PIONEER PARK RESTROOMS UPGRADE

The applicant shall request a sediment control and erosion inspection with a City Engineering Inspector through the CityView portal least 48 hours in advance of job start.

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DETAILS

DETAILS

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DEMO & TESC PLAN

PAVING, GRADING, & UTILITY PLAN

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DEMO PERSPECTIVE

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EXTERIOR ELEVATIONS - COLOR



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MECHANICAL

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TYPICAL WOOD FRAMING DETAILS

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ELECTRICAL LEGEND

SITE PLAN - ELECTRICAL

FLOOR PLAN - LIGHTING FLOOR PLAN - ELECTRICAL

 \cdots

FULL SIZED LEDGIBLE COLOR PLANS ARE

FLOOR PLAN DEMO - ELECTRICAL



119 MAIN ST, STE #200 SEATTLE, WA 98104-2579 (206) 322-3322





BID SET

ISSUE DATE: DECEMBER 15, 2022 REVISION DATE OCT. 7, 2022 | PERMIT REVISIONS #1 CONTENTS:

PROJECT INFO

CHECKED: 2021016.000



SPRINKLER: N (EXEMPT) **EXISTING LAVATORIES: 2** PROPOSED LAVATORIES: 8 EXISTING WATER CLOSET/ URINAL: 4 PROPOSED WATER CLOSET/ URINAL: 13

GOVERNING CODES

PUYALLUP MUNICIPAL CODE 2018 INTERNATIONAL BUILDING CODE W/ WA STATE AMENDMENTS 2018 INTERNATIONAL EXISTING BUILDING CODE W/ WA STATE AMENDMENTS ICC/ ANSI 117.1 - 2009 ACCESSIBILITY CODE 2018 WA STATE ENERGY CODE

2018 INTERNATIONAL MECHANICAL CODE 2018 UNIFORM PLUMBING CODE 2016 NFPA STANDARD 72 2016 NFPA STANDARD 13, 13-D, 13-R

2018 IBC WITH WASHINGTON STATE AMENDMENTS

PROPOSED CLASSIFICATION GROUPS:

SPRINKLERED BUILDING: N

HEIGHT PROPOSED: 14'

TABLE 506.2 - ALLOWABLE AREA FACTOR

SPRINKLERED BUILDING: N

PROPOSED AREA: 1,200 SF

TYPE OF CONSTRUCTION: VB

OCCUPANCY CLASSIFICATION: U

ALLOWABLE AREA FACTOR: 5,500 SF

TYPE OF CONSTRUCTION: VB

CHAPTER 3 - OCCUPANCY CLASSIFICATION AND USE

CHAPTER 5 - GENERAL BUILDING HEIGHTS AND AREAS

OCCUPANCY CLASSIFICATION(S): U

MAXIMUM HEIGHT ALLOWABLE: 40 '

U UTILITY AND MISCELLANEOUS GROUP U (SECTION 312)

TABLE 504.3 - ALLOWABLE BUILDING HEIGHT IN FEET ABOVE GRADE PLANE

TABLE 504.4 ALLOWABLE NUMBER OF STORIES ABOVE GRADE PLANE

THE APPROVED CONSTRUCTION 2018 INTERNATIONAL FIRE CODE PLANS AND ALL ENGINEERING **DOCUMENTS MUST BE POSTED**

ON THE JOB AT ALL INSPECTIONS IN A VISIBLE AND READILY ACCESSIBLE LOCATION.

REQUIRED TO BE PROVIDE BY THE ' PERMITTEE ON SITE FOR ALL INSPECTIONS MIN. PLAN SIZE 24 X 36

SPACES FREQUENTED ONLY BY PERSONNEL FOR MAINTENANCE, REPAIR OR MONITORING OF EQUIPMENT ARE NOT REQUIRED TO BE ACCESSIBLE. SUCH SPACES INCLUDE, BUT ARE NOT LIMITED TO, ELEVATOR PITS, ELEVATOR PENTHOUSES, MECHANICAL, ELECTRICAL OR

ZONING CLASSIFICATION & PROPOSED USES ZONE: PF PUBLIC FACILITIES ZONE (20.44.000) 20.44.020 PROPERTY DEVELOPMENT STANDARDS - PF ZONE MINIMUM LOT SIZE: NONE MINIMUM LOT WIDTH: NONE

MINIMUM FRONT YARD SETBACK: 20 FEET MIN, 331 FEET PROVIDED MINIMUM REAR YARD SETBACK: 20 FEET, 15 FEET PROVIDED MINIMUM SIDE YARD SETBACK: 20 FEET, 116 & 120 FEET PROVIDED

PARCEL TYPE: BASE PARCEL USE CODE: 6700 TAX AREA CODE: 096

LAND USE DESCRIPTION: GOVERNMENTAL SERVICES

WASHINGTON STATE ENERGY CODE (2018) ANALYSIS C402 – BUILDING ENEVELOPE REQUIREMENTS

C402.1 GENERAL. BUILDING THERMAL ENVELOPE ASSEMBLIES FOR BUILDINGS THAT ARE INTENDED TO COMPLY WITH THE CODE ON A PRESCRIPTIVE BASIS, IN ACCORDANCE WITH THE COMPLIANCE PATH DESCRIBED IN ITEM 1 OF SECTION C401.2, SHALL COMPLY WITH THE 1. THE OPAQUE PORTIONS OF THE BUILDING THERMAL ENVELOPE SHALL COMPLY WITH THE SPECIFIC INSULATION REQUIREMENTS OF SECTION C402.2 AND THE THERMAL REQUIREMENTS OF EITHER THE R-VALUE BASED METHOD OF SECTION C402.1.3, THE U-, C- AND F-FACTOR BASED METHOD OF SECTION C402.1.4, OR THE COMPONENT PERFORMANCE ALTERNATIVE OF SECTION C402.1.5.

B. WALLS, ABOVE GRADE (WOOD FRAMED AND OTHER – R-18+10CI STD PROVIDED (R-15+5CI STD REQUIRED) C. WALLS, BELOW GRADE - N/A

ALTERNATIVE OF SECTION C402.1.5. A. FIXED U-FACTOR – U.0.38 PROVIDED (U-0.38 REQUIRED)

B. ENTRANCE DOORS - N/A C. SKYLIGHTS U-FACTOR – U-0.50 PROVIDED (U-0.50 REQUIRED)

C.Y.

4	ANGLE	D.F.	DRINKING FOUNTAIN	F.O.F.	FACE OF FOUNDATION	L.F.	LINEAL FEET	PTD.	PAINTED
Q.	CENTER LINE	D.H.	DOUBLE HUNG	F.O.I.C.	FURNISHED BY OWNER /	LT.WT.	LIGHT WEIGHT	PTN.	PARITION
#	NUMBER	DIM.	DIMENSION		INSTALLED BY CONTRACTOR			P.V.C.	POLYVINYL CHLORIDE PIPE
P <u>.</u>	PROPERTY LINE	DISP.	DISPENSER	F.O.I.O	FURNISHED BY OWNER/	MAS.	MASONRY		
		DIV.	DIVISION		INSTALLED BY OWNER	M.B.	MACHINE BOLT	Q.T.	QUARRY TILE
A.B.	ANCHOR BOLT	DN.	DOWN	F.O.M	FACE OF MASONRY	M.B.	MARKER BOARD		
A/C	AIR CONDITIONING	DR.	DOOR	F.O.S.	FACE OF STUD OR STRUCTURE	M.D.F.	MEDIUM DENSITY FIBERBOARD	R.	RADIUS, RISER
A.C.T.	ACOUSTICAL TILE CEILING	D.S.	DOWN SPOUT	F.P.	FIRE PROOF	M.D.O.	MEDIUM DENSITY OVERLAY	REF.	REFER(ENCE)
ADJ.	ADJACENT	DWG.	DRAWING			M.D.X.	MEDIUM DENSITY EXTERIOR OVERLAY	REFR.	REFRIGERATOR
A.F.F.	ABOVE FINISH FLOOR			GA.	GUAGE	MECH.	MECHANICAL	REINF.	REINFORCED
ALT.	ALTERNATE	Е	EAST (COORDINATE)	GALV.	GALVANIZED	MEMB.	MEMBRANE	SESIL.	RESILIENT
ARCH.	ARCHITECT(URAL)	EA.	EACH	G.C.	GENERAL CONTRACTOR	MFG.	MANUFACTURING	REV.	REVISION, REVISED
AVG.	AVERAGE	E.B.	EXPANSION BOLT	GLULAM	GLUE LAMINATED	MFR.	MANUFACTURER	R.O.	ROUGH OPENING
A.W.P.	ACOUSTICAL WALL PANEL	E.J.	EXPANSION JOINT	GND.	GROUND	MIN.	MINIMUM	RWL	RAIN WATER LEADER
		ELEC.	ELECTRICAL	GR.	GRADE	MIR.	MIRROR		
BD.	BOARD	ELEV.	ELEVATION	G.W.B.	GYPSUM WALLBOARD	M.O.	MASONRY OPENING	S.	SOUTH
BLK'G.	BLOCKING	ENCL.	ENCLOSURE			MTL.	METAL	SAM	SELF-ADHERED MEMBRANE
BOT.	BOTTOM	EQ.	EQUAL	H.B.	HOSE BIB			S.C.	SOLID CORE
		EQUIP.	EQUIPMENT	H.C.	HOLLOW CORE	N.	NORTH	S.C.D.	SEAT COVER DISPENSER
CAB.	CABINET	E.W.C.	ELECTRIC WATER COOLER	HDBD.	HARDBOARD	N.I.C.	NOT IN CONTRACT	S.D.	SOAP DISPENSER, STORM D
C.B.	CATCH BASIN	EXT.	EXTERIOR	HDR.	HEADER	NOM.	NOMINAL	S.F.	SQUARE FEET
C.F.	CUBIC FEET			HDWR.	HARDWARE	N.T.S.	NOT TO SCALE	SHT.	SHEET
C.J.	CONTROL JOINT	F.A.	FIRE ALARM	HDWD.	HARDWOOD			SHWR.	SHOWER
CLG.	CEILING	F.C.O.	FLOOR CLEANOUT	H.M.	HOLLOW METAL	O.C.	ON CENTER	SIM.	SIMILAR
CLR.	CLEAR(ANCE)	F.D.	FLOOR DRAIN	H.V.A.C	HEATING / VENTILATION /	O.H.	OPPOSITE HAND	S.N.D.	SANITARY NAPKIN DISPENS
C.M.U.	CONCRETE MASONRY UNIT	F.E.	FIRE EXTINGUISHER		AIR CONDITIONING	OPN'G.	OPENING	S.N.R.	SANITARY NAPKIN RECEPAC
C.O.	CLEAN OUT	F.E.C.	FIRE EXTINGUISHER CABINET			OPP.	OPPOSITE	S.S.	STAINLESS STEEL
COL.	COLUMN	F.F.	FINISH FLOOR	I.D.	INSIDE DIAMETER (DIM.)			STL.	STEEL
CONC.	CONCRETE	F.F.E.	FINISH FLOOR ELEVATION	INSUL	INSULATED / INSULATION	PERF.	PERFORATED	STA.	STATION
CONT.	CONTINUOUS	F.S.	FROM SLAB	INT.	INTERIOR	P.L.	PROPERTY LINE	S.T.C	SOUND TRANSMISSION CLA
COORD.	COORDINATE	F.H.	FIRE HYDRANT		-	P-LAM.	PLASTIC LAMINATE	ST.S.	STANDING SEAM
CPT.	CARPET	FIN.	FINISH	JT.	JOINT	PR.	PAIR	SUB.	SUBSTITUTE
0	0.00	=	EQUIDATION.				DIVIT DON'T	002.	

RESTROOMS

GENERAL NOTES

1. THE CONTRACT DOCUMENTS ARE COMPRISED OF THE DRAWINGS, SPECIFICATIONS, PROJECT MANUAL AND ADDENDA (IF ANY). THE CONTRACT DOCUMENTS ARE CONSIDERED INCOMPLETE UNLESS ALL ELEMENTS LISTED ARE PRESENT.

2. ALL WORK SHALL COMPLY WITH APPLICABLE CODES AND ORDINANCES. IN THE CASE OF A CONFLICT BETWEEN ANY ASPECT OF THE CONTRACT DOCUMENTS AND ANOTHER, CONTACT THE ARCHITECT

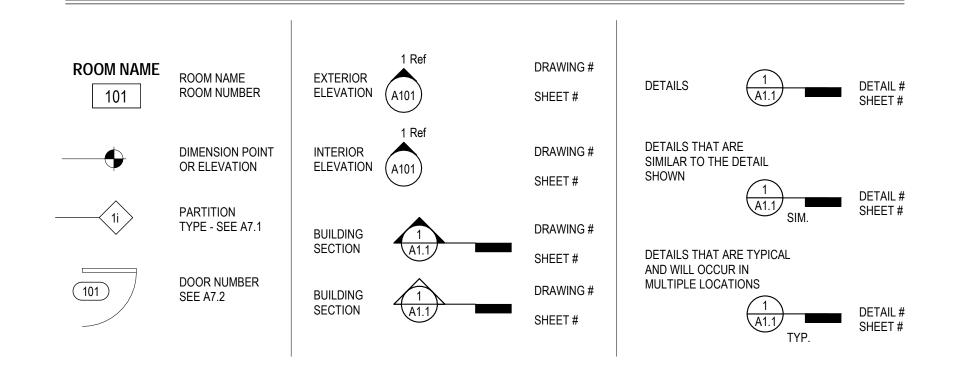
3. DO NOT SCALE DRAWINGS

4. PERFORM EXCAVATION & FOUNDATION WORK IN CONFORMANCE WITH THE SOILS REPORT AND CONSTRUCTION DOCUMENTS

5. DRAWINGS INDICATE GENERAL & TYPICAL DETAILS OF CONSTRUCTION. WHERE CONDITIONS ARE NOT SPECIFICALLY INDICATED BUT ARE OF SIMILAR CHARACTER, TYPICAL DETAILS SHALL APPLY.



LEGEND



OWNER:
CITY OF PUYALLUP 333 SOUTH MERIDIAN PUYALLUP, WA 98371
CONTACT: SARAH HARRIS

EMAIL: SARAH@PUYALLUP.GOV PHONE: 253-841-5516 CONTACT: DREW YOUNG, P.E. EMAIL: DYOUNG@PUYALLUPWA.GOV PHONE: 253-435-3641

STRUCTURAL ENGINEER KPFF CONSULTING ENGINEERS 1601 FIFTH AVE, SUITE 1600 SEATTLE, WA 98101

ELECTRICAL ENGINEER:

CONTACT: JEFF CREAGAN EMAIL: JEFF.CREAGAN@KPFF.COM PHONE: 206-926-0455

TFWB ENGINEERS 1200 WESTLAKE AVE NORTH, SUITE 509 SEATTLE WA, 98109 CONTACT: KEVIN WARTELLE EMAIL: KEVIN@TF-WB.COM PHONE: 206-413-5022

COST ESTIMATE: DCW COST MANAGEMENT 500 YALE AVE NORTH, SUITE 100 SEATTLE, WA 98109 CONTACT: BRITTANY GELLERI

EMAIL: BRITTANY@DCWCOST.COM

PHONE: 206-259-2997

PHONE: 206-322-3322 CONTACT: JEFF WANDASIEWICZ, PRINCIPAL EMAIL: WANDASIEWICZ@ARCARCHITECTS.COM CONTACT: ALLIE PARK, DESIGNER EMAIL: PARK@ARCARCHITECTS.COM CIVIL: 615 2ND AVE SEATTLE, WA 98104 CONTACT: MARK DAVIES EMAIL: MDAVIES@MIGCOM.COM PHONE: 206-223-0326 **MECHANICAL ENGINEER:**

ARCHITECT:

ARC ARCHITECTS, INC.

SEATLE, WA 98104

119 S MAIN ST. SUITE 200

NOTKIN P2S ENGINEERING 920 5TH AVE, SUITE 2300 SEATTLE, WA 98104 **CONTACT: PETER EBERLE** EMAIL: PETER.EBERLE@P2SINC.COM PHONE: 206-267-6940

City of Puyallup Development & Permitting Services ISSUED PERMIT			
Building	Planning		
Engineering	Public Works		
Fire OF W	SHITraffic		

CHAPTER 11 - ACCESSIBILITY SECTION 1103.2.9 - EQUIPMENT SPACES:

COMMUNICATIONS EQUIPMENT ROOM.

PUYALLUP MUNICIPAL CODE ANALYSIS

MINIMUM LOT DEPTH: NONE

CHAPTER 6 - TYPES OF CONSTRUCTION SECTION 602.5 TYPE V - PROPOSED CONSTRUCTION VB TABLE 601 - FIRE-RESISTANCE RATING REQUIREMENTS FOR BUILDING ELEMENTS (HOURS) FOR TYPE VB:

PRIMARY STRUCTURAL FRAME: BEARING WALLS: NONBEARING WALLS, EXTERIOR: 0HR NONBEARING WALLS, INTERIOR: FLOOR CONSTURCTION: 0HR ROOF CONSTRUCTION: 0HR

X > 30'-0" FOR ALL BUILDINGS/ALL OCCUPANCIES ON SITE: REQUIRED RATING=0 CHAPTER 7 - FIRE AND SMOKE PROTECTION FEATURES SECTION 705.8 - MAXIMUM AREA OF EXTERIOR WALL OPENINGS BASED ON FIRE SEPARATION DISTANCE AND DEGREE OF OPENING PROTECTION. FIRE SEPARATION DISTANCE > 30' TYP; THEREFORE NO LIMIT ON OPENING AREA IN UNPROTECTED,

NON-SRINKLERED **CHAPTER 8 - INTERIOR FINISHES** TABLE 803.11 / INTERIOR WALL AND CEILING FINISH REQUIREMENTS BY OCCUPANCY

GROÚP U, NON-SPRINKLERED, ROOMS AND ENCLOSED SPACES: NO RESTRICTIONS

CHAPTER 9 - FIRE PROTECTION AND LIFE SAFETY SYSTEMS 903.2.11 SPECIFIC BUILDING AREAS AND HAZARDS. - IN ALL OCCUPANCIES OTHER THAN GROUP U, AN AUTOMATIC SPRINKLER SYSTEM SHALL BE INSTALLED FOR BUILDING DESIGN OR HAZARDS IN THE LOCATIONS

ROOM PROPOSED AS EQUIPMENT SPACES: CHASE 05

BUILDING/PLUMBING/MECHANICAL PERMIT 2018 CODES

DLeahy

01/12/2023

2:53:13 PM

City of Puyallup REVIEWED COMPLIANCE

PARCEL NUMBER: 5745001680

ZONING ORDINANCE: 2813 ZONING ORDINANCE DESCRIPTION: REDZONE

TABLE 602 - FIRE-RESISTANCE RATING REQUIREMENTS FOR EXTERIOR WALLS BASED ON FIRE SEPARATION

A. ROOFS (INSULATION ENTIRELY ABOVE DECK)— R-38CI PROVIDED (R-38CI REQUIRED)

D. SLAB-ON-GRADE FLOORS (UNHEATED SLABS) – R-10 FOR 24" BELOW PROVIDED (R-10 FOR 24" BELOW REQUIRED) E. OPAQUE DOORS – R-4.75 PROVIDED (R-4.75 REQUIRED) 2. FENESTRATION IN THE BUILDING ENVELOPE ASSEMBLIES SHALL COMPLY WITH SECTION C402.4, OR THE COMPONENT PERFORMANCE

D. MAXIMUM AREA (VERTICAL FENESTRATION) – 30% OF TOTAL BUILDING GROSS ABOVE-GRADE WALL AREA MAX E. MAXIMUM AREA (HORÍZONTAL FENESTRATION) – 5% SKYLIGHT TO ROOF AREA MAX (3.63% 52SF/1,434SF) 3. AIR LEAKAGE OF BUILDING ENVELOPE ASSEMBLIES SHALL COMPLY WITH SECTION C402.5. - PROVIDED

ABBREVIATIONS

ANGLE	D.F.	DRINKING FOUNTAIN	F.O.F.	FACE OF FOUNDATION	L.F.	LINEAL FEET	PTD.	PAINTED	SV	SHEET VINYL
CENTER LINE	D.H.	DOUBLE HUNG	F.O.I.C.	FURNISHED BY OWNER /	LT.WT.	LIGHT WEIGHT	PTN.	PARITION	SYM.	SYMMETRICAL
NUMBER	DIM.	DIMENSION		INSTALLED BY CONTRACTOR			P.V.C.	POLYVINYL CHLORIDE PIPE	SYS.	STYSTEM
PROPERTY LINE	DISP.	DISPENSER	F.O.I.O	FURNISHED BY OWNER/	MAS.	MASONRY				
	DIV.	DIVISION		INSTALLED BY OWNER	M.B.	MACHINE BOLT	Q.T.	QUARRY TILE	T.	TREAD
ANCHOR BOLT	DN.	DOWN	F.O.M	FACE OF MASONRY	M.B.	MARKER BOARD			TB	TACK BOARD
AIR CONDITIONING	DR.	DOOR	F.O.S.	FACE OF STUD OR STRUCTURE	M.D.F.	MEDIUM DENSITY FIBERBOARD	R.	RADIUS, RISER	T.O.C.	TOP OF CURB
ACOUSTICAL TILE CEILING	D.S.	DOWN SPOUT	F.P.	FIRE PROOF	M.D.O.	MEDIUM DENSITY OVERLAY	REF.	REFER(ENCE)	TEL.	TELEPHONE
ADJACENT	DWG.	DRAWING			M.D.X.	MEDIUM DENSITY EXTERIOR OVERLAY	REFR.	REFRIGERATOR	TER	TERRAZZO
ABOVE FINISH FLOOR			GA.	GUAGE	MECH.	MECHANICAL	REINF.	REINFORCED	T.O.P.	TOP OF PLATE OR PAVEMENT
ALTERNATE	Ε	EAST (COORDINATE)	GALV.	GALVANIZED	MEMB.	MEMBRANE	SESIL.	RESILIENT	T.P.D.	TOILET PAPER DISPENSER
ARCHITECT(URAL)	EA.	EACH	G.C.	GENERAL CONTRACTOR	MFG.	MANUFACTURING	REV.	REVISION, REVISED	T.O.W.	TOP OF WALL
AVERAGE	E.B.	EXPANSION BOLT	GLULAM	GLUE LAMINATED	MFR.	MANUFACTURER	R.O.	ROUGH OPENING	TYP.	TYPICAL
ACOUSTICAL WALL PANEL	E.J.	EXPANSION JOINT	GND.	GROUND	MIN.	MINIMUM	RWL	RAIN WATER LEADER		
	ELEC.	ELECTRICAL	GR.	GRADE	MIR.	MIRROR			UNF.	UNFINISHED
BOARD	ELEV.	ELEVATION	G.W.B.	GYPSUM WALLBOARD	M.O.	MASONRY OPENING	S.	SOUTH	U.O.N.	UNLESS OTHERWISE NOTED
BLOCKING	ENCL.	ENCLOSURE			MTL.	METAL	SAM	SELF-ADHERED MEMBRANE		
BOTTOM	EQ.	EQUAL	H.B.	HOSE BIB			S.C.	SOLID CORE	V.	VENT
	EQUIP.	EQUIPMENT	H.C.	HOLLOW CORE	N.	NORTH	S.C.D.	SEAT COVER DISPENSER	V.B.	VAPOR BARRIER
CABINET	E.W.C.	ELECTRIC WATER COOLER	HDBD.	HARDBOARD	N.I.C.	NOT IN CONTRACT	S.D.	SOAP DISPENSER, STORM DRAIN	V.C.T.	VINYL COMPOSITION TILE
CATCH BASIN	EXT.	EXTERIOR	HDR.	HEADER	NOM.	NOMINAL	S.F.	SQUARE FEET		
CUBIC FEET			HDWR.	HARDWARE	N.T.S.	NOT TO SCALE	SHT.	SHEET	W.	WEST, EIDTH
CONTROL JOINT	F.A.	FIRE ALARM	HDWD.	HARDWOOD			SHWR.	SHOWER	W.C.	WATER CLOSET
CEILING	F.C.O.	FLOOR CLEANOUT	H.M.	HOLLOW METAL	O.C.	ON CENTER	SIM.	SIMILAR	WD.	WOOD
CLEAR(ANCE)	F.D.	FLOOR DRAIN	H.V.A.C	HEATING / VENTILATION /	O.H.	OPPOSITE HAND	S.N.D.	SANITARY NAPKIN DISPENSER	WDW.	WINDOW
CONCRETE MASONRY UNIT	F.E.	FIRE EXTINGUISHER		AIR CONDITIONING	OPN'G.	OPENING	S.N.R.	SANITARY NAPKIN RECEPACLE	W.G.	WIRED GLASS
CLEAN OUT	F.E.C.	FIRE EXTINGUISHER CABINET			OPP.	OPPOSITE	S.S.	STAINLESS STEEL	W.H.	WATER HEATER
COLUMN	F.F.	FINISH FLOOR	I.D.	INSIDE DIAMETER (DIM.)			STL.	STEEL	WIN.	WINDOW
CONCRETE	F.F.E.	FINISH FLOOR ELEVATION	INSUL	INSULATED / INSULATION	PERF.	PERFORATED	STA.	STATION	W.P.	WATER PROOF(ING)
CONTINUOUS	F.S.	FROM SLAB	INT.	INTERIOR	P.L.	PROPERTY LINE	S.T.C	SOUND TRANSMISSION CLASS	W.R.	WATER RESISTANT
COORDINATE	F.H.	FIRE HYDRANT			P-LAM.	PLASTIC LAMINATE	ST.S.	STANDING SEAM	WT.	WEIGHT
CARPET	FIN.	FINISH	JT.	JOINT	PR.	PAIR	SUB.	SUBSTITUTE	W.W.F.	WELDED WIRE FABRIC
CERAMIC TILE	FND.	FOUNDATION	KIT.	KITCHEN	PT.	PINT, POINT	SUSP.	SUSPENDED	W.O.M.	WALK OFF MAT
CUBIC YARDS	F.O.C.	FACE OF CONCRETE	LAF	LIQUID-APPLIED MEMBRANE FLASHING	P.T.	PRESSURE TREATED				

APPROVED

CITY ENGINEER

CITY OF PUYALLUP

NOTE: THIS APPROVAL EXPIRES ON THE DATE SHOWN. IF CONSTRUCTION HAS NOT STARTED BY THE EXPIRATION DATE PLANS MUST BE RESUBMITTED FOR REVIEW AND APPROVAL

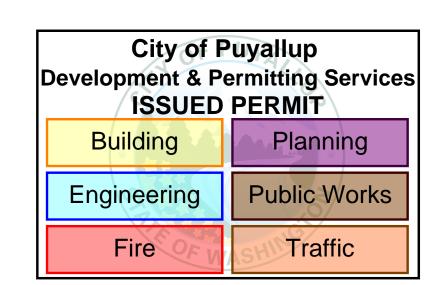
FIELD CONDITIONS MAY DICTATE CHANGES TO

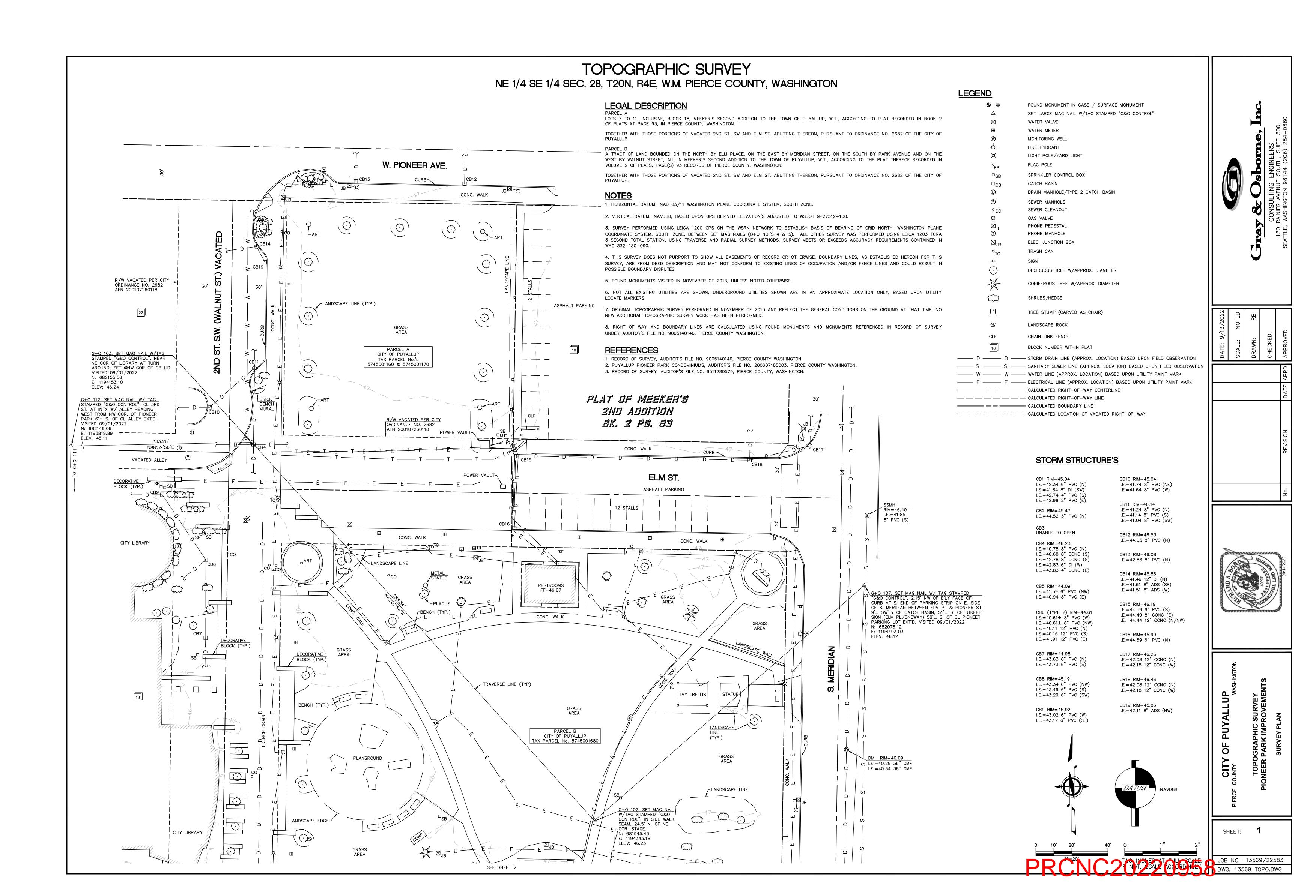
THESE PLANS AS DETERMINED BY THE CITY

AND/OR OMISSIONS ON THESE

APPROVED DATE: **EXPIRATION**

DATE:





CITY 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 APPROVED ENGINEERING PLANS, REPRESENTATIVES FROM ALL APPLICABLE UTILITY COMPANIES, THE PROJECT OWNER AND APPROPRIATE CITY STAFF. CONTACT ENGINEERING SERVICES AT (253-841-5568) TO SCHEDULE THE MEETING. THE CONTRACTOR IS RESPONSIBLE TO HAVE THEIR OWN SET OF APPROVED 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 CITY 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 THAT REQUIRES 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
- 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 THE 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

CITY GRADING, EROSION, AND SEDIMENTATION CONTROL 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 (HERINAFTER 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 CITY ENGINEER 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 12. NOT USED. ANY CONSTRUCTION. CALL (811) AT LEAST TWO WORKING DAYS HOURS IN ADVANCE. THE OWNER AND HIS/HER ENGINEER SHALL BE CONTACTED IMMEDIATELY IF A CONFLICT EXISTS.
- 7. ALL LIMITS OF CLEARING AND AREAS OF VEGETATION PRESERVATION AS PRESCRIBED ON THE PLANS SHALL BE CLEARLY FLAGGED IN THE FIELD AND OBSERVED DURING CONSTRUCTION.
- 8. ALL REQUIRED SEDIMENTATION AND EROSION CONTROL FACILITIES MUST BE CONSTRUCTED AND IN OPERATION PRIOR TO ANY LAND CLEARING AND/OR OTHER CONSTRUCTION TO ENSURE THAT SEDIMENT LADEN WATER DOES NOT ENTER THE NATURAL DRAINAGE SYSTEM. THE CONTRACTOR SHALL SCHEDULE AN INSPECTION OF THE EROSION CONTROL FACILITIES PRIOR TO ANY LAND CLEARING AND/OR OTHER CONSTRUCTION. ALL EROSION AND SEDIMENT FACILITIES SHALL BE MAINTAINED IN A SATISFACTORY CONDITION AS DETERMINED BY THE CITY, UNTIL SUCH TIME THAT CLEARING AND/OR CONSTRUCTION IS COMPLETED AND THE POTENTIAL FOR ON-SITE EROSION HAS PASSED. THE IMPLEMENTATION, MAINTENANCE, REPLACEMENT, AND ADDITIONS TO THE EROSION AND SEDIMENTATION CONTROL SYSTEMS SHALL BE THE RESPONSIBILITY OF THE PERMITTEE.
- 9. THE EROSION AND SEDIMENTATION CONTROL SYSTEM FACILITIES DEPICTED ON THESE PLANS ARE INTENDED TO BE MINIMUM REQUIREMENTS TO MEET ANTICIPATED SITE CONDITIONS. AS CONSTRUCTION PROGRESSES AND UNEXPECTED OR SEASONAL CONDITIONS DICTATE, FACILITIES WILL BE NECESSARY TO ENSURE COMPLETE SILTATION CONTROL ON THE SITE. DURING THE COURSE OF CONSTRUCTION, IT SHALL BE THE OBLIGATION AND RESPONSIBILITY OF THE PERMITTEE TO ADDRESS ANY NEW CONDITIONS THAT MAY BE CREATED BY HIS ACTIVITIES AND TO PROVIDE ADDITIONAL FACILITIES, OVER AND ABOVE THE MINIMUM REQUIREMENTS, AS MAY BE NEEDED TO PROTECT ADJACENT PROPERTIES SENSITIVE AREAS, NATURAL WATER COURSES, AND/OR STORM DRAINAGE SYSTEMS.
- 10. APPROVAL OF THESE PLANS IS FOR GRADING, TEMPORARY DRAINAGE, EROSION AND SEDIMENTATION CONTROL ONLY. IT DOES NOT CONSTITUTE AN APPROVAL OF PERMANENT STORM DRAINAGE DESIGN, SIZE OR LOCATION OF PIPES, RESTRICTORS, CHANNELS, OR RETENTION FACILITIES.
- 11. ANY DISTURBED AREA WHICH HAS BEEN STRIPPED OF VEGETATION AND WHERE NO FURTHER WORK IS ANTICIPATED FOR A PERIOD OF 30 DAYS OR MORE, MUST BE IMMEDIATELY STABILIZED WITH MULCHING, GRASS PLANTING, OR OTHER APPROVED EROSION CONTROL TREATMENT APPLICABLE TO THE TIME OF YEAR IN QUESTION. GRASS SEEDING ALONE WILL BE ACCEPTABLE ONLY DURING THE MONTHS OF APRIL THROUGH SEPTEMBER INCLUSIVE. SEEDING MAY PROCEED OUTSIDE THE SPECIFIED TIME PERIOD WHENEVER IT IS IN THE INTEREST OF THE PERMITTEE BUT MUST BE AUGMENTED WITH MULCHING, NETTING, OR OTHER TREATMENT APPROVED BY THE CITY.
- 12. IN CASE EROSION OR SEDIMENTATION OCCURS TO ADJACENT PROPERTIES, ALL CONSTRUCTION WORK WITHIN THE DEVELOPMENT THAT WILL FURTHER AGGRAVATE THE SITUATION MUST CEASE, AND THE OWNER/CONTRACTOR WILL IMMEDIATELY COMMENCE RESTORATION METHODS. RESTORATION ACTIVITY WILL CONTINUE UNTIL SUCH TIME AS THE AFFECTED PROPERTY OWNER IS SATISFIED.
- 13. NO TEMPORARY OR PERMANENT STOCKPILING OF MATERIALS OR EQUIPMENT SHALL OCCUR WITHIN CRITICAL AREAS OR ASSOCIATED BUFFERS, OR THE CRITICAL ROOT ZONE FOR VEGETATION PROPOSED FOR RETENTION.

CITY ROADWAY 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 REQUIRES REMOVAL OR RELOCATION RELATING TO THIS PROJECT, SHALL BE DONE SO AT THE DEVELOPER'S EXPENSE.
- 8. NOT USED.
- 9. CURB AND GUTTER INSTALLATION SHALL CONFORM TO CITY STANDARD DETAIL 01.02.09.
- 10. SIDEWALKS AND DRIVEWAYS SHALL BE INSTALLED AS LOTS ARE BUILT ON. SIDEWALKS AND DRIVEWAYS SHALL CONFORM TO CITY STANDARD DETAIL 01.02.01, 01.02.02 AND 01.02.12. IF ASPHALT IS DAMAGED DURING REPLACEMENT OF CURB AND GUTTER, THE REPAIR SHALL CONFORM TO CITY STANDARD DETAIL 01.02.10.
- 11. NOT USED.

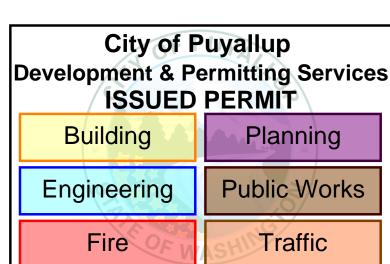
- 13. PRIOR TO ANY SIGN OR STRIPING INSTALLATION OR REMOVAL THE CONTRACTOR SHALL CONTACT THE CITY SIGN SPECIALIST (253) 841-5471 TO ARRANGE FOR AN ON-SITE MEETING TO DISCUSS PLACEMENT AND UNIFORMITY.
- 14. NEW OR REVISED STOP SIGNS OR YIELD SIGNS SHALL BE ADVANCE WARNED USING THE PROCEDURE OUTLINED IN THE MUTCD. ADVANCE WARNING SIGNS AND FLAGS SHALL BE MAINTAINED BY INSTALLER FOR 30 DAYS AND THEN REMOVED.

CITY 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. NOT USED.
- 9. SIDE SEWERS SHALL BE INSTALLED IN ACCORDANCE WITH CITY STANDARD AND THE DETAILS IN THE PLANS. 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 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. NOT USED.
- 12. NOT USED.
- 13. NOT USED. 14. NOT USED.
- 15. NOT USED.
- 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.

CITY STORM DRAINAGE 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. DURING CONSTRUCTION, ALL EXISTING AND NEWLY INSTALLED DRAINAGE STRUCTURES SHALL BE PROTECTED FROM SEDIMENTS.
- 9. NOT USED.
- 10. NOT USED.
- 11. 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 GRATE TO THE INVERT OF THE STORM PIPE.
- 12. NOT USED.
- 13. 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).
- 14. 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.



PLEASE CALL 811 3 Working Days **BEFORE YOU DIG**



119 MAIN ST, STE #200 SEATTLE, WA 98104-2579 (206) 322-3322







(1)

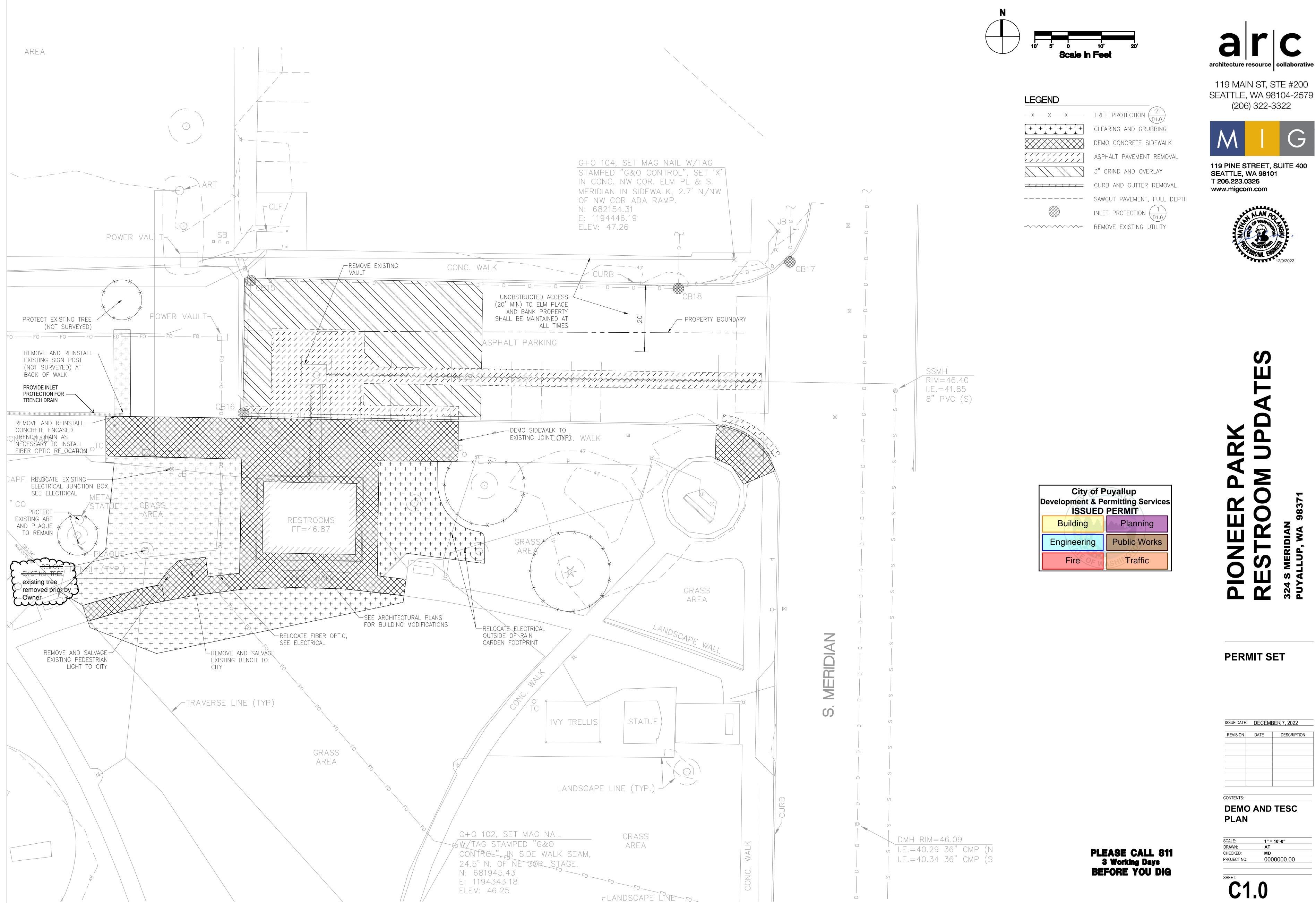
PERMIT SET

ISSUE DATE	ISSUE DATE: NOVEMBER 3, 2022						
REVISION	DATE	DESCRIPTION					
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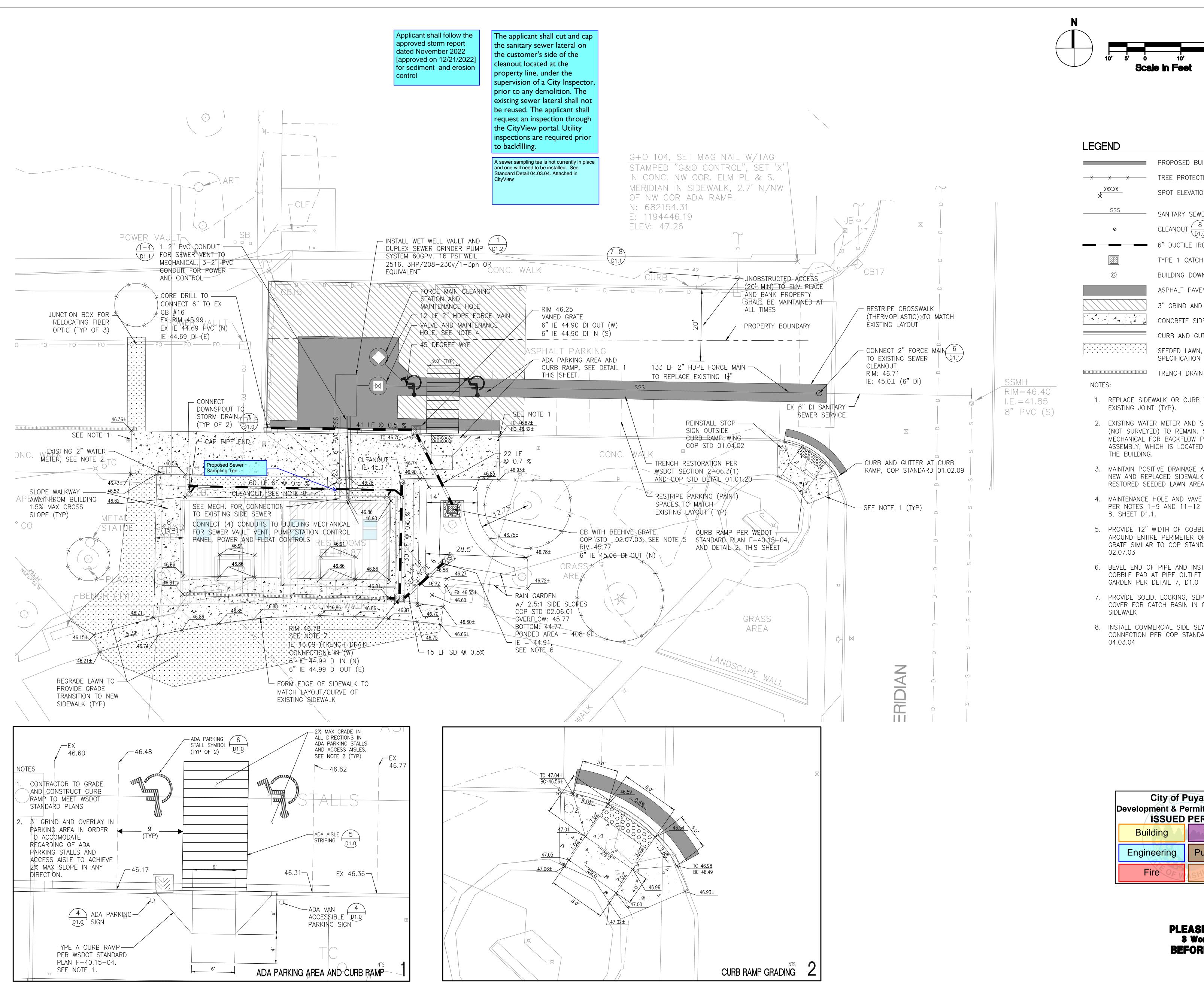
CONTENTS: **CITY OF PUYALLUP GENERAL NOTES**

AS SHOWN DRAWN: CHECKED: 00.00000.00 PROJECT NO:

G1.0



C1.0





PROPOSED BUILDING

SPOT ELEVATION

SANITARY SEWER SERVICE

TYPE 1 CATCH BASIN

BUILDING DOWNSPOUT

3" GRIND AND OVERLAY

SPECIFICATION

6" DUCTILE IRON STORM DRAIN

ASPHALT PAVEMENT COP STD 01.01.20

CONCRETE SIDEWALK COP STD 01.02.01

CURB AND GUTTER RESTORATION

SEEDED LAWN, SEE HAND SEEDING

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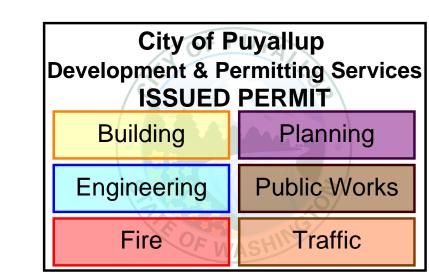
119 PINE STREET, SUITE 400 SEATTLE, WA 98101 T 206.223.0326 www.migcom.com



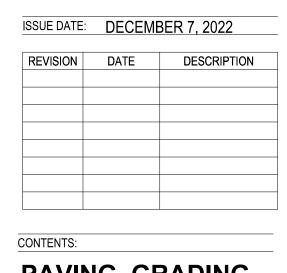
- 1. REPLACE SIDEWALK OR CURB TO EXISTING JOINT (TYP).
- 2. EXISTING WATER METER AND SERVICE (NOT SURVEYED) TO REMAIN. SEE MECHANICAL FOR BACKFLOW PREVENTION ASSEMBLY, WHICH IS LOCATED INSIDE THE BUILDING.
- 3. MAINTAIN POSITIVE DRAINAGE ACROSS NEW AND REPLACED SIDEWALK AND RESTORED SEEDED LAWN AREAS
- 4. MAINTENANCE HOLE AND VAVE SHALL BE PER NOTES 1-9 AND 11-12 OF DETAIL 8, SHEET D1.1.
- 5. PROVIDE 12" WIDTH OF COBBLES AROUND ENTIRE PERIMETER OF BEEHIVE GRATE SIMILAR TO COP STANDARD 02.07.03
- 6. BEVEL END OF PIPE AND INSTALL COBBLE PAD AT PIPE OUTLET TO RAIN GARDEN PER DETAIL 7, D1.0
- 7. PROVIDE SOLID, LOCKING, SLIP RESISTANT COVER FOR CATCH BASIN IN CONCRETE SIDEWALK
- 8. INSTALL COMMERCIAL SIDE SEWER CONNECTION PER COP STANDARD

1

PERMIT SET

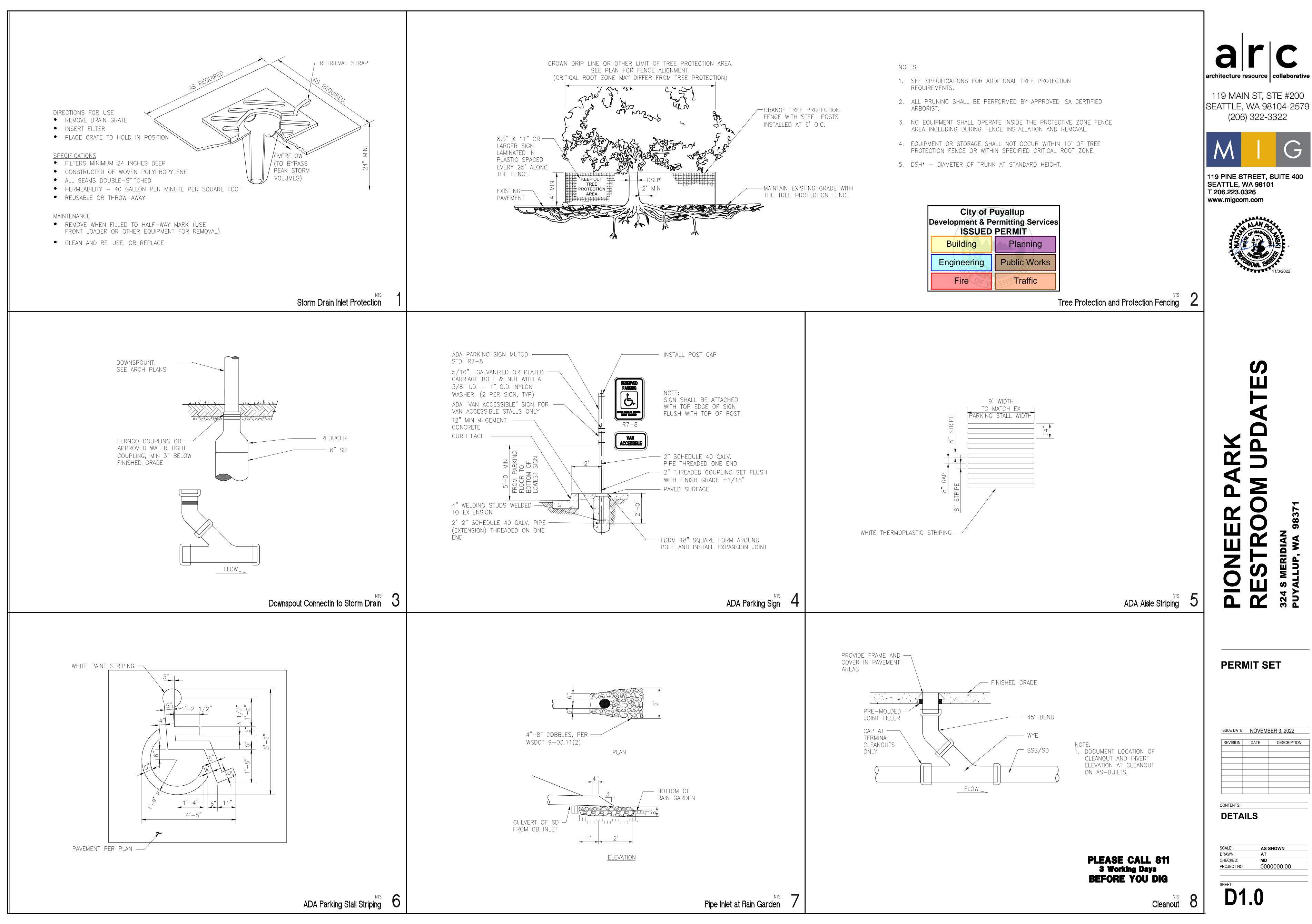


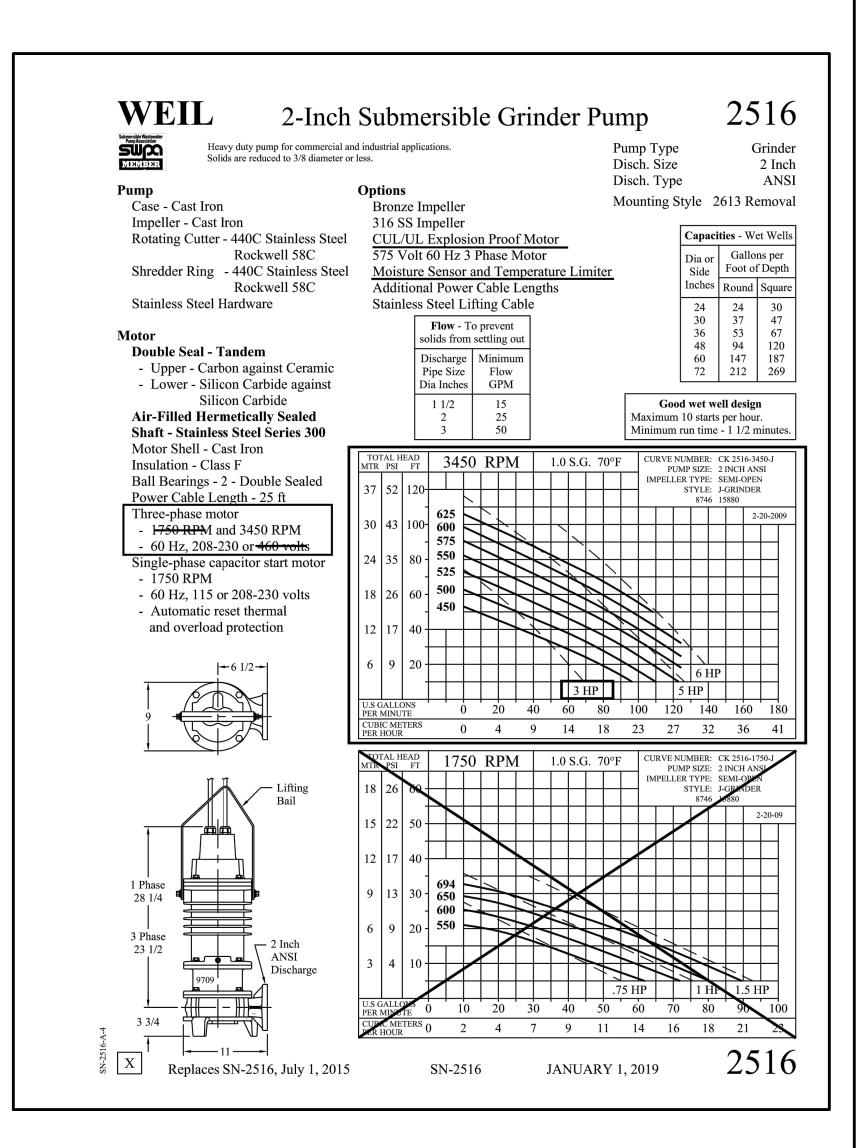
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PAVING, GRADING, AND UTILITY PLAN

SCALE: DRAWN: CHECKED: PROJECT NO: 0000000.00 **C2.0**



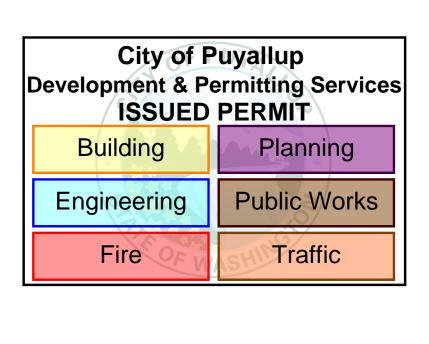


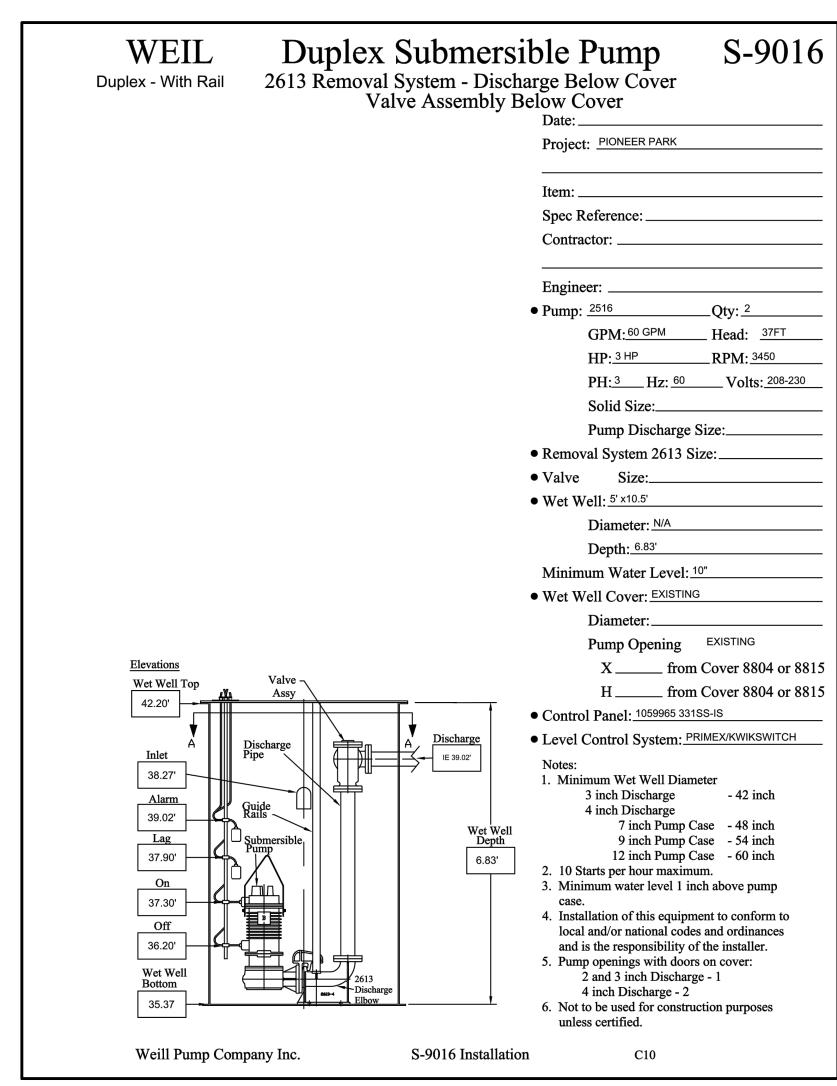
Submersible Grinder Pump

Trash Basket

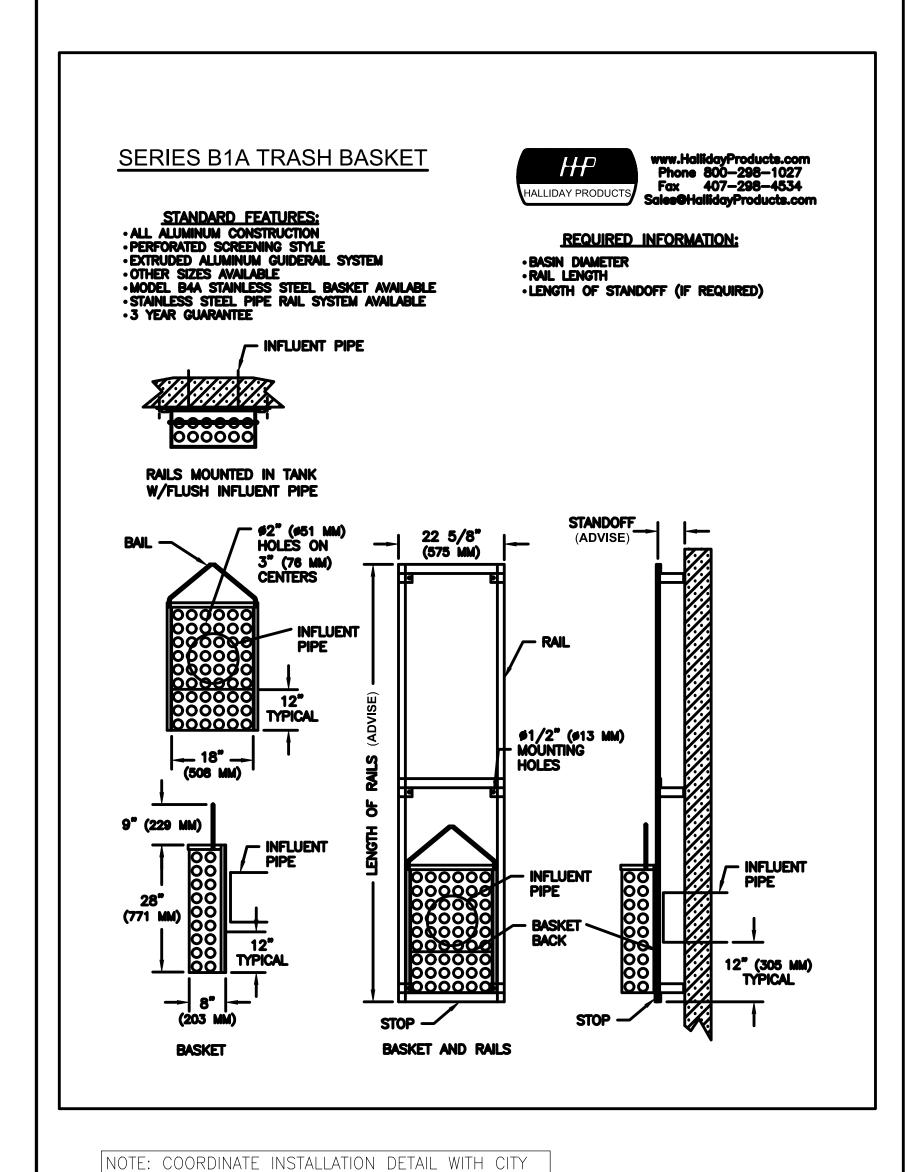


Pump Control Panel 2

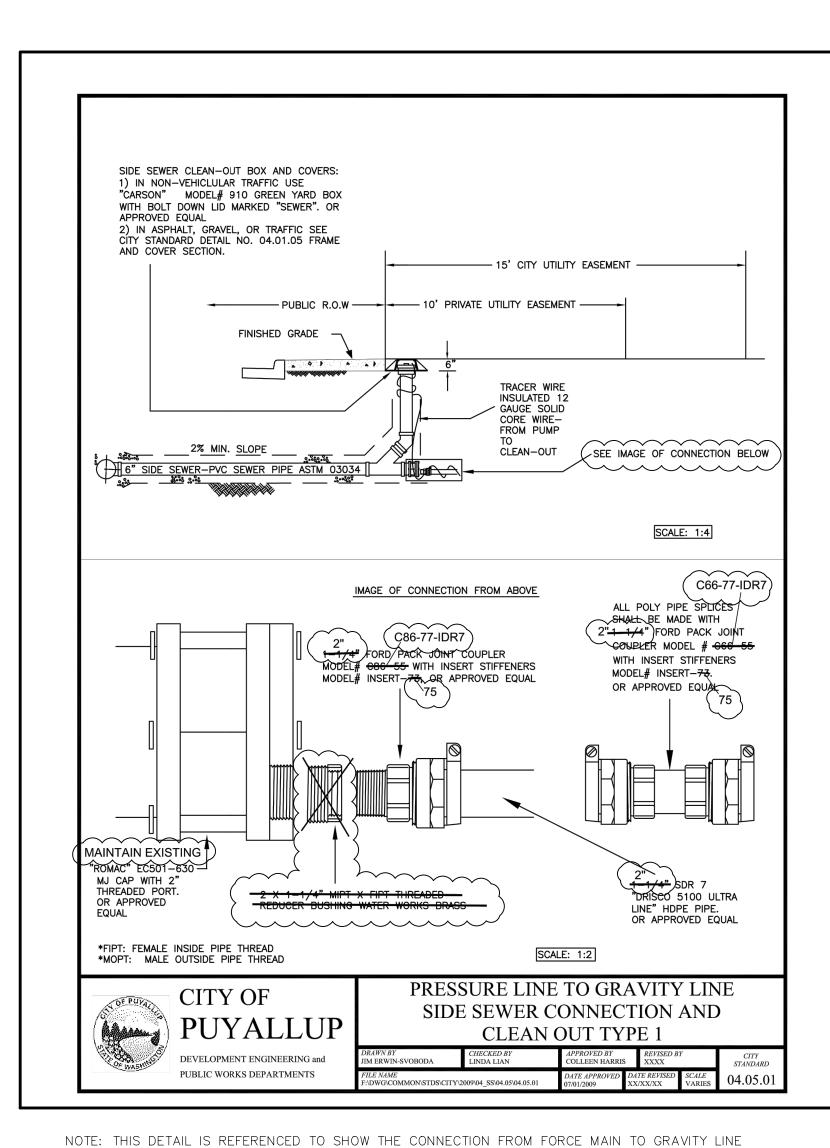




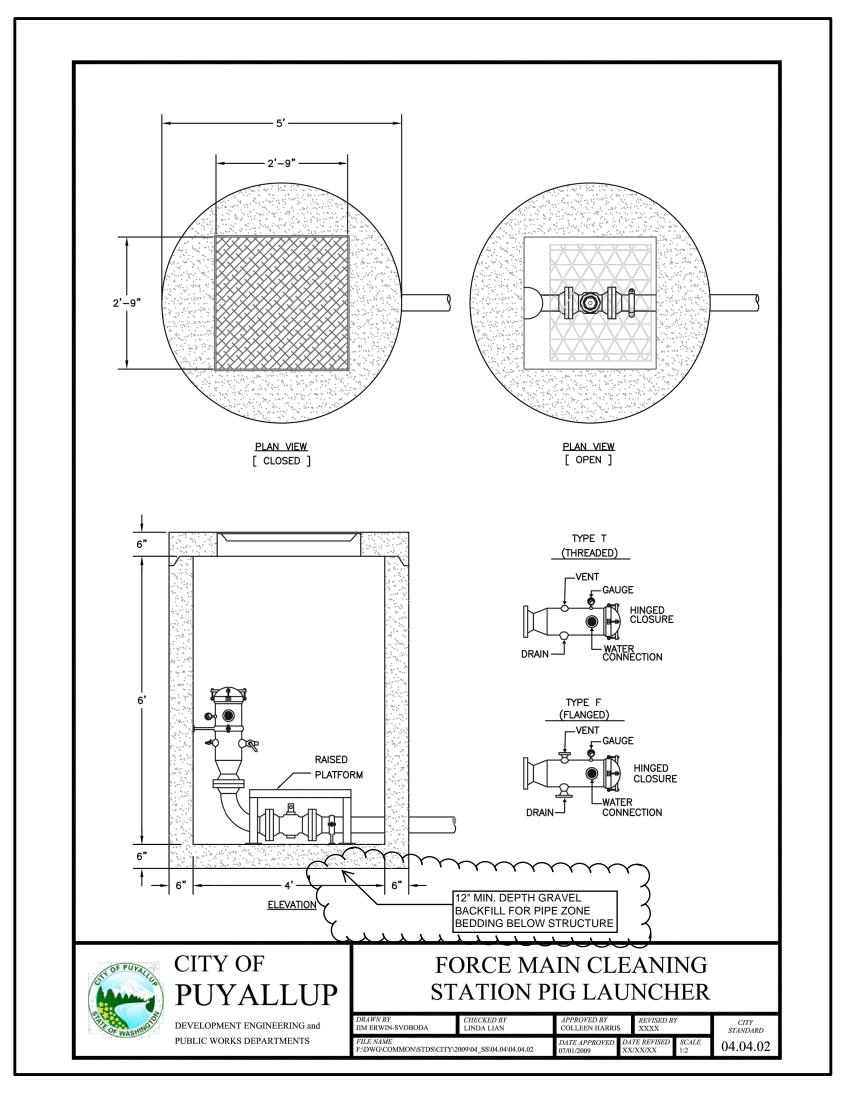
Duplex Submersible Pump



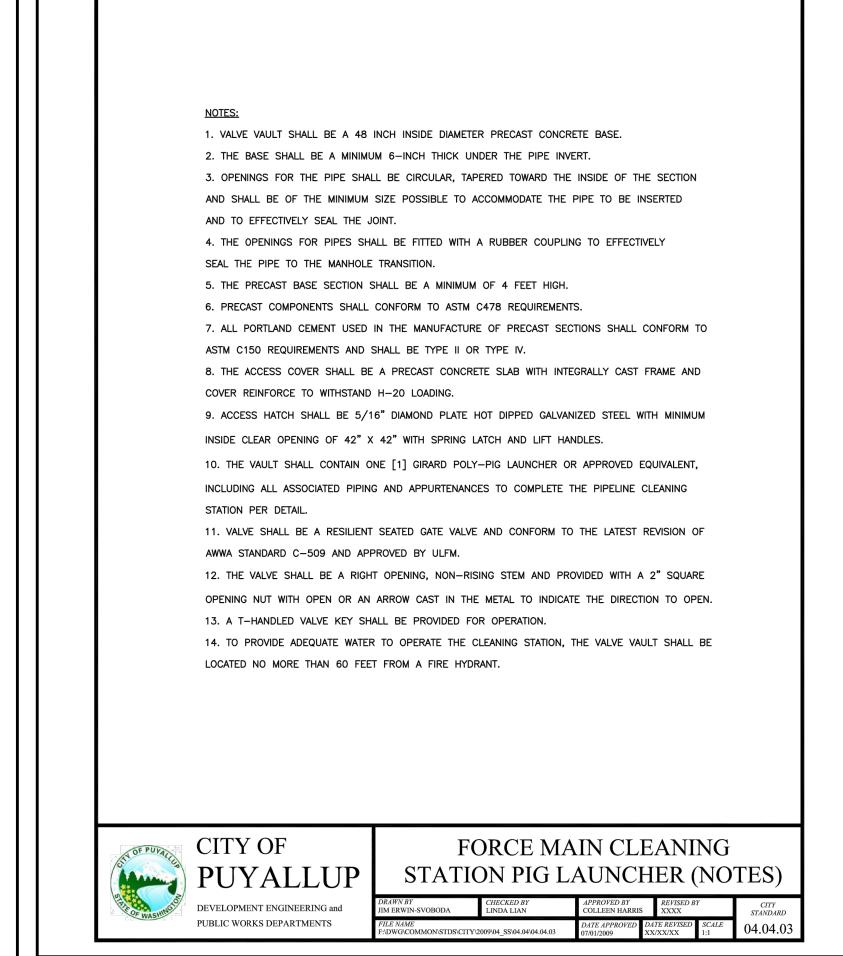
INCLUDING LENGTH OF RAIL ANDCABLE ASSEMBLY.



Pressure to Gravity Line Side Sewer Connection and Clean Out Type 1 6

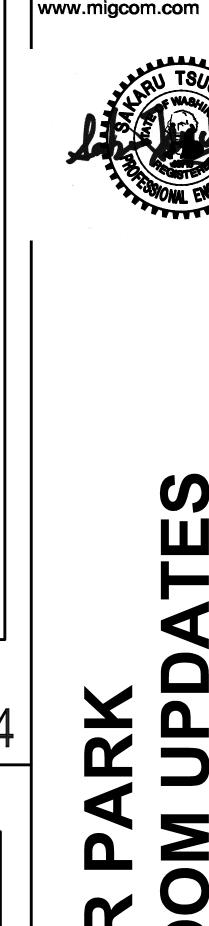


Force Main Cleaning Station Pig Launcher



PLEASE CALL 811 3 Working Days **BEFORE YOU DIG**

Force Main Cleaning Station Pig Launcher (Notes) 8



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119 PINE STREET, SUITE 400

SEATTLE, WA 98101

T 206.223.0326

BID SET

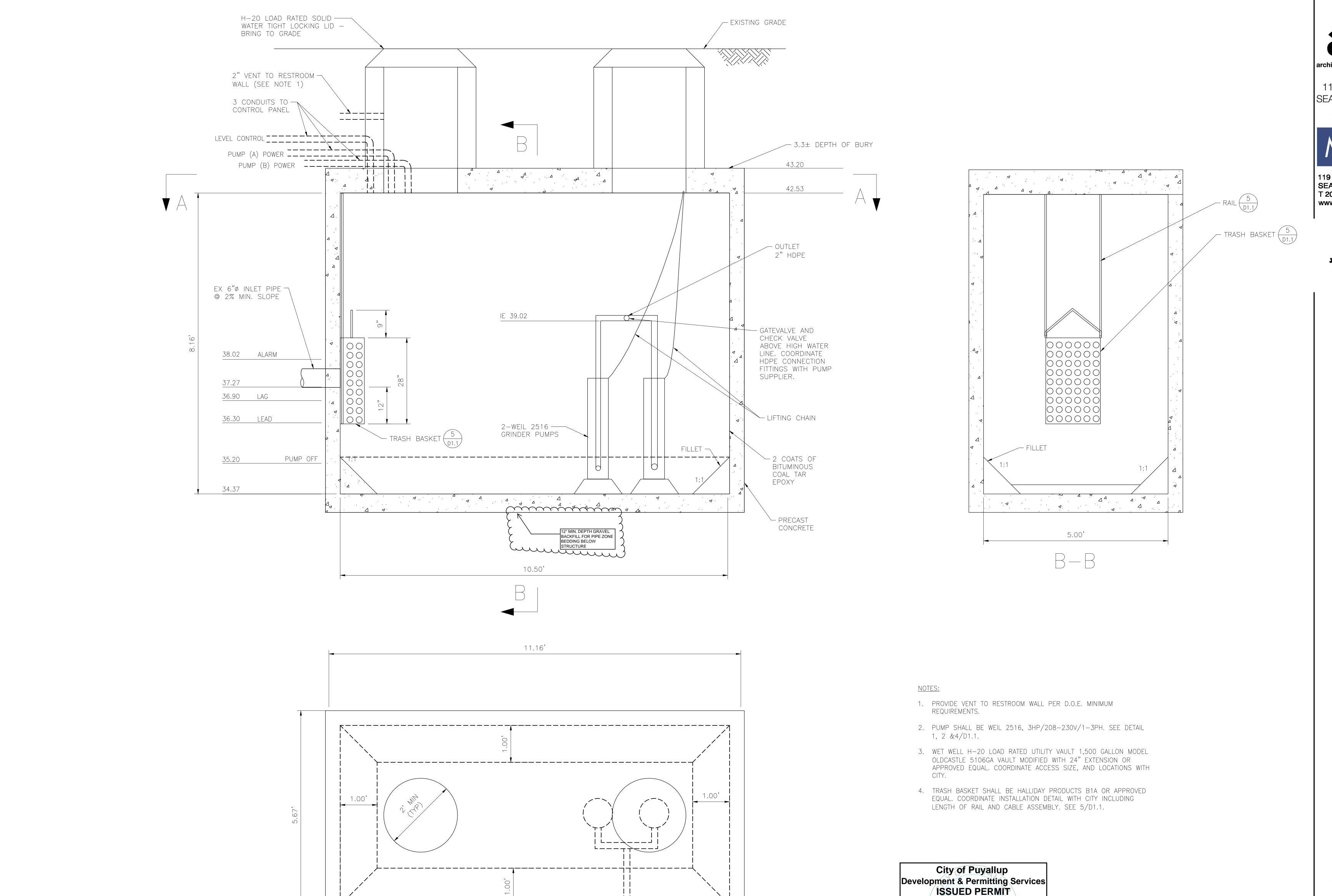
ISSUE DATE:	NOVEM	BER 3, 2022
REVISION	DATE	DESCRIPTION
CONTENTS:		

DETAILS

SCALE: DRAWN: CHECKED: PROJECT NO: 0000000.00

D1.1

PRCNC20220958



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119 PINE STREET, SUITE 400 SEATTLE, WA 98101 T 206.223.0326 www.migcom.com



BID SET

SSUE DATE:	NOVEME	BER 3, 2022
REVISION	DATE	DESCRIPTION

DETAILS

CHECKED:

D1.2

Planning

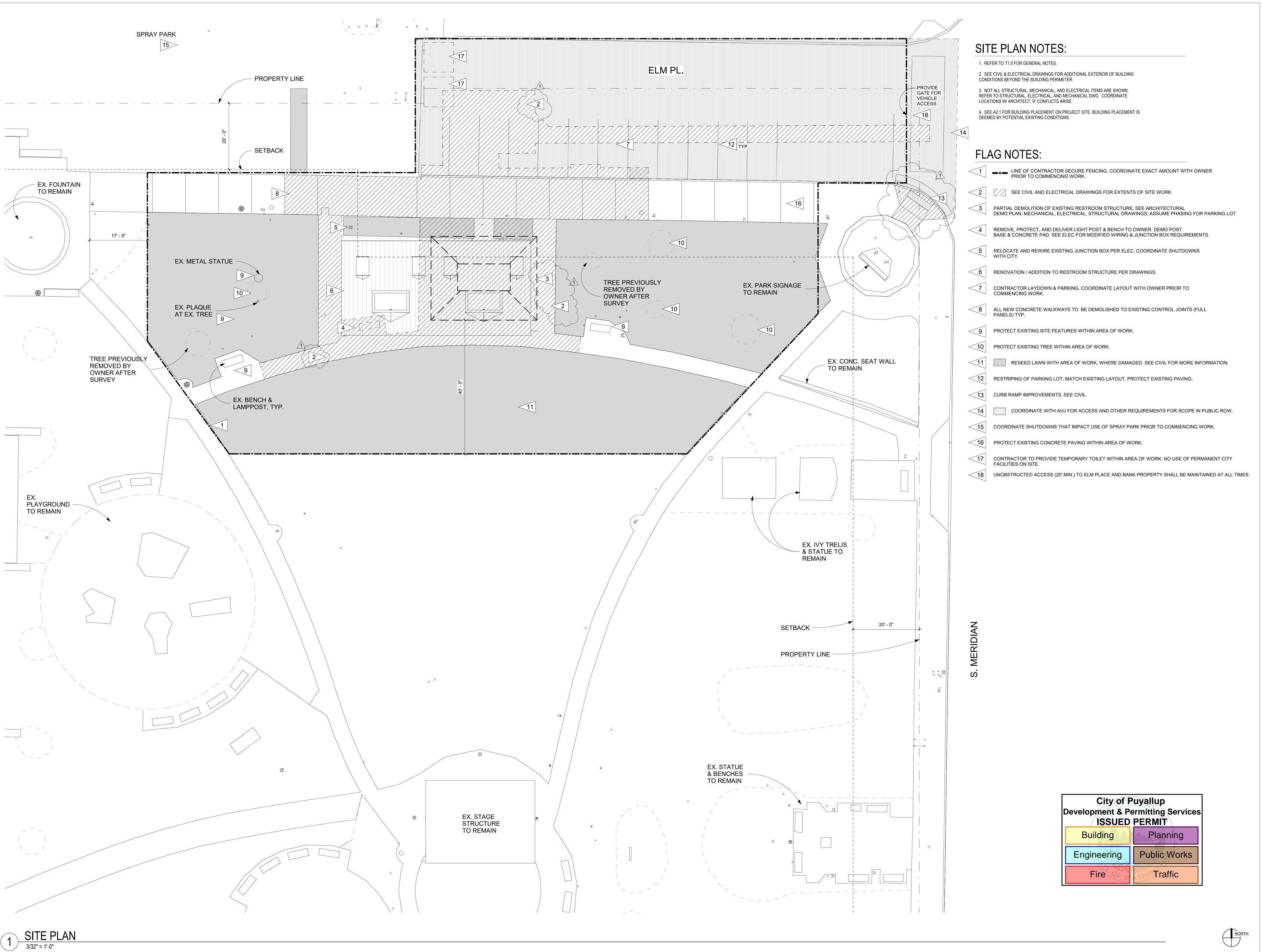
Public Works

Traffic

Building

Engineering

PLEASE CALL 811 3 Working Days BEFORE YOU DIG





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IONEER PARK ESTROOMS UPGRADI

BID SET

ISSUE DAT	E: DECEN	MBER 15, 2022
REVISION	DATE	DESCRIPTION
R1	OCT. 7, 2022	PERMIT REVISIONS #

SITE PLAN

 SCALE:
 As indicated

 DRAWN:
 AP

 CHECKED:
 JW

 PROJECT NO:
 2021016.000

SHEET: **A1.1**

FLAG NOTES: DEMOLISH EXISTING FIXTURES, RESTROOM ACCESSORIES, AND ASSOCIATED PLUMBING, SEE MECHANICAL/ ELECTRICAL DRAWINGS. DEMOLISH EXISTING HM DOOR; FRAME TO REMAIN, PROTECT. EXISITNG CAST-IN-PLACE CONCRETE STEM WALL TO REMAIN, UNLESS OTHERWISE NOTED, SEE STRUCTURAL FOR MORE INFORMATION. 4 DEMOLISH FULL HEIGHT GLASS BLOCK WALL. DEMOLISH EXISTING FLOOR DRAINS FOR EXTENSION/ RAISED FFE & NEW DRAIN, SEE MECHANICAL FOR DEMOLITION OF EXSTING FLOOR DRAINS & NEW SCOPE. 6 DEMOLISH EXISTING DOOR & FRAME.

8 EXISTING SURFACE MOUNTED PANELS & CONDUIT; SEE ELECTRICAL FOR MODIFICATIONS.

DEMOLITION INCLUDES REMOVAL OF CONCRETE STEM WALL TO EXISTING FINISH FLOOR.

DEMOLISH EXISTING LIGHT FIXTURE AND RECEPTABLES, SEE ELCTRICAL FOR MORE INFORMATION.

DEMOLISH ENTIRE SKYLIGHT ASSEMBLY - INCLUDING SUPPORT BEAMS & WALLS BELOW.

PARTIAL DEMOLITION OF EXISTING CMU WALL, SEE STRUCTURAL & A1.3.

SEE SITE PLAN & ENGINEER DRAWINGS FOR SITE DEMO SCOPE, TYP.

16 DEMOLISH INTERIOR GLAZED WALL PARTITIONS/ DEMISING WALLS.

11 DEMOLISH INTERIOR PARTITIONS FLUSH TO EXISTING FINISH FLOOR, TYP.

7 SEE MECHANICAL/ ELECTRICAL FOR UTILITY DEMOLITION.

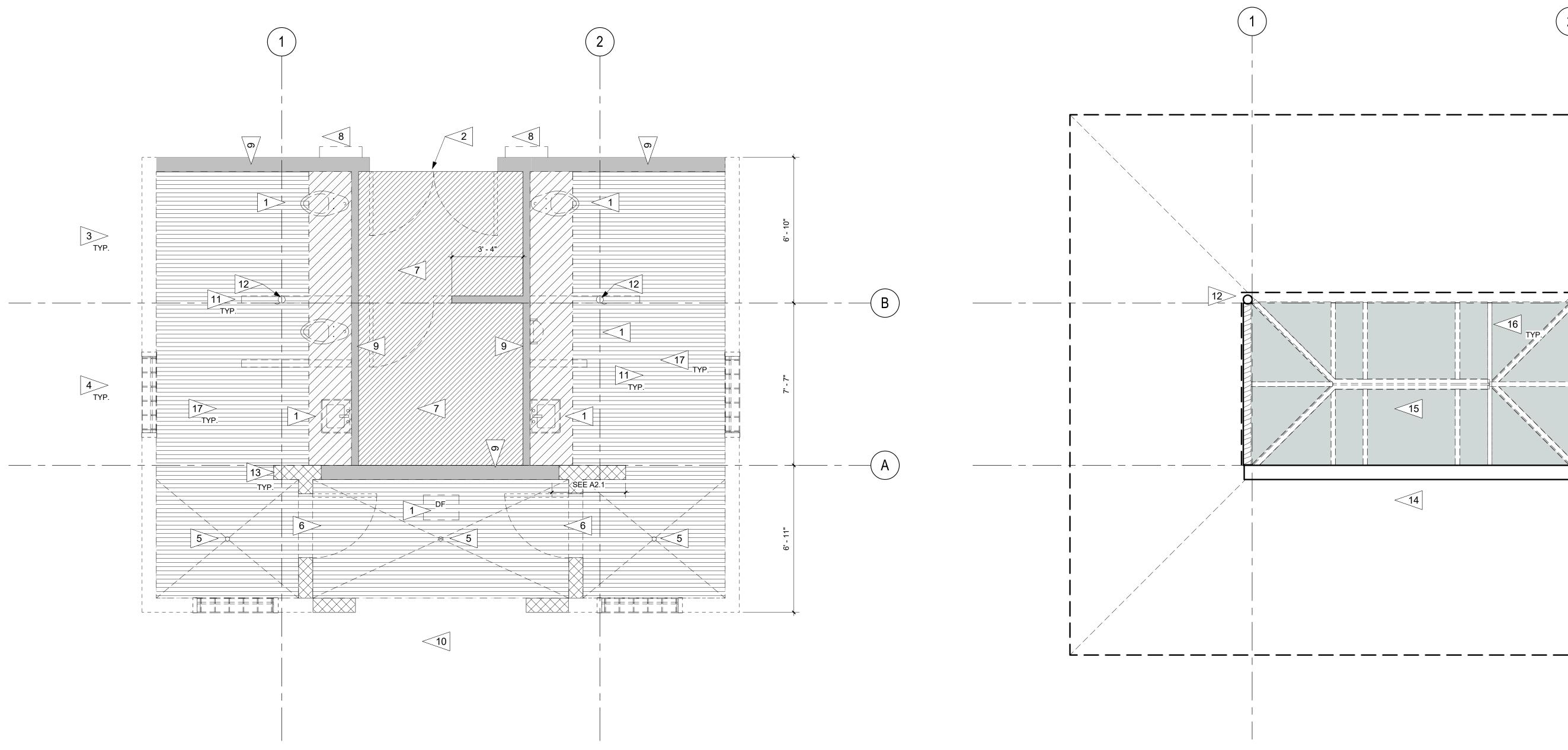
DEMOLISH EXISTING STRUCTURAL COLUMNS, TYP.

14 DEMOLISH ENTIRE ROOF ASSEMBLY.

DE	DEMOLITION LEGEND:					
	AREA OF EXISTING S.O.G. TO BE CUT/ PATCHED AS REQUIRED FOR NEW UTILITIES, SEE CIVIL/ STRUCTURAL/ MECHANICAL/ ELECTRICAL FOR MORE INFORMATION; ALIGN TO EXISTING PATCHED SLABS WITH EXISTING UNLESS OTHERWISE NOTED.					
	AREA OF EXISTING RECESSED SLAB (THROUGH WALL DRAIN TROUGH) TO DEMOLISH; NEW SLAB TO ALIGN WITH ADJACENT/ EXISTING SLAB.					
	AREA OF EXISTING SLAB TO CUT/ PATCH FOR NEW UTILITIES; GRIND EXISTING SURFACE TO PREP FOR TOPPING FINISH, TYP.					

City of Power of Powe	ermitting Services
Building	Planning
Engineering	Public Works
Fire OF W	Traffic

STRUCTURAL/ MECHANICAL/ ELECTRICAL FOR MORE INFORMATION; ALIGN TO EXISTING PATCHED SLABS WITH EXISTING UNLESS OTHERWISE NOTED.	Development & Pe ISSUED	
AREA OF EXISTING RECESSED SLAB (THROUGH WALL DRAIN TROUGH) TO DEMOLISH; NEW SLAB TO ALIGN WITH ADJACENT/ EXISTING SLAB.	Building	Planning
AREA OF EXISTING SLAB TO CUT/ PATCH FOR NEW UTILITIES; GRIND EXISTING SURFACE TO PREP FOR TOPPING FINISH, TYP.	Engineering	Public Works
EXISTING WALL TO REMAIN, UNLESS OTHERWISE NOTED; SEE FLAGNOTE 9	Fire OF W	Traffic
 ITEM TO DEMOLISH, U.O.N.		



1	FLOOR PLAN - DEMO
	3/8" = 1'-0"

2 ROOF PLAN - DEMO
3/8" = 1'-0"



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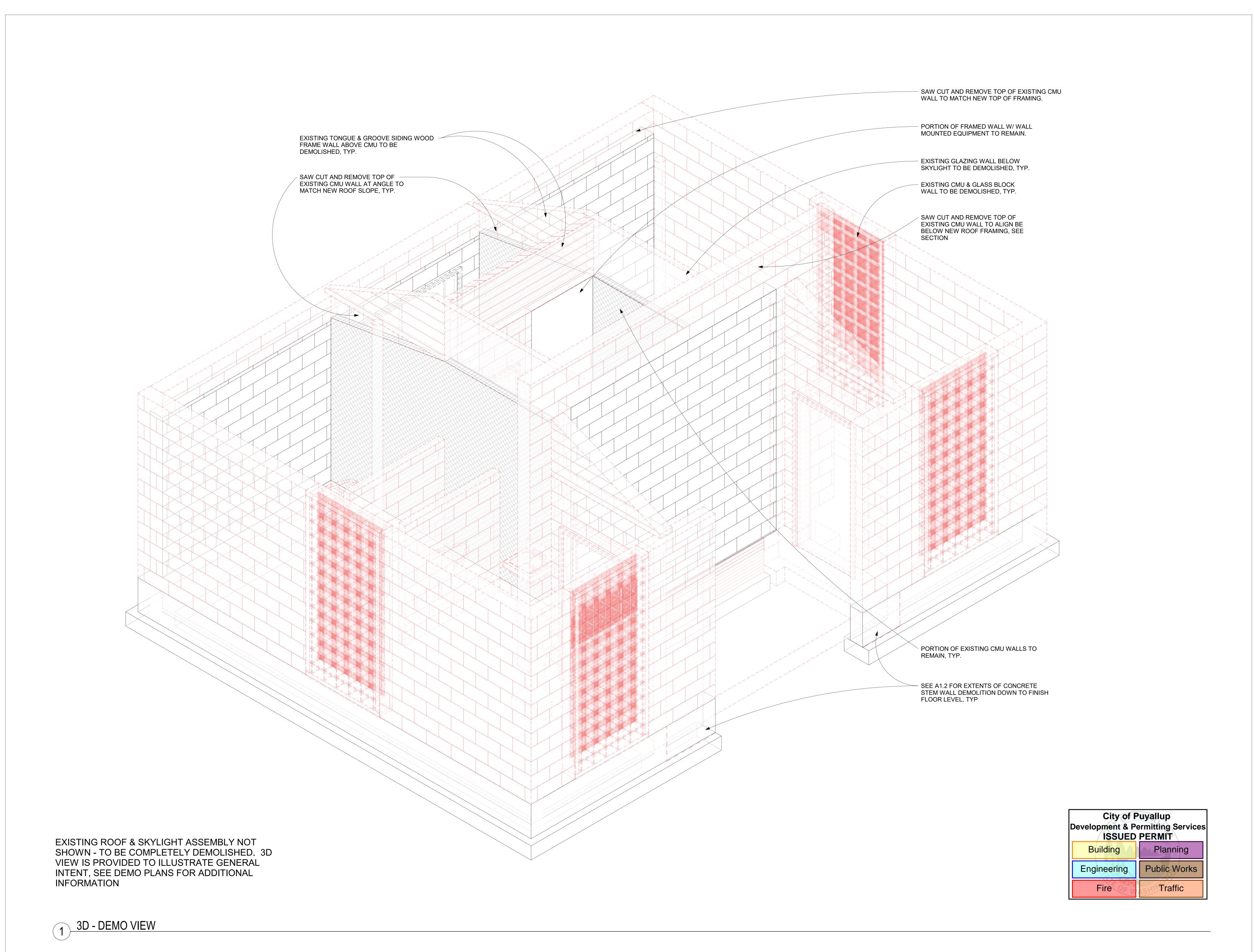


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REVISION	DATE	DESCRIPTIO			

DEMO FLOOR & ROOF PLAN

A1.2





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PIONEER PARK RESTROOMS UPGRAD

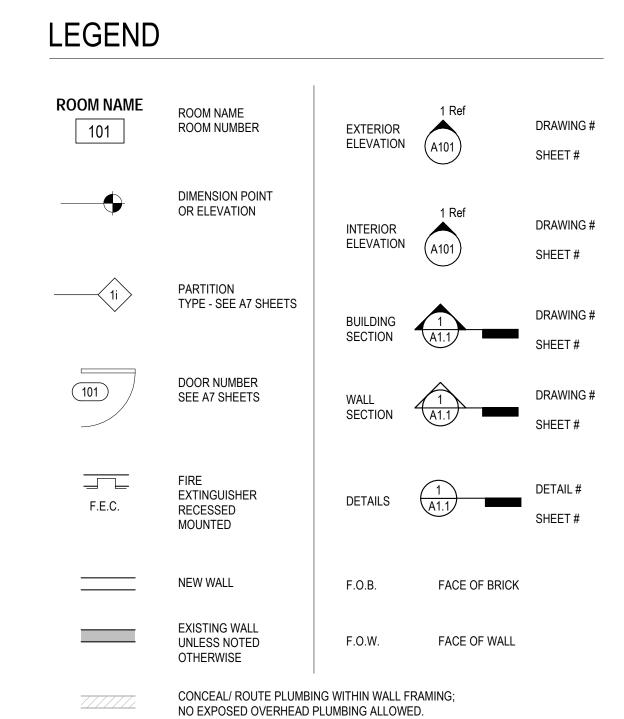
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ISSUE DAT	E: DECEM	1BER 15, 2022
REVISION	DATE	DESCRIPTION
R1	OCT. 7, 2022	PERMIT REVISIONS #

DEMO
PERSPECTIVE

SCALE:
DRAWN: Author
CHECKED: Checker
PROJECT NO: 2021016.000

A1.3



City of Puyallup Development & Permitting Services ISSUED PERMIT Building Planning Engineering Public Works Fire Traffic

PLAN NOTES:

1. REFER TO T1.0 FOR GENERAL NOTES.

2. SEE CIVIL & LANDSCAPE DRAWINGS FOR EXTERIOR OF BUILDING CONDITIONS BEYOND THE BUILDING PERIMETER.

3. SEE A7 SHEETS FOR WALL, FLOOR, AND SLAB BUILDING ASSEMBLIES, U.O.N.

4. SEE BUILDING ELEVATIONS AND ROOF PLAN FOR EXTERIOR MATERIALS & DETAIL CALLOUTS.

5. REFER TO SHEET A3.3 FOR ADDITIONAL ASSEMBLY CALLOUTS.

6. NOT ALL REQUIRED ACCESS PANELS HAVE BEEN SHOWN. PROVIDE ACCESS PANELS AS REQUIRED. COORDINATE THEIR LOCATION WITH ALL MECHANICAL AND ELECTRICAL ITEMS AND PAINT TO MATCH ADJACENT SURFACES.

7. SEE FINISH PLANS FOR CONTROL JOINT AND EXPANSION JOINT LOCATIONS AT EXPOSED TO VIEW CONCRETE FLOORS, FLOOR SLOPES, DRAINS, TOPPINGS, FINISH, AND PAINT LOCATIONS.

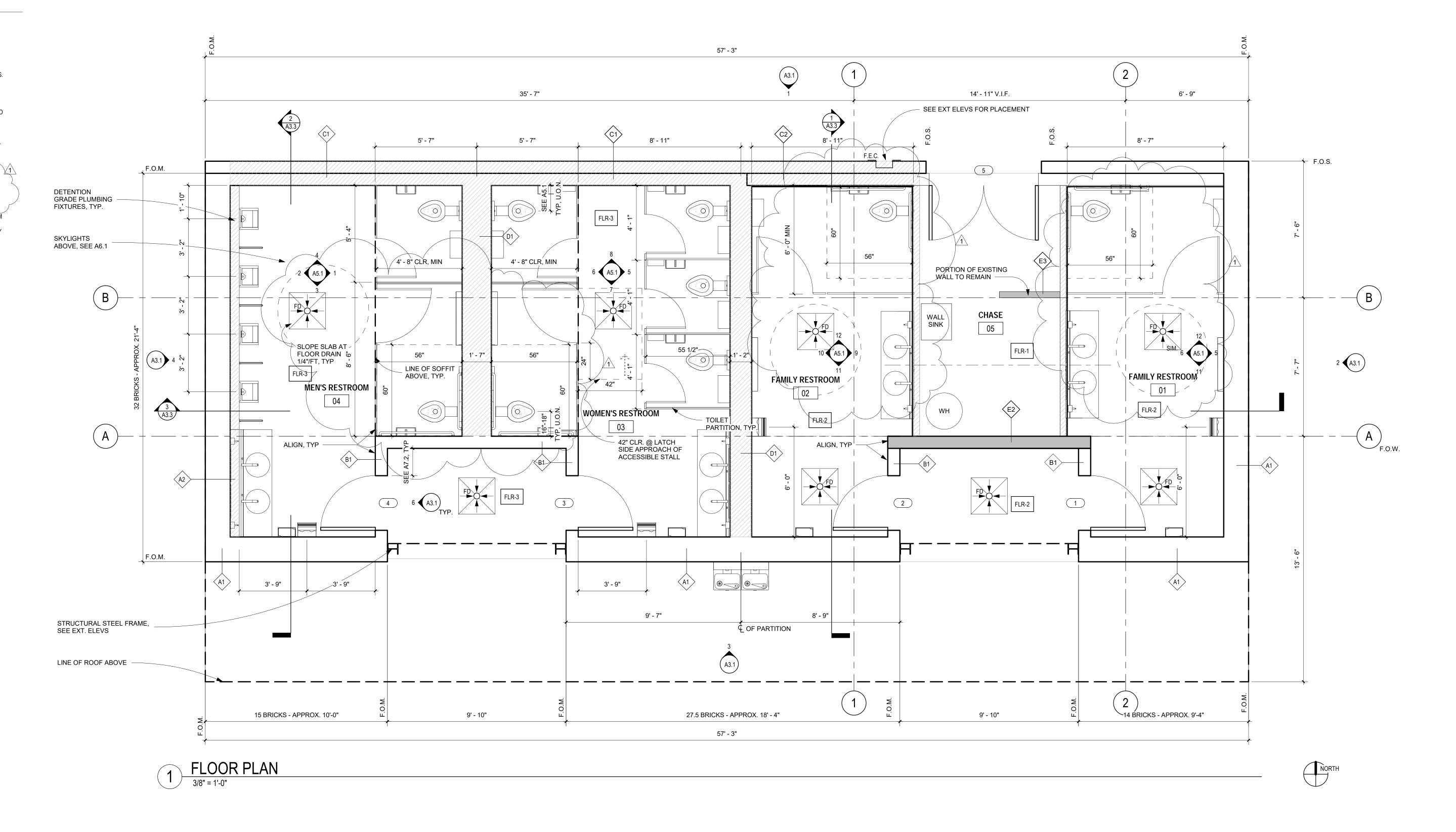
8. SEE A5 SHEETS FOR TYPICAL RESTROOM ACCESSORIES.

9. FIRE EXTINGUISHERS ARE LOCATED ON EXTERIOR FACE OF BUILDING, TYP.

10. SEE A10.1 FOR FLOOR DRAINS AND SLOPES.

11. SEE PLUMBING DRAWINGS FOR HOSE BIB LOCATIONS, TYP.

12. FINISH FLOOR ELEVATIONS FOR ROOMS 03-WOMEN'S RESTROOM AND 04-MEN'S RESTROOM ARE DIFFRENT THAN 01/02-FAMILY RESTROOM AND 05-CHASE; SEE CIVIL FOR EXACT ELEVATIONS, TYP; PLANS AND SECTIONS ARE ILLUSTRATED AS SIMILAR FOR GRAPHIC CLARITY





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VEER PARK TROOMS UPGRADE

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REVISION DATE DESCRIPTION
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FLOOR PLAN

SCALE: As indicated

DRAWN: AP

CHECKED: JW

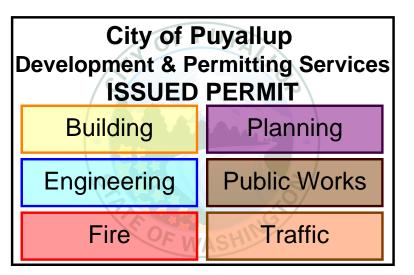
PROJECT NO: 2021016.000

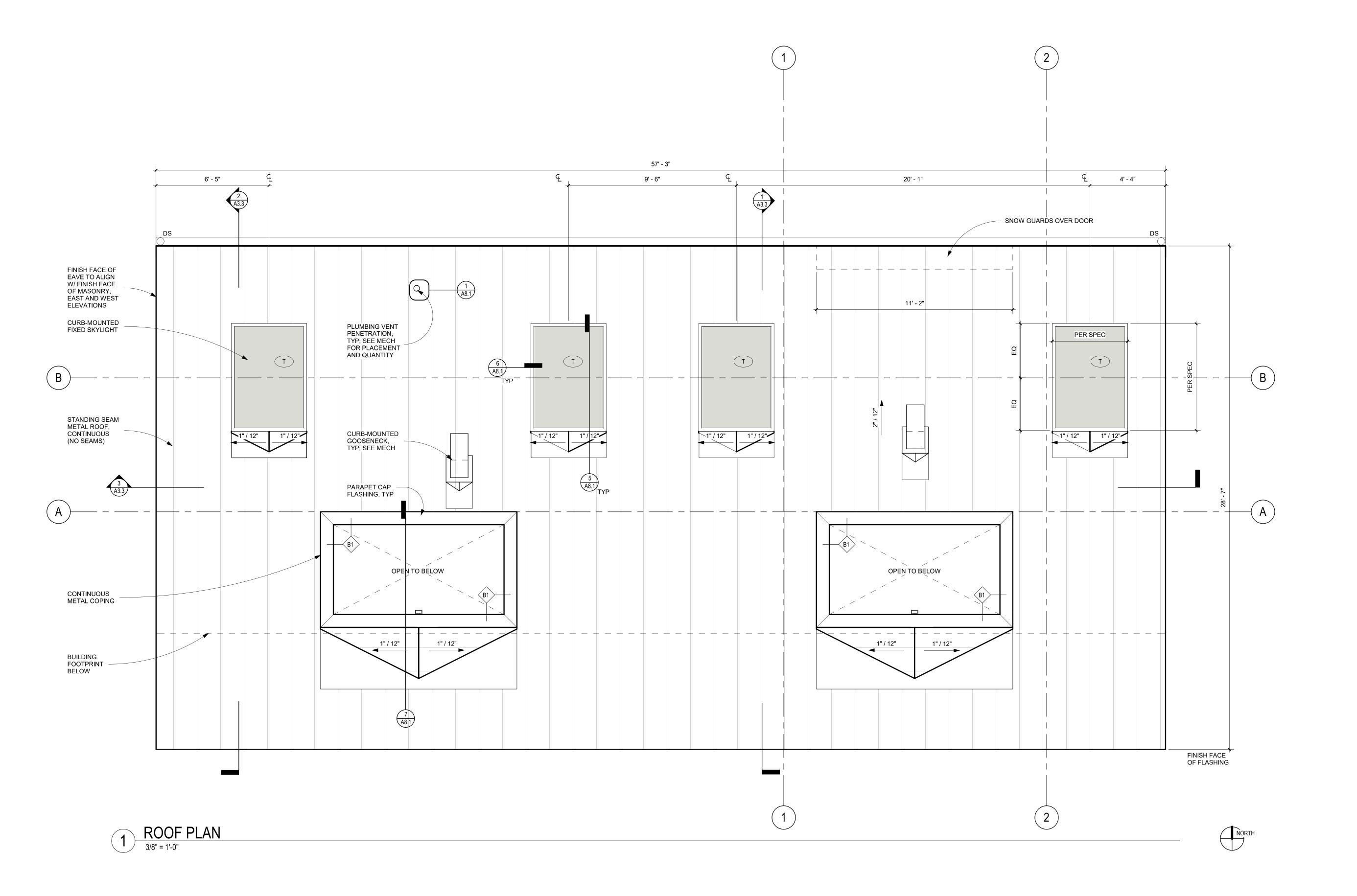
A2.1

ROOF PLAN NOTES:

- 1. FOR ROOF TYPE ASSEMBLIES SEE BUILDING SECTIONS
- 2. SEE EXTERIOR ELEVATIONS FOR DOWNSPOUT LOCATIONS.
- 3. DRAWINGS INDICATE GENERAL & TYPICAL DETAILS OF CONSTRUCTION. WHERE CONDITIONS ARE NOT SPECIFICALLY INDICATED BUT ARE OF SIMILAR CHARACTER, TYPICAL DETAILS SHALL APPLY.
- 4. TYP. ROOF PIPING AND VENT PENETRATION LOCATIONS SHOWN FOR CONTRACTOR COORDINATION AND FOR DESIGN INTENT. FOR ACTUAL PENETRATION QUANTITIES REQUIRED, SEE MECH SHEETS

T TEMPERED GLASS







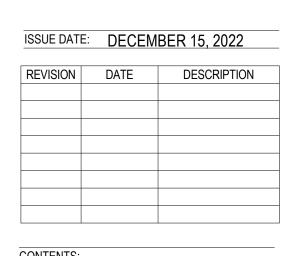
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ROOF PLAN

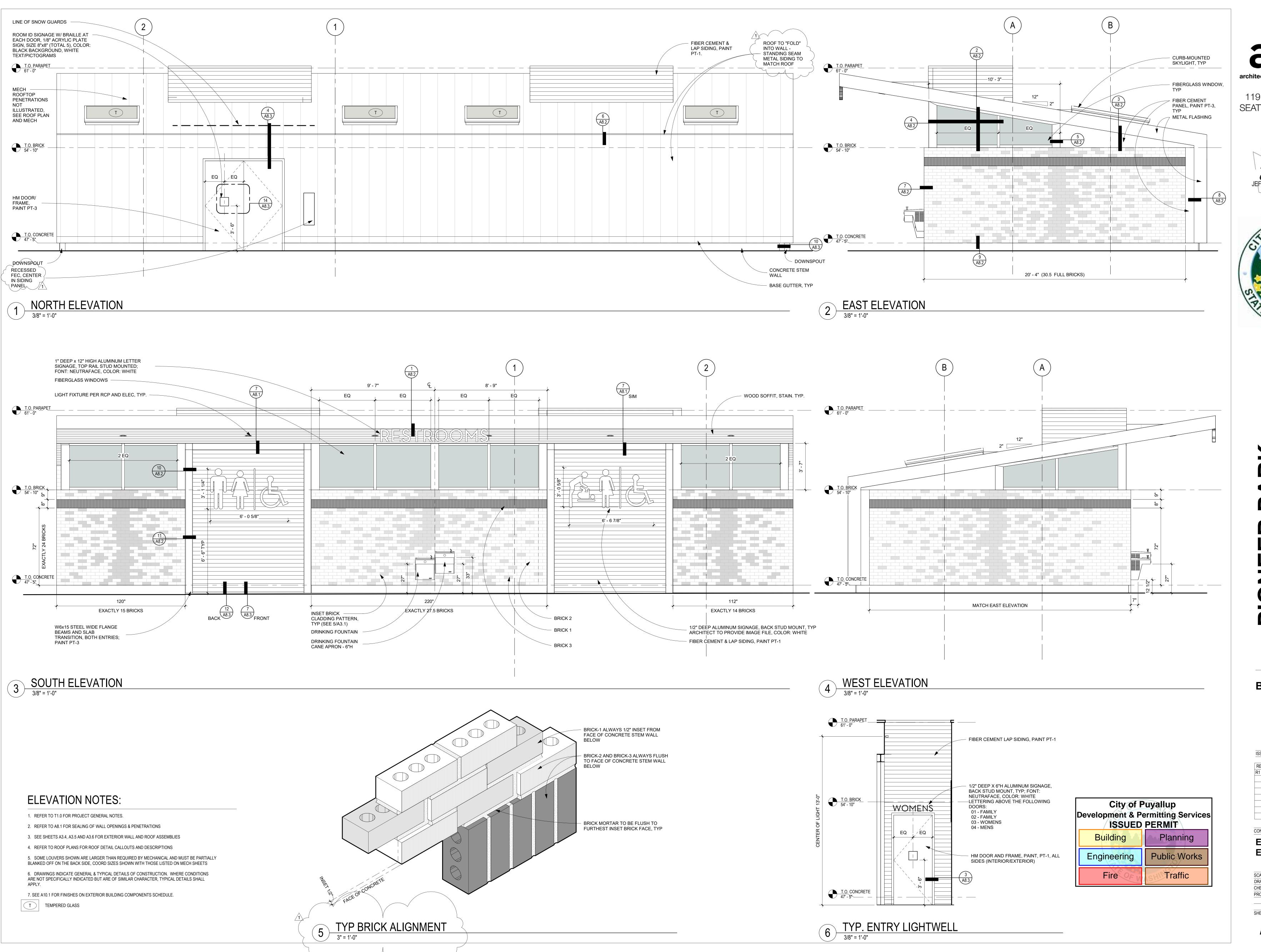
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 DRAWN:
 AP

 CHECKED:
 JW

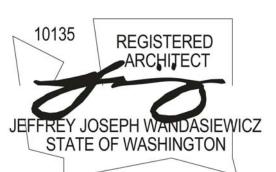
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A2.2



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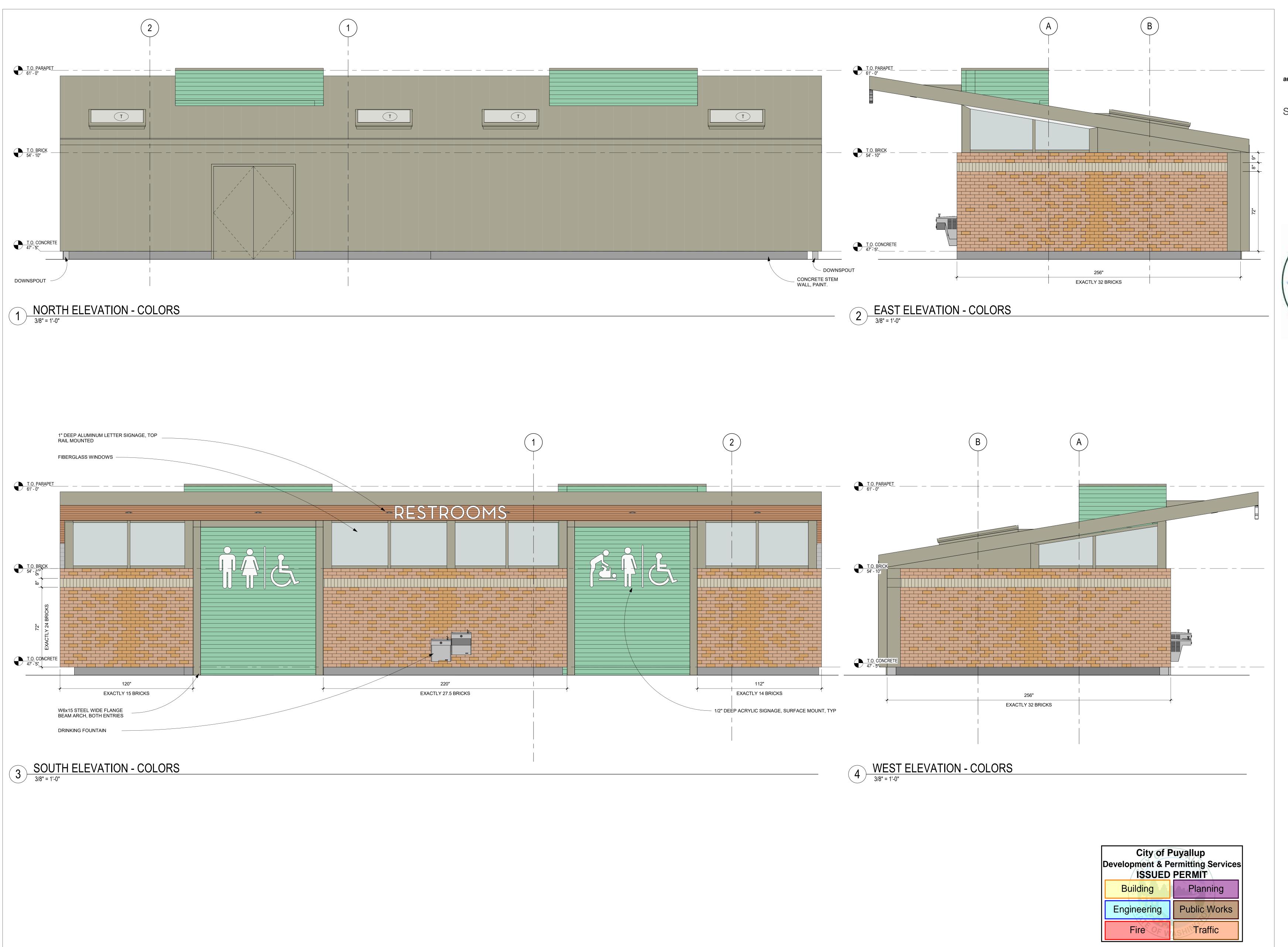
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REVISION DATE DESCRIPTION
R1 OCT. 7, 2022 PERMIT REVISIONS #1

EXTERIOR ELEVATIONS

SCALE: As indicated
DRAWN: AP
CHECKED: JW
PROJECT NO: 2021016.000

A3.1



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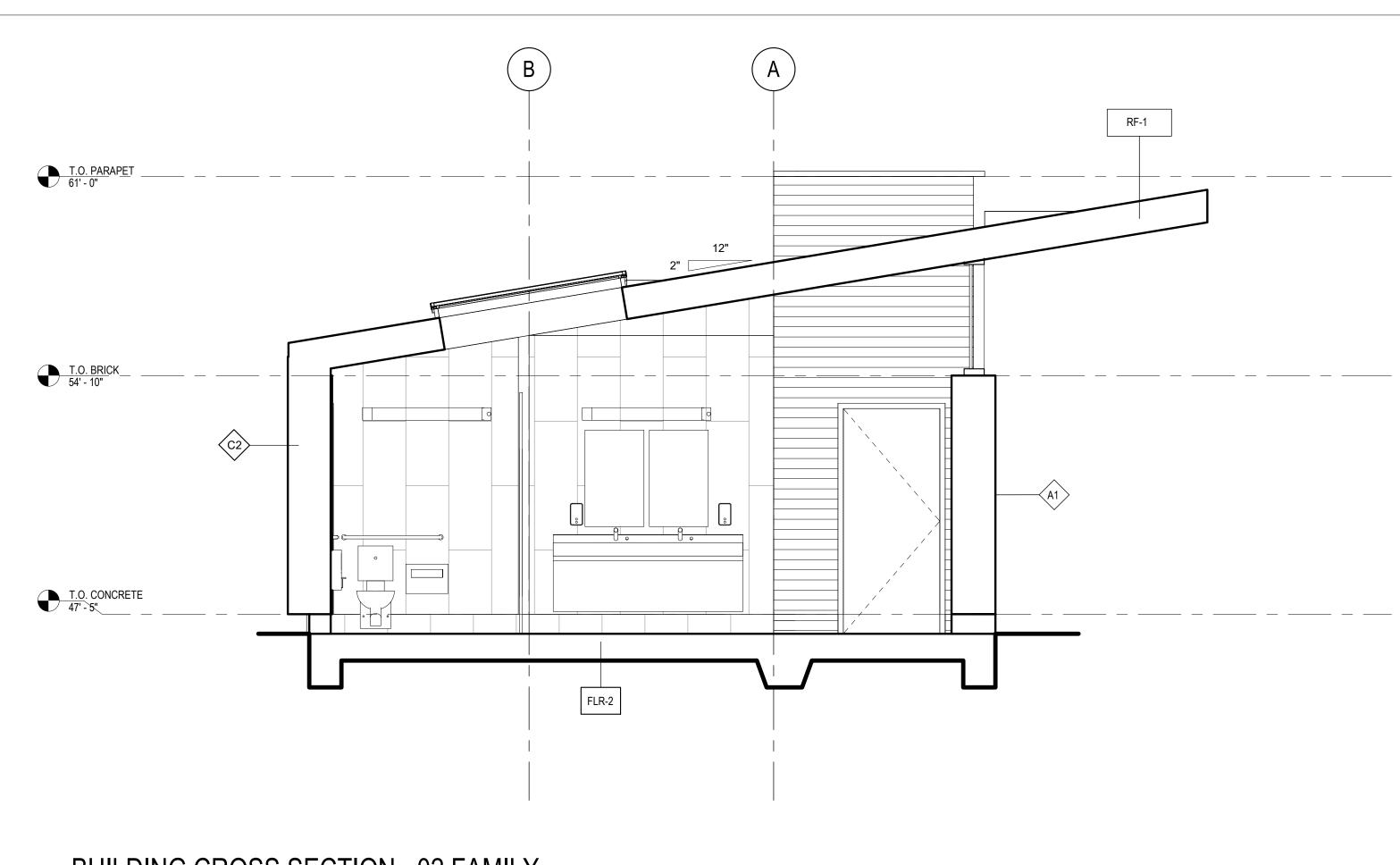


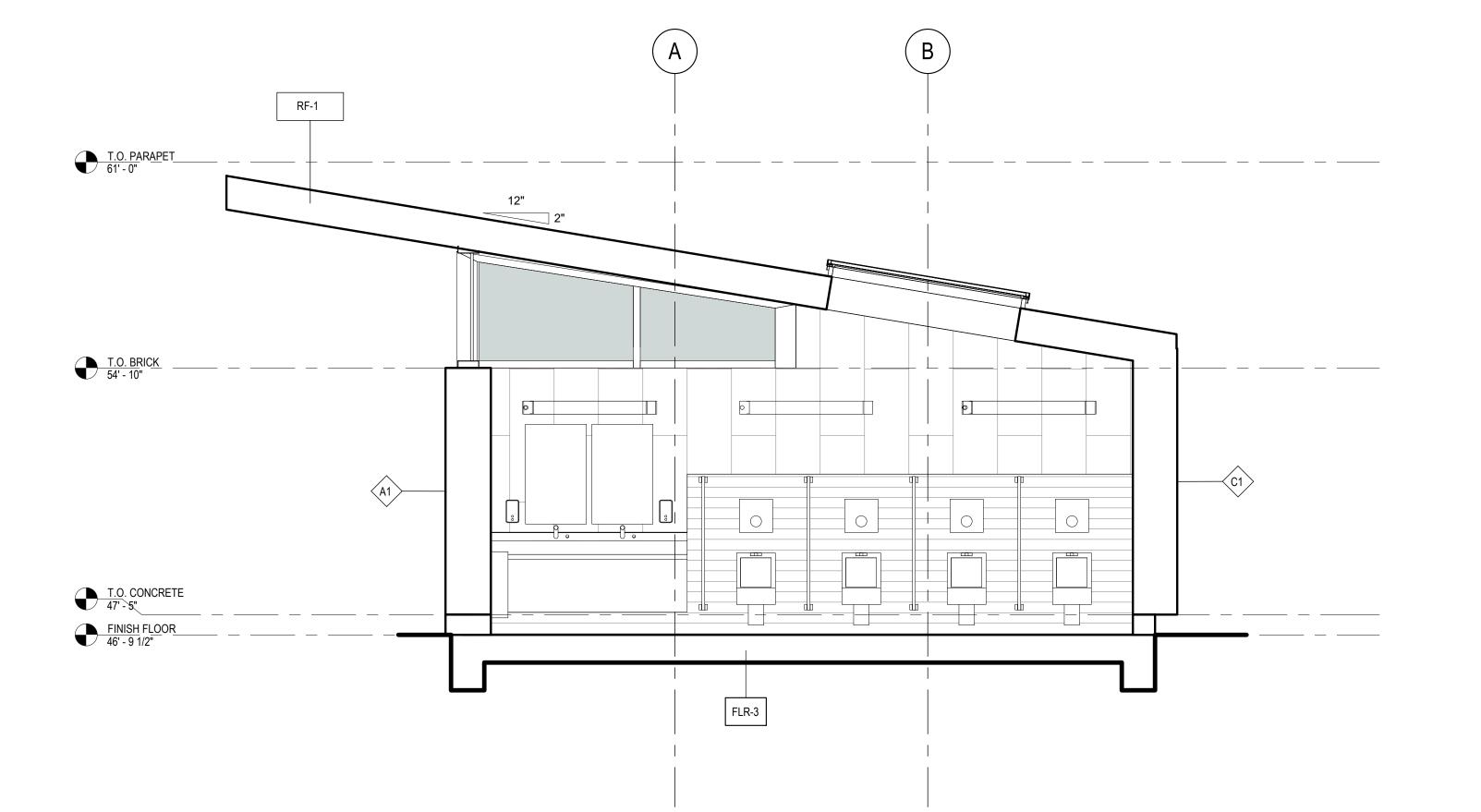
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ISSUE DATE:	DECEM	BER 15, 2022
REVISION	DATE	DESCRIPTION
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EXTE		NS -
EXTE ELEV	ATION	NS -
EXTE	ATION	NS -
EXTE ELEV COLC	ATION OR	NS -
EXTE ELEV COLO	ATION OR	
EXTE ELEV	ATION OR 3/8 AP JW)" = 1'-0"

A3.2



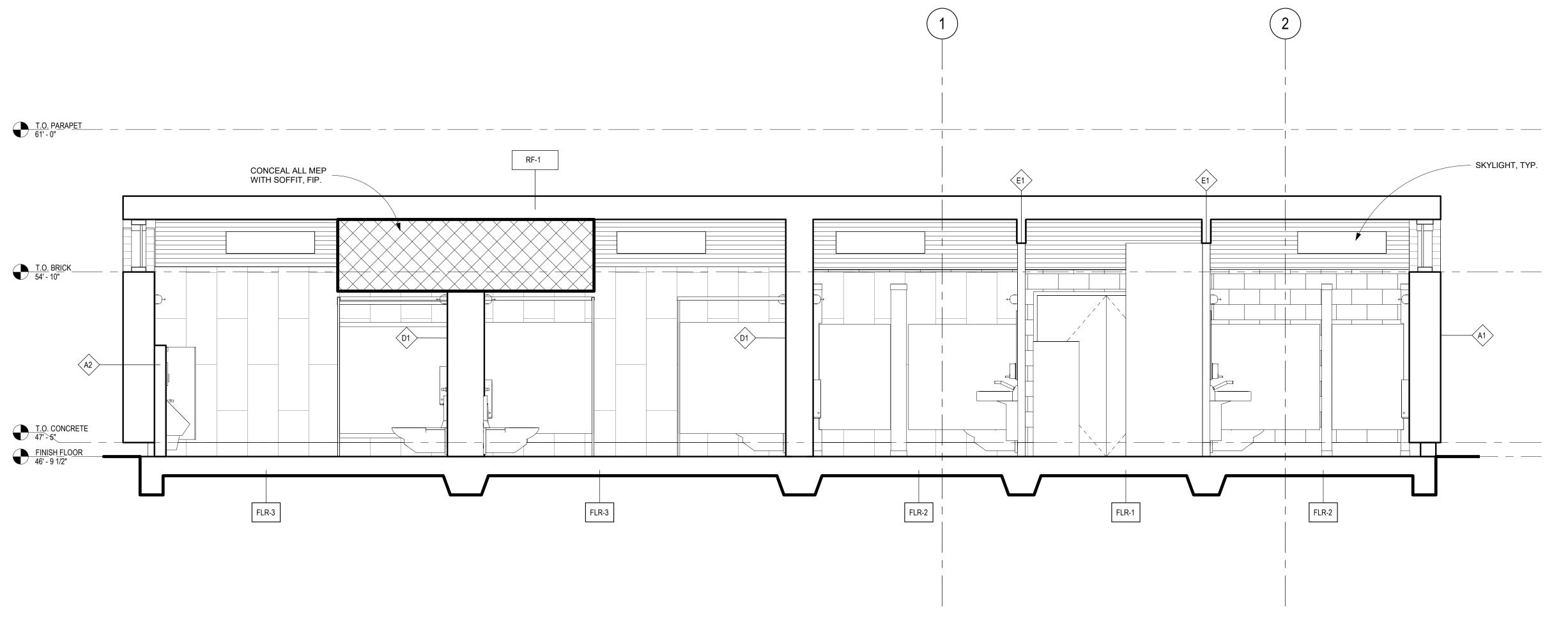


BUILDING CROSS SECTION - 02 FAMILY

1 RESTROOM 3/8" = 1'-0" BUILDING CROSS SECTION - 04 MEN'S

RESTROOM

3/8" = 1'-0"



BUILDING LONGITUDINAL SECTION

3/8" = 1'-0"

SECTION NOTES:

- 1. REFER TO STRUCTURAL FOR ADDITIONAL INFORMATION.
- 2. REFER TO DETAILS FOR LOCATIONS OF SPRAY FOAM AND RIGID INSULATION AT EXTERIOR WALLS
- 3. SEE EXT. & INT. ELEVATIONS FOR MATERIAL AND DETAIL CALLOUTS.

City of P Development & Po ISSUED	ermitting Services
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Engineering	Public Works
Fire OF W	Traffic



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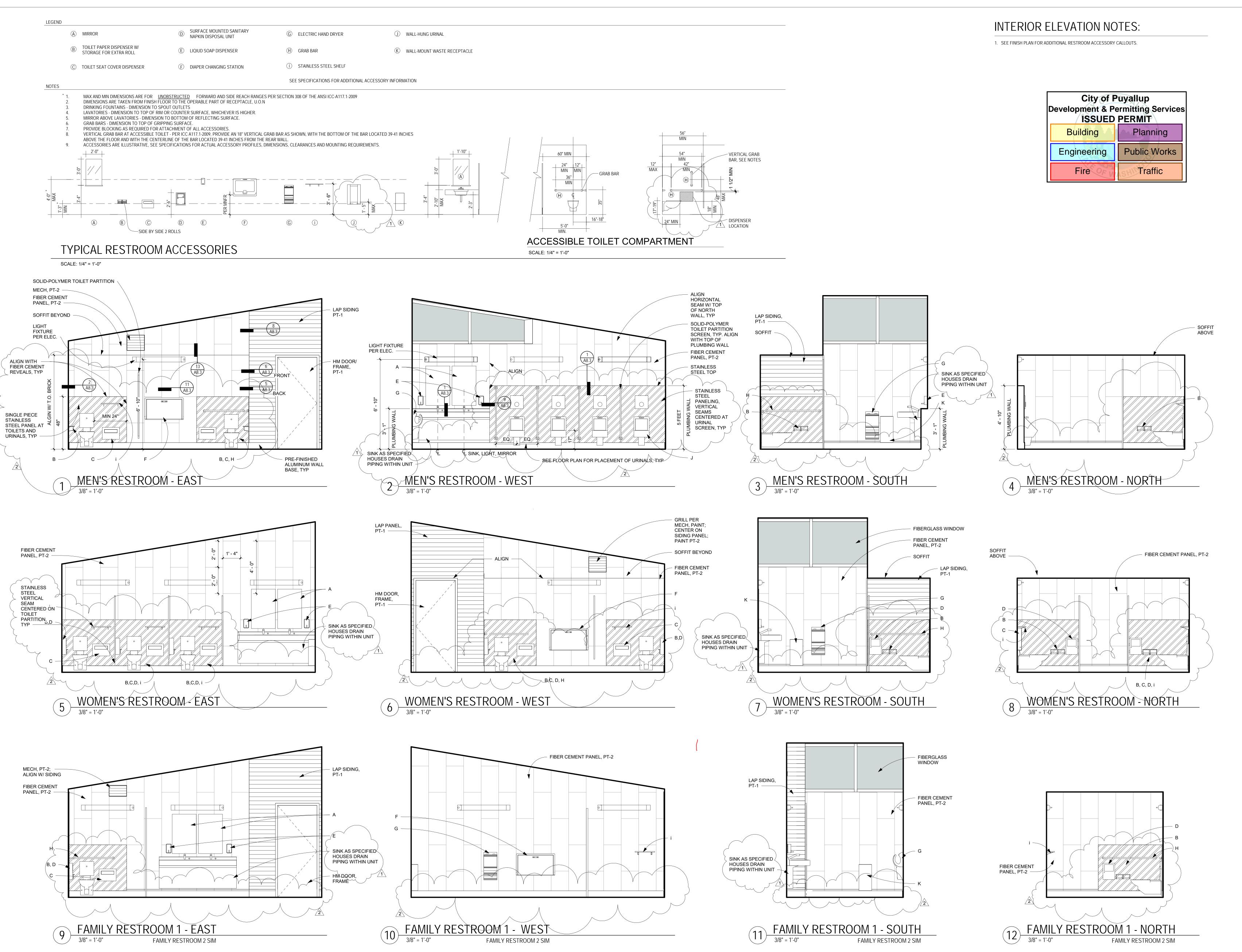
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ISSUE DATE:	DECEM	BER 15, 2022
REVISION	DATE	DESCRIPTION

BUILDING SECTIONS

SCALE: As indicated
DRAWN: AP
CHECKED: JW
PROJECT NO: 2021016.000

A3.3





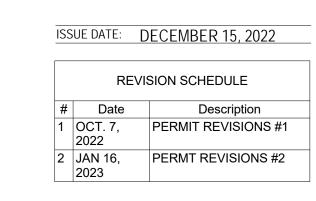
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NEER PARK STROOMS UPGRADE

BID SET



INTERIOR ELEVATIONS

SCALE: As indicated
DRAWN: AP
CHECKED: JW
PROJECT NO: 2021016.000

A5.1

CEILING PLAN NOTES:

- 1. REFER TO T1.0 FOR GENERAL NOTES.
- 2. SEE ELECTRICAL AND MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION, INCLUDING DEVICES AND EQUIPMENT NOT SHOWN ON THESE DRAWINGS.
- 3. REFER TO FINISH SCHEDULE FOR FINISHES INCLUDING, BUT NOT LIMITED TO THOSE AT
- 4. FOR EXTERIOR LIGHTING AND ELECTRICAL DEVICES NOT MOUNTED DIRECTLY TO EXTERIOR WALLS, CONDUITS ARE TO BE INSTALLED CONCEALED WITHIN THE ROOF FRAMING.

LEGEND

WOOD CEILING, STAIN STAGGER SEAMS MIN 2' APART, TYP.

ACCESS PANEL, PAINT PT-2

FRAMED FIBER CEMENT PANEL SOFFIT, ALIGN SEAM CONTINUOUS W/ ABUTTING WALL PANEL SEAMS, TYP; SEE INT ELEV. CEILING HEIGHT TO ALIGN W/ TOP OF HM DOOR FRAME (+/- 7'-2")

PT-1

PAINT COLOR

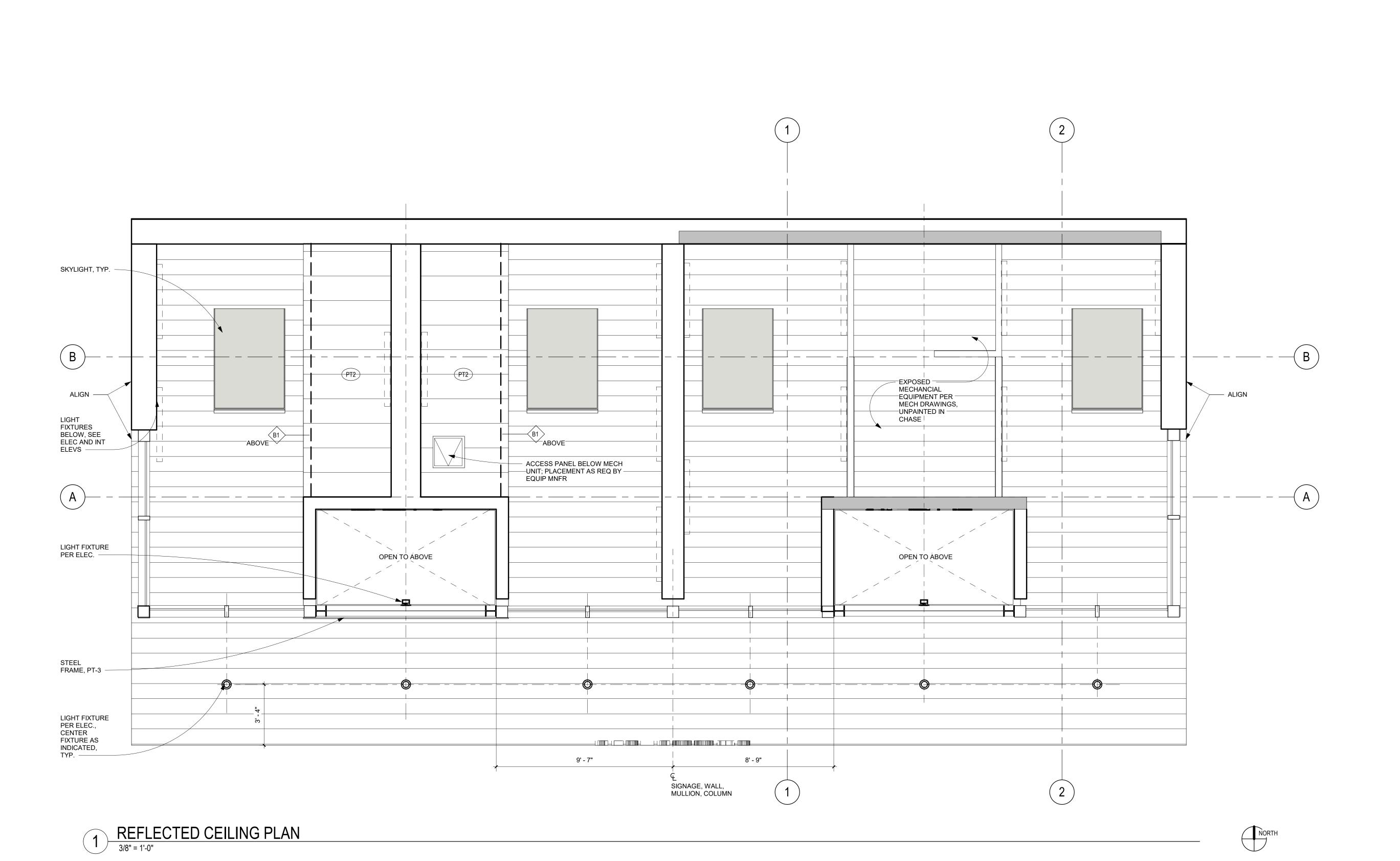
WALL SCONCE BELOW, SEE ELEC.; MOUNTING HEIGHT PER INT. ELEV, TYP

AREA OF CURB-MOUNTED SKYLIGHT, TEMPERED

WALL MOUNTED LIGHT FIXTURE; SEE ELEC, SECTIONS AND ELEVATIONS FOR MOUNTING

RECESSED LIGHT FIXTURE; CENTER FIXTURE PER PLAN; COORDINATE W/ FRAMING TO PRIORITIZE ZERO CONFLICTS BETWEEN LIGHT FIXTURE PLACEMENT AND CEILING FRAMING; SEE STRUCTURAL FOR

City of Puyallup Development & Permitting Services **ISSUED PERMIT** Building Planning Public Works Engineering Traffic



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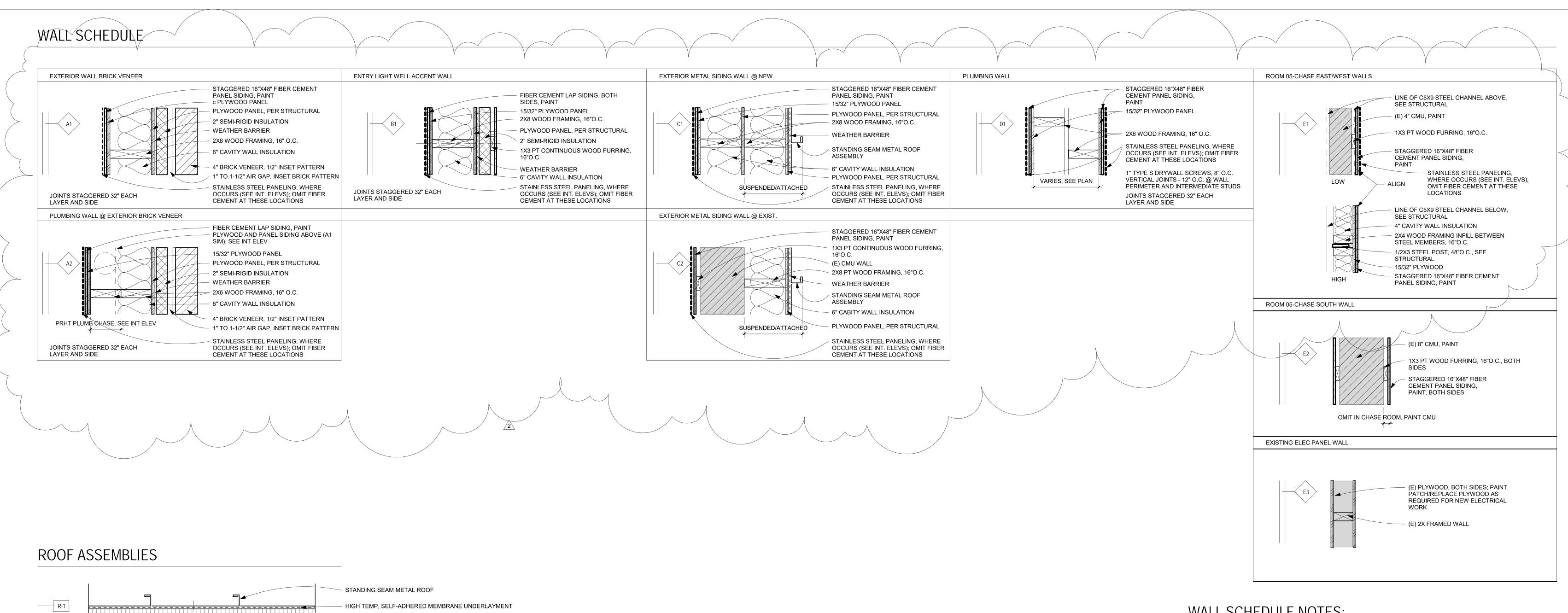


BID SET

ISSUE DATE: DECEMBER 15, 2022 REVISION DATE

REFLECTED CEILING PLAN

A6.1

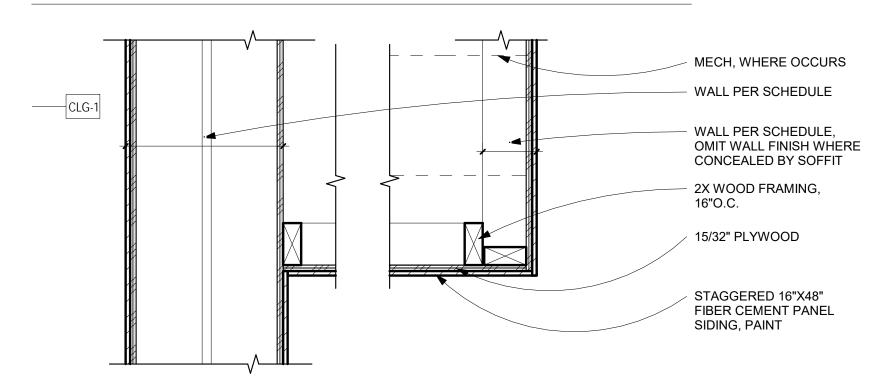


WALL SCHEDULE NOTES:

- 1. PLAN INDICATORS AND PARTITION TYPES ARE N.T.S.
- 2. SEE STRUCTURAL FOR LOAD BEARING AND SHEAR WALL LOCATIONS.
- 3. COORDINATE SHEARWALL LOCATIONS WITH PARTITION TYPES INDICATED.
- 4. ALL WALLS EXTEND TO BOTTOM OF ROOF FRAMING, U.O.N.
- 5. SEE A8.1 DETAILS FOR TYPICAL WEATHER BARRIER INSTALLATION AND PENETRATION DETAILS

CEILING ASSEMBLY @ SOFFIT

1' - 4" MAX



HIGH TEMP, SELF-ADHERED MEMBRANE UNDERLAYMENT

POLYISOCYANURATE INSULATION (R-38)

PLYWOOD SHEATHING, PER STRUCTURAL

GLULAM BEAMS, PER STRUCTURAL

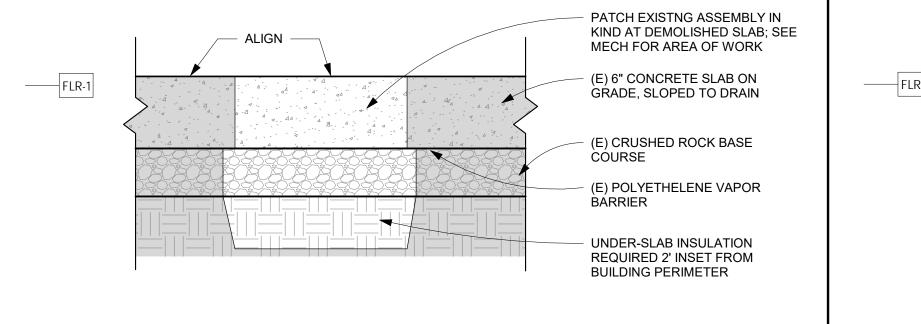
ASPHALT ROOFING AIR AND VAPOR BARRIER UNDERLAYMENT MEMBRANE (TEMPORARY ROOF)

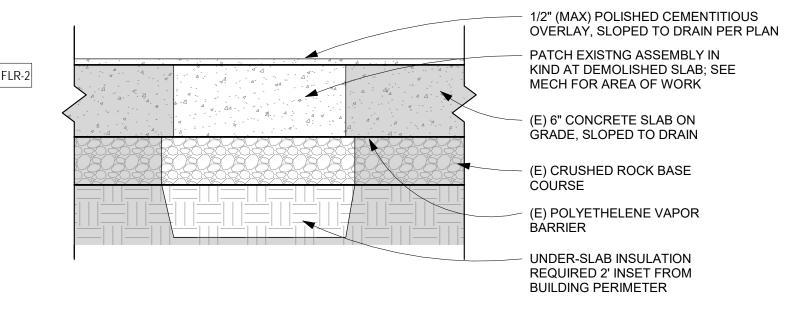
ROOF JOISTS BEYOND, PER STRUCTURAL; ADJUST SPACING FOR PLACEMENT OF LIGHTING; SEE RCP

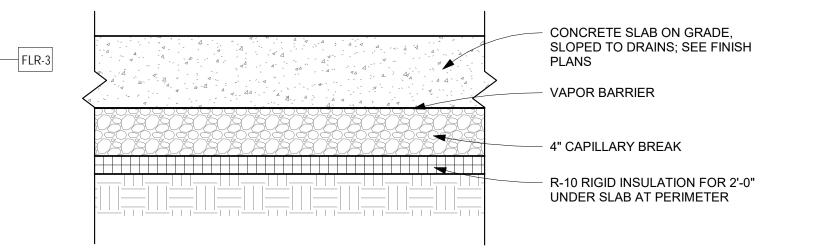
1X6 SHIPLAP WOOD SOFFIT, STAIN; STAGGER SEAMS 2'MIN

1X WOOD FURRING, 16"O.C.; FLUSH W/ BOTTOM FACE OF GLULAM, TYP

FLOOR ASSEMBLIES







City of Power of Powe	ermitting Services
Building	Planning
Engineering	Public Works
Fire OF W	Traffic



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ISS	SUE DATE:	DECEMBER 15, 2022		
	RE\	/ISION SCHEDULE		
#	Date	Description		
1	OCT. 7, 2022	PERMIT REVISIONS #1		
2	JAN 16, 2023	PERMT REVISIONS #2		

SCHEDULES

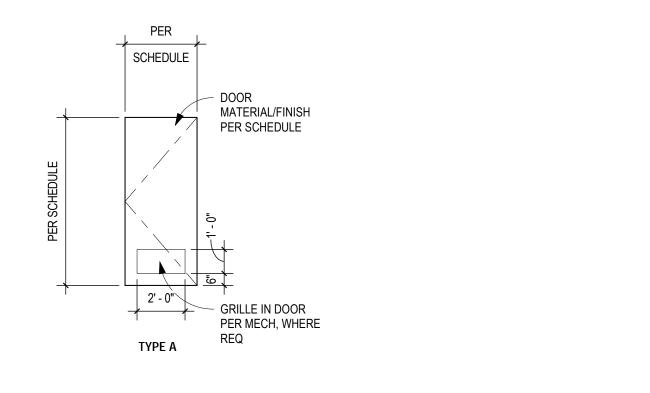
As indicated
AP
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)

					[DOOR SC	HEDUL	E			
			D	OOR				FRAN	ЛE		
ROOM NAME	NUMBER	TYPE	OPENING WIDTH	HEIGHT	MATERIAL	FINISH	TYPE	MATERIAL	FINISH	PAIR (Y/N)	COMMENTS
									I		
FAMILY RESTROOM 1	1	Α	3' - 0"	7' - 0"	HM	PT	1	HM	PT (PT-1)	N	HARDWARE SET 2
FAMILY RESTROOM 2	2	Α	3' - 0"	7' - 0"	HM	PT	1	НМ	PT (PT-1)	N	HARDWARE SET 2
WOMEN'S RESTROOM	3	Α	3'_0"	7' - 0"	НМ	PŢ	1	HM	PT (PT-1)	N	HARDWARE SET 2
MEN'S RESTROOM	4	A	3' - 0"	7' - 0"	HM	PΤ	1	HM	PT (PT-1)	N	HARDWARE SET 2
CHASE	5	A	6' - 0"	7' - 0"	HM	PT	(E)	HM (E)	PT (PT-4)	Υ	HARDWARE SET 1, FIELD VERIFY DIMS

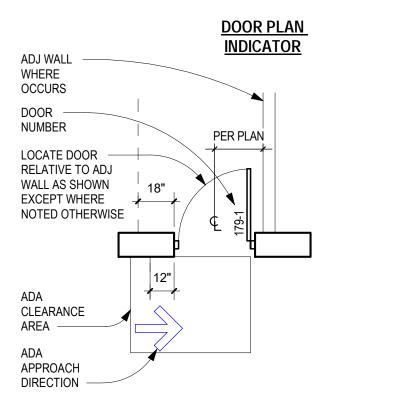
DOOR HARDWARE SCHEDULE

HARD	WARE GRO	OUP 1			
QT	UNIT	ITEM	MODEL	MANUFACTURER	
6	EA	HINGE	5BB1HW 4.5 X 4.5	IVE	
1	EA	ENTRANCE LOCK	L9456L 06A 626	SCH	
1	EA	MORTISE CYLINDER	1E SERIES	BES	
1	EA	MORTISE CYLINDER	20-001 TEMP CONSTRUCTION	SCH	
1	EA	KICKDOWN HOLDER	FS452	IVE	
6	EA	SILENCER	SR64	IVE	
2	EA	DOOR BOTTOM	314CN	PEM	
1	EA	THRESHOLD	2727D	PEM	
2	EA	KICK PLATE	8400 10" X 30" LDW	IVE	
2	EA	SURFACE CLOSER	4041 X ST1630 ACTIVE LEAF	LCN	
HARD	WARE GRO	OUP 2			
QT	UNIT	ITEM	MODEL	MANUFACTURER	
3	EΑ	HINGE	5BB1HW 4.5 X 4.5	IVE	
1	EA	ENTRANCE LOCK	64-8225 SPL LNA 32D, LESS OUTSIDE LEVER; EXIT DEADLOCK)	SAR	\sim
1	EA	MORTISE CYLINDER	1E SERIES	BES	
1	EA	MORTISE CYLINDER	20-001 TEMP CONSTRUCTION	SCH	
1	EA	KICKDOWN HOLDER	FS452	IVE	
3	EA	SILENCER	SR64	IVE	
1	EA	DOOR BOTTOM	314CN	PEM	
1	EA	THRESHOLD	2727D	PEM	
1	EA	KICK PLATE	8400 10" X 30" LDW	IVE	
1	EA	SURFACE CLOSER	4041 X ST1630 ACTIVE LEAF	LCN	
1	EA	ELECTRICAL	3510 POWER SUPPLY, 310-3-1 32D FAIL SECURE 24VCD ELEC. STRIKE, FOLGER ADAM	SAR	
1	EA	PUSH/PULLS	3357 10" CTC 5" OFFSET 2-1/2" PROJECTION, 32D FINISH	TIC	
HARDI	MARE ARE	BREVIATIONS:			
1.		I.B. IVES			
2.		SCHLAGE			
3.		MEDECO KEYMARK			
4.		VON DUPRIN			
4. 5.	LCN - L				
6.		GLY-JOHNSON			
7.		PEMCO			
7. 8.		SARGENT			
o. 9.		SARGENT TICE INDUSTRIES, INC. (POF	OTI AND ODECONI)		
9. 10.		- BEST ACCESS SYSTEMS	TLAND, OILGON)		
IU.	BE91 -	- DEST ACCESS STSTEMS	Λ		1

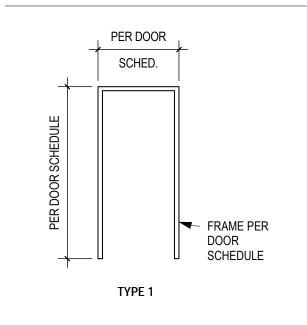
DOOR TYPE SCHEDULE



DOOR PLAN INFO



FRAME TYPE SCHEDULE



(E) = EXISTING

HM = HOLLOW METAL

AL = ALUMINUM

FG = FIBERGLASS

DOOR & FRAME FINISH:

FF = FACTORY FINISHED

ST = STAIN CL = CLEAR FINISH

PT = METAL, FIELD PAINTED ANOD = ANODIZED

GL=GLASS

GENERAL NOTES

NA = NOT APPLICABLE
PH = PANIC HARDWARE/EXIT DOOR
VIF= VERIFY OPENING WIDTH IN FIELD

4. THE OPENING AND CLOSING FORCE OF ALL INTERIOR SWINGING OR SLIDING DOORS WITH OR WITHOUT CLOSERS SHALL REQUIRE NO GREATER THAN 5 POUNDS OF FORCE TO MEET ACCESSIBILITY REQUIREMENTS DESCRIBED IN ANSI A117.1-2009.

5. REFER TO ELECTRICAL DRAWINGS FOR ACCESS CONTROL, AND SIMILAR SECURITY DEVICES AT DOORS.

1. SEE EXTERIOR ELEVATIONS FOR DOOR FRAME DETAIL CALLOUTS.

2. TO DETERMINE FRAME DEPTH, SEE PARTITION SCHEDULE FOR WALL CONSTRUCTION AND STRUCTURAL DRAWINGS FOR PLYWOOD SHEATHING THICKNESS AND LOCATIONS. 3. REFER TO FINISH HARDWARE SPECIFICATIONS FOR ADDITIONAL INFORMATION.

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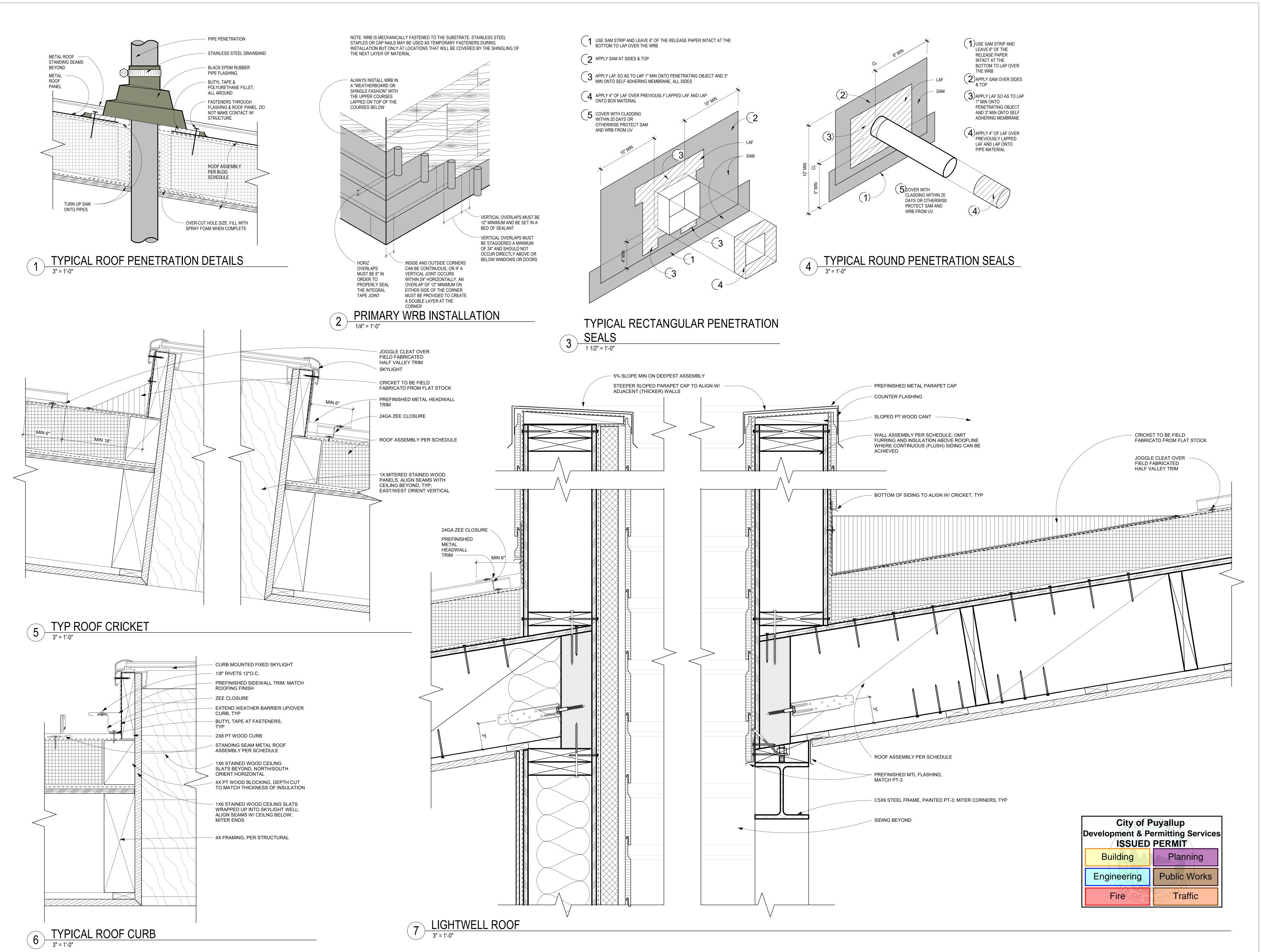
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REVISION	DATE	DESCRIPTIO
R1	OCT. 7, 2022	PERMIT REVISIO

SCHEDULES

SCALE:	1/4" = 1'-0"
DRAWN:	AP
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PROJECT NO:	2021016.000

A7.2





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ONEER PARK ESTROOMS UPGRADE

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DETAILS

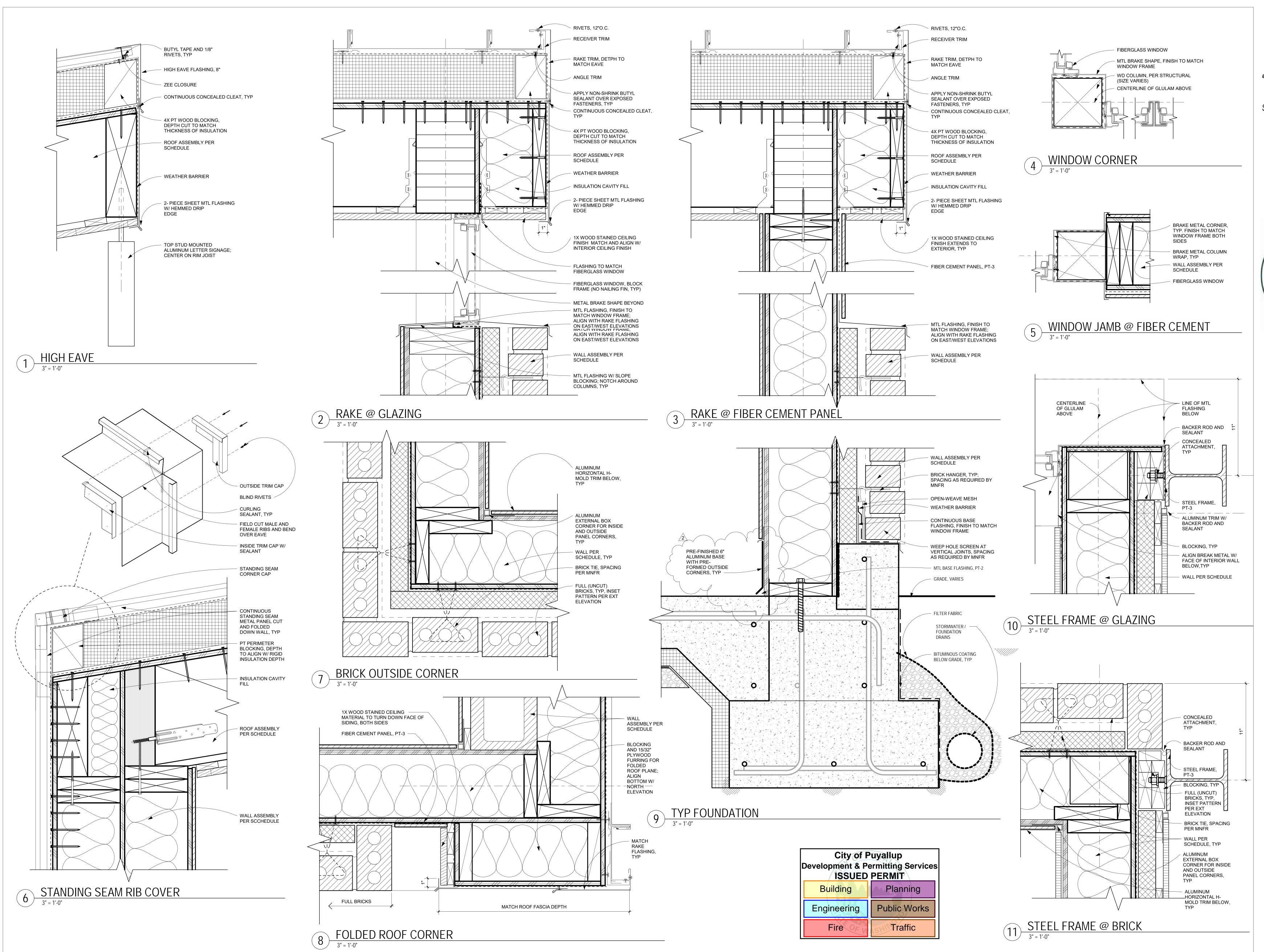
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PROJECT NO: 2021016.000

A8.1



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Date Description
1 OCT. 7, PERMIT REVISIONS #1
2022
2 JAN 16, 2023
PERMIT REVISIONS #2

CONTENTS:

DETAILS

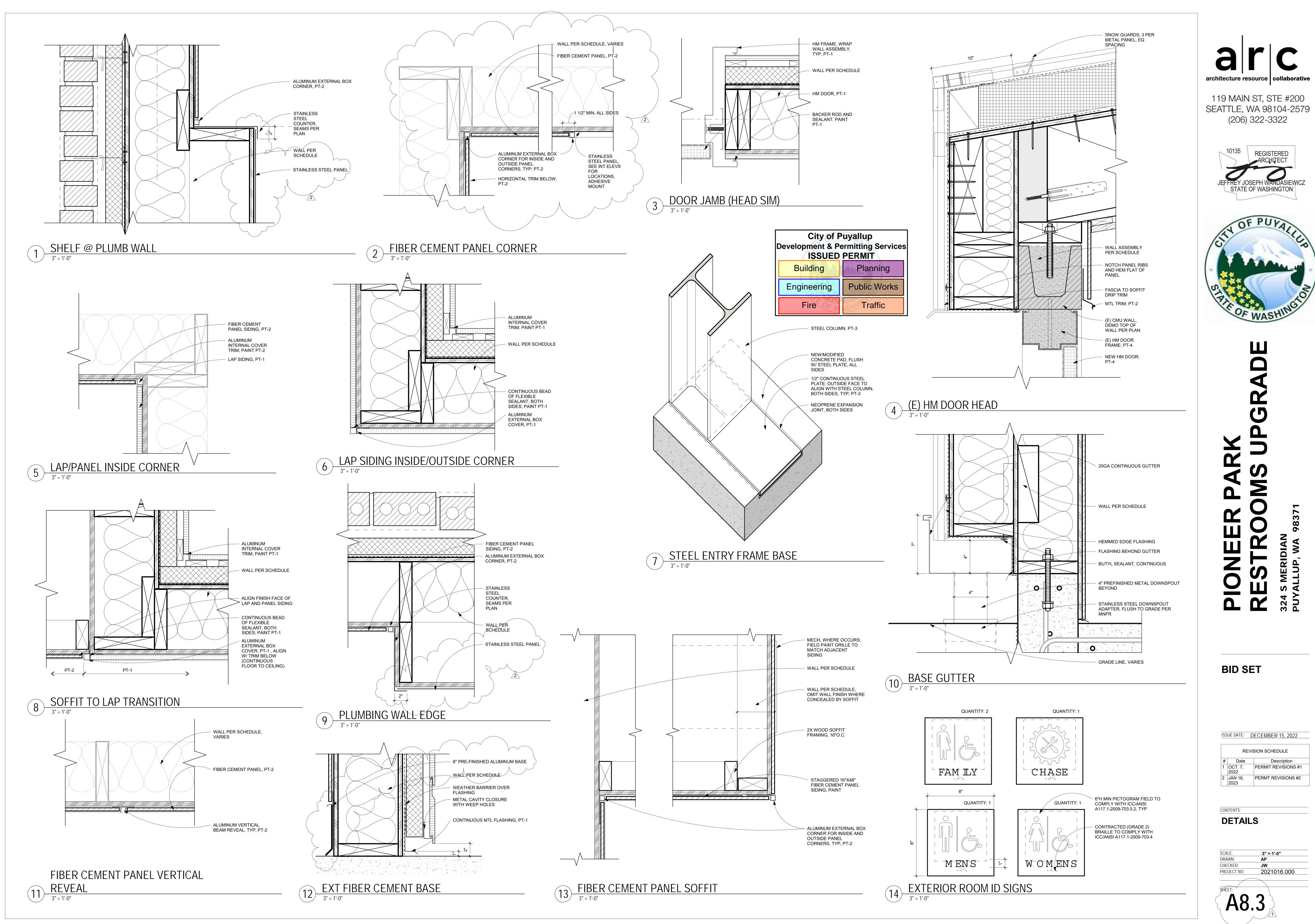
 SCALE:
 3" = 1'-0"

 DRAWN:
 AP

 CHECKED:
 JW

 PROJECT NO:
 2021016.000

A8.2



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STATE OF WASHINGTON

BID SET

ISSUE DATE: DECEMBER 15, 2022

REVISION SCHEDULE

1 OCT. 7, PERMIT REVISIONS #1

2 JAN 16, PERMT REVISIONS #2

2021016.000

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PROJECT NO:

A8.3

DETAILS

City of Puyallup
Development & Permitting Services
ISSUED PERMIT
Building Planning
Engineering Public Works
Fire Traffic



119 MAIN ST, STE #200 SEATTLE, WA 98104-2579 (206) 322-3322





IONEER PARK ESTROOMS UPGRADE

BID SET

ISSUE DAT	E: DECEM	IBER 15, 2022
	DLOLIV	IDEN 10, 2022
REVISION	DATE	DESCRIPTION
R1	OCT. 7, 2022	PERMIT REVISIONS #

FINISH PLAN

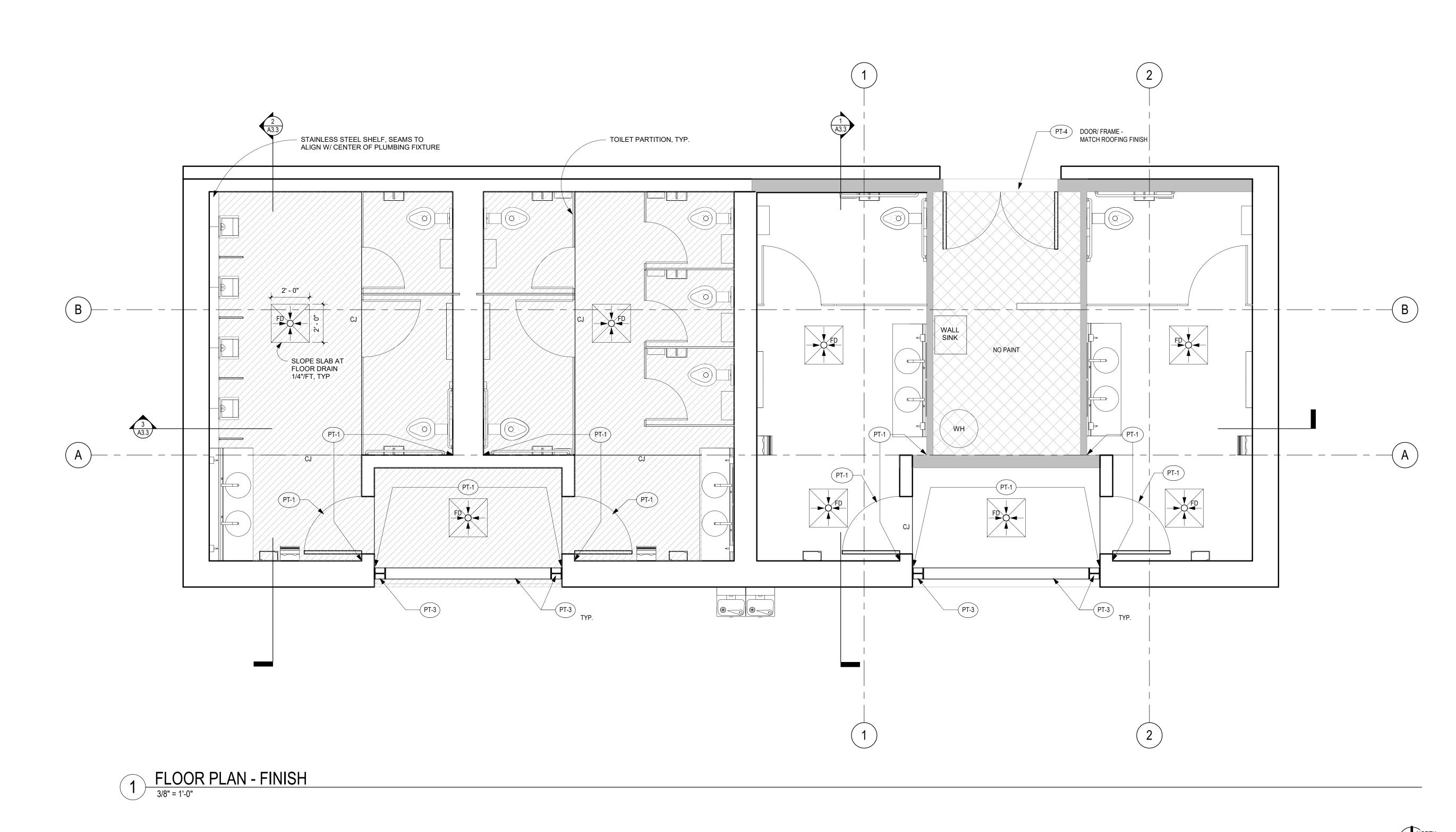
 SCALE:
 As indicated

 DRAWN:
 AP

 CHECKED:
 JW

 PROJECT NO:
 2021016.000

A10.1





1. ONLY EXPOSED CONTROL AND ISOLATION JOINTS SHOWN IN THESE PLANS; SEE STRUCTURAL FOR ADDITIONAL ISOLATION, CONSTRUCTION, AND CONTRACT JOINT INFORMATION.

2. INTERIOR FIBER CEMENT PANELING TO BE PT-2, U.N.0.

3. SEE EXTERIOR ELEVATIONS FOR FINISH DESIGNATIONS. SEE INTERIOR ELEVATIONS AND REFLECTED CEILING PLAN FOR ADDITIONAL INTERIOR FINISH DESIGNATIONS.

4. SEE INTERIOR ELEVATIONS FOR TOILET ACCESSORY CALLOUTS

5. WALLS AND PARTITIONS WITHIN 2 FEET OF SERVICE SINKS, URINALS AND WATER CLOSETS ARE SPECIFIED WITH A SMOOTH, HARD, NONABSORBENT SURFACE (EXTERIOR FIBER CEMENT SIDING), TO A HEIGHT OF NOT LESS THAN 4 FEET ABOVE THE FLOOR, AND EXCEPT FOR STRUCTURAL ELEMENTS, THE MATERIAL IS NOT ADVERSELY AFFECTED BY MOISTURE, TO COMPLY WITH IBC 2018-1209.2.2.

FINISH SCHEDULE:

PAINT NUMBER SCHEDULE
PT-1 SHERWIN WILLIAMS "SW 6725 PICKLE" (GREEN)
PT-2 SHERWIN WILLIAMS "SW 6525 RARIFIED AIR" (WHITE)
DT 3 SHERWIN WILLIAMS "SW 7744 ZELIS" (FIREDOLASS WINDOW FE

PT-3 SHERWIN WILLIAMS "SW 7744 ZEUS" (FIBERGLASS WINDOW FRAME GREY)
PT-4 SHERWIN WILLIAMS "SW 2826 COLONIAL REVIVAL GREEN STONE" (METAL ROOFING GREY)

BRICK-1 MUTUAL MATERIALS "IMPERIAL RED SMOOTH"
BRICK-2 MUTUAL MATERIALS "INCA RUG"
BRICK-3 (SOLIDER BRICK) MUTUAL MATERIALS "IVORY MISSION"
ROOFING, GUTTERS, DOWNSPOUTS, ROOF FLASHINGS

AEP SPAN "COOL PEBBLE" (SRI: 48 • LRV: 27)

FIBERGLASS WINDOWS, WINDOW BRAKE METAL, WINDOW FLASHINGS
MARVIN WINDOWS ULTREX® PULTRUDED FIBERGLASS EXTERIOR FINISH "PEBBLE GRAY"

WOOD STAIN
BENJAMIN MOORE ARBORCOAT STAIN-TRANSLUCENT FLAT (W623) "NATUAL ES-10"

SCRANTON PRODUCTS SOLIDS HPDE PLASTIC "FOSSIL, ORANGE PEEL FINISH"

FINISH LEGEND:

PT PAINT LOCATIONS

NEW CONCRETE SLAB POLISH FINISH

PATCH/ POLISH (E) CAST-IN-PLACE CONCRETE SLAB

1/2" MAX TOPPING OVER EXISTING SLAB ON GRADE, POLISH

CJ CONTROL JOINT

STRUCTURAL NOTES

DESIGN LOADS

ALL DESIGN AND CONSTRUCTION SHALL CONFORM TO THE REQUIREMENTS OF THE INTERNATIONAL BUILDING CODE (IBC), 2018 EDITION, AS AMENDED BY THE CITY OF PUYALLUP, ALTERATIONS TO THE EXISTING BUILDING ARE IN ACCORDANCE WITH THE INTERNATIONAL EXISTING BUILDING CODE (IEBC) AND THE PRESCRIPTIVE COMPLIANCE METHOD.

MINIMUM ROOF UNIFORM DESIGN LOAD 25 PSF (PER THE SEAW SNOW LOAD ANALYSIS FOR WASHINGTON AND THE WABO/SEAW LIASON COMMITTEE WITH PAPER 8-2010, FOR LOW LYING AREA BETWEEN THE CASCADES AND THE COASTAL MOUNTAINS OF WESTERN WASHINGTON).

THE SEISMIC FORCE-RESISTING SYSTEM (SFRS) USED TO RESIST EARTHQUAKE AND WIND LOADS IS COMPRISED OF PLYWOOD SHEAR WALLS. EARTHQUAKE DESIGN IS BASED ON THE EQUIVALENT LATERAL FORCE PROCEDURE IN ASCE 7 SECTION 12.8 WITH THE FOLLOWING FACTORS:

h _n =	12 FT
T =	0.13 SECONDS
R =	6.5
Ω =	3
ρ =	1.0
C _s =	0.156
V =	$C_sW = 9.0 KIPS$
	T = R = Ω = ρ = C _s =

THE SEISMIC FORCE-RESISTING SYSTEM IS COMPRISED OF THE STRUCTURAL WOOD MEMBERS AND CONNECTIONS IDENTIFIED IN PLAN AND ON THE WALL ELEVATIONS.

WIND LOAD IS DETERMINED USING CHAPTERS 26-31 OF ASCE 7 IN ACCORDANCE WITH IBC SECTION 1609 WITH THE FOLLOWING FACTORS:

RISK CATEGORY II $K_{zt} = 1.00$ EXPOSURE CATEGORY C $K_e = 1.00$ $G_{cpi} = 0.18$ V = 110 MPH $V_{asd} = 85 MPH$

DESIGN WIND PRESSURES FOR DETERMINING FORCES ON COMPONENTS AND CLADDING SHALL BE DETERMINED USING CHAPTER 30 OF ASCE 7 IN ACCORDANCE WITH IBC SECTION 1609 BY THE WASHINGTON STATE REGISTERED PROFESSIONAL ENGINEER WHO IS RESPONSIBLE FOR THE DESIGN OF SUCH ELEMENTS, UNLESS NOTED OTHERWISE ON THE DRAWINGS.

STORY DRIFTS
THE MAXIMUM LATERAL DISPLACEMENTS WITH RESPECT TO THE LEVEL BELOW (STORY DRIFTS) ARE AS FOLLOWS:

INELASTIC STORY DRIFT = 1 % OF STORY HEIGHT ELASTIC STORY DRIFT = INELASTIC STORY DRIFT DIVIDED BY C_d/I_e, WHERE C_d/I_e = 4

STORY DRIFT = 1 % OF STORY HEIGHT

ALLOWABLE SOIL-BEARING PRESSURE 1500 PSF DL + LL

GENERAL NOTES

2000 PSF DL + LL + SEISMIC/WIND

SHOP DRAWINGS SHALL BE SUBMITTED TO THE ARCHITECT 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, GLUED-LAMINATED MEMBERS, AND CLADDING PANELS.

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.

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 SMALL BE SUBMITTED TO THE ARCHITECT AND THE

BUILDING DEPARTMENT FOR REVIEW PRIOR TO FABRICATION.

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 ENGINEER.

DESIGN, DETAILING AND CONSTRUCTION OF ALL NONSTRUCTURAL COMPONENTS WHICH ATTACH TO STRUCTURE SHALL ACCOMMODATE CONSTRUCTION TOLERANCES AS ESTABLISHED BY THE STRUCTURAL SPECIFICATIONS. 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 ±1/2 INCH DUE TO VARIABLE LIVE LOADS ELASTIC STORY DRIFT PER "STORY DRIFT" SECTION ABOVE

IN ADDITION, NONSTRUCTURAL COMPONENTS ATTACHED TO MORE THAN ONE LEVEL SHALL ACCOMMODATE AN INELASTIC STORY DRIFT PER "STORY DRIFT" SECTION ABOVE WITHOUT CREATING A LIFE SAFETY HAZARD.

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. SOIL COMPACTION SHALL BE SUPERVISED BY AN APPROVED TESTING AGENCY OR

GEOTECHNICAL ENGINEER.

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:

PLYWOOD SHEAR WALLS

STRUCTURAL OBSERVATIONS IN ADDITION TO THOSE REQUIRED BY IBC SECTION 1704.6 MAY BE PERFORMED AT THE ENGINEER'S DISCRETION.

SPECIAL CONDITIONS CONTRACTOR SHALL VERIFY ALL LEVELS, DIMENSIONS, AND EXISTING CONDITIONS IN THE FIELD BEFORE PROCEEDING. CONTRACTOR SHALL NOTIFY THE ARCHITECT 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 ARCHITECT BEFORE PROCEEDING. DIMENSIONS NOTED AS PLUS OR MINUS (±) INDICATE UNVERIFIED DIMENSIONS AND ARE APPROXIMATE. NOTIFY ARCHITECT IMMEDIATELY OF CONFLICTS OR EXCESSIVE VARIATIONS

DIMENSIONS--DO NOT SCALE DRAWINGS. DIMENSIONS OF EXISTING CONDITIONS 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

FROM INDICATED DIMENSIONS. NOTED DIMENSIONS TAKE PRECEDENCE OVER SCALED

SHALL NOT BE REMOVED UNTIL ALL FINAL CONNECTIONS HAVE BEEN COMPLETED IN ACCORDANCE WITH THE DRAWINGS AND MATERIALS HAVE ACHIEVED DESIGN STRENGTH CONTRACTOR SHALL BE RESPONSIBLE FOR ALL SAFETY PRECAUTIONS AND THE METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES REQUIRED TO PERFORM THE WORK.

<u>SOILS</u>
EARTHWORK MATERIAL, BACKFILL AND COMPACTION SHALL BE IN ACCORDANCE WITH THE EARTHWORK SPECIFICATION. ALL TOPSOIL ORGANICS AND LOOSE SURFACE SOIL SHALL BE REMOVED FROM BENEATH FILL SUPPORTING CONCRETE SLABS OR PAVING.

SLABS ON GRADE SHALL BE UNDERLAIN BY A CAPILLARY BREAK OF AT LEAST 4 INCHES OF 5/8" CLEAN CRUSHED ROCK (LESS THAN 3 PERCENT FINES PASSING NO. 200 SIEVE) COMPACTED TO A FIRM AND UNYIELDING CONDITION. THE CAPILLARY BREAK SHALL BE PLACED ON A SUBGRADE THAT HAS BEEN COMPACTED TO A DENSE AND UNYIELDING

CONCRETE

CONCRETE WORK SHALL CONFORM TO ALL REQUIREMENTS OF IBC CHAPTER 19.

<u>CONCRETE MIXTURES</u> CONCRETE MIXTURES SHALL CONFORM TO THE FOLLOWING REQUIREMENTS:

	CONCRETE MIXTURES						
f'c	TEST AGE			EXPOSURE CLASS		USE	
(PSI)	(DAYS)	F	S	W	С		
3,000	28	F0	S0	W0	C0	SLAB-ON-GRADE, CURBS AND PADS	
4,000	28	F0	S0	W0	C0	FOUNDATIONS, CONCRETE WALLS	

. SLAB MIXES SHALL HAVE A TARGET SLUMP OF 6".

2. ALL FLATWORK HALL HAVE THE FOLLOWING SHRINKAGE LIMIT, MEASURED 28 DAYS FROM COMPLETION OF CURING: 0.035 PERCENT OR A MAXIMUM ALLOWABLE WATER CONTENT OF 255 LBS PER CUBIC YARD.

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.

CONCRETE MIXTURES SHALL CONFORM TO THE MOST STRINGENT REQUIREMENTS FOR

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. 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 2 WEEKS PRIOR TO PLACING ANY CONCRETE. THE MIX DESIGN SHALL BE IN CONFORMANCE WITH ACI 318, CHAPTER 19. THE SUBMITTAL SHALL INDICATE WHERE FACH 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.

F THE AIR TEMPERATURE WILL EXCEED 75 DEGREES F WITHIN 48 HOURS OF PLACING CONCRETE, A MOIST CURE SHALL BE APPLIED TO THE CONCRETE FOR A PERIOD OF 36 HOURS AFTER FINISHING CONCRETE SURFACES. REFER TO THE PROJECT SPECIFICATIONS

REINFORCING STEEL DEFORMED BARS

HEADED DEFORMED BARS

FOR CURING REQUIREMENTS.

ASTM A 615, GRADE 60 ASTM A 970, HEAD TYPE HA

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

REINFORCING STEEL SHALL HAVE PROTECTION AS FOLLOWS, UNLESS NOTED OTHERWISE:

COVER PER DETAILS <u>USE</u> NONSTRUCTURAL SLAB-ON-GRADE WALL BARS: INTERIOR FACES EXPOSED TO EARTH OR WEATHER 1 1/2" (#5 AND SMALLER) (#6 AND LARGER) (CAST AGAINST EARTH) TOP BARS (#6 AND LARGER WHERE EXPOSED TO EARTH OR SIDE BARS

BASE PLATE GROUT SHALL BE NONSHRINK TYPE WITH MINIMUM f'c = 8,000 PSI. ALL OTHER NONSHRINK GROUT SHALL HAVE MINIMUM f'c = 5,000 PSI.

ANCHORS

PROVIDE POST-INSTALLED ANCHORS PER THE FOLLOWING SCHEDULE UNLESS NOTED

	ANCHORS IN CONCRETE	
ANCHOR TYPE	APPROVED ANCHOR(S)	EVALUATION REPORT
ADHESIVE	HILTI HIT-RE 500 V3	ICC-ES ESR-3814
MECHANICAL	HILTI KWIK BOLT TZ2	ICC-ES ESR-4266

	ANCHORS IN MASONRY	
ANCHOR TYPE	APPROVED ANCHOR(S)	EVALUATION REPORT
ADHESIVE	HILTI HIT-HY 270	ICC-ES ESR-4143

ADHESIVE REINFORCING DOWEL MATERIALS

ASTM A 615, GRADE 60 ASTM F 1554, GRADE 36 (CARBON STEEL)

ANCHOR EMBEDMENT DEPTHS LISTED SHALL BE CONSIDERED EFFECTIVE EMBEDMENT DEPTHS AS DEFINED IN THE ICC-ES OR IAPMO UES EVALUATION REPORTS. PROVIDE ANCHOR LENGTH AND HOLE PER EVALUATION REPORT TO ACCOMMODATE THE EFFECTIVE EMBEDMENT SPECIFIED IN THESE DRAWINGS. SEE DETAIL

MECHANICAL AND ADHESIVE ANCHORS SHALL BE ZINC PLATED CARBON STEEL UNLESS NOTED OTHERWISE. MECHANICAL AND ADHESIVE ANCHORS EXPOSED TO WEATHER SHALL BE STAINLESS STEEL.

DO NOT DAMAGE EXISTING REINFORCEMENT. IF LOCATION OF REINFORCEMENT IS UNKNOWN, SCAN FOR EXISTING REINFORCING STEEL PRIOR TO DRILLING.

ADHESIVES SHALL NOT BE INSTALLED PRIOR TO THE CONCRETE REACHING AN AGE OF 21 DAYS AS REQUIRED BY ACI 318.

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.

MATERIAL
AWS D1.1 TYPE B
SIZE
3/4"Ø UNLESS NOTED OTHERWISE AWS D1.1 TYPE A PER DETAILS WELDED THREADED STUDS DEFORMED BAR ANCHORS ASTM A 1064 1/2"Ø UNLESS NOTED OTHERWISE

MASONRY

CLAY MASONRY VENEER UNITS SHALL COMPLY WITH ASTM C 216. VENEER ANCHORS AND FASTENERS SHALL COMPLY WITH TMS 402 SECTION 12.2. ANCHOR TIES SHALL BE SPACED SO AS TO SUPPORT NO MORE THAN 2 SQUARE FEET OF WALL AREA, BUT NOT MORE THAN 32 INCHES ON CENTER HORIZONTALLY, NOR MORE THAN 25 INCHES ON CENTER VERTICALLY.

STRUCTURAL STEEL

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 PREQUALIFIED JOINT DETAILS
WELDER CERTIFICATION	AMERICAN WELDING SOCIETY (AWS) WASHINGTON ASSOCIATION OF BUILDING OFFICIALS (WABO)
	ANSI/SDI RD "STANDARD FOR STEEL ROOF DECK" AISI S100 "NORTH AMERICAN SPECIFICATION FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS"

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 C

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

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 ARCHITECT. 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 ARCHITECT.

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.

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. ALL COATINGS ARE TO FOLLOW THE SPECIFICATIONS AND PRODUCT MANUFACTURER'S

ALL WELDING SHALL BE IN CONFORMANCE WITH AISC AND AWS STANDARDS, AND SHALL BE PERFORMED BY AWS-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.

WOOD

WOOD CONSTRUCTION SHALL CONFORM TO ALL REQUIREMENTS OF IBC CHAPTER 23.

SAWN LUMBER SHALL CONFORM TO THE LATEST EDITION OF "GRADING AND DRESSING RULES" BY WCLIB OR "WESTERN LUMBER GRADING RULES" BY WWPA. LUMBER SHALL BE SEASONED DRY WITH A MAXIMUM MOISTURE CONTENT OF 19% AND BE THE SPECIES AND GRADE SPECIFIED BELOW.

<u>USE</u>	GRADE	F _b (PSI) (SINGLE USE	<u>=)</u>
WALL STUDS 2" TO 4" THICK, 2" AND WIDER	DOUGLAS FIR-LARCH STUD GRA	ADE 700	
PLANKING & PLATES 2" TO 4" THICK, 2" AND WIDER	DOUGLAS FIR-LARCH NO. 2	900	
JOISTS & RAFTERS 2" TO 4" THICK, 2" AND WIDER	DOUGLAS FIR-LARCH NO. 2	900	
BEAMS & STRINGERS 5"x5" AND LARGER	DOUGLAS FIR-LARCH NO. 1	1,350	
<u>POSTS</u> 5"x5" AND LARGER 4"X4"	DOUGLAS FIR-LARCH NO. 1 DOUGLAS FIR-LARCH NO. 1	1,200 1,000	

GLUED-LAMINATED TIMBER SHALL BE MANUFACTURED IN ACCORDANCE WITH ANSI/AITC A190.1 "STRUCTURAL GLUED LAMINATED TIMBER". APPLY ONE COAT OF PENETRATING END SEALER IMMEDIATELY AFTER TRIMMING IN SHOP OR EIGLD-MEMBERS SHALL BE VISUALLY GRADED WESTERN SPECIES MANUFACTURED WITH ARCHITECTURAL APPEARANCE GRADE AND WITH LAYI IP COMBINATION AS FOLLOWS.

<u>USES</u> SIMPLE SPAN 24F-V8 DF/DF CONTINUOUS OR CANTILEVER SPAN **COMBINATION 3** COLUMNS

STRUCTURAL COMPOSITE LUMBER STRUCTURAL COMPOSITE LUMBER PRODUCTS SHALL BE OF THE SIZE AND TYPE SHOWN ON THE DRAWINGS AND MANUFACTURED BY TRUS JOIST OR APPROVED EQUAL. MEMBERS SHALL HAVE THE FOLLOWING MINIMUM DESIGN PROPERTIES:

FLEXURAL STRESS (PSI) 1.300.000 2,600 LVL 2,000,000

FLEXURAL STRESSES NOTED ABOVE ARE FOR A 12-INCH MEMBER. DEEPER MEMBERS SHALL

BE DESIGNED FOR REDUCED STRESSES PER THE MANUFACTURER'S REQUIREMENTS. PRODUCT SUBSTITUTION REQUESTS SHALL INCLUDE AN ICC-ES OR IAPMO-UES REPORT VALID FOR THE 2018 IBC. PRODUCT SUBSTITUTIONS SHALL BE DEMONSTRATED TO HAVE EQUIVALENT STRENGTH, STIFFNESS, AND ALLOWABLE SPACING OF FASTENERS WITHOUT ALTERING THE STRUCTURAL DESIGN. WHERE SUBSTITUTION REQUESTS INVOLVE ALTERING THE STRUCTURAL DESIGN, THE SUBSTITUTION REQUEST SHALL INCLUDE THE SEAL AND SIGNATURE OF THE WASHINGTON STATE REGISTERED PROFESSIONAL ENGINEER WHO IS RESPONSIBLE FOR THE DESIGN.

WOOD STRUCTURAL PANELS
WOOD STRUCTURAL PANELS SHALL CONFORM TO THE REQUIREMENTS OF THE LATEST EDITION OF DOC PS 1 OR DOC PS 2. SHEATHING SHALL BE AS FOLLOWS:

ROOF SHEATHING
19/32 CATEGORY APA RATED SHEATHING, 40/20, EXPOSURE 1

15/32 CATEGORY APA RATED SHEATHING, 32/16, EXPOSURE 1

ALL ROOF SHEATHING SHALL BE INSTALLED WITH THE LONG DIMENSION PERPENDICULAR TO SUPPORTS, UNLESS NOTED OTHERWISE, AND WITH THE PANELS CONTINUOUS OVER TWO OR MORE SUPPORTS. INSTALL WITH 1/8" GAP BETWEEN PANELS. FLOOR DIAPHRAGM AND SHEAR WALL NAILS SHALL BE DRIVEN FLUSH, BUT SHALL NOT FRACTURE THE SURFACE OF THE SHEATHING.

TIMBER FASTENERS AND CONNECTORS WOOD CONNECTORS SHALL BE SIMPSON STRONG-TIE AS SPECIFIED IN CATALOG NO. C-C-2021, OR STRUCTURAL FOR-APPROVED EQUAL. INSTALL CONNECTORS IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS WITH NUMBER AND SIZE OF FASTENERS AS SPECIFIED BY THE MANUFACTURER. WHERE CONNECTOR STRAPS CONNECT TWO MEMBERS, PLACE ONE-HALF OF THE FASTENERS IN EACH MEMBERS. ALL BOLTS IN WOOD MEMBERS SHALL CONFORM TO ASTM A 307. PROVIDE STANDARD WASHERS UNDER THE HEADS AND NUTS OF ALL BOLTS AND LAG SCREWS BEARING ON WOOD. ALL SHIMS SHALL BE SEASONED DRY AND BE THE SAME GRADE (MIN) AS THE MEMBERS CONNECTED. ALL JOISTS SHALL BE CONNECTED TO FLUSH BEAMS WITH LU SERIES JOIST HANGERS, UNLESS NOTED OTHERWISE. ALL DOUBLE AND TRIPLE-JOIST BEAMS SHALL BE CONNECTED TO FLUSH BEAMS WITH U SERIES HANGERS, UNLESS NOTED OTHERWISE.

ALL FRAMING NAILS SHALL HAVE THE SIZE AND MINIMUM LENGTH AS SPECIFIED IN THE FOLLOWING TABLE, UNLESS NOTED OTHERWISE. NAIL TYPE SHALL BE COMMON UNLESS NOTED OTHERWISE. POWER-DRIVEN NAILS AND STAPLES SHALL BE IN ACCORDANCE ICC-ES ESR-1539. NAILING NOT SHOWN SHALL BE AS INDICATED IN IBC TABLE 2304.10.1. SEE SCHEDULES FOR NAIL SIZES AT SHEAR WALL AND ROOF/FLOOR DIAPHRAGM SHEATHING.

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		FRAMIN	G NAILS	
	TYPE MARK	TYPE	SHANK DIAMETER	MINIMUM LENGTH
	8d	COMMON	0.131"	2 1/2"
	10d	COMMON	0.148"	3"
	16d	COMMON	0.162"	3 1/2"
	16d-SHORT	SHORT	0.131"	3 1/4"

POWER-DRIVEN NAILS MAY BE SUBSTITUTED FOR COMMON NAILS AT SPACING AS FOLLOWS SUBSTITUTIONS FOR NAIL SIZE, SPACING, OR QUANTITY NOT SHOWN REQUIRE APPROVAL.

	ALTERNATE NAIL			SCH	IED	JLE			
FASTENER	SHANK	LENGTH			S	PACIN	IG		
TYPE	DIAMETER	LENGIH							
8d COMMON	0.131"	2 1/2"	16"	12"	8"	6"	4"	3"	2"
16d SHORT	0.131"	3 1/4"	16"	12"	8"	6"	4"	3"	2"
10d COMMON	0.148"	3"	16"	12"	8"	6"	4"	3"	2"
16d SHORT	0.131"	3 1/4"	12"	10"	6"	4"	3"	2 1/2"	1 1/2"
16d COMMON	0.162"	3 1/2"	16"	12"	8"	6"	4"	3"	-
16d SHORT	0.131"	3 1/4"	10"	8"	5"	4"	2 1/2"	2"	-

ALL FASTENERS AND CONNECTORS IN CONTACT WITH PRESERVATIVE-TREATED LUMBER SHALL BE GALVANIZED WITH A MINIMUM COATING OF 1.85 OUNCES/SQUARE FOOT. ALL SAWN LUMBER AND PREFABRICATED WOOD PRODUCTS SHALL BE IDENTIFIED BY A

GRADE MARK OR CERTIFICATE OF INSPECTION ISSUED BY THE CERTIFYING AGENCY.

ALL HORIZONTAL SHEATHING SHALL BE GLUED TO ROOF JOISTS, RIM BOARDS, AND BLOCKING. THE FIELD-GLUED SYSTEM SHALL BE INSTALLED ACCORDING TO THE RECOMMENDATIONS OF THE APA. GLUE SHALL BE APPLIED TO THE SUPPORTING FRAMING AND TO THE GROOVE IN THE EDGE OF THE T&G PANELS. GLUE SHALL MEET THE REQUIREMENTS OF THE APA ADHESIVE SPECIFICATION AFG-01 AND SHALL BE APPLIED IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS.

PRESERVATIVE-TREATED WOOD WOOD SHALL BE PROTECTED FROM DECAY AND TERMITES IN ACCORDANCE WITH IBC 2304.12. PRESERVATIVE-TREATMENTS SHALL CONFORM TO THE APPROPRIATE STANDARDS OF THE AWPA FOR SAWN LUMBER, GLUED-LAMINATED TIMBER, ROUND POLES, PILES, AND MARINE PILES AND SHALL BEAR A TREATMENT IDENTIFICATION MARK BY THE CERTIFYING AGENCY. ALL LUMBER IN CONTACT WITH CMU, CONCRETE, OR GROUND SURFACES SHALL BE PRESERVATIVE-TREATED. PRESERVATIVE TREATMENT SHALL NOT REDUCE ALLOWABLE

ITEM

-turu

1. REFER TO PROJECT SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.

GRADING, EXCAVATION AND FILL

NSPECTION IN FABRICATION SHOP

CONCRETE

STRUCTURAL STEEL

SEISMIC RESISTANCE

SEISMIC - WOOD

WELDING

FINAL FOUNDATION PREPARATION

POST-INSTALLED ADHESIVE ANCHORS
POST-INSTALLED MECHANICAL ANCHORS

EMBEDDED PLATES . DESIGN MIX. SLUMP TEST

PREFABRICATED STRUCTURAL ELEMENTS

SPECIAL INSPECTIONS AND TESTING NOTES:

BIDDER-DESIGNED COMPONENTS.

SPECIAL INSPECTIONS

AND TESTING SCHEDULE

ESTABLISHED PER IBC 2018 SECTION 109 AND CHAPTER 17

IBC CODE

1704.2.5

1705.3

1705.2

1704.2.5

1705.12

2. INSPECTION REQUIREMENTS FOR SYSTEMS DESIGNED BY OTHERS SHALL BE DEFINED BY THE REGISTERED DESIGN

PROFESSIONAL RESPONSIBLE FOR THEIR DESIGN. SPECIAL INSPECTION TESTING REQUIREMENTS APPLY TO ALL

COMMENTS

BY GEOTECHNICAL ENGINEER

BY GEOTECHNICAL ENGINEER

DRAWING LIST

STRUCTURAL NOTES S0.2 STRUCTURAL ABBREVIATIONS AND SYMBOLS

FOUNDATION PLAN S2.2 ROOF FRAMING PLAN

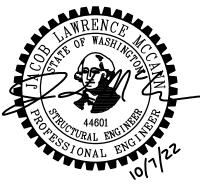
ELEVATIONS - SHEAR WALLS

TYPICAL CONCRETE DETAILS S4.2 CONCRETE SECTIONS AND DETAILS

S5.1 TYPICAL WOOD FRAMING DETAILS S5.2 TYPICAL WOOD FRAMING DETAILS S5.3

WOOD SECTIONS AND DETAILS







PERMIT SET

ISSUE DATE: OCTOBER 7, 2022 REVISION DATE 10/07/22 PERMIT REVISIONS #1

CONTENTS: **STRUCTURAL**

> NO SCALE DRAWN: CHECKED: 2200191 PROJECT NO:

PRCNC20220958

Public Works

Traffic

City of Puyallup

Development & Permitting Services

ISSUED PERMIT

Building

Engineering

Fire

STRUCTURAL ABBREVIATIONS

AB	ANCHOR BOLT	HP	HIGH POINT
ADD'L	ADDITIONAL	HSS	HOLLOW STRUCTURAL SECTION
ADH	ADHESIVE	IBC	INTERNATIONAL BUILDING CODE
ADJ	ADJUSTABLE	ID	INSIDE DIAMETER
AESS	ARCHITECTURALLY EXPOSED	IE	INVERT ELEVATION
	STRUCTURAL STEEL	IF	INSIDE FACE
AFF	ABOVE FINISH FLOOR	IN	INCH
AGG	AGGREGATE	INFO	INFORMATION

INT

LNGT

MOM

REM

RO

RTN

SCHED

SECT

SFRS

SHTG

SHT

SIM

SOG

SPEC

SQ

STD

STIFF

STIRR

STRUCT

STL

SYM

INTERIOR

KIP (1,000 LBS.)

LINEAL FOOT

LONGITUDINAL

LOW POINT

MAXIMUM

MINIMUM

MOMENT

NUMBER

NOMINAL

NEAR SIDE

NONSHRINK

ON CENTER

OPENING

OPPOSITE

POST

PIECE

PLATE

PANEL

PLYWOOD

ROOF DRAIN

REMAIN(DER)

ROUGH OPENING

SLIP CRITICAL

SCHEDULE

SHEATHING

SLAB-ON-GRADE

SPECIFICATION

STAINLESS STEEL

SIMILAR

SPACE

SQUARE

STANDARD

STIFFENER

STRUCTURAL

SYMMETRICAL

TOP AND BOTTOM

TONGUE AND GROOVE

UNLESS NOTED OTHERWISE

ULTRASONIC TESTING

WELDED HEADED STUD

STIRRUP

STEEL

TOP OF

TABLE

THICK(NESS)

TRANSVERSE

THROUGH

TYPICAL

VERTICAL

W-SHAPE

WITHOUT

WATER LINE

WORK POINT

WOOD

VERIFY IN FIELD

SECTION

SHEET

REQUIRED

ROUND

RETURN

NOT TO SCALE

OUTSIDE FACE

PENETRATION

PROPERTY LINE

OUTSIDE DIAMETER

POWER ACTUATED FASTENER

PARTIAL JOINT PENETRATION

POUNDS PER SQUARE FOOT

POUNDS PER SQUARE INCH

SEISMIC FORCE-RESISTING SYSTEM

PRESERVATIVE-TREATED

MECHANICAL

MANUFACTURER

MISCELLANEOUS

NOT IN CONTRACT

KIPS PER SQUARE FOOT

LONG FACE HORIZONTAL

LONG LEG HORIZONTAL

LAMINATED STRAND LUMBER

LAMINATED VENEER LUMBER

LONG LEG VERTICAL

JOIST

JOINT

ANCH ANCHOR ARCH ARCHITECTURAL ARD ADHESIVE REINFORCING DOWEL **BOTTOM OF** BLDG BUILDING BLOCKING

DIAPHRAGM BOUNDARY NAILING BN BOT BOTTOM BRG **BEARING** BSMT **BASEMENT** BETWEEN **BUILT-UP ROOF** CAMBER

CAPACITY CAP CENTER TO CENTER CDF CONTROLLED DENSITY FILL CFS COLD-FORMED STEEL CIP CAST-IN-PLACE CONSTRUCTION OR CONTROL JOINT COMPLETE JOINT PENETRATION CENTERLINE CLG CEILING CLR CLEAR

CLT CROSS-LAMINATED TIMBER CMU **CONCRETE MASONRY UNIT** COL COLUMN CONCRETE CONNECTION CONSTRUCTION CONT CONTINUOUS CONTR CONTRACTOR CONTY CONTINUITY COORD COORDINATE CTR CENTER CUBIC YARD DB **DIVIDER BEAM**

DBA DEFORMED BAR ANCHOR DOUBLE DCW DEMAND CRITICAL WELD DEMO DEMOLISH DOUGLAS FIR DIA DIAMETER **DECKING** DN DOWN DO DITTO DWF DEFORMED WIRE FABRIC DRAWING

DWG **DOWEL** EACH EACH FACE **ELEVATION ELECT** ELECTRICAL **ELEV ELEVATOR** EN PANEL EDGE NAILING EOR ENGINEER OF RECORD EQUIL EQUAL TO THE PART OF THE **EQUIPMENT** ES EACH SIDE EW **EACH WAY**

EX **EXISTING** EXP **EXPANSION** EXT **EXTERIOR FAHRENHEIT** FLOOR DRAIN FOUNDATION FINISH FLOOR FIN FINISH FLG FLANGE FLR **FLOOR** FOB FACE OF BUILDING FS FAR SIDE FEET FTG FOOTING GAUGE

GALV GALVANIZED GRADE BEAM GEN GENERAL **GLUED LAMINATED TIMBER** GOVT GOVERNMENT GRADE GWB GYPSUM WALL BOARD HEM-FIR HGR HANGER HOOK HORIZ

HORIZONTAL

GB

GR

HF

HK

STRUCTURAL DRAWING SYMBOLS

CONCRETE SYMBOLS

STEPPED FOOTING CONCRETE WALL ABOVE OR PASSING THROUGH LEVEL PARTIAL HEIGHT CONCRETE WALL MASONRY WALLS CONCRETE IN CROSS SECTION

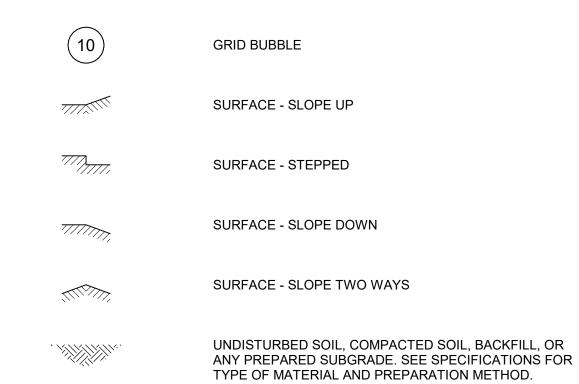
EXISTING CONCRETE IN CROSS SECTION

DEMOLITION SYMBOLS

DEMOLISH CONCRETE WALL

DEMOLISH FRAMING DEMOLISH SLAB DEMOLISH CMU WALL

GENERAL SYMBOLS





1 S3.1 **BUILDING SECTION CUTS** ELEVATION OF WALL OR FRAME

TOP OF STEEL

REFERENCE ELEVATION. REFER TO PLAN

UNLESS NOTED OTHERWISE.

ELEVATION OF LEVEL

SPOT ELEVATION: TOP OF PLYWOOD TOP OF CONCRETE 100'-0"

TOP OF CONCRETE ELEVATION TOP OF STEEL ELEVATION

_____100'-0"

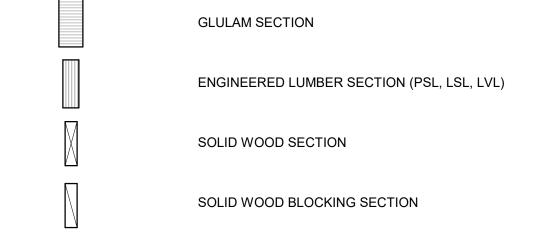
LEVEL 01

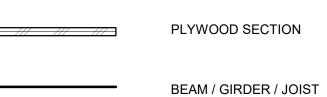
DIRECTION OF DOWNWARD SLOPE

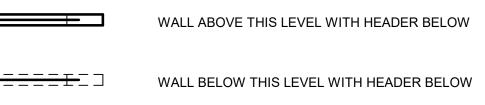
DIRECTION OF SPAN EXISTING FRAMING

WORKPOINT

WOOD SYMBOLS



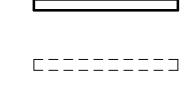




WALL ABOVE THIS LEVEL

WALL BELOW THIS LEVEL

BUNDLED STUDS, WOOD POST



 $\langle x \rangle$

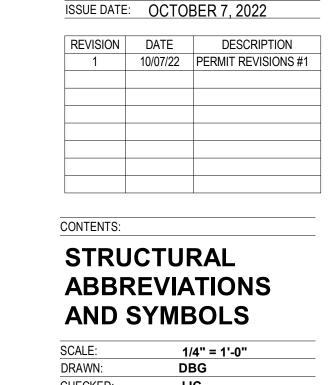
HARDWARE; SEE SCHEDULE 15/S5.1

Seattle, WA 98101 206.622.5822





PERMIT SET



2200191

S0.2

Planning

Public Works

Traffic

City of Puyallup

Development & Permitting Services

ISSUED PERMIT

Building

Engineering

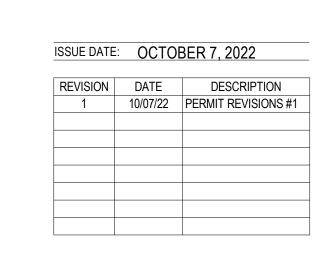
Fire





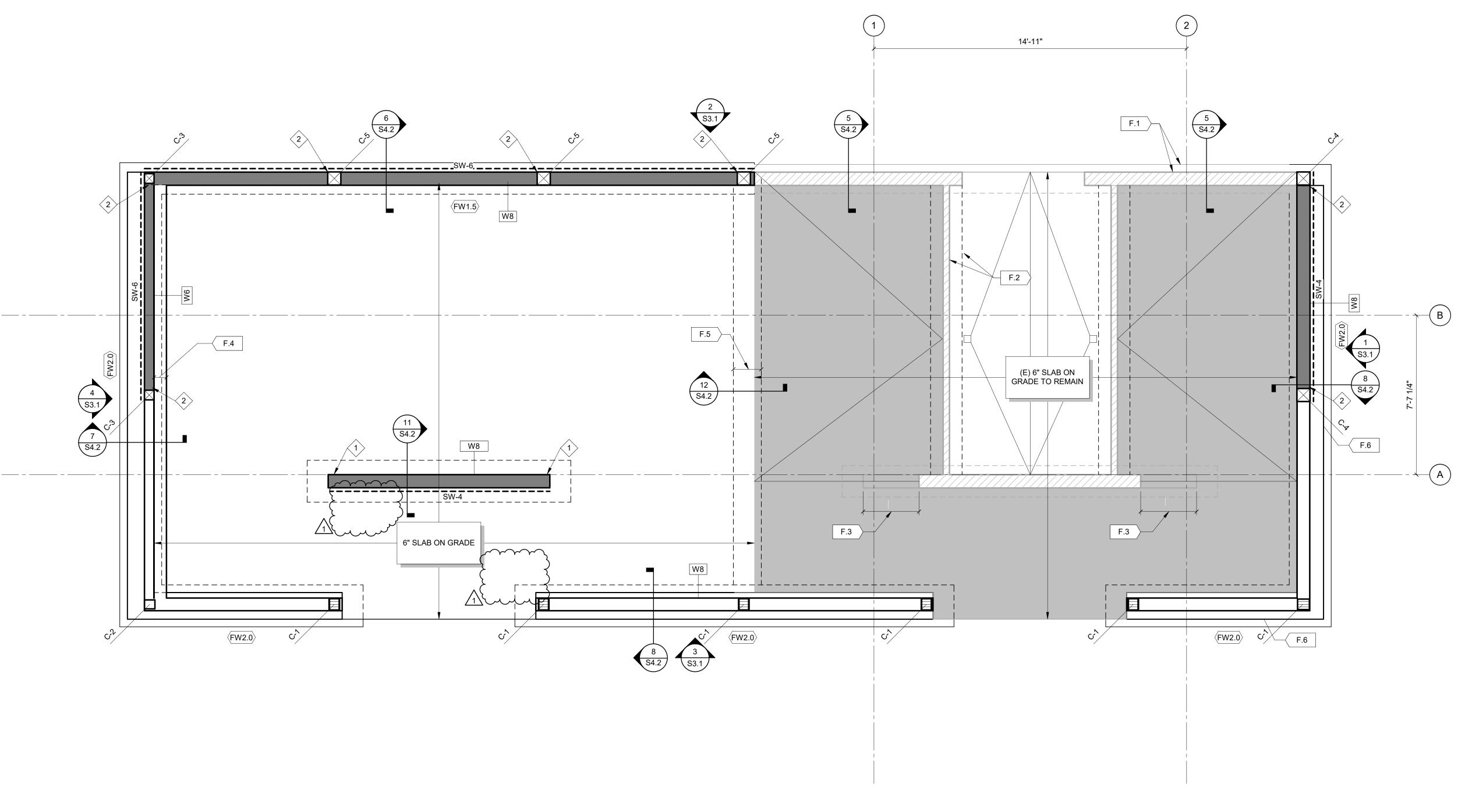


PERMIT SET



CONTENTS: **FOUNDATION PLAN**

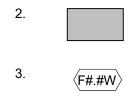
As indicated DRAWN: DBG CHECKED: 2200191 PROJECT NO:



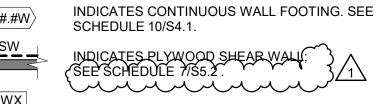
FOUNDATION PLAN
3/8" = 1'-0"

FOUNDATION PLAN NOTES:

1. ALL INTERIOR SLABS ON GRADE TO BE 6" REINFORCED W/#4 @ 12" OC EA WAY. PROVIDE 10 MIL VAPOR BARRIER BELOW SLAB OVER 4" CAPILLARY BREAK PER GENERAL NOTES. PREPARE SUBGRADE AND COMPACT FILL PER EARTHWORK SPECIFICATION.



INDICATES EXTENTS OF EXISTING SLAB ON GRADE TO RECEIVE A 1/2" POLISHED CEMENTITIOUS OVERLAY; SEE SPECIFICATIONS.



munimine.

INDICATES WALL TYPE PER SCHEDULE. ALL EXTERIOR WALLS TO RECEIVE 15/32" PLYWOOD SHEATHING PER GENERAL NOTES. AT NON-SHEAR WALLS ATTACH TO FRAMING PER SHEAR WALL TYPE SW-6; SEE SCHEDULE 7/S5.2. 7. C-X INDICATES WOOD POST AND BUILT-UP COLUMNS; SEE SCHEDULE 10/S5.1. F.2 EXISTING REMAIN. EXISTING 4" INTERIOR CMU PARTITION AND FOOTING TO

FOUNDATION PLAN KEY NOTES:

F.3 SAWCUT AND REMOVE EXISTING 8" CMU WALL AND STEM WALL. F.4 PROVIDE 6" NON-STRUCTURAL PLUMBING WALL AT WEST FACE EAST OF 6" STRUCTURAL WALL, SEE 7/S4.2

F.1 EXISTING 8" EXTERIOR CMU WALL AND FOOTING TO REMAIN.

DEMOLISHED EXISTING 8" CMU WALL AND STEM WALL AT THIS LOCATION; EXISTING FOOTING TO REMAIN WITH NEW SLAB ON GRADE CAST OVER IT.

DEMOLISHED EXISTING 8" CMU WALL AND STEM WALL AND REPLACE WITH NEW FOOTING, STEM WALL AND STEEL STUD

City of Puyallup

Development & Permitting Services

ISSUED PERMIT

Planning

Public Works

Traffic

Building

Engineering

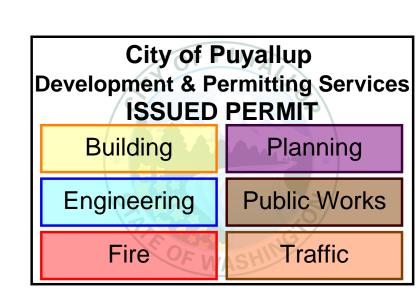
Fire

STRUCTURAL WALL STUD SCHEDULE

 W6
 2x6 @ 16" OC

 W8
 2x8 @ 16" OC
 TYPICAL AT EXTERIOR WALLS UNO

MARK





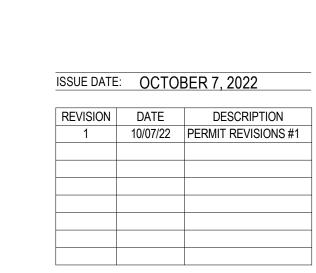




HELITOF WASHINGTON

SESTROOMS UPC

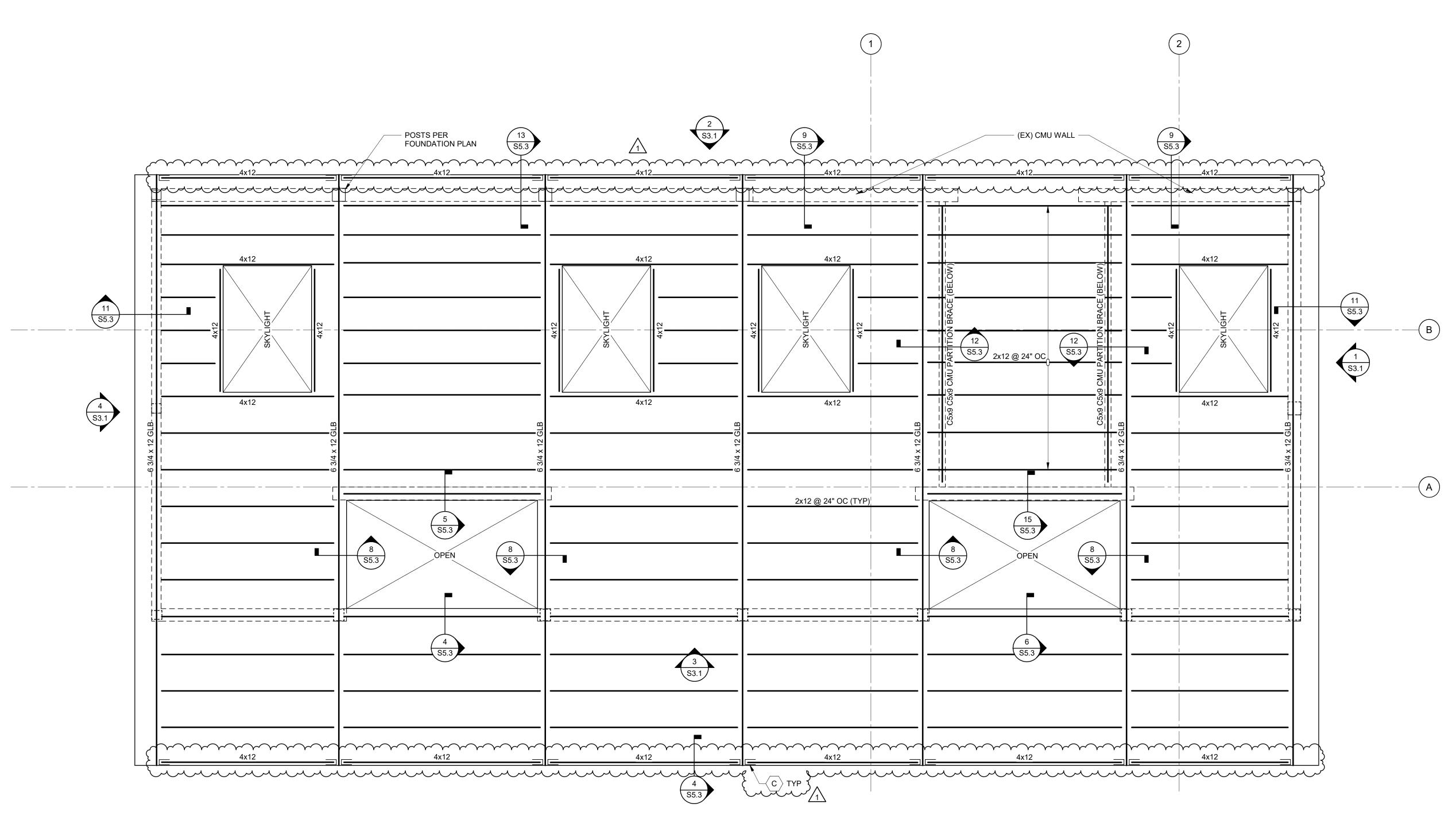
PERMIT SET



ROOF FRAMING PLAN

SCALE:	As indicated
DRAWN:	DBG
CHECKED:	JJC
PROJECT NO:	2200191

S2.2



ROOF FRAMING PLAN

3/8" = 1'-0"

ROOF FRAMING PLAN NOTES:

1. ROOF SHEATHING SHALL BE 19/32" TONGUE-AND-GROOVE PLYWOOD. PER STRUCTURAL NOTES ATTACHED TO SUPPORTING FRAMING WITH 10d @ 6" OC AT ALL PANEL EDGES AND OPENINGS AND 10d @ 12" OC AT ALL INTERMEDIATE FRAMING.

ROOF SHEATHING IS TO BE NAILED AND GLUED WITH CONSTRUCTION ADHESIVE PER STRUCTURAL NOTES, APPLIED TO TOP OF ALL ROOF JOISTS AND BEAMS.

3. TYPICAL JOIST HANGERS TO BE TYPE LU. AT ALL EDGE JOISTS ADJACENT TO ROOF EDGE PROVIDE TYPE HUC HANGERS (CONCEALED FLANGES).

INDICATES TYPE HUC CONCEALED FLANGE HANGER.



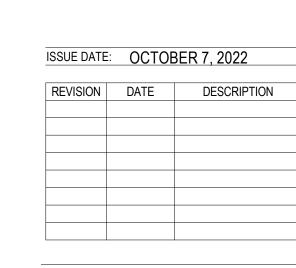




WASHINGS WASHINGS WASHINGS

ONEER PARK SMERIDIAN SMERIDIAN

PERMIT SET



CONTENTS:

ELEVATIONS SHEAR WALLS

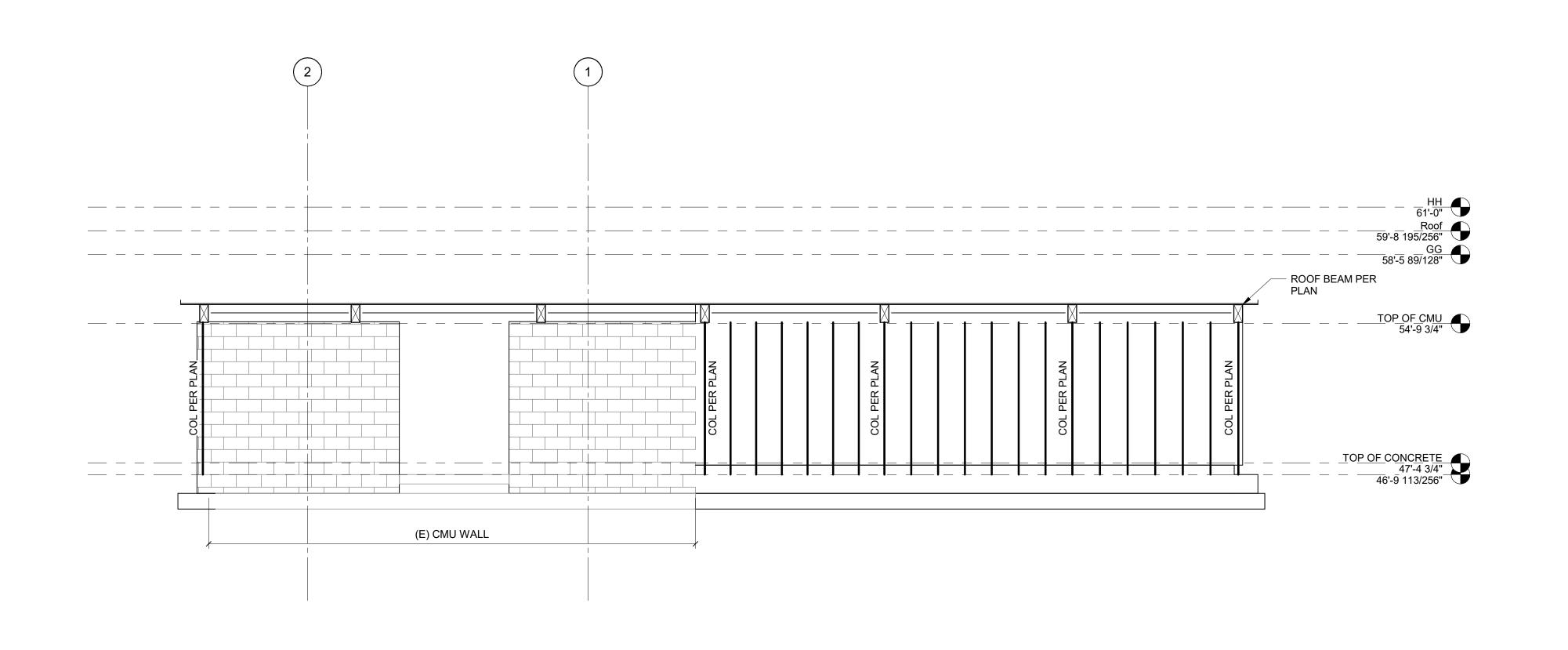
 SCALE:
 1/4" = 1'-0"

 DRAWN:
 DBG

 CHECKED:
 JJC

 PROJECT NO:
 2200191

SHEET:
S3.1



A B

HH
61:07
59:8 195/250

S8:5 89:129

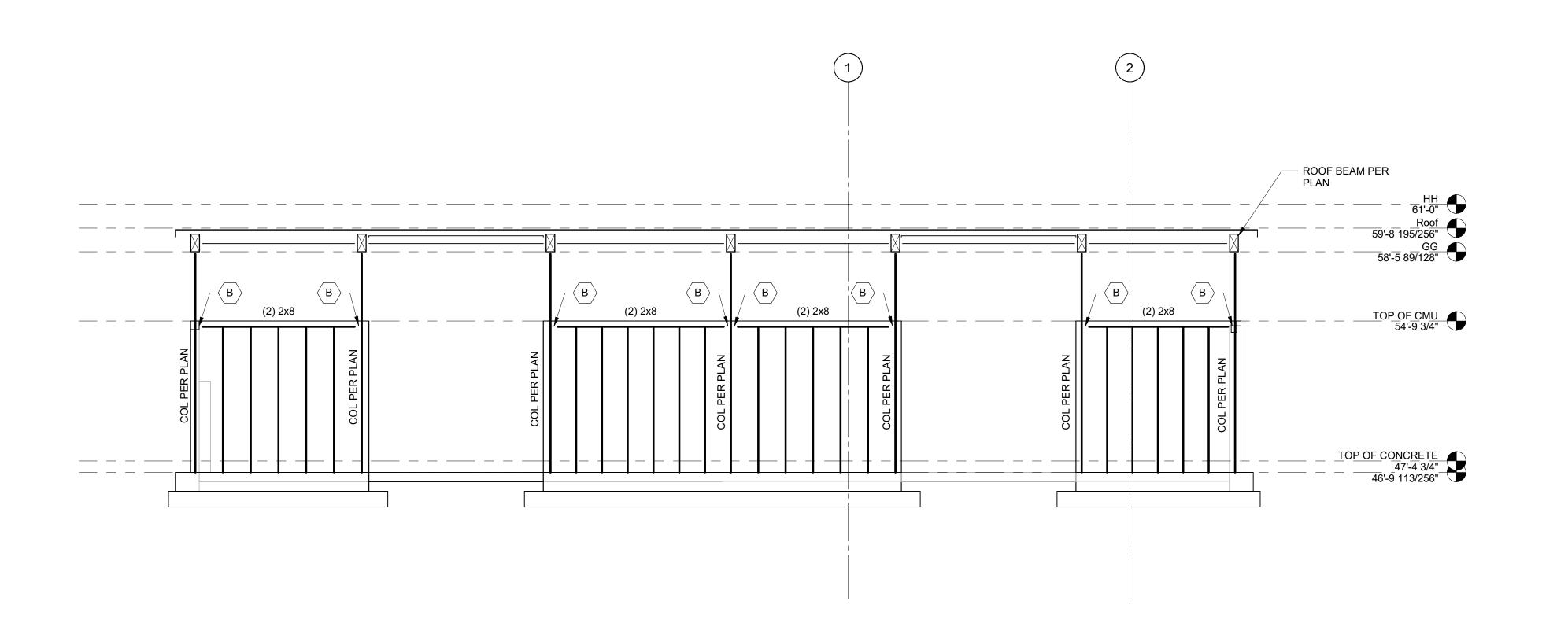
TOP OF CONCRETE
47:4 3/4*
48:9 113/256*

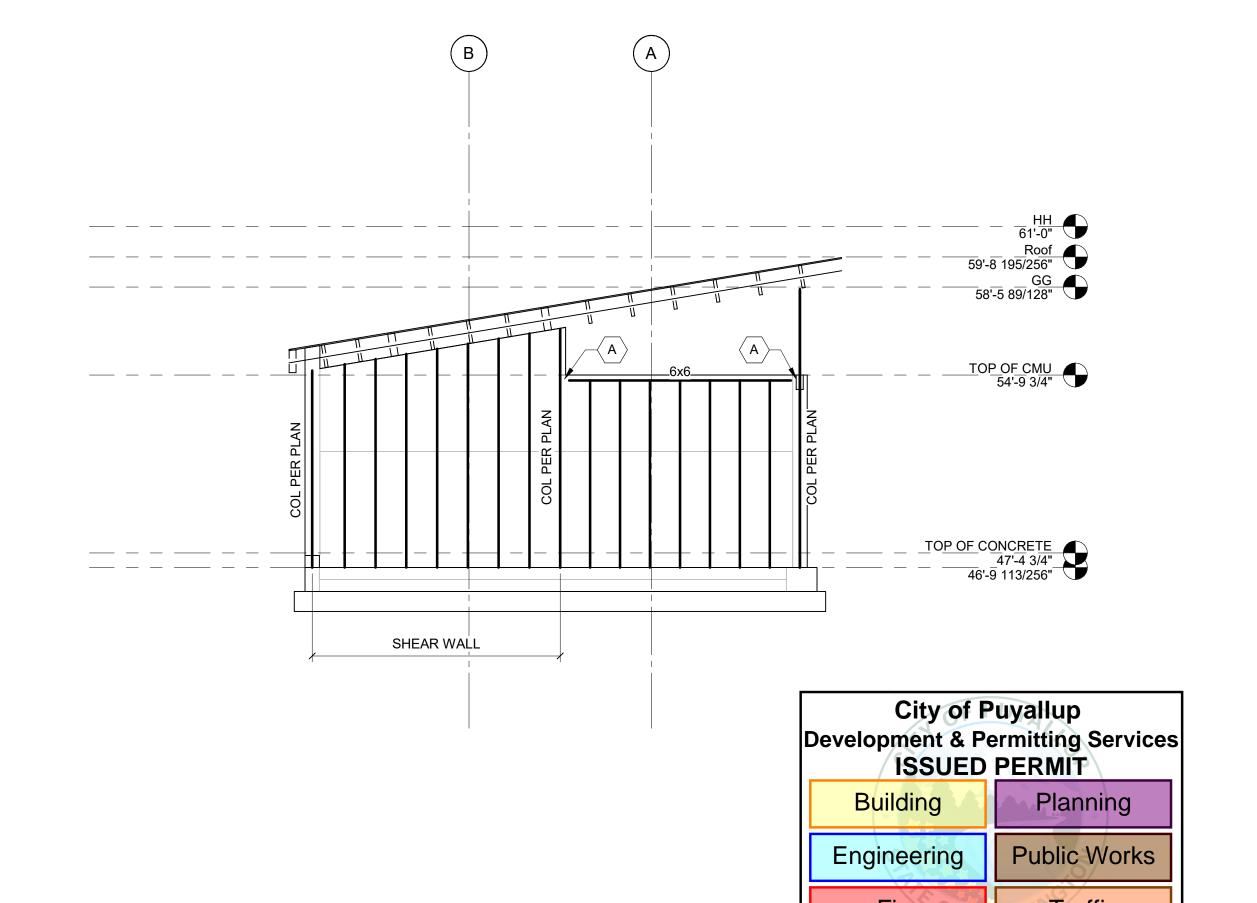
NORTH WALL FRAMING ELEVATION

1/4" = 1'-0"

1 EAST WALL FRAMING ELEVATION

1/4" = 1'-0"





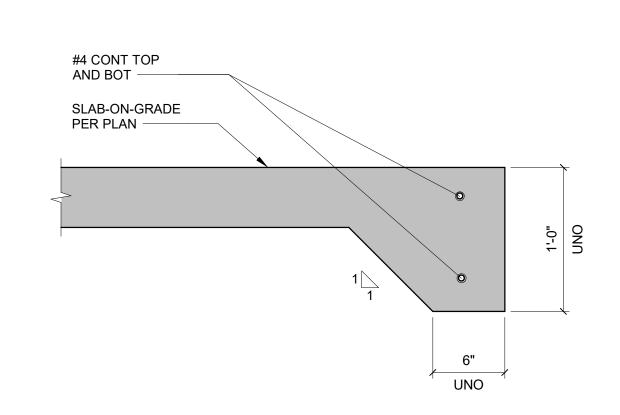
SOUTH WALL FRAMING ELEVATION

1/4" = 1'-0"

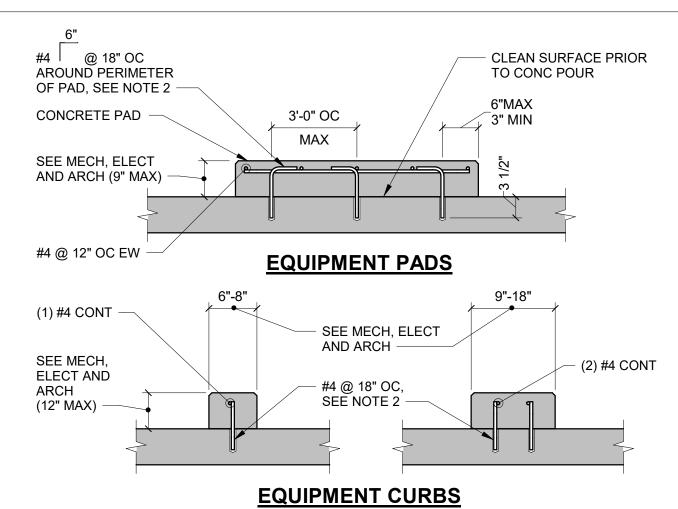
WEST WALL FRAMING ELEVATION

1/4" = 1'-0"





TYPICAL THICKENED SLAB EDGE

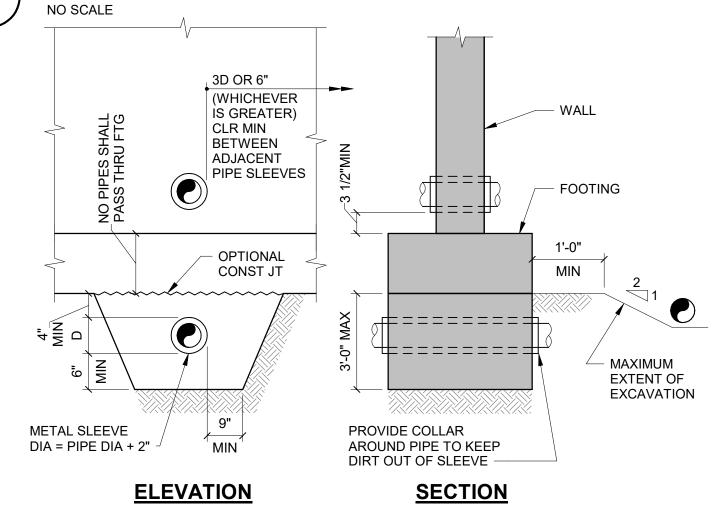


NOTES:

1. EQUIPMENT PAD SIZE TO BE 6" LARGER THAN EQUIPMENT IN EACH DIRECTION, UNLESS NOTED

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 2. ATTACH REINFORCING TO SLAB WITH ADHESIVE ANCHORING SYSTEM PER STRUCTURAL NOTES.

TYP CURBS & PADS ON CONCRETE SLABS



NOTES:

1. STEP FOOTING PER TYPICAL STEPPED FOOTING DETAIL AS REQUIRED TO SATISFY THESE 2. GENERAL CONTRACTOR TO COORDINATE EXACT DEPTH AND LOCATION OF PIPE 3. "D" SHALL NOT EXCEED 8".

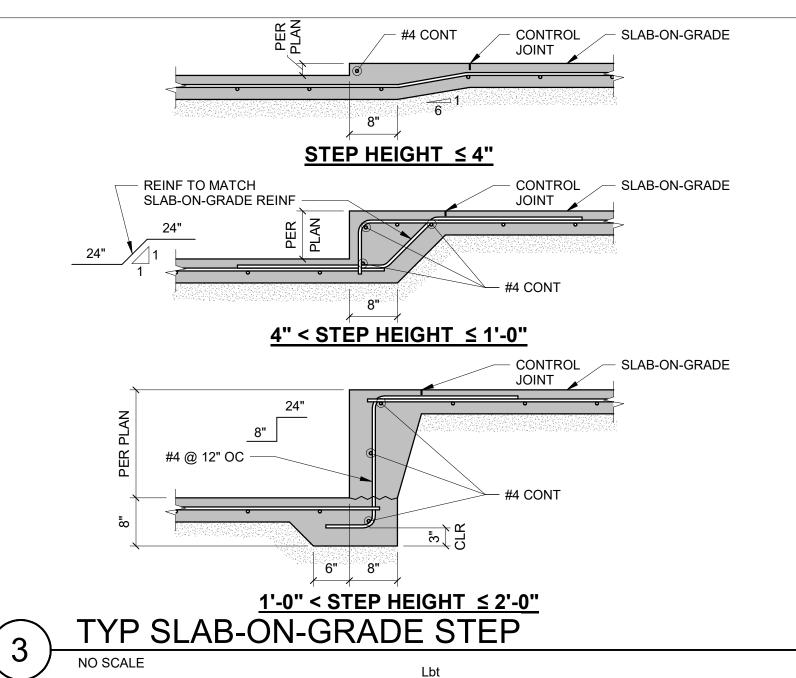
TYP DETAIL OF PIPE AT FOOTINGS

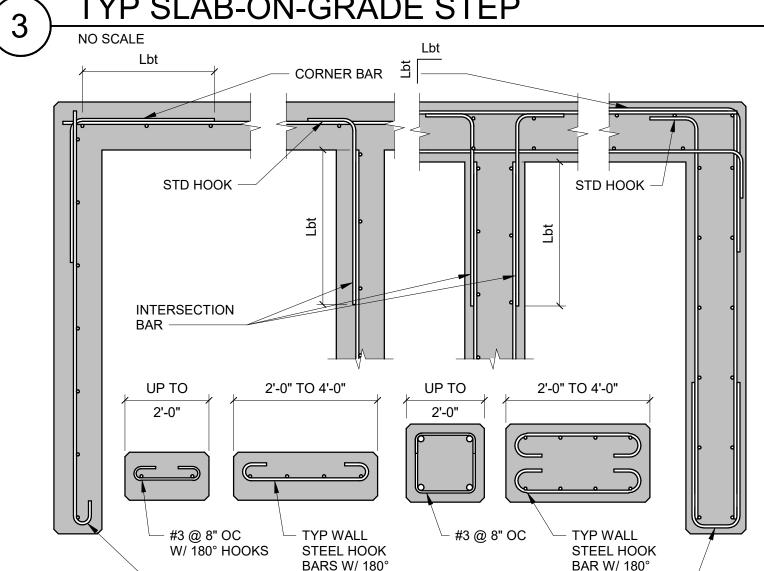
WALL FOOTING SCHEDULE											
	DIME	NSIONS	REINFO								
TYPE MARK	WIDTH	DEPTH	TRANSVERSE	LONGITUDINAL	TYPE COMMENTS						
FW1.5	1'-6"	10"	#4 @ 18" OC BOT	(2) #5	-						
FW2.0	2'-0"	10"	#4 @ 18" OC BOT	(3) #5	-						

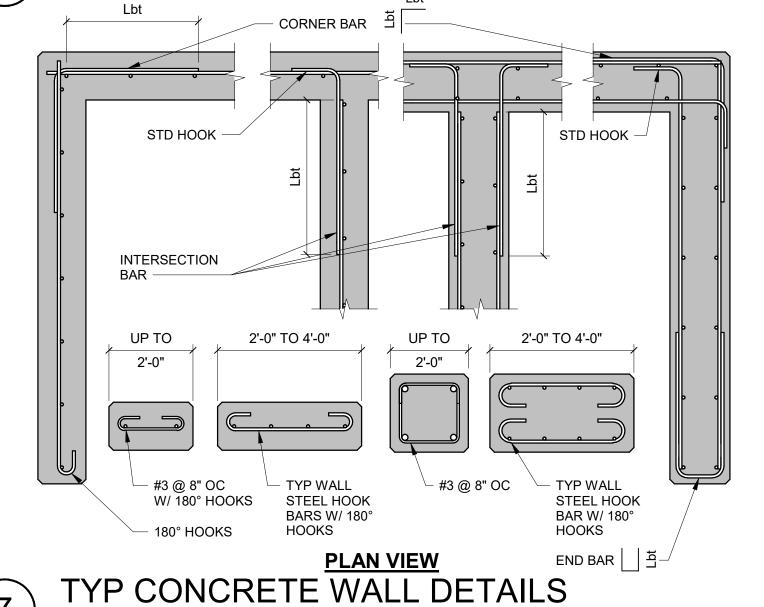
NOTES:

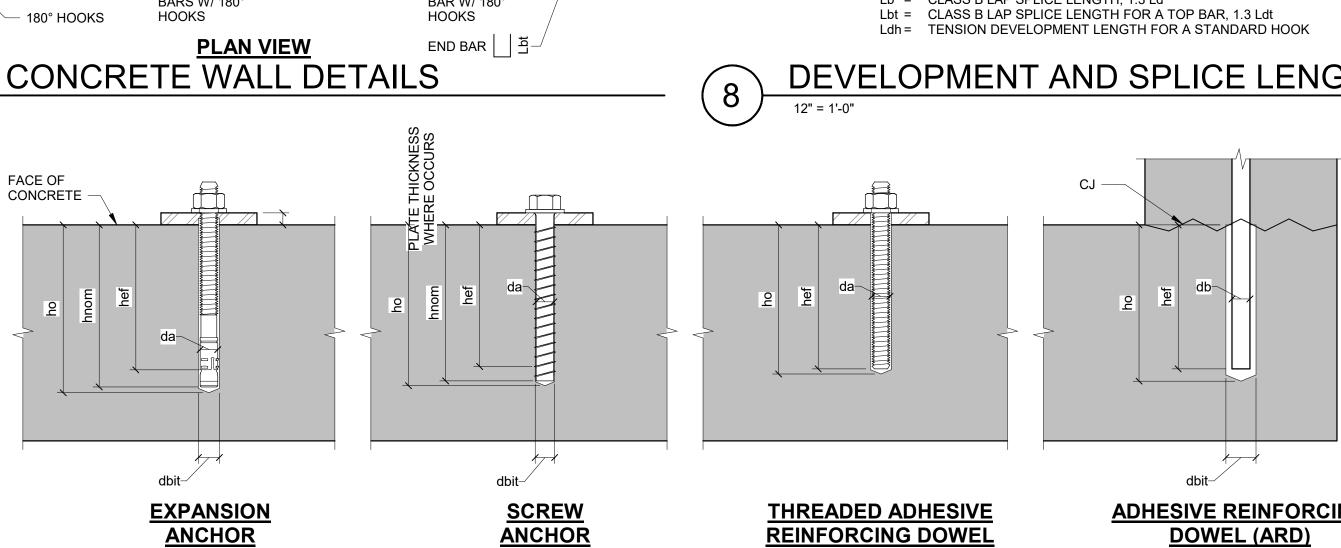
1. SEE 8/S4.2 FOR TYPICAL WALL FOOTING DETAIL.

WALL FOOTING SCHEDULE





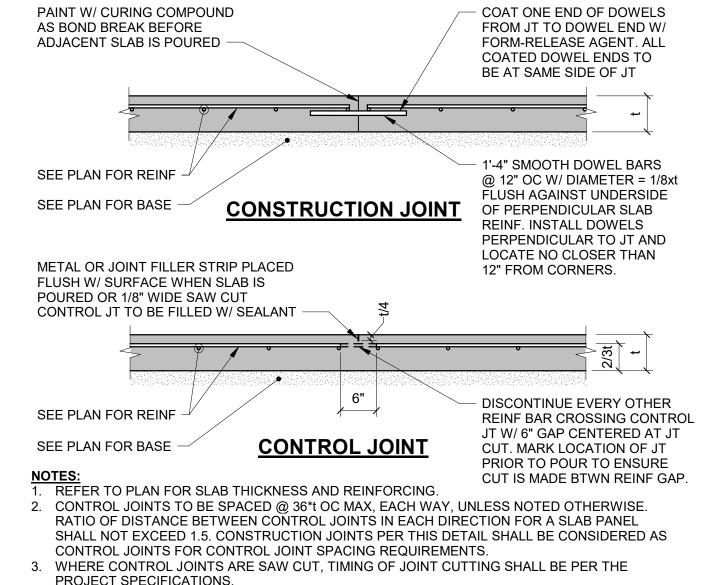




NOTES:

1. REFER TO STRUCTURAL NOTES FOR APPROVED ANCHOR(S) AND EVALUATION REPORT(S).

TYPICAL POST-INSTALLED ANCHORS



TYP SOG CONTROL & CONSTRUCTION JOINTS

f'_c = 4,000 PSI f_y = 60,000 PSI SIZE Ld Ldt **#4** 19 (28) 25 (37) 25 (37) 32 (48) 9 **#5** 24 (36) 31 (46) 31 (46) 40 (60) 1 **#6** 28 (43) 37 (55) 37 (55) 48 (72) **#7** | 42 (62) | 54 (81) | 54 (81) | 70 (105) | 1 **#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

NOTES:

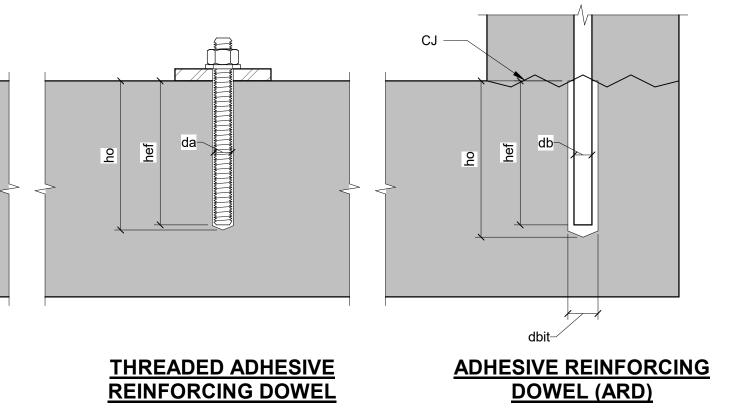
1. USE THE LENGTHS IN THIS SCHEDULE, UNLESS NOTED OTHERWISE. 2. USE LENGTH IN () WHEN BAR COVER IS db OR LESS OR BAR CLEAR SPACING IS 2db OR LESS. 3. A TOP BAR IS A HORIZONTAL BAR WITH MORE

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

DEVELOPMENT AND SPLICE LENGTH SCHED

THAN 12" OF FRESH CONCRETE CAST BELOW IT



ABBREVIATIONS

hef = EFFECTIVE EMBEDMENT PER DRAWINGS hnom = NOMINAL EMBEDMENT REQUIRED TO ACHIEVE

EFFECTIVE EMBEDMENT PER EVALUATION REPORT. FOR EXPANSION ANCHORS. THIS APPLIES TO THE CONDITION PRIOR TO APPLICATION OF TORQUE.

ho = MINIMUM HOLE DEPTH PER EVALUATION REPORT da, db = DIAMETER OF ANCHOR/BAR PER DRAWINGS

dbit = DIAMETER OF DRILL BIT PER EVALUATION REPORT

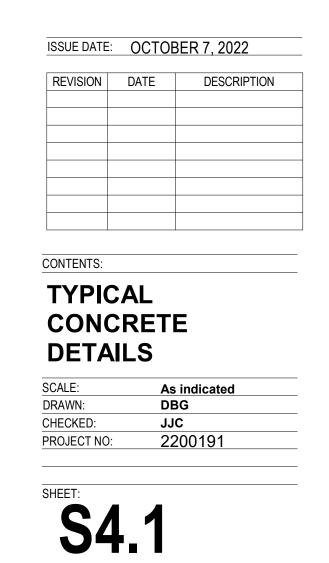
City of Puyallup Development & Permitting Services ISSUED PERMIT Planning Building **Public Works** Engineering Fire Traffic







PERMIT SET



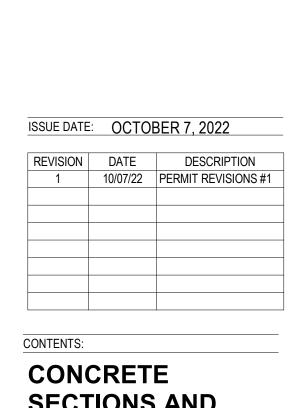


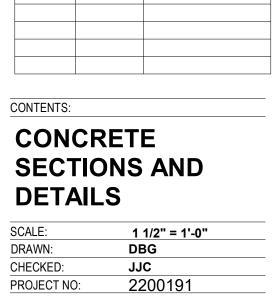




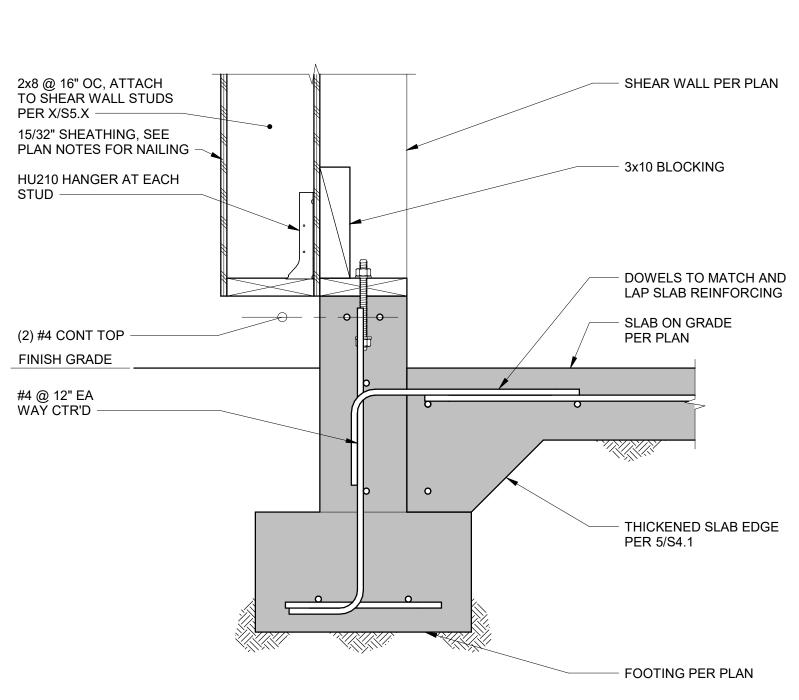


PERMIT SET





S4.2



NORTH EXTERIOR WALL FOOTING
1 1/2" = 1'-0"

PT 2x8 @ 16" OC, NOTCHED AT LEDGER —

15/32" SHEATHING, SEE

3x10 PT LEDGER W/ 5/8"

ADHESIVE ANCHORS @

5" MIN) —

FINISH GRADE

4'-0" OC AND 1'-0" MAX FROM EACH END (EMBED =

HU210 HANGER AT EACH

SECTION

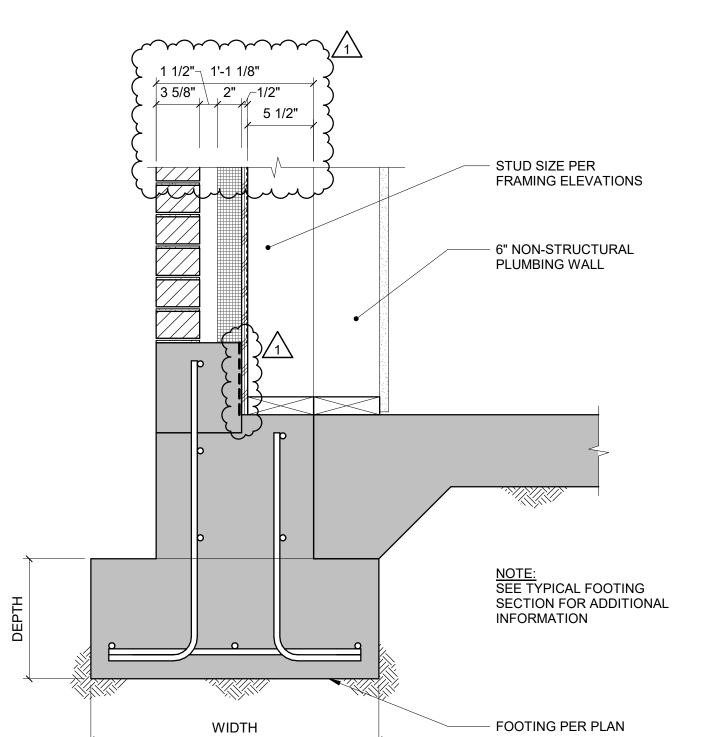
1 1/2" = 1'-0"

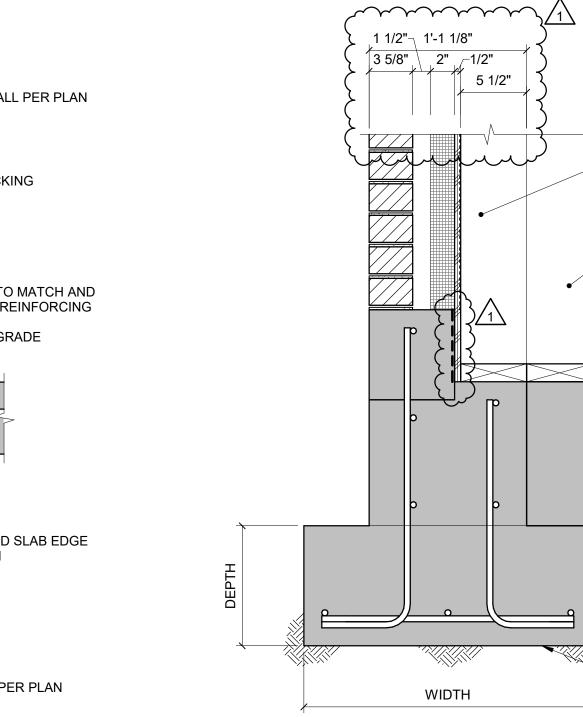
PLAN NOTES FOR NAILING

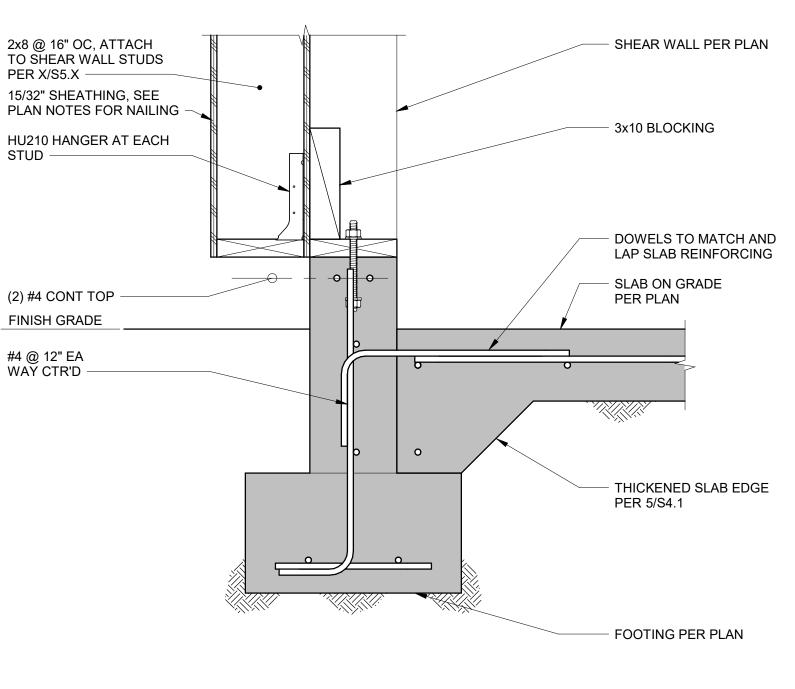
(E) 8" NOM SOLID-GROUTED CMU

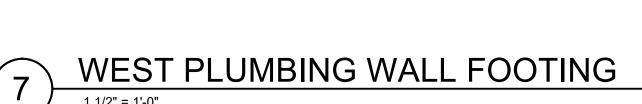
(E) SLAB ON GRADE

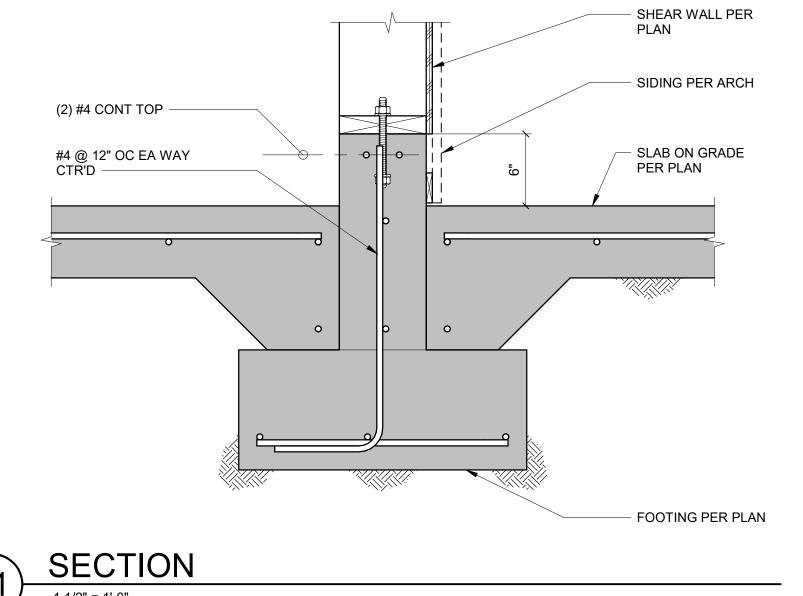
- EXISTING FOOTING

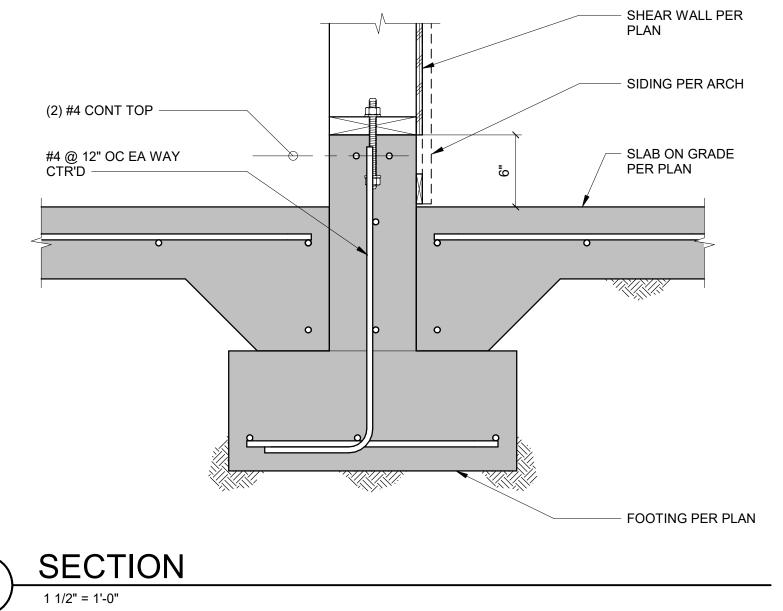


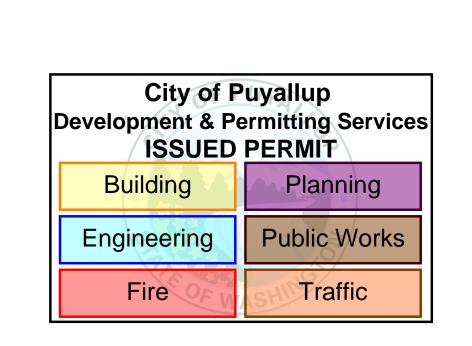












1'-2 7/8"

GFRC PANEL

SLAB ON GRADE

— SLAB DOWELS TO MATCH AND LAP HORIZ SLAB REINF

DEMO (E) STEM WALL

(E) SLAB ON GRADE

(E) FOOTING TO REMAIN

/Lb PER PLAN

STUD SIZE PER
FRAMING ELEVATIONS

1

PROVIDE (2) LAYERS OF 15 LB

ASPHALT IMPREGNATED BLDG PAPER BETWEEN PLYWOOD AND

CONCRETE OR ALTERNATIVE 1" -

3 5/8" \ 2" 7 1/4" \ -1/2"

WIDTH

TYPICAL EXT WALL FOOTING

AIR SPACE -

INSULATION -

PLYWOOD -

INSULATION -

POUR STEM WALL

#4 @ 12" OC EA FACE EA WAY —

SLAB ON GRADE PER PLAN

SECTION

1 1/2" = 1'-0"

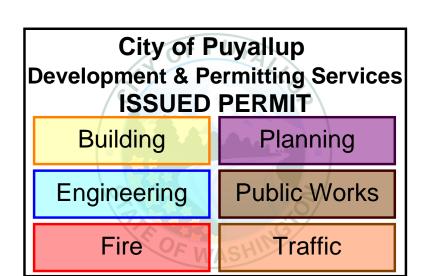
(2) #4 CONT

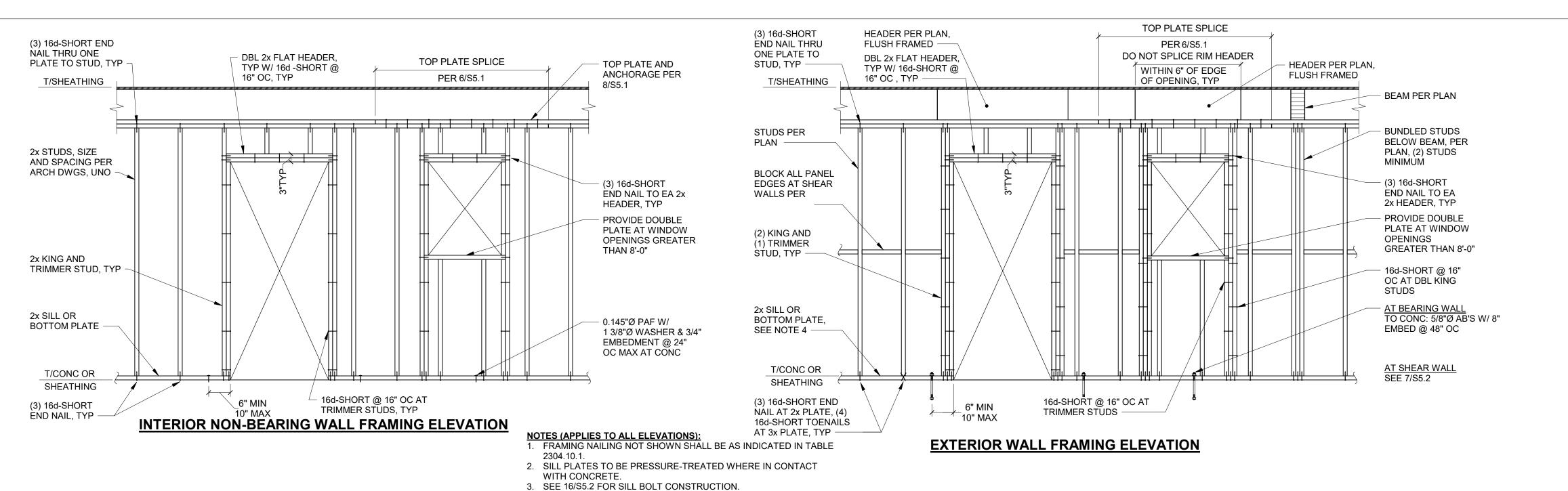
AFTER INSTALLING SHEATHING —

WEATHER BARRIER -

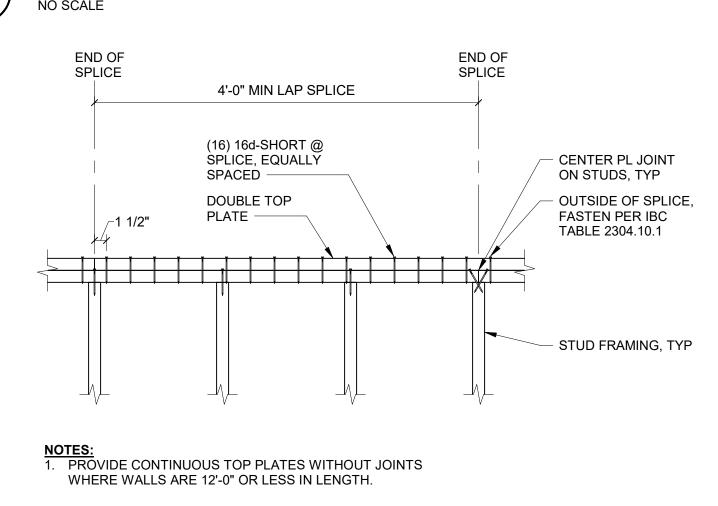
BRICK -

PRCNC20220958





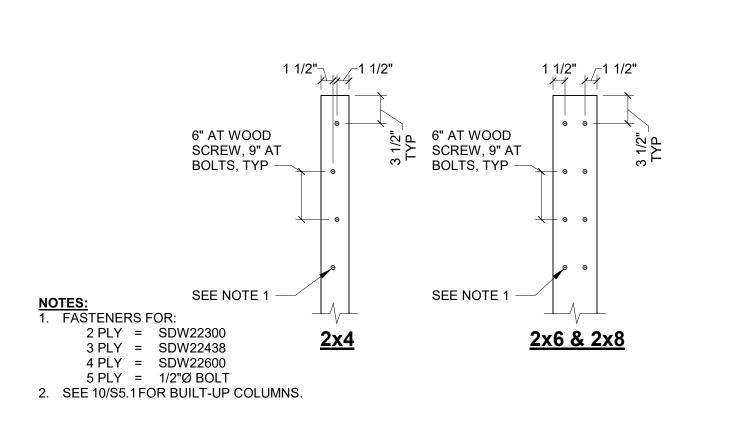
TYP STUD WALL FRAMING ELEVATION



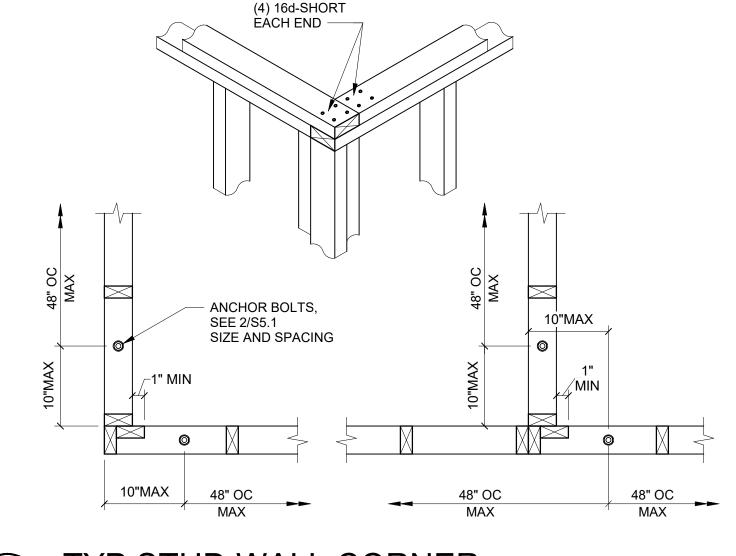
TYP TOP PLATE SPLICE

	COLUMN SCHEDULE												
TYPE MARK	TYPE	COLUMN CAP TYPE	COLUMN BASE TYPE	TYPE COMMENTS									
C-1	GL 6 3/4x6	CC77	CB7-6	ROTATE STRAPS AT CAP AND BASE 90 DEGREES									
C-2	GL 5 1/8x6	CC76	CB5-6	ROTATE STRAPS AT CAP AND BASE 90 DEGREES									
C-3	6x6	SEE 11/S5.3	HOLD-DOWNS PER PLAN	-									
C-4	(4) 2x8	SEE 11/S5.3	HOLD-DOWNS PER PLAN	-									
C-5	(4) 2x8	SEE 13/S5.3	HOLD-DOWNS PER PLAN	-									

WOOD POST AND BUILT-UP COLUMN SCHEDULE
NO SCALE



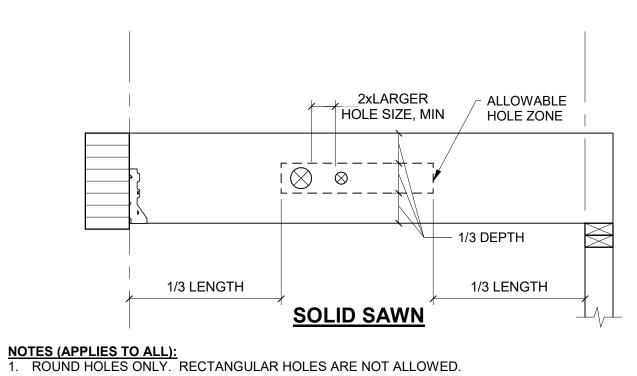
BUILT-UP COLUMN FASTENERS



4. INCREASE SILL PLATE SIZE TO 3x WHERE REQUIRED BY SHEAR

WALL SCHEDULE PER 7/S5.2.

TYP STUD WALL CORNER

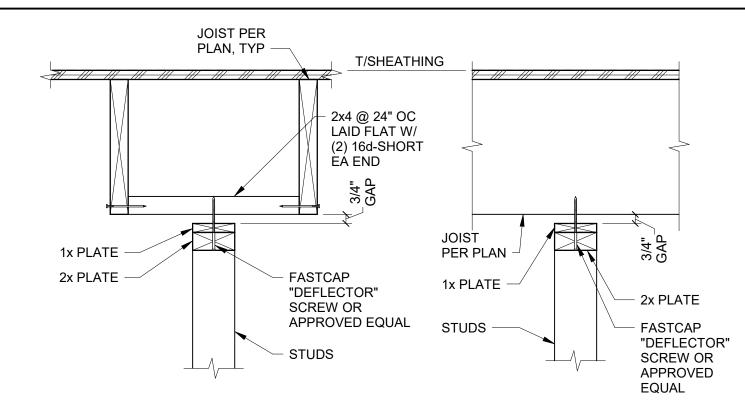


2. NO HOLES IN CANTILEVERS. 3. NO HOLES IN HEADERS. 4. OTHER HOLES NOT DESCRIBED ABOVE SHALL BE SUBJECT TO APPROVAL OF THE STRUCTURAL ENGINEER PRIOR TO DRILLING.

TYP HOLES IN WOOD JOISTS AND BEAMS

	HARDWARE SCHEDULE										
TYPE MARK	SIMPSON MODEL#	TYPE COMMENTS									
$\langle A \rangle$	(2) L50										
$\langle B \rangle$	(2) L70	-									
C	HUC412	TYP OF ALL 4x12 AT ROOF EDGE									

HARDWARE SCHEDULE

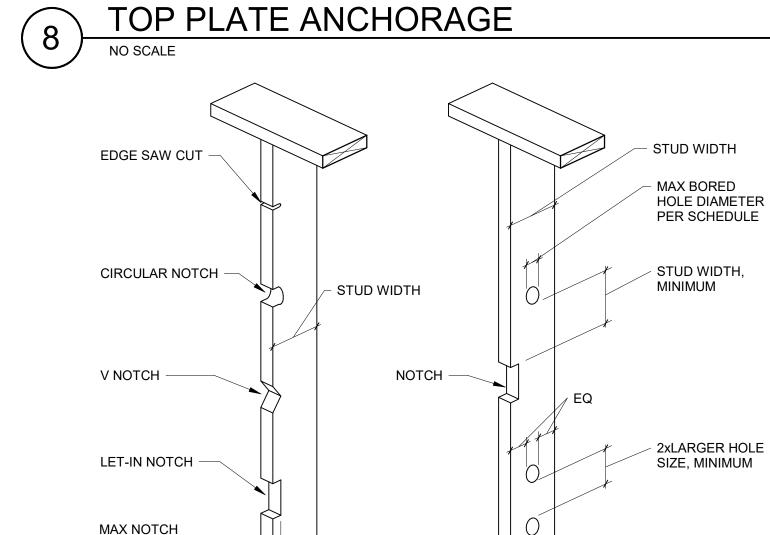


PARALLEL TO JOISTS PERPENDICULAR TO JOISTS

NOTES:

1. DO NOT INSTALL NON-BEARING PARTITIONS UNTIL DEAD LOAD IS IN PLACE. AT ROOF CONSTRUCTION AND WHERE A DEFLECTION SPACE HAS BEEN PROVIDED FOR, THIS REQUIREMENT MAY BE WAIVED. 2. DO NOT CONNECT CEILING GYP BOARD TO FRAMING WITHIN 24" OF NON-STRUCTURAL PARTITION WALL. OPTION FOR CONTRACTOR TO USE FASTCAP "F-CORNER" TO SUPPORT CEILING

TYP INTERIOR NON-BEARING WALL



NOTCHES IN STUDS

DEPTH PER

SCHEDULE

	R/BEARING/SH TUD PENETRA				
STUD SIZE	MAX NOTCH DEPTH	MAX BORED HOLE			
2x4 & 3x4	7/8"	1-3/8"Ø			
2x6 & 3x6	1-3/8"	2-1/8"Ø			
2x8 & 3x8	1-3/4"	2-7/8"Ø			

BORED HOLES IN STUDS

NON-BEARING WALL STUD PENETRATION									
STUD SIZE	MAX NOTCH DEPTH	MAX BORED HOLE DIAMETER							
2x4 & 3x4	1-3/8"	2"Ø							
2x6 & 3x6	2-1/8"	3-1/4"Ø							
2x8 & 3x8	2-7/8"	4-1/4"Ø							

NOTES:

1. DO NOT NOTCH OR BORE HOLES IN MORE THAN TWO ADJACENT STUDS WITHOUT APPROVAL BY STRUCTURAL ENGINEER.

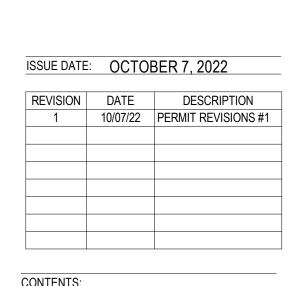
2. NOTCHES AND BORED HOLES ARE NOT PERMITTED IN SHEAR WALL COMPRESSION STUDS. TYP WALL STUD PENETRATIONS







PERMIT SET



CONTENTS: **TYPICAL WOOD** FRAMING DETAILS

SCALE:
DRAWN:
CHECKED: As indicated DBG JJC 2200191 PROJECT NO:

S5.1





PARK MS UPGRADE

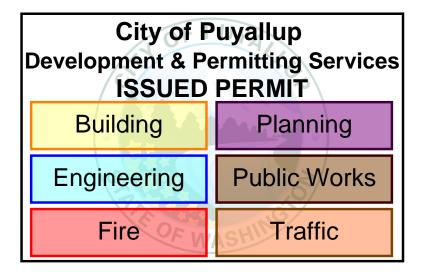
PERMIT SET

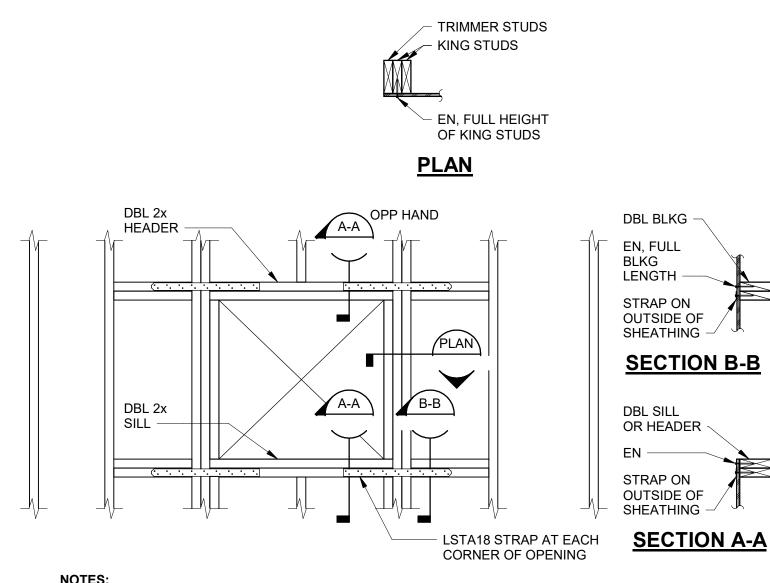
	BER 7, 2022
DATE	DESCRIPTION

TYPICAL WOOD FRAMING DETAILS

SCALE: As indicated
DRAWN: DBG
CHECKED: JJC
PROJECT NO: 2200191

SHEET: **\$5.2**

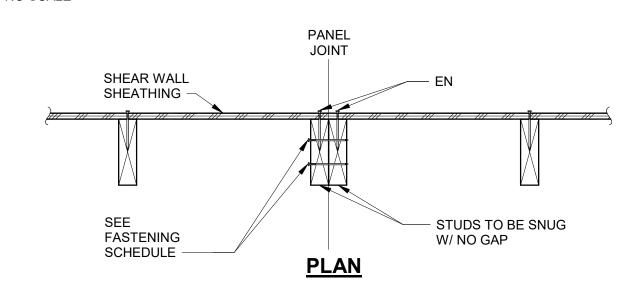




1. WALL SHEATHING NOT SHOWN FOR CLARITY.

STRAPS AROUND SHEAR WALL OPENINGS

NO SCALE



	NING SCHEDULE NEL JOINTS	
SHEAR WALL TYPE	STUD FASTENING	
SW6	(2) 16d-SHORT @ 12" OC	NOTES:
SW4	(2) 16d-SHORT @ 8" OC	 THIS DETAIL APPLIES WHERE DOUBLE 2x STUD
SW3	(2) 16d-SHORT @ 6" OC	ARE USED AT SHEAR WA PANEL JOINTS IN LIEU OF
SW2	(2) 16d-SHORT @ 4" OC	FRAMING PER NOTE 10 O 7/S5.2 .

STUD FASTENING AT

SHEAR WALL PANEL JNTS

HOLD-DOWN AND COMPRESSION STUD SCHEDULE											
TYPE MARK	HOLD-DOWN	THREADED ROD SIZE	WASHER PL SIZE	MIN ROD EMBEDMENT	COMPRESSION STUDS, SEE NOTE 1						
1	HDU8-SDS2.5	7/8"Ø	1/2X2-1/2X0'-2 1/2"	9"	(3) 2x6						
2	HDU8-SDS2.5	7/8"Ø	1/2X2-1/2X0'-2 1/2"	9"	COL PER PLAN						

NOTES:

1. SEE PLAN FOR STUD SIZE. FASTEN COMPRESSION STUDS TOGETHER PER 14/S5.1.

HOLD-DOWN AND
COMPRESSION STUD SCHEDULE
NO SCALE

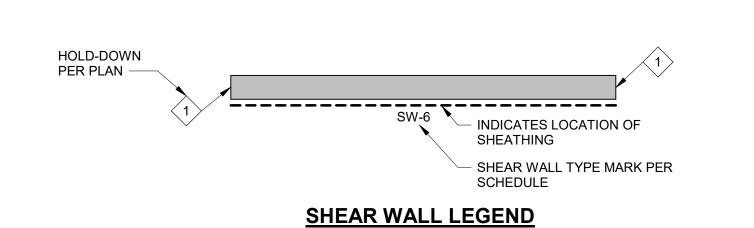
WOOD SHEAR WALL SCHEDULE ALL VALUES ARE BASED ON 2018 IBC AND SDPWS-15 FOR STRUCTURAL PANEL SHEAR WALL WITH FRAMING OF DOUGLAS FIR-LARCH STUD OR FASTENER SPACING **BLOCKING** SEISMIC NUMBER OF SIZE AT **BOTTOM OF WALL CONNECTION TOP OF WALL ALLOWABLE** TYPE MARK SIDES OF **ADJOINING** BOUNDARIES INTERMEDIATE AT CONCRETE CONNECTION SHEAR SHEATHING **PANEL** AND PANEL STUDS, SEE (LBS/FT) EDGES, SEE NOTE 9 EDGES, SEE NOTE 10 NOTE 8 SW-6 6" OC 12" OC 310 5/8"Ø AB @ 24" OC @ 16" OC SDS25600 SW-4 4" OC 12" OC 5/8"Ø AB @ 16" OC @ 12" OC SDS25600 3" OC 12" OC 5/8"Ø AB @ 12" OC @ 8" OC SDS25600 770 2" OC 12" OC 5/8"Ø AB @ 8" OC @ 8" OC

NOTES:

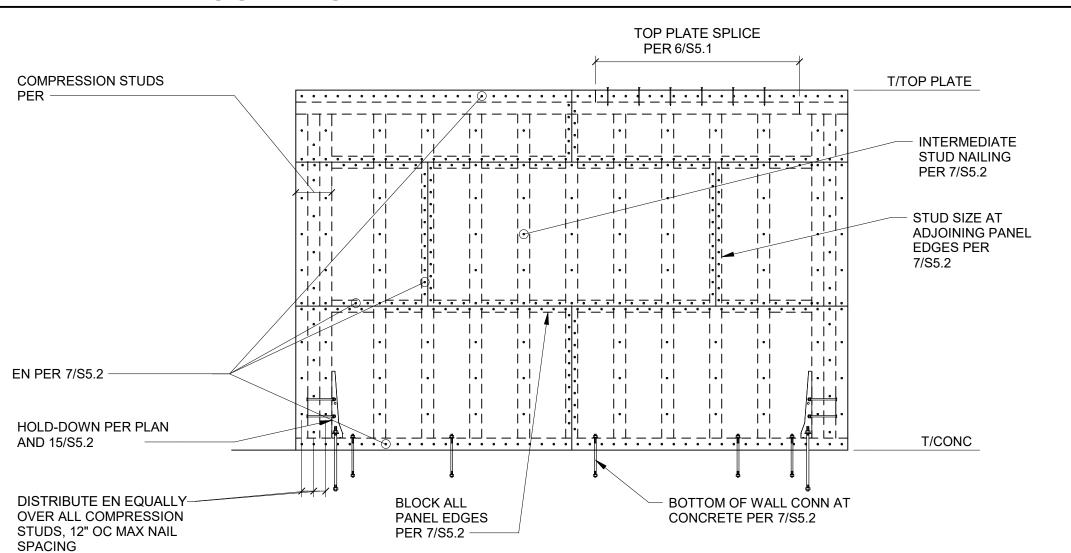
1. SHEATHING NAIL SIZE SHALL BE 0.148"Ø WITH 1-1/2" MINIMUM PENETRATION INTO FRAMING.

- REFERENCE STRUCTURAL NOTES FOR SHEATHING TYPE AND THICKNESS.
 INSTALL SHEATHING PANELS EITHER HORIZONTALLY OR VERTICALLY.
 PLATE WASHERS FOR SILL BOLTS SHALL BE PER 16/S5.2.
- 5. WHERE NAIL SPACING IS LESS THAN 4" OC, STAGGER EDGE NAILING 1/2".
 6. REFER TO 11/S5.2 FOR SHEAR WALL NAILING DETAIL.
 7. PRESSURE TREATED SILL PLATE SHALL BE 3x FRAMING.
- WALL BOUNDARIES INCLUDE TOP PLATE, BOTTOM PLATE, SILL PLATE, AND COMPRESSION STUDS, UNO.
 FASTENER SPACING AT INTERMEDIATE MEMBERS SHALL BE 6" OC WHERE
- 9. FASTENER SPACING AT INTERMEDIATE MEMBERS SHALL BE 6" OC WHERE STUD SPACING IS 24" OC.

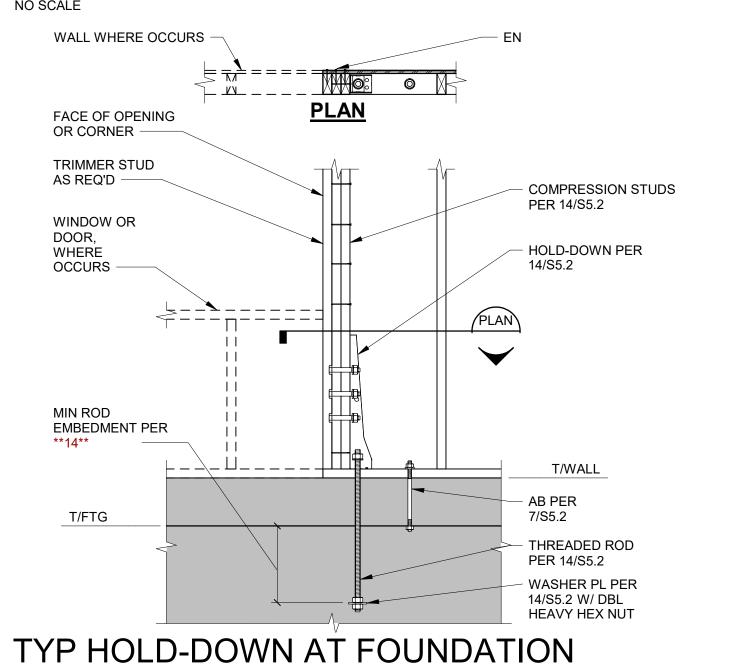
 10. AT CONTRACTOR'S OPTION, (2) 2x STUDS MAY BE USED IN LIEU OF 3x STUD FRAMING. SEE 10/S5.2 FOR DOUBLE STUD FASTENING.



WOOD SHEAR WALL SCHEDULE
NO SCALE



TYP SHEAR WALL NAILING



D ROD

2
PL PER

D BL

EX NUT

TYP ANCHOR BC

NO SCALE

EN, TYP

BEARING WALL

5" AT 2x6 WALL / 6 3/4" AT 2x8 STUD WALL

7/S5.2

- WASHER PL

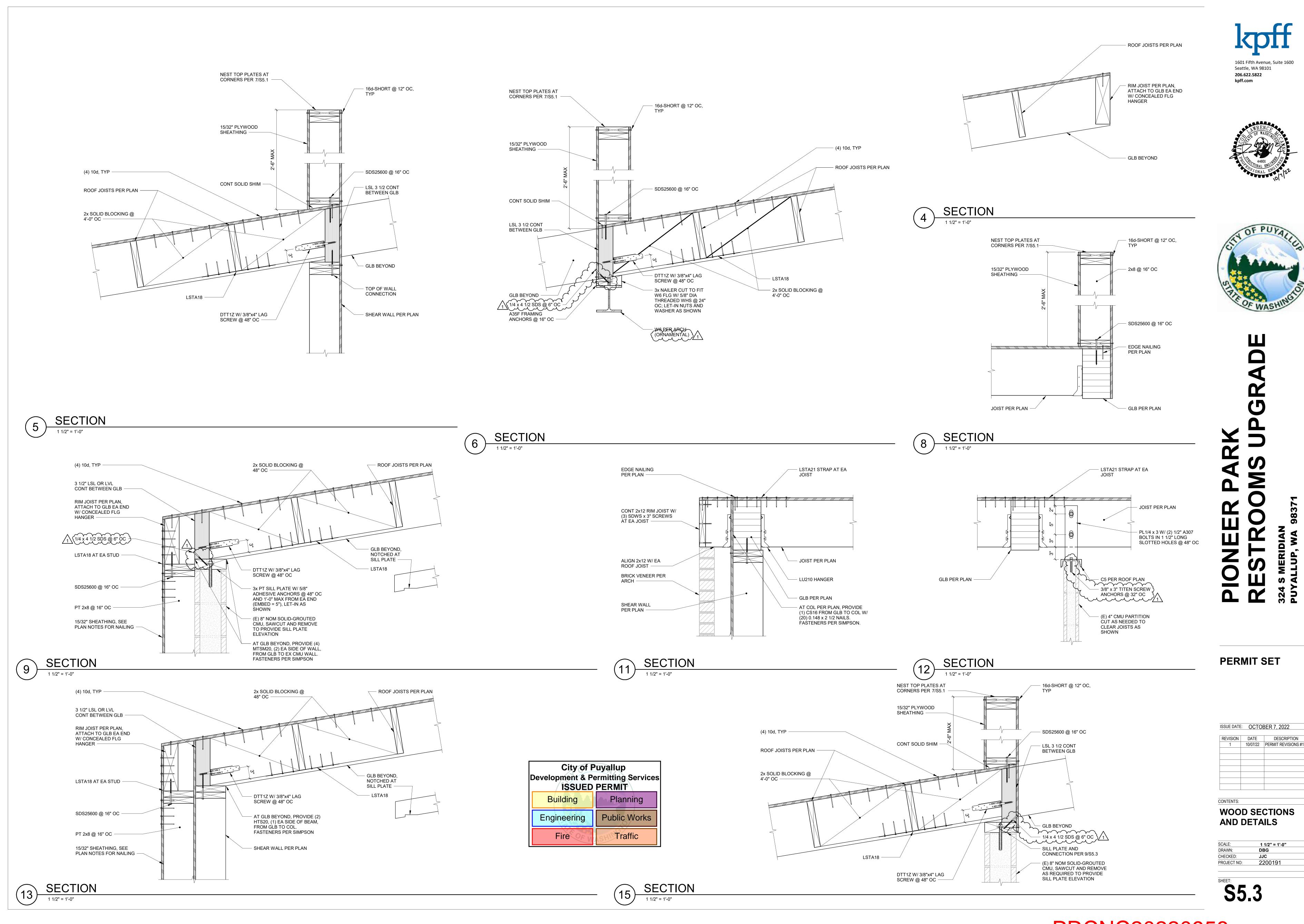
3GAx3

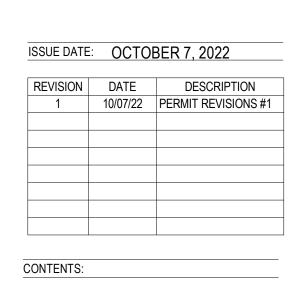
- AB PER 7/S5.2

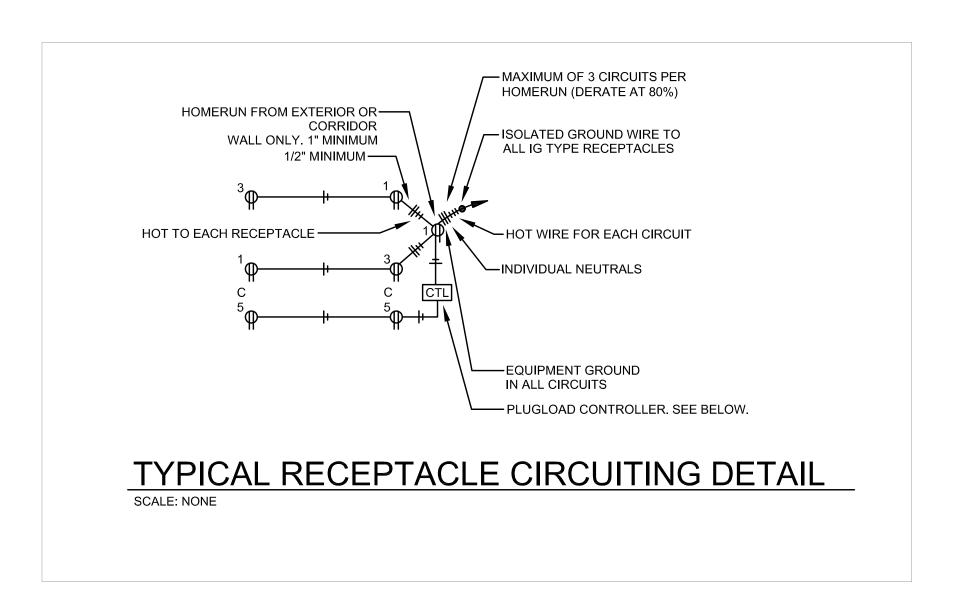
- STANDARD

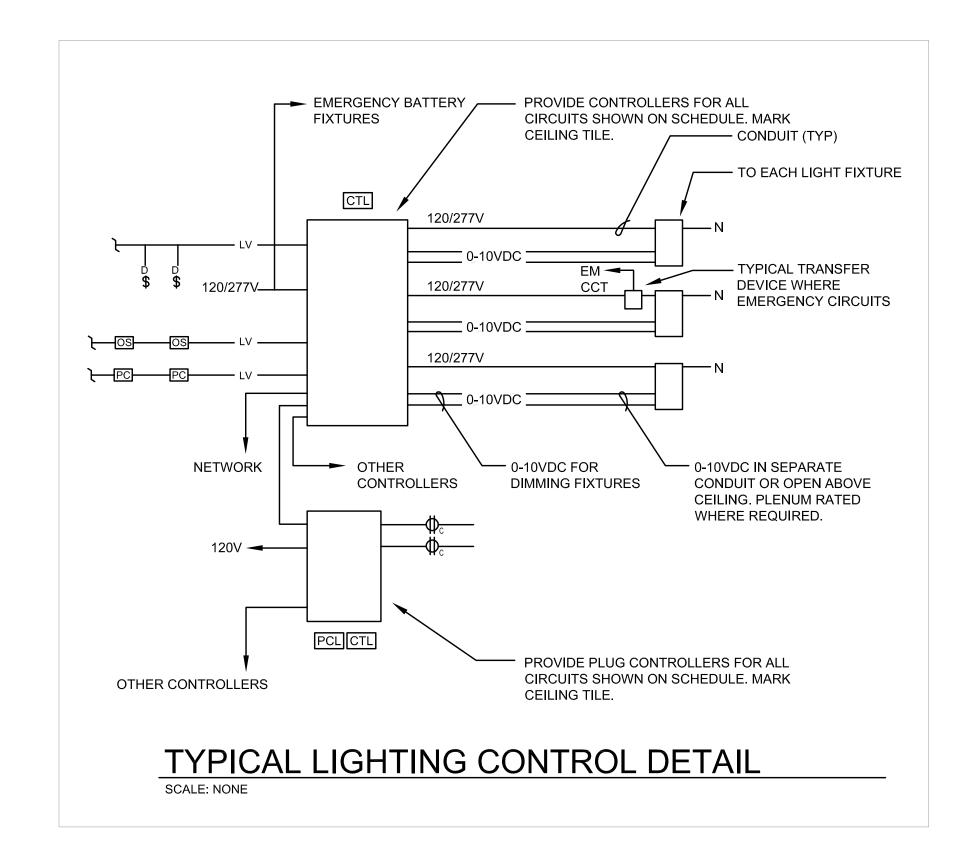
CUT WASHER

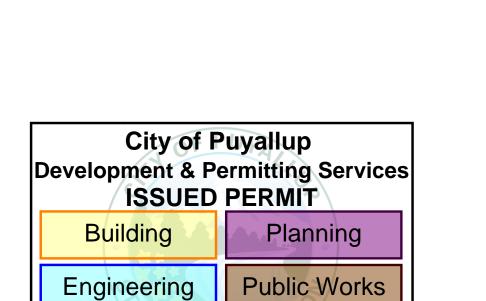
T/STEM WALL











Fire



LEGEND

⟨◎ ○ ◎ RECESSED LIGHT FIXTURE

□□ ○ WALL MOUNTED FIXTURE

\$ WALL SWITCH, 1-POLE

OS OCCUPANCY SENSOR

PHOTO CELL WALL MOUNT

PCL PLUG LOAD CONTROLLER

CTL LIGHTING CONTROLLER

PC PHOTO CELL

回① JUNCTION BOX

CIRCUIT BREAKER

SWITCH

FUSED SWITCH

▶ BUS TAP

480V PANEL

T TRANSFORMER

└ LVR

- FUSE

OCCUPANCY SENSOR WALL MOUNT

RP OCCUPANCY SENSOR RELAY PACK

\$ DIGITAL SWITCH

RECESSED LIGHT FIXTURE, LETTERS DENOTE SWITCHING

FIXTURE ON EMERGENCY CIRCUIT OR BATTERY BACKUP

EMERGENCY BATTERY LIGHT, TYPE X-1, EXCEPT AS NOTED

\$ WALL SWITCH, KEYED OPERATED, TYPE AS INDICATED

S WALL SWITCH WITH INTEGRAL OCCUPANCY SENSOR

XXX XXXX LIGHTING FIXTURE TYPE DESIGNATOR, SEE LIGHT FIXTURE SCHEDULE

♣ TR DUPLEX RECEPTACLE ABOVE COUNTER

TR DOUBLE DUPLEX RECEPTACLE

GFI → TR DUPLEX RECEPTACLE GFI TYPE

WEATHERPROOF TR RECEPTACLE

SPECIAL RECEPTACLE AS NOTED

EL ELECTRONIC LOCK CONNECTION

DS DOOR POSITION SWITCHH

K KEYPAD, WEATHERPROOF

TRANSFORMER

208V OR 240V PANEL

IG ISOLATED GROUND

WP WEATHERPROOF

1 FLAG NOTE

GROUNDING PER CODES

FOIC FURNISHED BY OWNER INSTALLED BY CONTRACTOR

FUID FURNISHED BY OWNER INSTALLED BY OWNER

GFI GROUND FAULT CIRCUIT INTERRUPTER

XXXX AVAILABLE FAULT CURRENT AS INDICATED

SURFACE OR PENDANT MOUNTED LIGHT FIXTURE

HOME RUN TO DESTINATION INDICATED. 1" MINIMUM UNLESS NOTED OTHERWISE.

Seattle, WA 98109
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architecture resource collaborative

119 MAIN ST, STE #200
SEATTLE, WA 98104-2579
(206) 322-3322



WASHINGTON WASHINGTON WASHINGTON

PIONEER PARK
RESTROOMS UPGF

PERMIT SET

REVISION DATE DESCRIPTION

CONTENTS:

ELECTRICAL LEGEND

SCALE: AS INDICATED
DRAWN: KH/PM
CHECKED: KW
PROJECT NO: 2021016.000

E1.0

Traffic

GRILLE: RETURN/EXHAUST

EXHAUST AIR DUCT SECTION

PLUMBING LEGEND <u>SYMBOL</u> **DESCRIPTION** PLUMBING FIXTURE CALLOUT, SEE PLUMBING PLANS FOR EXACT LOCATION AND REQUIREMENTS EQUIPMENT CALLOUT, SEE PLUMBING PLANS FOR EXACT LOCATION AND REQUIREMENTS POINT OF CONNECTION NEW PIPE (SIZE-SERVICE) SANITARY PIPE BURIED $\leftarrow ----$ SANITARY VENT }-----DOMESTIC HOT WATER RETURN DOMESTIC HOT WATER SUPPLY DOMESTIC COLD WATER VALVE AT DROP **ELBOW DOWN** BALL VALVE BALANCING VALVE CHECK VALVE, SWING STRAINER, Y-TYPE THERMOMETER NEEDLE VALVE PRESSURE GAUGE

BACKFLOW PREVENTER

FLOOR DRAIN

FLOOR CLEANOUT

WALL CLEANOUT

HOSE BIBB

CLEANOUT TO GRADE

WATER HAMMER ARRESTOR

PLUMBING ABBREVIATIONS

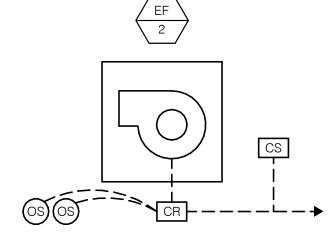
ABBREVIATION DESCRIPTION

FEET

A/C ABOVE CEILING ABV ABOVE ABOV ABOVE ABOV ABOVE ABOV	@	AT	GCO	GROUND CLEAN-OUT
AD AREA DRAIN AFF ABOVE FINISHED FLOOR AFG ABOVE FINISHED GRADE AFSR AUTOMATIC FIRE SPRINKLER RISER BDD BACKDRAFT DAMPER B/F BELOW FLOOR B/F BELOW FLOOR B/G BELOW GRADE BFP BACKFLOW PREVENTER BV BALL VALVE CI CAST IRON CIP CAST IRON PIPE COTG COTG CIELING COTG COLEAN-OUT TO GRADE DF DF DRINKING FOUNTAIN DF DRINKING FOUNTAIN DS DOWN POUNTAIN DS DOWN POUNTAIN DW DS DOWN POUNTAIN DW DW DS DOWN POUNTAIN DW DW DR DR DR DR DR DR DR DR				
AFF ABOVE FINISHED FLOOR AFG ABOVE FINISHED GRADE HDR HEADER AFSR AUTOMATIC FIRE SPRINKLER RISER IN INCHES BDD BACKDRAFT DAMPER L OF LAV LAVATORY B/F BELOW FLOOR MAX MAXIMUM B/G BELOW GRADE MIN MINIMUM BEL BELOW BFP BACKFLOW PREVENTER NTS NOT TO SCALE BTM BOTTOM OS & Y OPEN SCREW AND YOKE BV BALL VALVE POC POINT OF CONNECTION CIP CAST IRON PIPE PSI POUNDS PER SQUARE INCE CLG CEILING RD ROOF DRAIN COTG CLEAN-OUT TO GRADE RI & C ROUGH-IN AND CONNECT CU CUBIC SOV SHUT-OFF VALVE DEPT DEPARTMENT SQ SQUARE DN DOWN T/B TO BELOW DN DOWN T/B TO BELOW DS DOWNSPOUT TP TRAP PRIMER EWC ELECTRICAL WATER COOLER EXIST / (E) EXISTING FOO PLOOR CLEAN-OUT FF FINISHED FLOOR FM FORCE MAIN WHA WATER HAMMER ARRESTOR				
AFG ABOVE FINISHED GRADE HDR HEADER AFSR AUTOMATIC FIRE SPRINKLER RISER IN INCHES BDD BACKDRAFT DAMPER L OF LAV LAVATORY B/F BELOW FLOOR MAX MAXIMUM B/G BELOW GRADE MIN MINIMUM BEL BELOW MTD MOUNTED BFP BACKFLOW PREVENTER NTS NOT TO SCALE BTM BOTTOM OS & YOPEN SCREW AND YOKE BV BALL VALVE POC POINT OF CONNECTION CIP CAST IRON PIPE CLG CEILING RD POD POINT OF DISCONNECTION CIP CAST IRON PIPE CUG CEILING RD ROOF DRAIN COTG CLEAN-OUT TO GRADE RI & C ROUGH-IN AND CONNECT CU CUBIC SOV SHUT-OFF VALVE DEPT DEPARTMENT SQ SQUARE DN DOWN T/B TO BELOW DS DOWNSPOUT TP TRAP PRIMER DWG DRAWING(S) TYP TYPICAL EQUIP EQUIPMENT EWC ELECTRICAL WATER COOLER UG UNDERGROUND EXIST / (E) EXISTING FOO BRAIN FOO WATER CLOSET FD FLOOR DRAIN FF FINISHED FLOOR WH WATER HAMMER ARRESTOL				
AFSR AUTOMATIC FIRE SPRINKLER RISER IN INCHES BDD BACKDRAFT DAMPER L or LAV LAVATORY B/F BELOW FLOOR MAX MAXIMUM B/G BELOW GRADE MIN MINIMUM BEL BELOW MTD MOUNTED BFP BACKFLOW PREVENTER NTS NOT TO SCALE BTM BOTTOM OS & Y OPEN SCREW AND YOKE BV BALL VALVE POC POINT OF CONNECTION CIP CAST IRON POD POINT OF DISCONNECTION CIP CAST IRON PIPE PSI POUNDS PER SQUARE INCI CLG CEILING RD ROOF DRAIN COTG CLEAN-OUT TO GRADE RI & C ROUGH-IN AND CONNECT CU CUBIC SOV SHUT-OFF VALVE DEPT DEPARTMENT SQ SQUARE DF DRINKING FOUNTAIN SS SERVICE SINK DIA DIAMETER T/A TO ABOVE DN DOWN T/B TO BELOW DS DOWNSPOUT TP TRAP PRIMER DWG DRAWING(S) TYP TYPICAL EQUIP EQUIPMENT U URINAL EWC ELECTRICAL WATER COOLER EXIST / (E) EXISTING UON UNLESS OTHERWISE NOTE F/B FROM BELOW FOR EMANDER FM FORCE MAIN WHA WATER HAMMER ARRESTOR	AFF	ABOVE FINISHED FLOOR		HIGH LEVEL
BDD BACKDRAFT DAMPER B/F BELOW FLOOR B/G BELOW GRADE BFD BACKFLOW PREVENTER BFP BACKFLOW PREVENTER BTM BOTTOM CIP CAST IRON CIP CAST IRON COTG CU CUBIC CU CUBIC CDEPT DEPARTMENT DEPARTMENT DIA DIAMETER DIA DIAMETER DIA DOWN DS DOWNSPOUT DWG EXIST / (E) EXISTING EXIST / (E) EXISTING EXIST / (E) EXISTING BELOW GRADE MINN MINN MINIMUM MINIMUR MAX MAXIMUM MAX MAXIMUM MAX MATER HAMMER ARRESTOR MAX MAXIMUM MATER HAMMER ARRESTOR MAX MAX MAXIMUM MATER HAMMER ARRESTOR MAX MAXIMUM MATER HAMMER MATER HAMMER MATER HAMMER MATER HAMMER MATER MAX MAXIMUM MATER LC LAVATOR MAX MAXIMUM MATER LC LAVATOR MAX MAXIMUM MATER LC LAVATOR MAX MAXIMA MAX MAXIMA MAX MAXIMA MAX MAXIMA MAX MAXIMA MATER LC LAVATOR MAX MAXIMA MAX MAXIMA MAX MAXIMA MAX MAXIMA MAX MAXIMA MATER LC LAVATOR MAX MAXIMA MAX MAXIMA MAX MAXIMA MAX MAXIM	AFG		HDR	HEADER
B/F BELOW FLOOR B/G BELOW GRADE MIN MINIMUM BEL BELOW BFP BACKFLOW PREVENTER BTM BOTTOM OS & Y OPEN SCREW AND YOKE BV BALL VALVE POC POINT OF CONNECTION CI CAST IRON CIP CAST IRON PIPE CLG CEILING COTG CLEAN-OUT TO GRADE DF DRINKING FOUNTAIN DIA DIAMETER DN DOWN T/B DN DOWN T/B DN DOWN T/B DN DOWNSPOUT DWG DN DAWING(S) EQUIP EQUIPMENT EWC ELST / (E) EXISTING EXIST / (E) FROM BELOW FLOOR FM MAX MAXIMUM MINIMUM M	AFSR	AUTOMATIC FIRE SPRINKLER RISER	IN	INCHES
B/G BELOW GRADE BEL BELOW MTD MOUNTED BFP BACKFLOW PREVENTER BTM BOTTOM OS & Y OPEN SCREW AND YOKE BV BALL VALVE POC POINT OF CONNECTION CI CAST IRON POD POINT OF DISCONNECTION CIP CAST IRON PIPE PSI POUNDS PER SQUARE INCOME CLG CEILING RD ROOF DRAIN COTG CLEAN-OUT TO GRADE RI & C ROUGH-IN AND CONNECT CU CUBIC SOV SHUT-OFF VALVE DEPT DEPARTMENT SQ SQUARE DF DRINKING FOUNTAIN SS SERVICE SINK DIA DIAMETER T/A TO ABOVE DN DOWN T/B TO BELOW DS DOWNSPOUT TP TRAP PRIMER DWG DRAWING(S) TYP TYPICAL EWC ELECTRICAL WATER COOLER UG UNDERGROUND EXIST / (E) EXISTING UON UNLESS OTHERWISE NOTE F/A FROM ABOVE VTR VENT HAMMER ARRESTOR FM FORCE MAIN WHA WATER HEATER FM FORCE MAIN MINIMUM MOUNTED MOUNTED NOUNTED AND OPEN SCREW AND YOKE POP POINT OF CONNECTION AND OPEN SCREW AND YOKE POP POINT OF CONNECTION BY OPEN SCREW AND YOKE AND OPEN SCREW AND YOKE	BDD	BACKDRAFT DAMPER	L or LAV	LAVATORY
B/G BELOW GRADE BEL BELOW BEL BELOW BFP BACKFLOW PREVENTER BTM BOTTOM OS & Y OPEN SCREW AND YOKE BV BALL VALVE POC POINT OF CONNECTION CI CAST IRON POD POD POINT OF DISCONNECTION CIP CAST IRON POD POUNDS PER SQUARE INCH CLG CEILING RD ROOF DRAIN COTG CLEAN-OUT TO GRADE RI & C ROUGH-IN AND CONNECT CU CUBIC SOV SHUT-OFF VALVE DEPT DEPARTMENT SQ SQUARE DF DRINKING FOUNTAIN SS SERVICE SINK DIA DIAMETER T/A TO ABOVE DN DS DOWNSPOUT TP TRAP PRIMER DWG DRAWING(S) TYP TYPICAL EQUIP EQUIPMENT U U URINAL EWC ELECTRICAL WATER COOLER EXIST / (E) EXISTING UON UNLESS OTHERWISE NOTE F/A FROM ABOVE F/B FROM BELOW W W WITH FCO FLOOR CLEAN-OUT WC WATER CLOSET FO FINISHED FLOOR WH WATER HEATER	B/F	BELOW FLOOR	MAX	MAXIMUM
BEL BELOW MTD MOUNTED BFP BACKFLOW PREVENTER NTS NOT TO SCALE BTM BOTTOM OS & Y OPEN SCREW AND YOKE BV BALL VALVE POC POINT OF CONNECTION CI CAST IRON POD POINT OF DISCONNECTION CIP CAST IRON PIPE PSI POUNDS PER SQUARE INCE CLG CEILING RD ROOF DRAIN COTG CLEAN-OUT TO GRADE RI & C ROUGH-IN AND CONNECT CU CUBIC SOV SHUT-OFF VALVE DEPT DEPARTMENT SQ SQUARE DF DRINKING FOUNTAIN SS SERVICE SINK DIA DIAMETER T/A TO ABOVE DN DOWN T/B TO BELOW DS DOWNSPOUT TP TRAP PRIMER DWG DRAWING(S) TYP TYPICAL EQUIP EQUIPMENT U URINAL EWC ELECTRICAL WATER COOLER UG UNDERGROUND EXIST / (E) EXISTING UON UNLESS OTHERWISE NOTE F/A FROM ABOVE YTR VENT THRU ROOF F/B FROM BELOW FFO FLOOR CLEAN-OUT FF FINISHED FLOOR WH WATER HAMMER ARRESTOR		BELOW GRADE	MIN	MINIMUM
BFP BACKFLOW PREVENTER BTM BOTTOM BV BALL VALVE CLI CAST IRON CIP CAST IRON CIP CAST IRON COTG COTG COTG COTG COTG COTG COTG COTG			MTD	MOUNTED
BTM BOTTOM BV BALL VALVE BV BALL VALVE CI CAST IRON CI CAST IRON CIP CAST IRON COTG CEILING COTG CLEAN-OUT TO GRADE CU CUBIC CU CUBIC CU CUBIC CIP CIP CIP CIP CIP CIP CIP CIP CIP C			NTS	NOT TO SCALE
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FM FORCE MAIN WHA WATER HAMMER ARRESTOR			WH	WATER HEATER
			WHA	WATER HAMMER ARRESTOR
	FS	FLOOR SINK		

RESTROOM EXHAUST FAN EF-1 OPERATES CONTINUOUSLY DURING OCCUPIED HOURS TO EXHAUST MENS AND WOMENS RESTROOMS. DDC STARTS/STOPS FAN, MONITORS FAN, AND ALARMS UPON FAILURE OF FAN TO OPERATE.





RESTROOM EXHAUST FAN EF-2 IS CONTROLLED BY OCCUPANCY SENSORS IN THE FAMILY RESTROOMS. FAN STARTS WHEN EITHER RESTROOM IS OCCUPIED AND RUNS FOR A MINIMUM OF 15 MINUTES. DDC MONITORS FAN AND ALARMS UPON FAILURE OF FAN TO OPERATE.



City of Puyallup **Development & Permitting Services ISSUED PERMIT** Planning Building Engineering **Public Works** Traffic Fire

GENERAL NOTES

- 1. ALL WORK SHALL COMPLY WITH THE 2018 EDITIONS OF THE INTERNATIONAL BUILDING, MECHANICAL, PLUMBING, AND OTHER APPLICABLE FEDERAL, STATE, OR LOCAL CODES AS ADOPTED AND ENFORCED BY THE LOCAL JURISDICTION. IN CASE THE PLANS SHOW MORE STRINGENT REQUIREMENTS, THE PLANS SHALL GOVERN THE DESIGN, YET NOTHING ON THE DESIGN DOCUMENTS SHALL BE INTERPRETED AS AUTHORITY TO VIOLATE CODE(S) OR REGULATION(S).
- 2. SUBMISSION OF BID IN CONNECTION WITH THIS WORK SHALL IMPLY THAT THE BIDDER HAS EXAMINED THE JOB SITE UNDER WHICH THE CONTRACTOR WILL BE OBLIGATED TO OPERATE UNDER THIS CONTRACT. NO

EXTRA CHARGE WILL BE ALLOWED FOR FAILURE OF ANY BIDDER TO EXAMINE THE SITE PRIOR TO BID.

- 3. WHERE USED, THE TERM "PROVIDE" SHALL MEAN "FURNISH AND INSTALL".
- 4. IN THE EVENT OF A CONFLICT OR INCONSISTENCY BETWEEN ITEMS INDICATED ON DRAWINGS AND SPECIFICATIONS WITH CODE REQUIREMENTS, THE MORE STRINGENT STANDARD SHALL PREVAIL.
- 5. NO PIPING, EQUIPMENT, ETC. SHALL BE REMOVED, DISCONNECTED OR SHUT DOWN WITHOUT PRIOR REVIEW WITH THE OWNER TO CONFIRM THAT AREAS TO REMAIN IN OPERATION WILL NOT BE AFFECTED. IF ANY AREAS NOT WITHIN THE SCOPE OF WORK ARE AFFECTED BY ANY SHUTDOWN, REMOVAL OR DISCONNECTION, SUFFICIENT ADVANCE NOTICE MUST BE GIVEN TO THE OWNER INDICATING WHICH AREAS WILL BE AFFECTED, WHEN THE PROPOSED SHUTDOWN WILL OCCUR, AND FOR HOW LONG A PERIOD OF
- 6. THE ARRANGEMENT OF EQUIPMENT AND PIPING SHOWN ON THE DRAWINGS IS BASED UPON INFORMATION AVAILABLE TO THE ENGINEER AT THE TIME OF DESIGN AND IS NOT INTENDED TO SHOW EXACT DIMENSIONS. THIS CONTRACTOR SHALL VERIFY ALL DIMENSIONS AT THE SITE MAKING FIELD MEASUREMENTS AND SHOP DRAWINGS NECESSARY FOR FABRICATION OR ERECTION OF HVAC SYSTEMS. MAKE ALLOWANCE FOR BEAMS, PIPES AND OTHER OBSTRUCTIONS IN BUILDING CONSTRUCTION.
- 7. THIS CONTRACTOR SHALL COORDINATE HIS WORK WITH ALL OTHER TRADES PRIOR TO FABRICATION, PURCHASE AND/OR INSTALLATION OF ALL WORK.
- 8. EXISTING MATERIALS THAT ARE REMOVED SHALL NOT BE REUSED IN NEW SYSTEMS, EXCEPT WHERE INDICATED AS BEING RELOCATED.
- 9. ALL EQUIPMENT SHALL BE INSTALLED IN STRICT COMPLIANCE WITH THE MANUFACTURER'S WRITTEN
- INSTRUCTIONS. 10. THIS CONTRACTOR SHALL NOT BORE, NOTCH, CUT, OR PENETRATE INTO A STRUCTURAL MEMBER
- WITHOUT WRITTEN APPROVAL FROM A DESIGNATED STRUCTURAL ENGINEER AND THE OWNER. 11. ALL PIPE ELBOWS SHALL BE LONG RADIUS UNLESS OTHERWISE SPECIFICALLY NOTED ON THE DRAWINGS.
- 12. INSTALL MANUAL VOLUME DAMPERS WITHIN DUCT BRANCHES TO BALANCE AIRFLOW CFM.
- 13. COORDINATE ACCESS TO EQUIPMENT WITH WORK OF OTHER TRADES. PROVIDE DUCT ACCESS DOORS AND CEILING ACCESS DOORS TO ALLOW ACCESS TO SERVICE/REMOVE COMPONENTS INCLUDING, BUT NOT LIMITED TO, FANS, PULLEYS, SHEAVES, VOLUME DAMPERS, ETC.

PLUMBING NOTES

- 1. ALL WORK SHALL COMPLY WITH THE 2018 EDITIONS OF THE UNIFORM, PLUMBING, AND OTHER APPLICABLE FEDERAL, STATE, OR LOCAL CODES AS ADOPTED AND ENFORCED BY THE LOCAL JURISDICTION. IN CASE THE PLANS SHOW MORE STRINGENT REQUIREMENTS, THE PLANS SHALL GOVERN THE DESIGN, YET NOTHING ON THE DESIGN DOCUMENTS SHALL BE INTERPRETED AS AUTHORITY TO VIOLATE CODE(S) OR REGULATION(S).
- 2. SUBMISSION OF BID IN CONNECTION WITH THIS WORK SHALL IMPLY THAT THE BIDDER HAS EXAMINED THE JOB SITE UNDER WHICH THE CONTRACTOR WILL BE OBLIGATED TO OPERATE UNDER THIS CONTRACT. NO EXTRA CHARGE WILL BE ALLOWED FOR FAILURE OF ANY BIDDER TO EXAMINE THE SITE PRIOR TO BID.
- 3. WHERE USED, THE TERM "PROVIDE" SHALL MEAN "FURNISH AND INSTALL".
- 4. IN THE EVENT OF A CONFLICT OR INCONSISTENCY BETWEEN ITEMS INDICATED ON DESIGN PLANS / SPECIFICATIONS WITH CODE REQUIREMENTS, THE MORE STRINGENT STANDARD SHALL PREVAIL.
- 5. CONTRACTOR SHALL COORDINATE HIS WORK WITH ALL OTHER TRADES PRIOR TO FABRICATION, PURCHASE AND/OR INSTALLATION OF ALL WORK.
- 6. CONTRACTOR SHALL FURNISH LABOR, MATERIALS, EQUIPMENT, AND TRANSPORTATION AS REQUIRED TO PROPERLY INSTALL ALL PLUMBING SYSTEMS OR RELATED COMPONENTS AS INDICATED ON PLANS AND SPECIFIED HEREIN.
- 7. CONTRACTOR SHALL DOCUMENT AND RELAY ANY MAJOR DEVIATIONS FROM THE DESIGN DOCUMENTS, AND ATTAIN APPROVAL FROM THE MECHANICAL ENGINEER BEFORE PROCEEDING. AS-BUILT COPIES SHALL BE PROVIDED INDICATING ALL CHANGES / DEVIATIONS MADE DURING CONSTRUCTION. CONTRACTOR SHALL PROVIDE COMPLETED AS-BUILT DRAWINGS IN THE LATEST VERSION OF AUTOCAD OR REVIT.
- 8. THE ARRANGEMENT OF EQUIPMENT AND PIPING SHOWN ON THE DRAWINGS IS BASED UPON INFORMATION AVAILABLE TO THE ENGINEER AT THE TIME OF DESIGN AND IS NOT INTENDED TO SHOW EXACT DIMENSIONS PECULIAR TO A SPECIFIC MANUFACTURER. THE DRAWINGS ARE, IN PART, DIAGRAMMATIC AND SOME FEATURES OF THE ILLUSTRATED EQUIPMENT INSTALLATION MAY REQUIRE REVISION TO MEET ACTUAL EQUIPMENT INSTALLATION REQUIREMENTS. STRUCTURAL SUPPORTS, FOUNDATIONS, CONNECTED PIPING, VALVES, PIPE SUPPORTS AND ELECTRICAL CONDUIT SPECIFIED MAY HAVE TO BE ALTERED OR ADDITIONAL ITEMS REQUIRED TO ACCOMMODATE THE EQUIPMENT PROVIDED. NO ADDITIONAL PAYMENT WILL BE MADE FOR SUCH REVISIONS, ALTERATIONS AND / OR ADDITIONS.
- 9. ALL VALVES, TRAP PRIMERS, WATER HAMMER ARRESTERS OR OTHER EQUIPMENT SHOWN IN WALLS OR ABOVE NON-ACCESSIBLE CEILINGS SHALL BE INSTALLED BEHIND AN ACCESS PANEL.
- 10. ALL CONNECTIONS TO EXISTING SERVICES SHALL BE MADE SUCH THAT INTERRUPTION TIME WILL BE AS SHORT AS POSSIBLE. THE CONTRACTOR SHALL GIVE THE OWNER'S REPRESENTATIVE SUFFICIENT NOTICE OF SUCH INTERRUPTION AND THE ACTUAL SHUT DOWN TIME SHALL BE AT A TIME DESIGNATED BY THE OWNER'S REPRESENTATIVE.
- 11. ALL VALVES, UNIONS, ETC. TO BE SAME SIZE AS LINE SIZE UNLESS OTHERWISE INDICATED ON DRAWINGS. 12. UNIONS SHALL BE PROVIDED AND INSTALLED AFTER EACH SCREW-TYPE VALVE AND PRIOR TO EQUIPMENT CONNECTIONS.
- 13. BEFORE FABRICATION OR INSTALLATION, THE CONTRACTOR SHALL VERIFY EXACT LOCATIONS OF ALL EQUIPMENT AND FIXTURES. EXACT ROUGH-IN LOCATIONS AND REQUIREMENTS SHALL BE COORDINATED
- 14. VERIFY WITH ARCHITECTURAL DRAWINGS FOR EXACT LOCATIONS OF ALL FLOOR DRAINS.
- 15. PROVIDE AND INSTALL WATER HAMMER ARRESTORS IN THE FOLLOWING LOCATIONS (ONLY NON-FERROUS ARRESTORS MAY BE INSTALLED IN ANY WATER SYSTEM):
- A. WATER LINES TO LAVATORY HEADERS, WATER CLOSET AND URINAL HEADERS, SERVICE SINKS, AS CLOSE TO FIXTURE AS POSSIBLE. BETWEEN LAST 2 FIXTURES WHEN 3 OR MORE FIXTURES, OTHER THAN THOSE LISTED IN "A" ABOVE, ARE SERVED BY A COMMON HEADER.
- B. WHEN ARRESTOR SHALL BE INSTALLED IN WALL OR FURRING, FURNISH WITH AN ACCESS PLATE LARGE ENOUGH TO PERMIT REMOVAL OF ARRESTOR. ACCESS PLATE SHALL BE A MINIMUM OF 2 INCHES LARGER IN EACH DIRECTION THAN ARRESTOR AND MINIMUM 12" X 12".
- 16. CLEANOUTS SHALL BE PROVIDED PER 2018 UPC SECTION 707.0 & 719.0 AND TO THE FOLLOWING
- LOCATIONS: A. AT EVERY 50 FT OF STRAIGHT RUN OF HORIZONTAL PIPING.
- B. AT EACH AGGREGATE HORIZONTAL CHANGE IN DIRECTION EXCEEDING ONE HUNDRED THIRTY-FIVE (135) DEGREES.
- C. AT EACH HORIZONTAL DRAINAGE PIPE UPPER TERMINAL
- D. ABOVE EACH URINAL.
- 17. UNLESS SPECIFIED ON STRUCTURAL DRAWINGS, ANY ALTERATION OR MODIFICATIONS TO STRUCTURAL ELEMENTS BY CUTTING, DRILLING, BORING, BRACING, WELDING ETC. SHALL HAVE WRITTEN APPROVAL BY THE STRUCTURAL ENGINEER PRIOR TO START WORK.

SHEET INDEX

MP6.1

SHEET MP0.1 **DESCRIPTION** MECH LEGEND DRAWING INDEX AND CONTROLS MP0.2 SPECIFICATIONS

MP1.1 FIRST FLOOR PLAN - DEMOLITION/ PLUMBING MP1.2 FOUNDATION PLAN - MECHANICAL/ PLUMBING FIRST FLOOR PLAN - MECHANICAL/ PLUMBING MP1.3

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Project #: 2021-0366



ISSUE DATE	OCTOB	ER 7, 2022
REVISION	DATE	DESCRIPTION
1	10/07/2022	PERMIT REVISIONS #1

CONTENTS:

CHECKED:

PROJECT NO:

MECH LEGEND DRAWING INDEX AND CONTROLS

MP0.1

PART 1 GENERAL 1.01 SCOPE

A. WORK INCLUDED: PROVIDE LABOR, MATERIALS, AND APPLIANCES, AND PERFORM OPERATIONS IN CONNECTION WITH INSTALLATION OF WORK IN STRICT ACCORDANCE WITH THESE SPECIFICATIONS AND DRAWINGS. INTENT OF THESE DOCUMENTS IS TO REQUIRE PROVISION OF COMPLETE, FUNCTIONAL, AND OPERATIONAL SYSTEMS THAT COMPLY WITH PERFORMANCE REQUIREMENTS SPECIFIED. WORK INCLUDES, BUT IS NOT LIMITED TO, THAT DELINEATED IN THESE SPECIFICATION SECTIONS.

1.02 DRAWINGS AND SPECIFICATIONS A. DRAWINGS AND SPECIFICATIONS FORM ONE DOCUMENT. IF CONFLICTS OCCUR BETWEEN DRAWINGS AND SPECIFICATION, MOST STRINGENT AND MOST COSTLY REQUIREMENT SHALL GOVERN AND SHALL BE USED FOR BIDDING PURPOSES. BRING CONFLICTS TO IMMEDIATE ATTENTION OF OWNER'S REPRESENTATIVE FOR CLARIFICATION.

1.03 CODES, STANDARDS, AND AGENCIES

A. REQUIREMENTS: CONFORM TO REQUIREMENTS OF APPLICABLE CODES, STANDARDS, AND AGENCIES HAVING JURISDICTIONAL AUTHORITY OVER MECHANICAL INSTALLATION,

1. 2018 WASHINGTON STATE BUILDING CODE

2. 2018 WASHINGTON STATE MECHANICAL CODE 3. 2018 WASHINGTON STATE PLUMBING CODE

1.04 COORDINATION OF MECHANICAL WORK

A. GENERAL: CONTRACT DOCUMENTS ARE DIAGRAMMATIC IN SHOWING CERTAIN PHYSICAL RELATIONSHIPS THAT MUST BE ESTABLISHED WITHIN MECHANICAL WORK AND IN ITS INTERFACE WITH OTHER WORK, INCLUDING UTILITIES AND ELECTRICAL WORK, AND THAT SUCH ESTABLISHMENT IS EXCLUSIVE RESPONSIBILITY OF CONTRACTOR, UNLESS NOTED OTHERWISE

1.05 COORDINATION OF ELECTRICAL WORK

A. PROVIDE ELECTRICAL WORK IN CONNECTION WITH MECHANICAL INSTALLATION AS INDICATED ON DRAWINGS AND SPECIFIED HEREIN. 2.01 SUBMITTALS

A. REQUIREMENTS: WITHIN 20 DAYS OF CONTRACT AWARD, SUBMIT FOR REVIEW OF THE FOLLOWING: CATALOG DATA FOR ALL EQUIPMENT USED.

2. LISTS OF PROPOSED MATERIALS GIVING MANUFACTURER'S NAMES, CATALOG NUMBER, TRADE NAMES, CUTS, AND DETAILED DESCRIPTION.

2.02 MECHANICAL SUPPORTS DOCUMENTS A. DUCTWORK AND EQUIPMENT HUNG FROM BUILDING STRUCTURE SHALL UTILIZE CLAMPS THAT TRANSFER LOADING TO VERTICAL CENTERLINE OF STRUCTURAL MEMBER.

2.03 FIBERGLASS PREFORMED PIPE INSULATION A. MANUFACTURER: JOHNS MANVILLE MICRO-LOK AP-T PLUS, OWENS CORNING ASJ/SSL-II, KNAUF INSULATION PIPE WITH PVC FITTING COVERS.

B. MINIMUM PIPE INSULATION: 1.00-INCH-THICK FIBERGLASS INSULATION WITH ASJ-SSL FOR 0.50-INCH-THICK FOR DOMESTIC COLD WATER.

2.04 DOMESTIC WATER PIPE AND FITTINGS A. ABOVE-GRADE PIPING 6.00 INCHES AND SMALLER: TYPE "L", HARD DRAWN COPPER WITH WROUGHT COPPER FITTINGS, ASTM B88, SILVER, OR 95-5 SOLDER OR PRO-PRESS FITTINGS. ON MAIN PIPES 2.00 INCHES AND SMALLER IN DIAMETER, T-DRILL METHOD, IN COMPLIANCE WITH ASTM F 2014-00

IS ACCEPTABLE, WHEN BRANCH PIPE IS AT LEAST ONE PIPE SIZE SMALLER THAN MAIN B. POTABLE WATER VALVES: BALL VALVE 2.00 INCH AND UNDER: VALVE SHALL BE THREADED, RATED 150 PSI SWP AND 600-PSI CWP AND HAVE 2 PIECE FULL PORT CAST RED BRONZE BODIES (NO YELLOW BRASS CONTAINING MORE THAN 15 PERCENT ZINC), ASTM B61, ASTM B62, OR ASTM B584. TFE SEATS AND SEALS, SEPARATE PACKING NUT WITH ADJUSTABLE STEM PACKING, ANTI BLOWOUT STEM, AND STAINLESS STEEL BALL AND STEM.

VALVE SHALL CONFORM TO MSS SP 110. NIBCO T-585-70-66. λ DOUBLE CHECK VALVE ASSEMBLY: THREADED CONNECTIONS, BRONZE BODY, 175 PSIG RATED AT 140 DEGREES F, THREE TEST PORT VALVES, TWO ISOLATION BALL VALVES, AIR GAP FITTING DRAIN. HERSEY "BEECO", ZURN/WILKENS, WATTS.

D. IRRIGATION WATER METER: ULTRASONIC WATER METER, STAINLESS STEEL, LEAD-FREE METER HOUSING, AN ENGINEERED POLYMER AND STAINLESS STEEL METERING INSERT, A METER-CONTROL CIRCUIT BOARD WITH ASSOCIATED WIRING, LCD, AND BATTERY. BADGER, MUELLER, ABB, SCHLUMBERGER,

2.05 WASTE/SOIL PIPE AND FITTINGS

A. CAST IRON NO-HUB: PIPE SHALL BE CISPI STANDARD 301 WITH BITUMINOUS PETROLEUM ASPHALT COATED INTERIOR AND EXTERIOR, TYLER OR EQUAL BY A B AND I. FITTINGS SHALL BE DRAINAGE PATTERN TYPE WITH SAME BITUMINOUS PETROLEUM ASPHALT COATING INSIDE AND OUT AS THE PIPING SYSTEM. JOINTS SHALL USE CISPI SPECIFICATION 310 NO-HUB COUPLING, NEOPRENE SLEEVE, TYPE 301 STAINLESS STEEL 0.008-INCH THICK SHIELD, TYPE 301 STAINLESS STEEL BAND CLAMPS. TYLER OR EQUAL BY A B AND I. DWV COPPER WITH SOLDERED JOINTS IS ALLOWABLE. 2.06 IDENTIFICATION

A. EQUIPMENT NAMEPLATES: NAMEPLATES SHALL BE LAMINATED BLACK PLASTIC WITH MINIMUM 1/2-INCH-HIGH LETTERING CUT THROUGH TO A WHITE BACKGROUND. THE LETTERING SHALL INCLUDE THE EQUIPMENT NAME AND SCHEDULE MARK NUMBER, SUCH AS "FAN

B. PIPE LABELS: SELF-STICKING PIPE MARKER TAPE WITH WRITTEN LEGEND, COLOR-CODED BACKGROUND, FLOW ARROW, AND NOMINAL PIPE SIZE AT LOCATION OF MARKER (I.E., 2.50-INCH), IN ACCORD WITH ASME A13.1. LETTERS TO REFLECT DRAWING LEGEND

2.07 GALVANIZED SHEET METAL DUCTWORK

A. TYPE ASTM A653. B. DUCT SEALER SHALL BE UL LISTED, HAVE A FLAME SPREAD RATING OF 25 OR LESS, AND A SMOKE DEVELOPED RATING OF 50 OR LESS WHEN IN A DRY STATE. DUCT TAPE SHALL NOT BE ACCEPTED AS A SUBSTITUTE FOR DUCT SEALER. UNITED MCGILL DUCT SEALER/SOLVENT OR WATER BASED, MEI DUCT SEALER NO. 4450 OR 4452, DUCTMATE PROSEAL, HARDCAST CARLISLE SURE-GRIP DUCT SEALER.

2.08 DIFFUSERS, REGISTERS, AND GRILLES

A. STEEL OR ALUMINUM CONSTRUCTION, PER SCHEDULE, WITH WHITE BAKED ENAMEL FINISH. B. MANUFACTURER: PRICE OR EQUAL BY TITUS, KRUEGER, METAL-AIRE, NAILOR, AND TUTTLE&BAILEY

C. SEE GRILLE, REGISTER, & DIFFUSER (GRD) SCHEDULE ON DRAWINGS FOR TYPES, BASIS OF DESIGN, CAPACITIES, AND SIZES.

2.09 IN-LINE CENTRIFUGAL FANS

A. MANUFACTURER: ACME, BREIDERT, CARNES, GREENHECK, LOREN COOK, PENNBARRY.

B. HOUSING: HOUSING SHALL BE MINIMUM 18 GAUGE GALVANIZED STEEL WITH INTEGRAL DUCT COLLARS. BOLTED ACCESS DOORS SHALL BE PROVIDED ON THREE SIDES, SEALED WITH CLOSED CELL NEOPRENE GASKETING. HOUSING SHALL BE PRE-DRILLED TO ACCOMMODATE UNIVERSAL MOUNTING FEET FOR VERTICAL OR HORIZONTAL INSTALLATION. UNIT SHALL BEAR AN ENGRAVED ALUMINUM NAMEPLATE. NAMEPLATE SHALL INDICATE DESIGN CFM AND STATIC

C. DIRECT-DRIVE UNITS: MOTOR SHALL BE AN ELECTRONICALLY COMMUTATED MOTOR RATED FOR CONTINUOUS DUTY AND FURNISHED WITH LEADS FOR CONNECTION TO 0-10 VDC EXTERNAL CONTROLLER.

D. FAN WHEELS: WHEEL SHALL BE CENTRIFUGAL BACKWARD INCLINED, CONSTRUCTED OF 100% ALUMINUM, INCLUDING A PRECISION MACHINED CAST ALUMINUM HUB. WHEEL INLET SHALL OVERLAP AN AERODYNAMIC ALUMINUM INLET CONE TO PROVIDE MAXIMUM PERFORMANCE AND EFFICIENCY. WHEEL SHALL BE BALANCED IN ACCORDANCE WITH AMCA STANDARD 204-05, BALANCE QUALITY AND VIBRATION LEVELS FOR 2.10 WATER HEATER

A. MANUFACTURER: A.O. SMITH, RHEEM, BRADFORD WHITE, PVI.

B. STORAGE-TANK CONSTRUCTION: NON-ASME-CODE, VERTICAL STEEL TANK, UL1453. RATED FOR 150 PGIG WITH DIELECTRIC NIPPLE TAPPINGS. COMPLY WITH NSF 61 BARRIER MATERIALS FOR POTABLE WATER TANK LININGS, INCLUDING EXTENDING LINING MATERIAL INTO

C. FACTORY-INSTALLED STORAGE TANK APPURTENANCES: ANODE ROD, REPLACEABLE MAGNESIUM. CORROSION-RESISTANT METAL DRAIN VALVE COMPLYING WITH ASSE 1005. INSULATION TO COMPLY WITH ASHRAE/IESNA 90.1. STEEL JACKET WITH ENAMELED FINISH. ELECTRIC, SCREW-IN OR BOLT-ON IMMERSION TYPE HEATING ELEMENTS ARRANGED IN MULTIPLES OF THREE. ADJUSTABLE THERMOSTAT. INCLUDES HIGH-TEMPERATURE-LIMIT AND LOW WATER CUTOFF DEVICES OR SYSTEMS. ASME RATED AND STAMPED FOR COMBINATION TEMPERATURE-AND-PRESSURE RELIEF

2.11 DOMESTIC HOT WATER RECIRCULATION PUMP

A. MANUFACTURER: BELL AND GOSSETT ECOCIRC XL, GRUNDFOS, ARMSTRONG, PACO, TACO

B. TYPE: CENTRIFUGAL, HORIZONTAL INLINE PUMP, FLANGED CONNECTIONS, 175 PSIG AND 230 DEGREES F RATED, AND STAINLESS-STEEL BODY, IMPELLER AND SHAFT. ELECTRONICALLY COMMUTATED PERMANENT MAGNET MOTOR (ECM TECHNOLOGY), SPEED SELECTOR, GPM DISPLAY, MAGNETIC CONNECTION TO IMPELLER. SINGLE AND THREE PHASE MOTORS SHALL HAVE BUILT IN MOTOR OVERLOAD PROTECTION. MOTORS 1 HP AND LARGER SHALL BE HIGH-EFFICIENCY

C. CAPACITIES AND CHARACTERISTICS: SEE EQUIPMENT SCHEDULE ON DRAWINGS.

2.12 HEAT TRACE A. MANUFACTURER: RAYCHEM.

B. GENERAL: SELF-REGULATING HEATER, IN COMBINATION WITH INTERCONNECTED COMPONENTS, SHALL HAVE A UL SYSTEM LISTING. HEATER SHALL RESPOND TO VARYING LOCALIZED TEMPERATURE CONDITIONS ALONG PIPE BY SELF-REGULATING ITS HEAT OUTPUT AT EACH POINT ALONG ITS LENGTH WITHOUT RELIANCE ON THERMOSTAT CONTROLS. CONSTANT WATTAGE HEATER SHALL NOT BE

C. CABLES SHALL BE A PAIR OF PARALLEL NO. 16 AWG, NICKEL-COATED, STRANDED COPPER BUS WIRES EMBEDDED IN CROSS-LINKED CONDUCTIVE POLYMER CORE, WHICH VARIES HEAT OUTPUT IN RESPONSE TO TEMPERATURE ALONG ITS LENGTH. TERMINATE WITH WATERPROOF, FACTORY-ASSEMBLED, NON-HEATING LEADS WITH CONNECTORS AT ONE END, AND SEAL THE OPPOSITE END WATERTIGHT. HEAT TRACING STRIP SHALL BE CAPABLE OF BEING CUT TO DESIRED LENGTH IN FIELD. PROVIDE MANUFACTURER'S COMPONENTS FOR POWER CONNECTION POINTS, HEAT-TRACING TEES, AND END SEAL TERMINATIONS. CABLE SHALL BE CAPABLE OF CROSSING OVER ITSELF ONCE WITHOUT OVERHEATING. PROVIDE A FLAME-RETARDANT POLYOLEFIN INSULATING JACKET WITH STAINLESS STEEL BRAID AND POLYOLEFIN OUTER JACKET WITH

D. 120, 208 VOLT SQUARE D TYPE QOEPD, GROUND FAULT PROTECTIVE DEVICE. 10 W/FT. MAXIMUM OPERATING TEMPERATURE 150 DEG. F, MAXIMUM EXPOSURE TEMPERATURE 185 DEG. F.

PROVIDE REMOTE BULB PIPE WALL TEMPERATURE SENSOR DIRECTLY SENSING PIPE WALL TEMPERATURE. CORROSION-RESISTANT, WATERPROOF ENCLOSURE.

PART 3 EXECUTION 3.01 SLEEVES AND PENETRATIONS

A. GENERAL REQUIREMENTS: WALL OPENINGS FOR INSULATED PIPES SHALL BE OF SUFFICIENT SIZE TO ALLOW INSULATION (FULL THICKNESS) AND JACKET TO PASS THROUGH OPENING. WALL OPENING SHALL BE SIZE OPENINGS

ACCORDINGLY. 3.02 MECHANICAL SUPPORTING DEVICES A. GENERAL: MECHANICAL EQUIPMENT AND MATERIALS SHALL BE SUSPENDED OR SUPPORTED FROM STRUCTURE, NOT FROM PIPE, ELECTRICAL

CONDUIT, CEILING SYSTEMS, OR OTHER NON-STRUCTURAL B. DUCT HANGERS: PROVIDE IN ACCORDANCE WITH SMACNA-HVAC DUCT CONSTRUCTION STANDARDS, METAL AND FLEXIBLE, WITH EXCEPTION THAT MINIMUM STANDARD SHALL BE 22-GAGE MATERIAL AND 1.00-INCH WIDE.

C. INSULATION: 1. GENERAL: USE PREFORMED GLASS FIBER PIPE INSULATION WITH ASJ-SSL JACKET FOR SERVICES UNLESS OTHERWISE NOTED. PROVIDE INSULATION (FULL THICKNESS) BETWEEN PIPE AND SUPPORT (INCLUDING HANGERS). SUPPORT INSULATED PIPES WITHOUT THROUGH-METAL CONTACT WITH SUPPORT. INSULATED PIPES RESTING ON, OR CLAMPED TO, JOISTS, BEAMS, UNISTRUT, ETC., SHALL BE SECURELY CLAMPED DOWN TO RESTING SURFACE.

2. PROTECTIVE SHIELDS: ON 1.25-INCH AND SMALLER PIPE SIZES SUPPORTED BY HANGERS, PROVIDE 18 GAGE GALVANIZED PROTECTIVE SHIELDS COVERING LOWER HALF OF INSULATION. PROTECTIVE SHIELDS SHALL BE 6.00-INCHES LONG ON PIPE SIZES 1.25-INCH AND SMALLER. WHERE CLAMPS ARE USED TO FASTEN PIPE AND INSULATION TO A RESTING SURFACE, PROVIDE PROTECTIVE SHIELDS ON TOP AND BOTTOM OF INSULATION.

3.03 IDENTIFICATION A. PIPE MARKING: ORIENT LETTERING TO BE READ FROM BELOW HORIZONTAL CENTERLINE.

A. CONTRACTOR SHALL BE RESPONSIBLE FOR CLEANING UP ALL DEBRIS AND EXTRA MATERIAL RELATED TO INSTALLATION OR DEMOLITION ON A

B. CONTRACTOR SHALL PERFORM ALL DEMOLITION WORK TO COMPLETE ASSOCIATED WORK.

3.05 GALVANIZED SHEET METAL DUCTWORK A. COMPLY WITH MOST STRINGENT REQUIREMENTS AND RECOMMENDATIONS OF INTERNATIONAL MECHANICAL CODE AND SMACNA HVAC DUCT CONSTRUCTION STANDARDS-METAL AND FLEXIBLE, SPECIFICATIONS FOR FABRICATION, CONSTRUCTION, INSTALLATION, AND SEALANT OF DUCTS, FITTING, AND ACCESSORIES. SEAL ALL SEAMS AND

B. PROVIDE DUCTWORK AS INDICATED. INDICATED DUCT DIMENSIONS ARE NET INSIDE DIMENSIONS. DUCTWORK SHALL BE CONSTRUCTED AND ASSEMBLED WITH SMOOTH INTERNAL SURFACES. UNLESS SHOWN OTHERWISE ON DRAWINGS, SUPPLY AIR DISTRIBUTION DUCTWORK ELBOWS SHALL BE LONG RADIUS, CONSTRUCTED PER SMACNA HVAC DUCT CONSTRUCTION STANDARDS. DRAWINGS SO NOT ATTEMPT TO SHOW REQUIRED OFFSETS OF DUCTWORK. MAKE OFFSETS (15-DEGREE MAXIMUM ANGLE OF OFFSET) FOR INSTALLATION OF WORK WITHOUT ADDITIONAL COST TO

C. PRESSURE-VELOCITY CLASSIFICATION

NEGATIVE).

1. TYPE 1G: 2.00-INCH POSITIVE OR NEGATIVE. a. APPLICATION: DUCTWORK, UNLESS SPECIFIED OR INDICATED OTHERWISE.

b. MATERIAL: GALVANIZED. c. REQUIREMENTS: FABRICATE AND PROVIDE IN ACCORDANCE WITH SMACNA PRESSURE-VELOCITY REQUIREMENTS FOR 2.00-INCH W.G. (POSITIVE OR

3.06 DOMESTIC WATER PIPING TESTS: A. FILL DOMESTIC WATER PIPING. CHECK COMPONENTS TO DETERMINE THAT THEY ARE NOT AIR BOUND AND THAT PIPING IS FULL OF WATER.

B. TEST FOR LEAKS AND DEFECTS IN NEW PIPING AND PARTS OF EXISTING PIPING THAT HAVE BEEN ALTERED, EXTENDED, OR REPAIRED. IF TESTING IS PERFORMED IN SEGMENTS, SUBMIT A SEPARATE REPORT FOR EACH TEST, COMPLETE WITH DIAGRAM OF PORTION OF PIPING TESTED.

C. LEAVE NEW, ALTERED, EXTENDED, OR REPLACED DOMESTIC WATER PIPING UNCOVERED AND UNCONCEALED UNTIL IT HAS BEEN TESTED AND APPROVED. EXPOSE WORK THAT WAS COVERED OR CONCEALED BEFORE IT WAS D. CAP AND SUBJECT PIPING TO STATIC WATER PRESSURE OF 50 PSIG ABOVE OPERATING PRESSURE BUT NOT LESS THAN 100 PSIG, WITHOUT

EXCEEDING PRESSURE RATING OF PIPING SYSTEM MATERIALS. ISOLATE TEST SOURCE AND ALLOW IT TO STAND FOR FOUR HOURS. LEAKS AND

LOSS IN TEST PRESSURE CONSTITUTE DEFECTS THAT MUST BE REPAIRED. E. REPAIR LEAKS AND DEFECTS WITH NEW MATERIALS, AND RETEST PIPING OR PORTION THEREOF UNTIL SATISFACTORY RESULTS ARE OBTAINED.

F. PREPARE REPORTS FOR TESTS AND FOR CORRECTIVE ACTION REQUIRED.

G. FLUSHING: THOROUGHLY FLUSH ALL WATER PIPING FOR A MINIMUM OF ONE HOUR AND CLEAN ALL AERATOR SCREENS.

H. CLEANING: CLEAN AND DISINFECT POTABLE DOMESTIC WATER PIPING IN ACCORDANCE WITH UPC REQUIREMENTS.

3.07 HORIZONTAL SOIL AND WASTE PIPING

A. GRADING: PROVIDE A GRADE OF 0.25-INCH PER FOOT. B. HORIZONTAL PIPING, SUSPENDED:

1. SUPPORT HORIZONTAL PIPING AND FITTINGS AT INTERVALS TO MAINTAIN ALIGNMENT AND PREVENT SAGGING. SUPPORT EACH LENGTH OF PIPE BY AN APPROVED HANGER LOCATED NOT MORE THAN 18.00-INCHES FROM

2. INSTALLATIONS REQUIRING MULTIPLE JOINTS WITHIN A 4.00-FOOT DEVELOPED LENGTH SHALL BE SUPPORTED AT NO LESS THAN EVERY

3. INSTALL PIPING IN A MANNER THAT MAXIMIZES AVAILABLE CEILING SPACE. WHERE INVERT ELEVATIONS ARE NOT SPECIFICALLY CALLED OUT ON CONTRACT DRAWINGS, INSTALL PIPING AS HIGH AS POSSIBLE. LOCATE VERTICAL DROPS NEXT TO WALLS OR

C. TESTS: SUBJECT WORK TO HYDROSTATIC TEST OF 10-FOOT HEAD OF WATER, OR AS DIRECTED BY LOCAL PLUMBING INSPECTION AUTHORITY. OBTAIN APPROVAL FOR WORK OR PORTIONS OF WORK AS TESTED, IN WRITING, PRIOR TO COVERING OR CONCEALMENT. NOTIFY OWNER'S REPRESENTATIVE AT LEAST TWO NORMAL WORKING DAYS PRIOR TO TESTING WORK AND DO NOT CONCEAL WORK UNTIL SATISFACTORY **COMPLETION OF**

3.08 IN-LINE CENTRIFUGAL FANS A. INSTALLATION:

1. SUSPEND UNITS FROM STRUCTURE; USE STEEL WIRE OR METAL STRAPS.

2. INSTALL UNITS WITH CLEARANCES FOR SERVICE AND MAINTENANCE.

3. LABEL UNITS ACCORDING TO REQUIREMENTS SPECIFIED IN SECTION 2.06 "IDENTIFICATION FOR EQUIPMENT."

B. TESTS AND INSPECTIONS: 1. VERIFY THAT SHIPPING, BLOCKING, AND BRACING ARE REMOVED.

2. VERIFY THAT UNIT IS SECURE ON MOUNTINGS AND SUPPORTING DEVICES AND THAT CONNECTIONS TO DUCTS AND ELECTRICAL COMPONENTS ARE COMPLETE. VERIFY THAT PROPER THERMAL-OVERLOAD PROTECTION IS INSTALLED IN MOTORS, STARTERS, AND DISCONNECT

3. VERIFY THAT CLEANING AND ADJUSTING ARE COMPLETE.

4. DISCONNECT FAN DRIVE FROM MOTOR, VERIFY PROPER MOTOR ROTATION DIRECTION, AND VERIFY FAN WHEEL FREE ROTATION AND SMOOTH BEARING OPERATION. RECONNECT FAN DRIVE SYSTEM, ALIGN AND ADJUST BELTS, AND INSTALL BELT

5. ADJUST DAMPER LINKAGES FOR PROPER DAMPER OPERATION.

6. VERIFY LUBRICATION FOR BEARINGS AND OTHER MOVING PARTS.

7. VERIFY THAT MANUAL AND AUTOMATIC VOLUME CONTROL IN CONNECTED DUCTWORK SYSTEMS ARE IN FULLY OPEN POSITION.

8. DISABLE AUTOMATIC TEMPERATURE-CONTROL OPERATORS, ENERGIZE MOTOR AND ADJUST FAN TO INDICATED RPM, AND MEASURE AND RECORD MOTOR VOLTAGE AND AMPERAGE.

SHUT UNIT DOWN AND RECONNECT AUTOMATIC TEMPERATURE-CONTROL OPERATORS.

10. REMOVE AND REPLACE MALFUNCTIONING UNITS AND RETEST AS SPECIFIED ABOVE. D. CONTROLS AND SAFETIES: TEST AND ADJUST CONTROLS AND SAFETIES. REPLACE DAMAGED AND MALFUNCTIONING CONTROLS AND EQUIPMENT. E. REPORTS: PREPARE TEST AND INSPECTION REPORTS.

 DAMPER LINKAGE: ADJUST DAMPER LINKAGES FOR PROPER DAMPER OPERATION 2. TAB: PROVIDE TESTING AND BALANCING. SET FAN SPEED FOR THE INDICATED CFM. PROVIDE FULL FAN DATA PER NEBB STANDARDS. SUBMIT REPORT. LUBRICATION: LUBRICATE BEARINGS.

3.09 TESTING AND BALANCING A. PERFORM TESTING AND BALANCING PROCEDURES ON EACH SYSTEM ACCORDING TO THE PROCEDURES CONTAINED IN NEBB'S "PROCEDURAL STANDARDS FOR TESTING, ADJUSTING, AND BALANCING OF ENVIRONMENTAL SYSTEMS" AND THE

B. AIR SYSTEM SCOPE: SET MAXIMUM AND MINIMUM AIRFLOW SETPOINTS AT TERMINAL UNITS. DETERMINE TERMINAL UNIT FLOW COEFFICIENTS, PROPORTIONALLY BALANCE SUPPLY DUCTWORK SYSTEM AS INDICATED ON DRAWINGS. PROVIDE FULL TEST DATA ON NEW

C. TEST REPORT: PROVIDE TEST REPORT PER NEBB STANDARDS. INCLUDE OUTLET NUMBERING PLANS SHOWING OUTLETS NUMBERS INDICATED IN

D. RETESTS: DEMONSTRATE SYSTEM BALANCE FOR UP TO 10 PERCENT OF DATA IN REPORT TO THE SATISFACTION OF OWNERS REPRESENTATIVE.

A. INSTALL ELECTRIC, DOMESTIC WATER HEATERS LEVEL AND PLUMB, ACCORDING TO LAYOUT DRAWINGS, ORIGINAL DESIGN, AND REFERENCED STANDARDS. PROVIDE SEISMIC-RESTRAINT DEVICES. MAINTAIN MANUFACTURER'S RECOMMENDED CLEARANCES. ARRANGE UNITS SO CONTROLS AND DEVICES NEEDING SERVICE ARE ACCESSIBLE. PIPE RELIEF VALVE TO FLOOR DRAIN OR OTHER ACCEPTABLE

3.11 DOMESTIC WATER CIRCULATION PUMP A. INSTALL WITH MOTOR SUPPORT STAND OR MEANS PER MANUFACTURER'S INSTRUCTIONS.

F. ADJUSTING

A. GENERAL: INSTALL HEAT TRACE IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATION. MINIMUM WRAP AT VALVES SHALL BE FIVE TIMES LENGTH OF VALVE. MINIMUM WRAP AT FLANGES SHALL BE 3.00 FEET OF FREE CABLE LENGTH. PROTECT HEAT TRACE CABLE THROUGHOUT ITS LENGTH AND AT WEARING

B. INSTALLATION: APPLY HEATING CABLES LINEARLY ON PIPE AFTER PIPING HAS BEEN SUCCESSFULLY PRESSURE TESTED AND BEFORE INSULATION IS INSTALLED. SECURE HEATER TO PIPING BEFORE INSULATION WITH CABLE TIES OR FIBERGLASS TAPE AT 2.00_FOOT INTERVALS. PROVIDE POWER CONNECTION, END SEAL, SPLICE, AND TEE KIT COMPONENTS IN FIELD. WIRING AT ENDS OF CIRCUITS SHALL NOT BE TIED TOGETHER. INSTALL IN ACCORDANCE WITH IEEE 515.1. INSTALL WARNING TAP ON PIPING INSULATION WHERE PIPING IS EQUIPPED WITH ELECTRIC HEATING

C. ELECTRICAL: SET FIELD-ADJUSTABLE SWITCHES AND CIRCUIT BREAKER TRIP RANGES. PROVIDE GROUND FAULT PROTECTIVE DEVICE AT POWER CONNECTION TO EACH HEAT TRACE

D. TESTING AND INSPECTIONS: 1. HEATER TEST: AFTER INSTALLATION, AND BEFORE AND AFTER INSTALLING THERMAL INSULATION, SUBJECT HEATER TO TESTING USING A 2,500 VDC MEGGER. MINIMUM INSULATION RESISTANCE SHALL BE 20 TO 1,000 MEGA OHMS REGARDLESS OF LENGTH.

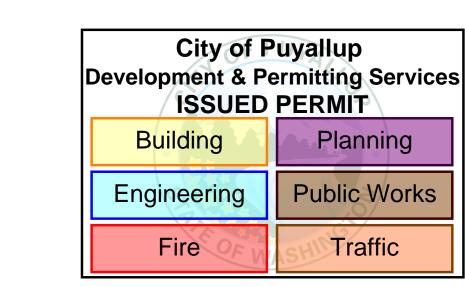
2. RESISTANCE TEST: PROVIDE RESISTANCE TEST FOR BOTH HEATING CABLE WIRES TO VERIFY CONNECTION OF SPLICES OR TEES. 3. WRITTEN REPORT: PROVIDE WRITTEN TEST REPORT TO OWNER'S REPRESENTATIVE. SYSTEM TESTING SHALL BE PERFORMED BY THE

4. REPEAT TESTS FOR CONTINUITY, INSULATION RESISTANCE, AND INPUT POWER AFTER APPLYING THERMAL INSULATION ON PIPE-MOUNTED

5. CABLES WILL BE CONSIDERED DEFECTIVE IF THEY DO NOT PASS TESTS AND INSPECTIONS.

PREPARE TEST AND INSPECTION REPORTS.

MANUFACTURER, REPRESENTATIVE, OR QUALIFIED





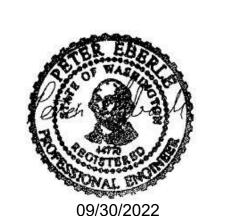
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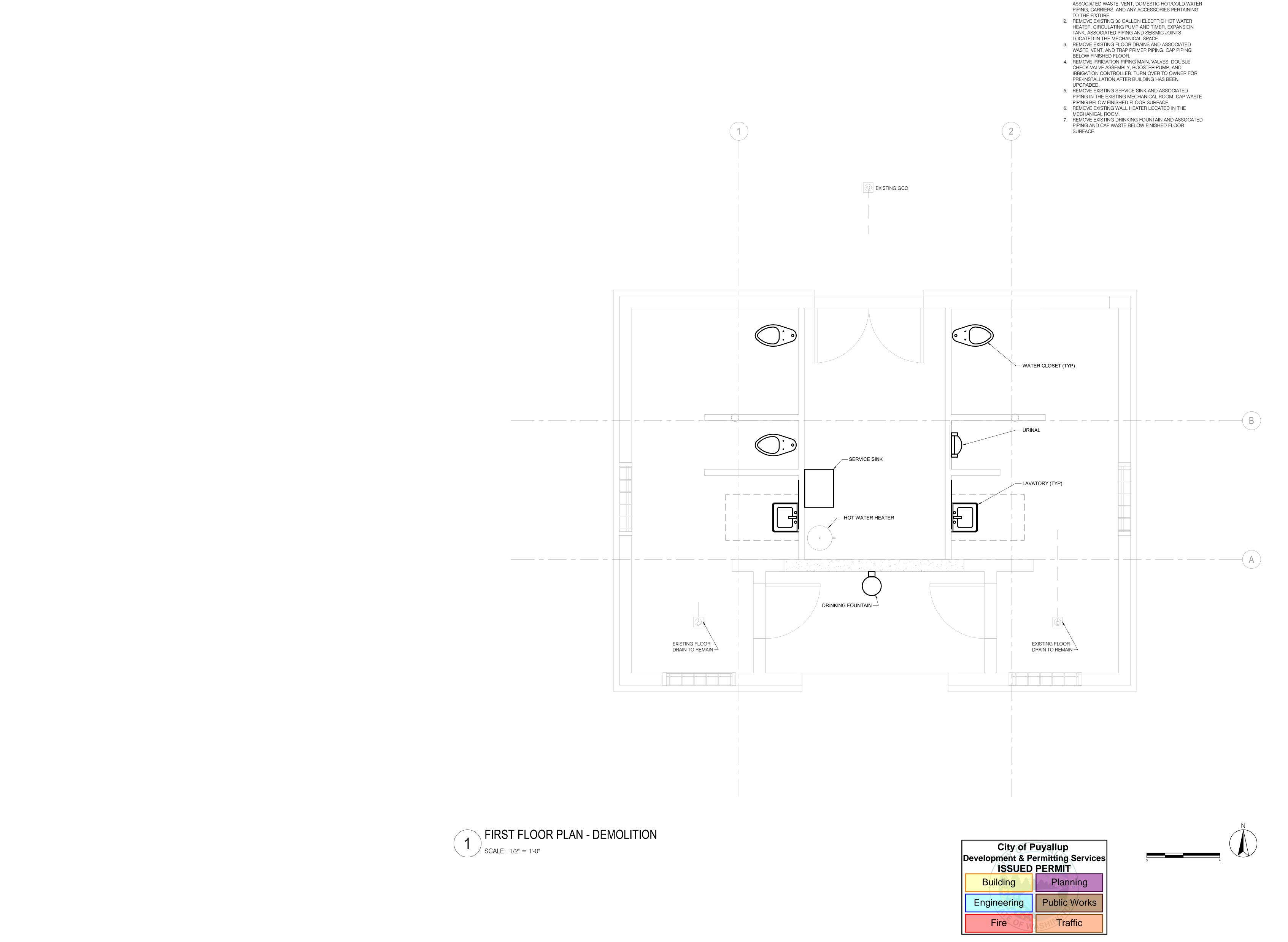
ISSUE DATE: OCTOBER 7, 2022 10/07/2022 PERMIT REVISIONS #1

CONTENTS: **SPECIFICATIONS**

CHECKED: Checker 21-0366 **MP0.2**

Author

PRCNC20220958





DEMOLITION NOTES

1. REMOVE ALL EXISTING PLUMBING FIXTURES AND

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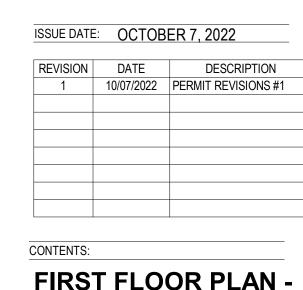
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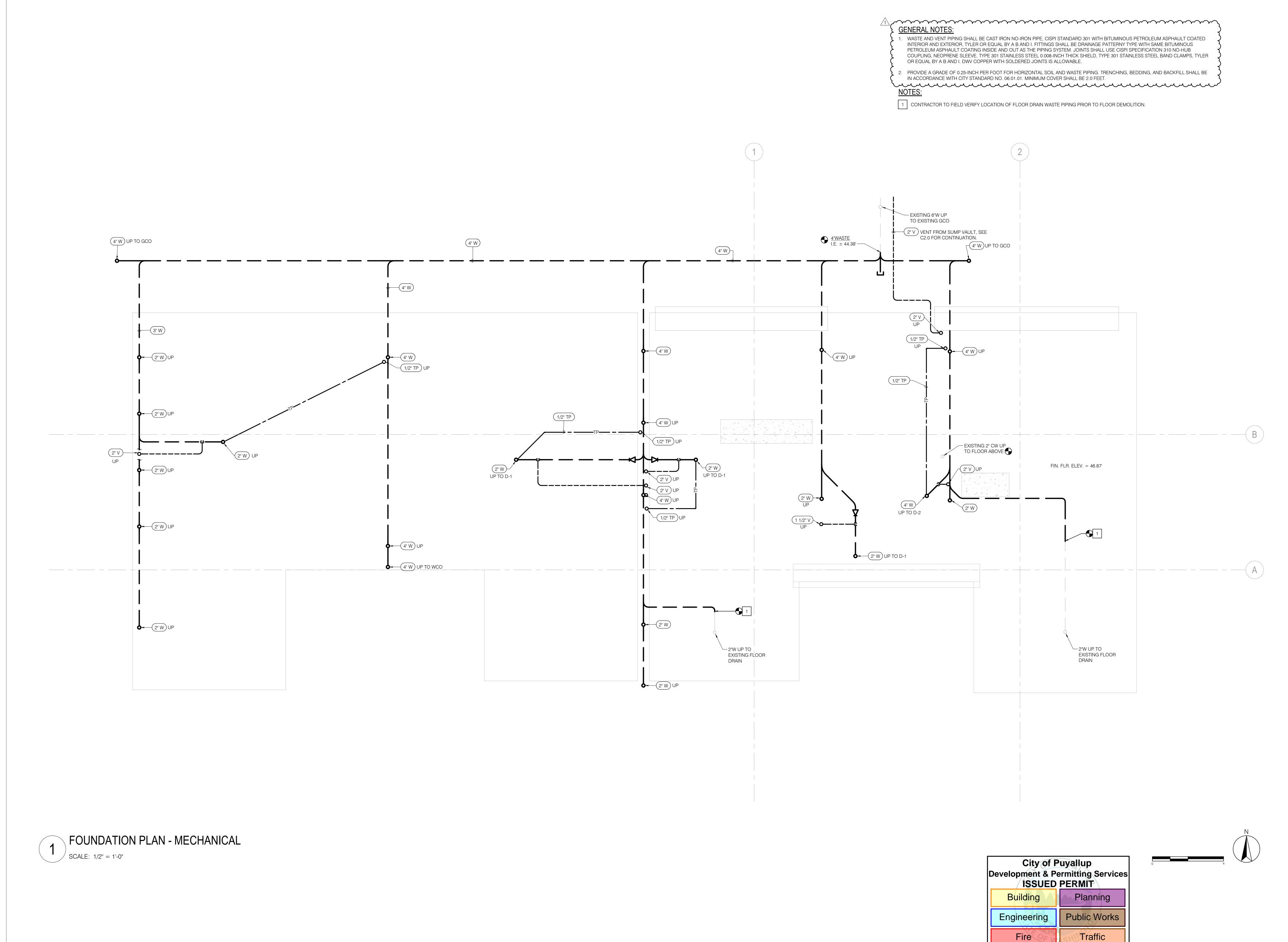
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FIRST FLOOR PLAN -DEMOLITION/ PLUMBING

SCALE:
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SHEET: MP1.1



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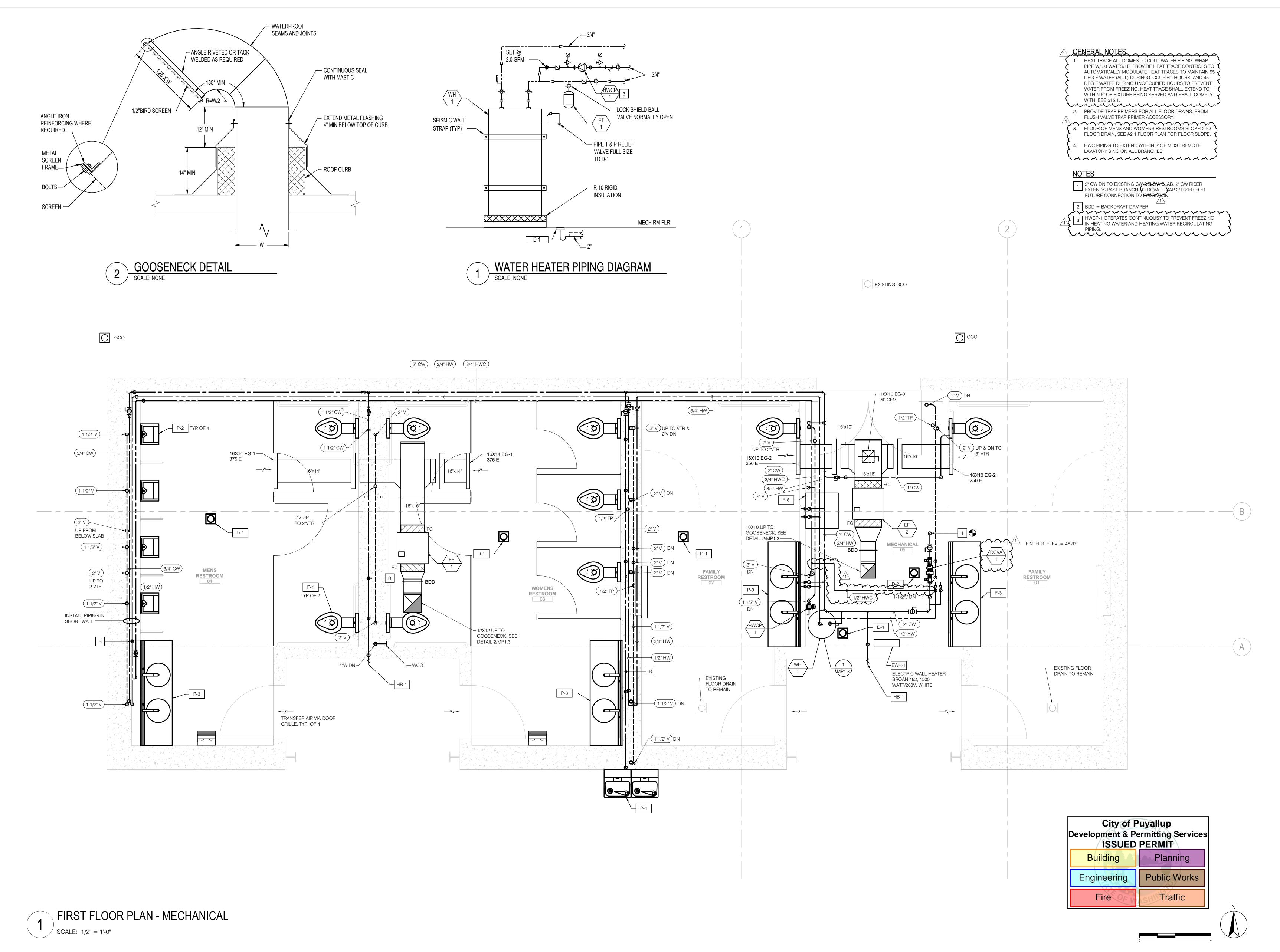
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FOUNDATION PLAN -MECHANICAL/ **PLUMBING**

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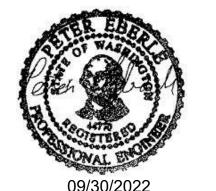
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PLUMBING

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MP1.3

	FAN SCHEDULE															
MARK	UNIT SERVES	LOCATION	TYPE	CFM	TSP	WHEEL	FAN	BHP		MOTOR			DRIVE	NOTES	MANUFACTURER	EQUIP
					(IN WG)	DIA (IN)	RPM		HP	VOLT	PH	MOTOR	TYPE		& MODEL NUMBER	WEIGHT
												TYPE				(LBS)
EF-1	MENS & WOMENS RESTROOMS	MENS RESTROOM	INLINE	800	0.50	13.13	1423	0.23	1/2	120	1	ECM	DIRECT	[1] [2] [3]	GREENHECK SQ-120-VG	56
EF-2	FAMILY RESTROOMS	MECHANICAL CHASE	INLINE	500	0.50	13.13	1446	0.20	1/2	120	1	ECM	DIRECT	[1] [2] [3]	GREENHECK SQ-130HP-VG	57

NOTEO

- [1] VARIABLE AIR VOLUME FAN WITH ELECTRICALLY COMMUTATED MOTOR AND MANUAL ADJUSTABLE SPEED CONTROLLER.
- [2] FAN SHALL HAVE A FAN EFFICIENCY GRADE (FEG) OF 67 OR HIGHER BASED ON MANUFACTURER CERTIFIED DATA.
- [3] PROVIDE BACKDRAFT DAMPER IN EXHAUST DUCT AFTER FAN OUTLET, IN LOCATION ACCESSIBLE VIA SOFFIT ACCESS DOOR.

V:\WA PROJECTS\CAD\J21-0366ECHANICAL\SCHEDULES\[15800-04-FAN.XLSX]FAN SCHEDULE

				E	XHAUST	GR	ILLE :	SCHEDULE		
ITEM	MODULE	FACE	NECK	CONNECTED	MAX	NC	MAX	DESCRIPTION	NOTES	MANUFACTURER &
	SIZE	NOMINAL	SIZE	DUCT	AIRFLOW		SPD			MODEL NUMBER
[1]			INCHES	SIZE	CFM	[2]	IN WG			
				INCHES						
EG-1	-	16x14	16x14	16x14	375	20	0.04	HEAVY STEEL, 3/8" BLADE SPACING,		PRICE 91FH-L-B12
EG-2	-	16x10	16x10	16x10	250	20	0.026	45 DEGREE DEFLECTION STEEL,		PRICE 91FH-L-B12
EG-3	-	8x8	8x8	8x8	100	20	0.024	WHITE POWDER COAT, HEAVY GAUGE		PRICE 91FH-L-B12
								BORDER, BLADES PARALLEL TO LONG		
								DIMENSION.		

NOTES:

[1] COORDINATE LOCATIONS WITH ARCHITECTURAL PLAN.

[2] NC VALUES ARE BASED ON ROOM ATTENUATION OF 10dB RE:10 EXP -12 WATTS.

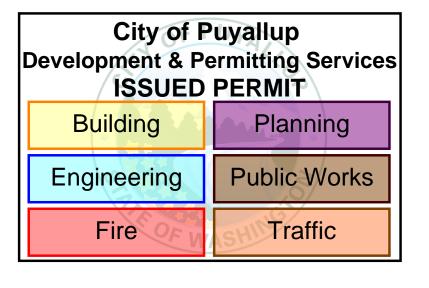
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				P	UMF	P SC	HED	ULE	_				
MARK	SYSTEM	LOCATION	CAPACITY	TDH	ВНР		MOT	OR		TYPE	NOTES	MANUFACTURER &	EQUIP
			(GPM)	(FT)		HP	VOLT	PH	RPM			MODEL NUMBER	WEIGHT
HWCP1	DOMESTIC HOT WATER	MECH. 05	2	10		1/2	120	1	-	IN-LINE		B & G ECOCIRC XL 20-35	22

NOTES: [1] STAINLESS STEEL BODY, ECM MOTOR.

MARK	ITEM	MFR/	MBING FIXTURE SCHEDU DESCRIPTION	COLD	НОТ	WASTE	VENT
TYPE	II LIVI	MODEL	DESCRIF HON	WATER (IN)	WATER (IN)	(IN)	(IN)
P-1	WATER CLOSET	ACORN DURA-WARE 2105-W-1-1.6-FV- HPS-PE-ADA-	WALL HUNG, SIPHON JET TOILET- OFF FLOOR, WALL SUPPLY, 1.6 GPF, VALVE COVER 2802, BOX 2803-1, PANEL 2898, HIGH POLISHED INTEGRAL, SEAT, ADA COMPLIANT, 16 GAUGE, TYPE 304 STAINLESS STEEL. FLUSH VALVE IN BOX ABOVE FIXTURE.	1	-	4	2
P-2	URINAL	ACORN 2160-W-1-FV-2898 -FVT	WALL HUNG, BLOWOUT JET, WALL (CONCEALED), OFF-FLOOR WALL OUTLET, 0.5 GPF, FLUSH VALVE, P-TRAP FULLY ENCLOSED, FLUSH VALVE THRU WALL CONNECTION, FLUSH VALVE BOX AND WALL COVER. FLUSH VALVE IN BOX ABOVE FIXTURE.	3/4	-	2	1-1/2
P-3	LAVATORY	ACORN 3712-1-H-PPZ-DM J-DMP-ECL-ECR- ST-EB	STAINLESS STEEL, FRONT DUAL-BASIN, ADA COMPLIANT, WALL HUNG, DECK MOUNTED "J" SPOUT, OFF-FLOOR WALL OUTLET, ENCLOSED BOTTOM, DECK MOUNTED PUSH BUTTON, EXTENDED COUNTERTOP LEFT HAND 11", EXTENDED COUNTERTOP RIGHT HAND 11", MIXING VALVE SET AT 105 DEGREES FAHRENHEIT.	1/2	1/2	1-1/2	1-1/2
P-4	DRINKING FOUNTAIN	AQUA ACCESS A112408B-FG-VR -SK	SELF-CONTAINED, VANDAL RESISTANT BI-LEVEL PRESSURE WATER COOLER, ADA COMPLIANT, 8.0 GPH OF WATER AT 50 DEGREES FAHRENHEIT, PUSH BUTTON ACTIVATION, 14 GAUGE STAIN- LESS STEEL TYPE 304, POLISHED CHROME BUBBLERS, ANTI-ROTATION, 120V/1PH. STAINLESS STEEL SKIRT KIT FOR UPPER UNIT.	1/2	-	1-1/2	1-1/2
D-1	FLOOR DRAIN	J.R. SMITH 2005Y-A-P050-U	ROUND TOP, DUCO CAST IRON BODY WITH FLASHING COLLAR AND ADJUSTABLE STRAINER HEAD, TRAP PRIMER CONNECTION, VANDAL PROOF SCREWS.	-	-	2	2
D-2	FLOOR DRAIN	J.R. SMITH 2005Y-A-F37	SAME AS D-1, EXCEPT WITH ANTI- FLOOD AND ANTI-SPLASH RIM, RIM TO BE FLUSH WITH FINISHED FLOOR.	-		4	2
DVCA-1	DOUBLE CHECK VALVE ASSEMBLY	WILKINS 950XL3	LEAD FREE, STANDARD STRAINER, WITH BALL VALVES, STAINESS STEEL SPRINGS. BRONZE BODY AND CAPS, STAINLESS STEEL HANDLES.	2	-	-	-
WH-1 & ET-1	WATER HEATER & EXPANSION TANK	A.O. SMITH DEN-30	30 GALLON NOMINAL CAPACITY, 4.5 KW, 4500 WATTS, 208 VOLTS, 1 PHASE, WITH AMTROL EXPANSION TANK ST-5, 50 DEGREES EWT, 120 DEGREES LWT, 49-3/4" TALL x 20-1/2" DIAMETER.	3/4 IN	3/4 OUT	-	-
P-5	JANITOR SINK FAUCET	AM. STD. 7695.008 CHICAGO	ENAMELED CAST IRON, WALL HANGER , RIM GUARD, PLAIN BACK, TRAP STD. WALL MOUNTED SINK FAUCETS WITH	1/2	1/2	3	1-1/2
		897-CP	8" CENTERS, BUCKET HOOK, VACUUM BREAKER, 4" WRIST B;ADE HANDLES, THREADED OUTLET, CHROME PLATED.				
HB-1	HOSE BIBB	J.R. SMITH	NON-FREEZE WALL HYDRANT, AUTOMATIC DRAINING, INTEGRAL VACUUM BREAKER, INTEGRAL SERVICE SHUT OFF, DUAL CHECK VALVE, LOCKABLE ENCLOSURE	3/4	-	-	-

V:\WA PROJECTS\CAD\J21-0366ECHANICAL\SCHEDULES\[21-0366-PLUMBFIX.XLS]FIX A





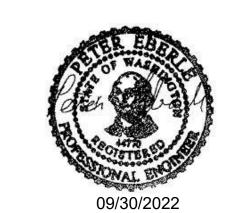
119 MAIN ST, STE #200 SEATTLE, WA 98104-2579 (206) 322-3322



Long Beach // Irvine // Los Angeles San Diego // San Jose // Seattle

p2sinc.comtelephone: 206.448.1911
facsimile: 206.448.9485
920 5th Ave, Suite 2300
Seattle, WA 98104

920 5th Ave, Suite 2300 Seattle, WA 98104 Contact: Peter Eberle, P.E. Project #: 2021-0366



NEER PARK STROOM UPDATES

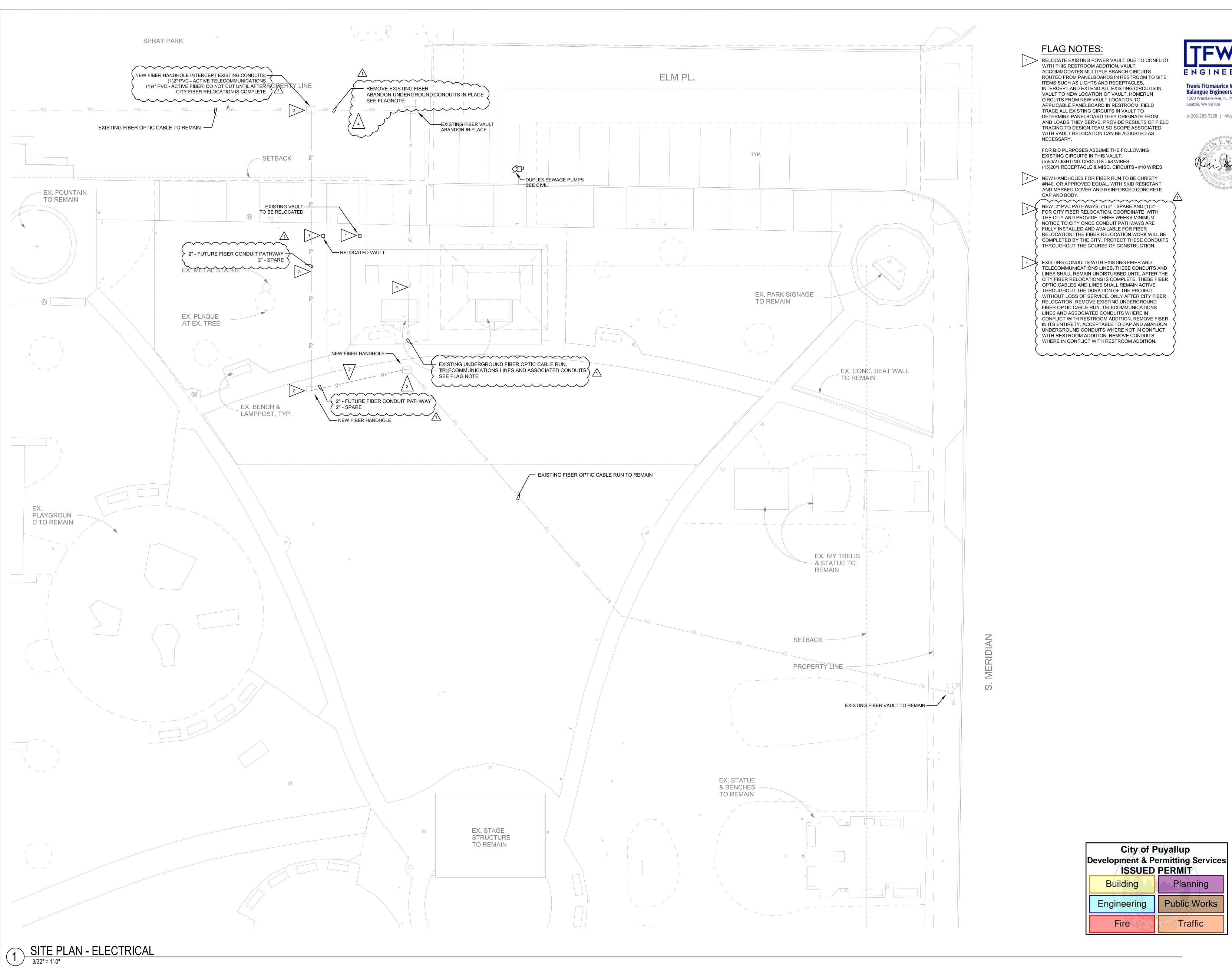
PERMIT SET

ISSUE DATE	OCTOB	SER 7, 2022
REVISION	DATE	DESCRIPTION
1	10/07/2022	PERMIT REVISIONS #

SCHEDULES

SCALE: NONE
DRAWN: IR
CHECKED: PE
PROJECT NO: 21-0366

MP6.1



ENGINEERS Travis Fitzmaurice Wartelle Balangue Engineers Inc.

1200 Westlake Ave. N., #509 Seattle, WA 98109 p: 206-285-7228 | info@tf-wb.com







BID SET

REVISION	DATE	DESCRIPTION

ELECTRICAL

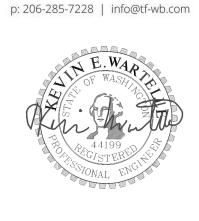
DRAWN: CHECKED: 2021016.000

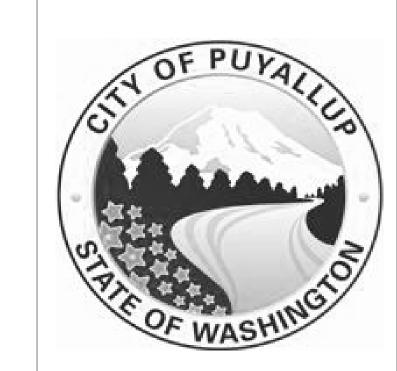
E1.1





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NEER PARK STROOMS UPGRADE

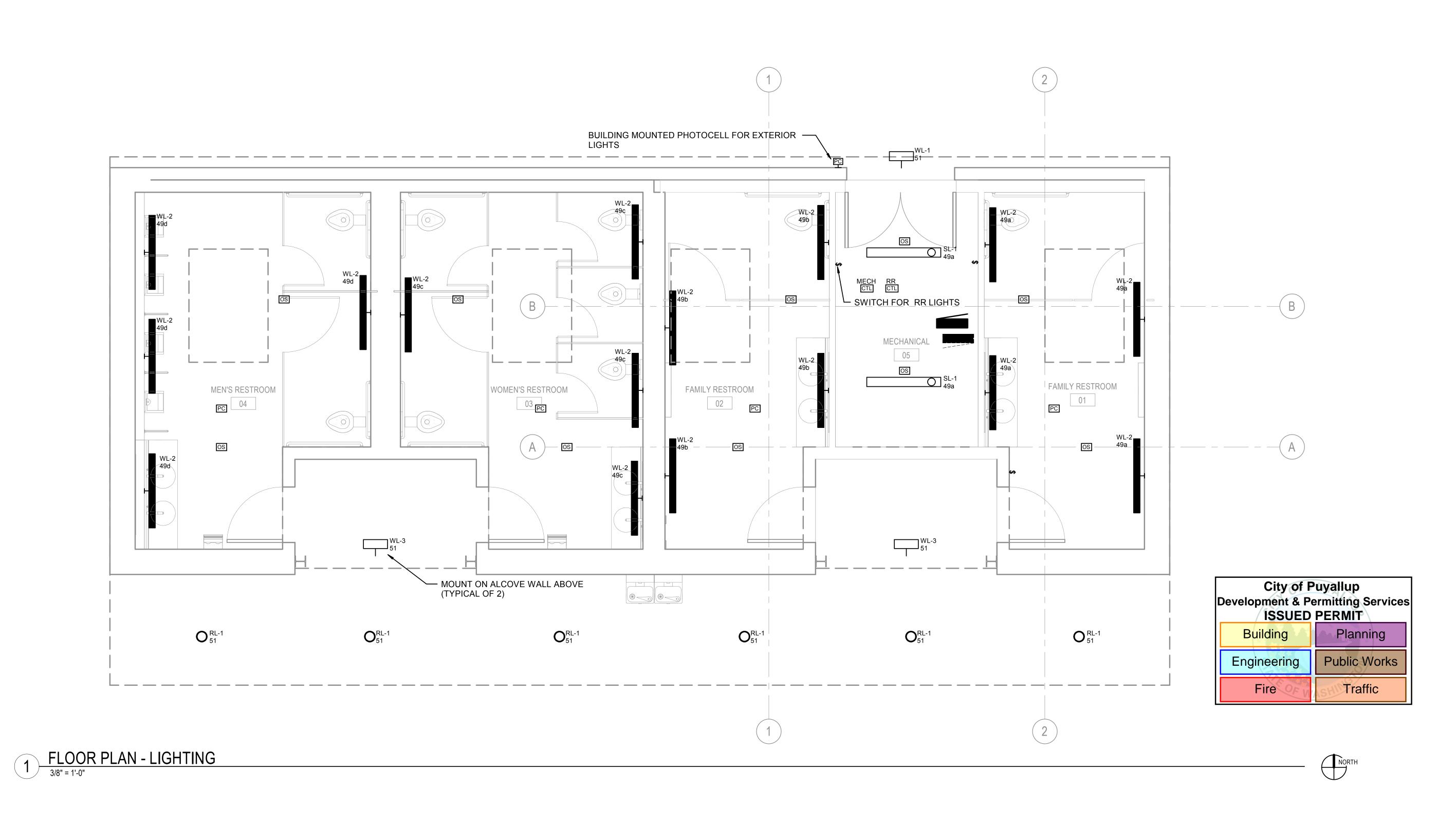
PERMIT SET

ISSUE DATE:	ОСТОВ	ER 7, 2022
REVISION	DATE	DESCRIPTION

FLOOR PLAN - LIGHTING

SCALE:	3/8" = 1'-0"
DRAWN:	Author
CHECKED:	Checker
PROJECT NO:	2021016.000

E2.1



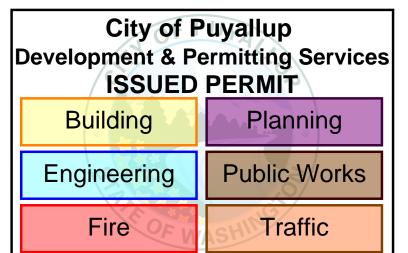
FLAG NOTES: PROVIDE NEW LOCAL ACCESS CONTROL PANEL AND COMPLETE SYSTEM. RESTROOM DOORS TO BE LOCKED VIA PROGRAMAMBLE TIMED SCHEDULE WITH OVERRIDE VIA CARD READER.

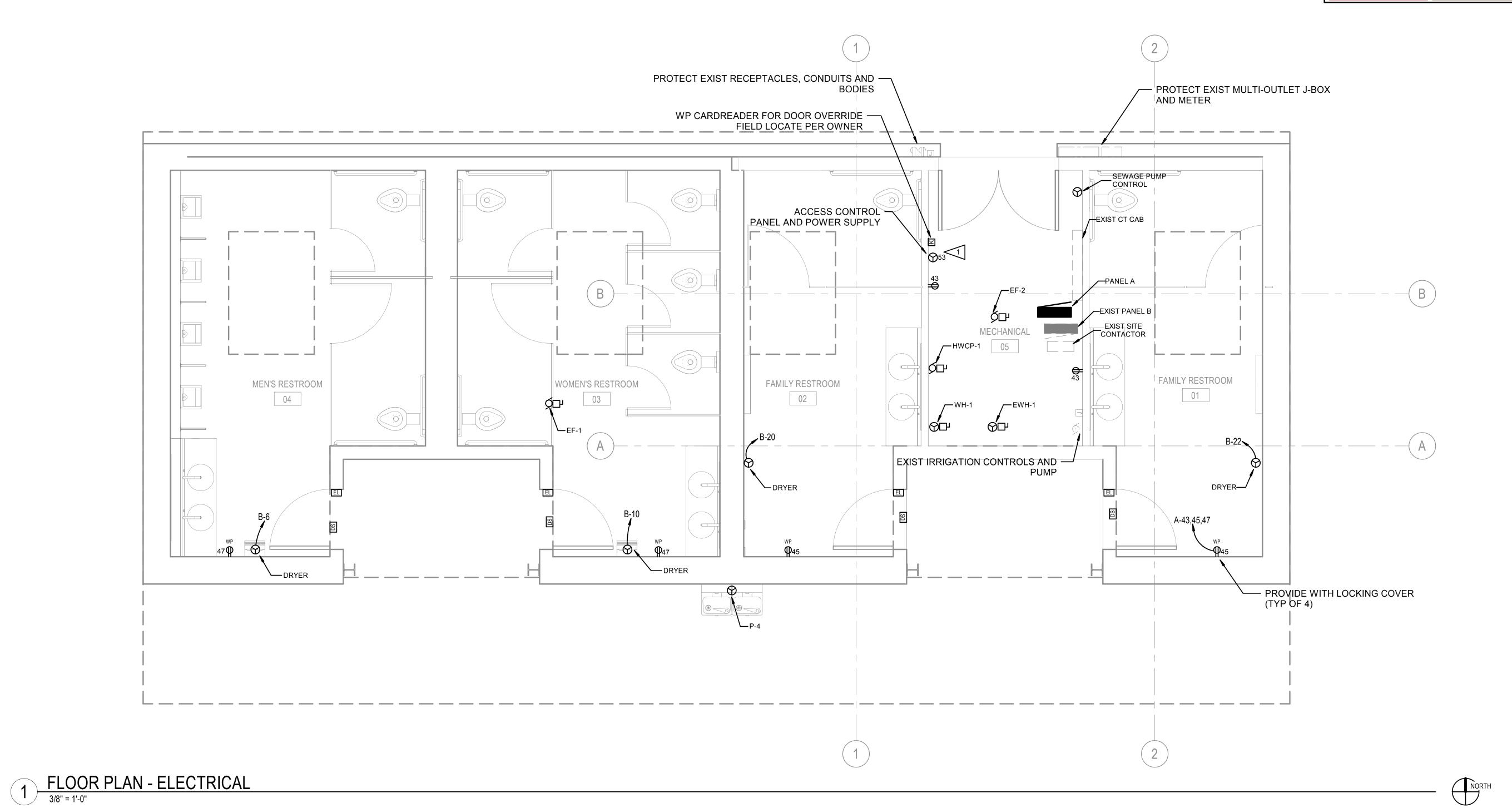


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ISSUE DATE:	ОСТОВ	ER 7, 2022
REVISION	DATE	DESCRIPTION

FLOOR PLAN -**ELECTRICAL**

SCALE:
DRAWN:
CHECKED:
PROJECT NO: 2021016.000

E3.1

FLAG NOTES 1 EXIST PANEL A TRANSFER EXISTING CIRCUITS TO NEW PANEL A.
SEE PANEL SCHEDULES FOR CIRCUITING AND
E3.1 FOR NEW PANEL A LOCATION.

2 EXIST PANEL B
PROTECT PANEL AND CIRCUITS TO REMAIN
DURING CONSTRUCTION.
CLEAN AND PROVIDE NEW EQUIPMENT LABEL.

GENERAL NOTES NOT ALL EXISTING DEVICES AND EQUIPMENT ARE SHOWN.
 SOME DEVICES SHOWN FOR REFERENCE ONLY.

PROTECT EQUIPMENT AND CIRCUITS TO MAINTAIN SERVICE TO OTHER PARTS OF THE PARK. COORDINATE OUTAGES AND SHUT-DOWNS WITH OWNER.



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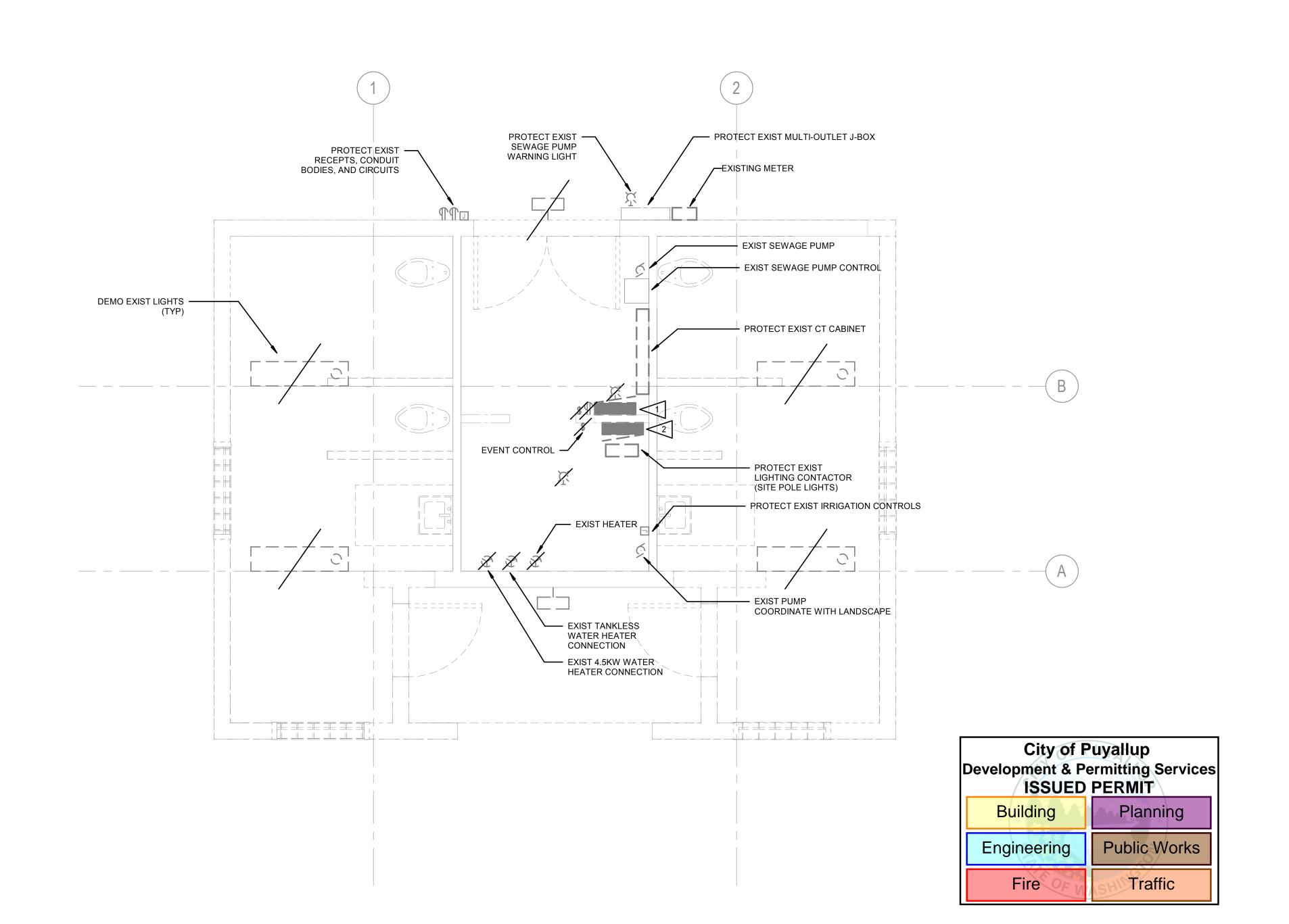
PERMIT SET

SSUE DATE:	ОСТОВ	ER 7, 2022
REVISION	DATE	DESCRIPTION

FLOOR PLAN DEMO -ELECTRICAL

2021016.000

ED3.1



NORTH

EVICT DAN	51	OD DEFEDENCE	VOLTS	208 /126		DUACE 4 WIDE	WAYE	
LOCATION MOUNTING AIC FED FROM	SURFACE 22,000 UTILITY	OR REFERENCE	VOLTS AMPS MCB GROUND BL		/ICE DISC	ONNECT)	, WTE	
CCT NO.	CCT BRKR	DESCRIPTION	LOAD KVA	CCT NO.	CCT BRKR	DESCRIPTION		LOAD KVA
 3 5 7 9 1 13 15 17 19 21 23 25 27 29 31 33 35 37 39 41 **GFC1 BR		EX BAND STAND BOX EX "WAGON" EX POLE RECEPT EX POLE RECEPT EX POLE RECEPT EX OUTLET BOX	12.00 7.00 2.00 2.00 2.00 0.36 0.36 0.36 0.36 0.36 0.36 0.36 0	2 4 6 8 10 12 14 16 18 22 24 26 30 32 36 36 42	100/3 50/2** 50/2** 50/2** 30/2 20/1 20/1 20/1 20/1 20/1 20/1 20/1 20/1 20/1 20/1 20/1	EX PANEL B EX POLE RECEPTEX POLE RECEPTEX LIGHTS — L EX RECEPT — L EX RECEPTS — L EX RECEPTS — L EX POLE RECEPTEX SPARE EX UTILITY RM EX OUTLET BOX	T IBRARY IBRARY LIBRARY T T T T RECEPT	31.73 2.00 2.00 2.00 2.50 0.18 0.72 0.18 0.18 0.18 0.18 0.00 0.54 0.36
CONNECTED	LOAD	VA	DEMANI	FACTOR		DE	MAND LOAD KVA	AMPS
LIGHTS RECEPTACL HEATING LARGEST M OTHER MOT MISCELLAN KITCH. AP	OTOR ORS EOUS	31 . 0 . 3 . 2 . 30 .	. 00 . 80 . 25	125 100 100 125 100 65)%)% 5%)%)%		3.75 31.92 0.00 4.75 2.25 30.74 0.00	10.41 88.60 0.00 13.18 6.25 85.33 0.00
		71.	.71				73.41	203.77
NEW PANEL LOCATION MOUNTING AIC FED FROM	A SURFACE 22,000 UTILITY		VOLTS AMPS MCB GROUND BU) 3 /ICE DISC	PHASE, 4 WIRE	, WYE	
CCT NO.	CCT BRKR	DESCRIPTION	LOAD KVA	CCT NO.	CCT BRKR	DESCRIPTION		LOAD KVA

NEW PANEL	Α			208 400	/120) ;	3 PHASE, 4 WIRE, WYE	
	SURFACE 22,000 UTILIT	0		400	(SER\	/ICE DIS	CONNECT)	
CCT NO.	CCT BRKR	DESCRIPTION	LOAD KVA		CCT NO.	CCT BRKR	DESCRIPTION	LOA KV
 	100/2	EX BAND STAND BOX	12.00		2	100/3	EX PANEL B	31.73
3 5 7 9	100/2	EX "WAGON"	7.00		4 6	F0 (2)	EV DOLE DECEDE	2 00
9	50/2	EX POLE RECEPT	2.00		8 10	50/2* 	EX POLE RECEPT	2.00
13	50/2	EX POLE RECEPT	2.00		12 14	50/2* 	EX POLE RECEPT	2.00
15 17	50/2*	EX POLE RECEPT	2.00		16 18	50/2* 	EX POLE RECEPT	2.00
19 21	20/I	EX OUTLET BOX	0.36		20 22	30/2 	EX LIGHTS - LIBRARY	2.50
23 25 27 29 31 33 35 37	20/I 20/I 20/I 20/I 20/I 20/I 20/I 20/I	EX OUTLET BOX	0.36 0.36 0.36 0.36 0.36 0.36 0.36		24 26 28 30 32 34 36 38	20/I 20/I 20/I 20/I 20/I 15/I 30/2	EX RECEPT - LIBRARY EX RECEPTS - LIBRARY EX POLE RECEPT EX SPARE	0.18 0.72 0.18 0.18 0.18 0.00
39 4 43 45	20/1 20/1 20/1 20/1	EX OUTLET BOX EX OUTLET BOX RECEPTS MECH RECEPTS FAMILY RR	0.36 0.36 0.36 0.36		40 42 44 46	20/1 20/1 20/2	EX UTILITY RM RECEPT EX OUTLET BOX HEAT TRACE	0.36 1.00
47 49 5 l	20/1 20/1 20/1	RECEPTS W/M RR RR LIGHTS INT RR LIGHTS EXT	0.36 0.56 0.14		48 50 52	20/1 30/2	HWCP-I WH-I	0.16 4.50
51 53 55 57 59 61	20/1 20/1 20/1 20/1 20/1 20/2	ACCESS POW SUPPLY SPARE SPARE SPARE SPARE SPARE	0.50 0.00 0.00 0.00 0.00		54 56 58 60 62	25/I 25/I 20/I 70/3	EF-1 EF-2 SPARE SEWAGE PUMP	1.18 1.18 0.00 23.40
63 65 67 69 71 73 75 77 79 81	1	SPACE SPACE SPACE SPACE SPACE SPACE SPACE SPACE SPACE SPACE			64 66 68 70 72 74 76 78 80 82 84	20/2 	EWH-I SPACE	0.00 1.50 0.00
TRANSFER *GFC BRE. CONNECTED	AKER	IRCUITS TO NEW PANEL,				AKERS	DEMAND LOAD	
CONNECTED		KVA	DEMAND	rAU	IUK		DEMAND LOAD KVA	AMP:

LIGHTS RECEPTACLES HEATING

LARGEST MOTOR OTHER MOTORS MISCELLANEOUS

KITCH. APPLIANCES

DEMAND LOAD KVA

113.69 315.56

EXIST PA LOCATION MOUNTING AIC FED FROM	SURFAC		VOLTS AMPS MAIN LUGS GROUND BL		0	3 PHASE, 4 WIRE, WYE	
CCT NO.	CCT BRKR	DESCRIPTION	LOAD KVA	CCT NO.	CCT BRKR	DESCRIPTION	LOA KV
 	30/2	EXIST WATER HEATER	4.00	2	20/2	EX IRRIGATION PUMP	2.25
3 5 7	20/2	EX UNIT HEATER	1.20	4 6	20/!	(N) HAND DRYER	0.96
9	20/2	EX SEC POLE LTS	0.30	8 10	20/I 20/I	EX IRRIGATION CTL/RADI HAND DRYER	0.20 0.96
11	50/2	EX POLE #3 OUTLET	2.00	2 4	20/I 20/I	EX POLE RECEPT EX POLE RECEPT	0.18 0.18
15 17 19 21 23 25 27	20/1 20/1 20/1 20/1 20/1 20/1	EX BLD LTS EX SPARE EX POLE RECEPT EX POLE RECEPT EX POLE RCEPT EX POLE RCPT (LIB)	0.00 0.00 0.18 0.18 0.36	16 18 20 22 24 26	20/I 20/I 20/I* 20/I* 40/2	EX POLE RECEPT EX POLE RECEPT HAND DRYER HAND DRYER SPARE	0.18 0.96 0.96 0.00
27 29	50/2 I	EX POLE #2 OUTLET	2.00	28 30	40/2 	SPARE	0.00
31	20/I 20/I	EX ART LTS EX SPARE	0.20 0.00	32 34	20/2 	EX WATER PARK CTL	0.50
33 35 37	20/I 20/I	EX SPARE EX SPARE	0.00 0.00	36 38	30/2 	EX SEWAGE GRNDR PMP	3.80
39 4 I 43	50/2 50/2	EX POLE #2 OUTLETS EX POLE OUTLET	2.00	40 42 44	30/1 20/1 50/2	EX WATER PARK PMP EX UNKNOWN EX POLE OUTLET	0.00 1.00 2.00
45 47	50/2	EX POLE OUTLET	2.00	46 48	20/2	EX UNKNOWN	1.00
49 51 53 *PROVIDE	EX SPA EX SPA	(CE		50 52 54	EX SPA EX SPA		
CONNECTE	D LOAD	KVA	DEMAND	FACTOR		DEMAND LOAD KVA	AMF
LIGHTS RECEPTAC HEATING LARGEST OTHER MO MISCELLA KITCH. A	MOTOR TORS NEOUS	13. 0. 3. 2. 11.	. 50 . 44 . 00 . 80 . 25 . 74	125 100 100 125 100 100	0% 0% 5% 0%	0.63 13.44 0.00 4.75 2.25 11.74 0.00	1.73 37.31 0.00 13.18 6.25 32.59 0.00
		31.	.73			32.81	91.06

106.91

125% 100% 100% 125% 100% 100% 65%

MECHANICAL CONNECTION SCHEDULE

LOCATION	VOLTAGE/PHASE	НР	KVA/KW	FLA MCA	МОСР	DISCONNECT/STARTER COMPONENT	CONDUIT AND WIRE SIZE	PANEL	CIRCUIT#	BREAKER SIZE	NOTES
	000//		4.00			5100011170			44.40	22/2	
	208/1		1.00		20	DISCONNECT	1/2"-4#12	A	44,46	20/2	
MECH 05	120/1		0.16		20	DISCONNECT	1/2"-3#12	Α	48	20/1	
MECH 05	208/1		4.50		30	DISCONNECT	1"-4#10	Α	50,52	30/2	
WOMEN'S 03	120/1	1/2	1.18		25	DISCONNECT	1/2"-3#12	Α	54	25/1	
MECH 05	120/1	1/2	1.18		25	DISCONNECT	1/2"-3#12	Α	56	25/1	
MECH 05	208/1		1.50	7.2	20	DISCONNECT	1/2"-4#12	Α	66,68	20/2	
SITE	208/3		23.40	65	70	DISCONNECT		А	60,62,64	70/3	DUPLEX PUMPS, SEE CIVI
	MECH 05 MECH 05 WOMEN'S 03 MECH 05 MECH 05	208/1 MECH 05 120/1 MECH 05 208/1 WOMEN'S 03 120/1 MECH 05 120/1 MECH 05 208/1	208/1 MECH 05 120/1 MECH 05 208/1 WOMEN'S 03 120/1 1/2 MECH 05 120/1 1/2 MECH 05 208/1	208/1 1.00 MECH 05 120/1 0.16 MECH 05 208/1 4.50 WOMEN'S 03 120/1 1/2 1.18 MECH 05 120/1 1/2 1.18 MECH 05 208/1 1.50	208/1 1.00 MECH 05 120/1 0.16 MECH 05 208/1 4.50 WOMEN'S 03 120/1 1/2 1.18 MECH 05 120/1 1/2 1.18 MECH 05 208/1 1.50 7.2	MECH 05 120/1 0.16 20 MECH 05 208/1 4.50 30 WOMEN'S 03 120/1 1/2 1.18 25 MECH 05 120/1 1/2 1.18 25 MECH 05 120/1 1/2 1.18 25 MECH 05 208/1 1.50 7.2 20	208/1 1.00 20 DISCONNECT	DISCONNECT 1/2"-4#12 MECH 05 120/1 1/2 1.18 25 DISCONNECT 1/2"-3#12 MECH 05 208/1 1.50 7.2 20 DISCONNECT 1/2"-4#12 MECH 05 208/1 2	MECH 05 120/1 1/2 1.18 25 DISCONNECT 1/2"-3#12 A	MECH 05 120/1 1/2 1.18 25 DISCONNECT 1/2"-3#12 A 54 MECH 05 120/1 1/2 1.18 25 DISCONNECT 1/2"-3#12 A 56 MECH 05 208/1 1/2 1.18 25 DISCONNECT 1/2"-3#12 A 56 MECH 05 208/1 1/2 1.18 25 DISCONNECT 1/2"-3#12 A 56 MECH 05 208/1 1/2 1.18 25 DISCONNECT 1/2"-3#12 A 56 MECH 05 208/1 1/2 1.18 25 DISCONNECT 1/2"-3#12 A 56 MECH 05 208/1 1.50 7.2 20 DISCONNECT 1/2"-4#12 A 66,68	MECH 05 120/1 1/2 1.18 25 DISCONNECT 1/2"-3#12 A 54 25/1 MECH 05 120/1 1/2 1.18 25 DISCONNECT 1/2"-3#12 A 56 25/1 MECH 05 208/1 1/2 1.18 25 DISCONNECT 1/2"-3#12 A 56 25/1 MECH 05 208/1 1/2 1.18 25 DISCONNECT 1/2"-3#12 A 56 25/1 MECH 05 208/1 1/2 1.18 25 DISCONNECT 1/2"-3#12 A 56 25/1 MECH 05 208/1 1.50 7.2 20 DISCONNECT 1/2"-4#12 A 66,68 20/2

PANEL A
400A

208Y/120V-3Ø-4W

. 208Y/120V-3Ø-4W
. 208Y/120V-3Ø-4W

PROVIDE UNISTRUT FRAME AS NEEDED FOR MOUNTING DISCONNECT, STARTERS, AND RECEPTACLES. ALL ROOF PENETRATIONS WITHIN UNIT CURB. NONE OUTSIDE UNIT CURB.

EXIST CT ENCLOSURE ----

BUILDING EXTERIOR

TO PSE TRANSFORMER -

1 POWER ONE-LINE DIAGRAM

NTS

EXIST METER AND BASE ON

UNIT	LOCATION	VOLTAGE/PHASE	НР	KVA/KW	FLA	MCA	МОСР	DISCONNECT/STARTER COMPONENT	CONDUIT AND WIRE SIZE	PANEL	CIRCUIT#	BREAKER SIZE	NOTES
HEAT TRACE													
HEATING CABLE		208/1		1.00			20	DISCONNECT	1/2"-4#12	Α	44,46	20/2	
OMESTIC PUMPS													
HWCP-1	MECH 05	120/1		0.16			20	DISCONNECT	1/2"-3#12	Α	48	20/1	
VATER HEATERS													
WH-1	MECH 05	208/1		4.50			30	DISCONNECT	1"-4#10	Α	50,52	30/2	
EXHAUST FANS													
EF-1	WOMEN'S 03	120/1	1/2	1.18			25	DISCONNECT	1/2"-3#12	Α	54	25/1	
EF-2	MECH 05	120/1	1/2	1.18			25	DISCONNECT	1/2"-3#12	Α	56	25/1	
HEATERS													
EWH-1	MECH 05	208/1		1.50	7.2		20	DISCONNECT	1/2"-4#12	Α	66,68	20/2	
SEWER PUMPS													
DUPLEX PUMP SYSTEM	SITE	208/3		23.40	65		70	DISCONNECT		Α	60,62,64	70/3	DUPLEX PUMPS, SEE CIVII
NERAL NOTES:													

LIGHTING FIXTURE SCHEDULE

TYPE	LAMP	ССТ	MINIMUM CRI	CONTROL	MANUFACTURER	DESCRIPTION
RL-1	LED	3500K	80 CRI	0-10V DIM	PRESCOLITE: LF4 L4LFSL	RECESSED 4" LED LENSED DOWNLIGHT WITH SEMI DIFFUSE REFLECTOR, WIDE DISTRIBUTION
					EATON: PORTFOLIO LD4B LD4B	AND INTEGRAL DRIVER. WET LOCATION.
					PHILIPS LIGHTOLIERC4RDL C4R	
					GOTHAM EVO4	
SL-1	LED	3500K	80 CRI	0-10V DIM	COLUMBIA: LCL4	LENSED LED STRIPLIGHT. PROVIDE WITH INTEGRAL BATTERY BACKUP.
					LITHONIA: ZL1N-L48	
					METALUX: SNLED-LD4	
					DAYBRITE: FSS	
WL-1	LED	3500K	80 CRI	0-10V DIM	COOPER: ENC-SA1	LED ROUND WALL SCONCE WITH TYPE 4 WIDE DISTRIBUTION AND MOTION SENSOR.
				\triangle	LITHONIA: WSR-P4-30K-SR4-MVOLT	
WL-2	LED	3500K	80 CRI	0-10V DIM	METALUX: 4BCLED-LD4-40SL	WALL-MOUNTED LENSED LED LINEAR WRAP. DAMP LOCATION RATED. PROVIDE WITH
				\triangle	LITHONIA: BLWP4-40L-SDSM-EZ1-LP835- E10WLCP	INTEGRAL BATTERY BACKUP.
WL-3	LED	3500K	80 CRI	0-10V DIM	COOPER EON-303-W1-LEDB1-2500-T2-EDGE	WALL-MOUNTED EDGE-LIT LED FIXTURE WITH FIELD ADJUSTABLE ANGLE BRACKET MOUNTING WET LOCATION.
				\triangle	BEGA: 33341-K3	WEI EOCATION.

MOUNTING HEIGHTS PER ARCHITECTURAL ELEVATIONS. EQUALS ACCEPTABLE PENDING SUBSTITUTION REQUEST AND REVIEW BY ARCHITECT AND ENGINEER.

ON/OFF

City of P Development & Pe ISSUED	_
Building	Planning
Engineering	Public Works
Fire	Traffic

LIGHTING CO	NTROL SCHEDULE: PUYALL	UP PIONEER PARK	RESTROOM			
CONTROLLER	R ROOM	PANEL	CIRCUIT	INTERFACE	DEVICES	DESCRIPTION
EXT	EXTERIOR LIGHTING ZONE: 1) 51	A <i>FUNCTION:</i> ON/OFF	51	0-10VDC SWITCH LABEL: ON/OFF	DIG SWITCH, TIMER/ASTRO-CLCK, PHOTOCELL	GENERAL
MECH	MECH 05 <i>ZONE:</i> 1) a	A <i>FUNCTION:</i> ON/OFF	49 a	0-10VDC SWITCH LABEL: ON/OFF	DIG SWITCH, OCCUPANCY	GENERAL
RR	RESTROOM		а	0-10VDC	DIG SWITCH, OCCUPANCY SENSOR, PHOTOCELL	TOPLIT ZONE 1
			b	0-10VDC	DIG SWITCH, OCCUPANCY SENSOR, PHOTOCELL	TOPLIT ZONE 2
			С	0-10VDC	DIG SWITCH, OCCUPANCY SENSOR, PHOTOCELL	TOPLIT ZONE 3
			d	0-10VDC	DIG SWITCH, OCCUPANCY SENSOR, PHOTOCELL	TOPLIT ZONE 4
4 BUTTON						
SWITCH	ZONE:	FUNCTION:		SWITCH LABEL:		
	1) a	ON/OFF		FAMILY 1		
	2) b	ON/OFF		FAMILY 2		
	3) c	ON/OFF		WOMEN'S		

MENS

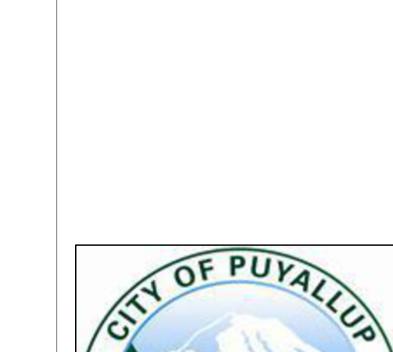
GENERAL NOTES: COORDINATE WITH PSE FOR ANY ELECTRIC SERVICE DISCONNECT AND RECONNECT. COORDINATE WITH THE OWNER ON TIMING OF EXIST PANEL A REMOVAL AND INSTALLATION OF NEW PANEL A. PANEL A INSTALLATION AND

RECRUITING MUST BE COMPLETED IN UNDER (2) WEEKS FROM EXIST PANEL A REMOVAL.









(206) 322-3322



BID SET

SSUE DATE:	OCTOBER 7, 2022						
REVISION	DATE	DESCRIPTION					

ONE-LINE DIAGRAM & ELECTRICAL

SCHEDULES AS INDICATED KH/PM 2021016.000 PROJECT NO:

E4.0