F1592-LRD103 FOR TYPICAL SUPPLY/ EXHAUST HEADER CONNECTIONS.

DRIP CENTER FEED LAYOUT

SCALE: NTS

1 F1592-LRS100



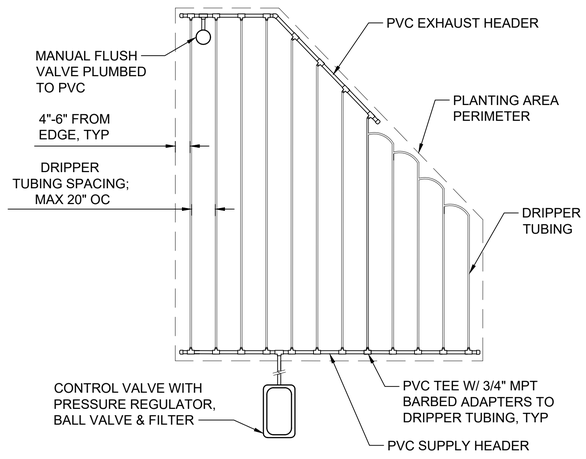
NOTES:

1. INSTALL ONE DRIPLINE OPERATION INDICATOR PER VALVE. LOCATE ON DRIPPER TUBING CLOSEST TO CONTROL VALVE.
2. SEE DETAIL 4 IN DWG F1592-LRD103 FOR TYPICAL SUPPLY/ EXHAUST HEADER CONNECTIONS.

DRIP END FEED LAYOUT

SCALE: NTS

2 F1592-LRS100



NOTES:

1. INSTALL ONE DRIPLINE OPERATION INDICATOR PER VALVE. INSTALL ON DRIPPER TUBING CLOSEST TO VALVE.
2. SEE DETAIL 4 IN DWG F1592-LRD103 FOR TYPICAL SUPPLY/ EXHAUST HEADER CONNECTIONS.

DRIP IRREGULAR FEED LAYOUT

SCALE: NTS

3 F1592-LRS100

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	04/17/2023	RD	JV	JV	FINAL AS-BUILT

DESIGNED BY: R. DOTSON
DRAWN BY: P. MAGINNITY
CHECKED BY: J. VONG
APPROVED BY: J. VONG

HBB LANDSCAPE ARCHITECTURE

HENSEL PHELPS Plan. Build. Manage.
kpff

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT

SUBMITTED BY: SARA ROBERTS
DATE: 04/17/2023
REVIEWED BY: GREG SHIMIZU
DATE: 04/17/2023

SCALE: NTS
FILENAME: S317-F1592-LRD104
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 04/17/2023

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS

LANDSCAPE
IRRIGATION DETAILS

DRAWING No.: F1592-LRD104
FACILITY ID: F1592
SHEET No.: 453
REV: 0

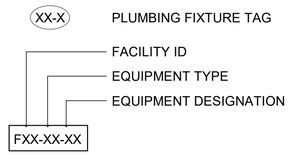
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ABBREVIATIONS

ADV	ACTUATED DRAIN VALVE
AI	ANALOG INPUT
AO	ANALOG OUTPUT
B/O	BOTTOM OF OPENING
CD	CONDENSATE DRAIN
CF	CUBIC FEET
CO	CLEANOUT
COND	CONDENSATE
CONT	CONTINUATION
CU	CONDENSING UNIT
DCBFP	DOUBLE CHECK BACKFLOW PREVENTER
DCVA	DOUBLE CHECK VALVE ASSEMBLY
DCW	DOMESTIC COLD WATER
DEF	DEFLECTION
DHW	DOMESTIC HOT WATER
DHWR	DOMESTIC HOT WATER RECIRCULATION
DI	DIGITAL INPUT/DUCTILE IRON
DO	DIGITAL OUTPUT
DRV	DRAIN VALVE
ELEV	ELEVATION
ENT	ENTERING
EWH	ELECTRIC WATER HEATER
F	FIRE
°F	FAHRENHEIT
FCO	FLOOR CLEANOUT
FLA	FULL LOAD AMPS
FS	FLOOR SINK
FT	FEET
GCO	GRADE CLEANOUT
GD	GARAGE DRAINAGE
HP	HORSEPOWER/HEAT PUMP
HTCC	HEAT TAPE CIRCUIT CONTROLLER
HW	HOT WATER
INT	INTERNAL
INV	INVERT
ID	INDIRECT WASTE/INSIDE DIAMETER
IRR	IRRIGATION
LF	LINEAR FEET/FOOT
LVG	LEAVING
MFR	MANUFACTURER
MS	MOP SINK
(N)	NEW
NPCW	NON POTABLE DOMESTIC COLD WATER
NZ	NOZZLE
OPER	OPERATING
ORL	OVERFLOW RAINWATER LEADER
OW	OIL WASTE
OWS	OIL WATER SEPARATOR
PA	PRE ACTION SPRINKLER CONTROL VALVE
PD	PRESSURE DROP/PUMPED DISCHARGE
PR	PRESSURE
PRV	PRESSURE REDUCING/RELIEF VALVE
PSI	POUNDS PER SQUARE INCH
PW	PUMPED WASTE
QTY	QUANTITY
RD	ROOF DRAIN/REFRIGERANT DISCHARGE
RL	RAINWATER LEADER/REFRIGERANT LIQUID
RS	REFRIGERANT SUCTION
SOV	SHUT OFF VALVE
SQFT	SQUARE FEET
SS	SANITARY SEWER/STAINLESS STEEL
ST	STORM
TD	TRENCH DRAIN
T/LR	TOP OF LOW RAIL
TUN	TUNNEL
TP	TRAP PRIMER
UR	URINAL
V	VOLTAGE/VENT
VEL	VELOCITY
VOL	VOLUME
VRV	VACUUM RELIEF VALVE
VS	VIBRATION MONITORING SWITCH
VTR	VENT THROUGH ROOF
W	WATT
WHA	WATER HAMMER ARRESTOR

SYMBOLS & LEGEND

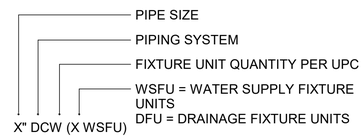
PLUMBING EQUIPMENT TAG LEGEND



NOTE:

EQUIPMENT NAMES ARE NOT SHOWN WITH FACILITY ID FOR CLARITY, ALL EQUIPMENT STARTS WITH "592-". PROVIDE FACILITY ID PREFIX ON ALL EQUIPMENT LABELS IN THE FIELD.

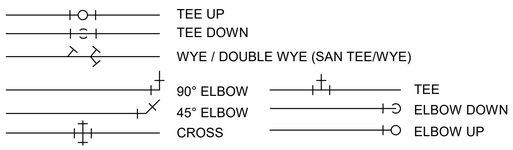
PLUMBING SIZING LEGEND



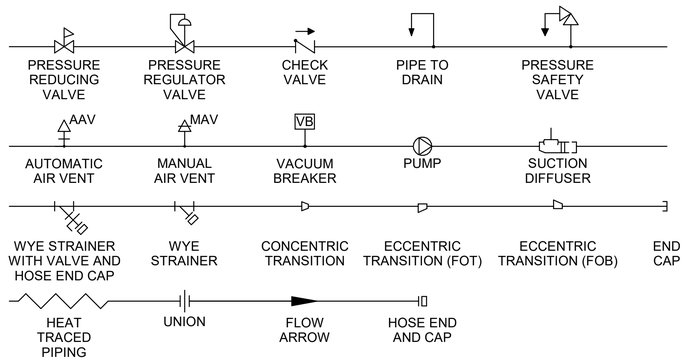
PIPING SYSTEMS

COND	CONDENSATE DRAINAGE
DCW	DOMESTIC COLD WATER
DHW	DOMESTIC HOT WATER
DHWR	DOMESTIC HOT WATER RECIRC
GD	GARAGE DRAINAGE
SS	SANITARY SEWER
PW	PUMPED WASTE
V	VENT
ST	STORM
RL	RAINWATER LEADER
ORL	OVERFLOW RAINWATER LEADER
NPCW	NON POTABLE DCW (LABEL PER 2015 UPC 601.2)

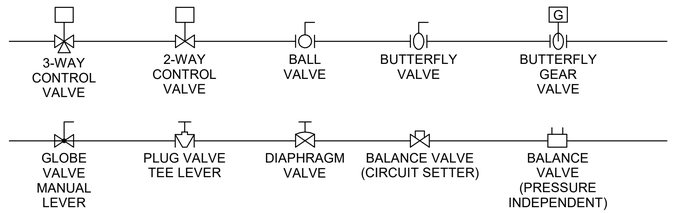
PIPE FITTINGS



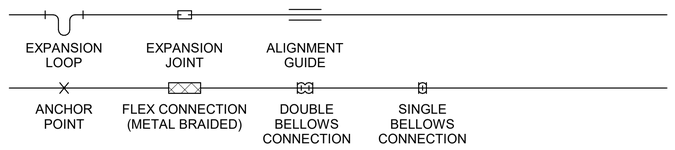
SPECIALTY ITEMS



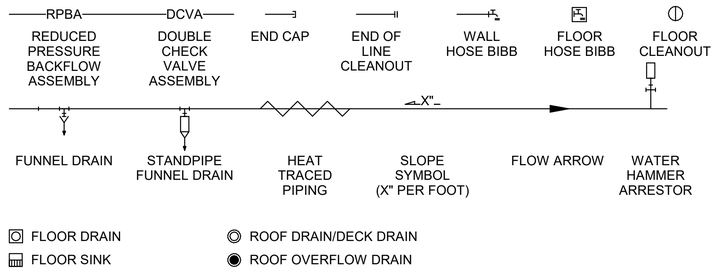
PLUMBING GENERAL VALVES



EXPANSION



GENERAL PLUMBING



FLOOR DRAIN
FLOOR SINK
ROOF DRAIN/DECK DRAIN
ROOF OVERFLOW DRAIN

APPLICABLE CODES

CITY OF PUYALLUP

A. INTERNATIONAL BUILDING CODE (IBC), 2015 EDITION, AS AMENDED BY THE STATE OF WASHINGTON AND CITY OF PUYALLUP.

B. UNIFORM PLUMBING CODE, 2015 EDITION WITH WASHINGTON STATE AND CITY OF PUYALLUP AMENDMENTS.

C. WASHINGTON STATE ENERGY CODE, 2015 EDITION.

GENERAL NOTES

DRAWING GENERAL NOTES:

1. ABBREVIATIONS AND SYMBOLS SHOWN HERE MAY INCLUDE ITEMS THAT ARE NOT PART OF THIS CONTRACT.

PLUMBING GENERAL NOTES:

1. ALL DRAWINGS ARE DIAGRAMMATIC. CONTRACTOR SHALL CHECK AND VERIFY ALL DIMENSIONS AND JOB CONDITIONS IN THE FIELD.
2. CONTRACTOR SHALL PERFORM ALL CUTTING AND PATCHING OF THE STRUCTURE AS REQUIRED.
3. THE CONTRACTOR SHALL AVOID ALL INTERFERENCE BETWEEN EQUIPMENT, PIPING, ELECTRICAL FIXTURES AND OTHER WORK DISCIPLINES AS APPLICABLE.
4. ALL WORK SHALL BE PERFORMED IN A WORKMANLIKE MANNER EXECUTED IN ACCORDANCE WITH THE BEST ACCEPTED TRADES PRACTICES.
5. ALL OPENINGS FOR PIPES GOING THROUGH WALLS, FLOORS, CEILING, ETC. MUST HAVE A PIPE SLEEVE WHERE THE ANNULUS OUTSIDE THE SLEEVE SHALL HAVE THE SAME FIRE RATING AT THE WALL OR FLOOR.
6. THE CONTRACTOR SHALL FURNISH AND INSTALL ALL NECESSARY PIPES, FITTINGS, BOLTS, WASHERS, NUTS, SCREWS, ANCHOR STRAPS, HANGERS, SUPPORTS, GUIDES AND CLAMPS REQUIRED AND AS DIRECTED BY THE ENGINEER.
7. ALL WATER PIPING SHALL BE TESTED PER SPECIFICATIONS BEFORE BEING INSULATED.
8. PROVIDE 3/4" DRAIN VALVES WITH HOSE FITTINGS AT ALL LOW POINTS OF HOT AND COLD WATER PIPING.
9. ALL HORIZONTAL WASTE LINES SHALL BE AT A MINIMUM SLOPE OF 1/4" PER FOOT UNLESS OTHERWISE NOTED ON PLANS.
10. PROVDE FLOOR DRAINS IN ALL ROOMS INDICATED EXCEPT ROOMS WITH CLEAN AGENT FIRE SUPPRESSION SYSTEMS.
11. ALL FLOORS SHALL BE SLOPED TO FLOOR DRAINS. LOCATION OF FLOOR DRAINS ARE DIAGRAMMATIC AND SHALL BE COORDINATED BY THE CONTRACTOR.
12. DOMESTIC WATER PIPING SHALL BE DRAINED DOWN SEASONALLY TO PROTECT FROM FREEZING. REFER TO DOMESTIC WATER RISER DIAGRAMS AND PLANS FOR SYSTEM EQUIPMENT AND DRAIN POINTS.
13. ALL FLOOR DRAINS AND CLEANOUTS IN PUBLIC AREAS SHALL HAVE BRUSHED STAINLESS STEEL FINISH.
14. ALL PIPING BENEATH STRUCTURAL ELEMENTS SHALL BE PROVIDED WITH DUCTILE IRON SLEEVES TWO PIPE SIZES LARGER THAN THE SERVICE PIPE.
15. SEISMIC EXPANSION LOOPS SHALL BE PROVIDED WHERE PIPING CROSSES BUILDING EXPANSION JOINTS.
16. PIPE INSTALLATION ON ALL LEVELS SHALL NOT ENCROACH ON DRIVE ISLE HEIGHTS, MINIMUM 7'-3.

DESIGN RECORD DRAWING UPDATES ARE BASED ON CONTRACTOR'S REDLINES. THE ITEMS AS SHOWN HAVE NOT BEEN INDEPENDENTLY VERIFIED BY RUSHING.

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	RC	LC	RR	FINAL AS-BUILT

DESIGNED BY: T. TRAN
DRAWN BY: S. TUTHILL
CHECKED BY: T. GOEGLEIN
APPROVED BY: R. RUSHING

RUSHING Engineering - Essentials - Delivery
SUBMITTED BY: SARA ROBERTS

HENSEL PHELPS Plan. Build. Manage.
kpff
DATE: 10/26/2022
REVIEWED BY: GREG SHIMIZU

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT
DATE: 10/26/2022

SCALE: NTS
FILENAME: S317-F1592-P_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
MECHANICAL
PLUMBING
GENERAL NOTES, SYMBOLS, LEGEND & ABBREVIATIONS

DRAWING No.: F1592-MZN001
FACILITY ID: F1592
SHEET No.: 454
REV.: 0

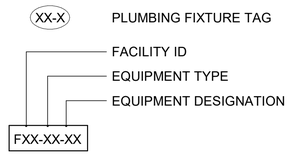
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ABBREVIATIONS

ADV	ACTUATED DRAIN VALVE
AI	ANALOG INPUT
AO	ANALOG OUTPUT
B/O	BOTTOM OF OPENING
CD	CONDENSATE DRAIN
CF	CUBIC FEET
CO	CLEANOUT
CONT	CONTINUATION
CU	CONDENSING UNIT
DCBFP	DOUBLE CHECK BACKFLOW PREVENTER
DCVA	DOUBLE CHECK VALVE ASSEMBLY
DCW	DOMESTIC COLD WATER
DEF	DEFLECTION
DHW	DOMESTIC HOT WATER
DHWR	DOMESTIC HOT WATER RECIRCULATION
DI	DIGITAL INPUT/DUCTILE IRON
DO	DIGITAL OUTPUT
DRV	DRAIN VALVE
ELEV	ELEVATION
ENT	ENTERING
EWH	ELECTRIC WATER HEATER
EWS	EYEWASH STATION
F	FIRE
°F	FAHRENHEIT
FCO	FLOOR CLEANOUT
FLA	FULL LOAD AMPS
FS	FLOOR SINK
FT	FEET
GCO	GRADE CLEANOUT
GD	GARAGE DRAINAGE
HP	HORSEPOWER/HEAT PUMP
HTCC	HEAT TAPE CIRCUIT CONTROLLER
HW	HOT WATER
INT	INTERNAL
INV	INVERT
ID	INDIRECT WASTE/INSIDE DIAMETER
IRR	IRRIGATION
LF	LINEAR FEET/FOOT
LVG	LEAVING
MFR	MANUFACTURER
MS	MOP SINK
(N)	NEW
NPCW	NON POTABLE DOMESTIC COLD WATER
NZ	NOZZLE
OPER	OPERATING
ORL	OVERFLOW RAINWATER LEADER
OW	OIL WASTE
OWS	OIL WATER SEPARATOR
PA	PRE ACTION SPRINKLER CONTROL VALVE
PD	PRESSURE DROP/PUMPED DISCHARGE
PR	PRESSURE
PRV	PRESSURE REDUCING/RELIEF VALVE
PSI	POUNDS PER SQUARE INCH
PW	PUMPED WASTE
QTY	QUANTITY
RD	ROOF DRAIN/REFRIGERANT DISCHARGE
RL	RAINWATER LEADER/REFRIGERANT LIQUID
RS	REFRIGERANT SUCTION
SOV	SHUT OFF VALVE
SQFT	SQUARE FEET
SS	SANITARY SEWER/STAINL…
ST	STORM
TD	TRENCH DRAIN
T/LR	TOP OF LOW RAIL
TUN	T…
TP	
UR	U…
V	VO…
VEL	VEL…
VOL	VOL…
VRV	VACU…
VS	VIBRA…
VTR	VENT T… ROOF
W	WATT
WHA	WATER H… RRESTOR

SYMBOLS & LEGEND

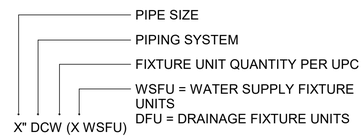
PLUMBING EQUIPMENT TAG LEGEND



NOTE:

EQUIPMENT NAMES ARE NOT SHOWN WITH FACILITY ID FOR CLARITY, ALL EQUIPMENT STARTS WITH "592-". PROVIDE FACILITY ID PREFIX ON ALL EQUIPMENT LABELS IN THE FIELD.

PLUMBING SIZING LEGEND



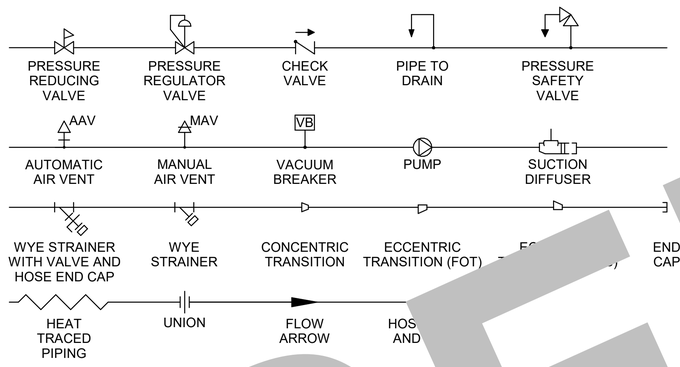
PIPING SYSTEMS

DCW	DOMESTIC COLD WATER
DHW	DOMESTIC HOT WATER
DHWR	DOMESTIC HOT WATER RE…
GD	GARAGE DRAINAGE
SS	SANITARY SEWER
PW	PUMPED WASTE
V	…
ST	…M
RL	…NWATER LEADER
ORL	OVERFLOW RAINWATER LEADER
NPC…	NON POTABLE DCW (LABEL PER 2015 UPC 601.2)

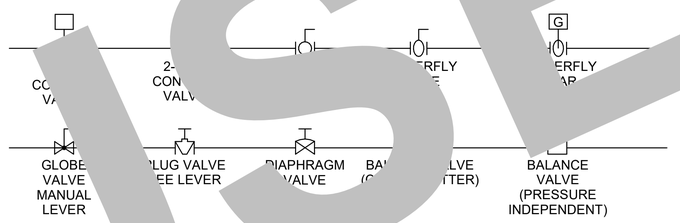
PIPE F…

	TEE UP
	TEE DOWN
	WYE / DOUBLE WY… …E/WYE)
	…0° ELBOW
	…° ELBOW
	…OSS
	TEE
	ELBOW DOWN
	ELBOW UP

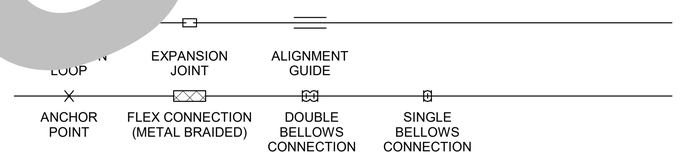
SPECIALTY ITEMS



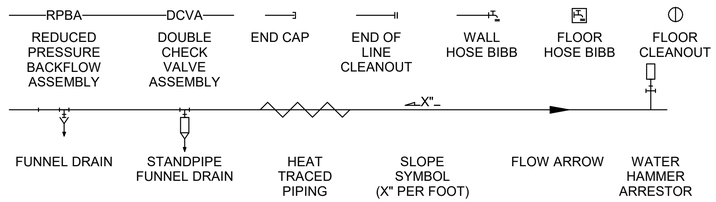
…RAL VALVE…



EXPANSION



GENERAL PLUMBING



FLOOR DRAIN
FLOOR SINK
ROOF DRAIN/DECK DRAIN
ROOF OVERFLOW DRAIN
POINT OF CONNECTION

APPLICABLE CODES

CITY OF PUYALLUP

A. INTERNATIONAL BUILDING CODE (IBC), 2015 EDITION, AS AMENDED BY THE STATE OF WASHINGTON AND CITY OF PUYALLUP.

B. UNIFORM PLUMBING CODE, 2015 EDITION WITH WASHINGTON STATE AND CITY OF PUYALLUP AMENDMENTS.

C. …N STATE ENERGY CODE, 2015 EDITION.

…ERAL NOTES

DRAWING GEN… …TES:

1. ABBREVIATIONS … …BOLS SHOWN HERE MAY INCLUDE ITEMS T… …NOT PART OF THIS CONTRACT.

…LUMBING GENER… …ES:

2. …LL DRAWINGS AR… …AMMATIC. CONTRACTOR …HALL CHECK AN… …ALL DIMENSIONS AND JOB …NDITIONS … …D.

3. …TR… …PERFORM ALL CUTTING AND …E STRUCTURE AS REQUIRED.

4. …CONTRACTOR SHALL AVOID ALL INTERFERENCE …EEN EQUIPMENT, PIPING, ELECTRICAL FIXTURES …ND OTHER WORK DISCIPLINES AS APPLICABLE.

5. ALL WORK SHALL BE PERFORMED IN A WORKMANLIKE MANNER EXECUTED IN ACCORDANCE WITH THE BEST ACCEPTED TRADES PRACTICES.

6. ALL OPENINGS FOR PIPES GOING THROUGH WALLS, FLOORS, CEILING, ETC. MUST HAVE A PIPE SLEEVE WHERE THE ANNULUS OUTSIDE THE SLEEVE SHALL HAVE THE SAME FIRE RATING AT THE WALL OR FLOOR.

7. THE CONTRACTOR SHALL FURNISH AND INSTALL ALL NECESSARY PIPES, FITTINGS, BOLTS, WASHERS, NUTS, SCREWS, ANCHOR STRAPS, HANGERS, SUPPORTS, GUIDES AND CLAMPS REQUIRED AND AS DIRECTED BY THE ENGINEER.

8. ALL WATER PIPING SHALL BE TESTED PER SPECIFICATIONS BEFORE BEING INSULATED.

9. PROVIDE 3/4" DRAIN VALVES WITH HOSE FITTINGS AT ALL LOW POINTS OF HOT AND COLD WATER PIPING.

10. ALL HORIZONTAL WASTE LINES SHALL BE AT A MINIMUM SLOPE OF 1/4" PER FOOT UNLESS OTHERWISE NOTED ON PLANS.

11. PROVDE FLOOR DRAINS IN ALL ROOMS INDICATED EXCEPT ROOMS WITH CLEAN AGENT FIRE SUPPRESSION SYSTEMS.

12. ALL FLOORS SHALL BE SLOPED TO FLOOR DRAINS. LOCATION OF FLOOR DRAINS ARE DIAGRAMMATIC AND SHALL BE COORDINATED BY THE CONTRACTOR.

13. DOMESTIC WATER PIPING SHALL BE DRAINED DOWN SEASONALLY TO PROTECT FROM FREEZING. REFER TO DOMESTIC WATER RISER DIAGRAMS AND PLANS FOR SYSTEM EQUIPMENT AND DRAIN POINTS.

14. ALL FLOOR DRAINS AND CLEANOUTS IN PUBLIC AREAS SHALL HAVE BRUSHED STAINLESS STEEL FINISH.

15. ALL PIPING BENEATH STRUCTURAL ELEMENTS SHALL BE PROVIDED WITH DUCTILE IRON SLEEVES TWO PIPE SIZES LARGER THAN THE SERVICE PIPE.

16. SEISMIC EXPANSION LOOPS SHALL BE PROVIDED WHERE PIPING CROSSES BUILDING EXPANSION JOINTS.

17. PIPE INSTALLATION ON LEVEL 1 SHALL NOT ENCROACH ON DRIVE ISLE HEIGHTS, MINIMUM 7'-3.

DESIGN RECORD DRAWING UPDATES ARE BASED ON CONTRACTOR'S REDLINES. THE ITEMS AS SHOWN HAVE NOT BEEN INDEPENDENTLY VERIFIED BY RUSHING.

NOT USED

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	RC	LC	RR	FINAL AS-BUILT

DESIGNED BY: T. TRAN
DRAWN BY: S. TUTHILL
CHECKED BY: T. GOEGLEIN
APPROVED BY: R. RUSHING

RUSHING Engineering - Essentials - Delivery
SUBMITTED BY: SARA ROBERTS

HENSEL PHELPS Plan. Build. Manage.
kpff
DATE: 10/26/2022
REVIEWED BY: GREG SHIMIZU

LINE IS 1" AT FULL SCALE

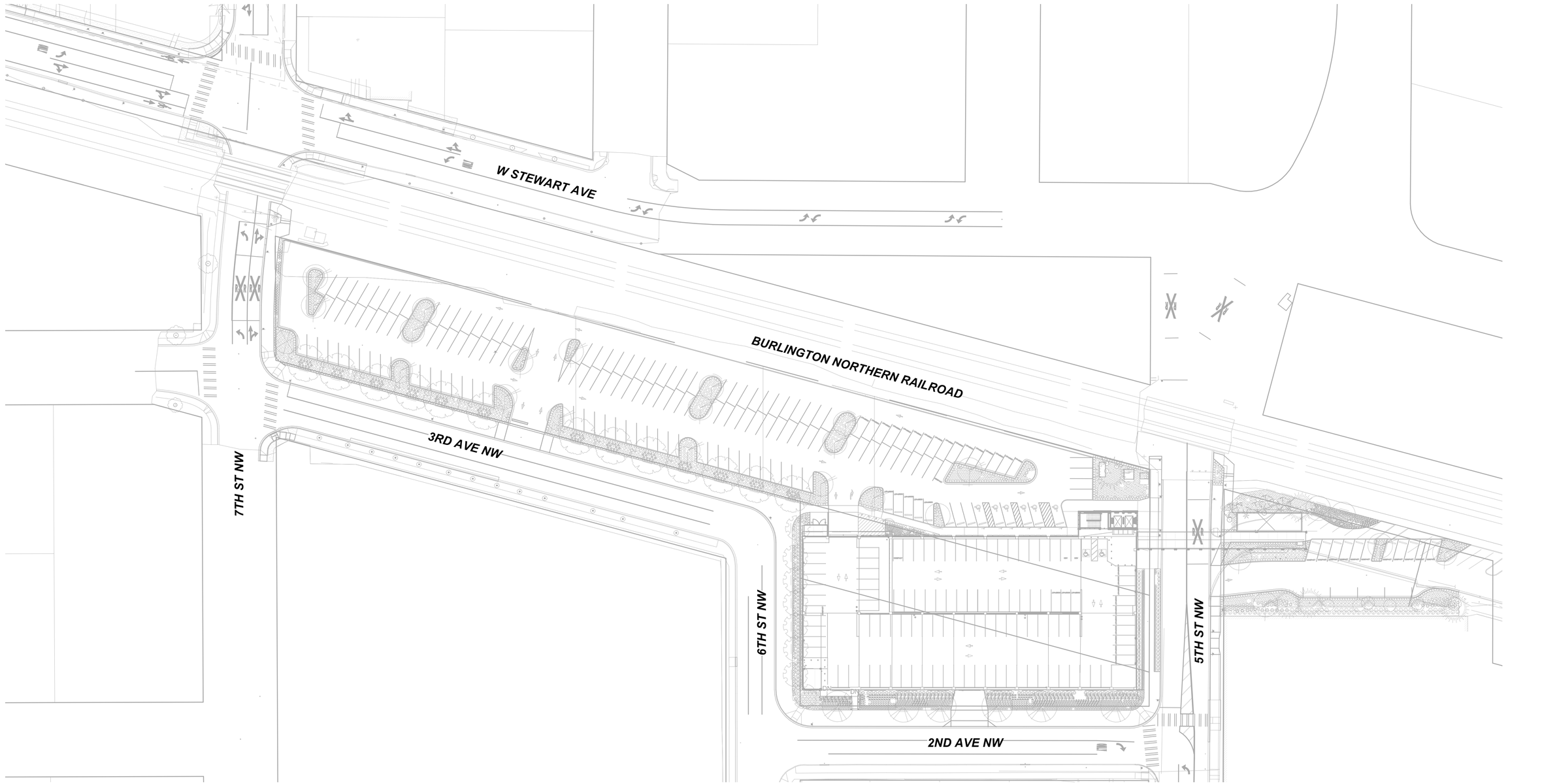
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DATE: 10/26/2022

SCALE: NTS
FILENAME: S317-F1592-P_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS

DRAWING No.: F1592-MZN002
FACILITY ID: F1592
SHEET No.: 455
REV.: 0

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N

40' 20' 0 40' 80'

SCALE IN FEET

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FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	RC	LC	RR	FINAL AS-BUILT

DESIGNED BY: T. TRAN
DRAWN BY: S. TUTHILL
CHECKED BY: T. GOEGLEIN
APPROVED BY: R. RUSHING

RUSHING Engineering - Essentials - Delivery
SUBMITTED BY: SARA ROBERTS
DATE: 10/26/2022

HENSEL PHELPS Plan. Build. Manage.
kpff
REVIEWED BY: GREG SHIMIZU
DATE: 10/26/2022

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT

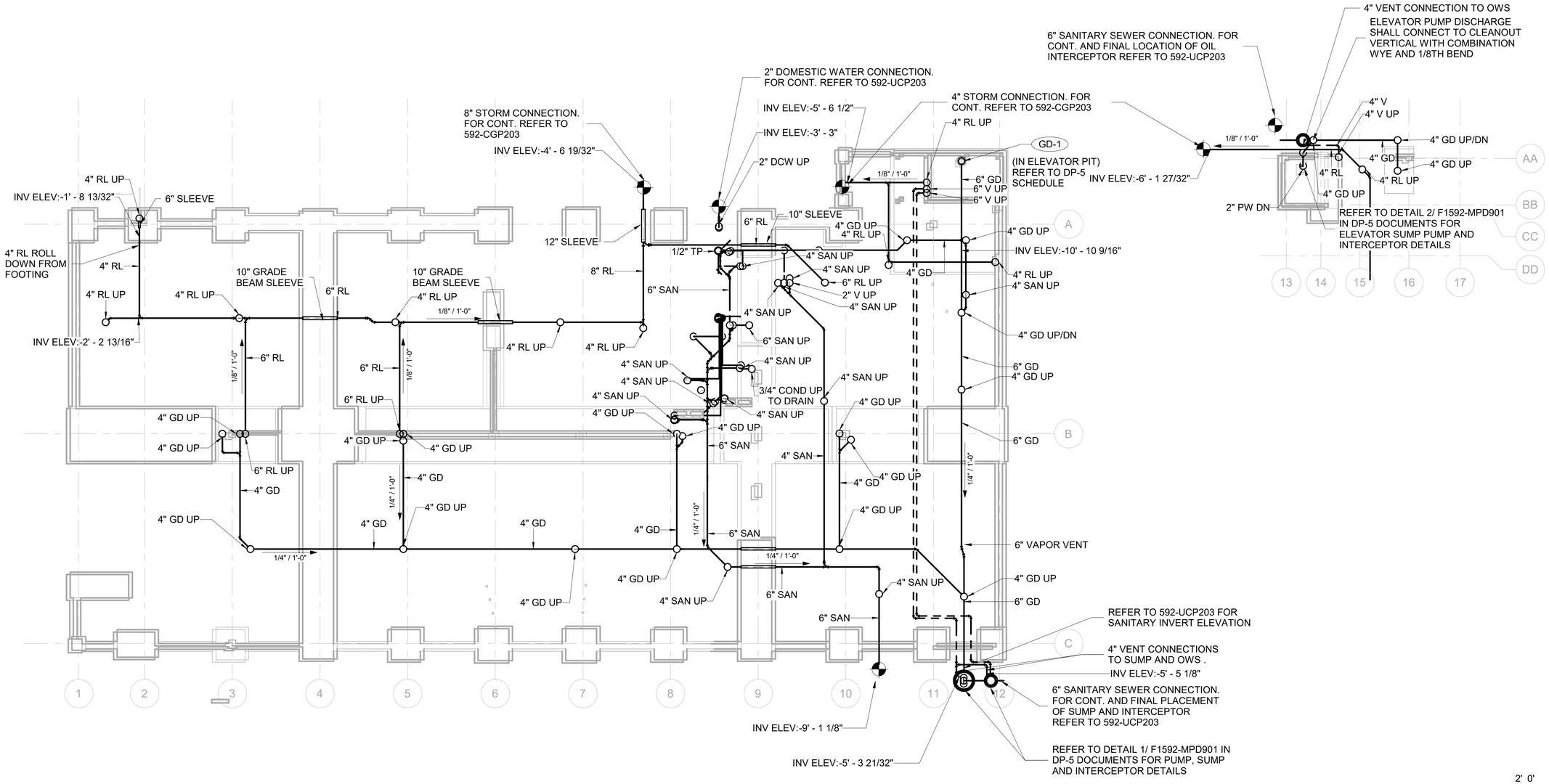
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CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS

MECHANICAL
PLUMBING
SITE PLAN

DRAWING No.: F1592-MSP001
FACILITY ID: F1592
SHEET No.: 456
REV.: 0

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FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	RC	LC	RR	FINAL AS-BUILT

DESIGNED BY: T. TRAN
DRAWN BY: S. TUTHILL
CHECKED BY: T. GOEGLEIN
APPROVED BY: R. RUSHING

RUSHING Engineering - Essentials - Delivery
SUBMITTED BY: SARA ROBERTS

HENSEL PHELPS Plan. Build. Manage.
kpff
DATE: 10/26/2022
REVIEWED BY: GREG SHIMIZU

LINE IS 1" AT FULL SCALE

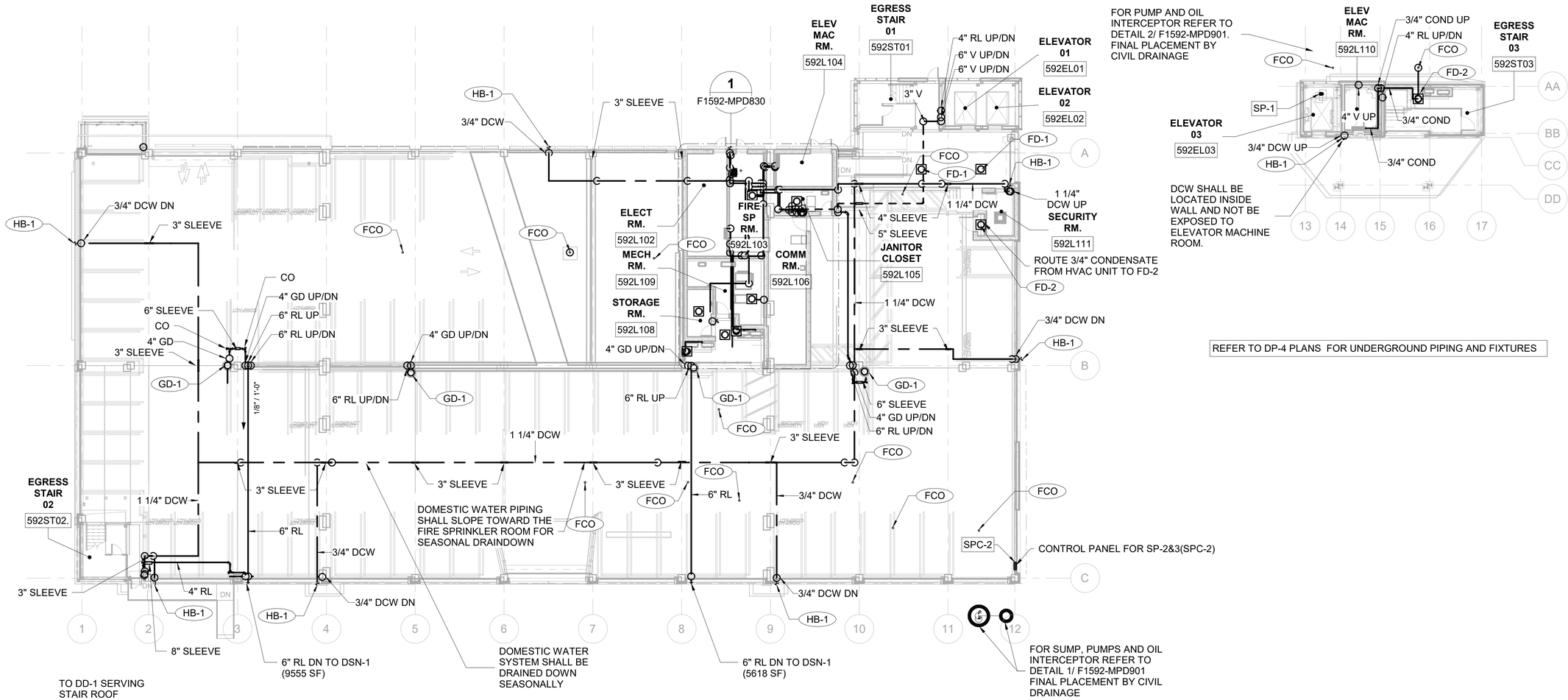
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DATE: 10/26/2022

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FILENAME: S317-F1592-P_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
MECHANICAL
PLUMBING PLAN
FOUNDATION LEVEL - OVERALL

DRAWING No.: F1592-MPP100
FACILITY ID: F1592
SHEET No.: 457
REV: 0

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No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	RC	LC	RR	FINAL AS-BUILT

DESIGNED BY: T. TRAN
DRAWN BY: S. TUTHILL
CHECKED BY: T. GOEGLEIN
APPROVED BY: R. RUSHING

RUSHING Engineering - Essentials - Delivery
SUBMITTED BY: SARA ROBERTS

HENSEL PHELPS Plan. Build. Manage.
kpff
DATE: 10/26/2022
REVIEWED BY: GREG SHIMIZU

LINE IS 1" AT FULL SCALE

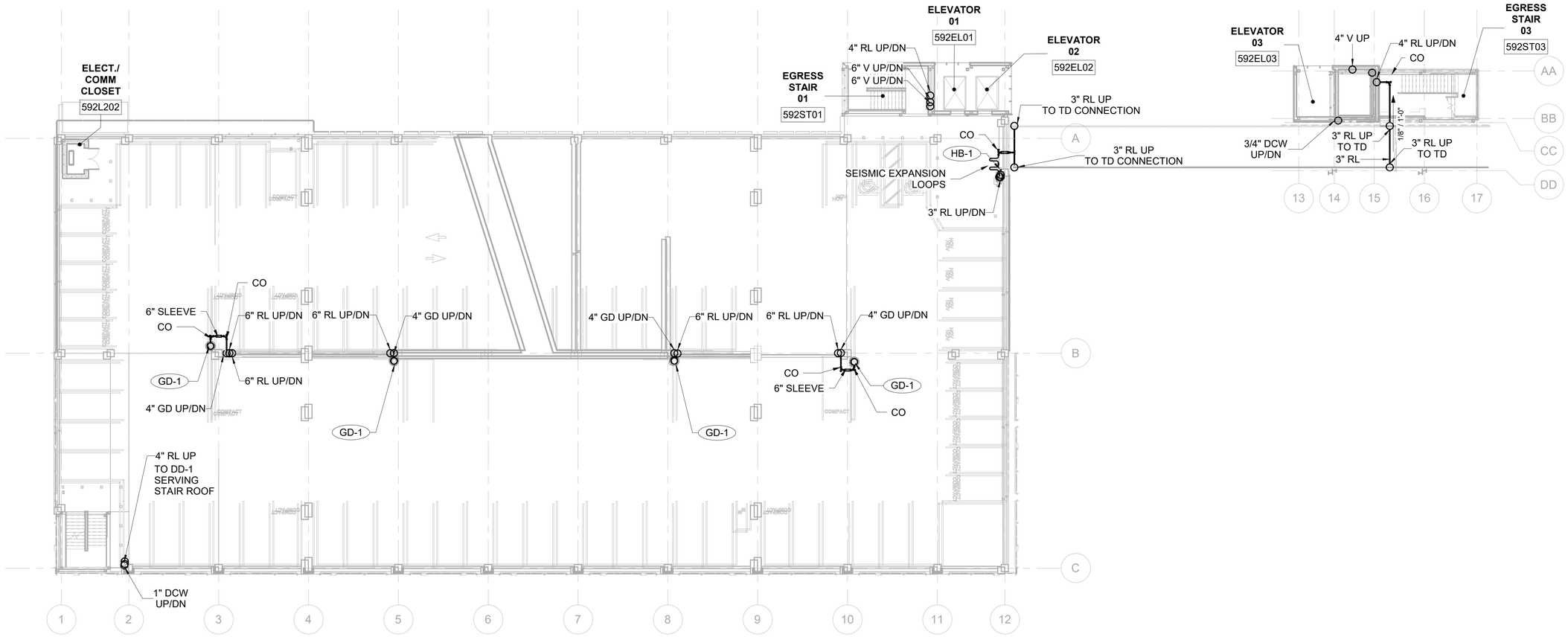
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DATE: 10/26/2022

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CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
MECHANICAL
PLUMBING PLAN
LEVEL 1 - OVERALL

DRAWING No.: F1592-MPP101
FACILITY ID: F1592
SHEET No: 458
REV: 0

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N

2' 0' 8' 16' 32'

SCALE IN FEET

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0	10/26/2022	RC	LC	RR	FINAL AS-BUILT

DESIGNED BY: T. TRAN
DRAWN BY: S. TUTHILL
CHECKED BY: T. GOEGLEIN
APPROVED BY: R. RUSHING

RUSHING Engineering - Essentials - Delivery
SUBMITTED BY: SARA ROBERTS

HENSEL PHELPS Plan. Build. Manage.
kpff
DATE: 10/26/2022
REVIEWED BY: GREG SHIMIZU

LINE IS 1" AT FULL SCALE

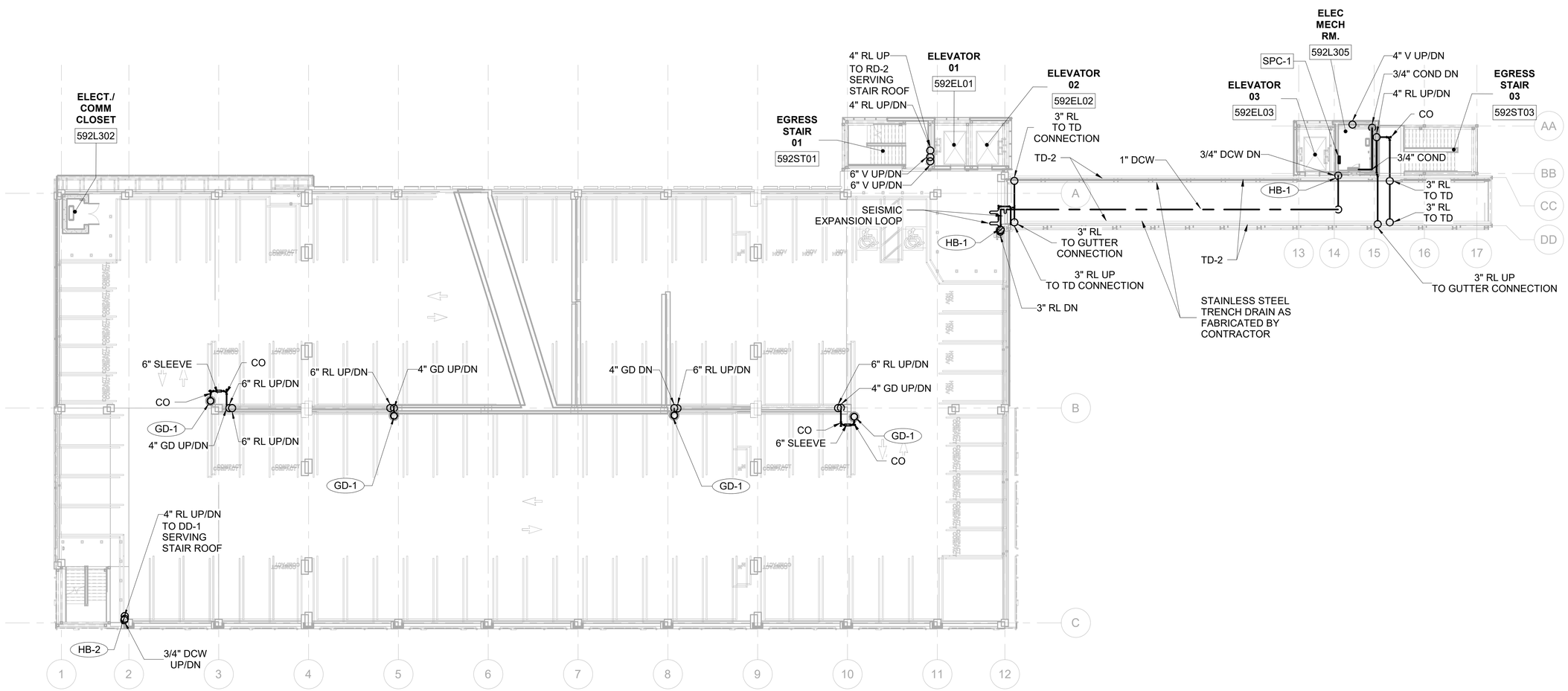
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DATE: 10/26/2022

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CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
MECHANICAL
PLUMBING PLAN
LEVEL 2 - OVERALL

DRAWING No.: F1592-MPP201
FACILITY ID: F1592
SHEET No.: 459
REV.: 0

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N

2' 0' 8' 16' 32'

SCALE IN FEET

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FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	RC	LC	RR	FINAL AS-BUILT

DESIGNED BY: T. TRAN
DRAWN BY: S. TUTHILL
CHECKED BY: T. GOEGLEIN
APPROVED BY: R. RUSHING

RUSHING Engineering - Essentials - Delivery

HENSEL PHELPS Plan. Build. Manage.

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LINE IS 1" AT FULL SCALE

SOUNDTRANSIT

SUBMITTED BY: SARA ROBERTS
DATE: 10/26/2022
REVIEWED BY: GREG SHIMIZU
DATE: 10/26/2022

SCALE: 1/16" = 1'-0"
FILENAME: S317-F1592-P_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING

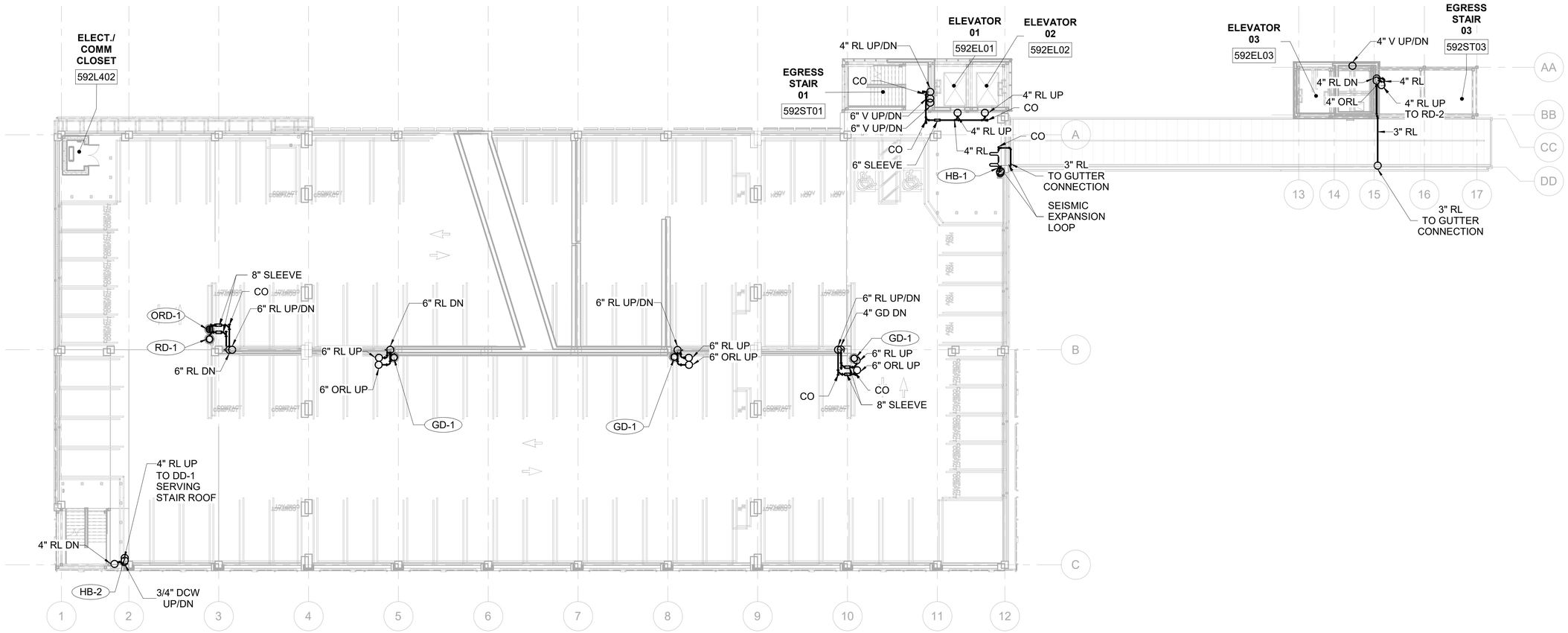
CONTRACT RTA/CN 0612-18

PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS

MECHANICAL
PLUMBING PLAN
LEVEL 3 - OVERALL

DRAWING No.: F1592-MPP301
FACILITY ID: F1592
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N

2' 0' 8' 16' 32'

SCALE IN FEET

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No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	RC	LC	RR	FINAL AS-BUILT

DESIGNED BY: T. TRAN
DRAWN BY: S. TUTHILL
CHECKED BY: T. GOEGLEIN
APPROVED BY: R. RUSHING

RUSHING
Engineering - Essentials - Delivery

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kpff

SUBMITTED BY: SARA ROBERTS
DATE: 10/26/2022
REVIEWED BY: GREG SHIMIZU
DATE: 10/26/2022

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT

SCALE: 1/16" = 1'-0"
FILENAME: S317-F1592-P_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS

MECHANICAL
PLUMBING PLAN
LEVEL 4 - OVERALL

DRAWING No.: F1592-MPP401
FACILITY ID: F1592
SHEET No.: 461
REV.: 0

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N

2' 0' 8' 16' 32'

SCALE IN FEET

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No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	RC	LC	RR	FINAL AS-BUILT

DESIGNED BY: T. TRAN
DRAWN BY: S. TUTHILL
CHECKED BY: T. GOEGLEIN
APPROVED BY: R. RUSHING

RUSHING Engineering - Essentials - Delivery
SUBMITTED BY: SARA ROBERTS

HENSEL PHELPS Plan. Build. Manage.
kpff
DATE: 10/26/2022
REVIEWED BY: GREG SHIMIZU

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT
DATE: 10/26/2022

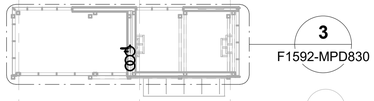
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CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS

MECHANICAL
PLUMBING PLAN
LEVEL 5 - OVERALL

DRAWING No.: F1592-MPP501
FACILITY ID: F1592
SHEET No.: 462
REV: 0

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3
F1592-MPD830

A

B

C

1 2 3 4 5 6 7 8 9 10 11 12

N

2' 0' 8' 16' 32'

SCALE IN FEET

DESIGN RECORD DRAWING UPDATES ARE BASED ON CONTRACTOR'S REDLINES. THE ITEMS AS SHOWN HAVE NOT BEEN INDEPENDENTLY VERIFIED BY RUSHING.

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	RC	LC	RR	FINAL AS-BUILT

DESIGNED BY: T. TRAN
DRAWN BY: S. TUTHILL
CHECKED BY: T. GOEGLEIN
APPROVED BY: R. RUSHING

RUSHING Engineering - Essentials - Delivery
SUBMITTED BY: SARA ROBERTS
DATE: 10/26/2022

HENSEL PHELPS Plan. Build. Manage.
kpff
REVIEWED BY: GREG SHIMIZU
DATE: 10/26/2022

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT

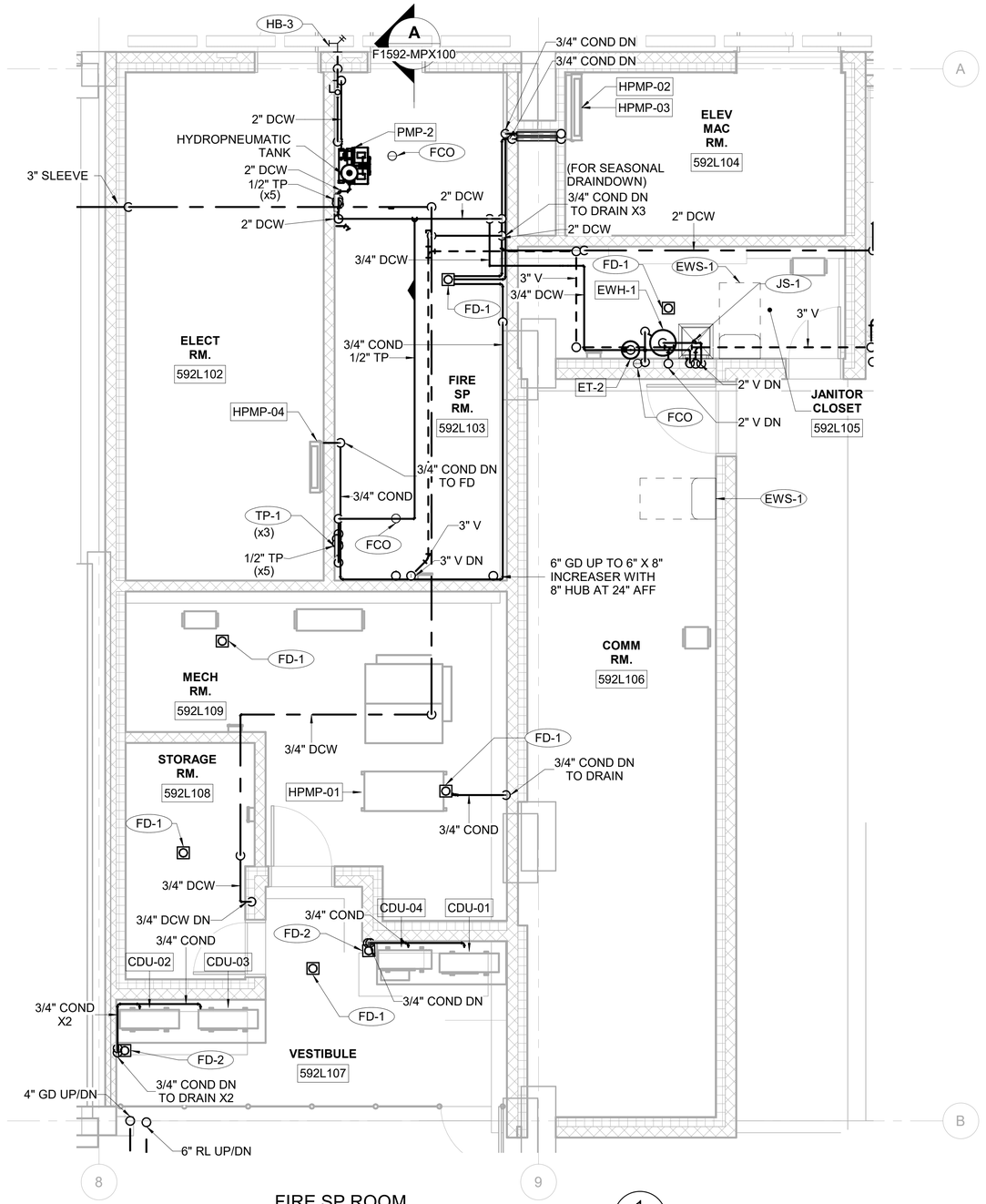
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CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS

MECHANICAL
PLUMBING PLAN
ROOF LEVEL - OVERALL

DRAWING No.: F1592-MPP601
FACILITY ID: F1592
SHEET No: 463
REV: 0

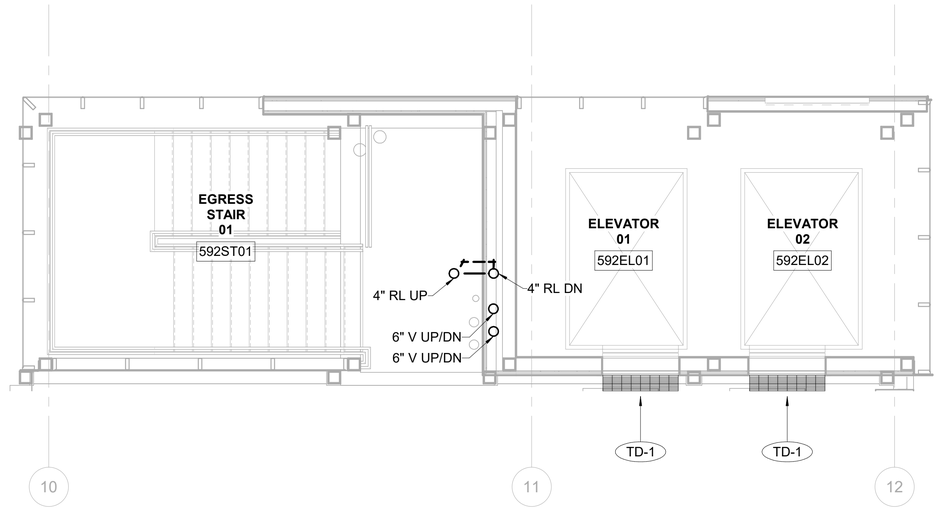
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C:\Users\shawnt\OneDrive - Rushing\Documents\Revit User Files\2020 Revit\S317-F1592-P-v2020_shawn.tuthill.rvt



FIRE SP ROOM

SCALE: 1/4" = 1'-0"

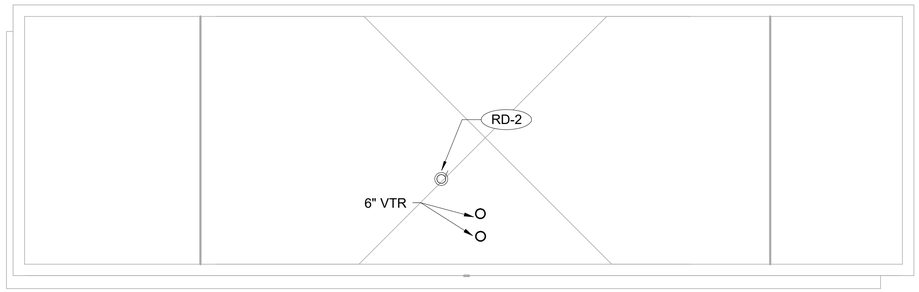
1 F1592-MPP101



LEVEL 5 ELEVATOR AND STAIRS

SCALE: 1/4" = 1'-0"

2 F1592-MPP501



ELEVATOR ROOF

SCALE: 1/4" = 1'-0"

3 F1592-MPP601

N

1' 0 2' 4' 8'

SCALE IN FEET

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FINAL AS-BUILT

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0	10/26/2022	RC	LC	RR	FINAL AS-BUILT

DESIGNED BY: T. TRAN
DRAWN BY: S. TUTHILL
CHECKED BY: T. GOEGLEIN
APPROVED BY: R. RUSHING

RUSHING Engineering - Essentials - Delivery
HENSEL PHELPS Plan. Build. Manage.
kpff
SOUNDTRANSIT

LINE IS 1" AT FULL SCALE

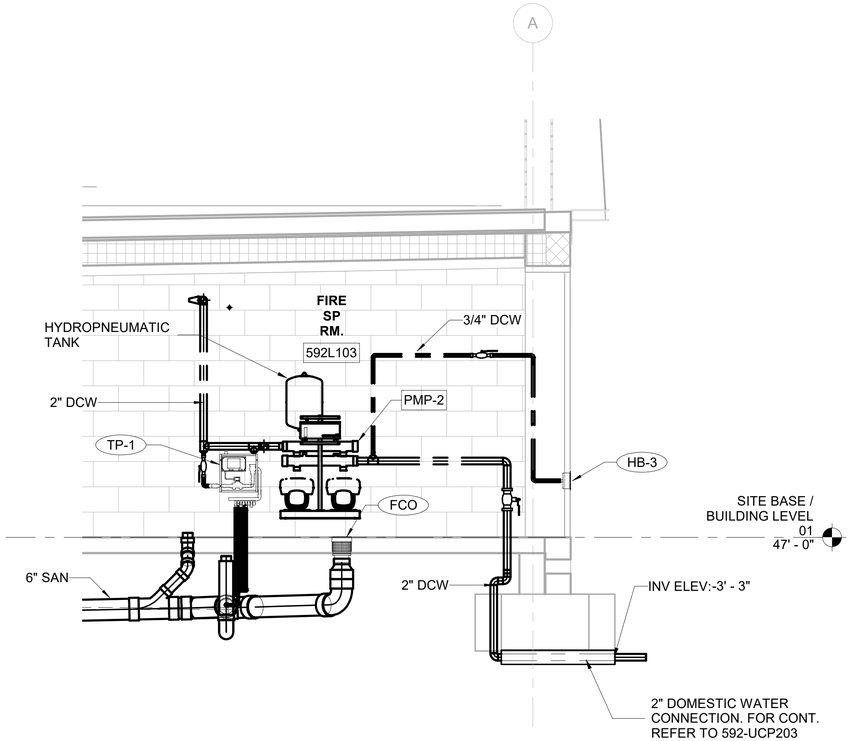
SUBMITTED BY: SARA ROBERTS
DATE: 10/26/2022
REVIEWED BY: GREG SHIMIZU
DATE: 10/26/2022

SCALE: 1/4" = 1'-0"
FILENAME: S317-F1592-P_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
MECHANICAL
PLUMBING
ENLARGED PLANS

DRAWING No.: F1592-MPD830
FACILITY ID: F1592
SHEET No.: 464
REV.: 0

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DOMESTIC WATER ENTRY AND PUMP ROOM SECTION

SCALE: 1/2" = 1'-0"

A
F1592-MPD830

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FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	RC	LC	RR	FINAL AS-BUILT

DESIGNED BY: T. TRAN
DRAWN BY: S. TUTHILL
CHECKED BY: T. GOEGLEIN
APPROVED BY: R. RUSHING

RUSHING
Engineering - Essentials - Delivery

HENSEL PHELPS
Plan. Build. Manage.
kpff

SUBMITTED BY: SARA ROBERTS
DATE: 10/26/2022
REVIEWED BY: GREG SHIMIZU
DATE: 10/26/2022

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT

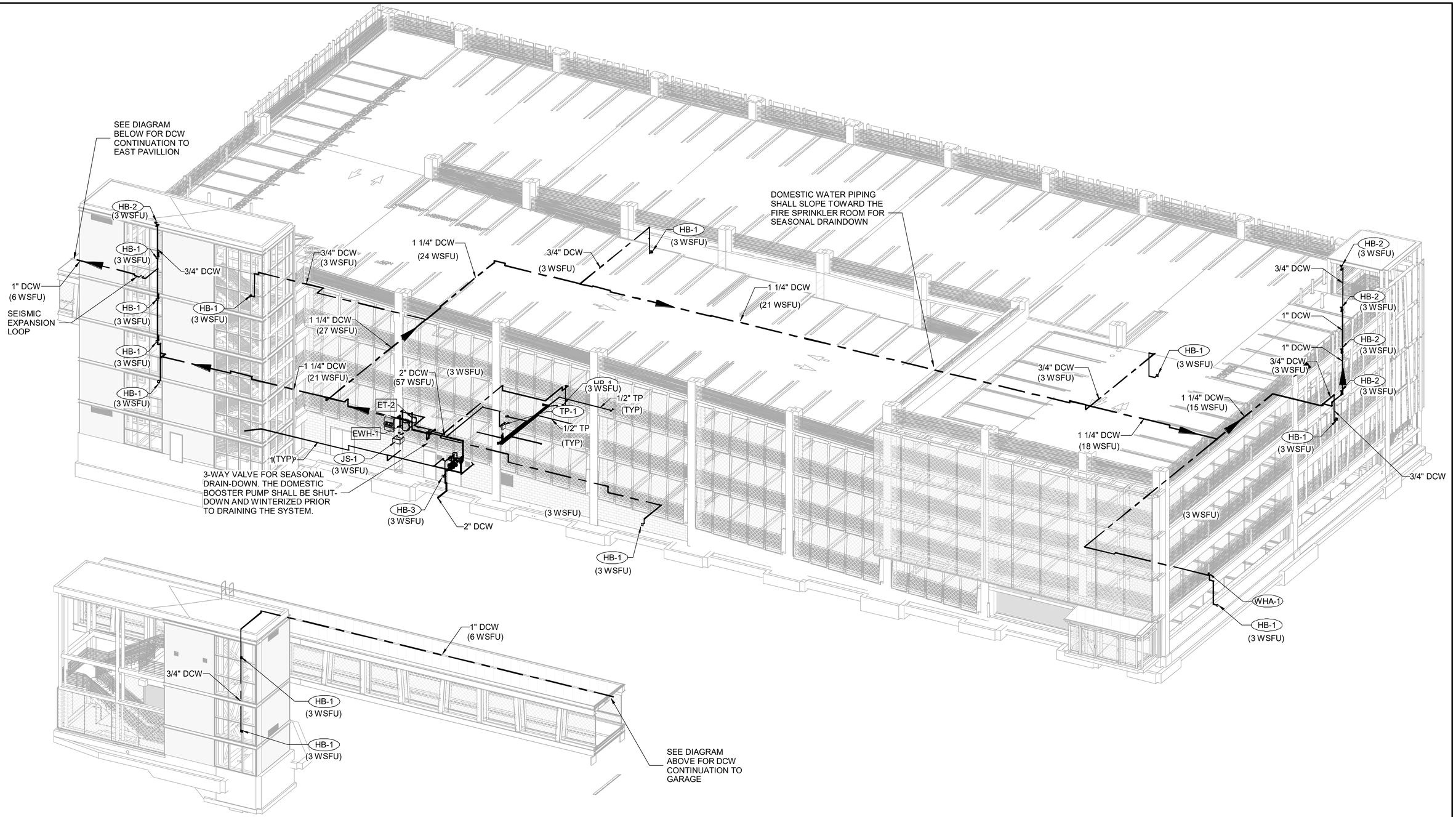
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FILENAME: S317-F1592-P_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS

MECHANICAL
PLUMBING
SECTIONS

DRAWING No.: F1592-MPX100
FACILITY ID: F1592
SHEET No.: 465
REV.: 0

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0	10/26/2022	RC	LC	RR	FINAL AS-BUILT

DESIGNED BY: T. TRAN
DRAWN BY: S. TUTHILL
CHECKED BY: T. GOEGLEIN
APPROVED BY: R. RUSHING

RUSHING Engineering - Essentials - Delivery
SUBMITTED BY: SARA ROBERTS
DATE: 10/26/2022

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DATE: 10/26/2022

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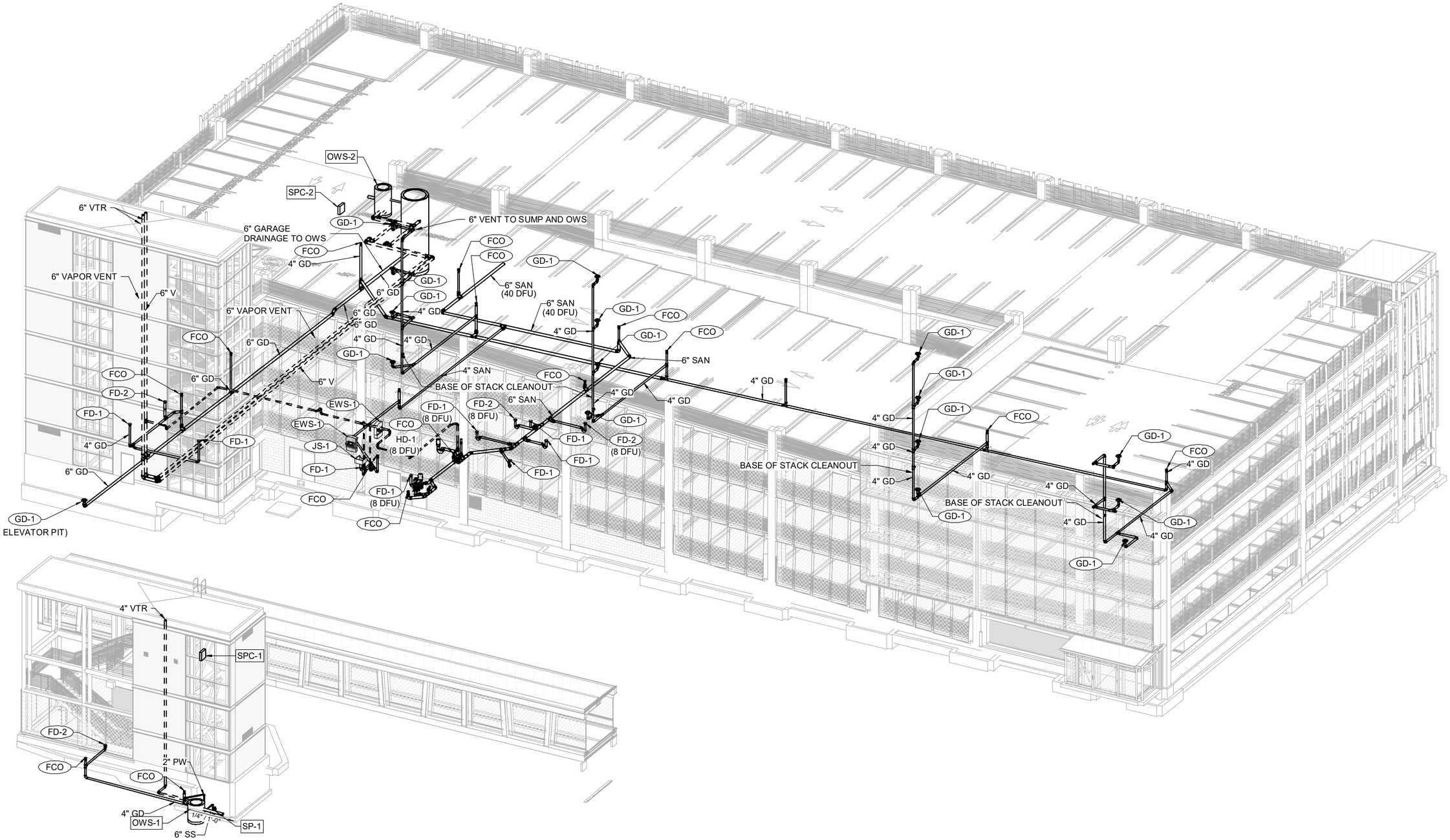
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SUBMITTAL DATE: 10/26/2022

SCALE: NTS
FILENAME: S317-F1592-P_v2020
CONTRACT No.: RTA/CN 0612-18

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
MECHANICAL
PLUMBING
DOMESTIC WATER RISER DIAGRAM

DRAWING No.: F1592-MPS930
FACILITY ID: F1592
SHEET No: 466
REV: 0

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No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	RC	LC	RR	FINAL AS-BUILT

DESIGNED BY: T. TRAN
DRAWN BY: S. TUTHILL
CHECKED BY: T. GOEGLEIN
APPROVED BY: R. RUSHING

RUSHING Engineering - Essentials - Delivery
SUBMITTED BY: SARA ROBERTS
DATE: 10/26/2022

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REVIEWED BY: GREG SHIMIZU
DATE: 10/26/2022

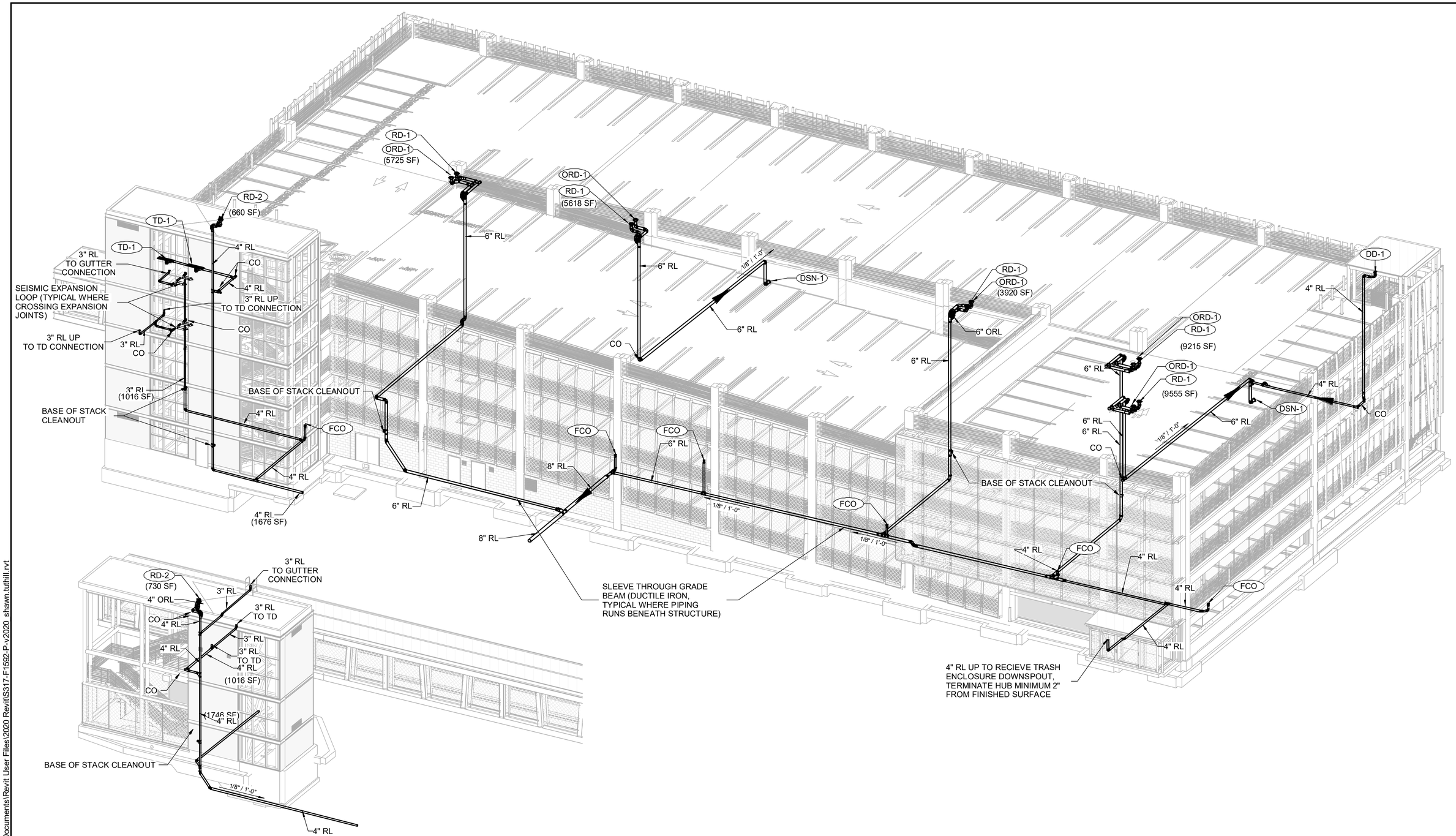
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SOUNDTRANSIT
SCALE: NTS
FILENAME: S317-F1592-P_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
MECHANICAL
PLUMBING
SANITARY WASTE AND VENT RISER DIAGRAM

DRAWING No.: F1592-MPS931
FACILITY ID: F1592
SHEET No.: 467
REV.: 0

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FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	RC	LC	RR	FINAL AS-BUILT

DESIGNED BY: T. TRAN
DRAWN BY: S. TUTHILL
CHECKED BY: T. GOEGLEIN
APPROVED BY: R. RUSHING

RUSHING Engineering - Essentials - Delivery
SUBMITTED BY: SARA ROBERTS
DATE: 10/26/2022

HENSEL PHELPS Plan. Build. Manage.
kpff
REVIEWED BY: GREG SHIMIZU
DATE: 10/26/2022

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT
SCALE: NTS
FILENAME: S317-F1592-P_v2020
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SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
MECHANICAL
PLUMBING
STORM WATER RISER DIAGRAM

DRAWING No.: F1592-MPS932
FACILITY ID: F1592
SHEET No.: 468
REV.: 0

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SOUND TRANSIT - PUYALLUP STATION GARAGE - PLUMBING

SEQUENCE OF OPERATIONS INTRODUCTION:

THE SEQUENCE OF OPERATIONS AS FOLLOWS IS A SCHEMATIC OUTLINE OF OPERATIONAL REQUIREMENTS. THE DESCRIPTION IS NOT A STRICT PROGRAMMING GUIDE. THE CONTROLS CONTRACTOR (CC) IS RESPONSIBLE FOR THE FUNCTION OF THE SYSTEM AND ALL PROGRAMMING REQUIRED FOR ACHIEVING THE SYSTEM OPERATION AS GENERALLY OUTLINED IN THE SEQUENCE OF OPERATIONS. THE DDC WILL PERFORM ALL CONTROL STRATEGIES AS OUTLINED UNLESS NOTED OTHERWISE. THE DDC SYSTEM SHALL INTERFACE WITH THE BACNET PLATFORM AND REPORT BACK TO ST.

MONITORED POINTS:

A LIST OF DDC MONITORED POINTS IS PROVIDED BY SYSTEMS (SEE DRAWING F1592-JBS970 AND F1592-JBS971) FOR EACH PIECE OF EQUIPMENT. THESE POINTS WILL BE PROVIDED FOR MONITORING, DIAGNOSTICS, AND CONTROL IN ADDITION TO ALL POINTS REQUIRED TO PERFORM THE CONTROL SEQUENCES AS WRITTEN IN THE SEQUENCE OF OPERATIONS. ALL CONTROL POINTS WILL BE AVAILABLE FOR ALARMING.

HARDWARE:

CONTROLS CONTRACTOR SHALL PROVIDE ANY REQUIRED HANDHELD DEVICES AND/OR SOFTWARE FOR PROGRAMMING CONTROLLERS AT THE ACTUAL EQUIPMENT LOCATION AND NOT AT THE DDC FRONT END. THIS INCLUDES ANY INPUT TO CONTROLLERS OR CONTROL OF CONTROLLERS REQUIRED FOR BALANCING, SETPOINT INPUT, DIAGNOSTICS, AND/OR FUNCTIONAL TESTING. THESE DEVICES ARE TO BE TURNED OVER TO THE BUILDING OWNER FACILITY GROUP AT TIME OF PROJECT COMPLETION FOR FUTURE USE.

DDC SENSORS, CONTROL VALVES, AND CONTROL DAMPERS:

THE CONTROL CONTRACTOR WILL PROVIDE ALL SENSORS AND HARDWARE DESCRIBED UNLESS NOTED OTHERWISE. SEE MECHANICAL SCHEDULES AND SCHEMATICS FOR FURTHER DETAIL. ALL SENSORS AND HARDWARE ARE TO BE INTENDED FOR THE APPLICATION THAT THEY WILL SERVE AND ARE TO BE OF INDUSTRY STANDARD QUALITY FOR THE APPLICATION.

SUBMITTALS:

THE FOLLOWING WILL BE SUBMITTED BY THE CONTROLS CONTRACTOR TO THE RESIDENT ENGINEER PRIOR TO CONTROLS AND PROGRAMMING INSTALLATION:

A. CONTROL SYSTEM DRAWING PACKAGE. DRAWING PACKAGE TO CONSIST OF:
- SYSTEM SCHEMATIC DIAGRAMS
- CONTROLLER WIRING DIAGRAMS
- FLOORPLAN DRAWINGS THAT SHOW ALL CONTROL DEVICES THAT REQUIRE COORDINATION WITH OTHER TRADES. FOR EXAMPLE: ROOM TEMPERATURE SENSORS, DUCT STATIC PRESSURE SENSORS, CO2 SENSORS, CO SENSORS, ETC.

B. CONTROL SYSTEM EQUIPMENT AND DEVICE SUBMITTALS.
C. PROPOSED MODIFICATIONS TO THE ORIGINAL RESIDENT ENGINEER SEQUENCE OF OPERATIONS.
D. PROPOSED GRAPHICS LIST.
E. A PROPOSED POINTS LISTING IDENTIFYING ALARM AND TRENDING CONFIGURATIONS.
F. A POINTS LIST PROPOSED FOR A MINIMUM 168 HOUR TRENDING UPON PROJECT COMPLETION.

CLOSEOUT DOCUMENTATION:

REFER TO SPECIFICATION SECTION 25 60 01.

SEQUENCE MODIFICATIONS AND AS-BUILTS:

THE RESIDENT ENGINEER WILL PROVIDE AN ELECTRONIC VERSION OF THE SEQUENCE OF OPERATIONS TO THE CONTROLS CONTRACTOR. THE SEQUENCE OF OPERATIONS AS FOLLOWS WILL BE MAINTAINED AND AS-BUILT BY THE CONTROLS DESIGNER DURING CONTROLS SYSTEM DESIGN AND PROGRAMMING DEVELOPMENT. THE CONTROLS DESIGNER WILL USE THE TRACK CHANGES FEATURE IN WORD AND ELECTRONICALLY SUBMIT MODIFICATIONS TO THE RESIDENT ENGINEER SEQUENCE OF OPERATIONS FOR REVIEW AND APPROVAL. THE RESIDENT ENGINEER WILL TRACK MODIFICATIONS AND ISSUE THESE MODIFICATIONS TO THE DESIGN TEAM AS DESIGN CHANGES AS REQUIRED. UPON COMPLETION OF TRENDING AND FUNCTIONAL TESTING THE CONTROLS CONTRACTOR WILL PROVIDE A COMPLETE HARD COPY AND ELECTRONIC COPY OF ALL PROGRAMMING INCLUDING SETPOINTS.

STARTUP AND TEST & BALANCE:

THE MECHANICAL CONTRACTOR WILL REQUIRE THE INVOLVEMENT OF THE CONTROLS CONTRACTOR DURING EQUIPMENT STARTUP AND DURING TEST & BALANCE. THE MECHANICAL CONTRACTOR WILL COORDINATE WITH THE CONTROLS CONTRACTOR ALL REQUIRED INVOLVEMENT TO ENSURE TIMELY STARTUP AND TEST & BALANCE OF ALL MECHANICAL AND PLUMBING SYSTEMS. TEMPORARY CONTROL SEQUENCES AND/OR OVERRIDING OF SYSTEM COMPONENTS MAY BE REQUIRED BY THE CONTROLS CONTRACTOR. EQUIPMENT STARTUP CONTRACTOR AND/OR TEST & BALANCE CONTRACTOR WILL COORDINATE ALL SPECIAL BALANCE SETPOINTS OUTLINED IN THE SEQUENCE OF OPERATIONS, MECHANICAL DRAWINGS AND MECHANICAL SPECIFICATIONS WITH THE CONTROLS CONTRACTOR.

POINT-TO-POINT:

REFER TO SPECIFICATION SECTION 25 60 01.

COMMISSIONING:

REFER TO SPECIFICATION SECTION 25 60 01, 26 08 00, 25 80 00, AND 22 08 00.

PROGRAMMING:

REFER TO SPECIFICATION SECTION 25 60 01.

SETPOINT ADJUSTMENT:

REFER TO SPECIFICATION SECTION 25 60 01.

TRENDING:

REFER TO SPECIFICATION SECTION 25 60 01.

CODES AND PERMITS:

CONTROLS CONTRACTOR IS TO COMPLY WITH ALL APPLICABLE CODES AS REQUIRED FOR THE PROJECT.

WARRANTY:

REFER TO SPECIFICATIONS FOR WARRANTY REQUIREMENTS. WARRANTY START DATE IS DETERMINED BY DATE OF OWNER ACCEPTANCE AND ENDS TWELVE MONTHS THEREAFTER.

EQUIPMENT QUANTITY COUNTS IN DESCRIPTION OF OPERATIONS:

THE CONTROLS CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE COUNTS PER THE MECHANICAL AND PLUMBING DRAWINGS.

CONTROL SYSTEM POWER:

THE CONTROLS CONTRACTOR IS RESPONSIBLE FOR VERIFYING AND COORDINATING ALL REQUIRED POWER FOR THE DDC CONTROL SYSTEM WITH THE PROJECT ELECTRICAL ENGINEER AND/OR ELECTRICAL CONTRACTOR. CONTROLS CONTRACTOR IS TO COORDINATE THE EXACT TERMINATION LOCATIONS FOR ALL MECHANICAL AND PLUMBING MISC. POWER CIRCUITS WITH THE ELECTRICAL ENGINEER AND/OR ELECTRICAL CONTRACTOR.

ELEVATOR PIT HIGH WATER ALARM PANELS:

ELEVATOR PITS 1 AND 2

THE DDC WILL MONITOR A HIGH WATER ALARM POINT VIA THE FACTORY CONTROL PANEL AND TETHERED LEVEL CONTROL SWITCH.

IF WATER LEVEL RISES BEYOND ALARM LEVEL, HIGH WATER ALARM SWITCH WILL BE ACTIVATED. LOCAL ALARM AND ALARM AT SOUND TRANSIT WILL BE ACTIVATED.

LOCAL POINTS (REQUIRED FOR UNIT OPERATION, NO I/O FROM DDC)
- HIGH WATER ALARM SWITCH (ALARM)

DDC MONITORED POINTS ARE AS FOLLOWS:
- HIGH WATER ALARM (DI)

DDC MONITORS PUMP STATUS ONLY. DDC DOES NOT CONTROL SUMP PUMPS.

HIGH WATER ALARM FLOAT SHALL BE MOUNTED PER DETAIL 2/MPD901

SUMP PUMPS:

EAST ABUTMENT ELEVATOR SUMP PUMP SP-1

THE DDC WILL MONITOR A HIGH LEVEL ALARM POINT VIA THE FACTORY CONTROL PANEL. FACTORY CONTROL PANEL WILL CONTROL SUMP PUMP BASED ON A 3 FLOAT CONTROL SCHEME.

THE WATER LEVEL IN THE SUMP SHALL BE MAINTAINED AS FOLLOWS VIA A LOCAL CONTROLLER AND 3-FLOAT SYSTEM WITH DDC ALARM AS FOLLOWS:

FLOATS SHALL BE AS FOLLOWS:
LOW LEVEL
HIGH LEVEL PUMP ON
HIGH LEVEL ALARM

DURING NORMAL OPERATIONS: SUMP PUMPS SHALL BE READY IN THE AUTOMATIC MODE TO START AUTOMATICALLY IF THE WATER LEVEL ACTIVATES THE 'PUMP ON' FLOAT SWITCH AND SHUT OFF WHEN THE FLOAT FALLS BELOW THE REQUIRED 'PUMP ON' LEVEL.

WHEN THE LOCAL CONTROLLER RECEIVES AN INPUT FROM THE HIGH LEVEL PUMP ON FLOAT SWITCH, THE LOCAL CONTROLLER WILL START THE SUMP PUMP. PUMP WILL CONTINUE TO RUN UNTIL THE LOW LEVEL FLOAT SWITCH INDICATES THAT LOW LEVEL HAS BEEN REACHED.

IF WATER LEVEL CONTINUES TO RISE WITH PUMP OPERATING, HIGH WATER ALARM FLOAT WILL BE ACTIVATED. LOCAL ALARM AND ALARM AT SOUND TRANSIT WILL BE ACTIVATED.

LOCAL POINTS (REQUIRED FOR UNIT OPERATION, NO I/O FROM DDC)
- LEAD PUMP “ON” FLOAT (HIGH LEVEL PUMP ON)
- PUMPS “OFF” FLOAT (LOW LEVEL)
- HIGH WATER ALARM FLOAT (ALARM)

DDC MONITORED POINTS ARE AS FOLLOWS:
- HIGH WATER ALARM (DI)
- SUMMARY ALARM (DI)

SOUTH OWS SUMP PUMPS:

SANITARY SEWER: SP-2 & SP-3

THE DDC WILL MONITOR A HIGH LEVEL ALARM POINT VIA THE FACTORY CONTROL PANEL. FACTORY CONTROL PANEL WILL CONTROL SUMP PUMPS BASED ON A 4 FLOAT CONTROL SCHEME.

THE WATER LEVEL IN THE SUMP SHALL BE MAINTAINED AS FOLLOWS VIA A LOCAL CONTROLLER AND 4-FLOAT SYSTEM WITH DDC ALARM AS FOLLOWS:

FLOATS SHALL BE AS FOLLOWS:
LOW LEVEL PUMP OFF
HIGH LEVEL PUMP 1 (LEAD) ON
HIGH LEVEL PUMP 2 (LAG) ON
HIGH LEVEL ALARM

DURING NORMAL OPERATIONS: SUMP PUMPS SHALL BE READY IN THE AUTOMATIC MODE TO START AUTOMATICALLY IF THE WATER LEVEL ACTIVATES THE 'HIGH LEVEL PUMP 1 (LEAD) ON' FLOAT SWITCH AND SHUT OFF WHEN THE FLOATS FALL BELOW THE REQUIRED 'LOW LEVEL PUMP OFF' LEVEL.

WHEN THE LOCAL CONTROLLER RECEIVES AN INPUT FROM THE HIGH LEVEL PUMP 1 (LEAD) ON FLOAT SWITCH AND HIGH LEVEL PUMP 2 (LAG) ON FLOAT SWITCHES, THE LOCAL CONTROLLER WILL START THE SUMP PUMPS. PUMPS WILL CONTINUE TO RUN UNTIL THE LOW LEVEL FLOAT SWITCH INDICATES THAT LOW LEVEL HAS BEEN REACHED.

IF WATER LEVEL CONTINUES TO RISE WITH BOTH PUMPS OPERATING, HIGH WATER ALARM FLOAT WILL BE ACTIVATED. LOCAL ALARM AND ALARM AT SOUND TRANSIT WILL BE ACTIVATED.

LOCAL POINTS (REQUIRED FOR UNIT OPERATION, NO I/O FROM DDC)
- PUMP 1 “ON” FLOAT (HIGH LEVEL)
- PUMP 2 “ON” FLOAT (HIGH LEVEL)
- PUMPS “OFF” FLOAT (LOW LEVEL)
- HIGH WATER ALARM FLOAT (ALARM)

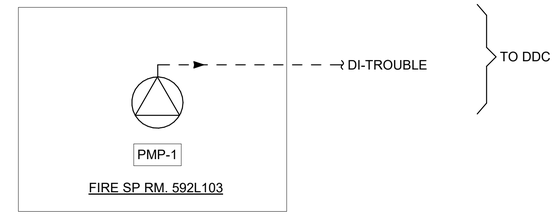
DDC MONITORED POINTS ARE AS FOLLOWS:
- HIGH WATER ALARM (DI)
- SUMMARY ALARM (DI)

OIL-WATER INTERCEPTOR:

EXTERIOR TO THE GARAGE
NO DDC INTERFACE.

OIL-WATER INTERCEPTOR WILL BE PERIODICALLY CHECKED AND CLEANED OUT BY BUILDING FACILITY STAFF ON REGULAR INTERVALS.

END OF SEQUENCE OF OPERATIONS



SEQUENCE OF OPERATION

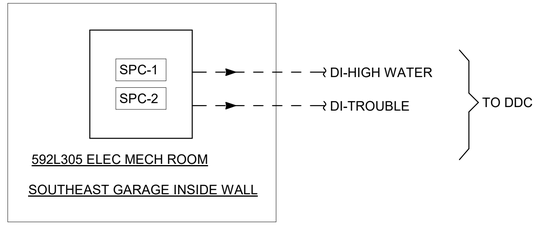
1. DOMESTIC BOOSTER PUMP HAS SELF CONTAINED CONTROLS FOR PRESSURE MAINTENANCE AND NO-FLOW SHUT-DOWN.
2. DDC MONITORS THE STATUS OF THE DOMESTIC BOOSTER PUMP.

GENERAL NOTES

1. SEE CONDUIT REQUIREMENTS FOR ELECTRICAL CONTRACTOR ON THIS SHEET.
2. SEE BMS DRAWINGS FOR COMPLETE POINTS LIST.
3. CONTROL WIRING ASSOCIATED WITH THE DIRECT OPERATION OF THE EQUIPMENT WITHIN THE SPACES IS SHOWN AS SOLID LINES ON THE CONTROL DIAGRAMS. DDC SIGNAL WIRING IS SHOWN AS DASHED LINES ON THE CONTROL DIAGRAMS. COMMUNICATION WIRING IS SHOWN AS A SOLID LINE WITH HASH MARKS.

DOMESTIC WATER BOOSTER PUMP 1

SCALE: NTS -



SEQUENCE OF OPERATION

1. THE SUMP PUMP CONTROLLER HAS A HIGH WATER FLOAT THAT REPORTS TO THE SUMP PUMP CONTROLLER WHEN THE FLOAT RISES FROM HUNG VERTICAL POSITION TO THE HORIZONTAL POSITION.
2. DDC MONITORS THE STATUS OF THE SUMP PUMP CONTROL PANEL.

GENERAL NOTES

1. SEE CONDUIT REQUIREMENTS FOR ELECTRICAL CONTRACTOR ON THIS SHEET.
2. SEE BMS DRAWINGS FOR COMPLETE POINTS LIST.
3. CONTROL WIRING ASSOCIATED WITH THE DIRECT OPERATION OF THE EQUIPMENT WITHIN THE SPACES IS SHOWN AS SOLID LINES ON THE CONTROL DIAGRAMS. DDC SIGNAL WIRING IS SHOWN AS DASHED LINES ON THE CONTROL DIAGRAMS. COMMUNICATION WIRING IS SHOWN AS A SOLID LINE WITH HASH MARKS.

SUMP PUMP CONTROLLER 2

SCALE: NTS -

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0	10/26/2022	RC	LC	RR	FINAL AS-BUILT

DESIGNED BY: T. TRAN
DRAWN BY: S. TUTHILL
CHECKED BY: T. GOEGLEIN
APPROVED BY: R. RUSHING

RUSHING Engineering - Essentials - Delivery
HENSEL PHELPS Plan. Build. Manage.
kpff
LINE IS 1" AT FULL SCALE
SOUNDTRANSIT

SUBMITTED BY: SARA ROBERTS
DATE: 10/26/2022
REVIEWED BY: GREG SHIMIZU
DATE: 10/26/2022

SCALE: NTS
FILENAME: S317-F1592-P_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
MECHANICAL
PLUMBING
CONTROL DIAGRAMS

DRAWING No.: F1592-MPS940
FACILITY ID: F1592
SHEET No: 469
REV: 0

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DOMESTIC WATER BOOSTER PUMP SCHEDULE

	BASIS OF DESIGN				DESIGN PARAMETERS					ELECTRICAL DATA								
UNIT NO.	MANUFACTURER	MODEL	SERVICE	LOCATION	GPM	BOOST REQUIRED (HEAD:FT)	BOOST REQUIRED (HEAD: PSI)	AVAILABLE SUCTION PRESSURE	REQUIRED DISCHARGE PRESSURE	MOTOR HP	MOTOR RPM	VOLT/PH	VFD PROVIDED WITH UNIT	VFD FACTORY WIRED TO CONTROLLER	DISCONNECT AT EACH PUMP	QUANTITY OF POWER CONNECTIONS	EMERGENCY POWER	STANDBY POWER
PMP-2	GRUNDFOS	HYDRO MPC 2CME 10-2	DOMESTIC COLD WATER	FIRE PUMP/RISER	59 GPM	99' - 6"	7.80 psi	56.00 psi	64.00 psi	2 x 3 HP	2085	460/3	YES	YES	FACTORY PROVIDED	ONE AT EACH PUMP	NO	NO

DOMESTIC WATER BOOSTER PUMP SCHEDULE (CONTINUED)

SPECIFICATIONS										PHYSICAL DIMENSIONS		MISC DATA				
MAX WORKING PRESSURE	CONTROL	STYLE	SKID MOUNT	UL LISTED UNIT	NSF 61 CERTIFIED (POTABLE SYSTEMS)	LEAD FREE	PRESSURE TRANSMITTER	PRESSURE TRANSMITTER WIRING	ISOLATION	LENGTH X WIDTH X HEIGHT	SHIPPING WEIGHT	EXPANSION TANK	FREIGHT	SHIPPING INSTRUCTIONS - SHRINK WRAP & COVER ALL OPENINGS	ELECTRONIC SUBMITTAL	ELECTRONIC INSTALL/O&M MANUAL
145 psi	DUPLEX BOOSTER CONTROLLER WITH VARIABLE FLOW VIA VFD		PUMP PACKAGE MANUFACTURED BY FLOWTHERM SYSTEMS	YES	YES	YES	FIELD MOUNTED AT HIGH POINT	BY C.C	SEE ISOLATION SCHEDULE	29.3" x 26.8" x 51.3"		AMTROL ST-30V-C	FOB JOBSITE	YES	YES	YES

ELECTRIC WATER HEATER SCHEDULE

TAG#	BASIS OF DESIGN				DESIGN PARAMETERS				ELECTRICAL INFORMATION							SPECIFICATIONS				
	MANUFACTURER	MODEL NUMBER	SERVICE	EQUIPMENT LOCATION	ENTERING WATER TEMPERATURE	LEAVING WATER TEMPERATURE	GALLONS PER MINUTE RECOVERY	FIRST HOUR RATING (APPROX)	TOTAL KW	NUMBER OF ELEMENTS	SIMULTANEOUS OPERATION	VOLTAGE / PHASE	DISCONNECT	EMERGENCY POWER	STAND BY POWER	HEIGHT x WIDTH (xDEPTH)	SHIPPING WEIGHT (LBS)	WEIGHT WITH WATER	EXPANSION TANK	ASME RATED
EWH-1	AO SMITH	DSE-10	HOT WATER	592L105/JANITOR CLOSET	50	120	25	33	6	1	N/A	480/3	YES	NO	NO	26.125" H X 18.75" DIA	116	116	YES	YES

SUMP PUMP SCHEDULE

TAG#	LOCATION		MANUFACTURER	MODEL NO.	SYSTEM	TYPE	PUMP					DIMENSIONS		UNIT WEIGHT	ELECTRICAL		NOTES
	ROOM	NUMBER					FLOW	HEAD	MOTOR QUANTITY	MOTOR POWER	MOTOR RPM	BASIN DEPTH	BASIN L + W		VOLTAGE	PHASE	
SP-1	ELEVATOR 03	592EL03	WEIL	1411	ELEVATOR DISCHARGE	SUBMERSIBLE	50 GPM	6.50 psi	1	0.5 hp	1750	3' - 0"	2' - 0"		115 V	1	OWS-1, SPC-1
SP-2	SOUTHEAST EXTERIOR		WEIL	1607	ELEVATOR DISCHARGE	SUBMERSIBLE	100 GPM	6.50 psi	1	1.0 hp	1750	18' - 3 19/32"	5' - 0"		120 V	1	OWS-2,SPC-2
SP-3	SOUTHEAST EXTERIOR		WEIL	1607	ELEVATOR DISCHARGE	SUBMERSIBLE	100 GPM	6.50 psi	1	1.0 hp	1750	18' - 3 19/32"	5' - 0"		120 V	1	OWS-2,SPC-2
SPC-1	ELEC.MECH ROOM	592L305	WEIL	8117	ELEVATOR DISCHARGE	CONTROL PANEL											
SPC-2	SOUTHEAST INTERIOR		WEIL	8165	ELEVATOR DISCHARGE	CONTROL PANEL											

OIL WATER SEPARATOR SCHEDULE

TAG #	MANUFACTURER	MODEL	LOCATION	FLOW CAP GPM	TOTAL CAPACITY (GAL)	OIL SPILL CAPACITY (GAL)	DIAMETER	HEIGHT
OWS-1	PARK USA	CMPR-100	EAST ABUTMENT	100 GPM	100	50	44 in	54 in
OWS-2	PARK USA	EC-250	SOUTHEAST GARAGE	200 GPM	250	125	44 in	78 in

DESIGN RECORD DRAWING UPDATES ARE BASED ON CONTRACTOR'S REDLINES. THE ITEMS AS SHOWN HAVE NOT BEEN INDEPENDENTLY VERIFIED BY RUSHING.

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
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DESIGNED BY: T. TRAN
DRAWN BY: S. TUTHILL
CHECKED BY: T. GOEGLEIN
APPROVED BY: R. RUSHING

RUSHING Engineering - Essentials - Delivery
SUBMITTED BY: SARA ROBERTS
DATE: 10/26/2022

HENSEL PHELPS Plan. Build. Manage. kpff
REVIEWED BY: GREG SHIMIZU
DATE: 10/26/2022

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT
SCALE: NTS
FILENAME: S317-F1592-P_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
MECHANICAL
PLUMBING
SCHEDULES

DRAWING No.: F1592-MPS950
FACILITY ID: F1592
SHEET No: 470
REV: 0

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PLUMBING FIXTURE SCHEDULE

ITEM	DESCRIPTION	MODEL	CONNECTION							FIXTURE FLOW RATES	
			DCW	DHW	TEMP	W	V	RL	ORL	CODE FLOW	FIXTURE FLOW
JS-1	**MOP SINK**										
	FIXTURE:	FIAT PRODUCTS MODEL TSBC3000 TERRAZZO MOP BASIN. 12" DEPTH W/ 6" DROP				4	1-1/2				-
	FAUCET:	CHICAGO FAUCET MODEL: 897-CCP. FLOWRATE SHALL BE LIMITED TO 5GPM	3/8	3/8	-						
	ACCESSORIES:	VACUUM BREAKER, STAINLESS STEEL WALL GUARD, HOSE & BRACKET, MOP BRACKET, SS BUMPER GUARD, FLAT SS STRAINER, STAINLESS STEEL RIM GUARD									
	NOTES:	PROVIDE CHECK VALVES ON COLD AND HOT WATER SUPPLY									
HB-1	**HOSE BIBB - WALL MOUNTED, MILD CLIMATE**										
	FIXTURE:	PRIER WALL HYDRANT MODEL C-633NSV (OR EQUAL), 360-DEGREE SWIVEL INLET, HEAVY-DUTY, MILD-CLIMATE, COMMERCIAL, ANTI-SIPHON, W/ P-004 VACUUM BREAKER, BACKFLOW CHECK VALVE, W/ GASKET #C-634 IN STAINLESS STEEL, VANDAL RESISTANT LOCKING BOX.	3/4	-	-	-	-	-	-	N-A	-
	NOTES:	STAINLESS STEEL ENCLOSURE MFG BY CONTRACTOR									
HB-2	**HOSE BIBB - FLOOR MOUNTED**										
	FIXTURE:	JAY R SMITH MODEL #SQ-5-2902-SAP-FC-N-LD-H-316 (OR EQUAL) FLUSH FLOOR MOUNT HYDRANT, VACUUM BREAKER, MILD CLIMATE W/ 316 STAINLESS STEELL, SELF-DRAINING, LOCKING BOX WITH FLASHING CLAMP.	3/4	3/4	-	-	-	-	-	N-A	-
	NOTES:										
HB-3	**HOSE BIBB - WALL MOUNTED, FREEZE PROOF**										
	FIXTURE:	PRIER WALL HYDRANT MODEL C-634, HEAVY-DUTY, FREEZE-LESS, COMMERCIAL, ANTI-SIPHON WITH P-004 VACUUM BREAKER, DOUBLE BACKFLOW CHECK VALVE W/ GASKET #C-634, IN STAINLESS STEEL, VANDAL RESISTANT LOCKING BOX.	3/4	3/4	-	-	-	-	-	N-A	-
	NOTES:	STAINLESS STEEL ENCLOSURE MFG BY CONTRACTOR									
DD-1	**DOWNSPOUT DRAIN**										
	FIXTURE:	JAY R SMITH 3300-SS-U-1/2 GRATE 4"X8" RECTANGULAR FLOOR DRAIN, WITH SS FRAME & VANDAL RESISTANT 1/2 GRATE	-	-	-	-	-	PLANS	-	N-A	-
	NOTES:										
DSN-1	**DOWNSPOUT NOZZLE**										
	FIXTURE:	JAY R SMITH FIGURE 1775 DOWNSPOUT NOZZLE WITH BIRD SCREEN STAINLESS STEEL FINISH AND ADA NOZZLE.	-	-	-	-	-	PLANS	-	N-A	-
	NOTES:										
TP-1	**TRAP PRIMER - ELECTRONIC TRAP PRIMER WITH DISTRIBUTION MANIFOLD**										
	FIXTURE:	PPP PTS-8 ELECTRONIC TRAP PRIMER	1/2	-	-	-	-	-	-	N-A	-
	NOTES:	PROVIDE WITH UNION CONNECTION. PC SHALL CONFIRM FINAL MANIFOLD SIZE									
TP-2	**TRAP PRIMER - LAVATORY/SINK TAIL PIECE TRAP PRIMER**										
	FIXTURE:	JAY R SMITH 2698 - PRIME-EZE WATER SAVER TRAP PRIMER	1/2	-	-	-	-	-	-	N-A	-
	NOTES:	USE ONLY IF WITHIN 8 FEET OF LAV/SINK NEARBY									
EWS-1	**SELF-CONTAINED EYEWASH STATION**										
	FIXTURE:	FENDALL PURE FLOW 1000 WALL MOUNTED EMERGENCY EYEWASH TO PROVIDE 0.4GPM FOR 15 MINUTES AS REQUIRED BY ANSI Z358.1-2009. PROVIDE WITH WALL BRACKET AND CARTRIDGE.	-	-	-	-	-	-	-	N-A	-
	NOTES:	NO PLUMBING CONNECTIONS REQUIRED.									
PRV-1	**PRESSURE REDUCING VALVE**										
	FIXTURE:	WATTS MODEL LF25AUB-Z3 LEAD FREE PRESSURE REDUCING VALVE - SIZED PER PIPE SIZE INDICATED ON PLANS.	-	-	-	-	-	-	-	N-A	-
	NOTES:										
VRV-1	**VACUUM RELIEF VALVE**										
	FIXTURE:	WATTS MODEL LF36 LEAD FREE VACUUM RELIEF VALVE - SIZED PER PIPE SIZE INDICATED ON PLANS.	-	-	-	-	-	-	-	N-A	-
	NOTES:										
WHA-1	**WATER HAMMER ARRESTOR**										
	FIXTURE:	JAY R SMITH SERIES 5000 - SIZE AS APPROPRIATE FOR FIXTURE UNIT LOADING	-	-	-	-	-	-	-	N-A	-
	NOTES:										
TD-1	**TRENCH DRAIN**										
	FIXTURE:	JAY R SMITH 96979-U. THRESHOLD DRAIN WITH ADA GRATE NO VENT REQUIRED WHERE DRAIN ROUTES TO STORM. REFER TO PLANS FOR TRENCH DRAIN LENGTHS.	-	-	-	4	N-A	-	-	N-A	-
	NOTES:										
TD-2	**TRENCH DRAIN (CONTRACTOR FABRICATED)**										
	FIXTURE:	CONTRACTOR FABRICATED STATINLESS STEEL TRENCH 4" WIDE. W/ ACO 477D-ADA LONGITUDINAL STAINLESS STEEL ADA GRATE. NO VENT REQUIRED WHERE DRAIN ROUTES TO STORM. REFER TO PLANS FOR TRENCH DRAIN LENGTHS.	-	-	-	-	N-A	3	-	N-A	-
	NOTES:										

PLUMBING FIXTURE SCHEDULE (CONTINUED)

ITEM	DESCRIPTION	MODEL	CONNECTION							FIXTURE FLOW RATES	
			DCW	DHW	TEMP	W	V	RL	ORL	CODE FLOW	FIXTURE FLOW
WCO	**WALL CLEAN OUT**										
	FIXTURE:	JAY R SMITH 4472 - VANDAL PROOF & STAINLESS STEEL	-	-	-	-	-	-	-	N-A	-
	NOTES:										
FCO	**FLOOR CLEAN OUT**										
	FIXTURE:	JAY R SMITH 4021/4238 - STAINLESS STEEL, VANDAL PROOF. SHALL BE USED WHERE SUBJECT TO TRAFFIC.	-	-	-	-	-	-	-	N-A	-
	NOTES:										
GD-1	**GARAGE DRAIN**										
	FIXTURE:	JAY R SMITH FIGURE 2140/2145 W/ 12" ROUND TOP, SEDIMENT BUCKET, VANDAL PROOF WITH DUCTILE IRON TOP	-	-	-	4	-	-	-	N-A	-
	NOTES:										
FD-1	**FLOOR DRAIN**										
	FIXTURE:	JAY R SMITH FIGURE 2005-A-06-SS-69. 6" ROUND FLOOR DRAIN, WITH HEAVY DUTY STAINLESS STEEL COVER AND TRAP PRIMER CONNECTION, VANDAL PROOF IN PUBLIC AREAS.	-	-	-	4	2	-	-	N-A	-
	NOTES:										
FD-2	**FLOOR DRAIN - W/ FUNNEL TYPE STRAINER**										
	FIXTURE:	JAY R SMITH FIGURE 2005-A-06-NB-3590 - 6" ROUND FLOOR DRAIN, WITH HEAVY DUTY STAINLESS STEEL STRAINER AND 6X2-1/2" FUNNEL AND TRAP PRIMER.	-	-	-	4	2	-	-	N-A	-
	NOTES:										
FD-3	**FLOOR DRAIN - CORROSION RESISTANT**										
	FIXTURE:	JAY R SMITH FIGURE 3020 ACID RESISTANT COATED FLOOR DRAIN.	-	-	-	4	2	-	-	N-A	-
	NOTES:	PROVIDE TRAP PRIMER WATER CONNECTION.									
RD-1	**COMBINATION ROOF DRAIN/OVERFLOW ROOF DRAIN**										
ORD-1	FIXTURE:	JAY R SMITH FIGURE 2140/2145 W/ 12" ROUND TOP, SEDIMENT BUCKET, VANDAL PROOF WITH DUCTILE IRON TOP	-	-	-	3	-	-	-	N-A	-
	NOTES:										
RD-2	**ROOF DRAIN**										
	FIXTURE:	FROET 100C4 INTEGRAL PRIMARY AND SECONDARY CAST IRON ROOF DRAIN.	-	-	-	-	N-A	PLANS	-	N-A	-
	NOTES:	PROVIDE VANDAL PROOF STRAINER AND FLASHING CLAMP									
HD-1	**HUB DRAIN - FIRE SPRINKLER TEST DRAIN**										
	FIXTURE:	FIELD FABRICATED 8" FUNNEL WITH 6" DRAIN OUTLET	-	-	-	6	4	-	-	N-A	-
	NOTES:	PROVIDE TRAP PRIMER WATER CONNECTION.									

NOTES - APPLIES TO ALL FIXTURES:

1. SEE PLANS FOR CONNECTION SIZE.
2. ADA COMPLIANCE REVIEW AND VERIFICATION IS BY THE PROJECT'S DESIGNATED ADA CONSULTANT (OTHERS)
3. HOSE BIBBS AND WALL HYDRANTS TO BE MOUNTED AT 24" ABOVE FINISHED FLOOR OR FINISHED GRADE UNLESS NOTED OTHERWISE.
4. CONTRACTOR TO VERIFY DRAIN COMPATIBILITY WITH CONSTRUCTION TYPE PRIOR TO INSTALLATION OR PROCUREMENT. ALTERNATE DRAINS OF EQUIVALENT QUALITY, FINSH AND FUNCTION MAY BE SUBMITTED FOR APPROVAL IF DEEMED NECESSARY.

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DRAWN BY: S. TUTHILL
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RUSHING Engineering - Essentials - Delivery
SUBMITTED BY: SARA ROBERTS
DATE: 10/26/2022

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REVIEWED BY: GREG SHIMIZU
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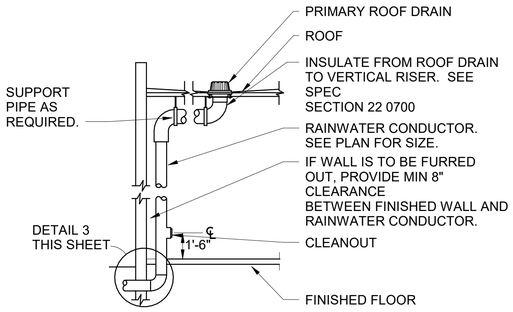
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SOUNDTRANSIT
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FILENAME: S317-F1592-P_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
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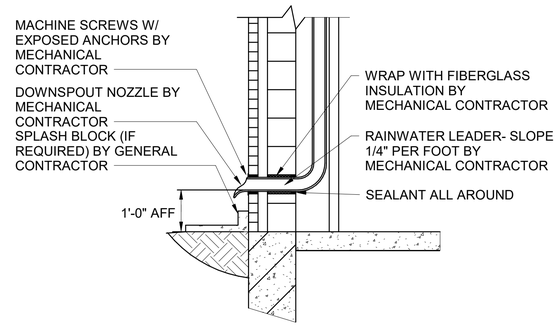
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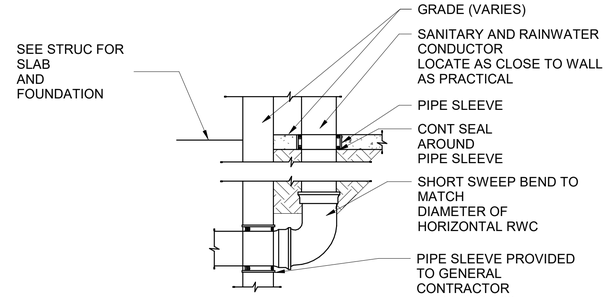
RAINWATER CONDUCTOR - PRIMARY DRAIN 1

SCALE: NTS -



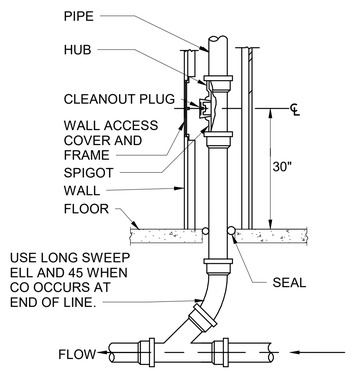
RAINWATER LEADER NOZZLE OUTLET DETAIL 2

SCALE: NTS -



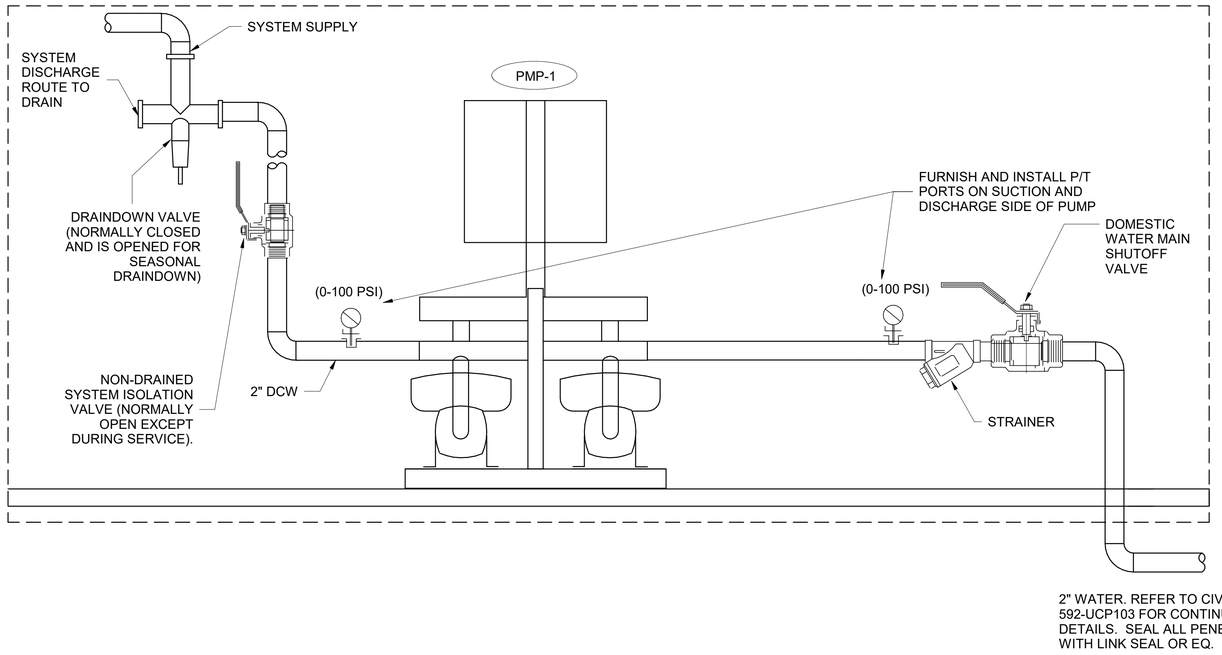
SANITARY+RAINWATER THROUGH FOUNDATION WALL 3

SCALE: NTS -



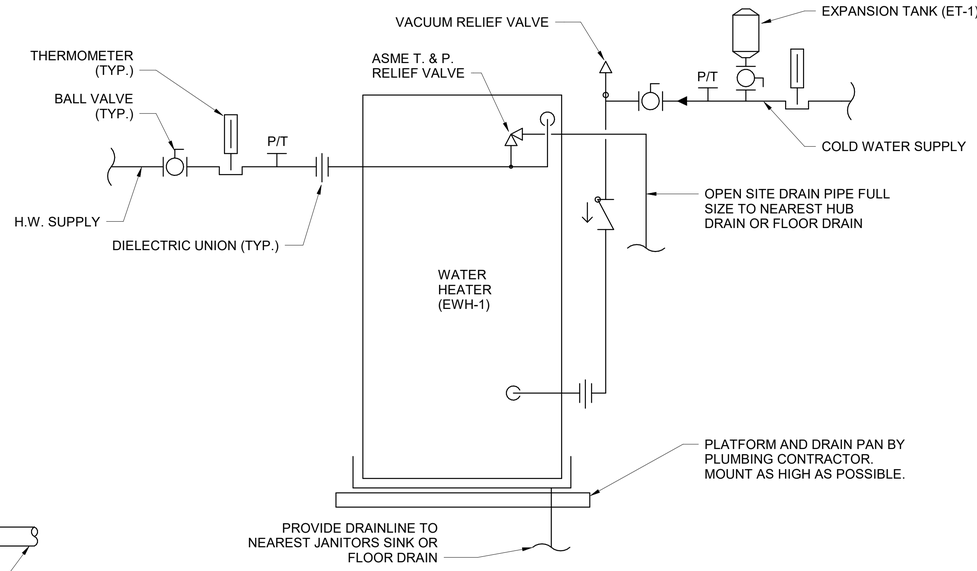
WALL CLEAN OUT DETAIL 4

SCALE: NTS -



BACKFLOW PREVENTER DETAIL 5

SCALE: NTS -



NOTES:

1. ALL PIPE CONNECTIONS SHALL INCORPORATE A HEAT TRAP

ELECTRIC WATER HEATER DETAIL 6

SCALE: NTS -

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kpff
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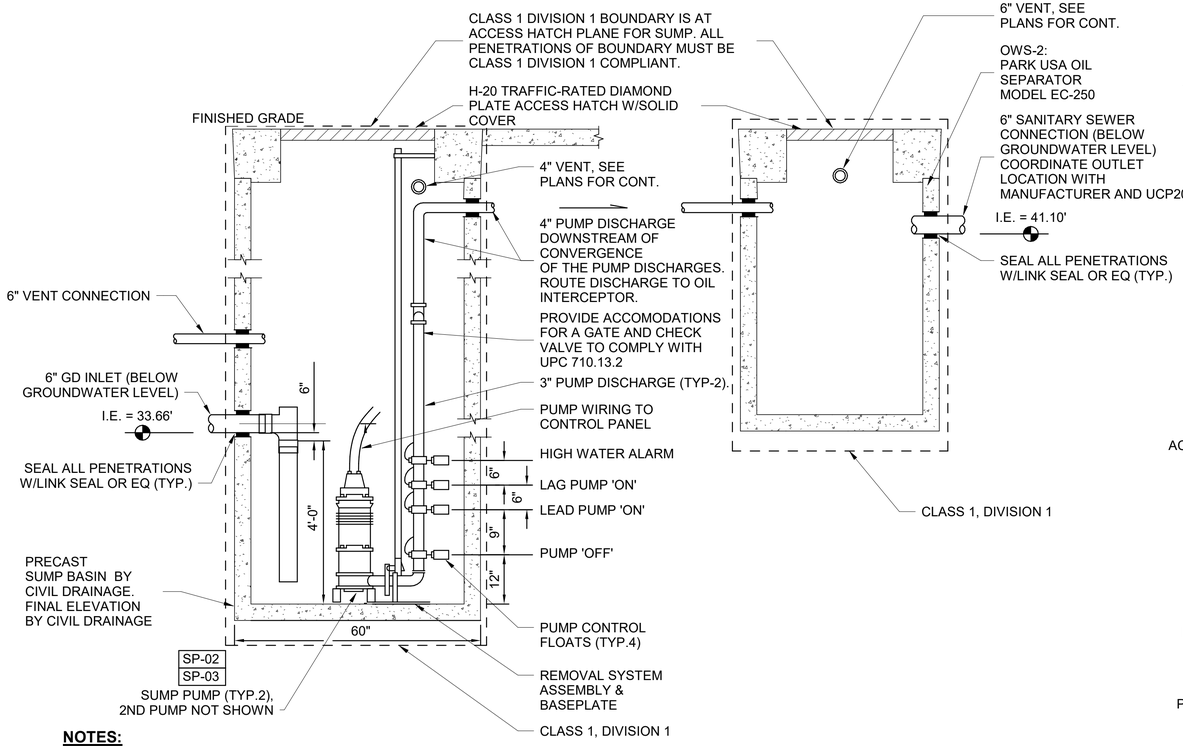
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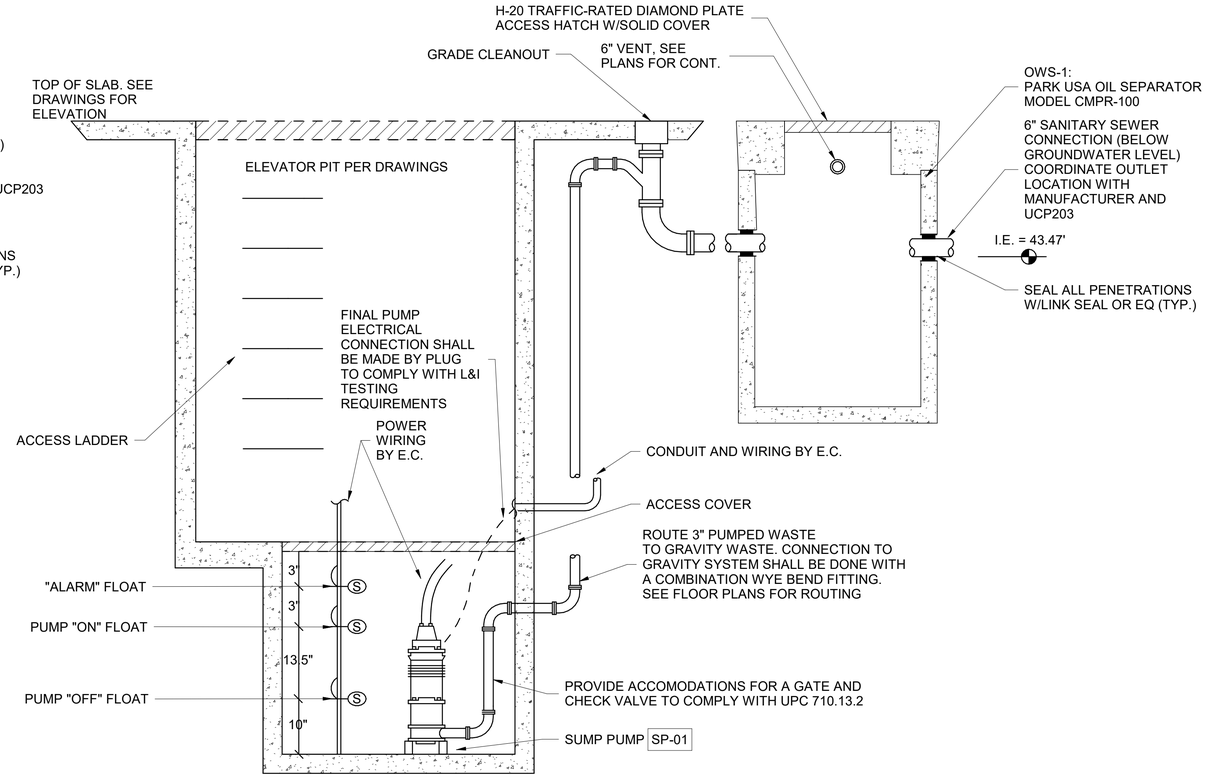
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CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
MECHANICAL
PLUMBING
DETAILS

DRAWING No.: F1592-MPD900
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NOTES:

1. PROVIDE EXPLOSION PROOF PUMPS & ELECTRICAL CONNECTIONS.
2. PUMP POWER & CONTROL WIRING FURNISHED BY P.C., INSTALLED BY E.C.
3. PROVIDE OPEN SAN TEE AND INLET EXTENSION TO 12" ABOVE SUMP FLOOR AT ALL SUMP INLETS.

SOUTH OIL WATER INTERCEPTOR AND SUMP PUMPS — 1 / -

SCALE: NTS

EAST ABUTMENT ELEVATOR SUMP PUMP — 2 / -

SCALE: NTS

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CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
MECHANICAL
PLUMBING
DETAILS

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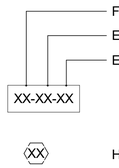
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ABBREVIATIONS

ACMP	AIR COMPRESSOR
BVLV	BUTTERFLY VALVE
BFPA	BACKFLOW PREVENTER ASSEMBLY
CVLV	CHECK VALVE
DSP	DRY STANDPIPE
DRSCV	DRY PIPE SYSTEM CONTROL VALVE
EFP	FIRE PUMP
EFPC	FIRE PUMP CONTROLLER
EJP	JOCKEY PUMP
EJPC	JOCKEY PUMP CONTROLLER
FDC	FIRE DEPARTMENT CONNECTION
FHV	FIRE HOSE VALVE
FP-D	FIRE PROTECTION DRY
FP-W	FIRE PROTECTION WET
ITV	INSPECTOR TEST VALVE
OSY	OS&Y GATE VALVE
PBS	PUYALLUP BUILDING SERVICES

SYMBOLS & LEGEND

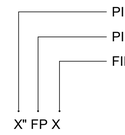
FIRE PROTECTION EQUIPMENT TAG LEGEND



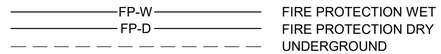
NOTE:

EQUIPMENT NAMES ARE NOT SHOWN WITH FACILITY ID FOR CLARITY, ALL EQUIPMENT STARTS WITH "592-". PROVIDE FACILITY ID PREFIX ON ALL EQUIPMENT LABELS IN THE FIELD.

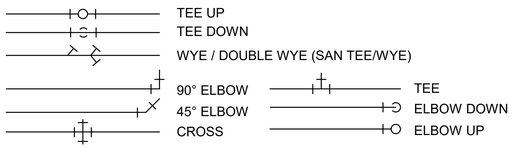
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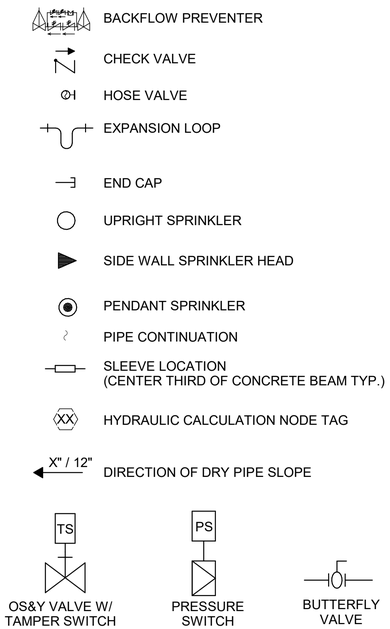
PIPING SYSTEMS



PIPE FITTINGS



SYMBOLS



ALL WIRING TO BE DONE BY OTHER'S

SCOPE OF WORK

THIS PROJECT INVOLVES THE DESIGN AND INSTALLATION OF A FIRE PUMP, DRY MANUAL STANDPIPES AND INSTALLATION OF MULTIPLE DRY PIPE SPRINKLER SYSTEMS PROVIDING COMPLETE COVERAGE THROUGHOUT THE PUYALLUP STATION PARKING GARAGE WITH ASSOCIATED ANCILLARY FACILITIES LOCATED IN PUYALLUP, WASHINGTON AND IS BEING DESIGNED IN ACCORDANCE WITH APPLICABLE CODES AND STANDARDS.

ALL STRUCTURES ARE OF TYPE II-B CONSTRUCTION IN ACCORDANCE WITH THE 2015 INTERNATIONAL BUILDING CODE AS AMENDED BY THE STATE OF WASHINGTON AND THE CITY OF PUYALLUP.

APPLICABLE CODES

CITY OF PUYALLUP

A. NFPA 13, STANDARD FOR THE INSTALLATION OF SPRINKLER SYSTEMS, 2016 EDITION.
B. NFPA 14, STANDARD FOR THE INSTALLATION OF STANDPIPE AND HOSE SYSTEMS, 2016 EDITION.
C. NFPA-20, STANDARD FOR THE INSTALLATION OF STATIONARY PUMPS FOR FIRE PROTECTION, 2016 EDITION.
D. NFPA 24, STANDARD FOR THE INSTALLATION OF PRIVATE FIRE SERVICE MAINS AND THEIR APPURTENANCES, 2016 EDITION.
E. INTERNATIONAL BUILDING CODE (IBC), 2015 EDITION, AS AMENDED BY THE STATE OF WASHINGTON AND CITY OF PUYALLUP.
F. INTERNATIONAL FIRE CODE (IFC), 2015 EDITION, AS AMENDED BY THE STATE OF WASHINGTON AND CITY OF PUYALLUP.

GENERAL NOTES

DRAWING GENERAL NOTES:

1. ABBREVIATIONS AND SYMBOLS SHOWN HERE MAY INCLUDE ITEMS THAT ARE NOT PART OF THIS CONTRACT.

FIRE SPRINKLER GENERAL NOTES:

1. THESE DRAWINGS ARE DIAGRAMMATIC IN NATURE AND ARE NOT INTENDED AS SHOP DRAWINGS. CONTRACTOR IS TO DESIGN AND INSTALL FIRE PUMP, STANDPIPE & DRY SPRINKLER SYSTEMS IN ACCORDANCE WITH ALL APPLICABLE CODES AND STANDARDS, THE PROJECT REQUIREMENTS, PROJECT SPECIFICATIONS, AND THESE DRAWINGS.
2. THE CONTRACTOR WHO PROVIDES SYSTEM INSTALLATION SHALL PROVIDE COMPLETE SHOP DRAWINGS, WHICH INCLUDE COMPLETE PIPING LAYOUT, HYDRAULIC CALCULATIONS, HANGER DETAILS, SEISMIC BRACING, ETC. THE CONTRACTOR SHALL COORDINATE WITH MECHANICAL, ELECTRICAL, AND OTHER DISCIPLINES TO ENSURE INTALLATION IN ACCORDANCE WITH BUILDING DESIGN, USE AND INTENT.
3. PROVIDE NICET LEVEL III (MINIMUM) INFORMATION OF THE SYSTEM DESIGNER ON THE DRAWINGS.
4. FOR HYDRAULIC CALCULATION PURPOSES, THE WATER SUPPLY INFORMATION SHALL BE REDUCED BY 10 PSI SAFETY FACTOR.
5. FIRE SPRINKLER SYSTEM SHALL BE EQUIPPED WITH A DOUBLE CHECK VALVE BACKFLOW PREVENTER. LOCATE THE BACKFLOW PREVENTER INSIDE THE FIRE SPRINKLER RISER ROOM .
6. PROVIDE THE NECESSARY FIRE DEPARTMENT CONNECTIONS WITHIN 15 FEET OF A HYDRANT.
7. PROVIDE THRUST RODS AND SLEEVES WHERE THE RISER PENETRATES THE GRADE FLOOR SLAB.
8. SPRINKLER LOCATIONS SHALL BE COORDINATED WITH ALL DIFFUSERS, SPEAKERS, LIGHT FIXTURES, AND CEILING SYSTEMS.
9. ALL CONTROL VALVES SHALL BE EQUIPPED WITH TAMPER SWITCHES. ELECTRICAL CONDUIT, WIRING, ETC. IS THE RESPONSIBILITY OF THE ELECTRICAL OR FIRE ALARM CONTRACTOR.
10. PROVIDE UL LISTED FIRE STOPPING SYSTEMS WHERE CONDUIT OR PIPING PASS THROUGH RATED WALLS AND FLOOR/CEILING ASSEMBLIES.
11. ALL PIPE SHALL BE HYDROSTATICALLY TESTED FOR 2 HOURS AT 200 PSI, OR 50 PSI IN EXCESS OF THE SYSTEM WORKING PRESSURE, WHICHEVER IS GREATER.
12. PROVIDE SCHEDULE 40 GALVANIZED PIPING FOR ALL DRY MANUAL STANDPIPE SYSTEMS AND ALL DRY PIPE SPRINKLER SYSTEMS.
13. PROVIDE QUICK RESPONSE CONCEALED SPRINKLERS WITH ORDINARY TEMPERATURE RATINGS IN AREAS WITH FINISHED CEILINGS. PROVIDE SPRINKLER COVER PLATES TO MATCH CEILING COLOR. PROVIDE INTERMEDIATE TEMPERATURE CORROSION - RESISTANT SPRINKLERS WHERE EXPOSED TO THE ENVIRONMENT.
14. UPON COMPLETION OF THE INSTALLATION OF THE FIRE SUPPRESSION SYSTEM, A SATISFACTORY TEST SHALL BE MADE IN THE PRESENCE OF THE AHJ.

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	ML	JJ	JJ	FINAL AS-BUILT

DESIGNED BY: M. LONG
DRAWN BY: M. LONG
CHECKED BY: J. JOHNSON
APPROVED BY: J. JOHNSON

COSCO Fire Protection
SUBMITTED BY: SARA ROBERTS

HENSEL PHELPS Plan. Build. Manage.
kpff
DATE: 10/26/2022

LINE IS 1" AT FULL SCALE

REVIEWED BY: GREG SHIMIZU

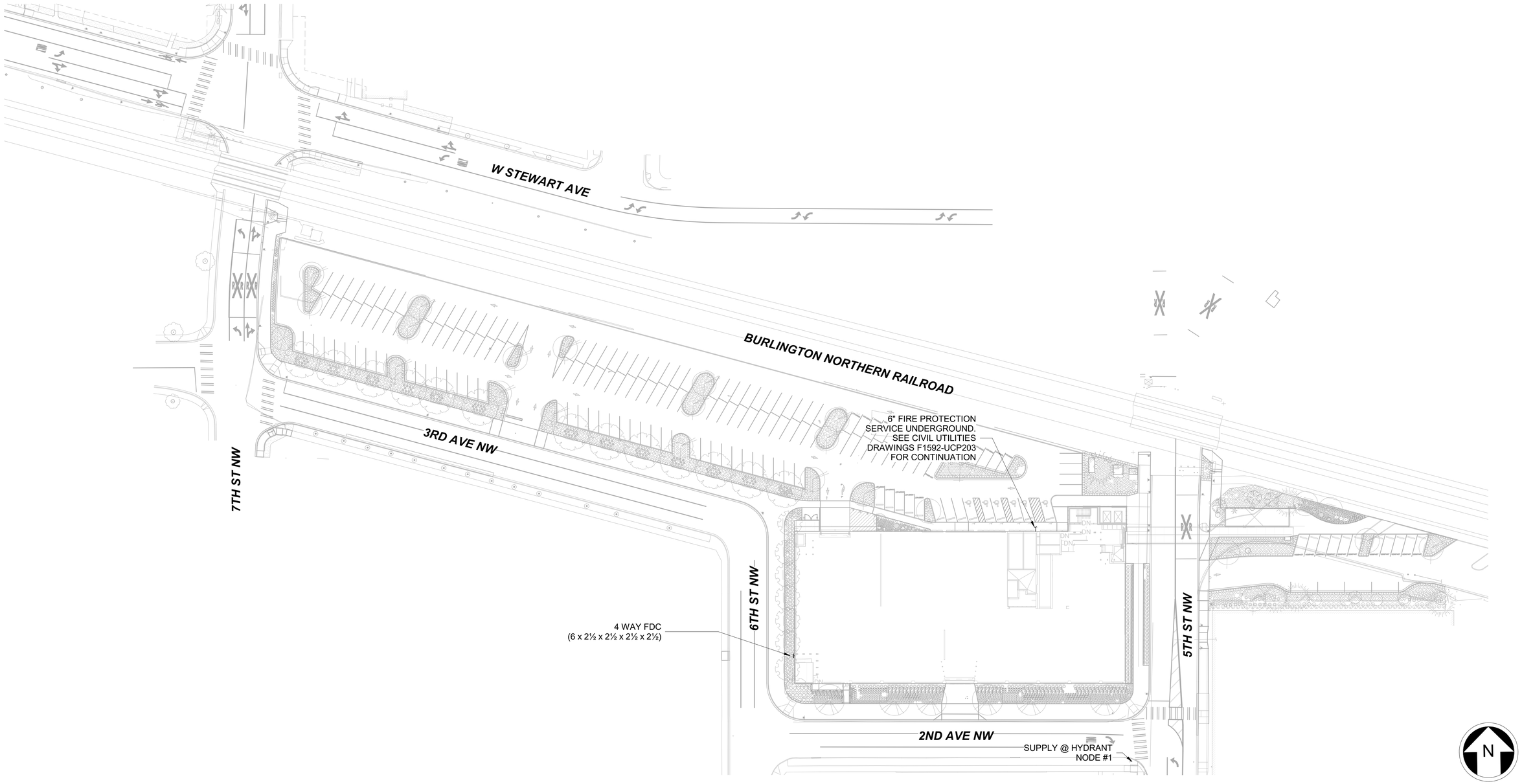
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DATE: 10/26/2022

SCALE: NTS
FILENAME: S317-F1592-F_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
MECHANICAL
FIRE PROTECTION
GENERAL NOTES, SYMBOLS, LEGEND & ABBREVIATIONS

DRAWING No.: F1592-MZN002
FACILITY ID: F1592
SHEET No: 474
REV: 0

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FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	ML	JJ	JJ	FINAL AS-BUILT

DESIGNED BY: M. LONG
DRAWN BY: M. LONG
CHECKED BY: J. JOHNSON
APPROVED BY: J. JOHNSON

COSCO Fire Protection
SUBMITTED BY: SARA ROBERTS
DATE: 10/26/2022

HENSEL PHELPS Plan. Build. Manage. kpff
REVIEWED BY: GREG SHIMIZU
DATE: 10/26/2022

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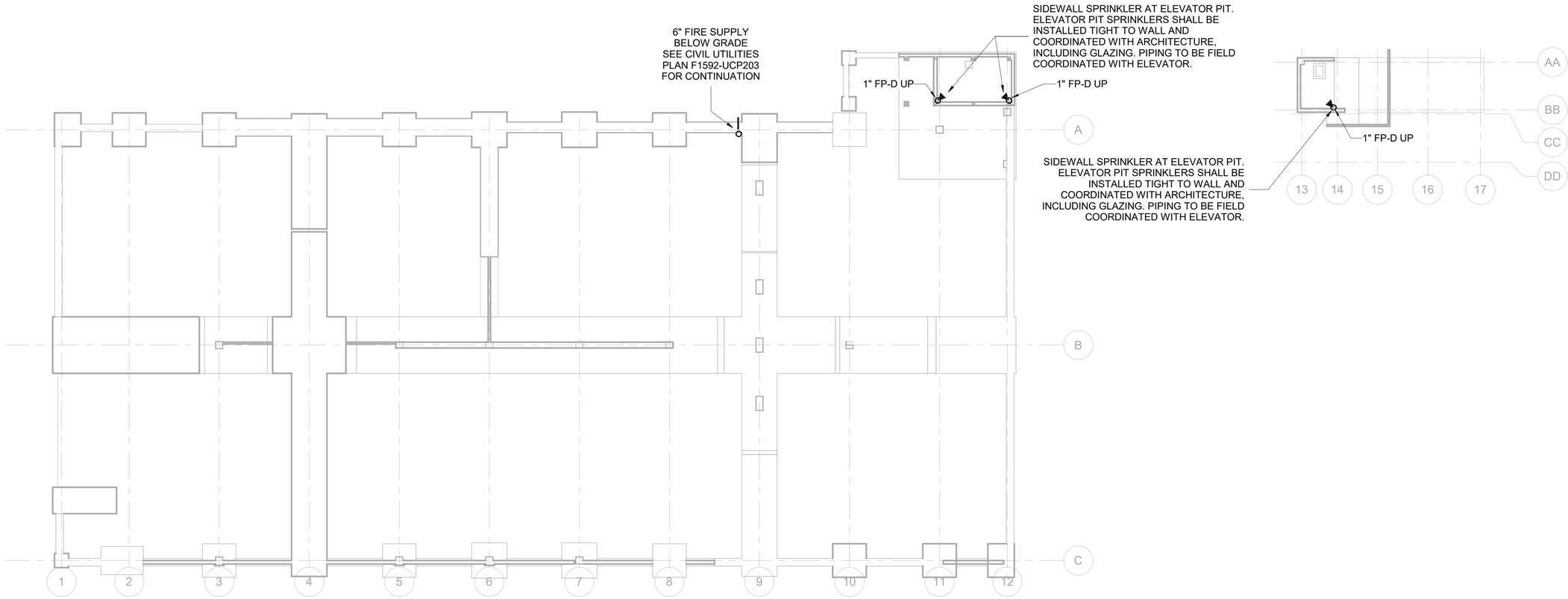
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CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS

MECHANICAL
FIRE PROTECTION PLAN
SITE PLAN

DRAWING No.: F1592-MSP002
FACILITY ID: F1592
SHEET No: 475
REV: 0

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FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	ML	JJ	JJ	FINAL AS-BUILT

DESIGNED BY: M. LONG
DRAWN BY: M. LONG
CHECKED BY: J. JOHNSON
APPROVED BY: J. JOHNSON

COSCO Fire Protection
SUBMITTED BY: SARA ROBERTS

HENSEL PHELPS Plan. Build. Manage.
kpff
DATE: 10/26/2022
REVIEWED BY: GREG SHIMIZU

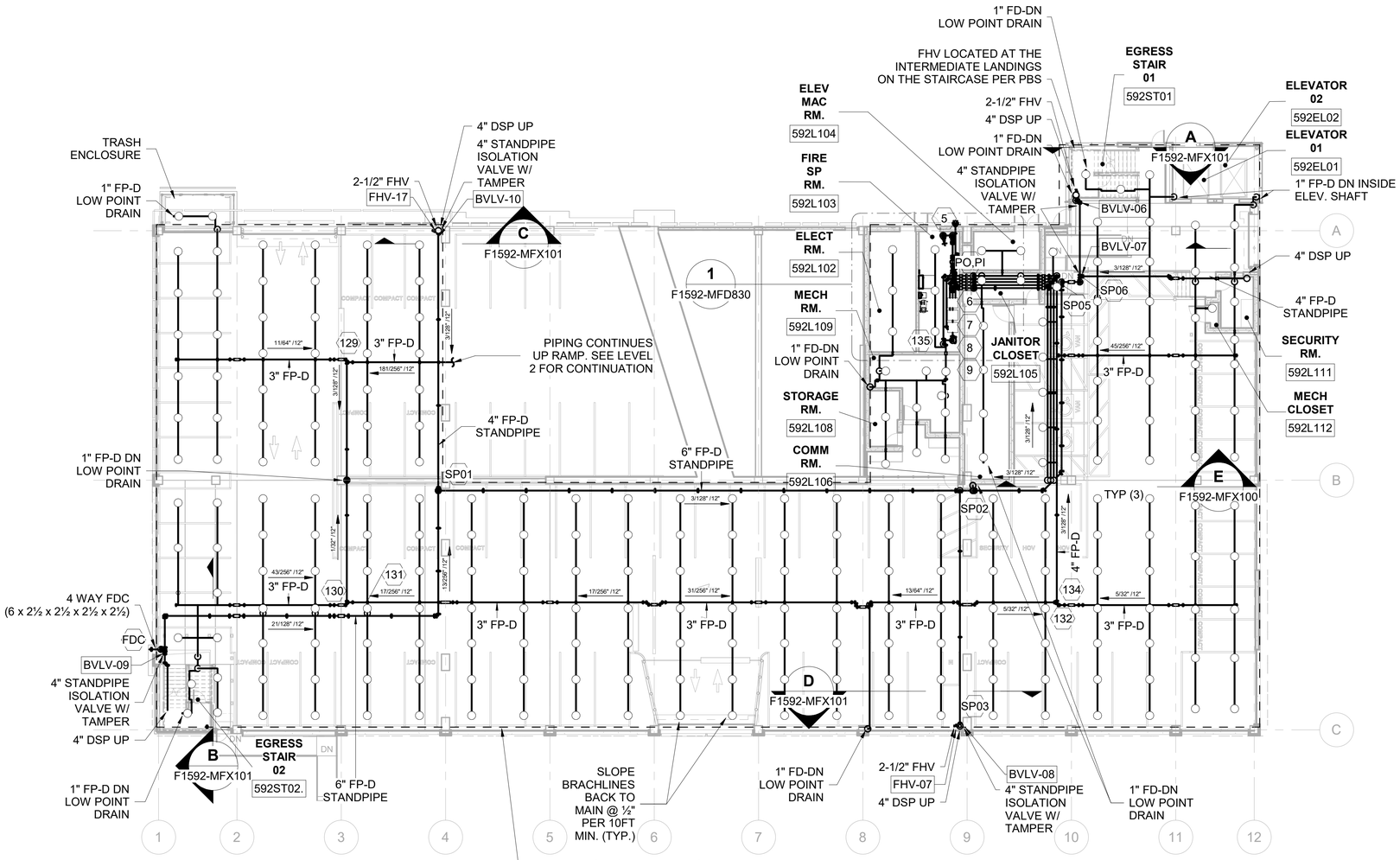
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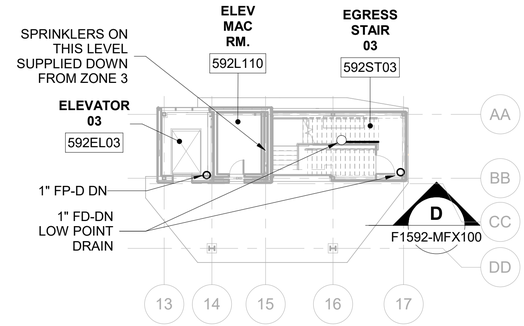
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DATE: 10/26/2022

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FILENAME: S317-F1592-F_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
MECHANICAL
FIRE PROTECTION PLAN
FOUNDATION LEVEL - OVERALL

DRAWING No.: F1592-MFP100
FACILITY ID: F1592
SHEET No.: 476
REV.: 0





STAIR 03: FHV-06 REMOTE HOSE VALVE

FIRE PROTECTION SYSTEM DEMAND:

REMOTE AREA NUMBER:	DSP-01
OCCUPANCY CLASSIFICATION:	PARKING GARAGE
DENSITY:	GPM/SQFT
AREA OF APPLICATION:	N/A
NO. OF SPRINKLERS CALCULATED:	0
INSIDE HOSE STREAMS:	1000 GPM
OUTSIDE HOSE STREAMS:	0 GPM
TOTAL WATER REQUIRED (INCLUDING HOSE STREAMS):	1000 GPM
@ A REQUIRED SYSTEM PRESSURE OF:	165.742 PSI

N

2' 0' 8' 16' 32'

SCALE IN FEET

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FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	ML	JJ	JJ	FINAL AS-BUILT

DESIGNED BY: M. LONG
DRAWN BY: M. LONG
CHECKED BY: J. JOHNSON
APPROVED BY: J. JOHNSON

COSCO Fire Protection

HENSEL PHELPS Plan. Build. Manage.
kpff

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT

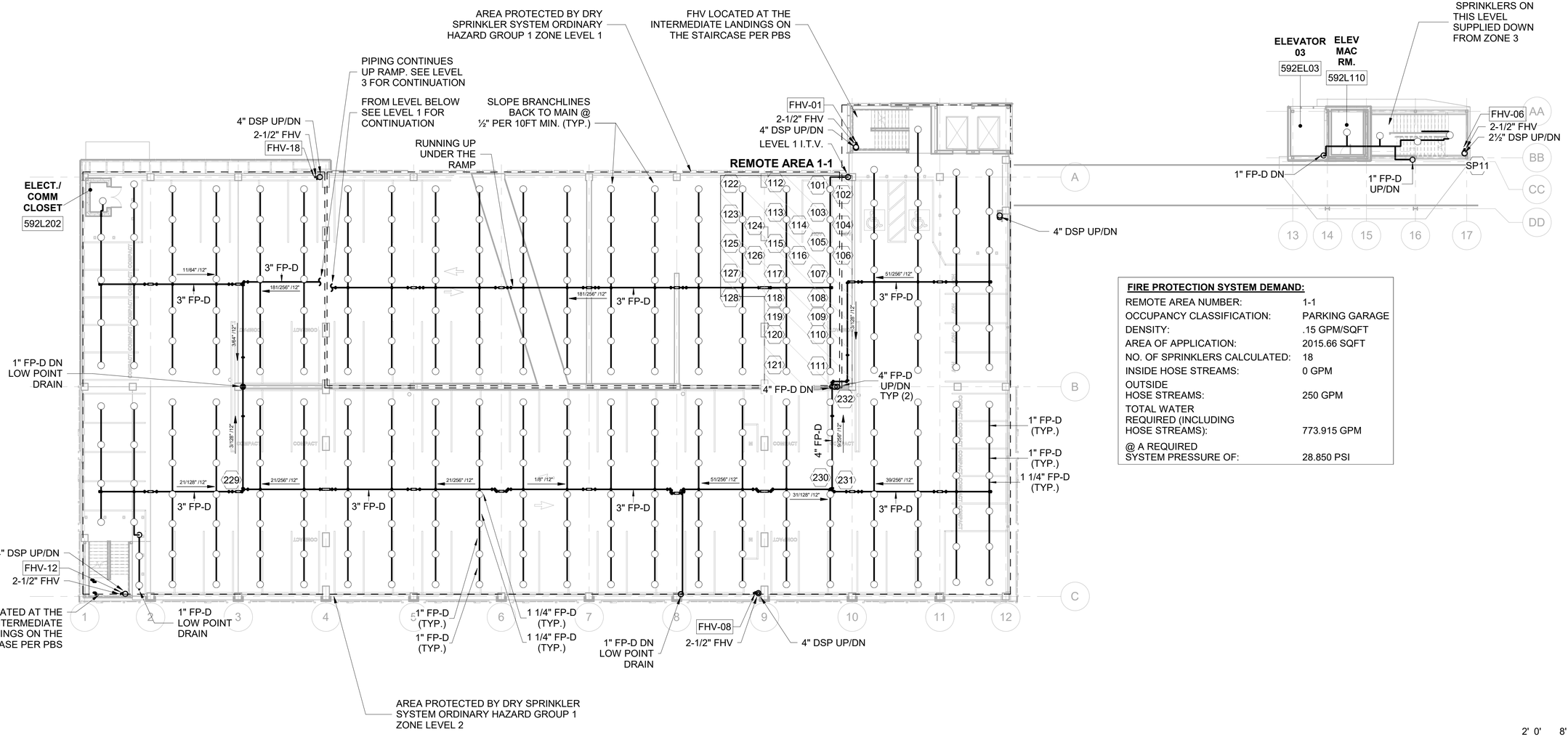
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SARA ROBERTS	10/26/2022	GREG SHIMIZU	10/26/2022

SCALE: 1/16" = 1'-0"
FILENAME: S317-F1592-F_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS

MECHANICAL
FIRE PROTECTION PLAN
LEVEL 1 - OVERALL

DRAWING No.: F1592-MFP101
FACILITY ID: F1592
SHEET No.: 477
REV.: 0



FIRE PROTECTION SYSTEM DEMAND:

REMOTE AREA NUMBER:	1-1
OCCUPANCY CLASSIFICATION:	PARKING GARAGE
DENSITY:	.15 GPM/SQFT
AREA OF APPLICATION:	2015.66 SQFT
NO. OF SPRINKLERS CALCULATED:	18
INSIDE HOSE STREAMS:	0 GPM
OUTSIDE HOSE STREAMS:	250 GPM
TOTAL WATER REQUIRED (INCLUDING HOSE STREAMS):	773.915 GPM
@ A REQUIRED SYSTEM PRESSURE OF:	28.850 PSI

N

2' 0' 8' 16' 32'

SCALE IN FEET

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FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	ML	JJ	JJ	FINAL AS-BUILT

DESIGNED BY: M. LONG
DRAWN BY: M. LONG
CHECKED BY: J. JOHNSON
APPROVED BY: J. JOHNSON

COSCO Fire Protection
SUBMITTED BY: SARA ROBERTS

HENSEL PHELPS Plan. Build. Manage. kpff
DATE: 10/26/2022
REVIEWED BY: GREG SHIMIZU

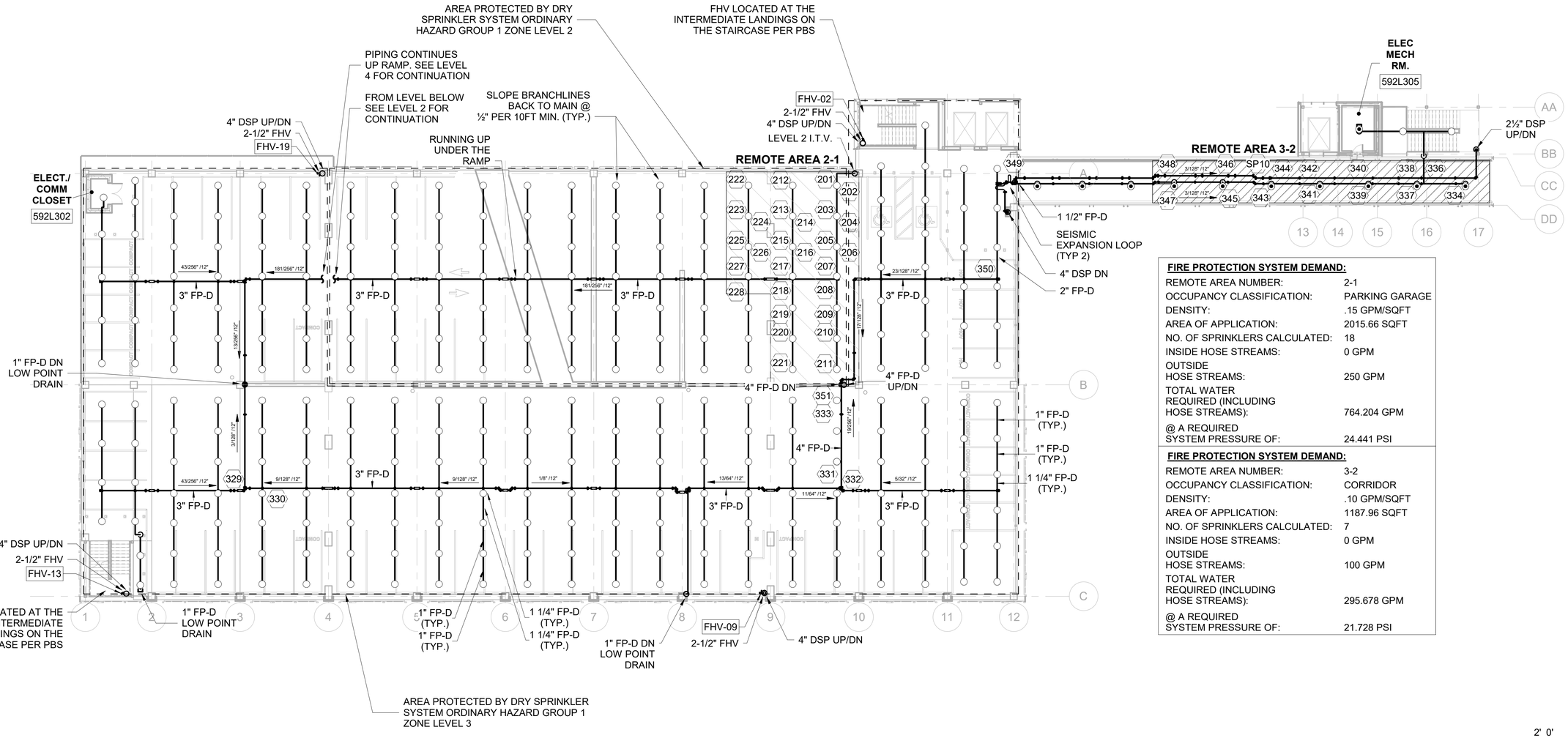
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SOUNDTRANSIT
DATE: 10/26/2022

SCALE: 1/16" = 1'-0"
FILENAME: S317-F1592-F_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
MECHANICAL
FIRE PROTECTION PLAN
LEVEL 2 - OVERALL

DRAWING No.: F1592-MFP201
FACILITY ID: F1592
SHEET No.: 478
REV.: 0



FIRE PROTECTION SYSTEM DEMAND:

REMOTE AREA NUMBER:	2-1
OCCUPANCY CLASSIFICATION:	PARKING GARAGE
DENSITY:	.15 GPM/SQFT
AREA OF APPLICATION:	2015.66 SQFT
NO. OF SPRINKLERS CALCULATED:	18
INSIDE HOSE STREAMS:	0 GPM
OUTSIDE HOSE STREAMS:	250 GPM
TOTAL WATER REQUIRED (INCLUDING HOSE STREAMS):	764.204 GPM
@ A REQUIRED SYSTEM PRESSURE OF:	24.441 PSI

FIRE PROTECTION SYSTEM DEMAND:

REMOTE AREA NUMBER:	3-2
OCCUPANCY CLASSIFICATION:	CORRIDOR
DENSITY:	.10 GPM/SQFT
AREA OF APPLICATION:	1187.96 SQFT
NO. OF SPRINKLERS CALCULATED:	7
INSIDE HOSE STREAMS:	0 GPM
OUTSIDE HOSE STREAMS:	100 GPM
TOTAL WATER REQUIRED (INCLUDING HOSE STREAMS):	295.678 GPM
@ A REQUIRED SYSTEM PRESSURE OF:	21.728 PSI

N

2' 0' 8' 16' 32'

SCALE IN FEET

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	ML	JJ	JJ	FINAL AS-BUILT

DESIGNED BY: M. LONG
DRAWN BY: M. LONG
CHECKED BY: J. JOHNSON
APPROVED BY: J. JOHNSON

COSCO Fire Protection

HENSEL PHELPS Plan. Build. Manage.
kpff

SUBMITTED BY: SARA ROBERTS
DATE: 10/26/2022
REVIEWED BY: GREG SHIMIZU
DATE: 10/26/2022

LINE IS 1" AT FULL SCALE

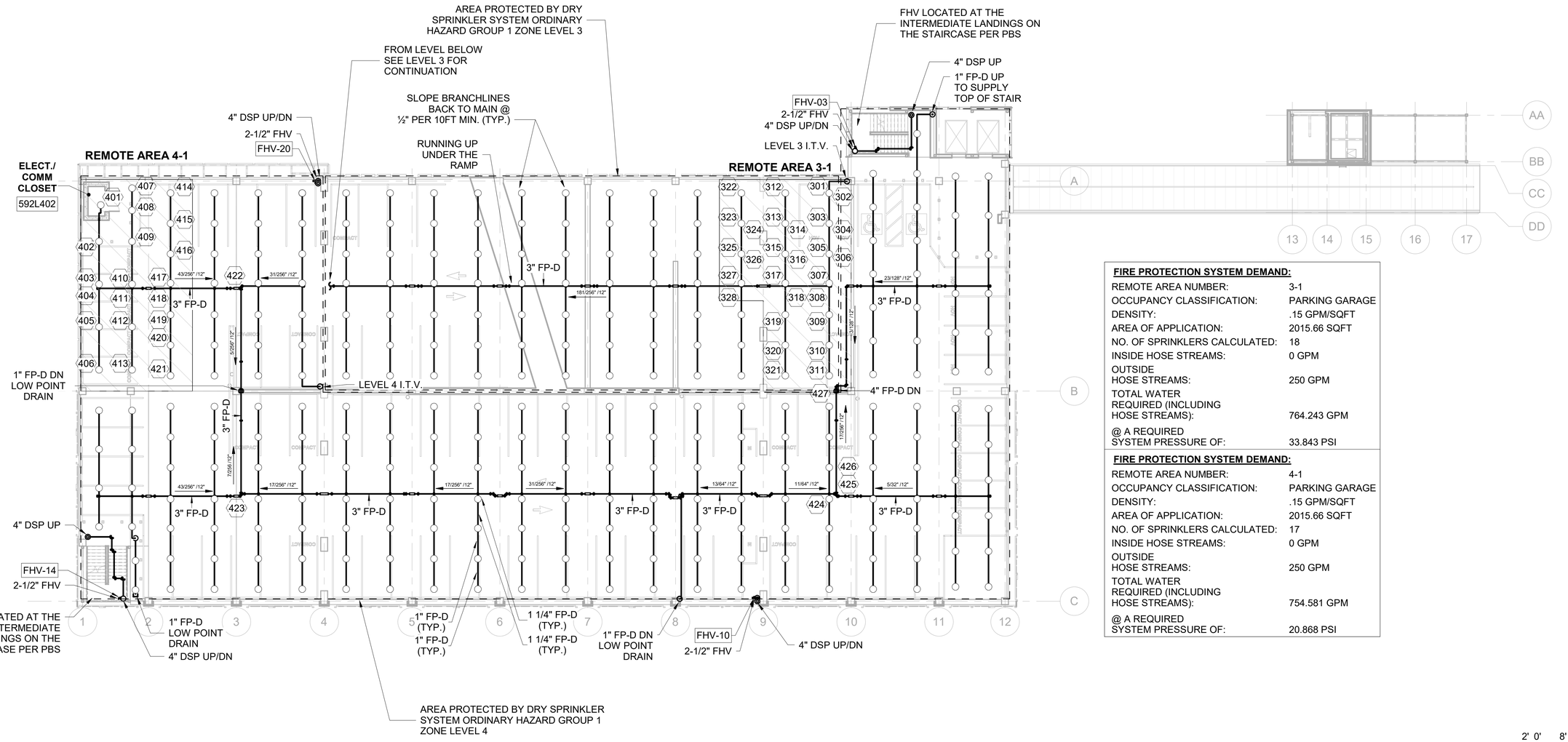
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FILENAME: S317-F1592-F_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
MECHANICAL
FIRE PROTECTION PLAN
LEVEL 3 - OVERALL

DRAWING No.: F1592-MFP301
FACILITY ID: F1592
SHEET No.: 479
REV.: 0

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FIRE PROTECTION SYSTEM DEMAND:

REMOTE AREA NUMBER:	3-1
OCCUPANCY CLASSIFICATION:	PARKING GARAGE
DENSITY:	.15 GPM/SQFT
AREA OF APPLICATION:	2015.66 SQFT
NO. OF SPRINKLERS CALCULATED:	18
INSIDE HOSE STREAMS:	0 GPM
OUTSIDE HOSE STREAMS:	250 GPM
TOTAL WATER REQUIRED (INCLUDING HOSE STREAMS):	764.243 GPM
@ A REQUIRED SYSTEM PRESSURE OF:	33.843 PSI

FIRE PROTECTION SYSTEM DEMAND:

REMOTE AREA NUMBER:	4-1
OCCUPANCY CLASSIFICATION:	PARKING GARAGE
DENSITY:	.15 GPM/SQFT
AREA OF APPLICATION:	2015.66 SQFT
NO. OF SPRINKLERS CALCULATED:	17
INSIDE HOSE STREAMS:	0 GPM
OUTSIDE HOSE STREAMS:	250 GPM
TOTAL WATER REQUIRED (INCLUDING HOSE STREAMS):	754.581 GPM
@ A REQUIRED SYSTEM PRESSURE OF:	20.868 PSI

N

2' 0' 8' 16' 32'

SCALE IN FEET

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	ML	JJ	JJ	FINAL AS-BUILT

DESIGNED BY: M. LONG
DRAWN BY: M. LONG
CHECKED BY: J. JOHNSON
APPROVED BY: J. JOHNSON

COSCO Fire Protection

HENSEL PHELPS Plan. Build. Manage.
kpff

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT

SUBMITTED BY: SARA ROBERTS
DATE: 10/26/2022
REVIEWED BY: GREG SHIMIZU
DATE: 10/26/2022

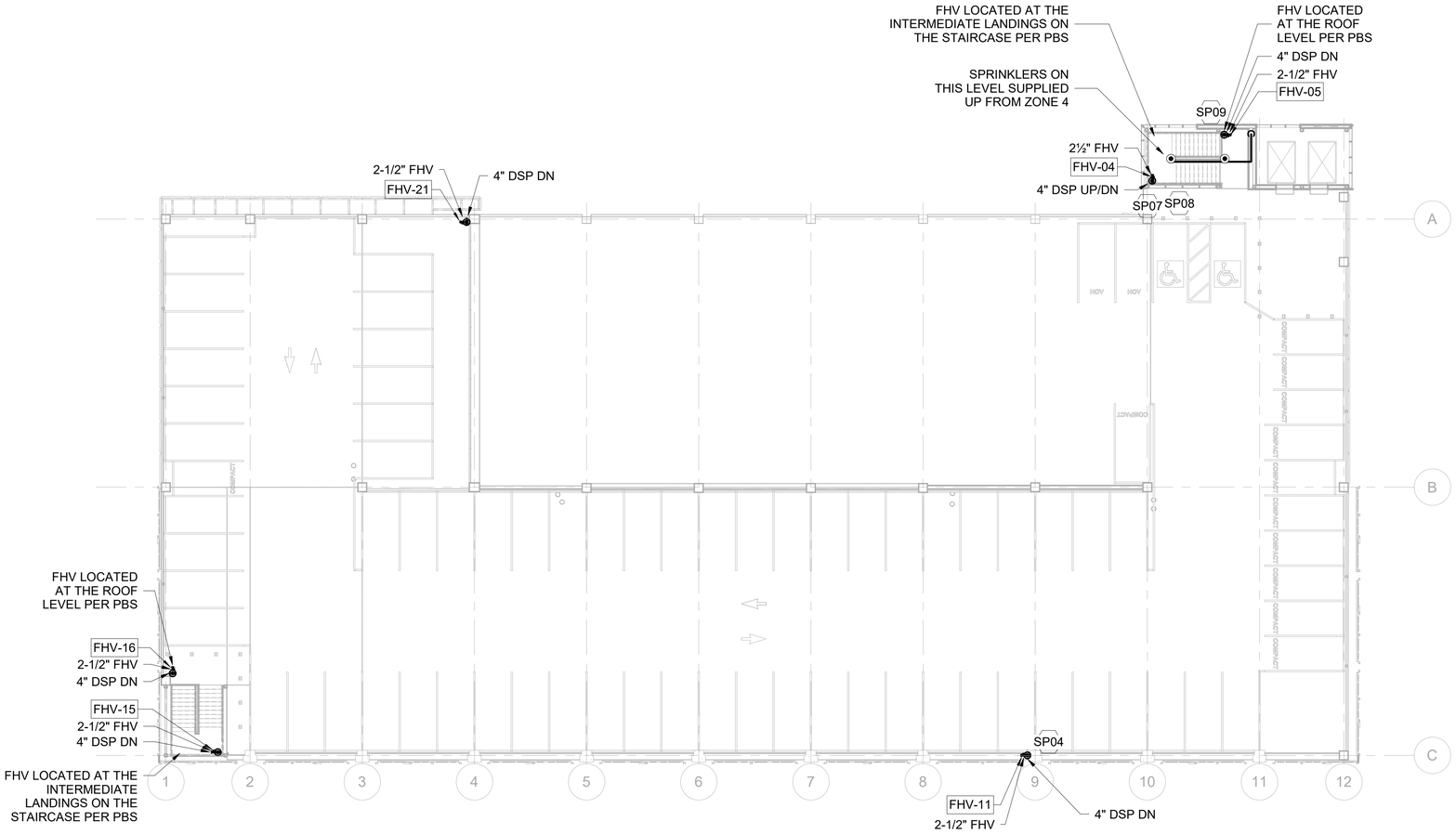
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CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS

MECHANICAL
FIRE PROTECTION PLAN
LEVEL 4 - OVERALL

DRAWING No.: F1592-MFP401
FACILITY ID: F1592
SHEET No.: 480
REV: 0

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FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	ML	JJ	JJ	FINAL AS-BUILT

DESIGNED BY: M. LONG
DRAWN BY: M. LONG
CHECKED BY: J. JOHNSON
APPROVED BY: J. JOHNSON

COSCO Fire Protection
SUBMITTED BY: SARA ROBERTS

HENSEL PHELPS Plan. Build. Manage.
kpff
DATE: 10/26/2022
REVIEWED BY: GREG SHIMIZU

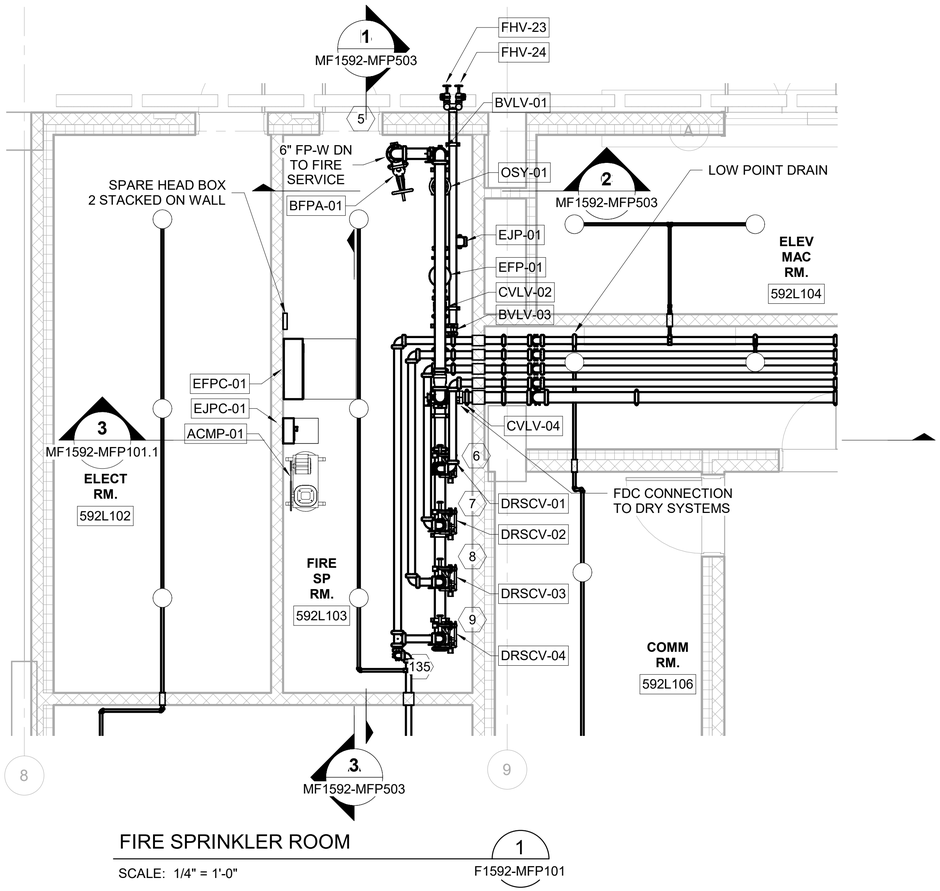
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SOUNDTRANSIT
DATE: 10/26/2022

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FILENAME: S317-F1592-F_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
MECHANICAL
FIRE PROTECTION PLAN
LEVEL 5 - OVERALL

DRAWING No.: F1592-MFP501
FACILITY ID: F1592
SHEET No: 481
REV: 0



FIRE SPRINKLER ROOM

SCALE: 1/4" = 1'-0"

1
F1592-MFP101

N

1' 0 2' 4' 8'

SCALE IN FEET

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FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	ML	JJ	JJ	FINAL AS-BUILT

DESIGNED BY: M. LONG
DRAWN BY: M. LONG
CHECKED BY: J. JOHNSON
APPROVED BY: J. JOHNSON

COSCO Fire Protection
SUBMITTED BY: SARA ROBERTS

HENSEL PHELPS
Plan. Build. Manage.
kpff
DATE: 10/26/2022
REVIEWED BY: GREG SHIMIZU

LINE IS 1" AT FULL SCALE

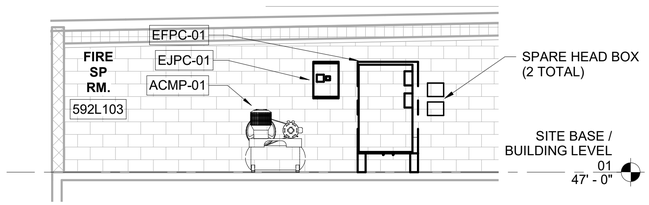
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DATE: 10/26/2022

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CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS

MECHANICAL
FIRE PROTECTION
ENLARGED PLANS

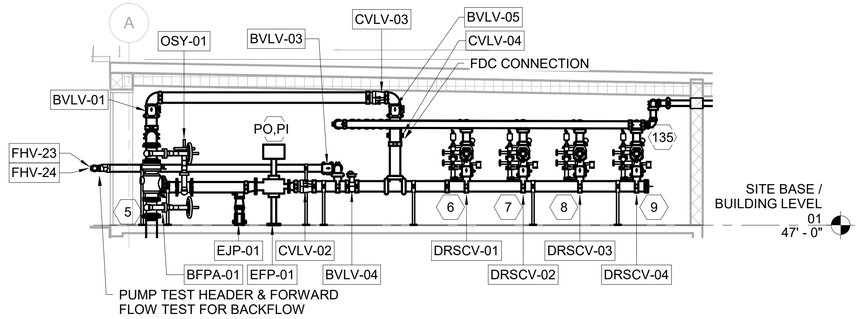
DRAWING No.: F1592-MFD830
FACILITY ID: F1592
SHEET No.: 482
REV.: 0



FIRE SPRINKLER ROOM - WEST (A)

SCALE: 1/4" = 1'-0"

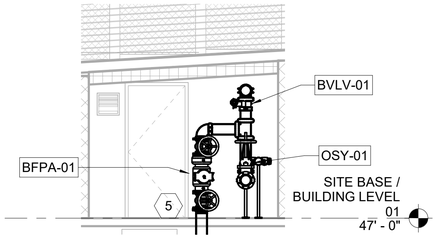
F1592-MFD830



FIRE SPRINKLER ROOM - EAST (B)

SCALE: 1/4" = 1'-0"

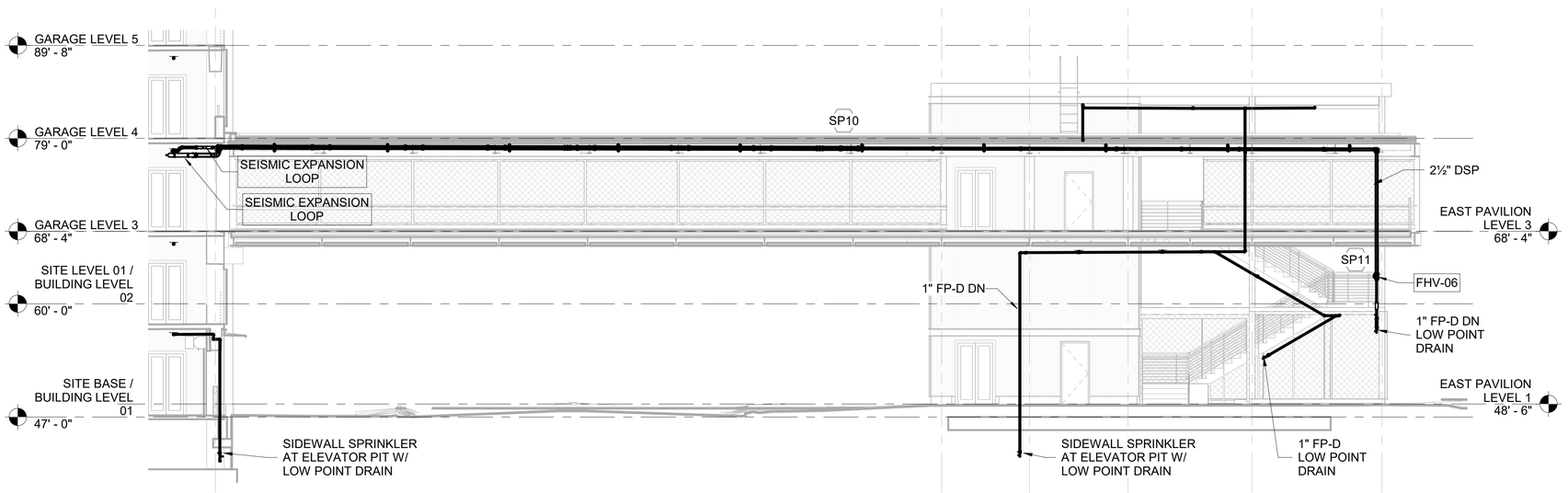
F1592-MFD830



FIRE SPRINKLER ROOM - NORTH (C)

SCALE: 1/4" = 1'-0"

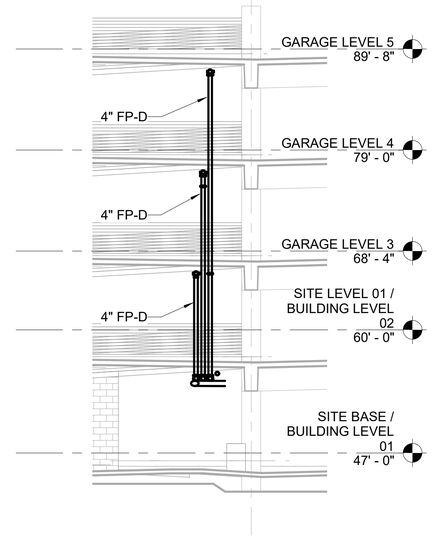
F1592-MFD830



BRIDGE SECTION (D)

SCALE: 1/8" = 1'-0"

F1592-MFP101



SPRINKLER RISERS (E)

SCALE: 1/8" = 1'-0"

F1592-MFP101

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FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	ML	JJ	JJ	FINAL AS-BUILT

DESIGNED BY: M. LONG
DRAWN BY: M. LONG
CHECKED BY: J. JOHNSON
APPROVED BY: J. JOHNSON

COSCO Fire Protection

HENSEL PHELPS Plan. Build. Manage.

kpff

SUBMITTED BY: SARA ROBERTS
DATE: 10/26/2022
REVIEWED BY: GREG SHIMIZU
DATE: 10/26/2022

LINE IS 1" AT FULL SCALE

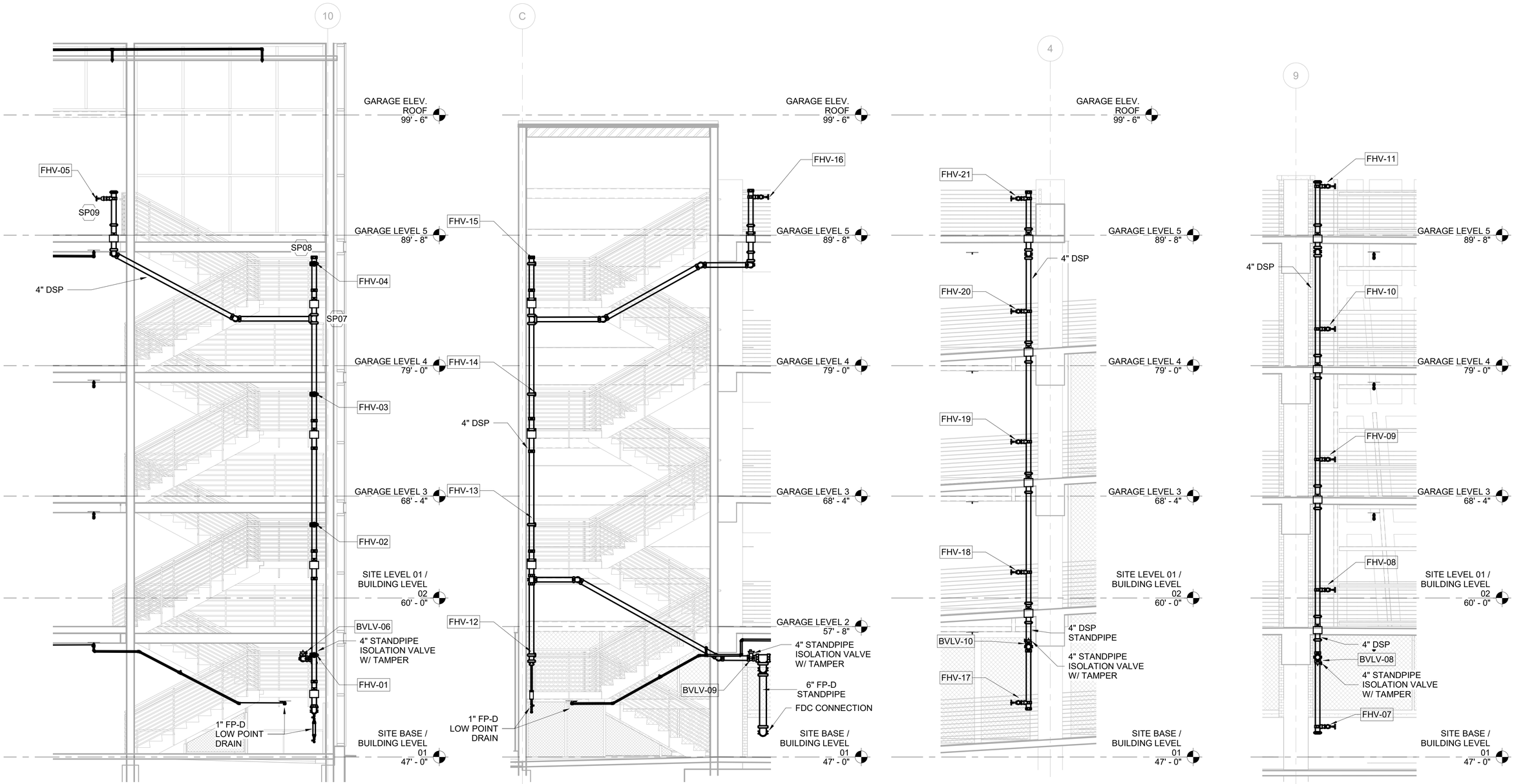
SOUNDTRANSIT

SCALE: AS NOTED
FILENAME: S317-F1592-F_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS

MECHANICAL
FIRE PROTECTION
SECTIONS

DRAWING No.: **F1592-MFX100**
FACILITY ID: F1592
SHEET No.: 483
REV.: 0



NORTH STAIR STANDPIPE — A — F1592-MFP101
SCALE: 1/4" = 1'-0"

SOUTH STAIR STANDPIPE — B — F1592-MFP101
SCALE: 1/4" = 1'-0"

NORTHWEST STANDPIPE — C — F1592-MFP101
SCALE: 1/4" = 1'-0"

SOUTHEAST STANDPIPE — D — F1592-MFP101
SCALE: 1/4" = 1'-0"

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FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	ML	JJ	JJ	FINAL AS-BUILT

DESIGNED BY: M. LONG
DRAWN BY: M. LONG
CHECKED BY: J. JOHNSON
APPROVED BY: J. JOHNSON

COSCO Fire Protection
HENSEL PHELPS Plan. Build. Manage.
kpff
SOUNDTRANSIT

SUBMITTED BY: SARA ROBERTS
DATE: 10/26/2022
REVIEWED BY: GREG SHIMIZU
DATE: 10/26/2022

LINE IS 1" AT FULL SCALE

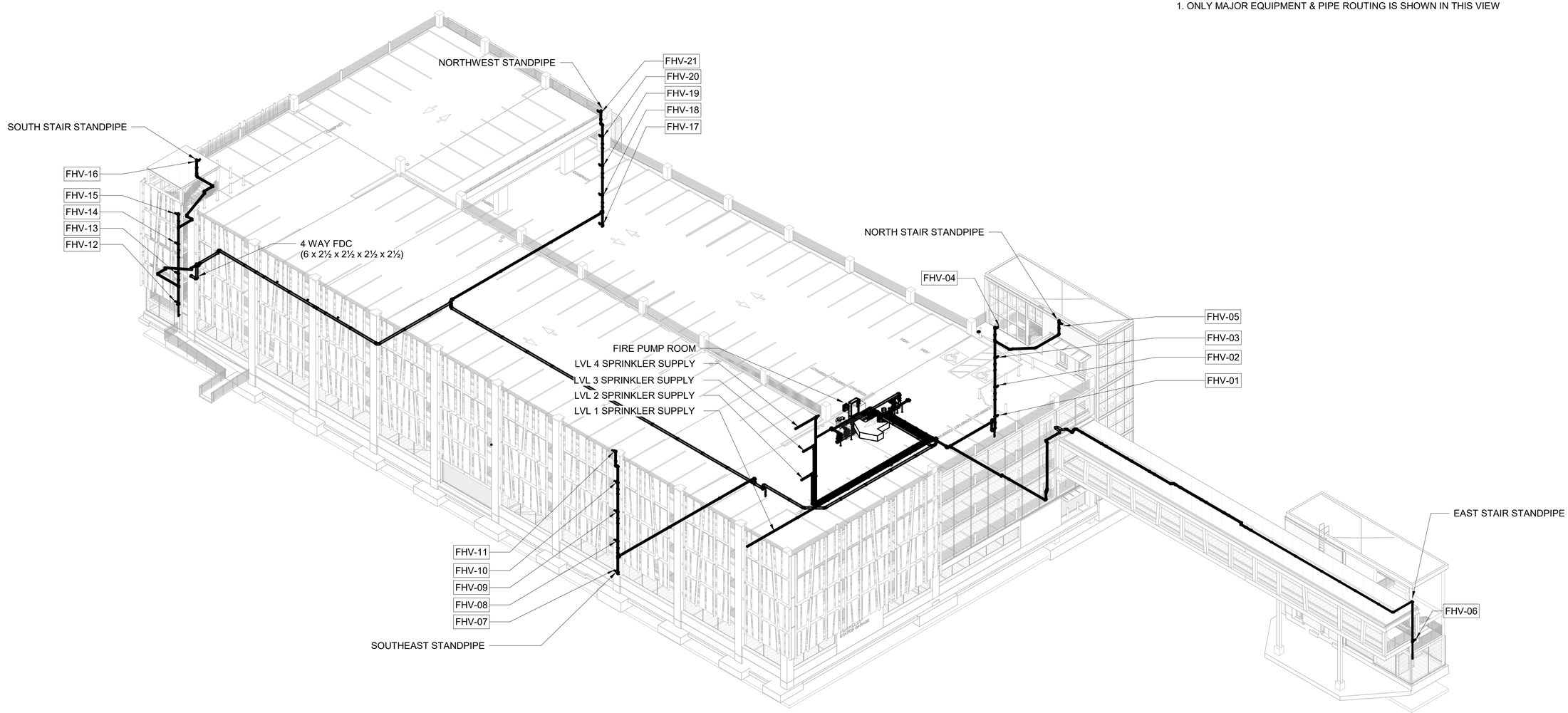
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FILENAME: S317-F1592-F_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
MECHANICAL
FIRE PROTECTION
SECTIONS

DRAWING No.: F1592-MFX101
FACILITY ID: F1592
SHEET No.: 484
REV.: 0

NOTES:

1. ONLY MAJOR EQUIPMENT & PIPE ROUTING IS SHOWN IN THIS VIEW



FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	ML	JJ	JJ	FINAL AS-BUILT

DESIGNED BY: M. LONG
DRAWN BY: M. LONG
CHECKED BY: J. JOHNSON
APPROVED BY: J. JOHNSON

COSCO Fire Protection
SUBMITTED BY: SARA ROBERTS
DATE: 10/26/2022

HENSEL PHELPS Plan. Build. Manage.
kpff
REVIEWED BY: GREG SHIMIZU
DATE: 10/26/2022

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT
SUBMITTAL DATE: 10/26/2022

SCALE: NTS
FILENAME: S317-F1592-F_v2020
CONTRACT No.: RTA/CN 0612-18

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
MECHANICAL
FIRE PROTECTION
RISER DIAGRAM

DRAWING No.: F1592-MFS930
FACILITY ID: F1592
SHEET No: 485
REV: 0

6/23/2022 11:05:37 AM
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AIR COMPRESSOR SCHEDULE

MARK	BASIS OF DESIGN MFR/MODEL	LOCATION	PRESSURE (PSIG)	ELECTRICAL		NOTES
				HP	V/PH/HZ	
ACMP-01	GENERAL AIR PRODUCTS / OLT-PLUS	FIRE PUMP/RISER FIRE SP ROOM	40	1	480V/3PH/60 HZ	1, 2, 3, 4

NOTES:

1. AIR COMPRESSOR SHALL INCLUDE ALL ASSOCIATED PIPING AND AUTOMATIC DRAINS AS NECESSARY FOR PROPER INSTALLATION AND CONNECTION TO SPRINKLER SYSTEM.
2. MOTOR SHALL BE DIRECT DRIVE.
3. PROVIDE WITH MAGNETIC LINE STARTER.
4. PROVIDE (1) AIR MAINTENANCE DEVICE FOR EACH DRY PIPE VALVE. REFER TO DRY PIPE VALVE SCHEDULE FOR TOTAL QUANTITY OF VALVES.

DRY PIPE VALVE SCHEDULE

MARK	BASIS OF DESIGN	LOCATION	VOLUME	NOTES
DRSCV-01	VICTAULIC FIRELOCK 768N	FIRE PUMP / RISER FIRE SP ROOM	445.55 GALLONS	1
DRSCV-02	VICTAULIC FIRELOCK 768N	FIRE PUMP / RISER FIRE SP ROOM	479.39 GALLONS	1
DRSCV-03	VICTAULIC FIRELOCK 768N	FIRE PUMP / RISER FIRE SP ROOM	378.55 GALLONS	1
DRSCV-04	VICTAULIC FIRELOCK 768N	FIRE PUMP / RISER FIRE SP ROOM	470.18 GALLONS	1

NOTES:

1. REFER TO SPECIFICATION 21 11 00 FOR ADDITIONAL REQUIREMENTS

BACKFLOW PREVENTER SCHEDULE

MARK	BASIS OF DESIGN	LOCATION	NOTES
BFPA-01	ZURN WILKINS 350DA	FIRE PUMP / RISER FIRE SP ROOM	1

NOTES:

1. REFER TO SPECIFICATION 21 11 00 FOR ADDITIONAL REQUIREMENTS

FIRE DEPARTMENT CONNECTION SCHEDULE

MARK	BASIS OF DESIGN MFR./MODEL	SERVES	LOCKING CAP	NOTES
FDC-01	POTTER ROEMER	GARAGE SPRINKLERS & STANDPIPE	TBD	1, 2

NOTES:

1. INLET STYLE 4 WAY FDC (6 x 2½ x 2½ x 2½ x 2½)
2. RATED 300 PSI WORKING WATER PRESSURE.

BUTTERFLY VALVE SCHEDULE

Mark	BASIS OF DESIGN	Room & Location	NOTES
BVLV-01	VICTAULIC FIRELOCK 705	FIRE PUMP / RISER FIRE SP ROOM	1, 2, 3, 4, 5
BVLV-03	VICTAULIC FIRELOCK 707C	FIRE PUMP / RISER FIRE SP ROOM	1, 2, 3, 4, 6
BVLV-04	VICTAULIC FIRELOCK 705	FIRE PUMP / RISER FIRE SP ROOM	1, 2, 3, 4, 5
BVLV-05	VICTAULIC FIRELOCK 705	FIRE PUMP / RISER FIRE SP ROOM	1, 2, 3, 4, 5
BVLV-06	VICTAULIC FIRELOCK 705	GARAGE	1, 2, 3, 4, 5
BVLV-07	VICTAULIC FIRELOCK 705	GARAGE	1, 2, 3, 4, 5
BVLV-08	VICTAULIC FIRELOCK 705	GARAGE	1, 2, 3, 4, 5
BVLV-09	VICTAULIC FIRELOCK 705	GARAGE	1, 2, 3, 4, 5
BVLV-10	VICTAULIC FIRELOCK 705	GARAGE	1, 2, 3, 4, 5

NOTES:

1. VALVE SHALL BE ACCEPTABLE TO BE MOUNTED HORIZONTALLY OR VERTICALLY.
2. RATED 300 PSI WORKING WATER PRESSURE.
3. REFER TO SPECIFICATION 21 11 00 FOR ADDITIONAL REQUIREMENTS.
4. WITH TAMPER SWITCH (WIRED BY OTHERS)
5. SUPERVISED "OPEN"
6. SUPERVISED "CLOSED"

CHECK VALVE SCHEDULE

MARK	BASIS OF DESIGN	LOCATION	NOTES
CVLV-02	VICTAULIC FIRELOCK 717	FIRE PUMP / RISER FIRE SP ROOM	1, 2, 3, 4
CVLV-03	VICTAULIC FIRELOCK 717	FIRE PUMP / RISER FIRE SP ROOM	1, 2, 3, 4
CVLV-04	VICTAULIC FIRELOCK 717	FIRE PUMP / RISER FIRE SP ROOM	1, 2, 3, 4

NOTES:

1. VALVE SHALL BE ACCEPTABLE TO BE MOUNTED HORIZONTALLY OR VERTICALLY.
2. RATED 365 PSI WORKING WATER PRESSURE.
3. REFER TO SPECIFICATION 21 11 00 FOR ADDITIONAL REQUIREMENTS.
4. PROVIDE CHECK VALVE WITH BALL DRIP.

JOCKEY FIRE PUMP SCHEDULE

MARK	BASIS OF DESIGN	Model	Flow	Flow Pressure	LOCATION	HP	VOLTAGE/PHASE
EJP-01	GRUNDFOS	CR 3-11	10 GPM	131.00 psi	FIRE PUMP/RISER FIRE SP ROOM	2	460V/3PH

FIRE PUMP SCHEDULE

MARK	BASIS OF DESIGN	Model	Flow	Flow Pressure	LOCATION	HP	VOLTAGE/PHASE
EFP-01	PATTERSON	5 x 3 VIP	500 GPM	102.00 psi	FIRE PUMP / RISER FIRE SP ROOM	40	460V/3PH

FIRE HOSE VALVE SCHEDULE

MARK	BASIS OF DESIGN	LOCATION	NOTES
FHV-01	ELKHART U-30-2.5 OR URFA-25-2.5	STAIR 1	1
FHV-02	ELKHART U-30-2.5 OR URFA-25-2.5	STAIR 1	1
FHV-03	ELKHART U-30-2.5 OR URFA-25-2.5	STAIR 1	1
FHV-04	ELKHART U-30-2.5 OR URFA-25-2.5	STAIR 1	1
FHV-05	ELKHART U-30-2.5 OR URFA-25-2.5	STAIR 1	1
FHV-06	ELKHART U-30-2.5 OR URFA-25-2.5	STAIR 3	1
FHV-07	ELKHART U-30-2.5 OR URFA-25-2.5	GARAGE	1
FHV-08	ELKHART U-30-2.5 OR URFA-25-2.5	GARAGE	1
FHV-09	ELKHART U-30-2.5 OR URFA-25-2.5	GARAGE	1
FHV-10	ELKHART U-30-2.5 OR URFA-25-2.5	GARAGE	1
FHV-11	ELKHART U-30-2.5 OR URFA-25-2.5	GARAGE	1
FHV-12	ELKHART U-30-2.5 OR URFA-25-2.5	STAIR 2	1
FHV-13	ELKHART U-30-2.5 OR URFA-25-2.5	STAIR 2	1
FHV-14	ELKHART U-30-2.5 OR URFA-25-2.5	STAIR 2	1
FHV-15	ELKHART U-30-2.5 OR URFA-25-2.5	STAIR 2	1
FHV-16	ELKHART U-30-2.5 OR URFA-25-2.5	STAIR 2	1
FHV-17	ELKHART U-30-2.5 OR URFA-25-2.5	GARAGE	1
FHV-18	ELKHART U-30-2.5 OR URFA-25-2.5	GARAGE	1
FHV-19	ELKHART U-30-2.5 OR URFA-25-2.5	GARAGE	1
FHV-20	ELKHART U-30-2.5 OR URFA-25-2.5	GARAGE	1
FHV-21	ELKHART U-30-2.5 OR URFA-25-2.5	GARAGE	1
FHV-23	ELKHART U-30-2.5 OR URFA-25-2.5	FIRE PUMP / RISER FIRE SP ROOM	1
FHV-24	ELKHART U-30-2.5 OR URFA-25-2.5	FIRE PUMP / RISER FIRE SP ROOM	1

NOTES:

1. ALL FIRE HOSE VALVES SHALL BE 2-1/2" ANGLE VALVES EQUIPPED WITH A 2-1/2" CAP.

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FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	ML	JJ	JJ	FINAL AS-BUILT

DESIGNED BY: M. LONG
DRAWN BY: M. LONG
CHECKED BY: J. JOHNSON
APPROVED BY: J. JOHNSON

COSCO Fire Protection
SUBMITTED BY: SARA ROBERTS

HENSEL PHELPS Plan. Build. Manage.
kpff
DATE: 10/26/2022

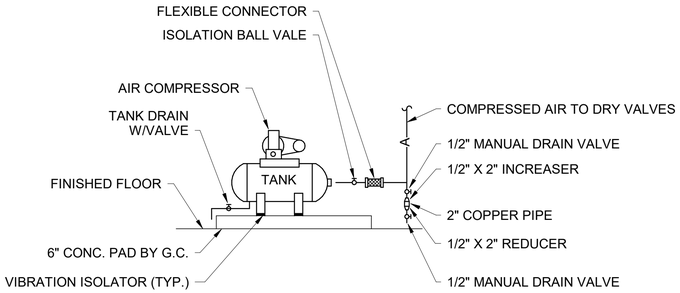
LINE IS 1" AT FULL SCALE

SOUNDTRANSIT
REVIEWED BY: GREG SHIMIZU
DATE: 10/26/2022

SCALE: NTS
FILENAME: S317-F1592-F_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

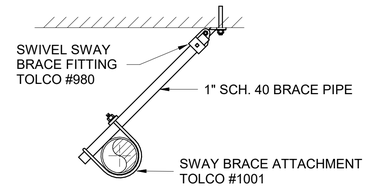
PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
MECHANICAL
FIRE PROTECTION
SCHEDULES

DRAWING No.: F1592-MFS950
FACILITY ID: F1592
SHEET No: 486
REV: 0



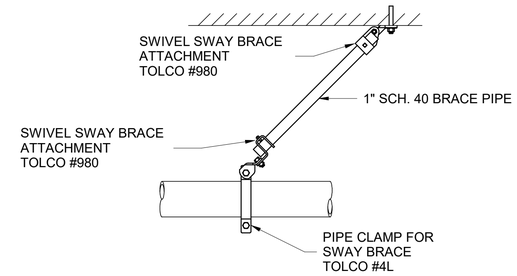
DRY PIPE FIRE COMPRESSOR DETAIL 1

SCALE: NTS -



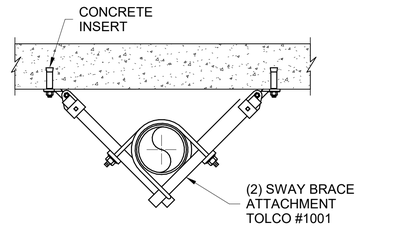
LATERAL SWAY BRACE 2

SCALE: NTS -



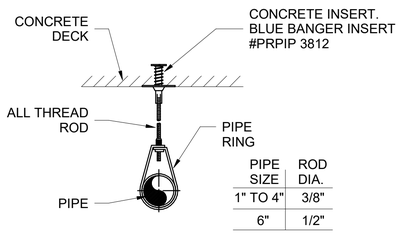
LONGITUDINAL SWAY BRACE 3

SCALE: NTS -



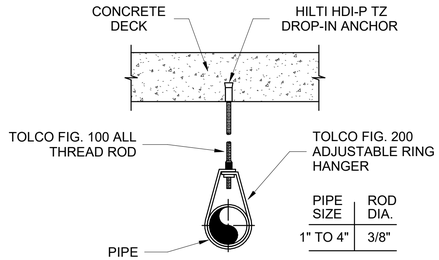
RISER BRACE DETAIL 4

SCALE: NTS -



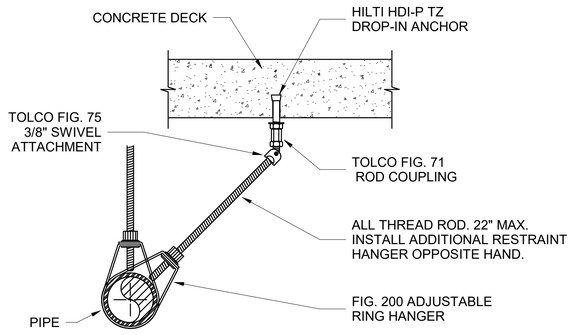
CONCRETE INSERT 5

SCALE: NTS -



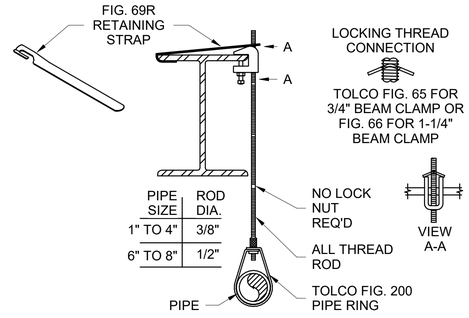
DROP-IN ANCHOR 6

SCALE: NTS -



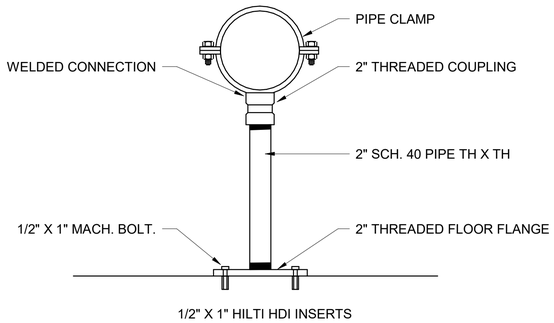
BRANCHLINE RESTRAINT 7

SCALE: NTS -



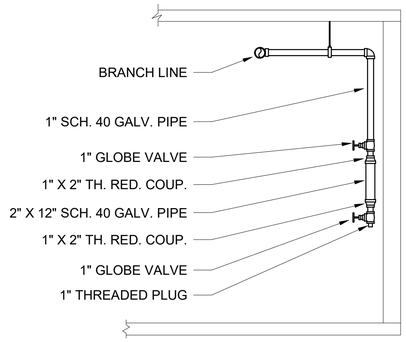
TOP BEAM CLAMP 8

SCALE: NTS -



PIPE STAND 9

SCALE: NTS -



DRUM DRIP 10

SCALE: NTS -

6/23/2022 11:04:52 AM
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FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	ML	JJ	JJ	FINAL AS-BUILT

DESIGNED BY: M. LONG
DRAWN BY: M. LONG
CHECKED BY: J. JOHNSON
APPROVED BY: J. JOHNSON

COSCO Fire Protection
SUBMITTED BY: SARA ROBERTS

HENSEL PHELPS Plan. Build. Manage. kpff
DATE: 10/26/2022

REVIEWED BY: GREG SHIMIZU
DATE: 10/26/2022

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT

SCALE: NTS
FILENAME: S317-F1592-F_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

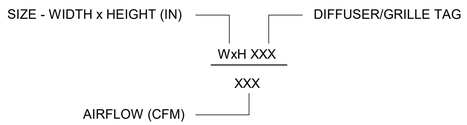
PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
MECHANICAL
FIRE PROTECTION
DETAILS

DRAWING No.: F1592-MFD900
FACILITY ID: F1592
SHEET No.: 487
REV.: 0

ABBREVIATIONS

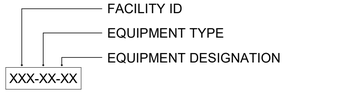
ACU	AIR CONDITIONING UNIT
DDC	BUILDING MANAGEMENT SYSTEM
CFM	CUBIC FEET PER MINUTE
COM/COMM	COMMUNICATION
COP	COEFFICIENT OF PERFORMANCE
CT	COMMUNITY TRANSIT
CTRL	CONTROL
CDU	CONDENSING UNIT
dBA	A-WEIGHTED DECIBEL
DH	DUCT HEATER
EA	EXHAUST AIR
EC	ELECTRICAL CONTRACTOR
ECM	ELECTRICALLY COMMUTED MOTOR
EER	ENERGY EFFICIENCY RATING
EFAN	EXHAUST FAN
EH	EXHAUST HOOD
ELEC	ELECTRICAL
ELV/ELEV	ELEVATOR
ERU	ENERGY RECOVERY UNIT
ESC./ESCAL	ESCALATOR
FSD	FIRE SMOKE DAMPER
FT	FEET
HOA	HAND-OFF-AUTO
HPMP	FAN COIL HEAT PUMP
HSPF	HEATING SEASONAL PERFORMANCE FACTOR
HTR	ELECTRICAL HEATER
IH	INTAKE HOOD
IN	INCH
IN H2O	INCHES OF WATER (UNIT OF PRESSURE)
JAN	JANITOR
M/N	MODEL NUMBER
MACH	MACHINE
MAX	MAXIMUM
MBH	THOUSAND BTU/HR
MC	MECHANICAL CONTRACTOR
MCA	MINIMUM CIRCUIT AMPERAGE
MDPR	MOTORIZED DAMPER
MERV	MINIMUM EFFICIENCY REPORTING VALUE
MIN	MINIMUM
MOP	MAXIMUM OVERCURRENT PROTECTION
MS/TP	MASTER-SLAVE / TOKEN PASSING
NA, N/A	NOT APPLICABLE
OA	OUTSIDE AIR
OBC	ON BOARD CONTROLLER
OED	OPEN ENDED DUCT W/ SCREEN
PPM	PARTS PER MILLION
RA	RETURN AIR
RH	RELIEF HOOD
RM	ROOM
SA	SUPPLY AIR
SEER	SEASONAL ENERGY EFFICIENCY RATING
SFAN	SUPPLY FAN
SL	SOUND LINED
SQ	SQUARE
TA	TRANSFER AIR
TBD	TO BE DETERMINED
UPS	UNINTERRUPTED POWER SUPPLY
VFD	VARIABLE FREQUENCY DRIVE

MECHANICAL GRILLE AND DIFFUSER LEGEND



SYMBOLS & LEGEND

MECHANICAL EQUIPMENT TAG LEGEND

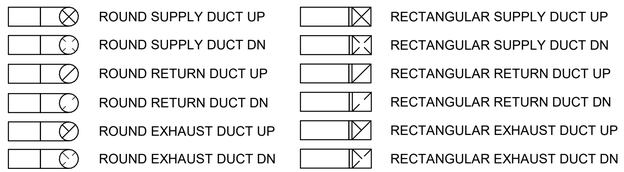


NOTE:

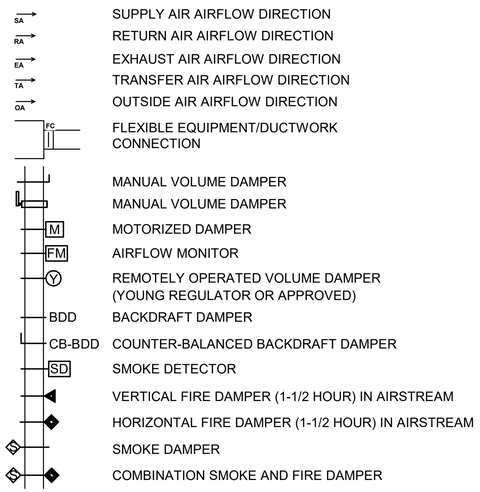
EQUIPMENT NAMES ARE NOT SHOWN WITH FACILITY ID FOR CLARITY, ALL EQUIPMENT STARTS WITH "592-". PROVIDE FACILITY ID PREFIX ON ALL EQUIPMENT LABELS IN THE FIELD.

DUCTWORK SYMBOLS AND FITTINGS

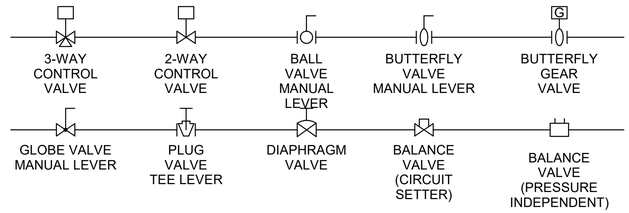




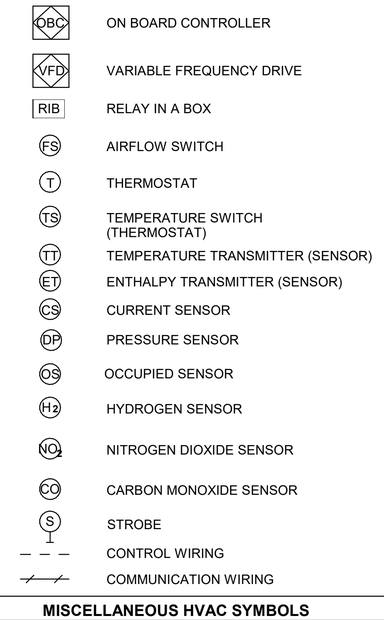
HVAC AND DUCTWORK ACCESSORIES



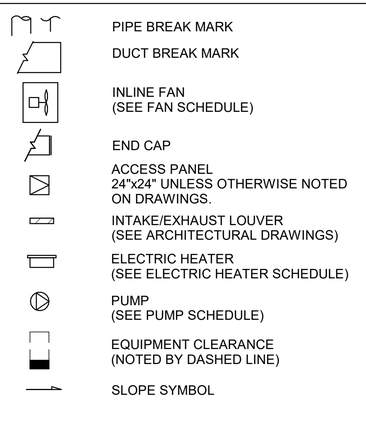
MECHANICAL GENERAL VALVES



CONTROL SYMBOLS



MISCELLANEOUS HVAC SYMBOLS



APPLICABLE CODES

CITY OF PUYALLUP

A. INTERNATIONAL BUILDING CODE (IBC), 2015 EDITION, AS AMENDED BY THE STATE OF WASHINGTON AND CITY OF PUYALLUP.
B. INTERNATIONAL FIRE CODE (IFC), 2015 EDITION, AS AMENDED BY THE STATE OF WASHINGTON AND CITY OF PUYALLUP.
C. INTERNATIONAL MECHANICAL CODE (IMC), 2015 EDITION, AS AMENDED BY THE STATE OF WASHINGTON AND CITY OF PUYALLUP.
D. WASHINGTON STATE ENERGY CODE, 2015 EDITION.

GENERAL NOTES:

DRAWING GENERAL NOTES:

1. ABBREVIATIONS AND SYMBOLS SHOWN HERE MAY INCLUDE ITEMS THAT ARE NOT PART OF THIS CONTRACT.
2. SEE PLUMBING PLANS FOR CONDENSATE PIPE ROUTING F1592-MPP101 - F1592MPP501, F1592-MPD830.
3. CONTROL WIRING ASSOCIATED WITH THE DIRECT OPERATION OF THE EQUIPMENT WITHIN THE SPACES IS SHOWN WITH SOLID LINES ON THE CONTROL DIAGRAMS. DDC SIGNAL WIRING IS SHOWN AS DASHED LINES ON THE CONTROL DIAGRAMS. COMMUNICATION WIRING IS SHOWN AS A SOLID LINE WITH HASH MARKS.
4. CONTRACTOR TO VERIFY SIZE OF ALL REFRIGERANT PIPE WITH MANUFACTURER FOR COORDINATION WITH FINAL EQUIPMENT SELECTION.
5. STRUCTURAL SUPPORT FOR MECHANICAL EQUIPMENT SHALL BE BIDDER DESIGNED BY CONTRACTOR.

DESIGN RECORD DRAWING UPDATES ARE BASED ON CONTRACTOR'S REDLINES. THE ITEMS AS SHOWN HAVE NOT BEEN INDEPENDENTLY VERIFIED BY RUSHING.

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	DK	LC	EV	FINAL AS-BUILT

DESIGNED BY: S. ZAKI
DRAWN BY: S. TUTHILL
CHECKED BY: L. COPPA
APPROVED BY: E. VANDER MEY

RUSHING Engineering - Essentials - Delivery
HENSEL PHELPS Plan. Build. Manage.
kpff
SOUNDTRANSIT

SUBMITTED BY: SARA ROBERTS
DATE: 10/26/2022
REVIEWED BY: GREG SHIMIZU
DATE: 10/26/2022

LINE IS 1" AT FULL SCALE

SCALE: NTS
FILENAME: S317-F1592-M_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
MECHANICAL
HVAC
GENERAL NOTES, SYMBOLS, LEGEND & ABBREVIATIONS

DRAWING No.: F1592-MZN003
FACILITY ID: F1592
SHEET No.: 488
REV.: 0

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CODE BASIS OF DESIGN

CATEGORY	BOD CRITERIA INPUT	SOURCE	ADDITIONAL SOURCE INFO
MECHANICAL: HVAC LOAD BASIS FOR PROJECT			
OA TEMP CODE	SUMMER OA DESIGN TEMP = 86°F DB, 67°F WB	2015 WSEC	APPENDIX C
OA TEMP PROJECT	SUMMER OA DESIGN TEMP = 86°F DB, 67°F WB	ASHRAE	ASHRAE 2017 FUNDAMENTALS OA DESIGN CONDITIONS
INDOOR TEMP CODE	INDOOR COOLING DESIGN TEMP MINIMUM = 75°F	2015 WSEC	SECTION C302.1
INDOOR TEMP PROJECT	INDOOR COOLING DESIGN TEMP = 75°F	PROJECT CRITERIA	PER 2015 WSEC
OA TEMP	WINTER OA DESIGN TEMP = 19°F DB	2015 WSEC	APPENDIX C
INDOOR TEMP CODE	INDOOR HEATING DESIGN TEMP MAXIMUM = 72°F	2015 WSEC	SECTION C302.1
INDOOR TEMP PROJECT	INDOOR HEATING DESIGN TEMP = 70°F	PROJECT CRITERIA	PER 2015 WSEC
HVAC LOAD METHODOLOGY	HVAC LOADS PER ASHRAE STANDARD 183	2015 WSEC	SECTION C403.2.1
EQUIPMENT SIZING	HVAC EQUIPMENT TO BE SIZED FOR NEXT AVAILABLE SIZE PER 2015 WSEC	2015 WSEC	SECTION C403.2.2 WSBCC INTERPRETATION 13-09
MECHANICAL: BASIS FOR COOLING AND HEATING HVAC LOADS			
ELECT/COMM CLOSET	LOCATION: LEVEL 2,3,4	ARCH DRAWINGS	
	USE:COMUNICATION CLOSET	SYSTEM DRAWING	
	LIGHTING LOAD: 0.76 W/SF (ELECT/MECH)	2015 WSEC	TABLE C405.4.2(2)
	PLUG LOAD: 7000 BTUH	SYSTEM COORDINATION	
	PEOPLE LOAD: NONE	2015 WSMC	TABLE 403.3.1.1
	CODE VENTILATION: NONE	2015 WSMC	TABLE 403.3.1.1 AND ASHRAE 62.1-2010
	HVAC: SUPPLY FAN TO MAINTAIN POSITIVE PRESSURE AND TRANSFER AIR FOR COOLING; ELECTRIC HEATER FOR FREEZE PROTECTION	DCM 5	
	INFILTRATION: 0.2 CFM/SF OF WALL	DESIGN ASSUMPTION	
	EXHAUST: NONE	DESIGN ASSUMPTION	
STORAGE ROOM	LOCATION: LEVEL 1	ARCH DRAWINGS	
	USE: STORAGE	ARCH DRAWINGS	
	LIGHTING LOAD: 0.5 W/SF (STORAGE)	2015 WSEC	TABLE C405.4.2(2)
	PLUG LOAD: NONE	DESIGN ASSUMPTION	
	PEOPLE LOAD: NONE	2015 WSMC	TABLE 403.3.1.1
	INFILTRATION: 0.2 CFM/SF OF EXTERIOR WALL; HEATING ONLY	DESIGN ASSUMPTION	
	CODE VENTILATION: NOT REQUIRED	2015 WSMC	TABLE 403.3 AND ASHRAE 62.1-2010
	HVAC: ELECTRIC HEAT FOR FREEZE PROTECTION	DESIGN ASSUMPTION	
SECURITY ROOM	LOCATION: LEVEL 1	ARCH DRAWINGS	
	USE: OFFICE	ARCH DRAWINGS	
	LIGHTING LOAD: 0.5 W/SF	2015 WSEC	TABLE C405.4.2(2)
	PLUG LOAD: 1 W/SF	DESIGN ASSUMPTION	
	PEOPLE LOAD: 2	2015 WSMC	TABLE 403.3.1.1
	INFILTRATION: 0.2 CFM/SF OF EXTERIOR WALL; HEATING ONLY	DESIGN ASSUMPTION	
	VENTILATION: PER WSMC; ERV FOR HEAT RECOVERY; MERY 13 FINAL FILTERS; MERV 7 PREFILTERS	2015 WSMC	TABLE 403.3 AND ASHRAE 62.1-2010
	HVAC: HEAT PUMP HEATING/COOLING FOR OCCUPANT COMFORT	DCM 5	
FIRE SP. ROOM	LOCATION: LEVEL 1	ARCH DRAWINGS	
	USE: WATER ENTRY ROOM/FIRE RISER ROOM	ARCH/PLMB/FP DRAWINGS	
	LIGHTING LOAD: 0.5 W/SF	2015 WSEC	TABLE C405.4.2(2)
	PLUG LOAD:3 MBH FIRE PUMP; COMPRESSOR	DESIGN ASSUMPTION	
	PEOPLE LOAD: NONE	2015 WSMC	TABLE 403.3.1.1
	INFILTRATION: 0.2 CFM/SF OF EXTERIOR WALL; HEATING ONLY	DESIGN ASSUMPTION	
	HVAC: ELECTRIC HEAT FOR FREEZE PROTECTION; SUPPLY FAN FOR COOLING AND POSITIVE PRESSURIZATION	DCM 5	
COMM ROOM	LOCATION: LEVEL 1	ARCH DRAWINGS	
	USE: COMM EQUIPMENT ROOM	SYSTEM DRAWING	
	LIGHTING LOAD: 0.5 W/SF	2015 WSEC	TABLE C405.4.2(2)
	PLUG LOAD: 22000 BTUH	COMM CONSULTANT	
	PEOPLE LOAD: NONE	2015 WSMC	
	VENTILATION: MAINTAIN POSITIVE PRESSURE WITH 10% SUPPLY AIR	DCM 5	
	INFILTRATION: 0.2 CFM/SF OF EXTERIOR WALL; HEATING ONLY	DESIGN ASSUMPTION	
	HVAC: DUCTED HEAT PUMP WITH ECONOMIZER	DESIGN ASSUMPTION	
	EXHAUST: 10 AIR CHANGES PER HOUR FOR REMOVAL OF HYDROGEN; 1 CFM/SF OF CONTINUOUS OUTSIDE AIR	IMC 502.4.2; DCM 5	

CODE BASIS OF DESIGN

CATEGORY	BOD CRITERIA INPUT	SOURCE	ADDITIONAL SOURCE INFO
MECHANICAL: HVAC LOAD BASIS FOR PROJECT			
MECHANICAL ROOM	LOCATION: LEVEL 1	ARCH DRAWINGS	
	USE: EQUIPMENT	ARCH DRAWINGS	
	LIGHTING LOAD: 0.5 W/SF	2015 WSEC	TABLE C405.4.2(2)
	PLUG LOAD: NONE	DESIGN ASSUMPTION	
	PEOPLE LOAD: NONE	2015 WSMC	
	INFILTRATION: 0.2 CFM/SF OF EXTERIOR WALL; HEATING ONLY	DESIGN ASSUMPTION	
	HVAC: ELECTRIC HEAT FOR FREEZE PROTECTION VENTILATION: NOT REQUIRED	DCM 5	
ELECTRICAL ROOM	LOCATION: LEVEL 1	ARCH DRAWINGS	
	USE: ELECTRICAL ROOM	PROGRAMMING MEETING	
	LIGHTING LOAD: 0.76 W/SF (ELECT/MECH)	2015 WSEC	TABLE C405.4.2(2)
	PLUG LOAD: TRANSFORMERS (30KVA, 45 KVA, 45 KVA AND 15 KVA) AND 3265 BTUH HEAT RELEASE FOR 16KVA LIGHTING INVERTER	DESIGN ASSUMPTION	AT 2% HEAT LOSS
	PEOPLE LOAD: NONE	2015 WSMC	
	VENTILATION: MAINTAIN POSITIVE PRESSURE	DCM 5	20.4.6.C
	HVAC: DUCTLESS HEAT PUMP FOR COOLING AND FREEZE PROTECTION.	DESIGN ASSUMPTION	
	EXHAUST: NONE	DESIGN ASSUMPTION	
ELEV MACH ROOM	LOCATION: LEVEL 1 - EAST ABUTMENT	ARCH DRAWINGS	
	USE: ELEVATOR MACHINE ROOM	PROGRAMMING MEETING	
	LIGHTING LOAD: 0.76 W/SF	2015 WSEC	TABLE C405.4.2(2)
	PLUG LOAD: 28,300 BTUH FOR EACH HYDRAULIC ELEVATOR	ELEVATOR CONSULTANT	28,300 BTUH FOR EACH HYDRAULIC ELEVATOR
	PEOPLE LOAD: NONE	2015 WSMC	TABLE 403.3.1.1
	VENTILATION: NONE	2015 WSMC	TABLE 403.3.1.1 AND ASHRAE 62.1-2010
	HVAC: DUCTLESS HEAT PUMP	DESIGN ASSUMPTION	
	EXHAUST: NONE	DESIGN ASSUMPTION	
ELEV MACH ROOM	LOCATION: LEVEL 1	ARCH DRAWINGS	
	USE: ELEVATOR MACHINE ROOM	PROGRAMMING MEETING	
	LIGHTING LOAD: 0.76 W/SF	2015 WSEC	TABLE C405.4.2(2)
	PLUG LOAD: 28,300 BTUH FOR EACH HYDRAULIC ELEVATOR	ELEVATOR CONSULTANT	28,300 BTUH FOR EACH HYDRAULIC ELEVATOR
	PEOPLE LOAD: NONE	2015 WSMC	TABLE 403.3.1.1
	VENTILATION: NONE	2015 WSMC	TABLE 403.3.1.1 AND ASHRAE 62.1-2010
	HVAC: DUCTLESS HEAT PUMPS	DESIGN ASSUMPTION	
	EXHAUST: NONE	DESIGN ASSUMPTION	
ELEVATOR HOISTWAY	LOCATION: GARAGE	ARCH DRAWINGS	
	USE: ELEVATOR HOISTWAY	ARCH DRAWINGS	
	VENTILATION: NOT REQUIRED.	2015 WSBC	CHAPTER 30
	HVAC: NONE, OUTSIDE OF BUILDING ENVELOPE. LOUVER FOR HEAT RELEASE	ARCH DRAWINGS	
ELEC MECH ROOM	LOCATION: LEVEL 3; EAST ABUTMENT	ARCH DRAWINGS	
	USE:ELECTRICAL EQUIPMENT	SYSTEM DRAWING	
	LIGHTING LOAD: 0.76 W/SF (ELECT/MECH)	2015 WSEC	TABLE C405.4.2(2)
	PLUG LOAD: 1 W/SF	SYSTEM COORDINATION	
	PEOPLE LOAD: NONE	2015 WSMC	TABLE 403.3.1.1
	CODE VENTILATION: NONE	2015 WSMC	TABLE 403.3.1.1 AND ASHRAE 62.1-2010
	HVAC: SUPPLY FAN TO MAINTAIN POSITIVE PRESSURE AND HEATPUMP FOR HEATING/COOLING	DCM 5	
	INFILTRATION: 0.2 CFM/SF OF WALL	DESIGN ASSUMPTION	
	EXHAUST: NONE	DESIGN ASSUMPTION	
JANITOR ROOM	LOCATION: LEVEL 1	ARCH DRAWINGS	
	USE: JANITOR	SYSTEM DRAWING	
	LIGHTING LOAD: 0.5 W/SF	2015 WSEC	TABLE C405.4.2(2)
	PEOPLE LOAD: NONE	DESIGN ASSUMPTION	
	PEOPLE LOAD: NONE	2015 WSMC	TABLE 403.3.1.1
	CODE VENTILATION: NONE	2015 WSMC	TABLE 403.3.1.1 AND ASHRAE 62.1-2010
	VENTILATION: EXHAUST PER IMC	2015 WSMC	
	INFILTRATION: 0.2 CFM/SF OF WALL	DESIGN ASSUMPTION	
	HVAC: FREEZE PROTECTION	DESIGN ASSUMPTION	

DESIGN RECORD DRAWING UPDATES ARE BASED ON CONTRACTOR'S REDLINES. THE ITEMS AS SHOWN HAVE NOT BEEN INDEPENDENTLY VERIFIED BY RUSHING.

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	DK	LC	EV	FINAL AS-BUILT

DESIGNED BY: S. ZAKI
DRAWN BY: S. TUTHILL
CHECKED BY: L. COPPA
APPROVED BY: E. VANDER MEY

RUSHING Engineering - Essentials - Delivery

HENSEL PHELPS Plan. Build. Manage.

kpff

SUBMITTED BY: SARA ROBERTS
DATE: 10/26/2022
REVIEWED BY: GREG SHIMIZU
DATE: 10/26/2022

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT

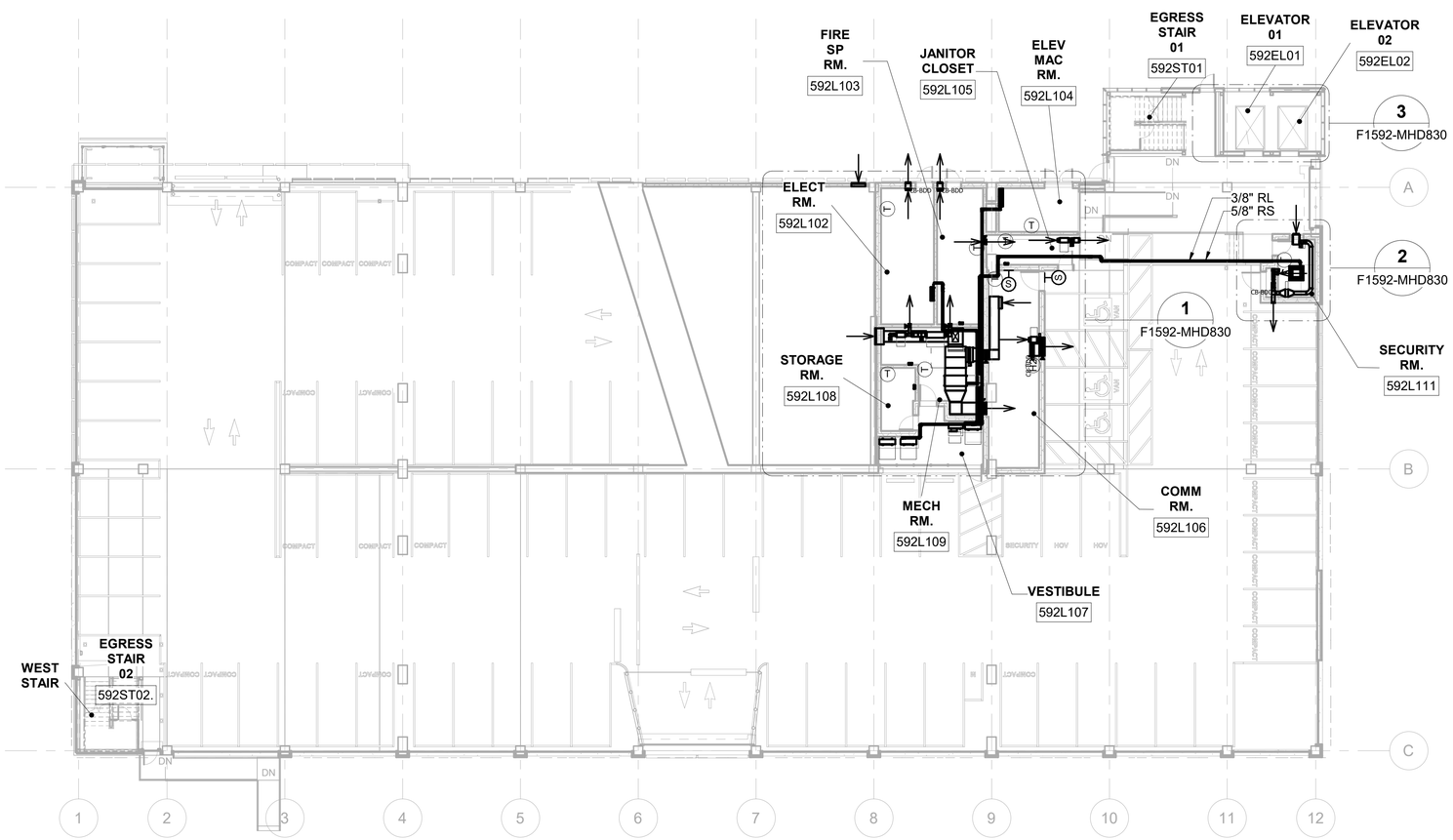
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CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

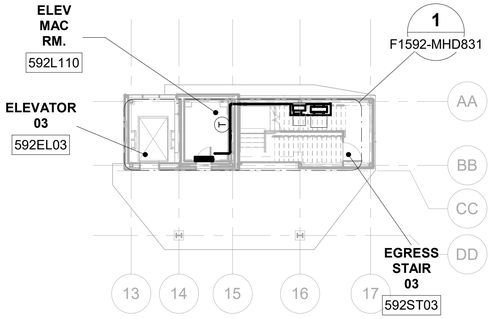
PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS

MECHANICAL
HVAC
BASIS OF DESIGN

DRAWING No.: F1592-MZN004
FACILITY ID: F1592
SHEET No: 489
REV: 0

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N

2' 0' 8' 16' 32'

SCALE IN FEET

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FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	DK	LC	EV	FINAL AS-BUILT

DESIGNED BY: S. ZAKI
DRAWN BY: S. TUTHILL
CHECKED BY: L. COPPA
APPROVED BY: E. VANDER MEY

RUSHING Engineering - Essentials - Delivery
SUBMITTED BY: SARA ROBERTS

HENSEL PHELPS Plan. Build. Manage.
kpff
DATE: 10/26/2022
REVIEWED BY: GREG SHIMIZU

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT
DATE: 10/26/2022

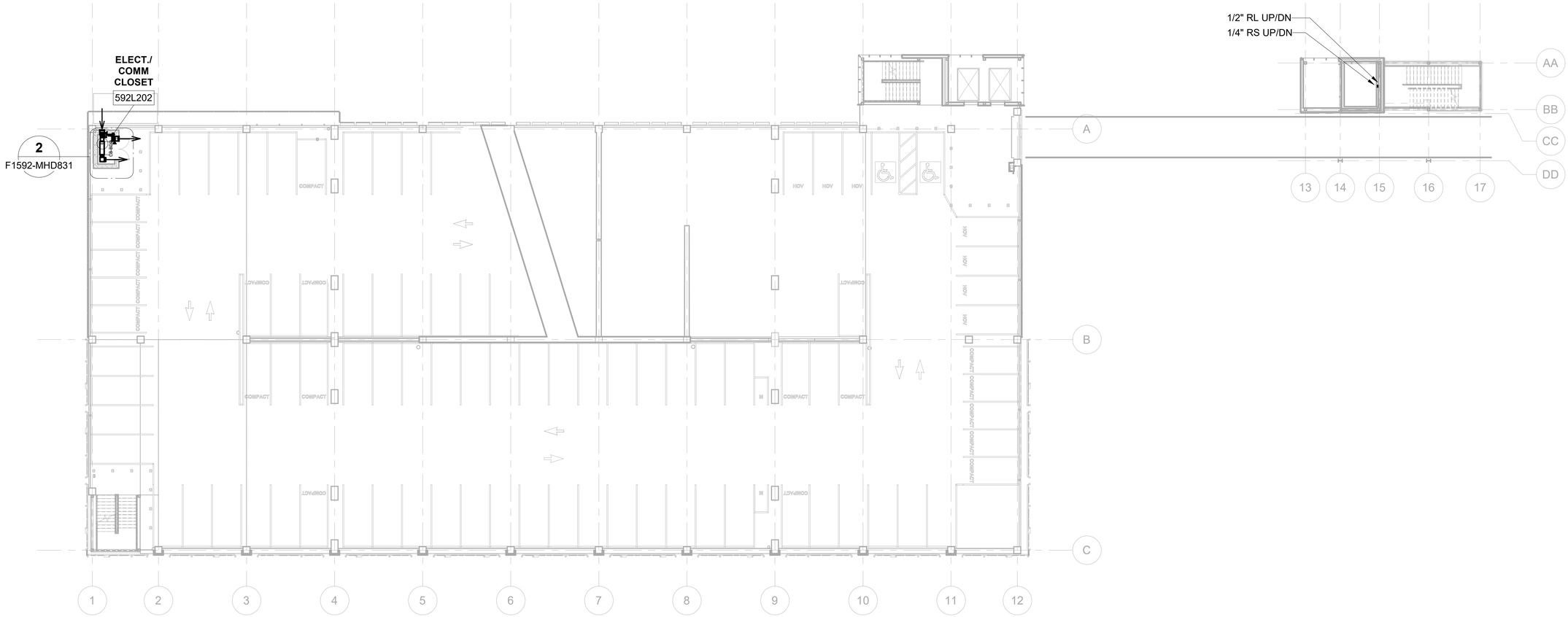
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CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS

MECHANICAL
HVAC PLAN
LEVEL 1 - OVERALL

DRAWING No.: F1592-MHP101
FACILITY ID: F1592
SHEET No.: 490
REV.: 0

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2' 0' 8' 16' 32'

SCALE IN FEET

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FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	DK	LC	EV	FINAL AS-BUILT

DESIGNED BY: S. ZAKI
DRAWN BY: S. TUTHILL
CHECKED BY: L. COPPA
APPROVED BY: E. VANDER MEY

RUSHING Engineering - Essentials - Delivery
SUBMITTED BY: SARA ROBERTS
DATE: 10/26/2022

HENSEL PHELPS Plan. Build. Manage.
kpff
REVIEWED BY: GREG SHIMIZU
DATE: 10/26/2022

LINE IS 1" AT FULL SCALE

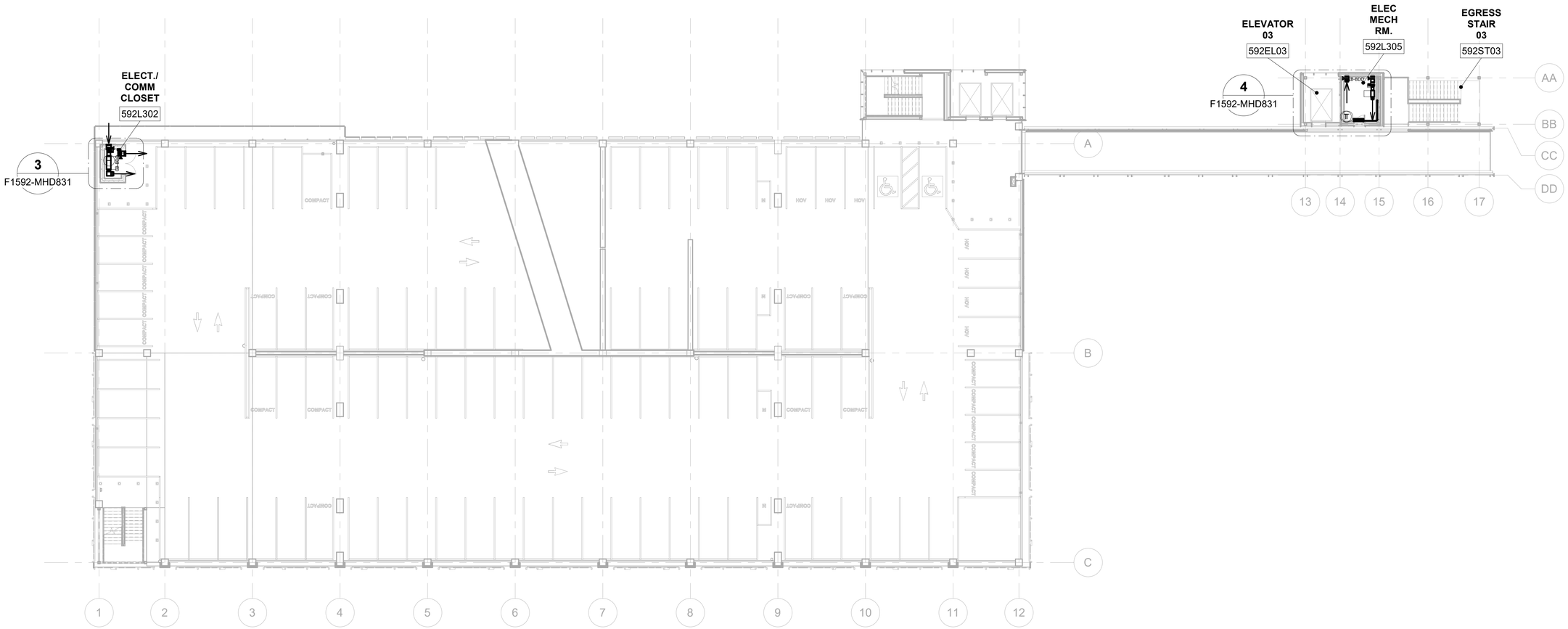
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SUBMITTAL DATE: 10/26/2022

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FILENAME: S317-F1592-M_v2020
CONTRACT No.: RTA/CN 0612-18

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
MECHANICAL
HVAC PLAN
LEVEL 2 - OVERALL

DRAWING No.: F1592-MHP201
FACILITY ID: F1592
SHEET No: 491
REV: 0

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N

2' 0' 8' 16' 32'

SCALE IN FEET

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FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	DK	LC	EV	FINAL AS-BUILT

DESIGNED BY: S. ZAKI
DRAWN BY: S. TUTHILL
CHECKED BY: L. COPPA
APPROVED BY: E. VANDER MEY

RUSHING Engineering - Essentials - Delivery
SUBMITTED BY: SARA ROBERTS

HENSEL PHELPS Plan. Build. Manage.
kpff
DATE: 10/26/2022
REVIEWED BY: GREG SHIMIZU

LINE IS 1" AT FULL SCALE

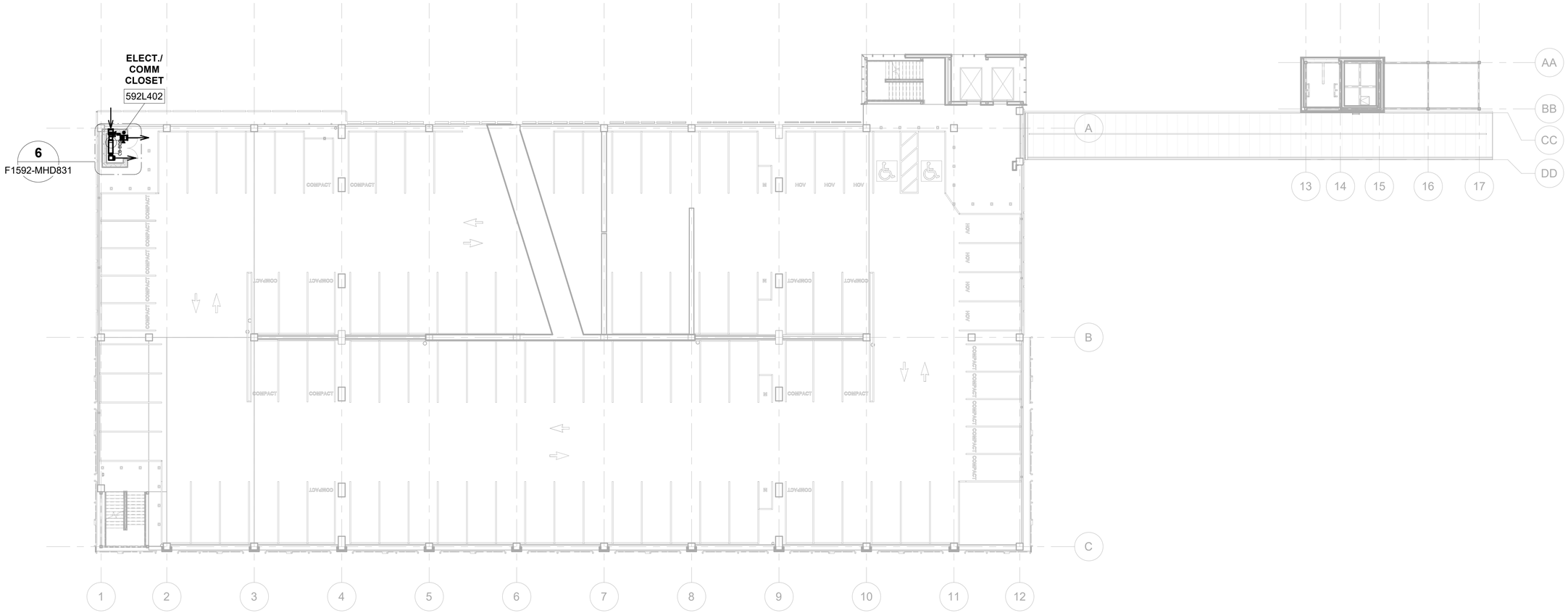
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DATE: 10/26/2022

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CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
MECHANICAL
HVAC PLAN
LEVEL 3 - OVERALL

DRAWING No.: F1592-MHP301
FACILITY ID: F1592
SHEET No: 492
REV: 0

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N

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SCALE IN FEET

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FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	DK	LC	EV	FINAL AS-BUILT

DESIGNED BY: S. ZAKI
DRAWN BY: S. TUTHILL
CHECKED BY: L. COPPA
APPROVED BY: E. VANDER MEY

RUSHING Engineering - Essentials - Delivery
SUBMITTED BY: SARA ROBERTS
DATE: 10/26/2022

HENSEL PHELPS Plan. Build. Manage.
kpff
REVIEWED BY: GREG SHIMIZU
DATE: 10/26/2022

LINE IS 1" AT FULL SCALE

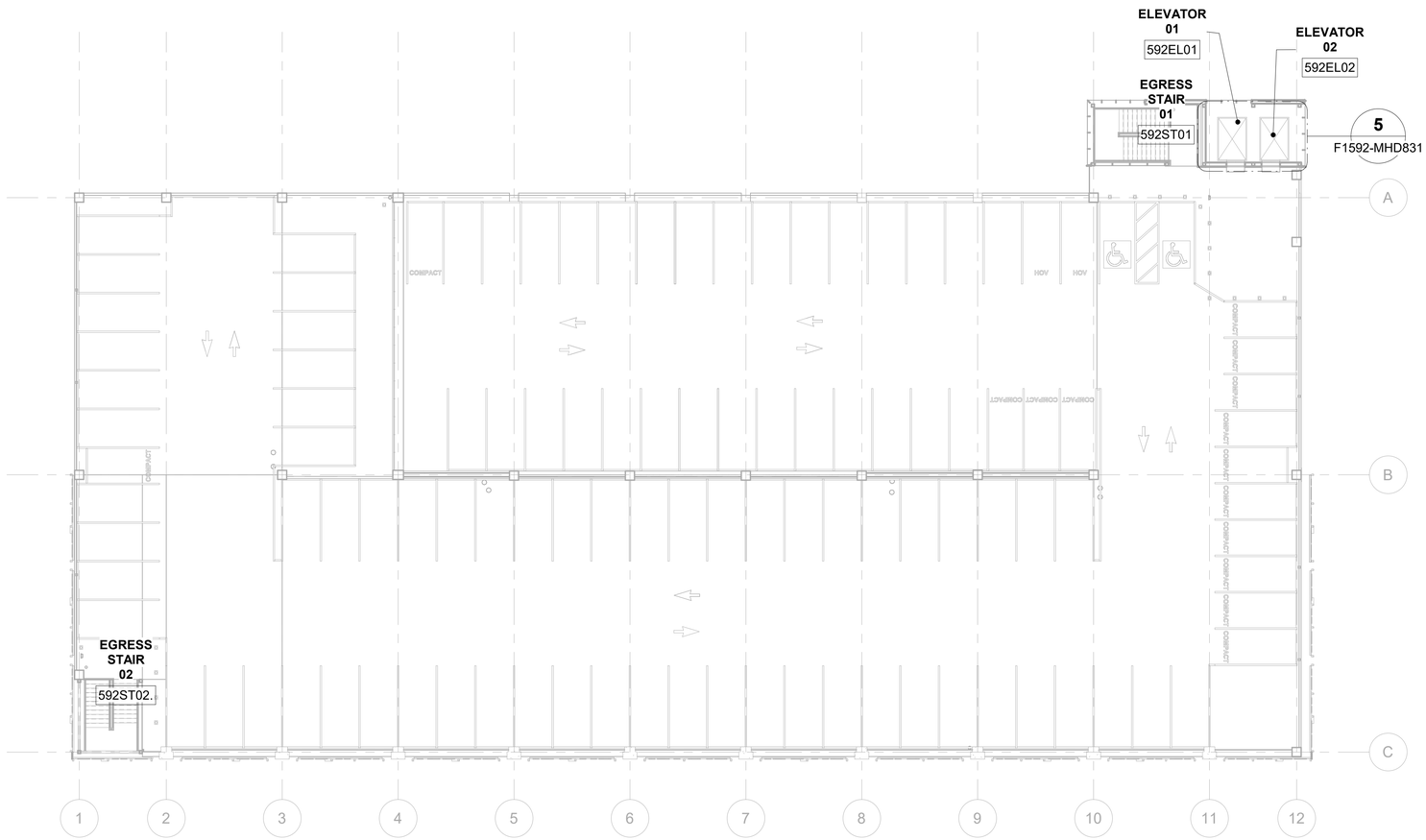
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SUBMITTAL DATE: 10/26/2022

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FILENAME: S317-F1592-M_v2020
CONTRACT No.: RTA/CN 0612-18

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
MECHANICAL
HVAC PLAN
LEVEL 4 - OVERALL

DRAWING No.: F1592-MHP401
FACILITY ID: F1592
SHEET No: 493
REV: 0

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N

2' 0' 8' 16' 32'

SCALE IN FEET

DESIGN RECORD DRAWING UPDATES ARE BASED ON CONTRACTOR'S REDLINES. THE ITEMS AS SHOWN HAVE NOT BEEN INDEPENDENTLY VERIFIED BY RUSHING.

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	DK	LC	EV	FINAL AS-BUILT

DESIGNED BY: S. ZAKI
DRAWN BY: S. TUTHILL
CHECKED BY: L. COPPA
APPROVED BY: E. VANDER MEY

RUSHING Engineering - Essentials - Delivery
SUBMITTED BY: SARA ROBERTS

HENSEL PHELPS Plan. Build. Manage.
kpff
DATE: 10/26/2022
REVIEWED BY: GREG SHIMIZU

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT
DATE: 10/26/2022

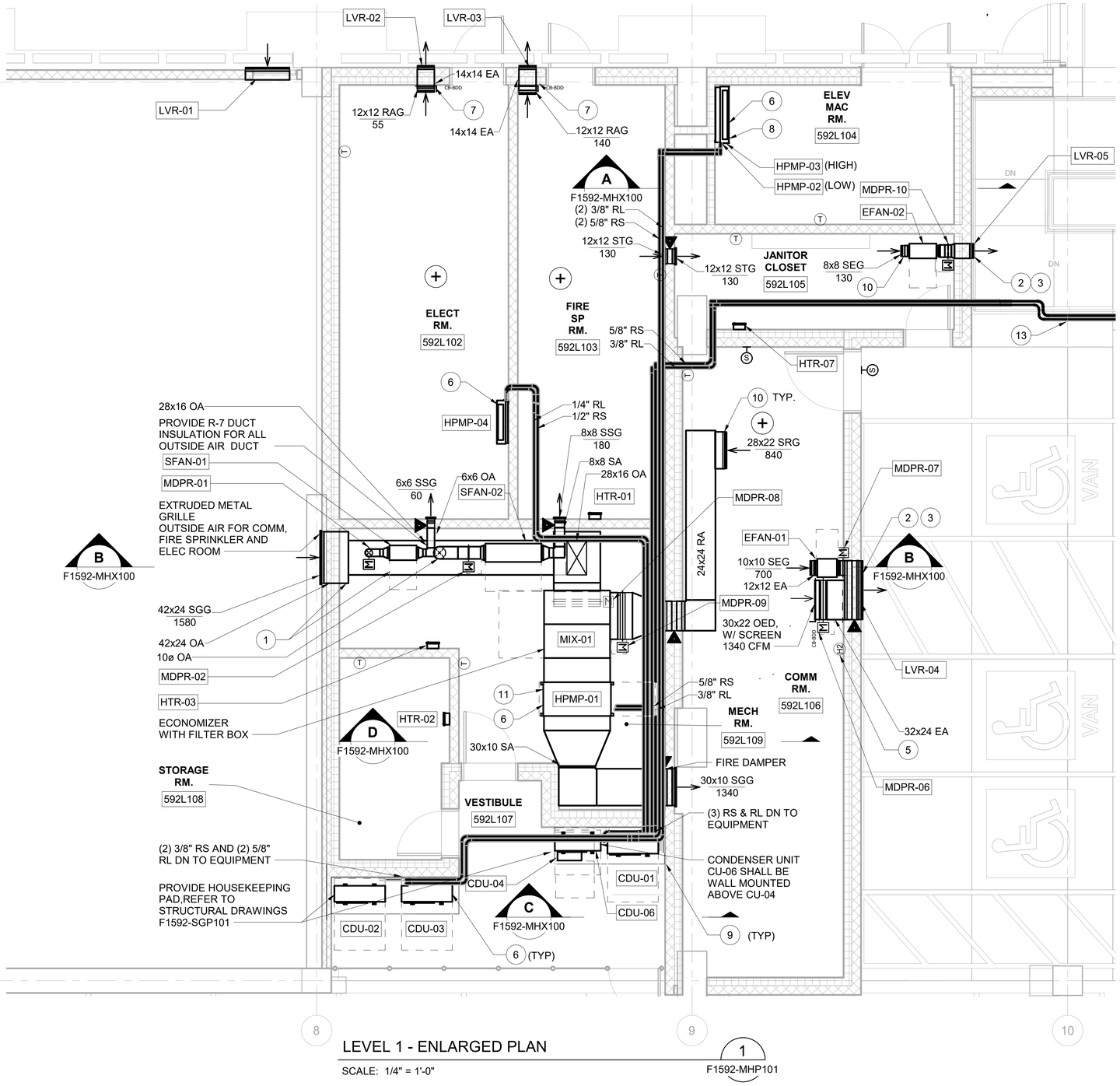
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FILENAME: S317-F1592-M_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS

MECHANICAL
HVAC PLAN
LEVEL 5 - OVERALL

DRAWING No.: F1592-MHP501
FACILITY ID: F1592
SHEET No: 494
REV: 0

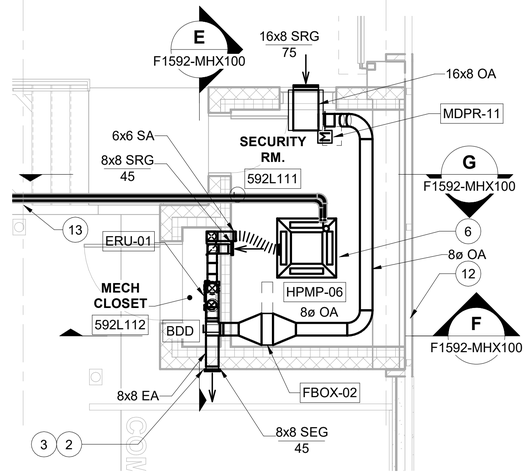
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LEVEL 1 - ENLARGED PLAN

SCALE: 1/4" = 1'-0"

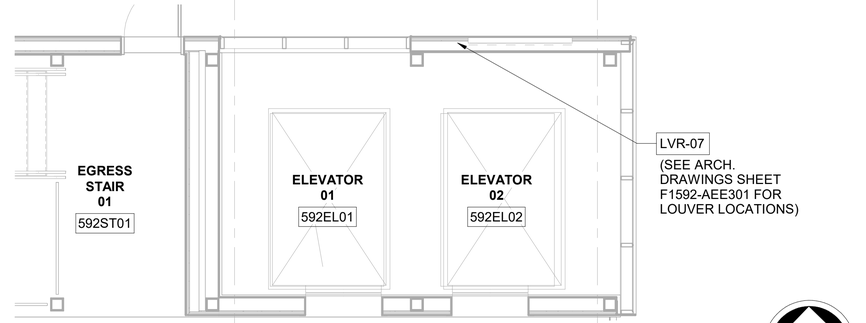
1 F1592-MHP101



LEVEL 1 - ENLARGED PLAN

SCALE: 1/4" = 1'-0"

2 F1592-MHP101



LEVEL 1 - ELEVATORS AND EGRESS STAIR

SCALE: 1/4" = 1'-0"

3 F1592-MHP101

CONSTRUCTION NOTES (CONT):

12 PROVIDE LOUVER WITH VANDAL RESISTANT SCREWS AND HEAVY DUTY BIRDSCREEN, SEE ARCH SPECIFICATION 089119.

13 PIPES PENETRATES STRUCTURAL BEAM THROUGH A COORDINATED BEAM PENETRATION; CONFIRM LOCATION WITH STRUCTURAL ENGINEER

CONSTRUCTION NOTES:

1. OUTSIDE AIR DUCT SHALL BE INSULATED PER WSEC C403.10.1.1
2. MAINTAIN 3 FEET BETWEEN EXHAUST AND OPERABLE OPENING PER 2015 WSMC 501.3.1.3
3. EXHAUST AIR DISCHARGE TO OPEN GARAGE PER 2015 WSMC 501.3.1 EXCEPTION 3.
4. DOAS SYSTEM SHALL INCLUDE ENERGY RECOVERY VENTILATION IN ACCORDANCE WITH 2015 WSEC C403.6
5. MOUNT HYDROGEN SENSOR WITHIN 6" OF ROOM CEILING OR STRUCTURAL BEAMS. HYDROGEN SENSOR SHALL BE PROVIDED FOR MONITORING OF HYDROGEN FROM BATTERIES. THIS SPACE DOES NOT CONTAIN HYDROGEN GENERATION EQUIPMENT. HEAT PUMP SHALL PROVIDE A MINIMUM OF 1 CFM/SF (500 CFM) TO COMPLY WITH IMC 502.4.2. REFER TO CONTROL DRAWINGS F1592-JCD830 FOR COMM ROOM FOR ADDITIONAL INFORMATION.
6. REFER TO PLUMBING PLANS FOR CONDENSATE PIPE ROUTING; F1592-MPP101 - F1592MPP501, F1592-MPD830.
7. MOTORIZED DAMPER IS NOT REQUIRED AT THIS LOCATION PER WSEC EXCEPTION 1.1 OF C403.2.4.2
8. COOLING UNITS ARE STACKED IN THIS SPACE. MAINTAIN SPACING PER MANUFACTURER'S RECOMMENDATIONS.
9. REFER TO CONDENSING UNIT INSTALLATION DETAILS ON MHD-900 AND MHD903
10. REFER TO EXPOSED DUCT SIDEWALL GRILLE OR REGISTER DETAIL ON MHD-903 DETAIL 1
11. HPMP SERVES ROOM WITH HYDROGEN MONITOR INSTALLED IN ACCORDANCE PER IMC SECTION 502.5.1. HYDROGEN MONITOR TO INITIATE A SUPERVISORY ALARM AT A CENTRAL OR REMOTE SERVICE STATION IN ACCORDANCE WITH IMC SECTION 502.5.3. SEE CONTROLS DIAGRAMS AND EXHAUST FAN SCHEDULE FOR FURTHER DETAILS. ADDITIONALLY, HPMP ECONOMIZER OUTDOOR AIR DAMPER TO BE SET TO VOLUNTARILY PROVIDE MINIMUM VENTILATION OF 1 CFM/SF PER IMC SECTION 503.5.2 IN ADDITION TO THE HYDROGEN MONITORING PER SECTION 502.5.1.

N

1' 0 2' 4' 8'

SCALE IN FEET

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FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	DK	LC	EV	FINAL AS-BUILT

DESIGNED BY: S. ZAKI
DRAWN BY: S. TUTHILL
CHECKED BY: L. COPPA
APPROVED BY: E. VANDER MEY

RUSHING Engineering - Essentials - Delivery
SUBMITTED BY: SARA ROBERTS

HENSEL PHELPS Plan. Build. Manage.
kpff
DATE: 10/26/2022
REVIEWED BY: GREG SHIMIZU

LINE IS 1" AT FULL SCALE

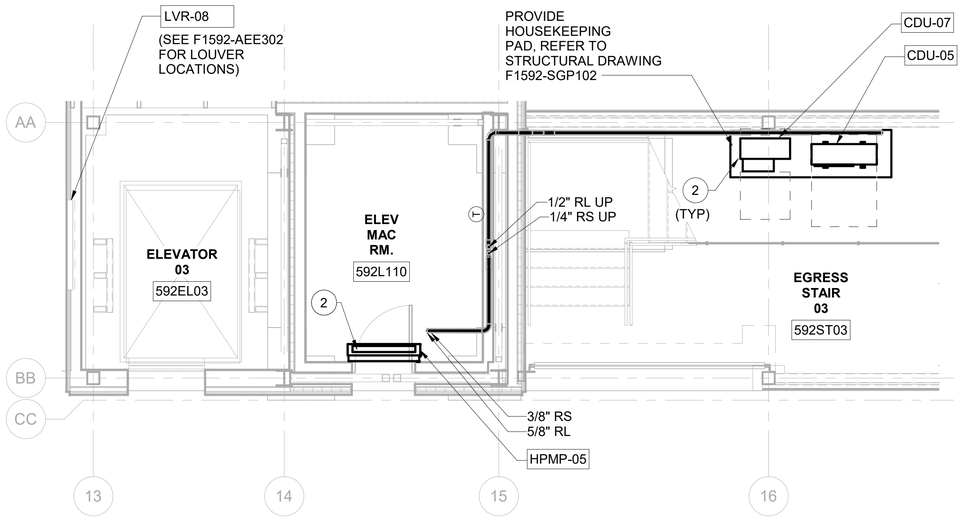
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DATE: 10/26/2022

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FILENAME: S317-F1592-M_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
MECHANICAL
HVAC
ENLARGED PLANS

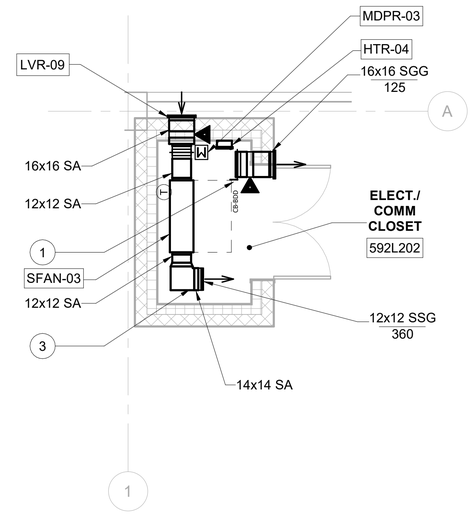
DRAWING No.: F1592-MHD830
FACILITY ID: F1592
SHEET No.: 495
REV.: 0

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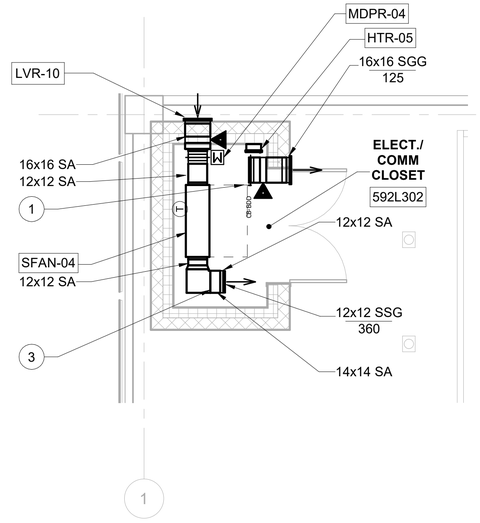
EAST ABUTMENT ELEVATOR MACHINE ROOM — 1 — F1592-MHP101

SCALE: 1/4" = 1'-0"



LEVEL 2 - ELECT/COMM CLOSET — 2 — F1592-MHP201

SCALE: 1/4" = 1'-0"

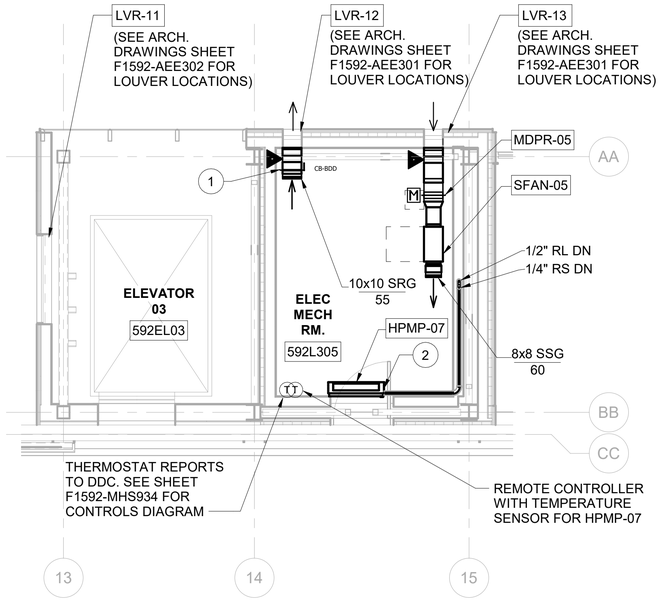


LEVEL 3 - ELECT./COMM CLOSET — 3 — F1592-MHP301

SCALE: 1/4" = 1'-0"

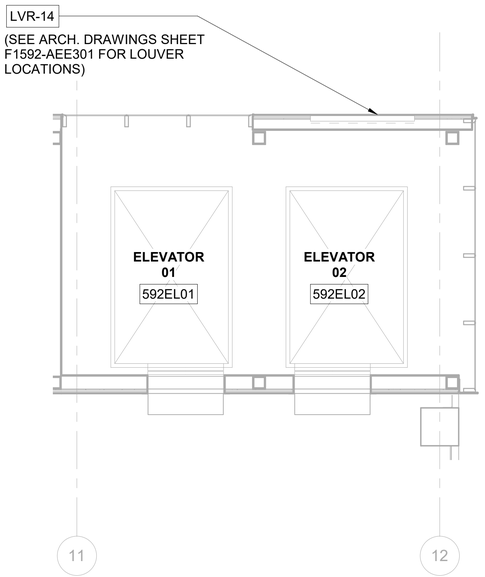
CONSTRUCTION NOTES:

1. MOTORIZED DAMPER IS NOT REQUIRED AT THIS LOCATION PER WSEC EXCEPTION 1.1 OF C403.2.4.2. PROVIDE OED WITH SCREEN.
2. REFER TO PLUMBING SHEETS F1592-MPP101 - F1592-MPP501, F1592-MPD830 FOR CONDENSATE PIPE ROUTING.
3. REFER TO EXPOSED DUCT SIDEWALL GRILLE OR REGISTER DETAIL ON MHD-903 DETAIL 1



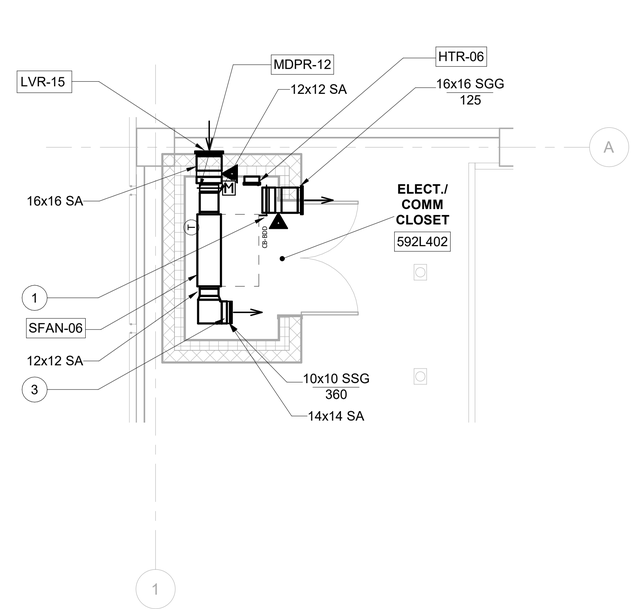
EAST ABUTMENT LEVEL 3 - ELEVATOR — 4 — F1592-MHP301

SCALE: 1/4" = 1'-0"



LEVEL 5 - ELEVATOR — 5 — F1592-MHP501

SCALE: 1/4" = 1'-0"



LEVEL 4 - ELECT./COMM CLOSET — 6 — F1592-MHP401

SCALE: 1/4" = 1'-0"

N

2' 0' 8' 16' 32'

SCALE IN FEET

DESIGN RECORD DRAWING UPDATES ARE BASED ON CONTRACTOR'S REDLINES. THE ITEMS AS SHOWN HAVE NOT BEEN INDEPENDENTLY VERIFIED BY RUSHING.

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	DK	LC	EV	FINAL AS-BUILT

DESIGNED BY: S. ZAKI
DRAWN BY: S. TUTHILL
CHECKED BY: L. COPPA
APPROVED BY: E. VANDER MEY

RUSHING Engineering - Essentials - Delivery
SUBMITTED BY: SARA ROBERTS

HENSEL PHELPS Plan. Build. Manage.
kpff
DATE: 10/26/2022

LINE IS 1" AT FULL SCALE

REVIEWED BY: GREG SHIMIZU

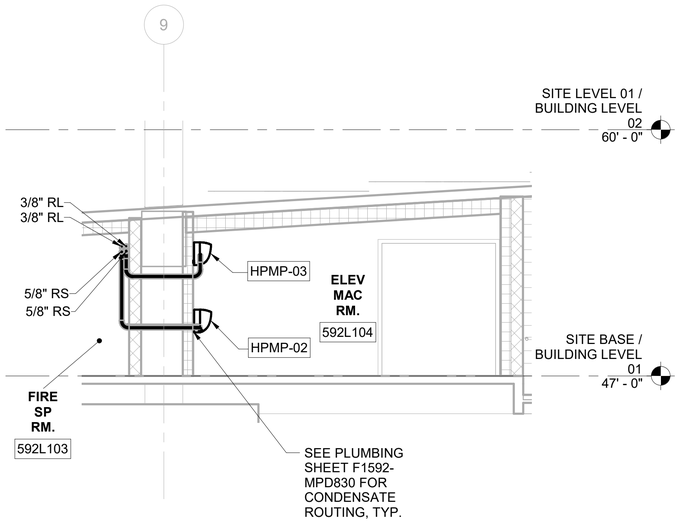
SOUNDTRANSIT
DATE: 10/26/2022

SCALE: 1/4" = 1'-0"
FILENAME: S317-F1592-M_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
MECHANICAL
HVAC
ENLARGED PLANS

DRAWING No.: F1592-MHD831
FACILITY ID: F1592
SHEET No.: 496
REV.: 0

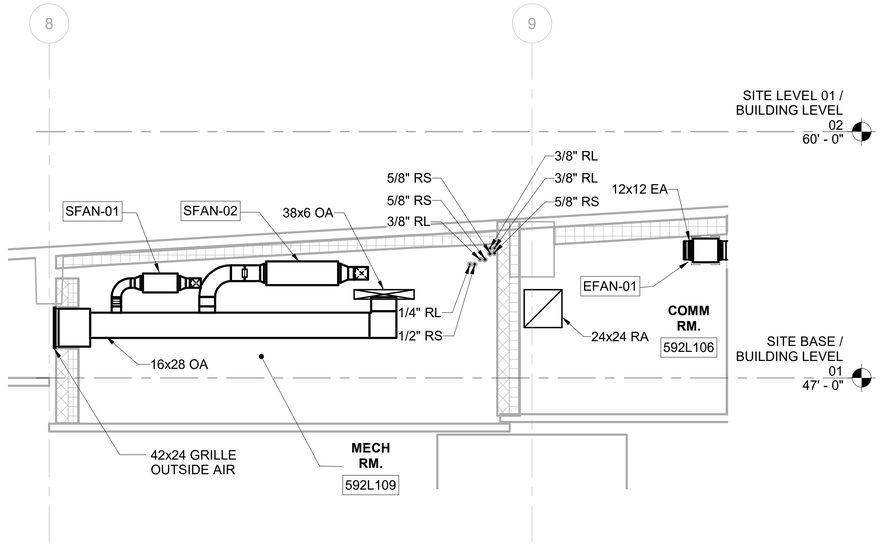
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ELEVATOR MACHINE ROOM

SCALE: 1/4" = 1'-0"

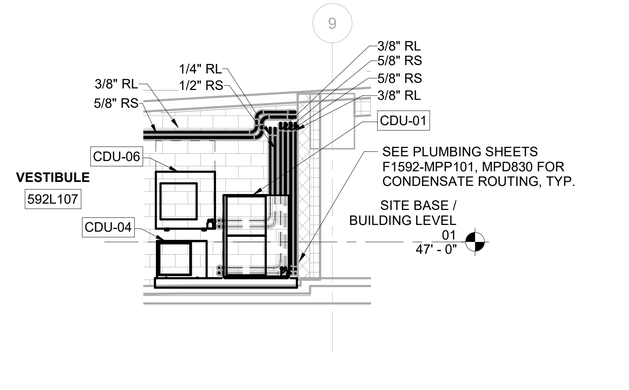
A F1592-MHD830



MECHANICAL AND COMM ROOM

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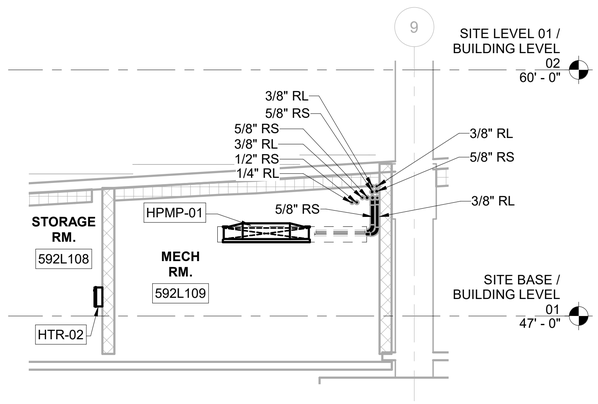
B F1592-MHD830



CONDENSER UNITS

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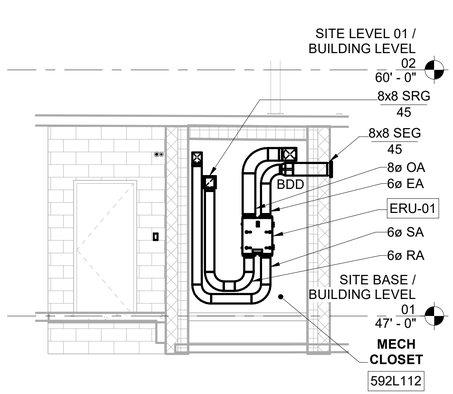
C F1592-MHD830



LEVEL 1 MECHANICAL ROOM

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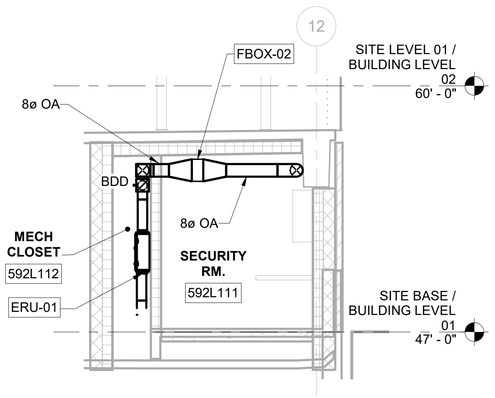
D F1592-MHD830



SECURITY ROOM N-S

SCALE: 1/4" = 1'-0"

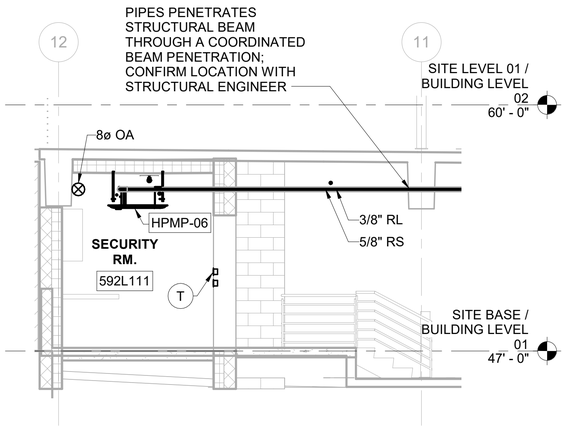
E F1592-MHD830



SECURITY ROOM E-W

SCALE: 1/4" = 1'-0"

F F1592-MHD830



SECURITY ROOM W-E

SCALE: 1/4" = 1'-0"

G F1592-MHD830

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FINAL AS-BUILT

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0	10/26/2022	DK	LC	EV	FINAL AS-BUILT

DESIGNED BY: S. ZAKI
DRAWN BY: S. TUTHILL
CHECKED BY: L. COPPA
APPROVED BY: E. VANDER MEY

RUSHING Engineering - Essentials - Delivery
SUBMITTED BY: SARA ROBERTS
DATE: 10/26/2022

HENSEL PHELPS Plan. Build. Manage. kpff
REVIEWED BY: GREG SHIMIZU
DATE: 10/26/2022

LINE IS 1" AT FULL SCALE

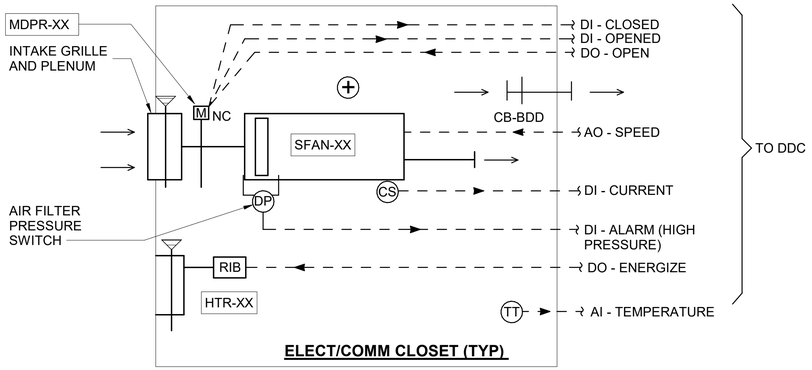
SOUNDTRANSIT
SUBMITTAL DATE: 10/26/2022

SCALE: 1/4" = 1'-0"
FILENAME: S317-F1592-M_v2020
CONTRACT No.: RTA/CN 0612-18

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
MECHANICAL
HVAC
SECTIONS

DRAWING No.: F1592-MHX100
FACILITY ID: F1592
SHEET No.: 497
REV.: 0

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SEQUENCE OF OPERATION

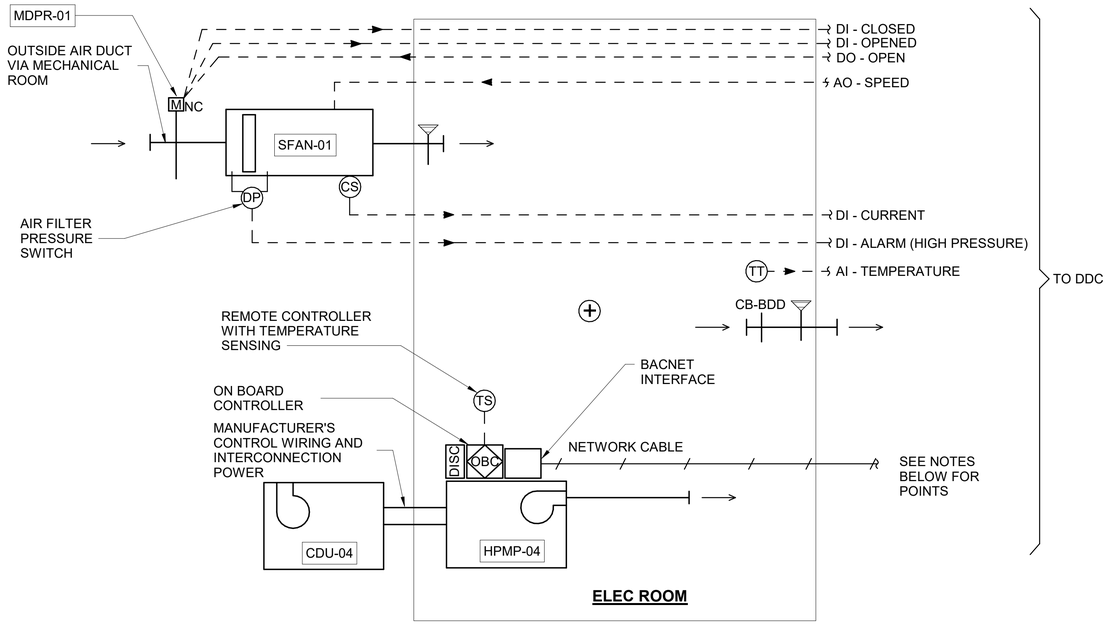
1. DDC MONITORS THE SPACE TEMPERATURE BY MEANS OF A TEMPERATURE TRANSMITTER
2. SUPPLY FAN LOW AND HIGH SPEED ARE PROGRAMMED AS VIRTUAL POINTS BASED ON BALANCING TO ACHIEVE SCHEDULED LOW AND MAXIMUM CFM VIA FAN SPEED ADJUSTMENTS. SEE FAN SCHEDULE FOR CFMS.
3. SUPPLY FAN IS ALWAYS RUNNING AT LOW SPEED TO MAINTAIN POSITIVE PRESSURE
4. WHEN THE TEMPERATURE OF THE SPACE REACHES 80°F AT ELECT/COMM CLOSET (DDC ADJUSTABLE) DDC INCREASES SUPPLY FAN SPEED TO MAXIMUM SETTING.
5. SUPPLY FAN CONTINUES TO RUN AT MAXIMUM SETTING UNTIL SPACE TEMPERATURE IS BELOW SETPOINT TEMPERATURE BY 5°F FOR 15 MINUTES AND THEN RETURNS TO LOW SPEED.
6. IF SPACE TEMPERATURE REACHES 104° F (DDC ADJUSTABLE) AN ALARM SIGNAL IS GENERATED AT THE DDC.
7. SUPPLY FAN RUNNING STATUS IS MONITORED BY DDC BY MEANS OF A CURRENT SWITCH.
8. UPON A RISE IN DIFFERENTIAL FILTER STATIC PRESSURE ABOVE 0.2" W.G. (DDC ADJUSTABLE). AN EVENT IS LOGGED AT THE DDC.
9. UPON A DROP IN SPACE TEMPERATURE OF 5°F (DDC ADJUSTABLE) BELOW SETPOINT (40°F)(DDC ADJUSTABLE), ELECTRIC HEATER IS ENERGIZED BY SIGNAL FROM DDC VIA A RELAY.
10. IF SPACE TEMPERATURE DROPS BELOW 35°F, THE DDC WILL TEMPORARILY DISABLE THE SUPPLY FAN AND CLOSE THE MOTORIZED DAMPER. DAMPER WILL REOPEN AND SUPPLY FAN WILL BE RE-ENABLED WHEN SPACE TEMPERATURE REACHES HEATING SETPOINT. SUPPLY FAN SEQUENCE WILL RESUME AS WELL AT THAT TIME.
11. AFTER ROOM SETPOINT IS SATISFIED FOR 15 MINUTES (DDC ADJUSTABLE) THE DDC DE-ENERGIZES THE ELECTRIC HEATER.

NOTES:

1. SEE CONDUIT REQUIREMENTS FOR ELECTRICAL CONTRACTOR ON DRAWING F1592-EPS950 - F1592-EPS952.
2. SEE CONDUIT SCHEDULES FOR CONDUIT AND CABLE F1592-JCS950 - F1592-JBS951.
3. SEE BMS DRAWINGS FOR COMPLETE POINTS LIST F1592-JBS970 - F1592-JBS971.
4. CONTRACTOR SHALL FURNISH THE FOLLOWING COMPONENTS, CONDUITS AND CABLE FOR INSTALLATION IN THE HVAC SYSTEMS:
   a. ROOM TEMPERATURE TRANSMITTER
   b. CURRENT SWITCH
   c. AIR FILTER PRESSURE SWITCH
   d. REMOTE RELAYS IN A BOX (RIB)
   e. DAMPER ACTUATOR WITH END SWITCH
5. SYSTEM OPERATION IS AVAILABLE 24 HOUR A DAY 7 DAYS PER WEEK.

ELECT/COMM CLOSET (TYP) — 1 / -

SCALE: NTS



SEQUENCE OF OPERATION

1. SPACE TEMPERATURE TRANSMITTER MONITORS SPACE TEMPERATURE AND REPORTS TO DDC.
2. SUPPLY FAN IS ALWAYS RUNNING AT LOW SPEED (30 CFM) TO MAINTAIN POSITIVE PRESSURE.
3. WHEN THE TEMPERATURE OF THE SPACE REACHES 80°F AT ELEC ROOM (DDC ADJUSTABLE) DDC INCREASES SUPPLY FAN SPEED.
4. SUPPLY FAN RUN AT MAXIMUM SETTING UNTIL SPACE TEMPERATURE IS BELOW SETPOINT TEMPERATURE BY 5°F FOR 15 MINUTES AND THEN RETURNS TO LOW SPEED.
5. AT A ROOM TEMPERATURE OF 90 F THE SUPPLY FAN RETURNS TO LOW SPEED AND COOLING IS ACCOMPLISHED WITH THE HEAT PUMP AS DESCRIBED BELOW.
6. HPMP MAINTAINS ROOM SETPOINT DURING COOLING AND HEATING. 90 F COOLING SET POINT AND 55 F HEATING SET POINT.
7. THE ONBOARD THERMOSTAT WITHIN THE HPMP UNIT CONTROLS SPACE TEMPERATURE. DDC CAN REMOTE MONITORS AND ADJUSTS TEMPERATURE SET POINTS THROUGH THE ON-BOARD CONTROLLER.
8. DDC OPENS AND CLOSES MOTORIZED DAMPER IN SUPPLY DUCTWORK.
9. UPON VERIFYING OPENING OF MOTORIZED DAMPER, A SIGNAL IS SENT TO THE DDC AND THE SUPPLY FAN IS REMOTELY ENABLED BY DDC.
10. SUPPLY FAN OPERATION IS MONITORED BY DDC, BY MEANS OF A CURRENT SWITCH. LACK OF CURRENT SENDS A FAULT SIGNAL TO THE DDC.
11. UPON A RISE IN DIFFERENTIAL FILTER STATIC PRESSURE ABOVE 0.2" W.G. (DDC ADJUSTABLE). AN ALARM IS GENERATED AT THE DDC.
12. UPON A RISE IN TEMPERATURE ABOVE 95°F (DDC ADJUSTABLE), AN ALARM IS GENERATED AT THE DDC.

NOTES:

1. SEE CONDUIT REQUIREMENTS FOR ELECTRICAL CONTRACTOR ON DRAWING F1592-EPS950 - F1592-EPS952.
2. SEE CONDUIT SCHEDULES FOR CONDUIT AND CABLE F1592-JCS950 - F1592-JBS951.
3. SEE BMS DRAWINGS FOR COMPLETE POINTS LIST F1592-JBS970 - F1592-JBS971.
4. INTERFACE TO THE DDC SHALL BE OVER NETWORK CABLE.
5. HEAT PUMP REMOTE CONTROLLER (WHICH SENSES TEMPERATURE) SHALL BE FURNISHED BY EQUIPMENT MANUFACTURER.
6. CONTROLS CONTRACTOR SHALL FURNISH THE FOLLOWING COMPONENTS, CONDUITS AND CABLE FOR INSTALLATION IN THE HVAC SYSTEMS:
   a. ROOM TEMPERATURE TRANSMITTER
   b. CURRENT SWITCH
   c. AIR FILTER PRESSURE DROP SWITCH
   d. DAMPER ACTUATORS WITH END SWITCHES
7. SYSTEM OPERATES 24 HOUR A DAY 7 DAYS PER WEEK.
8. POINTS TRANSMITTED OVER THE NETWORK CABLE SHALL INCLUDE BUT NOT BE LIMITED TO SPACE TEMPERATURE, TEMPERATURE SETPOINT, FAULT CODE, RUNNING STATUS.

ELECTRICAL ROOM. — 2 / -

SCALE: NTS

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FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	DK	LC	EV	FINAL AS-BUILT

DESIGNED BY: S. ZAKI
DRAWN BY: S. TUTHILL
CHECKED BY: L. COPPA
APPROVED BY: E. VANDER MEY

RUSHING Engineering - Essentials - Delivery
HENSEL PHELPS Plan. Build. Manage.
kpff
SOUNDTRANSIT

SUBMITTED BY: SARA ROBERTS
DATE: 10/26/2022
REVIEWED BY: GREG SHIMIZU
DATE: 10/26/2022

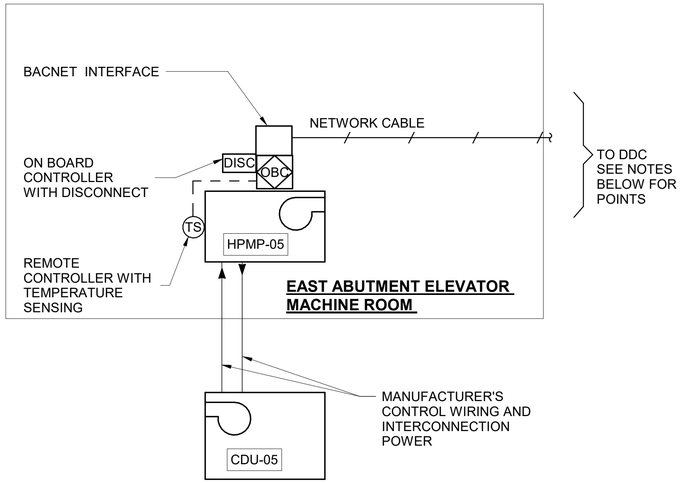
LINE IS 1" AT FULL SCALE

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FILENAME: S317-F1592-M_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
MECHANICAL
HVAC
AIRFLOW AND CONTROL DIAGRAMS

DRAWING No.: F1592-MHS930
FACILITY ID: F1592
SHEET No.: 498
REV.: 0

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SEQUENCE OF OPERATION

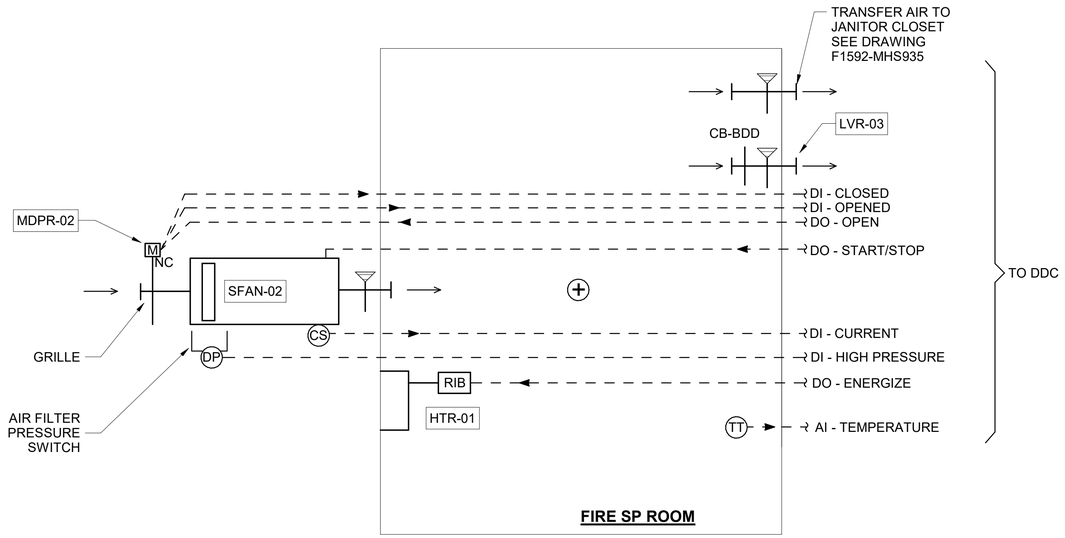
1. ONBOARD CONTROLLER FOR HEAT PUMP SHALL FORWARD SPACE TEMPERATURE TO DDC.
2. ELEVATOR MACHINE ROOM HEAT PUMP(S) AND ASSOCIATED CONDENSING PUMP CYCLE BASED ON LOAD.
3. RS485 CABLE INTERFACES AT HPMP UNIT AND REPORTS FAULTS AND OPERATIONAL INFORMATION BACK TO DDC.
4. SETPOINTS SHALL BE 55°F FOR HEATING AND 80° F COOLING (DDC ADJUSTABLE).
5. SYSTEM OPERATES 24 HOUR A DAY 7 DAYS PER WEEK.

NOTES:

1. SEE CONDUIT REQUIREMENTS FOR ELECTRICAL CONTRACTOR ON DRAWING F1592-EPS950 - F1592-EPS952.
2. SEE CONDUIT SCHEDULES FOR CONDUIT AND CABLE F1592-JCS950 - F1592-JBS951.
3. SEE BMS DRAWINGS FOR COMPLETE POINTS LIST F1592-JBS970 - F1592-JBS971.
4. INTERFACE TO THE DDC SHALL BE OVER RS485 CABLE .
5. FOR NETWORK POINTS LIST, SEE F1592-JBS970 - F1592-JBS971.
6. REMOTE CONTROLLER (WHICH SENSES TEMPERATURE) SHALL BE FURNISHED BY EQUIPMENT MANUFACTURER.
7. CONTRACTOR SHALL FURNISH CONDUITS AND CABLE REQUIRED FOR INSTALLATION OF CONTROL SYSTEM.
8. POINTS TRANSMITTED OVER THE NETWORK CABLE SHALL INCLUDE BUT NOT BE LIMITED TO SPACE TEMPERATURE, TEMPERATURE SETPOINT, FAULT CODE, RUNNING STATUS.

ELEVATOR MACHINE ROOM — 1 / -

SCALE: NTS



SEQUENCE OF OPERATION

1. DDC OPENS AND CLOSES MOTORIZED DAMPER IN SUPPLY DUCTWORK AS DESCRIBED BELOW.
2. THE SUPLLY FAN MOTORIZED DAMPER SHALL OPEN BEFORE THE SUPPLY FAN RUNS. UPON VERIFYING OPERATION OF MOTORIZED DAMPER THE SUPPLY FAN IS THEN ENABLED BY DDC.
3. SUPPLY FAN OPERATION IS MONITORED BY DDC, BY MEANS OF A CURRENT SWITCH. LACK OF CURRENT SENDS A FAULT SIGNAL TO THE DDC.
4. SUPPLY FAN RUNS FOR 15 MINUTES PER HOUR, OR WHENEVER SPACE TEMPERATURE EXCEEDS 85°F (DDC ADJUSTABLE). IF SPACE TEMPERATURE EXCEEDS THE MAXIMUM ACCEPTABLE LEVEL OF 100° F (DDC ADJUSTABLE) AN ALARM SIGNAL IS GENERATED AT THE DDC.
5. SUPPLY FAN ALSO RUNS WHEN CALLED BY SEQUENCE FOR JANITOR'S CLOSET ON F1592-MHS935.
6. UPON A RISE IN DIFFERENTIAL FILTER STATIC PRESSURE ABOVE 0.2" W.G. (DDC ADJUSTABLE). AN ALARM IS GENERATED AT THE DDC.
7. ROOM TEMPERATURE TRANSMITTER MONITORS SPACE TEMPERATURE AND REPORTS TO DDC.
8. ELECTRIC HEATER ENERGIZED BY SIGNAL FROM DDC TO RELAY IN RESPONSE TO DROP IN SPACE TEMPERATURE BELOW 50°F (DDC ADJUSTABLE) AND SHALL OPERATE TO MAINTAIN TEMPERATURE SETPOINT OF 60 °F (DDC ADJUSTABLE). AFTER HEATING SETPOINT HAS BEEN SATISFIED FOR 15 MINUTES (DDC ADJUSTABLE) THE HEATER SHALL BE DE-ENERGIZED.
9. IF SPACE TEMPERATURE DROPS BELOW 45°F, THE DDC SHALL OVERRIDE OTHER SEQUENCES AND TEMPORARILY DISABLE THE SUPPLY FAN AND CLOSE THE MOTORIZED DAMPER. DAMPER WILL REOPEN AND SUPPLY FAN WILL BE RE-ENABLED WHEN SPACE TEMPERATURE REACHES 60°F AND SHALL CONTINUE TO MAINTAIN SET POINT TEMPERATURE OF 60°F. SUPPLY FAN CYCLING FOR 15 MINUTES EACH HOUR WILL RESUME AS WELL AT THAT TIME.
10. SYSTEM OPERATES 24 HOUR A DAY 7 DAYS PER WEEK.

NOTES:

1. SEE CONDUIT REQUIREMENTS FOR ELECTRICAL CONTRACTOR ON DRAWING F1592-EPS950 - F1592-EPS952.
2. SEE CONDUIT SCHEDULES FOR CONDUIT AND CABLE F1592-JCS950 - F1592-JBS951.
3. SEE BMS DRAWINGS FOR COMPLETE POINTS LIST F1592-JBS970 - F1592-JBS971.
4. INTERFACE TO THE DDC SHALL BE BACNET RS485 TWISTED PAIR CABLE.
5. ENABLING AND DISABLING SYSTEMS BY THE DDC WILL BE BY A TIME SCHEDULE.
6. CONTROL WIRING ASSOCIATED WITH THE DIRECT OPERATION OF THE EQUIPMENT WITHIN THE SPACES IS SHOWN AS SOLID LINES ON THE CONTROL DIAGRAMS. DDC SIGNAL WIRING IS SHOWN AS DASHED LINES ON THE CONTROL DIAGRAMS. COMMUNICATION WIRING IS SHOWN AS A SOLID LINE WITH HASH MARKS.
7. NON-DDC THERMOSTATS FOR EQUIPMENT SHALL BE FURNISHED BY EQUIPMENT MANUFACTURER.
8. DDC CONTRACTOR SHALL FURNISH THE FOLLOWING COMPONENTS, CONDUITS, AND CABLE FOR INSTALLATION IN THE HVAC SYSTEMS:
   A. ROOM TEMPERATURE TRANSMITTERS
   B. CURRENT SENSORS
   C. AIR FILTER PRESSURE DROP TRANSMITTER
   D. DAMPER ACTUATORS WITH DAMPER POSITION VERIFICATION
   E. REMOTE RELAYS IN A BOX (RIB)
9. WIRING BETWEEN RELAYS (RIB) AND EQUIPMENT IS BY ELECTRICAL OR CONTROLS CONTRACTOR.
10. THE HEATING SETPOINT FOR ROOMS SERVED BY ELECTRIC WALL HEATERS SHALL BE 55°F (DDC ADJUSTABLE).

FIRE SP ROOM — 2 / -

SCALE: NTS

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CHECKED BY: L. COPPA
APPROVED BY: E. VANDER MEY

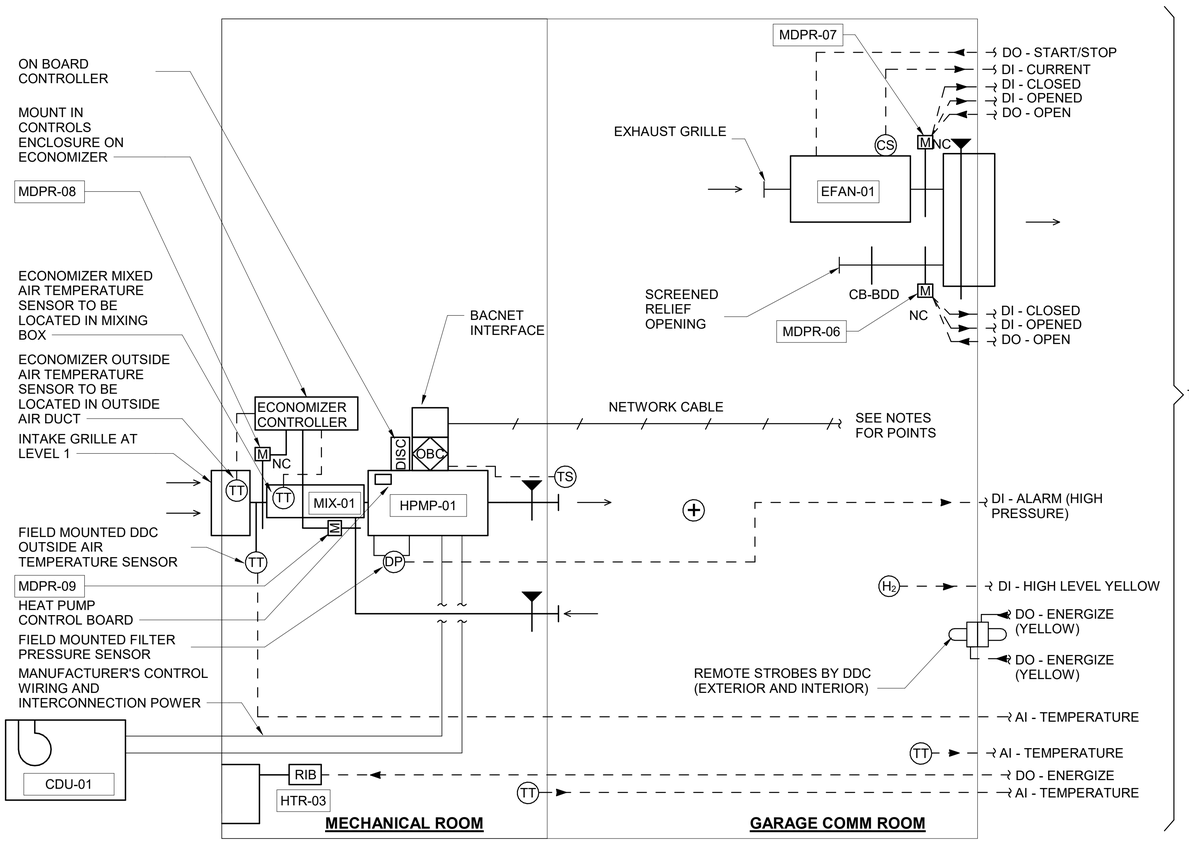
RUSHING Engineering – Essentials – Delivery
HENSEL PHELPS Plan. Build. Manage.
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LINE IS 1" AT FULL SCALE
SOUNDTRANSIT

SUBMITTED BY: SARA ROBERTS
DATE: 10/26/2022
REVIEWED BY: GREG SHIMIZU
DATE: 10/26/2022
SCALE: NTS
FILENAME: S317-F1592-M_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
MECHANICAL
HVAC
AIRFLOW AND CONTROL DIAGRAMS

DRAWING No.: F1592-MHS931
FACILITY ID: F1592
SHEET No.: 499
REV.: 0

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GARAGE COMM ROOM

SCALE: NTS

1
-

SEQUENCE OF OPERATION

COMM ROOM:

1. HEAT PUMP AND ASSOCIATED CONDENSING UNIT PROVIDE HEATING OR COOLING BASED ON LOAD TO CONTROL SPACE TEMPERATURE.
2. COMM ROOM HEAT PUMP REMOTE CONTROLLER MONITORS SPACE TEMPERATURE AND REPORTS TO THE HEAT PUMP ON BOARD CONTROLLER. THE ECONOMIZER DETERMINES OA/RA DAMPER POSITION AND WHEN TO INITIATE MECHANICAL COOLING.
3. THE HEAT PUMP FAN IS ALWAYS RUNNING TO PROVIDE POSITIVE PRESSURE IN THE COMM ROOM AND PROVIDE MINIMUM CFM REQUIRED BY HYDROGEN MONITORING.
4. THE DDC WILL REMOTELY MONITOR ROOM TEMPERATURES AND GENERATE ALARMS IF THE TEMPERATURES DEPART FROM THE ACCEPTABLE TEMPERATURE RANGE FOR MORE THAN 15 MINUTES.
5. BACNET INTERFACE AT HPMP UNIT REPORTS FAULTS AND OPERATIONAL INFORMATION TO DDC BY NETWORKED COMMUNICATIONS INTERFACE.
6. MIXING BOX ECONOMIZER SYSTEM MONITORS OUTDOOR AIR TEMPERATURE AND MIXED AIR AND PROVIDES FIXED DRYBULB CONTROL.
7. SEE NOTE 11 ON MHD-830 TO DETERMINE HEAT PUMP OUTDOOR AIR AND RETURN AIR DAMPER INITIAL POSITIONS.
8. OUTDOOR AND MIXED AIR TEMPERATURES SHALL BE USED TO DETERMINE IF FREE COOLING USING OUTDOOR AIR IS POSSIBLE (BELOW 75 F) . IF CONDITIONS ARE ACCEPTABLE, FREE COOLING IS INITIATED BY THE FOLLOWING STEPS:
   A. ECONOMIZER MODULATES RETURN AIR DAMPER CLOSED AND OUTDOOR DAMPER OPEN.
   B. ECONOMIZER SHALL MODULATE DAMPERS TO PROVIDE FREE COOLING TO COMM ROOM AS LONG AS CONDITIONS PERMIT.
   C. WHEN THE ECONOMIZER SYSTEM DETERMINES THAT FREE COOLING IS NO LONGER POSSIBLE, THE DAMPERS WILL RETURN TO THEIR ORIGINAL POSITION AND MECHANICAL COOLING WILL START.
   D. ECONOMIZER IS DISABLED WHEN HEAT PUMP ENTERS HEATING MODE.
9. MOTORIZED DAMPER, MDPR-07 SHALL BE OPEN WHEN THE EXHAUST FAN IS OPERATING. DDC SHALL MONITOR POSITION VIA END SWITCH OF AND VERIFY DAMPER POSITION IS OPEN PRIOR TO STARTING EXHAUST FAN.
10. THE DDC SHALL SIGNAL MDPR-06 TO BE OPEN WHEN HPMP-01 FAN IS OPERATING. THE DDC SHALL MONITOR DAMPER POSITION VIA END SWITCH.
11. HYDROGEN SENSING SYSTEM CONSTANTLY MONITORS FOR HYDROGEN WITHIN THE SPACE. UPON SENSING HYDROGEN, THE FOLLOWING OCCURS:
    a. HEAT PUMP SERVING ROOM SHALL CONTINUE TO SUPPLY AIR TO THE ROOM.
    b. AT 1% HYDROGEN LEVEL, A YELLOW WARNING LIGHT BOTH INSIDE AND OUTSIDE THE ROOM IS ENERGIZED AT THE SYSTEM MODULE. A FLASHING STROBE IS ACTIVATED, AND AN AUDIBLE ALARM IS INITIATED WITHIN THE SPACE. ALARM SIGNAL IS ALSO SENT TO THE DDC.
    c. DDC OPENS MOTORIZED DAMPER IN EXHAUST DUCTWORK AND MOTORIZED DAMPER IN RELIEF AIR. DAMPER POSITIONS ARE RELAYED BACK TO DDC FOR BOTH MOTORIZED DAMPERS.
    d. DDC STARTS EXHAUST FAN AFTER DAMPER POSITION IS VERIFIED OPEN.
    e. EXHAUST FAN RUNNING STATUS IS MONITORED BY DDC, BY MEANS OF A CURRENT SWITCH.
    f. ONCE THE HYDROGEN LEVEL WITHIN THE ROOM HAS DROPPED BELOW THE 1% LEVEL, THE DDC SYSTEM WILL DISABLE THE EXHAUST FAN, CLOSE THE EXHAUST DAMPER .
12. WHEN A FIRE ALARM IS TRIGGERED IN THE COMM ROOM, THE FACP SHALL NOTIFY THE DDC TO SHUT DOWN THE HVAC EQUIPMENT SERVING THE COMM ROOM.

MECH ROOM:

1. MECHANICAL ROOM TEMPERATURE TRANSMITTER MONITORS SPACE TEMPERATURE AND REPORTS TO DDC.
2. UPON A DROP IN SPACE TEMPERATURE OF 5°F (DDC ADJUSTABLE) BELOW SET POINT (55°F)(DDC ADJUSTABLE), ELECTRIC HEATER IS ENERGIZED BY SIGNAL FROM DDC VIA A RELAY.
3. AFTER ROOM SETPOINT IS SATISFIED FOR 15 MINUTES (DDC ADJUSTABLE) THE DDC DE-ENERGIZES THE ELECTRIC HEATER.

NOTES:

1. SEE CONDUIT REQUIREMENTS FOR ELECTRICAL CONTRACTOR ON DRAWING F1592-EPS950 - F1592-EPS952.
2. SEE CONDUIT SCHEDULES FOR CONDUIT AND CABLE F1592-JCS950 - F1592-JBS951.
3. SEE BMS DRAWINGS FOR COMPLETE POINTS LIST F1592-JBS970 - F1592-JBS971.
4. CONTRACTOR SHALL FURNISH THE FOLLOWING COMPONENTS, CONDUITS AND CABLE FOR INSTALLATION IN THE HVAC SYSTEMS:
   a. ROOM TEMPERATURE TRANSMITTERS
   b. CURRENT SWITCHES
   c. DAMPER ACTUATORS WITH END SWITCHES
   d. FIELD MOUNTED FILTER PRESSURE SENSOR FOR HPMP-01 TO READ FILTER STATIC PRESSURE
   e. REMOTE RELAYS IN A BOX (RIB)
   f. STROBE WITH BUZZER
5. WIRING BETWEEN RELAYS (RIB) AND EQUIPMENT IS BY ELECTRICAL CONTRACTOR.
6. SYSTEM OPERATION IS AVAILABLE 24 HOUR A DAY 7 DAYS PER WEEK.
7. ELECTRICAL DISCONNECT FOR ELECTRIC HEATER IS BY ELECTRICAL CONTRACTOR.
8. POINTS TRANSMITTED OVER THE NETWORK CABLE SHALL INCLUDE BUT NOT BE LIMITED TO SPACE TEMPERATURE, TEMPERATURE SETPOINT, FAULT CODE, RUNNING STATUS.
9. SETPOINTS FOR COMM ROOM SHALL BE 68°F FOR HEATING AND 75°F FOR COOLING.

DESIGN RECORD DRAWING UPDATES ARE BASED ON CONTRACTOR'S REDLINES. THE ITEMS AS SHOWN HAVE NOT BEEN INDEPENDENTLY VERIFIED BY RUSHING.

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	DK	LC	EV	FINAL AS-BUILT

DESIGNED BY: S. ZAKI
DRAWN BY: S. TUTHILL
CHECKED BY: L. COPPA
APPROVED BY: E. VANDER MEY

RUSHING Engineering - Essentials - Delivery
SUBMITTED BY: SARA ROBERTS

HENSEL PHELPS Plan. Build. Manage.
kpff
DATE: 10/26/2022
REVIEWED BY: GREG SHIMIZU

LINE IS 1" AT FULL SCALE

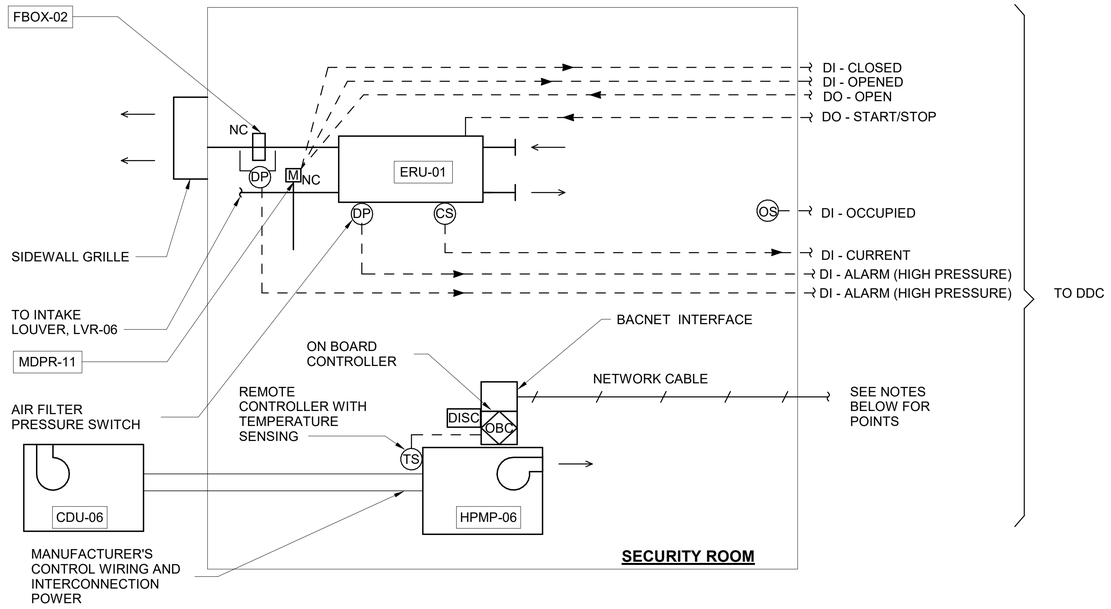
SOUNDTRANSIT
DATE: 10/26/2022

SCALE: NTS
FILENAME: S317-F1592-M_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
MECHANICAL
HVAC
AIRFLOW AND CONTROL DIAGRAMS

DRAWING No.: F1592-MHS932
FACILITY ID: F1592
SHEET No.: 500
REV: 0

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SEQUENCE OF OPERATION

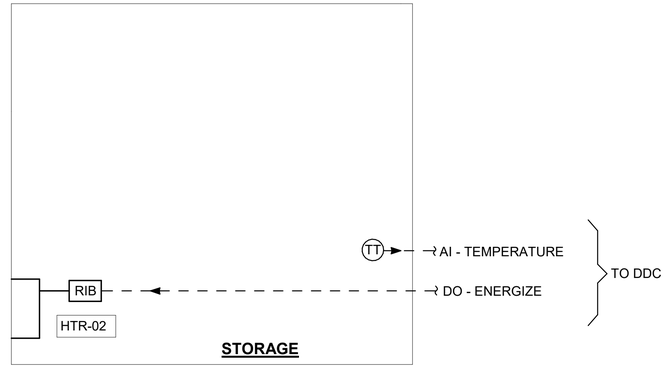
1. SECURITY ROOM HEAT PUMP AND ASSOCIATED CONDENSING UNIT ARE REMOTELY ENABLED AND DISABLED BY DDC THROUGH A NETWORKED CONNECTION AND BASED ON OPERATING SCHEDULE.
2. HEAT PUMP CYCLES BASED ON LOAD. ONBOARD CONTROLLER FOR HEAT PUMP SHALL FORWARD SPACE TEMPERATURE TO DDC.
3. MOTORIZED DAMPERS SHALL BE OPEN WHEN THE FANS ARE RUNNING. DDC SHALL MONITOR END SWITCHES TO VERIFY DAMPER POSITION.
4. DDC REMOTELY MONITORS AND ADJUSTS TEMPERATURE AND SETPOINT THROUGH ON-BOARD CONTROLLER (OBC).
5. BACNET INTERFACE AT HEAT PUMP REPORTS FAULTS AND OPERATIONAL INFORMATION FROM THE OBC BACK TO THE DDC.
6. DDC OPENS AND CLOSES ALL MOTORIZED DAMPERS IN SUPPLY AND EXHAUST DUCTWORK BASED ON OPERATING SCHEDULE AND AS OVERRIDDEN BY OCCUPANCY SENSOR.
7. UPON VERIFYING OPERATION OF MOTORIZED DAMPERS. THE ENERGY RECOVERY UNIT IS THEN REMOTELY ENABLED BY DDC.
8. ERU RUNS CONTINUOUSLY DURING OCCUPIED HOURS AND WHEN OVERRIDDEN BY OCCUPANCY SENSOR.
9. WHEN ERU OPERATION IS INITIATED BY THE OCCUPANCY SENSOR THE ERU SHALL STOP 15 MINUTES AFTER SPACE IS NO LONGER OCCUPIED.
10. ERU IS MONITORED BY DDC, USING CURRENT SENSOR. LACK OF CURRENT SENDS A FAULT SIGNAL TO THE DDC.
11. UPON A RISE IN DIFFERENTIAL FILTER STATIC PRESSURE AT EITHER THE PREFILTER (IN FBOX-01) OR FINAL FILTER (IN ERU-01) ABOVE 0.2" W.G. (DDC ADJUSTABLE). AN ALARM IS GENERATED AT THE DDC.

NOTES:

1. SEE CONDUIT REQUIREMENTS FOR ELECTRICAL CONTRACTOR ON DRAWING F1592-EPS950 - F1592-EPS952.
2. SEE CONDUIT SCHEDULES FOR CONDUIT AND CABLE F1592-JCS950 - F1592-JBS951.
3. SEE BMS DRAWINGS FOR COMPLETE POINTS LIST F1592-JBS970 - F1592-JBS971.
4. INTERFACE TO THE DDC SHALL BE OVER RS485 CABLE.
5. ENABLING AND DISABLING SYSTEMS BY THE DDC WILL BE BY A TIME SCHEDULE.
6. FOR NETWORK POINTS LIST, SEE F1592-JBS970 - F1592-JBS971.
7. HEAT PUMP REMOTE CONTROLLER (WHICH SENSES TEMPERATURE) SHALL BE FURNISHED BY EQUIPMENT MANUFACTURER.
8. CONTRACTOR SHALL FURNISH THE FOLLOWING COMPONENTS, CONDUITS AND CABLE FOR INSTALLATION IN THE HVAC SYSTEMS:
   a. ROOM TEMPERATURE TRANSMITTERS
   b. CURRENT SWITCH
   c. AIR FILTER PRESSURE DROP SWITCH
   d. FIELD MOUNTED PRESSURE SWITCH ON ENERGY RECOVERY UNIT
   e. OCCUPANCY SENSOR
   f. DAMPER ACTUATORS WITH END SWITCHES
9. THE HEATING SETPOINT SHALL BE 68°F (DDC ADJUSTABLE) AND 75°F FOR COOLING (DDC ADJUSTABLE).
10. STANDARD OPERATING HOURS SHALL BE INITIALLY SET AT 5:00 AM TO 1:00 AM, 7 DAYS PER WEEK THIS WILL BE ADJUSTED BY THE DDC TO CORRESPOND TO THE NEEDS OF EACH STATION AND GARAGE AS REQUIRED.
11. POINTS TRANSMITTED OVER THE NETWORK CABLE SHALL INCLUDE BUT NOT BE LIMITED TO SPACE TEMPERATURE, TEMPERATURE SETPOINT, FAULT CODE, RUNNING STATUS.

SECURITY ROOM 1

SCALE: NTS



SEQUENCE OF OPERATION

1. ROOM TEMPERATURE TRANSMITTER MONITORS SPACE TEMPERATURE AND REPORTS TO DDC.
2. UPON A DROP IN SPACE TEMPERATURE BELOW SETPOINT OF 55 F (DDC ADJUSTABLE) THE DDC SHALL ENERGIZE THE ELECTRIC HEATER VIA A RELAY.
3. AFTER HEATING SETPOINT HAS BEEN SATISFIED FOR 15 MINUTES (DDC ADJUSTABLE) THE HEATER SHALL BE DE-ENERGIZED.
4. DDC SHALL GENERATE AN ALARM IF THE ROOM TEMPERATURE DROPS 5 F (DDC ADJUSTABLE) BELOW SETPOINT.

NOTES:

1. SEE CONDUIT REQUIREMENTS FOR ELECTRICAL CONTRACTOR ON DRAWING F1592-EPS950 - F1592-EPS952.
2. SEE CONDUIT SCHEDULES FOR CONDUIT AND CABLE F1592-JCS950 - F1592-JBS951.
3. SEE BMS DRAWINGS FOR COMPLETE POINTS LIST F1592-JBS970 - F1592-JBS971.
4. NON-DDC THERMOSTATS FOR EQUIPMENT SHALL BE FURNISHED BY EQUIPMENT MANUFACTURER.
5. DDC CONTRACTOR SHALL FURNISH THE FOLLOWING COMPONENTS, CONDUITS AND CABLE FOR INSTALLATION IN THE HVAC SYSTEMS:
   a. ROOM TEMPERATURE TRANSMITTERS
   b. REMOTE RELAYS IN A BOX (RIB)
6. SYSTEM OPERATION IS AVAILABLE 24 HOUR A DAY 7 DAYS PER WEEK.

STORAGE ROOM 2

SCALE: NTS

DESIGN RECORD DRAWING UPDATES ARE BASED ON CONTRACTOR'S REDLINES. THE ITEMS AS SHOWN HAVE NOT BEEN INDEPENDENTLY VERIFIED BY RUSHING.

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	DK	LC	EV	FINAL AS-BUILT

DESIGNED BY: S. ZAKI
DRAWN BY: S. TUTHILL
CHECKED BY: L. COPPA
APPROVED BY: E. VANDER MEY

RUSHING Engineering - Essentials - Delivery
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LINE IS 1" AT FULL SCALE
SOUNDTRANSIT

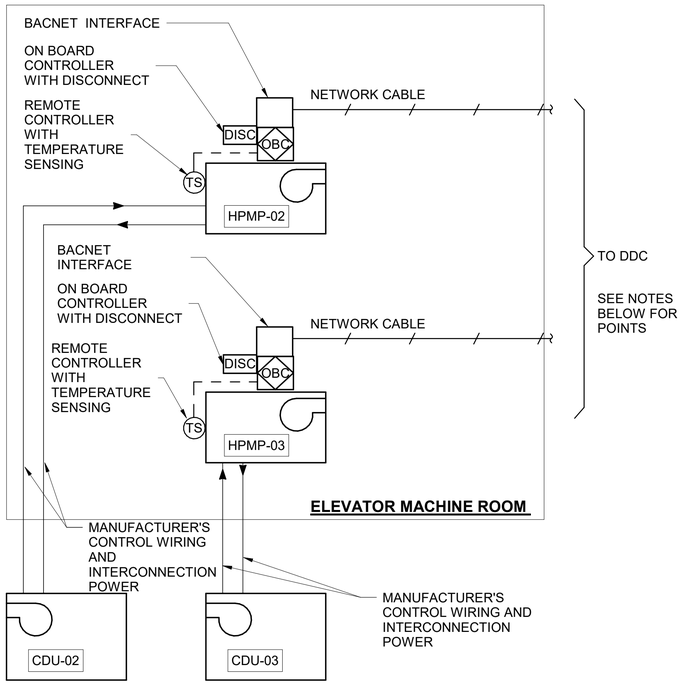
SUBMITTED BY: SARA ROBERTS
DATE: 10/26/2022
REVIEWED BY: GREG SHIMIZU
DATE: 10/26/2022

SCALE: NTS
FILENAME: S317-F1592-M_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
MECHANICAL
HVAC
AIRFLOW AND CONTROL DIAGRAMS

DRAWING No.: F1592-MHS933
FACILITY ID: F1592
SHEET No: 501
REV: 0

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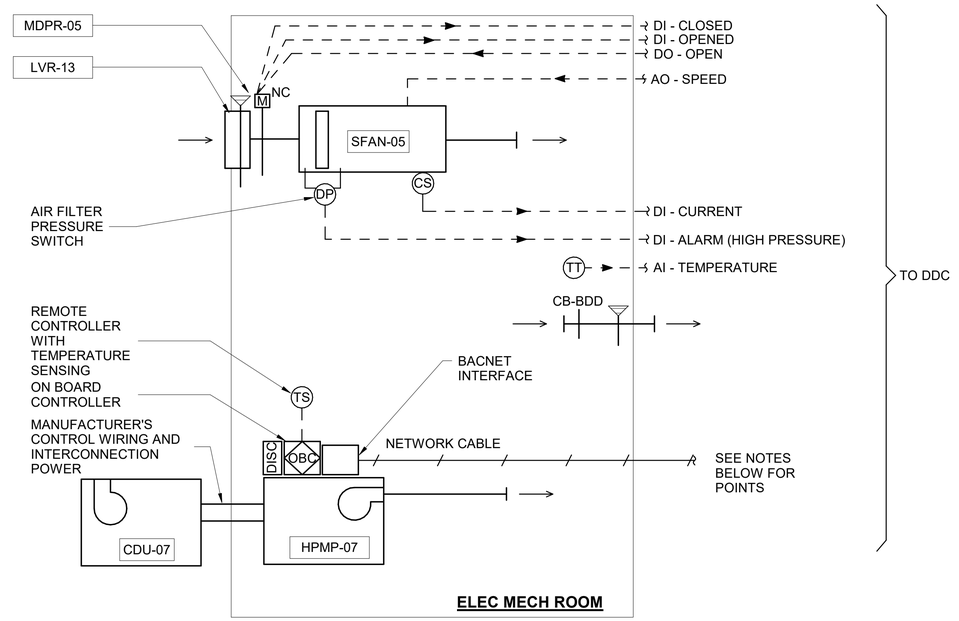
1. ONBOARD CONTROLLER FOR HEAT PUMP SHALL FORWARD SPACE TEMPERATURE TO DDC.
2. ELEVATOR MACHINE ROOM HEAT PUMP(S) AND ASSOCIATED CONDENSING PUMP CYCLE BASED ON LOAD.
3. NETWORK CABLE INTERFACES AT HPMP UNIT AND REPORTS FAULTS AND OPERATIONAL INFORMATION BACK TO DDC.
4. INITIAL THERMOSTAT COOLING SETPOINT IS 95°F FOR HPMP-02 AND 90°F FOR HPMP-03.
5. THE HEATING SETPOINT IS 55°F FOR HPMP-02 AND 50°F FOR HPMP-03.

NOTES:

1. SEE CONDUIT REQUIREMENTS FOR ELECTRICAL CONTRACTOR ON DRAWING F1592-EPS950 - F1592-EPS952.
2. SEE CONDUIT SCHEDULES FOR CONDUIT AND CABLE F1592-JCS950 - F1592-JBS951.
3. SEE BMS DRAWINGS FOR COMPLETE POINTS LIST F1592-JBS970 - F1592-JBS971.
4. INTERFACE TO THE DDC SHALL BE OVER NETWORK CABLE .
5. FOR NETWORK POINTS LIST, SEE F1592-JBS970 - F1592-JBS971.
6. HEAT PUMP REMOTE CONTROLLER (WHICH SENSES TEMPERATURE) SHALL BE FURNISHED BY EQUIPMENT MANUFACTURER.
7. CONTRACTOR SHALL FURNISH DAMPER ACTUATORS, CONDUITS AND CABLE REQUIRED FOR INSTALLATION OF CONTROL SYSTEM.
8. SYSTEM OPERATES 24 HOUR A DAY 7 DAYS PER WEEK.
9. POINTS TRANSMITTED OVER THE NETWORK CABLE SHALL INCLUDE BUT NOT BE LIMITED TO SPACE TEMPERATURE, TEMPERATURE SETPOINT, FAULT CODE, RUNNING STATUS.

ELEVATOR MACHINE ROOM — 1 / -

SCALE: NTS



SEQUENCE OF OPERATION

1. SPACE TEMPERATURE TRANSMITTER MONITORS SPACE TEMPERATURE AND REPORTS TO DDC.
2. HPMP MAINTAINS ROOM SETPOINT DURING COOLING AND HEATING. 90 F COOLING SETPOINT AND 55 F HEATING SETPOINT
3. THE ONBOARD THERMOSTAT WITHIN THE HPMP UNIT CONTROLS SPACE TEMPERATURE. .
4. DDC OPENS AND CLOSES MOTORIZED DAMPER IN SUPPLY DUCTWORK.
5. UPON VERIFYING OPENING OF MOTORIZED DAMPER, A SIGNAL IS SENT TO THE DDC AND THE AREA SUPPLY FAN IS REMOTELY ENABLED BY DDC.
6. SUPPLY FAN IS ALWAYS RUNNING TO MAINTAIN POSITIVE PRESSURE
7. SUPPLY FAN OPERATION IS MONITORED BY DDC, BY MEANS OF A CURRENT SWITCH. LACK OF CURRENT SENDS A FAULT SIGNAL TO THE DDC.
8. UPON A RISE IN DIFFERENTIAL FILTER STATIC PRESSURE ABOVE 0.2" W.G. (DDC ADJUSTABLE). AN ALARM IS GENERATED AT THE DDC.
9. UPON A RISE IN TEMPERATURE ABOVE 95°F (DDC ADJUSTABLE), AN ALARM IS GENERATED AT THE DDC.

NOTES:

1. SEE CONDUIT REQUIREMENTS FOR ELECTRICAL CONTRACTOR ON DRAWING F1592-EPS950 - F1592-EPS952.
2. SEE CONDUIT SCHEDULES FOR CONDUIT AND CABLE F1592-JCS950 - F1592-JBS951.
3. SEE BMS DRAWINGS FOR COMPLETE POINTS LIST F1592-JBS970 - F1592-JBS971.
4. INTERFACE TO THE DDC SHALL BE OVER NETWORK CABLE.
5. HEAT PUMP REMOTE CONTROLLER (WHICH SENSES TEMPERATURE) SHALL BE FURNISHED BY EQUIPMENT MANUFACTURER.
6. CONTROLS CONTRACTOR SHALL FURNISH THE FOLLOWING COMPONENTS, CONDUITS AND CABLE FOR INSTALLATION IN THE HVAC SYSTEMS:
   a. CURRENT SWITCH
   b. AIR FILTER PRESSURE DROP SWITCH
   c. DAMPER ACTUATORS WITH END SWITCHES
   d. TEMPERATURE TRANSMITTER
7. SYSTEM OPERATES 24 HOUR A DAY 7 DAYS PER WEEK.
8. POINTS TRANSMITTED OVER THE NETWORK CABLE SHALL INCLUDE BUT NOT BE LIMITED TO SPACE TEMPERATURE, TEMPERATURE SETPOINT, FAULT CODE, RUNNING STATUS.

ELEC MECH ROOM. — 2 / -

SCALE: NTS

DESIGN RECORD DRAWING UPDATES ARE BASED ON CONTRACTOR'S REDLINES. THE ITEMS AS SHOWN HAVE NOT BEEN INDEPENDENTLY VERIFIED BY RUSHING.

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	DK	LC	EV	FINAL AS-BUILT

DESIGNED BY: S. ZAKI
DRAWN BY: S. TUTHILL
CHECKED BY: L. COPPA
APPROVED BY: E. VANDER MEY

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SOUNDTRANSIT

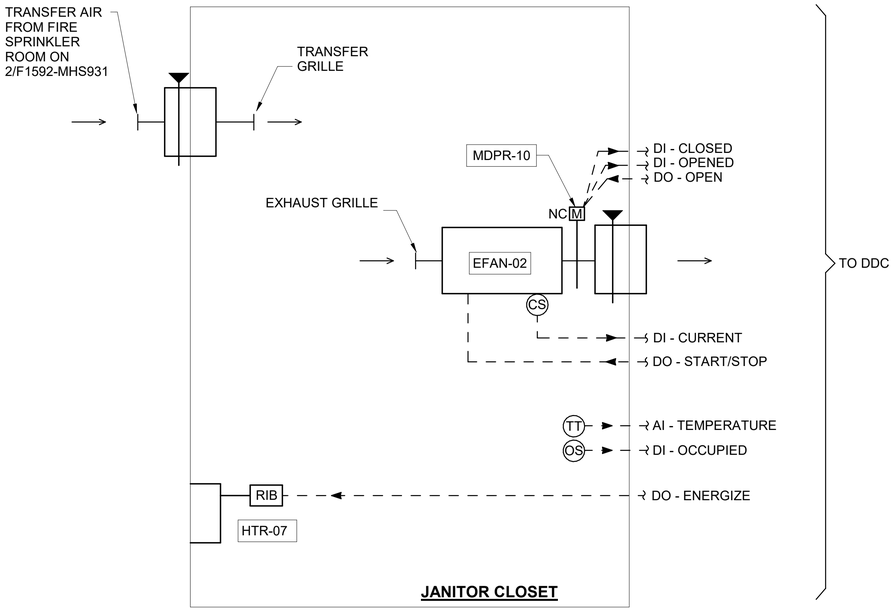
SUBMITTED BY: SARA ROBERTS
DATE: 10/26/2022
REVIEWED BY: GREG SHIMIZU
DATE: 10/26/2022

SCALE: NTS
FILENAME: S317-F1592-M_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
MECHANICAL
HVAC
AIRFLOW AND CONTROL DIAGRAMS

DRAWING No.: F1592-MHS934
FACILITY ID: F1592
SHEET No.: 502
REV: 0

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SEQUENCE OF OPERATION

JANITOR CLOSET:

1. JANITOR CLOSET TEMPERATURE TRANSMITTER MONITORS SPACE TEMPERATURE AND REPORTS TO DDC.
2. UPON A DROP IN SPACE TEMPERATURE OF 5°F (DDC ADJUSTABLE) BELOW SET POINT (55°F)(DDC ADJUSTABLE), ELECTRIC HEATER IS ENERGIZED BY SIGNAL FROM DDC VIA A RELAY.
3. AFTER ROOM SETPOINT IS SATISFIED FOR 15 MINUTES (DDC ADJUSTABLE) THE DDC DE-ENERGIZES THE ELECTRIC HEATER.
4. VENTILATION SHALL BE ACTIVATED BY A LIGHT SWITCH OCCUPANCY SENSOR WITH A 15 MINUTE TIME DELAY OFF (DDC ADJUSTABLE) AFTER SPACE IS NO LONGER OCCUPIED.
5. WHEN THE OCCUPANCY SENSOR INDICATES OCCUPANCY; THE DDC SHALL OPEN THE MOTORIZED DAMPER MDRP-10 IN THE EXHAUST DUCTWORK, MDPR-02 IN THE SUPPLY DUCTWORK OF THE FIRE SPRINKLER ROOM, AND START SFAN-02 (SEE FIRE SP DIAGRAM ON F1592-MHS931). AFTER THE DAMPER POSITION IS VERIFIED A SIGNAL IS SENT FROM THE DDC TO START THE EXHAUST FAN IF IT IS NOT PREVIOUSLY RUNNING. FAN OPERATION SHALL CONTINUE FOR 15 MINUTES AFTER SPACE IS NO LONGER OCCUPIED; AFTER WHICH THE EHXAUST FAN SHALL STOP AND EXHAUST MOTORIZED DAMPER MDPR-10 SHALL CLOSE; MDPR-02 AND SFAN-02 SHALL CLOSE UNLESS COMMANDED TO RUN BY FIRE/SP ROOM SEQUENCE.
6. THE EXHAUST FAN RUNNING STATUS IS MONITORED BY THE DDC VIA THE CURRENT SWITCH.

NOTES:

1. SEE CONDUIT REQUIREMENTS FOR ELECTRICAL CONTRACTOR ON DRAWING F1592-EPS950 - F1592-EPS952.
2. SEE CONDUIT SCHEDULES FOR CONDUIT AND CABLE F1592-JCS950 - F1592-JBS951.
3. SEE BMS DRAWINGS FOR COMPLETE POINTS LIST F1592-JBS970 - F1592-JBS971.
4. CONTRACTOR SHALL FURNISH THE FOLLOWING COMPONENTS, CONDUITS AND CABLE FOR INSTALLATION IN THE HVAC SYSTEMS:
   a. ROOM TEMPERATURE TRANSMITTER
   b. CURRENT SWITCH
   c. DAMPER ACTUATOR WITH END SWITCH
   d. REMOTE RELAY IN A BOX (RIB)
   e. OCCUPANCY SENSOR
5. SYSTEM OPERATION IS AVAILABLE 24 HOUR A DAY 7 DAYS PER WEEK.

JANITOR CLOSET — 1

SCALE: NTS

DESIGN RECORD DRAWING UPDATES ARE BASED ON CONTRACTOR'S REDLINES. THE ITEMS AS SHOWN HAVE NOT BEEN INDEPENDENTLY VERIFIED BY RUSHING.

FINAL AS-BUILT

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0	10/26/2022	DK	LC	EV	FINAL AS-BUILT

DESIGNED BY: S. ZAKI
DRAWN BY: S. TUTHILL
CHECKED BY: L. COPPA
APPROVED BY: E. VANDER MEY

RUSHING Engineering - Essentials - Delivery
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kpff
SOUNDTRANSIT

LINE IS 1" AT FULL SCALE

SUBMITTED BY: SARA ROBERTS
DATE: 10/26/2022
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DATE: 10/26/2022

SCALE: NTS
FILENAME: S317-F1592-M_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
MECHANICAL
HVAC
AIRFLOW AND CONTROL DIAGRAMS

DRAWING No.: **F1592-MHS935**
FACILITY ID: F1592
SHEET No.: 503
REV: 0

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SPLIT SYSTEM HEAT PUMP SCHEDULE

TAG#	BASIS OF DESIGN					INDOOR UNIT LOCATION	DESIGN PARAMETERS									
	CONDENSER	TYPE	MANUFACTURER	INDOOR MODEL	CONDENSER MODEL		OUTDOOR NOMINAL TONNAGE	OUTDOOR UNIT LOCATION	OUTDOOR UNIT CONFIGURATION	AREA SERVED	EVAPORATOR CFM	EVAPORATOR FAN ESP	COOLING EAT (DB/RH)	EQUIPMENT TOTAL MBH COOLING CAPACITY	EQUIPMENT SENSIBLE MBH COOLING CAPACITY	HEATING EAT (DB)	TOTAL HEATING CAPACITY
HPMP-01	CDU-01	DUCTED	MITSUBISHI	PEFY-P48NMHU-E2	PUMY-P48NKMU3	MECHANICAL ROOM	4	LEVEL 1	HORIZONTAL	COMM ROOM	1340	0.6"	75°F / 52%	48 MBH	34 MBH	70°F	54 MBH
HPMP-02	CDU-02	WALL MOUNTED	MITSUBISHI	PKA-A36KA7	PUZ-A36NKA7	ELEVATOR MACHINE ROOM	3	LEVEL 1	HORIZONTAL	ELEVATOR MACHINE ROOM	730	NA	80°F / 52%	36 MBH	29.5 MBH	70°F	36 MBH
HPMP-03	CDU-03	WALL MOUNTED	MITSUBISHI	PKA-A36KA7	PUZ-A36NKA7	ELEVATOR MACHINE ROOM	3	LEVEL 1	HORIZONTAL	ELEVATOR MACHINE ROOM	730	NA	80°F / 52%	36 MBH	29.5 MBH	70°F	36 MBH
HPMP-04	CDU-04	WALL MOUNTED	MITSUBISHI	PKA-A18HA7	PUZ-A18NKA7	ELEC ROOM	1.5	LEVEL 1	HORIZONTAL	ELEC ROOM	335	NA	80°F / 52%	18 MBH	12 MBH	62°F	18 MBH
HPMP-05	CDU-05	WALL MOUNTED	MITSUBISHI	PKA-A36KA7	PUZ-A36NKA7	ELEVATOR MACHINE ROOM	3	LEVEL 1	HORIZONTAL	ELEVATOR MACHINE ROOM	730	NA	75°F / 52%	36 MBH	29.5 MBH	70°F	36 MBH
HPMP-06	CDU-06	CEILING CASSETTE	MITSUBISHI	PLA-A24EAZ	PUZ-A24NHA7	SECURITY ROOM	2	LEVEL 1	HORIZONTAL	SECURITY ROOM	710	NA	75°F / 52%	24 MBH	19.7 MBH	70°F	16 MBH
HPMP-07	CDU-07	WALL MOUNTED	MITSUBISHI	PKA-A12HA7	PUZ-A12NKA7	ELEC MECH RM	1	LEVEL 1	HORIZONTAL	ELEC MECH RM	290	NA	80°F / 52%	12 MBH	7 MBH	60°F	12 MBH

SPLIT SYSTEM HEAT PUMP SCHEDULE (CONT'D)

TAG#	ELECTRICAL DATA - EVAPORATOR			ELECTRICAL DATA - CONDENSER			CONTROLS		SPECIFICATIONS		REFRIGERANT TYPE	FILTER	MAX LINE LENGTH, FT	NUMBER OF ELBOWS	PHYSICAL DATA - EVAPORATOR		PHYSICAL DATA - CONDENSER		NOTES
	V/PH	MCA	DISCONNECT	V/PH	MCA	DISCONNECT	CONTROL	LOCAL USER ADJUSTABILITY	CODE MIN COOLING EFFICIENCY	UNIT COOLING EFFICIENCY					EQUIPMENT WEIGHT (LBS)	LxWxH (in)	EQUIPMENT WEIGHT (LBS)	CONDENSER LxWxH (in)	
HPMP-01	208/1	4.16	BY E.C.	208/1	29	BY E.C.	BMS	YES	14.0 SEER	18.0 SEER	R-410A	MERV 8	20	6	155	47x36x15	155	42x16x53	2,3,4,5,6,8,9,11,12
HPMP-02	208/1	1	BY E.C.	208/1	25	BY E.C.	BMS	YES	14.0 SEER	18.8 SEER	R-410A	MERV 4	75	10	60	47x12x15	250	42x16x53	1,2,3,4,5,6,7,10,12
HPMP-03	208/1	1	BY E.C.	208/1	25	BY E.C.	BMS	YES	14.0 SEER	18.8 SEER	R-410A	MERV 4	95	10	60	47x12x15	250	42x16x53	1,2,3,4,5,6,7,10,12
HPMP-04	208/1	1	BY E.C.	208/1	19	BY E.C.	BMS	YES	14.0 SEER	18.5 SEER	R-410A	MERV 4	45	7	60	47x12x15	150	43x18x57	1,2,3,4,5,6,7,10,12
HPMP-05	208/1	1	BY E.C.	208/1	25	BY E.C.	BMS	YES	14.0 SEER	18.8 SEER	R-410A	MERV 4	55	5	60	47x12x15	250	42x16x53	1,2,3,4,5,6,7,10,12
HPMP-06	208/1	1	BY E.C.	208/1	19	BY E.C.	BMS	YES	14.0 SEER	24.2 SEER	R-410A	MERV 8	120	3	60	37x37x15	155	38x16x38	1,2,3,4,5,6,7,10,12
HPMP-07	208/1	1	BY E.C.	208/1	11	BY E.C.	BMS	YES	14.0 SEER	20.8 SEER	R-410A	MERV 4	30	7	60	47x12x15	170	43x18x57	1,2,3,4,5,6,7,10,12

NOTES:

1. PROVIDE CONDENSATE PUMP, MODEL MITSUBISHI MAXIBLUE. CONDENSATE PUMP VOLTAGE TO BE 208, WIRE TO EVAPORATOR PER MANUFACTURER'S WIRING DIAGRAM.
2. FAN COIL UNITS SHALL BE PROVIDED WITH AN INTERNAL FACTORY INSTALLED CONDENSATE OVERFLOW FLOAT SWITCH THAT WILL CUT POWER TO THE UNIT IF THE DRAIN LINE IS BLOCKED.
3. UNIT CONTROLLER SHALL BE CAPABLE OF ALL FUNCTIONS DESCRIBED IN SEQUENCE OF OPERATIONS.
4. REFRIGERANT PIPING SHALL BE SIZED BY MC BASED ON MANUFACTURER'S RECOMMENDATIONS AND WASHINGTON STATE ENERGY CODE.
5. PROVIDE LOW AMBIENT KIT THAT ALLOWS UNIT TO CONTINUE TO OPERATE IN HEATING AND COOLING MODES DOWN TO 19°F.
6. COOLING CAPACITY BASED ON 95 DEGREES F AMBIENT CONDENSER EAT. HEATING CAPACITY BASED ON 17 DEGREES F AMBIENT CONDENSER EAT.
7. PROVIDE SINGLE POINT POWER CONNECTION TO OUTDOOR UNIT. OUTDOOR UNIT SUPPLIES INDOOR UNIT.
8. SEPARATE POWER CONNECTIONS REQUIRED FOR INDOOR AND OUTDOOR UNIT.
9. PROVIDE 100% FACTORY ASSEMBLED ECONOMIZER MIXING BOX WITH CONTROLS.
10. ECONOMIZER IS NOT REQUIRED PER WSEC 403.3 EXCEPTION 1.
11. PROVIDE WITH MIXING BOX FOR ECONOMIZER OPERATION. SEE MIXING BOX SCHEDULE.
12. UNIT TO BE FACTORY LISTED AND LABELED WITH SCCR NAMEPLATE. UNIT MAXIMUM FACTORY AVAILABLE SCCR FAULT CURRENT RATING IS 5000 AIC. PER 2017 NEC UNIT NAMEPLATE SCCR TO MEET OR EXCEED AIC RATING OF PANEL SERVED. ELECTRICAL DISTRIBUTION SYSTEM TO BE DESIGNED BY ELECTRICAL ENGINEER AND INSTALLED BY EC TO HAVE A LOWER FAULT CURRENT RATING AT THE EQUIPMENT THAN THE EQUIPMENT SCCR NAMEPLATE. FINAL SCCR RATING IS PER ELECTRICAL COORDINATION STUDY.

MIXING BOX SCHEDULE

TAG#	BASIS OF DESIGN	MODEL	DESIGN DATA					CONTROL DATA	DAMPER SIZE INxIN	CONTROL DATA	NOTES
	MANUFACTURER		AREA SERVED	SIZE LxWxH (IN)	DESIGN CFM	MINIMUM OA (CFM)	WEIGHT (LBS)	DAMPER TYPE		ECONOMIZER CONTROL	
MIX-01	PROVENT	MBPEFYHU3654-10811-01	COMM ROOM	45.5 x 41.625 x 13.5	1340	500	135	RETURN AND OUTSIDE AIR	31x6.25	FIXED DRY BULB	1,2,3,4,5

NOTES:

1. SEE CONTROLS DIAGRAM FOR DAMPER/FAN OPERATION.
2. PROVIDE WITH 2" MERV 8 FILTERS.
3. PROVIDE WITH ECONOMIZER CONTROL PACKAGE
4. SEE MOTORIZED DAMPER SCHEDULE MDPR-08 AND MDPR-09 FOR ADDITIONAL INFORMATION.
5. MIXING BOX ECONOMIZER OUTDOOR AIR DAMPER TO BE SET TO VOLUNTARILY PROVIDE MINIMUM VENTILATION OF 1 CFM/SF PER IMC SECTION 503.5.2 SEE SCHEDULE MINIMUM OA.

DESIGN RECORD DRAWING UPDATES ARE BASED ON CONTRACTOR'S REDLINES. THE ITEMS AS SHOWN HAVE NOT BEEN INDEPENDENTLY VERIFIED BY RUSHING.

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	DK	LC	EV	FINAL AS-BUILT

DESIGNED BY: S. ZAKI
DRAWN BY: S. TUTHILL
CHECKED BY: L. COPPA
APPROVED BY: E. VANDER MEY

RUSHING Engineering - Essentials - Delivery
SUBMITTED BY: SARA ROBERTS

HENSEL PHELPS Plan. Build. Manage. kpff
DATE: 10/26/2022
REVIEWED BY: GREG SHIMIZU

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT
DATE: 10/26/2022

SCALE: NTS
FILENAME: S317-F1592-M_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
MECHANICAL
HVAC
SCHEDULES

DRAWING No.: F1592-MHS950
FACILITY ID: F1592
SHEET No: 504
REV: 0

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FAN SCHEDULE

TAG#	BASIS OF DESIGN		DESIGN DATA			FAN TYPE / SIZE DETAILS				FAN TYPE / SIZE DETAILS				ELECTRICAL DATA			
	MANUFACTURER	MODEL	AREA SERVED	LOCATION	EXHAUST / SUPPLY / RELIEF	DRIVE TYPE	DESIGN CFM / SELECTED CFM	MIN. CFM	DESIGN ESP	DESIGN FAN RPM	DESIGN BHP	MOTOR HP	MOTOR RPM	VOLT/PH	DISCONNECT	MANUAL STARTER (PROVIDED & INSTALLED BY EC)	MAGNETIC STARTER (PROVIDED & INSTALLED BY EC)
EFAN-01	GREENHECK	SQ-95-VG	COMM ROOM	COMM ROOM	EXHAUST	DIRECT DRIVE	700	NA	0.30	1584	0.1	1/6	1725	120/1	INTEGRAL	NO	NO
EFAN-02	GREENHECK	SQ-70-VG	JANITOR	JANITOR	EXHAUST	DIRECT DRIVE	130	NA	0.30	1507	0.03	1/15	1725	120/1	INTEGRAL	NO	NO
SFAN-01	GREENHECK	SQ-60-VG	ELEC ROOM	MECHANICAL ROOM	SUPPLY	DIRECT DRIVE	60	30	0.30	1510	0.02	1/15	1725	120/1	INTEGRAL	NO	NO
SFAN-02	GREENHECK	SQ-80-VG	FIRE SPRINKLER ROOM	MECHANICAL ROOM	SUPPLY	DIRECT DRIVE	180	NA	0.40	1413	0.04	1/10	1725	120/1	INTEGRAL	NO	NO
SFAN-03	GREENHECK	SQ-90-VG	ELECT./ COMM CLOSET	ELECT./ COMM CLOSET	SUPPLY	DIRECT DRIVE	360	100	0.40	1525	0.06	1/10	1725	120/1	INTEGRAL	NO	NO
SFAN-04	GREENHECK	SQ-90-VG	ELECT./ COMM CLOSET	ELECT./ COMM CLOSET	SUPPLY	DIRECT DRIVE	360	100	0.40	1525	0.06	1/10	1725	120/1	INTEGRAL	NO	NO
SFAN-05	GREENHECK	SQ-60-VG	ELEC MECH RM	ELEC MECH RM	SUPPLY	DIRECT DRIVE	60	60	0.30	1520	0.02	1/15	1725	120/1	INTEGRAL	NO	NO
SFAN-06	GREENHECK	SQ-90-VG	ELECT./ COMM CLOSET	ELECT./ COMM CLOSET	SUPPLY	DIRECT DRIVE	360	100	0.40	1525	0.06	1/10	1725	120/1	INTEGRAL	NO	NO

FAN SCHEDULE (CONT'D)

TAG#	CONTROL DATA					SPECIFICATION DATA	PHYSICAL DATA		NOTES
	TYPE OF CONTROL (BMS, TIMECLOCK)	MOTORIZED DAMPER CONTROL (NOTE 1)	WALL SWITCH & WIRING	LINE VOLTAGE T-STAT (MC PROVIDE, EC INSTALL)	FAN SPEED CONTROLLER (MC PROVIDE INSTALL ON FAN)	VERTICAL OR HORIZONTAL DISCHARGE ORIENTATION	WEIGHT (LBS)	LxWxH (IN)	
EFAN-01	BMS	YES	NO	NO	CONTROLLER WITH DIAL	HORIZONTAL	70	25x15x15	1,2,4
EFAN-02	BMS	YES	NO	NO	0-10 VDC CONTROLLER	HORIZONTAL	35	23x12x12	1,2,4
SFAN-01	BMS	YES	NO	NO	CONTROLLER WITH DIAL	HORIZONTAL	50	23x12x12	1,2,3,4,5
SFAN-02	BMS	YES	NO	NO	CONTROLLER WITH DIAL	HORIZONTAL	100	46x15x15	1,2,3,4
SFAN-03	BMS	YES	NO	NO	0-10 VDC CONTROLLER	HORIZONTAL	100	46x15x15	1,2,3,4,5
SFAN-04	BMS	YES	NO	NO	0-10 VDC CONTROLLER	HORIZONTAL	100	46x15x15	1,2,3,4,5
SFAN-05	BMS	YES	NO	NO	0-10 VDC CONTROLLER	HORIZONTAL	50	23x12x12	1,2,3,4,5
SFAN-06	BMS	YES	NO	NO	0-10 VDC CONTROLLER	HORIZONTAL	50	46x15x15	1,2,3,4,5

NOTES:

1. FAN OPERATION TO BE INTERLOCKED WITH DAMPER. IF FAN SWITCHED ON, DAMPERS TO OPEN.
2. PROVIDE SPEED CONTROLLER ON FAN HOUSING (FOR INITIAL BALANCING).
3. PROVIDE FACTORY FILTER BOX W/MERV 8 FILTERS.
4. SEE CONTROLS DRAWINGS FOR CONTROL POINTS
5. PROVIDE SPEED CONTROLLER CONFIGUREED FOR EXTERNAL INPUT

ERU SCHEDULE

TAG#	MANUFACTURER	MODEL	AREA SERVED	CFM OA/SA	CFM EA/RA	E.S.P. IN. W.G.	MOTOR (WATTS)	VOLTAGE /PHASE	FLA	EMERGENCY POWER	STANDBY POWER	FILTER TYPE x QUANTITY	LxWxH (in)	WEIGHT (LBS)	NOTES
ERU-01	RENEWAIRE	SL70L	SECURITY ROOM	75	45	0.5	100 W	120/1	2	NO	NO	MERV 13 X 1	27-1/4x20-3/8x9-1/2	40	1,2

NOTES:

1. PROVIDE OPTIONAL DOUBLE WALL CONSTRUCTION, AND EC MOTOR.
2. PROVIDE UNIT WITH 50% MINIMUM EFFECTIVENESS IN HEATING PER WSEC.

DESIGN RECORD DRAWING UPDATES ARE BASED ON CONTRACTOR'S REDLINES. THE ITEMS AS SHOWN HAVE NOT BEEN INDEPENDENTLY VERIFIED BY RUSHING.

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	DK	LC	EV	FINAL AS-BUILT

DESIGNED BY: S. ZAKI
DRAWN BY: S. TUTHILL
CHECKED BY: L. COPPA
APPROVED BY: E. VANDER MEY

RUSHING Engineering - Essentials - Delivery
SUBMITTED BY: SARA ROBERTS

HENSEL PHELPS Plan. Build. Manage. kpff
DATE: 10/26/2022

REVIEWED BY: GREG SHIMIZU
DATE: 10/26/2022

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT
SUBMITTAL DATE: 10/26/2022

SCALE: NTS
FILENAME: S317-F1592-M_v2020
CONTRACT No.: RTA/CN 0612-18

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
MECHANICAL
HVAC
SCHEDULES

DRAWING No.: F1592-MHS951
FACILITY ID: F1592
SHEET No: 505
REV: 0

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MOTORIZED DAMPER SCHEDULE

TAG#	MANUFACTURER	MODEL	EQUIPMENT SERVED	MAX VELOCITY (FPM)	BLADE CONFIGURATION	DUCT DIMENSIONS SHAPE	WIDTH x HEIGHT / DIAMETER (INxIN)	DAMPER AIR PRESSURE DROP IN-W.G.	MOUNTING	ACTUATOR QUANTITY	FAIL POSITION	CONTROL BY	END SWITCH	VOLTAGE	NOTE
MDPR-01	GREENHECK	VCDR-53	SFAN-01	1000	SINGLE BLADE	ROUND	6" ROUND	0.10	HORIZONTAL	1	CLOSE	BMS	YES	24	1,2,3,4,5
MDPR-02	GREENHECK	VCDR-53	SFAN-02	1000	SINGLE BLADE	ROUND	10" ROUND	0.10	VERTICAL	1	CLOSE	BMS	YES	24	1,2,3,4,5
MDPR-03	GREENHECK	VCD-23	SFAN-03	1000	OPPOSED BLADES	RECTANGULAR	12x12	0.10	VERTICAL	1	OPEN	BMS	YES	24	1,2,3,4,5
MDPR-04	GREENHECK	VCD-23	SFAN-04	1000	OPPOSED BLADES	RECTANGULAR	12x12	0.10	VERTICAL	1	OPEN	BMS	YES	24	1,2,3,4,5
MDPR-05	GREENHECK	VCD-23	SFAN-05	1000	OPPOSED BLADES	RECTANGULAR	12x12	0.10	VERTICAL	1	OPEN	BMS	YES	24	1,2,3,4,5
MDPR-06	GREENHECK	VCD-23	COMM RM RELIEF	1000	OPPOSED BLADES	RECTANGULAR	34x24	0.10	VERTICAL	1	OPEN	BMS	YES	24	1,2,3,4,5
MDPR-07	GREENHECK	VCD-23	EFAN-01	1000	OPPOSED BLADES	RECTANGULAR	12x12	0.10	VERTICAL	1	OPEN	BMS	YES	24	1,2,3,4,5
MDPR-08	RUSKIN	CD-60	HPMP-01 (OA)	1000	OPPOSED BLADES	RECTANGULAR	38x6	0.10	VERTICAL	1	OPEN	MIX-01	NO	24	1,3,4,6
MDPR-09	RUSKIN	CD-60	HPMP-01 (RA)	1000	OPPOSED BLADES	RECTANGULAR	38x6	0.10	VERTICAL	1	CLOSE	MIX-01	NO	24	1,3,4,6
MDPR-10	GREENHECK	VCD-23	EFAN-02	1000	OPPOSED BLADES	RECTANGULAR	10x10	0.10	VERTICAL	1	CLOSE	BMS	YES	24	1,2,3,4,5
MDPR-11	GREENHECK	VCDR-53	ERU-01	1000	SINGLE BLADE	ROUND	8" ROUND	0.10	VERTICAL	1	OPEN	BMS	YES	24	1,2,3,4,5
MDPR-12	GREENHECK	VCD-23	SFAN-06	1000	OPPOSED BLADES	RECTANGULAR	12x12	0.10	VERTICAL	1	CLOSE	BMS	YES	24	1,2,3,4,5

NOTES:

1. SEE CONTROLS DRAWINGS FOR CONTROL POINTS
2. MOTORIZED DAMPER IS CONTROLLED BY DDC TO BE OPENED WHENEVER ASSOCIATED EQUIPMENT IS ENABLED AND OPERATING. SEE CONTROLS DRAWINGS.
3. 120/1 POWER TO BE PROVIDED BY E.C. TO POWER THE CONTROL SYSTEM 24V TRANSFORMER.
4. M.C. TO DETERMINE LEFT HAND OR RIGHT HAND CONFIGURATION FOR DAMPERS BASED ON EASE OF INSTALLATION AND EASE OF MAINTENANCE.
5. APPROXIMATE DAMPER SIZE SHOWN. MC TO VERIFY ACTUAL SIZE PRIOR TO ORDERING DAMPER.
6. MOTORIZED DAMPERS INCLUDED WITH MIXING BOX MIX-01; SCHEDULED FOR REFERENCE ONLY.

DESIGN RECORD DRAWING UPDATES ARE BASED ON CONTRACTOR'S REDLINES. THE ITEMS AS SHOWN HAVE NOT BEEN INDEPENDENTLY VERIFIED BY RUSHING.

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FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	DK	LC	EV	FINAL AS-BUILT

DESIGNED BY: S. ZAKI
DRAWN BY: S. TUTHILL
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RUSHING Engineering - Essentials - Delivery
HENSEL PHELPS Plan. Build. Manage.
kpff
SOUNDTRANSIT

SUBMITTED BY: SARA ROBERTS
DATE: 10/26/2022
REVIEWED BY: GREG SHIMIZU
DATE: 10/26/2022

LINE IS 1" AT FULL SCALE

SCALE: NTS
FILENAME: S317-F1592-M_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
MECHANICAL
HVAC
SCHEDULES

DRAWING No.: F1592-MHS952
FACILITY ID: F1592
SHEET No: 506
REV: 0

ELECTRIC HEATER SCHEDULE

TAG#	BASIS OF DESIGN	DESIGN DATA			UNIT PROVIDED BY	ELECTRICAL DATA					CONTROL DATA				PHYSICAL DIMENSIONS			
	MANUFACTURER	MODEL	AREA SERVED	FUNCTION (FREEZE PROTECTION, TEMP.)		INSTALLED AND WIRED BY	ELECTRIC COIL KW	VOLTAGE/ PHASE	EMERGENCY POWER	STANDBY POWER	STEPS OF CONTROL	UNIT MOUNTED T-STAT	REMOTE MOUNTED T-STAT	DISCONNECT	LENGTH x WIDTH x HEIGHT (INCHES)	SURFACE MOUNT	RECESS MOUNT	WEIGHT (LBS)
HTR-01	MARKEL	F4315	FIRE SPRINKLER ROOM	FREEZE PROTECTION	BY M.C.	BY E.C.	1.5	120/1	NO	NO	1	NO	YES	BY. E.C.	14.5x7x3.5	YES	NO	30
HTR-02	MARKEL	F4375	STORAGE ROOM	FREEZE PROTECTION	BY M.C.	BY E.C.	0.75	120/1	NO	NO	1	NO	YES	BY E.C.	14.5x7x3.5	YES	NO	30
HTR-03	MARKEL	F4375	MECH ROOM	FREEZE PROTECTION	BY M.C.	BY E.C.	0.75	120/1	NO	NO	1	NO	YES	BY E.C.	14.5x7x3.5	YES	NO	30
HTR-04	MARKEL	F4375	ELECT./ COMM CLOSET	FREEZE PROTECTION	BY M.C.	BY E.C.	0.75	120/1	NO	NO	1	NO	YES	BY E.C.	14.5x7x3.5	YES	NO	30
HTR-05	MARKEL	F4375	ELECT./ COMM CLOSET	FREEZE PROTECTION	BY M.C.	BY E.C.	0.75	120/1	NO	NO	1	NO	YES	BY E.C.	14.5x7x3.5	YES	NO	30
HTR-06	MARKEL	F4375	ELECT./ COMM CLOSET	FREEZE PROTECTION	BY M.C.	BY E.C.	0.75	120/1	NO	NO	1	NO	YES	BY E.C.	14.5x7x3.5	YES	NO	30
HTR-07	MARKEL	F4315	JANITOR	FREEZE PROTECTION	BY M.C.	BY E.C.	1.5	120/1	NO	NO	1	NO	YES	BY. E.C.	14.5x7x3.5	YES	NO	30

FILTER BOX SCHEDULE

TAG #	MANUFACTURER	MODEL	LOCATION	AIRFLOW, CFM	DESIGN S.P.	FILTER TYPE x QUANTITY	FILTER SIZE	WEIGHT LBS
FBOX-02	FAMCO	FR1420	SECURITY ROOM	75	0.1	MERV 7 x (1)	20x14x7	50

LOUVER COORDINATION SCHEDULE

TAG	LOCATION	SERVES	MATERIAL	MODEL	TYPE	STATIC PRESSURE DROP IN WG	MINIMUM REQUIRED FREE AREA, S.F.	MINIMUM FACE AREA PERCENTAGE ASSUMED	WIDTHxHEIGHT (INxIN)	AIRFLOW CFM	PROVIDED BY	INSTALLED BY	LOUVER BLANKED OFF AND INSULATED BY	NOTES
LVR-01	COMM ROOM VIA VOID SPACE	OUTSIDE AIR	ALUMINUM	RUSKIN ELF735DX	DRAINABLE BLADE	0.05	3.53	50%	42x24	1470	BY M.C.	BY M.C.	BY M.C.	ALL
LVR-02	ELEC ROOM	RELIEF AIR	ALUMINUM	RUSKIN ELF735DX	DRAINABLE BLADE	0.1	0.3	30%	12x12	60	BY M.C.	BY M.C.	BY M.C.	ALL
LVR-03	FIRE SP ROOM	RELIEF AIR	ALUMINUM	RUSKIN ELF735DX	DRAINABLE BLADE	0.1	0.35	35%	14x14	180	BY M.C.	BY M.C.	BY M.C.	ALL
LVR-04	COMM ROOM	EXHAUST/RELIEF	ALUMINUM	RUSKIN ELF735DX	DRAINABLE BLADE	0.05	4.0	50%	48x24	1100	BY M.C.	BY M.C.	BY M.C.	ALL
LVR-05	JANITOR ROOM	RELIEF	ALUMINUM	RUSKIN ELF735DX	DRAINABLE BLADE	0.1	.3	30%	12x12	45	BY M.C.	BY M.C.	BY M.C.	ALL
LVR-06	NOT USED	-		-	-	-	-	NA	-	-	-	-	'-	NOT USED
LVR-07	ELEVATOR SHAFT 1&2	LOW AIR OPENING	ALUMINUM	RUSKIN ELF735DX	DRAINABLE BLADE	0.1	4.5	50%	66x18	NA	BY G.C.	BY M.C.	BY M.C.	ALL
LVR-08	ELEVATOR SHAFT 3	LOW AIR OPENING	ALUMINUM	RUSKIN ELF735DX	DRAINABLE BLADE	0.05	2.0	50%	42x24	NA	BY G.C.	BY M.C.	BY M.C.	ALL
LVR-09	ELECT./ COMM CLOSET 2ND FLOOR	OUTSIDE AIR	ALUMINUM	RUSKIN ELF735DX	DRAINABLE BLADE	0.1	0.5	30%	16x16	360	BY M.C.	BY M.C.	BY M.C.	ALL
LVR-10	ELECT./ COMM CLOSET 3RD FLOOR	OUTSIDE AIR	ALUMINUM	RUSKIN ELF735DX	DRAINABLE BLADE	0.1	0.5	30%	16x16	360	BY M.C.	BY M.C.	BY M.C.	ALL
LVR-11	ELEVATOR SHAFT 3	HIGH AIR OPENING	ALUMINUM	RUSKIN ELF735DX	DRAINABLE BLADE	0.05	3.7	50%	48x24	NA	BY G.C.	BY M.C.	BY M.C.	ALL
LVR-12	ELEC/MECH ROOM	OUTSIDE AIR	ALUMINUM	RUSKIN ELF735DX	DRAINABLE BLADE	0.1	0.3	30%	12x12	60	BY G.C.	BY M.C.	BY M.C.	ALL
LVR-13	ELEC/MECH ROOM	RELIEF AIR	ALUMINUM	RUSKIN ELF735DX	DRAINABLE BLADE	0.1	0.3	30%	12x12	60	BY G.C.	BY M.C.	BY M.C.	ALL
LVR-14	ELEVATOR SHAFT 1&2	HIGH AIR OPENING	ALUMINUM	RUSKIN ELF735DX	DRAINABLE BLADE	0.1	3.7	50%	48x24	NA	BY G.C.	BY M.C.	BY M.C.	ALL
LVR-15	ELECT./ COMM CLOSET 4TH FLOOR	EXHAUST/RELIEF	ALUMINUM	RUSKIN ELF735DX	DRAINABLE BLADE	0.05	2.0	50%	42x24	360	BY M.C.	BY M.C.	BY M.C.	ALL
LVR-16	SECURITY CLOSET	OUTSIDE AIR	ALUMINUM	RUSKIN ELF735DX	DRAINABLE BLADE	0.05	0.2	25%	16x8	35	BY G.C.	BY M.C.	BY M.C.	ALL

NOTES:

1. SEE ARCHITECTURAL DRAWING SHEETS F1592-AEE301 AND AEE302 FOR LOCATION AND LOUVER GROSS FACE AREA WIDTH AND HEIGHT DIMENSIONS.
2. SEE ARCHITECTURAL SPECIFICATION SECTION 08-91-19 FIXED LOUVERS AND DETAIL SHEET F1592-ADD105 FOR ADDITIONAL INSTALLATION REQUIREMENTS.
3. ANY UNUSED LOUVER AREA OR ANY ARCHITECTURAL LOUVER SHALL BE BLANKED OFF AND INSULATED BY OTHERS.
4. VERIFY ALL LOUVER MODEL NUMBERS, DIMENSIONS, AND LOUVER DEPTHS PER ARCHITECTURAL LOUVER MOUNTING DETAILS PRIOR TO ORDERING LOUVERS. MC TO APPROVE GC LOUVER SUBMITTAL PRIOR TO ORDERING LOUVERS.

DESIGN RECORD DRAWING UPDATES ARE BASED ON CONTRACTOR'S REDLINES. THE ITEMS AS SHOWN HAVE NOT BEEN INDEPENDENTLY VERIFIED BY RUSHING.

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	DK	LC	EV	FINAL AS-BUILT

DESIGNED BY: S. ZAKI
DRAWN BY: S. TUTHILL
CHECKED BY: L. COPPA
APPROVED BY: E. VANDER MEY

RUSHING Engineering - Essentials - Delivery
HENSEL PHELPS Plan. Build. Manage.
kpff
SOUNDTRANSIT

SUBMITTED BY: SARA ROBERTS
DATE: 10/26/2022
REVIEWED BY: GREG SHIMIZU
DATE: 10/26/2022

LINE IS 1" AT FULL SCALE

SCALE: NTS
FILENAME: S317-F1592-M_v2020
CONTRACT No.: RTA/CN 0612-18
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PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
MECHANICAL
HVAC
SCHEDULES

DRAWING No.: F1592-MHS953
FACILITY ID: F1592
SHEET No.: 507
REV.: 0

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GRILLE, REGISTER AND DIFFUSER SCHEDULE

SYMBOL	TAG	DESCRIPTION	BASIS OF DESIGN	SUPPLY / RETURN / EXHAUST/ TRANSFER	TYPE	FINISH	MATERIAL	REMARKS	NOTES
⊠	X"xX" CD CFM	CEILING DIFFUSER	PRICE PDMC BORDER TYPE 3P	SUPPLY	LAY-IN CEILING	WHITE	STEEL	USE SHEETMETAL CAN W/ PERF DIVIDER	NOTES 1-7
⊠	X"xX" CD/P CFM	CEILING DIFFUSER PLASTER MOUNTING	PRICE SMCD BORDER TYPE 6	SUPPLY	GWB CEILING	WHITE	STEEL	USE SHEETMETAL CAN W/ PERF DIVIDER	NOTES 1-7
→|	X"xX" SSG CFM	SIDEWALL SUPPLY GRILLE	PRICE 22RL BORDER TYPE F	SUPPLY	WALL OR DUCT	WHITE	STEEL	- DOUBLE DEFLECTION, STEEL - 3/4" BLADE SPACING - LONG BLADES IN FRONT	NOTES 1,2,7,8
|←	SRG SEG STG	SIDEWALL RETURN/ RELIEF/EXHAUST/ TRANSFER GRILLE	PRICE 520/S BORDER TYPE F	RETURN	WALL OR DUCT	WHITE	STEEL	- 35° FIXED DEFLECTION BLADE - 3/4" BLADE SPACING	NOTES 1,2,7,8
⊠	RAG/P EG/P TG/P	RAG, EG, TG FIXED BLADE PLASTER FRAME	PRICE 630L BORDER TYPE 3P	RETURN EXHAUST TRANSFER	GWB CEILING	WHITE	STEEL	- 35° FIXED DEFLECTION BLADE - 3/4" BLADE SPACING	NOTES 1-5, 7
⊠	RAG/AL/P EG/AL/P TG/AL/P	RAG, EG, TG ALUMINUM FIXED BLADE PLASTER FRAME	PRICE 630L	RETURN EXHAUST TRANSFER	GWB CEILING	WHITE	ALUMINUM	- 35° FIXED DEFLECTION BLADE - 3/4" BLADE SPACING	NOTES 1-5, 7
→|	X"xX" SGG CFM	HEAVY GRADE HEAVY DUTY BAR GRILLE	SHOEMAKER 1625	INTAKE	WALL OR DUCT	WHITE	STEEL	- 30° FIXED DEFLECTION BLADE - 1/2" BLADE SPACING - GYM GRADE WELDED CORE	NOTES 1,2,7,8

NOTES:

1. SEISMIC BRACING OF DIFFUSER AND DIFFUSER CAN IS BY MC PER IBC AND ASCE REQUIREMENTS.
2. SEE DETAILS FOR STANDARD DIFFUSER CONFIGURATION.
3. CONTRACTOR'S RESPONSIBILITY TO VERIFY T-BAR STYLE AND LAYOUT.
4. DIFFUSER CAN SHALL NOT BE DUCT BOARD CONSTRUCTION.
5. RUN OUT SIZE SHALL EQUAL NECK SIZE UNLESS OTHERWISE INDICATED ON PLAN VIEW DRAWINGS.
6. CONTRACTOR IS RESPONSIBLE FOR ADJUSTING ALL DIFFUSER THROWS.
7. FOR EXPOSED DUCTWORK WITH SUPPLY/EXHAUST GRILLES, DUCT TAKEOFFS TO BE GRILLE SIZE PLUS 2" MINIMUM TO MATCH GRILLE FRAME.
8. CONFIRM COLOR WITH ARCHITECT.

ISOLATION & TIEDOWN SCHEDULE - EQUIPMENT, PIPING, & DUCTWORK

TAG#	EQUIPMENT TYPE	GENERIC EQUIPMENT TYPE DESCRIPTION	MOUNTING LOCATION	EXTERNAL ISOLATION TYPE	EXTERNAL ISOLATION BY	INTERNAL ISOLATION TYPE (REMARK 6)	INTERNAL ISOLATION BY	DUCT FLEX CONNECTION (BY MC)	PIPING FLEX CONNECTION (BY MC)	SEISMIC TIEDOWN CALCULATIONS BY (REMARKS 1,2,3,4)	REMARKS
SPLIT SYSTEM CONDENSING UNITS AND FAN COILS											
CDU-X-X	CONDENSING UNIT	HEAT PUMP CONDENSING UNIT - FLOOR OR WALL	FLOOR OR WALL	DOUBLE DEFLECTION NEOPRENE MOUNTS WITH 0.30" STATIC DEFLECTION	BY MC	NA	NA	YES	YES	BY MC	1,2,3,4,5
HPMP-X-X	HEAT PUMP UNIT	SPLIT SYSTEM HEAT PUMP FAN COILS - HUNG FROM WALL	SEE PLANS	NONE - HUNG FROM WALL	BY MC	FANS-NEOPRENE	MANUF	NA	YES	BY MC	1,2,3,4,5
ENERGY RECOVERY UNITS											
ERU-X-X	ENERGY RECOVERY UNIT	ENERGY RECOVERY UNIT - CEILING OR WALL HUNG	SEE PLANS	DOUBLE DEFLECTION NEOPRENE MOUNTS WITH 0.30" STATIC DEFLECTION	BY MC	NA	MANUF	YES	NA	BY MC	1,2,3,4,5
FANS											
SFAN, EFAN-X	SUPPLY FAN - HUNG	MOTOR = 0.33 HP OR SMALLER,CEILING FANS NOT...	SEE PLANS	1" DEF. SPRING HANGER	BY MC	NA	NA	YES	NA	BY MC	1,2,3,4,5
SFAN, EFAN-X	FAN - HUNG	MOTOR = 0.5 HP OR LARGER	SEE PLANS	2" DEF. SPRING HANGER	BY MC	NA	NA	YES	NA	BY MC	1,2,3,4,5
ENERGY RECOVERY UNIT											
ERU-X	ERU - WALL MOUNTED	ENERGY RECOVERY UNIT	SEE PLANS	NONE - HUNG FROM WALL	BY MC	NA	NA	YES	NA	BY MC	1,2,3,4,5
DUCTWORK AND PIPING											
DUCTWORK	DUCTWORK - HUNG	ALL SIZES	HUNG	NA	NA	NA	NA	NA	NA	BY MC	1,2,3,4,5

NOTES:

1. SEE INDIVIDUAL EQUIPMENT SCHEDULES FOR UNIT SIZE AND WEIGHT. SEE MECHANICAL PLAN VIEW DRAWINGS FOR EQUIPMENT LOCATIONS.
2. MC (OR EC) TO PROVIDE WASHINGTON STATE STAMPED SEISMIC TIEDOWN CALCULATIONS PER 2015 INTERNATIONAL BUILDING AND MECHANICAL CODES WITH WA STATE AMENDMENTS AS A DEFERRED SUBMITTAL. REFER TO THE STRUCTURAL DRAWINGS SHEET F1592-SZN001 FOR SEISMIC DESIGN CATEGORY, SITE CLASS, AND OCCUPANCY CATEGORY. ALL EQUIPMENT TO BE ATTACHED PER ASCE 7 AS REFERENCED BY WSBC.
3. EQUIPMENT TO HAVE A IMPORTANCE (Ip) FACTOR OF 1.0.
4. MC TO VERIFY WITH FIELD DETAILER AND/OR INSTALLER INSTALLATION DETAIL (TO VERIFY UNIT ATTACHMENT TYPE TO STRUCTURE) PRIOR TO ISOLATION VENDOR PERFORMING SEISMIC TIEDOWN CALCULATIONS AND PRIOR TO SEISMIC TIEDOWN PACKAGE BEING SUBMITTED FOR TEAM REVIEW. ALL TIEDOWN LOCATIONS SHALL BE SUBMITTED TO THE PROJECT ENGINEER FOR REVIEW OF LOADS IMPOSED ON STRUCTURE BY TIEDOWNS. TIEDOWN DESIGN IS PER MECHANICAL CONTRACTOR'S STRUCTURAL ENGINEER AND PER PROJECT'S SEISMIC PARAMETERS. MC SHALL CONTRACT WITH STRUCTURAL ENGINEER FOR THIS SUPPORT WORK.
5. SEE SPECIFICATIONS FOR BASIS OF DESIGN FOR ISOLATOR PRODUCTS (MC MAY PROPOSE ON ALTERNATE MANUFACTURERS FOR TEAM REVIEW). ALL SPRINGS TO BE SEISMICALLY RESTRAINED.

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DRAWN BY: S. TUTHILL
CHECKED BY: L. COPPA
APPROVED BY: E. VANDER MEY

RUSHING Engineering - Essentials - Delivery
SUBMITTED BY: SARA ROBERTS

HENSEL PHELPS Plan. Build. Manage.
kpff
DATE: 10/26/2022
REVIEWED BY: GREG SHIMIZU

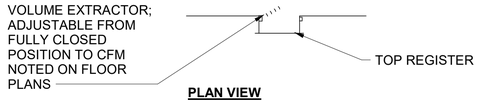
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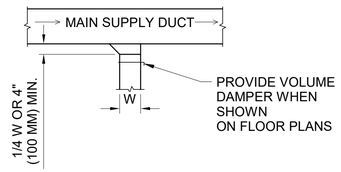
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CONTRACT No.: RTA/CN 0612-18
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PUYALLUP STATION PARKING
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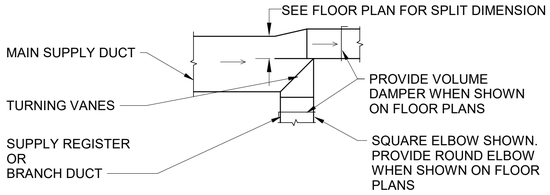
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FACILITY ID: F1592
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PLAN VIEW
SUPPLY REGISTER TAKE-OFF



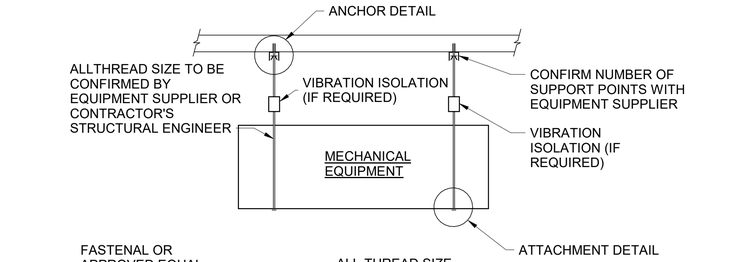
PLAN VIEW
BRANCH DUCT TAKE-OFF

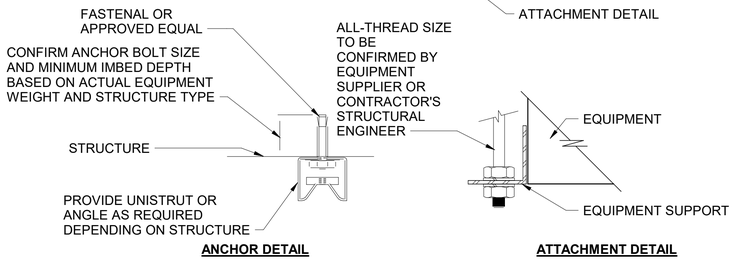


PLAN VIEW AIR SPLIT DUCT TAKE-OFF

SUPPLY DUCTWORK TAKE-OFFS 1

SCALE: NTS





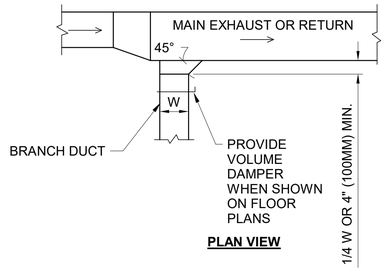
ANCHOR DETAIL **ATTACHMENT DETAIL**

NOTES:

1. PROVIDE SEISMIC BRACING PER ASCE 7. REFER TO ISOLATION & TIEDOWN MATRIX FOR ADDITIONAL REQUIREMENTS.
2. STRUCTURAL SUPPORT OF MECHANICAL EQUIPMENT SHALL BE CONFIRMED BY RESIDENT STRUCTURAL ENGINEER.

EQUIPMENT HANGING 2

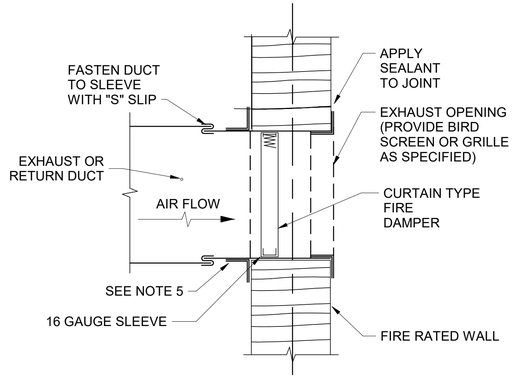
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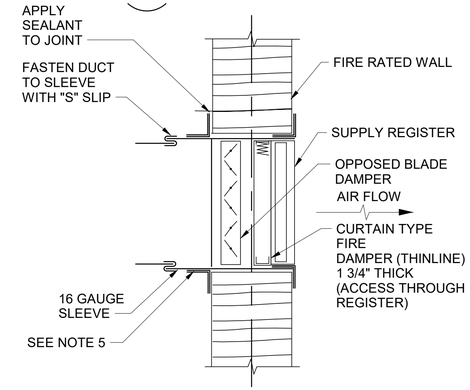
PLAN VIEW

EXHAUST OR RETURN BRANCH DUCTWORK 3

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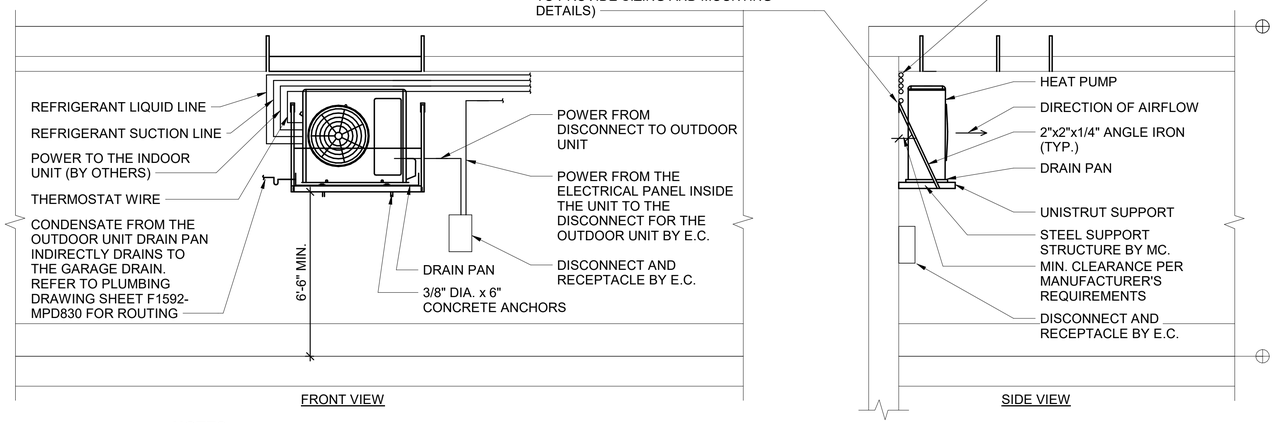
STYLE "A"



STYLE "A"

NOTES:

1. COMPLY WITH UL555 AND MANUFACTURER'S INSTALLATION INSTRUCTIONS
2. ROUGH DIMENSION FOR COORDINATION ONLY. SEE LATEST INSTALLATION MANUAL.
3. LOCATE VOLUME DAMPERS AWAY FROM FIRE DAMPERS SO THAT A DUCT ACCESS DOOR CAN BE PROVIDED IN THE PROPER LOCATION TO INSURE ACCESS TO THE FIRE DAMPER.
4. PROVIDE ACCESS DOOR OF ADEQUATE SIZE FOR EACH FIRE DAMPER.
5. RETAINING ANGLE FRAME SHALL BE 2"x2"x1/8" ABD SHALL BE SECURED TO 16 GAUGE SLEEVE WITH 1/2" WELDS AT 6" ON CENTER. ANGLES SHALL NOT BE SECURED TO WALL.
6. DUCT PENETRATIONS THROUGH WALLS SHALL BE EQUIPPED WITH FIRE DAMPERS OF APPROPRIATE RATING. REFER TO ARCHITECTURAL DRAWINGS ON SHEET F1592-AZN005 FOR THE REQUIREMENT OF FIRE RATING.
7. OPENINGS IN FLOORS AND INTERIOR WALLS HAVE BEEN SIZED FOR TYPE "A" FIRE DAMPERS. WHERE SUFFICIENT SPACE IS NOT AVAILABLE FOR TYPE "A" DAMPER. THE CONTRACTOR MAY USE TYPE "C" OR TYPE "B" DAMPER WITH APPROVAL OF ENGINEER.
8. THE DETAILS SHOWN ON THE SHEET ARE A CONCEPTUAL PRESENTATION ONLY. ALL EQUIPMENT AND DUCT ATTACHMENTS SHALL BE SUBJECT TO THE REVIEW AND APPROVAL OF THE RESIDENT ENGINEER. ATTACHMENTS SHALL BE DESIGNED TO SUPPORT ALL GRAVITY LOADS, DYNAMIC AND WIND PRESSURE LOADS CAUSED BY THE OPERATION OF THE EQUIPMENT. ATTACHMENTS SHALL MEET ALL REQUIREMENTS OF THE APPLICABLE LOCAL CODES.



NOTES:

1. CONTRACTOR-DESIGNED SUPPORTS SHALL BE REVIEWED BY THE PROJECT STRUCTURAL ENGINEER FOR THE LOADS IMPOSED ON THE STRUCTURE. COORDINATE SEISMIC PARAMETERS WITH PROJECT STRUCTURAL ENGINEER.

WALL-HUNG CONDENSING UNIT 4

SCALE: NTS

FIRE DAMPER DETAIL 5

SCALE: NTS

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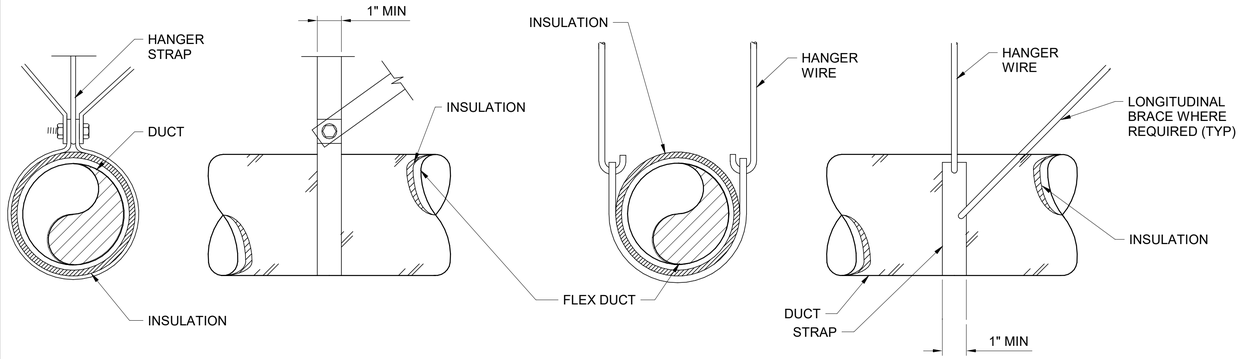
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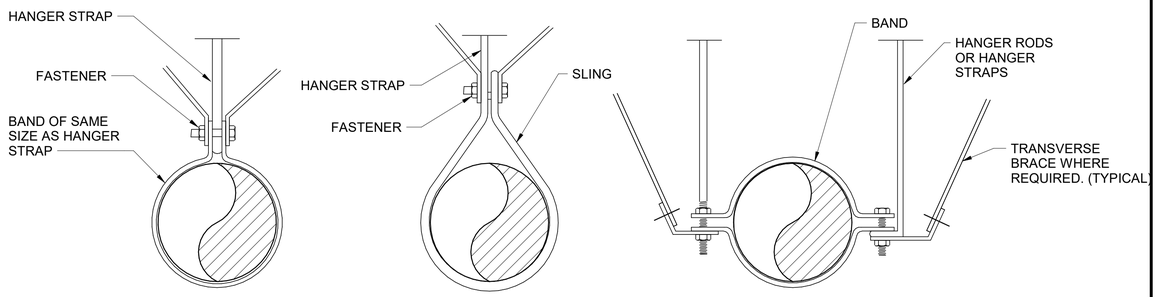
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FACILITY ID: F1592
SHEET No.: 509
REV.: 0



FLEXIBLE DUCT HANGERS

1

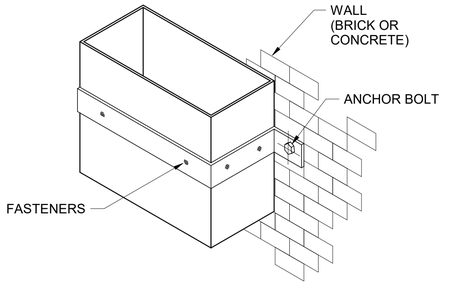
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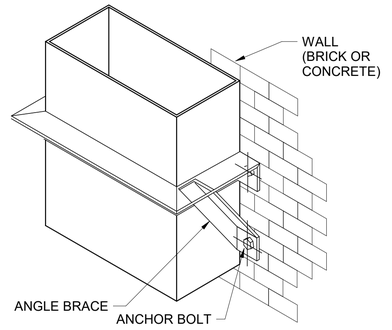


HANGER ATTACHMENTS FOR ROUND DUCTS

2

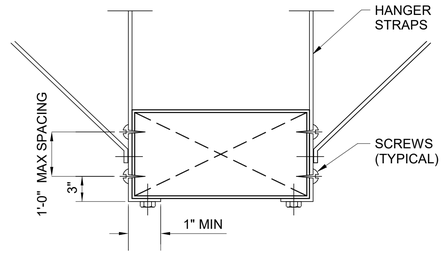
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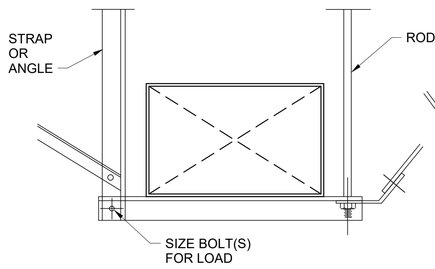


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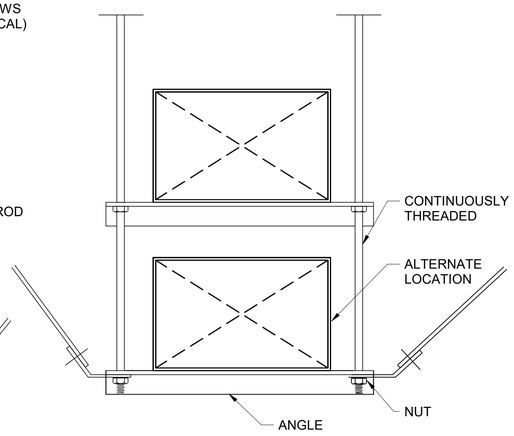
1. ANGLE AND FASTENER SIZES FOR DUCT SUPPORTS AND HANGERS SHALL BE IN ACCORDANCE WITH SHEET METAL AND AIR-CONDITIONING CONTRACTOR'S NATIONAL ASSOCIATION DUCT CONSTRUCTION AND SEISMIC STANDARDS OR APPROVED EQUAL.
2. THE DETAILS SHOWN ON THIS SHEET ARE A CONCEPTUAL PRESENTATION ONLY. ALL EQUIPMENT AND DUCT ATTACHMENTS SHALL BE SUBJECT TO REVIEW AND APPROVAL RESIDENT ENGINEER. ATTACHMENTS BY MC (PER SEISMIC TIEDOWN MATRIX) SHALL BE DESIGNED TO SUPPORT ALL GRAVITY LOADS, DYNAMIC AND WIND PRESSURE LOADS CAUSED BY THE DYNAMIC AND WIND PRESSURE LOADS CAUSED BY THE OPERATION OF THE EQUIPMENT AND SEISMIC LOADING. ATTACHMENTS SHALL MEET ALL REQUIREMENTS OF ALL APPLICABLE LOCAL CODES.



STRAP HANGERS



TRAPEZE HANGERS



STACKED DUCTS HANGERS

HANGER ATTACHMENTS FROM RECTANGULAR DUCTS

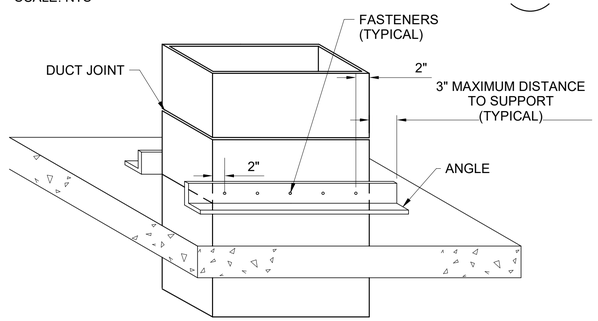
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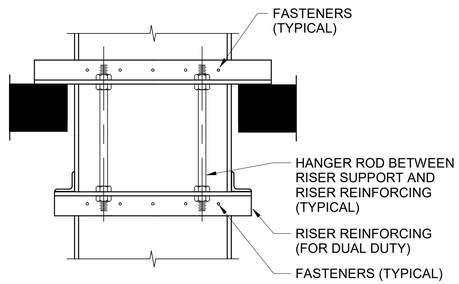
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RISER SUPPORTS FROM WALL

4

SCALE: NTS





RISER SUPPORTS FROM FLOOR

5

SCALE: NTS

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CHECKED BY: L. COPPA
APPROVED BY: E. VANDER MEY

RUSHING Engineering - Essentials - Delivery
SUBMITTED BY: SARA ROBERTS

HENSEL PHELPS Plan. Build. Manage.
kpff
DATE: 10/26/2022
REVIEWED BY: GREG SHIMIZU

LINE IS 1" AT FULL SCALE

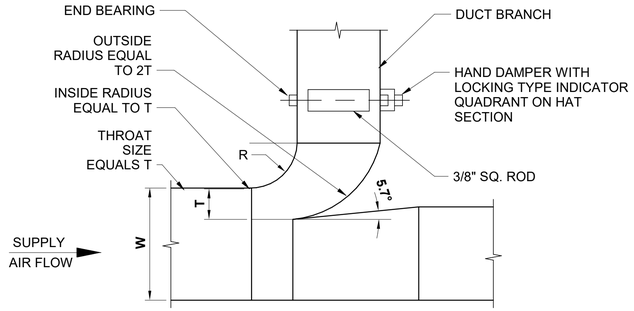
SOUNDTRANSIT
DATE: 10/26/2022

SCALE: NTS
FILENAME: S317-F1592-M_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
MECHANICAL
HVAC
DETAILS

DRAWING No.: F1592-MHD901
FACILITY ID: F1592
SHEET No.: 510
REV.: 0

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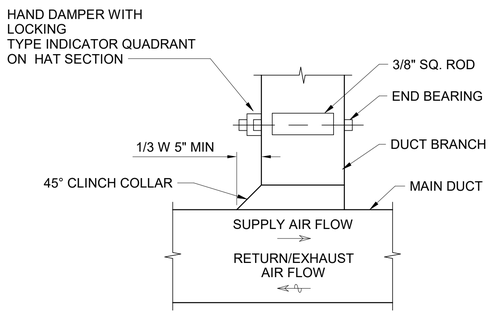


NOTES:

1. FURNISH THIS TYPE CONNECTION WHEN SINGLE-LINE DUCTWORK IS INDICATED AS THIS FOR BRANCHES WITH LESS THAN 25% OF TOTAL AIR FLOW.
2. THIS TYPE OF CONNECTION MUST BE USED WHEN W IS GREATER THAN 36".

RECTANGULAR DUCT BRANCH 1

SCALE: NTS

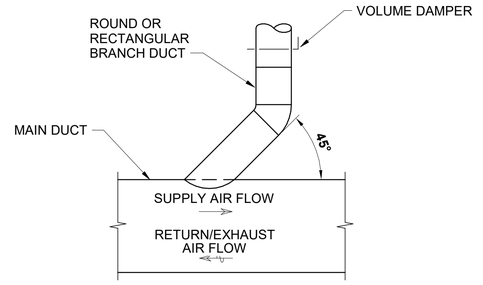


NOTES:

1. FURNISH THIS TYPE CONNECTION WHEN SINGLE-LINE DUCTWORK IS INDICATED AS THIS FOR BRANCHES WITH LESS THAN 25% OF TOTAL AIR FLOW.

RECTANGULAR DUCT CONNECTION 2

SCALE: NTS

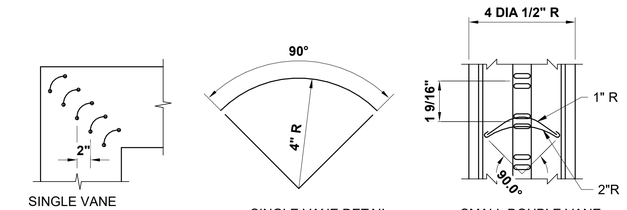


NOTES:

1. FURNISH THIS TYPE CONNECTION WHEN SINGLE-LINE DUCTWORK IS INDICATED AS THIS FOR BRANCHES WITH LESS THAN 25% OF TOTAL AIR FLOW.

ROUND OR RECTANGULAR DUCT BRANCH CONNECTION 3

SCALE: NTS

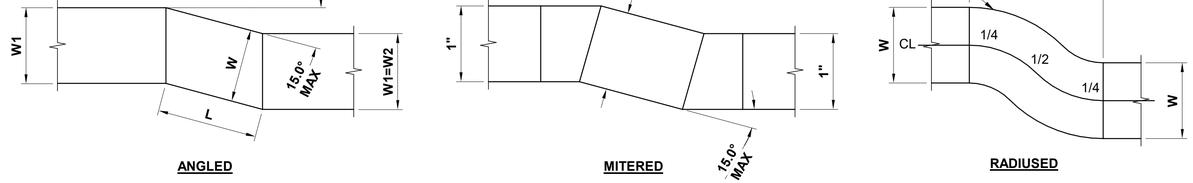


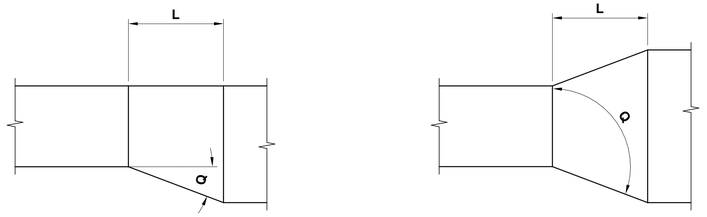
NOTES:

1. TURNING VANES SHALL ALSO BE INCLUDED IN ALL CONCRETE DUCT ELBOW LARGER THAN 45°.

SQUARE AND RECTANGULAR ELBOWS 4

SCALE: NTS





TRANSITION 5

SCALE: NTS

DESIGN RECORD DRAWING UPDATES ARE BASED ON CONTRACTOR'S REDLINES. THE ITEMS AS SHOWN HAVE NOT BEEN INDEPENDENTLY VERIFIED BY RUSHING.

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	DK	LC	EV	FINAL AS-BUILT

DESIGNED BY: S. ZAKI
DRAWN BY: S. TUTHILL
CHECKED BY: L. COPPA
APPROVED BY: E. VANDER MEY

RUSHING Engineering – Essentials – Delivery
SUBMITTED BY: SARA ROBERTS

HENSEL PHELPS Plan. Build. Manage. kpff
DATE: 10/26/2022

LINE IS 1" AT FULL SCALE

REVIEWED BY: GREG SHIMIZU

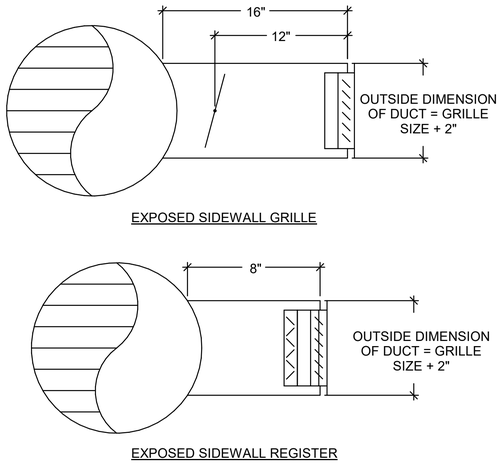
SOUNDTRANSIT
DATE: 10/26/2022

SCALE: NTS
FILENAME: S317-F1592-M_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
MECHANICAL
HVAC
DETAILS

DRAWING No.: F1592-MHD902
FACILITY ID: F1592
SHEET No.: 511
REV.: 0

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EXPOSED SIDEWALL GRILLE

EXPOSED SIDEWALL REGISTER

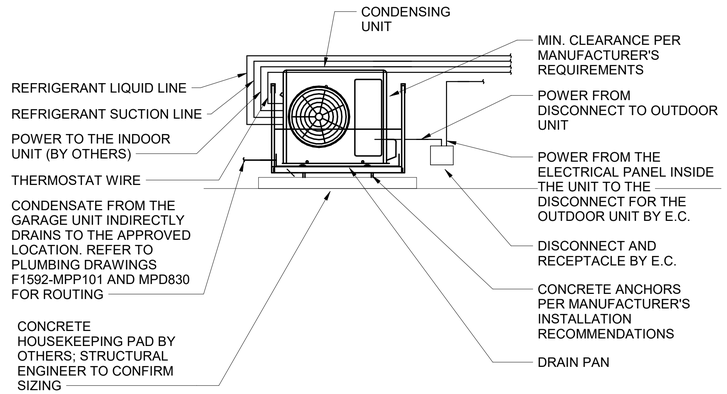
NOTES:

1. REGISTERS & GRILLES TO HAVE HORIZONTAL FRONT BLADES & VERTICAL REAR BLADES.
2. DO NOT SUBSTITUTE GRILLE & REGISTER DETAILS FOR EACH OTHER. INSTALL PER THE PLAN CALLOUTS.

EXPOSED DUCT SIDEWALL GRILLE OR REGISTER

1 -

SCALE: NTS



NOTES:

1. SEE SEISMIC TIE-DOWN SCHEDULE

CONCRETE PAD MOUNTED CONDENSING UNIT

2 -

SCALE: NTS

DESIGN RECORD DRAWING UPDATES ARE BASED ON CONTRACTOR'S REDLINES. THE ITEMS AS SHOWN HAVE NOT BEEN INDEPENDENTLY VERIFIED BY RUSHING.

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	DK	LC	EV	FINAL AS-BUILT

DESIGNED BY: S. ZAKI
DRAWN BY: S. TUTHILL
CHECKED BY: L. COPPA
APPROVED BY: E. VANDER MEY

RUSHING Engineering - Essentials - Delivery
HENSEL PHELPS Plan. Build. Manage.
kpff
SOUNDTRANSIT

SUBMITTED BY: SARA ROBERTS
DATE: 10/26/2022
REVIEWED BY: GREG SHIMIZU
DATE: 10/26/2022

LINE IS 1" AT FULL SCALE

SCALE: NTS
FILENAME: S317-F1592-M_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS

MECHANICAL
HVAC
DETAILS

DRAWING No.: **F1592-MHD903**
FACILITY ID: F1592
SHEET No: 512
REV: 0

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SYMBOLS & LEGEND

ABBREVIATIONS

A	AMPERE
AC	ABOVE COUNTER, ALTERNATING CURRENT
AF	AMP FUSE; AMP FRAME
AFF	ABOVE FINISHED FLOOR
AHJ	AUTHORITIES HAVING JURISDICTION
AIC	AMPERE INTERRUPTING CURRENT
AL	ALUMINUM
AS	AMP SWITCH
AT	AMP TRIP
ATS	AUTOMATIC TRANSFER SWITCH
AV	AUDIO VISUAL
BMS	BUILDING MANAGEMENT SYSTEM
C	CONDUIT; DEGREES CELSIUS
CAT	CATEGORY
CCTV	CLOSED CIRCUIT TELEVISION
CKT	CIRCUIT
CU	COPPER
DIA	DIAMETER
DWG	DRAWING
(E)	EXISTING
E	EMERGENCY
EC	ELECTRICAL CONTRACTOR, END CAP
EF	EXHAUST FAN
ELEC	ELECTRICAL
EPO	EMERGENCY POWER OFF
EQ, EQUIP	EQUIPMENT
EVC	ELECTRIC VEHICLE CHARGER
FA	FIRE ALARM
FAAP	FIRE ALARM ANNUNCIATOR PANEL
FACP	FIRE ALARM CONTROL PANEL
FT	FOOT; FEET
G, GND	GROUND
GC	GENERAL CONTRACTOR
GFI	GROUND FAULT INTERRUPTER
GFCI	GROUND FAULT CIRCUIT INTERRUPTER
HP	HORSE POWER
IBC	INTERNATIONAL BUILDING CODE
JB	JUNCTION BOX
KCMIL	THOUSAND CIRCULAR MILS
kVA	KILOVOLT AMPERE
KW	KILOWATT
LCP	LIGHTING CONTROL PANEL
LTG	LIGHTING
LF	LINEAL FOOT
MAX	MAXIMUM
MCB	MAIN CIRCUIT BREAKER
MDP	MAIN DISTRIBUTION PANEL
MFG	MANUFACTURER
MIN	MINIMUM
MLO	MAIN LUGS ONLY
MTD	MOUNTED
MTS	MANUAL TRANSFER SWITCH
N	NEUTRAL
(N)	NEW
NEC	NATIONAL ELECTRICAL CODE
NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOC.
NTS	NOT TO SCALE
OC	ON CENTER
OS	OCCUPANCY SENSOR
PET	PUBLIC EMERGENCY TELEPHONE
PSE	PUGET SOUND ENERGY
PVC	POLYVINYL CHLORIDE
QTY	QUANTITY
RD	ROLL UP DOOR
REV	REVISION
SAFTP	STAND-ALONE FARE TRANSACTION PROCESSOR
SF	SQUARE FOOT, SUPPLY FAN
SMR	SURFACE METAL RACEWAY
SPEC	SPECIFICATION
SWBD	MAIN SWITCHBOARD
T	TRANSFORMER
TBB	TELECOMMUNICATIONS BACKBOARD
TBD	TO BE DETERMINED
TEL	TELEPHONE
TVM	TICKETING VENDING MACHINE
TYP	TYPICAL
UG	UNDERGROUND
UL	UNDERWRITERS LABORATORIES
UPS	UNINTERRUPTIBLE POWER SUPPLY
UNO	UNLESS NOTED OTHERWISE
V	VOLTS
VAV	VARIABLE AIR VOLUME
VFD	VARIABLE FREQUENCY DRIVE
W	WATT; WIRE
WP	WEATHERPROOF
Y	WYE

SCHEMATIC / ONE LINE

480V P
208Y/120V S — TRANSFORMER: VOLTAGES AS NOTED

M — CURRENT TRANSFORMER WITH METER ENCLOSURE

400A/3P — CIRCUIT BREAKER
NUMBER OF POLES
BREAKER SIZE

DISCONNECT

FUSED DISCONNECT

SHUNT TRIP CIRCUIT BREAKER

ENCLOSED CIRCUIT BREAKER

TRANSFER SWITCH

TRANSFER SWITCH WITH AN INTEGRAL BREAKER

L — STATUS LIGHT (LED)

M — POWER METER

LIGHTING

$^a — WALL SWITCH - SUPERSCRIPT INDICATES:
- 3 = 3-WAY
- 4 = 4-WAY
- LV = LOW-VOLTAGE
- NS = NIGHT SETBACK
- a = LOWER CASE LETTERS INDICATES SWITCHING GROUP DESIGNATION
- T = TIMER
- OS = OCCUPANCY SENSOR

$^a — DIMMER SWITCH

PC — DAYLIGHT SENSOR

OS — OCCUPANCY SENSOR, CEILING MOUNTED

OS — OCCUPANCY SENSOR, WALL MOUNTED

F1 "E"
6a,b — LIGHT FIXTURE, SIZES VARY SEE FIXTURE SCHEDULE.

TYPICAL ALL FIXTURES:
ADJACENT NUMBER INDICATES CIRCUIT GROUPING
LOWER CASE LETTER INDICATES SWITCHING GROUP
"E" INDICATES THAT A LUMINAIRE IS ON EMERGENCY CIRCUIT.

SURFACE, RECESSED, WALL MOUNT LINEAR FIXTURE. MOUNTING AND SIZE VARY, REFER TO FIXTURE SCHEDULE.

STRIP LIGHT FIXTURE
SIZE VARIES, REFER TO FIXTURE SCHEDULE.

DOWNLIGHT FIXTURE

WALL WASH DOWNLIGHT

CYLINDER PENDANT

EXTERIOR WALL PACK

WALL SCONCE

ILLUMINATED EXIT SIGN - FACES & DIRECTION OF ALL ARROWS AS SHOWN, WHERE INDICATED

POLE OR WALL MOUNTED AREA/SITE LIGHT FIXTURE.

WALL MOUNTED DOWNLIGHT

UL924 — UL924 CODE COMPLIANT DEVICE

GENERIC

NXX-XX-XX — EQUIPMENT TAG

X — CONSTRUCTION NOTE

X / X.X — DETAIL / PLAN IDENTIFIER

1 — REVISION CALLOUT

XXX — FEEDER TAG

MISCELLANEOUS

PUSH BUTTON DOOR OPERATOR

EPO — EMERGENCY POWER OFF SWITCH

EQUIPMENT AS NOTED

POWER

RECEPTACLE OUTLET

GFCI FOURPLEX RECEPTACLE

GFCI DUPLEX RECEPTACLE

FOURPLEX RECEPTACLE

DUPLEX RECEPTACLE

CEILING DUPLEX RECEPTACLE

ABOVE COUNTER DUPLEX RECEPTACLE

WP — WEATHERPROOF

F — POKE-THRU, DEVICES AS INDICATED
F - FLUSH MOUNTED

FB — FLOOD BOX, DEVICES AS INDICATED

EQUIPMENT CONNECTION

SPECIAL PURPOSE RECEPTACLE

$M — MOTOR RATED SNAP SWITCH

NON-FUSED DISCONNECT

FUSED DISCONNECT

MOTOR STARTER

COMBINATION MOTOR STARTER - DISCONNECT SWITCH

SHUNT TRIP CIRCUIT BREAKER

ENCLOSED CIRCUIT BREAKER

MOTOR CONNECTION - SINGLE PHASE

MOTOR CONNECTION - 3 PHASE

480Y/277V ELECTRICAL PANEL

208Y/120V ELECTRICAL PANEL

ECP — PANEL, TYPE AS NOTED
ECP - ELEVATOR CONTROL PANEL
LCP - LIGHTING CONTROL PANEL

WIRING

CONDUIT, EXPOSED

CONDUIT, UNDERGROUND & CONCEALED

CONDUIT AND CABLE DOWN

CONDUIT AND CABLE UP

CABLE CAPPED

CONDUIT CONTINUATION/BREAK

CONDUIT CROSSING, NON-INTERSECTING

GROUNDING

GROUND CABLE

GROUND PIGTAIL
EXOTHERMIC WELD

GROUND ROD

GROUND TEST WELL

OUTLET MOUNTING HEIGHTS

SPECIAL OUTLET HEIGHTS ARE SHOWN ON THE ELECTRICAL DRAWINGS OR ON THE ARCHITECTURAL DRAWINGS. IF SPECIAL OUTLET HEIGHTS ARE NOT SHOWN OR REQUIRED, LOCATE OUTLETS AS NOTED BELOW. OUTLET HEIGHTS ARE MEASURED FROM THE CENTERLINE OF THE OUTLET TO THE FINISHED FLOOR, UNO.

RECEPTACLES	+18 INCHES VERTICAL
LIGHT SWITCHES	+48 INCHES SET VERTICAL
PANELBOARDS	+6 FEET TO TOP OF PANELBOARD
TELECOM OUTLET-DESK	+18 INCHES VERTICAL
TELECOM OUTLET-WALL	+18 INCHES VERTICAL
MANUAL STATION	+48 INCHES VERTICAL
FIRE ALARM CONTROL PANEL	+6 FEET TO TOP
FIRE ALARM VISUAL ALARM LIGHT	+80 INCHES OR 6 INCHES BELOW CEILING, WHICHEVER IS LOWER
FIRE ALARM SPEAKER HORN, CHIME	+80 INCHES OR 6 INCHES BELOW CEILING, WHICHEVER IS LOWER

DESIGN RECORD DRAWING UPDATES ARE BASED ON CONTRACTOR'S REDLINES. THE ITEMS AS SHOWN HAVE NOT BEEN INDEPENDENTLY VERIFIED BY RUSHING.

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	VI	TT	TT	RECORD DRAWINGS

DESIGNED BY: B. HOANG
DRAWN BY: S. TUTHILL
CHECKED BY: T. THAYER
APPROVED BY: T. THAYER

RUSHING Engineering – Essentials – Delivery
SUBMITTED BY: SARA ROBERTS

HENSEL PHELPS Plan. Build. Manage. kpff
DATE: 10/26/2022
REVIEWED BY: GREG SHIMIZU

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT
DATE: 10/26/2022

SCALE: NTS
FILENAME: S317-F1592-E_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
ELECTRICAL
GENERAL
GENERAL NOTES, SYMBOLS, LEGEND & ABBREVIATIONS

DRAWING No.: F1592-EZN001
FACILITY ID: F1592
SHEET No: 513
REV: 0

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SYMBOLS & LEGEND

APPLICABLE CODES

CITY OF PUYALLUP

1. INTERNATIONAL BUILDING CODE (IBC), 2015
2. INTERNATIONAL FIRE CODE (IFC), 2015, WITH WASHINGTON STATE AND CITY OF PUYALLUP AMENDMENTS
3. WASHINGTON STATE ENERGY CODE(WSEC), 2015
4. NATIONAL ELECTRICAL CODE (NFPA 70, NEC), 2017, WITH WASHINGTON STATE AND CITY OF PUYALLUP AMENDMENTS
5. NATIONAL FIRE ALARM AND SIGNALING CODE (NFPA 72), 2019

EQUIPMENT AND FACILITIES NUMBERING

592-PB4-YYY

DESCRIPTION:

INSTANCE NUMBERS = A UNIQUE NUMERICAL IDENTIFIER. (E) IS APPENDED FOR ALL EQUIPMENT POWERED BY UPS BATTERIES.

EQUIPMENT CODES =

BMS	-	BUILDING MANAGEMENT SYSTEM
BRKR	-	ENCLOSED CIRCUIT BREAKER
CARP	-	CLEAN AGENT REMOTE PANEL
CPNL	-	CONTROL PANEL
DISC	-	DISCONNECT
ES	-	ESCALATOR
EL	-	ELEVATOR
FACP	-	FIRE ALARM CONTROL PANEL
FARP	-	FIRE ALARM RELAY PANEL
GENR	-	GENERATOR
HHLV	-	HANDHOLE < 600V
HHSC	-	HANDHOLE SIGNAL & COMMUNICATION
IO	-	INPUT/OUTPUT MODULE OR BLOCK
ITC	-	INTERFACE TERMINAL CABINET
JB	-	JUNCTION BOX
MBKR	-	MAIN BREAKER
MHLV	-	MANHOLE < 600V
MPC	-	MINI POWER CENTER
MTR	-	METER
MTS	-	MANUAL TRANSFER SWITCH
LCP	-	LIGHTING CONTROL PANEL
OCG	-	OVERHEAD COILING GRILLE
PB2	-	PANELBOARD, 208/120V SYSTEMS
PB4	-	PANELBOARD, 480/277V SYSTEMS
PB	-	PULLBOX
PLC	-	PROGRAMMABLE LOGIC CONTROLLER
SPC	-	SUMP PUMP CONTROLLER
SWBD	-	SWITCHBOARD
SWGR	-	SWITCHGEAR
SP	-	SUMP PUMP
T	-	TRANSFORMER
TB	-	TERMINAL BLOCK OR STRIP
THRM	-	THERMOSTAT
UPS	-	UNINTERRUPTIBLE POWER SUPPLY

*SEE MECHANICAL ABBREVIATION LIST FOR MECHANICAL EQUIPMENT TAGS.

*SEE PLUMBING ABBREVIATION LIST FOR PLUMBING EQUIPMENT TAGS.

*SEE FIRE PROTECTION ABBREVIATION LIST FOR FIRE PROTECTION EQUIPMENT TAGS.

FACILITY ID = 592 - PUYALLUP STATION GARAGE

NOTE:

EQUIPMENT IS NOT SHOWN WITH FACILITY ID FOR CLARITY, ALL EQUIPMENT STARTS WITH "592-". PROVIDE FACILITY ID PREFIX ON ALL EQUIPMENT LABELS IN THE FIELD.

CONDUIT NUMBERING

592-C4-YYY

DESCRIPTION:

INSTANCE IDENTIFICATION = YYY - CONDUIT IDENTIFICATION

CABLES CODES =

C4	-	CRITICAL POWER, 480/277V
C2	-	CRITICAL POWER, 208/120V
E4	-	EMERGENCY POWER, 480/277V
E2	-	EMERGENCY POWER, 208/120V
N4	-	NON-ESSENTIAL POWER, 480/277V
N2	-	NON-ESSENTIAL POWER, 208/120V
SC	-	SIGNAL AND COMMUNICATIONS
SP	-	SPARE
B	-	BMS
F	-	FIRE ALARM
MC	-	MOTOR CONTROL

FACILITY ID = 592 - PUYALLUP STATION GARAGE

NOTE:

ALL EQUIPMENT STARTS WITH "592-". PROVIDE FACILITY ID PREFIX ON ALL EQUIPMENT LABELS IN THE FIELD.

DESIGN RECORD DRAWING UPDATES ARE BASED ON CONTRACTOR'S REDLINES. THE ITEMS AS SHOWN HAVE NOT BEEN INDEPENDENTLY VERIFIED BY RUSHING.

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FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	VI	TT	TT	RECORD DRAWINGS

DESIGNED BY: B. HOANG
DRAWN BY: S. TUTHILL
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RUSHING Engineering - Essentials - Delivery
SUBMITTED BY: SARA ROBERTS
DATE: 10/26/2022

HENSEL PHELPS Plan. Build. Manage. kpff
REVIEWED BY: GREG SHIMIZU
DATE: 10/26/2022

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT
SUBMITTAL DATE: 10/26/2022

SCALE: NTS
FILENAME: S317-F1592-E_v2020
CONTRACT No.: RTA/CN 0612-18

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
ELECTRICAL
GENERAL
GENERAL NOTES, SYMBOLS & LEGEND

DRAWING No.: F1592-EZN002
FACILITY ID: F1592
SHEET No: 514
REV: 0

SYMBOLS & LEGEND

APPLICABLE CODES

A. NFPA 70 NATIONAL ELECTRICAL CODE (NEC), 2017 EDITION.
B. NFPA 72 NATIONAL FIRE ALARM AND SIGNALING CODE, 2019 EDITION.

CITY OF PUYALLUP

A. INTERNATIONAL BUILDING CODE (IBC), 2015 EDITION, AS AMENDED BY THE STATE OF WASHINGTON AND CITY OF PUYALLUP.
B. INTERNATIONAL FIRE CODE (IFC), 2015 EDITION, AS AMENDED BY THE STATE OF WASHINGTON AND CITY OF PUYALLUP.
C. WASHINGTON STATE ENERGY CODE (WSEC), 2015 EDITION.
D. NATIONAL ELECTRICAL CODE (NEC), 2017 EDITION.

FIRE ALARM SCOPE OF WORK

THIS PROJECT INVOLVES THE DESIGN AND INSTALLATION OF A DIGITAL, ADDRESSABLE FIRE ALARM SYSTEM IN ACCORDANCE WITH APPLICABLE CODES AND SOUND TRANSIT DESIGN REQUIREMENTS. THE PUYALLUP GARAGE CONSISTS OF AN MULTI-LEVEL GARAGE WITH ASSOCIATED ANCILLARY FACILITIES LOCATED IN THE CITY OF PUYALLUP, WASHINGTON. ALL STRUCTURES ARE OF TYPE II-B CONSTRUCTION IN ACCORDANCE WITH THE 2015 INTERNATIONAL BUILDING CODE AS AMENDED BY THE STATE OF WASHINGTON AND THE CITY OF PUYALLUP.

FIRE ALARM GENERAL NOTES:

1. THE CONTRACTOR SHALL FURNISH ALL LABOR, EQUIPMENT, AND MATERIALS, AND PERFORM ALL OPERATIONS IN CONNECTION WITH THE INSTALLATION OF A NEW FIRE ALARM SYSTEM THROUGHOUT THE PUYALLUP STATION PARKING GARAGE IN PUYALLUP, WASHINGTON AS INDICATED AND DESCRIBED IN THE CONTRACT DOCUMENTS.
2. THESE DRAWINGS ARE DIAGRAMMATIC IN NATURE AND ARE NOT INTENDED TO BE USED FOR EXACT MEASURE OR FABRICATION. CONTRACTOR SHALL INSTALL ALL FIRE ALARM COMPONENTS IN ACCORDANCE WITH ALL APPLICABLE CODES. CONTRACTOR SHALL COORDINATE THE INSTALLATION SYSTEM CONDUIT AND OTHER COMPONENTS WITH ALL OTHER TRADES.
3. THE CONTRACTOR IS SPECIFICALLY RESPONSIBLE FOR ALL MEANS AND METHODS OF JOB SAFETY. ALL WORK IS TO BE PERFORMED IN ACCORDANCE WITH ALL APPLICABLE CODES AND REGULATIONS. INSTALLING CONTRACTOR SHALL BE RESPONSIBLE FOR FINAL SELECTION OF ALL MATERIALS AND EQUIPMENT. SELECTION SHALL BE IN ACCORDANCE WITH SPECIFICATIONS.
4. INSTALLATION OF THIS SYSTEM SHALL CONFORM TO ALL REQUIREMENTS OF ALL APPLICABLE ELECTRICAL CODES.
5. WIRING METHODS AND MATERIALS SHALL CONFORM WITH ALL APPLICABLE SECTIONS OF NEC ARTICLE 760.
6. BOOSTER POWER SUPPLIES SHALL BE PROVIDED FOR NOTIFICATION APPLIANCES AS DEEMED NECESSARY BY THE CALCULATIONS.
7. ALL SIGNALING LINE CIRCUIT, INITIATING DEVICE CIRCUIT, AND NOTIFICATION APPLIANCE CIRCUIT WIRING SHALL BE CLASS B PER THE SOUND TRANSIT DESIGN CRITERIA MANUAL.
8. THE FIRE ALARM SYSTEM AND CONTROLLER SHALL BE FULLY FUNCTIONAL WITHOUT THE USE OF PRIMARY POWER. THE FIRE ALARM SYSTEM SHALL BE PROVIDED WITH A MINIMUM OF 24 HOURS OF STANDBY OPERATION FOLLOWED BY AN ADDITIONAL 15 MINUTES OF ALARM OPERATION.
9. PROVIDE UL LISTED FIRE STOPPING SYSTEMS WHERE CONDUIT OR PIPING PASSES THROUGH FIRE RATED WALLS AND FLOOR / CEILING ASSEMBLIES.
10. CONTRACTOR SHALL PATCH AND PAINT ALL LOCATIONS WHERE WALLS, CEILINGS, OR OTHER SURFACES ARE DISTURBED.
11. EACH COMPONENT OF THE FIRE ALARM SYSTEM SHALL BE LISTED FOR THE INTENDED USE BY UNDERWRITERS LABORATORIES, INC. (UL) AND SHALL BEAR THE "UL" LABEL.
12. CONDUIT IN PUBLIC AREAS SHOULD BE ROUTED IN SLAB PER STRUCTURAL DETAIL AND NOT EXPOSED. REFERENCE STRUCTURAL DETAIL 1/F1592-SGD544 FOR RESTRICTIONS ON SIZE AND LAYOUT FOR IN SLAB CONDUIT. WHERE CONDUITS MUST BE EXPOSED TO PUBLIC VIEW TO CONNECT TO EQUIPMENT OR FIXTURES, THE CONDUIT AND ANY JUNCTION BOXES SHALL BE LOCATED IN AN ORGANIZED MANNER, TIGHT TO ADJACENT SURFACES AND PAINTED TO MATCH THOSE SURFACES.
13. AUDIBILITY OF ALARMS SHALL NOT BE LESS THAN 15DB ABOVE THE AVERAGE AMBIENT SOUND THROUGHOUT THE AREA OF THE ALARM.

FIRE ALARM DEVICE LEGEND

CLG. MTD	WALL MTD	
N/A	F	MANUAL PULL STATION
N/A	H	FIRE ALARM HORN
	I	FIRE ALARM STROBE
FS	S	FIRE ALARM SPEAKER
F	F	FIRE ALARM HORN/STROBE
FS	FS	FIRE ALARM SPEAKER/STROBE
EOLR		END OF LINE RESISTOR
FAA		FIRE ALARM ANNUNCIATOR
FACP		FIRE ALARM CONTROL PANEL
FARA		FIRE ALARM REMOTE ANNUNCIATOR
FARP		FIRE ALARM RELAY PANEL
NAC		NOTIFICATION APPLIANCE CIRCUIT
S		FIRE ALARM SMOKE DETECTOR
S		FIRE ALARM SMOKE DUCT DETECTOR
		FIRE ALARM HEAT DETECTOR
FS		FLOW SWITCH
TS		TAMPER SWITCH
PS		PRESSURE SWITCH
B		FIRE ALARM BELL
IM		INTERFACE MODULE
M		MAGNETIC DOOR HOLD OPEN
DH		DOOR HOLDER-CLOSER
DR		DOOR RELEASE
J		JUNCTION BOX

DESIGN RECORD DRAWING UPDATES ARE BASED ON CONTRACTOR'S REDLINES. THE ITEMS AS SHOWN HAVE NOT BEEN INDEPENDENTLY VERIFIED BY RUSHING.

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	VI	TT	TT	RECORD DRAWINGS

DESIGNED BY: B. HOANG
DRAWN BY: S. TUTHILL
CHECKED BY: T. THAYER
APPROVED BY: T. THAYER

RUSHING Engineering - Essentials - Delivery
SUBMITTED BY: SARA ROBERTS

HENSEL PHELPS Plan. Build. Manage. kpff
DATE: 10/26/2022
REVIEWED BY: GREG SHIMIZU

LINE IS 1" AT FULL SCALE

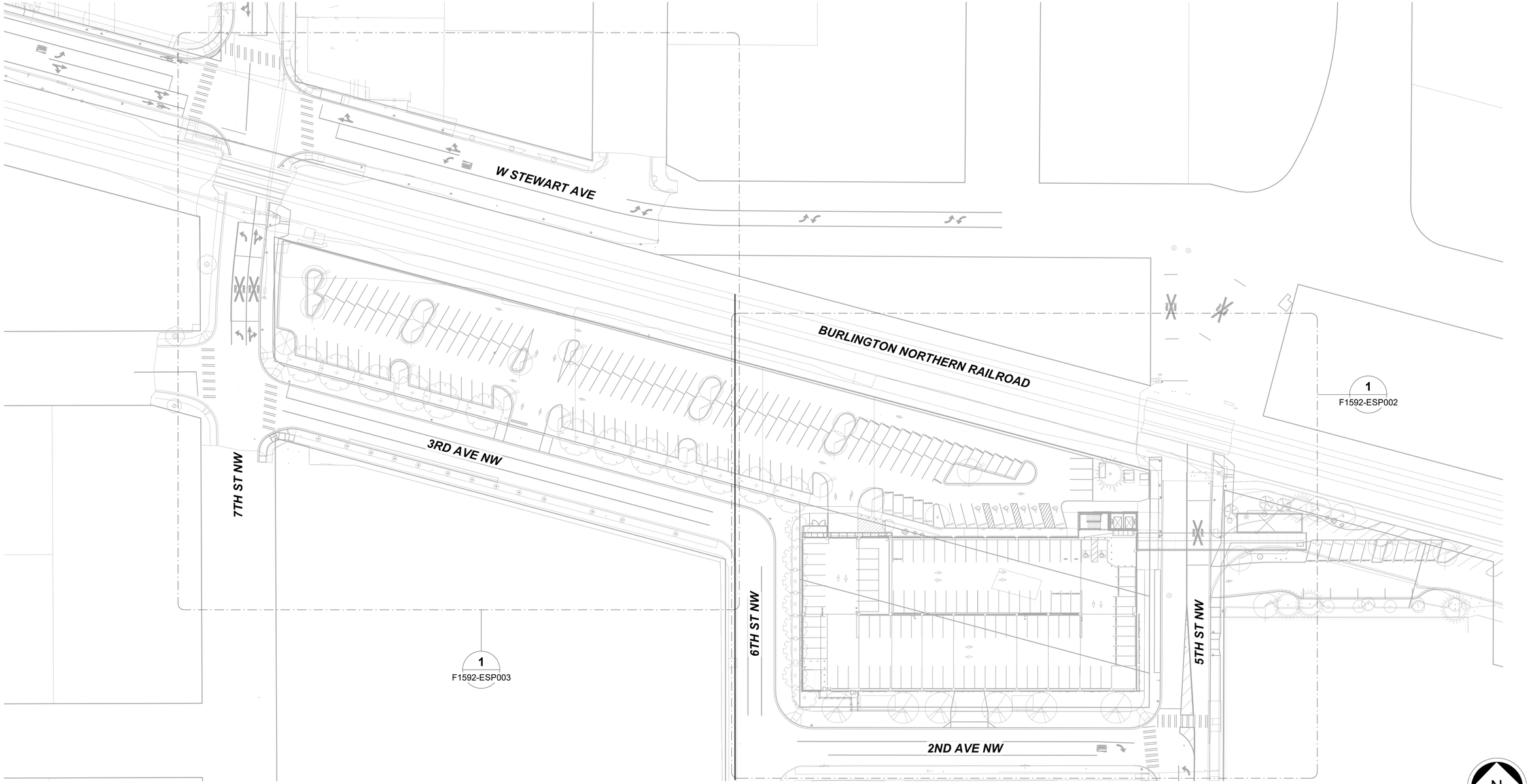
SOUNDTRANSIT
DATE: 10/26/2022

SCALE: NTS
FILENAME: S317-F1592-E_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
ELECTRICAL
GENERAL
GENERAL NOTES, SYMBOLS & LEGEND

DRAWING No.: F1592-EZN003
FACILITY ID: F1592
SHEET No: 515
REV: 0

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DESIGN RECORD DRAWING UPDATES ARE BASED ON CONTRACTOR'S REDLINES. THE ITEMS AS SHOWN HAVE NOT BEEN INDEPENDENTLY VERIFIED BY RUSHING.

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DESIGNED BY: B. HOANG
DRAWN BY: S. TUTHILL
CHECKED BY: T. THAYER
APPROVED BY: T. THAYER

RUSHING Engineering - Essentials - Delivery
SUBMITTED BY: SARA ROBERTS
DATE: 10/26/2022

HENSEL PHELPS Plan. Build. Manage.
kpff
REVIEWED BY: GREG SHIMIZU
DATE: 10/26/2022

LINE IS 1" AT FULL SCALE

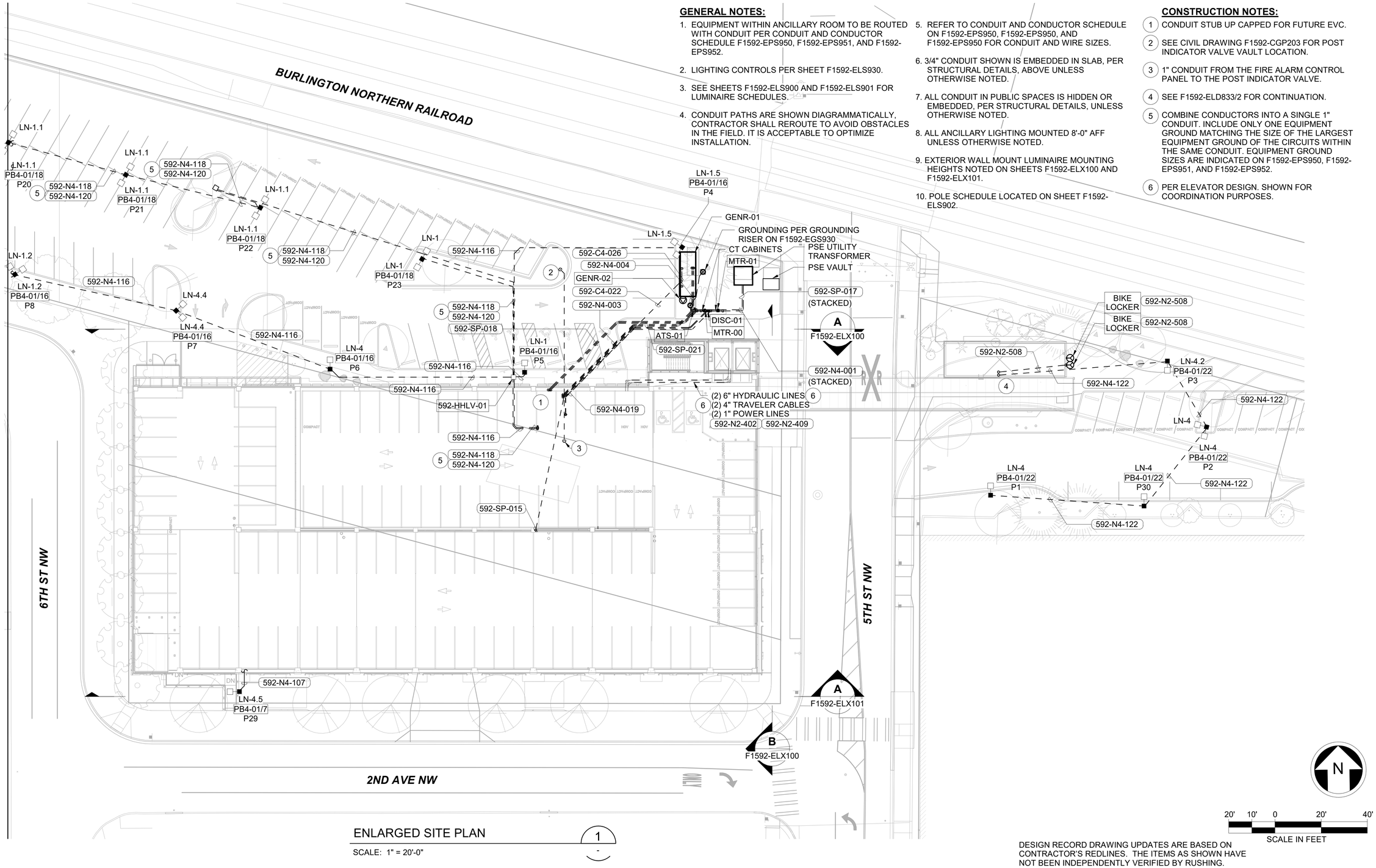
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SCALE: 1" = 40'-0"
FILENAME: S317-F1592-E_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
ELECTRICAL
GENERAL
SITE PLAN

DRAWING No.: F1592-ESP001
FACILITY ID: F1592
SHEET No: 516
REV: 0

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MATCHLINE:
SEE DWG F1592-ESP003



GENERAL NOTES:

1. EQUIPMENT WITHIN ANCILLARY ROOM TO BE ROUTED WITH CONDUIT PER CONDUIT AND CONDUCTOR SCHEDULE F1592-EPS950, F1592-EPS951, AND F1592-EPS952.
2. LIGHTING CONTROLS PER SHEET F1592-ELS930.
3. SEE SHEETS F1592-ELS900 AND F1592-ELS901 FOR LUMINAIRE SCHEDULES.
4. CONDUIT PATHS ARE SHOWN DIAGRAMMATICALLY, CONTRACTOR SHALL REROUTE TO AVOID OBSTACLES IN THE FIELD. IT IS ACCEPTABLE TO OPTIMIZE INSTALLATION.
5. REFER TO CONDUIT AND CONDUCTOR SCHEDULE ON F1592-EPS950, F1592-EPS950, AND F1592-EPS950 FOR CONDUIT AND WIRE SIZES.
6. 3/4" CONDUIT SHOWN IS EMBEDDED IN SLAB, PER STRUCTURAL DETAILS, ABOVE UNLESS OTHERWISE NOTED.
7. ALL CONDUIT IN PUBLIC SPACES IS HIDDEN OR EMBEDDED, PER STRUCTURAL DETAILS, UNLESS OTHERWISE NOTED.
8. ALL ANCILLARY LIGHTING MOUNTED 8'-0" AFF UNLESS OTHERWISE NOTED.
9. EXTERIOR WALL MOUNT LUMINAIRE MOUNTING HEIGHTS NOTED ON SHEETS F1592-ELX100 AND F1592-ELX101.
10. POLE SCHEDULE LOCATED ON SHEET F1592-ELS902.

CONSTRUCTION NOTES:

1. CONDUIT STUB UP CAPPED FOR FUTURE EVC.
2. SEE CIVIL DRAWING F1592-CGP203 FOR POST INDICATOR VALVE VAULT LOCATION.
3. 1" CONDUIT FROM THE FIRE ALARM CONTROL PANEL TO THE POST INDICATOR VALVE.
4. SEE F1592-ELD833/2 FOR CONTINUATION.
5. COMBINE CONDUCTORS INTO A SINGLE 1" CONDUIT. INCLUDE ONLY ONE EQUIPMENT GROUND MATCHING THE SIZE OF THE LARGEST EQUIPMENT GROUND OF THE CIRCUITS WITHIN THE SAME CONDUIT. EQUIPMENT GROUND SIZES ARE INDICATED ON F1592-EPS950, F1592-EPS951, AND F1592-EPS952.
6. PER ELEVATOR DESIGN. SHOWN FOR COORDINATION PURPOSES.

ENLARGED SITE PLAN 1

SCALE: 1" = 20'-0"

N

20' 10' 0 20' 40'

SCALE IN FEET

DESIGN RECORD DRAWING UPDATES ARE BASED ON CONTRACTOR'S REDLINES. THE ITEMS AS SHOWN HAVE NOT BEEN INDEPENDENTLY VERIFIED BY RUSHING.

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	VI	TT	TT	RECORD DRAWINGS

DESIGNED BY: B. HOANG
DRAWN BY: S. TUTHILL
CHECKED BY: T. THAYER
APPROVED BY: T. THAYER

RUSHING Engineering – Essentials – Delivery
SUBMITTED BY: SARA ROBERTS
DATE: 10/26/2022

HENSEL PHELPS Plan. Build. Manage.
kpff
REVIEWED BY: GREG SHIMIZU
DATE: 10/26/2022

LINE IS 1" AT FULL SCALE

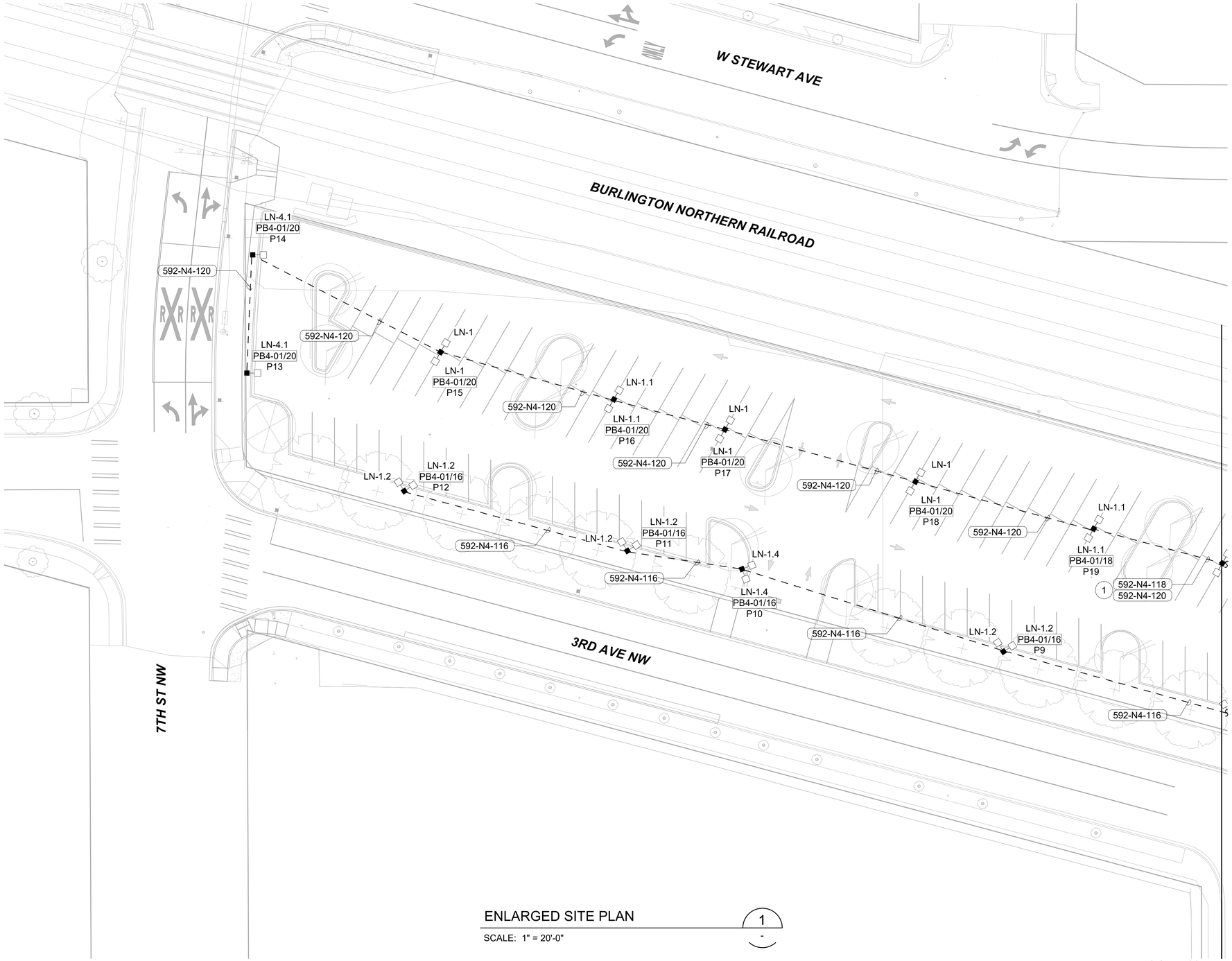
SOUNDTRANSIT
SUBMITTAL DATE: 10/26/2022

SCALE: 1" = 20'-0"
FILENAME: S317-F1592-E_v2020
CONTRACT No.: RTA/CN 0612-18

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
ELECTRICAL
GENERAL
ENLARGED SITE PLAN

DRAWING No.: F1592-ESP002
FACILITY ID: F1592
SHEET No: 517
REV: 0

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ENLARGED SITE PLAN

SCALE: 1" = 20'-0"

1

-

N

20' 10' 0 20' 40'

SCALE IN FEET

GENERAL NOTES:

1. LIGHTING CONTROLS PER SHEET F1592-ELS930.
2. SEE SHEETS F1592-ELS900 AND F1592-ELS901 FOR LUMINAIRE SCHEDULES.
3. CONDUIT PATHS ARE SHOWN DIAGRAMMATICALLY, CONTRACTOR SHALL REROUTE TO AVOID OBSTACLES IN THE FIELD. IT IS ACCEPTABLE TO OPTIMIZE INSTALLATION.
4. REFER TO CONDUIT AND CONDUCTOR SCHEDULE ON F1592-EPS950, F1592-EPS950, AND F1592-EPS950 FOR CONDUIT AND WIRE SIZES.
5. ALL CONDUIT IN PUBLIC SPACES IS HIDDEN OR EMBEDDED, PER STRUCTURAL DETAILS, UNLESS OTHERWISE NOTED.
6. POLE SCHEDULE LOCATED ON SHEET F1592-ELS902.

CONSTRUCTION NOTES:

1. COMBINE CONDUCTORS INTO A SINGLE 1" CONDUIT. INCLUDE ONLY ONE EQUIPMENT GROUND MATCHING THE SIZE OF THE LARGEST EQUIPMENT GROUND OF THE CIRCUITS WITHIN THE SAME CONDUIT. EQUIPMENT GROUND SIZES ARE INDICATED ON F1592-EPS950, F1592-EPS951, AND F1592-EPS952.

DESIGN RECORD DRAWING UPDATES ARE BASED ON CONTRACTOR'S REDLINES. THE ITEMS AS SHOWN HAVE NOT BEEN INDEPENDENTLY VERIFIED BY RUSHING.

FINAL AS-BUILT

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DESIGNED BY: B. HOANG
DRAWN BY: S. TUTHILL
CHECKED BY: T. THAYER
APPROVED BY: T. THAYER

RUSHING Engineering - Essentials - Delivery
HENSEL PHELPS Plan. Build. Manage.
kpff
SOUNDTRANSIT

LINE IS 1" AT FULL SCALE

SUBMITTED BY: SARA ROBERTS
DATE: 10/26/2022
REVIEWED BY: GREG SHIMIZU
DATE: 10/26/2022

SCALE: 1" = 20'-0"
FILENAME: S317-F1592-E_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
ELECTRICAL
GENERAL
ENLARGED SITE PLAN

DRAWING No.: F1592-ESP003
FACILITY ID: F1592
SHEET No: 518
REV: 0

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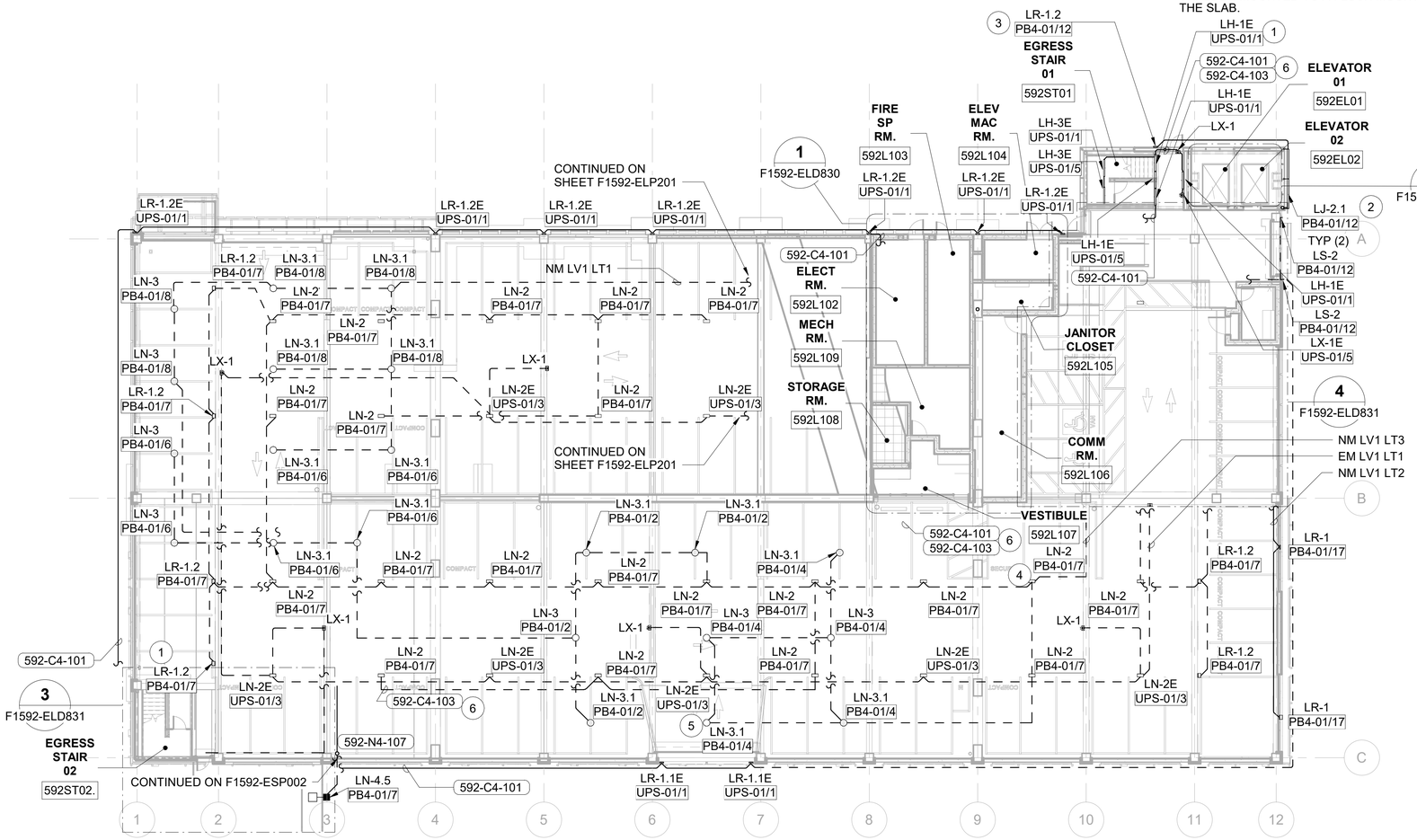
LT HOMERUN PIPE AND WIRE SCHEDULE			
HOMERUN NAME	**SIZE**	**CIRCUIT**	**DESC.**
EM LV1 LT1	1C"	CIR 3, 5	
EM LV1 LT2	1C"	CIR 1, 5	STAIRWELL LIGHTING
NM LV1 LT1	1C"	CIR 6,8	
NM LV1 LT2	1C"	CIR 17, 12	O/S WALL PACK
NM LV1 LT3	1C"	CIR 4, 7, 6	
NM LV1 LT4	1C"	CIR 7, 10, 23	
NM LV1 LT5	1C"	CIR 12	STAIRWELL L2, 2.1, EXT ART LIGHTS
NM LV2 LT1	1C"	CIR 9	

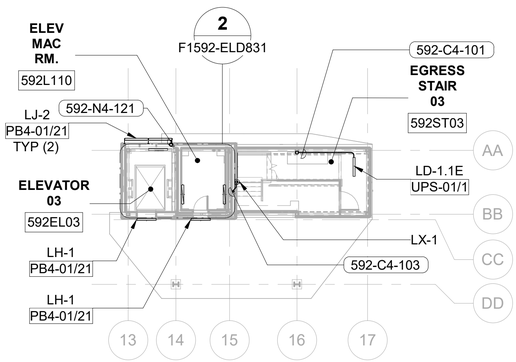
GENERAL NOTES:

1. EQUIPMENT WITHIN ANCILLARY ROOM TO BE ROUTED WITH CONDUIT PER CONDUIT AND CONDUCTOR SCHEDULE F1592-EPS950, F1592-EPS951, AND F1592-EPS952.
2. LIGHTING CONTROLS PER SHEET F1592-ELS930.
3. SEE SHEETS F1592-ELS900 AND F1592-ELS901 FOR LUMINAIRE SCHEDULES.
4. CONDUIT PATHS ARE SHOWN DIAGRAMMATICALLY, CONTRACTOR SHALL REROUTE TO AVOID OBSTACLES IN THE FIELD. IT IS ACCEPTABLE TO OPTIMIZE INSTALLATION.
5. REFER TO CONDUIT AND CONDUCTOR SCHEDULE ON F1592-EPS950, F1592-EPS951, AND F1592-EPS952 FOR CONDUIT AND WIRE SIZES.
6. 3/4" CONDUIT SHOWN IS EMBEDDED IN SLAB ABOVE, PER STRUCTURAL DETAILS, UNLESS OTHERWISE NOTED.
7. ALL CONDUIT IN PUBLIC SPACES IS HIDDEN OR EMBEDDED, PER STRUCTURAL DETAILS, UNLESS OTHERWISE NOTED.
8. ALL ANCILLARY LIGHTING MOUNTED 8'-0" AFF UNLESS OTHERWISE NOTED.
9. EXTERIOR WALL MOUNT LUMINAIRE MOUNTING HEIGHTS NOTED ON SHEETS F1592-ELX100 AND F1592-ELX101.
10. ALL LIGHTING CONDUIT SHALL BE EMBEDDED IN THE SLAB ABOVE. CEILING MOUNTED LIGHT FIXTURES SHALL BE MOUNTED TO A FLUSH MOUNTED J-BOX IN THE SLAB.

CONSTRUCTION NOTES:

1. ALL LUMINAIRE TYPE LH-1 ON THIS SHEET WALL MOUNTEDAT 9-0" AFF UNLESS OTHERWISE NOTED.LUMINAIRE TYPE LH-1 RIGID PENDANT MOUNTED TO UNDERSIDE OF BEAM AND STAIR.
2. ART LIGHTING LJ-2 AND LJ-2.1 NOT IN CONTRACT. SHOWING FOR WATTAGE ALLOWANCE AND CIRCUITING ONLY.
3. ALL LUMINAIRE TYPE LR-1.2 WALL MOUNTED AT ELEVATION 9'-0".
4. ALL LUMINAIRE TYPE LN-2 AND LN-2.1 ON THIS SHEET RIGID PENDANT MOUNTED WITH BOTTOM OF FIXTURE EVEN WITH BOTTOM OF STRUCTURAL BEAMS.
5. ALL LUMINAIRE TYPE LN-3 AND LN-3.1 ON THIS SHEET RIGID PENDANT MOUNTED WITH BOTTOM OF FIXTURE EVEN WITH BOTTOM OF STRUCTURAL BEAMS.
6. COMBINE CONDUCTORS INTO A SINGLE 1" CONDUIT. INCLUDE ONLY ONE EQUIPMENT GROUND MATCHING THE SIZE OF THE LARGEST EQUIPMENT GROUND OF THE CIRCUITS WITHIN THE SAME CONDUIT. EQUIPMENT GROUND SIZES ARE INDICATED ON F1592-EPS950, F1592-EPS951, AND F1592-EPS952.





N

2' 0' 8' 16' 32'

SCALE IN FEET

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FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	AH	TT	TT	RECORD DRAWINGS

DESIGNED BY: A. HARTWOOD
DRAWN BY: S. TUTHILL
CHECKED BY: T. THAYER
APPROVED BY: T. THAYER

RUSHING Engineering - Essentials - Delivery
SUBMITTED BY: SARA ROBERTS

HENSEL PHELPS Plan. Build. Manage.
kpff
DATE: 10/26/2022

REVIEWED BY: GREG SHIMIZU
DATE: 10/26/2022

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT

SCALE: 1/16" = 1'-0"
FILENAME: S317-F1592-E_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
ELECTRICAL
LIGHTING PLAN
LEVEL 1 - OVERALL

DRAWING No.: F1592-ELP101
FACILITY ID: F1592
SHEET No.: 519
REV.: 0

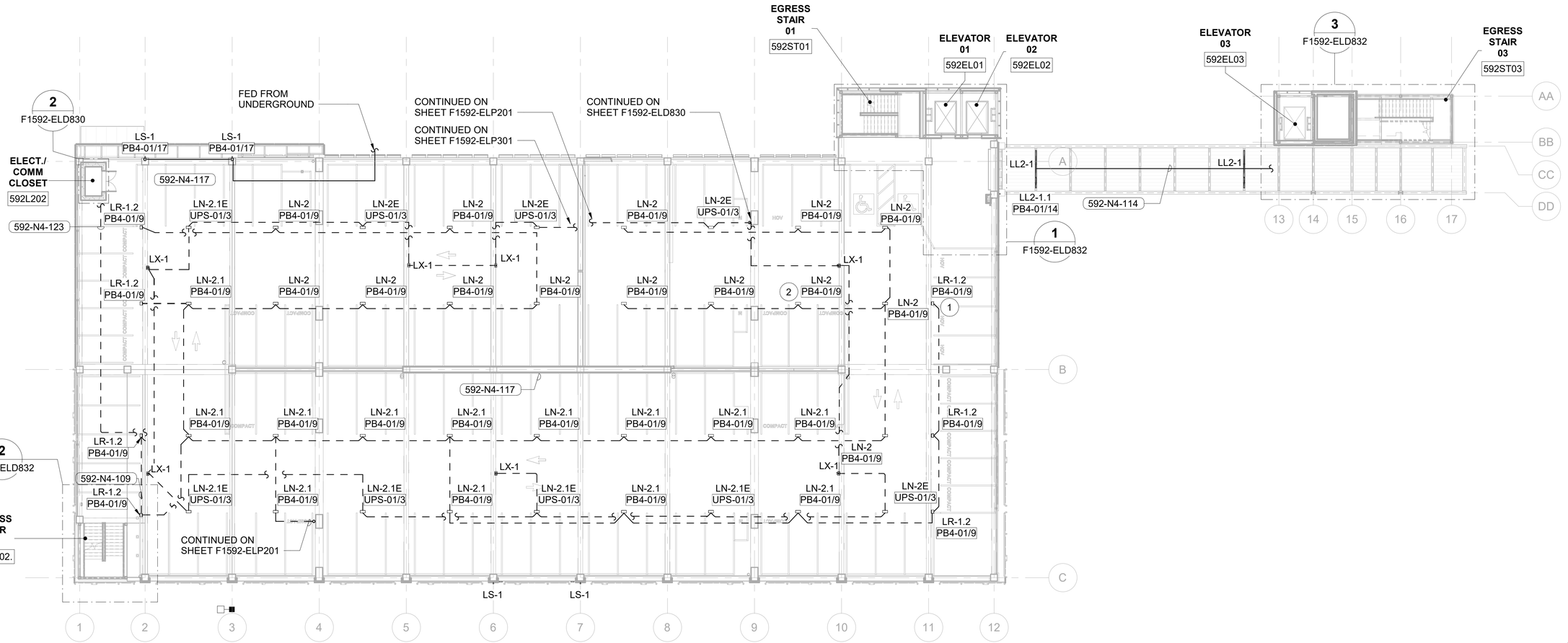
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GENERAL NOTES:

1. EQUIPMENT WITHIN ANCILLARY ROOM TO BE ROUTED WITH CONDUIT PER CONDUIT AND CONDUCTOR SCHEDULE F1592-EPS950, F1592-EPS951, AND F1592-EPS952.
2. LIGHTING CONTROLS PER SHEET F1592-ELS930.
3. SEE SHEETS F1592-ELS900 AND F1592-ELS901 FOR LUMINAIRE SCHEDULES.
4. CONDUIT PATHS ARE SHOWN DIAGRAMMATICALLY, CONTRACTOR SHALL REROUTE TO AVOID OBSTACLES IN THE FIELD. IT IS ACCEPTABLE TO OPTIMIZE INSTALLATION.
5. REFER TO CONDUIT AND CONDUCTOR SCHEDULE ON F1592-EPS950, F1592-EPS951, AND F1592-EPS952 FOR CONDUIT AND WIRE SIZES.
6. 3/4" CONDUIT SHOWN IS EMBEDDED IN SLAB, PER STRUCTURAL DETAILS, ABOVE UNLESS OTHERWISE NOTED.
7. ALL CONDUIT IN PUBLIC SPACES IS HIDDEN OR EMBEDDED, PER STRUCTURAL DETAILS, UNLESS OTHERWISE NOTED.
8. ALL ANCILLARY LIGHTING MOUNTED 8'-0" AFF UNLESS OTHERWISE NOTED.
9. EXTERIOR WALL MOUNT LUMINAIRE MOUNTING HEIGHTS NOTED ON SHEETS F1592-ELX100 AND F1592-ELX101.
10. ALL LIGHTING CONDUIT SHALL BE EMBEDDED IN THE SLAB ABOVE. CEILING MOUNTED LIGHT FIXTURES SHALL BE MOUNTED TO A FLUSH MOUNTED J-BOX IN THE SLAB.

CONSTRUCTION NOTES:

1. ALL LUMINAIRE TYPE LR-1.2 MOUNTED TO SIDE OF BEAM.
2. ALL LUMINAIRE TYPE LN-2 AND LN-2.1 ON THIS SHEET RIGID PENDANT MOUNTED WITH BOTTOM OF FIXTURE EVEN WITH BOTTOM OF STRUCTURAL BEAMS.
3. COMBINE CONDUCTORS INTO A SINGLE 1" CONDUIT. INCLUDE ONLY ONE EQUIPMENT GROUND MATCHING THE SIZE OF THE LARGEST EQUIPMENT GROUND OF THE CIRCUITS WITHIN THE SAME CONDUIT. EQUIPMENT GROUND SIZES ARE INDICATED ON F1592-EPS950, F1592-EPS951, AND F1592-EPS952.





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DESIGNED BY: A. HARTWOOD
DRAWN BY: S. TUTHILL
CHECKED BY: T. THAYER
APPROVED BY: T. THAYER

RUSHING Engineering - Essentials - Delivery
SUBMITTED BY: SARA ROBERTS

HENSEL PHELPS Plan. Build. Manage. kpff
DATE: 10/26/2022
REVIEWED BY: GREG SHIMIZU

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT
DATE: 10/26/2022

SCALE: 1/16" = 1'-0"
FILENAME: S317-F1592-E_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
ELECTRICAL
LIGHTING PLAN
LEVEL 2 - OVERALL

DRAWING No.: F1592-ELP201
FACILITY ID: F1592
SHEET No.: 520
REV.: 0

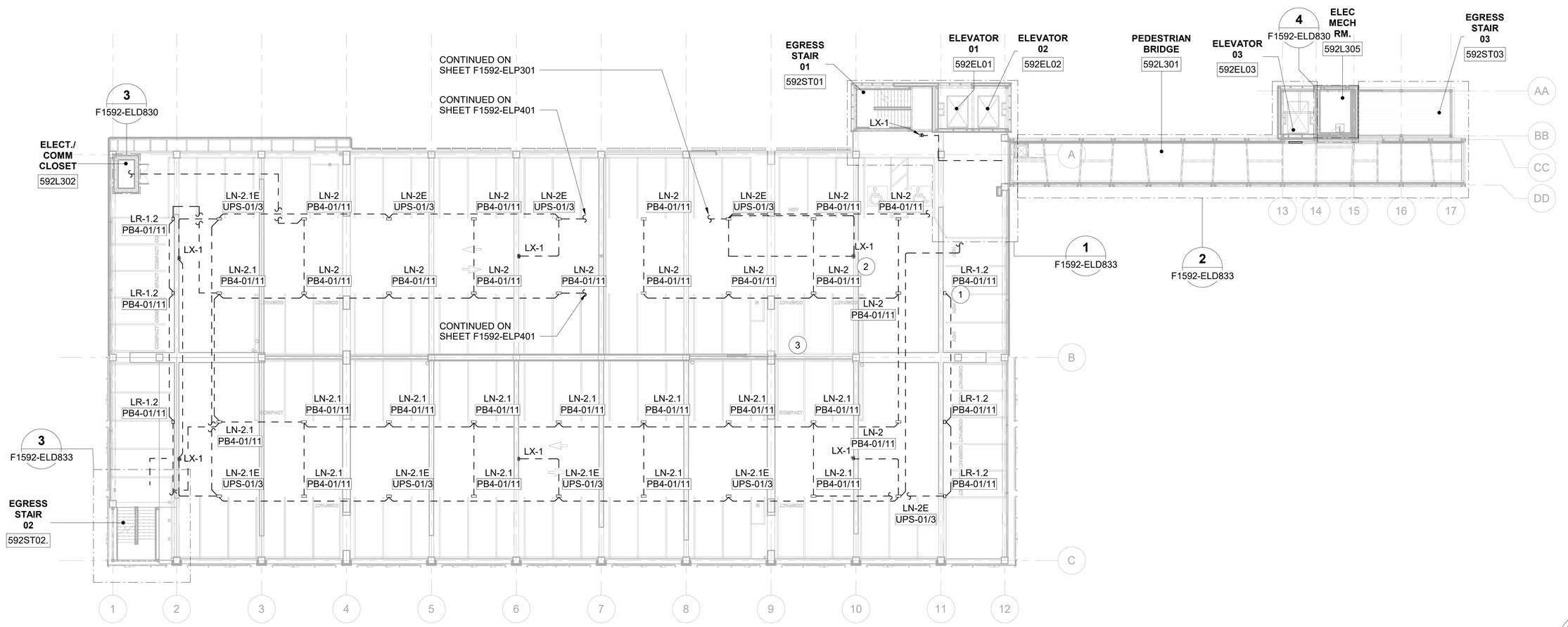
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GENERAL NOTES:

1. EQUIPMENT WITHIN ANCILLARY ROOM TO BE ROUTED WITH CONDUIT PER CONDUIT AND CONDUCTOR SCHEDULE F1592-EPS950, F1592-EPS951, AND F1592-EPS952.
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6. 3/4" CONDUIT SHOWN IS EMBEDDED IN SLAB, PER STRUCTURAL DETAILS, ABOVE UNLESS OTHERWISE NOTED.
7. ALL CONDUIT IN PUBLIC SPACES IS HIDDEN OR EMBEDDED, PER STRUCTURAL DETAILS, UNLESS OTHERWISE NOTED.
8. ALL ANCILLARY LIGHTING MOUNTED 8'-0" AFF UNLESS OTHERWISE NOTED.
9. EXTERIOR WALL MOUNT LUMINAIRE MOUNTING HEIGHTS NOTED ON SHEETS F1592-ELX100 AND F1592-ELX101.
10. ALL LIGHTING CONDUIT SHALL BE EMBEDDED IN THE SLAB ABOVE. CEILING MOUNTED LIGHT FIXTURES SHALL BE MOUNTED TO A FLUSH MOUNTED J-BOX IN THE SLAB.

CONSTRUCTION NOTES:

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2. ALL LUMINAIRE TYPE LN-2 AND LN-2.1 ON THIS SHEET RIGID PENDANT MOUNTED WITH BOTTOM OF FIXTURE EVEN WITH BOTTOM OF STRUCTURAL BEAMS.
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N

2' 0' 8' 16' 32'

SCALE IN FEET

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DRAWN BY: S. TUTHILL
CHECKED BY: T. THAYER
APPROVED BY: T. THAYER

RUSHING Engineering - Essentials - Delivery
SUBMITTED BY: SARA ROBERTS
DATE: 10/26/2022

HENSEL PHELPS Plan. Build. Manage.
kpff
REVIEWED BY: GREG SHIMIZU
DATE: 10/26/2022

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT
SUBMITTAL DATE: 10/26/2022

SCALE: 1/16" = 1'-0"
FILENAME: S317-F1592-E_v2020
CONTRACT No.: RTA/CN 0612-18

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS

ELECTRICAL
LIGHTING PLAN
LEVEL 3 - OVERALL

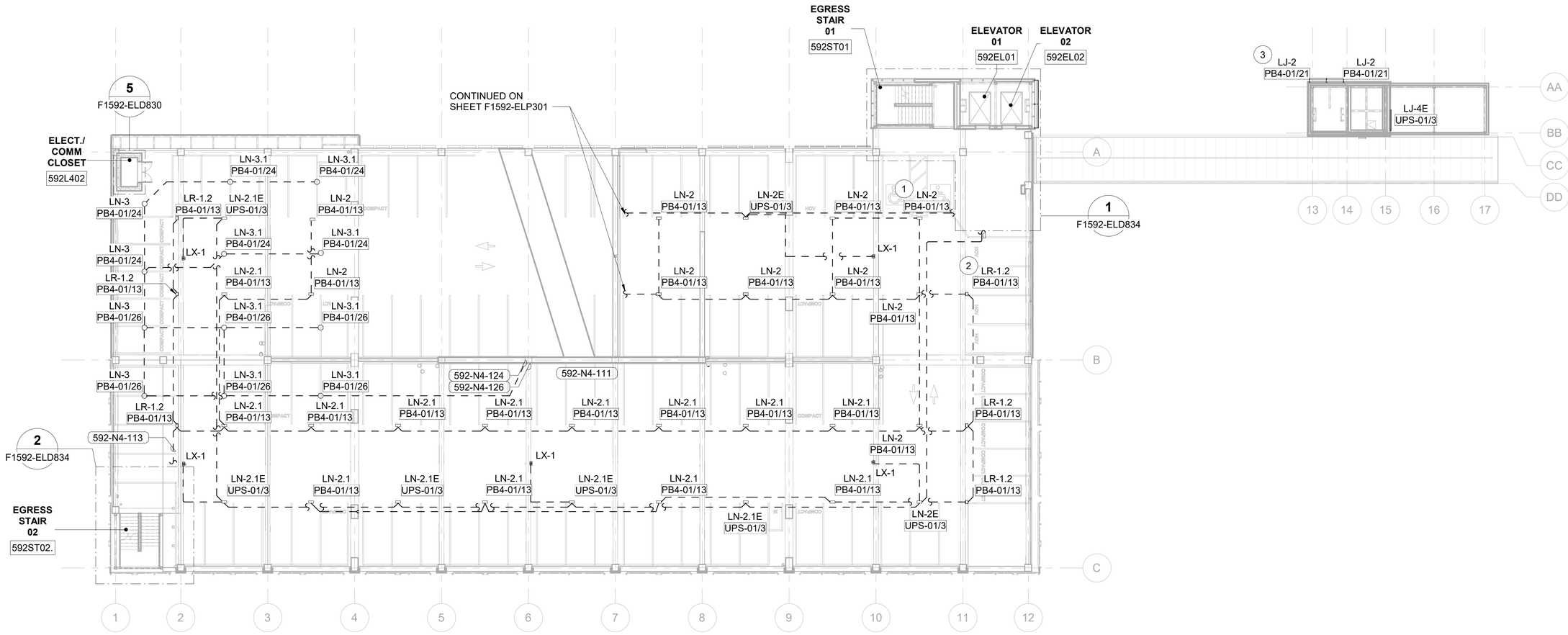
DRAWING No.: F1592-ELP301
FACILITY ID: F1592
SHEET No.: 521
REV.: 0

GENERAL NOTES:

1. EQUIPMENT WITHIN ANCILLARY ROOM TO BE ROUTED WITH CONDUIT PER CONDUIT AND CONDUCTOR SCHEDULE F1592-EPS950, F1592-EPS951, AND F1592-EPS952.
2. LIGHTING CONTROLS PER SHEET F1592-ELS930.
3. SEE SHEETS F1592-ELS900 AND F1592-ELS901 FOR LUMINAIRE SCHEDULES.
4. CONDUIT PATHS ARE SHOWN DIAGRAMMATICALLY, CONTRACTOR SHALL REROUTE TO AVOID OBSTACLES IN THE FIELD. IT IS ACCEPTABLE TO OPTIMIZE INSTALLATION.
5. REFER TO CONDUIT AND CONDUCTOR SCHEDULE ON F1592-EPS950, F1592-EPS951, AND F1592-EPS952 FOR CONDUIT AND WIRE SIZES.
6. 3/4" CONDUIT SHOWN IS EMBEDDED IN SLAB, PER STRUCTURAL DETAILS, ABOVE UNLESS OTHERWISE NOTED.
7. ALL CONDUIT IN PUBLIC SPACES IS HIDDEN OR EMBEDDED, PER STRUCTURAL DETAILS, UNLESS OTHERWISE NOTED.
8. ALL ANCILLARY LIGHTING MOUNTED 8'-0" AFF UNLESS OTHERWISE NOTED.
9. EXTERIOR WALL MOUNT LUMINAIRE MOUNTING HEIGHTS NOTED ON SHEETS F1592-ELX100 AND F1592-ELX101.
10. ALL LIGHTING CONDUIT SHALL BE EMBEDDED IN THE SLAB ABOVE. CEILING MOUNTED LIGHT FIXTURES SHALL BE MOUNTED TO A FLUSH MOUNTED J-BOX IN THE SLAB.

CONSTRUCTION NOTES:

1. ALL LUMINAIRE TYPE LN-2 AND LN-2.1 ON THIS SHEET RIGID PENDANT MOUNTED WITH BOTTOM OF FIXTURE EVEN WITH BOTTOM OF STRUCTURAL BEAMS.
2. ALL LUMINAIRE TYPE LR-1.2 MOUNTED TO SIDE OF BEAM.
3. ART LIGHTING LJ-2 AND LJ-2.1 NOT IN CONTRACT. SHOWING FOR WATTAGE ALLOWANCE AND CIRCUITING ONLY.
4. COMBINE CONDUCTORS INTO A SINGLE 1" CONDUIT. INCLUDE ONLY ONE EQUIPMENT GROUND MATCHING THE SIZE OF THE LARGEST EQUIPMENT GROUND OF THE CIRCUITS WITHIN THE SAME CONDUIT. EQUIPMENT GROUND SIZES ARE INDICATED ON F1592-EPS950, F1592-EPS951, AND F1592-EPS952.





DESIGN RECORD DRAWING UPDATES ARE BASED ON CONTRACTOR'S REDLINES. THE ITEMS AS SHOWN HAVE NOT BEEN INDEPENDENTLY VERIFIED BY RUSHING.

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	AH	TT	TT	RECORD DRAWINGS

DESIGNED BY: A. HARTWOOD
DRAWN BY: S. TUTHILL
CHECKED BY: T. THAYER
APPROVED BY: T. THAYER

RUSHING Engineering – Essentials – Delivery
SUBMITTED BY: SARA ROBERTS
DATE: 10/26/2022

HENSEL PHELPS Plan. Build. Manage.
kpff
REVIEWED BY: GREG SHIMIZU
DATE: 10/26/2022

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT
SCALE: 1/16" = 1'-0"
FILENAME: S317-F1592-E_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
ELECTRICAL
LIGHTING PLAN
LEVEL 4 - OVERALL

DRAWING No.: F1592-ELP401
FACILITY ID: F1592
SHEET No.: 522
REV.: 0

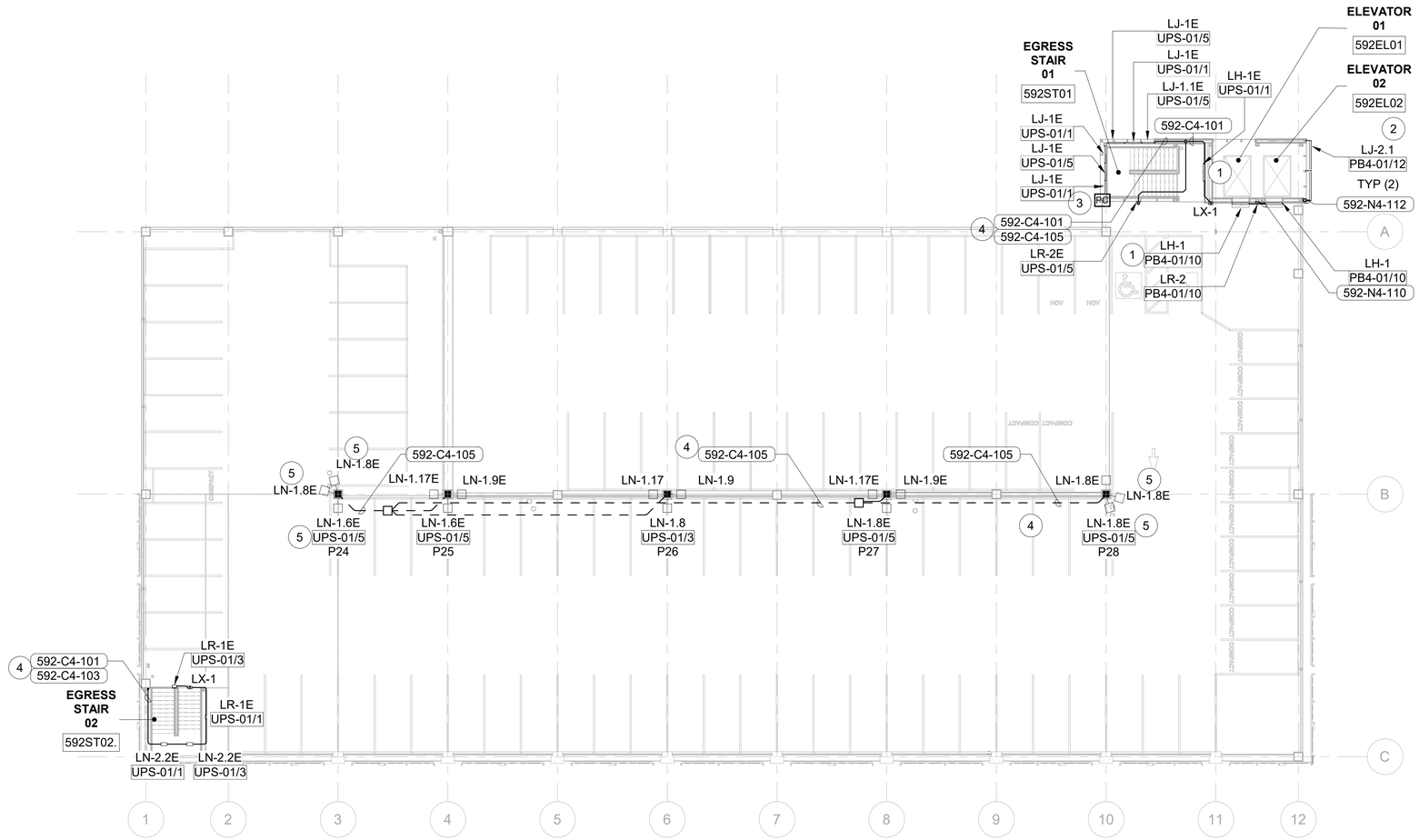
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GENERAL NOTES:

1. EQUIPMENT WITHIN ANCILLARY ROOM TO BE ROUTED WITH CONDUIT PER CONDUIT AND CONDUCTOR SCHEDULE F1592-EPS950, F1592-EPS951, AND F1592-EPS952.
2. LIGHTING CONTROLS PER SHEET F1592-ELS930.
3. SEE SHEETS F1592-ELS900 AND F1592-ELS901 FOR LUMINAIRE SCHEDULES.
4. CONDUIT PATHS ARE SHOWN DIAGRAMMATICALLY, CONTRACTOR SHALL REROUTE TO AVOID OBSTACLES IN THE FIELD. IT IS ACCEPTABLE TO OPTIMIZE INSTALLATION.
5. REFER TO CONDUIT AND CONDUCTOR SCHEDULE ON F1592-EPS950, F1592-EPS951, AND F1592-EPS952 FOR CONDUIT AND WIRE SIZES.
6. 3/4" CONDUIT SHOWN IS EMBEDDED IN SLAB, PER STRUCTURAL DETAILS, ABOVE UNLESS OTHERWISE NOTED.
7. ALL CONDUIT IN PUBLIC SPACES IS HIDDEN OR EMBEDDED, PER STRUCTURAL DETAILS, UNLESS OTHERWISE NOTED.
8. ALL ANCILLARY LIGHTING MOUNTED 8'-0" AFF UNLESS OTHERWISE NOTED.
9. EXTERIOR WALL MOUNT LUMINAIRE MOUNTING HEIGHTS NOTED ON SHEETS F1592-ELX100 AND F1592-ELX101.
10. ALL LIGHTING CONDUIT SHALL BE EMBEDDED IN THE SLAB ABOVE. CEILING MOUNTED LIGHT FIXTURES SHALL BE MOUNTED TO A FLUSH MOUNTED J-BOX IN THE SLAB.
11. POLE SCHEDULE LOCATED ON SHEET F1592-ELS902.

CONSTRUCTION NOTES:

1. ALL LUMINAIRE TYPE LH-1 ON THIS SHEET WALL MOUNTED AT 9-0" AFF.
2. ART LIGHTING LJ-2 AND LJ-2.1 NOT IN CONTRACT. SHOWING FOR WATTAGE ALLOWANCE AND CIRCUITING ONLY.
3. PHOTOCELL MOUNTED TO TOP SIDE OF STAIR ROOF.
4. COMBINE CONDUCTORS INTO A SINGLE 1" CONDUIT. INCLUDE ONLY ONE EQUIPMENT GROUND MATCHING THE SIZE OF THE LARGEST EQUIPMENT GROUND OF THE CIRCUITS WITHIN THE SAME CONDUIT. EQUIPMENT GROUND SIZES ARE INDICATED ON F1592-EPS950, F1592-EPS951, AND F1592-EPS952.
5. THE LN-1.6E AND LN-1.8E POLE HEAD LUMINARIES INIDICATED WILL BE PROVIDED WITH A CUSTOM 2'-0" ARM BRACKET.





2' 0' 8' 16' 32'

SCALE IN FEET

DESIGN RECORD DRAWING UPDATES ARE BASED ON CONTRACTOR'S REDLINES. THE ITEMS AS SHOWN HAVE NOT BEEN INDEPENDENTLY VERIFIED BY RUSHING.

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	AH	TT	TT	RECORD DRAWINGS

DESIGNED BY: A. HARTWOOD
DRAWN BY: S. TUTHILL
CHECKED BY: T. THAYER
APPROVED BY: T. THAYER

RUSHING Engineering - Essentials - Delivery
SUBMITTED BY: SARA ROBERTS

HENSEL PHELPS Plan. Build. Manage.
kpff
DATE: 10/26/2022
REVIEWED BY: GREG SHIMIZU

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT
DATE: 10/26/2022

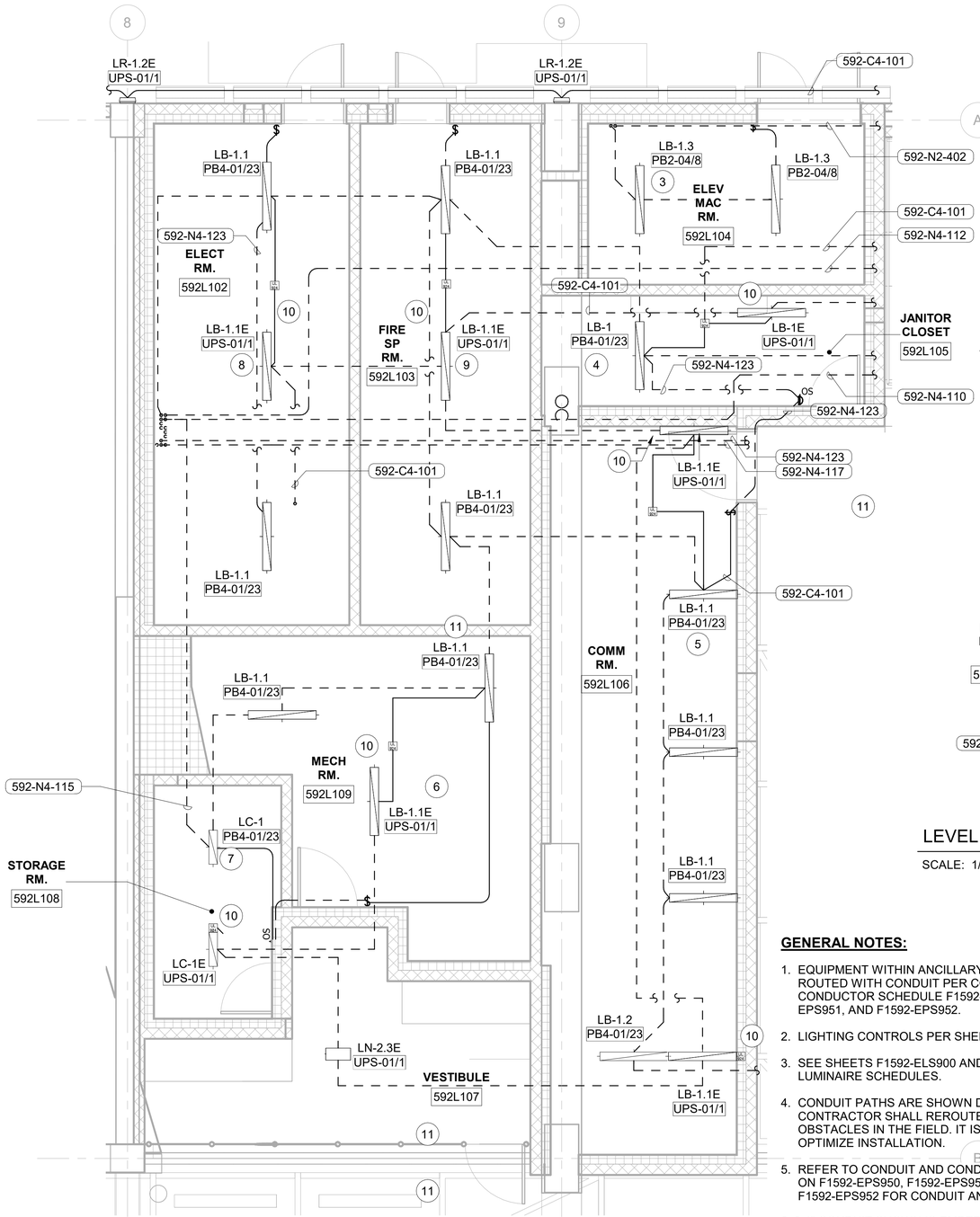
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FILENAME: S317-F1592-E_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS

ELECTRICAL
LIGHTING PLAN
LEVEL 5 - OVERALL

DRAWING No.: F1592-ELP501
FACILITY ID: F1592
SHEET No.: 523
REV.: 0

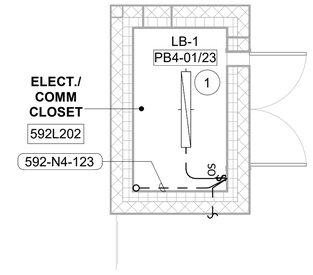
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LEVEL 1 ANCILLARY ROOMS ENLARGED

SCALE: 1/4" = 1'-0"

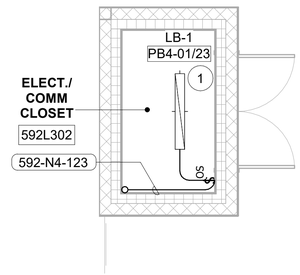
F1592-ELP101



LEVEL 2 ELEC/COMM CLOSET ENLARGED

SCALE: 1/4" = 1'-0"

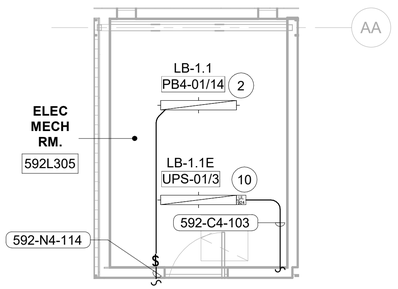
F1592-ELP201



LEVEL 3 ELEC/COMM CLOSET ENLARGED

SCALE: 1/4" = 1'-0"

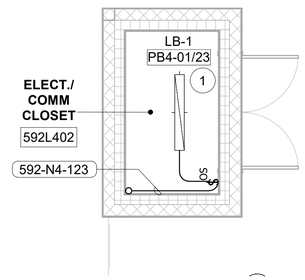
F1592-ELP301



LEVEL 3 ELEC/MECH ROOM ENLARGED

SCALE: 1/4" = 1'-0"

F1592-ELD833



LEVEL 4 ELEC/COMM CLOSET ENLARGED

SCALE: 1/4" = 1'-0"

F1592-ELP401

GENERAL NOTES:

1. EQUIPMENT WITHIN ANCILLARY ROOM TO BE ROUTED WITH CONDUIT PER CONDUIT AND CONDUCTOR SCHEDULE F1592-EPS950, F1592-EPS951, AND F1592-EPS952.
2. LIGHTING CONTROLS PER SHEET F1592-ELS930.
3. SEE SHEETS F1592-ELS900 AND F1592-ELS901 FOR LUMINAIRE SCHEDULES.
4. CONDUIT PATHS ARE SHOWN DIAGRAMMATICALLY, CONTRACTOR SHALL REROUTE TO AVOID OBSTACLES IN THE FIELD. IT IS ACCEPTABLE TO OPTIMIZE INSTALLATION.
5. REFER TO CONDUIT AND CONDUCTOR SCHEDULE ON F1592-EPS950, F1592-EPS951, AND F1592-EPS952 FOR CONDUIT AND WIRE SIZES.
6. 3/4" CONDUIT SHOWN IS EMBEDDED IN SLAB, PER STRUCTURAL DETAILS, ABOVE UNLESS OTHERWISE NOTED.
7. ALL CONDUIT IN PUBLIC SPACES IS HIDDEN OR , PER STRUCTURAL DETAILS, UNLESS OTHERWISE NOTED.
8. ALL ANCILLARY LIGHTING MOUNTED 8'-0" AFF UNLESS OTHERWISE NOTED.
9. EXTERIOR WALL MOUNT LUMINAIRE MOUNTING HEIGHTS NOTED ON SHEETS F1592-ELX100 AND F1592-ELX101.
10. ALL LIGHTING CONDUIT SHALL BE EMBEDDED IN THE SLAB ABOVE. CEILING MOUNTED LIGHT FIXTURES SHALL BE MOUNTED TO A FLUSH MOUNTED J-BOX IN THE SLAB.

CONSTRUCTION NOTES:

1. ALL LUMINAIRE TYPE LB-1 IN ELECT/COMM CLOSET TO BE PENDANT MOUNTED AT 9-0" AFF.
2. ALL LUMINAIRE TYPE LB-1.1 IN ELEC MECH ROOM TO BE PENDANT MOUNTED AT 7'-10" AFF.
3. ALL LUMINAIRE TYPE LB-1.3 IN ELEV MACHINE ROOM TO BE PENDANT MOUNTED AT 7'-4" AFF.
4. ALL LUMINAIRE TYPE LB-1 IN JANITOR ROOM TO BE PENDANT MOUNTED AT 8'-6" AFF.
5. ALL LUMINAIRE TYPE LB-1 IN COMM ROOM TO BE PENDANT MOUNTED AT 8'-1" AFF.
6. ALL LUMINAIRE TYPE LB-1 IN MECH ROOM TO BE PENDANT MOUNTED AT 5'-10" AFF.
7. ALL LUMINAIRE TYPE LB-1.1 IN STORAGE ROOM TO BE PENDANT MOUNTED AT 7'-11" AFF.
8. ALL LUMINAIRE TYPE LB-1 IN ELEC ROOM TO BE PENDANT MOUNTED AT 5'-10" AFF.
9. ALL LUMINAIRE TYPE LB-1 IN FIRE SP ROOM TO BE PENDANT MOUNTED AT 6'-4" AFF.
10. PROVIDE CONDUIT AND WIRE FOR CONTROL CONNECTIONS TO UL924 DEVICE PER DETAILS ON F1592-ELS930 - CONTROL DIAGRAM AND MANUFACTURER INSTRUCTIONS.
11. COMBINE CONDUCTORS INTO A SINGLE 1" CONDUIT. INCLUDE ONLY ONE EQUIPMENT GROUND MATCHING THE SIZE OF THE LARGEST EQUIPMENT GROUND OF THE CIRCUITS WITHIN THE SAME CONDUIT. EQUIPMENT GROUND SIZES ARE INDICATED ON F1592-EPS950, F1592-EPS951, AND F1592-EPS952.

N

1' 0 2' 4' 8'

SCALE IN FEET

DESIGN RECORD DRAWING UPDATES ARE BASED ON CONTRACTOR'S REDLINES. THE ITEMS AS SHOWN HAVE NOT BEEN INDEPENDENTLY VERIFIED BY RUSHING.

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	AH	TT	TT	RECORD DRAWINGS

DESIGNED BY: A. HARTWOOD
DRAWN BY: S. TUTHILL
CHECKED BY: T. THAYER
APPROVED BY: T. THAYER

RUSHING Engineering - Essentials - Delivery

HENSEL PHELPS Plan. Build. Manage.

kpff

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT

SUBMITTED BY: SARA ROBERTS
DATE: 10/26/2022
REVIEWED BY: GREG SHIMIZU
DATE: 10/26/2022

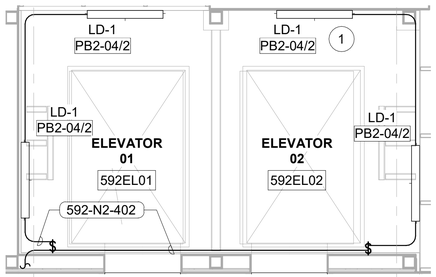
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CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS

ELECTRICAL
LIGHTING
ENLARGED PLANS

DRAWING No.: F1592-ELD830
FACILITY ID: F1592
SHEET No.: 524
REV.: 0

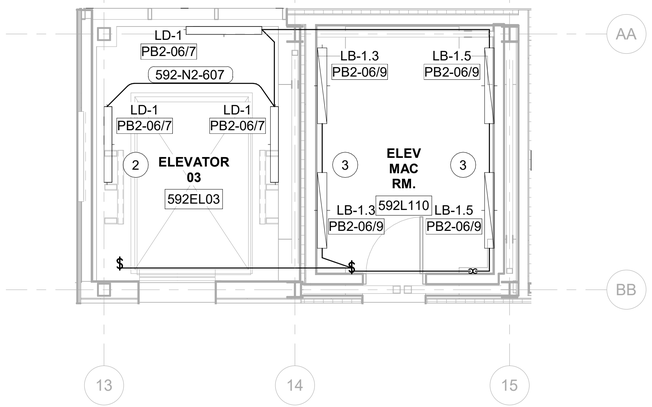
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ELEVATOR 01 & 02 PIT ENLARGED

SCALE: 1/4" = 1'-0"

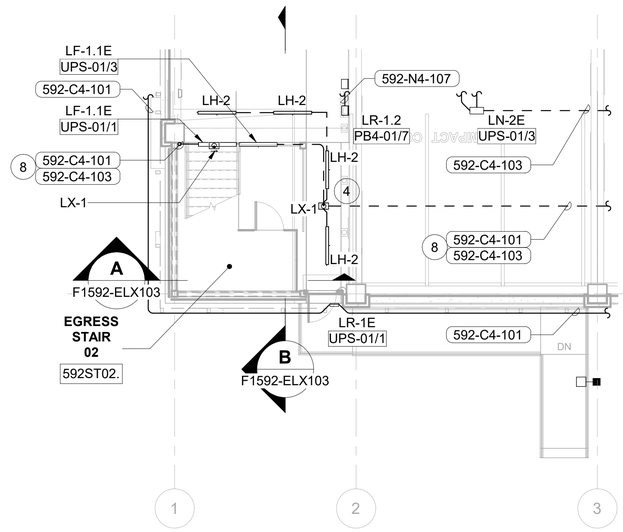
1 F1592-ELP101



ELEVATOR MACH RM & ELEVATOR 03 PIT

SCALE: 1/4" = 1'-0"

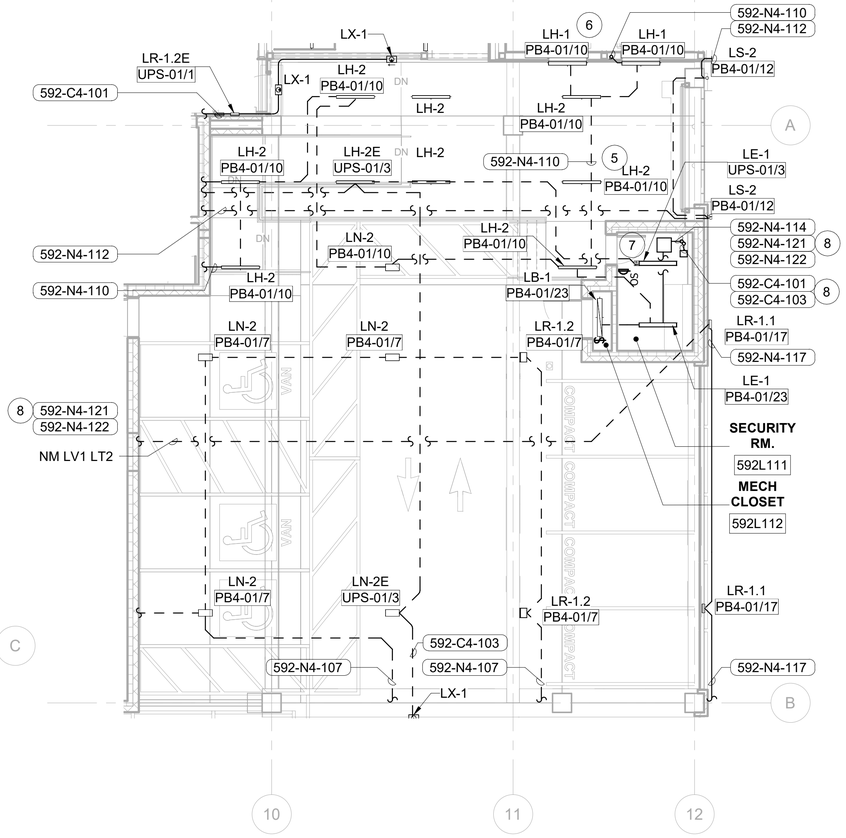
2 F1592-ELP101



LEVEL 1 SW PARKING GARAGE

SCALE: 1/8" = 1'-0"

3 F1592-ELP101



LEVEL 1 NE PARKING GARAGE

SCALE: 1/8" = 1'-0"

4 F1592-ELP101

GENERAL NOTES:

1. EQUIPMENT WITHIN ANCILLARY ROOM TO BE ROUTED WITH CONDUIT PER CONDUIT AND CONDUCTOR SCHEDULE F1592-EPS950, F1592-EPS951, AND F1592-EPS952.
2. LIGHTING CONTROLS PER SHEET F1592-ELS930.
3. SEE SHEETS F1592-ELS900 AND F1592-ELS901 FOR LUMINAIRE SCHEDULES.
4. CONDUIT PATHS ARE SHOWN DIAGRAMMATICALLY, CONTRACTOR SHALL REROUTE TO AVOID OBSTACLES IN THE FIELD. IT IS ACCEPTABLE TO OPTIMIZE INSTALLATION.
5. REFER TO CONDUIT AND CONDUCTOR SCHEDULE ON F1592-EPS950, F1592-EPS951, AND F1592-EPS952 FOR CONDUIT AND WIRE SIZES.
6. 3/4" CONDUIT SHOWN IS EMBEDDED IN SLAB, PER STRUCTURAL DETAILS, ABOVE UNLESS OTHERWISE NOTED.
7. ALL CONDUIT IN PUBLIC SPACES IS HIDDEN OR EMBEDDED, PER STRUCTURAL DETAILS, UNLESS OTHERWISE NOTED.
8. ALL ANCILLARY LIGHTING MOUNTED 8'-0" AFF UNLESS OTHERWISE NOTED.
9. EXTERIOR WALL MOUNT LUMINAIRE MOUNTING HEIGHTS NOTED ON SHEETS F1592-ELX100 AND F1592-ELX101.
10. ALL LIGHTING CONDUIT SHALL BE EMBEDDED IN THE SLAB ABOVE. CEILING MOUNTED LIGHT FIXTURES SHALL BE MOUNTED TO A FLUSH MOUNTED J-BOX IN THE SLAB.

CONSTRUCTION NOTES:

1. ALL LUMINAIRE TYPE LD-1 IN ELEVATOR PIT 01 AND 02 TO BE WALL MOUNTED AT 5'-0" AFF TO COORDINATE WITH MISCELLANEOUS ELEVATOR PIT EQUIPMENT.
2. ALL LUMINAIRE TYPE LD-1 IN ELEVATOR PIT 03 TO BE WALL MOUNTED AT 5'-0" AFF TO COORDINATE WITH MISCELLANEOUS ELEVATOR PIT EQUIPMENT.
3. ALL LUMINAIRE TYPE LB-1.3 AND LB-1.5 IN ELEVATOR MACH ROOM TO BE WALL MOUNTED AT 7'-7" AFF.
4. PROVIDE EXIT SIGN WITH RIGID STEM MOUNTING WITH BOTTOM TOP OF SIGN EVEN WITH BOTTOM OF STRUCTURAL BEAM.
5. ALL LUMINAIRE TYPE LH-2 ON THIS SHEET RIGID PENDANT MOUNTED WITH BOTTOM OF FIXTURE EVEN WITH BOTTOM OF STRUCTURAL BEAMS.
6. ALL LUMINAIRE TYPE LH-1 ON THIS SHEET WALL MOUNTED AT 9-0" AFF UNLESS OTHERWISE NOTED.
7. PROVIDE CONDUIT AND WIRE FOR CONTROL CONNECTIONS TO UL924 DEVICE PER DETAILS ON F1592-ELS930 - CONTROL DIAGRAM AND MANUFACTURER INSTRUCTIONS.
8. COMBINE CONDUCTORS INTO A SINGLE 1" CONDUIT. INCLUDE ONLY ONE EQUIPMENT GROUND MATCHING THE SIZE OF THE LARGEST EQUIPMENT GROUND OF THE CIRCUITS WITHIN THE SAME CONDUIT. EQUIPMENT GROUND SIZES ARE INDICATED ON F1592-EPS950, F1592-EPS951, AND F1592-EPS952.

DESIGN RECORD DRAWING UPDATES ARE BASED ON CONTRACTOR'S REDLINES. THE ITEMS AS SHOWN HAVE NOT BEEN INDEPENDENTLY VERIFIED BY RUSHING.

N

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	AH	TT	TT	RECORD DRAWINGS

DESIGNED BY: A. HARTWOOD
DRAWN BY: S. TUTHILL
CHECKED BY: T. THAYER
APPROVED BY: T. THAYER

RUSHING Engineering - Essentials - Delivery
HENSEL PHELPS Plan. Build. Manage.
kpff
LINE IS 1" AT FULL SCALE
SOUNDTRANSIT

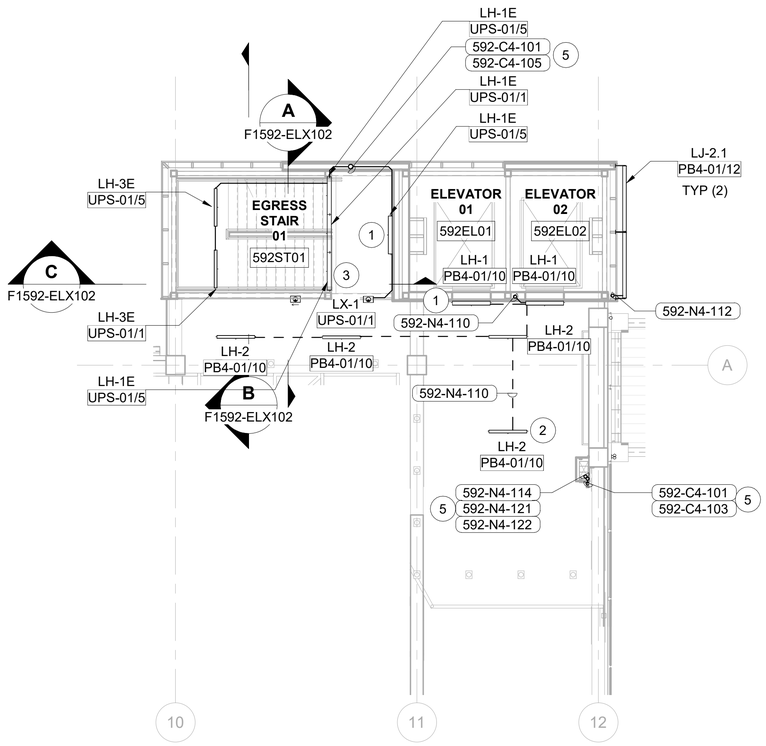
SUBMITTED BY: SARA ROBERTS
DATE: 10/26/2022
REVIEWED BY: GREG SHIMIZU
DATE: 10/26/2022

SCALE: AS NOTED
FILENAME: S317-F1592-E_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
ELECTRICAL
LIGHTING
ENLARGED PLANS

DRAWING No.: F1592-ELD831
FACILITY ID: F1592
SHEET No: 525
REV: 0

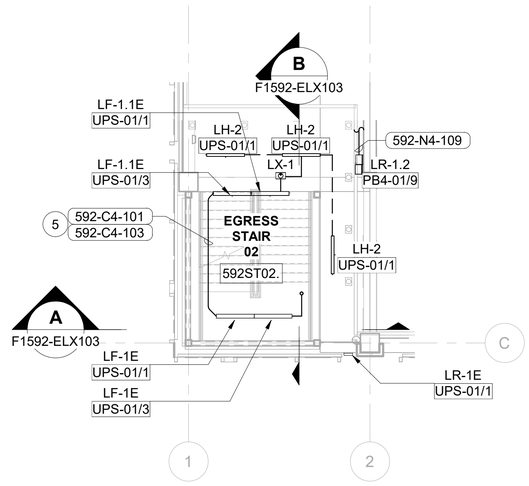
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LEVEL 2 NE PARKING GARAGE

SCALE: 1/8" = 1'-0"

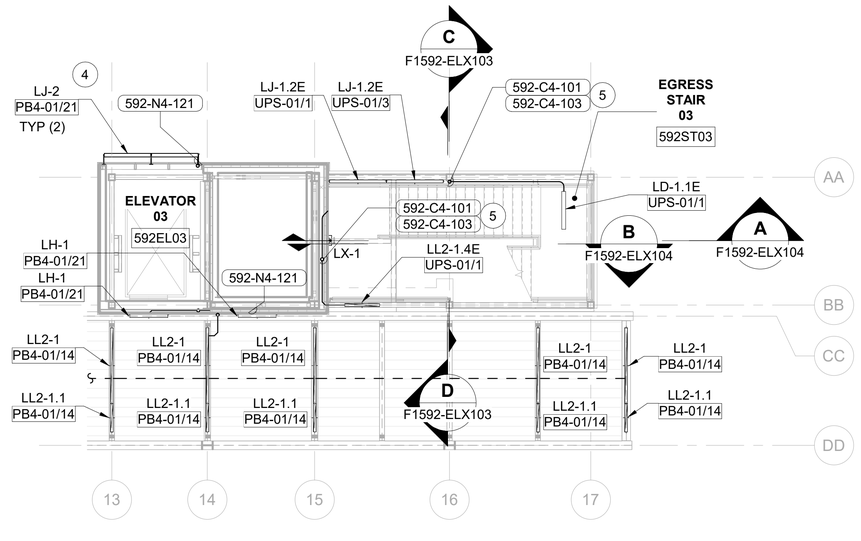
1 F1592-ELP201



LEVEL 2 SW PARKING GARAGE

SCALE: 1/8" = 1'-0"

2 F1592-ELP201



LEVEL 2 EAST ABUTMENT

SCALE: 1/8" = 1'-0"

3 F1592-ELP201

GENERAL NOTES:

1. EQUIPMENT WITHIN ANCILLARY ROOM TO BE ROUTED WITH CONDUIT PER CONDUIT AND CONDUCTOR SCHEDULE F1592-EPS950, F1592-EPS951, AND F1592-EPS952.
2. LIGHTING CONTROLS PER SHEET F1592-ELS930.
3. SEE SHEETS F1592-ELS900 AND F1592-ELS901 FOR LUMINAIRE SCHEDULES.
4. CONDUIT PATHS ARE SHOWN DIAGRAMMATICALLY, CONTRACTOR SHALL REROUTE TO AVOID OBSTACLES IN THE FIELD. IT IS ACCEPTABLE TO OPTIMIZE INSTALLATION.
5. REFER TO CONDUIT AND CONDUCTOR SCHEDULE ON F1592-EPS950, F1592-EPS951, AND F1592-EPS952 FOR CONDUIT AND WIRE SIZES.
6. 3/4" CONDUIT SHOWN IS EMBEDDED IN SLAB, PER STRUCTURAL DETAILS, ABOVE UNLESS OTHERWISE NOTED.
7. ALL CONDUIT IN PUBLIC SPACES IS HIDDEN OR EMBEDDED, PER STRUCTURAL DETAILS, UNLESS OTHERWISE NOTED.
8. ALL ANCILLARY LIGHTING MOUNTED 8'-0" AFF UNLESS OTHERWISE NOTED.
9. EXTERIOR WALL MOUNT LUMINAIRE MOUNTING HEIGHTS NOTED ON SHEETS F1592-ELX100 AND F1592-ELX101.
10. ALL LIGHTING CONDUIT SHALL BE EMBEDDED IN THE SLAB ABOVE. CEILING MOUNTED LIGHT FIXTURES SHALL BE MOUNTED TO A FLUSH MOUNTED J-BOX IN THE SLAB.

CONSTRUCTION NOTES:

1. ALL LUMINAIRE TYPE LH-1 ON THIS SHEET WALL MOUNTED AT 9-0" AFF UNLESS OTHERWISE NOTED.
2. ALL LUMINAIRE TYPE LH-2 ON THIS SHEET RIGID PENDANT MOUNTED WITH BOTTOM OF FIXTURE EVEN WITH BOTTOM OF STRUCTURAL BEAMS.
3. LUMINAIRE TYPE LH-1 RIGID PENDANT MOUNTED TO UNDERSIDE OF BEAM AND STAIR.
4. ART LIGHTING LJ-2 AND LJ-2.1 NOT IN CONTRACT. SHOWING FOR WATTAGE ALLOWANCE AND CIRCUITING ONLY.
5. COMBINE CONDUCTORS INTO A SINGLE 1" CONDUIT. INCLUDE ONLY ONE EQUIPMENT GROUND MATCHING THE SIZE OF THE LARGEST EQUIPMENT GROUND OF THE CIRCUITS WITHIN THE SAME CONDUIT. EQUIPMENT GROUND SIZES ARE INDICATED ON F1592-EPS950, F1592-EPS951, AND F1592-EPS952.

N

1' 0 2' 4' 8'

SCALE IN FEET

DESIGN RECORD DRAWING UPDATES ARE BASED ON CONTRACTOR'S REDLINES. THE ITEMS AS SHOWN HAVE NOT BEEN INDEPENDENTLY VERIFIED BY RUSHING.

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	AH	TT	TT	RECORD DRAWINGS

DESIGNED BY: A. HARTWOOD
DRAWN BY: S. TUTHILL
CHECKED BY: T. THAYER
APPROVED BY: T. THAYER

RUSHING Engineering - Essentials - Delivery
HENSEL PHELPS Plan. Build. Manage.
kpff
SOUNDTRANSIT

SUBMITTED BY: SARA ROBERTS
DATE: 10/26/2022
REVIEWED BY: GREG SHIMIZU
DATE: 10/26/2022

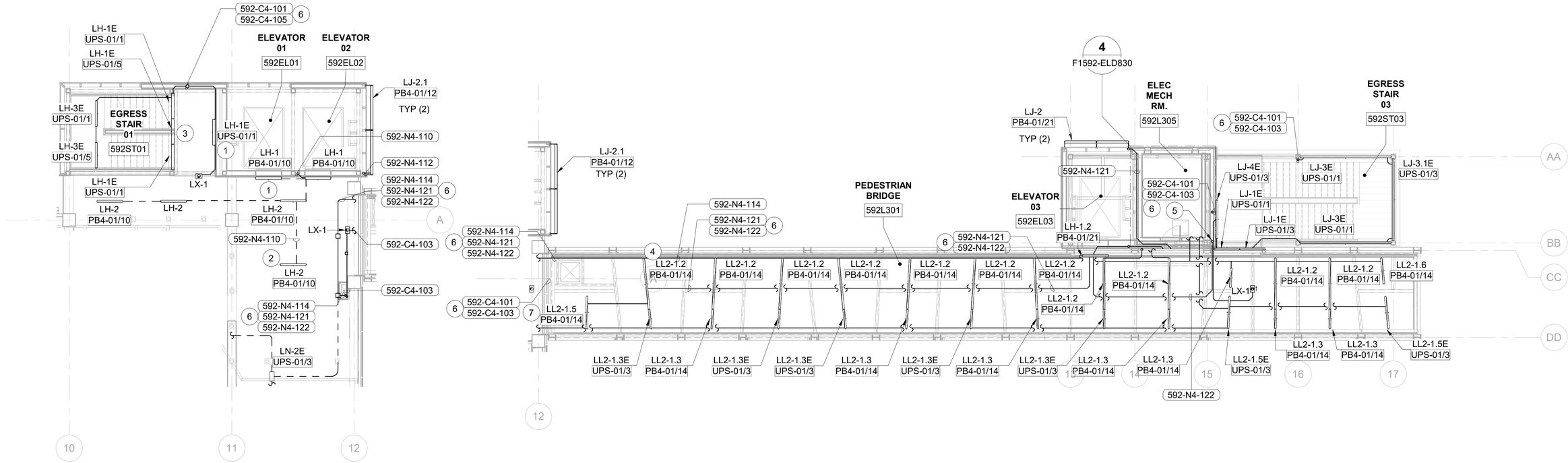
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SCALE: 1/8" = 1'-0"
FILENAME: S317-F1592-E_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
ELECTRICAL
LIGHTING
ENLARGED PLANS

DRAWING No.: F1592-ELD832
FACILITY ID: F1592
SHEET No.: 526
REV.: 0

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LEVEL 3 NE PARKING GARAGE

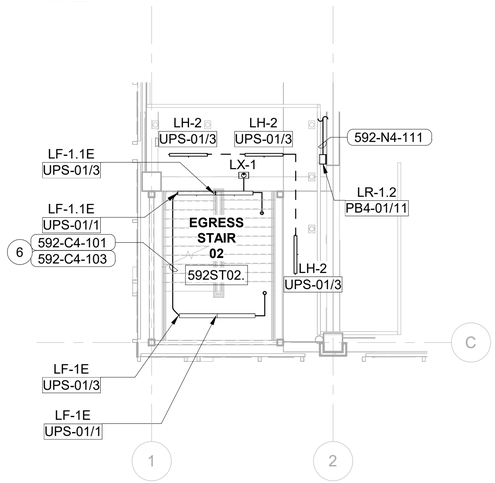
SCALE: 1/8" = 1'-0"

1 F1592-ELP301

LEVEL 3 PEDESTRIAN BRIDGE AND EAST ABUTMENT

SCALE: 1/8" = 1'-0"

2 F1592-ELP301



LEVEL 3 SW PARKING GARAGE

SCALE: 1/8" = 1'-0"

3 F1592-ELP301

GENERAL NOTES:

1. EQUIPMENT WITHIN ANCILLARY ROOM TO BE ROUTED WITH CONDUIT PER CONDUIT AND CONDUCTOR SCHEDULE F1592-EPS950, F1592-EPS951, AND F1592-EPS952.
2. LIGHTING CONTROLS PER SHEET F1592-ELS930.
3. SEE SHEETS F1592-ELS900 AND F1592-ELS901 FOR LUMINAIRE SCHEDULES.
4. CONDUIT PATHS ARE SHOWN DIAGRAMMATICALLY, CONTRACTOR SHALL REROUTE TO AVOID OBSTACLES IN THE FIELD. IT IS ACCEPTABLE TO OPTIMIZE INSTALLATION.
5. REFER TO CONDUIT AND CONDUCTOR SCHEDULE ON F1592-EPS950, F1592-EPS951, AND F1592-EPS952 FOR CONDUIT AND WIRE SIZES.
6. 3/4" CONDUIT SHOWN IS EMBEDDED IN , PER STRUCTURAL DETAILS, ABOVE UNLESS OTHERWISE NOTED.
7. ALL CONDUIT IN PUBLIC SPACES IS HIDDEN OR EMBEDDED, PER STRUCTURAL DETAILS, UNLESS OTHERWISE NOTED.
8. ALL ANCILLARY LIGHTING MOUNTED 8'-0" AFF UNLESS OTHERWISE NOTED.
9. EXTERIOR WALL MOUNT LUMINAIRE MOUNTING HEIGHTS NOTED ON SHEETS F1592-ELX100 AND F1592-ELX101.
10. ALL LIGHTING CONDUIT SHALL BE EMBEDDED IN THE SLAB ABOVE. CEILING MOUNTED LIGHT FIXTURES SHALL BE MOUNTED TO A FLUSH MOUNTED J-BOX IN THE SLAB.

CONSTRUCTION NOTES:

1. ALL LUMINAIRE TYPE LH-1 ON THIS SHEET WALL MOUNTED AT 9-0" AFF UNLESS OTHERWISE NOTED.
2. ALL LUMINAIRE TYPE LH-2 ON THIS SHEET RIGID PENDANT MOUNTED WITH BOTTOM OF FIXTURE EVEN WITH BOTTOM OF STRUCTURAL BEAMS.
3. LUMINAIRE TYPE LH-1 RIGID PENDANT MOUNTED TO UNDERSIDE OF BEAM AND STAIR.
4. ALL LUMINAIRE TYPES LL2-1.2, LL2-1.3, LL2-1.5, LL2-1.6 RIGID PENDANT MOUNTED WITH BOTTOM OF FIXTURE 1" ABOVE BOTTOM OF STRUCTURAL BEAM.
5. SEE F1592-ESP002 FOR CONTINUATION.
6. COMBINE CONDUCTORS INTO A SINGLE 1" CONDUIT. INCLUDE ONLY ONE EQUIPMENT GROUND MATCHING THE SIZE OF THE LARGEST EQUIPMENT GROUND OF THE CIRCUITS WITHIN THE SAME CONDUIT. EQUIPMENT GROUND SIZES ARE INDICATED ON F1592-EPS950, F1592-EPS951, AND F1592-EPS952.
7. SEISMIC GAP. PROVIDE FLEXIBLE CONNECTION AS PER F1592-EPD900/5.

DESIGN RECORD DRAWING UPDATES ARE BASED ON CONTRACTOR'S REDLINES. THE ITEMS AS SHOWN HAVE NOT BEEN INDEPENDENTLY VERIFIED BY RUSHING.

N

1' 0 2' 4' 8'

SCALE IN FEET

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	AH	TT	TT	RECORD DRAWINGS

DESIGNED BY: A. HARTWOOD
DRAWN BY: S. TUTHILL
CHECKED BY: T. THAYER
APPROVED BY: T. THAYER

RUSHING Engineering - Essentials - Delivery
HENSEL PHELPS Plan. Build. Manage.
kpff
SOUNDTRANSIT

SUBMITTED BY: SARA ROBERTS
DATE: 10/26/2022
REVIEWED BY: GREG SHIMIZU
DATE: 10/26/2022

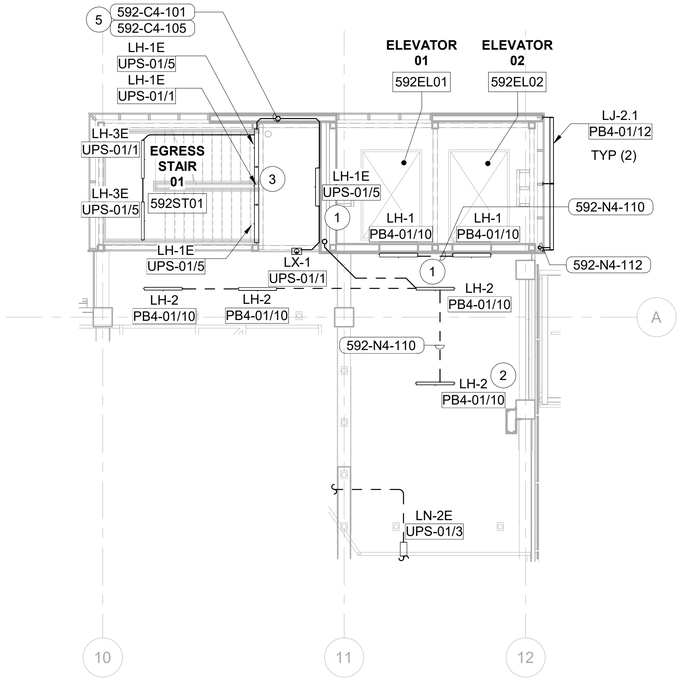
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SCALE: 1/8" = 1'-0"
FILENAME: S317-F1592-E_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
ELECTRICAL
LIGHTING
ENLARGED PLANS

DRAWING No.: **F1592-ELD833**
FACILITY ID: F1592
SHEET No: 527
REV: 0

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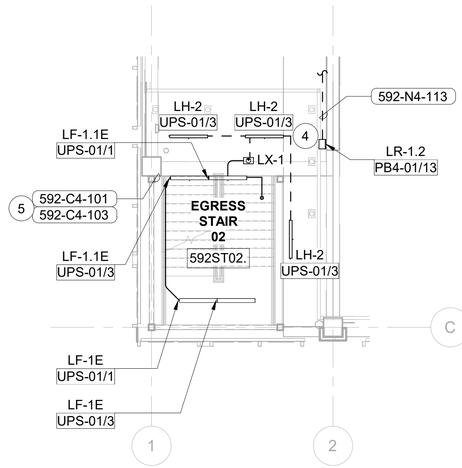


LEVEL 4 NE PARKING GARAGE

SCALE: 1/8" = 1'-0"

1

F1592-ELP401



LEVEL 4 SW PARKING GARAGE

SCALE: 1/8" = 1'-0"

2

F1592-ELP401

GENERAL NOTES:

1. EQUIPMENT WITHIN ANCILLARY ROOM TO BE ROUTED WITH CONDUIT PER CONDUIT AND CONDUCTOR SCHEDULE F1592-EPS950, F1592-EPS951, AND F1592-EPS952.
2. LIGHTING CONTROLS PER SHEET F1592-ELS930.
3. SEE SHEETS F1592-ELS900 AND F1592-ELS901 FOR LUMINAIRE SCHEDULES.
4. CONDUIT PATHS ARE SHOWN DIAGRAMMATICALLY, CONTRACTOR SHALL REROUTE TO AVOID OBSTACLES IN THE FIELD. IT IS ACCEPTABLE TO OPTIMIZE INSTALLATION.
5. REFER TO CONDUIT AND CONDUCTOR SCHEDULE ON F1592-EPS950, F1592-EPS951, AND F1592-EPS952 FOR CONDUIT AND WIRE SIZES.
6. 3/4" CONDUIT SHOWN IS EMBEDDED IN SLAB, PER STRUCTURAL DETAILS, ABOVE UNLESS OTHERWISE NOTED.
7. ALL CONDUIT IN PUBLIC SPACES IS HIDDEN OR EMBEDDED, PER STRUCTURAL DETAILS, UNLESS OTHERWISE NOTED.
8. ALL ANCILLARY LIGHTING MOUNTED 8'-0" AFF UNLESS OTHERWISE NOTED.
9. EXTERIOR WALL MOUNT LUMINAIRE MOUNTING HEIGHTS NOTED ON SHEETS F1592-ELX100 AND F1592-ELX101.
10. ALL LIGHTING CONDUIT SHALL BE EMBEDDED IN THE SLAB ABOVE. CEILING MOUNTED LIGHT FIXTURES SHALL BE MOUNTED TO A FLUSH MOUNTED J-BOX IN THE SLAB.

CONSTRUCTION NOTES:

1. ALL LUMINAIRE TYPE LH-1 ON THIS SHEET WALL MOUNTED AT 9-0" AFF UNLESS OTHERWISE NOTED.
2. ALL LUMINAIRE TYPE LH-2 ON THIS SHEET RIGID PENDANT MOUNTED WITH BOTTOM OF FIXTURE EVEN WITH BOTTOM OF STRUCTURAL BEAMS.
3. LUMINAIRE TYPE LH-1 RIGID PENDANT MOUNTED TO UNDERSIDE OF BEAM AND STAIR.
4. ALL LUMINAIRE TYPE LR-1.2 WALL MOUNTED AT ELEVATION 9'-0".
5. COMBINE CONDUCTORS INTO A SINGLE 1" CONDUIT. INCLUDE ONLY ONE EQUIPMENT GROUND MATCHING THE SIZE OF THE LARGEST EQUIPMENT GROUND OF THE CIRCUITS WITHIN THE SAME CONDUIT. EQUIPMENT GROUND SIZES ARE INDICATED ON F1592-EPS950, F1592-EPS951, AND F1592-EPS952.

N

1' 0 2' 4' 8'

SCALE IN FEET

DESIGN RECORD DRAWING UPDATES ARE BASED ON CONTRACTOR'S REDLINES. THE ITEMS AS SHOWN HAVE NOT BEEN INDEPENDENTLY VERIFIED BY RUSHING.

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	AH	TT	TT	RECORD DRAWINGS

DESIGNED BY: A. HARTWOOD
DRAWN BY: S. TUTHILL
CHECKED BY: T. THAYER
APPROVED BY: T. THAYER

RUSHING Engineering - Essentials - Delivery

HENSEL PHELPS Plan. Build. Manage.

kpff

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT

SUBMITTED BY: SARA ROBERTS
DATE: 10/26/2022
REVIEWED BY: GREG SHIMIZU
DATE: 10/26/2022

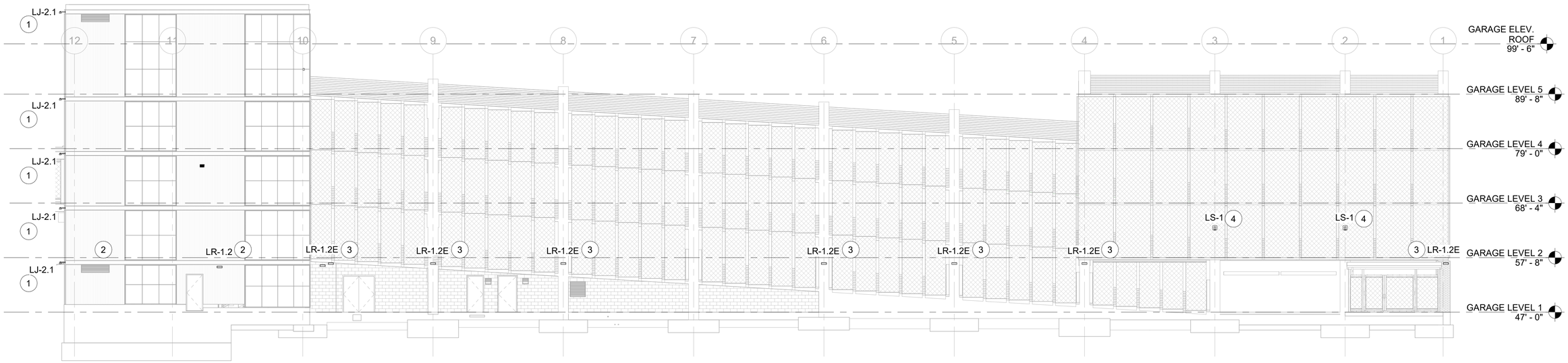
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FILENAME: S317-F1592-E_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS

ELECTRICAL
LIGHTING
ENLARGED PLANS

DRAWING No.: F1592-ELD834
FACILITY ID: F1592
SHEET No.: 528
REV.: 0

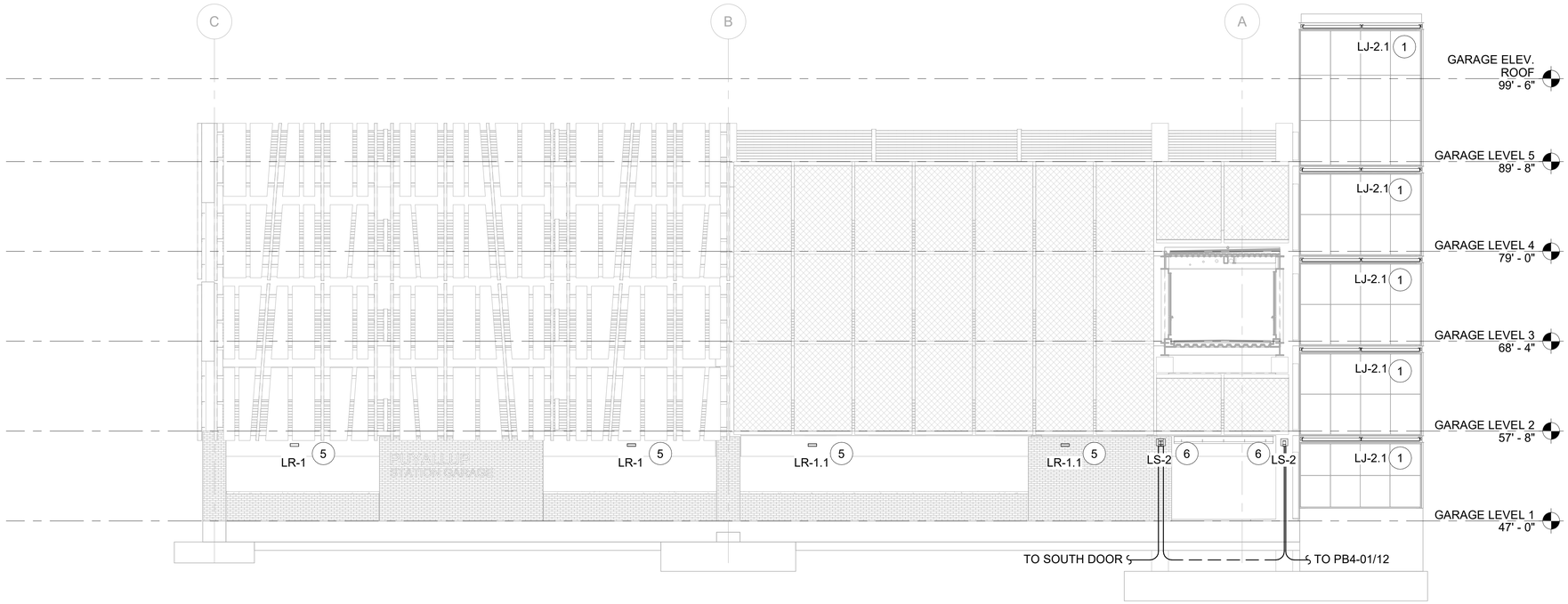
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GARAGE EXTERIOR NORTH

SCALE: 1" = 10'-0"

A F1592-ESP002



GARAGE EXTERIOR EAST

SCALE: 1/8" = 1'-0"

B F1592-ESP002

GENERAL NOTES:

1. EQUIPMENT WITHIN ANCILLARY ROOM TO BE ROUTED WITH CONDUIT PER CONDUIT AND CONDUCTOR SCHEDULE F1592-EPS950, F1592-EPS951, AND F1592-EPS952.
2. LIGHTING CONTROLS PER SHEET F1592-ELS930.
3. SEE SHEETS F1592-ELS900 AND F1592-ELS901 FOR LUMINAIRE SCHEDULES.
4. CONDUIT PATHS ARE SHOWN DIAGRAMMATICALLY, CONTRACTOR SHALL REROUTE TO AVOID OBSTACLES IN THE FIELD. IT IS ACCEPTABLE TO OPTIMIZE INSTALLATION.
5. REFER TO CONDUIT AND CONDUCTOR SCHEDULE ON F1592-EPS950, F1592-EPS951, AND F1592-EPS952 FOR CONDUIT AND WIRE SIZES.
6. 3/4" CONDUIT SHOWN IS EMBEDDED IN SLAB, PER STRUCTURAL DETAILS, ABOVE UNLESS OTHERWISE NOTED.
7. ALL CONDUIT IN PUBLIC SPACES IS HIDDEN OR EMBEDDED, PER STRUCTURAL DETAILS, UNLESS OTHERWISE NOTED.
8. ALL ANCILLARY LIGHTING MOUNTED 8'-0" AFF UNLESS OTHERWISE NOTED.
9. EXTERIOR WALL MOUNT LUMINAIRE MOUNTING HEIGHTS NOTED ON SHEETS F1592-ELX100 AND F1592-ELX101.

CONSTRUCTION NOTES:

1. ART LIGHTING LJ-2 AND LJ-2.1 NOT IN CONTRACT. SHOWN FOR WATTAGE ALLOWANCE AND CIRCUITING ONLY.
2. LR.1.2 MOUNTED AT 9'-0" AFF.
3. LR.1.2 MOUNTED AT 9'-6" AFF.
4. LS-1 MOUNTED AT 16'-6" AFF.
5. LR-1.1 MOUNTED AT 9'-0" AFF.
6. LS-1 MOUNTED AT 9'-4" AFF.

DESIGN RECORD DRAWING UPDATES ARE BASED ON CONTRACTOR'S REDLINES. THE ITEMS AS SHOWN HAVE NOT BEEN INDEPENDENTLY VERIFIED BY RUSHING.

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	AH	TT	TT	RECORD DRAWINGS

DESIGNED BY: A. HARTWOOD
DRAWN BY: S. TUTHILL
CHECKED BY: T. THAYER
APPROVED BY: T. THAYER

RUSHING Engineering - Essentials - Delivery
HENSEL PHELPS Plan. Build. Manage.
kpff
SOUNDTRANSIT

SUBMITTED BY: SARA ROBERTS
DATE: 10/26/2022
REVIEWED BY: GREG SHIMIZU
DATE: 10/26/2022

LINE IS 1" AT FULL SCALE

SCALE: AS NOTED
FILENAME: S317-F1592-E_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
ELECTRICAL
LIGHTING
SECTIONS

DRAWING No.: F1592-ELX100
FACILITY ID: F1592
SHEET No.: 529
REV: 0

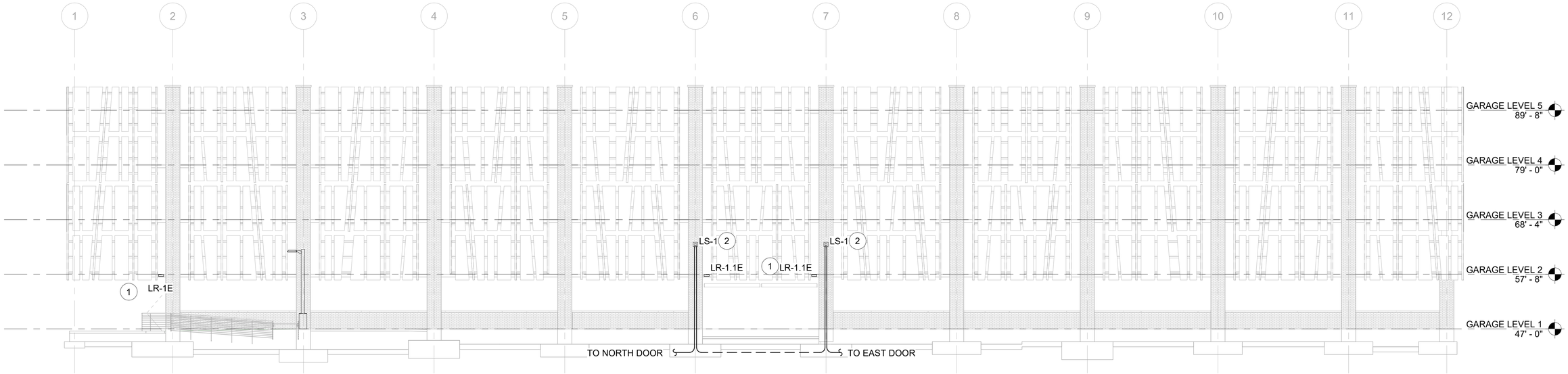
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GENERAL NOTES:

1. EQUIPMENT WITHIN ANCILLARY ROOM TO BE ROUTED WITH CONDUIT PER CONDUIT AND CONDUCTOR SCHEDULE F1592-EPS950, F1592-EPS951, AND F1592-EPS952.
2. LIGHTING CONTROLS PER SHEET F1592-ELS930.
3. SEE SHEETS F1592-ELS900 AND F1592-ELS901 FOR LUMINAIRE SCHEDULES.
4. CONDUIT PATHS ARE SHOWN DIAGRAMMATICALLY, CONTRACTOR SHALL REROUTE TO AVOID OBSTACLES IN THE FIELD. IT IS ACCEPTABLE TO OPTIMIZE INSTALLATION.
5. REFER TO CONDUIT AND CONDUCTOR SCHEDULE ON F1592-EPS950, F1592-EPS951, AND F1592-EPS952 FOR CONDUIT AND WIRE SIZES.
6. 3/4" CONDUIT SHOWN IS EMBEDDED IN SLAB, PER STRUCTURAL DETAILS, ABOVE UNLESS OTHERWISE NOTED.
7. ALL CONDUIT IN PUBLIC SPACES IS HIDDEN OR EMBEDDED, PER STRUCTURAL DETAILS, UNLESS OTHERWISE NOTED.
8. ALL ANCILLARY LIGHTING MOUNTED 8'-0" AFF UNLESS OTHERWISE NOTED.
9. EXTERIOR WALL MOUNT LUMINAIRE MOUNTING HEIGHTS NOTED ON SHEETS F1592-ELX100 AND F1592-ELX101.

CONSTRUCTION NOTES:

1. LUMINAIRE LR-1.1 MOUNTED AT 10'-4" AFF.
2. LUMINAIRE LS-1 MOUNTED AT 16'-6" AFF.



GARAGE EXTERIOR SOUTH

SCALE: 1" = 10'-0"

A
F1592-ESP002

DESIGN RECORD DRAWING UPDATES ARE BASED ON CONTRACTOR'S REDLINES. THE ITEMS AS SHOWN HAVE NOT BEEN INDEPENDENTLY VERIFIED BY RUSHING.

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	AH	TT	TT	RECORD DRAWINGS

DESIGNED BY: A. HARTWOOD
DRAWN BY: S. TUTHILL
CHECKED BY: T. THAYER
APPROVED BY: T. THAYER

RUSHING Engineering - Essentials - Delivery
SUBMITTED BY: SARA ROBERTS
DATE: 10/26/2022

HENSEL PHELPS Plan. Build. Manage.
kpff
REVIEWED BY: GREG SHIMIZU
DATE: 10/26/2022

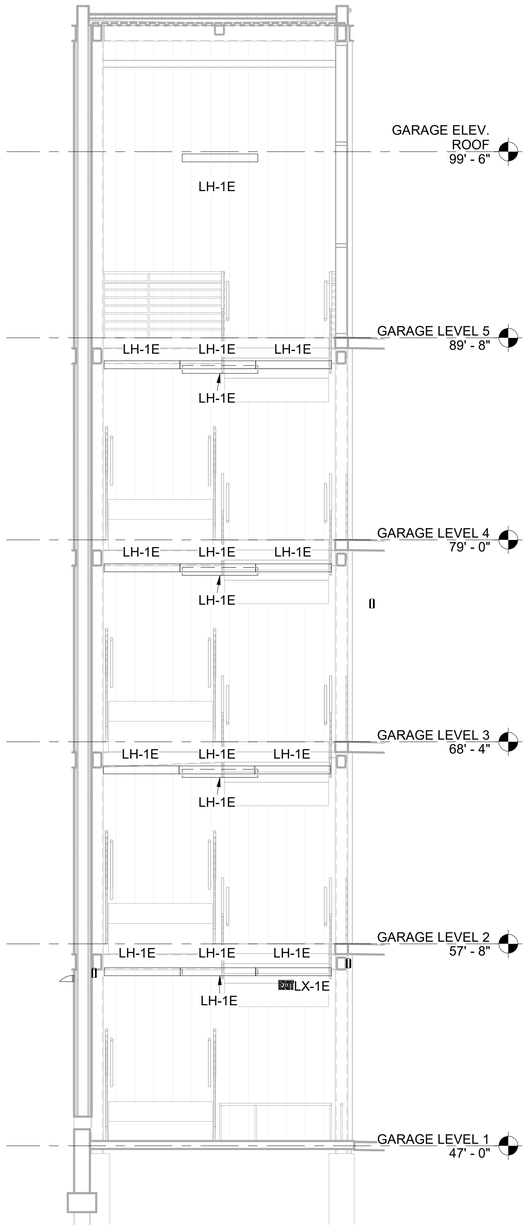
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SOUNDTRANSIT
SCALE: 1" = 10'-0"
FILENAME: S317-F1592-E_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
ELECTRICAL
LIGHTING
SECTIONS

DRAWING No.: F1592-ELX101
FACILITY ID: F1592
SHEET No.: 530
REV.: 0

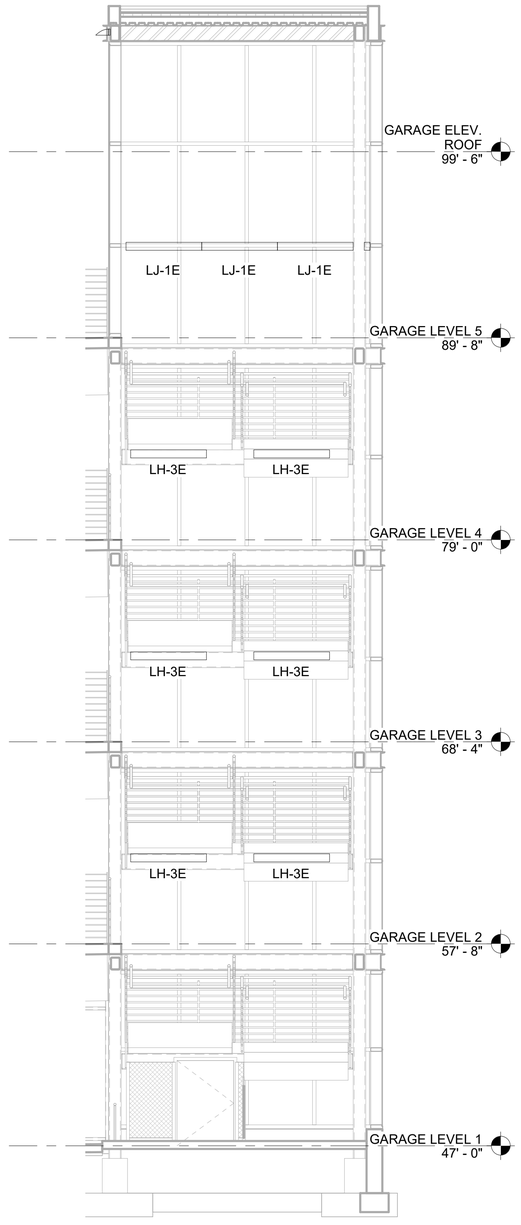
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EGRESS STAIR 01 LOOKING EAST (A)

SCALE: 1/4" = 1'-0"

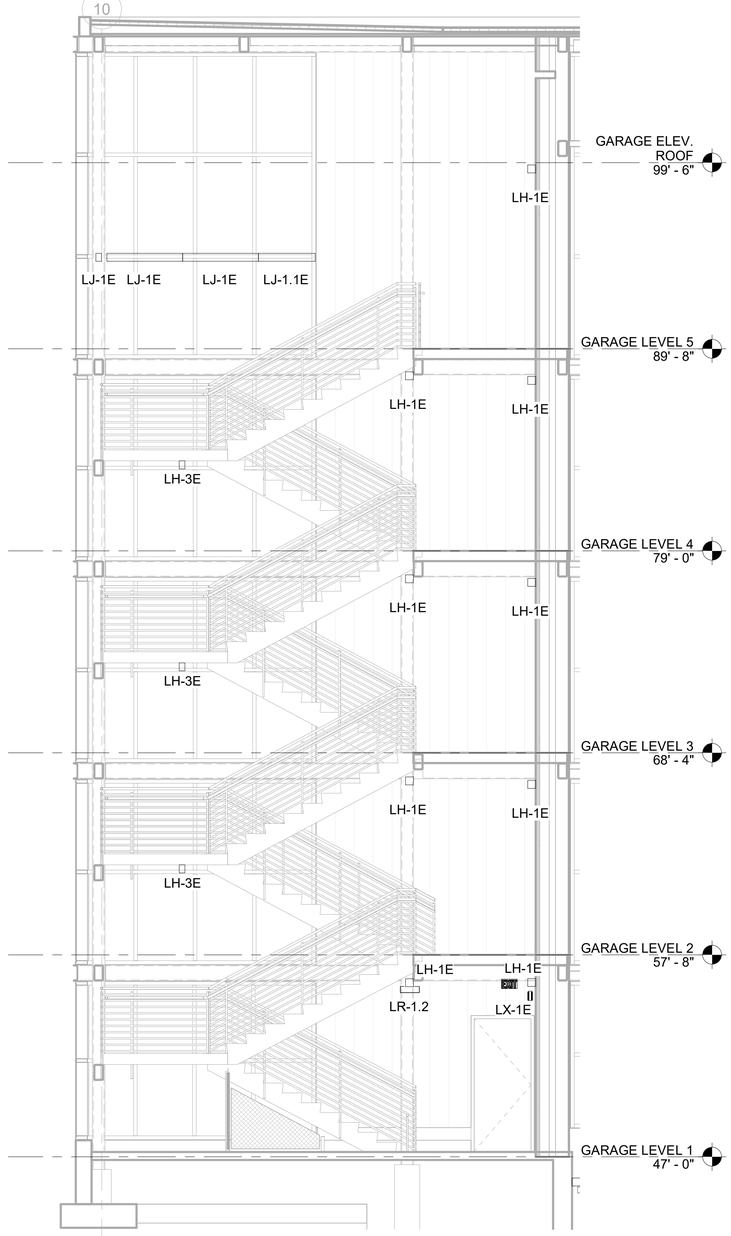
F1592-ELD832



EGRESS STAIR 01 LOOKING WEST (B)

SCALE: 1/4" = 1'-0"

F1592-ELD832



EGRESS STAIR 01 LOOKING NORTH (C)

SCALE: 1/4" = 1'-0"

F1592-ELD832

GENERAL NOTES:

1. EQUIPMENT WITHIN ANCILLARY ROOM TO BE ROUTED WITH CONDUIT PER CONDUIT AND CONDUCTOR SCHEDULE F1592-EPS950, F1592-EPS951, AND F1592-EPS952.
2. LIGHTING CONTROLS PER SHEET F1592-ELS930.
3. SEE SHEETS F1592-ELS900 AND F1592-ELS901 FOR LUMINAIRE SCHEDULES.
4. CONDUIT PATHS ARE SHOWN DIAGRAMMATICALLY, CONTRACTOR SHALL REROUTE TO AVOID OBSTACLES IN THE FIELD. IT IS ACCEPTABLE TO OPTIMIZE INSTALLATION.
5. REFER TO CONDUIT AND CONDUCTOR SCHEDULE ON F1592-EPS950, F1592-EPS951, AND F1592-EPS952 FOR CONDUIT AND WIRE SIZES.
6. 3/4" CONDUIT SHOWN IS EMBEDDED IN SLAB, PER STRUCTURAL DETAILS, ABOVE UNLESS OTHERWISE NOTED.
7. ALL CONDUIT IN PUBLIC SPACES IS HIDDEN OR EMBEDDED, PER STRUCTURAL DETAILS, UNLESS OTHERWISE NOTED.
8. ALL ANCILLARY LIGHTING MOUNTED 8'-0" AFF UNLESS OTHERWISE NOTED.
9. EXTERIOR WALL MOUNT LUMIANIRE MOUNTING HEIGHTS NOTED ON SHEETS F1592-ELX100 AND F1592-ELX101.

DESIGN RECORD DRAWING UPDATES ARE BASED ON CONTRACTOR'S REDLINES. THE ITEMS AS SHOWN HAVE NOT BEEN INDEPENDENTLY VERIFIED BY RUSHING.

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	AH	TT	TT	RECORD DRAWINGS

DESIGNED BY: A. HARTWOOD
DRAWN BY: S. TUTHILL
CHECKED BY: T. THAYER
APPROVED BY: T. THAYER

RUSHING Engineering - Essentials - Delivery

HENSEL PHELPS Plan. Build. Manage.

kpff

SUBMITTED BY: SARA ROBERTS
DATE: 10/26/2022
REVIEWED BY: GREG SHIMIZU
DATE: 10/26/2022

LINE IS 1" AT FULL SCALE

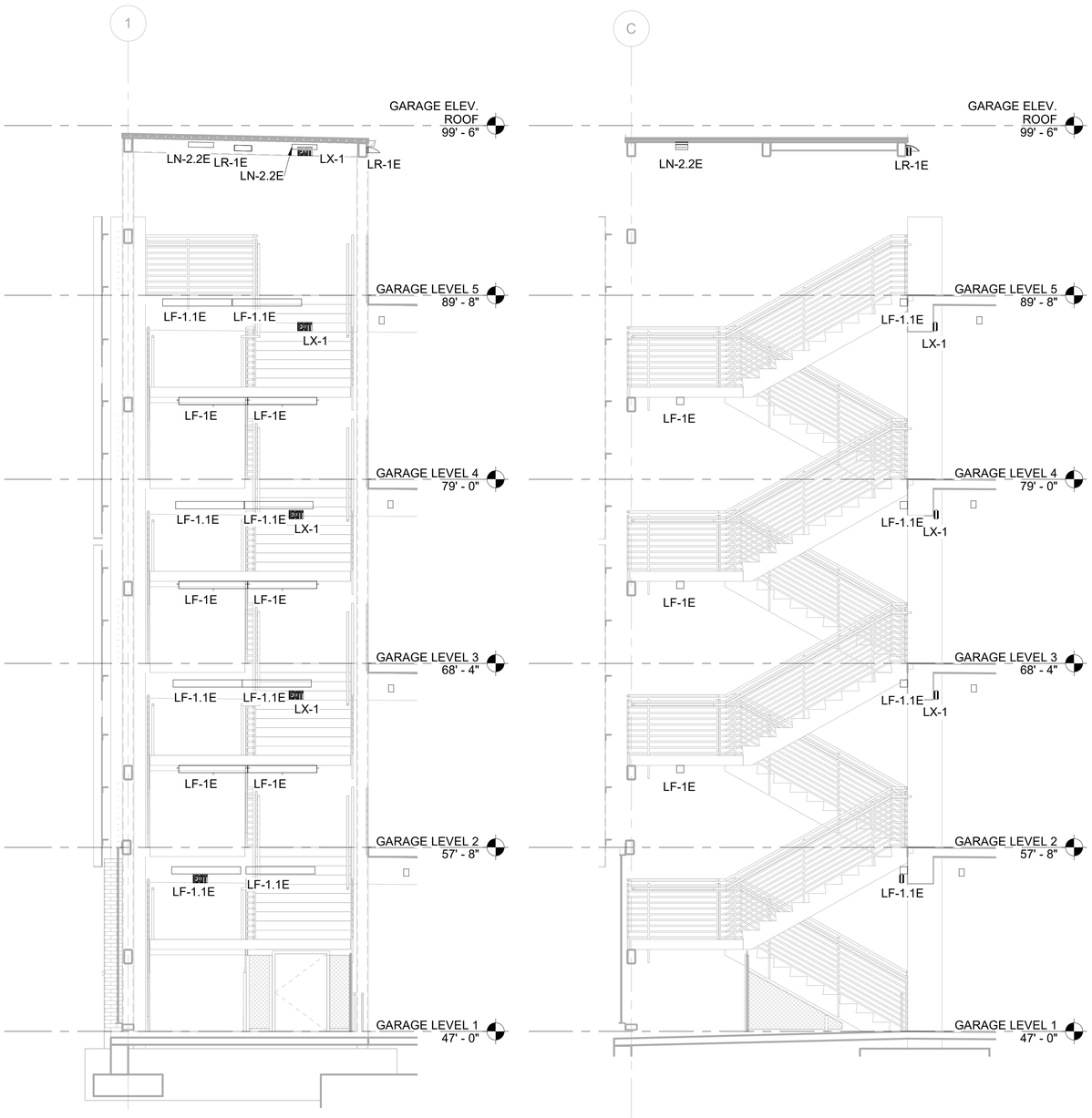
SOUNDTRANSIT

SCALE: 1/4" = 1'-0"
FILENAME: S317-F1592-E_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
ELECTRICAL
LIGHTING
SECTIONS

DRAWING No.: F1592-ELX102
FACILITY ID: F1592
SHEET No.: 531
REV.: 0

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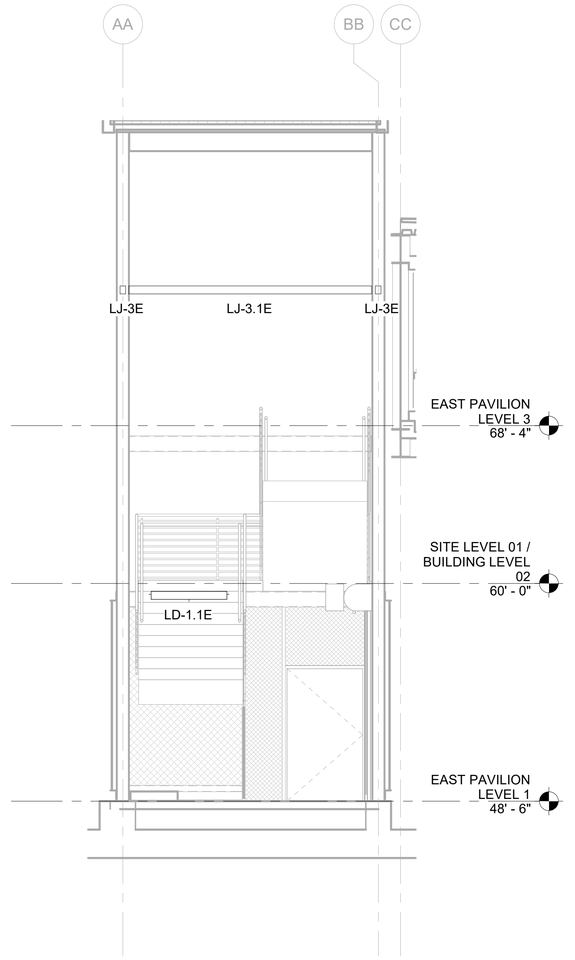


EGRESS STAIR 02 LOOKING NORTH — A — F1592-ELD831

SCALE: 1/4" = 1'-0"

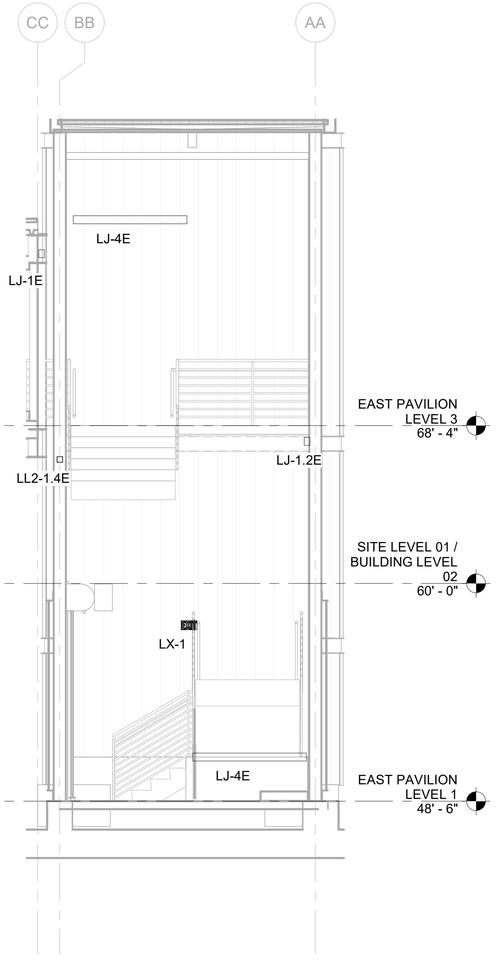
EGRESS STAIR 02 LOOKING WEST — B — F1592-ELD831

SCALE: 1/4" = 1'-0"



EGRESS STAIR 03 LOOKING EAST — C — F1592-ELD832

SCALE: 1/4" = 1'-0"



EGRESS STAIR 03 LOOKING WEST — D — F1592-ELD832

SCALE: 1/4" = 1'-0"

GENERAL NOTES:

1. EQUIPMENT WITHIN ANCILLARY ROOM TO BE ROUTED WITH CONDUIT PER CONDUIT AND CONDUCTOR SCHEDULE F1592-EPS950, F1592-EPS951, AND F1592-EPS952.
2. LIGHTING CONTROLS PER SHEET F1592-ELS930.
3. SEE SHEETS F1592-ELS900 AND F1592-ELS901 FOR LUMINAIRE SCHEDULES.
4. CONDUIT PATHS ARE SHOWN DIAGRAMMATICALLY, CONTRACTOR SHALL REROUTE TO AVOID OBSTACLES IN THE FIELD. IT IS ACCEPTABLE TO OPTIMIZE INSTALLATION.
5. REFER TO CONDUIT AND CONDUCTOR SCHEDULE ON F1592-EPS950, F1592-EPS951, AND F1592-EPS952 FOR CONDUIT AND WIRE SIZES.
6. 3/4" CONDUIT SHOWN IS EMBEDDED IN SLAB, PER STRUCTURAL DETAILS, ABOVE UNLESS OTHERWISE NOTED.
7. ALL CONDUIT IN PUBLIC SPACES IS HIDDEN OR EMBEDDED, PER STRUCTURAL DETAILS, UNLESS OTHERWISE NOTED.
8. ALL ANCILLARY LIGHTING MOUNTED 8'-0" AFF UNLESS OTHERWISE NOTED.
9. EXTERIOR WALL MOUNT LUMINAIRE MOUNTING HEIGHTS NOTED ON SHEETS F1592-ELX100 AND F1592-ELX101.

DESIGN RECORD DRAWING UPDATES ARE BASED ON CONTRACTOR'S REDLINES. THE ITEMS AS SHOWN HAVE NOT BEEN INDEPENDENTLY VERIFIED BY RUSHING.

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	AH	TT	TT	RECORD DRAWINGS

DESIGNED BY: A. HARTWOOD
DRAWN BY: S. TUTHILL
CHECKED BY: T. THAYER
APPROVED BY: T. THAYER

RUSHING Engineering - Essentials - Delivery
SUBMITTED BY: SARA ROBERTS
DATE: 10/26/2022

HENSEL PHELPS Plan. Build. Manage.
kpff
REVIEWED BY: GREG SHIMIZU
DATE: 10/26/2022

LINE IS 1" AT FULL SCALE

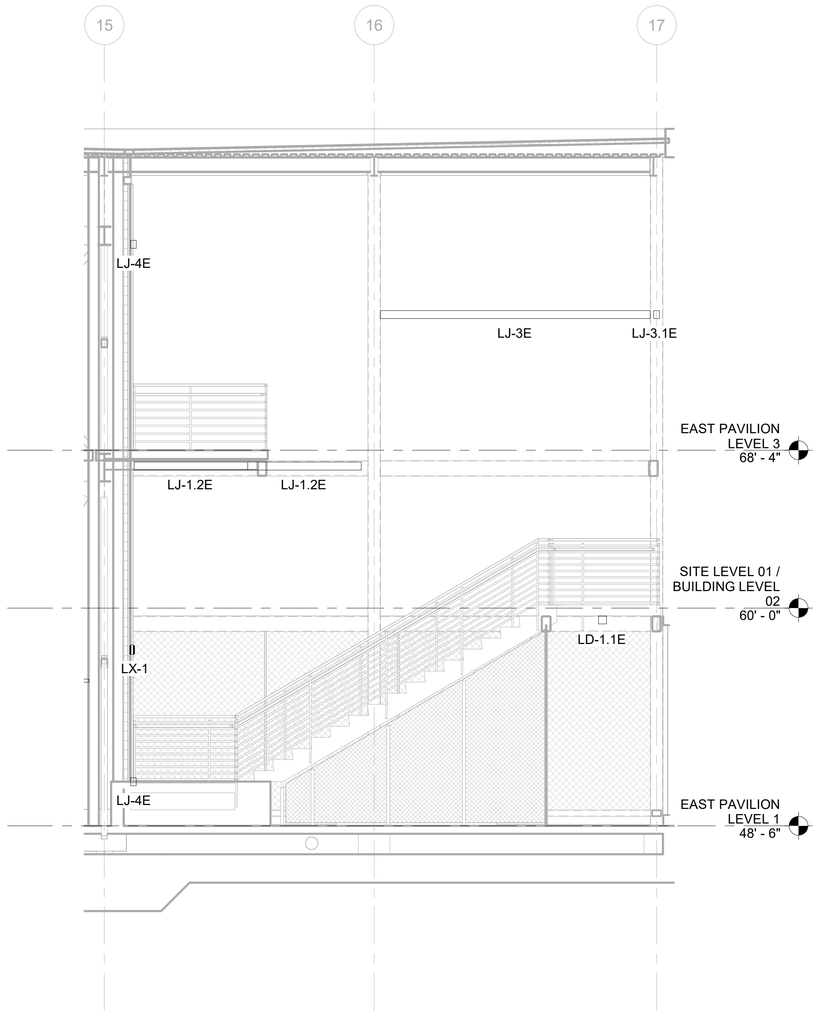
SOUNDTRANSIT
SUBMITTAL DATE: 10/26/2022

SCALE: 1/4" = 1'-0"
FILENAME: S317-F1592-E_v2020
CONTRACT No.: RTA/CN 0612-18

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
ELECTRICAL
LIGHTING
SECTIONS

DRAWING No.: F1592-ELX103
FACILITY ID: F1592
SHEET No.: 532
REV.: 0

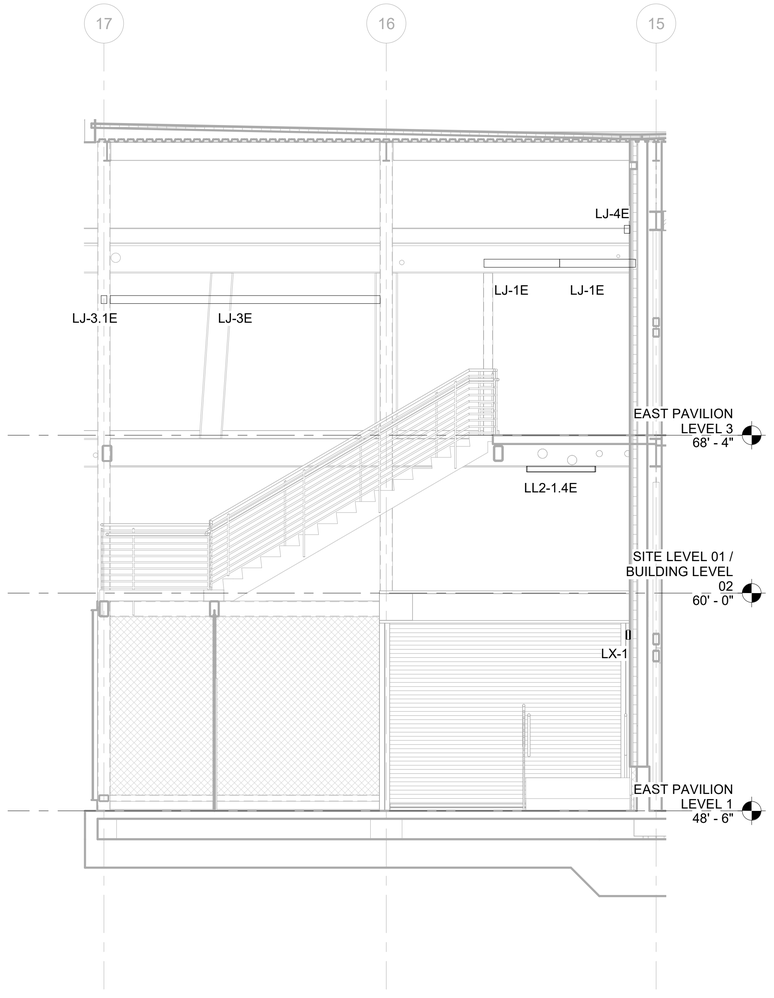
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EGRESS STAIR 03 LOOKING NORTH

SCALE: 1/4" = 1'-0"

A
F1592-ELD832



EGRESS STAIR 03 LOOKING SOUTH

SCALE: 1/4" = 1'-0"

B
F1592-ELD832

GENERAL NOTES:

1. EQUIPMENT WITHIN ANCILLARY ROOM TO BE ROUTED WITH CONDUIT PER CONDUIT AND CONDUCTOR SCHEDULE F1592-EPS950, F1592-EPS951, AND F1592-EPS952.
2. LIGHTING CONTROLS PER SHEET F1592-ELS930.
3. SEE SHEETS F1592-ELS900 AND F1592-ELS901 FOR LUMINAIRE SCHEDULES.
4. CONDUIT PATHS ARE SHOWN DIAGRAMMATICALLY, CONTRACTOR SHALL REROUTE TO AVOID OBSTACLES IN THE FIELD. IT IS ACCEPTABLE TO OPTIMIZE INSTALLATION.
5. REFER TO CONDUIT AND CONDUCTOR SCHEDULE ON F1592-EPS950, F1592-EPS951, AND F1592-EPS952 FOR CONDUIT AND WIRE SIZES.
6. 3/4" CONDUIT SHOWN IS EMBEDDED IN SLAB, PER STRUCTURAL DETAILS, ABOVE UNLESS OTHERWISE NOTED.
7. ALL CONDUIT IN PUBLIC SPACES IS HIDDEN OR EMBEDDED, PER STRUCTURAL DETAILS, UNLESS OTHERWISE NOTED.
8. ALL ANCILLARY LIGHTING MOUNTED 8'-0" AFF UNLESS OTHERWISE NOTED.
9. EXTERIOR WALL MOUNT LUMINAIRE MOUNTING HEIGHTS NOTED ON SHEETS F1592-ELX100 AND F1592-ELX101.

DESIGN RECORD DRAWING UPDATES ARE BASED ON CONTRACTOR'S REDLINES. THE ITEMS AS SHOWN HAVE NOT BEEN INDEPENDENTLY VERIFIED BY RUSHING.

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	AH	TT	TT	RECORD DRAWINGS

DESIGNED BY: A. HARTWOOD
DRAWN BY: S. TUTHILL
CHECKED BY: T. THAYER
APPROVED BY: T. THAYER

RUSHING Engineering - Essentials - Delivery
SUBMITTED BY: SARA ROBERTS
DATE: 10/26/2022

HENSEL PHELPS Plan. Build. Manage.
kpff
REVIEWED BY: GREG SHIMIZU
DATE: 10/26/2022

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT
SCALE: 1/4" = 1'-0"
FILENAME: S317-F1592-E_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
ELECTRICAL
LIGHTING
SECTIONS

DRAWING No.: F1592-ELX104
FACILITY ID: F1592
SHEET No: 533
REV: 0

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INTERIOR LUMINAIRES

TAG	DESCRIPTION	MANUFACTURER	SERIES	CCT	CRI	LUMENS	WATTS	VOLTAGE	DRIVER	DIMMING	MOUNTING	SPEC SECTION
LB-1	4', LED LOW PROFILE STRIP LUMINAIRE, FROSTED ACRYLIC LENS, SENSOR READY DRIVER,V-CLIPS	ILP	FZ4	3000K	>80 CRI	3947 LM	22 W	277 V	INTEGRAL, ELECTRONIC	0-10V	SURFACE	INTERIOR
LB-1.1	4', LED LOW PROFILE STRIP LUMINAIRE, FROSTED ACRYLIC LENS, SENSOR READY DRIVER,V-CLIPS	ILP	FZ4	3000K	>80 CRI	2824 LM	33 W	277 V	INTEGRAL, ELECTRONIC	0-10V	SURFACE	INTERIOR
LB-1.2	4', LED LOW PROFILE STRIP LUMINAIRE, FROSTED ACRYLIC LENS, SENSOR READY DRIVER,V-CLIPS	ILP	FZ4	3000K	>80 CRI	5272 LM	41 W	277 V	INTEGRAL, ELECTRONIC	0-10V	SURFACE	INTERIOR
LB-1.3	4', LED LOW PROFILE STRIP LUMINAIRE, FROSTED ACRYLIC LENS, SENSOR READY DRIVER,V-CLIPS	ILP	FZ4	3000K	>80 CRI	3947 LM	22 W	120 V	INTEGRAL, ELECTRONIC	0-10V	SURFACE	INTERIOR
LB-1.5	4', LED LOW PROFILE STRIP LUMINAIRE, FROSTED ACRYLIC LENS, SENSOR READY DRIVER,V-CLIPS	ILP	FZ4	3000K	>80 CRI	5272 LM	41 W	120 V	INTEGRAL, ELECTRONIC	0-10V	SURFACE	INTERIOR
LC-1	2', LED LOW PROFILE STRIP LUMINAIRE, FROSTED ACRYLIC LENS, SENSOR READY DRIVER,V-CLIPS	ILP	FZ4	3000K	>80 CRI	1981 LM	16 W	277 V	INTEGRAL, ELECTRONIC	0-10V	SURFACE	INTERIOR
LD-1	4', WET LOCATION VAPOR TIGHT LED LUMINAIRE, FIBERGLASS BODY, RIBBED ACRYLIC FROSTED LENS, NEMA 4X, IP66, WET LOCATION RATED	ILP	WZT AMAZON	3000K	>80 CRI	2900 LM	25 W	120 V	INTEGRAL, ELECTRONIC	0-10V	DIRECT WALL MOUNT	
LD-1.1	4', WET LOCATION VAPOR TIGHT LED LUMINAIRE, FIBERGLASS BODY, RIBBED ACRYLIC FROSTED LENS, NEMA 4X, IP66, WET LOCATION RATED	ILP	WZT AMAZON	3000K	>80 CRI	2900 LM	25 W	277 V	INTEGRAL, ELECTRONIC	0-10V	DIRECT WALL MOUNT	EXTERIOR
LE-1	4' NOMINAL LENGTH, LED WRAP LUMINIARE, FROSTED ACRYLIC LENS, SENSOR READY DRIVER, ETL LISTED DAMP LOCATION	ILP	SQ4 CURVED WRAP	3000K	>80 CRI	4800 LM	44 W	277 V	INTEGRAL, ELECTRONIC	0-10V	SURFACE MOUNT	INTERIOR
LF-1	4', WIDE LINEAR STEEL STRIP, 1 LED MODULE, STANDARD OUTPUT, OPAL POLYCARBONATE LENS, SINGLE CIRCUIT, INTEGRAL END MOUNT OCC SENSOR, TAMPER PROOF, COVERED WET LOCATION RATED	COOPER/EATON FAIL-SAFE	HVSL4	3000K	>80 CRI	3484 LM	33.5 W	277 V	INTEGRAL, ELECTRONIC	0-10V (10%)	SURFACE	EXTERIOR
LF-1.1	4', WIDE LINEAR STEEL STRIP, 1 LED MODULE, STANDARD OUTPUT, OPAL POLYCARBONATE LENS, SINGLE CIRCUIT, INTEGRAL END MOUNT OCC SENSOR, TAMPER PROOF, COVERED WET LOCATION RATED, 45 DEGREE MOUNTING BRACKET	COOPER/EATON FAIL-SAFE	HVSL4	3000K	>80 CRI	3484 LM	33.5 W	277 V	INTEGRAL, ELECTRONIC	0-10V (10%)	SURFACE	EXTERIOR
LH-1	4' NOMINAL LENGTH, LED LINEAR LUMINAIRE, HIGH OUTPUT, AWASH KICKER + WISP DIRECT OPTICS, FINISH TBD, WET LOCATION RATED	A-LIGHT	ARCHITRAVE G3	3000K	90+ CRI	2697 LM	38 W	277 V	INTEGRAL, ELECTRONIC	0-10V (1%)	DIRECT WALL MOUNT	EXTERIOR
LH-1.2	4' NOMINAL LENGTH, LINEAR DIRECT LUMINAIRE, HIGH OUTPUT, AWASH KICKER + WISP DIRECT OPTICS, FINISH TBD, WET LOCATION RATED	A-LIGHT	ARCHITRAVE G3	3000K	90+ CRI	2900 LM	38 W	277 V	INTEGRAL, ELECTRONIC	0-10V (1%)	RIGID STEM PENDANT	EXTERIOR
LH-2	4', NOMINAL LENGTH, LINEAR DIRECT/INDIRECT LED LUMINAIRE, STANDARD OUTPUT INDIRECT AND DIRECT, SYMMETRIC WIDE INDIRECT DISTRIBUTION WITH RIGID DIFFUSE DUST-COVER, HE TECH DIRECT OPTICS, WET LOCATION RATED	A-LIGHT	ACCOLADE D2	3000K	90+ CRI	3075 LM	40 W	277 V	INTEGRAL, ELECTRONIC	0-10V (1%)	RIGID STEM PENDANT	EXTERIOR
LH-3	4' NOMINAL LENGTH, LINEAR DIRECT LED LUMINAIRE, HIGH OUTPUT, HE TECH OPTICS, WET LOCATION RATED	A-LIGHT	ACCOLADE D3	3000K	90+ CRI	1550 LM	18 W	277 V	INTEGRAL, ELECTRONIC	0-10V (1%)	SURFACE MOUNT	EXTERIOR
LJ-1	4' NOMINAL LENGTH, LINEAR DIRECT/INDIRECT LUMINAIRE, HIGH OUTPUT INDIRECT, HIGH OUTPUT DIRECT, ASYMMETRIC INDIRECT DISTRIBUTION WITH RIGID DIFFUSE DUST-COVER, AWASH KICKER + WISP DIRECT OPTICS, WET LOCATION RATED	A-LIGHT	ACCOLADE D2	3000K	90+ CRI	5331 LM	78 W	277 V	INTEGRAL, ELECTRONIC	0-10V (1%)	MULLION MOUNT	EXTERIOR
LJ-1.1	3' LENGTH, LINEAR DIRECT/INDIRECT LUMINAIRE, HIGH OUTPUT INDIRECT, HIGH OUTPUT DIRECT, ASYMMETRIC INDIRECT DISTRIBUTION WITH RIGID DIFFUSE DUST-COVER, AWASH KICKER + WISP DIRECT OPTICS, WET LOCATION RATED	A-LIGHT	ACCOLADE D2	3000K	90+ CRI	4299 LM	45 W	277 V	INTEGRAL, ELECTRONIC	0-10V (1%)	MULLION MOUNT	EXTERIOR
LJ-1.2	6' NOMINAL LENGTH, LINEAR DIRECT/INDIRECT LUMINAIRE, HIGH OUTPUT INDIRECT, HIGH OUTPUT DIRECT, ASYMMETRIC INDIRECT DISTRIBUTION WITH RIGID DIFFUSE DUST-COVER, AWASH KICKER + WISP DIRECT OPTICS, WET LOCATION RATED	A-LIGHT	ACCOLADE D2	3000K	90+ CRI	7996 LM	116 W	277 V	INTEGRAL, ELECTRONIC	0-10V (1%)	MULLION MOUNT	EXTERIOR
LJ-3	14'-3" LENGTH, LINEAR DIRECT/INDIRECT LED LUMINAIRE, HIGH OUTPUT INDIRECT AND DIRECT, ASYMMETRIC INDIRECT DISTRIBUTION WITH RIGID DIFFUSE DUST-COVER, AWASH KICKER + WISP DIRECT OPTICS, WET LOCATION RATED	A-LIGHT	ACCOLADE D2	3000K	90+ CRI	9702 LM	132 W	277 V	INTEGRAL, ELECTRONIC	0-10V (1%)	SPAN MOUNT	EXTERIOR
LJ-3.1	12'-10" LENGTH, LINEAR DIRECT/INDIRECT LED LUMINAIRE, HIGH OUTPUT INDIRECT AND DIRECT, ASYMMETRIC INDIRECT DISTRIBUTION WITH RIGID DIFFUSE DUST-COVER, AWASH KICKER + WISP DIRECT OPTICS, WET LOCATION RATED	A-LIGHT	ACCOLADE D2	3000K	90+ CRI	9492 LM	129 W	277 V	INTEGRAL, ELECTRONIC	0-10V (1%)	SPAN MOUNT	EXTERIOR
LJ-4	6' NOMINAL LENGTH, LINEAR DIRECT LED LUMINAIRE, STANDARD OUTPUT, AWASH KICKER + WISP OPTICS, WET LOCATION LISTED	A-LIGHT	ACCOLADE D3	3000K	90+ CRI	2448 W	27 W	277 V	INTEGRAL, ELECTRONIC	0-10V (1%)	SPAN MOUNT	EXTERIOR
LL2-1.2	8' NOMINAL LENGTH, LED LINEAR LUMINAIRE, 70% OF STANDARD OUTPUT, HE TECH DIRECT OPTICS, WET LOCATION RATED	A-LIGHT	ACCOLADE D3	3000K	90+ CRI	2285 LM	25 W	277 V	INTEGRAL, ELECTRONIC	0-10V (1%)	SURFACE MOUNT	EXTERIOR
LL2-1.3	3' NOMINAL LENGTH, LED LINEAR LUMINAIRE, 70% OF STANDARD OUTPUT, HE TECH DIRECT OPTICS, WET LOCATION RATED	A-LIGHT	ACCOLADE D3	3000K	90+ CRI	857 LM	9.5 W	277 V	INTEGRAL, ELECTRONIC	0-10V (1%)	SURFACE MOUNT	EXTERIOR
LL2-1.4	4' NOMINAL LENGTH, LED LINEAR LUMINAIRE, STANDARD OUTPUT, HE TECH DIRECT OPTICS, WET LOCATION RATED	A-LIGHT	ACCOLADE D3	3000K	90+ CRI	1632 LM	18 W	277 V	INTEGRAL, ELECTRONIC	0-10V (1%)	SURFACE MOUNT	EXTERIOR
LL2-1.5	5' NOMINAL LENGTH, LED LINEAR LUMINAIRE, 70% OF STANDARD OUTPUT, HE TECH DIRECT OPTICS, WET LOCATION RATED	A-LIGHT	ACCOLADE D3	3000K	90+ CRI	1428 LM	25 W	277 V	INTEGRAL, ELECTRONIC	0-10V (1%)	SURFACE MOUNT	EXTERIOR
LL2-1.6	4' NOMINAL LENGTH, LED LINEAR LUMINAIRE, 70% OF STANDARD OUTPUT, HE TECH DIRECT OPTICS, WET LOCATION RATED	A-LIGHT	ACCOLADE D3	3000K	90+ CRI	1142 LM	25 W	277 V	INTEGRAL, ELECTRONIC	0-10V (1%)	SURFACE MOUNT	EXTERIOR
LN-2	18" X 9" X 4" NOMINAL LED PARKING GARAGE LUMINAIRE, 30 LEDS, 700Ma DRIVE CURRENT, TYPE V WIDE DISTRIBUTION, INTEGRAL MOTION/AMBIENT SENSOR, FINISH TBD, IP66	LITHONIA	DSXPG	3000K	80 CRI	7467 LM	67 W	277 V	INTEGRAL, ELECTRONIC	0-10V	RIGID STEM MOUNT	INTERIOR
LN-2.1	18" X 9" X 4" NOMINAL LED PARKING GARAGE LUMINAIRE, 30 LEDS, 530Ma DRIVE CURRENT, TYPE V WIDE DISTRIBUTION, INTEGRAL MOTION/AMBIENT SENSOR, FINISH TBD	LITHONIA	DSXPG	3000K	80 CRI	6,000 LM	53 W	277 V	INTEGRAL, ELECTRONIC	0-10V	SURFACE MOUNT	INTERIOR
LN-2.3	18" X 9" X 4" NOMINAL LED PARKING GARAGE LUMINAIRE, 30 LEDS, 1000Ma DRIVE CURRENT, TYPE V WIDE DISTRIBUTION, INTEGRAL MOTION/AMBIENT SENSOR, FINISH TBD	LITHONIA	DSXPG	3000K	80 CRI	10,089 LM	107 W	277 V	INTEGRAL, ELECTRONIC	0-10V (10%)	SURFACE MOUNT	INTERIOR
LN-3	26" DIA PARKING GARAGE LUMINAIRE, WIDE FROSTED DISTRIBUTION, FINISH TBD, INTEGRAL OCCUPANCY SENSOR WITH PHOTOCELL, IP66 RATED, IP RATED FIXTURE HOOK	HOLOPHANE	PHUZION LARGE	3000K	80 CRI	37,450 LM	322 W	277 V	INTEGRAL, ELECTRONIC	0-10V	SURFACE MOUNT	INTERIOR
LN-3.1	26" DIA PARKING GARAGE LUMINAIRE, WIDE FROSTED DISTRIBUTION, FINISH TBD, INTEGRAL OCCUPANCY SENSOR WITH PHOTOCELL, IP66 RATED, IP RATED FIXTURE HOOK	HOLOPHANE	PHUZION LARGE	3000K	80 CRI	44,480 LM	390 W	277 V	INTEGRAL, ELECTRONIC	0-10V	SURFACE MOUNT	INTERIOR
LR-1.2	WALL PACK STYLE LUMINAIRE, VISUAL COMFORT WIDE DISTRIBUTION, IP66	LITHONIA	WEDGE 2	3000K	80 CRI	6,000 LM	48 W	277 V	INTEGRAL, ELECTRONIC	0-10V	DIRECT WALL MOUNT	
LX-1	EXIT SIGN, HIGH ABUSE, TAMPERPROOF FASTENERS, NEMA 4X, WET LOCATION LISTED	BEGHELLI	WLX	N/A	N/A	N/A	2 W	277 V	INTEGRAL, ELECTRONIC	N/A	WALL OR CEILING MOUNT	

NOTES:

1. LUMINAIRE TAGS ENDING IN "E" INDICATE THAT THE LUMINAIRE SHALL BE POWERED BY AN EMERGENCY POWER CIRCUIT, SPECIFICATION IS IDENTICAL TO LUMINAIRES WHOSE TAGS DO NOT END IN "E".
2. FOR BIDDING PURPOSES, LUMENS LISTED ARE MANUFACTURER'S BASE/NOMINAL LUMENS FOR LENGTH/SIZE OF LUMINAIRE. NO ADJUSTMENTS FOR CORRELATED COLOR TEMPERATURE (CCT) OR COLOR RENDERING INDEX (CRI) FACTORS ARE INCLUDED.
3. DURING THE SUBMITTAL REVIEW PROCESS PROVIDE DETAILS/MANUFACTURERS CUT SHEETS FOR ALL FIXTURE MOUNTINGS.

DESIGN RECORD DRAWING UPDATES ARE BASED ON CONTRACTOR'S REDLINES. THE ITEMS AS SHOWN HAVE NOT BEEN INDEPENDENTLY VERIFIED BY RUSHING.

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	AH	TT	TT	RECORD DRAWINGS

DESIGNED BY: A. HARTWOOD
DRAWN BY: S. TUTHILL
CHECKED BY: T. THAYER
APPROVED BY: T. THAYER

RUSHING Engineering - Essentials - Delivery
HENSEL PHELPS Plan. Build. Manage.
kpff
LINE IS 1" AT FULL SCALE
SOUNDTRANSIT

SUBMITTED BY: SARA ROBERTS
DATE: 10/26/2022
REVIEWED BY: GREG SHIMIZU
DATE: 10/26/2022
SCALE: NTS
FILENAME: S317-F1592-E_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
ELECTRICAL
LIGHTING
LUMINAIRE SCHEDULE

DRAWING No.: F1592-ELS900
FACILITY ID: F1592
SHEET No: 534
REV: 0

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EXTERIOR LUMINAIRES

TAG	DESCRIPTION	MANUFACTURER	SERIES	CCT	CRI	LUMENS	WATTS	VOLTAGE	DRIVER	DIMMING	MOUNTING	RATED LIFE	DARK SKY ASSOCIATION REQUIREMENTS				LEED DATA
													CCT<3000K	UPLIGHT "0"	UL RATED	LM-79/LM-80	B-U-G RATING
LH-1	4' NOMINAL LENGTH, LED LINEAR LUMINAIRE, HIGH OUTPUT, AWASH KICKER + WISP DIRECT OPTICS, FINISH TBD, WET LOCATION RATED	A-LIGHT	ARCHITRAVE G3	3000K	90+ CRI	2697 LM	38 W	277 V	INTEGRAL, ELECTRONIC	0-10V (1%)	DIRECT WALL MOUNT	L70 - 60,000K	■	■	■	■	1-0-1
LJ-2	5' NOMINAL LENGHT, ART LIGHTING TBD WATTAGE ESTIMATE INCLUDED FOR CIRCUITING	TBD	TBD	N/A	N/A	N/A	57 W	277 V	N/A	N/A	N/A	N/A					N/A
LJ-2.1	7' NOMINAL LENGTH, ART LIGHTING TBD WATTAGE ESTIMATE INCLUDED FOR CIRCUITING	TBD	TBD	N/A	N/A	N/A	57 W	277 V	N/A	N/A	N/A	N/A					N/A
LL2-1	8' NOMINAL LENGTH, LED LINEAR LUMINAIRE, STANDARD OUTPUT, HE TECH DIRECT OPTICS, WET LOCATION RATED	A-LIGHT	ACCOLADE D3	3000K	90+ CRI	3264 LM	36 W	277 V	INTEGRAL, ELECTRONIC	0-10V (1%)	SURFACE MOUNT	L70 - 60,000K	■	■	■	■	1-0-1
LL2-1.1	3' NOMINAL LENGTH, LED LINEAR LUMINAIRE, STANDARD OUTPUT, HE TECH DIRECT OPTICS, WET LOCATION RATED	A-LIGHT	ACCOLADE D3	3000K	90+ CRI	1224 LM	14 W	277 V	INTEGRAL, ELECTRONIC	0-10V (1%)	SURFACE MOUNT	L70 - 60,000K	■	■	■	■	1-0-1
LN-1	AREA LIGHT POLE HEAD, TYPE V WIDE DISTRIBUTION WITH DIFFUSE LENS, FINISH TBD, IP66	KIM	ALTITUDE 2	3000K	80 CRI	35,000 LM	285 W	277 V	INTEGRAL, ELECTRONIC	0-10V (10%)	POLE MOUNT	L70 - 60,000K	■	■	■	■	4-0-3
LN-1.1	AREA LIGHT POLE HEAD, TYPE V WIDE DISTRIBUTION WITH DIFFUSE LENS, FINISH TBD, IP66	KIM	ALTITUDE 2	3000K	80 CRI	30,000 LM	240 W	277 V	INTEGRAL, ELECTRONIC	0-10V (10%)	POLE MOUNT	L70 - 60,000K	■	■	■	■	4-0-2
LN-1.2	AREA LIGHT POLE HEAD, TYPE II DISTRIBUTION, FINISH TBD, IP66	KIM	ALTITUDE 2	3000K	80 CRI	25,000 LM	200 W	277 V	INTEGRAL, ELECTRONIC	0-10V (10%)	POLE MOUNT	L70 - 60,000K	■	■	■	■	3-0-3
LN-1.4	AREA LIGHT POLE HEAD, TYPE V WIDE DISTRIBUTION, FINISH TBD, IP66	KIM	ALTITUDE 2	3000K	80 CRI	20,000 LM	160 W	277 V	INTEGRAL, ELECTRONIC	0-10V (10%)	POLE MOUNT	L70 - 60,000K	■	■	■	■	5-0-3
LN-1.5	AREA LIGHT POLE HEAD, TYPE IV DISTRIBUTION WITH BACKLIGHT CONTROL, FINISH TBD, IP66	KIM	ALTITUDE 2	3000K	80 CRI	25,000 LM	200 W	277 V	INTEGRAL, ELECTRONIC	0-10V (10%)	POLE MOUNT	L70 - 60,000K	■	■	■	■	1-0-2
LN-1.6	AREA LIGHT POLE HEAD, TYPE IV DISTRIBUTION WITH BACKLIGHT CONTROL, FINISH TBD, IP66	KIM	ALTITUDE 2	3000K	80 CRI	25,000 LM	200 W	277 V	INTEGRAL, ELECTRONIC	0-10V (10%)	POLE MOUNT	L70 - 60,000K	■	■	■	■	1-0-2
LN-1.8	AREA LIGHT POLE HEAD, TYPE IV DISTRIBUTION WITH BACKLIGHT CONTROL, FINISH TBD, IP66	KIM	ALTITUDE 2	3000K	80 CRI	35,000 LM	285 W	277 V	INTEGRAL, ELECTRONIC	0-10V (10%)	POLE MOUNT	L70 - 60,000K	■	■	■	■	1-0-3
LN-1.9	AREA LIGHT POLE HEAD, TYPE IV DISTRIBUTION WITH BACKLIGHT CONTROL, FINISH TBD, IP66, OPTICS ROTATED TO LEFT WITHIN HEAD TO DIRECT LIGHT AT RAMP	KIM	ALTITUDE 2	3000K	80 CRI	35,000 LM	285 W	277 V	INTEGRAL, ELECTRONIC	0-10V (10%)	POLE MOUNT	L70 - 60,000K	■	■	■	■	1-0-2
LN-1.17	AREA LIGHT POLE HEAD, TYPE IV DISTRIBUTION WITH BACKLIGHT CONTROL, FINISH TBD, IP66, OPTICS ROTATED TO RIGHT WITHIN HEAD TO DIRECT LIGHT AT RAMP	KIM	ALTITUDE 2	3000K	80 CRI	35,000 LM	285 W	277 V	INTEGRAL, ELECTRONIC	0-10V (10%)	POLE MOUNT	L70 - 60,000K	■	■	■	■	1-0-2
LN-2.2	18" X 9" X 4" NOMINAL LED PARKING GARAGE LUMINAIRE, 30 LEDS, 1000Ma DRIVE CURRENT, ASYMMETRIC DISTRIBUTION, FINISH TBD, IP66	LITHONIA	DSXPG	3000K	80 CRI	10,214 LM	107 W	277 V	INTEGRAL, ELECTRONIC	0-10V (10%)	SURFACE MOUNT	L70 - 100,000K	■	■	■	■	4-0-2
LN-4	AREA LIGHT POLE HEAD, TYPE II DISTRIBUTION, FINISH TBD, IP66	KIM	ALTITUDE 1	3000K	80 CRI	12,500 LM	95 W	277 V	INTEGRAL, ELECTRONIC	0-10V (10%)	POLE MOUNT	L70 - 60,000K	■	■	■	■	2-0-2
LN-4.1	AREA LIGHT POLE HEAD, TYPE III DISTRIBUTION, FINISH TBD, IP66	KIM	ALTITUDE 1	3000K	80 CRI	12,500 LM	95 W	277 V	INTEGRAL, ELECTRONIC	0-10V (10%)	POLE MOUNT	L70 - 60,000K	■	■	■	■	1-0-2
LN-4.2	AREA LIGHT POLE HEAD, TYPE II DISTRIBUTION, FINISH TBD, IP66	KIM	ALTITUDE 1	3000K	80 CRI	17,500 LM	155 W	277 V	INTEGRAL, ELECTRONIC	0-10V (10%)	POLE MOUNT	L70 - 60,000K	■	■	■	■	2-0-2
LN-4.4	AREA LIGHT POLE HEAD, TYPE V WIDE DISTRIBUTION, FINISH TBD, IP66	KIM	ALTITUDE 1	3000K	80 CRI	17,500 LM	155 W	277 V	INTEGRAL, ELECTRONIC	0-10V (10%)	POLE MOUNT	L70 - 60,000K	■	■	■	■	4-0-2
LN-4.5	AREA LIGHT POLE HEAD, TYPE IV WIDE DISTRIBUTION, FINISH TBD, IP66	KIM	ALTITUDE 1	3000K	80 CRI	9,177LM	85 W	277 V	INTEGRAL, ELECTRONIC	0-10V (10%)	POLE MOUNT	L70 - 60,000K	■	■	■	■	4-0-2
LR-1	WALL PACK STYLE LUMINAIRE, VISUAL COMFORT FORWARD THROW DISTRIBUTION, IP66	LITHONIA	WEDGE 2	3000K	80 CRI	3,000 LM	23 W	277 V	INTEGRAL, ELECTRONIC	0-10V	DIRECT WALL MOUNT	L70 - 50,000K	■	■	■	■	2-0-2
LR-1.1	WALL PACK STYLE LUMINAIRE, VISUAL COMFORT FORWARD THROW DISTRIBUTION, IP66	LITHONIA	WEDGE 2	3000K	80 CRI	4,000 LM	35 W	277 V	INTEGRAL, ELECTRONIC	0-10V	DIRECT WALL MOUNT	L70 - 50,000K	■	■	■	■	2-0-2
LR-1.2	WALL PACK STYLE LUMINAIRE, VISUAL COMFORT WIDE DISTRIBUTION, IP66	LITHONIA	WEDGE 2	3000K	80 CRI	6,000 LM	48 W	277 V	INTEGRAL, ELECTRONIC	0-10V	DIRECT WALL MOUNT	L70 - 50,000K	■				1-0-1
LR-2	WALL PACK STYLE LUMINAIRE, TYPE IV DISTRIBUTION, IP66	LITHONIA	WEDGE 3	3000K	80 CRI	12,000 LM	88 W	277 V	INTEGRAL, ELECTRONIC	0-10V	DIRECT WALL MOUNT	L70 - 50,000K	■	■	■	■	1-0-1
LS-1	4" DIAMETER, ROUND CYLINDER SPOTLIGHT, NARROW SPOT OPTIC, FINISH TBD, CLEAR LENS, HONEYCOMB BAFFLE, 90 DEGREE CAP, IP66	BK LIGHTING	HUME	3000K	80 CRI	1750 LM	36 W	277 V	INTEGRAL, ELECTRONIC	0-10V	DIRECT WALL MOUNT	L70 - 50,000K	■	■	■	■	2-0-0
LS-2	3" DIAMETER, ROUND CYLINDER SPOTLIGHT, SPOT OPTIC, FINISH TBD, CLEAR LENS, HONEYCOMB BAFFLE, 90 DEGREE CAP, IP66	BK LIGHTING	DENALI	3000K	80 CRI	758 LM	13 W	277 V	INTEGRAL, ELECTRONIC	0-10V	DIRECT WALL MOUNT	L70 - 50,000K	■				2-0-0
LX-1	EXIT SIGN, HIGH ABUSE, TAMPERPROOF FASTENERS, NEMA 4X, WET LOCATION LISTED	BEGHELLI	WLX	N/A	N/A	N/A	2 W	277 V	INTEGRAL, ELECTRONIC	N/A	WALL OR CEILING MOUNT	N/A					N/A

NOTES:

1. LUMINAIRE TAGS ENDING IN "E" INDICATE THAT THE LUMINAIRE SHALL BE POWERED BY AN EMERGENCY POWER CIRCUIT, SPECIFICATION IS IDENTICAL TO LUMINAIRES WHOSE TAGS DO NOT END IN "E".
2. FOR BIDDING PURPOSES, LUMENS LISTED ARE MANUFACTURER'S BASE/NOMINAL LUMENS FOR LENGTH/SIZE OF LUMINAIRE. NO ADJUSTMENTS FOR CORRELATED COLOR TEMPERATURE (CCT) OR COLOR RENDERING INDEX (CRI) FACTORS ARE INCLUDED.
3. DURING THE SUBMITTAL REVIEW PROCESS PROVIDE DETAILS/MANUFACTURERS CUT SHEETS FOR ALL FIXTURE MOUNTINGS.

DESIGN RECORD DRAWING UPDATES ARE BASED ON CONTRACTOR'S REDLINES. THE ITEMS AS SHOWN HAVE NOT BEEN INDEPENDENTLY VERIFIED BY RUSHING.

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	AH	TT	TT	RECORD DRAWINGS

DESIGNED BY: A. HARTWOOD
DRAWN BY: S. TUTHILL
CHECKED BY: T. THAYER
APPROVED BY: T. THAYER

RUSHING Engineering - Essentials - Delivery
HENSEL PHELPS Plan. Build. Manage.
kpff
SOUNDTRANSIT

SUBMITTED BY: SARA ROBERTS
DATE: 10/26/2022
REVIEWED BY: GREG SHIMIZU
DATE: 10/26/2022

LINE IS 1" AT FULL SCALE

SCALE: NTS
FILENAME: S317-F1592-E_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
ELECTRICAL
LIGHTING
LUMINAIRE SCHEDULE

DRAWING No.: F1592-ELS901
FACILITY ID: F1592
SHEET No: 535
REV: 0

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POLE SCHEDULE

POLE NUMBER	TAG	FIXTURE MOUNTING HEIGHT	CAMERA	CAMERA MOUNTING HEIGHT	SPEAKER	SIGNAGE	RECEPTACLE
P1	LN-4	22' - 0"	-	-	-	-	-
P2	LN-4	22' - 0"	-	-	-	-	-
P3	LN-4.2	22' - 0"	-	-	-	-	-
P4	LN-1.5	26' - 0"	YES	22' - 9"	-	-	-
P5	LN-1	26' - 0"	YES	19' - 5"	-	-	-
P6	LN-4	26' - 0"	-	-	-	-	-
P7	LN-4.4	26' - 0"	-	-	-	-	-
P8	LN-1.2	26' - 0"	-	-	-	-	-
P9	LN-1.2	26' - 0"	-	-	-	-	-
P10	LN-1.4	26' - 0"	-	-	-	-	-
P11	LN-1.2	26' - 0"	-	-	-	-	-
P12	LN-1.2	26' - 0"	-	-	-	-	-
P13	LN-4.1	26' - 0"	-	-	-	-	-
P14	LN-4.1	26' - 0"	-	-	-	-	-
P15	LN-1	26' - 0"	YES	23' - 0"	-	4'-0" AFF	-
P16	LN-1.1	26' - 0"	-	-	-	4'-0" AFF	-
P17	LN-1	26' - 0"	YES	23' - 0"	-	4'-0" AFF	-
P18	LN-1	26' - 0"	-	-	-	4'-0" AFF	-
P19	LN-1.1	26' - 0"	YES	23' - 4"	-	4'-0" AFF	-
P20	LN-1.1	26' - 0"	-	-	-	4'-0" AFF	-
P21	LN-1.1	26' - 0"	-	-	-	4'-0" AFF	-
P22	LN-1.1	26' - 0"	YES	22' - 7"	-	4'-0" AFF	-
P23	LN-1	26' - 0"	-	-	-	4'-0" AFF	-
P24	LN-1.6	25' - 0"	YES	10' - 6 1/2"	-	4'-0" AFF	-
P25	LN-1.6	25' - 0"	YES	10' - 6 1/2"	-	-	-
P26	LN-1.8	25' - 0"	YES	10' - 6 1/2"	-	-	-
P27	LN-1.8	25' - 0"	YES	10' - 6 1/2"	-	-	-
P28	LN-1.8	25' - 0"	YES	10' - 6 1/2"	-	4'-0" AFF	-
P29	LN-4.5	22' - 0"	-	-	-	-	-
P30	LN-4	22' - 0"					

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FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	AH	TT	TT	RECORD DRAWINGS

DESIGNED BY: A. HARTWOOD
DRAWN BY: S. TUTHILL
CHECKED BY: T. THAYER
APPROVED BY: T. THAYER

RUSHING Engineering - Essentials - Delivery
SUBMITTED BY: SARA ROBERTS
DATE: 10/26/2022

HENSEL PHELPS Plan. Build. Manage. kpff
REVIEWED BY: GREG SHIMIZU
DATE: 10/26/2022

LINE IS 1" AT FULL SCALE

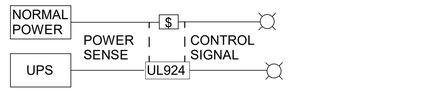
SOUNDTRANSIT

SCALE: NTS
FILENAME: S317-F1592-E_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
ELECTRICAL
LIGHTING
POLE SCHEDULE

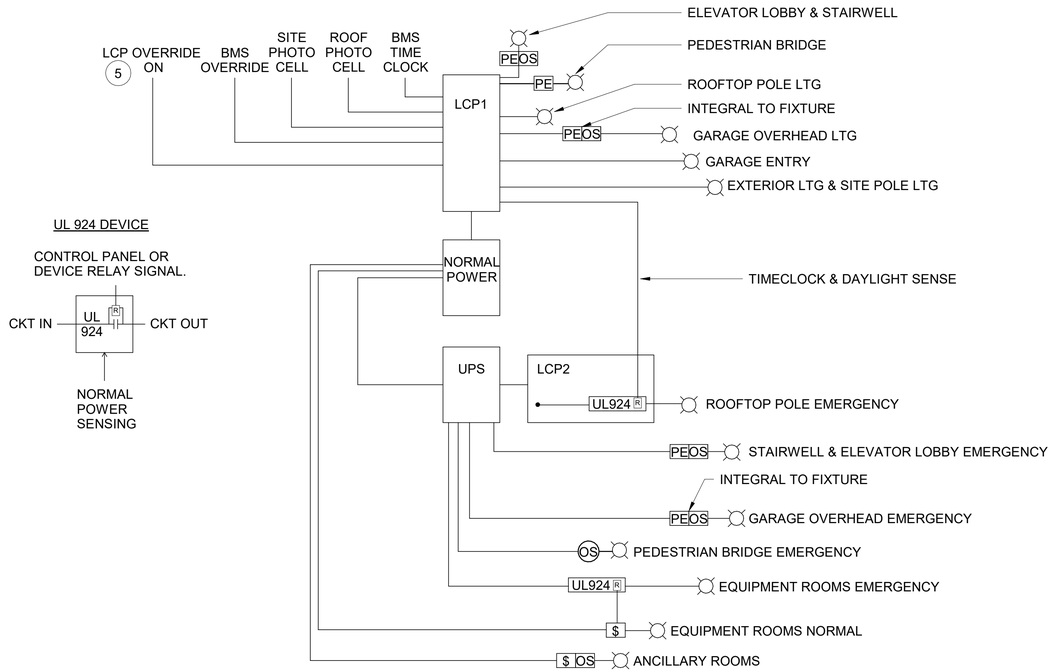
DRAWING No.: F1592-ELS902
FACILITY ID: F1592
SHEET No: 536
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TYPICAL SWITCH WITH UL924 — 1 / -

SCALE: NTS



PE PHOTOELECTRIC DAYLIGHT ZONE DIMMING SENSOR

OS OCCUPANCY SENSOR SWITCH

$ LOCAL SWITCH

PP POWER PACK

PEOS SINGLE DEVICE WITH PE AND OS CAPABILITY

OS INTEGRAL OCCUPANCY SENSOR

LIGHTING CONTROL DIAGRAM — 2 / -

SCALE: NTS

CONSTRUCTION NOTES:

1. SELECT GARAGE ENTRY LIGHTS SHALL BE ON DURING DAYLIGHT HOURS AND OFF AFTER DARK.
2. AUTOMATICALLY DIM LIGHTING POWER TO 50% WHEN UNOCCUPIED FOR MORE THAN 15 MINUTES.
3. OCCUPANCY AND DAYLIGHT SENSING INTEGRAL TO FIXTURE. DAYLIGHT + OCCUPANCY SENSORS SHALL BE CALIBRATED TO DIM TO 50% WHEN PHOTOSENSING LIGHT LEVEL THRESHOLD IS REACHED OR WHEN SPACE IS UNOCCUPIED FOR GREATER THAN 15 MIN.
4. LOCAL SWITCH TO BE DIMMING SWITCH IN ORDER TO PROVIDE THREE LEVEL OCCUPANT CONTROL OF LIGHTING AS REQUIRED BY PROJECT TARGET OF LEED+ FOR TRANSIT STATIONS.
5. PROVIDE MOMENTARY PUSH BUTTON WHICH WILL SIGNAL THE LCP TO TURN ALL LIGHTS ON FOR CODE LIMITED 15 MINUTE TIME-OUT (ADJUSTABLE). SEE SHEET JCD-900 FOR DETAIL.

	DAYLIGHT SENSING	OCCUPANCY SENSING	MOTION SENSING	LOCAL SWITCH	SITE PHOTOCELL	ROOF PHOTOCELL	TIMECLOCK (BMS REVENUE_ON)	UL924	CIRCUITS PER CONTROL ZONE:
GARAGE OVERHEAD	X	X←(3)					X		PB4-01/7; PB4-01/9; PB4-01/11; PB4-01/13
EMERGENCY GARAGE OVERHEAD	X	X←(3)						X	UPS-01/4
EXTERIOR OVERHEAD					X		X		PB4-01/9; PB4-01/11; PB4-01/12; PB4-01/13; PB4-01/16; PB4-01/17; PB4-01/18; PB4-01/19; PB4-01/20; PB4-01/22
EMERGENCY EXTERIOR OVERHEAD					X		X	X	UPS-01/5; UPS-01/10
STAIRWELL	X	X←(2)						X	UPS-01/1; UPS-01/2; UPS-01/3; UPS-01/4
ELEVATOR LOBBY	X	X					X		PB4-01/10; PB4-01/21
ANCILLARY ROOMS		X	(4)→	X					PB4-01/21
EQUIPMENT ROOM				X					PB2-04/7; PB4-01/21
EQUIPMENT ROOM EMERGENCY				X				X	UPS-01/7
SECURITY ROOM				X				X	PB4-01/21
ROOFTOP POLE						X	X		PB4-01/15
ROOFTOP EMERGENCY POLE						X	X	X	UPS-01/6
GARAGE ADAPTATION ZONE					X←(1)		X		PB4-01/2; PB4-01/4; PB4-01/6; PB4-01/7; PB4-01/8
PEDESTRIAN BRIDGE					X		X		PB4-01/14; PB4-01/19
PEDESTRIAN BRIDGE EMERGENCY					X		X	X	UPS-01/

LIGHTING CONTROL MATRIX — 3 / -

SCALE: NTS

SOUND TRANSIT LIGHTING CONTROL NARRATIVE:

LIGHTING CONTROL RELAY PANEL

THE LIGHTING CONTROL RELAY PANEL SHALL CONTAIN RELAYS TO SWITCH EACH LIGHTING CIRCUIT IN EACH CONTROL GROUP INDICATED IN THE MATRIX, IN THE BLOCK DIAGRAM ON THIS SHEET, AND ON THE PLANS. THIS PANEL SHALL RECEIVE DIGITAL INPUTS (DI) FROM THE EXTERIOR PHOTOCELL, BMS TIMECLOCK, AND BMS OVERRIDE AND PROVIDE INTERNAL LOGIC TO SWITCH THE LIGHTING CIRCUITS. THE PHOTOCELL SHALL TURN THE EXTERIOR LIGHTS (AS INDICATED IN THE MATRIX) OFF DURING DAYLIGHT HOURS. THE BMS TIME CLOCK SHALL TURN THE LIGHTS (AS INDICATED IN THE MATRIX) OFF AFTER HOURS. THE BMS OVERRIDE SHALL TURN ON ALL LIGHTING CIRCUITS IN THE LIGHTING CONTROL RELAY PANEL WHEN ACTIVATED. THIS PANEL SHALL ALSO HAVE A BACNET OUTPUT FOR FUTURE CONNECTION.

STAND ALONE LIGHTING CONTROLS

INTERIOR EQUIPMENT ROOMS ARE SERVED BY TWO SEPARATE CIRCUITS AND SHALL BE CONTROLLED BY A DOUBLE POLE SINGLE THROW LINE VOLTAGE SWITCH ONLY. OTHER INTERIOR ROOMS SHALL HAVE A MOTION SENSOR OR A TIMER THAT TURNS OFF LIGHTS AFTER 15 MINUTES OF INACTIVITY. SEE BLOCK DIAGRAM ON THIS SHEET FOR INTERIOR SPACES.

GARAGE INTERIORS

THE INTERIOR GARAGE FIXTURES SHALL CONTAIN INTEGRAL MOTION SENSORS THAT DIM THE FIXTURE TO 50% WHEN NO MOTION HAS BEEN DETECTED FOR 15 MINUTES. THE PERIMETER LIGHTING SHALL ALSO INCLUDE AN INTEGRAL PHOTOCELL TO AUTOMATICALLY DIM THE FIXTURE BASED UPON THE DAYLIGHT ENTERING THE GARAGE. ALL EMERGENCY LIGHTING TO REMAIN ON 24 HOURS FOR SAFETY AND SECURITY.

EGRESS STAIRWELLS

PROVIDE AN OCCUPANCY/PHOTOELECTRIC SENSOR TO DIM LIGHTS TO 50% WHEN UNOCCUPIED FOR MORE THAN 15 MINUTES OR WHEN PHOTOSENSING LIGHT LEVEL THRESHOLD IS REACHED. EGRESS LIGHTING TO REMAIN ON 24 HOURS FOR SAFETY AND SECURITY.

UL924 DEVICE

THE UL924 AUTOMATIC LOAD RELAY ALLOWS THE EMERGENCY LIGHTING IN A SPACE TO BE CONTROLLED ALONG WITH THE NORMAL LIGHTING WHILE ENSURING THAT THE EMERGENCY LIGHTING WILL BE FORCED TO FULL BRIGHTNESS UPON LOSS OF MORMAL POWER TO THE SPACE.

DESIGN RECORD DRAWING UPDATES ARE BASED ON CONTRACTOR'S REDLINES. THE ITEMS AS SHOWN HAVE NOT BEEN INDEPENDENTLY VERIFIED BY RUSHING.

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	AH	TT	TT	RECORD DRAWINGS

DESIGNED BY: A. HARTWOOD
DRAWN BY: S. TUTHILL
CHECKED BY: T. THAYER
APPROVED BY: T. THAYER

RUSHING Engineering - Essentials - Delivery
SUBMITTED BY: SARA ROBERTS

HENSEL PHELPS Plan. Build. Manage. kpff
DATE: 10/26/2022
REVIEWED BY: GREG SHIMIZU

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT
DATE: 10/26/2022

SCALE: NTS
FILENAME: S317-F1592-E_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

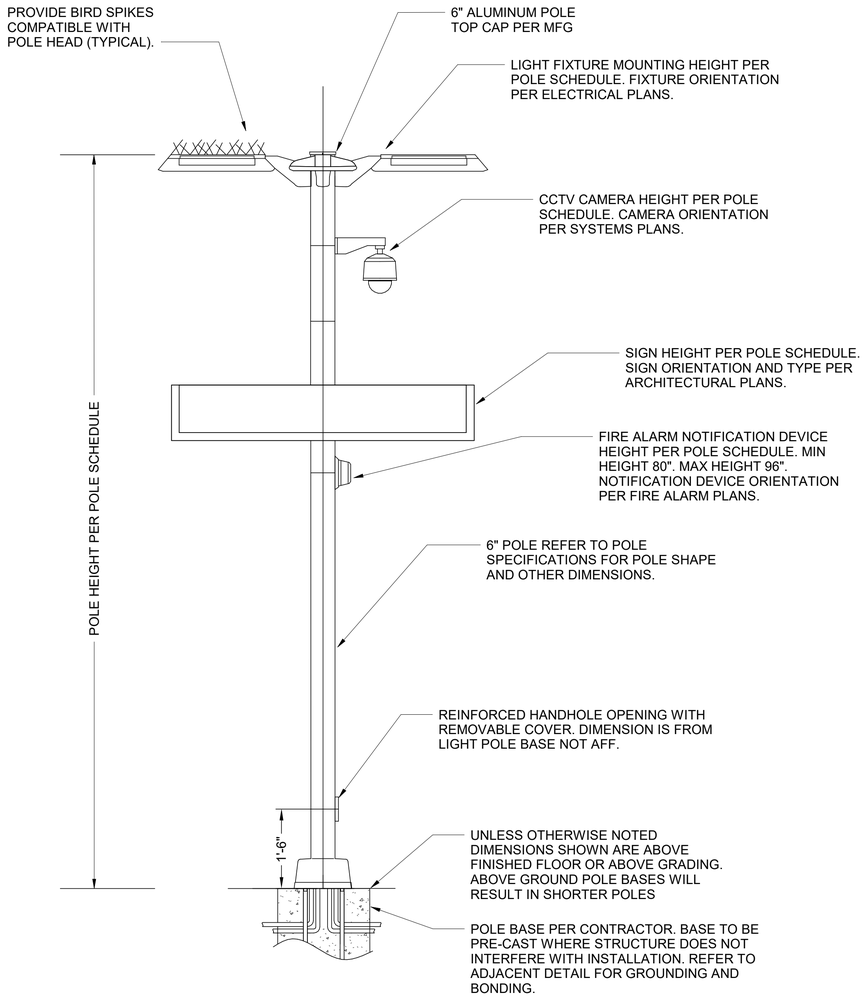
PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
ELECTRICAL LIGHTING CONTROL DIAGRAM

DRAWING No.: F1592-ELS930
FACILITY ID: F1592
SHEET No.: 537
REV.: 0

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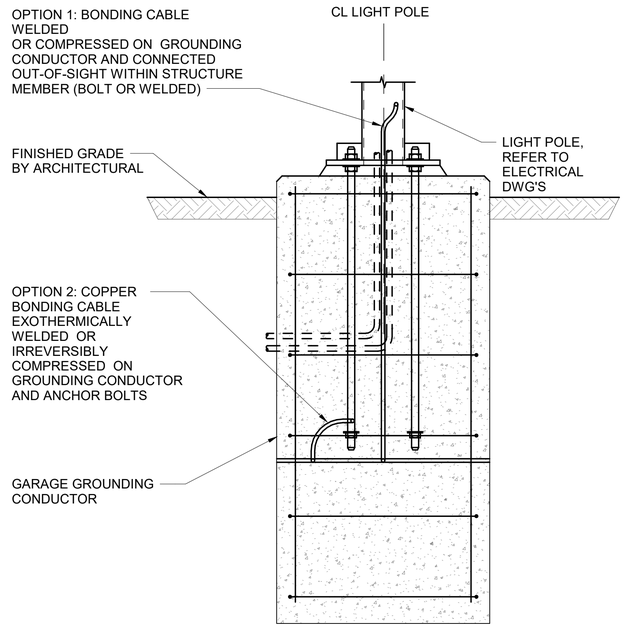
GENERAL NOTES:

1. REFER TO STRUCTURAL DRAWINGS FOR ANCHOR REQUIREMENTS.
2. ROUTE POWER CIRCUIT CONDUCTORS SERVING LUMINAIRE IN LFMC FROM CONDUIT STUB-UP WHERE INDICATED ON PLANS, LFMC SHALL TERMINATE IN AN JUNCTION BOX AT THE TOP OF THE POLE THAT IS ACCESSIBLE FOR MAKING WIRING CONNECTIONS BY REMOVAL OF THE POLE CAP
3. PROVIDE SUPPORT FOR THE LFMC AT THE POLE TOP USING A STAINLESS STEEL WOVEN BASKET RIP STRAIN RELIEF FITTING INCORPORATED INTO THE LFMC CONNECTOR PROVIDE SUPPORT FOR THE LFMC AT THE POLE TOP USING A STAINLESS STEEL WOVEN BASKET RIP STRAIN RELIEF FITTING INCORPORATED INTO THE LFMC CONNECTOR.



TYPICAL LIGHT POLE DETAIL 1

SCALE: NTS



PLAZA GROUNDING DETAIL 2

SCALE: NTS

DESIGN RECORD DRAWING UPDATES ARE BASED ON CONTRACTOR'S REDLINES. THE ITEMS AS SHOWN HAVE NOT BEEN INDEPENDENTLY VERIFIED BY RUSHING.

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	AH	TT	TT	RECORD DRAWINGS

DESIGNED BY: A. HARTWOOD
DRAWN BY: S. TUTHILL
CHECKED BY: T. THAYER
APPROVED BY: T. THAYER

RUSHING Engineering-Essentials-Delivery
SUBMITTED BY: SARA ROBERTS

HENSEL PHELPS Plan. Build. Manage. kpff
DATE: 10/26/2022
REVIEWED BY: GREG SHIMIZU

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT
DATE: 10/26/2022

SCALE: NTS
FILENAME: S317-F1592-E_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
ELECTRICAL LIGHTING DETAILS

DRAWING No.: F1592-ELD900
FACILITY ID: F1592
SHEET No: 538
REV: 0

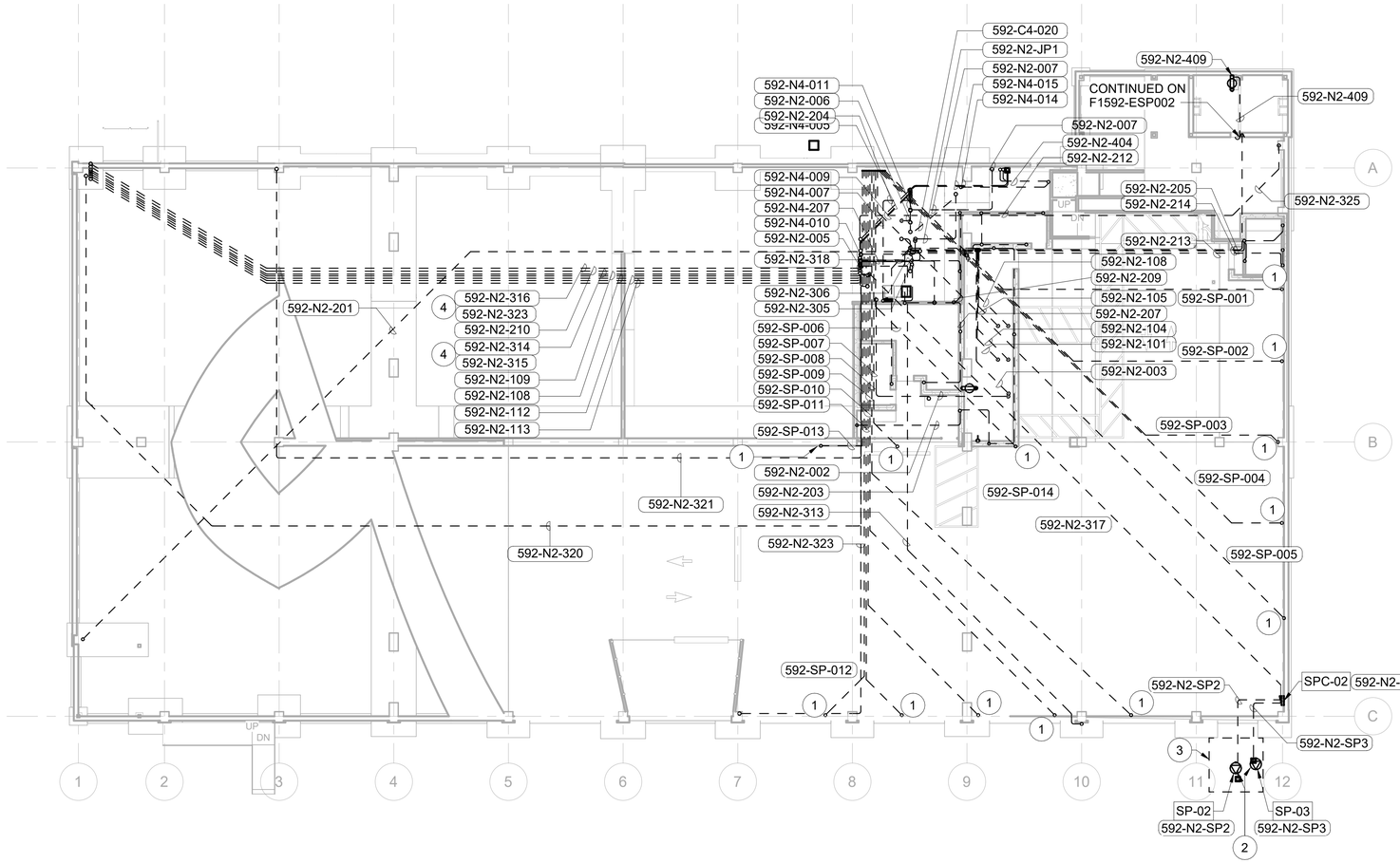
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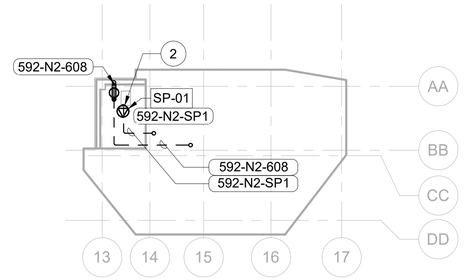
CONSTRUCTION NOTES:

1. CONDUIT STUB UP CAPPED FOR FUTURE EVC.
2. SINGLE PHASE NEMA L5-20 RECEPTACLE.
3. CLASS 1 DIVISION 2 AREA 12' AROUND VAULT. ELECTRICAL DEVICE AND WIRING MUST COMPLY PER NEC ARTICLE 500.
4. COMBINE CONDUCTORS INTO A SINGLE 1" CONDUIT. INCLUDE ONLY ONE EQUIPMENT GROUND MATCHING THE SIZE OF THE LARGEST EQUIPMENT GROUND OF THE CIRCUITS WITHIN THE SAME CONDUIT. EQUIPMENT GROUND SIZES ARE INDICATED ON F1592-EPS950, F1592-EPS951, AND F1592-EPS952.

GENERAL NOTES:

1. EQUIPMENT WITHIN ANCILLARY ROOM TO BE RPITED PER SCHEDULE ON EPS950, EPS951, AND EPS952.
2. CONDUIT PATHS ARE SHOWN DIAGRAMMATICALLY, CONTRACTOR SHALL REROUTE TO AVOID OBSTACLES IN THE FIELD. IT IS ACCEPTABLE TO OPTIMIZE INSTALLATION.
3. REFER TO CONDUIT AND CONDUCTOR SCHEDULE FOR CONDUIT AND WIRE SIZES.





N

2' 0' 8' 16' 32'

SCALE IN FEET

DESIGN RECORD DRAWING UPDATES ARE BASED ON CONTRACTOR'S REDLINES. THE ITEMS AS SHOWN HAVE NOT BEEN INDEPENDENTLY VERIFIED BY RUSHING.

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	VI	TT	TT	RECORD DRAWINGS

DESIGNED BY: B. HOANG
DRAWN BY: S. TUTHILL
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APPROVED BY: T. THAYER

RUSHING Engineering – Essentials – Delivery
SUBMITTED BY: SARA ROBERTS
DATE: 10/26/2022

HENSEL PHELPS Plan. Build. Manage.
kpff
REVIEWED BY: GREG SHIMIZU
DATE: 10/26/2022

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT

SCALE: 1/16" = 1'-0"
FILENAME: S317-F1592-E_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS

ELECTRICAL
POWER PLAN
FOUNDATION LEVEL - OVERALL

DRAWING No.: F1592-EPP100
FACILITY ID: F1592
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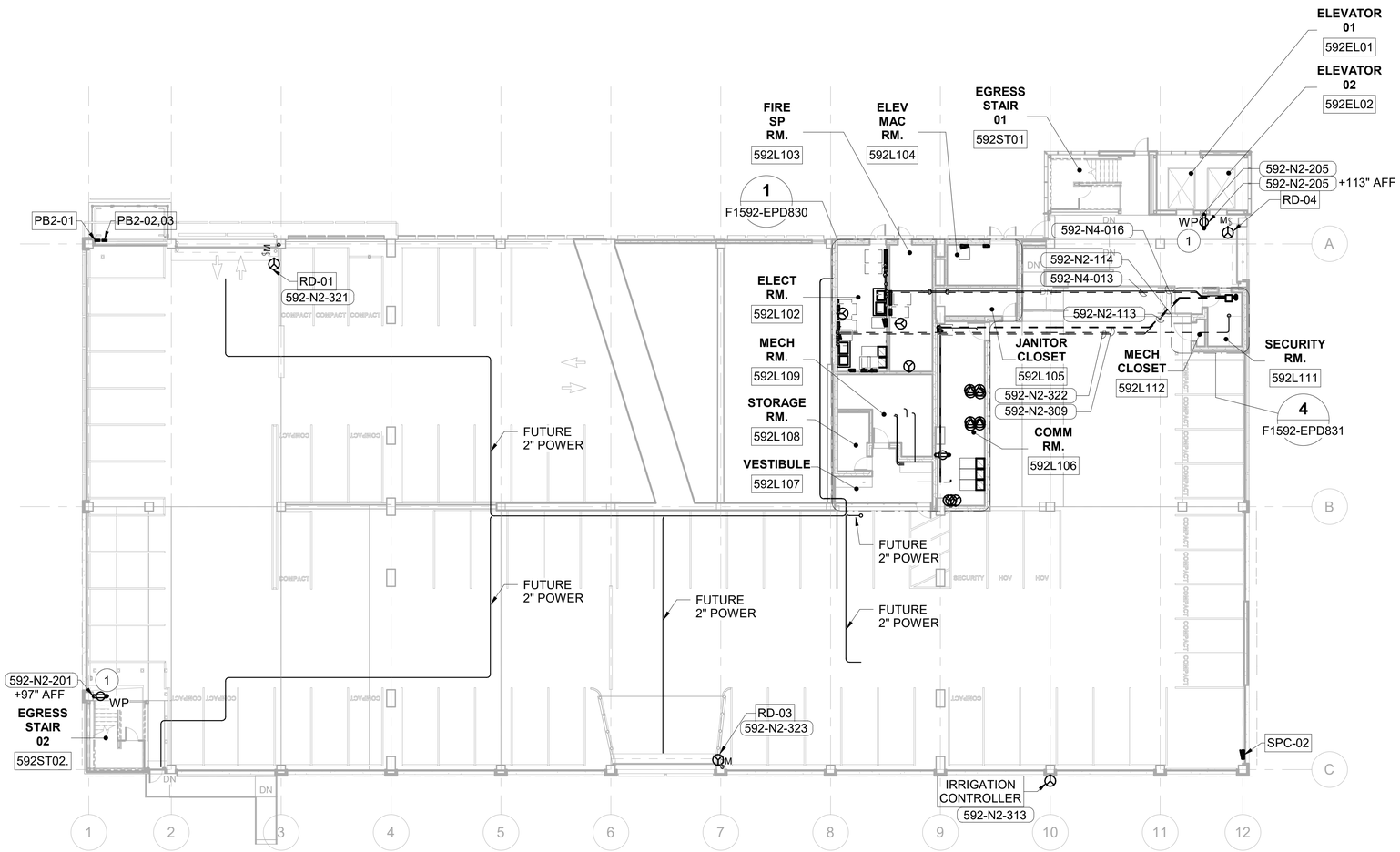
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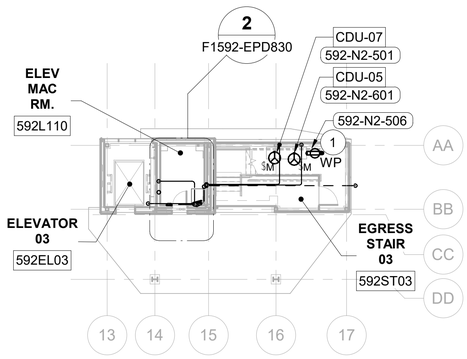
GENERAL NOTES:

1. EQUIPMENT WITHIN ANCILLARY ROOM TO CONDUIT PER SCHEDULE.
2. CONDUIT PATHS ARE SHOWN DIAGRAMMATICALLY, CONTRACTOR SHALL REROUTE TO AVOID OBSTACLES IN THE FIELD. IT IS ACCEPTABLE TO OPTIMIZE INSTALLATION.
3. REFER TO CONDUIT AND CONDUCTOR SCHEDULE FOR CONDUIT AND WIRE SIZES.

CONSTRUCTION NOTES:

(1) RECEPTACLE TO BE WEATHERPROOF, GFCI, AND, LOCKABLE WHETHER IN USE OR NOT.





N

2' 0' 8' 16' 32'

SCALE IN FEET

DESIGN RECORD DRAWING UPDATES ARE BASED ON CONTRACTOR'S REDLINES. THE ITEMS AS SHOWN HAVE NOT BEEN INDEPENDENTLY VERIFIED BY RUSHING.

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	VI	TT	TT	RECORD DRAWINGS

DESIGNED BY: B. HOANG
DRAWN BY: S. TUTHILL
CHECKED BY: T. THAYER
APPROVED BY: T. THAYER

RUSHING Engineering - Essentials - Delivery
HENSEL PHELPS Plan. Build. Manage.
kpff
SOUNDTRANSIT

SUBMITTED BY: SARA ROBERTS
DATE: 10/26/2022
REVIEWED BY: GREG SHIMIZU
DATE: 10/26/2022

LINE IS 1" AT FULL SCALE

SCALE: 1/16" = 1'-0"
FILENAME: S317-F1592-E_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS

ELECTRICAL
POWER PLAN
LEVEL 1 - OVERALL

DRAWING No.: F1592-EPP101
FACILITY ID: F1592
SHEET No.: 540
REV.: 0

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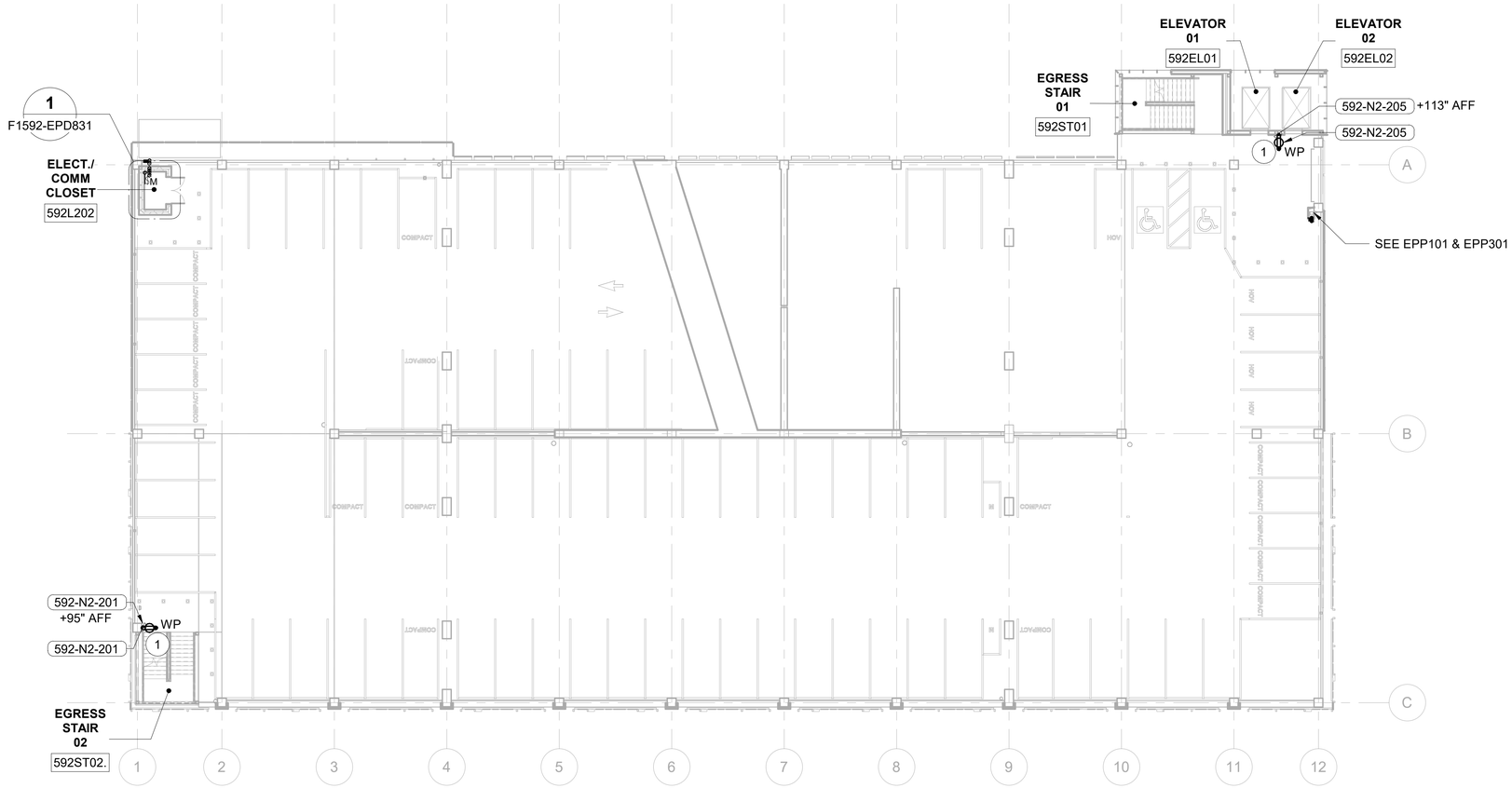
GENERAL NOTES:

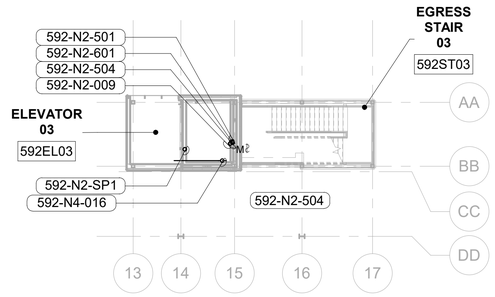
1. EQUIPMENT WITHIN ANCILLARY ROOM TO CONDUIT PER SCHEDULE.
2. CONDUIT PATHS ARE SHOWN DIAGRAMMATICALLY, CONTRACTOR SHALL REROUTE TO AVOID OBSTACLES IN THE FIELD. IT IS ACCEPTABLE TO OPTIMIZE INSTALLATION.
3. REFER TO CONDUIT AND CONDUCTOR SCHEDULE FOR CONDUIT AND WIRE SIZES.

CONSTRUCTION NOTES:

(1) RECEPTACLE TO BE WEATHERPROOF, GFCI, AND, LOCKABLE WHETHER IN USE OR NOT.

(2) COMBINE CONDUCTORS INTO A SINGLE 1" CONDUIT. INCLUDE ONLY ONE EQUIPMENT GROUND MATCHING THE SIZE OF THE LARGEST EQUIPMENT GROUND OF THE CIRCUITS WITHIN THE SAME CONDUIT. EQUIPMENT GROUND SIZES ARE INDICATED ON F1592-EPS950, F1592-EPS951, AND F1592-EPS952.





N

2' 0' 8' 16' 32'

SCALE IN FEET

DESIGN RECORD DRAWING UPDATES ARE BASED ON CONTRACTOR'S REDLINES. THE ITEMS AS SHOWN HAVE NOT BEEN INDEPENDENTLY VERIFIED BY RUSHING.

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	VI	TT	TT	RECORD DRAWINGS

DESIGNED BY: B. HOANG
DRAWN BY: S. TUTHILL
CHECKED BY: T. THAYER
APPROVED BY: T. THAYER

RUSHING Engineering - Essentials - Delivery
SUBMITTED BY: SARA ROBERTS

HENSEL PHELPS Plan. Build. Manage. kpff
DATE: 10/26/2022
REVIEWED BY: GREG SHIMIZU

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT
DATE: 10/26/2022

SCALE: 1/16" = 1'-0"
FILENAME: S317-F1592-E_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS

ELECTRICAL
POWER PLAN
LEVEL 2 - OVERALL

DRAWING No.: F1592-EPP201
FACILITY ID: F1592
SHEET No: 541
REV: 0

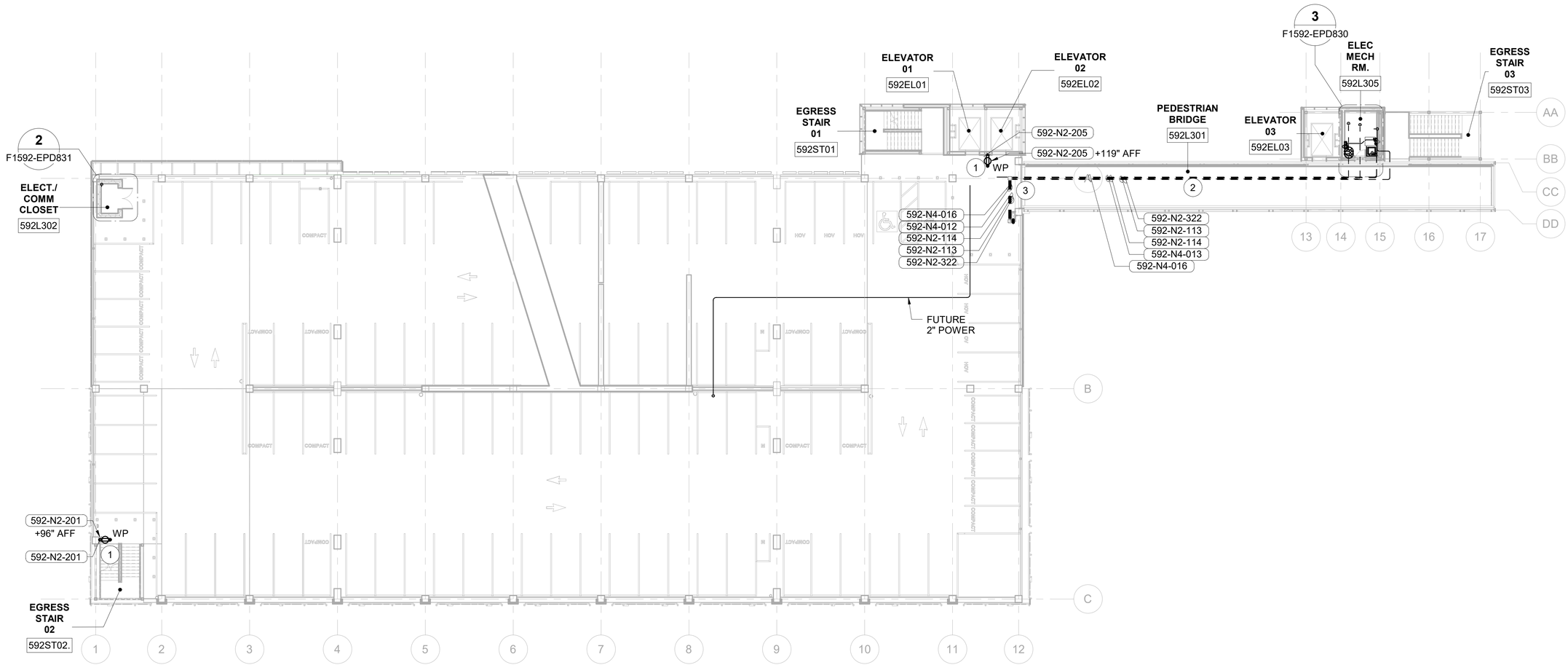
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GENERAL NOTES:

1. EQUIPMENT WITHIN ANCILLARY ROOM TO CONDUIT PER SCHEDULE.
2. CONDUIT PATHS ARE SHOWN DIAGRAMMATICALLY, CONTRACTOR SHALL REROUTE TO AVOID OBSTACLES IN THE FIELD. IT IS ACCEPTABLE TO OPTIMIZE INSTALLATION.
3. REFER TO CONDUIT AND CONDUCTOR SCHEDULE FOR CONDUIT AND WIRE SIZES.

CONSTRUCTION NOTES:

1. RECEPTACLE TO BE WEATHERPROOF, GFCI, AND, LOCKABLE WHETHER IN USE OR NOT.
2. CONDUIT ON THE UNDERSIDE OF THE BRIDGE.
3. SEISMIC LOOP



N

2' 0' 8' 16' 32'

SCALE IN FEET

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FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	VI	TT	TT	RECORD DRAWINGS

DESIGNED BY: B. HOANG
DRAWN BY: S. TUTHILL
CHECKED BY: T. THAYER
APPROVED BY: T. THAYER

RUSHING Engineering - Essentials - Delivery
SUBMITTED BY: SARA ROBERTS

HENSEL PHELPS Plan. Build. Manage.
kpff
DATE: 10/26/2022

REVIEWED BY: GREG SHIMIZU
DATE: 10/26/2022

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT

SCALE: 1/16" = 1'-0"
FILENAME: S317-F1592-E_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS

ELECTRICAL
POWER PLAN
LEVEL 3 - OVERALL

DRAWING No.: F1592-EPP301
FACILITY ID: F1592
SHEET No.: 542
REV.: 0

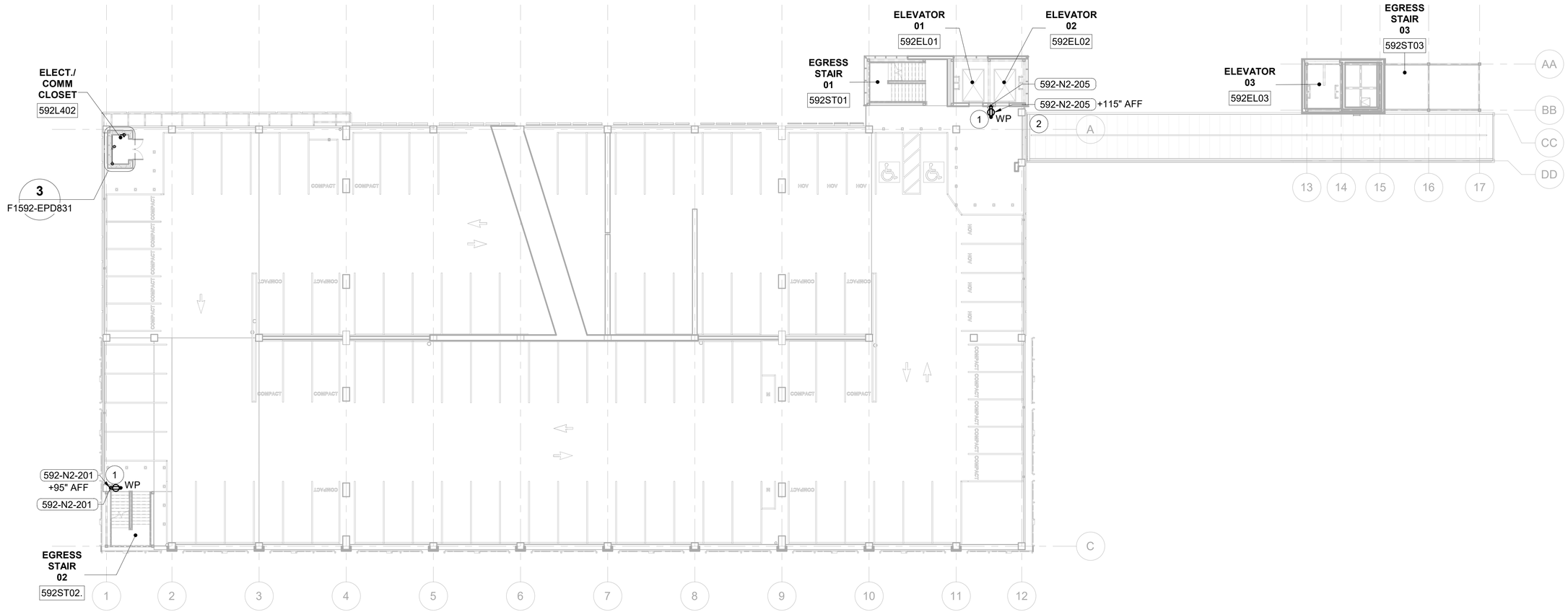
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GENERAL NOTES:

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2. CONDUIT PATHS ARE SHOWN DIAGRAMMATICALLY, CONTRACTOR SHALL REROUTE TO AVOID OBSTACLES IN THE FIELD. IT IS ACCEPTABLE TO OPTIMIZE INSTALLATION.
3. REFER TO CONDUIT AND CONDUCTOR SCHEDULE FOR CONDUIT AND WIRE SIZES.

CONSTRUCTION NOTES:

1. RECEPTACLE TO BE WEATHERPROOF, GFCI, AND, LOCKABLE WHETHER IN USE OR NOT.
2. SEISMIC LOOP



N

2' 0' 8' 16' 32'

SCALE IN FEET

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FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	VI	TT	TT	RECORD DRAWINGS

DESIGNED BY: B. HOANG
DRAWN BY: S. TUTHILL
CHECKED BY: T. THAYER
APPROVED BY: T. THAYER

RUSHING Engineering - Essentials - Delivery
SUBMITTED BY: SARA ROBERTS
DATE: 10/26/2022

HENSEL PHELPS Plan. Build. Manage. kpff
REVIEWED BY: GREG SHIMIZU
DATE: 10/26/2022

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT
SUBMITTAL DATE: 10/26/2022

SCALE: 1/16" = 1'-0"
FILENAME: S317-F1592-E_v2020
CONTRACT No.: RTA/CN 0612-18

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS

ELECTRICAL
POWER PLAN
LEVEL 4 - OVERALL

DRAWING No.: F1592-EPP401
FACILITY ID: F1592
SHEET No.: 543
REV.: 0

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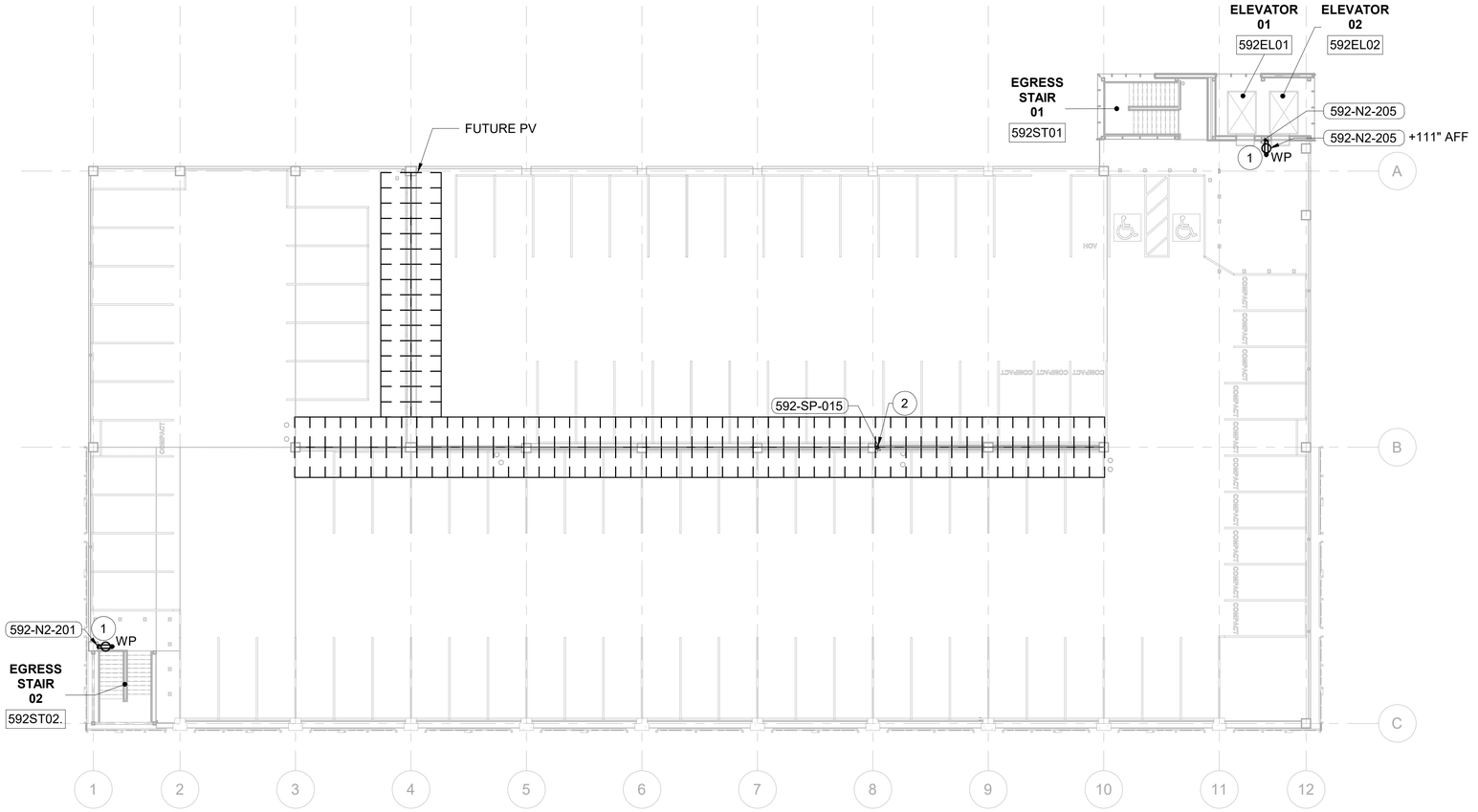
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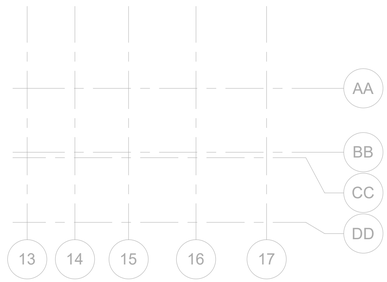
1. EQUIPMENT WITHIN ANCILLARY ROOM TO CONDUIT PER SCHEDULE.
2. CONDUIT PATHS ARE SHOWN DIAGRAMMATICALLY, CONTRACTOR SHALL REROUTE TO AVOID OBSTACLES IN THE FIELD. IT IS ACCEPTABLE TO OPTIMIZE INSTALLATION.
3. REFER TO CONDUIT AND CONDUCTOR SCHEDULE FOR CONDUIT AND WIRE SIZES.

CONSTRUCTION NOTES:

(1) RECEPTACLE TO BE WEATHERPROOF, GFCI, AND, LOCKABLE WHETHER IN USE OR NOT.

(2) CONDUIT STUB UP TO BE CAPPED FOR FUTURE USE.





N

2' 0' 8' 16' 32'

SCALE IN FEET

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FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
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DESIGNED BY: B. HOANG
DRAWN BY: S. TUTHILL
CHECKED BY: T. THAYER
APPROVED BY: T. THAYER

RUSHING Engineering - Essentials - Delivery
SUBMITTED BY: SARA ROBERTS

HENSEL PHELPS Plan. Build. Manage.
kpff
DATE: 10/26/2022
REVIEWED BY: GREG SHIMIZU

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT
DATE: 10/26/2022

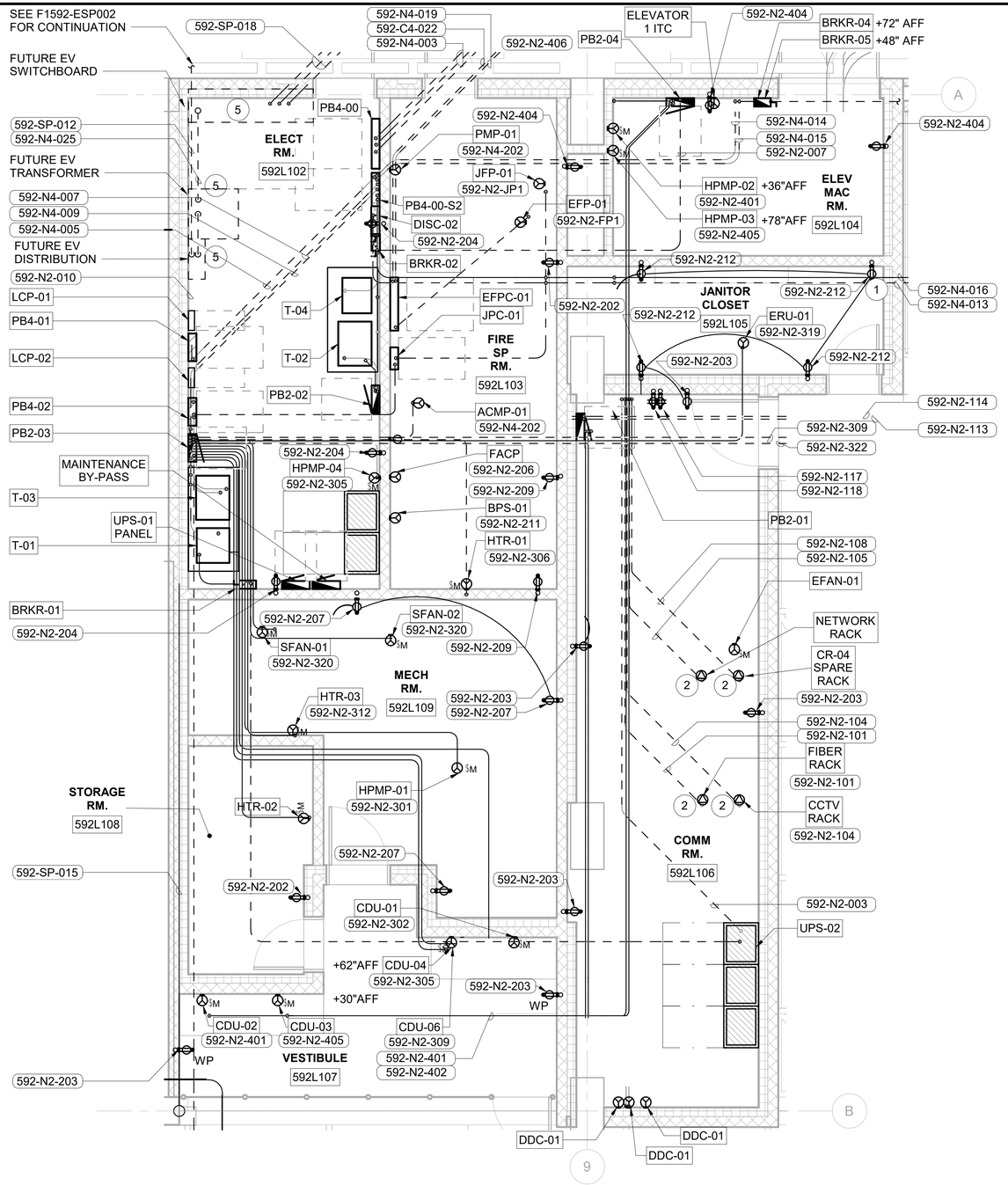
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FILENAME: S317-F1592-E_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS

ELECTRICAL
POWER PLAN
LEVEL 5 - OVERALL

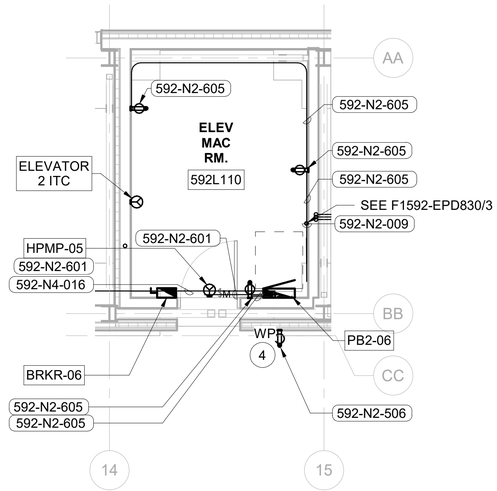
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FACILITY ID: F1592
SHEET No.: 544
REV.: 0

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LEVEL 1 - ANCILLLARY SPACE 1 F1592-EPP101

SCALE: 1/4" = 1'-0"



ELEVATOR MACHINE ROOM L110 2 F1592-EPP101

SCALE: 1/4" = 1'-0"

ELEC MECH ROOM L305 3 F1592-EPP301

SCALE: 1/4" = 1'-0"

GENERAL NOTES:

1. EQUIPMENT WITHIN ANCILLARY ROOM TO CONDUIT PER SCHEDULE.
2. CONDUIT PATHS ARE SHOWN DIAGRAMMATICALLY, CONTRACTOR SHALL REROUTE TO AVOID OBSTACLES IN THE FIELD. IT IS ACCEPTABLE TO OPTIMIZE INSTALLATION.
3. REFER TO CONDUIT AND CONDUCTOR SCHEDULE FOR CONDUIT AND WIRE SIZES.

CONSTRUCTION NOTES:

1. RECEPTACLE TO SERVE HIGH WATER ALARM PLUG.
2. BASE-MOUNTED NEMA L5-20 LOCKING RECEPTACLE.
3. COMBINE CONDUCTORS INTO A SINGLE 2" CONDUIT. INCLUDE ONLY ONE EQUIPMENT GROUND MATCHING THE SIZE OF THE LARGEST EQUIPMENT GROUND OF THE CIRCUITS WITHIN THE SAME CONDUIT. EQUIPMENT GROUND SIZES ARE INDICATED ON F1592-EPS950, F1592-EPS951 & F1592-EPS952.
4. RECEPTACLE TO BE WATERPROOF AND LOCKABLE.
5. CONDUIT STUB UPS TO BE CAPPED FOR FUTURE USE.

N

1' 0 2' 4' 8'

SCALE IN FEET

DESIGN RECORD DRAWING UPDATES ARE BASED ON CONTRACTOR'S REDLINES. THE ITEMS AS SHOWN HAVE NOT BEEN INDEPENDENTLY VERIFIED BY RUSHING.

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0	10/26/2022	VI	TT	TT	RECORD DRAWINGS

DESIGNED BY: B. HOANG
DRAWN BY: S. TUTHILL
CHECKED BY: T. THAYER
APPROVED BY: T. THAYER

RUSHING Engineering - Essentials - Delivery
SUBMITTED BY: SARA ROBERTS
DATE: 10/26/2022

HENSEL PHELPS Plan. Build. Manage.
kpff
REVIEWED BY: GREG SHIMIZU
DATE: 10/26/2022

LINE IS 1" AT FULL SCALE

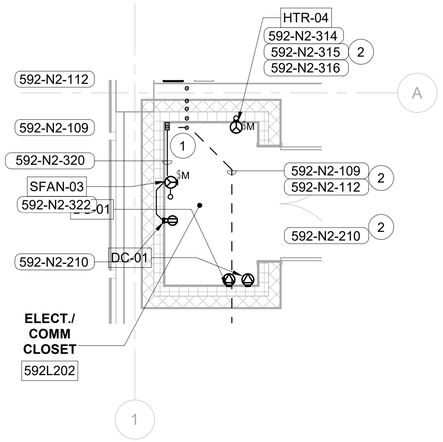
SOUNDTRANSIT
SUBMITTAL DATE: 10/26/2022

SCALE: 1/4" = 1'-0"
FILENAME: S317-F1592-E_v2020
CONTRACT No.: RTA/CN 0612-18

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
ELECTRICAL
POWER
ENLARGED PLANS

DRAWING No.: F1592-EPD830
FACILITY ID: F1592
SHEET No.: 545
REV.: 0

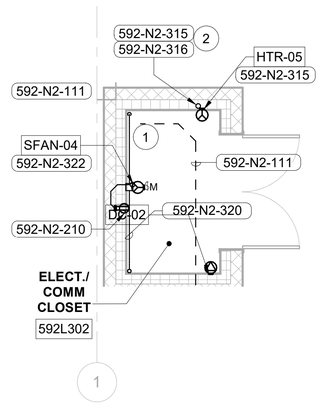
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COMM CLOSET L202

SCALE: 1/4" = 1'-0"

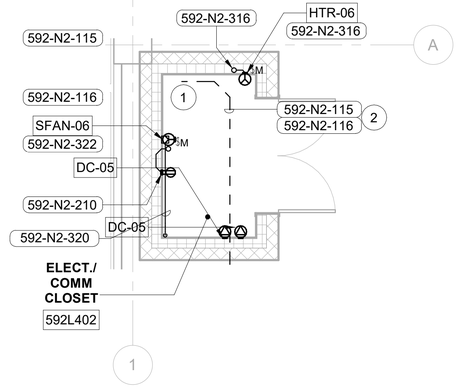
1 F1592-EPP201



COMM CLOSET L302

SCALE: 1/4" = 1'-0"

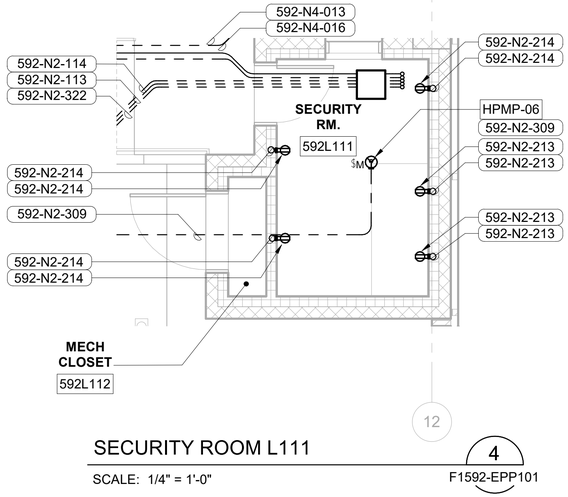
2 F1592-EPP301



COMM CLOSET L402

SCALE: 1/4" = 1'-0"

3 F1592-EPP401



SECURITY ROOM L111

SCALE: 1/4" = 1'-0"

4 F1592-EPP101

GENERAL NOTES:

1. EQUIPMENT WITHIN ANCILLARY ROOM TO CONDUIT PER SCHEDULE.
2. CONDUIT PATHS ARE SHOWN DIAGRAMMATICALLY, CONTRACTOR SHALL REROUTE TO AVOID OBSTACLES IN THE FIELD. IT IS ACCEPTABLE TO OPTIMIZE INSTALLATION.
3. REFER TO CONDUIT AND CONDUCTOR SCHEDULE FOR CONDUIT AND WIRE SIZES.

CONSTRUCTION NOTES:

(1) BASE-MOUNTED NEMA L5-20 LOCKING RECEPTACLE.

(2) COMBINE CONDUCTORS INTO A SINGLE 1" CONDUIT. INCLUDE ONLY ONE EQUIPMENT GROUND MATCHING THE SIZE OF THE LARGEST EQUIPMENT GROUND OF THE CIRCUITS WITHIN THE SAME CONDUIT. EQUIPMENT GROUND SIZES ARE INDICATED ON F1592-EPS950, F1592-EPS951, AND F1592-EPS952.

N

1' 0 2' 4' 8'

SCALE IN FEET

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FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	VI	TT	TT	RECORD DRAWINGS

DESIGNED BY: B. HOANG
DRAWN BY: S. TUTHILL
CHECKED BY: T. THAYER
APPROVED BY: T. THAYER

RUSHING Engineering - Essentials - Delivery

HENSEL PHELPS Plan. Build. Manage.

kpff

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT

SUBMITTED BY: SARA ROBERTS
DATE: 10/26/2022
REVIEWED BY: GREG SHIMIZU
DATE: 10/26/2022

SCALE: 1/4" = 1'-0"
FILENAME: S317-F1592-E_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS

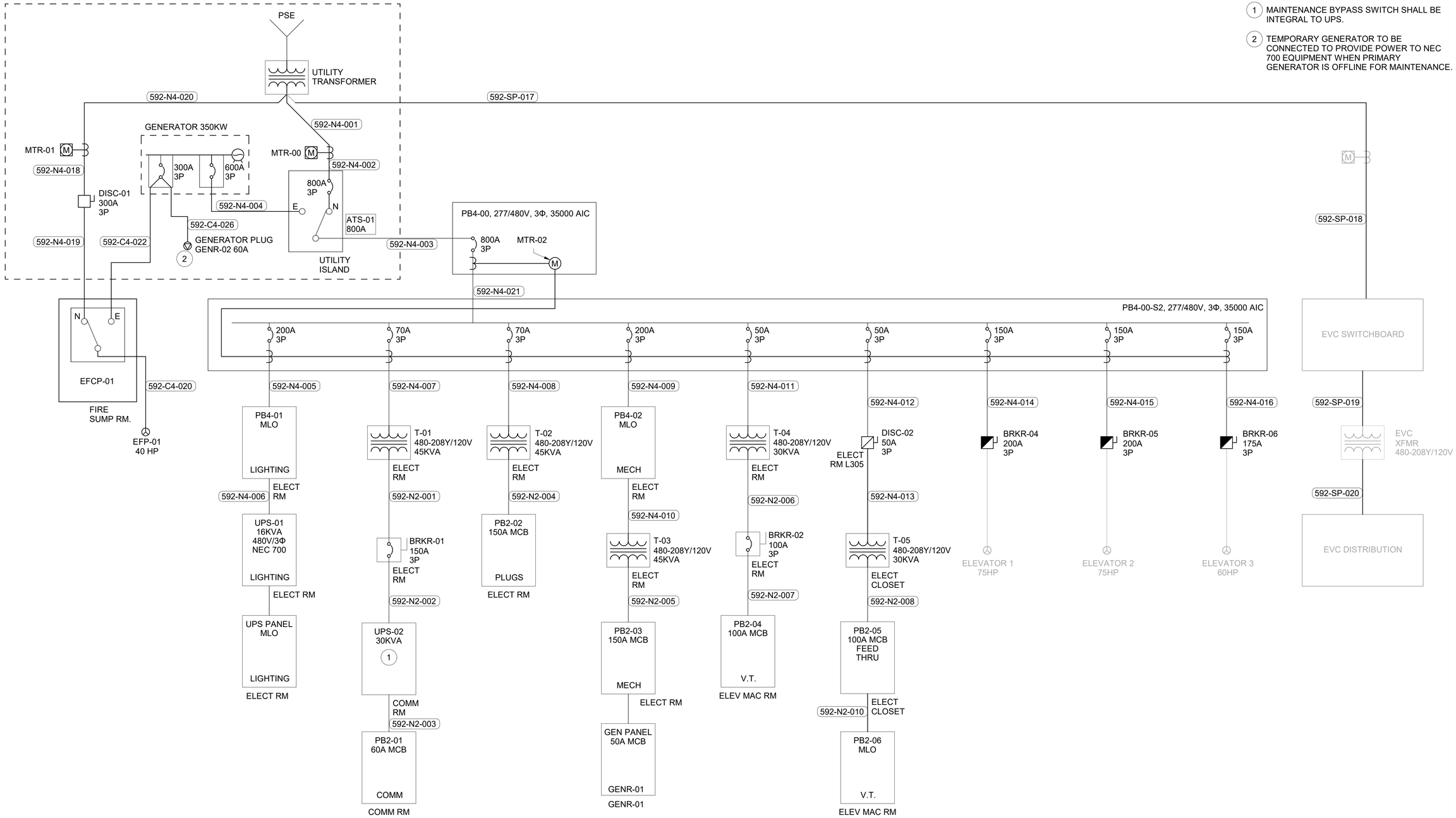
ELECTRICAL
POWER
ENLARGED PLANS

DRAWING No.: F1592-EPD831
FACILITY ID: F1592
SHEET No: 546
REV: 0

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CONSTRUCTION NOTES:

1. MAINTENANCE BYPASS SWITCH SHALL BE INTEGRAL TO UPS.
2. TEMPORARY GENERATOR TO BE CONNECTED TO PROVIDE POWER TO NEC 700 EQUIPMENT WHEN PRIMARY GENERATOR IS OFFLINE FOR MAINTENANCE.



DESIGN RECORD DRAWING UPDATES ARE BASED ON CONTRACTOR'S REDLINES. THE ITEMS AS SHOWN HAVE NOT BEEN INDEPENDENTLY VERIFIED BY RUSHING.

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DESIGNED BY: B. HOANG
DRAWN BY: S. TUTHILL
CHECKED BY: T. THAYER
APPROVED BY: T. THAYER

RUSHING Engineering – Essentials – Delivery
SUBMITTED BY: SARA ROBERTS

HENSEL PHELPS Plan. Build. Manage. kpff
DATE: 10/26/2022

REVIEWED BY: GREG SHIMIZU
DATE: 10/26/2022

SOUNDTRANSIT
SUBMITTAL DATE: 10/26/2022

LINE IS 1" AT FULL SCALE

SCALE: NTS
FILENAME: S317-F1592-E_v2020
CONTRACT No.: RTA/CN 0612-18

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
ELECTRICAL POWER ONE-LINE DIAGRAM

DRAWING No.: F1592-EPS930
FACILITY ID: F1592
SHEET No.: 547
REV.: 0

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CONDUIT & CONDUCTOR SCHEDULE - FEEDER

CONDUIT TAG	FROM	CIRCUIT	TO	SETS	CONDUIT SIZE	POLES	WIRE SIZE (XHHW-2)		
							LINE	NEUTRAL	GROUND
592-N4-003	ATS-01		PB4-00	3	3"	3	350kcmil	350kcmil	#2
592-N2-002	BRKR-01		UPS-02	1	1 1/2"	3	#1/0	#1/0	#6
592-N2-007	BRKR-02		PB2-04	1	1 1/2"	3	#1	#1	#8
592-N4-019	DISC-01	1,3,5	EFPC-01	1	2"	3	#1/0	#1/0	#1
592-N4-013	DISC-02	1,3,5	T-05	1	1"	3	#4	-	#8
592-C4-020	EFPC-01	1,3,5	EFP-01	1	1"	3	#6	-	#8
592-C4-022	GENR-01		EFPC-01	1	1 1/4"	3	#6	-	#10
592-N4-004	GENR-01		ATS-01	2	3"	3	500kcmil	500kcmil	#1
592-C4-026	GENR-01		GENR-02	1	1 1/4"	3	#4	#4	#8
592-N4-002	MTR-00		ATS-01	4	3"	3	500kcmil	500kcmil	-
592-N4-018	MTR-01		DISC-01	1	2"	3	#1/0	#1/0	#6
592-N2-010	PB2-05	5,7,9	PB2-06	1	1 1/4"	3	#1	#1	#8
592-N4-021	PB4-00	1,3,5	PB4-00-S2	3	3"	3	350kcmil	350kcmil	1/0
592-N4-016	PB4-00-S2	1,3,5	BRKR-06	1	1 1/2"	3	#1/0	#1/0	#6
592-N4-007	PB4-00-S2	2,4,6	T-01	1	1 1/4"	3	#4	-	#8
592-N4-008	PB4-00-S2	7,9,11	T-02	1	1 1/4"	3	#4	-	#8
592-N4-012	PB4-00-S2	8,10,12	DISC-02/ PB2-05 VIA T-05	1	1"	3	#4	#4	#8
592-N4-011	PB4-00-S2	13,15,17	T-04	1	1"	3	#6	-	#10
592-N4-014	PB4-00-S2	19,21,23	BRKR-04	1	1 1/2"	3	#1	#1	#6
592-N4-005	PB4-00-S2	20,22,24	PB4-01	1	2"	3	3/0	3/0	#6
592-N4-015	PB4-00-S2	25,27,29	BRKR-05	1	1 1/2"	3	#1	#1	#6
592-N4-009	PB4-00-S2	26,28,30	PB4-02	1	2"	3	3/0	3/0	#6
592-N4-006	PB4-01	36	UPS-01	1	1"	1	#3	#3	#8
592-N4-010	PB4-02	13,15,17	T-03	1	1 1/4"	3	#4	-	#8
592-N2-001	T-01		BRKR-01	1	1 1/2"	3	#1/0	#1/0	#6
592-N2-004	T-02		PB2-02	1	2"	3	1/0	1/0	#6
592-N2-005	T-03		PB2-03	1	2"	3	1/0	1/0	#6
592-N2-006	T-04		BRKR-02	1	1 1/2"	3	#1	#1	#8
592-N2-008	T-05		PB2-05	1	1 1/2"	3	#1	#1	#6
592-N2-003	UPS-02		PB2-01	1	1 1/2"	3	1/0	1/0	#6
592-N4-001	UTILITY TRANSFORMER		MTR-00	4	3"	3	500kcmil	500kcmil	-
592-N4-020	UTILITY TRANSFORMER		MTR-01	1	2"	3	#1/0	#1/0	-

DESIGN RECORD DRAWING UPDATES ARE BASED ON CONTRACTOR'S REDLINES. THE ITEMS AS SHOWN HAVE NOT BEEN INDEPENDENTLY VERIFIED BY RUSHING.

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	VI	TT	TT	RECORD DRAWINGS

DESIGNED BY: B. HOANG
DRAWN BY: S. TUTHILL
CHECKED BY: T. THAYER
APPROVED BY: T. THAYER

RUSHING Engineering - Essentials - Delivery
SUBMITTED BY: SARA ROBERTS
DATE: 10/26/2022

HENSEL PHELPS Plan. Build. Manage. kpff
REVIEWED BY: GREG SHIMIZU
DATE: 10/26/2022

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT
SUBMITTAL DATE: 10/26/2022

SCALE: NTS
FILENAME: S317-F1592-E_v2020
CONTRACT No.: RTA/CN 0612-18

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
ELECTRICAL
POWER
CONDUIT/CONDUCTOR FEEDER SCHEDULE

DRAWING No.: F1592-EPS950
FACILITY ID: F1592
SHEET No.: 548
REV.: 0

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CONDUIT & CONDUCTOR SCHEDULE - 480/277 BRANCH

CONDUIT TAG	FROM	CIRCUIT	TO	SETS	CONDUIT SIZE	POLES	WIRE SIZE (XHHW-2)		
							CONDUCTOR	NEUTRAL	GROUND
592-N4-701	JPC-01	1,3,5	JFP-01	1	1"	3	#12	#12	#12
592-N4-102	PB4-01	2	LVL 1 SOUTH TRANSITION ZONE A	1	1"	1	#12	#12	#12
592-N4-104	PB4-01	4	LVL 1 SOUTH TRANSITION ZONE B	1	1"	1	#12	#12	#12
592-N4-106	PB4-01	6	LVL1 NORTH TRANSITION ZONE A	1	1"	1	#12	#12	#12
592-N4-107	PB4-01	7	LVL 1 DRIVE ISLE LTG & SW POLE	1	1"	1	#12	#12	#12
592-N4-108	PB4-01	8	LVL1 NORTH TRANSITION ZONE B	1	1"	1	#12	#12	#12
592-N4-109	PB4-01	9	LEVEL 2 DRIVE ISLE LTG	1	1"	1	#10	#10	#10
592-N4-110	PB4-01	10	ELEVATOR 01 & 02 LOBBY LTG	1	1"	1	#12	#12	#12
592-N4-111	PB4-01	11	LEVEL 3 DRIVE ISLE LTG	1	1"	1	#10	#10	#10
592-N4-112	PB4-01	12	ELEVATOR 01 & 02 EXTERIOR LTG	1	1"	1	#12	#12	#12
592-N4-113	PB4-01	13	LEVEL 4 DRIVE ISLE LTG	1	1"	1	#12	#12	#12
592-N4-114	PB4-01	14	PEDESTRIAN BRIDGE	1	1"	1	#12	#12	#12
592-N4-126	PB4-01	15	POLE L76 ROOF						
592-N4-116	PB4-01	16	SITE NORTH POLES A	1	1"	1	#6	#6	#6
592-N4-117	PB4-01	17	LEVEL 1 GARAGE EXTERIOR LTG	1	1"	1	#12	#12	#12
592-N4-118	PB4-01	18	SITE NORTH POLES B	1	1"	1	#8	#8	#8
592-N4-120	PB4-01	20	SITE NORTH POLES C	1	1"	1	#6	#6	#6
592-N4-121	PB4-01	21	ELEVATOR 03 EXTERIOR LTG	1	1"	1	#12	#12	#12
592-N4-122	PB4-01	22	SITE EAST POLES	1	1"	1	#12	#12	#12
592-N4-123	PB4-01	23	ANCILLARY ROOM LTG	1	1"	1	#12	#12	#12
592-N4-124	PB4-01	24	LVL 4 TRANSITION ZONE A	1	1"	1	#12	#12	#12
592-N4-126	PB4-01	26	LVL 4 TRANSITION ZONE B	1	1"	1	#12	#12	#12
592-N4-119	PB4-01	30	LCP-01	1	1"	1	#12	#12	#12
592-N4-207	PB4-02	1,3,5	HWH-01						
592-N4-	PB4-02	2,4,6	AIR COMPRESSOR ACMP-01						
592-N4-202	PB4-02	14,16,18	PMP-01	1	1"	3	#12	#12	#12
592-N4-207	PB4-02	19,21,23	EJPC-01 JOCKEY PUMP	1	1"	3	#12	#12	#12
592-C4-101	UPS-01	1	GARAGE EM LTG	1	1"	1	#12	#12	#12
592-C4-104	UPS-01	3	GARAGE EM LTG	1	1"	1	#12	#12	#12
592-C4-106	UPS-01	5	LEVEL 5 POLES AND EG. STAIR 01	1	1"	1	#10	#10	#10

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No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	VI	TT	TT	RECORD DRAWINGS

DESIGNED BY: B. HOANG
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RUSHING Engineering - Essentials - Delivery
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HENSEL PHELPS Plan. Build. Manage. kpff
REVIEWED BY: GREG SHIMIZU
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LINE IS 1" AT FULL SCALE

SOUNDTRANSIT

SCALE: NTS
FILENAME: S317-F1592-E_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
ELECTRICAL
POWER
CONDUIT/CONDUCTOR 480/277V SCHEDULE

DRAWING No.: F1592-EPS951
FACILITY ID: F1592
SHEET No: 549
REV: 0

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CONDUIT & CONDUCTOR SCHEDULE - 208/120 BRANCH

CONDUIT TAG	FROM	CIRCUIT	TO	SETS	CONDUIT SIZE	POLES	WIRE SIZE (XHHW-2)		
							CONDUCTOR	NEUTRAL	GROUND
592-N2-109	PB2-01	9	DC-01 CABINET RM 592L202	1	1"	1	#6	#6	#6
592-N2-111	PB2-01	11	DC-02 CABINET RM 592L302	1	1"	1	#8	#8	#8
592-N2-112	PB2-01	12	DC-01 CABINET RM 592L202	1	1"	1	#6	#6	#6
592-N2-114	PB2-01	13	DDC-01 COMM RM 592L106						
592-N2-113	PB2-01	14	DC-04 CABINET RM 592L305	1	1"	1	#6	#6	#6
592-N2-115	PB2-01	15	DC-05 CABINET RM 592L402	1	1"	1	#6	#6	#6
592-N2-116	PB2-01	16	DC-05 CABINET RM 592L305	1	1"	1	#6	#6	#6
592-N2-117	PB2-01	17	TBB REC RM 592L106	1	1"	1	#12	#12	#12
592-N2-118	PB2-01	18	TBB REC RM 592L106	1	1"	1	#12	#12	#12
592-N2-119	PB2-01	19	DDC-01 COMM RM 592L106	1	1"	1	#12	#12	#12
592-N2-121	PB2-01	21	BPS-3 RM 592L402						
592-N2-120	PB2-01	22	DDC-01 CABINET RM 592L106	1	1"	1	#12	#12	#12
592-N2-201	PB2-02	1	S STAIR RECEPTACLES	1	1"	1	#6	#6	#6
592-N2-202	PB2-02	2	VESTIBULE RECEPTACLES	1	1"	1	#12	#12	#12
592-N2-203	PB2-02	3	COMMS ROOM RECEPTACLES	1	1"	1	#12	#12	#12
592-N2-204	PB2-02	4	ELECTRICAL ROOM RECEPTACLES	1	1"	1	#12	#12	#12
592-N2-205	PB2-02	5	W ELEV LOBBY RECEPTACLES	1	1"	1	#10	#10	#10
592-N2-206	PB2-02	6	FACP/FA CALLOUT TRANS/ CES TALK	1	1"	1	#12	#12	#12
592-N2-207	PB2-02	7	MECH ROOM RECEPTACLES	1	1"	1	#12	#12	#12
592-N2-209	PB2-02	9	FIRE SP RM RECEPTACLES	1	1"	1	#12	#12	#12
592-N2-210	PB2-02	10	COMM CLOSET RECEPTACLES	1	1"	1	#10	#10	#10
592-N2-211	PB2-02	11	BPS-1	1	1"	1	#12	#12	#12
592-N2-212	PB2-02	12	JANITOR ROOM RECEPTACLES	1	1"	1	#12	#12	#12
592-N2-213	PB2-02	13	SECURITY ROOM RECEPTACLES	1	1"	1	#12	#12	#12
592-N2-214	PB2-02	14	SECURITY ROOM RECEPTACLES	1	1"	1	#12	#12	#12
592-N2-201	PB2-02	16	CES STAIR 2						
592-N2-205	PB2-02	19	GARAGE ELEVATOR LOBBY CES						
592-N2-301	PB2-03	1,3	HPMP-01	1	1"	2	#12	#12	#12
592-N2-302	PB2-03	2,4	CDU-01	1	1"	2	#8	#8	#10
592-N2-309	PB2-03	5,7	HPMP-04;CDU-04	1	1"	2	#10	#10	#10
592-N2-306	PB2-03	6	HTR-01	1	1"	1	#12	#12	#12
592-N2-309	PB2-03	9,11	HPMP-06;CDU-06	1	1"	2	#12	#12	#12
592-N2-310	PB2-03	10	HTR-02	1	1"	1	#10	#10	#10
592-N2-312	PB2-03	12	HTR-03	1	1"	1	#12	#12	#12
592-N2-313	PB2-03	13	IRRIGATION CONTROLLER	1	1"	1	#12	#12	#12
592-N2-314	PB2-03	14	HTR-04	1	1"	1	#10	#10	#10
592-N2-315	PB2-03	15	HTR-05	1	1"	1	#10	#10	#10
592-N2-317	PB2-03	17	SPC-02	1	1"	1	#2	#2	#3
592-N2-319	PB2-03	19	ERU-01	1	1"	1	#12	#12	#12
592-N2-320	PB2-03	20	SFAN-01,02	1	1"	1	#12	#12	#12
592-N2-321	PB2-03	21	RD-01	1	1"	1	#8	#8	#8
592-N2-322	PB2-03	22	SFAN-03,04,06	1	1"	1	#12	#12	#12
592-N2-323	PB2-03	23	RD-03	1	1"	1	#10	#10	#10
592-N2-305	PB2-03	24	SFAN-05	1	1"	1	#12	#12	#12
592-N2-325	PB2-03	25	RD-04	1	1"	1	#10	#10	#10
592-N2-316	PB2-03	26	HTR-06	1	1"	1	#8	#8	#8
592-N2-305	PB2-03	27	JANITOR CLOSET HTR						
592-N2-305	PB2-03	29	JANITOR CLOSET EFAN						
592-N2-401	PB2-04	1,3	HPMP-02;CDU-02	1	1"	2	#8	#8	#10
592-N2-402	PB2-04	2	W ELEVATOR PIT LIGHTING	1	1"	1	#12	#12	#12
592-N2-405	PB2-04	5,7	HPMP-03;CDU-03	1	1"	2	#8	#8	#10
592-N2-408	PB2-04	8	W ELEV MACH RM LIGHTING						
592-N2-409	PB2-04	9	ELEV 1 PIT RECEPTACLE	1	1"	1	#12	#12	#12
592-N2-410	PB2-04	10	ELEV-01 OIL COOLER						
592-N2-411	PB2-04	11	ELEV-01 CAR LTG						
592-N2-412	PB2-04	12	ELEV-02 OIL COOLER						
592-N2-413	PB2-04	13	ELEV-02 CAR LTG						
592-N2-404	PB2-04	14	W ELEV RECEPTACLES	1	1"	1	#12	#12	#12
592-N2-416	PB2-04	16	ELEV-01/ELEV-02 SHUNT						
592-N2-501	PB2-05	1,3	HPMP-07;CDU-07	1	1"	2	#12	#12	#12
592-N2-SP1	PB2-05	2	SPC-01	1	1"	1	#12	#12	#12
592-N2-504	PB2-05	4	RD-02	1	1"	1	#12	#12	#12
592-N2-506	PB2-05	6	ELEC MECH RM RECEPTACLES	1	1"	1	#8	#8	#8
592-N2-508	PB2-05	8	BIKE LOCKERS	1	1"	1	#12	#12	#12
592-N2-510	PB2-05	10	E ELEV LOBBY RECEPTACLES	1	1"	1	#12	#12	#12
592-N2-601	PB2-06	1,3	HPMP-05;CDU-05	1	1"	2	#8	#8	#10
592-N2-602	PB2-06	2	ELEV-03 SHUNT TRIP						

CONDUIT & CONDUCTOR SCHEDULE - 208/120 BRANCH

CONDUIT TAG	FROM	CIRCUIT	TO	SETS	CONDUIT SIZE	POLES	WIRE SIZE (XHHW-2)		
							CONDUCTOR	NEUTRAL	GROUND
592-N2-604	PB2-06	4	HYDRAULIC FLUID COOLER						
592-N2-605	PB2-06	5	RCPT IN ELEV MACH RM	1	1"	1	#12	#12	#12
592-N2-607	PB2-06	7	ELEVATOR 3 PIT LIGHTING	1	1"	1	#12	#12	#12
592-N2-608	PB2-06	8	ELEV-03 CARLIGHT						
592-N2-609	PB2-06	9	E ELEV MACH RM LIGHTING	1	1"	1	#12	#12	#12
592-N2-606	PB2-06	13	ITC-02 ELEV-03 CAMERAS	1	1"	1	#12	#12	#12
592-N2-608	PB2-06	14	ELEV 3 PIT RECEPTACLE	1	1"	1	#12	#12	#12
592-N2-SP1	SPC-01	1	SP-01	1	1"	1	#12	#12	#12
592-N2-SP2	SPC-02	1	SP-02	1	1"	1	#10	#10	#10
592-N2-SP3	SPC-02	2	SP-03	1	1"	1	#12	#12	#12

SPARE CONDUIT SCHEDULE

CONDUIT TAG	FROM	TO	SETS	CONDUIT SIZE
592-SP-001	FUTURE EVC EQUIPMENT	EVC	1	1"
592-SP-002	FUTURE EVC EQUIPMENT	EVC	1	1"
592-SP-003	FUTURE EVC EQUIPMENT	EVC	1	1"
592-SP-004	FUTURE EVC EQUIPMENT	EVC	1	1"
592-SP-005	FUTURE EVC EQUIPMENT	EVC	1	1"
592-SP-006	FUTURE EVC EQUIPMENT	EVC	1	1"
592-SP-007	FUTURE EVC EQUIPMENT	EVC	1	1"
592-SP-008	FUTURE EVC EQUIPMENT	EVC	1	1"
592-SP-009	FUTURE EVC EQUIPMENT	EVC	1	1"
592-SP-010	FUTURE EVC EQUIPMENT	EVC	1	1"
592-SP-011	FUTURE EVC EQUIPMENT	EVC	1	1"
592-SP-012	FUTURE EVC EQUIPMENT	EVC	1	1"
592-SP-013	FUTURE EVC EQUIPMENT	EVC	1	1"
592-SP-014	IRRIGATION CONTROLLER	LANDSCAPING	1	1-1/2"
592-SP-015	FUTURE PV	FUTURE PV METER	1	1-1/4"
592-SP-016	FUTURE EVC EQUIPMENT	EVC	1	1"
592-SP-017	UTILITY FRMR	FUTURE METER	4	3"
592-SP-018	FUTURE METER	FUTURE SWBD	4	3"
592-SP-019	FUTURE SWBD	FUTURE XFMR	4	3"
592-SP-020	FUTURE XFMR	FUTURE PANEL	4	3"
592-SP-021	FUTURE PV METER	ELECT RM. 592L102	1	1-1/4"

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RUSHING Engineering - Essentials - Delivery
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HENSEL PHELPS Plan. Build. Manage.
kpff
DATE: 10/26/2022

REVIEWED BY: GREG SHIMIZU

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT
DATE: 10/26/2022

SCALE: NTS
FILENAME: S317-F1592-E_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
ELECTRICAL
POWER
CONDUIT/CONDUCTOR 208/120V SCHEDULE

DRAWING No.: F1592-EPS952
FACILITY ID: F1592
SHEET No: 550
REV: 0

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PANEL: PB4-00-S2

LOCATION: ELECT RM. 592L102
SUPPLY FROM: PB4-00
MOUNTING: SURFACE
ENCLOSURE: NEMA 12

VOLTS: 480/277 Wye
PHASES: 3
WIRES: 4

A.I.C. 35,000 AMPS SYMMETRICAL
MAINS TYPE: MLO
BUSS RATING: 800A
MCB RATING: 800A

CKT	NOTE	CIRCUIT DESCRIPTION	TYPE	TRIP	POLES	A		B		C		POLES	TRIP	TYPE	CIRCUIT DESCRIPTION	NOTE	CKT
1		BRKR-06	VT	125 A	3	21.34	4.64					3	70 A	R; E	T-01		2
3	--	--	--	--	--			21.34	6.42			--	--	--	--	--	4
5	--	--	--	--	--					21.34	4.59	--	--	--	--	--	6
7		T-02	R; E	70 A	3	2.62	6.44					3	50 A	R; E; ...	DISC-02/ PB2-05 VIA T-05		8
9	--	--	--	--	--			2.98	2.36			--	--	--	--	--	10
11	--	--	--	--	--					2.82	6.02	--	--	--	--	--	12
13		T-04	R; E; ...	50 A	3	5.98	0.00					--	--	--	BLANK	--	14
15	--	--	--	--	--			4.14	0.00			--	--	--	BLANK	--	16
17	--	--	--	--	--					4.79	0.00	--	--	--	BLANK	--	18
19		BRKR-04	VT	125 A	3	26.60	12.17					3	150 A	E; L	PB4-01		20
21	--	--	--	--	--			26.60	8.92			--	--	--	--	--	22
23	--	--	--	--	--					26.60	19.45	--	--	--	--	--	24
25		BRKR-05	VT	125 A	3	26.60	15.93					3	200 A	E; H; M	PB4-02		26
27	--	--	--	--	--			26.60	22.75			--	--	--	--	--	28
29	--	--	--	--	--					26.60	20.48	--	--	--	--	--	30
				TOTAL LOAD:		122.33 kVA		122.13 kVA		132.69 kVA							
				TOTAL AMPS:		442 A		441 A		479 A							

LOAD SUMMARY	LOAD TYPE	CONNECTED LOAD	DEMAND FACTOR	DEMAND	PANEL TOTALS
LIGHTING	L	41397 VA	125.00%	51747 VA	
MOTOR	M	26115 VA	107.40%	28048 VA	**TOTAL CONNECTED LOAD:** 377.15 kVA
RECEPTACLE	R	10080 VA	50.00%	5040 VA	**TOTAL DEMAND LOAD:** 384.39 kVA
EQUIPMENT	E	63163 VA	100.00%	63163 VA	**TOTAL CONNECTED AMPS:** 454 A
HEATING	H	12750 VA	100.00%	12750 VA	**TOTAL ESTIMATED DEMAND:** 462 A
ELEVATOR	VT	223643 VA	100.00%	223643 VA	**W/ ADDITIONAL 25% RESERVE:** 616 A

NOTES:
1. NOT FOR USE FOR ELECTRIC VEHICLE CHARGING.

PANEL: PB4-01

LOCATION: ELECT RM. 592L102
SUPPLY FROM: PB4-00-S2
MOUNTING: SURFACE
ENCLOSURE: NEMA 12

VOLTS: 480/277 Wye
PHASES: 3
WIRES: 4

A.I.C. 25,000 AMPS SYMMETRICAL
MAINS TYPE: MLO
BUSS RATING: 250A
MCB RATING: MLO

CKT	NOTE	CIRCUIT DESCRIPTION	TYPE	TRIP	POLES	A		B		C		POLES	TRIP	TYPE	CIRCUIT DESCRIPTION	NOTE	CKT
1		Spare	--	20 A	1	0.00	1.24					1	20 A	L	LVL 1 SOUTH TRANSITION ZON...		2
3		Spare	--	20 A	1			0.00	1.48			1	20 A	L	LVL 1 SOUTH TRANSITION ZON...		4
5		Spare	--	20 A	1					0.00	1.81	1	20 A	L	LVL1 NORTH TRANSITION ZON...		6
7		LVL 1 DRIVE ISLE LTG & SW...	L	20 A	1	2.35	1.81					1	20 A	L	LVL1 NORTH TRANSITION ZON...		8
9		LEVEL 2 DRIVE ISLE LTG	L	20 A	1			2.01	1.15			1	20 A	L	ELEVATOR 01 & 02 LOBBY LTG		10
11		LEVEL 3 DRIVE ISLE LTG	L	20 A	1					1.96	0.51	1	20 A	L	ELEVATOR 01 & 02 EXTERIOR...		12
13		LEVEL 4 DRIVE ISLE LTG	L	20 A	1	1.70	0.78					1	20 A	L	PEDESTRIAN BRIDGE		14
15		POLE L76 ROOF	L	20 A	1			0.30	2.81			1	20 A	L	SITE NORTH POLES A		16
17		LEVEL 1 GARAGE EXTERIOR LTG	L	20 A	1					0.36	2.49	1	20 A	L	SITE NORTH POLES B		18
19		Spare	--	20 A	1	0.00	2.38					1	20 A	L	SITE NORTH POLES C		20
21		ELEVATOR 03 EXTERIOR LTG	L	20 A	1			0.46	0.54			1	20 A	L	SITE EAST POLES		22
23		ANCILLARY ROOM LTG	L	20 A	1					0.53	1.81	1	20 A	L	LVL 4 TRANSITION ZONE A		24
25		Spare	--	20 A	1	0.00	1.81					1	20 A	L	LVL 4 TRANSITION ZONE B		26
27		Spare	--	20 A	1			0.00	0.18			1	20 A	E	P SPPLY LTG CTRLS INJECTOR		28
29	--	Space	--	--	--					0.00	0.10	1	20 A	L	LCP-01		30
31		LCP-02	L	20 A	1	0.10	0.00					--	--	--	Space	--	32
33	--	Space	--	--	--			0.00	0.00			--	--	--	Space	--	34
35	--	Space	--	--	--					0.00	9.88	1	100 A	L	UPS-01		36
37	--	Space	--	--	--	0.00	0.00					--	--	--	Space	--	38
39	--	Space	--	--	--			0.00	0.00			--	--	--	Space	--	40
41	--	Space	--	--	--					0.00	0.00	--	--	--	Space	--	42
				TOTAL LOAD:		12.17 kVA		8.92 kVA		19.45 kVA							
				TOTAL AMPS:		46 A		32 A		72 A							

LOAD SUMMARY	LOAD TYPE	CONNECTED LOAD	DEMAND FACTOR	DEMAND	PANEL TOTALS
LIGHTING	L	40363 VA	125.00%	50454 VA	
MOTOR	M	0 VA	0.00%	0 VA	**TOTAL CONNECTED LOAD:** 40.54 kVA
RECEPTACLE	R	0 VA	0.00%	0 VA	**TOTAL DEMAND LOAD:** 50.63 kVA
EQUIPMENT	E	180 VA	100.00%	180 VA	**TOTAL CONNECTED AMPS:** 49 A
HEATING	H	0 VA	0.00%	0 VA	**TOTAL ESTIMATED DEMAND:** 61 A
ELEVATOR	VT	0 VA	0.00%	0 VA	**W/ ADDITIONAL 25% RESERVE:** 81 A

NOTES:
1. NOT FOR USE FOR ELECTRIC VEHICLE CHARGING.

DESIGN RECORD DRAWING UPDATES ARE BASED ON CONTRACTOR'S REDLINES. THE ITEMS AS SHOWN HAVE NOT BEEN INDEPENDENTLY VERIFIED BY RUSHING.

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	VI	TT	TT	RECORD DRAWINGS

DESIGNED BY: B. HOANG
DRAWN BY: S. TUTHILL
CHECKED BY: T. THAYER
APPROVED BY: T. THAYER

RUSHING Engineering - Essentials - Delivery
SUBMITTED BY: SARA ROBERTS

HENSEL PHELPS Plan. Build. Manage.
kpff
DATE: 10/26/2022
REVIEWED BY: GREG SHIMIZU

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT
DATE: 10/26/2022

SCALE: NTS
FILENAME: S317-F1592-E_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
ELECTRICAL
POWER
PANEL SCHEDULES

DRAWING No.: F1592-EPS953
FACILITY ID: F1592
SHEET No.: 551
REV.: 0

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PANEL: PB4-02

LOCATION: ELECT RM. 592L102
SUPPLY FROM: PB4-00-S2
MOUNTING: SURFACE
ENCLOSURE: NEMA 12

VOLTS: 480/277 Wye
PHASES: 3
WIRES: 4

A.I.C. 25,000 AMPS SYMMETRICAL
MAINS TYPE: MLO
BUSS RATING: 250A
MCB RATING: MLO

CKT	NOTE	CIRCUIT DESCRIPTION	TYPE	TRIP	POLES	A		B		C		POLES	TRIP	TYPE	CIRCUIT DESCRIPTION	NOTE	CKT
1		HWH-01	H	20 A	3	2.00	0.96					3	20 A	M	AIR COMPRESSOR ACMP-01		2
3	--	--	--	--	--			2.00	0.96			--	--	--	--	--	4
5	--	--	--	--	--					2.00	0.96	--	--	--	--	--	6
7		Spare	--	20 A	1	0.00	0.00					1	20 A	--	Spare		8
9		Spare	--	20 A	1			0.00	0.00			1	20 A	--	Spare		10
11		Spare	--	20 A	1					0.00	0.00	1	20 A	--	Spare		12
13		T-03	E; H; M	80 A	3	9.06	2.58					3	20 A	M	PMP-01		14
15	--	--	--	--	--			15.88	2.58			--	--	--	--	--	16
17	--	--	--	--	--					13.61	2.58	--	--	--	--	--	18
19		EJPC-01 JOCKEY PUMP	M	20 A	3	1.33	0.00					--	--	--	BLANK	--	20
21	--	--	--	--	--			1.33	0.00			--	--	--	BLANK	--	22
23	--	--	--	--	--					1.33	0.00	--	--	--	BLANK	--	24
				TOTAL LOAD:		15.93 kVA		22.75 kVA		20.48 kVA							
				TOTAL AMPS:		58 A		85 A		76 A							

LOAD SUMMARY	LOAD TYPE	CONNECTED LOAD	DEMAND FACTOR	DEMAND	PANEL TOTALS
LIGHTING	L	0 VA	0.00%	0 VA	
MOTOR	M	23547 VA	108.21%	25480 VA	**TOTAL CONNECTED LOAD:** 59.16 kVA
RECEPTACLE	R	0 VA	0.00%	0 VA	**TOTAL DEMAND LOAD:** 61.09 kVA
EQUIPMENT	E	22862 VA	100.00%	22862 VA	**TOTAL CONNECTED AMPS:** 71 A
HEATING	H	12750 VA	100.00%	12750 VA	**TOTAL ESTIMATED DEMAND:** 73 A
ELEVATOR	VT	0 VA	0.00%	0 VA	**W/ ADDITIONAL 25% RESERVE:** 98 A
ELECTRIC VEHICLE CHARGING	EV	0 VA	0.00%	0 VA	

NOTES:
1. NOT FOR USE FOR ELECTRIC VEHICLE CHARGING.

UPS: UPS-01

LOCATION: ELECT RM. 592L102
SUPPLY FROM: PB4-01
MOUNTING: PAD
ENCLOSURE: NEMA 12

VOLTS: 277
PHASE: 1
WIRES: 2

A.I.C. RATING 25,000 AMP SYMMETRICAL
MAINS TYPE MLO
MAINS RATING 100A
MCB RATING

CKT	CIRCUIT DESCRIPTION	# OF POLES	FRAME SIZE	TRIP RATING	Load	REMARKS
1	GARAGE EM LTG	1	20 A	20 A	2502 VA	
2	Spare	1	--	20 A	0 VA	
3	GARAGE EM LTG	1	20 A	20 A	3871 VA	
4	Spare	1	--	20 A	0 VA	
5	LEVEL 5 POLES AND EG. STAIR 01	1	20 A	20 A	3503 VA	
6	Spare	1	--	20 A	0 VA	
7	Spare	1	--	20 A	0 VA	
8	Spare	1	--	20 A	0 VA	
9	Spare	1	--	20 A	0 VA	
10	Spare	1	--	20 A	0 VA	
11	Spare	1	--	20 A	0 VA	
12	Spare	1	--	20 A	0 VA	
13	Space	--	--	--	0 VA	--
14	Space	--	--	--	0 VA	--
15	Space	--	--	--	0 VA	--
16	Space	--	--	--	0 VA	--
17	Space	--	--	--	0 VA	--
18	Space	--	--	--	0 VA	--
				TOTAL CONN. LOAD:	9876 VA	
				TOTAL AMPS:	36 A	

LOAD SUMMARY	LOAD TYPE	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND	PANEL SUMMARY
LIGHTING	L	9876 VA	125.00%	12345 VA	
MOTOR	M	0 VA	0.00%	0 VA	**TOTAL CONNECTED LOAD:** 9876 VA
RECEPTACLE	R	0 VA	0.00%	0 VA	**TOTAL ESTIMATED DEMAND:** 12345 VA
EQUIPMENT	E	0 VA	0.00%	0 VA	**TOTAL CONNECTED AMPS:** 36 A
HEATING	H	0 VA	0.00%	0 VA	**TOTAL ESTIMATED DEMAND:** 45 A
ELEVATOR	VT	0 VA	0.00%	0 VA	
ELECTRIC VEHICLE CHARGING	EV	0 VA	0.00%	0 VA	

NOTES:
1. NOT FOR USE FOR ELECTRIC VEHICLE CHARGING.

DESIGN RECORD DRAWING UPDATES ARE BASED ON CONTRACTOR'S REDLINES. THE ITEMS AS SHOWN HAVE NOT BEEN INDEPENDENTLY VERIFIED BY RUSHING.

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	VI	TT	TT	RECORD DRAWINGS

DESIGNED BY: B. HOANG
DRAWN BY: S. TUTHILL
CHECKED BY: T. THAYER
APPROVED BY: T. THAYER

RUSHING Engineering – Essentials – Delivery
SUBMITTED BY: SARA ROBERTS

HENSEL PHELPS Plan. Build. Manage. kpff
DATE: 10/26/2022
REVIEWED BY: GREG SHIMIZU

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT
DATE: 10/26/2022

SCALE: NTS
FILENAME: S317-F1592-E_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
ELECTRICAL
POWER
PANEL SCHEDULES

DRAWING No.: F1592-EPS954
FACILITY ID: F1592
SHEET No: 552
REV: 0

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PANEL: PB2-01

LOCATION: ELECT RM 592L102
SUPPLY FROM: UPS-02
MOUNTING: SURFACE
ENCLOSURE: NEMA 12

VOLTS: 120/208 Wye
PHASES: 3
WIRES: 4

A.I.C. 10,000 AMPS SYMMETRICAL
MAINS TYPE: MCB
BUSS RATING: 100A
MCB RATING: 60 A

CKT	NOTE	CIRCUIT DESCRIPTION	TYPE	TRIP	POLES	A		B		C		POLES	TRIP	TYPE	CIRCUIT DESCRIPTION	NOTE	CKT
1		CR-01A FIBER RACK	E	20 A	1	0.22	0.00					1	20 A	--	Spare		2
3		CR-01B FIBER RACK	E	20 A	1			0.22	0.84			1	20 A	E	CR-02A CCTV RACK		4
5		CR-03A NETWORK RACK	E	20 A	1					0.92	0.84	1	20 A	E	CR-02B CCTV RACK		6
7		CR-03B NETWORK RACK	E	20 A	1	0.92	0.00					1	20 A	E	CR-04A SPARE RACK		8
9		DC-01 CABINET RM 592L202	E	20 A	1			1.28	0.00			1	20 A	E	CR-04B SPARE RACK		10
11		DC-02 CABINET RM 592L302	E	20 A	1					0.81	1.30	1	20 A	E	DC-01 CABINET RM 592L202		12
13		DDC-01 COMM RM 592L106	E	20 A	1	1.10	1.30					1	20 A	E	DC-04 CABINET RM 592L305		14
15		DC-05 CABINET RM 592L402	E	20 A	1			1.30	1.28			1	20 A	E	DC-05 CABINET RM 592L305		16
17		TBB REC RM 592L106	R	20 A	1					0.36	0.36	1	20 A	R	TBB REC RM 592L106		18
19		DDC-01 COMM RM 592L106	E	20 A	1	1.10	0.00					1	20 A	--	Spare		20
21		BPS-3 RM 592L402	E	20 A	1			0.40	1.10			1	20 A	E	DDC-01 CABINET RM 592L106		22
23		Spare	--	20 A	1					0.00	0.00	1	20 A	--	Spare		24
25		Spare	--	20 A	1	0.00	0.00					1	20 A	--	Spare		26
27		Spare	--	20 A	1			0.00	0.00			1	20 A	--	Spare		28
29		Spare	--	20 A	1					0.00	0.00	1	20 A	--	Spare		30
31		Spare	--	20 A	1	0.00	0.00					1	20 A	--	Spare		32
33		Spare	--	20 A	1			0.00	0.00			1	20 A	--	Spare		34
35		Spare	--	20 A	1					0.00	0.00	1	20 A	--	Spare		36
37		Spare	--	20 A	1	0.00	0.00					1	20 A	--	Spare		38
39		Spare	--	20 A	1			0.00	0.00			1	20 A	--	Spare		40
41		Spare	--	20 A	1					0.00	0.00	1	20 A	--	Spare		42
				TOTAL LOAD:		4.64 kVA		6.42 kVA		4.59 kVA							
				TOTAL AMPS:		39 A		54 A		38 A							

LOAD SUMMARY	LOAD TYPE	CONNECTED LOAD	DEMAND FACTOR	DEMAND	PANEL TOTALS
LIGHTING	L	0 VA	0.00%	0 VA	
MOTOR	M	0 VA	0.00%	0 VA	**TOTAL CONNECTED LOAD:** 15.65 kVA
RECEPTACLE	R	720 VA	100.00%	720 VA	**TOTAL DEMAND LOAD:** 15.65 kVA
EQUIPMENT	E	14933 VA	100.00%	14933 VA	**TOTAL CONNECTED AMPS:** 43 A
HEATING	H	0 VA	0.00%	0 VA	**TOTAL ESTIMATED DEMAND:** 43 A
ELEVATOR	VT	0 VA	0.00%	0 VA	**W/ ADDITIONAL 25% RESERVE:** 58 A

NOTES:
1. NOT FOR USE FOR ELECTRIC VEHICLE CHARGING.

PANEL: PB2-02

LOCATION: ELECT RM. 592L102
SUPPLY FROM: T-02
MOUNTING: SURFACE
ENCLOSURE: NEMA 12

VOLTS: 120/208 Wye
PHASES: 3
WIRES: 4

A.I.C. 10,000 AMPS SYMMETRICAL
MAINS TYPE: MCB
BUSS RATING: 150A
MCB RATING: 150A

CKT	NOTE	CIRCUIT DESCRIPTION	TYPE	TRIP	POLES	A		B		C		POLES	TRIP	TYPE	CIRCUIT DESCRIPTION	NOTE	CKT
1		S STAIR RECEPTACLES	R	20 A	1	0.90	0.18					1	20 A	R	VESTIBULE RECEPTACLES		2
3		COMMS ROOM RECEPTACLES	R	20 A	1			1.08	0.54			1	20 A	R	ELECTRICAL ROOM...		4
5		W ELEV LOBBY RECEPTACLES	R	20 A	1					0.90	1.00	1	20 A	E	FACP/FA CALLOUT TRANS/ CES...		6
7		MECH ROOM RECEPTACLES	R	20 A	1	0.54	0.00					1	20 A	--	Spare		8
9		FIRE SP RM RECEPTACLES	R	20 A	1			0.72	0.54			1	20 A	R	COMM CLOSET RECEPTACLES		10
11		BPS-1	E	20 A	1					0.20	0.72	1	20 A	R	JANITOR ROOM RECEPTACLES		12
13		SECURITY ROOM RECEPTACLES	R	20 A	1	0.36	0.54					1	20 A	R	SECURITY ROOM RECEPTACLES		14
15		Spare	--	20 A	1			0.00	0.10			1	20 A	E	CES STAIR 2		16
17		Spare	--	20 A	1					0.00	0.00	1	20 A	--	Spare		18
19		GARAGE ELEVATOR LOBBY CES	E	20 A	1	0.10	0.00					1	20 A	--	Spare		20
21		Spare	--	20 A	1			0.00	0.00			1	20 A	--	Spare		22
23		Spare	--	20 A	1					0.00	0.00	1	20 A	--	Spare		24
25		Spare	--	20 A	1	0.00	0.00					1	20 A	--	Spare		26
27		Spare	--	20 A	1			0.00	0.00			2	50 A	--	Spare		28
29		Spare	--	20 A	1					0.00	0.00	--	--	--	--	--	30
				TOTAL LOAD:		2.62 kVA		2.98 kVA		2.82 kVA							
				TOTAL AMPS:		22 A		25 A		24 A							

LOAD SUMMARY	LOAD TYPE	CONNECTED LOAD	DEMAND FACTOR	DEMAND	PANEL TOTALS
LIGHTING	L	0 VA	0.00%	0 VA	
MOTOR	M	0 VA	0.00%	0 VA	**TOTAL CONNECTED LOAD:** 8.42 kVA
RECEPTACLE	R	7020 VA	100.00%	7020 VA	**TOTAL DEMAND LOAD:** 8.42 kVA
EQUIPMENT	E	1400 VA	100.00%	1400 VA	**TOTAL CONNECTED AMPS:** 23 A
HEATING	H	0 VA	0.00%	0 VA	**TOTAL ESTIMATED DEMAND:** 23 A
ELEVATOR	VT	0 VA	0.00%	0 VA	**W/ ADDITIONAL 25% RESERVE:** 31 A

NOTES:
1. NOT FOR USE FOR ELECTRIC VEHICLE CHARGING.

DESIGN RECORD DRAWING UPDATES ARE BASED ON CONTRACTOR'S REDLINES. THE ITEMS AS SHOWN HAVE NOT BEEN INDEPENDENTLY VERIFIED BY RUSHING.

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	VI	TT	TT	RECORD DRAWINGS

DESIGNED BY: B. HOANG
DRAWN BY: S. TUTHILL
CHECKED BY: T. THAYER
APPROVED BY: T. THAYER

RUSHING Engineering - Essentials - Delivery
SUBMITTED BY: SARA ROBERTS

HENSEL PHELPS Plan. Build. Manage. kpff
DATE: 10/26/2022
REVIEWED BY: GREG SHIMIZU

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT
DATE: 10/26/2022

SCALE: NTS
FILENAME: S317-F1592-E_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
ELECTRICAL
POWER
PANEL SCHEDULES

DRAWING No.: F1592-EPS955
FACILITY ID: F1592
SHEET No: 553
REV: 0

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PANEL: PB2-03

LOCATION: ELECT RM. 592L102
SUPPLY FROM: T-03
MOUNTING: SURFACE
ENCLOSURE: NEMA 12

VOLTS: 120/208 Wye
PHASES: 3
WIRES: 4

A.I.C. 10,000 AMPS SYMMETRICAL
MAINS TYPE: MCB
BUSS RATING: 150A
MCB RATING: 150A

CKT	NOTE	CIRCUIT DESCRIPTION	TYPE	TRIP	POLES	A		B		C		POLES	TRIP	TYPE	CIRCUIT DESCRIPTION	NOTE	CKT
1		HPMP-01	E	20 A	2	0.43	3.02					2	40 A	E	CDU-01		2
3	--	--	--	--	--			0.43	3.02			--	--	--	--	--	4
5		HPMP-04;CDU-04	E	30 A	2					2.08	1.50	1	20 A	H	HTR-01		6
7	--	--	--	--	--	2.08	0.00					1	20 A	--	Spare		8
9		HPMP-06;CDU-06	E	30 A	2			1.25	0.75			1	20 A	H	HTR-02		10
11	--	--	--	--	--					1.25	0.75	1	20 A	H	HTR-03		12
13		IRRIGATION CONTROLLER	E	20 A	1	0.23	0.75					1	20 A	H	HTR-04		14
15		HTR-05	H	20 A	1			0.75	0.01			1	20 A	E	FLOOR DRAIN TRAP PRIMER		16
17		SPC-02	M	40 A	1					3.84	0.00	1	20 A	--	Spare		18
19		ERU-01	E	20 A	1	0.10	0.53					1	20 A	M	SFAN-01,02		20
21		RD-01	M	20 A	1			1.18	0.70			1	20 A	M	SFAN-03,04,06		22
23		RD-03	M	20 A	1					1.18	0.26	1	20 A	M	SFAN-05		24
25		RD-04	M	20 A	1	1.18	0.75					1	20 A	H	HTR-06		26
27		JANITOR CLOSET HTR	H	20 A	1			1.50	6.30			2	20 A	E	GENERATOR PANEL		28
29		JANITOR CLOSET EFAN	M	20 A	1					0.08	2.68	--	--	--	--	--	30
					TOTAL LOAD:	9.06 kVA		15.88 kVA		13.61 kVA							
					TOTAL AMPS:	76 A		138 A		119 A							

LOAD SUMMARY	LOAD TYPE	CONNECTED LOAD	DEMAND FACTOR	DEMAND	PANEL TOTALS
LIGHTING	L	0 VA	0.00%	0 VA	
MOTOR	M	8944 VA	105.37%	9424 VA	**TOTAL CONNECTED LOAD:** 38.56 kVA
RECEPTACLE	R	0 VA	0.00%	0 VA	**TOTAL DEMAND LOAD:** 39.04 kVA
EQUIPMENT	E	22862 VA	100.00%	22862 VA	**TOTAL CONNECTED AMPS:** 107 A
HEATING	H	6750 VA	100.00%	6750 VA	**TOTAL ESTIMATED DEMAND:** 108 A
ELEVATOR	VT	0 VA	0.00%	0 VA	**W/ ADDITIONAL 25% RESERVE:** 144 A

NOTES:
1. NOT FOR USE FOR ELECTRIC VEHICLE CHARGING.

PANEL: PB2-04

LOCATION: ELEV MAC RM. 592L104
SUPPLY FROM: BRKR-02
MOUNTING: SURFACE
ENCLOSURE: NEMA 12

VOLTS: 120/208 Wye
PHASES: 3
WIRES: 4

A.I.C. 10,000 AMPS SYMMETRICAL
MAINS TYPE: MCB
BUSS RATING: 100A
MCB RATING: 100A

CKT	NOTE	CIRCUIT DESCRIPTION	TYPE	TRIP	POLES	A		B		C		POLES	TRIP	TYPE	CIRCUIT DESCRIPTION	NOTE	CKT
1		HPMP-02;CDU-02	E	30 A	2	2.70	0.15					1	20 A	L	W ELEVATOR PIT LIGHTING		2
3	--	--	--	--	--			2.70	0.36			1	20 A	R	W ELEV RECEPTACLES		4
5		HPMP-03;CDU-03	E	30 A	2					2.70	1.19	1	20 A	E	ITC-01 EL-01 & EL-02 CAMERAS		6
7	--	--	--	--	--	2.70	0.04					1	20 A	L	W ELEV MACH RM LIGHTING		8
9		ELEV 1 PIT RECEPTACLE	R	20 A	1			0.18	0.70			1	20 A	M	ELEV-01 OIL COOLER		10
11		ELEV-01 CAR LTG	L	15 A	1					0.20	0.70	1	20 A	M	ELEV-02 OIL COOLER		12
13		ELEV-02 CAR LTG	L	15 A	1	0.20	0.18					1	20 A	R	W ELEV RECEPTACLES		14
15	--	Space	--	--	--			0.00	0.20			1	20 A	E	ELEV-01/ELEV-02 SHUNT		16
17	--	Space	--	--	--					0.00	0.00	--	--	--	Space	--	18
19	--	Space	--	--	--	0.00	0.00					--	--	--	Space	--	20
21	--	Space	--	--	--			0.00	0.00			--	--	--	Space	--	22
23	--	Space	--	--	--					0.00	0.00	--	--	--	Space	--	24
					TOTAL LOAD:	5.98 kVA		4.14 kVA		4.79 kVA							
					TOTAL AMPS:	51 A		35 A		41 A							

LOAD SUMMARY	LOAD TYPE	CONNECTED LOAD	DEMAND FACTOR	DEMAND	PANEL TOTALS
LIGHTING	L	596 VA	125.00%	745 VA	
MOTOR	M	1392 VA	112.50%	1566 VA	**TOTAL CONNECTED LOAD:** 14.91 kVA
RECEPTACLE	R	720 VA	100.00%	720 VA	**TOTAL DEMAND LOAD:** 15.24 kVA
EQUIPMENT	E	12204 VA	100.00%	12204 VA	**TOTAL CONNECTED AMPS:** 41 A
HEATING	H	0 VA	0.00%	0 VA	**TOTAL ESTIMATED DEMAND:** 42 A
ELEVATOR	VT	0 VA	0.00%	0 VA	**W/ ADDITIONAL 25% RESERVE:** 56 A
ELECTRIC VEHICLE CHARGING	EV	0 VA	0.00%	0 VA	

NOTES:
1. NOT FOR USE FOR ELECTRIC VEHICLE CHARGING.

DESIGN RECORD DRAWING UPDATES ARE BASED ON CONTRACTOR'S REDLINES. THE ITEMS AS SHOWN HAVE NOT BEEN INDEPENDENTLY VERIFIED BY RUSHING.

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	VI	TT	TT	RECORD DRAWINGS

DESIGNED BY: B. HOANG
DRAWN BY: S. TUTHILL
CHECKED BY: T. THAYER
APPROVED BY: T. THAYER

RUSHING Engineering - Essentials - Delivery
SUBMITTED BY: SARA ROBERTS

HENSEL PHELPS Plan. Build. Manage. kpff
DATE: 10/26/2022
REVIEWED BY: GREG SHIMIZU

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT
DATE: 10/26/2022

SCALE: NTS
FILENAME: S317-F1592-E_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
ELECTRICAL
POWER
PANEL SCHEDULES

DRAWING No.: F1592-EPS956
FACILITY ID: F1592
SHEET No.: 554
REV.: 0

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PANEL: PB2-05

LOCATION: ELEC MECH RM. 592L305
SUPPLY FROM: T-05
MOUNTING: SURFACE
ENCLOSURE: NEMA 1

VOLTS: 120/208 Wye
PHASES: 3
WIRES: 4

A.I.C. 10,000 AMPS SYMMETRICAL
MAINS TYPE: MCB
BUSS RATING: 100 A
MCB RATING: 100 A

CKT	NOTE	CIRCUIT DESCRIPTION	TYPE	TRIP	POLES	A		B		C		POLES	TRIP	TYPE	CIRCUIT DESCRIPTION	NOTE	CKT
1		HPMP-07;CDU-07	E	20 A	2	1.14	1.18					1	20 A	M	SPC-01		2
3	--	--	--	--	--			1.14	0.00			1	20 A	M	RD-02		4
5		PB2-06	R; E; L	20 A	3					5.30	0.54	1	20 A	R	ELEC MECH RM RECEPTACLES		6
7	--	--	--	--	--	3.33	0.29					1	20 A	E	BIKE LOCKERS		8
9	--	--	--	--	--			0.54	0.18			1	20 A	R	E ELEV LOBBY RECEPTACLES		10
11		REC - HPMP-07	R	20 A	1					0.18	0.00	1	20 A	--	Spare		12
13		Spare	--	20 A	1	0.00	0.50					1	20 A	E	CES Abutment		14
15		Spare	--	20 A	1			0.00	0.50			1	20 A	E	BPS-02		16
17		Spare	--	20 A	1					0.00	0.00	1	20 A	--	Spare		18
19		Spare	--	20 A	1	0.00	0.00					1	20 A	--	Spare		20
21		Spare	--	50 A	2			0.00	0.00			1	20 A	--	Spare		22
23	--	--	--	--	--					0.00	0.00	1	20 A	--	Spare		24
				TOTAL LOAD:		6.44 kVA		2.36 kVA		6.02 kVA							
				TOTAL AMPS:		58 A		20 A		55 A							

LOAD SUMMARY	LOAD TYPE	CONNECTED LOAD	DEMAND FACTOR	DEMAND	PANEL TOTALS
LIGHTING	L	438 VA	125.00%	548 VA	
MOTOR	M	1176 VA	125.00%	1470 VA	**TOTAL CONNECTED LOAD:** 14.82 kVA
RECEPTACLE	R	1620 VA	100.00%	1620 VA	**TOTAL DEMAND LOAD:** 15.22 kVA
EQUIPMENT	E	11584 VA	100.00%	11584 VA	**TOTAL CONNECTED AMPS:** 41 A
HEATING	H	0 VA	0.00%	0 VA	**TOTAL ESTIMATED DEMAND:** 42 A
ELEVATOR	VT	0 VA	0.00%	0 VA	**W/ ADDITIONAL 25% RESERVE:** 56 A
ELECTRIC VEHICLE CHARGING	EV	0 VA	0.00%	0 VA	

NOTES:

PANEL: PB2-06

LOCATION: ELEV MAC RM. 592L110
SUPPLY FROM: PB2-05
MOUNTING: SURFACE
ENCLOSURE: NEMA 12

VOLTS: 120/208 Wye
PHASES: 3
WIRES: 4

A.I.C. 10,000 AMPS SYMMETRICAL
MAINS TYPE: MCB
BUSS RATING: 100A
MCB RATING: 60A

CKT	NOTE	CIRCUIT DESCRIPTION	TYPE	TRIP	POLES	A		B		C		POLES	TRIP	TYPE	CIRCUIT DESCRIPTION	NOTE	CKT
1		HPMP-05;CDU-05	E	30 A	2	2.70	0.10					1	20 A	E	ELEV-03 SHUNT TRIP		2
3	--	--	--	--	--			2.70	0.50			1	20 A	E	HYDRAULIC FLUID COOLER		4
5		RCPT IN ELEV MACH RM	R	20 A	1					0.54	0.00	--	--	--	Space	--	6
7		ELEVATOR 3 PIT LIGHTING	L	20 A	1	0.11	0.20					1	15 A	L	ELEV-03 CARLIGHT		8
9		E ELEV MACH RM LIGHTING	L	20 A	1			0.12	0.00			--	--	--	Space	--	10
11	--	Space	--	--	--					0.00	0.00	--	--	--	Space	--	12
13		ITC-02 ELEV-03 CAMERAS	E	20 A	1	2.00	0.18					1	20 A	R	ELEV 3 PIT RECEPTACLE		14
15	--	Space	--	--	--			0.00	0.00			--	--	--	Space	--	16
17	--	Space	--	--	--					0.00	0.00	--	--	--	Space	--	18
19	--	Space	--	--	--	0.00	0.00					--	--	--	Space	--	20
21	--	Space	--	--	--			0.00	0.00			--	--	--	Space	--	22
23	--	Space	--	--	--					0.00	0.00	--	--	--	Space	--	24
				TOTAL LOAD:		5.30 kVA		3.33 kVA		0.54 kVA							
				TOTAL AMPS:		48 A		31 A		5 A							

LOAD SUMMARY	LOAD TYPE	CONNECTED LOAD	DEMAND FACTOR	DEMAND	PANEL TOTALS
LIGHTING	L	438 VA	125.00%	548 VA	
MOTOR	M	0 VA	0.00%	0 VA	**TOTAL CONNECTED LOAD:** 9.17 kVA
RECEPTACLE	R	720 VA	100.00%	720 VA	**TOTAL DEMAND LOAD:** 9.28 kVA
EQUIPMENT	E	8008 VA	100.00%	8008 VA	**TOTAL CONNECTED AMPS:** 25 A
HEATING	H	0 VA	0.00%	0 VA	**TOTAL ESTIMATED DEMAND:** 26 A
ELEVATOR	VT	0 VA	0.00%	0 VA	**W/ ADDITIONAL 25% RESERVE:** 34 A
ELECTRIC VEHICLE CHARGING	EV	0 VA	0.00%	0 VA	

NOTES:
1. NOT FOR USE FOR ELECTRIC VEHICLE CHARGING.

PANEL: GENERATOR PANEL

LOCATION:
SUPPLY FROM: PB2-03
MOUNTING: SURFACE
ENCLOSURE: NEMA 12

VOLTS: 120/208 Single
PHASES: 1
WIRES: 3

A.I.C. 10,000 AMPS SYMMETRICAL
MAINS TYPE: MCB
BUSS RATING: 100A
MCB RATING: 60A

CKT	NOTE	CIRCUIT DESCRIPTION	TYPE	TRIP	POLES	A		B		POLES	TRIP	TYPE	CIRCUIT DESCRIPTION	NOTE	CKT
1		MAIN BREAKER	--	60 A	2	0.00	2.50			2	30 A	E	BLOCK HEATER		2
3	--	--	--	--	--			0.00	2.50	--	--	--	--	--	4
5		BATTERY PAD HEATERS	E	20 A	1	1.90	1.90			1	20 A	E	BATTERY CHARGER		6
7		SERVICE RECEPTACLE	E	20 A	1			0.18	0.00	1	15 A	--	Spare		8
9		Spare	--	15 A	2	0.00	0.00			1	15 A	--	Spare		10
11	--	--	--	--	--			0.00	0.00	1	15 A	--	Spare		12
13	--	Space	--	--	--	0.00	0.00			1	15 A	--	Spare		14
15															16
17															18
				TOTAL LOAD:		6.30 kVA		2.68 kVA							
				TOTAL AMPS:		56 A		26 A							

LOAD SUMMARY	LOAD TYPE	CONNECTED LOAD	DEMAND FACTOR	DEMAND	PANEL TOTALS
LIGHTING	L	0 VA	0.00%	0 VA	
MOTOR	M	0 VA	0.00%	0 VA	**TOTAL CONNECTED LOAD:** 8.97 kVA
RECEPTACLE	R	0 VA	0.00%	0 VA	**TOTAL DEMAND LOAD:** 8.97 kVA
EQUIPMENT	E	8970 VA	100.00%	8970 VA	**TOTAL CONNECTED AMPS:** 43 A
HEATING	H	0 VA	0.00%	0 VA	**TOTAL ESTIMATED DEMAND:** 43 A
ELEVATOR	VT	0 VA	0.00%	0 VA	**W/ ADDITIONAL 25% RESERVE:** 58 A

NOTES:

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FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	VI	TT	TT	RECORD DRAWINGS

DESIGNED BY: B. HOANG
DRAWN BY: S. TUTHILL
CHECKED BY: T. THAYER
APPROVED BY: T. THAYER

RUSHING Engineering - Essentials - Delivery
SUBMITTED BY: SARA ROBERTS
DATE: 10/26/2022

HENSEL PHELPS Plan. Build. Manage. kpff
REVIEWED BY: GREG SHIMIZU
DATE: 10/26/2022

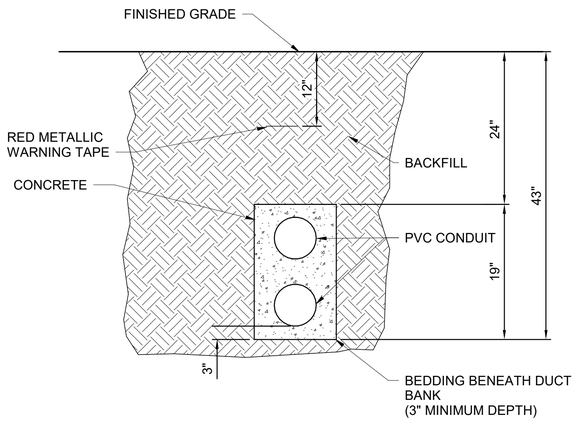
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SCALE: NTS
FILENAME: S317-F1592-E_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
ELECTRICAL
POWER
PANEL SCHEDULES

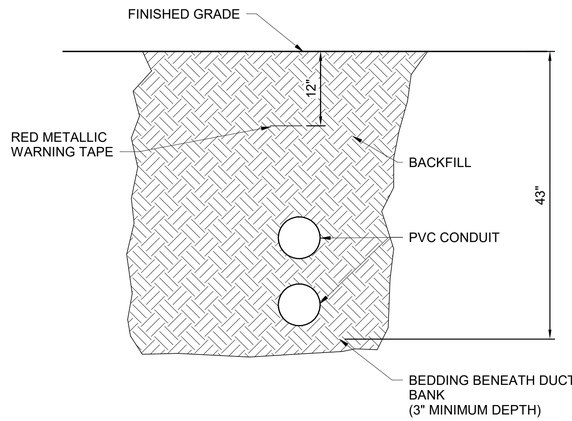
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SHEET No.: 555
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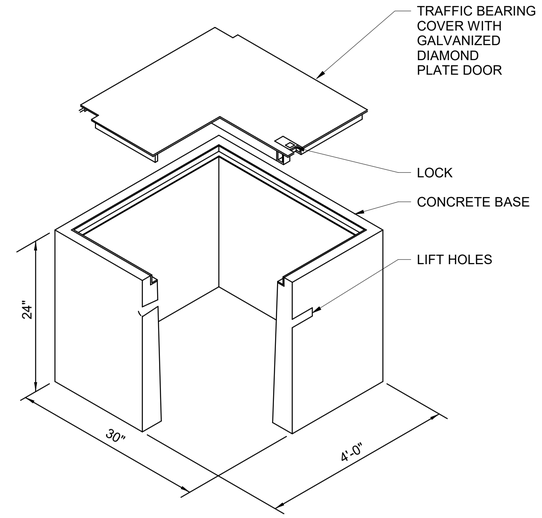
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SCALE: NTS



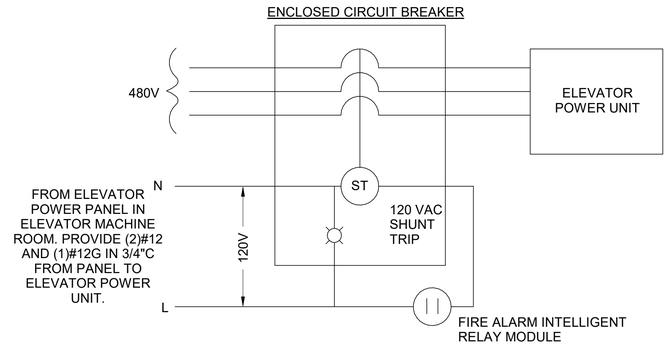
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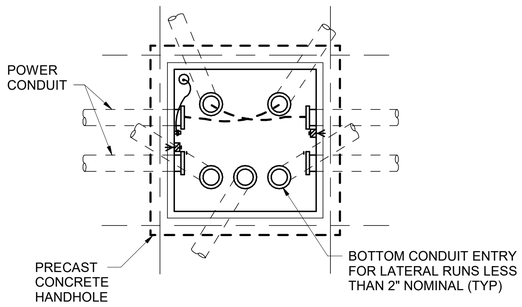
HANDHOLE ISOMETRIC DETAIL 3

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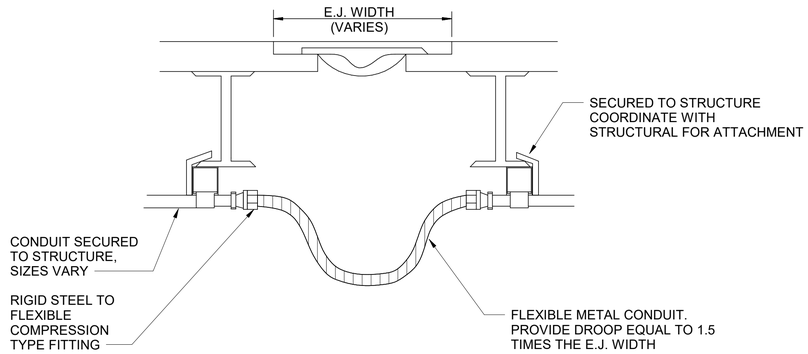
TYPICAL ELEVATOR POWER SHUNT TRIP SCHEMATIC DETAIL 4

SCALE: NTS



HANDHOLE DETAIL 2

SCALE: NTS



RACEWAY ACROSS JOINT DETAIL 5

SCALE: NTS

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0	10/26/2022	VI	TT	TT	RECORD DRAWINGS

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DRAWN BY: S. TUTHILL
CHECKED BY: T. THAYER
APPROVED BY: T. THAYER

RUSHING Engineering - Essentials - Delivery
SUBMITTED BY: SARA ROBERTS
DATE: 10/26/2022

HENSEL PHELPS Plan. Build. Manage.
kpff
REVIEWED BY: GREG SHIMIZU
DATE: 10/26/2022

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT
SCALE: NTS
FILENAME: S317-F1592-E_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

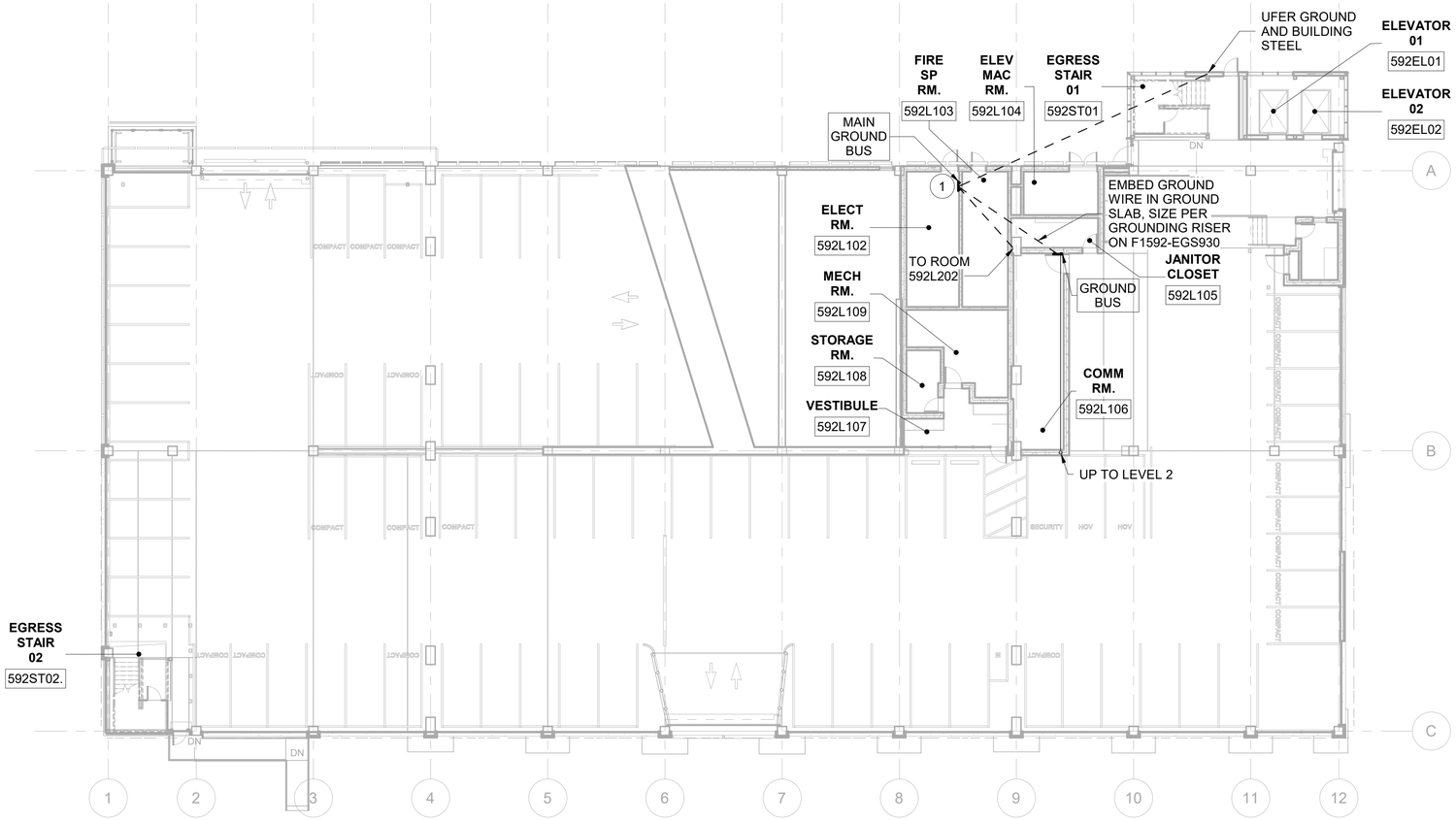
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CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
ELECTRICAL POWER DETAILS

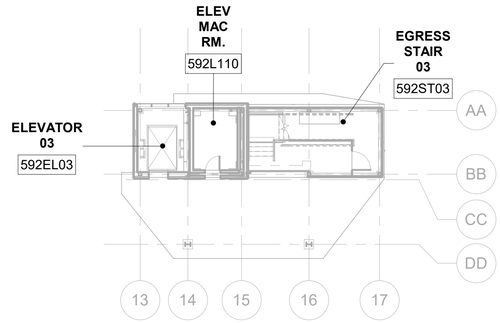
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FACILITY ID: F1592
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CONSTRUCTION NOTES:

1. PROVIDE GROUND CONNECTIONS TO BUILDING WATER PIPE AND UFER GROUND. SIZE GROUND WIRE PER GROUNDING RISER DIAGRAM ON F1592-EGS930.





N

2' 0' 8' 16' 32'

SCALE IN FEET

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kpff
DATE: 10/26/2022

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LINE IS 1" AT FULL SCALE

SOUNDTRANSIT
SUBMITTAL DATE: 10/26/2022

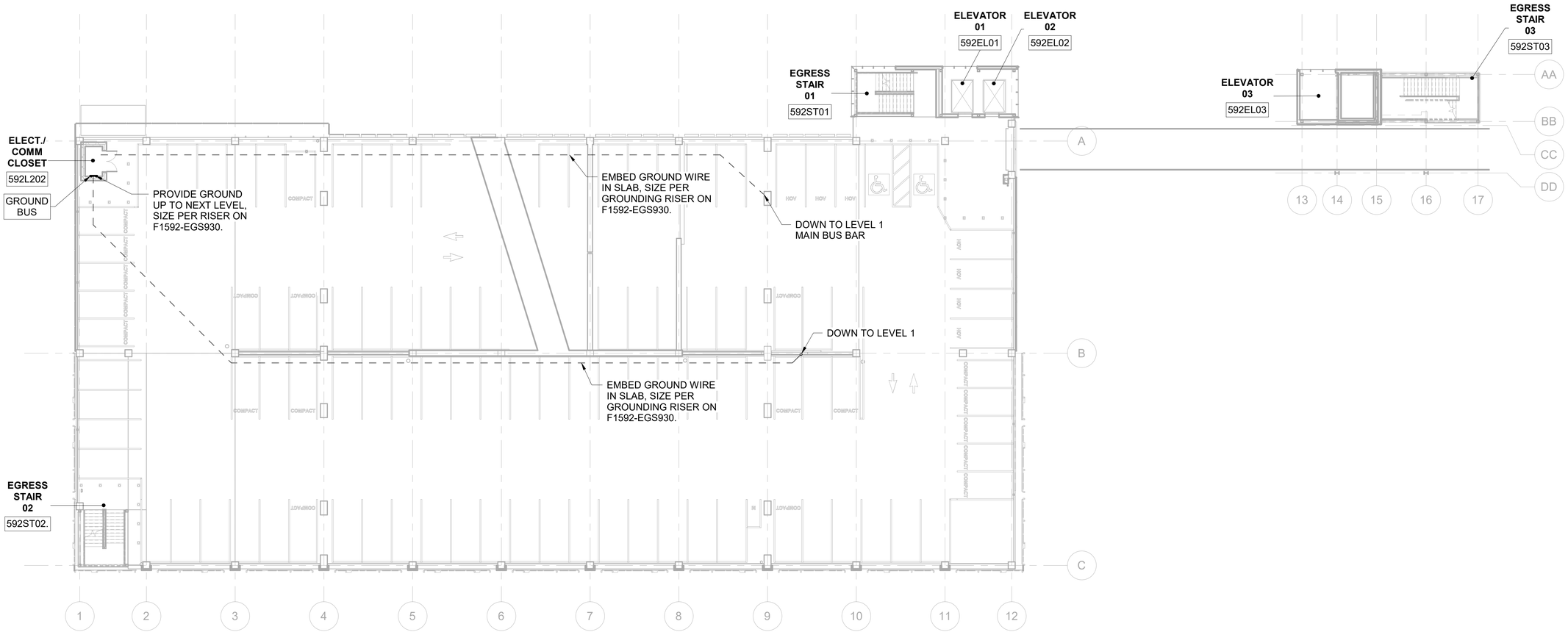
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CONTRACT No.: RTA/CN 0612-18

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS

ELECTRICAL
GROUNDING PLAN
LEVEL 1 - OVERALL

DRAWING No.: F1592-EGP101
FACILITY ID: F1592
SHEET No: 557
REV: 0

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N

2' 0' 8' 16' 32'

SCALE IN FEET

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DRAWN BY: S. TUTHILL
CHECKED BY: T. THAYER
APPROVED BY: T. THAYER

RUSHING Engineering – Essentials – Delivery
SUBMITTED BY: SARA ROBERTS
DATE: 10/26/2022

HENSEL PHELPS Plan. Build. Manage.
kpff
REVIEWED BY: GREG SHIMIZU
DATE: 10/26/2022

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT
SUBMITTAL DATE: 10/26/2022

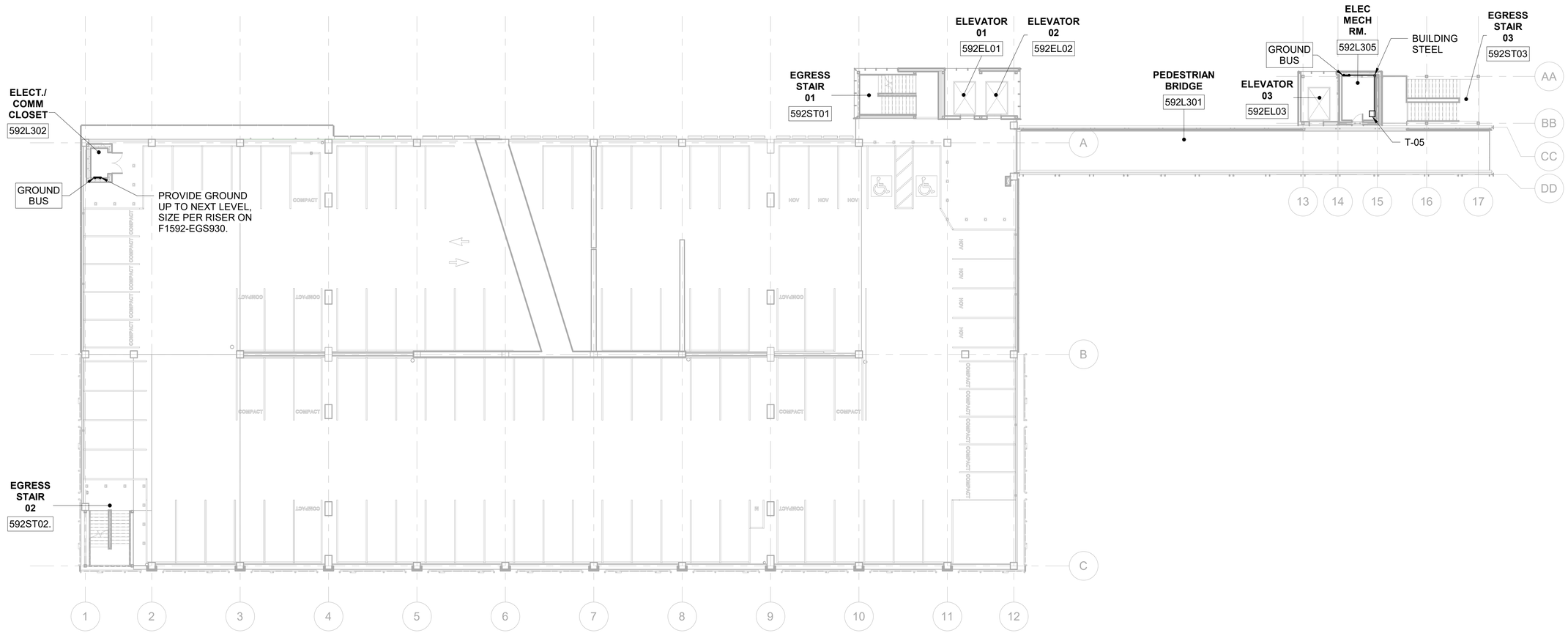
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CONTRACT No.: RTA/CN 0612-18

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS

ELECTRICAL
GROUNDING PLAN
LEVEL 2 - OVERALL

DRAWING No.: F1592-EGP201
FACILITY ID: F1592
SHEET No.: 558
REV.: 0

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N

2' 0' 8' 16' 32'

SCALE IN FEET

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No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	VI	TT	TT	RECORD DRAWINGS

DESIGNED BY: B. HOANG
DRAWN BY: S. TUTHILL
CHECKED BY: T. THAYER
APPROVED BY: T. THAYER

RUSHING Engineering - Essentials - Delivery
SUBMITTED BY: SARA ROBERTS

HENSEL PHELPS Plan. Build. Manage.
kpff
DATE: 10/26/2022
REVIEWED BY: GREG SHIMIZU

LINE IS 1" AT FULL SCALE

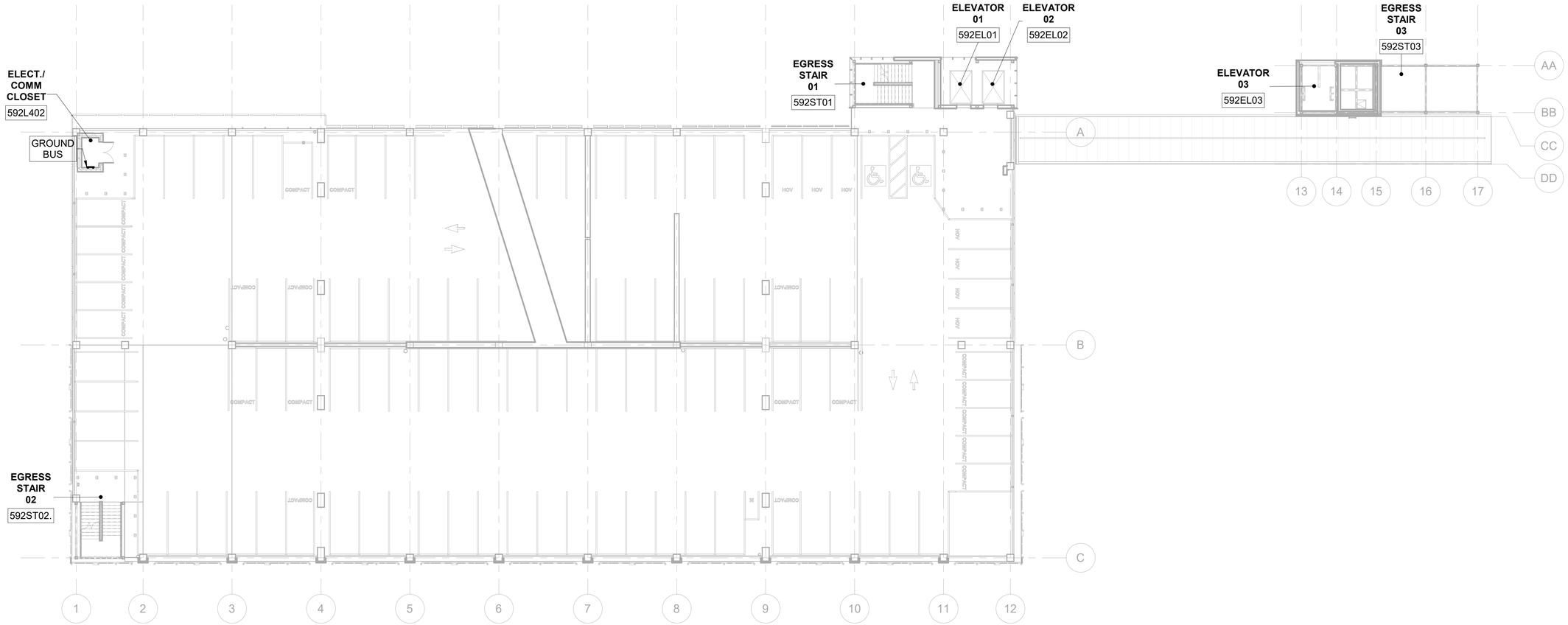
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CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
ELECTRICAL
GROUNDING PLAN
LEVEL 3 - OVERALL

DRAWING No.: F1592-EGP301
FACILITY ID: F1592
SHEET No: 559
REV: 0

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N

2' 0' 8' 16' 32'

SCALE IN FEET

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APPROVED BY: T. THAYER

RUSHING Engineering - Essentials - Delivery
SUBMITTED BY: SARA ROBERTS
DATE: 10/26/2022

HENSEL PHELPS Plan. Build. Manage.
kpff
REVIEWED BY: GREG SHIMIZU
DATE: 10/26/2022

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT
SUBMITTAL DATE: 10/26/2022

SCALE: 1/16" = 1'-0"
FILENAME: S317-F1592-E_v2020
CONTRACT No.: RTA/CN 0612-18

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS

ELECTRICAL
GROUNDING PLAN
LEVEL 4 - OVERALL

DRAWING No.: F1592-EGP401
FACILITY ID: F1592
SHEET No.: 560
REV.: 0

6/19/2023 10:00:49 AM
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N

2' 0' 8' 16' 32'

SCALE IN FEET

DESIGN RECORD DRAWING UPDATES ARE BASED ON CONTRACTOR'S REDLINES. THE ITEMS AS SHOWN HAVE NOT BEEN INDEPENDENTLY VERIFIED BY RUSHING.

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	VI	TT	TT	RECORD DRAWINGS

DESIGNED BY: B. HOANG
DRAWN BY: S. TUTHILL
CHECKED BY: T. THAYER
APPROVED BY: T. THAYER

RUSHING Engineering - Essentials - Delivery

HENSEL PHELPS Plan. Build. Manage.

kpff

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT

SUBMITTED BY: SARA ROBERTS
DATE: 10/26/2022
REVIEWED BY: GREG SHIMIZU
DATE: 10/26/2022

SCALE: 1/16" = 1'-0"
FILENAME: S317-F1592-E_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

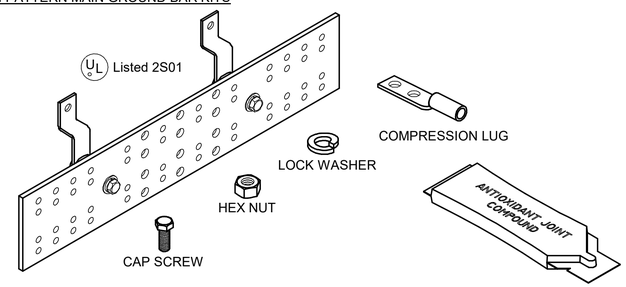
PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS

ELECTRICAL
GROUNDING PLAN
LEVEL 5 - OVERALL

DRAWING No.: F1592-EGP501
FACILITY ID: F1592
SHEET No: 561
REV: 0

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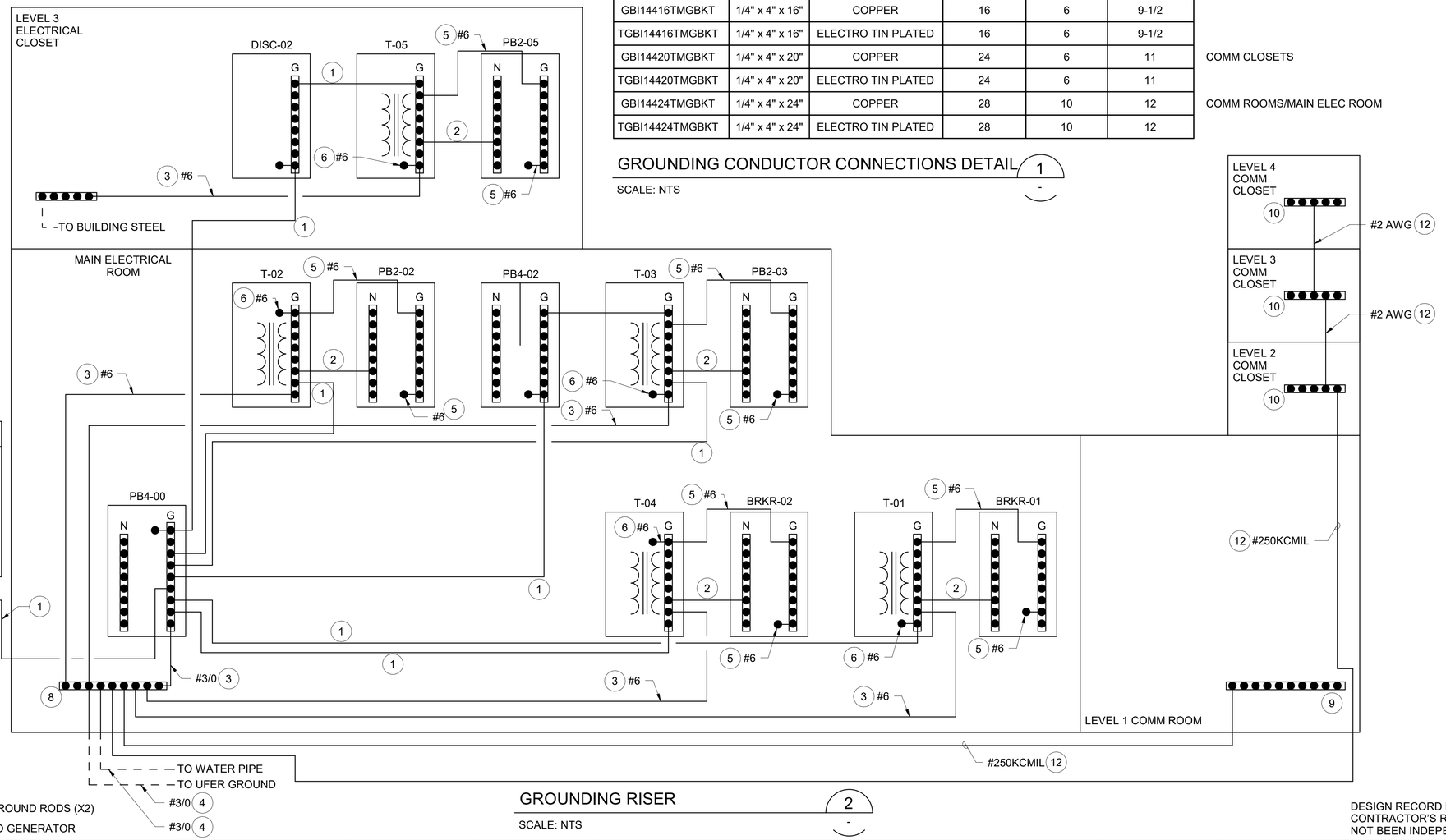
BICSI PATTERN MAIN GROUND BAR KITS



PART NO.	BAR SIZE	MATERIAL	NO. OF 5/16" HOLE SETS	NO. OF 7/16" HOLE SETS	APPROX. WT. (LBS.)	
GBI14412TMGBKT	1/4" x 4" x 12"	COPPER	12	6	8	
TGBI14412TMGBKT	1/4" x 4" x 12"	ELECTRO TIN PLATED	12	6	8	
GBI14416TMGBKT	1/4" x 4" x 16"	COPPER	16	6	9-1/2	
TGBI14416TMGBKT	1/4" x 4" x 16"	ELECTRO TIN PLATED	16	6	9-1/2	
GBI14420TMGBKT	1/4" x 4" x 20"	COPPER	24	6	11	COMM CLOSETS
TGBI14420TMGBKT	1/4" x 4" x 20"	ELECTRO TIN PLATED	24	6	11	
GBI14424TMGBKT	1/4" x 4" x 24"	COPPER	28	10	12	COMM ROOMS/MAIN ELEC ROOM
TGBI14424TMGBKT	1/4" x 4" x 24"	ELECTRO TIN PLATED	28	10	12	

GROUNDING CONDUCTOR CONNECTIONS DETAIL 1

SCALE: NTS



GROUNDING RISER 2

SCALE: NTS

GENERAL NOTES:

1. SIZES SHOWN FOR BARE STRANDED COPPER UNLESS NOTED OTHERWISE.
2. NEUTRAL BUS SHOWN ONLY WHERE RELEVANT TO NEUTRAL GROUND BONDING.
3. NEC REQUIRED AND TELECOM BACKBONE GROUNDING SHOWN HERE.
4. NOT ALL PANELS SHOWN, SEE ONE LINE FOR ADDITIONAL INFORMATION. PANELS NOT SHOWN DO NOT REQUIRE GROUND CONNECTION OTHER THAN THE EQUIPMENT GROUNDING CONDUCTOR SHOWN ON THE CONDUIT AND CONDUCTOR SCHEDULES SHOWN ON F1592-EPS950 TO F1592-EPS952.

CONSTRUCTION NOTES:

1. EQUIPMENT GROUNDING CONDUCTOR. SEE CONDUIT AND CONDUCTOR SCHEDULES FOR SIZES. SIZED PER NEC T250.122 AND ADJUSTED FOR VOLTAGE DROP.
2. SEPARATELY DERIVED NEUTRAL.
3. GROUNDING ELECTRODE CONDUCTOR. [NEC T250.66]
4. GROUNDING ELECTRODE SYSTEM. [NEC 250.52]
5. SUPPLY SIDE BONDING JUMPER. [NEC T250.102(C)(1)]
6. SYSTEM BONDING JUMPER. [NEC T250.102(C)(1)]
7. MAIN BONDING JUMPER. [NEC T250.102(C)(1)]
8. MAIN GROUNDING BUSBAR.
9. TELECOMM MAIN GROUNDING BUSBAR. [PER TIA 607B]
10. TELECOMM GROUNDING BUSBAR. [PER TIA 607B]
11. BONDING CONDUCTOR FOR COMMUNICATIONS. [PER TIA 607B]
12. TELECOMM BONDING BACKBONE. [PER TIA 607B]

DESIGN RECORD DRAWING UPDATES ARE BASED ON CONTRACTOR'S REDLINES. THE ITEMS AS SHOWN HAVE NOT BEEN INDEPENDENTLY VERIFIED BY RUSHING.

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	VI	TT	TT	RECORD DRAWINGS

DESIGNED BY: B. HOANG
DRAWN BY: S. TUTHILL
CHECKED BY: T. THAYER
APPROVED BY: T. THAYER

RUSHING Engineering – Essentials – Delivery
SUBMITTED BY: SARA ROBERTS

HENSEL PHELPS Plan. Build. Manage.
kpff
DATE: 10/26/2022
REVIEWED BY: GREG SHIMIZU

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT
DATE: 10/26/2022

SCALE: NTS
FILENAME: S317-F1592-E_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

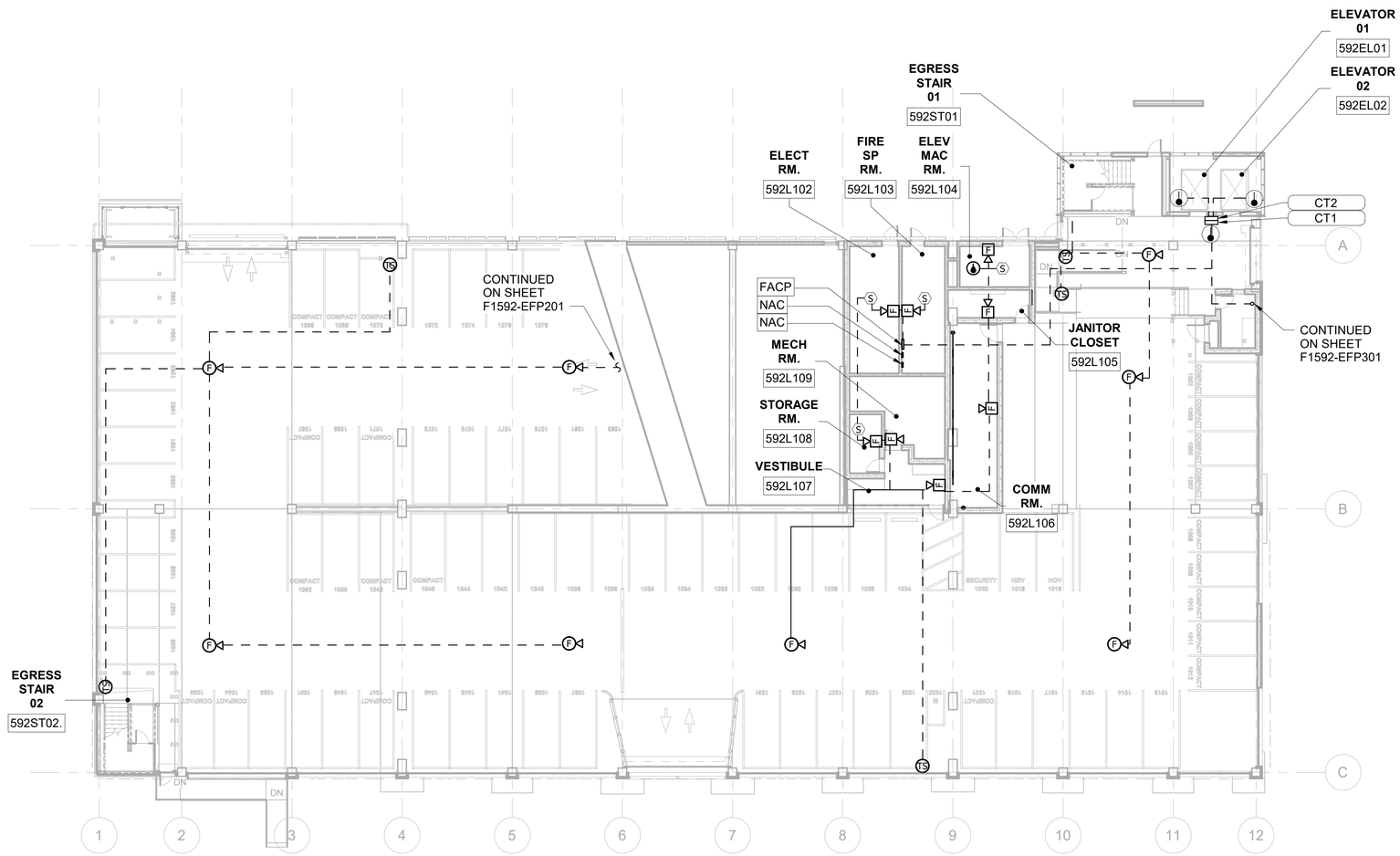
PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
ELECTRICAL GROUNDING DIAGRAMS

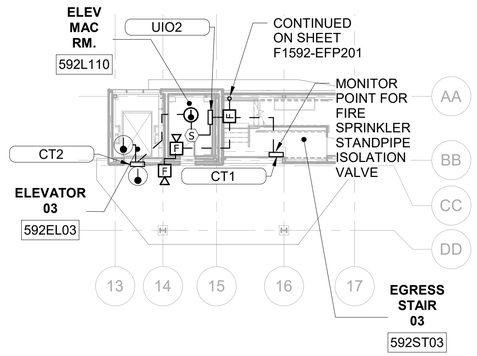
DRAWING No.: F1592-EGS930
FACILITY ID: F1592
SHEET No.: 562
REV.: 0

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GENERAL NOTES:

1. FIRE ALARM DEVICES AND LOCATIONS ARE DIAGRAMMATIC AND SHALL BE COORDINATED DURING INSTALLATION. SEE FA SYSTEM SHOP DRAWINGS.
2. CONDUIT SHALL BE MINIMUM 1" WITH 40%. MAXIMUM FILL UNLESS OTHERWISE SPECIFIED.
3. DEVICES IN UNCONDITIONED SPACES SHALL BE WEATHERPROOF OR LISTED FOR THE INSTALLED CONDITIONS.
4. POST INSTALLED ANCHORS AND SHALLOW FASTENERS SHALL BE APPROVED BY RESIDENT ENGINEER.
5. CONDUIT IN PUBLIC AREAS SHALL BE EMBEDDED OR CONCEALED TO THE MAXIMUM EXTENT POSSIBLE. CONDUITS AND JUNCTION BOXES THAT MUST BE EXPOSED IN PUBLIC AREAS SHALL BE INSTALLED PARALLEL AND PERPENDICULAR TO BUILDING ELEMENTS, AS INCONSPICUOUSLY AS POSSIBLE, AND SHALL BE PAINTED TO MATCH ATTACHED SURFACES.
6. ALL ELEMENTS INSTALLED IN PUBLIC AREAS NOT ADJACENT TO COLUMNS SHALL BE INSTALLED ABOVE THE BOTTOM OF BEAMS.
7. ALL CONDUIT SHOWN WITH DASHED LINES ARE EMBEDDED IN SLAB UNLESS NOTED OTHERWISE.
8. PROVIDE FLEXIBLE CONDUIT LOOP AT SEISMIC JOINT.





N

2' 0' 8' 16' 32'

SCALE IN FEET

DESIGN RECORD DRAWING UPDATES ARE BASED ON CONTRACTOR'S REDLINES. THE ITEMS AS SHOWN HAVE NOT BEEN INDEPENDENTLY VERIFIED BY RUSHING.

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FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	VI	TT	TT	RECORD DRAWINGS

DESIGNED BY: B. HOANG
DRAWN BY: S. TUTHILL
CHECKED BY: T. THAYER
APPROVED BY: T. THAYER

RUSHING Engineering - Essentials - Delivery
HENSEL PHELPS Plan. Build. Manage.
kpff
SOUNDTRANSIT

SUBMITTED BY: SARA ROBERTS
DATE: 10/26/2022
REVIEWED BY: GREG SHIMIZU
DATE: 10/26/2022

LINE IS 1" AT FULL SCALE

SCALE: 1/16" = 1'-0"
FILENAME: S317-F1592-E_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

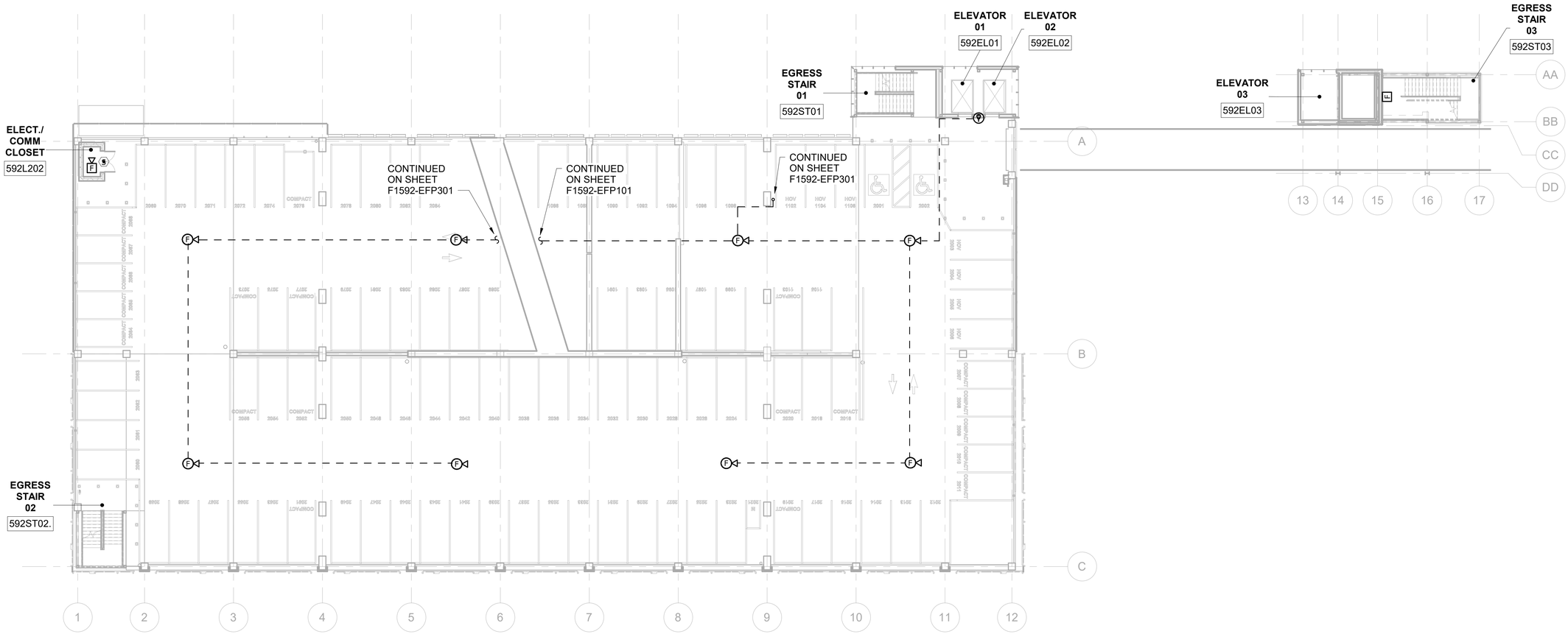
PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS

ELECTRICAL
FIRE ALARM PLAN
LEVEL 1 - OVERALL

DRAWING No.: F1592-EFP101
FACILITY ID: F1592
SHEET No.: 563
REV.: 0

GENERAL NOTES:

1. FIRE ALARM DEVICES AND LOCATIONS ARE DIAGRAMMATIC AND SHALL BE COORDINATED DURING INSTALLATION. SEE FA SYSTEM SHOP DRAWINGS.
2. CONDUIT SHALL BE MINIMUM 1" WITH 40%. MAXIMUM FILL UNLESS OTHERWISE SPECIFIED.
3. DEVICES IN UNCONDITIONED SPACES SHALL BE WEATHERPROOF OR LISTED FOR THE INSTALLED CONDITIONS.
4. POST INSTALLED ANCHORS AND SHALLOW FASTENERS SHALL BE APPROVED BY RESIDENT ENGINEER.
5. CONDUIT IN PUBLIC AREAS SHALL BE EMBEDDED OR CONCEALED TO THE MAXIMUM EXTENT POSSIBLE. CONDUITS AND JUNCTION BOXES THAT MUST BE EXPOSED IN PUBLIC AREAS SHALL BE INSTALLED PARALLEL AND PERPENDICULAR TO BUILDING ELEMENTS, AS INCONSPICUOUSLY AS POSSIBLE, AND SHALL BE PAINTED TO MATCH ATTACHED SURFACES.
6. ALL ELEMENTS INSTALLED IN PUBLIC AREAS NOT ADJACENT TO COLUMNS SHALL BE INSTALLED ABOVE THE BOTTOM OF BEAMS.
7. ALL CONDUIT SHOWN WITH DASHED LINES ARE EMBEDDED IN SLAB UNLESS NOTED OTHERWISE.
8. PROVIDE FLEXIBLE CONDUIT LOOP AT SEISMIC JOINT.



N

2' 0' 8' 16' 32'

SCALE IN FEET

DESIGN RECORD DRAWING UPDATES ARE BASED ON CONTRACTOR'S REDLINES. THE ITEMS AS SHOWN HAVE NOT BEEN INDEPENDENTLY VERIFIED BY RUSHING.

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FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	VI	TT	TT	RECORD DRAWINGS

DESIGNED BY: B. HOANG
DRAWN BY: S. TUTHILL
CHECKED BY: T. THAYER
APPROVED BY: T. THAYER

RUSHING Engineering - Essentials - Delivery
HENSEL PHELPS Plan. Build. Manage.
kpff
SOUNDTRANSIT

LINE IS 1" AT FULL SCALE

SUBMITTED BY: SARA ROBERTS
DATE: 10/26/2022
REVIEWED BY: GREG SHIMIZU
DATE: 10/26/2022

SCALE: 1/16" = 1'-0"
FILENAME: S317-F1592-E_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

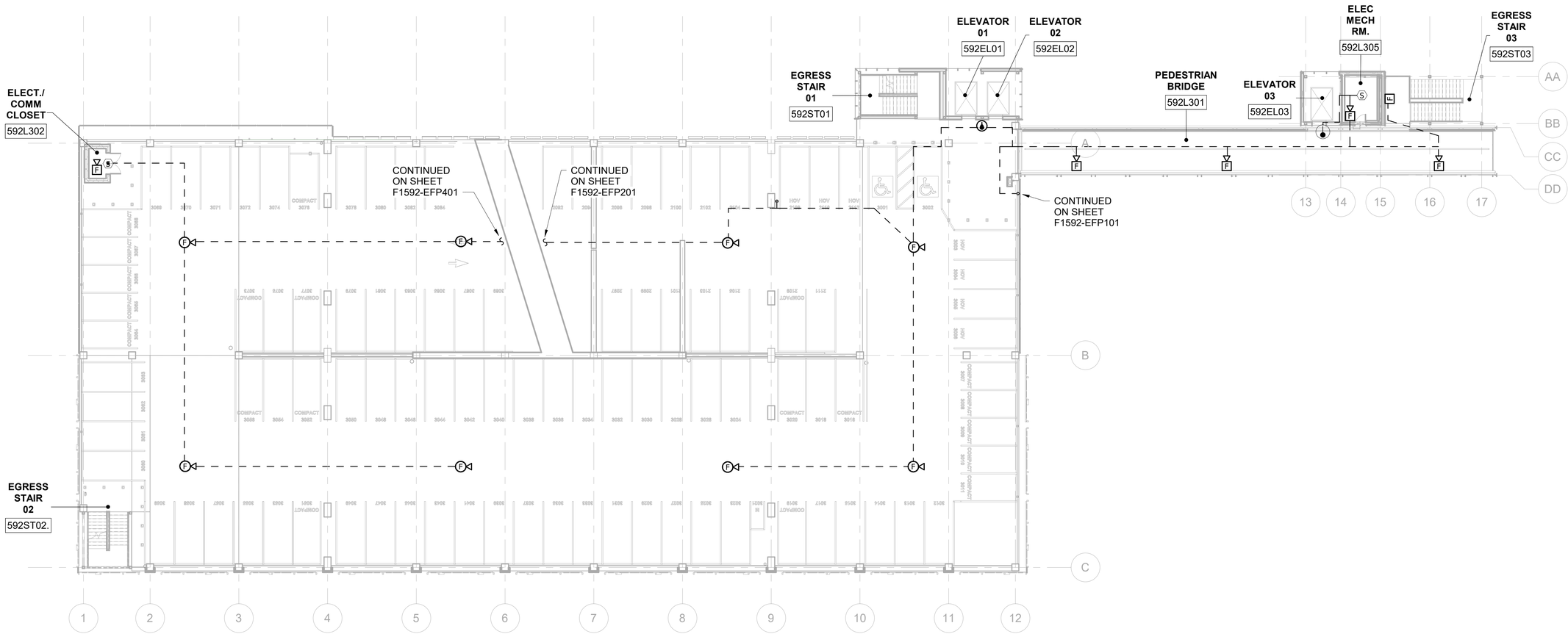
PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS

ELECTRICAL
FIRE ALARM PLAN
LEVEL 2 - OVERALL

DRAWING No.: F1592-EFP201
FACILITY ID: F1592
SHEET No: 564
REV: 0

GENERAL NOTES:

1. FIRE ALARM DEVICES AND LOCATIONS ARE DIAGRAMMATIC AND SHALL BE COORDINATED DURING INSTALLATION. SEE FA SYSTEM SHOP DRAWINGS.
2. CONDUIT SHALL BE MINIMUM 1" WITH 40%. MAXIMUM FILL UNLESS OTHERWISE SPECIFIED.
3. DEVICES IN UNCONDITIONED SPACES SHALL BE WEATHERPROOF OR LISTED FOR THE INSTALLED CONDITIONS.
4. POST INSTALLED ANCHORS AND SHALLOW FASTENERS SHALL BE APPROVED BY RESIDENT ENGINEER.
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7. ALL CONDUIT SHOWN WITH DASHED LINES ARE EMBEDDED IN SLAB UNLESS NOTED OTHERWISE.
8. PROVIDE FLEXIBLE CONDUIT LOOP AT SEISMIC JOINT.



N

2' 0' 8' 16' 32'

SCALE IN FEET

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FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
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DESIGNED BY: B. HOANG
DRAWN BY: S. TUTHILL
CHECKED BY: T. THAYER
APPROVED BY: T. THAYER

RUSHING Engineering - Essentials - Delivery
SUBMITTED BY: SARA ROBERTS

HENSEL PHELPS Plan. Build. Manage.
kpff
DATE: 10/26/2022
REVIEWED BY: GREG SHIMIZU

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT
DATE: 10/26/2022

SCALE: 1/16" = 1'-0"
FILENAME: S317-F1592-E_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

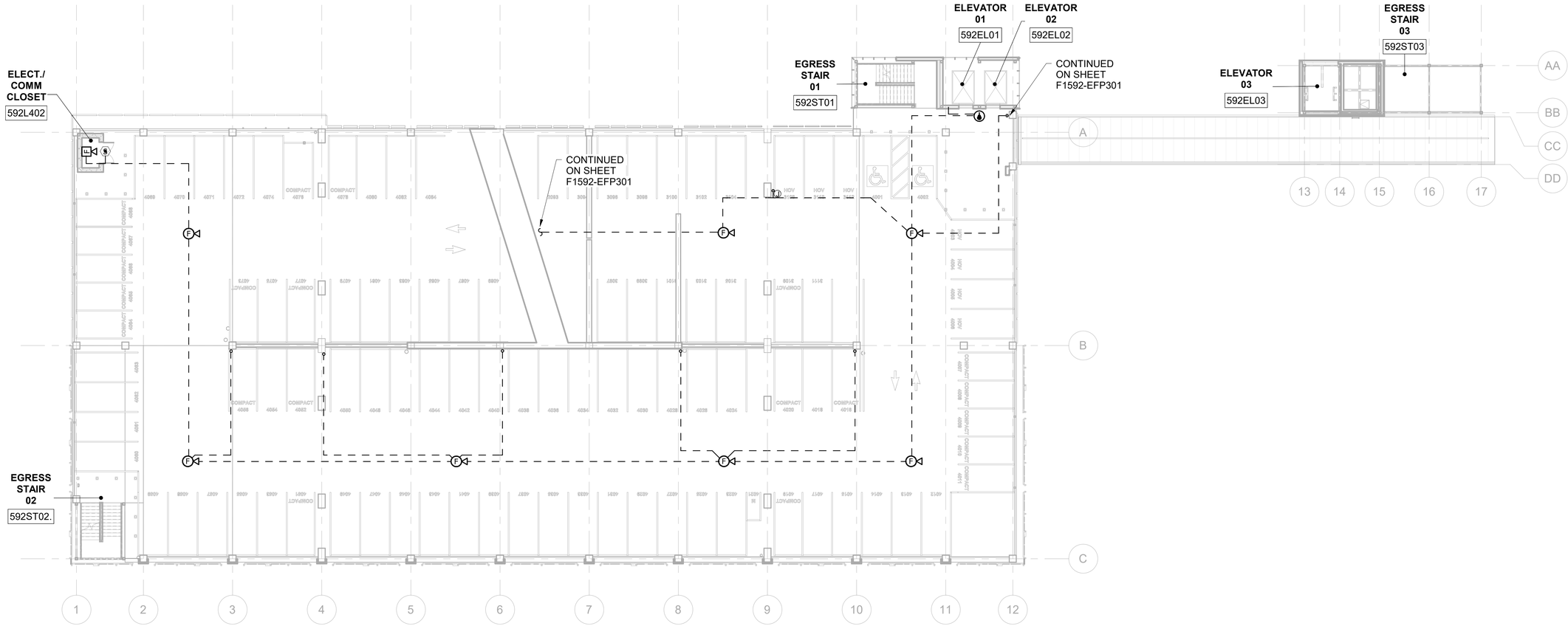
PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
ELECTRICAL
FIRE ALARM PLAN
LEVEL 3 - OVERALL

DRAWING No.: F1592-EFP301
FACILITY ID: F1592
SHEET No: 565
REV: 0

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GENERAL NOTES:

1. FIRE ALARM DEVICES AND LOCATIONS ARE DIAGRAMMATIC AND SHALL BE COORDINATED DURING INSTALLATION. SEE FA SYSTEM SHOP DRAWINGS.
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7. ALL CONDUIT SHOWN WITH DASHED LINES ARE EMBEDDED IN SLAB UNLESS NOTED OTHERWISE.
8. PROVIDE FLEXIBLE CONDUIT LOOP AT SEISMIC JOINT.



N

2' 0' 8' 16' 32'

SCALE IN FEET

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FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	VI	TT	TT	RECORD DRAWINGS

DESIGNED BY: B. HOANG
DRAWN BY: S. TUTHILL
CHECKED BY: T. THAYER
APPROVED BY: T. THAYER

RUSHING Engineering – Essentials – Delivery
SUBMITTED BY: SARA ROBERTS

HENSEL PHELPS Plan. Build. Manage.
kpff
DATE: 10/26/2022
REVIEWED BY: GREG SHIMIZU

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT
DATE: 10/26/2022

SCALE: 1/16" = 1'-0"
FILENAME: S317-F1592-E_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS

ELECTRICAL
FIRE ALARM PLAN
LEVEL 4 - OVERALL

DRAWING No.: F1592-EFP401
FACILITY ID: F1592
SHEET No.: 566
REV.: 0

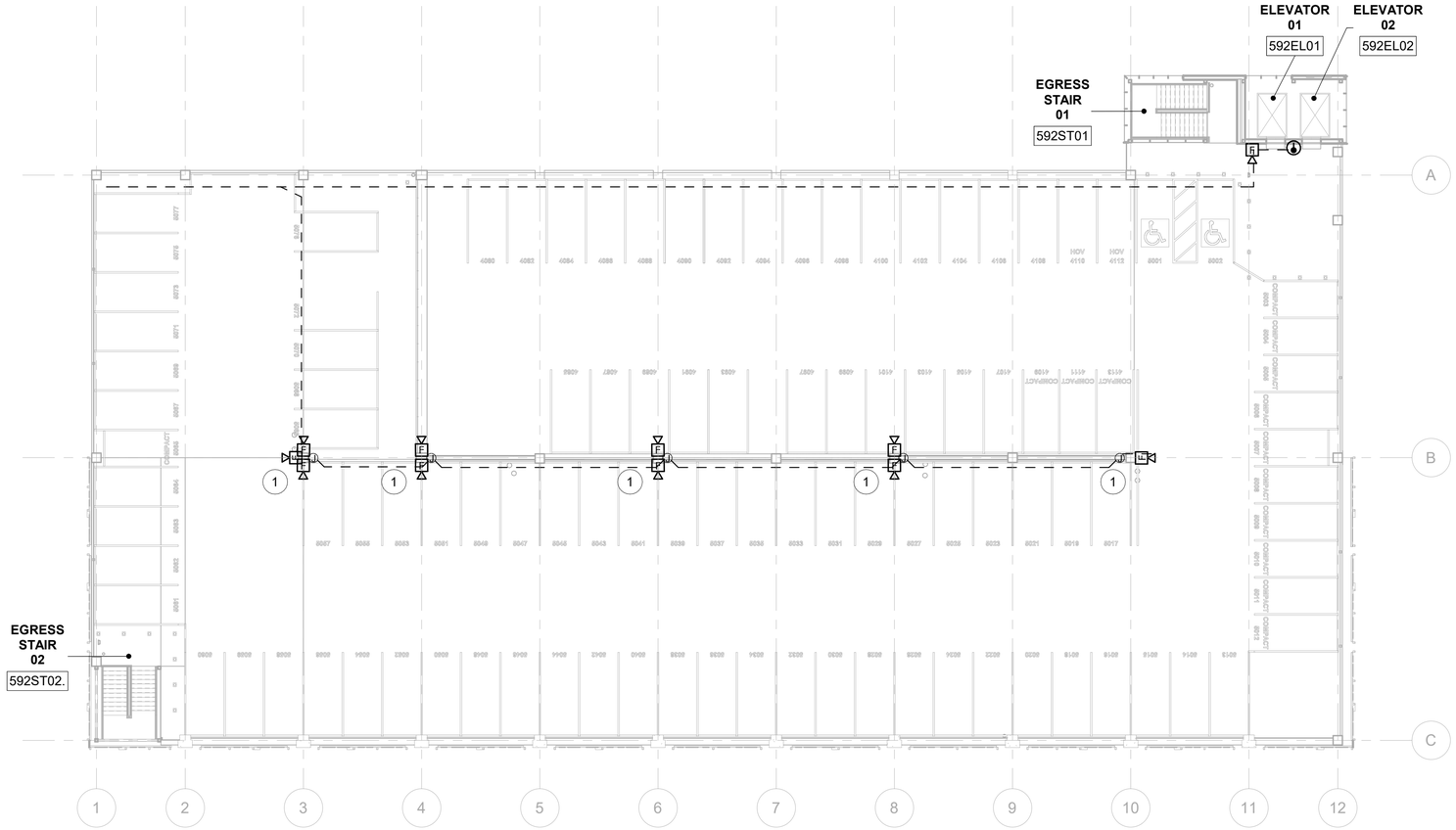
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CONSTRUCTION NOTES:

(1) PER STRUCTURAL DETAIL 592-SGD522/1, MAXIMUM OF THREE CONDUITS CAN ENTER LIGHT POLE.

GENERAL NOTES:

1. FIRE ALARM DEVICES AND LOCATIONS ARE DIAGRAMMATIC AND SHALL BE COORDINATED DURING INSTALLATION. SEE FA SYSTEM SHOP DRAWINGS.
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8. PROVIDE FLEXIBLE CONDUIT LOOP AT SEISMIC JOINT.



N

2' 0' 8' 16' 32'

SCALE IN FEET

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FINAL AS-BUILT

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0	10/26/2022	VI	TT	TT	RECORD DRAWINGS

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DRAWN BY: S. TUTHILL
CHECKED BY: T. THAYER
APPROVED BY: T. THAYER

RUSHING Engineering – Essentials – Delivery
SUBMITTED BY: SARA ROBERTS
DATE: 10/26/2022

HENSEL PHELPS Plan. Build. Manage.
kpff
REVIEWED BY: GREG SHIMIZU
DATE: 10/26/2022

LINE IS 1" AT FULL SCALE

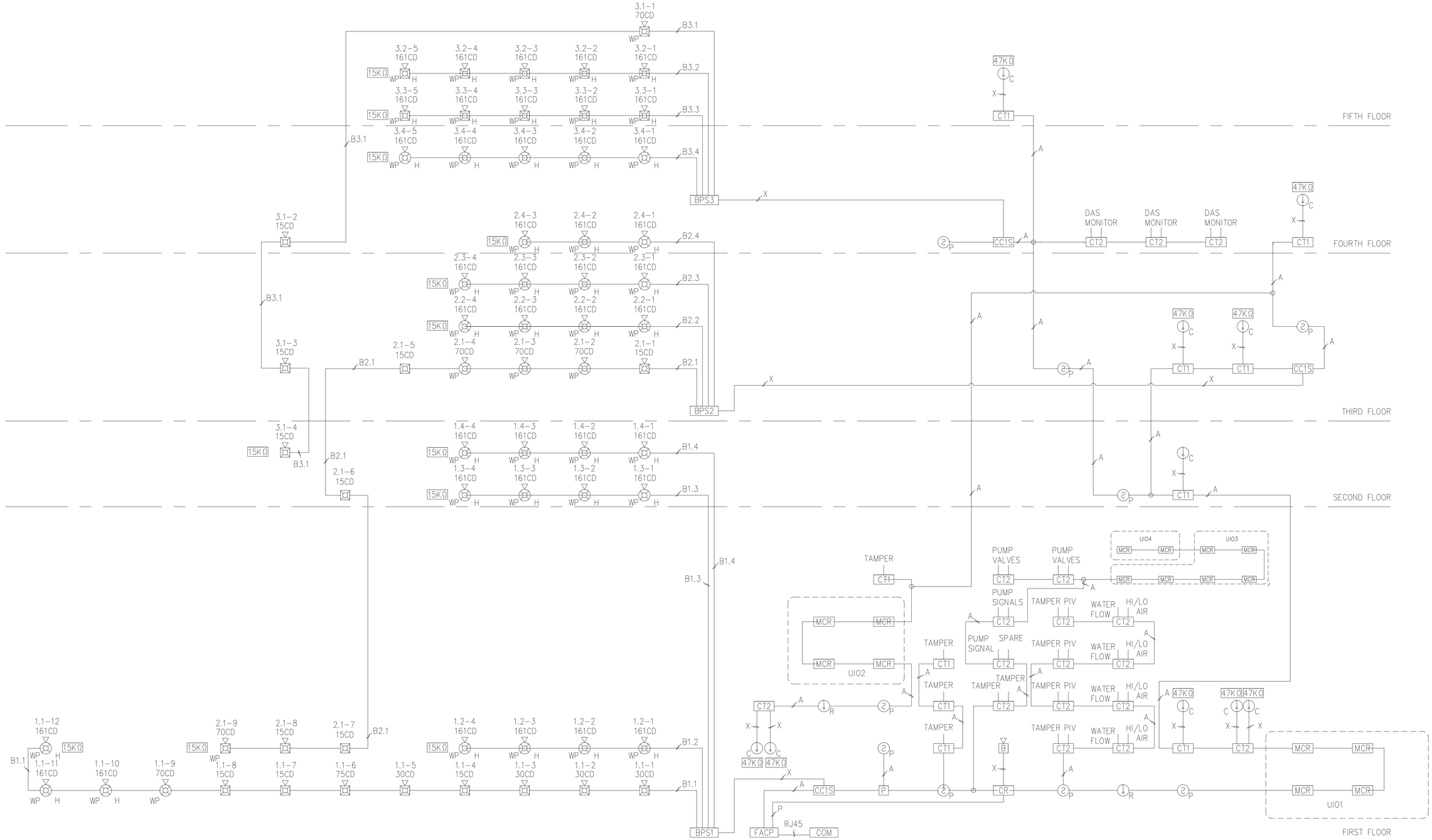
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SUBMITTAL DATE: 10/26/2022

SCALE: 1/16" = 1'-0"
FILENAME: S317-F1592-E_v2020
CONTRACT No.: RTA/CN 0612-18

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
ELECTRICAL
FIRE ALARM PLAN
LEVEL 5 - OVERALL

DRAWING No.: F1592-EFP501
FACILITY ID: F1592
SHEET No.: 567
REV.: 0

6/19/2023 10:01:37 AM
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FIRE ALARM RISER FROM FIRE ALARM VENDOR SHOP DRAWINGS.

DESIGN RECORD DRAWING UPDATES ARE BASED ON CONTRACTOR'S REDLINES. THE ITEMS AS SHOWN HAVE NOT BEEN INDEPENDENTLY VERIFIED BY RUSHING.

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CHECKED BY: T. THAYER
APPROVED BY: T. THAYER

RUSHING Engineering – Essentials – Delivery
SUBMITTED BY: SARA ROBERTS

HENSEL PHELPS Plan. Build. Manage.
kpff
DATE: 10/26/2022

REVIEWED BY: GREG SHIMIZU
DATE: 10/26/2022

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT

SCALE: NTS
FILENAME: S317-F1592-E_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS

ELECTRICAL
FIRE ALARM
RISER DIAGRAM

DRAWING No.: F1592-EFS930
FACILITY ID: F1592
SHEET No: 568
REV: 0

6/19/2023 10:01:40 AM
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NO ENTRY = N/A

	SYSTEM INPUTS	SYSTEM OUTPUTS: FIRE ALARM CONTROL UNIT — ACTIVATE COMMON ALARM SIGNAL INDICATOR (A)	ACTIVATE COMMON SUPERVISORY SIGNAL INDICATOR (B)	ACTIVATE COMMON TROUBLE SIGNAL INDICATOR (C)	ACTIVATE COMMON MONITOR SIGNAL INDICATOR (D)	PRINT CHANGE OF STATUS (E)	NOTIFICATION — ACTIVATE AUDIBLE NOTIFICATION DEVICE SIGNAL UNTIL SILENCED (F)	ACTIVATE VISIBLE NOTIFICATION DEVICE SIGNAL UNTIL SILENCED (G)	TRANSMIT FIRE ALARM SIGNAL TO SUPERVISING STATION (H)	TRANSMIT SUPERVISORY SIGNAL TO SUPERVISING STATION (I)	TRANSMIT TROUBLE SIGNAL TO SUPERVISING STATION (J)	ACTIVATE EXTERIOR SPRINKLER NOTIFICATION DEVICE (K)	RECALL ELEVATORS TO PRIMARY RECALL FLOOR (L)	ACTIVATE ELEVATORS TO ALTERNAT RECALL FLOOR (M)	RECALL ELEVATOR FIREMAN'S HAT INDICATOR (N)	SHUT DOWN ELEVATOR POWER — FIRE SAFETY CONTROL (O)	(P)	
1	MANUAL FIRE ALARM PULL STATION	●				●	●	●	●									1
2	SMOKE DETECTOR	●				●	●	●	●									2
3	HEAT DETECTOR	●				●	●	●	●									3
4	SPRINKLER WATER FLOW SWITCH	●				●	●	●	●			●						4
5	SPRINKLER CONTROL VALVE TAMPER SWITCH		●							●								5
6	SPRINKLER HI/LO AIR SWITCH		●							●								6
7	ELEVATOR PRIMARY RECALL HEAT DETECTOR	●				●	●	●	●				●					7
8	ELEVATOR ALTERNATE RECALL HEAT DETECTOR	●				●	●	●	●					●				8
9	ELEVATOR MACHINE ROOM SMOKE DETECTOR	●				●	●	●	●					●				9
10	ELEVATOR MACHINE ROOM HEAT DETECTOR	●				●	●	●	●							●	●	10
11	FIRE PUMP RUNNING		●							●								11
12	FIRE PUMP POWER LOSS		●							●								12
13	FIRE PUMP PHASE REVERSAL		●							●								13
14	DAS ANTENNA FAILURE		●							●								14
15	DAS DEVICE FAILURE		●							●								15
16	DAS AC POWER SUPPLY FAILURE		●							●								16
17	DAS LOW BATTERY		●							●								17
18	DAS BATTERY CHARGER FAILURE		●							●								18
19	FIRE ALARM SYSTEM GROUND FAULT			●							●							19
20	FIRE ALARM SYSTEM OPEN CIRCUIT			●							●							20
21	FIRE ALARM SYSTEM SHORT CIRCUIT			●							●							21
22	FIRE ALARM SYSTEM GROUND FAULT			●							●							22

FUNCTIONAL MATRIX FROM FIRE ALARM VENDOR SHOP DRAWINGS.

DESIGN RECORD DRAWING UPDATES ARE BASED ON CONTRACTOR'S REDLINES. THE ITEMS AS SHOWN HAVE NOT BEEN INDEPENDENTLY VERIFIED BY RUSHING.

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	VI	TT	TT	RECORD DRAWINGS

DESIGNED BY: B. HOANG
DRAWN BY: S. TUTHILL
CHECKED BY: T. THAYER
APPROVED BY: T. THAYER

RUSHING Engineering - Essentials - Delivery
HENSEL PHELPS Plan. Build. Manage.
kpff
SOUNDTRANSIT

SUBMITTED BY: SARA ROBERTS
DATE: 10/26/2022
REVIEWED BY: GREG SHIMIZU
DATE: 10/26/2022

LINE IS 1" AT FULL SCALE

SCALE: NTS
FILENAME: S317-F1592-E_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
ELECTRICAL
FIRE ALARM
SYSTEM NOTES AND MATRIX

DRAWING No.: F1592-EFS950
FACILITY ID: F1592
SHEET No: 569
REV: 0

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FACP INTERFACE TO:		ALL INPUT AND OUTPUT SIGNALS ARE DEFINED FROM FACP REFERENCE		
SYSTEM	**SIGNAL TYPE**	**FUNCTION**	**SIGNAL ORIGINATION**	**SIGNAL DESTINATION**
BMS	DO	GARAGE FIRE ALARM ACTIVE (3)	FIRE ALARM CONTROL PANEL	BMS SYSTEM
	DO	SUMMARY TROUBLE ALARM	FIRE ALARM CONTROL PANEL	BMS SYSTEM
	DO	SUMMARY SUPERVISORY ALARM	FIRE ALARM CONTROL PANEL	BMS SYSTEM
	DO	ELEVATORS 1&2 ALARM	FIRE ALARM CONTROL PANEL	BMS SYSTEM
	DO	ELEVATOR 3 ALARM	FIRE ALARM CONTROL PANEL	BMS SYSTEM
	DO	ELECTRICAL ROOM SMOKE ALARM	FIRE ALARM CONTROL PANEL	BMS SYSTEM
	DO	FIRE RISER ROOM SMOKE ALARM	FIRE ALARM CONTROL PANEL	BMS SYSTEM
	DO	COMM ROOM SMOKE ALARM	FIRE ALARM CONTROL PANEL	BMS SYSTEM

NOTES:

1. BMS SHALL SHUT DOWN AHU CORRESPONDING TO DUCT DETECTOR AS DEFINED ON MECHANICAL DRAWINGS.
2. BMS SHALL SHUT DOWN ALL HVAC AND CLOSE ALL FSD'S ON ACTIVATION OF FIRE ALARM EXCEPT COMM ROOM AHU AND DAMPERS

DESIGN RECORD DRAWING UPDATES ARE BASED ON CONTRACTOR'S REDLINES. THE ITEMS AS SHOWN HAVE NOT BEEN INDEPENDENTLY VERIFIED BY RUSHING.

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	VI	TT	TT	RECORD DRAWINGS

DESIGNED BY: B. HOANG
DRAWN BY: S. TUTHILL
CHECKED BY: T. THAYER
APPROVED BY: T. THAYER

RUSHING Engineering - Essentials - Delivery
SUBMITTED BY: SARA ROBERTS
DATE: 10/26/2022

HENSEL PHELPS Plan. Build. Manage.
kpff
REVIEWED BY: GREG SHIMIZU
DATE: 10/26/2022

LINE IS 1" AT FULL SCALE

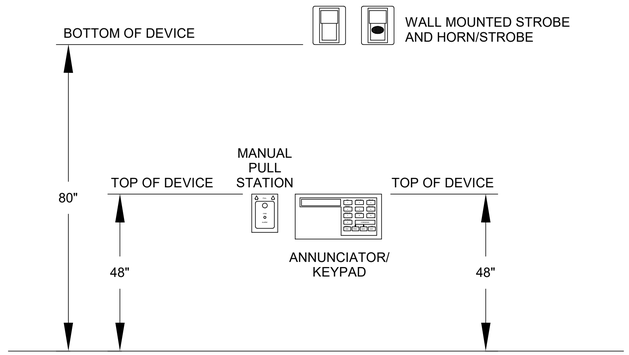
SOUNDTRANSIT
SUBMITTAL DATE: 10/26/2022

SCALE: NTS
FILENAME: S317-F1592-E_v2020
CONTRACT No.: RTA/CN 0612-18

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
ELECTRICAL
FIRE ALARM
SYSTEM INTERFACE SCHEDULE

DRAWING No.: F1592-EFS951
FACILITY ID: F1592
SHEET No.: 570
REV.: 0

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TYPICAL DEVICE MOUNTING HEIGHT DETAILS

1
-

SCALE: NTS

DESIGN RECORD DRAWING UPDATES ARE BASED ON CONTRACTOR'S REDLINES. THE ITEMS AS SHOWN HAVE NOT BEEN INDEPENDENTLY VERIFIED BY RUSHING.

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	VI	TT	TT	RECORD DRAWINGS

DESIGNED BY: B. HOANG
DRAWN BY: S. TUTHILL
CHECKED BY: T. THAYER
APPROVED BY: T. THAYER

RUSHING Engineering - Essentials - Delivery
SUBMITTED BY: SARA ROBERTS
DATE: 10/26/2022

HENSEL PHELPS Plan. Build. Manage.
kpff
REVIEWED BY: GREG SHIMIZU
DATE: 10/26/2022

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT

SCALE: NTS
FILENAME: S317-F1592-E_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS

ELECTRICAL
FIRE ALARM
DETAILS

DRAWING No.: F1592-EFD900
FACILITY ID: F1592
SHEET No: 571
REV: 0

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RACEWAY SYMBOLS

DESCRIPTION	SYMBOLS
INDICATES LOCATION NO XXX INDICATES HANDHOLE INDICATES HANDHOLE NO. 01	592-HH-01
INDICATES LOCATION NO XXX INDICATES PULLBOX INDICATES PULLBOX NO. 01	592-PB-01
INDICATES LOCATION NO XXX INDICATES TYPE OF JUNCTION BOX, SEE BELOW INDICATES JUNCTION BOX NO. 01	592-XX-01
INDICATES LOCATION NO XXX INDICATES TYPE OF CONDUIT, SEE BELOW INDICATES CONDUIT NO. 01	592-XX-01

CONDUIT LEGEND

CONDUIT ID	TYPE
XX-B-XX	DDC
XX-RD-XX	RADIO
XX-SC-XX	SECURITY / COMMUNICATIONS

JUNCTION BOX LEGEND

CONDUIT ID	TYPE
XX-JBB-XX	DDC
XX-JBRD-XX	RADIO
XX-JBSC-XX	SECURITY / COMMUNICATIONS

WIRING

- CONDUIT, EXPOSED
- CONDUIT (UNDERGROUND OR CONCEALED)
- CONDUIT OR CABLE DOWN
- CONDUIT OR CABLE UP
- CABLE CAPPED
- CONDUIT CONTINUATION/BREAK
- CONDUIT CROSSING, NON-INTERSECTING

GROUNDING SYMBOLS

DESCRIPTION	SYMBOLS
CABLE BOND CONNECTION	•
GROUND ROD (LENGTH AND DIAMETER AS SHOWN ON CONTRACT DRAWINGS/SPECS.)	⊙
GROUND CABLE "TEE" CONNECTION	▲
GROUND CABLE "CROSS" CONNECTION	■
COILED 10'-0" PIGTAIL OF 4/0 BARE COPPER CABLE FOR BUILDING CONNECTION OR AS SHOWN IN PLAN	
COILED 10'-0" PIGTAIL OF 4/0 BARE COPPER CABLE FOR FUTURE CONNECTION, CABLE TURNED AWAY FROM THE OBSERVER	
SINGLE BARE COPPER STRANDED SOFT DRAWN CABLE, AS SHOWN IN PLAN UNLESS NOTED OTHERWISE DASHED LINE INDICATES EMBEDMENT IN CONCRETE.	
REBAR IN FOUNDATION	

TYPICAL SYMBOLS

DESCRIPTION	SYMBOLS
DOOR EQUIPPED WITH CARD READER, MAGNETIC DOOR CONTACTS, ELECTRIC DOOR LOCK AND REMOTE DOOR UNLOCK FUNCTION	K
FIXED CAMERA	
PBX TELEPHONE	
DUPLEX DATA OUTLET	D
EMERGENCY TELEPHONE (ETEL)	
CUSTOMER EMERGENCY STATION (CES)	
4"x4"x4" JUNCTION BOX. SEE GENERAL NOTE 4	
RECESSED 4"x4"x4" OUTLET BOX FOR PBX TELEPHONE JACK MOUNTED 18" AFF	
RECESSED 4"x4"x4" OUTLET BOX FOR DUPLEX DATA JACK MOUNTED 18" AFF	D
RECESSED CES BACKBOX.	
WALL MOUNTED ETEL	
RADIO DAS ANTENNA	
DOOR INTRUSION DETECTOR	I
HARDWIRED I/O TERMINAL BLOCK	

TYPICAL SYMBOLS (CONTINUED)

DESCRIPTION	SYMBOLS
PULL BOX	P PB

GENERAL NOTES

1. UP TO FOUR COMMUNICATIONS DEVICES (PBX, CES, AND CAMERA) CAN SHARE A COMMON CONDUIT FROM A COMMUNICATIONS DISTRIBUTION CABINET OR COMMUNICATIONS ROOM, UNO.
2. CONDUIT EXPANSION / DEFLECTION FITTING SHALL BE PROVIDED PERPENDICULAR AT ANY STRUCTURE EXPANSION / DEFLECTION JOINT. COORDINATE WITH STRUCTURAL DRAWINGS ON THE EXPANSION / DEFLECTION REQUIREMENTS.
3. SURFACE CONDUITS AND CONDUITS ABOVE THE ARCHITECTURAL CEILING PANEL SHALL RUN PERPENDICULAR / PARALLEL TO THE BUILDING LINE.
4. JUNCTION BOX SIZE PER EACH COMMUNICATIONS DEVICE:
   CAMERA - 4"x4"x4" UNO
   ACCESS CONTROL CABINET (ACC) / CBX ENCLOSURE - 12"x12"x4"
   DAS ANTENNA - 24" x 24" x 6"
5. OUTLET / JUNCTION BOX FOR WALL MOUNTED CCTV CAMERA SHALL BE MOUNTED 8'-0" AFF INDOORS, 9'-0" AFG OUTDOORS, UNO.
6. STUB-UP / STUB-DOWN CONDUITS SHALL BE TERMINATED MIN. 3" ABOVE THE FINISHED FLOOR / BELOW THE CEILING SLAB WITH THREADED METALLIC CONDUIT COUPLING AND PLUG, MIN 1 1/2" CLEAR FROM FACE OF THE WALL, UNO.
7. STUB-UP PORTION OF EMBEDDED / CONCEALED CONDUIT RUN SHALL BE PVC-RGS TYPE INCLUDING ELBOW.
8. CONDUIT RUN TO FURTHEST COMM. DEVICE OUTLET (DATA, PBX TEL AND CCTV CAMERA) SHALL NOT BE MORE THAN 250 FEET.
9. PROVIDE INDIVIDUAL BARRIERS IN HANDHOLE/PULLBOX FOR SEPARATING ANY POWER, BETWEEN ALL OTHER CABLES TO BE INSTALLED AS PART OF SYSTEMS CONTRACT.
10. SEE CONDUIT SCHEDULES ON JBS951 AND JCS950.

NOTE:

EQUIPMENT IS NOT SHOWN WITH FACILITY ID FOR CLARITY, ALL EQUIPMENT STARTS WITH "592-". PROVIDE FACILITY ID PREFIX ON ALL EQUIPMENT LABELS IN THE FIELD.

DESIGN RECORD DRAWING UPDATES ARE BASED ON CONTRACTOR'S REDLINES. THE ITEMS AS SHOWN HAVE NOT BEEN INDEPENDENTLY VERIFIED BY RUSHING.

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	VI	TT	TT	RECORD DRAWINGS

DESIGNED BY: D. NAUSNER
DRAWN BY: S. TUTHILL
CHECKED BY: T. THAYER
APPROVED BY: T. THAYER

RUSHING Engineering - Essentials - Delivery
HENSEL PHELPS Plan. Build. Manage.
kpff
LINE IS 1" AT FULL SCALE
SOUNDTRANSIT

SUBMITTED BY: SARA ROBERTS
DATE: 10/26/2022
REVIEWED BY: GREG SHIMIZU
DATE: 10/26/2022

SCALE: NTS
FILENAME: S317-F1592-E_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
SYSTEMS
GENERAL
GENERAL NOTES, SYMBOLS, LEGEND & ABBREVIATIONS

DRAWING No.: F1592-JZN001
FACILITY ID: F1592
SHEET No.: 572
REV: 0

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ABBREVIATIONS

A	AMPERE
AASHTO	AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS
A/B	AIR BREAK
AB	ANCHOR BOLT
ABUT	ABUTMENT
AC	ALTERNATING CURRENT
ACC	ACCESS CONTROL CABINET
ACR	ACCESS CONTROL READER
ACSR	ALUMINUM CONDUCTOR, STEEL REINFORCED
ADJ	ADJACENT
AFF	ABOVE FINISH FLOOR
AFG	ABOVE FINISH GRADE
A/G	AT GRADE
AHCW	AUTOMATIC HIGHWAY CROSSING WARNING
AISC	AMERICAN INSTITUTE OF STEEL CONSTRUCTION
AL	ALUMINUM
ANC	ANCHOR
ANS	AMBIENT NOISE SENSOR
AP	APPROACH
APS	AUXILIARY POWER SUPPLY
AREMA	AMERICAN RAILWAY ENGINEERING AND MAINTENANCE-OF-WAY ASSOCIATION
AS	AMMETER SWITCH
ASSY	ASSEMBLY
A/T	AUTO TENSION
ATM	ALONG TRACK MOVEMENT
ATP	AUTOMATIC TRAIN PROTECTION
ATR	ABOVE TOP RAIL
ATS	AUTOMATIC TRANSFER SWITCH
AUX	AUXILIARY
AWG	AMERICAN WIRE GAGE
B/	BOTTOM
BAT	BATTERY
B/B	BACK TO BACK
BD	BYPASS DAMPER
BDA	BI-DIRECTIONAL AMPLIFIER
BFA	BY-PASS FEEDER ANCHOR
BIJ	BONDED INSULATED JOINT
BIL	BASIC IMPULSE LEVEL
BKR	BREAKER
BL	BASELINE
BM	BEAM
BMS	BUILDING MANAGEMENT SYSTEM
BR	BRIDGE
BRD	BAROMETRIC RELIEF DAMPER
BRKT	BRACKET
BSMT	BASEMENT
B-SPAN	BODY SPAN
BZ	BRONZE
C	CONDUIT, CLOSE
CAB	CABINET
CAM	CAMERA
CANT	CANTILEVER
CAT	CATENARY
CCTB	CORROSION CONTROL TEST BOX
CCTV	CLOSED CIRCUIT TELEVISION
CD	CLEARANCE DISTANCE
CDC	COMMUNICATIONS DISTRIBUTION CABINET
CE	CLEARANCE ENVELOPE
CES	CUSTOMER EMERGENCY SYSTEM
CF	CUBIC FEET
CHAM	CHAMFER
CHGR	CHARGER
CKT	CIRCUIT
CIP	CAST IRON PIPE
℄	CENTERLINE
℄ TO ℄	CENTERLINE TO CENTERLINE
CLR	CLEARANCE, CLEAR
CMU	CONCRETE MASONRY UNIT
COMM	COMMUNICATIONS
COND	CONDUCTOR
CONTR	CONTRACTOR
CPP	COMMUNICATIONS POWER PANEL
CR	CONDUIT RISER
CS	CURVE-TO-SPIRAL
C-SPAN	CROSS SPAN
CT	CURRENT TRANSFORMER
CTRL	CONTROL
CTRLR	CONTROLLER
CU	COPPER
CWA	COUNTERWEIGHT ANCHOR
CWT	COUNTERWEIGHT
CW	CONTACT WIRE
CY	CUBIC YARD
D	DEPTH
DAS	DISTRIBUTED ANTENNA SYSTEM
DATA	DATA PORT
DC	DIRECT CURRENT, DISTRIBUTION CABINET
DDC	DIRECT DIGITAL CONTROL
DGA	DOWN GUY ANCHOR
DID	DOOR INTRUSION DETECTOR
DISC	DISCONNECT
DISC SW	DISCONNECT SWITCH
DN	DOWN
DOC	DEGREE OF CURVATURE
DS	DOOR SWITCH
E	EAST
Ea	SUPERELEVATION IN INCHES
EFC	EPOXY FIBERGLASS CONDUIT
EHS	EXTRA HIGH STRENGTH
ELEV	ELEVATOR
ELP	EMERGENCY LIGHTING PANEL
EMERG	EMERGENCY
EMF	EMERGENCY FAN
EMI	ELECTROMAGNETIC INTERFERENCE
EMRF	EMERGENCY REVERSIBLE FAN
EPP	EMERGENCY POWER PANEL
ES	EXTRA STRENGTH
ETH	ETHERNET SWITCH
ETS	EMERGENCY TRIP STATION
ETEL	EMERGENCY TELEPHONE
EUH	ELECTRICAL UNIT HEATER
EXT	EXTINGUISHER
F	FAHRENHEIT
FAC	FACILITY
FACP	FIRE ALARM CONTROL PANEL
FBRGLC	FIBERGLASS CONDUIT
FC	FARE COLLECTION
FDC	FIBER DISTRIBUTION CABINET
FDP	FIBER DISCONNECT PANEL
FDR	FEEDER
FFJ	FULL FEEDING JUMPER
FJ	FEEDER JUMPER
FME	FORMED METAL ENCLOSURE
FND	FAN DAMPER
FOP	FACE OF POLE
FOS	FACTOR OF SAFETY
FOT	FIBER OPTIC TRANSMISSION SYSTEM
FPP	FIBER OPTIC PATCH PANEL
FPTV	FLAT PANEL TELEVISION
FR	FROM
FREQ	FREQUENCY
FSD	FIRE/SMOKE DAMPER
FS	FUSED SWITCH
F TO F	FACE TO FACE
FTA	FIXED TERMINATION ANCHOR
F/T	FIXED TERMINATION
FTG	FOOTING
FVNR	FULL VOLTAGE NON REVERSING
GALV	GALVANIZED
GB	GROUND BUS
G/L	GROUND LINE
GND	GROUND
GRS	GALVANIZED RIGID STEEL
GRSC	GALVANIZED RIGID STEEL CONDUIT
GRX	GRADE CROSSING
H	HIGH
HD	HARD DRAWN
HH	HANDHOLE
H/SPAN	HEADSPAN
HEX	HEXAGONAL
H/O	HAND OPERATED
HRL	HIGH RAIL LEVEL
H-SPAN	HEAD SPAN
HSS	HIGH STRENGTH STEEL
HV	HIGH VOLTAGE
HZ	HERTZ
I	INTERLOCK, INTRUSION
IB	IMPEDANCE BONDS
ID	INSIDE DIAMETER, IDENTIFICATION
IJ	INSULATED JOINT
IM	INFORMATION MONITOR
IN	INCH, INCHES
INC	INCOMING
INCL	INCLUDE, INCLUDING
INST	INSTANTANEOUS
INSUL	INSULATION
I/R	IN-RUNNING (RIDING CONTACT WIRE)
ITC	INTERFACE TERMINAL CABINET
J	JUMPER (POTENTIAL EQUALIZING)
JB	JUNCTION BOX
JCT	JUNCTION
K	KIPS (THOUSAND POUNDS)
KCMIL	THOUSAND CIRCULAR MILS
KA	KILOAMPERE
KV	KILOVOLT
KVA	KILOVOLT AMPERE
KVAR	KILOVOLT AMPERES REACTIVE
KSF	KIPS PER SQUARE FOOT
KSI	KIPS PER SQUARE INCH
KW	KILOWATT
KWH	KILOWATT HOUR
L	LEFT
LA	LIGHTING ARRESTER
LB	POUND, POUNDS
LBF	POUNDS FORCE
LB/FT	POUNDS PER FOOT
LC	LIGHTING CONTROL PANEL
LCP	LOCAL CONTROL PANEL
LED	LIGHT EMITTING DIODE
L-L	LINE TO LINE VOLTAGE
LOC	LOCATION
LP	LIGHTING PANEL
LPT	LOW POINT
LRV	LIGHT RAIL VEHICLE
LS	LUMP SUM, LINE SECTION
LTG	LIGHTING
LV	LOW VOLTAGE
M	METER
MC	MAGNETIC CONTACT SWITCH
MCB	MAIN CIRCUIT BREAKER
MCC	MOTOR CONTROL CENTER
MCDP	MAIN COMM DISTRIBUTION PANELBOARD
MD	MOTORIZED DAMPER
MH	MANHOLE
MIC	MICROPHONE
M/L	MAIN LINE
M/O	MOTOR OPERATED
MP	MILE POST, MORE PERMISSIVE SPEED, MID POINT
MPA	MID POINT ANCHOR
MPAP	MAIN PUBLIC ADDRESS PANELBOARD
MPH	MILES PER HOUR
MTB	MAIN TERMINAL BOARD
MTD	MOUNTED
MTG	MOUNTING
MTR	METER
MVA	MEGAVOLT AMPERE
MV	MILLIVOLT, MEDIUM VOLTAGE
MVSS	MEDIUM VOLTAGE SUBSTATION
MW	MEGAWATT, MESSENGER WIRE
N	NORTH
N/A	NOT APPLICABLE
NB	NORTH BOUND
NBR	NON-BRIDGING
NBT	NORTHBOUND TRACK CIRCUIT
NBTR	NORTHBOUND TRACK RECEIVER
NBTT	NORTHBOUND TRACK TRANSMITTER
NC	NORMALLY CLOSED
NEC	NATIONAL ELECTRICAL CODE
NEG	NEGATIVE
NESC	NATIONAL ELECTRICAL SAFETY CODE
NO	NORMALLY OPEN
NOM	NOMINAL
NR	NOT REGISTERED
NS	NOT SUPPORTED
NSR	NOT SUPPORTED OR REGISTERED
OC	ON CENTER
OCC	OCCUPANCY SENSOR
OD	OUTSIDE DIAMETER
OH	OVERHEAD
OHB	OVERHEAD BRIDGE
O/L	OVERLAP
O/R	OUT-OF-RUNNING (NON-RIDING CONTACT WIRE)
O/S	OFFSET
P	PANEL, POLE
PA	PUBLIC ADDRESS
PADC	PUBLIC ADDRESS DISTRIBUTION CABINET (REMOTE AMPLIFIER RACK)
PB2	PANELBOARD
PBX	PRIVATE BRANCH EXCHANGE TELEPHONE
PAN	PANTOGRAPH
PB	PULLBOX, PUSHBUTTON
PC	POINT OF CURVE
PET	PASSENGER EMERGENCY TELEPHONE
PF	POINT OF FROG, POWER FREQUENCY, POWER FACTOR
PH	PHASE, ø
PI	POINT OF INTERSECTION
PITO	POINT OF INTERSECTION OF TURNOUT
PL	PLATE
PLAT	PLATFORM
PM	PAGING MICROPHONE
PNL	PANEL
POS	POSITIVE
PP	POWER PANEL
PROJ	PROJECTION
PS	POINT OF SWITCH
PSE	PUGET SOUND ENERGY
PSF	POUNDS PER SQUARE FEET
PSI	POUNDS PER SQUARE INCH
PT	POINT OF TANGENT, POCKET TRACK
PTZ	PAN-TILT-ZOOM (CAMERA)
PVC	POLYVINYL CHLORIDE, POINT OF VERTICAL CURVE
PVCC	POLYVINYL CHLORIDE CONDUIT
PGRS	PVC COATED GRS
PGRSC	PVC COATED GRS CONDUIT
PWR	POWER
QTY	QUANTITY
R	RADIUS, RESISTANCE, RELAY, RIGHT
RCVR	RECEIVER
RE	RUNNING EDGE OF RAIL,RESIDENT ENGINEER
RECT	RECTIFIER
REF	REFERENCE
REINF	REINFORCE, REINFORCING,REINFORCEMENT
REV	REVISE, REVISION, REVERSING, REVISABLE
RIO	REMOTE INPUT OUTPUT
RM	ROOM
RMP	RADIO MONITORING PANEL
RTU	REMOTE TERMINAL UNIT
RR	RAILROAD
RRX	RAILROAD GRADE CROSSING
RTD	RESISTANCE TEMPERATURE DETECTOR
RW	RETAINING WALL
S	SOUTH
SA	SURGE ARRESTER
SAFTP	STAND ALONE FARE TRANSACTION PROCESSOR
SB	SOUTH BOUND
SBT	SOUTHBOUND TRACK CIRCUIT
SBTR	SOUTHBOUND TRACK RECEIVER
SBTT	SOUTHBOUND TRACK TRANSMITTER
SC	SPIRAL TO CURVE, SIGNAL/COMMUNICATION
SCADA	SUPERVISORY CONTROL & DATA ACQUISITION
SCAT	SIMPLE CATENARY AUTO TENSION
SCFT	SIMPLE CATENARYFIXED TERMINATION
SCL	SEATTLE CITY LIGHT
SD	SMOKE DETECTOR
SEC	SECOND, SECURITY, SEATTLE ELECTRICAL CODE
SECT	SECTION
SH	SYSTEM HEIGHT
SI	SECTION INSULATOR
SIG	SIGNAL
SIM	SIMILAR
SNOPUD	SNOHOMISH PUBLIC UTILITIES DISTRICT
SOP	SET OUT POINT
SPKR	SPEAKER
SPST	SINGLE POLE SINGLE THROW
SQ	SQUARE
SQ FT	SQUARE FEET
SQ IN	SQUARE INCHES
S-SPAN	STEADY SPAN
SS	STAINLESS STEEL, SUBSTATION
STA	STATION, STATIONING
SUSP	SUSPENDED
SW	SWITCH
SWA	SINGLE WIRE ANCHOR
SWBD	SWITCHBOARD
SWFT	SINGLE WIRE FIXED TERMINATION (OCS)
SWGR	SWITCHGEAR
SWH	SWITCH HEATER
SWHT	SWITCH HEATER TRANSFORMER
SYS	SYSTEM
T	TRIP
TB	TAP BOX, TERMINAL BLOCK
TBR	TO BE REMOVED
TC	TRACK CIRCUIT
TCR	TRAIN CONTROL ROOM
TD	TRACK DAMPER
TE	TRACTION ELECTRIFICATION
TERM	TERMINAL, TERMINATION
TES	TRACTION ELECTRIFICATION SYSTEM
T/	TOP
T/F	TOP OF FOUNDATION
T/G	TOP OF GROUND LINE
T/L	TENSION LENGTH
T/O	TURNOUT
TOC	TOP OF CONCRETE
TORW	TOP OF RETAINING WALL
TPSS	TRACTION POWER SUBSTATION
T/R, TOR	TOP OF RAIL
TR	TRACK RELAY
TRAC	TRACTION
TS	TANGENT TO SPIRAL
TT	TRANSFER TRIP, TRACK, TRANSFORMER
TTC	TELEPHONE TERMINAL CABINET
TVM	TICKET VENDING MACHINE
TWA	TIE WIRE ANCHOR
TWC	TRAIN TO WAYSIDE COMMUNICATION
TW PR	TWISTED PAIR
UG	UNDERGRADE, UNDERGROUND
UGB	UNDERGRADE BRIDGE
UNO	UNLESS NOTED OTHERWISE
U/S	UNDERSIDE
UPS	UNINTERRUPTIBLE POWER SUPPLY
V	VOLT
VA	VOLT AMPS
VMS	VARIABLE MESSAGE SIGN
VS	VOLTMETER SWITCH
W	WIDE, WIDTH, WEST, WATT
WI	WROUGHT IRON
WF	WIDE FLANGE (BEAM)
WWF	WELDED WIRE FABRIC
WT	WEIGHT, WARNING TIME
WUTC	WASHINGTON UTILITIES AND TRANSPORTATION COMMISSION
XFMR	TRANSFORMER
XMTR	TRANSMITTER
X-SPAN	CROSS SPAN
XW	EXTRA-HEAVY WALL
Y	YARD, YELLOW
YL	YARD LEAD
Z	IMPEDANCE

DESIGN RECORD DRAWING UPDATES ARE BASED ON CONTRACTOR'S REDLINES. THE ITEMS AS SHOWN HAVE NOT BEEN INDEPENDENTLY VERIFIED BY RUSHING.

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	VI	TT	TT	RECORD DRAWINGS

DESIGNED BY: D. NAUSNER
DRAWN BY: S. TUTHILL
CHECKED BY: T. THAYER
APPROVED BY: T. THAYER

RUSHING Engineering – Essentials – Delivery
SUBMITTED BY: SARA ROBERTS

HENSEL PHELPS Plan. Build. Manage.
kpff
DATE: 10/26/2022

LINE IS 1" AT FULL SCALE

REVIEWED BY: GREG SHIMIZU
DATE: 10/26/2022

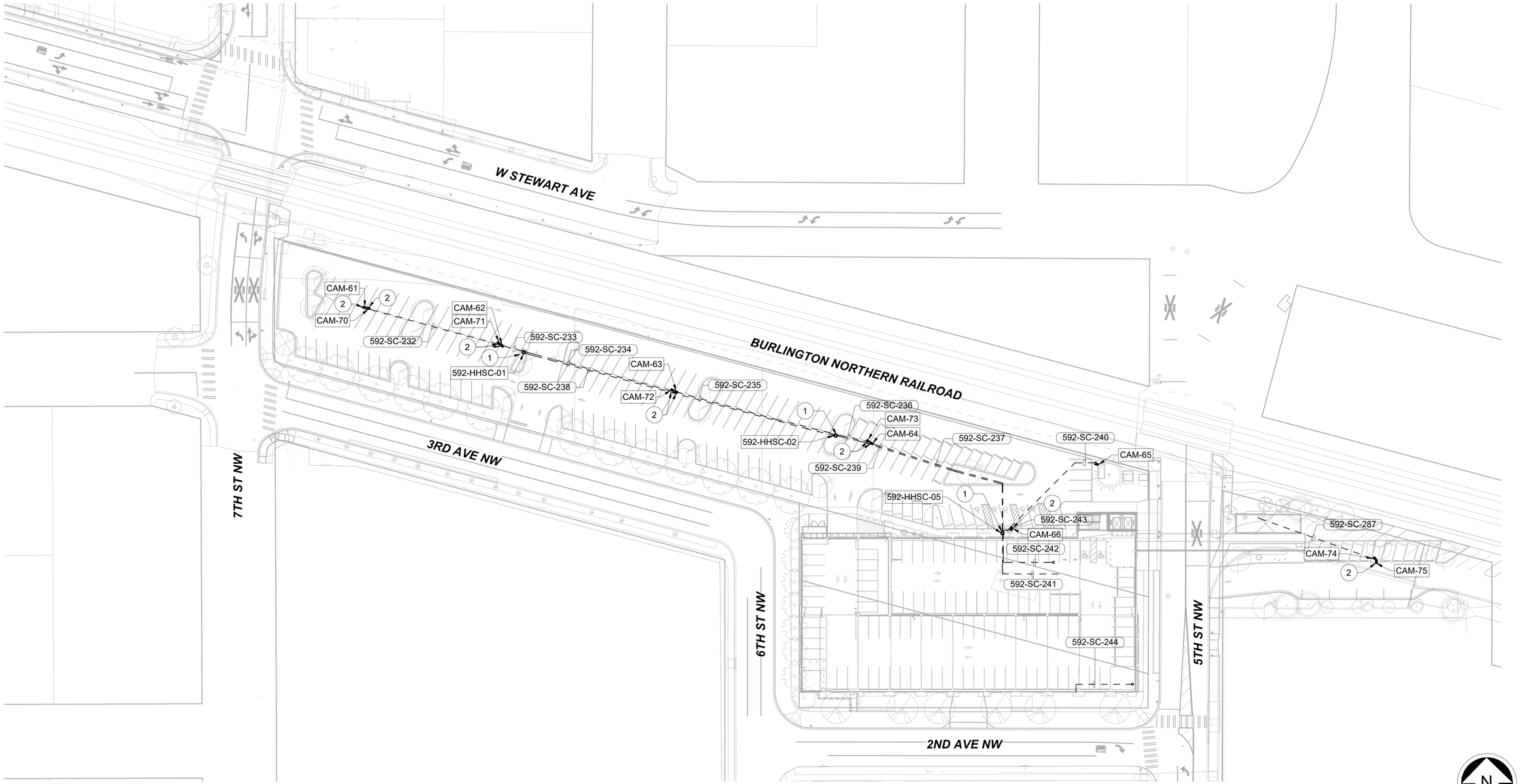
SOUNDTRANSIT
SUBMITTAL DATE: 10/26/2022

SCALE: NTS
FILENAME: S317-F1592-E_v2020
CONTRACT No.: RTA/CN 0612-18

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
SYSTEMS
GENERAL
GENERAL NOTES, SYMBOLS, LEGEND & ABBREVIATIONS

DRAWING No.: F1592-JZN002
FACILITY ID: F1592
SHEET No: 573
REV: 0

8/16/2022 7:29:48 PM
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CONSTRUCTION NOTES:

1. 2'x2'x2' HANDHOLE, FLUSH WITH GRADE/SLAB, STEEL LID, MARKED "SYSTEMS".
2. 180 DEGREE TYPE CAMERA.

N

40' 20' 0 40' 80'

SCALE IN FEET

DESIGN RECORD DRAWING UPDATES ARE BASED ON CONTRACTOR'S REDLINES. THE ITEMS AS SHOWN HAVE NOT BEEN INDEPENDENTLY VERIFIED BY RUSHING.

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	VI	TT	TT	RECORD DRAWINGS

DESIGNED BY: D. NAUSNER
DRAWN BY: S. TUTHILL
CHECKED BY: T. THAYER
APPROVED BY: T. THAYER

RUSHING Engineering-Essentials-Delivery
HENSEL PHELPS Plan. Build. Manage.
kpff

SUBMITTED BY: SARA ROBERTS
DATE: 10/26/2022
REVIEWED BY: GREG SHIMIZU
DATE: 10/26/2022

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT

SCALE: 1" = 40'-0"
FILENAME: S317-F1592-E_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

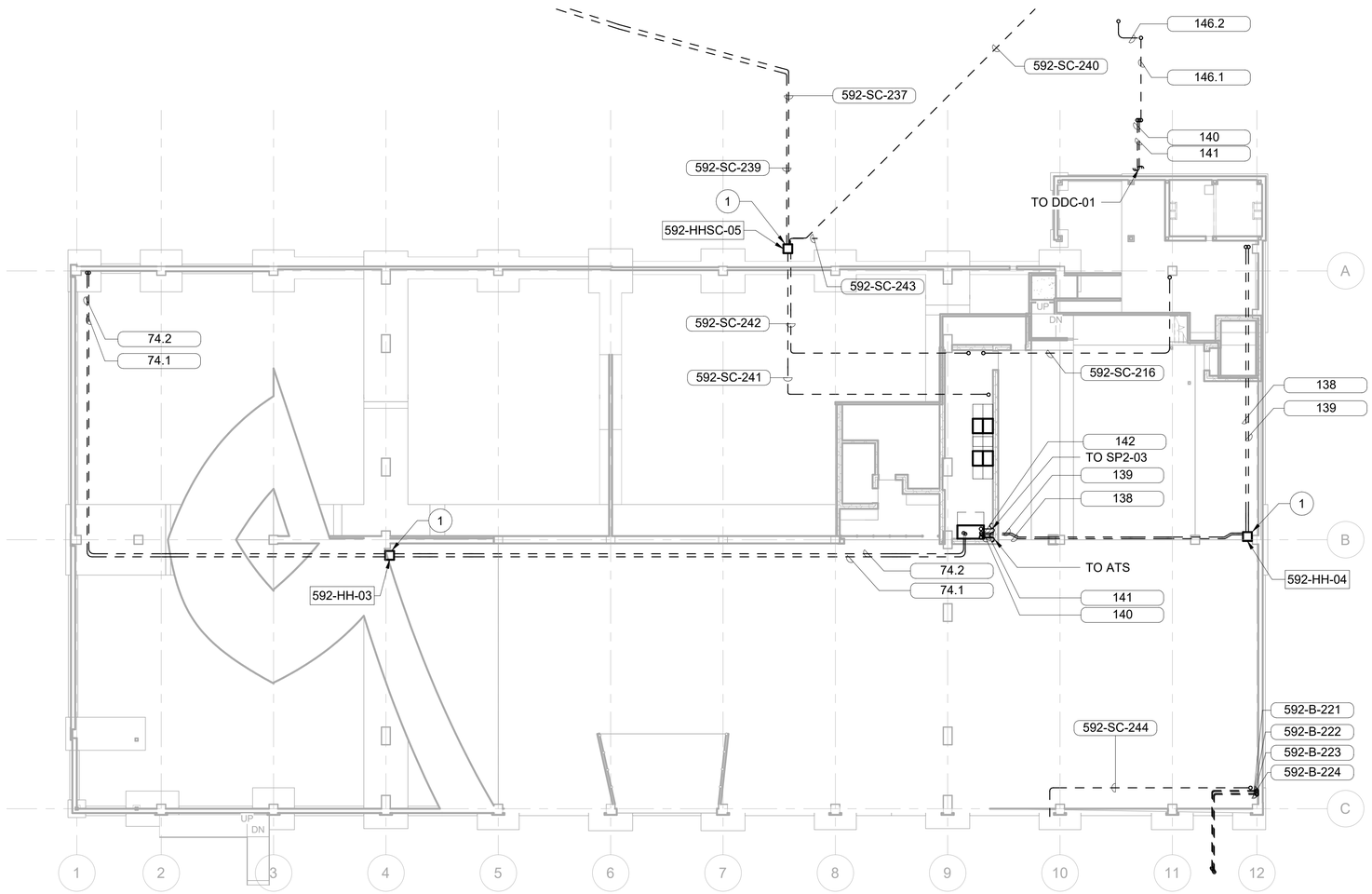
PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
SYSTEMS
GENERAL
COMMUNICATIONS SITE PLAN

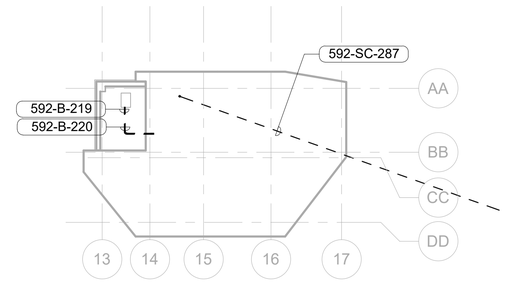
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FACILITY ID: F1592
SHEET No.: 574
REV.: 0

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CONSTRUCTION NOTES:

1. 2'x2'x2' HANDHOLE, FLUSH WITH GRADE/SLAB, STEEL LID, MARKED "SYSTEMS".





N

2' 0' 8' 16' 32'

SCALE IN FEET

DESIGN RECORD DRAWING UPDATES ARE BASED ON CONTRACTOR'S REDLINES. THE ITEMS AS SHOWN HAVE NOT BEEN INDEPENDENTLY VERIFIED BY RUSHING.

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	VI	TT	TT	RECORD DRAWINGS

DESIGNED BY: D. NAUSNER
DRAWN BY: S. TUTHILL
CHECKED BY: T. THAYER
APPROVED BY: T. THAYER

RUSHING Engineering – Essentials – Delivery
SUBMITTED BY: SARA ROBERTS
DATE: 10/26/2022

HENSEL PHELPS Plan. Build. Manage.
kpff
REVIEWED BY: GREG SHIMIZU
DATE: 10/26/2022

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT
SUBMITTAL DATE: 10/26/2022

SCALE: 1/16" = 1'-0"
FILENAME: S317-F1592-E_v2020
CONTRACT No.: RTA/CN 0612-18

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
SYSTEMS
COMMUNICATIONS / BMS PLAN
FOUNDATION LEVEL - OVERALL

DRAWING No.: F1592-JCP100
FACILITY ID: F1592
SHEET No.: 575
REV.: 0

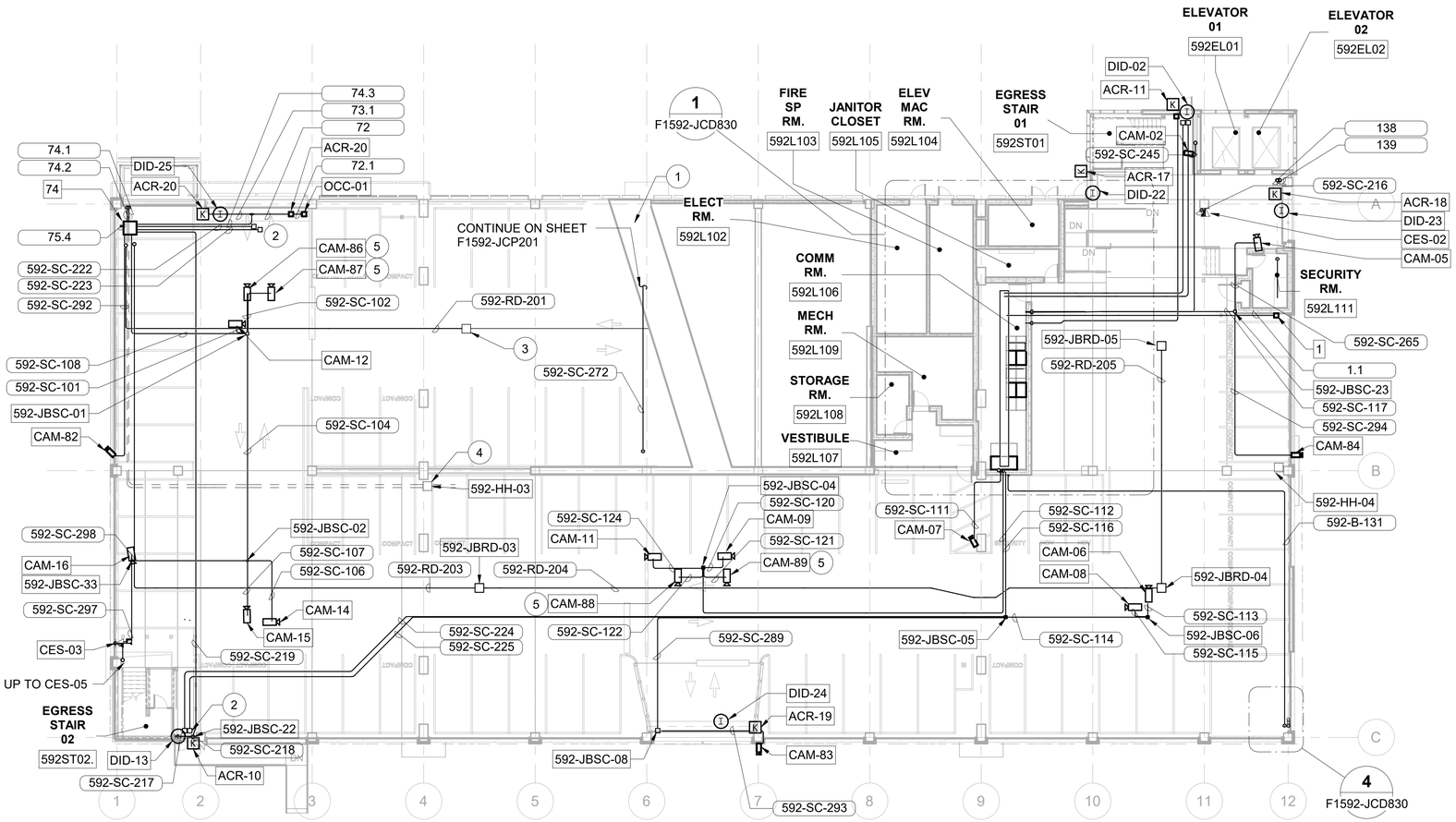
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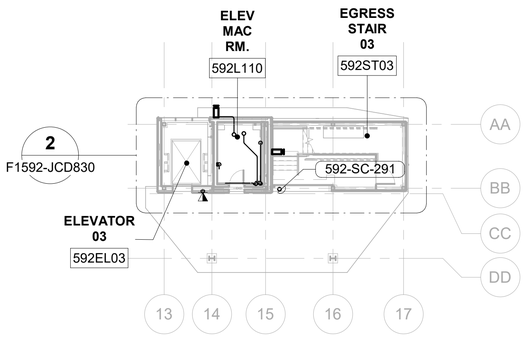
GENERAL NOTES:

1. CEILING MOUNTED CONDUITS SHALL PENETRATE THE MIDDLE THIRD OF OF BEAM DEPTH, AS PER PENETRATION CRITERIA STATED IN STRUCTURAL DRAWINGS.

CONSTRUCTION NOTES:

1. SLOPED RAMP; CONDUIT CONTINUES ON LEVEL ABOVE.
2. CONDUITS FOR FUTURE OWNER PROVIDED EQUIPMENT.
3. RADIO EQUIPMENT JUNCTION BOX, TYP.
4. 2'x2'x2' HANDHOLE, FLUSH WITH GRADE/SLAB, STEEL LID, MARKED "SYSTEMS".
5. LICENSE PLATE RECOGNITION CAMERA.





N

2' 0' 8' 16' 32'

SCALE IN FEET

DESIGN RECORD DRAWING UPDATES ARE BASED ON CONTRACTOR'S REDLINES. THE ITEMS AS SHOWN HAVE NOT BEEN INDEPENDENTLY VERIFIED BY RUSHING.

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FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	VI	TT	TT	RECORD DRAWINGS

DESIGNED BY: D. NAUSNER
DRAWN BY: S. TUTHILL
CHECKED BY: T. THAYER
APPROVED BY: T. THAYER

RUSHING Engineering - Essentials - Delivery
SUBMITTED BY: SARA ROBERTS
DATE: 10/26/2022

HENSEL PHELPS Plan. Build. Manage.
kpff
REVIEWED BY: GREG SHIMIZU
DATE: 10/26/2022

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT
SCALE: 1/16" = 1'-0"
FILENAME: S317-F1592-E_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
SYSTEMS
COMMUNICATIONS / BMS PLAN
LEVEL 1 - OVERALL

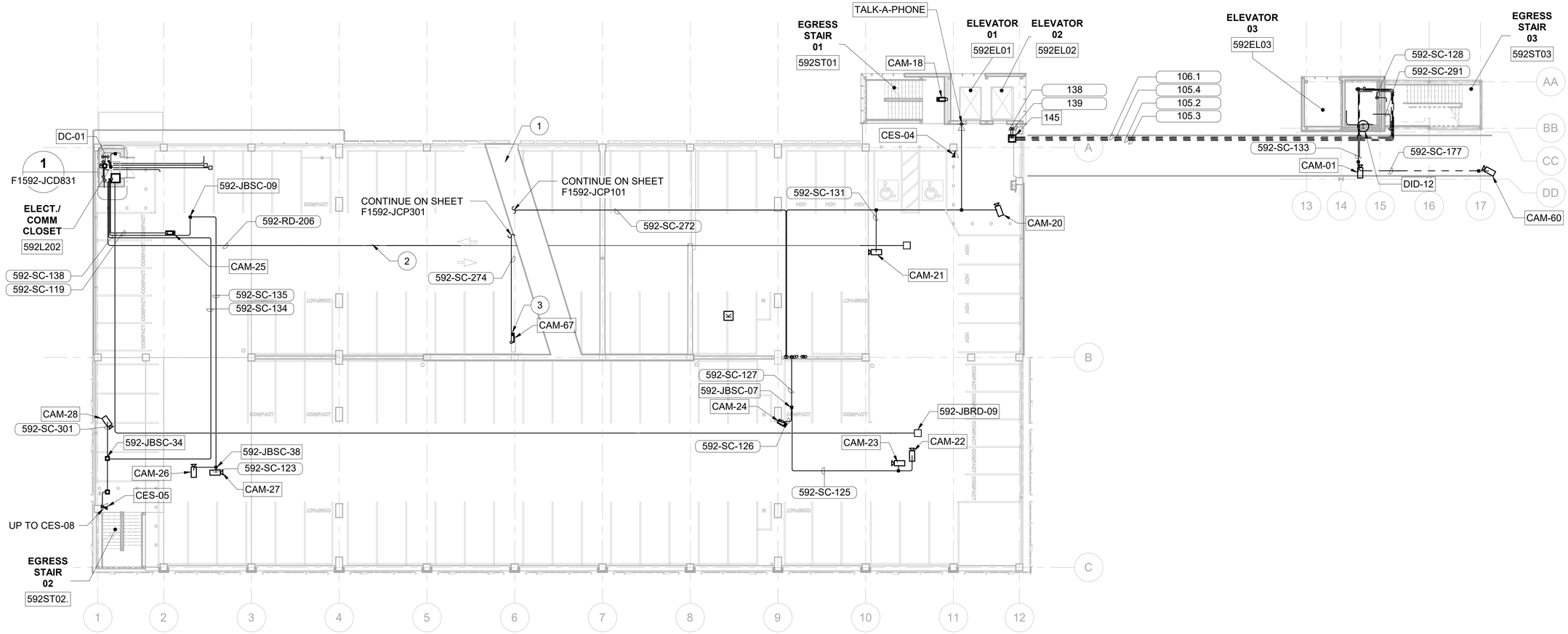
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FACILITY ID: F1592
SHEET No.: 576
REV: 0

GENERAL NOTES:

1. CEILING MOUNTED CONDUITS SHALL PENETRATE THE MIDDLE THIRD OF OF BEAM DEPTH, AS PER PENETRATION CRITERIA STATED IN STRUCTURAL DRAWINGS.

CONSTRUCTION NOTES:

1. SLOPED RAMP; CONDUIT CONTINUES ON LEVEL ABOVE.
2. RADIO EQUIPMENT JUNCTION BOX, TYP.
3. 180 DEGREE TYPE CAMERA.



N

2' 0' 8' 16' 32'

SCALE IN FEET

DESIGN RECORD DRAWING UPDATES ARE BASED ON CONTRACTOR'S REDLINES. THE ITEMS AS SHOWN HAVE NOT BEEN INDEPENDENTLY VERIFIED BY RUSHING.

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	VI	TT	TT	RECORD DRAWINGS

DESIGNED BY: D. NAUSNER
DRAWN BY: S. TUTHILL
CHECKED BY: T. THAYER
APPROVED BY: T. THAYER

RUSHING Engineering - Essentials - Delivery
HENSEL PHELPS Plan. Build. Manage.
kpff

SUBMITTED BY: SARA ROBERTS
DATE: 10/26/2022
REVIEWED BY: GREG SHIMIZU
DATE: 10/26/2022

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT

SCALE: 1/16" = 1'-0"
FILENAME: S317-F1592-E_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS

SYSTEMS
COMMUNICATIONS / BMS PLAN
LEVEL 2 - OVERALL

DRAWING No.: F1592-JCP201
FACILITY ID: F1592
SHEET No: 577
REV: 0

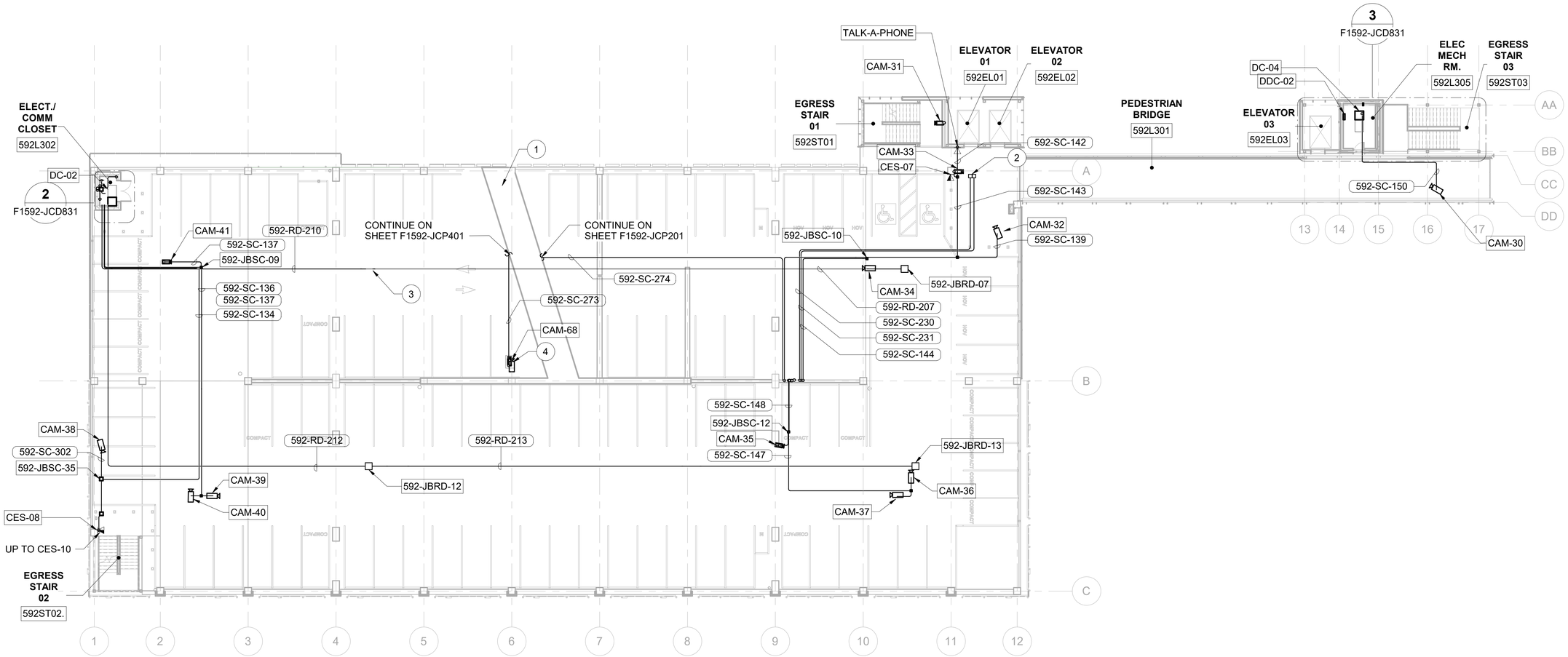
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GENERAL NOTES:

1. CEILING MOUNTED CONDUITS SHALL PENETRATE THE MIDDLE THIRD OF OF BEAM DEPTH, AS PER PENETRATION CRITERIA STATED IN STRUCTURAL DRAWINGS.

CONSTRUCTION NOTES:

1. SLOPED RAMP; CONDUIT CONTINUES ON LEVEL ABOVE.
2. CONDUITS FOR FUTURE OWNER PROVIDED EQUIPMENT.
3. RADIO EQUIPMENT JUNCTION BOX, TYP.
4. 180 DEGREE TYPE CAMERA.



N

2' 0' 8' 16' 32'

SCALE IN FEET

DESIGN RECORD DRAWING UPDATES ARE BASED ON CONTRACTOR'S REDLINES. THE ITEMS AS SHOWN HAVE NOT BEEN INDEPENDENTLY VERIFIED BY RUSHING.

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	VI	TT	TT	RECORD DRAWINGS

DESIGNED BY: D. NAUSNER
DRAWN BY: S. TUTHILL
CHECKED BY: T. THAYER
APPROVED BY: T. THAYER

RUSHING Engineering – Essentials – Delivery
SUBMITTED BY: SARA ROBERTS
DATE: 10/26/2022

HENSEL PHELPS Plan. Build. Manage.
kpff
REVIEWED BY: GREG SHIMIZU
DATE: 10/26/2022

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT
SUBMITTAL DATE: 10/26/2022

SCALE: 1/16" = 1'-0"
FILENAME: S317-F1592-E_v2020
CONTRACT No.: RTA/CN 0612-18

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
SYSTEMS
COMMUNICATIONS / BMS PLAN
LEVEL 3 - OVERALL

DRAWING No.: F1592-JCP301
FACILITY ID: F1592
SHEET No.: 578
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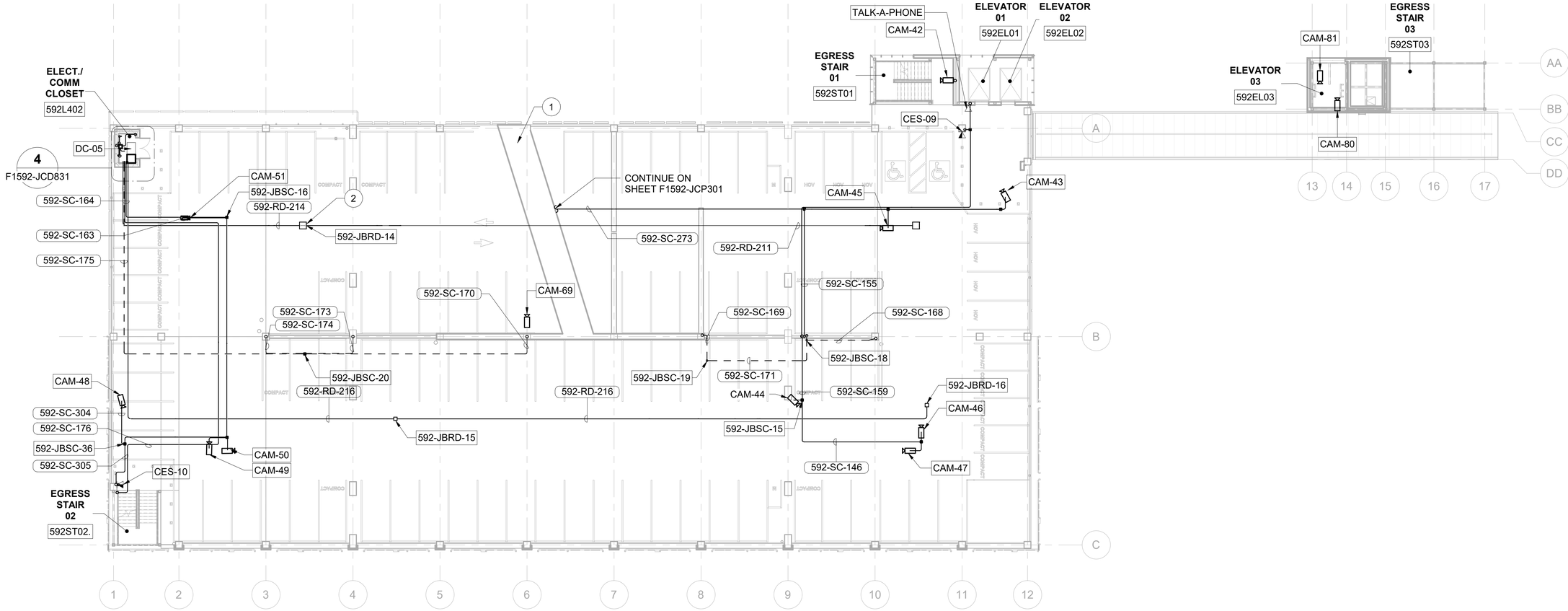
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GENERAL NOTES:

1. CEILING MOUNTED CONDUITS SHALL PENETRATE THE MIDDLE THIRD OF OF BEAM DEPTH, AS PER PENETRATION CRITERIA STATED IN STRUCTURAL DRAWINGS.

CONSTRUCTION NOTES:

1. SLOPED RAMP; CONDUIT CONTINUES ON LEVEL ABOVE.
2. RADIO EQUIPMENT JUNCTION BOX, TYP.
3. 180 DEGREE TYPE CAMERA.



N

2' 0' 8' 16' 32'

SCALE IN FEET

DESIGN RECORD DRAWING UPDATES ARE BASED ON CONTRACTOR'S REDLINES. THE ITEMS AS SHOWN HAVE NOT BEEN INDEPENDENTLY VERIFIED BY RUSHING.

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FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	VI	TT	TT	RECORD DRAWINGS

DESIGNED BY: D. NAUSNER
DRAWN BY: S. TUTHILL
CHECKED BY: T. THAYER
APPROVED BY: T. THAYER

RUSHING Engineering - Essentials - Delivery
SUBMITTED BY: SARA ROBERTS

HENSEL PHELPS Plan. Build. Manage.
kpff
DATE: 10/26/2022
REVIEWED BY: GREG SHIMIZU

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT
DATE: 10/26/2022

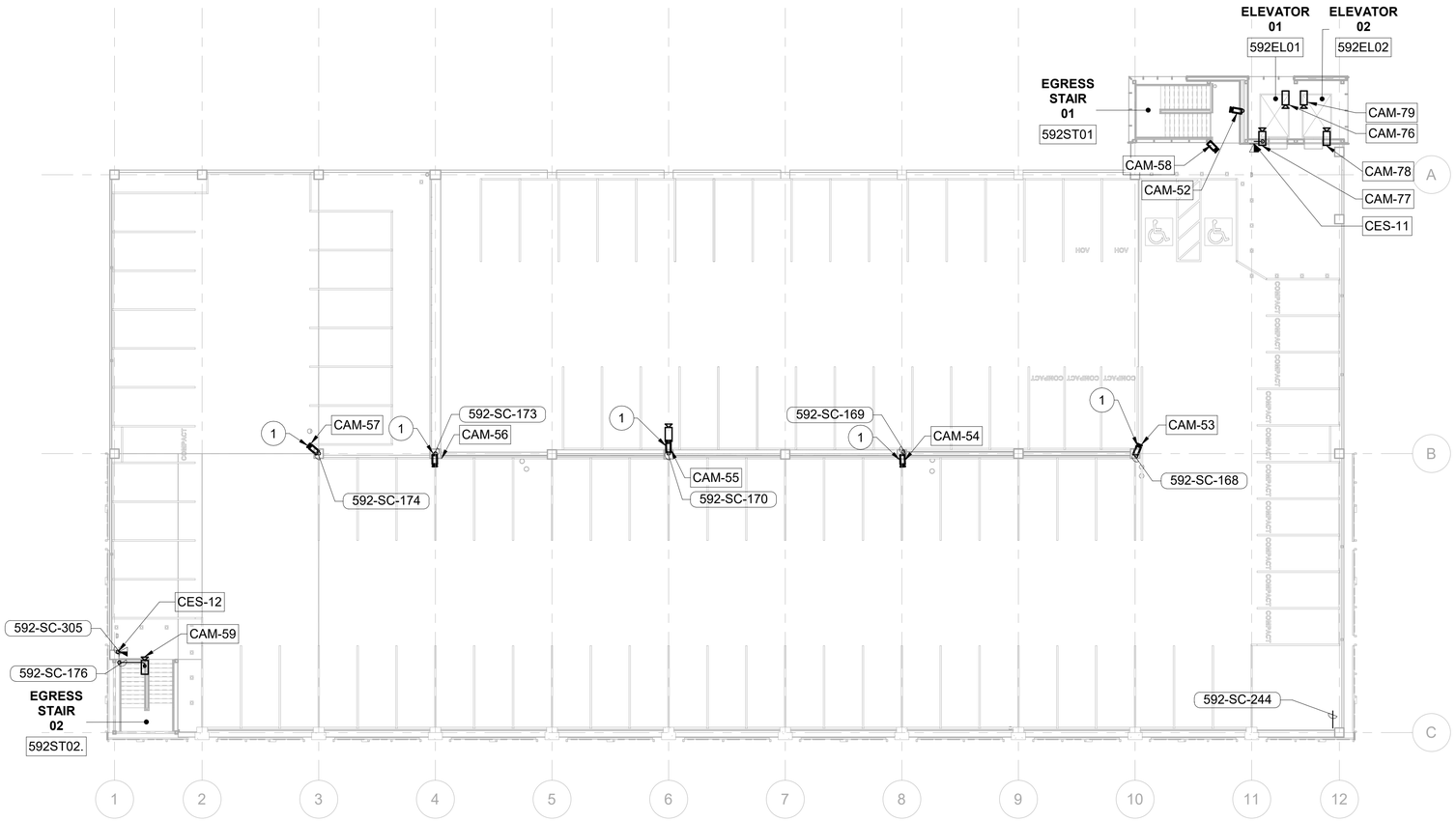
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FILENAME: S317-F1592-E_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
SYSTEMS
COMMUNICATIONS / BMS PLAN
LEVEL 4 - OVERALL

DRAWING No.: F1592-JCP401
FACILITY ID: F1592
SHEET No.: 579
REV.: 0

CONSTRUCTION NOTES:

(1) 180 DEGREE TYPE CAMERA.



N

2' 0' 8' 16' 32'

SCALE IN FEET

DESIGN RECORD DRAWING UPDATES ARE BASED ON CONTRACTOR'S REDLINES. THE ITEMS AS SHOWN HAVE NOT BEEN INDEPENDENTLY VERIFIED BY RUSHING.

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FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	VI	TT	TT	RECORD DRAWINGS

DESIGNED BY: D. NAUSNER
DRAWN BY: S. TUTHILL
CHECKED BY: T. THAYER
APPROVED BY: T. THAYER

RUSHING Engineering - Essentials - Delivery

HENSEL PHELPS Plan. Build. Manage.

kpff

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT

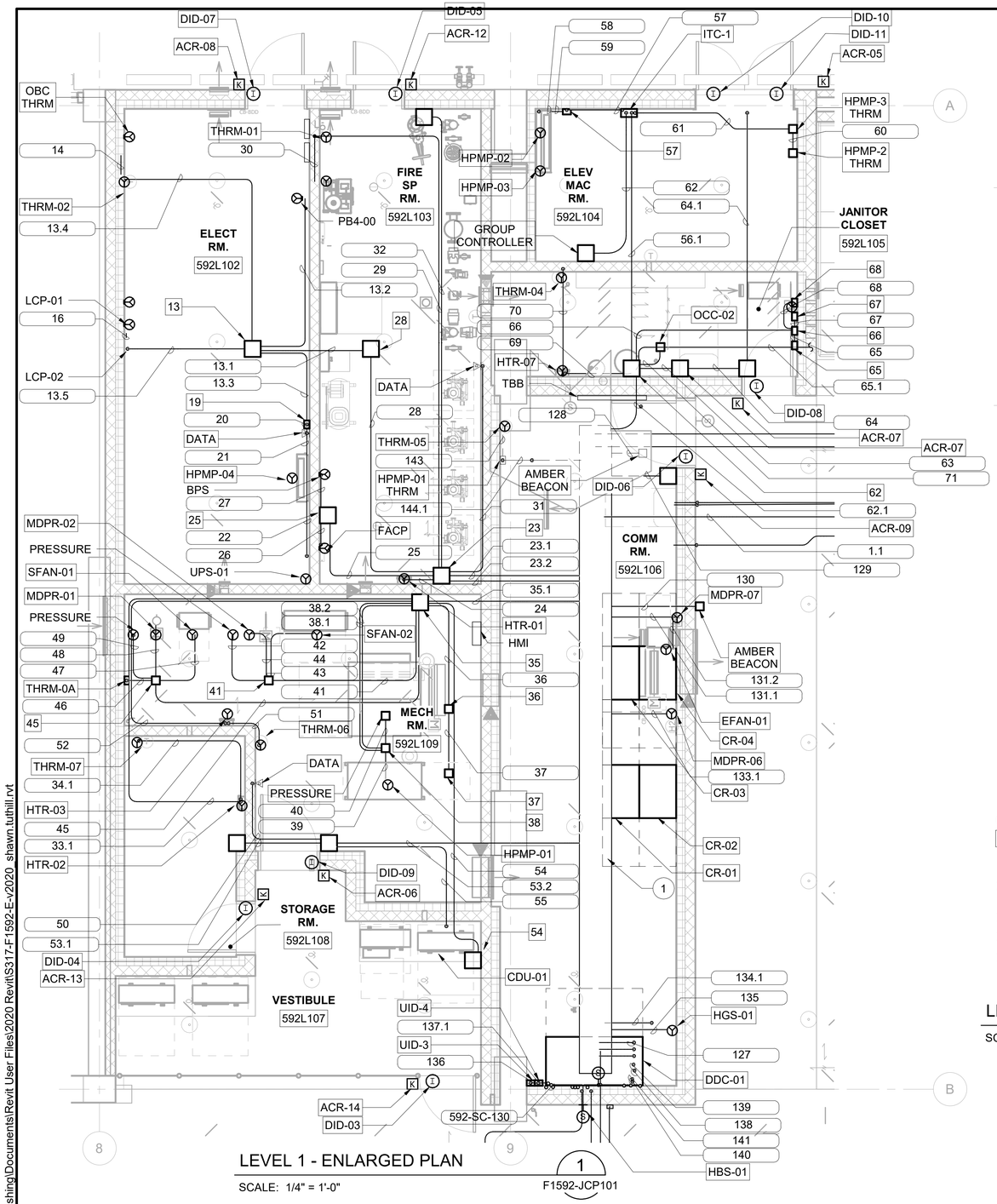
SUBMITTED BY: SARA ROBERTS
DATE: 10/26/2022
REVIEWED BY: GREG SHIMIZU
DATE: 10/26/2022

SCALE: 1/16" = 1'-0"
FILENAME: S317-F1592-E_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS

SYSTEMS
COMMUNICATIONS / BMS PLAN
LEVEL 5 - OVERALL

DRAWING No.: **F1592-JCP501**
FACILITY ID: F1592
SHEET No: 580
REV: 0



CONSTRUCTION NOTES:

1. LADDER-TYPE CABLE TRAY SUSPENDED FROM CEILING. CABLE TRAY DIMENSIONS: 24"W x 6"D.

LEVEL 1 - ENLARGED PLAN

SCALE: 1/4" = 1'-0"

1 F1592-JCP101

LEVEL 1 - EAST ABUTMENT

SCALE: 1/4" = 1'-0"

2 F1592-JCP101

LEVEL 1 - SECURITY ROOM

SCALE: 1/4" = 1'-0"

3 F1592-JCP101

LEVEL 1 - GARAGE SUMP PUMP CONTROLLER

SCALE: 1/4" = 1'-0"

4 F1592-JCP101

1' 0 2' 4' 8'

SCALE IN FEET

DESIGN RECORD DRAWING UPDATES ARE BASED ON CONTRACTOR'S REDLINES. THE ITEMS AS SHOWN HAVE NOT BEEN INDEPENDENTLY VERIFIED BY RUSHING.

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FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	VI	TT	TT	RECORD DRAWINGS

DESIGNED BY: D. NAUSNER
DRAWN BY: S. TUTHILL
CHECKED BY: T. THAYER
APPROVED BY: T. THAYER

RUSHING Engineering - Essentials - Delivery
HENSEL PHELPS Plan. Build. Manage.
kpff
SOUNDTRANSIT

SUBMITTED BY: SARA ROBERTS
DATE: 10/26/2022
REVIEWED BY: GREG SHIMIZU
DATE: 10/26/2022

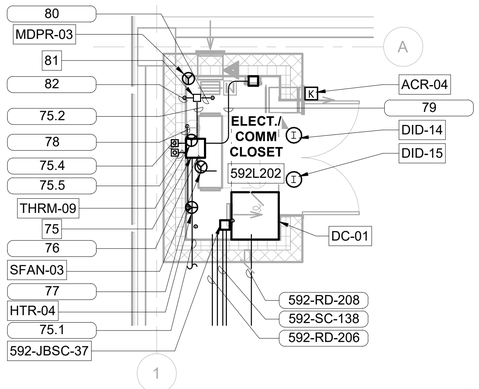
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SCALE: 1/4" = 1'-0"
FILENAME: S317-F1592-E_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS

SYSTEMS
COMMUNICATIONS / BMS
ENLARGED PLANS

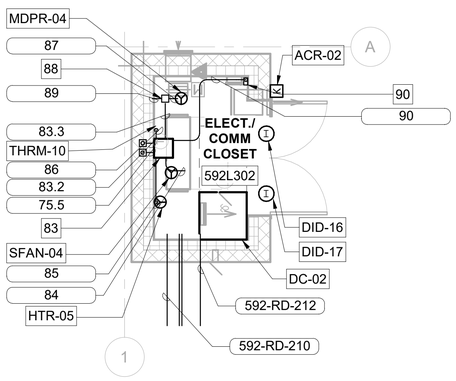
DRAWING No.: F1592-JCD830
FACILITY ID: F1592
SHEET No.: 581
REV.: 0



LEVEL 2 - COMM CLOSET

SCALE: 1/4" = 1'-0"

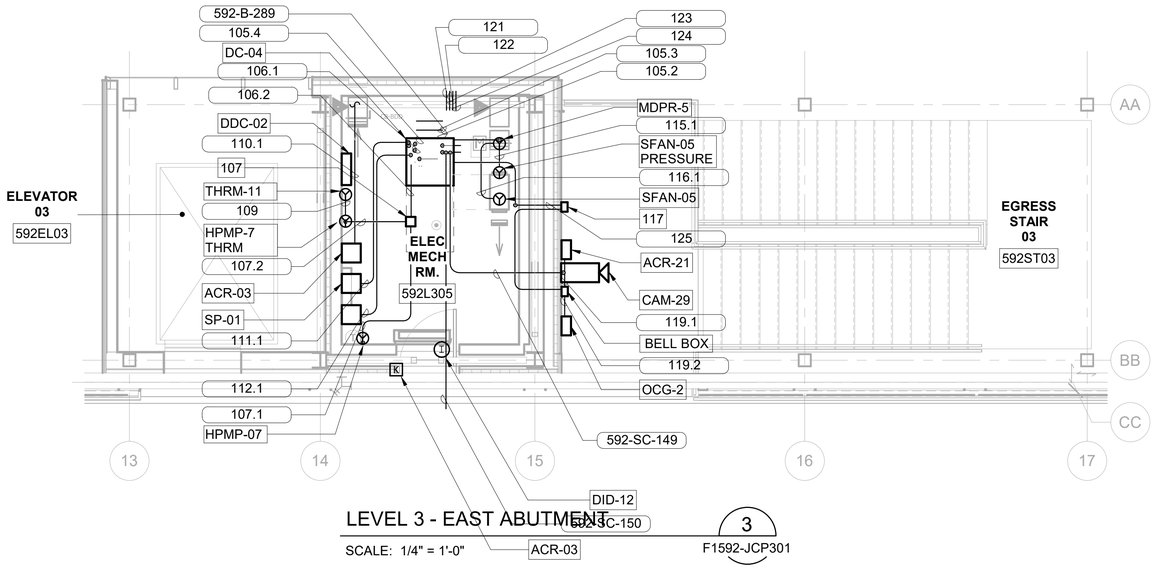
1 F1592-JCP201



LEVEL 3 - COMM CLOSET

SCALE: 1/4" = 1'-0"

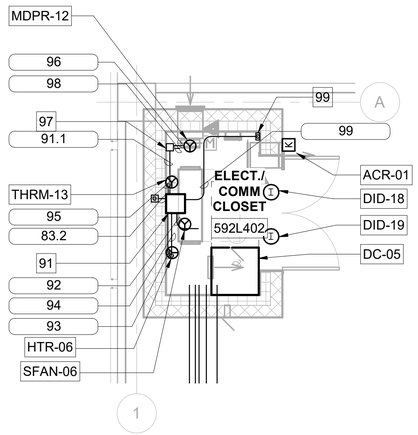
2 F1592-JCP301



LEVEL 3 - EAST ABUTMENT

SCALE: 1/4" = 1'-0"

3 F1592-JCP301



LEVEL 4 - COMM CLOSET

SCALE: 1/4" = 1'-0"

4 F1592-JCP401



1' 0 2' 4' 8'

SCALE IN FEET

DESIGN RECORD DRAWING UPDATES ARE BASED ON CONTRACTOR'S REDLINES. THE ITEMS AS SHOWN HAVE NOT BEEN INDEPENDENTLY VERIFIED BY RUSHING.

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FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	VI	TT	TT	RECORD DRAWINGS

DESIGNED BY: D. NAUSNER
DRAWN BY: S. TUTHILL
CHECKED BY: T. THAYER
APPROVED BY: T. THAYER

RUSHING Engineering - Essentials - Delivery
SUBMITTED BY: SARA ROBERTS
DATE: 10/26/2022

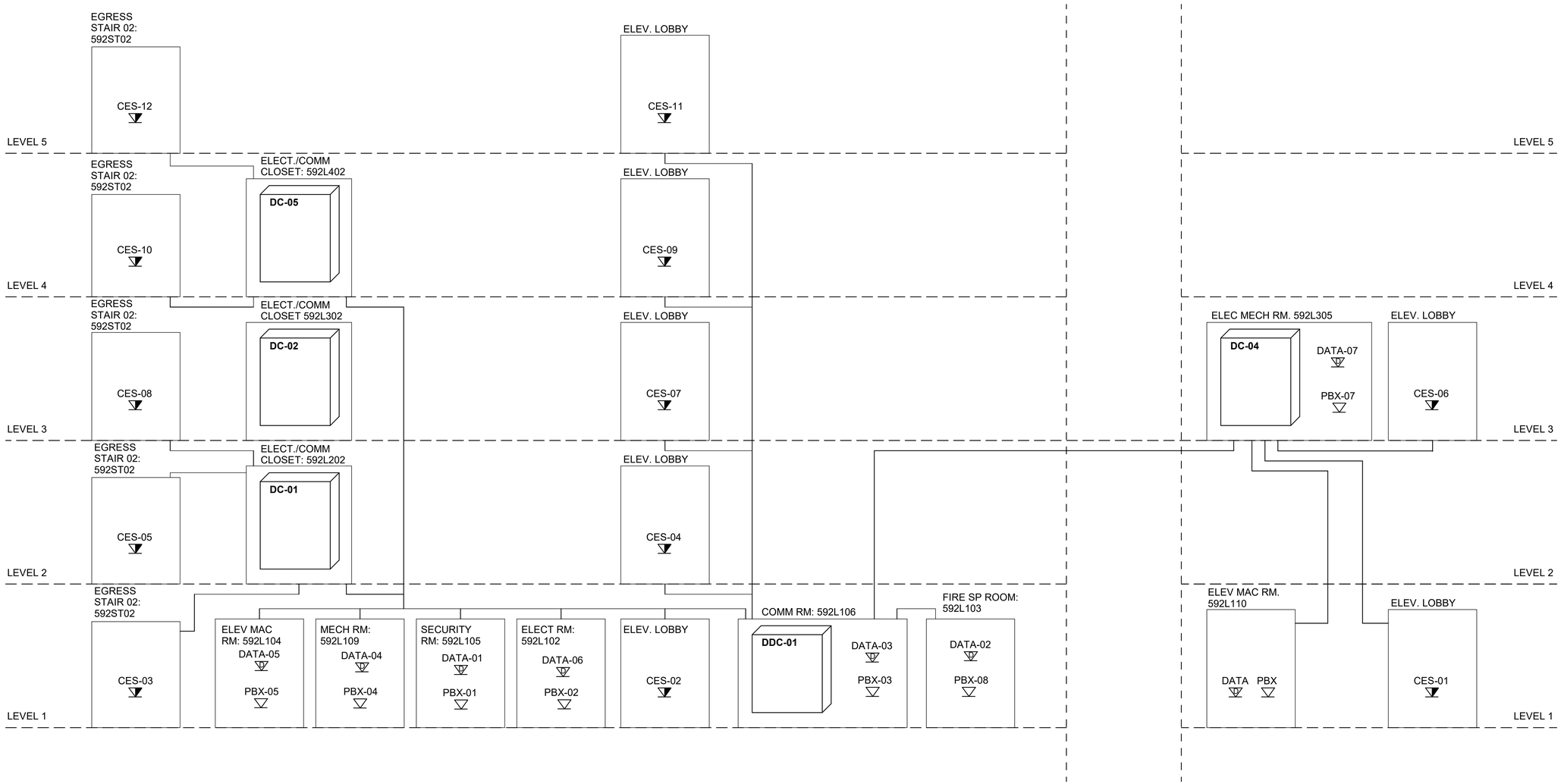
HENSEL PHELPS Plan. Build. Manage.
kpff
REVIEWED BY: GREG SHIMIZU
DATE: 10/26/2022

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT
SCALE: 1/4" = 1'-0"
FILENAME: S317-F1592-E_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
SYSTEMS
COMMUNICATIONS / BMS
ENLARGED PLANS

DRAWING No.: F1592-JCD831
FACILITY ID: F1592
SHEET No.: 582
REV.: 0



NOTES:

ALL CONNECTIONS SHOWN ON THIS DIAGRAM ARE COPPER CAT6.

DESIGN RECORD DRAWING UPDATES ARE BASED ON CONTRACTOR'S REDLINES. THE ITEMS AS SHOWN HAVE NOT BEEN INDEPENDENTLY VERIFIED BY RUSHING.

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	VI	TT	TT	RECORD DRAWINGS

DESIGNED BY: D. NAUSNER
DRAWN BY: S. TUTHILL
CHECKED BY: T. THAYER
APPROVED BY: T. THAYER

RUSHING Engineering - Essentials - Delivery
HENSEL PHELPS Plan. Build. Manage.
kpff
SUBMITTED BY: SARA ROBERTS
DATE: 10/26/2022
REVIEWED BY: GREG SHIMIZU
DATE: 10/26/2022

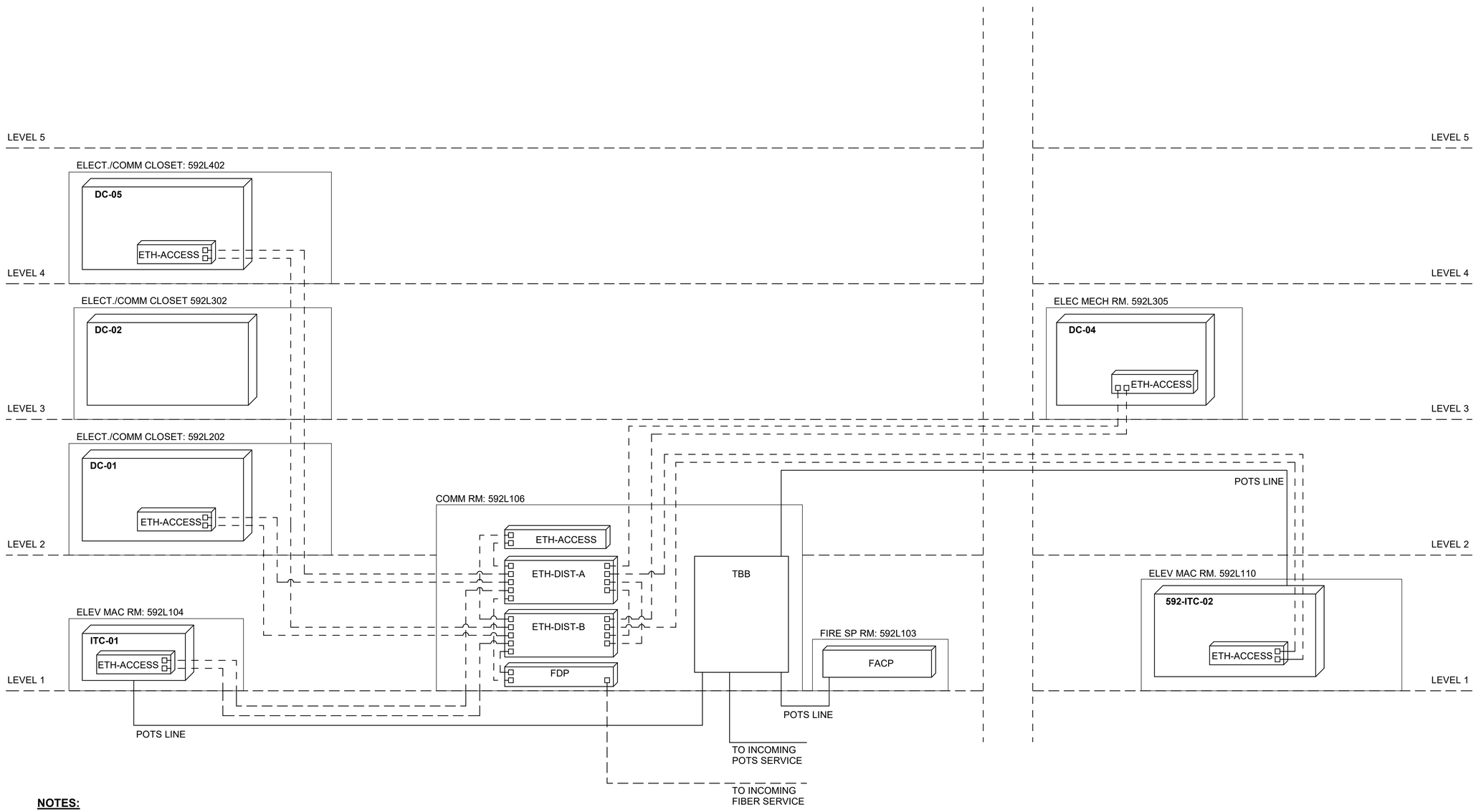
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SOUNDTRANSIT
SCALE: NTS
FILENAME: S317-F1592-E_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
SYSTEMS
COMMUNICATIONS / BMS
RISER DIAGRAM

DRAWING No.: F1592-JCS935
FACILITY ID: F1592
SHEET No.: 583
REV.: 0

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NOTES:

DASHED CONNECTIONS ARE FIBER, SOLID CONNECTIONS ARE COPPER.

DESIGN RECORD DRAWING UPDATES ARE BASED ON CONTRACTOR'S REDLINES. THE ITEMS AS SHOWN HAVE NOT BEEN INDEPENDENTLY VERIFIED BY RUSHING.

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	VI	TT	TT	RECORD DRAWINGS

DESIGNED BY: D. NAUSNER
DRAWN BY: S. TUTHILL
CHECKED BY: T. THAYER
APPROVED BY: T. THAYER

RUSHING Engineering – Essentials – Delivery
SUBMITTED BY: SARA ROBERTS

HENSEL PHELPS Plan. Build. Manage.
kpff
DATE: 10/26/2022
REVIEWED BY: GREG SHIMIZU

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT
DATE: 10/26/2022

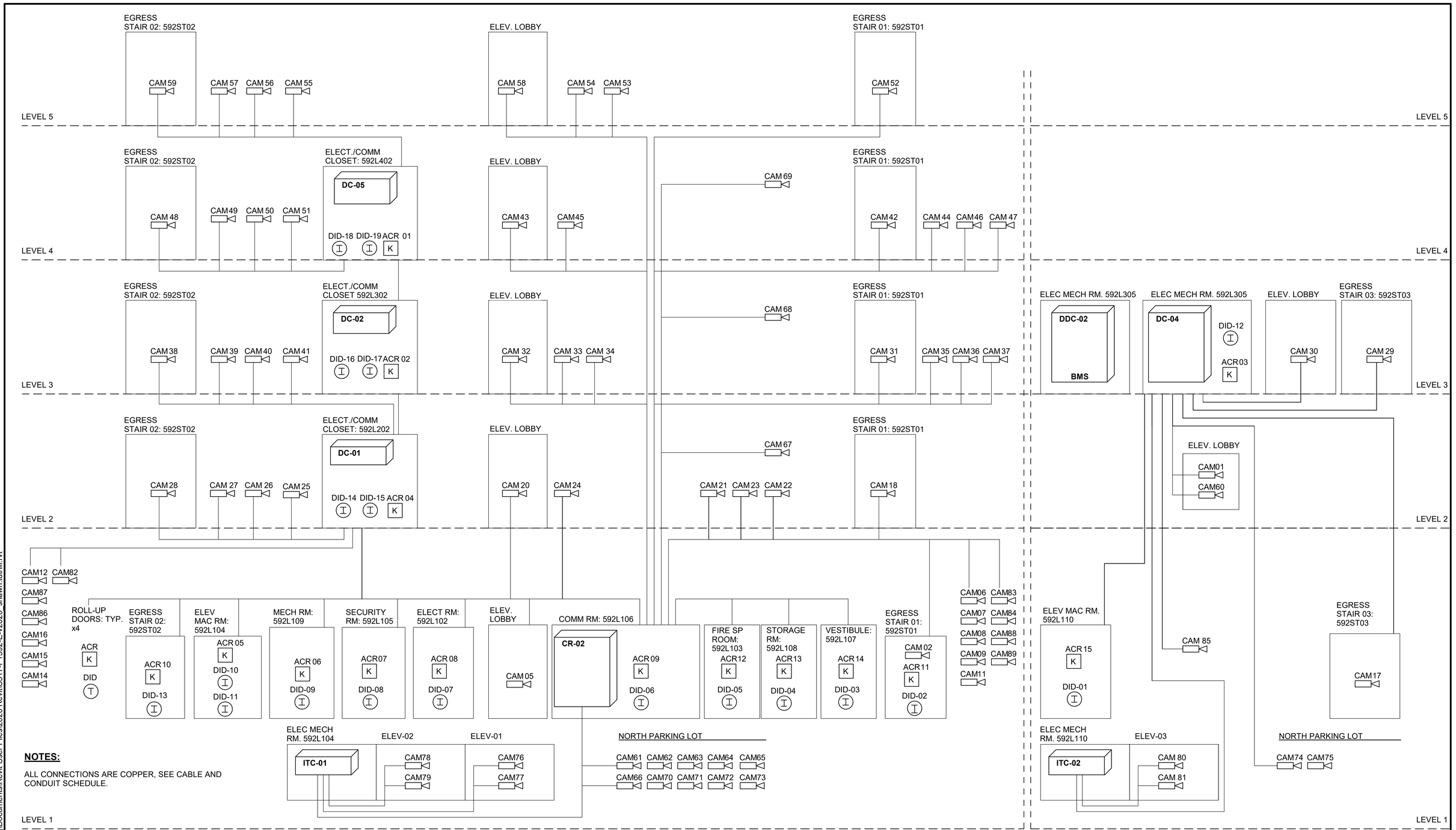
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FILENAME: S317-F1592-E_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS

SYSTEMS
COMMUNICATIONS / BMS
RISER DIAGRAM

DRAWING No.: F1592-JBS940
FACILITY ID: F1592
SHEET No.: 584
REV.: 0

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NOTES:

ALL CONNECTIONS ARE COPPER, SEE CABLE AND CONDUIT SCHEDULE.

DESIGN RECORD DRAWING UPDATES ARE BASED ON CONTRACTOR'S REDLINES. THE ITEMS AS SHOWN HAVE NOT BEEN INDEPENDENTLY VERIFIED BY RUSHING.

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	VI	TT	TT	RECORD DRAWINGS

DESIGNED BY: D. NAUSNER
DRAWN BY: S. TUTHILL
CHECKED BY: T. THAYER
APPROVED BY: T. THAYER

RUSHING Engineering - Essentials - Delivery
SUBMITTED BY: SARA ROBERTS
DATE: 10/26/2022

HENSEL PHELPS Plan. Build. Manage.
kpff
REVIEWED BY: GREG SHIMIZU
DATE: 10/26/2022

LINE IS 1" AT FULL SCALE

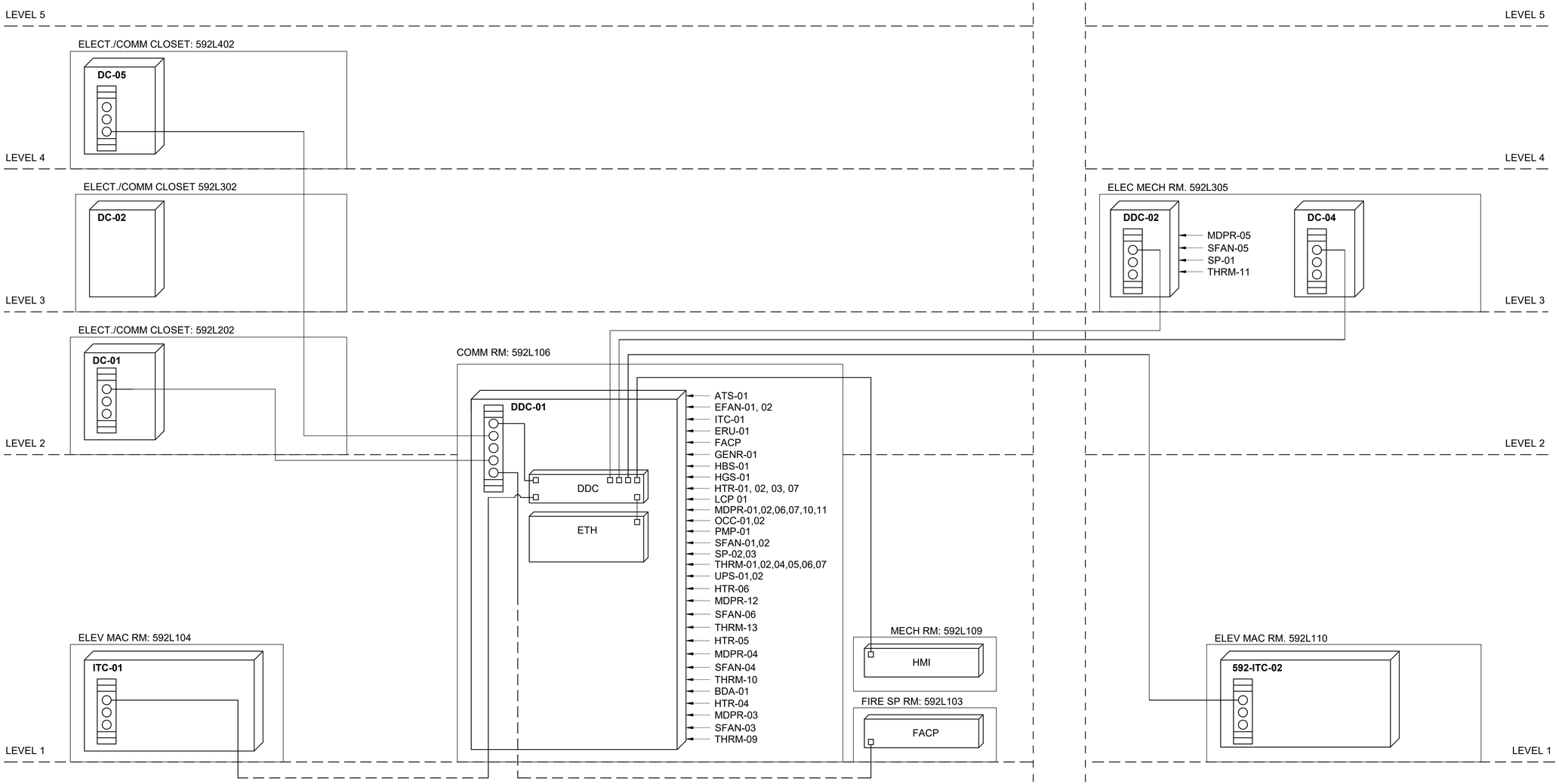
SOUNDTRANSIT
SCALE: NTS
FILENAME: S317-F1592-E_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS

SYSTEMS
COMMUNICATIONS / BMS
RISER DIAGRAM - SECURITY

DRAWING No.: F1592-JBS941
FACILITY ID: F1592
SHEET No: 585
REV: 0

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DESIGN RECORD DRAWING UPDATES ARE BASED ON CONTRACTOR'S REDLINES. THE ITEMS AS SHOWN HAVE NOT BEEN INDEPENDENTLY VERIFIED BY RUSHING.

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	VI	TT	TT	RECORD DRAWINGS

DESIGNED BY: D. NAUSNER
DRAWN BY: S. TUTHILL
CHECKED BY: T. THAYER
APPROVED BY: T. THAYER

RUSHING Engineering – Essentials – Delivery
SUBMITTED BY: SARA ROBERTS

HENSEL PHELPS Plan. Build. Manage.
kpff
DATE: 10/26/2022

REVIEWED BY: GREG SHIMIZU

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT
DATE: 10/26/2022

SCALE: NTS
FILENAME: S317-F1592-E_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS

SYSTEMS
COMMUNICATIONS / BMS
RISER DIAGRAM - DDC

DRAWING No.: F1592-JBS942
FACILITY ID: F1592
SHEET No: 586
REV: 0

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DDC CONDUIT SCHEDULE

CONDUIT	EQUIPMENT ORIGIN	ORIGIN LOCATION	EQUIP. DESTINATION	DEST. LOCATION	COND. SIZE	CONTENTS	DRAWING SHEET
1.1	1	GARAGE	CABLE TRAY	592L106	3"	(1) 7C 14AWG, (1) 5C 14AWG, (2) 3C 22AWG SLD, (1) 4C 22AWG, (5) 2C 18AWG	F1592-JCP101, F1592-JCD830
1.2	2	592L111	1	GARAGE	2-1/2"	(1) 7C 14AWG, (1) 5C 14AWG, (2) 3C 22AWG SLD, (1) 4C 22AWG, (3) 2C 18AWG	F1592-JCD830
1.3	2	592L111	1	GARAGE	1-1/4"	(2) 2C 18AWG, NON BMS DATA	F1592-JCD830
1.4	2	592L111	1	GARAGE	1"	EMPTY	F1592-JCD830
1.5	2	592L111	1	GARAGE	1"	NON BMS, DATA	F1592-JCD830
3	FBOX-02	592L111	2	592L111	3/4"	(1) 2C 18AWG	F1592-JCD830
4	HPMP-06	592L111	2	592L111	3/4"	(2) 3C 22AWG	F1592-JCD830
5	MDPR-11	592L111	2	592L111	3/4"	(1) 7C 14AWG	F1592-JCD830
6	6	592L111	2	592L111	3/4"	(1) 4C 22AWG	F1592-JCD830
7	OCC-01	592L111	6	592L111	3/4"	(1) 4C 22AWG	F1592-JCD830
8	ACR-16	592L111	2	592L111	3/4"	NON BMS	F1592-JCD830
9	ACR-18	592L111	2	592L111	3/4"	(2) 2C 18AWG	F1592-JCD830
9.1	OCG-04	592L111	ACR-18	592L111	3/4"	(2) 2C 18AWG	F1592-JCD830
10	10	592L112	2	592L111	2-1/2"	(1) 5C 14AWG, (1) 2C 18AWG	F1592-JCD830
11	ERU-01	592L112	10	592L112	3/4"	(1) 5C 14AWG, (1) 2C 18AWG	F1592-JCD830
12	THRM-14	592L111	2	592L111	3/4"	(1) 2C 18AWG	F1592-JCD830
13.1	13	592L102	28	592L103	2"	(3) 3C 22AWG SLD, (2) 4C 22AWG SLD, (3) 4C 22AWG, (2) 2C 18AWG, (1) CAT6	F1592-JCD830
13.2	PB4-00	592L102	13	592L102	1"	EMPTY	F1592-JCD830
13.3	19	592L102	13	592L102	1"	(2) 3C 22AWG SLD, (2) 2C 18AWG, (1) 4C 22AWG	F1592-JCD830
13.4	THRM-02	592L102	12	592L102	1"	(2) 4C 22AWG SLD, (1) 2C 18AWG	F1592-JCD830
13.5	LCP-2	592L102	13	592L102	1"	(2) 4C 22AWG, (1) 3C 22AWG, (1) CAT6	F1592-JCD830
14	OBC THRM	592L102	THRM-02	592L102	3/4"	(1) 2C 18AWG	F1592-JCD830
16	LCP-1	592L102	LCP-2	592L102	1"	(2) 4C 22AWG, (1) 3C 22AWG, (1) CAT6	F1592-JCD830
20	DATA	592L102	19	592L102	1"	NO BMS PULLED	F1592-JCD830
21	HPMP-04	592L102	DATA-07	592L102	1"	(2) 3C 22AWG SLD, (1) 2C 18AWG	F1592-JCD830
22	UPS-01	592L102	13	592L102	1"	(1) 2C 18AWG, (1) 4C 22AWG	F1592-JCD830
23.1	23	592L103	CABLE TRAY	592L106	2"	NO BMS PULLED	F1592-JCD830
23.2	23	592L103	CABLE TRAY	592L106	3"	(5) 2C 18AWG, (1) 12C 14AWG, (1) CAT 6	F1592-JCD830
24	HTR-01	592L103	23	592L103	1"	(1) 2C 18AWG	F1592-JCD830
25	25	592L103	23	592L103	1"	(1) 12C 14AWG (SPARE), (2) 2C 18AWG (SPARE)	F1592-JCD830
26	FACP	592L103	25	592L103	1"	NO BMS PULLED	F1592-JCD830
27	BPS	592L103	25	592L103	1"	NO BMS PULLED	F1592-JCD830
28	28	592L103	23	592L103	2-1/2"	(3) 3C 22AWG SLD, (2) 4C 22AWG SLD, (3) 4C 22AWG, (2) 2C 18AWG, (1) CAT6	F1592-JCD830
29	THRM-01	592L103	23	592L103	1"	(1) 4C 22AWG SLD, (1) 2C 18AWG	F1592-JCD830
30	PMP-01	592L103	THRM-01	592L103	1"	(1) 2C 18AWG	F1592-JCD830
31	DATA	592L103	23	592L103	1"	NO BMS PULLED	F1592-JCD830
32	ACR-12	592L103	23	592L103	1"	NO BMS PULLED	F1592-JCD830
33.1	HTR-02	592L108	35	592L109	1"	(2) 4C 22AWG SLD, (1) 2C 18AWG, (1) SPARE	F1592-JCD830
34.1	THRM-07	592L108	HTR-02	592L108	1"	(2) 4C 22AWG SLD, (1) SPARE	F1592-JCD830
35.1	35	592L109	CABLE TRAY	592L106	3"	(4) 4C 22AWG SLD, (2) 7C 14AWG, (2) 5C 14AWG, (2) 3C 22AWG, (7) 2C 18AWG	F1592-JCD830
36	36	592L109	35	592L109	1"	SPARE, NO BMS PULLED	F1592-JCD830
37	37	592L109	36	592L109	1"	SPARE, NO BMS PULLED	F1592-JCD830
38.1	38	592L109	35	592L109	1"	SPARE, NO BMS PULLED	F1592-JCD830
38.2	38	592L109	35	592L109	1"	(2) 3C 22AWG SLD, (1) 2C 18AWG	F1592-JCD830
39	HPMP-01	592L109	38	592L109	1/2" FLEX	(2) 3C 22AWG SLD	F1592-JCD830
40	HPMP-01 PRESSURE	592L109	38	592L109	1/2" FLEX	(1) 2C 18AWG	F1592-JCD830
41	41	592L109	35	592L109	1-1/4"	(1) 7C 14AWG, (1) 5C 14AWG, (1) 2C 18AWG	F1592-JCD830
42	PRESSURE	592L109	41	592L109	1/2" FLEX	(1) 2C 18AWG	F1592-JCD830
43	SFAN-02	592L109	41	592L109	1/2" FLEX	(1) 5C 14AWG	F1592-JCD830
44	MDPR-02	592L109	41	592L109	1/2" FLEX	(1) 7C 14AWG	F1592-JCD830
45	45	592L109	35	592L109	1-1/4"	(1) 7C 14AWG, (1) 5C 14AWG, (2) 2C 18AWG	F1592-JCD830
46	THRM-0A	592L109	45	592L109	1/2" FLEX	(1) 2C 18AWG	F1592-JCD830
47	SFAN-01	592L109	45	592L109	1/2" FLEX	(1) 5C 14AWG	F1592-JCD830
48	MDPR-01	592L109	45	592L109	1/2" FLEX	(1) 7C 14AWG	F1592-JCD830
49	PRESSURE	592L109	45	592L109	1/2" FLEX	(1) 2C 18AWG	F1592-JCD830
50	DATA	592L109	ACR-06	592L109	1"	NO BMS PULLED	F1592-JCD830
51	THRM-06	592L109	HTR-03	592L109	3/4"	(2) 3C 22AWG SLD	F1592-JCD830
52	HTR-03	592L109	35	592L109	1"	(2) 3C 22AWG SLD, (1) 2C 18AWG	F1592-JCD830
53.1	ACR-13	592L108	ACR-06	592L109	1"	NO BMS PULLED	F1592-JCD830
53.2	ACR-06	592L108	CABLE TRAY	592L106	3"	NO BMS PULLED	F1592-JCD830
54	54	592L107	35	592L109	1"	NO BMS PULLED	F1592-JCD830
55	CDU-01	592L107	ACR-06	592L109	1"	NO BMS PULLED	F1592-JCD830
56.1	ITC-1	592L104	62	592L104	3"	(4) 12C 14AWG, (3) 3C 22AWG, (1) 2C 18AWG	F1592-JCD830
57	57	592L104	ITC-1	592L104	3/4"	(2) 3C 22AWG, (2) 2C 18AWG	F1592-JCD830
58	HPMP-03	592L104	57	592L104	3/4" FLEX	(1) 2C 18AWG, (2) 3C 22AWG	F1592-JCD830
59	HPMP-02	592L104	57	592L104	3/4"	(1) 2C 18AWG, (2) 3C 22AWG	F1592-JCD830
60	HPMP-2 THRM	592L104	HPMP-3 THRM	592L104	1"	(1) 2C 18AWG	F1592-JCD830
61	HPMP-3 THRM	592L104	HPMP-3 THRM	592L104	1"	(2) 2C 18AWG	F1592-JCD830
62	GROUP CONTROLLER	592L104	ITC-1	592L104	3"	(4) 12C 14AWG, (5) 3C 22AWG, (2) 2C 18AWG	F1592-JCD830
62.1	62	592L105	CABLE TRAY	592L106	3"	(1) 7C 14AWG, (1) 5C 14AWG, (1) 4C 22AWG, (4) 12C 14AWG, (5) 3C 22AWG SLD, (2) 2C 18AWG	F1592-JCD830
63	ACR-07	592L105	62	592L105	1"	NO BMS PULLED	F1592-JCD830
64	ACR-05	592L105	ACR-07	592L105	1"	NO BMS PULLED	F1592-JCD830
64.1		592L104	ACR-05	592L105	1"	NO BMS PULLED	F1592-JCD830
65	65	592L105	66	592L105	1"	NO BMS PULLED, EMPTY	F1592-JCD830
65.1	ELEV PIT	592EL01	62	592L105	1"	NO BMS PULLED, EMPTY	F1592-JCD830
66	66	592L105	62	592L105	1"	(1) 7C 14AWG, (1) 5C 14AWG, (1) 4C 22AWG	F1592-JCD830
67	67	592L105	66	592L105	1/2"	(1) 7C 14AWG	F1592-JCD830
68	EFAN-02	592L105	66	592L105	1/2" FLEX	(1) 5C 14AWG	F1592-JCD830
69	HTR-07	592L105	66	592L105	1"	(2) 3C 22AWG, (1) 2C 18AWG	F1592-JCD830
70	THRM-04	592L105	HTR-07	592L105	1"	(2) 3C 22AWG SLD	F1592-JCD830
71	OCC-02	592L105	592-JBB-56	592L105	3/4"	(1) 4C 22AWG	F1592-JCD830
72	ACR-20	GARAGE	74	GARAGE	1"	(2) 2C 18AWG	F1592-JCP101
72.1	OCC-01	GARAGE	ACR-20	GARAGE	1"	(2) 2C 18AWG	F1592-JCP101
73.1	OCC-01 LASER REFLECT	GARAGE	74	GARAGE	1"	NO BMS PULLED	F1592-JCP101
74.1	74	592L202	DDC-01	GARAGE	3"	(2) 2C 18AWG	F1592-JCP100
74.2	74	592L202	9	GARAGE	3"	(3) 8C 16AWG SLD, (4) 5C 14AWG, (3) 7C 14AWG	F1592-JCP100
74.3	ACR-20	GARAGE	74	GARAGE	1"	(2) 2C 18AWG	F1592-JCP101
75.1	STAIR 2	592ST02	75	592L202	1"	NO BMS PULLED	F1592-JCD831
75.2	81	592L202	75	592L202	3/4"	(1) 7C 14AWG, (2) 16AWG	F1592-JCD831
75.4	75	592L202	74	GARAGE	3"	(3) 8C 16AWG, (4) 5C 14AWG, (3) 7C 14 AWG,	F1592-JCD831, F1592-JCP101
75.5	83	592L202	75	GARAGE	3"	(2) 8C 16AWG, (3) 5C 14AWG, (2) 7C 14 AWG,	F1592-JCD831
76	SFAN-03	592L202	75	592L202	3/4"	(2) 14AWG	F1592-JCD831
77	HTR-04	592L202	75	592L202	3/4"	(2) 16AWG	F1592-JCD831
78	THRM-09	592L202	75	592L202	3/4"	(4) 16AWG	F1592-JCD831
79	SFAN-03 CT	592L202	75	592L202	3/4"	(2) 14AWG	F1592-JCD831
80	MDPR-03	592L202	81	592L202	1/2"	(1) 7C 14AWG	F1592-JCD831

DDC CONDUIT SCHEDULE

CONDUIT	EQUIPMENT ORIGIN	ORIGIN LOCATION	EQUIP. DESTINATION	DEST. LOCATION	COND. SIZE	CONTENTS	DRAWING SHEET
82	SFAN-03	592L202	81	592L202	1/2"	(2) 16AWG	F1592-JCD831
83.2	91	592L202	83	GARAGE	3"	(1) 8C 16AWG, (2) 5C 14AWG, (1) 7C 14 AWG,	F1592-JCD831
83.3	88	592L302	83	592L302	3/4"	(1) 7C 14AWG, (2) 16AWG	F1592-JCD831
84	SFAN-04	592L302	83	592L302	3/4"	(2) 14AWG	F1592-JCD831
85	HTR-05	592L302	83	592L302	3/4"	(2) 16AWG	F1592-JCD831
86	THRM-10	592L302	83	592L302	3/4"	(4) 16AWG	F1592-JCD831
87	MDPR-04	592L302	88	592L302	1/2"	(1) 7C 14AWG	F1592-JCD831
89	SFAN-04	592L302	88	592L302	1/2"	(2) 16AWG	F1592-JCD831
90	91	592L302	83	592L302	3/4"	(2) 14AWG	F1592-JCD831
91.1	99	592L402	91	592L402	3/4"	(1) 7C 14AWG, (2) 16AWG	F1592-JCD831
92	SFAN-06	592L402	91	592L402	3/4"	(2) 14AWG	F1592-JCD831
93	HTR-06	592L402	91	592L402	3/4"	(2) 16AWG	F1592-JCD831
94	BDA-01	592L402	91	592L402	1/2"	(4) 14AWG	F1592-JCD831
95	THRM-13	592L402.	91	592L402	3/4"	(4) 16AWG	F1592-JCD831
96	MDPR-12	592L402.	97	592L402	1/2"	(1) 7C 14AWG	F1592-JCD831
98	SFAN-06	592L402	97	592L402	1/2"	(2) 16AWG	F1592-JCD831
99	99	592L402	91	592L402	3/4"	(2) 14AWG	F1592-JCD831
100.1	CAR-03	592L110	ITC-02	592L110	2"	(1) 2C 18AWG	F1592-JCD830
100.2	101	592L110	ITC-02	592L110	3/4"	(1) 3C 22AWG	F1592-JCD830
100.3	ITC-02	592L110	DC-04	592L305	2"	(1) 3C 22AWG SLD, (1) 2C 18AWG, (15) 2C 18AWG	F1592-JCD830
101.1	HPMP-5	592L110	101	592L110	3/4"	(1) 3C 22AWG SLD, (1) 2C 18AWG	F1592-JCD830
101.2	HPMP-5 THRM	592L110	101	592L110	3/4"	(1) 2C 18AWG	F1592-JCD830
105.2	DC-04	592L305	145	GARAGE	2"	NO BMS PULLED	F1592-JCD831, F1592-JCP201
105.3	DC-04	592L305	145	GARAGE	2"	NO BMS PULLED	F1592-JCD831, F1592-JCP201
105.4	DDC-02	592L305	145	GARAGE	2"	NO BMS PULLED	F1592-JCD831, F1592-JCP201
106.1	DDC-02	592L305	145	GARAGE	2"	(2) 3C 22AWG SLD, (6) 4C 16AWG, (1) 4C 16AWG SLD, (1) CAT 6	F1592-JCD831, F1592-JCP201
106.2	107	592L305	DDC-02	592L305	3/4"	(1) 4C 18AWG, (2) 3C 22AWG	F1592-JCD831
107.1	HPMP-07	592L305	107	592L305	3/4"	(2) 3C 22AWG, (1) 2C 18AWG	F1592-JCD831
109	THRM-11	592L305	HPMP-07 THRM	592L305	3/4"	NO BMS PULLED	F1592-JCD831
110.1	ACR-03	592L305	DDC-02	592L305	3/4"	NO BMS PULLED	F1592-JCD831
111.1	SP-01	592L305	DDC-02	592L305	1-1/4"	(1) 4C 18AWG	F1592-JCD831
112.1	ACR-15	592L305	DDC-02	592L305	1"	(1) 3C 22AWG	F1592-JCD831
114.1	MDPR-05	592L305	DDC-02	592L305	3/4"	(1) 2C 18AWG, (1) 4C 18AWG, (6) 2C 18AWG	F1592-JCD831
115.1	SFAN-05 PRESSURE	592L305	MDPR-05	592L305	1/2"	(1) 2C 18AWG	F1592-JCD831
116.1	SFAN-05	592L305	MDPR-05	592L305	3/4"	(1) 4C 18AWG	F1592-JCD831
117.1	BELL BOX	592ST03	117	592ST03	3/4"	(2) 2C 18AWG	F1592-JCD831
119.1	ACR-21	592ST03	BELL BOX	592ST03	1"	NO BMS PULLED	F1592-JCD831
119.2	OCG-02	592ST03	BELL BOX	592ST03	3/4"	(2) 2C 18AWG	F1592-JCD831
121	592L305	592L305	DC-04	592L305	3/4"	NO BMS PULLED	F1592-JCD831
122	592L305	592L305	DC-04	592L305	3/4"	NO BMS PULLED	F1592-JCD831
123	592L305	592L305	DC-04	592L305	3/4"	NO BMS PULLED	F1592-JCD831
124	592L305	592L305	DC-04	592L305	3/4"	NO BMS PULLED	F1592-JCD831
125	117	592ST03	DDC-02	592L305	1"	(2) 2C 18AWG	F1592-JCD831
127	CABLE TRAY	592L106	DDC-01	592L106	(3) 4"	(4) 12C 14 AWG, (11) 3C 22AWG SLD, (22) 2C 18AWG, (4) 7C 14AWG, (4) 5C 14AWG, (1) CAT6, (1) 2C 18AWG, (1) 4C 16AWG	F1592-JCP100
128	AMBER BEACON	592L106	CABLE TRAY	592L106	1"	(1) 2C 18AWG	F1592-JCD830
129	ACR-09	592L106	CABLE TRAY	592L106	1"	NO BMS PULLED	F1592-JCD830
130	AMBER BEACON	592L106	CABLE TRAY	592L106	1"	(1) 2C 18AWG	F1592-JCD830
131.1	MDPR-07	592L106	CABLE TRAY	592L106	1"	(1) 7C 14AWG, (2) 2C 18AWG	F1592-JCD830
131.2	EFAN-01	592L106	MDPR-07	592L106	3/4" FLEX	(2) 2C 18AWG	F1592-JCD830
133.1	MDPR-06	592L106	CABLE TRAY	592L106	1"	(1) 7C 14AWG	F1592-JCD830
134.1	UPS-02	592L106	CABLE TRAY	592L106	3/4"	(1) 2C 18AWG, (1) 4C 16AWG	F1592-JCP201
135	HGS-01	592L106	CABLE TRAY	592L106	1"	(1) 2C 18AWG, (1) 4C 16AWG	F1592-JCD830
136	UID-3	592L106	DDC-01	592L106	3/4"	(3) 2C 18AWG	F1592-JCD830
137.1	UID-4	592L106	DDC-01	592L106	3/4"	(6) 2C 18AWG	F1592-JCD830
138	145	GARAGE	CABLE TRAY	592L106	3"	(2) 3C 22AWG SLD, (2) CAT6, (1) 2C 16AWG, (9) 4C 16AWG, (1) 4C 18AWG SLD	F1592-JCP100,F1592-JCD830
139	145	GARAGE	CABLE TRAY	592L106	3"	NO BMS PULLED	F1592-JCP100,F1592-JCD830
140	ATS-01	SITE	DDC-01	592L106	1-1/2"	(1) 8C 16AWG SLD, (1) 2C 18 AWG	F1592-JCP100
141	ATS-01	SITE	DDC-01	592L106	1"	(4) 2C 18AWG	F1592-JCP100
142	SP2-03	GARAGE	DDC-01	592L106	1"	(1) 8C 16AWG	F1592-JCP100
143	THRM-05	592L106	HPMP-01 THRM	592L106	3/4"	(1) 4C 22AWG SLD	F1592-JCD830
144.1	HPMP-01 THRM	592L106	CABLE TRAY	592L106	3/4"	(1) 4C 22AWG SLD, (1) 2C 18AWG	F1592-JCD830
146.1	GEN-01 CONTROL CAB	SITE	ATS-01	SITE	1-1/2"	(1) 2C 18AWG, (1) 8C 16AWG	F1592-JCP100
146.2	GEN-01	SITE	GEN-01 CONTROL CAB	SITE	1-1/2" LTFMC	(1) 2C 18AWG, (1) 8C 16AWG	F1592-JCP100

RADIO CONDUIT SCHEDULE

COND. ID	ORIGIN	LOCATION	DESTINATION	LOCATION	SIZE	CONTENTS	DRAWING SHEET
592-RD-201	592-JBRD-01	GARAGE	DC-01	592L202	1-1/2"	RADIO CABLE	F1592-JCP101
592-RD-202	592-JBRD-02	GARAGE	592-JBRD-01	GARAGE	1-1/2"	RADIO CABLE	F1592-JCP101, F1592-JCP201
592-RD-203	592-JBRD-03	GARAGE	DC-01	592L202	1-1/2"	RADIO CABLE	F1592-JCP101
592-RD-204	592-JBRD-04	GARAGE	592-JBRD-03	GARAGE	1-1/2"	RADIO CABLE	F1592-JCP101
592-RD-205	592-JBRD-05	GARAGE	592-JBRD-04	GARAGE	1-1/2"	RADIO CABLE	F1592-JCP101
592-RD-206	592-JBRD-05	GARAGE	DC-01	592L202	1-1/2"	RADIO CABLE	F1592-JCP201
592-RD-207	592-JBRD-07	GARAGE	592-JBRD-06	GARAGE	1-1/2"	RADIO CABLE	F1592-JCP201, F1592-JCP301
592-RD-208	592-JBRD-09	GARAGE	DC-01	592L202	1-1/2"	RADIO CABLE	F1592-JCP201
592-RD-210	592-JBRD-10	GARAGE	DC-02	592L202	1-1/2"	RADIO CABLE	F1592-JCP201
592-RD-211	592-JBRD-11	GARAGE	592-JBRD-10	GARAGE	1-1/2"	RADIO CABLE	F1592-JCP301, F1592-JCP401
592-RD-212	592-JBRD-12	GARAGE	DC-02	592L302	1-1/2"	RADIO CABLE	F1592-JCP301
592-RD-213	592-JBRD-13	GARAGE	592-JBRD-12	GARAGE	1-1/2"	RADIO CABLE	F1592-JCP301
592-RD-214	592-JBRD-14	GARAGE	DC-05	592L402	1-1/2"	RADIO CABLE	F1592-JCP401
592-RD-216	592-JBRD-15	GARAGE	DC-05	592L402	1-1/2"	RADIO CABLE	F1592-JCP401
592-RD-216	592-JBRD-16	GARAGE	592-JBRD-15	GARAGE	1-1/2"	RADIO CABLE	F1592-JCP401

DESIGN RECORD DRAWING UPDATES ARE BASED ON CONTRACTOR'S REDLINES. THE ITEMS AS SHOWN HAVE NOT BEEN INDEPENDENTLY VERIFIED BY RUSHING.

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	VI	TT	TT	RECORD DRAWINGS

DESIGNED BY: D. NAUSNER
DRAWN BY: S. TUTHILL
CHECKED BY: T. THAYER
APPROVED BY: T. THAYER

RUSHING Engineering - Essentials - Delivery

HENSEL PHELPS Plan. Build. Manage.

kpff

LINE IS 1" AT FULL SCALE

SOUNDTRANSIT

SUBMITTED BY: SARA ROBERTS
DATE: 10/26/2022
REVIEWED BY: GREG SHIMIZU
DATE: 10/26/2022
SUBMITTAL DATE: 10/26/2022

SCALE: NTS
FILENAME: S317-F1592-E_v2020
CONTRACT No.: RTA/CN 0612-18

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
SYSTEMS
COMMUNICATIONS / BMS
CONDUIT SCHEDULE

DRAWING No.: F1592-JCS950
FACILITY ID: F1592
SHEET No: 587
REV: 0

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SECURITY AND ACCESS CONTROL CONDUIT SCHEDULE

CONDUIT ID	EQUIPMENT ORIGIN	ORIGIN LOCATION	EQUIPMENT DESTINATION	DESTINATION LOCATION	CONDUIT SIZE	CONTENTS	DRAWING SHEET
592-SC-102	CAM-86	GARAGE	592-JBSC-01	GARAGE	1"	(1) CAT6	F1592-JCP101
592-SC-103	CAM-87	GARAGE	592-JBSC-01	GARAGE	1"	(1) CAT6	F1592-JCP101
592-SC-104	592-JBSC-02	GARAGE	592-JBSC-01	GARAGE	1"	(3) CAT6	F1592-JCP101
592-SC-106	CAM-14	GARAGE	592-JBSC-02	GARAGE	1"	(1) CAT6	F1592-JCP101
592-SC-107	CAM-15	GARAGE	592-JBSC-02	GARAGE	1"	(1) CAT6	F1592-JCP101
592-SC-108	592-JBSC-01	GARAGE	74	GARAGE	1"	(6) CAT6	F1592-JCP101
592-SC-108	592-JBSC-33	GARAGE	592-JBSC-03	GARAGE	1"	(1) CAT6	F1592-JCP101
592-SC-111	CAM-07	GARAGE	CABLE TRAY	592L106	1"	(1) CAT6	F1592-JCP101
592-SC-112	592-JBSC-04	GARAGE	CABLE TRAY	592L106	1"	(5) CAT6	F1592-JCP101
592-SC-113	CAM-06	GARAGE	592-JBSC-06	GARAGE	1"	(1) CAT6	F1592-JCP101
592-SC-114	592-JBSC-06	GARAGE	592-JBSC-05	GARAGE	1"	(2) CAT6	F1592-JCP101
592-SC-115	CAM-08	GARAGE	592-JBSC-06	GARAGE	1"	(1) CAT6	F1592-JCP101
592-SC-116	592-JBSC-05	GARAGE	CABLE TRAY	592L106	1"	(3) CAT6	F1592-JCP101
592-SC-117	592-JBSC-23	GARAGE	CABLE TRAY	592L106	1-1/4"	(3) CAT6	F1592-JCP101
592-SC-118	CAM-02	GARAGE	CABLE TRAY	592L106	1"	(1) CAT6	F1592-JCP101
592-SC-119	CAM-25	GARAGE	592-JBSC-09	GARAGE	1"	(1) CAT6	F1592-JCP201
592-SC-120	CAM-09	GARAGE	592-JBSC-04	GARAGE	1"	(1) CAT6	F1592-JCP201
592-SC-121	CAM-89	GARAGE	592-JBSC-04	GARAGE	1"	(1) CAT6	F1592-JCP201
592-SC-122	CAM-88	GARAGE	592-JBSC-04	GARAGE	1"	(1) CAT6	F1592-JCP201
592-SC-123	592-JBSC-09	GARAGE	592-JBSC-38	GARAGE	1"	(1) CAT6	F1592-JCP201
592-SC-124	CAM-11	GARAGE	592-JBSC-04	GARAGE	1"	(1) CAT6	F1592-JCP201
592-SC-125	CAM-23	GARAGE	592-JBSC-07	GARAGE	1"	(1) CAT6	F1592-JCP101
592-SC-126	CAM-24	GARAGE	592-JBSC-07	GARAGE	1"	(1) CAT6	F1592-JCP201
592-SC-127	592-JBSC-07	GARAGE	DDC-01	GARAGE	1"	(1) CAT6	F1592-JCP201
592-SC-128	CAM-17	STAIR 3	DC-04	592L305	1"	(1) CAT6	F1592-JCP201
592-SC-130	CAM-20	GARAGE	DC-01	592L106	1"	(1) CAT6	F1592-JCP201
592-SC-131	CAM-21	GARAGE	592-JBSC-08	GARAGE	1"	(1) CAT6	F1592-JCP201
592-SC-133	CAM-01	GARAGE	DC-04	592L302	1"	(1) CAT6	F1592-JCP201
592-SC-134	DC-02	592L302	592-JBSC-35	GARAGE	1"	(2) CAT6	F1592-JCP301
592-SC-134	DC-02	592L302	592-JBSC-34	GARAGE	1"	(2) CAT6	F1592-JCP301
592-SC-135	CAM-39	GARAGE	592-JBSC-09	GARAGE	1"	(1) CAT6	F1592-JCP201
592-SC-136	592-JBSC-09	GARAGE	592-JBSC-	GARAGE	1"	(1) CAT6	F1592-JCP301
592-SC-137	592-JBSC-09	GARAGE	592-JBSC-	GARAGE	1"	(1) CAT6	F1592-JCP301
592-SC-138	592-JBSC-09	GARAGE	DC-01	592L302	1"	(4) CAT6	F1592-JCP201
592-SC-139	CAM-32	GARAGE	592-JBSC-	GARAGE	1"	(1) CAT6	F1592-JCP301
592-SC-142	PBX-	GARAGE	592-JBSC-	GARAGE	1"	(1) CAT6	F1592-JCP301
592-SC-143	592-JBSC-	GARAGE	592-JBSC-	GARAGE	1"	(2) CAT6	F1592-JCP301
592-SC-144	592-JBSC-10	GARAGE	CABLE TRAY	592L106	1"	(4) CAT6	F1592-JCP301
592-SC-146	CAM-47	GARAGE	592-JBSC-15	GARAGE	1"	(1) CAT6	F1592-JCP401
592-SC-147	CAM-37	GARAGE	592-JBSC-12	GARAGE	1"	(1) CAT6	F1592-JCP301
592-SC-148	592-JBSC-12	GARAGE	CR-02	GARAGE	1"	(3) CAT6	F1592-JCP301
592-SC-150	CAM-30	EAST ABUTMENT	DC-04	592L305	1"	(1) CAT6	F1592-JCP301
592-SC-155	592-JBSC-14	GARAGE	CABLE TRAY	592L106	1"	(3) CAT6	F1592-JCP401
592-SC-159	592-JBSC-15	GARAGE	CABLE TRAY	592L106	1"	(3) CAT6	F1592-JCP401
592-SC-164	592-JBSC-16	GARAGE	DC-05	592L402	1"	(4) CAT6	F1592-JCP401
592-SC-168	CAM-53	ROOF	592-JBSC-18	GARAGE	1"	(1) CAT6	F1592-JCP401, F1592-JCP501
592-SC-169	CAM-54	ROOF	592-JBSC-18	GARAGE	1"	(1) CAT6	F1592-JCP401, F1592-JCP501
592-SC-170	CAM-55	ROOF	592-JBSC-20	GARAGE	1"	(1) CAT6	F1592-JCP401, F1592-JCP501
592-SC-171	592-JBSC-19	GARAGE	592-JBSC-18	GARAGE	1"	(2) CAT6	F1592-JCP401
592-SC-172	592-JBSC-18	GARAGE	CABLE TRAY	592L106	1"	(3) CAT6	F1592-JCP401
592-SC-173	CAM-56	ROOF	592-JBSC-20	GARAGE	1"	(1) CAT6	F1592-JCP401, F1592-JCP501
592-SC-174	CAM-57	ROOF	592-JBSC-20	GARAGE	1"	(1) CAT6	F1592-JCP401, F1592-JCP501
592-SC-175	592-JBSC-20	GARAGE	DC-05	592L402	1"	(3) CAT6	F1592-JCP401
592-SC-176	CAM-59	STAIR 2	CABLE TRAY	592L106	1"	(1) CAT6	F1592-JCP401, F1592-JCP501
592-SC-177	CAM-60	STAIR 3	DC-04	592L305	1"	(1) CAT6	F1592-JCP201
592-SC-215	ACR-11	STAIR 1	CABLE TRAY	592L106	1"	(2) CAT6	F1592-JCP101
592-SC-216	CES-02	GARAGE	CABLE TRAY	592L106	1"	(1) CAT6	F1592-JCP100
592-SC-217	DID-13	STAIR 2	592-JBSC-22	STAIR 2	1"	(1) 2C 18AWG	F1592-JCP101
592-SC-218	ACR-10	STAIR 2	592-JBSC-22	STAIR 2	1"	(1) CAT6	F1592-JCP101
592-SC-219	592-JBSC-22	STAIR 2	74	STAIR 2	1"	(1) CAT6	F1592-JCP101
592-SC-222	FUTURE OWNER PROVIDED EQUIPMENT, PR 15.2.3	NORTHWEST ROLLUP DOOR	DC-01	592L202	2"	PULL STRING	F1592-JCP101
592-SC-223	FUTURE OWNER PROVIDED EQUIPMENT, PR 15.2.3	NORTHWEST ROLLUP DOOR	DC-01	592L202	2"	PULL STRING	F1592-JCP101
592-SC-224	FUTURE OWNER PROVIDED EQUIPMENT, PR 15.2.3	592ST02	592-JBSC-05	GARAGE	1"	(1) CAT6	F1592-JCP101
592-SC-225	FUTURE OWNER PROVIDED EQUIPMENT, PR 15.2.3	592ST02	592-JBSC-05	GARAGE	1"	(1) CAT6	F1592-JCP101
592-SC-228	FUTURE OWNER PROVIDED EQUIPMENT, PR 15.2.3	STAIR 1	CABLE TRAY	592L106	2"	PULL STRING	F1592-JCP101
592-SC-229	FUTURE OWNER PROVIDED EQUIPMENT, PR 15.2.3	STAIR 1	CABLE TRAY	592L106	2"	PULL STRING	F1592-JCP101
592-SC-230	FUTURE OWNER PROVIDED EQUIPMENT, PR 15.2.3	PEDESTRIAN BRIDGE	CABLE TRAY	592L106	2"	PULL STRING	F1592-JCP301
592-SC-231	FUTURE OWNER PROVIDED EQUIPMENT, PR 15.2.3	PEDESTRIAN BRIDGE	CABLE TRAY	592L106	2"	PULL STRING	F1592-JCP301
592-SC-232	LIGHTING POLE P15	PARKING LOT	LIGHTING POLE P17	PARKING LOT	1"	(2) CAT6	F1592-JSP001
592-SC-233	LIGHTING POLE P17	PARKING LOT	592-HH-01	PARKING LOT	1"	(4) CAT6	F1592-JSP001
592-SC-234	592-HH-01	PARKING LOT	LIGHTING POLE P19	PARKING LOT	1"	(4) CAT6	F1592-JSP001
592-SC-235	LIGHTING POLE P19	PARKING LOT	592-HH-02	PARKING LOT	1-1/4"	(6) CAT6	F1592-JSP001
592-SC-236	592-HH-02	PARKING LOT	LIGHTING POLE P22	PARKING LOT	1-1/4"	(6) CAT6	F1592-JSP001
592-SC-237	LIGHTING POLE P22	PARKING LOT	592-HH-05	PARKING LOT	1-1/4"	(8) CAT6	F1592-JSP001, F1592-JCP100
592-SC-238	592-HH-01	PARKING LOT	592-HH-02	PARKING LOT	1"	(3) 1C 10AWG	F1592-JSP001, F1592-JCP100
592-SC-239	592-HH-02	PARKING LOT	592-HH-05	PARKING LOT	1"	(6) 1C 10AWG	F1592-JSP001, F1592-JCP100
592-SC-240	LIGHTING POLE P4	PARKING LOT	592-HH-05	PARKING LOT	1"	(2) CAT6	F1592-JSP001, F1592-JCP100
592-SC-241	592-HH-05	PARKING LOT	NETWORK RACK	592L106	1"	(6) 1C 10AWG	F1592-JSP001, F1592-JCP100
592-SC-242	592-HH-05	PARKING LOT	CABLE TRAY	592L106	1-1/2"	(11) CAT6	F1592-JSP001, F1592-JCP100
592-SC-243	LIGHTING POLE P5	PARKING LOT	592-HH-05	PARKING LOT	1"	(1) CAT6	F1592-JSP001, F1592-JCP100
592-SC-244	RAIN WATER SENSOR	GARAGE	IRRIGATION CONTROLLER	PARKING LOT	1-1/2"	IRRIGATION SENSOR CABLE	F1592-JSP001, F1592-JCP100,F1592-JCP501
592-SC-245	CAM-02	STAIR 1	592-JBSC-22	STAIR 1	1"	(1) CAT6	F1592-JCP101
592-SC-265	CAM-05	592L111	592-JBSC-23	GARAGE	1"	(1) CAT6	F1592-JCP101
592-SC-272	CAM-67	GARAGE	DDC-01	GARAGE	1"	(1) CAT6	F1592-JCP101, F1592-JCP201
592-SC-273	CAM-69	GARAGE	DDC-01	GARAGE	1"	(1) CAT6	F1592-JCP301, F1592-JCP401
592-SC-274	CAM-68	GARAGE	DDC-01	GARAGE	1"	(1) CAT6	F1592-JCP201, F1592-JCP301
592-SC-287	LIGHTING POLE P2	PARKING LOT	DC-04	592L305	1"	(2) CAT6	F1592-JSP001
592-SC-289	592-JBSC-08	GARAGE	592-JBSC-05	GARAGE	1"	(1) CAT6	F1592-JCP101
592-SC-291	ROLL-UP DOOR	GARAGE	DC-04	592L305	1"	(1) 5C 14AWG, (1) CAT6	F1592-JCP101, F1592-JCP201
592-SC-293	CAM-83	GARAGE	592-JBSC-08	GARAGE	1"	(1) CAT6	
592-SC-294	CAM-84	GARAGE	592-JBSC-23	GARAGE	1"	(1) CAT6	F1592-JCP101
592-SC-295	CAM-85	592L110	DC-04	592L305	1"	(1) CAT6	F1592-JCP101, F1592-JCD830
592-SC-297	CES-03	GARAGE	592-JBSC-33	GARAGE	1"	(1) CAT6	F1592-JCP301
592-SC-298	CAM-16	GARAGE	592-JBSC-33	GARAGE	1"	(1) CAT6	F1592-JCP101
592-SC-301	CAM-28	GARAGE	592-JBSC-34	GARAGE	1"	(1) CAT6	F1592-JCP201
592-SC-302	CAM-38	GARAGE	592-JBSC-35	GARAGE	1"	(1) CAT6	F1592-JCP301

SECURITY AND ACCESS CONTROL CONDUIT SCHEDULE

CONDUIT ID	EQUIPMENT ORIGIN	ORIGIN LOCATION	EQUIPMENT DESTINATION	DESTINATION LOCATION	CONDUIT SIZE	CONTENTS	DRAWING SHEET
592-SC-304	CAM-48	GARAGE	592-JBSC-36	GARAGE	1"	(1) CAT6	F1592-JCP401
592-SC-305	CES-12	GARAGE	592-JBSC-36	GARAGE	1"	(1) CAT6	F1592-JCP401, F1592-JCP501

DESIGN RECORD DRAWING UPDATES ARE BASED ON CONTRACTOR'S REDLINES. THE ITEMS AS SHOWN HAVE NOT BEEN INDEPENDENTLY VERIFIED BY RUSHING.

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	VI	TT	TT	RECORD DRAWINGS

DESIGNED BY: D. NAUSNER
DRAWN BY: S. TUTHILL
CHECKED BY: T. THAYER
APPROVED BY: T. THAYER

RUSHING Engineering – Essentials – Delivery
HENSEL PHELPS Plan. Build. Manage.
kpff
LINE IS 1" AT FULL SCALE
SOUNDTRANSIT

SUBMITTED BY: SARA ROBERTS
DATE: 10/26/2022
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DATE: 10/26/2022
SCALE: NTS
FILENAME: S317-F1592-E_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
SYSTEMS
COMMUNICATIONS / BMS
CONDUIT SCHEDULE

DRAWING No.: F1592-JBS951
FACILITY ID: F1592
SHEET No: 588
REV: 0

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F1592 DDC I/O POINTS SCHEDULE

EQUIPMENT ID	ITEM DESCRIPTION	LOCATION	POINT TYPE & DESCRIPTION	PLC TAG	NOTES
ATS-01	AUTOMATIC TRANSFER SWITCH	PARKING LOT	DI: UTILITY FAIL DI: ON GENERATOR	ATS_01_UTILITY_FAIL_DI ATS_01_ON_GENERATOR_DI	
BDA-01	BIDIRECTIONAL AMPLIFIER 01	592L202	DI: BDA TROUBLE DI: BDA LOW BATTERY	BDA_01_TROUBLE_DI BDA_01_LOW_BATTERY_DI	
EFAN-01	EXHAUST FAN	592L106	DO: STARTS/STOP DI: RUNNING	EFAN-01_STARTS/STOP_DI EFAN-01_RUNNING_DI	
EFAN-02	EXHAUST FAN	592L105	DO: STARTS/STOP DI: RUNNING	EFAN-02_STARTS/STOP_DI EFAN-01_RUNNING_DI	
ITC-1	ELEVATORS 01&02 CONTROL PANEL	592L104	DI: ELEVATOR CONTROLLER WARNING DI: ELEVATOR PHASE 1 FIRE OPERATION DI: ELEVATOR PHASE 2 FIRE OPERATION DI: ELEVATOR SEISMIC OPERATION DI: ELEVATOR 1 STBY PWR OPERATION DI: ELEVATOR 1 INDEPENDENT SERVICE DI: ELEVATOR 1 DOOR CLOSED DI: ELEVATOR 1 AT POSITION 1 DI: ELEVATOR 1 AT POSITION 2 DI: ELEVATOR 1 PASS. ALARM PUSHBUTTON DI: SPARE INPUT DI: SPARE INPUT DO: ELEVATOR 1 REMOTE DISABLE DO: ELEVATOR 1 MAINTENANCE RECALL DO: SPARE OUTPUT DI: ELEVATOR 2 STDBY POWER OPERATION DI: ELEVATOR 2 INDEPENDENT SERVICE DI: ELEVATOR 2 DOOR CLOSED DI: ELEVATOR 2 AT POSITION 1 DI: ELEVATOR 2 AT POSITION 2 DI: ELEVATOR 2 PASS. ALARM PUSHBUTTON DO: ELEVATOR 2 REMOTE DISABLE DO: ELEVATOR 2 MAINTENANCE RECALL DO: ON GENERATOR	ITC_01_WARNING_DI ITC_01_PHASE1_DI ITC_01_PHASE2_DI ITC_01_SEISMIC_DI ITC_01_EL_1_STANDBY_DI ITC_01_EL_1_INDPNDNT_DI ITC_01_EL_01_EL_1_CLOSED_DI ITC_01_EL_01_EL_1_POS1_DI ITC_01_EL_01_EL_1_POS2_DI ITC_01_EL_01_EL_1_PASS_ALARM_DI ITC_01_EL_01_SPARE_01_DI ITC_01_EL_01_SPARE_02_DI ITC_01_EL_01_EL_1_DISABLE_DO ITC_01_EL_01_EL_1_RECALL_DO ITC_01_EL_01_SPARE_DO ITC_01_EL_2_STANDBY_DI ITC_01_EL_2_INDPNDNT_DI ITC_01_EL_01_EL_2_CLOSED_DI ITC_01_EL_01_EL_2_POS1_DI ITC_01_EL_01_EL_2_POS2_DI ITC_01_EL_01_EL_2_PASS_ALARM_DI ITC_01_EL_01_EL_2_DISABLE_DO ITC_01_EL_01_EL_2_RECALL_DO ITC_01_ON_GENERATOR_DO	
ITC-2	ELEVATOR 03 CONTROL PANEL	592L110	DI: ELEVATOR CONTROLLER WARNING DI: ELEVATOR 3 PHASE 1 FIRE OPERATION DI: ELEVATOR 3 PHASE 2 FIRE OPERATION DI: ELEVATOR SEISMIC OPERATION DI: ELEVATOR 3 STDBY POWER OPERATION DI: ELEVATOR 3 INDEPENDENT SERVICE DI: ELEVATOR 3 DOOR CLOSED DI: ELEVATOR 3 AT POSITION 1 DI: ELEVATOR 3 AT POSITION 2 DI: ELEVATOR 3 PASSENGER ALARM PUSHBUTTON DI: SPARE INPUT DI: SPARE INPUT DO: ELEVATOR 3 REMOTE DISABLE DO: ELEVATOR 3 MAINTENANCE RECALL DO: SPARE OUTPUT DO: ON GENERATOR	ITC_02_WARNING_DI ITC_02_PHASE1_DI ITC_02_PHASE2_DI ITC_02_SEISMIC_DI ITC_02_EL_3_STANDBY_DI ITC_02_EL_3_INDPNDNT_DI ITC_02_EL_02_EL_3_CLOSED_DI ITC_02_EL_02_EL_3_POS1_DI ITC_02_EL_02_EL_3_POS2_DI ITC_02_EL_02_EL_3_PASS_ALARM_DI ITC_02_EL_02_SPARE_01_DI ITC_02_EL_02_SPARE_02_DI ITC_02_EL_02_EL_3_DISABLE_DO ITC_02_EL_02_EL_3_RECALL_DO ITC_02_EL_02_SPARE_DO ITC-02_ON_GENERATOR_DO	
ERU-01	ENERGY RECOVERY UNIT	592L111	DI: HIGH FILTER PRESSURE (OA FILTER) DI:HIGH FILTER PRESSURE (RA FILTER) DO: START/STOP DI: RUNNING	ERU-01_HIGH_(OA FILTER)_DI ERU-01_HIGH_(RA FILTER)_DI ERU-01_START/STOP_DO ERU-01_RUNNING_DI	
FACP	FIRE ALARM CONTROL PANEL	592L103	DI: GARAGE BOH FIRE AUTOMATIC ALARM DI: GARAGE SUPERVISORY ALARM DI: ELEVATORS 1&2 ALARM DI: ELEVATOR 3 ALARM DI: ELECTRICAL ROOM SMOKE ALARM DI: FIRE RISER ROOM SMOKE ALARM DI: COMM ROOM SMOKE ALARM DI: FACP TROUBLE	FACP_01_BOH_ALARM_DI FACP_01_SUP_DI FACP_01_EL_01&2_SMOKE_DI FACP_01_EL_03_SMOKE_DI FACP_01_ELEC_RM_SMOKE_DI FACP_01_FR_RM_SMOKE_DI FACP_01_COMM_RM_SMOKE_DI FACP_01_TROUBLE_DI	
GENR-01	STANDBY GENERATOR	PARKING LOT	DI: GENERATOR RUNNING DI: FUEL TANK LEAK DI: GENERATOR IN AUTO DI: LOW FUEL DI: GENERATOR TROUBLE	GENR_02_RUNNING_DI GENR_02_FUEL_LEAK_DI GENR_02_AUTO_DI GENR_02_LOW_FUEL_DI GENR_02_TROUBLE_DI	
HBS-01	HYDROGEN GAS BEACON	592L106	DO: ENERGIZE	HBS-01_ENERGIZE_DO	
HGS-01	HYDROGEN SENSOR	592L106	DI: HIGH HIGH LEVEL YELLOW	HGS-01_HIGH_DI	
HTR-01	ELECTRIC HEATER	592L103	DO: ENERGIZE	HTR-01_ENERGIZE_DO	
HTR-02	ELECTRIC HEATER	592L108	DO: ENERGIZE	HTR-02_ENERGIZE_DO	
HTR-03	ELECTRIC HEATER	592L109	DO: ENERGIZE	HTR-03_ENERGIZE_DO	
HTR-04	ELECTRIC HEATER	592L202	DO: ENERGIZE	HTR-04_ENERGIZE_DO	
HTR-05	ELECTRIC HEATER	592L302	DO: ENERGIZE	HTR-05_ENERGIZE_DO	
HTR-06	ELECTRIC HEATER	592L402	DO: ENERGIZE	HTR-06_ENERGIZE_DO	
HTR-07	ELECTRIC HEATER	592L105	DO: ENERGIZE	HTR-07_ENERGIZE_DO	
LCP-01	LIGHTING CONTROL PANEL	592L102	DI: LIGHTS ON DI: LTG OVERRIDE BUTTON DO: REVENUE ON COMMAND DO: OVERRIDE ON COMMAND	LCP_01_STATUS_DI LCP_01_BUTTON_DI LCP_01_REVENUE_DO LCP_01_OVERRIDE_DO	

DESIGN RECORD DRAWING UPDATES ARE BASED ON CONTRACTOR'S REDLINES. THE ITEMS AS SHOWN HAVE NOT BEEN INDEPENDENTLY VERIFIED BY RUSHING.

FINAL AS-BUILT

No.	DATE	DSN	CHK	APP	REVISION
0	10/26/2022	VI	TT	TT	RECORD DRAWINGS

DESIGNED BY: D. NAUSNER
DRAWN BY: S. TUTHILL
CHECKED BY: T. THAYER
APPROVED BY: T. THAYER

RUSHING Engineering - Essentials - Delivery
HENSEL PHELPS Plan. Build. Manage.
kpff
LINE IS 1" AT FULL SCALE
SOUNDTRANSIT

SUBMITTED BY: SARA ROBERTS
DATE: 10/26/2022
REVIEWED BY: GREG SHIMIZU
DATE: 10/26/2022

SCALE: NTS
FILENAME: S317-F1592-E_v2020
CONTRACT No.: RTA/CN 0612-18
SUBMITTAL DATE: 10/26/2022

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
SYSTEMS
COMMUNICATIONS / BMS
POINTS SCHEDULE

DRAWING No.: F1592-JBS970
FACILITY ID: F1592
SHEET No.: 589
REV.: 0

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F1592 DDC I/O POINTS SCHEDULE (CONTINUED)

EQUIPMENT ID	ITEM DESCRIPTION	LOCATION	POINT TYPE & DESCRIPTION	PLC TAG	NOTES
MDPR-01	MOTORIZED DAMPER	592L109	DI: CLOSED DI: OPENED DO: OPEN	MDPR-01_CLOSED_DI MDPR-01_OPENED_DI MDPR-01_OPEN_DO	
MDPR-02	MOTORIZED DAMPER	592L109	DI: CLOSED DI: OPENED DO: OPEN	MDPR-02_CLOSED_DI MDPR-02_OPENED_DI MDPR-02_OPEN_DO	
MDPR-03	MOTORIZED DAMPER	592L202	DI: CLOSED DI: OPENED DO: OPEN	MDPR-03_CLOSED_DI MDPR-03_OPENED_DI MDPR-03_OPEN_DO	
MDPR-04	MOTORIZED DAMPER	592L302	DI: CLOSED DI: OPENED DO: OPEN	MDPR-04_CLOSED_DI MDPR-04_OPENED_DI MDPR-04_OPEN_DO	
MDPR-05	MOTORIZED DAMPER	592L305	DI: CLOSED DI: OPENED DO: OPEN	MDPR-05_CLOSED_DI MDPR-05_OPENED_DI MDPR-05_OPEN_DO	
MDPR-06	MOTORIZED DAMPER	592L106	DI: CLOSED DI: OPENED DO: OPEN	MDPR-06_CLOSED_DI MDPR-06_OPENED_DI MDPR-06_OPEN_DO	
MDPR-07	MOTORIZED DAMPER	592L106	DI: CLOSED DI: OPENED DO: OPEN	MDPR-07_CLOSED_DI MDPR-07_OPENED_DI MDPR-07_OPEN_DO	
MDPR-10	MOTORIZED DAMPER	592L105	DI: CLOSED DI: OPENED DO: OPEN	MDPR-10_CLOSED_DI MDPR-10_OPENED_DI MDPR-10_OPEN_DO	
MDPR-11	MOTORIZED DAMPER	592L105	DI: CLOSED DI: OPENED DO: OPEN	MDPR-11_CLOSED_DI MDPR-11_OPENED_DI MDPR-11_OPEN_DO	
MDPR-12	MOTORIZED DAMPER	592L402	DI: CLOSED DI: OPENED DO: OPEN	MDPR-12_CLOSED_DI MDPR-12_OPENED_DI MDPR-12_OPEN_DO	
OCC-01	OCCUPANCY SENSOR	592L111	DI: OCCUPIED	OCC_01_OCCUPIED_DI	
OCC-02	OCCUPANCY SENSOR	592L105	DI: OCCUPIED	OCC_02_OCCUPIED_DI	
OCG-01	OVERHEAD COILING GRILLE	N. VEHICLE ENTRANCE	DI: INTRUSION DO: UNLOCK GATE	OCG_01_INTRUSION_DI OCG_01_UNLOCK_DO	
OCG-02	OVERHEAD COILING GRILLE	E. ABUTMENT PED. ENTRANCE	DI: INTRUSION DO: UNLOCK GATE	OCG_02_INTRUSION_DI OCG_02_UNLOCK_DO	
OCG-03	OVERHEAD COILING GRILLE	S. VEHICLE ENTRANCE	DI: INTRUSION DO: UNLOCK GATE	OCG_03_INTRUSION_DI OCG_03_UNLOCK_DO	
OCG-04	OVERHEAD COILING GRILLE	E. PEDESTRIAN ENTRANCE	DI: INTRUSION DO: UNLOCK GATE	OCG_04_INTRUSION_DI OCG_04_UNLOCK_DO	
PMP-01	DOMESTIC WATER BOOSTER PUMP	592L103	DI: TROUBLE	PMP_01_TROUBLE_DI	
SFAN-01	SUPPLY FAN	592L109	DI: RUNNING AO: SPEED DI: ALARM (HIGH FILTER PRESSURE)	SFAN-01_RUNNING_DI SFAN-01_SPEED_AO SFAN-01_ALARM_DI	
SFAN-02	SUPPLY FAN	592L109	DI: RUNNING AO: SPEED DI: ALARM (HIGH FILTER PRESSURE)	SFAN-02_RUNNING_DI SFAN-02_SPEED_AO SFAN-02_ALARM_DI	
SFAN-03	SUPPLY FAN	592L202	DI: RUNNING AO: SPEED DI: ALARM (HIGH FILTER PRESSURE)	SFAN-03_RUNNING_DI SFAN-03_SPEED_AO SFAN-03_ALARM_DI	
SFAN-04	SUPPLY FAN	592L302	DI: RUNNING AO: SPEED DI: ALARM (HIGH FILTER PRESSURE)	SFAN-04_RUNNING_DI SFAN-04_SPEED_AO SFAN-04_ALARM_DI	
SFAN-05	SUPPLY FAN	592L305	DI: RUNNING AO: SPEED DI: ALARM (HIGH FILTER PRESSURE)	SFAN-05_RUNNING_DI SFAN-05_SPEED_AO SFAN-05_ALARM_DI	
SFAN-06	SUPPLY FAN	592L402	DI: RUNNING AO: SPEED DI: ALARM (HIGH FILTER PRESSURE)	SFAN-06_RUNNING_DI SFAN-06_SPEED_AO SFAN-06_ALARM_DI	
SP-01	ELEVATOR 03 SUMP PUMP	592EL03	DI: SUMP PUMP TROUBLE DI: ELEVATOR PIT HIGH WATER	SP_01_TROUBLE_DI SP_01_HIGHWATER_DI	
SP-02	GARAGE SUMP PUMP	GARAGE SUMP	DI: SUMP PUMP TROUBLE DI: HIGH WATER	SP_02_TROUBLE_DI SP_02_HIGHWATER_DI	
SP-03	GARAGE SUMP PUMP	GARAGE SUMP	DI: SUMP PUMP TROUBLE DI: HIGH WATER	SP_03_TROUBLE_DI SP_03_HIGHWATER_DI	
THRM-01	TEMPERATURE SENSOR	592L103	AI: TEMPERATURE	THRM-01_TEMPERATURE_AI	
THRM-02	TEMPERATURE SENSOR	592L102	AI: TEMPERATURE	THRM-02_TEMPERATURE_AI	
THRM-04	TEMPERATURE SENSOR	592L105	AI: TEMPERATURE	THRM-04_TEMPERATURE_AI	
THRM-05	TEMPERATURE SENSOR	592L106	AI: TEMPERATURE	THRM-05_TEMPERATURE_AI	
THRM-06	TEMPERATURE SENSOR	592L109	AI: TEMPERATURE	THRM-06_TEMPERATURE_AI	
THRM-07	TEMPERATURE SENSOR	592L108	AI: TEMPERATURE	THRM-07_TEMPERATURE_AI	
THRM-09	TEMPERATURE SENSOR	592L202	AI: TEMPERATURE	THRM-09_TEMPERATURE_AI	
THRM-10	TEMPERATURE SENSOR	592L302	AI: TEMPERATURE	THRM-10_TEMPERATURE_AI	
THRM-11	TEMPERATURE SENSOR	592L305	AI: TEMPERATURE	THRM-11_TEMPERATURE_AI	
THRM-13	TEMPERATURE SENSOR	592L402	AI: TEMPERATURE	THRM-13_TEMPERATURE_AI	
UPS-01	UNINTERRUPTIBLE POWER SUPPLY (LIGHTING INVERTER)	592L102	DI: UPS ACTIVE DI: UPS READY DI: UPS SUMMARY ALARM	UPS_01_ACTIVE_DI UPS_01_READY_DI UPS_01_ALARM_DI	
UPS-02	UNINTERRUPTIBLE POWER SUPPLY (COMM UPS)	592L106	DI: UPS ACTIVE DI: UPS READY DI: UPS SUMMARY ALARM	UPS_02_ACTIVE_DI UPS_02_READY_DI UPS_02_ALARM_DI	

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FINAL AS-BUILT

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0	10/26/2022	VI	TT	TT	RECORD DRAWINGS

DESIGNED BY: D. NAUSNER
DRAWN BY: S. TUTHILL
CHECKED BY: T. THAYER
APPROVED BY: T. THAYER

RUSHING Engineering - Essentials - Delivery
SUBMITTED BY: SARA ROBERTS

HENSEL PHELPS Plan. Build. Manage.
kpff
DATE: 10/26/2022

REVIEWED BY: GREG SHIMIZU
DATE: 10/26/2022

LINE IS 1" AT FULL SCALE

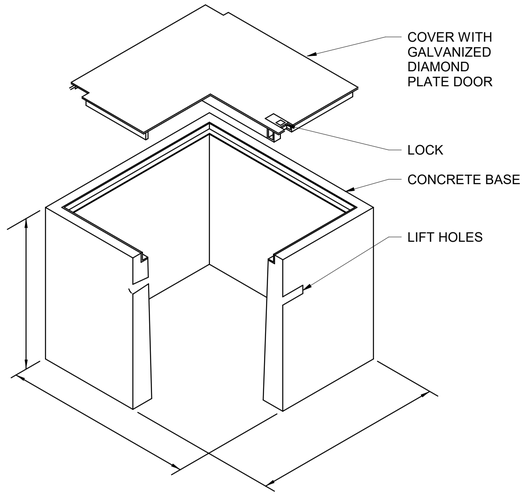
SOUNDTRANSIT
SUBMITTAL DATE: 10/26/2022

SCALE: NTS
FILENAME: S317-F1592-E_v2020
CONTRACT No.: RTA/CN 0612-18

PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
SYSTEMS
COMMUNICATIONS / BMS
POINTS SCHEDULE

DRAWING No.: F1592-JBS971
FACILITY ID: F1592
SHEET No: 590
REV: 0

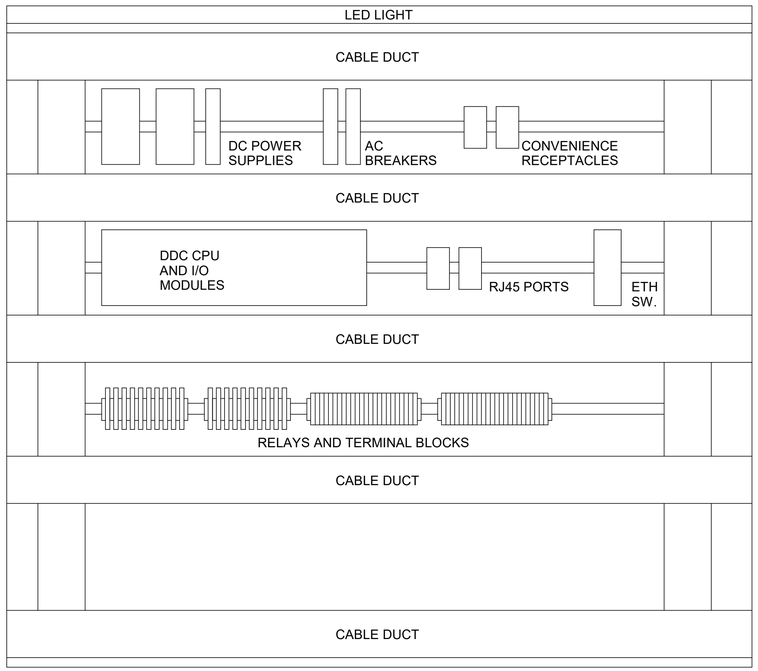
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DIMENSIONS AS NOTED ON PLANS

SYSTEMS VAULT ISOMETRIC DETAIL 1

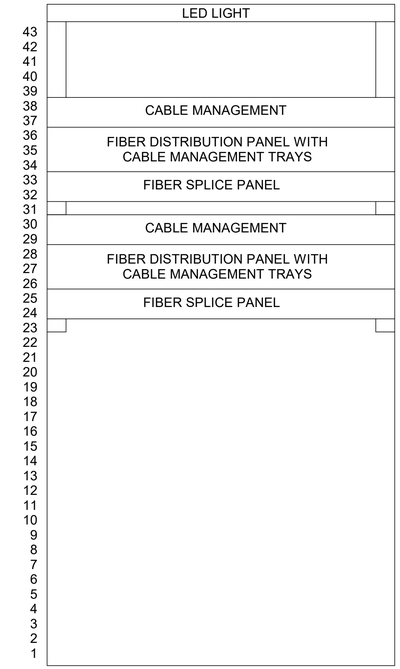
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DDC CABINET, 72" x 72" x 36"

DDC CABINET ELEVATION 5

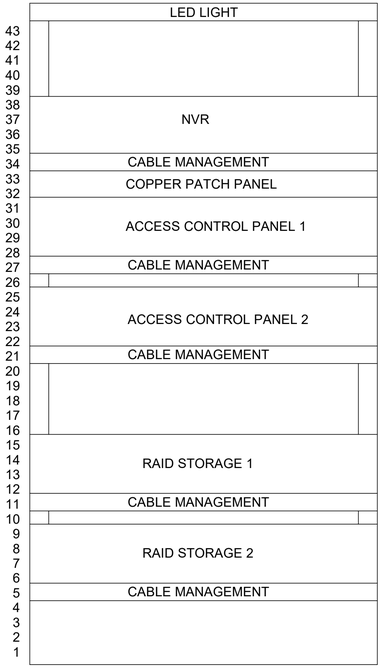
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43 RU CABINET FOR RACK-MOUNTED EQUIPMENT

CR-01 FIBER RACK ELEVATION 2

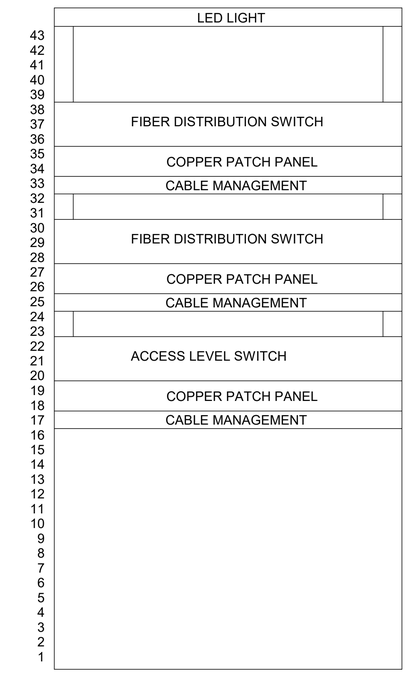
SCALE: NTS



43 RU CABINET FOR RACK-MOUNTED EQUIPMENT

CR-02 CCTV/ACCESS CONTROL RACK ELEVATION 3

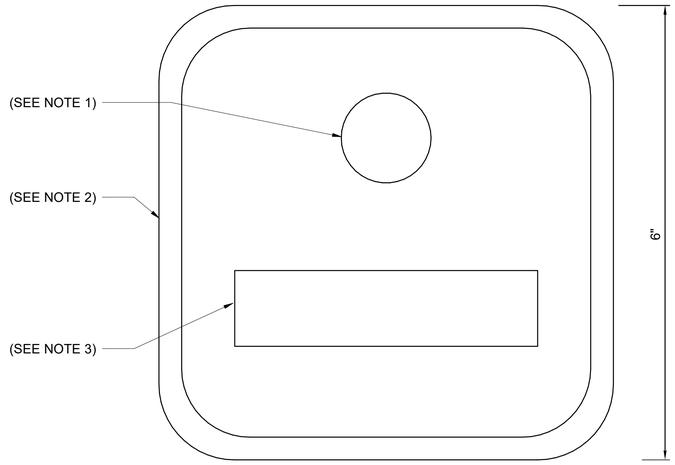
SCALE: NTS



43 RU CABINET FOR RACK-MOUNTED EQUIPMENT

CR-03 NETWORK RACK ELEVATION 4

SCALE: NTS



NOTES:

1. GREEN 30MM BUTTON
2. CAST STEEL BOX
3. ENGRAVED PLACARD READING:

LIGHTING OVERRIDE:

ALL LIGHTS WILL TURN ON FOR 15 MINUTES, THEN RETURN TO NORMAL OPERATION.

LIGHTING OVERRIDE BUTTON 6

SCALE: NTS

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SCALE: NTS
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PUYALLUP STATION PARKING
CONTRACT RTA/CN 0612-18
PUYALLUP STATION PARKING AND ACCESS IMPROVEMENTS
SYSTEMS
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DETAILS

DRAWING No.: F1592-JCD900
FACILITY ID: F1592
SHEET No.: 591
REV: 0

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