FREEMAN ROAD LOGISTICS

BUILDING - A

PUYALLUP

Freeman Road E,
Puyallup, WA - 98371

PERMIT SUBMITTAL

SYNTHESIS PLLC
THE FUSION OF ARCHITECTURE, DESIGN TECHNOLOGY & PEOPLE

12503 Bel-Red Road, Suite 100
Bellevue, WA 98005
p 425 646 1818 f 425 646 4141

VECTOR
Development Company
11411 NE 124th Street
Suite 190
Kirkland, WA 98034

REVISIONS

ISSUE NO.	DATE	ITEM
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PROFESSIONAL STAMP

7154 REGISTERED ARCHITECT
RANDALL LEE BROWN
STATE OF WASHINGTON

Digitally signed by Randy Brown
Date: 2024.02.01 09:12:19 -08'00'

PROJECT INFORMATION

BUILDING A
Freeman Road Logistics
Puyallup, WA

SHEET INFORMATION

RELEASE FOR: PERMIT SUBMITTAL
TITLE: COVER SHEET

DESIGNED BY: DRAWN BY:
REVIEWED BY: APPROVED BY:
DATE: 01 05 21
SHEET NO: CS
PROJECT NO: 201401.13.031

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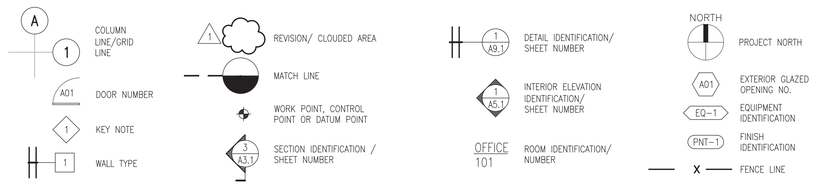
ABBREVIATIONS

∠	ANGLE	CG	CORNER GUARD	EMER	EMERGENCY	GA	GAUGE	LG	LAMINATED GLASS	PL	PLATE OR PROPERTY LINE	RWL	RAIN WATER LEADER	TIG	TEMPERED INSULATED GLAZING
℄	CENTER LINE	CI	CAST IRON	ENCL	ENCLOSURE OR ENCLOSED	GALV	GALVANIZED	LH	LEFT HAND	PLAM	PLASTIC LAMINATE	S	SOUTH	TKBD	TACK BOARD
ø	DIAMETER OR ROUND	CJT	CONTROL JOINT			GB	GRAB BAR	LL	LIVE LOAD	PWD	PLYWOOD	SC	SOLID CORE	TO	TOP OF
°	DEGREES	CLG	CEILING	EWC	ELECTRIC WATER COOLER	GL	GLASS OR GLAZING	LMS	LIQUID MARKING SURFACE	PNL	PANEL	SCD	SEAT COVER DISPENSER	TOC	TOP OF CONCRETE
#	NUMBER OR POUND	CJ	CONSTRUCTION JOINT	EQ	EQUAL	GLBM	GLU-LAM BEAM	LT	LIGHT	PNT	PAINT	SCHD	SCHEDULE	TOP	TOP OF PAVEMENT
±	PLUS OR MINUS	CLK	CAULKING	EQPT	EQUIPMENT	GC	GENERAL CONTRACTOR	LVT	LUXURY VINYL TILE	POL	POLISH	SD	SOAP DISPENSER OR STORM DRAIN	TOS	TOP OF STEEL
⊥	PERPENDICULAR	CLR	CLEAR	ESEW	EMERGENCY SHOWER/ EYE WASH	GND	GROUND	LWC	LIGHT WEIGHT CONCRETE	PR	PAIR	SECT	SECTION	TOSL	TOP OF SLAB
ℙ	PLATE	CMU	CONCRETE MASONRY UNIT	EST	ESTIMATE	GWB	GYPSUM WALL BOARD	MAS	MASONRY	PRCST	PRECAST	SF	SQUARE FEET	TOW	TOP OF WALL
AB	ANCHOR BOLT	CNTR	COUNTER	EXH	EXHAUST	GYP	GYPSUM	MATL	MATERIAL	PSF	POUNDS PER SQUARE FOOT	SHT	SHEET	TPD	TOILET PAPER DISPENSER
AC	ACOUSTICAL OR ASPHALT CONCRETE	CO	CLEANOUT	EXP	EXPANSION	HB	HOSE BIB	MAX	MAXIMUM	PSI	POUNDS PER SQUARE INCH	SHTG	SHEATHING	TPH	TOILET PAPER HOLDER
A/C	AIR CONDITIONING	COL	COLUMN	EX/EXIST	EXISTING	HBD	HARD BOARD	MB	MACHINE BOLT	PT	PRESSURE TREATED	SIG	SOLAR INSULATED GLAZING	TPTN	TOILET PARTITION
ACP	ACOUSTICAL PANEL	CONC	CONCRETE	EXP	EXPOSED	HC	HOLLOW CORE OR HANDICAP	MDO	MEDIUM DENSITY OVERLAY	PTD	PAPER TOWEL DISPENSER	SIM	SIMILAR	TS	TUBULAR STEEL
ACT	ACOUSTICAL TILE	CONN	CONNECTION	EXT	EXTERIOR	HD	HAND DRYER	MDF	MEDIUM DENSITY FIBERBOARD	PTD/R	PAPER TOWEL DISPENSER AND RECEPTACLE	SK	SINK	TV	TELEVISION
ADD	ADDITIVE	CONSTR	CONSTRUCTION	FA	FIRE ALARM	HDR	HEADER	MECH	MECHANICAL			SLR	SEALER	TYP	TYPICAL
ADH	ADHESIVE	CONT	CONTINUOUS	FB	FLAT BAR	HDWD	HARD WOOD	MEMB	MEMBRANE			SND	SANITARY NAPKIN DISPENSER	UL	UNDERWRITERS LABORATORY
ADJ	ADJACENT	CORR	CORRIDOR	FBD	FIBER BOARD	HDWE	HARDWARE	MTL	METAL			SNR	SANITARY NAPKIN RECEPTACLE	UON	UNLESS OTHERWISE NOTED
ADJT	ADJUSTABLE	CPT	CARPET	FBO	FURNISHED BY OTHERS	HM	HOLLOW METAL	MEZZ	MEZZANINE	PTN	PARTITION	SNT	SEALANT	UR	URINAL
AFF	ABOVE FINISH FLOOR	CT	CERAMIC TILE	FCIC	FURNISHED BY CONTRACTOR INSTALLED BY CONTRACTOR	HORIZ	HORIZONTAL	MFR	MANUFACTURER	PTR	PAPER TOWEL RECEPTACLE	SPEC	SPECIFICATION	VAR	VARIES
AGG	AGGREGATE	CTR	CENTER			HR	HOUR	MH	MAN HOLE	PVC	POLYVINYL CHLORIDE	SPGL	SPANDREL GLASS	VCT	VINYL COMPOSITION TILE
AL	ALUMINUM	CTSK	COUNTER SINK			HT	HEIGHT	MIN	MINIMUM	PVMT	PAVEMENT	SQ	SQUARE	VENT	VENTILATOR
ALT	ALTERNATE	CY	CUBIC YARD	FCTY	FACTORY	HTG	HEATING	MIR	MIRROR	QT	QUARRY TILE	SS	SOLID SURFACING	VERT	VERTICAL
AP	ACCESS PANEL	D	DEEP, DEPTH	FD	FLOOR DRAIN	HVAC	HEATING/VENTILIATION/ AIR CONDITIONING	MISC	MISCELLANEOUS	R	RISER	SST	STAINLESS STEEL	VEST	VESTIBULE
APPROX	APPROXIMATE	DBL	DOUBLE	FDN	FOUNDATION	HWH	HOT WATER HEATER	MO	MASONRY OPENING	RA	RETURN AIR	SSK	SERVICE SINK	VNR	VENEER
ARCH	ARCHITECTURAL	DEPT	DEPARTMENT	FE	FIRE EXTINGUISHER	IBC	INTERNATIONAL BUILDING CODE	MTD	MOUNTED	RAD	RADIUS	STA	STATION	VR	VAPOR RETARDER
AWF	ACOUSTICAL WALL FABRIC	DET	DETAIL	FEC	FIRE EXTINGUISHER CABINET	ID	INSIDE DIAMETER/ DIMENSION	MULL	MULLION	RB	RESILIENT BASE	STC	SOUND TRANSMISSION CLASS	W	WEST
AWP	ACOUSTICAL WALL PANEL	DIA	DIAMETER	FF	FINISHED FLOOR FINISH	IG	INSULATED GLASS	N	NORTH	R&S	ROD & SHELF	STN	STAIN	W/	WITH
BD	BOARD	DIAG	DIAGONAL	FL	FLOOR	IN	INCH	NIC	NOT IN CONTRACT	RD	ROOF DRAIN	STD	STANDARD	W/O	WITHOUT
BETW	BETWEEN	DIM	DIMENSION	FLG	FLASHING	INCL	INCLUDE	NO/#	NUMBER	RD/O	ROOF DRAIN OVERFLOW	STL	STEEL	WC	WATER CLOSET
BLDG	BUILDING	DISP	DISPENSER	FLUOR	FLUORESCENT	INSUL	INSULATION	NOM	NOMINAL	REBAR	REINFORCING BAR	STOR	STORAGE	WD	WOOD
BLK	BLOCK	DMPF	DAMP PROOFING	FOC	FACE OF CONCRETE	INT	INTERIOR	NRC	NOISE REDUCTION COEFFICIENT	REF	REFERENCE, REFLECTED	STRL	STRUCTURAL	WDO	WINDOW
BLKG	BLOCKING	DN	DOWN	FOF	FACE OF FINISH	INV	INVERT	NTS	NOT TO SCALE	REFR	REFRIGERATOR	SUSP	SUSPENDED	WF	WIDE FLANGE
BM	BEAM	DR	DOOR OR DRAIN	FOIC	FURNISH BY OWNER INSTALL BY CONTRACTOR	JAN	JANITOR	OA	OVERALL	REINF	REINFORCED	SV	SHEET VINYL	WG	WIRE GLASS
BRG	BEARING	DWR	DRAWER	FOIO	FURNISH BY OWNER INSTALL BY OWNER	JST	JOIST	OBS	OBSCURE	REQ	REQUIRED	SYM	SYMMETRICAL	WM	WIRE MESH
BO	BOTTOM OF	DS	DOWNSPOUT	FOS	FACE OF STUD	JT	JOINT	OC	ON CENTER	REV	REVISION	SWC	SPECIAL WALL COVERING	WOM	WALK OFF MAT
BOT	BOTTOM	DW	DISHWASHER	FPW	FREEZE PROOF WALL	KO	KNOCK OUT	OD	OUTSIDE DIAMETER/ DIMENSION	RH	RIGHT HAND OR ROBE HOOK	T	TREAD	WP	WATER PROOF
BSMT	BASEMENT	DWG	DRAWING		HYDRANT	KS	KNEE SPACE	OH	OVERHEAD	RESIL	RESILIENT	TB	TOWEL BAR	WPT	WORKING POINT
BUR	BUILT UP ROOF	E	EAST	FS	FULL SIZE	LAB	LABORATORY	OPH	OPPOSITE HAND	RIO	ROUGH-IN ONLY	T&B	TOP & BOTTOM	WR	WATER RESISTANT
CAB	CABINET	EA	EACH	FT	FEET	LAM	LAMINATE	OPNG	OPENING	RM	ROOM	T&G	TONGUE & GROOVE	WSCT	WAINSCOT
CB	CATCH BASIN	EB	EXPANSION BOLT	FTG	FOOTING	LAV	LAVATORY	OPP	OPPOSITE	RO	ROUGH OPENING	TG	TEMPERED GLASS	WT	WEIGHT
CBU	CEMENTITIOUS BACKER UNIT	EJ	EXPANSION JOINT	FURR	FURRING	LB	LAG BOLT	PBD	PARTICLE BOARD	RT	RESILIENT/RUBBER TILE	THK	THICK	WWF	WELDED WIRE FABRIC
CMT	CEMENT	EIFS	EXTERIOR INSULATED FINISH SYSTEM	FUT	FUTURE	LF	LINEAL FOOT	PERP	PERPENDICULAR	RUB	RUBBER	THR	THRESHOLD	XFMR	TRANSFORMER
CL	CENTER LINE	EL	ELEVATION			L	LONG, LENGTH							YD	YARD
CER	CERAMIC	ELEC	ELECTRIC												
CFM	CUBIC FEET PER MINUTE	ELEV	ELEVATOR												

SYMBOLS



ZONING INFORMATION

1. Jurisdiction: **PUYALLUP, WASHINGTON**
2. Present Zoning: **ML – LIMITED MANUFACTURING W/ FREEMAN ROAD OVERLAY**
3. Projected site use requires: **DESIGN CODE COMPLIANCE**
4. Use Zone Adjacent Lots: N, S & E **ML**; W **CITY OF FIFE: MDR**
5. Special Regulations Applicable:
   - A. Shoreline Management Act Setback required — Yes ___ No **X**
   - B. Flood Plain or Waterway — Yes **X** No ___
   - C. Airport open use/glide path — Yes ___ No **X**
   - D. Storm Water Retention/Run-Off — Yes **X** No ___
   - E. Fire Lane Requirements — **26' min width** No ___
6. Setbacks For 40' Structure Required: West Yard **36'-8"** North Yard **0'-0"**; East Yard **36'-8"** South Yard **36'-8"**
7. Easements, Vacations, restrictive convenants as applicable: **SEE CIVIL DRAWINGS**
8. Parking

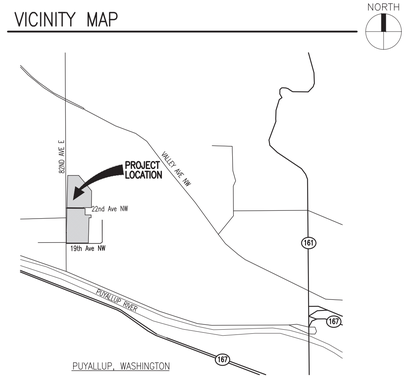
Building Shell (Office space area is speculative)

Office	10,000 SF	1 Stall/300 SF	33.33	Stalls
Warehouse	224,423 SF	1 Stall/3,000 SF	74.8	Stalls
Parking Stalls Required	5 Accessible (1 Van)	111 Parking	108.13	Total
Parking Stalls Provided	5 Accessible (2 Van)	125 Parking	130	Total

Standard: 85 SIZE: 9'-0" x 20'-0"
Compact: 40 SIZE: 8'-0" x 17'-0" (MIN 30%, MAX 50%)
Bicycle: (5) REQUIRED PER 20.55.016(2)
Electric Vehicle Charging Infrastructure: REQ PER WA STATE AMEND 2018 IBC 429.2

9. Total Site Area 469,541 SF 10.78 Acres
10. Lot Coverage 469,541 SF

VICINITY MAP



GENERAL NOTES

1. DIMENSIONS ARE TO FACE OF STUD, CONCRETE OR CENTER LINE OF COLUMN, UNLESS OTHERWISE NOTED.
2. DO NOT SCALE DRAWINGS; DIMENSIONS GOVERN.
3. VERIFY ALL EXISTING CONDITIONS, DIMENSIONS, DETAILS, ETC. NOTIFY ARCHITECT OF ANY AND ALL DISCREPANCIES PRIOR TO PROCEEDING WITH THE WORK.
4. WHEN CONSTRUCTION DETAILS ARE NOT SHOWN OR NOTED FOR ANY PART OF THE WORK, DETAILS SHALL BE THE SAME AS FOR OTHER SIMILAR WORK. IF QUESTIONS CANNOT BE RESOLVED IN THIS MANNER, CONTACT THE ARCHITECT.
5. VERIFY ELEVATIONS & LOCATIONS TO BE JOINED BEFORE CONSTRUCTION. CONTACT ARCHITECT IF THEY DIFFER FROM THOSE SHOWN ON DRAWINGS.
6. ALL ROUGH-INS TO BE APPROVED PRIOR TO FRAMING INSPECTION.
7. MECHANICAL, ELECTRICAL, AND PLUMBING ARE BIDDER DESIGN. PORTIONS OF THIS WORK SHOWN ON DRAWINGS IS FOR DESIGN INTENT OR FOR COORDINATION ONLY.
8. MECHANICAL DESIGN/BUILD CONTRACTOR SHALL PROVIDE A MECHANICAL VENTILATION SYSTEM CAPABLE OF SUPPLYING THE MINIMUM OUTDOOR AIR QUANTITIES SPECIFIED IN THE 2018 IMC WITH WASHINGTON AMENDMENTS.
9. ELECTRICAL DESIGN/BUILD CONTRACTOR SHALL PROVIDE AND INSTALL MEANS OF EGRESS ILLUMINATION AND ILLUMINATED EXIT SIGNS PER 2018 IBC SECTIONS 1008 AND 1013.
10. SEPARATE PERMIT SUBMITTALS:
    - GRADING PERMIT
    - DEMOLITION PERMIT FOR EXISTING STRUCTURES
    - FIRE ALARM MEETING NFPA 72 REQUIREMENTS
    - SPRINKLERS MEETING NFPA 13 REQUIREMENTS
    - UNDERGROUND WATER SUPPLY FOR FIRE SPRINKLER SYSTEMS
    - ELECTRICAL
    - SEWER PERMIT

CODE INFORMATION

Code Edition: 2018 IBC, 2018 IFC, 2018 IMC, 2018 UPC, 2018 WSEC (WAC 51-11), ICC/ANSI A117.1-2009; WASHINGTON STATE AMENDMENTS TO THE ABOVE (WAC 51-50).

Amended by Local Jurisdiction Yes ___ No **X** Date ___

Construction: New **X**; Addition ___; Alteration ___; Repair ___

BUILDING CLASSIFICATION

A. Occupancy Classification (Section 302) **B / F-1 / S-1**

B. Type of Construction (Section 601)
   1. Type of Construction **III-B**
   2. Automatic Sprinklers Provided Yes **ESFR** No ___

C. Location of Property (602.1) **SEE SHEET A1.1**

	Distance to Property Line	Openings Permitted (Table 705.8)	Openings Protected (Table 705.8)	Fire Resistance of Exterior Wall (Table 601 & 602)
North	79'-0" Feet	Yes **X** No ___	Yes ___ No **X**	2-HR
East	108'-4" Feet	Yes **X** No ___	Yes ___ No **X**	2-HR
South	73'-3 1/2" Feet	Yes **X** No ___	Yes ___ No **X**	2-HR
West	37'-3" Feet	Yes **X** No ___	Yes ___ No **X**	2-HR
(Other)	— Feet	Yes ___ No ___	Yes ___ No ___	

D. Building Area (Section 506)
   1. Unlimited Building Area Per 507.4/507.5
   2. Actual Floor Area: 1st Flr: **234,423** SF Mezz: **0** SF Total: **234,423** SF

E. Allowable Height and Number of Stories (Table 504.3 & 504.4)

1. Tabular Building Height Allowed	75 Feet	3 Stories
2. Actual Building Height	42'-6" Feet	1 Stories

F. OCCUPANCY LOAD (Per IBC Table 1004.5)

FIRST FLOOR

SPACE	FUNCTION	LOAD FACTOR	AREA	OCCUPANT LOAD
Office	Business	150 SF	10,000	66.66 Persons
Warehouse	Warehouse	500 SF	224,423	448.85 Persons
TOTAL				515.51 Persons

TOTAL POINTS REQUIRED: 6
C406.2 MORE EFFICIENT HVAC EQUIPMENT 2
C406.3 REDUCED LIGHTING POWER 4

5. THE AIR LEAKAGE RATE OF THE BUILDING ENVELOPE(S) SHALL NOT EXCEED 0.25 CFM/FT2 AT A PRESSURE DIFFERENTIAL OF 0.3 INCHES WATER GAUGE. A BLOWER DOOR TEST SHALL BE CONDUCTED FOLLOWING ALL PROCEDURES OUTLINED IN 2018 WSEC C402.5.1.2.

ENERGY CODE

1. ENERGY CODE COMPLIANCE:
   - WAREHOUSE AREAS: SEMI-HEATED
   - COMPLIANCE METHOD: COMPONENT
2. INSULATION REQUIREMENTS:
   - ROOF INSULATION: RIGID CONTINUOUS OVER DECK: R-32
   - WALL INSULATION: NONE
   - PERIMETER SLAB INSULATION: NONE
   - MAN DOORS: U-0.37
   - SECTIONAL DOORS: R-16
   - FIXED WINDOWS: SEE SHEET A3.1
   - METAL ENTRANCES: SEE SHEET A3.1
   - SKYLIGHTS: SEE SHEET A3.1
3. SHADING COEEFICIENTS
   - FIXED WINDOWS: SEE SHEET A3.1
   - METAL ENTRANCES: SEE SHEET A3.1
   - SKYLIGHTS: SEE SHEET A3.1
4. EFFICIENCY PACKAGES:

INDEX OF DRAWINGS

PROJECT INFORMATION

PROJECT SCOPE: NEW INDUSTRIAL BUILDING: TILT UP CONSTRUCTION

PROJECT ADDRESS: SEE LEGAL DESCRIPTION

BUILDING OWNER: CRP/VDC FREEMAN LOGISTICS

PROPERTY TAX NO.: 0420174075, 0420201039, 0420201066, 0420201034, 0420201052, 0420201040, 0420205016, 0420205017

TENANT: TBD

ARCHITECT: SYNTHESIS ARCHITECTS PLLC
12503 NE BEL-RED ROAD, SUITE 100
BELLEVUE, WA 98005
CONTACT: RANDY BROWN | PRINCIPAL ARCHITECT
(425) 646-1818 OFFICE
(206) 228-8000 CELLPHONE

STRUCTURAL: SHUTLER CONSULTING ENGINEERS
12503 NE BEL-RED ROAD, SUITE 100
BELLEVUE, WA 98005
CONTACT: JOHN HEADLAND | PRINCIPAL ENGINEER
(425) 450-4075 OFFICE

LEGAL DESCRIPTION

0420174075 : SECTION 17 TOWNSHIP 20 RANGE 04 QUARTER 44 : THAT POR SW OF SE OF SE LY S OF ELY LI PUGET SOUND ELECTRIC R/W EXC NLY 208 FT AND EXC RDS SE OF SE 17-20-04E COMB 4-022 & 4-055 SEG R-1426 NF EMS

0420201039 : SECTION 20 TOWNSHIP 20 RANGE 04 QUARTER 11 : BEG AT A PT 15 FT E OF NW COR OF NW OF NE OF NE OF SEC TH E 330 FT TH S 272.06 FT TH W 330 FT TH N 272.06 FT TO BEG EXC S 100 FT OF W 160 FT THEREOF SEG E 8095

0420201066 : SECTION 20 TOWNSHIP 20 RANGE 04 QUARTER 11 : S 100 FT OF W 160 FT OF FOLL DESC PROP BEG AT A PT 15 FT E OF NW COR OF NE OF NE OF SEC TH E 330 FT TH S 272.06 FT TH W 330 FT TH N 272.06 FT TO BEG SEG E 8095

0420201034 : SECTION 20 TOWNSHIP 20 RANGE 04 QUARTER 11 : BEG 15 FT E & 272.66 FT S OF NW COR OF NW OF NE OF NE OF SEC TH E 330 FT TH S 68.17 FT TH W 142 FT TH N 20 FT TH W 20 FT TH S 20 FT TH W 168 FT TH N 68.17 FT TO BEG SEG E 8094

0420201052 : SECTION 20 TOWNSHIP 20 RANGE 04 QUARTER 11 : BEG 15 FT E & 340.83 FT S OF NW COR OF NW OF NE OF NE OF SEC TH E 168 FT TH N 20 FT TH E 20 FT TH S 20 FT TH E 97 FT TH S 68.17 FT TH W 285 FT TH N 68.17 FT TO BEG SEG E 8094

0420201040 : SECTION 20 TOWNSHIP 20 RANGE 04 QUARTER 11 : COM NW COR OF NW OF NE OF NE TH E 345 FT TO POB TH S 408.4 FT M/L TH E 110.6 FT TH N 408.4 FT M/L TO N LI OF SD SUBD TH W 110.6 FT TO POB EXC RDS SUBJ TO EASE

0420205016 : SECTION 20 TOWNSHIP 20 RANGE 04 QUARTER 11 : L 1 OF S P 94-03-23-1137 EXC THAT POR CYD TO P CO PER ETN 857826 TOG/W EASE & RESTRICTIONS OF REC OUT OF 1-048 & 1-020 SEG F-0932 JU 4/8/94JU

0420205017 : SECTION 20 TOWNSHIP 20 RANGE 04 QUARTER 11 : L 2 OF S P 94-03-23-1137 EXC THAT POR CYD TO P CO PER ETN 857826 TOG/W EASE & RESTRICTIONS OF REC OUT OF 1-048 SEG F-0932 JU 4/8/94 JU

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7154 REGISTERED ARCHITECT RANDALL LEE BROWN STATE OF WASHINGTON

Digitally signed by Randy Brown
Date: 2024.02.01 09:12:33 -08'00'

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Freeman Road Logistics
Puyallup, WA

SHEET INFORMATION

RELEASE FOR: PERMIT SUBMITTAL
TITLE: GENERAL INFORMATION

DESIGNED BY: DRAWN BY:
REVIEWED BY: APPROVED BY:
DATE: 01 05 21
SHEET NO: G1.1
PROJECT NO: 201401.13.031

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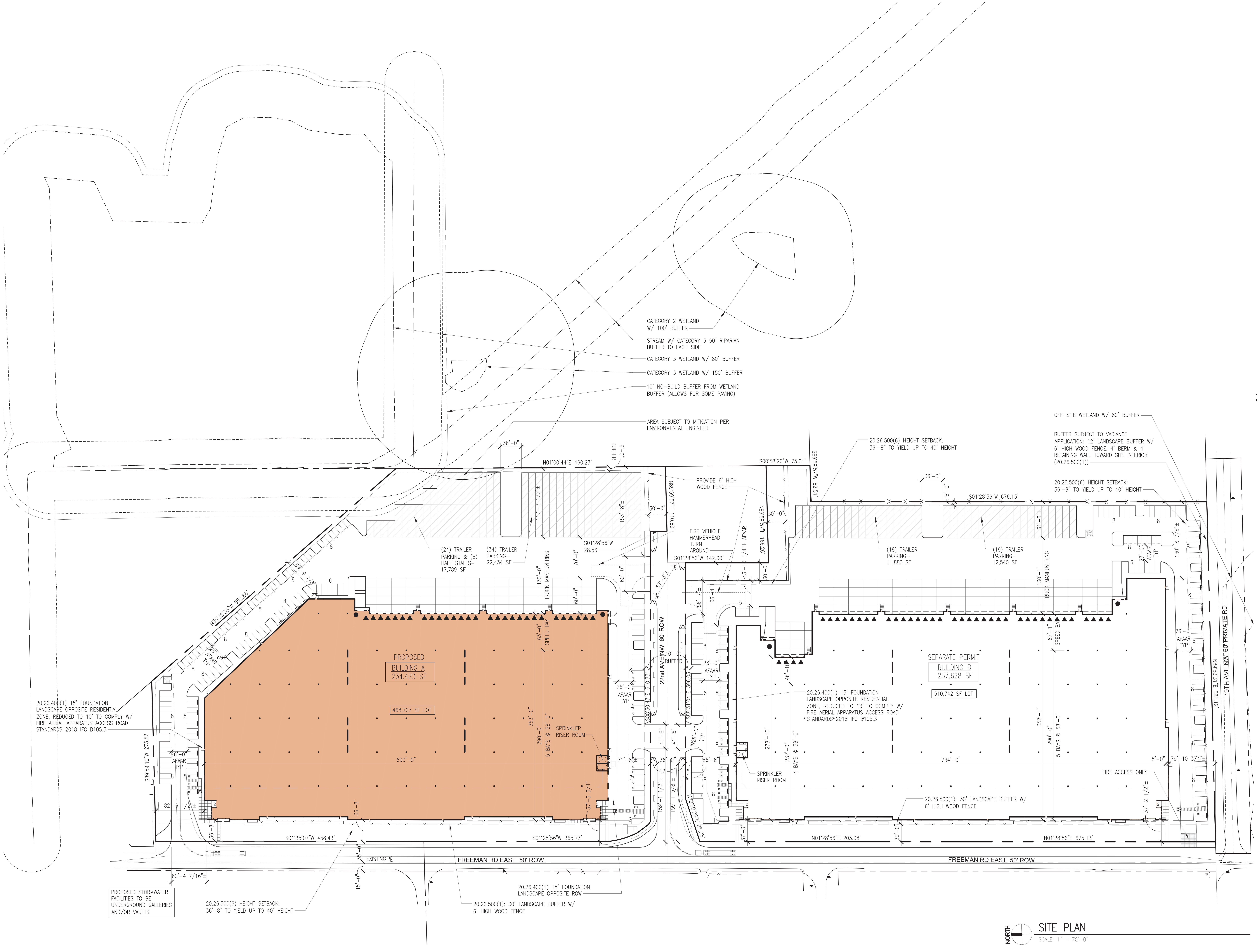

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PROJECT DATA

SITE AREA	979,449 SF
BUILDING AREA	492,051 SF
COVERAGE	50.2%
BUILDING A PARKING REQUIRED	108.3
10,000 SF OFFICE @ 1:300	33.3
224,901 SF WHSE @ 1:3000	75.0
PARKING PROVIDED	130
BUILDING B PARKING REQUIRED	116.0
10,000 SF OFFICE @ 1:300	33.3
248,102 SF WHSE @ 1:3000	82.7
PARKING PROVIDED	140
▲ 9'x10' DOCK DOOR	69
● 12'x14' GRADE ACCESS DOOR	4

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PROJECT INFORMATION

BUILDING A
Freeman Road Logistics
Puyallup, WA

SHEET INFORMATION

RELEASE FOR: PERMIT SUBMITTAL
TITLE: SITE PLAN

DESIGNED BY:
DRAWN BY:
REVIEWED BY:
APPROVED BY:
DATE: 01 05 21
SHEET NO: A1.1
PROJECT NO: 201401.13.031

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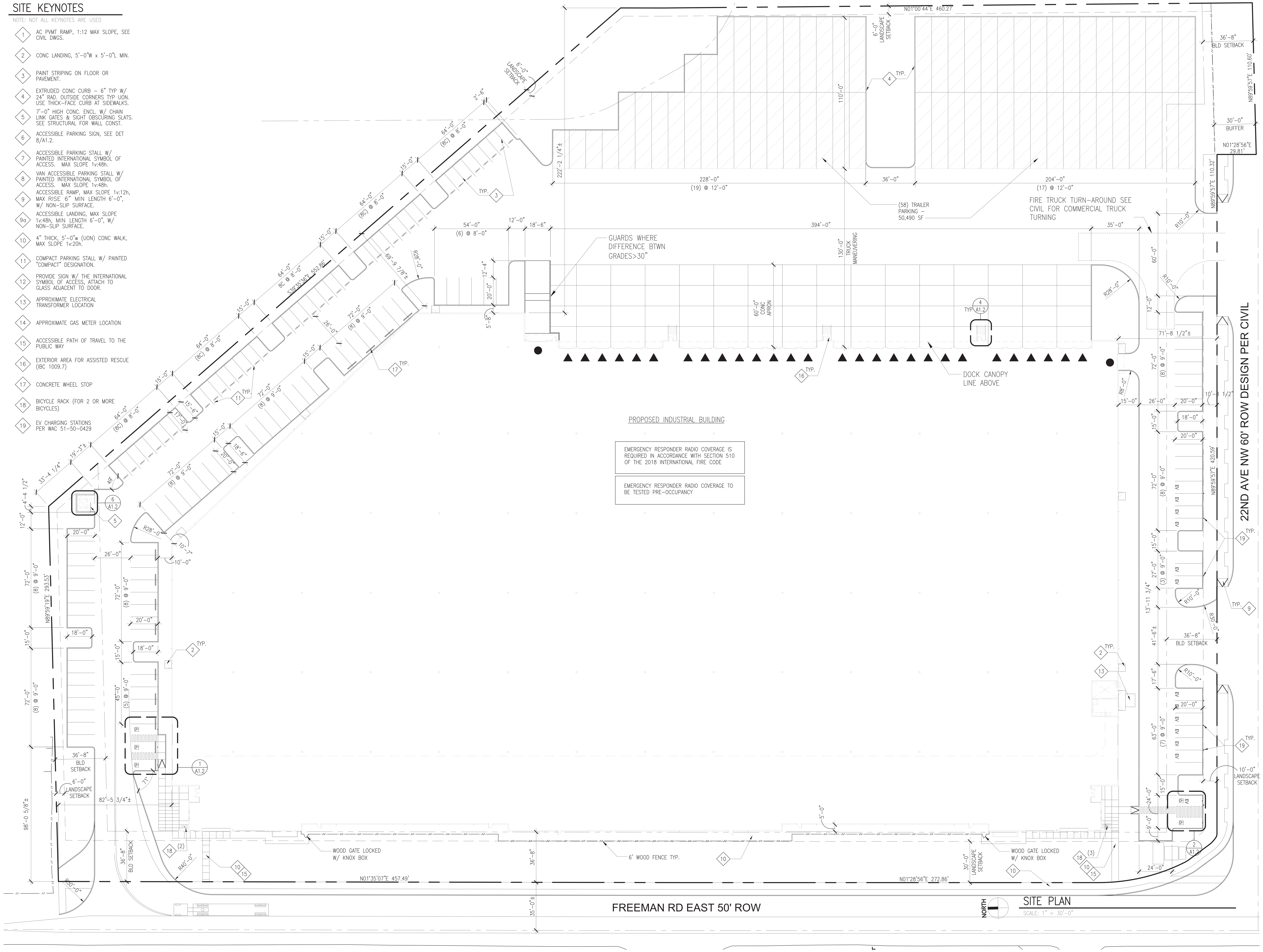
SITE KEYNOTES

NOTE: NOT ALL KEYNOTES ARE USED

1. AC PVMT RAMP, 1:12 MAX SLOPE, SEE CIVIL DWGS.
2. CONC LANDING, 5'-0"W x 5'-0"L MIN.
3. PAINT STRIPING ON FLOOR OR PAVEMENT.
4. EXTRUDED CONC CURB – 6" TYP W/ 24" RAD. OUTSIDE CORNERS TYP UON. USE THICK-FACE CURB AT SIDEWALKS.
5. 7'-0" HIGH CONC. ENCL. W/ CHAIN LINK GATES & SIGHT OBSCURING SLATS. SEE STRUCTURAL FOR WALL CONST.
6. ACCESSIBLE PARKING SIGN, SEE DET 8/A1.2.
7. ACCESSIBLE PARKING STALL W/ PAINTED INTERNATIONAL SYMBOL OF ACCESS. MAX SLOPE 1v:48h.
8. VAN ACCESSIBLE PARKING STALL W/ PAINTED INTERNATIONAL SYMBOL OF ACCESS. MAX SLOPE 1v:48h.
9. ACCESSIBLE RAMP, MAX SLOPE 1v:12h, MAX RISE 6" MIN LENGTH 6'-0", W/ NON-SLIP SURFACE.
9a. ACCESSIBLE LANDING, MAX SLOPE 1v:48h, MIN LENGTH 6'-0", W/ NON-SLIP SURFACE.
10. 4" THICK, 5'-0"w (UON) CONC WALK, MAX SLOPE 1v:20h.
11. COMPACT PARKING STALL W/ PAINTED "COMPACT" DESIGNATION.
12. PROVIDE SIGN W/ THE INTERNATIONAL SYMBOL OF ACCESS, ATTACH TO GLASS ADJACENT TO DOOR.
13. APPROXIMATE ELECTRICAL TRANSFORMER LOCATION
14. APPROXIMATE GAS METER LOCATION
15. ACCESSIBLE PATH OF TRAVEL TO THE PUBLIC WAY
16. EXTERIOR AREA FOR ASSISTED RESCUE (IBC 1009.7)
17. CONCRETE WHEEL STOP
18. BICYCLE RACK (FOR 2 OR MORE BICYCLES)
19. EV CHARGING STATIONS PER WAC 51-50-0429



SITE PLAN

SCALE: 1" = 30'-0"

NORTH

SYNTHESIS PLLC
THE FUSION OF ARCHITECTURE, DESIGN TECHNOLOGY & PEOPLE

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VECTOR Development Company

11411 NE 124th Street
Suite 190
Kirkland, WA 98034

REVISIONS

ISSUE NO.	DATE	ITEM
2	01 31 24	PERMIT SUBMITTAL
1	10 14 22	SEPA RESUBMITTAL
D	11 01 21	DESIGN REVIEW APPLICATION
C	09 15 21	PRELIMINARY BID
B	03 19 21	SEPA APPLICATION
A	01 05 21	PRE-APPLICATION

PROFESSIONAL STAMP

REGISTERED ARCHITECT 7154 RANDALL LEE BROWN STATE OF WASHINGTON

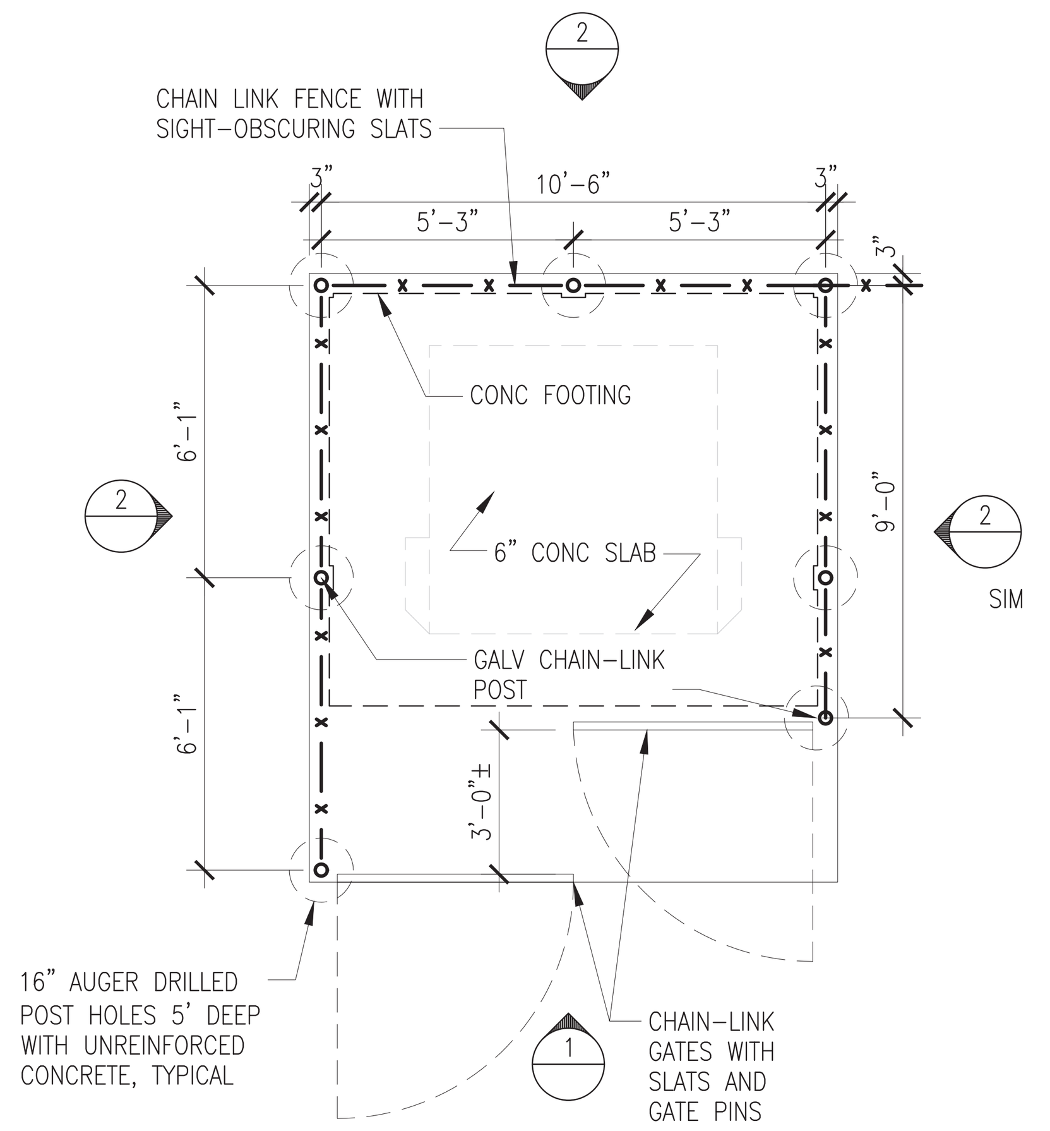
Digitally signed by Randy Brown
Date: 2024.02.01 09:13:10 -08'00'

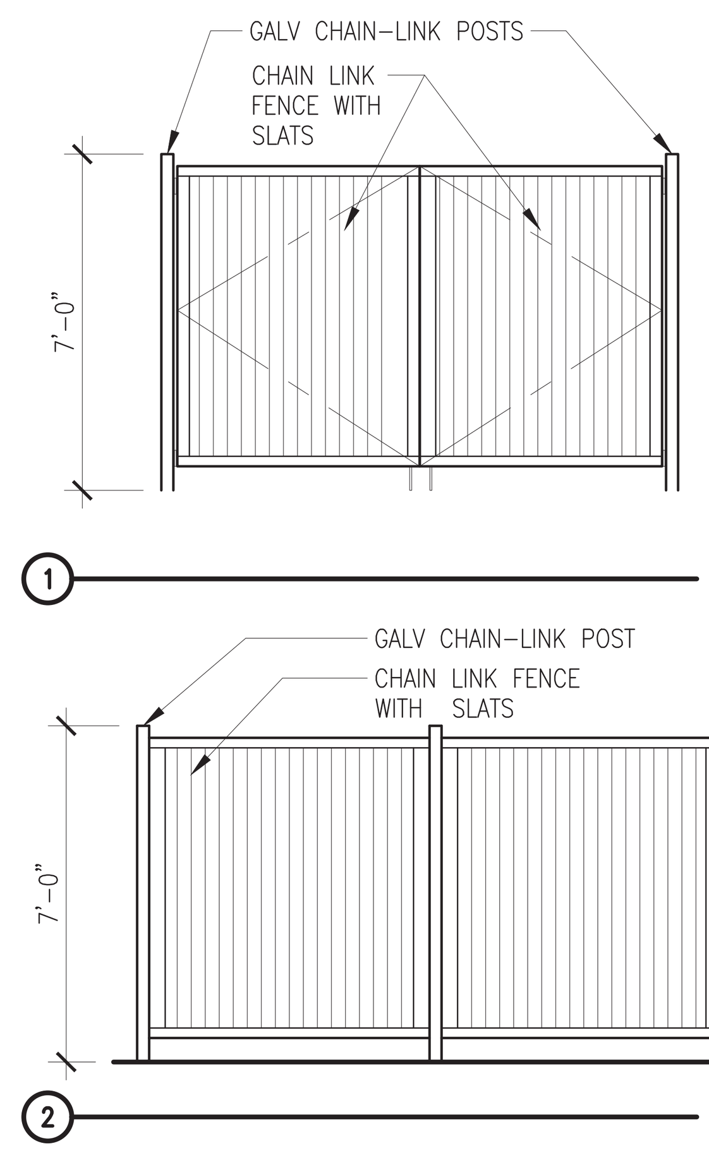
PROJECT INFORMATION

BUILDING A
Freeman Road Logistics
Puyallup, WA

SHEET INFORMATION

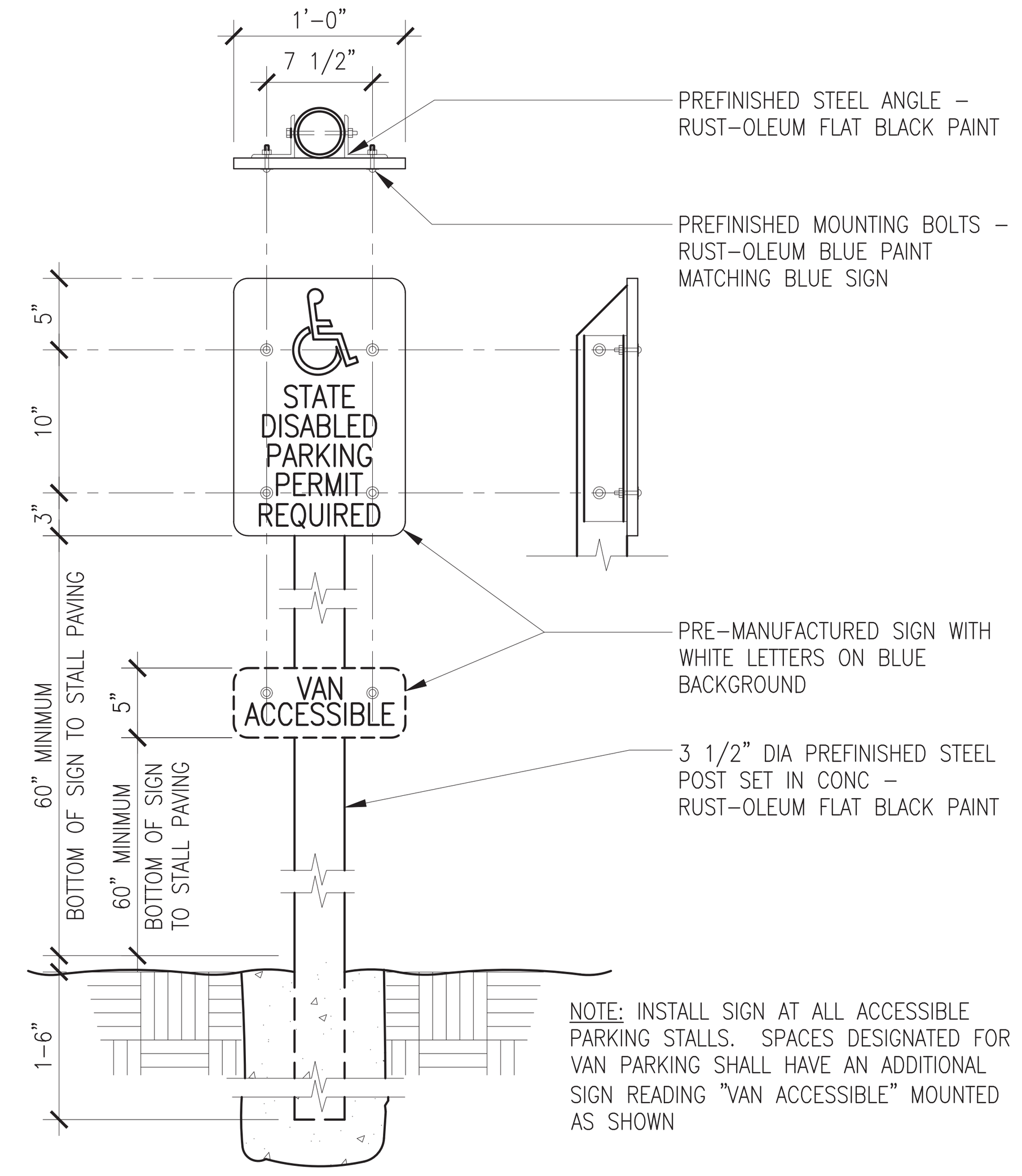
RELEASE FOR: PERMIT SUBMITTAL
TITLE: SITE PLAN
DESIGNED BY:
DRAWN BY:
REVIEWED BY:
APPROVED BY:
DATE: 01 05 21
SHEET NO: A1.1A
PROJECT NO: 201401.13.031





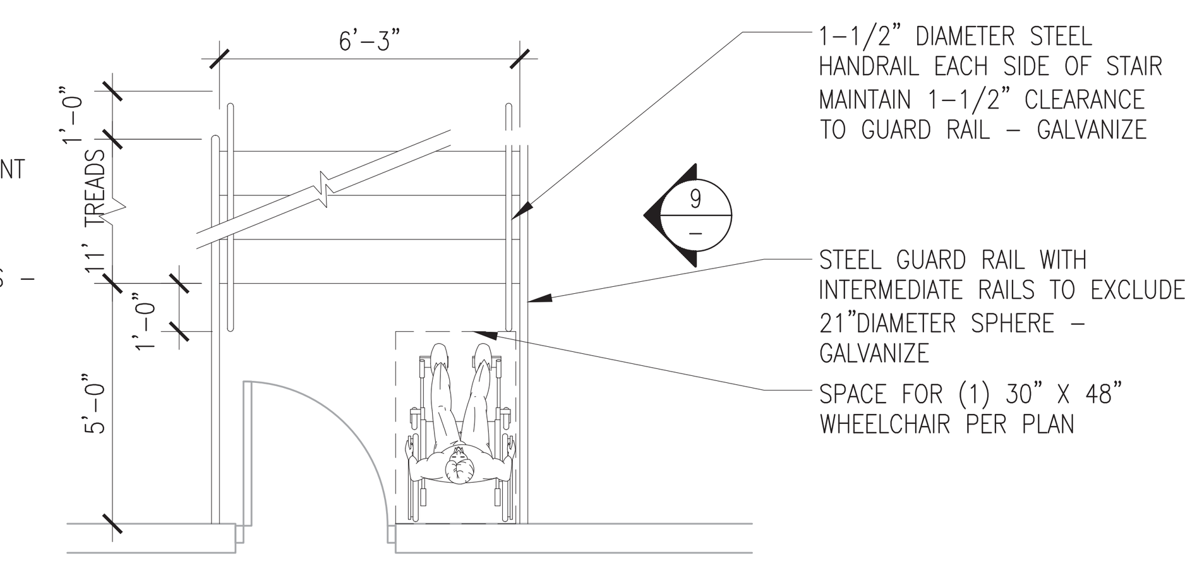
6 TRASH ENCLOSURE

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



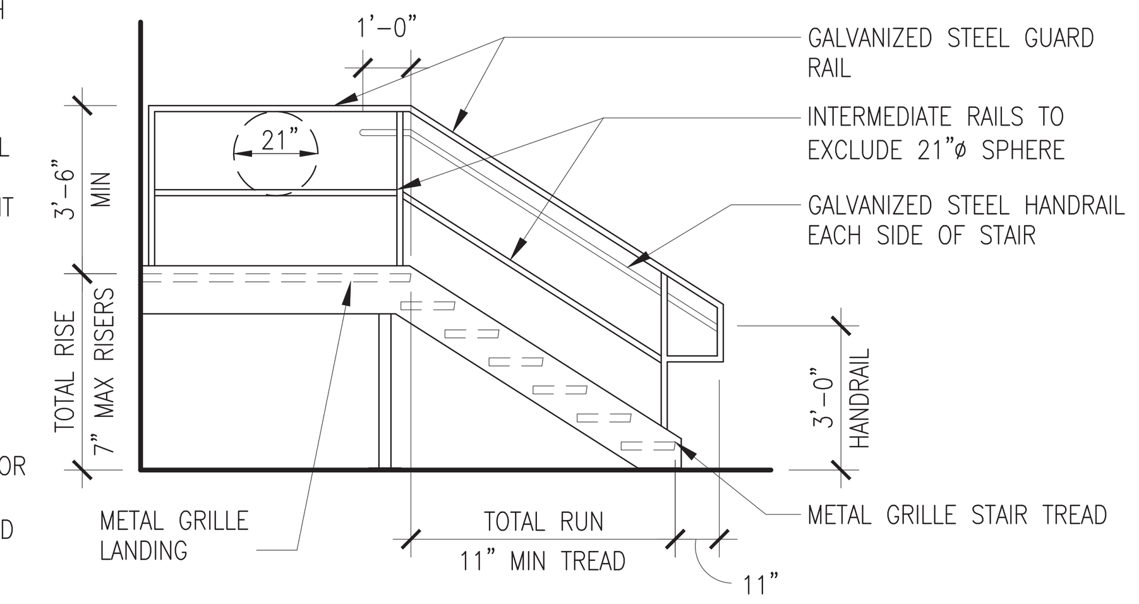
8 ACCESSIBLE PARKING SIGN

SCALE: 1" = 1'-0" ICC A117.1-2009 502.7



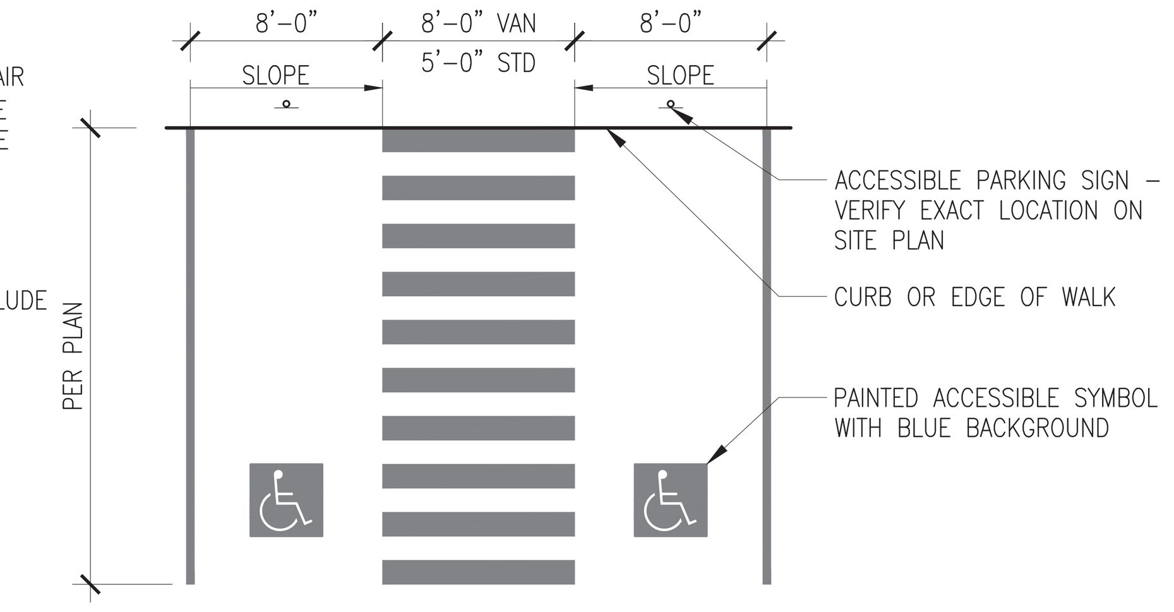
4 DOCK: STAIR PLAN – TYPICAL

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



9 TYPICAL STEEL STAIR

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



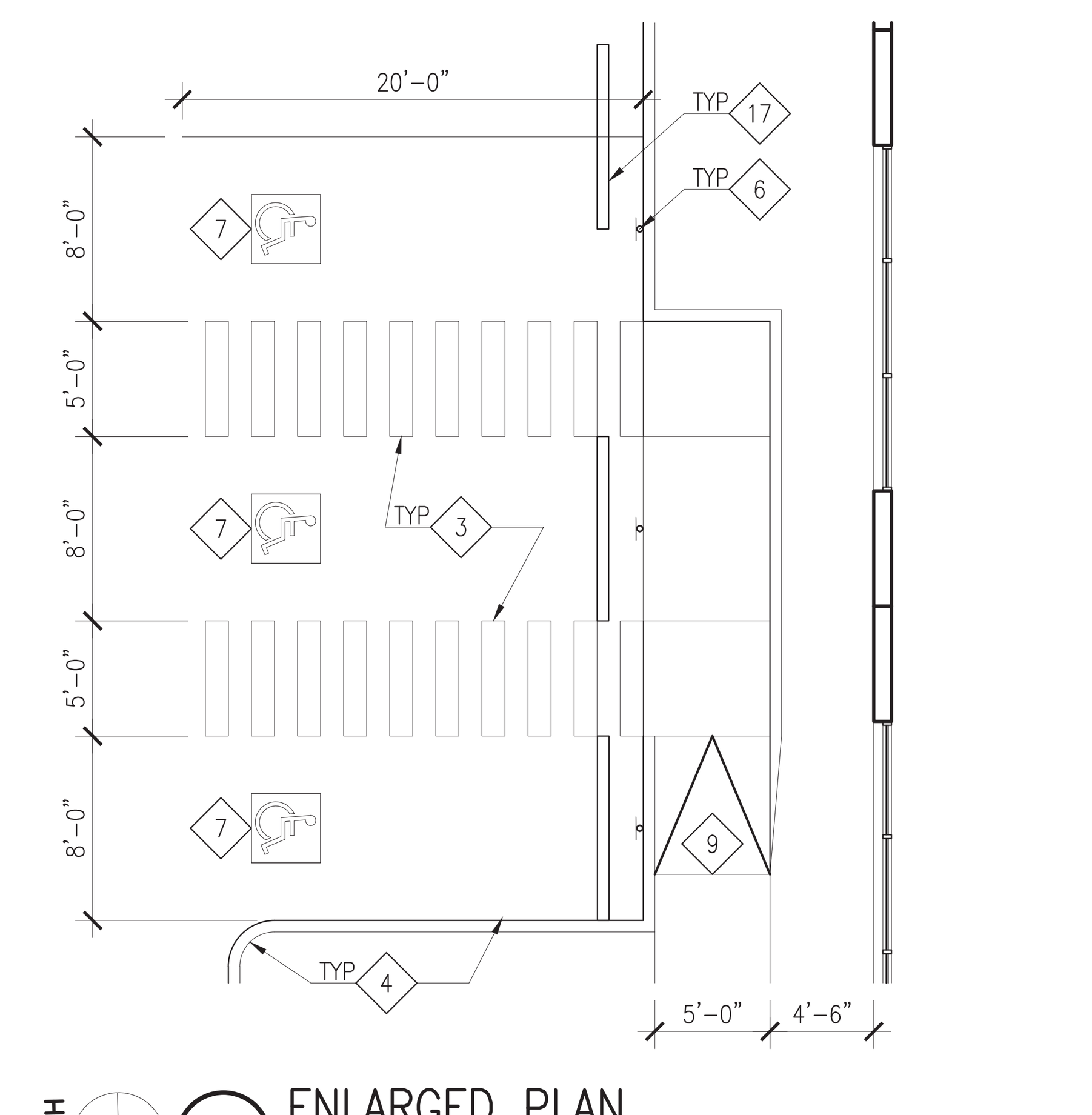
5 ACCESSIBLE PARKING STALLS

SCALE: 1/8" = 1'-0" ICC A117.1-2009 – 502.2

SITE KEYNOTES

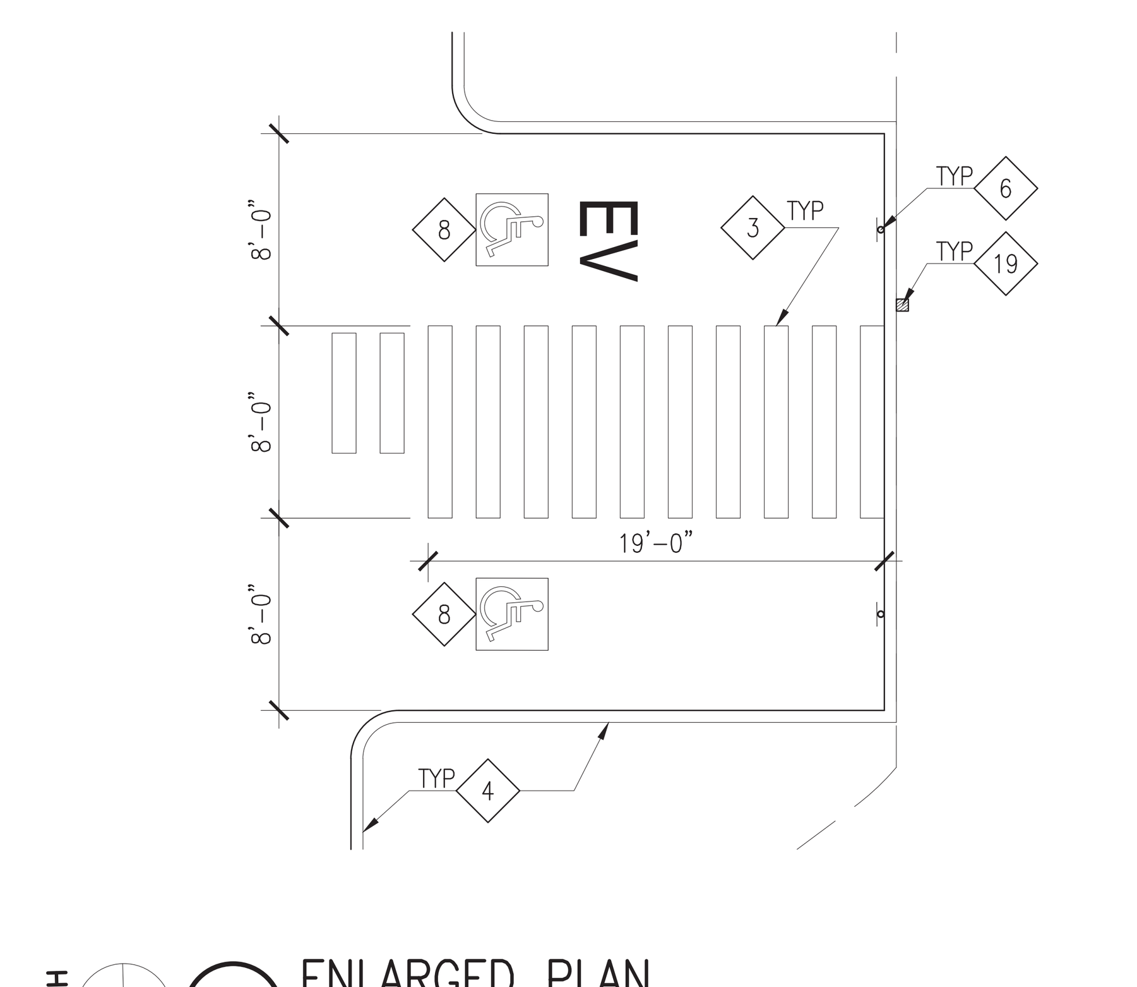
NOTE: NOT ALL KEYNOTES ARE USED

1. AC PVMT RAMP, 1:12 MAX SLOPE, SEE CIVIL DWGS.
2. CONC LANDING, 5'-0"W x 5'-0"L MIN.
3. PAINT STRIPING ON FLOOR OR PAVEMENT.
4. EXTRUDED CONC CURB – 6" TYP W/ 24" RAD. OUTSIDE CORNERS TYP UON. USE THICK-FACE CURB AT SIDEWALKS.
5. 7'-0" HIGH CONC. ENCL. W/ CHAIN LINK GATES & SIGHT OBSCURING SLATS. SEE STRUCTURAL FOR WALL CONST.
6. ACCESSIBLE PARKING SIGN, SEE DET 8/A1.2.
7. ACCESSIBLE PARKING STALL W/ PAINTED INTERNATIONAL SYMBOL OF ACCESS. MAX SLOPE 1v:48h.
8. VAN ACCESSIBLE PARKING STALL W/ PAINTED INTERNATIONAL SYMBOL OF ACCESS. MAX SLOPE 1v:48h.
9. ACCESSIBLE RAMP, MAX SLOPE 1v:12h, MAX RISE 6" MIN LENGTH 6'-0", W/ NON-SLIP SURFACE.
10. 4" THICK, 5'-0"w (UON) CONC WALK, MAX SLOPE 1v:20h.
11. COMPACT PARKING STALL W/ PAINTED "COMPACT" DESIGNATION.
12. PROVIDE SIGN W/ THE INTERNATIONAL SYMBOL OF ACCESS, ATTACH TO GLASS ADJACENT TO DOOR.
13. APPROXIMATE ELECTRICAL TRANSFORMER LOCATION
14. APPROXIMATE GAS METER LOCATION
15. ACCESSIBLE PATH OF TRAVEL TO THE PUBLIC WAY
16. EXTERIOR AREA FOR ASSISTED RESCUE (IBC 1009.7)
17. CONCRETE WHEEL STOP
18. BICYCLE RACK (FOR 2 OR MORE BICYCLES)
19. EV CHARGING STATIONS PER WAC 51-50-0429



1 ENLARGED PLAN

SCALE: 1/8" = 1'-0"



2 ENLARGED PLAN

SCALE: 1/8" = 1'-0"

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RANDALL LEE BROWN
STATE OF WASHINGTON

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Date: 2024.02.01 09:13:24 -08'00'

PROJECT INFORMATION

BUILDING A
Freeman Road Logistics
Puyallup, WA

SHEET INFORMATION

RELEASE FOR: PERMIT SUBMITTAL
TITLE: ENLARGED SITE PLANS & DETAILS
DESIGNED BY:
DRAWN BY:
REVIEWED BY:
APPROVED BY:
DATE: 01 05 21
SHEET NO: A1.2
PROJECT NO: 201401.13.031

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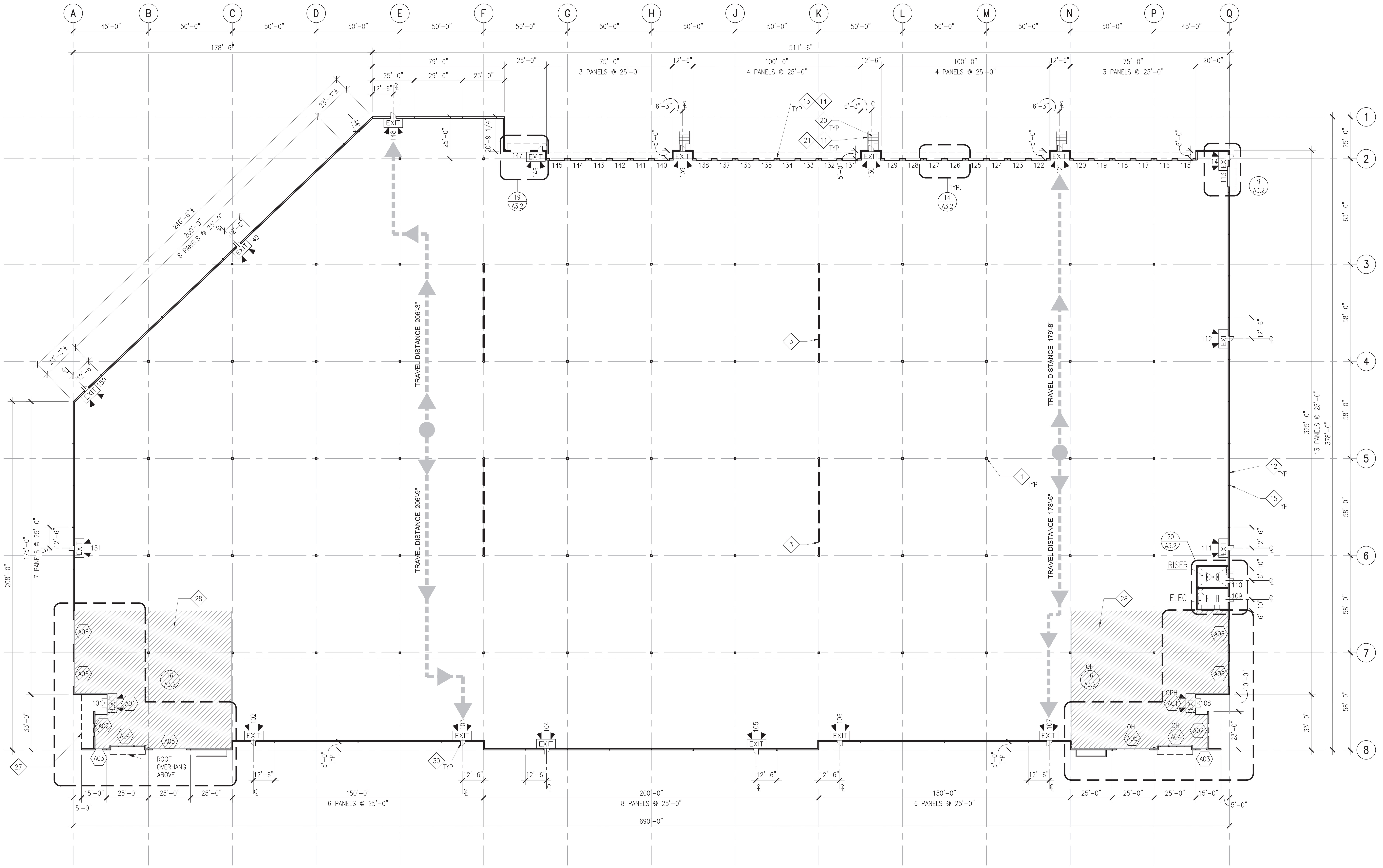
PLAN KEYNOTES

NOTE: NOT ALL KEYNOTES ARE USED

1. STEEL COLUMNS TYP, SEE STRUCTURAL DWGS.
2. ELECTRICAL DISTRIBUTION PANELS, SHOWN FOR COORDINATION.
3. CONCRETE SHEAR WALL OR BRACE FRAME, SEE STRUCTURAL DWGS.
4. FIRE PROTECTION SPRINKLER RISERS & DETECTOR DOUBLE CHECK VALVE ASSEMBLY, SHOWN FOR COORD.
5. GAS METER, SHOWN FOR COORDINATION, SEE CIVIL DRAWINGS FOR CONTINUATION.
6. SANITARY SEWER, SHOWN FOR COORDINATION, SEE CIVIL DRAWINGS FOR CONTINUATION.
7. STUB UP PLUMBING FOR FUTURE TOILET ROOM (TOILET ROOM N.I.C.)
8. 4' X 8' (UON) TRIPLE DOME SKYLIGHT, SEE DET 8/A8.1.
9. 4'x 8'x 3/4" PLYWOOD TELEPHONE BOARD.
10. LED HIGH BAY LIGHT FIXTURE
11. 1 1/2"ø NOM. GALV STL PIPE HANDRAIL. TOP @ 34" ABOVE STAIR NOSING OR RAMP TYP EA SIDE .
12. SITE-CAST CONC PANELS, PNT, SEE STRUCTURAL DWGS.
13. 6"ø RD & 6"ø SCHD 40 ABS PLASTIC RWL, ROUTE TO EXTERIOR, SEE CIVIL DWGS FOR CONTINUATION.
14. STL ANGLE RWL PROTECTOR, TYP @ TRUCK COURT, SEE DETAIL 5/A8.1
15. 6"ø PVC EXT. RWL W/ OVERFLOW SCUPPER, PNT, SEE DET 2/A8.1 & 3/A8.1. SEE CIVIL DWGS FOR CONT.
16. DOMESTIC WATER PRV & BACKFLOW PREVENTER, SHOWN FOR COORD. SEE CIVIL DWGS FOR CONTINUATION.
17. PAINT STRIPING ON FLOOR OR PAVEMENT.
18. STL ROOF ACCESS LADDER W/ CAGE. LOCATION TO BE COORDINATED W/ STRUCTURAL FRAMING LOCATIONS.
19. 48"x48" ROOF ACCESS HATCH (9/A8.1) + HATCH RAILING SYSTEM IF WITHIN 10' OF ROOF EDGE.
20. PREFABICATED GALV STEEL PAN STAIRS & LANDINGS W/ CONC FILL, 7" MAX RISER, 11" MIN TREAD.
21. 1 1/2"ø NOM. GALV STEEL PIPE GUARD, TOP @ 42" ABOVE LANDING, STAIR NOSING OR RAMP, PAINT, TYP.
22. CONC SLAB ON VAPOR BARRIER ON 4" GRAVEL CAPILLARY BREAK IN OFFICE NODES (SHOWN SHADED).
23. PROVIDE SIGN W/ INTERNATIONAL SYMBOL OF ACCESS, ATTACH TO GLASS ADJACENT TO DOOR
24. HVAC EQUIPMENT AND PVC WALKWAY PADS BY TENANT
25. 30"x48" WHEELCHAIR SPACE.
26. RECESSED DOCK LEVELER
27. ENTRY CANOPY – SEE STRUCTURAL
28. PROVIDE 10 MIL VAPOR BARRIER UNDER OFFICE AREAS
29. SPRINKLER RISER DOOR: LABEL PER IBC 902.1.2. KEY BOX IF REQ BY MARSHAL PER IFC 901.4.6.1
30. FIRE DEPARTMENT ACCESS DOOR: LABEL PER IFC 3206.7.4. LOCATE KEY BOX PER MARSHAL (IFC 3206.7.8)

LIGHT FIXTURE LEGEND

- 1X4 SURFACE-MOUNTED LED W/ WRAP-AROUND ACRYLIC LENS (CIRCLE INDICATES CEILING MOUNTED)
- EXIT — WALL OR CEILING MOUNT ILLUMINATED EXIT SIGN, W/ DIRECTION ARROW AS INDICATED, EMERGENCY POWER PACK, WHITE HOUSING W/ GREEN LETTERS
- PROVIDE SELF-CONTAINED EGRESS ILLUMINATION FIXTURE WITH BATTERY BACKUP (MAY BE COMBINED WITH EXIT SIGN)



FLOOR PLAN
SCALE: 1" = 30'-0"

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PROFESSIONAL STAMP

7154 REGISTERED ARCHITECT
RANDALL LEE BROWN
STATE OF WASHINGTON

Digitally signed by Randy Brown
Date: 2024.02.01 09:13:39 -08'00'

PROJECT INFORMATION

BUILDING A
Freeman Road Logistics
Puyallup, WA

SHEET INFORMATION

RELEASE FOR: PERMIT SUBMITTAL
TITLE: FLOOR PLAN
DESIGNED BY:
DRAWN BY:
REVIEWED BY:
APPROVED BY:
DATE: 01 05 21
SHEET NO: A2.1
PROJECT NO: 201401.13.031

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PLAN KEYNOTES

NOTE: NOT ALL KEYNOTES ARE USED

1. STEEL COLUMNS TYP, SEE STRUCTURAL DWGS.
2. ELECTRICAL DISTRIBUTION PANELS, SHOWN FOR COORDINATION.
3. CONCRETE SHEAR WALL OR BRACE FRAME, SEE STRUCTURAL DWGS.
4. FIRE PROTECTION SPRINKLER RISERS & DETECTOR DOUBLE CHECK VALVE ASSEMBLY, SHOWN FOR COORD.
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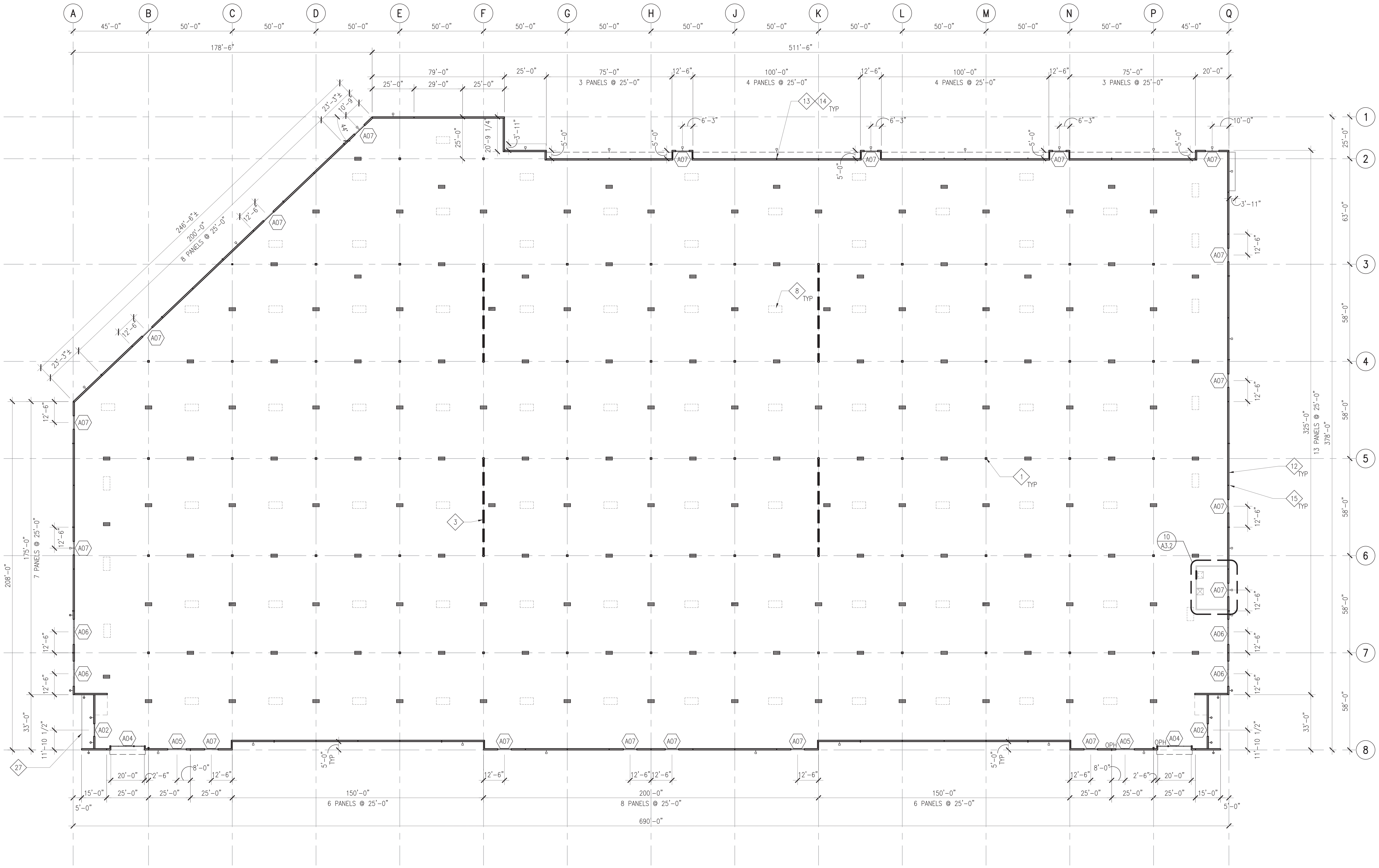
- EXIT — WALL OR CEILING MOUNT ILLUMINATED EXIT SIGN, W/ DIRECTION ARROW AS INDICATED, EMERGENCY POWER PACK, WHITE HOUSING W/ GREEN LETTERS
- PROVIDE SELF-CONTAINED EGRESS ILLUMINATION FIXTURE WITH BATTERY BACKUP (MAY BE COMBINED WITH EXIT SIGN)
- HIBAY 2'x4', LED



CLERESTORY PLAN

SCALE: 1" = 30'-0"

NORTH

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PROFESSIONAL STAMP

7154 REGISTERED ARCHITECT

RANDALL LEE BROWN
STATE OF WASHINGTON

Digitally signed by Randy Brown
Date: 2024.02.01 09:13:52 -08'00'

PROJECT INFORMATION

BUILDING A

Freeman Road Logistics
Puyallup, WA

SHEET INFORMATION

RELEASE FOR: PERMIT SUBMITTAL

TITLE: CLERESTORY PLAN

DESIGNED BY:
DRAWN BY:
REVIEWED BY:
APPROVED BY:

DATE: 01 05 21

SHEET NO: A2.2

PROJECT NO: 201401.13.031

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PLAN KEYNOTES

NOTE: NOT ALL KEYNOTES ARE USED

1. STEEL COLUMNS TYP, SEE STRUCTURAL DWGS.
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SOLAR READINESS

PER 2018 WSEC C411

1. MAINTAIN 40% OF ROOF AREA AS A "SOLAR ZONE" FREE OF PIPES, VENTS, DUCTS, HVAC, SKYLIGHTS & OTHER OBSTRUCTIONS, & SET BACK FROM ANY NEIGHBORING TALLER OBJECTS.
2. STRUCTURAL DESIGN TO ALLOW FOR ANY ADDITIONAL 4#/SF FOR FUTURE PHOTOVOLTAIC SYSTEM ARRAYS IN SOLAR ZONE. A NEIGHBORING AREA FOR FUTURE INVERTERS TO ALLOW FOR 175#/SF OVER A MIN. AREA OF 2 SF PER 1,000 SF OF SOLAR ZONE AREA.
3. FUTURE INTERCONNECTION TO BE PROVIDED FOR AT THE MAIN SERVICE PANEL PER C411.8

SKYLIGHT AREA CALCULATIONS

PER 2018 WSEC C402.4.2, OPTION 2

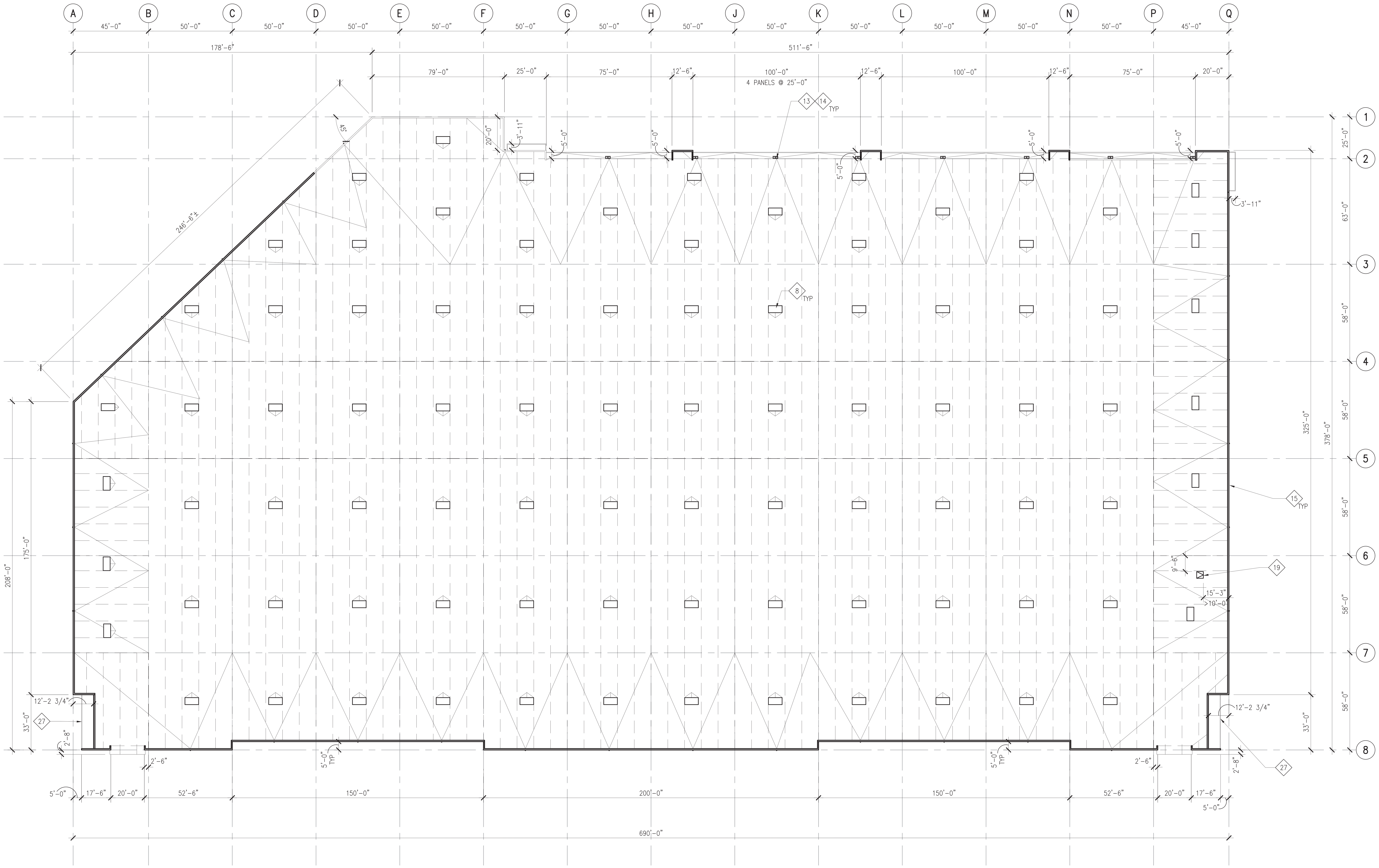
NET BUILDING AREA		234,901 SF
PROJECTED OFFICE TENANT IMPROVEMENT(S)	-	6,000 SF
UTILITY ROOMS	-	493 SF
		228,408 SF
TOPLIGHT DAYLIGHT ZONE = NOT LESS THAN HALF AREA W/ CEILINGS OVER 15'	=	114,204 SF
SKYLIGHT VT	=	0.54
SKYLIGHT WELL DEPTH < 2', SO WF	=	0.9
(1) SKYLIGHT = 4' x 8'	=	32 SF

SKYLIGHT EFFECTIVE AREA:

= 0.85 (Skylight Area) (Skylight VT) (WF) / (Daylight zone under skylight) > 1%

= 0.85 ((4'x8')87) (0.54) (0.9) / (114,204 SF) = .01007> 1%

(87) SKYLIGHTS REQUIRED



ROOF PLAN

SCALE: 1" = 30'-0"

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STATE OF WASHINGTON

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PROJECT INFORMATION

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Freeman Road Logistics
Puyallup, WA

SHEET INFORMATION

RELEASE FOR: PERMIT SUBMITTAL
TITLE: ROOF PLAN

DESIGNED BY:
DRAWN BY:
REVIEWED BY:
APPROVED BY:
DATE: 01 05 21
SHEET NO: A2.3
PROJECT NO: 201401.13.031

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HARDWARE NOTES

1. FLUSH BOLTS: WHERE EGRESS DOORS ARE USED IN PAIRS, APPROVED AUTOMATIC FLUSH BOLTS SHALL BE PERMITTED ON THE INACTIVE LEAF, PROVIDED THAT THE DOOR LEAF HAVING THE AUTOMATIC FLUSH BOLTS HAS NO DOORKNOB OR SURFACE-MOUNTED HARDWARE. (IBC SECTION 1010.1.9.4.3) MANUALLY OPERATED FLUSH BOLTS OR SURFACE BOLTS ARE PERMITTED TO THE EXTERIOR ON THE INACTIVE LEAF WITH NO SURFACE-MOUNTED HARDWARE (IF WAREHOUSE OCCUPANT LOAD IS 50 OR GREATER) (IBC 1010.1.9.5 & EXCEPTIONS).
2. THE UNLATCHING OF ANY DOOR OR LEAF SHALL NOT REQUIRE MORE THAN ONE OPERATION. (IBC SECTION 1010.1.9.6) DOOR TYPES F, NL, HG & FG TO BE OPENABLE FROM THE INSIDE BY TURN OF A LEVER HANDLE. ALL EXIT DOORS SHALL BE OPENABLE FROM THE INSIDE WITHOUT THE USE OF A KEY OR ANY SPECIAL KNOWLEDGE OR EFFORT.
3. DOOR HARDWARE TO BE INSTALLED BETWEEN 34" MINIMUM AND 48" MAXIMUM AFF (IBC 1010.1.9.2).
4. A DEAD BOLT OR KEY-OPERATED LOCKING DEVICE MAY BE PROVIDED AT THE MAIN ENTRIES IF A SIGN IS APPLIED TO THE EGRESS SIDE OF THE DOOR PER IBC SECTION 1010.1.9.4 (2.2) STATING, "THIS DOOR TO REMAIN UNLOCKED WHEN BUILDING IS OCCUPIED" LETTERS 1" HIGH ON A CONTRASTING BACKGROUND. THE LOCKING DEVICE SHOULD BE READILY DISTINGUISHABLE AS LOCKED. THE LOCKING DEVICE IS REVOCABLE BY THE FIRE MARSHAL FOR DUE CAUSE.
5. ALL DOOR CLOSERS TO BE RESTRAINED, ALLOWING DOORS TO OPEN TO 90° MAX.

DOOR NOTES

IBC 2018

1. DOOR TYPE INDICATIONS AS NOTATED BY THE STEEL DOOR INSTITUTE WHERE APPLICABLE. "RL" DENOTES RELIGHT
2. NOTATION OF PAIRS OF DOORS: F DENOTES SINGLE DOOR FF DENOTES PAIR OF DOORS
3. DETAILS ARE FOUND ON SHEET A8.1.
4. PROVIDE ILLUMINATED EXIT SIGNS WITH BATTERY-POWERED EGRESS LIGHTING AT DOORS INDICATED BY EXIT-SIGN SYMBOL ON THE DRAWING – AN "EXIT" GRAPHIC. THE EGRESS LIGHTING ASSEMBLY SHALL PROVIDE ILLUMINATION OF A MINIMUM OF ONE FOOT CANDLE AT FLOOR LEVEL.
5. ALL WOOD ("WD") DOORS TO BE SOLID CORE STAIN GRADE BOOK-MATCH MAPLE VENEER WITH CLEAR STAIN ("STN"). ALL HOLLOW METAL ("HM") DOORS TO BE PAINTED.
6. ALL METAL ("MTL") DOOR FRAMES TO BE 18-GAUGE BLACK KNOCKED-DOWN FRAMES. ALL HOLLOW METAL ("HM") DOOR FRAMES TO BE 16-GAUGE DOUBLE-RABBET PAINTED COLD-ROLLED STEEL.

HARDWARE GROUPS

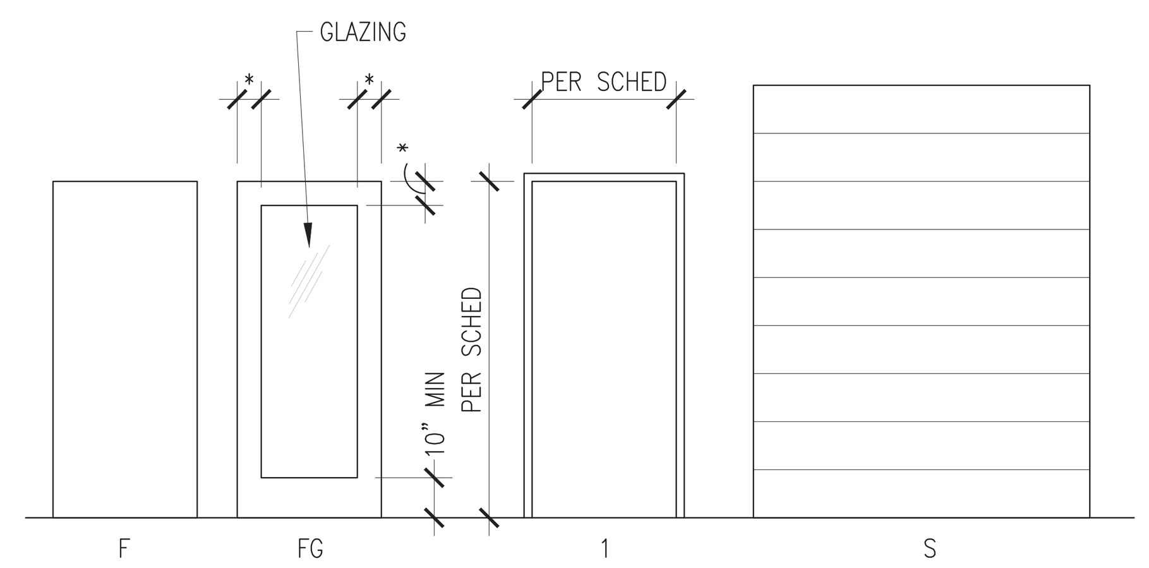
CLOSERS PER OPENING SCHEDULE, AS CALLED FOR IN "CLSR" COLUMN

HW-1 Exterior
1 1/2 PR HINGES
1 CONTINUOUS SEAL
1 STOREROOM LOCKSET
1 THRESHOLD
1 DOOR SWEEP
1 LATCH PROTECTOR
1 RAIN GUARD

HW-4 Storefront Entry
3 PR HINGES
1 THRESHOLD
2 DOOR SWEEPS
1 CONTINUOUS SEAL
1 LOCKSET
1 APPROVED AUTO FLUSH BOLT (1)
1 OVERHEAD DOOR STOP

EXTERIOR GLAZING SCHEDULE

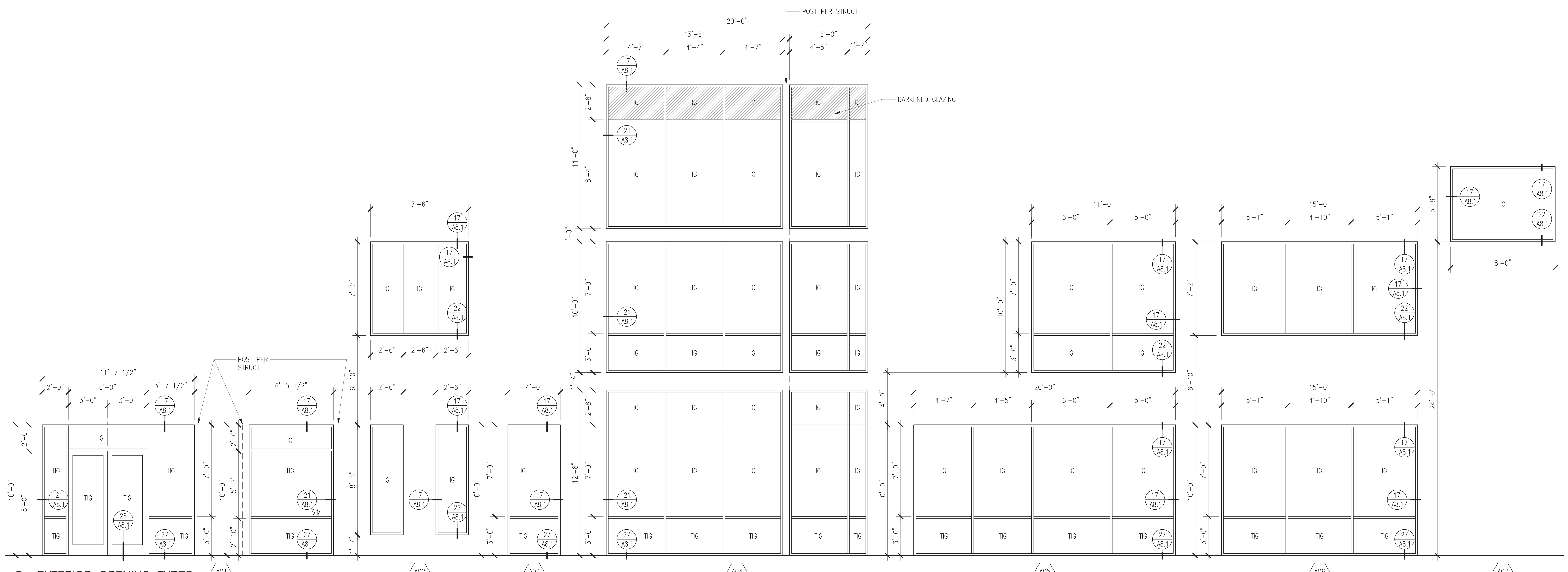
TYPE	DESCRIPTION	SIZE (WxH)	VGA	QUANT.	UNITS	TOTAL VGA	U-FACTOR	VGA x U	SHGC	REMARKS
VERTICAL OPENINGS										
A01	STOREFRONT ENTRANCE	6'-0" x 8'-0"	48.0 SF	1	2	96.0 SF	0.60	57.60	0.38	ENTRANCE DOORS ONLY
A01	STOREFRONT FIXED	SEE OPENING TYPES	68.3 SF	1	2	136.6 SF	0.35	47.81	0.38	GLAZING SURROUNDING ENTRANCE
A01	STOREFRONT FIXED	6'-5 1/2" x 10'-0"	64.6 SF	1	2	129.2 SF	0.35	45.22	0.38	GLAZING SIDE ENTRANCE
A02	FIXED WINDOW UNIT	2'-6" x 8'-5"	21.0 SF	2	2	84.0 SF	0.35	29.40	0.38	LOWER UNIT
A02	FIXED WINDOW UNIT	7'-6" x 7'-2"	53.8 SF	1	2	107.6 SF	0.35	37.66	0.38	UPPER UNIT
A03	FIXED WINDOW UNIT	4'-0" x 10'-0"	40.0 SF	1	2	80.0 SF	0.35	28.00	0.38	
A04	FIXED WINDOW UNIT	13'-6" x 12'-8"	171.0 SF	1	2	342.0 SF	0.35	119.70	0.38	LOWER UNIT
A04	FIXED WINDOW UNIT	6'-0" x 12'-8"	76.0 SF	1	2	152.0 SF	0.35	53.20	0.38	LOWER UNIT
A04	FIXED WINDOW UNIT	13'-6" x 10'-0"	135.0 SF	1	2	270.0 SF	0.35	94.50	0.38	MIDDLE UNIT
A04	FIXED WINDOW UNIT	6'-0" x 10'-0"	60.0 SF	1	2	120.0 SF	0.35	42.00	0.38	MIDDLE UNIT
A04	FIXED WINDOW UNIT	13'-6" x 11'-0"	148.5 SF	1	2	297.0 SF	0.35	103.95	0.38	UPPER UNIT
A04	FIXED WINDOW UNIT	6'-0" x 11'-0"	66.0 SF	1	2	132.0 SF	0.35	46.20	0.38	UPPER UNIT
A05	FIXED WINDOW UNIT	20'-0" x 10'-0"	200.0 SF	1	2	400.0 SF	0.35	140.00	0.38	LOWER UNIT
A05	FIXED WINDOW UNIT	11'-0" x 10'-0"	110.0 SF	1	2	220.0 SF	0.35	77.00	0.38	UPPER UNIT
A06	FIXED WINDOW UNIT	15'-0" x 10'-0"	150.0 SF	1	4	600.0 SF	0.35	210.00	0.38	LOWER UNIT
A06	FIXED WINDOW UNIT	15'-0" x 7'-2"	107.5 SF	1	4	430.0 SF	0.35	150.50	0.38	UPPER UNIT
A07	FIXED WINDOW UNIT	8'-0" x 5'-9"	46.0 SF	1	19	874.0 SF	0.35	305.90	0.38	
TOTALS:						4470.4 SF		1588.60		
Area-Weighted Average Vertical Glazing U Factor – (Total VGA x U) / (Total VGA) =								0.36		
HORIZONTAL OPENINGS										
TYPE	DESCRIPTION	SIZE (WxH)	HGA	QUANT.	UNITS	TOTAL HGA	U-FACTOR	HGA x U	SHGC	REMARKS
	SKYLIGHTS	4'-0" x 8'-0"	32.0 SF	1	85	2720.0 SF	0.35	952.00	0.35	SEE WSEC UA FORM
TOTALS:						2720.0 SF		952.00		
Area-Weighted Average Horizontal Glazing U Factor – (Total HGA x U) / (Total HGA) =								0.35		



8 DOOR AND FRAME TYPES
SCALE: NTS
* = DIMENSION PER SPECIFIED DOOR STYLE

OPENING SCHEDULE

DOORS / OPENINGS										FRAMES			DETAILS			
NO	TYPE	OPENING SIZE	THK	MATL	GL TYPE	RTG	HDW	CLSR	FIN	TYPE	MATL	FIN	HEAD	JAMB	SILL	REMARKS
101	FG/FG	6'-0" x 8'-0"	--	AL	TIG	--	4	Y	FCTY	--	AL	FCTY	--	--	26/A8.1	STORE FRONT DOOR
102	F	3'-0" x 7'-0"	1 3/4"	HM	--	--	1	Y	PNT	1	HM	PNT	19/A8.1	19/A8.1	24/A8.1	DOOR AND FRAME
103	F	3'-0" x 7'-0"	1 3/4"	HM	--	--	1	Y	PNT	1	HM	PNT	19/A8.1	19/A8.1	24/A8.1	DOOR AND FRAME
104	F	3'-0" x 7'-0"	1 3/4"	HM	--	--	1	Y	PNT	1	HM	PNT	19/A8.1	19/A8.1	24/A8.1	DOOR AND FRAME
105	F	3'-0" x 7'-0"	1 3/4"	HM	--	--	1	Y	PNT	1	HM	PNT	19/A8.1	19/A8.1	24/A8.1	DOOR AND FRAME
106	F	3'-0" x 7'-0"	1 3/4"	HM	--	--	1	Y	PNT	1	HM	PNT	19/A8.1	19/A8.1	24/A8.1	DOOR AND FRAME
107	F	3'-0" x 7'-0"	1 3/4"	HM	--	--	1	Y	PNT	1	HM	PNT	19/A8.1	19/A8.1	24/A8.1	DOOR AND FRAME
108	FG/FG	6'-0" x 8'-0"	--	AL	TIG	--	4	Y	FCTY	--	AL	FCTY	--	--	26/A8.1	STORE FRONT DOOR
109	F	3'-0" x 7'-0"	1 3/4"	HM	--	1 HR	1	Y	PNT	1	HM	PNT	20/A8.1	20/A8.1	24/A8.1	PANIC HARDWARE
110	F	3'-0" x 7'-0"	1 3/4"	HM	--	1 HR	1	Y	PNT	1	HM	PNT	20/A8.1	20/A8.1	24/A8.1	PANIC HARDWARE
111	F	3'-0" x 7'-0"	1 3/4"	HM	--	--	1	Y	PNT	1	HM	PNT	19/A8.1	19/A8.1	24/A8.1	DOOR AND FRAME
112	F	3'-0" x 7'-0"	1 3/4"	HM	--	--	1	Y	PNT	1	HM	PNT	19/A8.1	19/A8.1	24/A8.1	DOOR AND FRAME
113	S	12'-0" x 14'-0"	--	AL	TIG	--	--	--	FCTY	--	--	--	18/A8.1	23/A8.1	--	METAL SECTIONAL INSULATED DOOR
114	F	3'-0" x 8'-0"	1 3/4"	HM	--	--	1	Y	PNT	1	HM	PNT	19/A8.1	19/A8.1	24/A8.1	DOOR AND FRAME
115	S	9'-0" x 10'-0"	--	AL	TIG	--	--	--	FCTY	--	--	--	18/A8.1	23/A8.1	28/A8.1	METAL SECTIONAL INSULATED DOOR
116	S	9'-0" x 10'-0"	--	AL	TIG	--	--	--	FCTY	--	--	--	18/A8.1	23/A8.1	28/A8.1	METAL SECTIONAL INSULATED DOOR
117	S	9'-0" x 10'-0"	--	AL	TIG	--	--	--	FCTY	--	--	--	18/A8.1	23/A8.1	28/A8.1	METAL SECTIONAL INSULATED DOOR
118	S	9'-0" x 10'-0"	--	AL	TIG	--	--	--	FCTY	--	--	--	18/A8.1	23/A8.1	28/A8.1	METAL SECTIONAL INSULATED DOOR
119	S	9'-0" x 10'-0"	--	AL	TIG	--	--	--	FCTY	--	--	--	18/A8.1	23/A8.1	28/A8.1	METAL SECTIONAL INSULATED DOOR
120	S	9'-0" x 10'-0"	--	AL	TIG	--	--	--	FCTY	--	--	--	18/A8.1	23/A8.1	28/A8.1	METAL SECTIONAL INSULATED DOOR
121	F	3'-0" x 7'-0"	1 3/4"	HM	--	--	1	Y	PNT	1	HM	PNT	19/A8.1	19/A8.1	24/A8.1	DOOR AND FRAME
122	S	9'-0" x 10'-0"	--	AL	TIG	--	--	--	FCTY	--	--	--	18/A8.1	23/A8.1	28/A8.1	METAL SECTIONAL INSULATED DOOR
123	S	9'-0" x 10'-0"	--	AL	TIG	--	--	--	FCTY	--	--	--	18/A8.1	23/A8.1	28/A8.1	METAL SECTIONAL INSULATED DOOR
124	S	9'-0" x 10'-0"	--	AL	TIG	--	--	--	FCTY	--	--	--	18/A8.1	23/A8.1	28/A8.1	METAL SECTIONAL INSULATED DOOR
125	S	9'-0" x 10'-0"	--	AL	TIG	--	--	--	FCTY	--	--	--	18/A8.1	23/A8.1	28/A8.1	METAL SECTIONAL INSULATED DOOR
126	S	9'-0" x 10'-0"	--	AL	TIG	--	--	--	FCTY	--	--	--	18/A8.1	23/A8.1	28/A8.1	METAL SECTIONAL INSULATED DOOR
127	S	9'-0" x 10'-0"	--	AL	TIG	--	--	--	FCTY	--	--	--	18/A8.1	23/A8.1	28/A8.1	METAL SECTIONAL INSULATED DOOR
129	S	9'-0" x 10'-0"	--	AL	TIG	--	--	--	FCTY	--	--	--	18/A8.1	23/A8.1	28/A8.1	METAL SECTIONAL INSULATED DOOR
129	S	9'-0" x 10'-0"	--	AL	TIG	--	--	--	FCTY	--	--	--	18/A8.1	23/A8.1	28/A8.1	METAL SECTIONAL INSULATED DOOR
130	F	3'-0" x 7'-0"	1 3/4"	HM	--	--	1	Y	PNT	1	HM	PNT	19/A8.1	19/A8.1	24/A8.1	DOOR AND FRAME
131	S	9'-0" x 10'-0"	--	AL	TIG	--	--	--	FCTY	--	--	--	18/A8.1	23/A8.1	28/A8.1	METAL SECTIONAL INSULATED DOOR
132	S	9'-0" x 10'-0"	--	AL	TIG	--	--	--	FCTY	--	--	--	18/A8.1	23/A8.1	28/A8.1	METAL SECTIONAL INSULATED DOOR
133	S	9'-0" x 10'-0"	--	AL	TIG	--	--	--	FCTY	--	--	--	18/A8.1	23/A8.1	28/A8.1	METAL SECTIONAL INSULATED DOOR
134	S	9'-0" x 10'-0"	--	AL	TIG	--	--	--	FCTY	--	--	--	18/A8.1	23/A8.1	28/A8.1	METAL SECTIONAL INSULATED DOOR
135	S	9'-0" x 10'-0"	--	AL	TIG	--	--	--	FCTY	--	--	--	18/A8.1	23/A8.1	28/A8.1	METAL SECTIONAL INSULATED DOOR
136	S	9'-0" x 10'-0"	--	AL	TIG	--	--	--	FCTY	--	--	--	18/A8.1	23/A8.1	28/A8.1	METAL SECTIONAL INSULATED DOOR
137	S	9'-0" x 10'-0"	--	AL	TIG	--	--	--	FCTY	--	--	--	18/A8.1	23/A8.1	28/A8.1	METAL SECTIONAL INSULATED DOOR
138	S	9'-0" x 10'-0"	--	AL	TIG	--	--	--	FCTY	--	--	--	18/A8.1	23/A8.1	28/A8.1	METAL SECTIONAL INSULATED DOOR
139	F	3'-0" x 7'-0"	1 3/4"	HM	--	--	1	Y	PNT	1	HM	PNT	19/A8.1	19/A8.1	24/A8.1	DOOR AND FRAME
140	S	9'-0" x 10'-0"	--	AL	TIG	--	--	--	FCTY	--	--	--	18/A8.1	23/A8.1	28/A8.1	METAL SECTIONAL INSULATED DOOR
141	S	9'-0" x 10'-0"	--	AL	TIG	--	--	--	FCTY	--	--	--	18/A8.1	23/A8.1	28/A8.1	METAL SECTIONAL INSULATED DOOR
142	S	9'-0" x 10'-0"	--	AL	TIG	--	--	--	FCTY	--	--	--	18/A8.1	23/A8.1	28/A8.1	METAL SECTIONAL INSULATED DOOR
143	S	9'-0" x 10'-0"	--	AL	TIG	--	--	--	FCTY	--	--	--	18/A8.1	23/A8.1	28/A8.1	METAL SECTIONAL INSULATED DOOR
144	S	9'-0" x 10'-0"	--	AL	TIG	--	--	--	FCTY	--	--	--	18/A8.1	23/A8.1	28/A8.1	METAL SECTIONAL INSULATED DOOR
145	S	9'-0" x 10'-0"	--	AL	TIG	--	--	--	FCTY	--	--	--	18/A8.1	23/A8.1	28/A8.1	METAL SECTIONAL INSULATED DOOR
146	F	3'-0" x 8'-0"	1 3/4"	HM	--	--	1	Y	PNT	1	HM	PNT	19/A8.1	19/A8.1	24/A8.1	DOOR AND FRAME
147	S	12'-0" x 14'-0"	--	AL	TIG	--	--	--	FCTY	--	--	--	18/A8.1	23/A8.1	--	METAL SECTIONAL INSULATED DOOR
148	F	3'-0" x 7'-0"	1 3/4"	HM	--	--	1	Y	PNT	1	HM	PNT	19/A8.1	19/A8.1	24/A8.1	DOOR AND FRAME
149	F	3'-0" x 7'-0"	1 3/4"	HM	--	--	1	Y	PNT	1	HM	PNT	19/A8.1	19/A8.1	24/A8.1	DOOR AND FRAME
150	F	3'-0" x 7'-0"	1 3/4"	HM	--	--	1	Y	PNT	1	HM	PNT	19/A8.1	19/A8.1	24/A8.1	DOOR AND FRAME
151	F	3'-0" x 7'-0"	1 3/4"	HM	--	--	1	Y	PNT	1	HM	PNT	19/A8.1	19/A8.1	24/A8.1	DOOR AND FRAME



26 EXTERIOR OPENING TYPES
SCALE: N.T.S
"IG" = INSULATED GLAZING "TIG" = TEMPERED INSULATED SAFETY GLAZING

SYNTHESIS PLLC
THE FUSION OF ARCHITECTURE, DESIGN TECHNOLOGY & PEOPLE
12503 Bel-Red Road, Suite 100
Bellevue, WA 98005
p 425 646 1818 f 425 646 4141

VECTOR
Development Company
11411 NE 124th Street
Suite 190
Kirkland, WA 98034

REVISIONS

ISSUE NO.	DATE	ITEM
2	01 31 24	PERMIT SUBMITTAL
1	10 14 22	SEPA RESUBMITTAL
D	11 01 21	DESIGN REVIEW APPLICATION
C	09 15 21	PRELIMINARY BID
B	03 19 21	SEPA APPLICATION
A	01 05 21	PRE-APPLICATION

PROFESSIONAL STAMP

7154 REGISTERED ARCHITECT
RANDALL LEE BROWN
STATE OF WASHINGTON

Digitally signed by Randy Brown
Date: 2024.02.01 09:14:23 -08'00'

PROJECT INFORMATION

BUILDING A
Freeman Road Logistics
Puyallup, WA

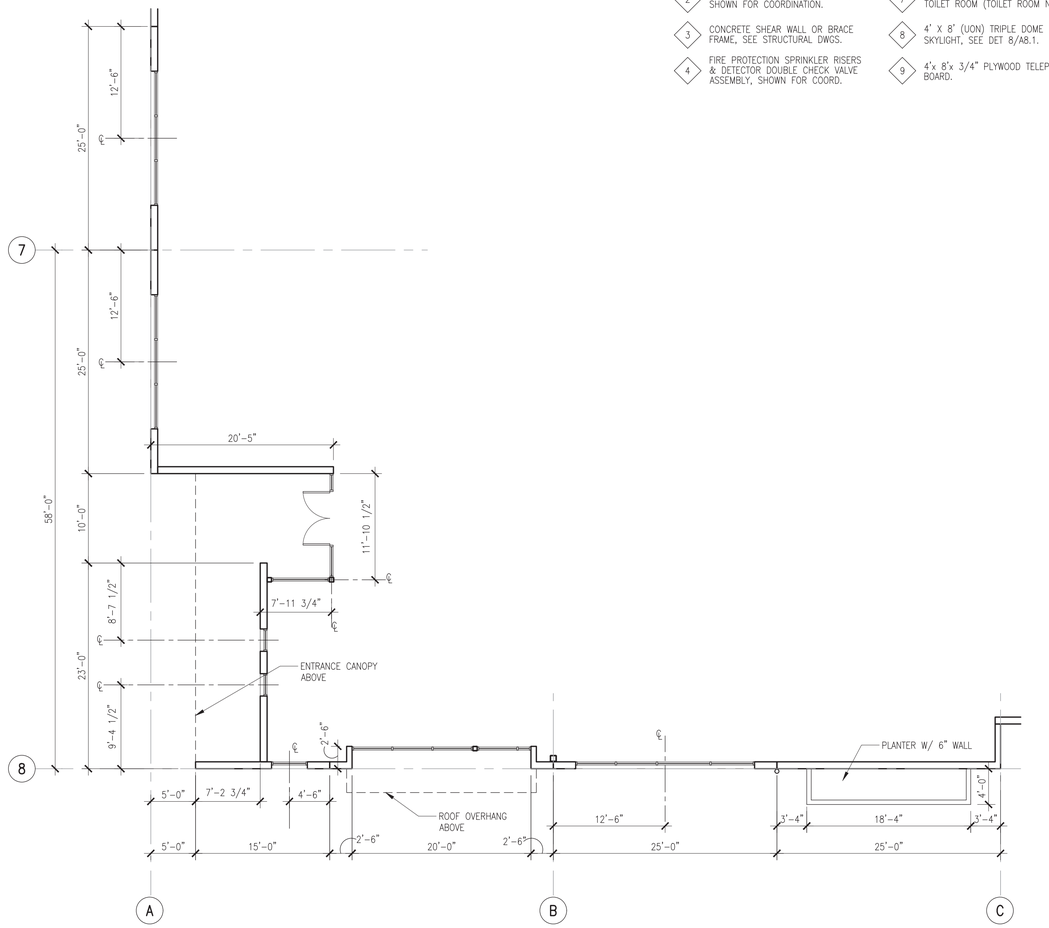
SHEET INFORMATION

RELEASE FOR: PERMIT SUBMITTAL
TITLE: DOOR & GLAZING SCHEDULE, EXTERIOR OPENING TYPES, DOOR AND HARDWARE NOTES
DESIGNED BY:
DRAWN BY:
REVIEWED BY:
APPROVED BY:
DATE: 01 05 21
SHEET NO: A3.1
PROJECT NO: 201401.13.031

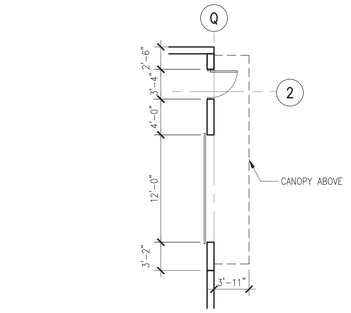
PLAN KEYNOTES

NOTE: NOT ALL KEYNOTES ARE USED

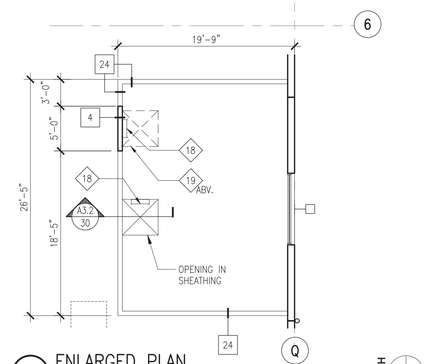
1. STEEL COLUMNS TYP, SEE STRUCTURAL DWGS.
2. ELECTRICAL DISTRIBUTION PANELS, SHOWN FOR COORDINATION.
3. CONCRETE SHEAR WALL OR BRACE FRAME, SEE STRUCTURAL DWGS.
4. FIRE PROTECTION SPRINKLER RISERS & DETECTOR DOUBLE CHECK VALVE ASSEMBLY, SHOWN FOR COORD.
5. GAS METER, SHOWN FOR COORDINATION, SEE CIVIL DRAWINGS FOR CONTINUATION.
6. SANITARY SEWER, SHOWN FOR COORDINATION, SEE CIVIL DRAWINGS FOR CONTINUATION.
7. STUB UP PLUMBING FOR FUTURE TOILET ROOM (TOILET ROOM N.I.C.)
8. 4' X 8' (UON) TRIPLE DOME SKYLIGHT, SEE DET 8/A8.1.
9. 4'x 8'x 3/4" PLYWOOD TELEPHONE BOARD.
10. LED HIGH BAY LIGHT FIXTURE
11. 1 1/2"ø NOM. GALV STL PIPE HANDRAIL, TOP @ 34" ABOVE STAIR NOSING OR RAMP TYP EA SIDE
12. SITE-CAST CONC PANELS, PNT, SEE STRUCTURAL DWGS.
13. 6"ø RD & 6"ø SCHD 40 ABS PLASTIC RWL, ROUTE TO EXTERIOR, SEE CIVIL DWGS FOR CONTINUATION.
14. STL ANGLE RWL PROTECTOR, TYP @ TRUCK COURT, SEE DETAIL 5/A8.1
15. 6"ø PVC EXT. RWL W/ OVERFLOW SCUPPER, PNT, SEE DET 2/A8.1 & 3/A8.1. SEE CIVIL DWGS FOR CONT.
16. DOMESTIC WATER PRV & BACKFLOW PREVENTER, SHOWN FOR COORD. SEE CIVIL DWGS FOR CONTINUATION.
17. PAINT STRIPING ON FLOOR OR PAVEMENT.
18. STL ROOF ACCESS LADDER W/ CAGE. LOCATION TO BE COORDINATED W/ STRUCTURAL FRAMING LOCATIONS.
19. 48"x48" ROOF ACCESS HATCH (9/A8.1) + HATCH RAILING SYSTEM IF WITHIN 10' OF ROOF EDGE.
20. PREFABICATED GALV STEEL PAN STAIRS & LANDINGS W/ CONC FILL, 7" MAX RISER, 11" MIN TREAD.
21. 1 1/2"ø NOM. GALV STEEL PIPE GUARD, TOP @ 42" ABOVE LANDING, STAIR NOSING OR RAMP, PAINT, TYP.
22. CONC SLAB ON VAPOR BARRIER ON 4" GRAVEL CAPILLARY BREAK IN OFFICE NODES (SHOWN SHADED).
23. PROVIDE SIGN W/ INTERNATIONAL SYMBOL OF ACCESS, ATTACH TO GLASS ADJACENT TO DOOR
24. HVAC EQUIPMENT AND PVC WALKWAY PADS BY TENANT
25. 30"x48" WHEELCHAIR SPACE.
26. RECESSED DOCK LEVELER
27. ENTRY CANOPY – SEE STRUCTURAL
28. PROVIDE 10 MIL VAPOR BARRIER UNDER OFFICE AREAS
29. SPRINKLER RISER DOOR: LABEL PER IBC 902.1.2. KEY BOX IF REQ BY MARSHAL PER IFC 901.4.6.1
30. FIRE DEPARTMENT ACCESS DOOR: LABEL PER IFC 3206.7.4. LOCATE KEY BOX PER MARSHAL (IFC 3206.7.8)



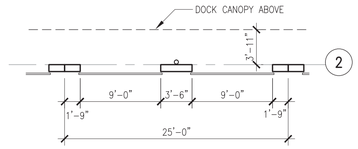
16 ENLARGED PLAN
SCALE: 1/8" = 1'-0"



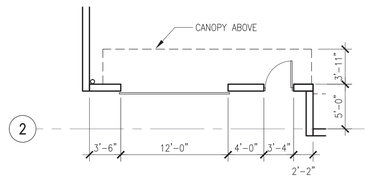
9 ENLARGED PLAN
SCALE: 1/8" = 1'-0"



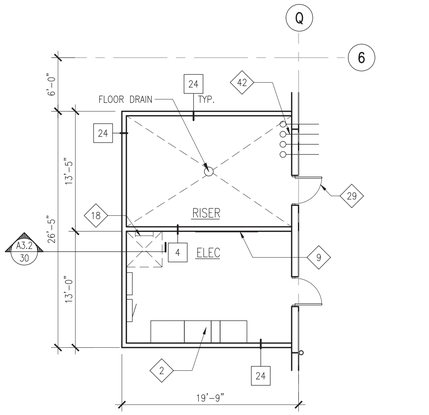
10 ENLARGED PLAN
SCALE: 1/8" = 1'-0"



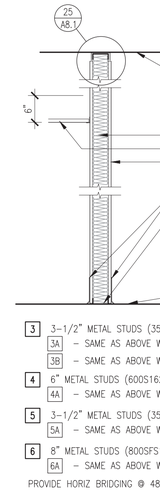
14 ENLARGED PLAN
SCALE: 1/8" = 1'-0"



19 ENLARGED PLAN
SCALE: 1/8" = 1'-0"

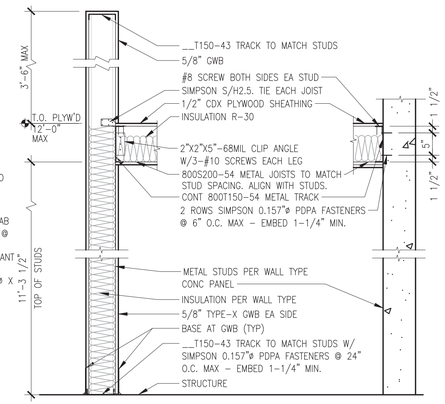


20 ENLARGED PLAN
SCALE: 1/8" = 1'-0"

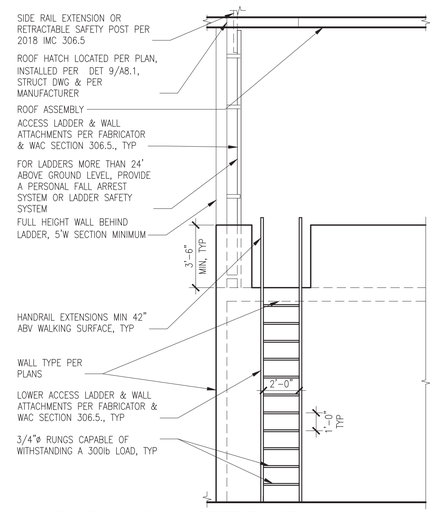


3 3-1/2" METAL STUDS (350S125-30) @ 24" O.C. W/ 5/8" GWB EACH SIDE
3A – SAME AS ABOVE W/ ACOUSTIC INSULATION
3B – SAME AS ABOVE W/ R-21 AND VAPOR BARRIER
4 6" METAL STUDS (600S162-43) @ 24" O.C. W/ 5/8" GWB EACH SIDE
4A – SAME AS ABOVE W/ R-19 INSULATION AND VAPOR BARRIER
5 3-1/2" METAL STUDS (350S125-30) @ 24" O.C. W/ 5/8" GWB ONE SIDE
5A – SAME AS ABOVE W/ ACOUSTIC INSULATION
6 8" METAL STUDS (800SFS162-43) @ 24" O.C. W/ 5/8" GWB ONE SIDE
6A – SAME AS ABOVE W/ R-21 AND VAPOR BARRIER
PROVIDE HORIZ BRIDGING @ 48" OC @ STUD FLANGES WHERE GWB IS OMITTED

28 WALL TYPES
SCALE: N.T.S.



23 3-1/2" STUDS (350S162-33) @ 24" O.C. W/ 5/8" TYPE-X GWB EA SIDE.
23A – SAME AS ABOVE W/ R-13 INSULATION
24 6" STUDS (600S162-43) @ 24" O.C. W/ 5/8" GWB EACH SIDE
24A – SAME AS ABOVE W/ R-21 INSULATION AND VAPOR BARRIER



30 ROOF ACCESS LADDER DIAGRAM
SCALE: 1/4" = 1'-0"

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REVISIONS

ISSUE NO.	DATE	ITEM
2	01 31 24	PERMIT SUBMITTAL
1	10 14 22	SEPA RESUBMITTAL
D	11 01 21	DESIGN REVIEW APPLICATION
C	09 15 21	PRELIMINARY BID
B	03 19 21	SEPA APPLICATION
A	01 05 21	PRE-APPLICATION

PROFESSIONAL STAMP

7154 REGISTERED ARCHITECT
RANDALL LEE BROWN
STATE OF WASHINGTON

Digitally signed by Randy Brown
Date: 2024.02.01 09:14:41 -08'00'

PROJECT INFORMATION

BUILDING A
Freeman Road Logistics
Puyallup, WA

SHEET INFORMATION

RELEASE FOR: PERMIT SUBMITTAL
TITLE: SCHEDULES, DOOR AND HARDWARE NOTES

DESIGNED BY: DRAWN BY:
REVIEWED BY: APPROVED BY:
DATE: 01 05 21
SHEET NO: A3.2
PROJECT NO: 201401.13.031

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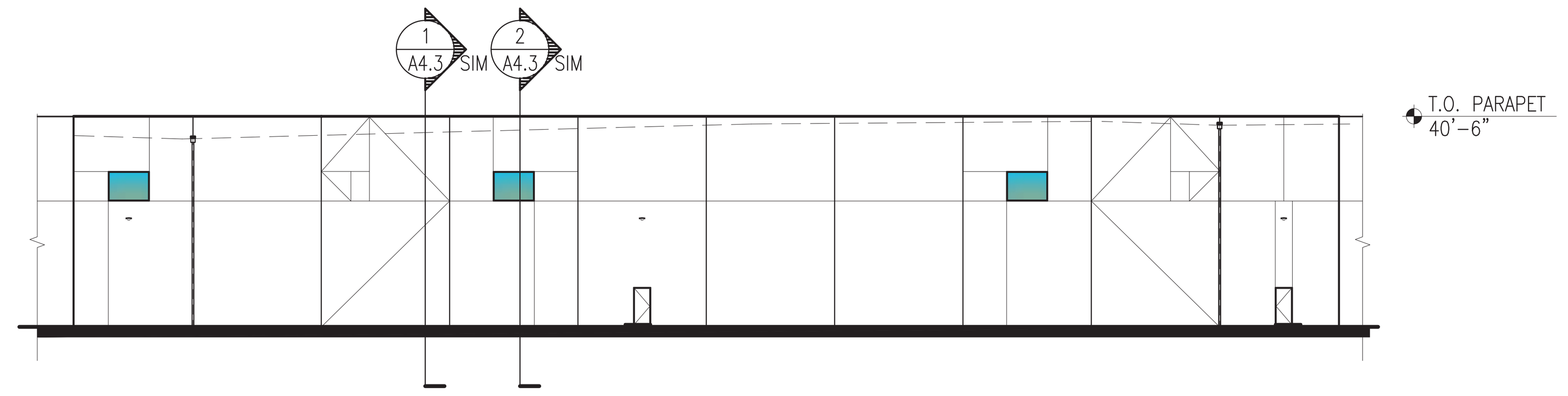
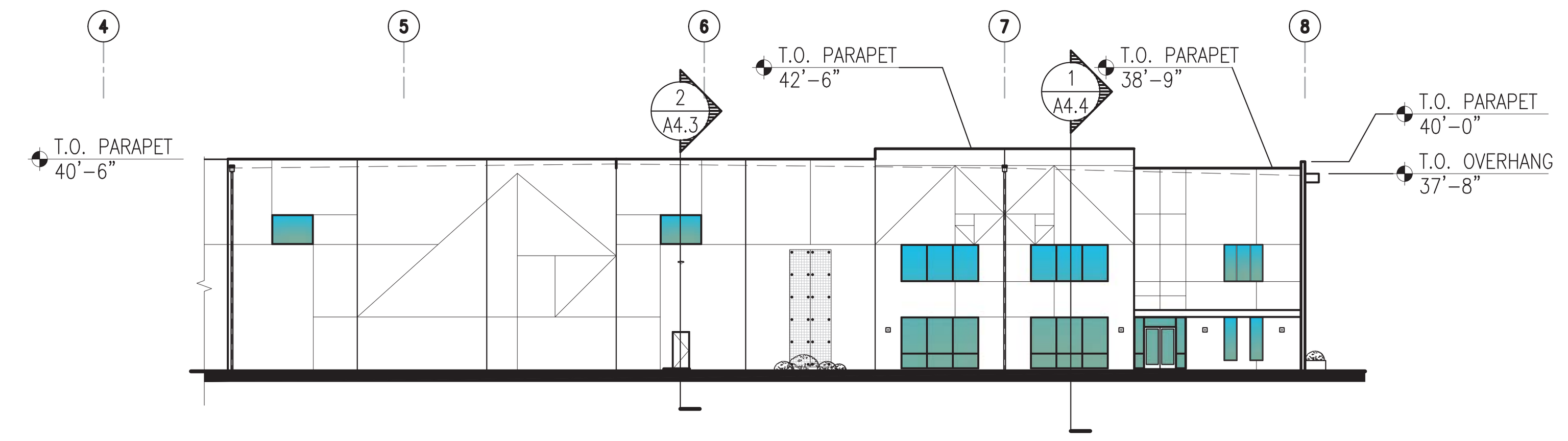


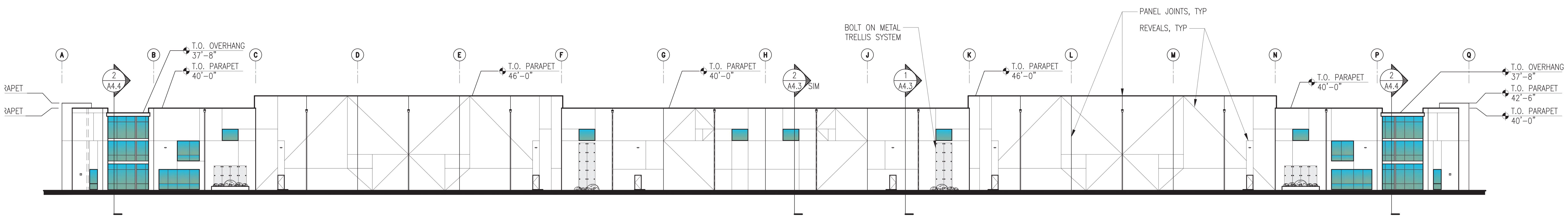
0 15' 30' 60' 90'
1" = 30'

2 NE ELEVATION
SCALE: 1" = 30'-0"



0 15' 30' 60' 90'
1" = 30'

1 NORTH ELEVATION
SCALE: 1" = 30'-0"



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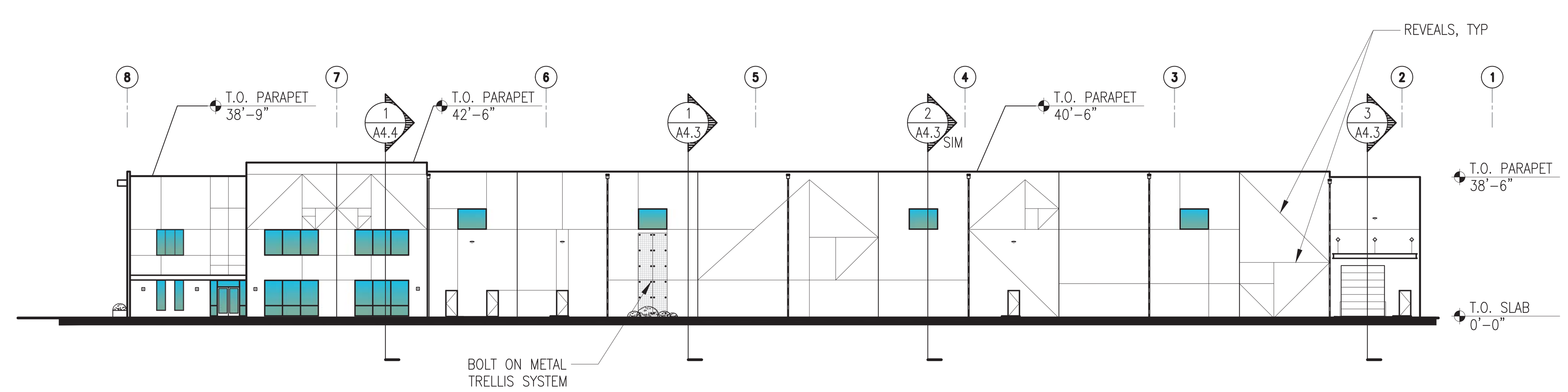
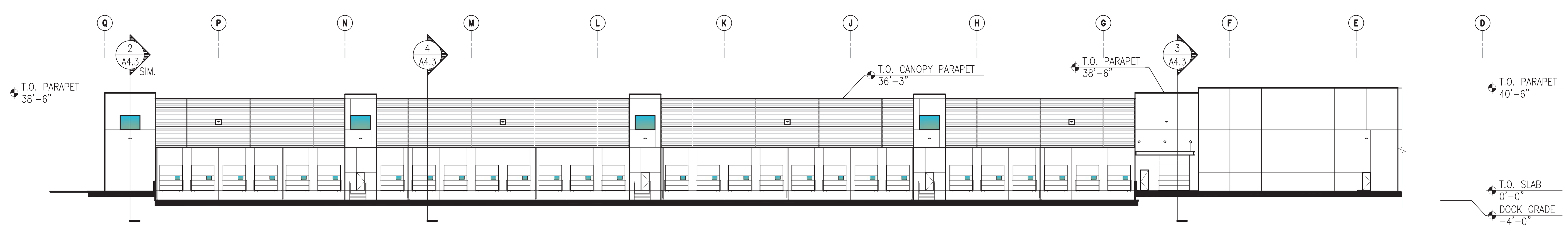
1" = 30'

5 WEST ELEVATION
SCALE: 1" = 30'-0"



0 15' 30' 60' 90'
1" = 30'

4 SOUTH ELEVATION
SCALE: 1" = 30'-0"



0 15' 30' 60' 90'
1" = 30'

3 EAST ELEVATION
SCALE: 1" = 30'-0"

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7154 REGISTERED ARCHITECT
RANDALL LEE BROWN
STATE OF WASHINGTON

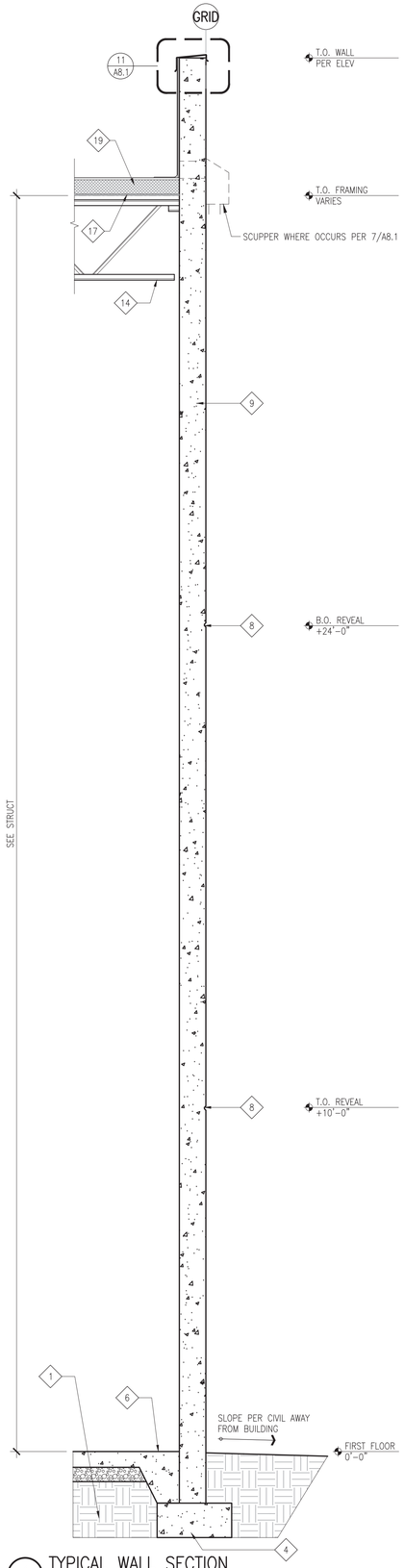
Digitally signed by Randy Brown
Date: 2024.02.01 09:15:01 -08'00'

PROJECT INFORMATION

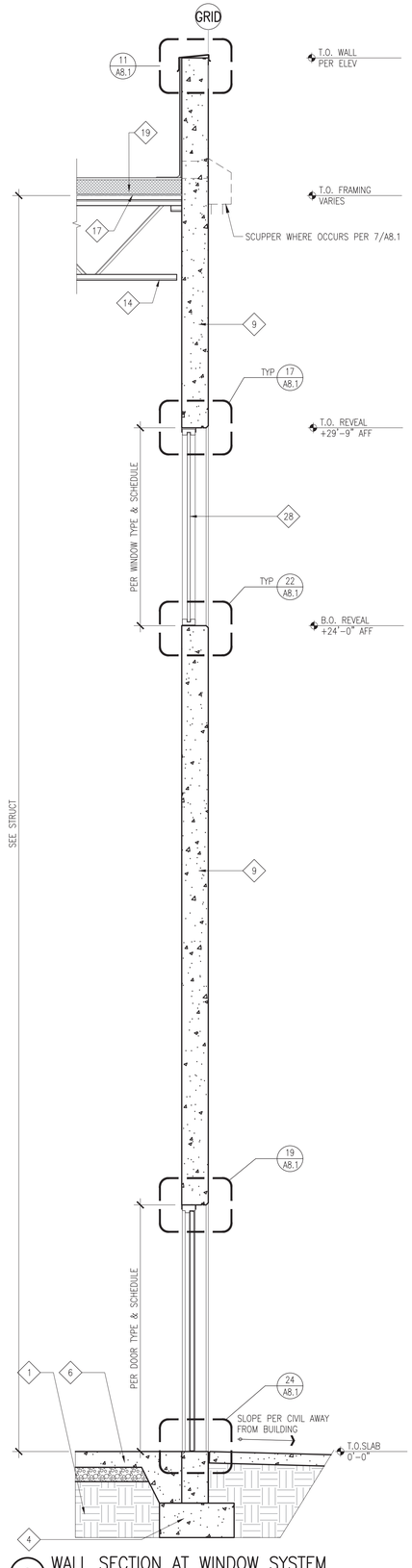
BUILDING A
Freeman Road Logistics
Puyallup, WA

SHEET INFORMATION

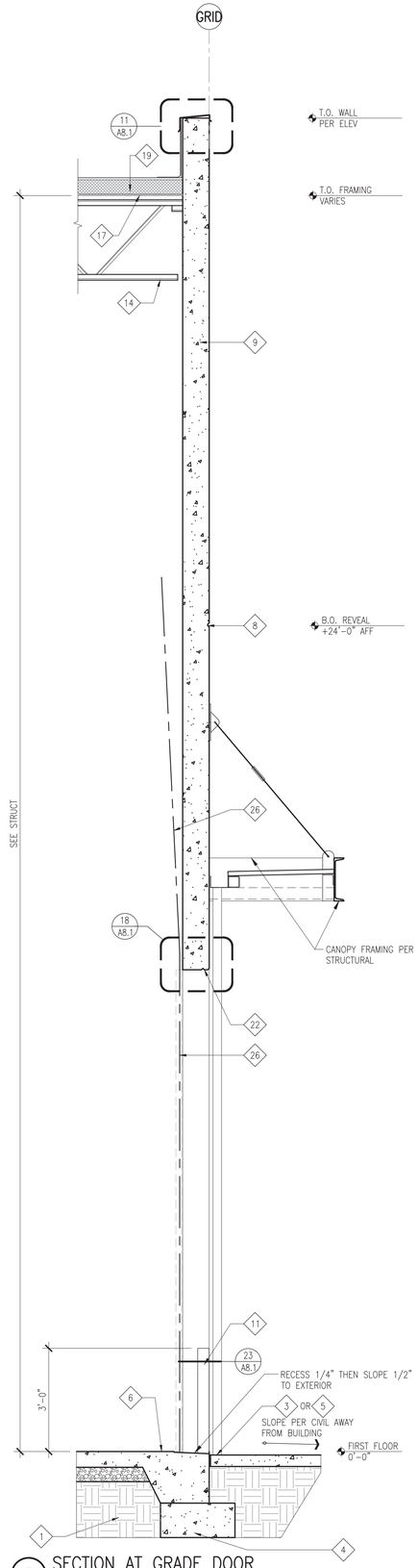
RELEASE FOR: PERMIT SUBMITTAL
TITLE: ELEVATIONS
DESIGNED BY:
DRAWN BY:
REVIEWED BY:
APPROVED BY:
DATE: 01 05 21
SHEET NO: A4.1
PROJECT NO: 201401.13.031



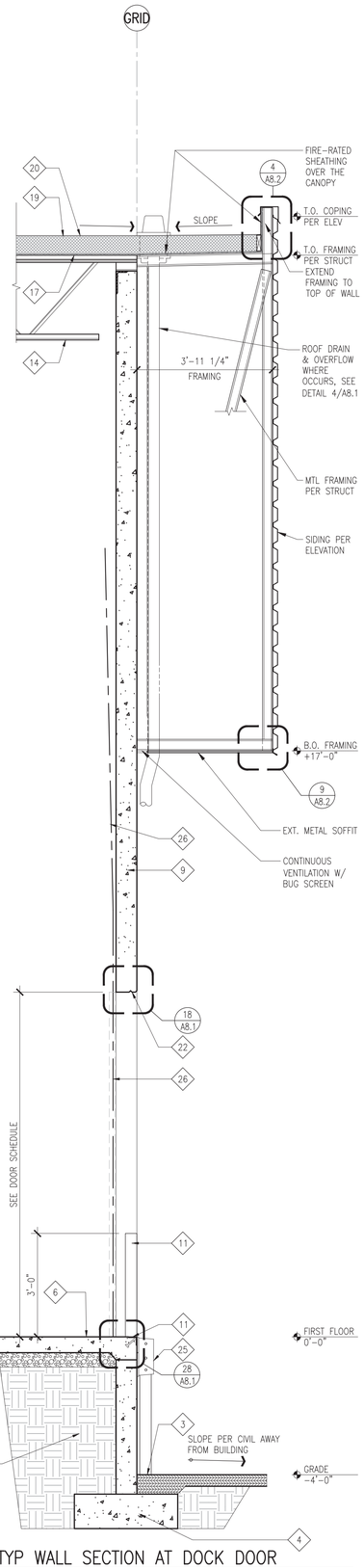
1 TYPICAL WALL SECTION
SCALE: 1/2" = 1'-0"



2 WALL SECTION AT WINDOW SYSTEM
SCALE: 1/2" = 1'-0"



3 SECTION AT GRADE DOOR
SCALE: 1/2" = 1'-0"



4 TYP WALL SECTION AT DOCK DOOR
SCALE: 1/2" = 1'-0"

KEYNOTES – WALL SECTIONS

NOTE: NOT ALL KEYNOTES ARE USED

1. STRUCTURAL FILL
2. CURTAIN BOARD BEYOND
3. CONCRETE PAVING
4. CONC FOOTING, SEE STRUCT DWGS FOR ELEVATION
5. CONC WALK OR LANDING OVER COMPACTED FILL PER SOILS REPORT
6. CONC SLAB-ON-GRADE ON GRAVEL CAPILLARY BREAK ON STRUCTURAL FILL PER SOILS REPORT
7. SEALANT
8. HORIZONTAL REVEAL, SEE DETAIL 13/A8.1, TYP UON
9. SITE CAST CONC WALL PANEL, PAINT
10. CANT
11. STEEL ANGLE, SEE STRUCT DWGS.
12. STEEL GIRDER, SEE STRUCTURAL FRAMING PLAN
13. STEEL BEAM, PAINT. SEE STRUCTURAL FRAMING PLAN
14. STEEL JOIST, SEE STRUCTURAL FRAMING PLAN
15. TUBE STEEL COLUMN OR BEAM, SEE STRUCTURAL DRAWINGS
16. FILTER FABRIC
17. OSB WOOD ROOF DECK, SEE STRUCTURAL DWGS
18. WOOD NAILER AND BLOCKING
19. RIGID INSULATION & PERIMETER WD BLKG AS REQD
20. SINGLE-PLY MEMBRANE ROOF ASSEMBLY, CLASS B, OR HIGHER
21. PREFINISHED METAL FASCIA
22. DRIP FORMED IN CONC PANEL
23. SURFACE REGLET
24. CRUSHED ROCK
25. DOCK BUMPER
26. SECTIONAL OVERHEAD DOOR TRACK
27. ALUMINUM WINDOW SYSTEM
28. ALUMINUM STOREFRONT SYSTEM
29. FOUNDATION DRAIN
30. GLAZING TYPE IG
31. GLAZING TYPE TIG
32. STEEL CHANNELS, SEE STRUCTURAL DRAWINGS
33. GLAZING TYPE SPGL (SPANDREL GLASS).
34. WALL SCONCE LIGHT FIXTURE EA SIDE OF ENTRY DOOR.
35. BELOW GRADE BITUMINOUS DAMP PROOFING
36. PATTERN USING CONCRETE FORM LINER
37. R-10 PERIMETER RIGID INSULATION WITH TAPERED TOP EDGE

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REVISIONS

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PROFESSIONAL STAMP

7154 REGISTERED ARCHITECT
RANDALL LEE BROWN
STATE OF WASHINGTON

Digitally signed by Randy Brown
Date: 2024.02.01 09:15:19 -08'00'

PROJECT INFORMATION

BUILDING A
Freeman Road Logistics
Puyallup, WA

SHEET INFORMATION

RELEASE FOR: PERMIT SUBMITTAL
TITLE: WALL SECTIONS

DESIGNED BY: DRAWN BY:
REVIEWED BY: APPROVED BY:
DATE: 01 05 21
SHEET NO: A4.3
PROJECT NO: 201401.13.031

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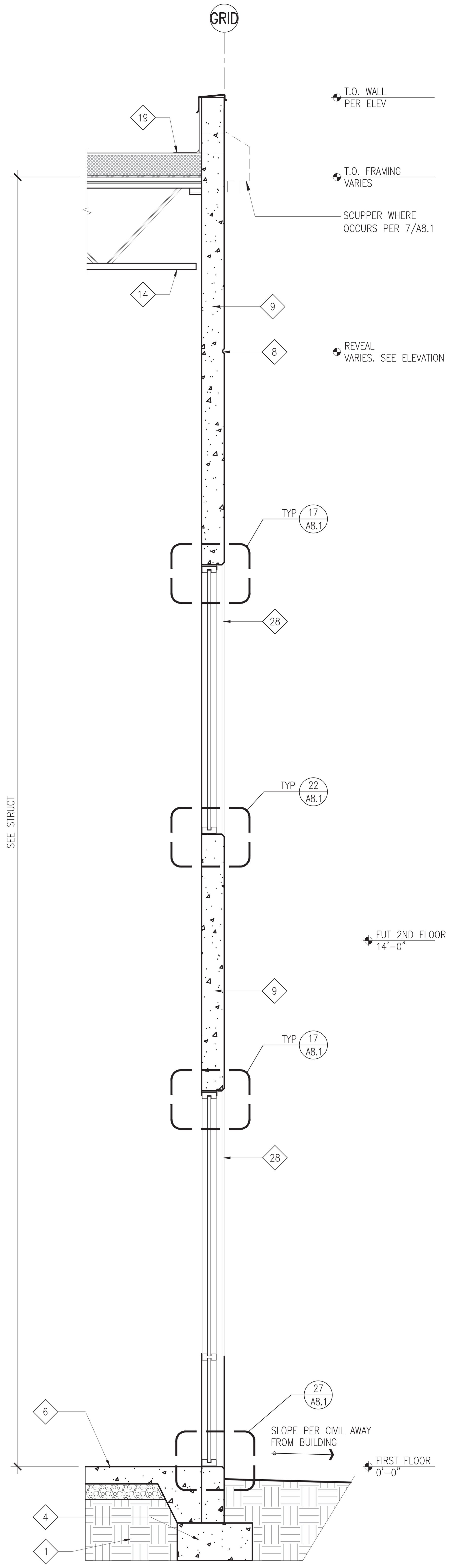
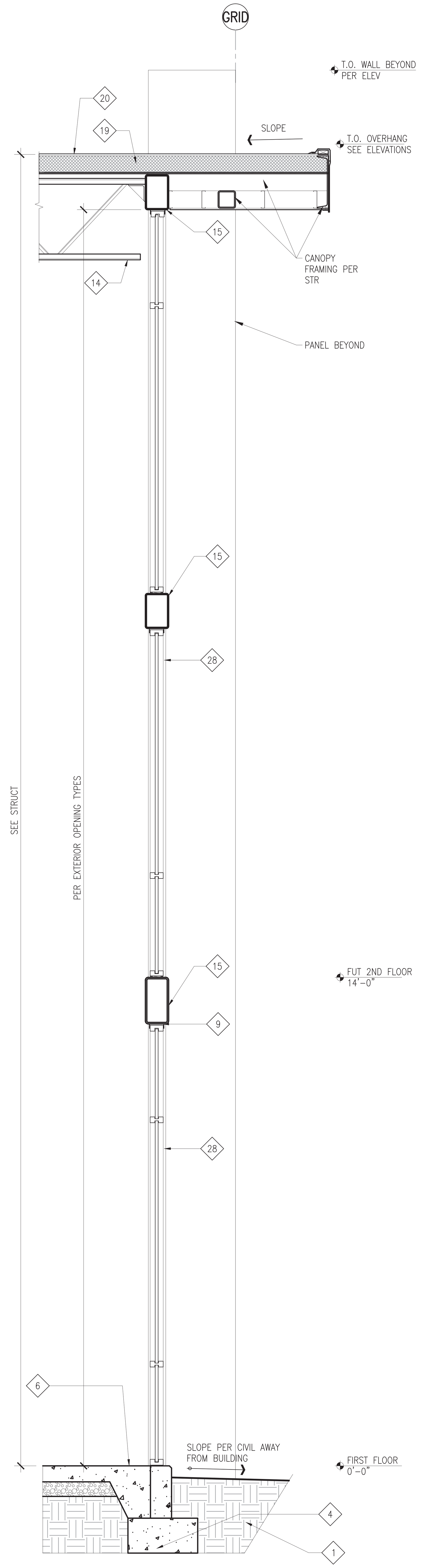


1 WALL SECTION AT WINDOW SYSTEM
SCALE: 1/2" = 1'-0"



2 WALL SECTION AT WINDOW SYSTEM
SCALE: 1/2" = 1'-0"

KEYNOTES – WALL SECTIONS

NOTE: NOT ALL KEYNOTES ARE USED

1. STRUCTURAL FILL
2. CURTAIN BOARD BEYOND
3. CONCRETE PAVING
4. CONC FOOTING, SEE STRUCT DWGS FOR ELEVATION
5. CONC WALK OR LANDING OVER COMPACTED FILL PER SOILS REPORT
6. CONC SLAB-ON-GRADE ON GRAVEL CAPILLARY BREAK ON STRUCTURAL FILL PER SOILS REPORT
7. SEALANT
8. HORIZONTAL REVEAL, SEE DETAIL 13/A8.1, TYP UON
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11. STEEL ANGLE, SEE STRUCT DWGS.
12. STEEL GIRDER, SEE STRUCTURAL FRAMING PLAN
13. STEEL BEAM, PAINT. SEE STRUCTURAL FRAMING PLAN
14. STEEL JOIST, SEE STRUCTURAL FRAMING PLAN
15. TUBE STEEL COLUMN OR BEAM, SEE STRUCTURAL DRAWINGS
16. FILTER FABRIC
17. OSB WOOD ROOF DECK, SEE STRUCTURAL DWGS
18. WOOD NAILER AND BLOCKING
19. RIGID INSULATION & PERIMETER WD BLKG AS REQD
20. SINGLE-PLY MEMBRANE ROOF ASSEMBLY, CLASS B, OR HIGHER
21. PREFINISHED METAL FASCIA
22. DRIP FORMED IN CONC PANEL
23. SURFACE REGLET
24. CRUSHED ROCK
25. DOCK BUMPER
26. SECTIONAL OVERHEAD DOOR TRACK
27. ALUMINUM WINDOW SYSTEM
28. ALUMINUM STOREFRONT SYSTEM
29. FOUNDATION DRAIN
30. GLAZING TYPE IG
31. GLAZING TYPE TIG
32. STEEL CHANNELS, SEE STRUCTURAL DRAWINGS
33. GLAZING TYPE SPGL (SPANDREL GLASS).
34. WALL SCONCE LIGHT FIXTURE EA SIDE OF ENTRY DOOR.
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RANDALL LEE BROWN
STATE OF WASHINGTON

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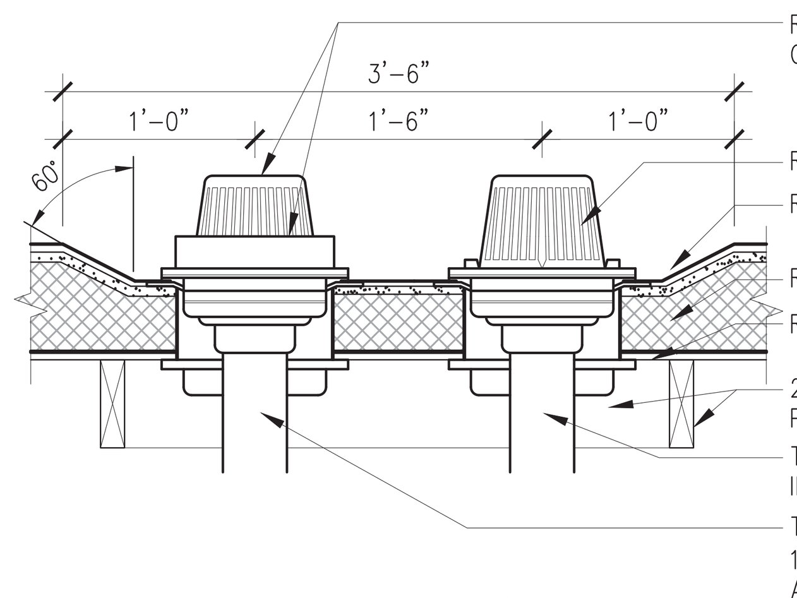
PROJECT INFORMATION

BUILDING A
Freeman Road Logistics
Puyallup, WA

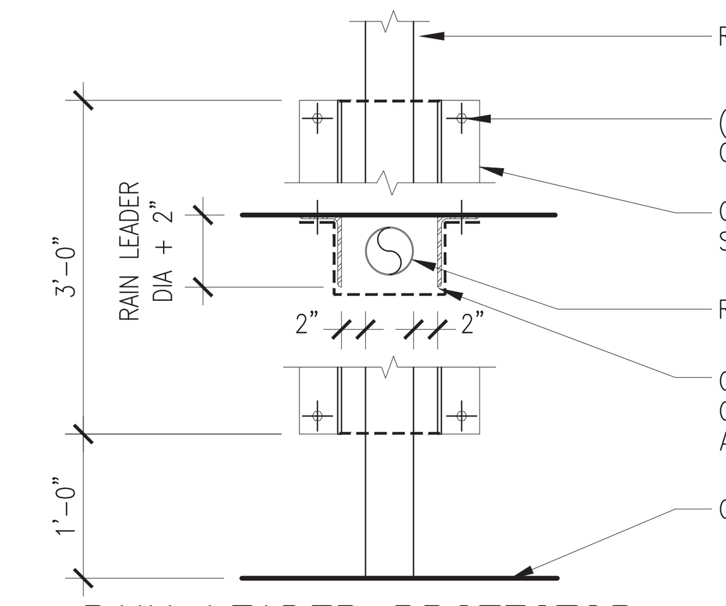
SHEET INFORMATION

RELEASE FOR: PERMIT SUBMITTAL
TITLE: WALL SECTIONS

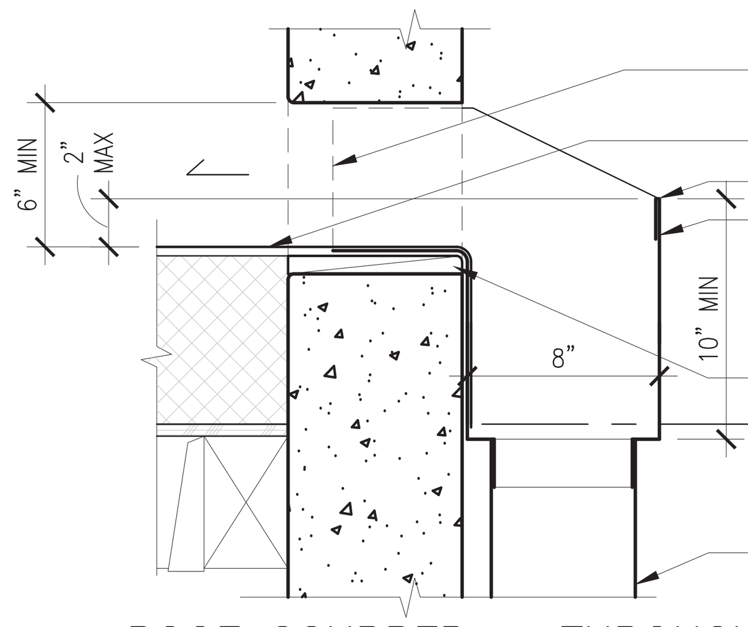
DESIGNED BY:
DRAWN BY:
REVIEWED BY:
APPROVED BY:
DATE: 01 05 21
SHEET NO: A4.4
PROJECT NO: 201401.13.031



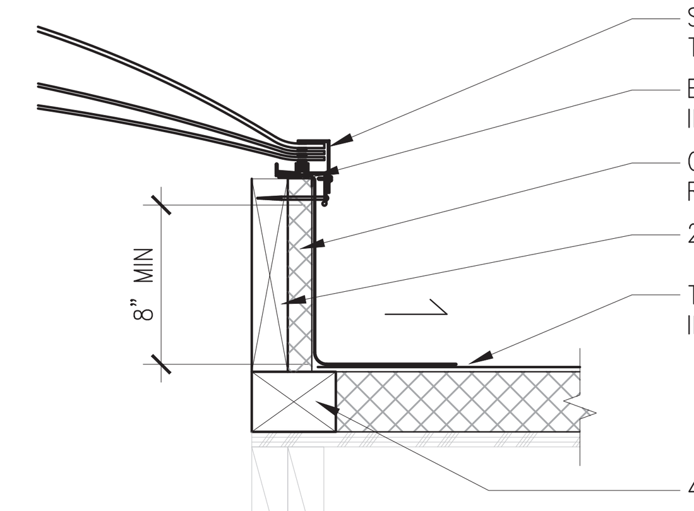
4 ROOF DRAIN W/ OVERFLOW
SCALE: 1" = 1'-0"



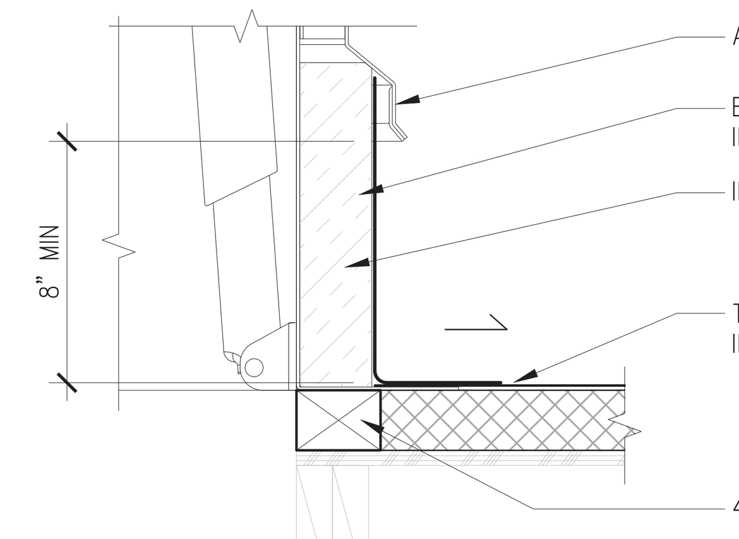
5 RAIN LEADER PROTECTOR
SCALE: 3/4" = 1'-0"



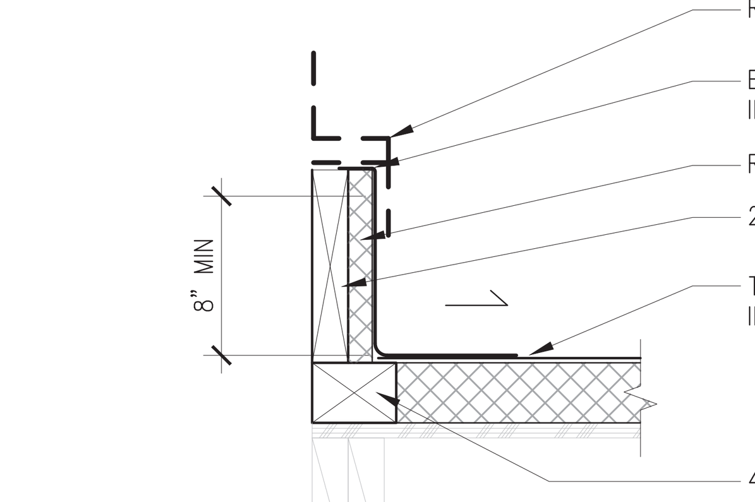
7 ROOF SCUPPER – THROUGH-WALL
SCALE: 1-1/2" = 1'-0" TPO



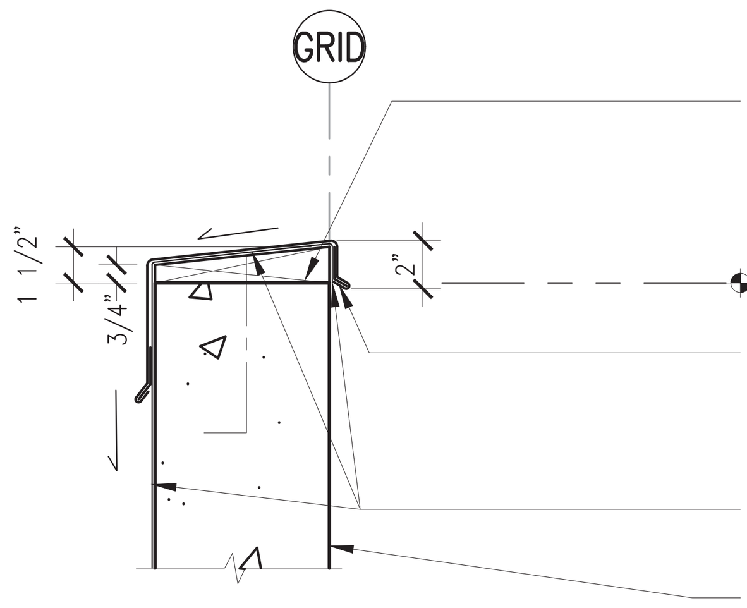
8 TYPICAL SKYLIGHT CURB
SCALE: 1-1/2" = 1'-0" TPO – INS 3



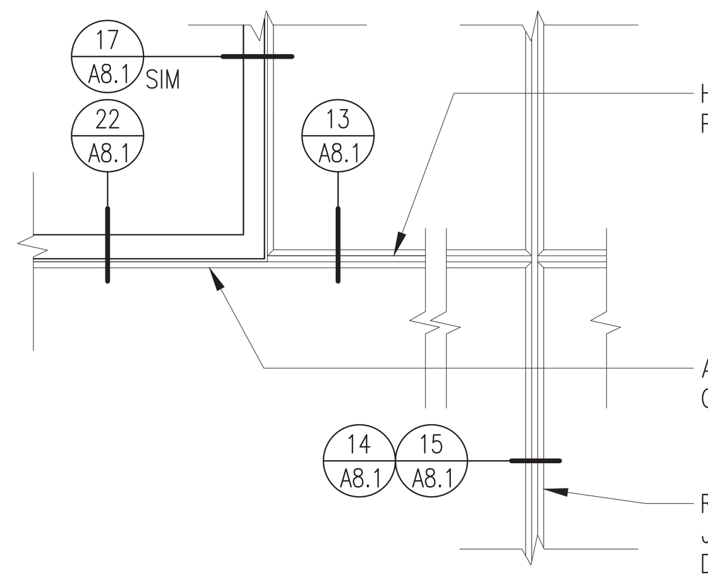
9 ROOF ACCESS HATCH
SCALE: 1-1/2" = 1'-0" TPO – INS



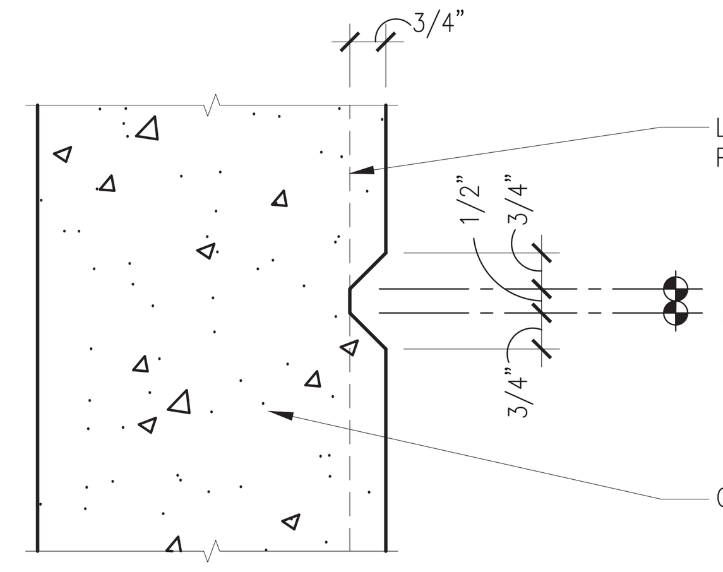
10 ROOFTOP MECH UNIT CURB
SCALE: 1-1/2" = 1'-0" TPO – INS



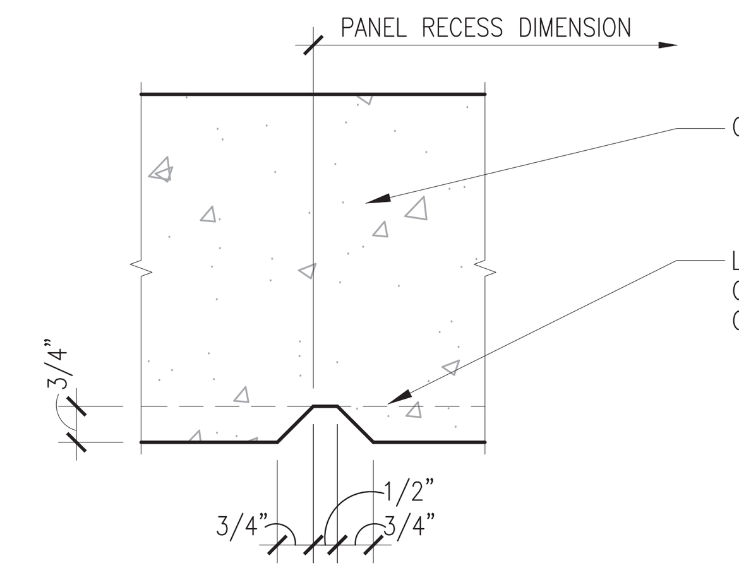
11 PARAPET
SCALE: 1-1/2" = 1'-0"



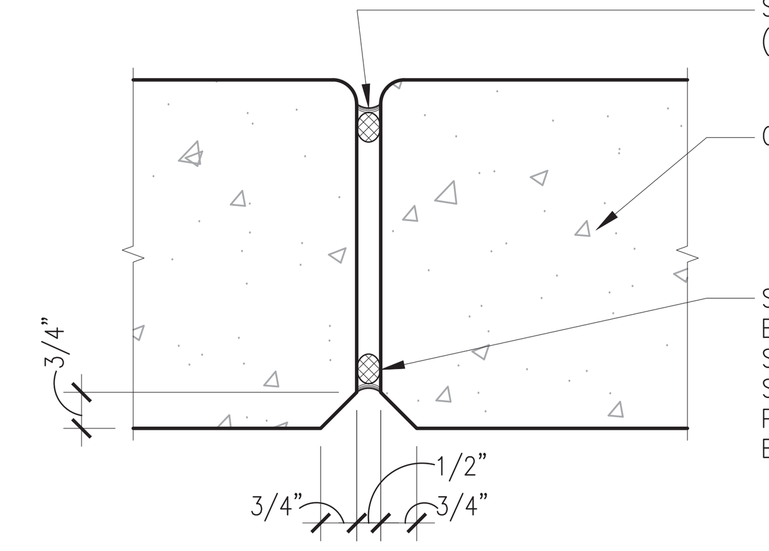
12 PARTIAL PANEL ELEVATION
SCALE: 3/4" = 1'-0"



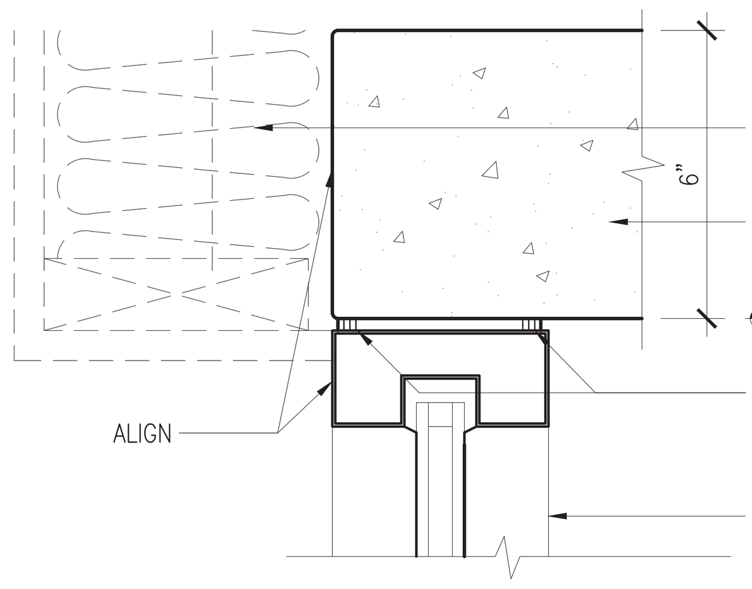
13 TYPICAL HORIZONTAL REVEAL
SCALE: 3" = 1'-0"



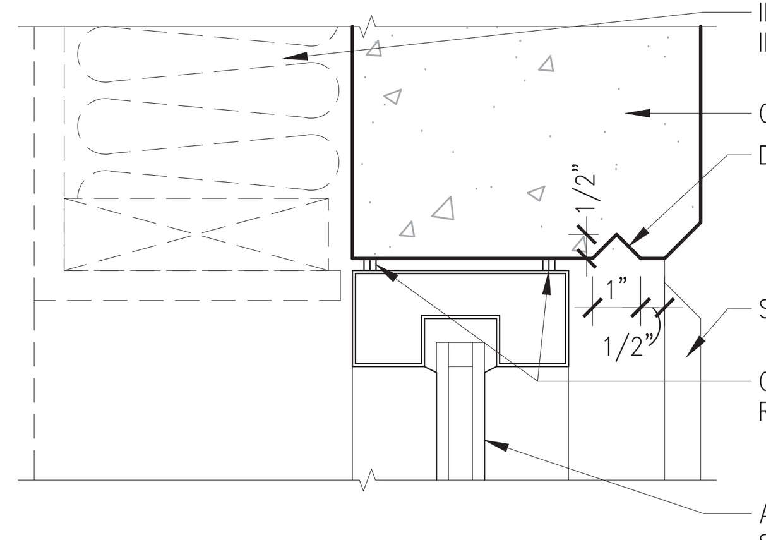
14 TYPICAL VERTICAL REVEAL
SCALE: 3" = 1'-0"



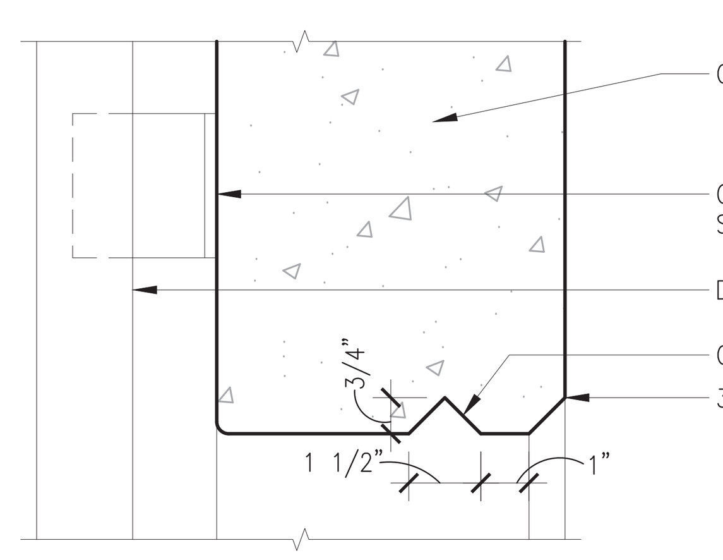
15 TYPICAL PANEL JOINT
SCALE: 3" = 1'-0" 3/4"



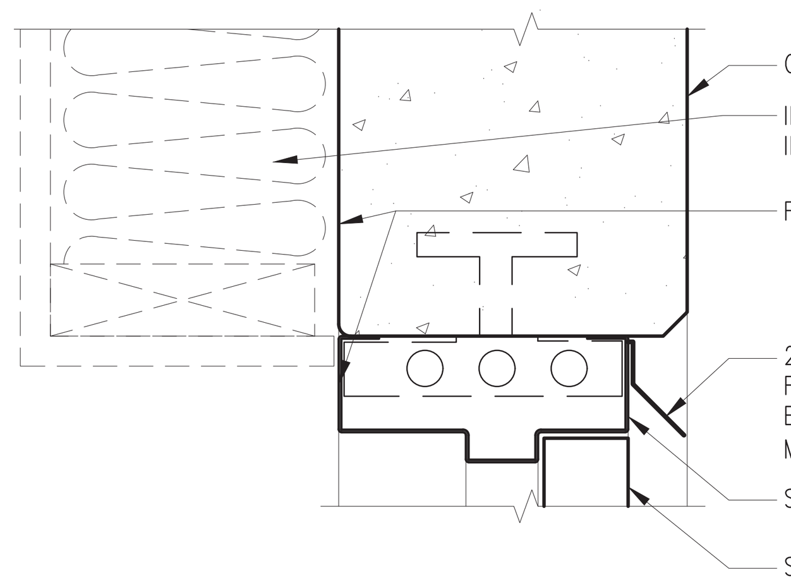
16 RECESSED AL STOREFRONT HEAD
SCALE: 3" = 1'-0"



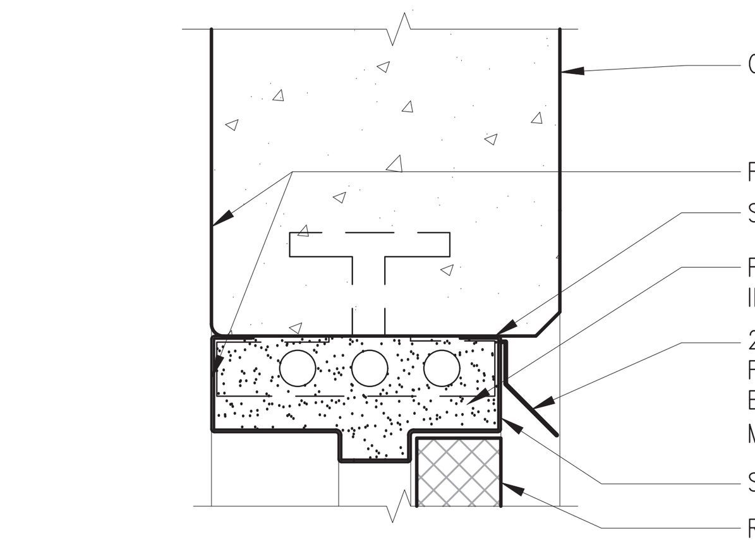
17 TYPICAL WINDOW HEAD, JAMB SIMILAR
SCALE: 3" = 1'-0"



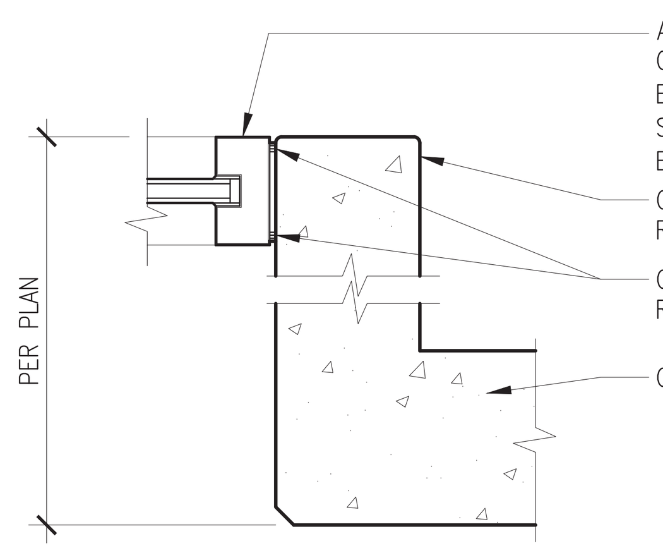
18 OVERHEAD DOOR HEAD
SCALE: 3" = 1'-0"



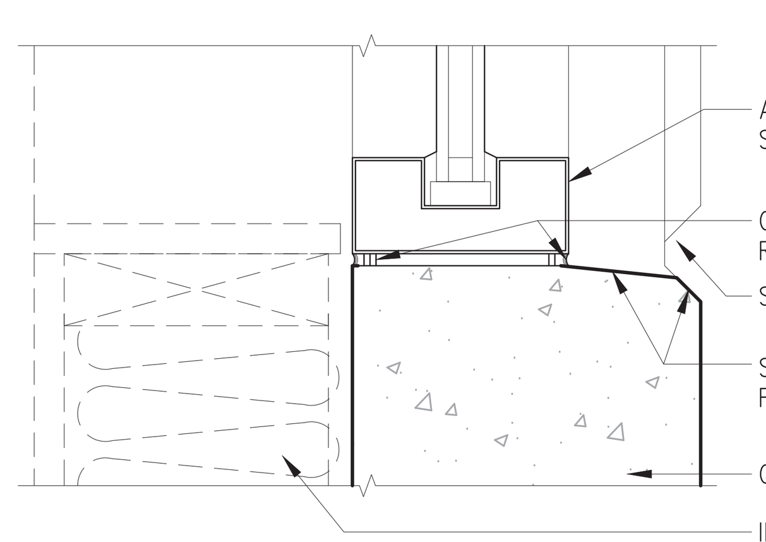
19 STEEL DOOR HEAD AND JAMB
SCALE: 3" = 1'-0"



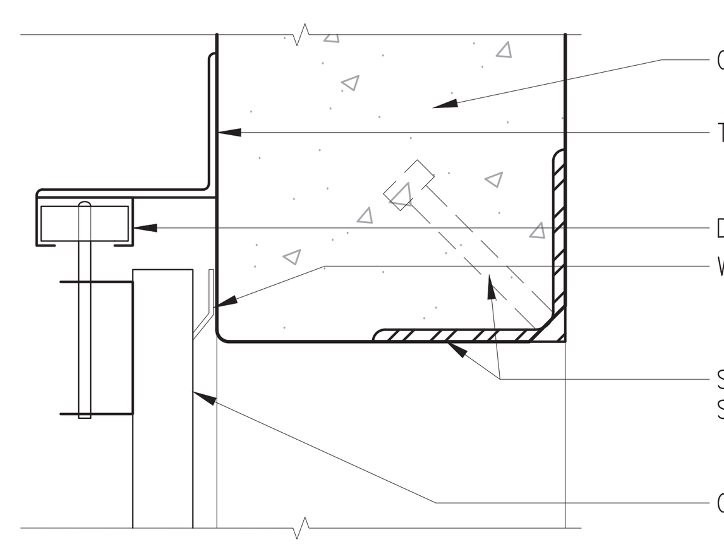
20 RATED STEEL DOOR HEAD AND JAMB
SCALE: 3" = 1'-0"



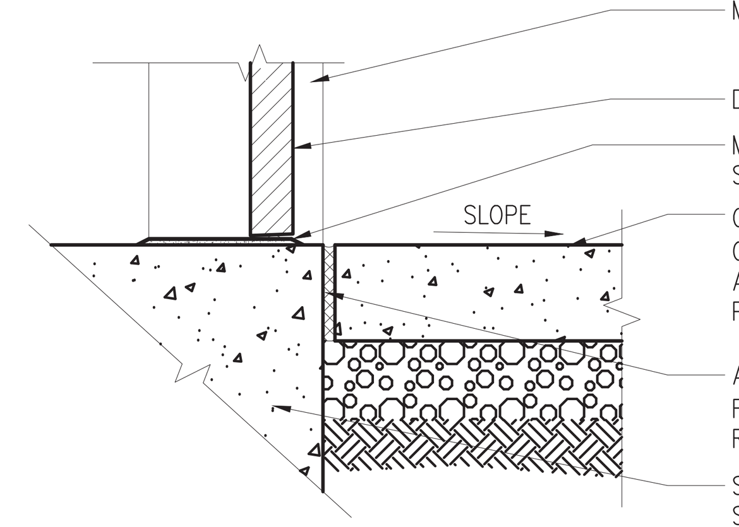
21 RECESSED AL STOREFRONT JAMB
SCALE: 1-1/2" = 1'-0"



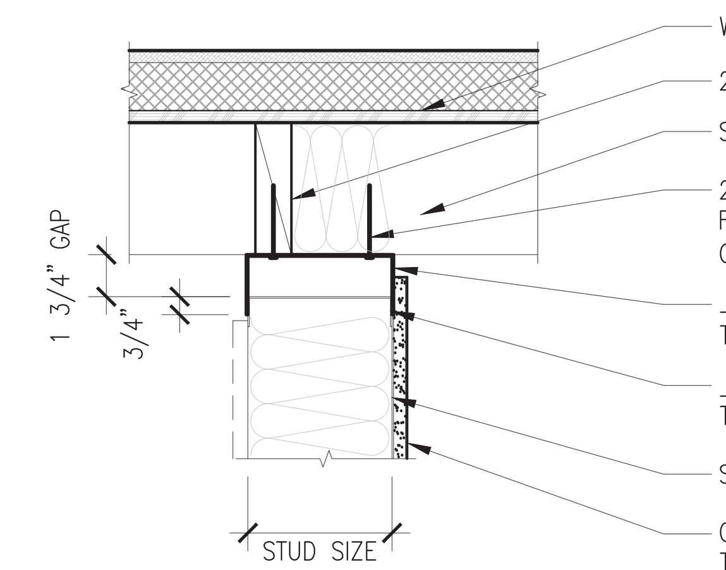
22 TYPICAL WINDOW SILL
SCALE: 3" = 1'-0"



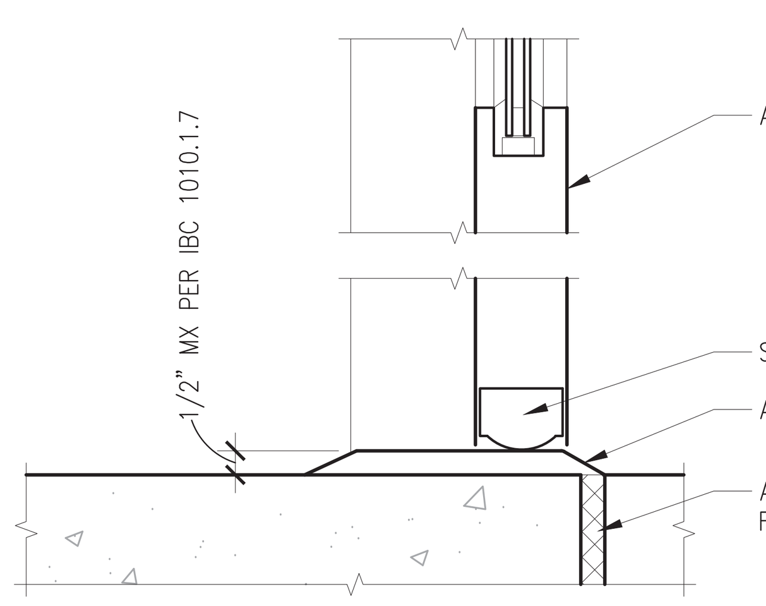
23 OVERHEAD DOOR JAMB
SCALE: 3" = 1'-0"



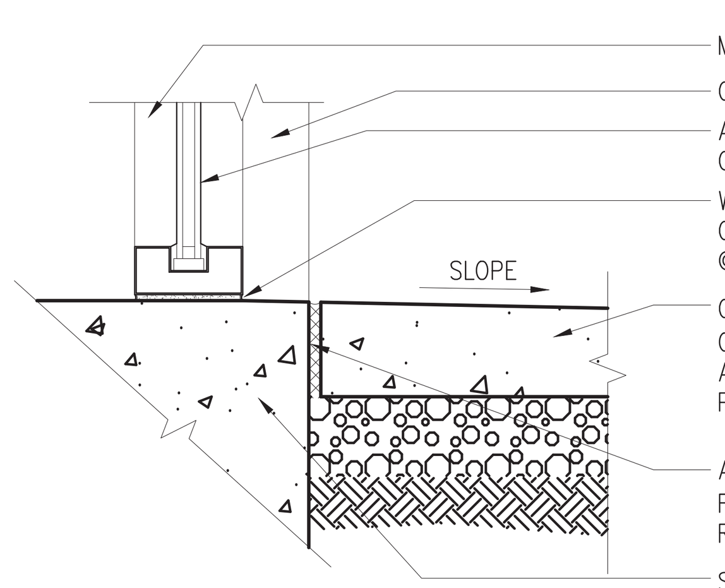
24 EXTERIOR DOOR THRESHOLD
SCALE: 1-1/2" = 1'-0"



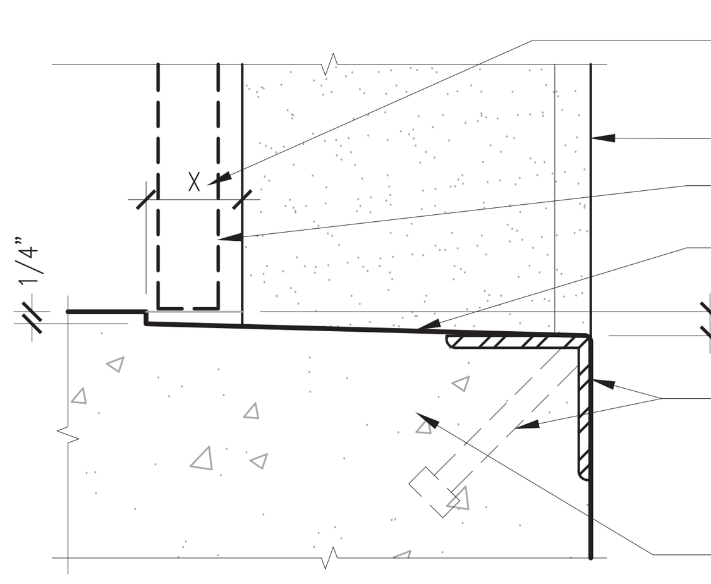
25 METAL STUD WALL AT ROOF
SCALE: 1-1/2" = 1'-0" 1-5/8" MAXIMUM LIVE LOAD DEFLECTION



26 TYPICAL AL ENTRANCE SILL
SCALE: 3" = 1'-0"



27 WINDOW SILL AT GRADE
SCALE: 1-1/2" = 1'-0"



28 OVERHEAD DOOR SILL
SCALE: 3" = 1'-0"

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Kirkland, WA 98034

REVISIONS

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PROFESSIONAL STAMP

7154 REGISTERED ARCHITECT
RANDALL LEE BROWN
STATE OF WASHINGTON
Digitally signed by Randy Brown
Date: 2024.02.01 09:15:59 -08'00'

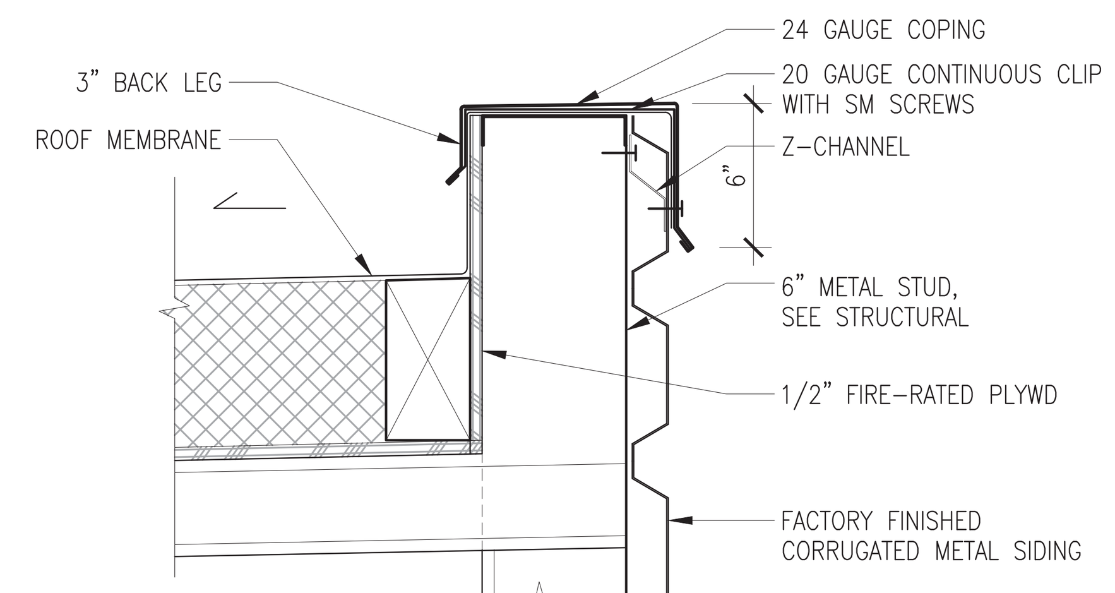
PROJECT INFORMATION

BUILDING A
Freeman Road Logistics
Puyallup, WA

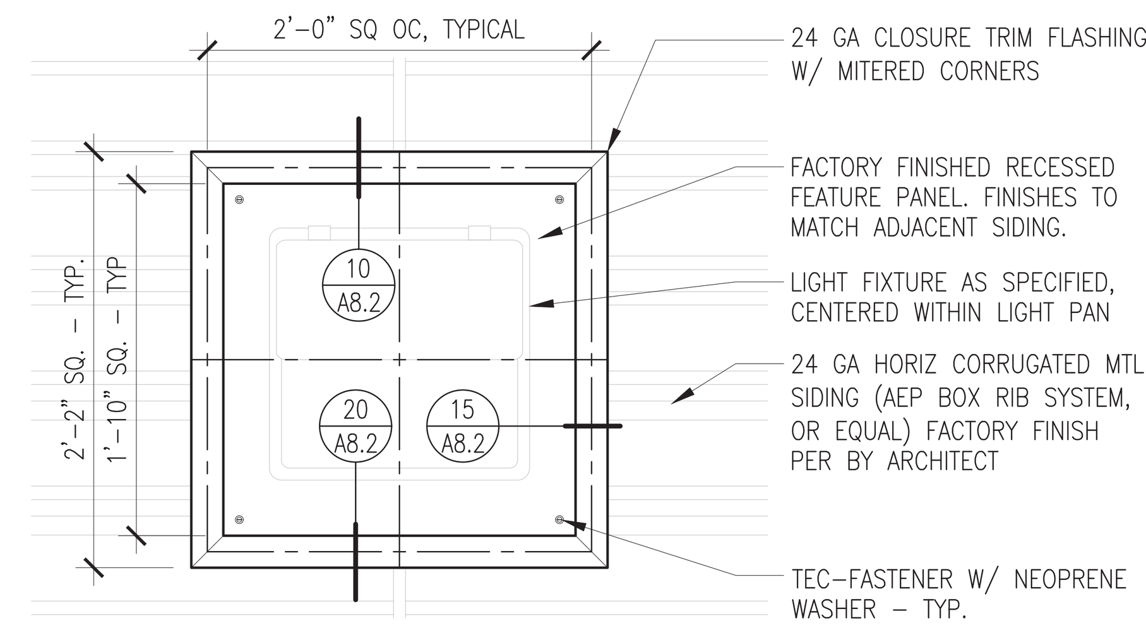
SHEET INFORMATION

RELEASE FOR: PERMIT SUBMITTAL
TITLE: EXTERIOR DETAILS

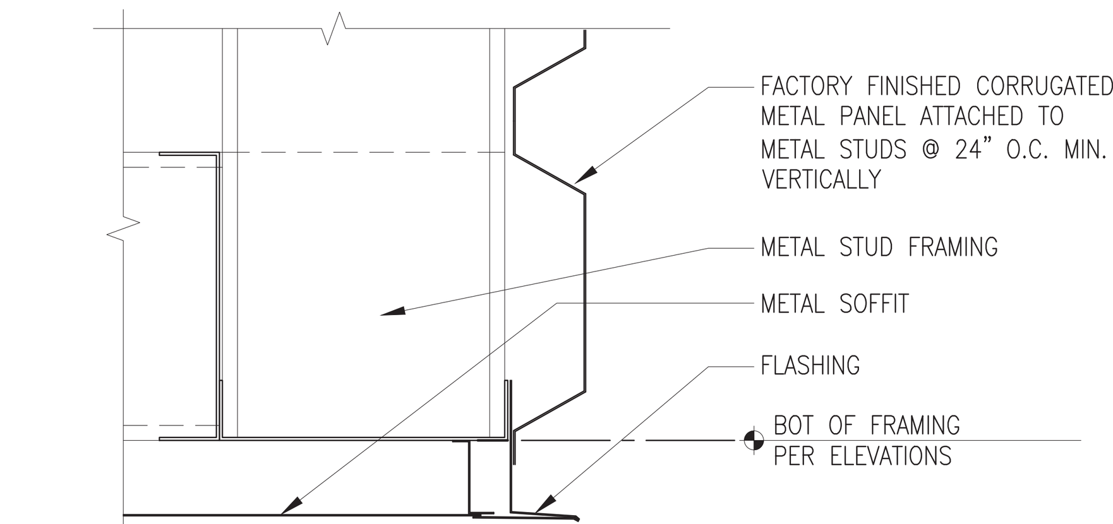
DESIGNED BY:
DRAWN BY:
REVIEWED BY:
APPROVED BY:
DATE: 01 05 21
SHEET NO: A8.1
PROJECT NO: 201401.13.031



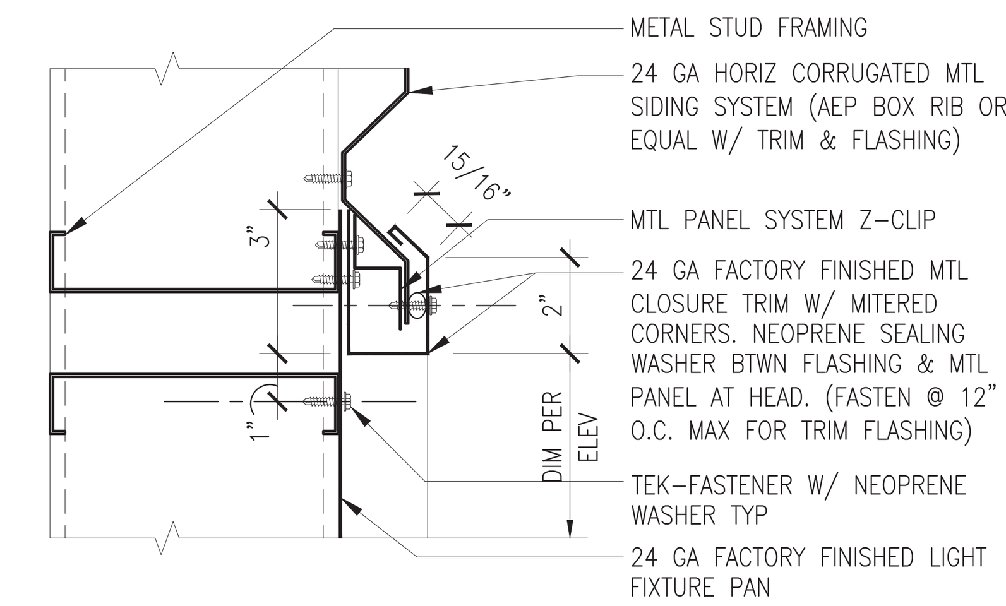
4 COPING AT METAL CANOPY
SCALE: 1-1/2" = 1'-0" TPO



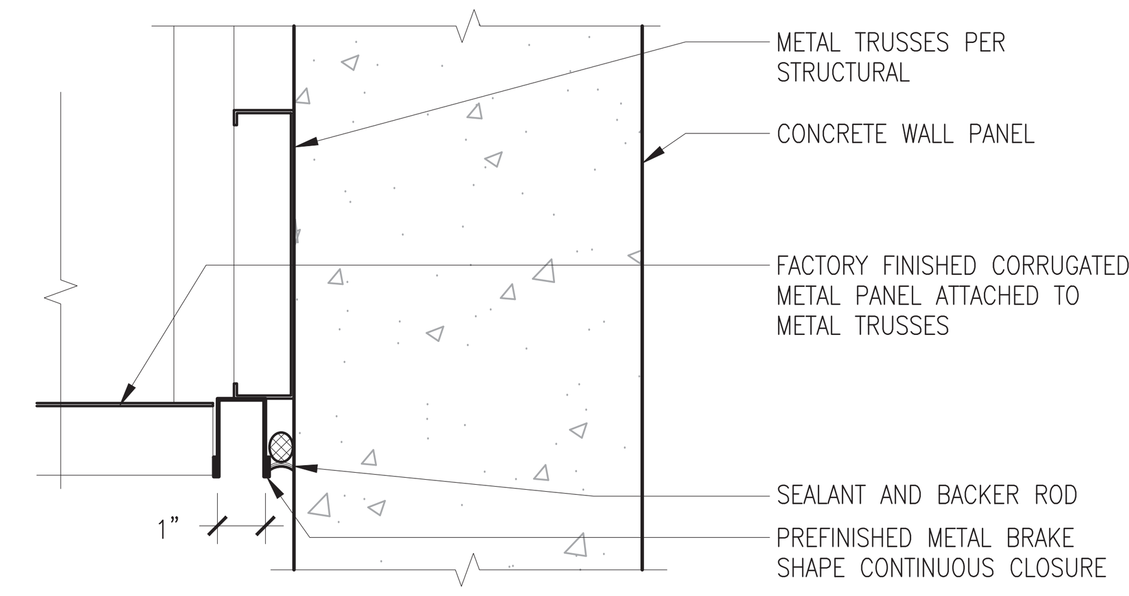
5 FEATURE PANEL ELEVATION
SCALE: 1" = 1'-0"



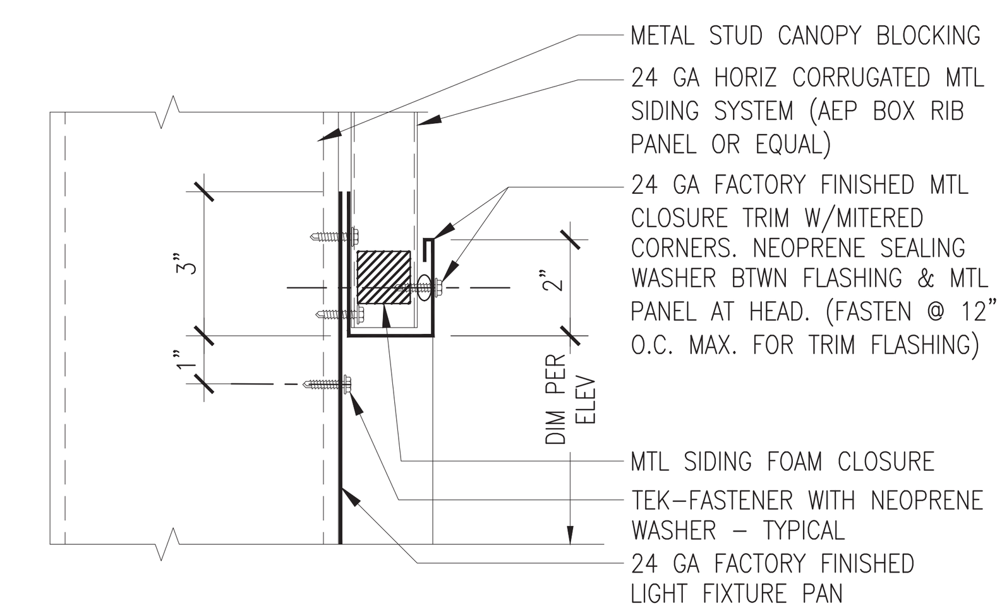
9 METAL PANEL AT RECESSED DOCK
SCALE: 3" = 1'-0" SECTION



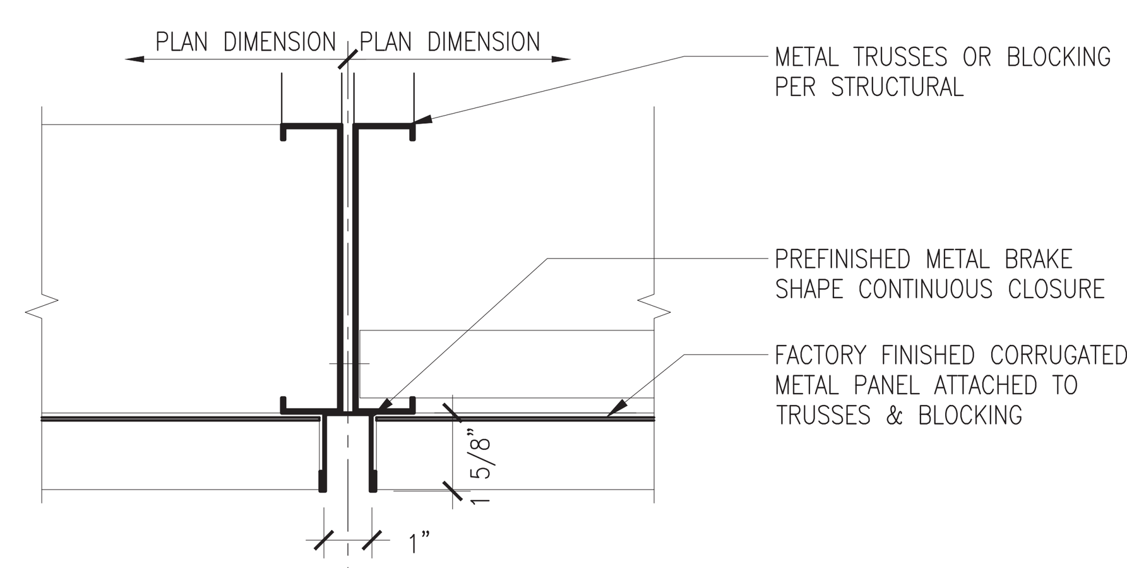
10 METAL FEATURE PANEL HEAD
SCALE: 3" = 1'-0"



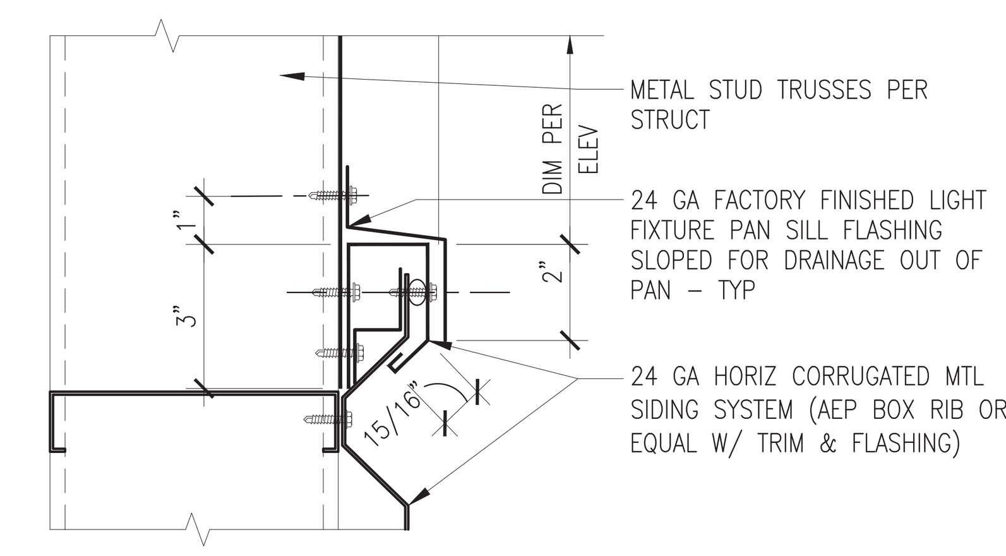
14 METAL PANEL AT RECESSED DOCK
SCALE: 3" = 1'-0" PLAN



15 METAL FEATURE PANEL JAMB
SCALE: 3" = 1'-0"



19 METAL PANEL VERTICAL JOINT
SCALE: 3" = 1'-0" 01/20



20 METAL FEATURE PANEL SILL
SCALE: 3" = 1'-0"

SYNTHESIS PLLC
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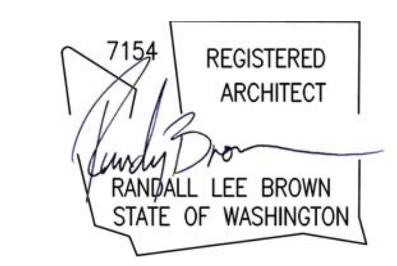
REVISIONS

ISSUE NO.	DATE	ITEM
2	01 31 24	PERMIT SUBMITTAL
1	10 14 22	SEPA RESUBMITTAL
D	11 01 21	DESIGN REVIEW APPLICATION
C	09 15 21	PRELIMINARY BID
B	03 19 21	SEPA APPLICATION
A	01 05 21	PRE-APPLICATION

PROFESSIONAL STAMP



Digitally signed by Randy Brown
Date: 2024.02.01 09:16:17 -08'00'

PROJECT INFORMATION

BUILDING A
Freeman Road Logistics
Puyallup, WA

SHEET INFORMATION

RELEASE FOR: PERMIT SUBMITTAL
TITLE: EXTERIOR DETAILS

DESIGNED BY:
DRAWN BY:
REVIEWED BY:
APPROVED BY:
DATE: 01 05 21
SHEET NO: A8.1
PROJECT NO: 201401.13.031

www.synthesispllc.com

(**SHOP DRAWINGS** CONTINUED)
SHOP DRAWINGS ARE AN AID FOR FIELD PLACEMENT AND ARE SUPERSEDED BY THE STRUCTURAL DRAWINGS. IT SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO MAKE CERTAIN THAT ALL CONSTRUCTION IS IN FULL AGREEMENT WITH THE LATEST STRUCTURAL DRAWINGS.

SPECIAL CONDITIONS:
THE DRAWINGS INDICATE THE STRUCTURE IN ITS FINAL CONDITION. DURING CONSTRUCTION THE CONTRACTOR SHALL PROVIDE ADEQUATE SHORING, BRACING, AND GUYING IN ACCORDANCE WITH SOUND PRACTICE AND ALL NATIONAL, STATE, AND LOCAL CODES. CONTRACTOR TO COORDINATE ALL TRADES AND VERIFY DIMENSIONS IN FIELD. OBTAIN ARCHITECT'S APPROVAL PRIOR TO ALL FIELD CHANGES. SEE ARCHITECTURAL DRAWINGS FOR ALL FLOOR AND WALL OPENING DIMENSIONS AND LOCATIONS, FLOOR AND WALL FINISHES, ETC.

MECHANICAL, FIRE PROTECTION AND ELECTRICAL SYSTEMS:
IT SHALL BE THE GENERAL CONTRACTOR AND/OR SUB-CONTRACTOR'S RESPONSIBILITY TO PROVIDE ALL NECESSARY ENGINEERING AND CONSTRUCTION DOCUMENTS FOR THEIR SCOPE OF WORK. THIS SHALL INCLUDE THE DESIGN OF THEIR SYSTEM AND ANY REVIEW AND MODIFICATIONS OF THE BASIC STRUCTURAL SYSTEM SHOWN ON THESE CONSTRUCTION DOCUMENTS AS WELL AS ANY ADDITIONAL STRUCTURAL SUPPORT REQUIRED BY THEIR SYSTEM.

STAIRS:
STAIRS TO BE DESIGNED BY OTHERS. SHOP DRAWINGS ALONG WITH STRUCTURAL CALCULATIONS STAMPED BY A LICENSED WASHINGTON STATE PROFESSIONAL ENGINEER SHALL BE SUBMITTED FOR REVIEW PRIOR TO FABRICATION. STAIR STRINGERS SHALL BE C12 X 20.7 MINIMUM. STAIR LANDING SUPPORT POSTS SHALL BE HSS 3 X 3 X 3/16 MINIMUM.

(**GENERAL NOTES** CONTINUED)
PRECAST PANELS:
PANEL LIFTING STRESSES ARE TO BE CHECKED BY THE CONTRACTOR AND HE SHALL PROVIDE REINFORCING STEEL AS REQUIRED FOR HIS METHOD OF HANDLING AND ERECTION OF PRECAST PANELS. USE STRONGBACKS AS REQUIRED AT EXCESSIVE PANEL OPENINGS. CONTINUOUS GROUT BETWEEN PANELS AND FOOTINGS TO BE "EMBECO" MASTER FLOW #713 BY MASTER BUILDERS, INC. OR APPROVED EQUAL. SEE DRAWINGS FOR ADDITIONAL NOTES REGARDING PRECAST PANELS.

STATEMENT OF SPECIAL INSPECTIONS:
SPECIAL INSPECTIONS SHALL BE PERFORMED AS OUTLINED IN THE STRUCTURAL NOTES. TESTING SHALL BE IN ACCORDANCE WITH THE SPECIAL INSPECTION SECTION OUTLINED ON THIS DRAWING SHEET. A SEPARATE STATEMENT OF SPECIAL INSPECTIONS AS REQUIRED PER IBC SECTION 1705 SHALL BE PROVIDED BY OTHERS FOR ALL MATERIALS, SYSTEMS, COMPONENTS AND WORK NOT INCLUDED IN THE STRUCTURAL DRAWINGS.

SPECIAL INSPECTION FOR SEISMIC RESISTANCE:
SPECIAL INSPECTION FOR SEISMIC RESISTANCE IS REQUIRED FOR THE FOLLOWING COMPONENTS AND SYSTEMS:

1) ROOF TOP HVAC UNITS CONTAINING HAZARDOUS MATERIALS
2) WALL TIES
3) ROOF DIAPHRAGM
4) DRAG STRUTS
5) BRACE FRAMES
6) HOLD-DOWNS
7) CONCRETE WALL REINFORCING AND CONNECTIONS
8) FOUNDATION REINFORCING

CONTRACTORS RESPONSIBILITY (IBC SECTION 1704.4):
THE CONTRACTOR RESPONSIBLE FOR THE CONSTRUCTION OF THE MAIN WIND OR SEISMIC FORCE RESISTING SYSTEM, DESIGNATED SEISMIC SYSTEM, OR WIND/SEISMIC RESISTING COMPONENT LISTED IN THE STATEMENT OF SPECIAL INSPECTIONS SHALL SUBMIT A WRITTEN STATEMENT OF RESPONSIBILITY TO THE BUILDING OFFICIAL AND THE OWNER PRIOR TO COMMENCEMENT OF WORK ON THE SYSTEM OR COMPONENT. THE CONTRACTOR'S STATEMENT OF RESPONSIBILITY SHALL CONTAIN THE FOLLOWING:

1. ACKNOWLEDGMENT OF AWARENESS OF THE SPECIAL REQUIREMENTS CONTAINED IN THE STATEMENT OF SPECIAL INSPECTIONS;
2. ACKNOWLEDGMENT THAT CONTROL WILL BE EXERCISED TO OBTAIN CONFORMANCE WITH THE CONSTRUCTION DOCUMENTS APPROVED BY THE BUILDING OFFICIAL;
3. PROCEDURES FOR EXERCISING CONTROL WITHIN THE CONTRACTOR'S ORGANIZATION, THE METHOD AND FREQUENCY OF REPORTING AND DISTRIBUTION OF THE REPORTS; AND
4. IDENTIFICATION AND QUALIFICATIONS OF THE PERSON(S) EXERCISING SUCH CONTROL AND THEIR POSITION(S) IN THE ORGANIZATION.

SPECIAL INSPECTIONS:
SPECIAL INSPECTIONS PER IBC SECTION 1705. A COPY OF ALL INSPECTION REPORTS AND TEST RESULTS FOR ALL REQUIRED INSPECTIONS SHALL BE SUBMITTED TO THE BUILDING DEPARTMENT, SHUTLER CONSULTING ENGINEERS, THE OWNER AND THE ARCHITECT BY THE TESTING AGENCY FOR REVIEW. THE TESTING AGENCY SHALL BE AN INDEPENDENT TESTING AGENCY APPROVED BY THE BUILDING DEPARTMENT. THE FOLLOWING INSPECTIONS SHALL BE PROVIDED AS A MINIMUM; ADDITIONAL INSPECTIONS AS REQUIRED BY THE BUILDING DEPARTMENT SHALL ALSO BE PERFORMED. JOB SITE VISITS BY THE ENGINEER DO NOT CONSTITUTE INSPECTION. SPECIAL INSPECTION OF THE PANELIZED ROOF STIFFENER HANGERS SHALL BE PER THE DETAIL ON SHEET S-3.0.

SEE SPECIAL INSPECTION FREQUENCY TABLE ON THIS SHEET FOR BOTH ON SITE CONSTRUCTION AND OFF SITE FABRICATION .

SPRINKLER SUPPORT NOTES:
1A. ALL SPRINKLER PIPE LARGER THAN 3" NOMINAL DIAMETER IS TO BE CONSIDERED A "MAIN" FOR THE PURPOSE OF THESE NOTES.

B. THE BIDS FOR BOTH THE SPRINKLER AND JOISTS ARE TO INCLUDE ALL HANGERS, BRACES, ETC., AND ACCOUNT FOR THE LOADS INDICATED.

2A. ALL MAINS RUNNING PERPENDICULAR TO THE JOISTS ARE TO BE VERTICALLY SUPPORTED NO FARTHER APART THAN AT EVERY OTHER JOIST.

B. EACH JOIST THAT IS CROSSED BY A MAIN IS TO BE DESIGNED FOR THE VERTICAL SUPPORT LOAD BASED ON SUPPORTS AT EVERY OTHER JOIST.

5. ALL MAINS RUNNING PARALLEL TO THE JOISTS MUST BE:
A. PLACED MID-WAY BETWEEN TWO JOISTS AND BE TRAPEZED SO EACH JOIST SUPPORTS HALF THE LOAD.
B. SUPPORTED AT 10'-0" ON CENTER MAXIMUM.

4. USE THE FOLLOWING WEIGHTS FOR SPRINKLER VERTICAL SUPPORT DESIGN:

PIPE SIZE	*WT PER FOOT*	*HANGER VERTICAL LOAD EXAMPLE:*
8"	51#	GIVEN: 8" DIAMETER MAIN-- SUPPORTS AT 5' ON CENTER
6"	32#	FIND: HANGER DESIGN LOAD
5"	24#	SOLN: 51#/FT X 10' = 510#
4"	17#	ADDN'L PER NFPA #13 = 250#
3-1/2"	14#	TOTAL SUPPORT DESIGN LOAD = 760#/HGR

ALL HANGERS TO BE DESIGNED, SUPPLIED AND INSTALLED BY THE SPRINKLER SUPPLIER.

5. SPRINKLER LATERAL SWAY BRACING (AT 90 DEGREES TO MAIN) TO BE:
A. SPACED A MAXIMUM OF TWICE THE VERTICAL SUPPORT SPACING.
B. BRACED FROM THE MAIN TO A ROOF STRUCTURAL MEMBER WITH CONNECTIONS DESIGNED AND INSTALLED BY THE SPRINKLER SUPPLIER.
C. DESIGNED FOR A LATERAL LOAD OF THE WEIGHT PER FOOT OF HALF THE WATER FILLED PIPE WEIGHT TIMES THE SWAY BRACE SPACING.

6. THE SPRINKLER DESIGNER IS TO PROVIDE THE CONTRACTOR, ARCHITECT AND JOIST MANUFACTURER WITH DETAILS OF HANGER AND SWAY BRACE ATTACHMENTS WITH DESIGN LOADS, SO THESE LOADS CAN BE DESIGNED INTO THE JOISTS, ETC.

7. THE ROOF JOIST DESIGNER TO PROVIDE AND INSTALL ADDITIONAL BRACES TO TAKE THE SWAY BRACE LOAD FROM THE SWAY BRACE INTO THE ROOF DIAPHRAGM.

DEFERRED SUBMITTALS
THE FOLLOWING ITEMS ARE DEFERRED STRUCTURAL COMPONENTS SUBMITTALS. REFER TO ARCHITECTURAL, MECHANICAL ELECTRICAL AND CIVIL DRAWINGS FOR ADDITIONAL DEFERRED SUBMITTAL COMPONENTS.
1. STEEL JOIST AND GIRDERS
2. PRE-ENGINEERED STEEL STAIRS (SEE STAIR NOTES)
3. MECHANICAL AND ELECTRICAL COMPONENT CONNECTIONS & SUPPORTS

DOCUMENTS FOR DEFERRED SUBMITTALS SHALL BE SUBMITTED TO SHUTLER CONSULTING ENGINEERS, INC. WHO SHALL REVIEW THEM FOR GENERAL CONFORMANCE WITH THE DESIGN OF THE BUILDING. THE DEFERRED SUBMITTALS SHALL THEN SUBMITTED TO THE BUILDING DEPARTMENT BY THE GENERAL CONTRACTOR. DEFERRED SUBMITTAL ITEMS SHALL NOT BE INSTALLED UNTIL APPROVED BY THE BUILDING OFFICIAL.

SHOP DRAWINGS:
SHOP DRAWINGS FOR THE FOLLOWING ITEMS SHALL BE SUBMITTED TO THE ARCHITECT AND STRUCTURAL ENGINEER FOR REVIEW PRIOR TO FABRICATION. SHOP DRAWINGS CONSISTING OF REPRODUCTIONS OR COPIES OF ANY PORTIONS OF THE STRUCTURAL DRAWINGS WILL NOT BE ACCEPTED AS SHOP DRAWINGS NOR REVIEWED BY THE STRUCTURAL ENGINEER AS SUCH.
1) REINFORCING STEEL
a)structural concrete elements i.e. beams, walls, col, ftgs, etc.
2) STRUCTURAL STEEL ITEMS
3) STEEL JOISTS & GIRDERS

THE ENGINEER OF RECORD WILL REVIEW SHOP DRAWINGS FOR DESIGN INTENT ONLY. VERIFICATION OF DIMENSIONS AND QUANTITIES ARE THE RESPONSIBILITY OF THE CONTRACTOR AND ARE NOT GUARANTEED BY THE ENGINEER OF RECORD. DRAWINGS FOR COMPONENTS DESIGNED PRIMARILY BY THE MANUFACTURER SHALL BEAR THE STAMP OF A LICENSED WASHINGTON STATE PROFESSIONAL ENGINEER AND BE SUBMITTED TO THE STRUCTURAL ENGINEER FOR A CURSORY REVIEW FOR COMPLIANCE WITH THE INTENT OF THE STRUCTURAL DRAWINGS AND FOR LOADS IMPOSED ON THE BASIC STRUCTURE. THE COMPONENT DESIGNER IS RESPONSIBLE FOR CODE CONFORMANCE AND ALL NECESSARY CONNECTIONS NOT SPECIFICALLY CALLED OUT ON ARCHITECTURAL OR STRUCTURAL DRAWINGS. SHOP DRAWINGS MUST BE REVIEWED AND STAMPED BY THE CONTRACTOR PRIOR TO REVIEW BY THE ENGINEER.

(**SHOP DRAWINGS** CONTINUED ABOVE LEFT)

(**REINFORCING STEEL** CONTINUED)
MINIMUM LAP SPLICE LENGTHS FOR CONCRETE

BAR SIZE	f'_c=3500	f'_c=5000
#4	26"	23"
#5	33"	29"
#6	40"	34"
#7	58"	49"
#8	66"	56"
#9	74"	63"
#10	84"	70"
#11	93"	78"

THE FOLLOWING MINIMUM COVER SHALL BE PROVIDED FOR REINFORCEMENT (UNLESS INDICATED OTHERWISE ON DRAWINGS):

A) CONCRETE CAST AGAINST & PERMANENTLY EXPOSED TO EARTH.....3" EARTH FACE
B) CONCRETE EXPOSED TO EARTH OR WEATHER (CAST IN FORMS)
#6 THROUGH #18 BARS.....2"
#5 BARS & SMALLER.....1-1/2"
C) CONCRETE NOT EXPOSED TO WEATHER OR IN CONTACT WITH GROUND
SLABS, WALLS & JOIST - #11 BAR & SMALLER.....3/4"
BEAMS & COLUMNS.....1-1/2"
D) PRECAST PANELS
#8 BARS & SMALLER.....1" EXTERIOR FACE
#9 BARS & LARGER.....2" EXTERIOR FACE
(SEE ITEM 'C' ABOVE FOR INTERIOR FACE.)

WELDED REBAR:
WELDED REBAR TO BE GRADE 60 CONFORMING TO ASTM A706. (PREHEAT ALL GRADE 60 REBAR PRIOR TO WELDING.) USE FRESH E80XX LOW HYDOGEN ELECTRODES TO WELD GRADE 60 REINFORCING; CONFORM TO PROCEDURES OF AWS D1.4, RECOMMENDED PRACTICES FOR WELDING REINFORCING STEEL. SEE SPECIAL INSPECTION PROGRAM. REINFORCING TO BE WELDED SHALL NOT HAVE CARBON CONTENT IN EXCESS OF .35%. ALL WELDS TO BE BY WABO CERTIFIED WELDERS.

STRUCTURAL STEEL:
RECTANGULAR AND SQUARE HSS SECTIONS SHALL CONFORM TO ASTM A500, GRADE C (Fy = 50,000 psi). STRUCTURAL STEEL FOR WIDE FLANGE BEAMS SECTIONS SHALL CONFORM TO ASTM A992, GRADE 50 (Fy = 50,000 psi). ALL OTHER STRUCTURAL STEEL SHALL CONFORM TO ASTM A36 (Fy = 36,000 psi) OR ASTM A992 GRADE 50 (Fy = 50,000 psi). APPLY PRIMER COATS PER ARCHITECTURAL SPECIFICATIONS.

WELDS NOT SPECIFIED SHALL BE 3/16" CONTINUOUS FILLET MINIMUM. ALL WELDS TO BE IN ACCORDANCE WITH AWS D1.1 AND D1.8, AND BY WABO CERTIFIED WELDERS. USE FRESH E70XX LOW HYDROGEN ELECTRODES. ALL STRUCTURAL WELDS SHOULD BE CONSIDERED PART OF THE SEISMIC FORCE RESISTING SYSTEM AND SHALL BE MADE WITH FILLER METAL PRODUCING WELDS WITH A MINIMUM CHARPY V-NOTCH TOUGHNESS OF 20 FT-LBS AT 0 DEGREES-F AS DETERMINED BY THE APPLICABLE AWS A5 CLASSIFICATION TEST METHOD. DEMAND CRITICAL WELDS, AS SHOWN ON THE STRUCTURAL DRAWINGS, SHALL MEET THE REQUIREMENTS OF D1.8. THE CONTRACTOR SHALL SUBMIT TO THE BUILDING OFFICIAL A WELDING PROCEEDURE SPECIFICATION THAT VERIFIES THESE REQUIREMENTS.

MISCELLANEOUS STEEL CONNECTORS TO BE SIMPSON, OR APPROVED EQUAL. NAIL ALL HOLES WITH NAILS AS SPECIFIED BY MANUFACTURER UNLESS SHOWN OTHERWISE ON DRAWINGS. ALL NAILS ATTACHING TO PRESSURE TREATED WOOD MEMBERS SHALL BE HOT DIPPED GALVANIZED.

MACHINE BOLTS TO BE A307.

HIGH STRENGTH BOLTS FOR STEEL TO STEEL CONNECTIONS SHALL BE ASTM A325N OR ASTM A490, INSTALLATION AND SPECIAL INSPECTION PER AISC SPECIFICATIONS. ALL A325N OR A490 BOLTS SHALL BE PRETENSIONED IN STANDARD BOLT HOLES UNLESS NOTED OTHERWISE ON PLANS. MINIMUM BOLT PRETENSION PER AISC 16.1 TABLE J3.1 UNLESS NOTED OTHERWISE. ACCEPTABLE PRETENSIONING METHODS ARE TURN-OF-NUT, CALIBRATED WRENCH, TWIST-OFF-TYPE (ASTM F3125), OR DIRECT-TENSION INDICATOR (ASTM F959) PER AISC SPECIFICATIONS.

STEEL JOISTS AND JOIST GIRDERS:
STEEL JOISTS ARE TO BE DESIGNED AND FABRICATED IN ACCORDANCE WITH THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION SPECIFICATIONS AND STANDARD SPECIFICATIONS FOR STEEL JOISTS AS ADOPTED BY THE STEEL JOIST INSTITUTE. A CERTIFICATION OF COMPLIANCE SHALL BE PROVIDED AT THE COMPLETION OF FABRICATION. JOIST MANUFACTURER TO PROVIDE ALL BRIDGING AND BLOCKING, BOTH PERMANENT AND ERECTION. SHOP DRAWINGS AND DESIGN CALCULATIONS, STAMPED BY A LICENSED WASHINGTON STATE PROFESSIONAL ENGINEER, ARE TO BE SUBMITTED FOR REVIEW PRIOR TO FABRICATION. SHOP DRAWINGS WILL NOT BE REVIEWED UNLESS THEY BEAR THE STAMP OF A LICENSED WASHINGTON STATE STRUCTURAL ENGINEER AND CALCULATIONS STAMPED BY THE SAME ENGINEER ARE SUBMITTED ALONG WITH THE SHOP DRAWINGS. DESIGN CRITERIA SHALL MEET OR EXCEED THE FOLLOWING:

ROOF JOIST.....LOADING -- TOP CHORD.....25 PSF L.L. PLUS
9 PSF D.L.
5 PSF D.L. (SOLAR)
-- BOTTOM CHORD.....6 PSF D.L.

ROOF JOIST.....DEFLECTION -- LIVE LOAD.....L/360
-- TOTAL LOAD.....L/240

STEEL JOIST SUPPLIERS NOTE:
THE JOIST CONFIGURATIONS, INCLUDING DEPTHS AND SPACING, SHOWN ON THE DRAWINGS INDICATE THE DESIRED JOIST CONFIGURATION AND ARE TO BE COMPLIED WITH WHEREVER POSSIBLE. IF A JOIST MANUFACTURER IS UNABLE TO MEET THE LOAD REQUIREMENTS SPECIFIED WITH THE JOIST CONFIGURATION INDICATED, HE OR SHE IS TO SUBMIT WRITTEN NOTICE TO THAT AFFECT TO THE ARCHITECT PRIOR TO SUBMITTING A COST PROPOSAL OR BID.

IF A DIFFERENT SYSTEM IS PROPOSED THAT REQUIRES REVISIONS TO PRESENT STRUCTURAL FRAMING OR DETAILS, SUCH SYSTEM SHALL BE CONSIDERED SUBJECT TO THE APPROVAL OF THE OWNER, ARCHITECT AND ENGINEER.

WHERE IT IS NECESSARY TO BUTT OPPOSITE JOISTS OVER A NARROW SUPPORT WITH BEARING LENGTH LESS THAN MINIMUM REQUIREMENT, SPECIAL END CONDITIONS (SHORT BEARING LENGTH) SHALL BE DESIGNED BY THE JOIST MANUFACTURER PER SJI SPECIFICATION SECTION 104.4(b).

IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR AND JOIST MANUFACTURER TO VERIFY THE WEIGHT AND LOCATIONS OF ALLSPRINKLER LINES AND MECHANICAL EQUIPMENT PRIOR TO SUBMITTING SHOP DRAWINGS. IT SHALL BE NOTED IN THE JOIST MANUFACTURER'S BID WHETHER OR NOT AN ALLOWANCE HAS BEEN MADE FOR FOR THESE ITEMS.

FRAMING LUMBER: REFERENCE DESIGN VALUES
STEEL JOIST PURLIN NAILERS.....D.F. #2.....Fb = 900 psi
2x, 3x, 4x MEMBERS.....D.F. #2.....Fb = 900 psi

LUMBER NOT NOTED SHALL BE D.F. #2 OR BETTER.

ALL GRADES SHALL CONFORM TO WWPA WESTERN LUMBER GRADING RULES -- 2021 EDITION. ALL BOLTS HEADS AND NUTS BEARING AGAINST WOOD SHALL BE PROVIDED WITH STANDARD CUT WASHERS EXCEPT AS NOTED FOR ANCHOR BOLTS UNDER STRUCTURAL STEEL SECTION. ALL WOOD IN CONTACT WITH CONCRETE OR MASONRY SHALL BE PRESSURE TREATED. MAXIMUM MOISTURE CONTENT 19% AT INSTALLATION FOR ALL LUMBER.

WOOD SHEATHING:
ROOF SHEATHING.....15/32" OSB OR 15/32" CDX PLYWOOD STRUCTURAL I RATED PANELS WITH STRENGTH AXIS PERPENDICULAR TO SUPPORTS W/EXTERIOR GLUE.....INDEX 32/16

ALL PLYWOOD SHALL CONFORM TO U.S. PRODUCT STANDARD PS 1-09. ALL O.S.B. SHALL CONFORM TO U.S. PRODUCT STANDARD PS 2-18. NAILING SHALL BE AS INDICATED ON PLAN. HIGH SHEAR DIAPHRAGMS SHALL HAVE SPECIAL INSPECTIONS AS OUTLINED BELOW. CONTRACTOR IS TO CALL THE ENGINEER TO SCHEDULE SITE VISIT PRIOR TO COVERING ROOF SHEATHING.

(**GENERAL NOTES** CONTINUED ABOVE LEFT)

GENERAL NOTES

CODE: INTERNATIONAL BUILDING CODE, 2018 EDITION

BUILDING RISK CATEGORY = II

LIVE LOADS:
UNIFORM LOADS:

LOCATION	LIVE LOAD	REDUCIBLE
SLAB ON GRADE	(SEE SLAB ON GRADE NOTES)	
ROOF	25 PSF (SNOW)	NO

SNOW LOAD DATA:
Pg = 20 PSF — Pf = 25 PSF (WITHOUT DRIFT)
Ce = 0.9 — Pd = N/A
Ct = 1.0 — W = N/A
Is = 1.0

WIND DESIGN INFORMATION:
WIND LOADS ON THE MAIN WIND-FORCE RESISTING SYSTEM (MWFRS) WAS DETERMINED USING THE ENVELOPE PROCEDURE.

WIND SPEED V_{ult} = 95 MPH V_{asd} = 74 MPH
EXPOSURE "B" λ= 1.09 K_d=1.00

SEISMIC DESIGN INFORMATION:
SEISMIC FORCE RESISTING SYSTEM IS A BEARING WALL SYSTEM WITH SPECIAL REINFORCED CONCRETE SHEAR WALLS. THE STRUCTURE WAS ANALYZED USING THE EQUIVALENT LATERAL FORCE PROCEDURE.
R = 5.0 — Ω_O = 2.0
S_s = 1.288 — S_{DS} = 0.858
S_1 = 0.443 — S_{D1} = 0.546
C_S = 0.172
I_E = 1.0
SITE SOIL CLASS = F
DESIGN SOIL CLASS PER GEOTECHNICAL REPORT: D
SEISMIC DESIGN CATEGORY = D
BASE SHEAR, V_{ULT} = 967 KIPS

FOUNDATIONS:
FOUNDATION DESIGN PER GEOTECHNICAL REPORT #T-8565 DATED AUGUST 11TH, 2021, BY TERRA ASSOCIATES, INC. ALL FOUNDATION WORK PER THIS REPORT. DESIGN CRITERIA INDICATED IN THE GEOTECHNICAL REPORT ARE AS FOLLOWS.

ALLOWABLE SOIL BEARING CAPACITY....2500 PSF
PASSIVE SOIL RESISTANCE.....300 PCF
ACTIVE SOIL PRESSURE.....35 PCF
COEFFICIENT OF FRICTION.....0.35

ALL EXTERIOR FOOTINGS TO BE A MINIMUM OF 18 INCHES BELOW LOWEST ADJACENT GRADE. SOILS ENGINEER TO INSPECT AND APPROVE FOUNDATION EXCAVATIONS PRIOR TO POURING. ALL FOOTINGS AND SLABS SHALL BEAR ON STRUCTURAL FILL. SEE THE SOILS REPORT FOR SPECIFIC FILL REQUIREMENTS, FILL PLACEMENT REQUIREMENTS, PRELOAD REQUIREMENTS AND ADDITIONAL INFORMATION.

SLABS ON GRADE:
THE SLAB ON GRADE FOR THIS PROJECT IS TYPICAL OF OTHER BUILDINGS WITH SIMILAR FLOOR LOADING AND SOIL CONDITIONS CONSTRUCTED IN THIS AREA. THE SLAB HAS NOT BEEN DESIGNED FOR ANY SPECIFIC LIVE LOAD AND HAS BEEN DETAILED TO MEET LOCAL INDUSTRY STANDARDS FOR SIMILAR BUILDINGS. NO CONSTRUCTION LOADS HAVE BEEN INCLUDED IN THE DESIGN OF THE FLOOR SLAB.

THE CONTRACTOR SHALL REVIEW WITH THE SOILS ENGINEER THE CONSTRUCTION LOADING OF THE SLAB AND SOILS BELOW. HE SHALL TAKE THE NECESSARY MEASURES TO INSURE THAT THE SLAB AND SOILS BELOW WILL NOT BE AFFECTED OR DAMAGED BY THE CONSTRUCTION LOADING. THE CONTRACTOR SHALL ADD ADDITIONAL CONCRETE, REINFORCING AND UPGRADE JOINT DETAILING AS REQUIRED FOR HIS LOADING.

CONTROL JOINTS SHALL BE SOFF CUT JOINTS PER THE DETAILS ON THE STRUCTURAL DRAWINGS. JOINTS SHALL BE CUT 0 TO 2 HOURS AFTER FINAL FINISH AT EACH JOINT LOCATION (AS SOON AS THE SLAB WILL SUPPORT THE SOFF CUT MACHINE AND OPERATOR). COMPLY WITH THE SOFF-CUT INTERNATIONAL, INC. INSTRUCTIONS FOR THE SOFF CUT SYSTEM. ALL JOINTS SHALL BE FILLED WITH MM-80 AS MANUFACTURED BY METZER MCGUIRE OR APPROVED EQUAL. THE JOINT FILLER SHALL BE INSTALLED IN CONFORMANCE WITH THE MANUFACTURER'S SPECIFICATIONS. INSTALL THE JOINT FILLER AS LONG AFTER THE SLAB HAS BEEN POURED AS POSSIBLE, BUT NOT LESS THAN 90 DAYS AFTER THE SLAB HAS BEEN POURED. THE JOINT SHALL BE CLEAN AND SOUND, AND FREE OF ALL OIL, DIRT, DEBRIS, PAINT AND ANY OTHER MATERIAL THAT MAY BE A BOND BREAKER. THE CONCRETE CURING COMPOUND MUST BE REMOVED PRIOR TO INSTALLING THE JOINT FILLER AND/OR SURFACE SEALER.

CONCRETE:
ALL CONCRETE SHALL BE STONE-AGGREGATE CONCRETE HAVING A UNIT WEIGHT OF APPROXIMATELY 145 POUNDS PER CUBIC FOOT. 28 DAY COMPRESSIVE STRENGTH SHALL BE AS FOLLOWS:

CONSTRUCTION	f'_c	EXPOSURE CLASS	MAX W/C RATIO	AIR CONTENT
PRECAST WALL PANELS	5,000 PSI	F0, S0, W0, C1	N/A	N/A
FOOTINGS	3,500 PSI	F0, S0, W0, C1	N/A	N/A
CAST IN PLACE WALLS	3,500 PSI	F0, S0, W0, C1	N/A	N/A
INTERIOR SLAB ON GRADE	3,500 PSI	F0, S0, W0, C0	N/A	N/A

DESIGN MIX FOR SLABS ON GRADE SHALL PROVIDE A MIX WITH A MAXIMUM SHRINKAGE OF 0.04% AT 28 DAYS.

CONCRETE IN ALL EXTERIOR SLABS TO BE AIR ENTRAINED 6% PLUS OR MINUS 1%.

CONCRETE SUBMITTALS SHALL CONFORM TO ACI 318 CHAPTER 26. MIXING AND PLACING OF ALL CONCRETE SHALL BE IN ACCORDANCE WITH THE IBC AND ACI CODE 318. PROPORTION OF AGGREGATE TO CEMENT SHALL BE AS SUCH TO PRODUCE A DENSE, WORKABLE MIX, WITH A MAXIMUM SLUMP OF 5 INCHES, WHICH CAN BE PLACED WITHOUT SEGREGATION OR EXCESS FREE SURFACE WATER. 3/4" CHAMFER ON ALL EXPOSED CONCRETE EDGES UNLESS INDICATED OTHERWISE ON ARCHITECTURAL DRAWINGS. GROUT FOR COLUMN BASES SHALL BE "HI-FLOW GROUT" AS MANUFACTURED BY THE EUCLID CHEMICAL CO. OR APPROVED EQUAL.

ANCHORAGE TO CONCRETE:
EXPANSION BOLTS INTO CONCRETE SHALL BE SIMPSON STRONG-BOLT **2** AS MANUFACTURED BY SIMPSON STRONG-TIE COMPANY, INC. SPECIAL INSPECTION AND INSTALLATION PER ICC-ES REPORT ESR-3037.

CONCRETE SCREW ANCHORS SHALL BE SIMPSON TITEN HD SCREW ANCHORS AS MANUFACTURED BY SIMPSON STRONG-TIE COMPANY, INC. SPECIAL INSPECTION AND INSTALLATION PER ICC-ES REPORT ESR-2713.

EPOXY FOR FASTENING ANCHOR BOLTS AND REBAR INTO EXISTING CONCRETE TO BE SIMPSON SET-3G EPOXY ADHESIVE AS MANUFACTURED BY SIMPSON STRONG-TIE COMPANY, INC. SPECIAL INSPECTION AND INSTALLATION PER ICC-ES REPORT ESR-4057.

ANCHOR RODS INTO CONCRETE SHALL BE GRADE 36 MANUFACTURED AND INSTALLED PER ASTM F1554. ALL ANCHOR RODS/BOLTS ATTACHING PRESSURE TREATED WOOD PLATES TO CONCRETE SHALL BE HOT DIPPED GALVANIZED. ALL ANCHOR BOLTS FOR SILL PLATES SHALL BE PROVIDED WITH 3" X 3" X 0.229" THICK (MIN) PLATE WASHERS.

ANCHORAGE SUBSTITUTIONS MUST BE APPROVED BY THE ENGINEER. ANCHORAGE SUBSTITUTION REQUESTS REQUIRE ADDITIONAL ENGINEERING SERVICES.

REINFORCING STEEL:
ALL REINFORCEMENT SHALL CONFORM TO ASTM A615. (SEE BELOW FOR WELDED REBAR). ALL REINFORCING SHALL BE GRADE 60 (Fy = 60,000 psi; Fs = 32,000 psi). LAP CONTINUOUS REINFORCING BARS IN CONCRETE AS INDICATED BELOW, CORNER BARS (1'-7" BEND) WILL BE PROVIDED FOR ALL HORIZONTAL REINFORCEMENT. DETAIL STEEL IN ACCORDANCE WITH THE ACI MANUAL OF STANDARD PRACTICE OF DETAILING REINFORCED CONCRETE STRUCTURES. WELDED HEAD STUDS SHALL COMPLY WITH AWS D1.1. AND STUD MATERIAL SHALL COMPLY WITH ASTM A29 (Fy=65,000 psi).

REBAR FOR TILT-UP PANELS SHALL BE A706. A615 REBAR IS ACCEPTABLE IF MILL TESTS SHOW: 1) Fy DOES NOT EXCEED 60,000 psi BY MORE THAN 18,000 psi, AND 2)THE RATIO OF ACTUAL TENSILE STRENGTH TO ACTUAL YIELD STRENGTH IS NOT LESS THAN 1.25.
(**REINFORCING STEEL** CONTINUED ABOVE LEFT)

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REVISIONS

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PROFESSIONAL STAMP

JOHN C. HEADLAND — STATE OF WASHINGTON — 31757 — STRUCTURAL ENGINEER — PROFESSIONAL ENGINEER

Digitally signed by John Headland
Date: 2024.02.06 11:41:43 -08'00'

PROJECT INFORMATION

BUILDING A
Freeman Road Logistics
Puyallup, WA

SHEET INFORMATION

RELEASE FOR:
TITLE: GENERAL NOTES
DESIGNED BY: JH — DRAWN BY: AL, TM
REVIEWED BY: — APPROVED BY:
DATE: 8-30-2023
SHEET NO: S1.0
PROJECT NO: 21-40 — 1 OF 17

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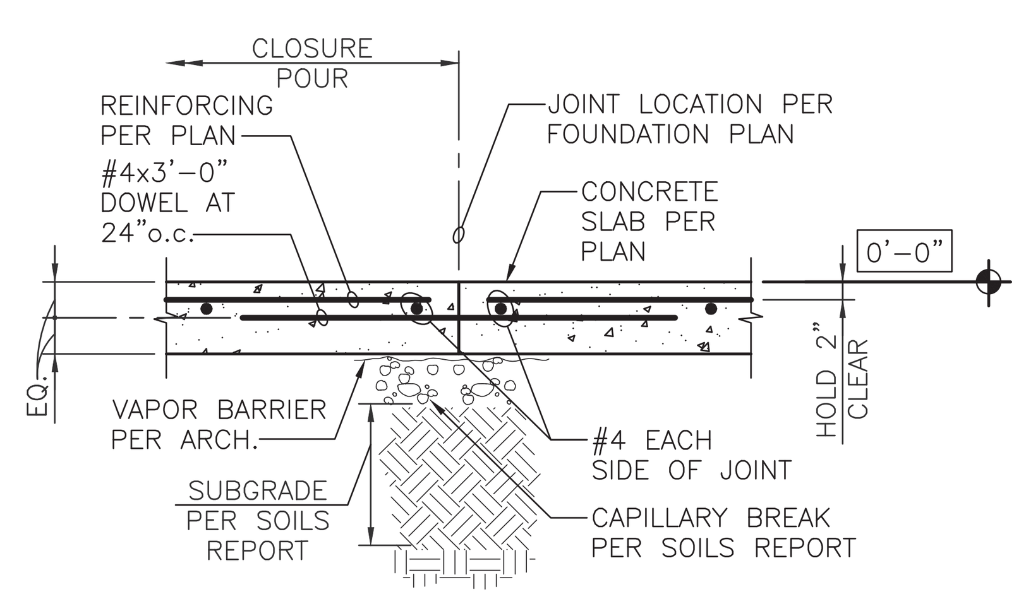
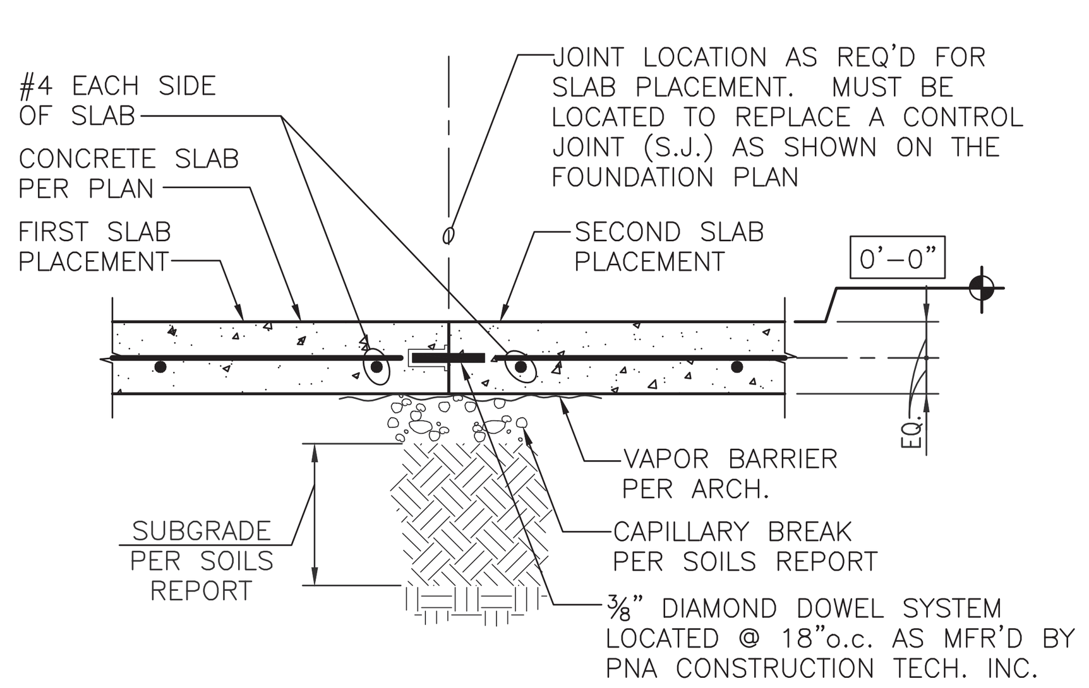
STRUCTURAL DRAWING ABBREVIATIONS:

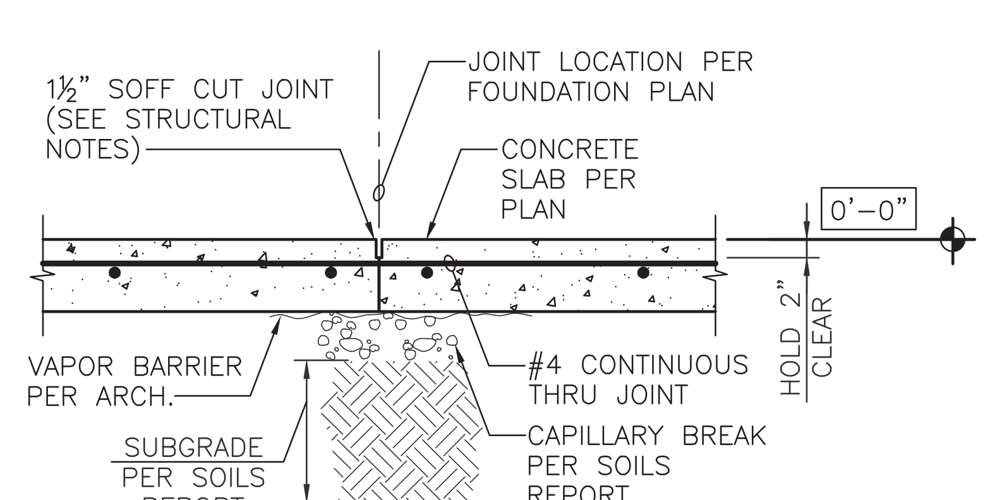
A.B.	ANCHOR BOLT	LBS/#	POUNDS
ADJ.	ADJACENT	LF	LINEAR FOOT
A.F.F.	ABOVE FINISHED FLOOR	L.L.	LIVE LOAD
ALT.	ALTERNATE	LLH	LONG LEG HORIZONTAL
APPROX.	APPROXIMATELY	LLV	LONG LEG VERTICAL
ARCH.	ARCHITECTURAL	LSH	LONG SLOTTED HOLE
BM	BEAM	LSL	TIMBERSTRAND
BLDG	BUILDING	LVL	MICROLLAM
BLKG	BLOCKING	M.B.	MACHINE BOLT
BRC	BRACING	M.B.S.	METAL BUILDING SUPPLIER
BRG	BEARING	MAX.	MAXIMUM
BTWN	BETWEEN	MECH.	MECHANICAL
BOT.	BOTTOM	MEZZ.	MEZZANINE
CA	CAMBER	MFR	MANUFACTURER
C.A.	CENTER-TO-CENTER	MTL	METAL
C.I.P.	CAST-IN-PLACE	MIN.	MINIMUM
C.J.	CONSTRUCTION JOINT	MISC.	MISCELLANEOUS
℄	CENTERLINE	N.I.C.	NOT IN CONTRACT
CLG	CEILING	(N)	NEW
CLR	CLEAR	NO.	NUMBER
CMU	CONCRETE MASONRY UNIT	NOM.	NOMINAL
COL.	COLUMN	N.S.	NEAR SIDE
CONC.	CONCRETE	NTS	NOT TO SCALE
CONN.	CONNECTION	o.c.	ON CENTER
CONST.	CONSTRUCTION	O.D.	OUTSIDE DIAMETER
CONT.	CONTINUOUS	O.F.	OUTSIDE FACE
CONTR.	CONTRACTOR	OPNG	OPENING
COORD.	COORDINATE	OPP.	OPPOSITE
C.P.	COMPLETE PENETRATION	OSB	ORIENTED STRAND BOARD
C.S.	CLOSURE STRIP JOINT	OVS	OVERSIZED HOLE
d	PENNY SIZE	P	POST
DBL	DOUBLE	P.A.	POWDER ACTUATED
DET.	DETAIL	P.C.	PRECAST
DF	DOUGLAS FIR	PCF	POUNDS PER CUBIC FOOT
DIA./ø	DIAMETER	PEN.	PENETRATION
DIM.	DIMENSION	℘	PLATE
D.L.	DEAD LOAD	P.L.	PROPERTY LINE
D.O.	DITTO	PLYWD	PLYWOOD
DN	DOWN	PNL	PANEL
D.S.	DOWNSPOUT	PSF	POUNDS PER SQUARE FOOT
DWG	DRAWING	PSI	POUNDS PER SQUARE INCH
DWL	DOWEL	PSL	PARALLAM
(E)	EXISTING	PT	POINT
EA.	EACH	P.T.	PRESSURE TREATED
EL./ELEV.	ELEVATION	R.D.	ROOF DRAIN
EQ.	EQUAL	R.O.	ROUGH OPENING
EQUIP.	EQUIPMENT	REINF.	REINFORCING
E.A.	EACH FACE	REQ'D	REQUIRED
E.S.	EACH SIDE	REV.	REVISION
E.W.	EACH WAY	RTN	RETURN
EXP.	EXPANSION	SCHED.	SCHEDULE
EXT.	EXTERIOR	SECT.	SECTION
F.B.	FLUSH BEAM	SHT.	SHEET
F.D.	FOOTING DRAIN	SHTHG	SHEATHING
FDN	FOUNDATION	SIM.	SIMILAR
FIN.	FINISH	S.J.	SHRINKAGE CONTROL JOINT
FLG	FLANGE	S.O.G.	SLAB ON GRADE
FLR	FLOOR	SP.	SPACE
F.O.C.	FACE OF CONCRETE	SPEC.	SPECIFICATION
F.O.F.	FACE OF FINISH	SQ.	SQUARE
F.O.S.	FACE OF STUD	SSH	SHORT SLOTTED HOLE
F.P.	FULL PENETRATION	STD	STANDARD
F.S.	FAR SIDE	STIFF.	STIFFENER
FT	FOOT	STL	STEEL
FTG	FOOTING	STRUCT.	STRUCTURAL
GA.	GAGE	SYM	SYMMETRICAL
GALV.	GALVANIZED	T&B	TOP & BOTTOM
G.L.	GLULAM	T&G	TONGUE & GROOVE
GLB	GLULAM BEAM	THK	THICKNESS
GR.	GRADE	TJI	TRUS JOIST
GWB	GYPSUM WALL BOARD	T.O.C.	TOP OF CONCRETE
HD	HOLDOWN	T.O.F.	TOP OF FOOTING
HDR	HEADER	T.O.J.	TOP OF JOIST
HORIZ.	HORIZONTAL	T.O.W.	TOP OF WALL
HSS	HOLLOW STRUCTURAL STEEL	U.N.O.	UNLESS NOTED OTHERWISE
HT	HEIGHT	VERT.	VERTICAL
IBC	INTERNATIONAL BUILDING CODE	w/	WITH
I.D.	INSIDE DIAMETER	WF	WIDE FLANGE
I.F.	INSIDE FACE	w/o	WITHOUT
IN.	INCH	WD	WOOD
INFO.	INFORMATION	W.H.S.	WELD HEAD STUD
INT.	INTERIOR	WP	WORK POINT
JST	JOIST	WT	STRUCTURAL TEE
K	KIP (1000 lbs)	W.W.F.	WELDED WIRE FABRIC
KSI	KIPS PER SQUARE INCH		
KSF	KIPS PER SQUARE FOOT		



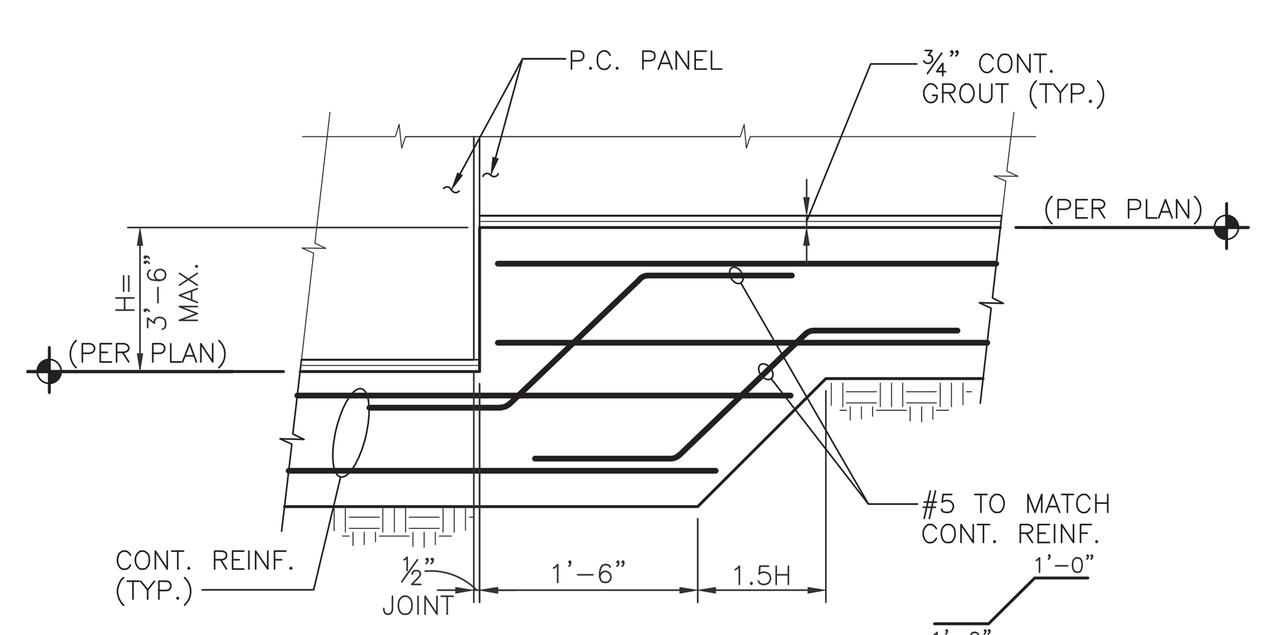
CLOSURE STRIP JT. (C.S.)



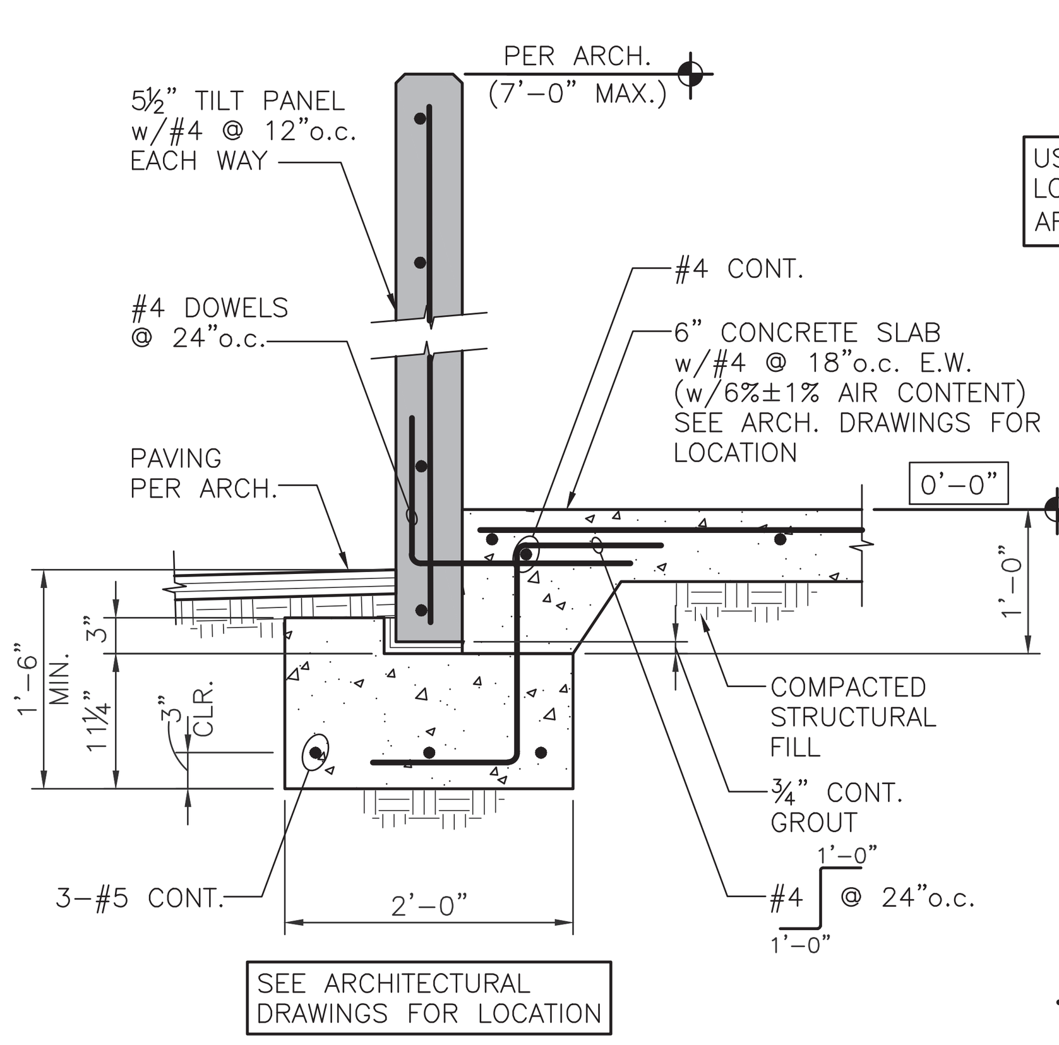
CONSTRUCTION JOINT (C.J.)



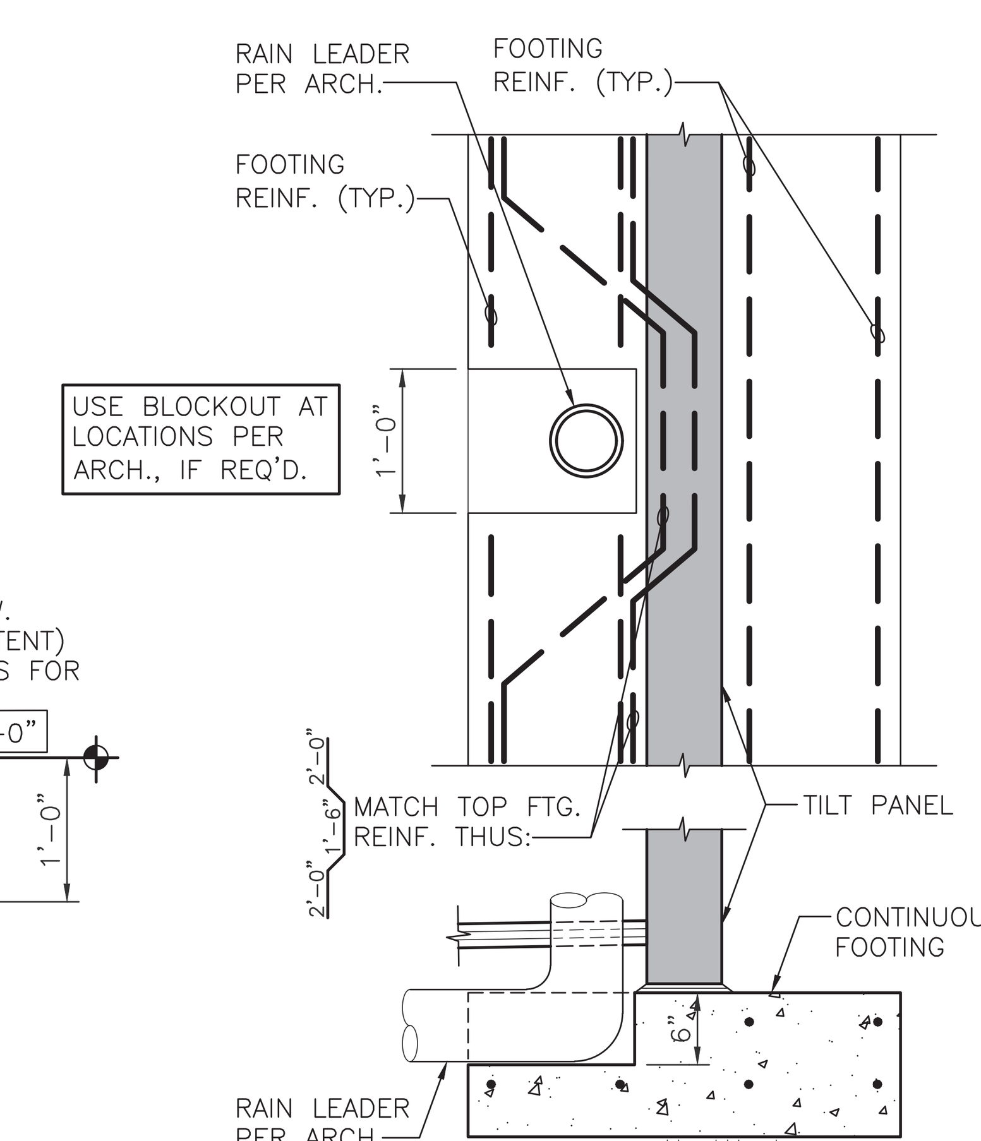
CONTROL JOINT (S.J.)



TYP. STEP FOOTING DETAIL



DUMPSTER DETAIL



TYPICAL FOOTING BLOCK-OUT AT DRAIN LEADERS

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2/6/2024

PROJECT INFORMATION

BUILDING A
Freeman Road Logistics
Puyallup, WA

SHEET INFORMATION

RELEASE FOR:
TITLE: SPECIAL INSPECTIONS, ABBREVIATIONS LIST, SECTIONS & DETAILS
DESIGNED BY: JH DRAWN BY: AL, TM
REVIEWED BY: APPROVED BY:
DATE: 8-30-2023
SHEET NO: S1.01
PROJECT NO: 21-40 2 OF 17

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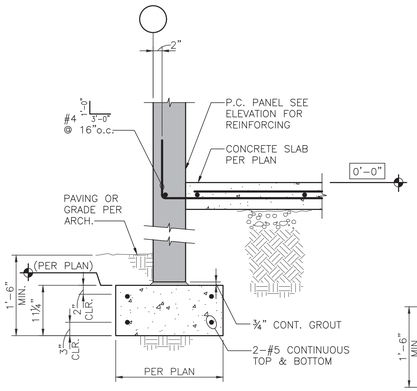

SECTION A–1.1

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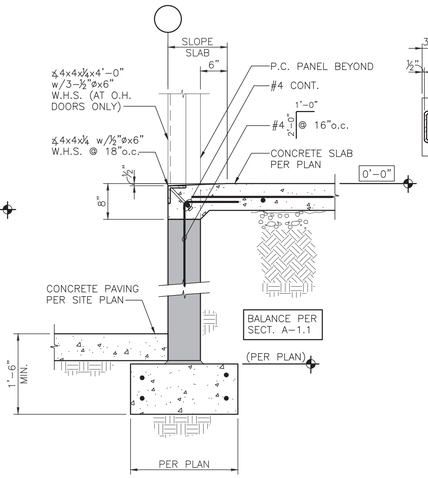

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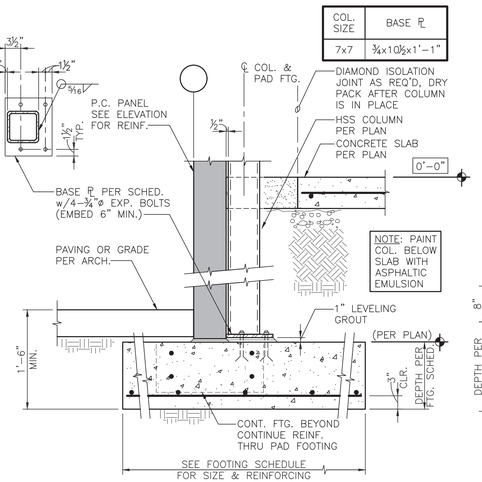

SECTION C–1.1

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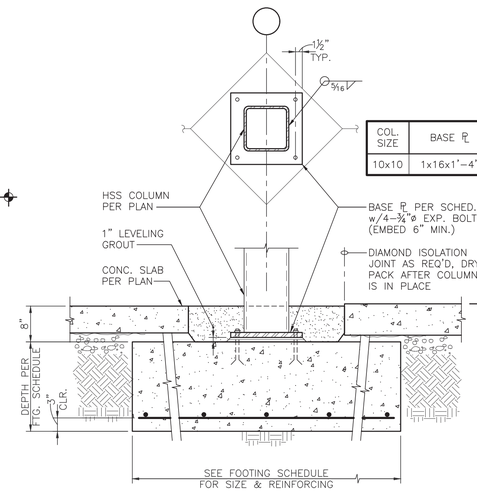

SECTION D–1.1

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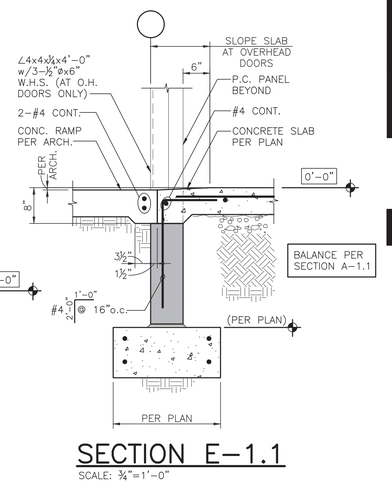

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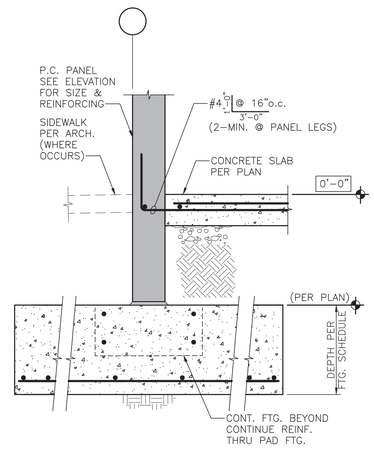

SECTION F–1.1

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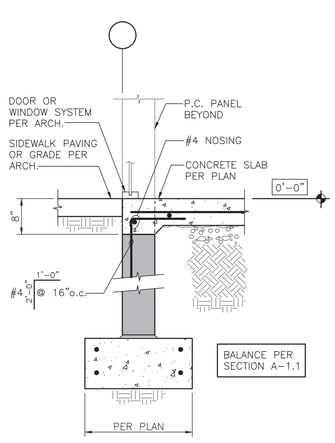

SECTION G–1.1

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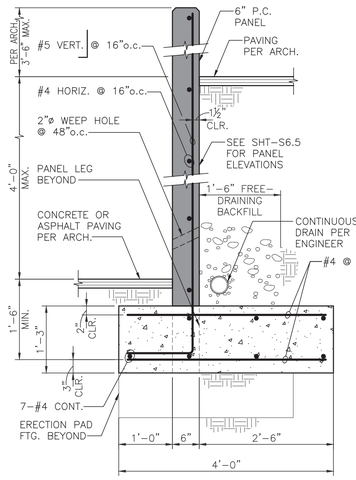

SECTION H–1.1

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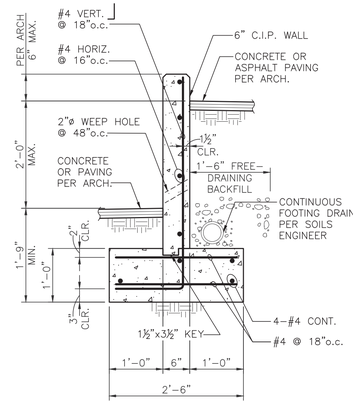

SECTION J–1.1

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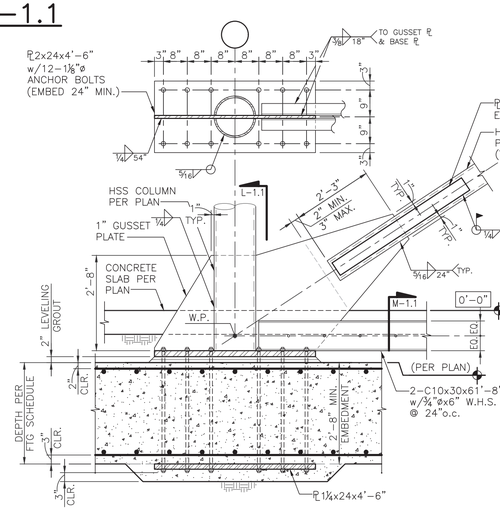
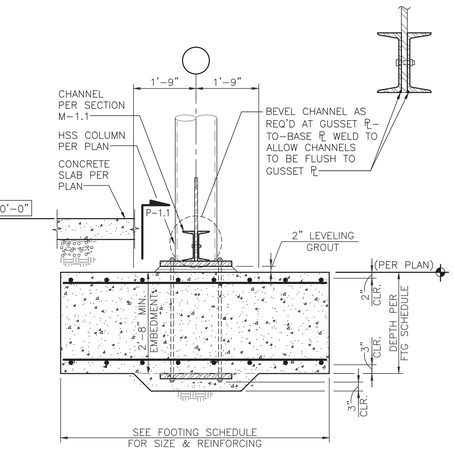


SECTION K–1.1

SCALE: ½"=1'–0"



SECTION L–1.1

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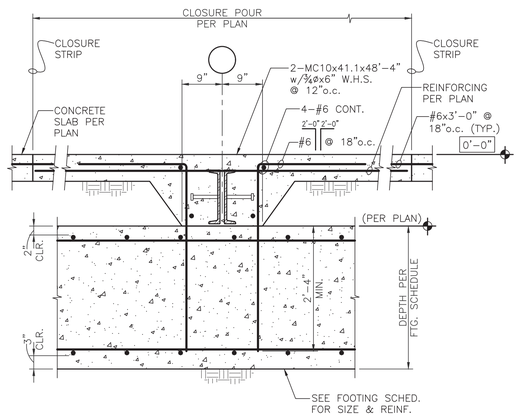

SECTION M–1.1

SCALE: ¾"=1'–0"

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2/6/2024

PROJECT INFORMATION

BUILDING A
Freeman Road Logistics
Puyallup, WA

SHEET INFORMATION

RELEASE FOR:
TITLE: FOUNDATION SECTIONS

DESIGNED BY: JH DRAWN BY: AL, TM
REVIEWED BY: APPROVED BY:
DATE: 8-30-2023
SHEET NO: S1.1
PROJECT NO: 21-40 3 OF 17

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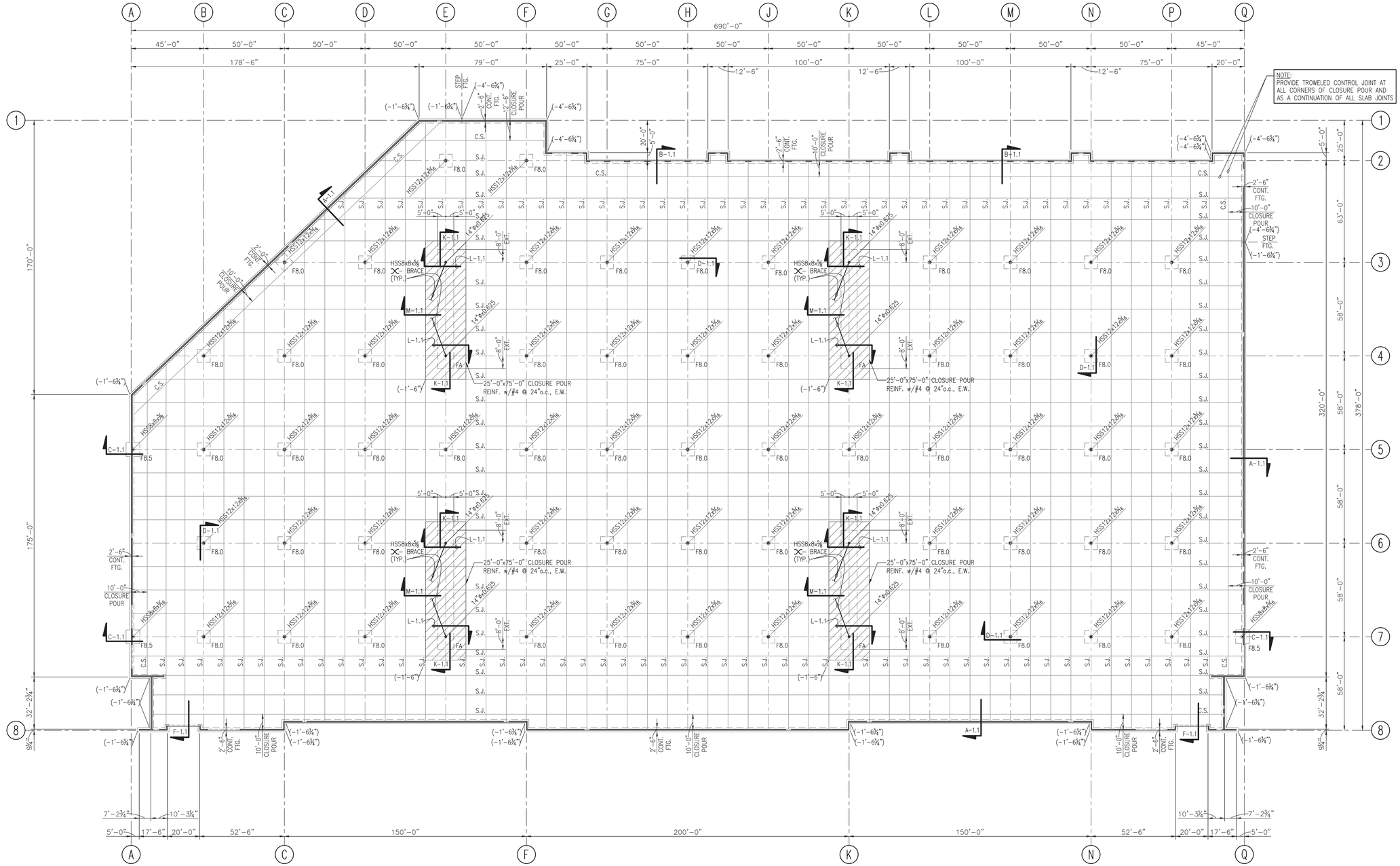
K:\21\21-40 Freeman Logistics - Bldg A\DWG\ARTS\S1.1\Shts_Model, 2/6/2024 10:20:01 AM, Andy, 1:1



N

FOUNDATION PLAN

SCALE: 1"=30'-0"

NOTES:

1) TOP OF FINISHED FLOOR SLAB 54.5' IS REFERENCE DATUM 0'-0".
2) ELEVATIONS SHOWN THUS: (-__'-__") INDICATE TOP OF FOOTING ELEVATION BELOW REFERENCE DATUM.
3) BOTTOM OF ALL EXTERIOR FOOTINGS SHALL BE 1'-6" MINIMUM BELOW LOWEST ADJACENT GRADE.
4) SEE SHEET S-1.0 FOR FOOTING & SLAB JOINT DETAILS.
5) SEE SHEET S-3.0 FOR FOOTING SCHEDULE.

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STATE OF WASHINGTON
51757
STRUCTURAL ENGINEER
PROFESSIONAL ENGINEER

2/6/2024

PROJECT INFORMATION

BUILDING A
Freeman Road Logistics
Puyallup, WA

SHEET INFORMATION

RELEASE FOR:
TITLE: FOUNDATION PLAN

DESIGNED BY: JH
DRAWN BY: AL, TM
REVIEWED BY:
APPROVED BY:
DATE: 8-30-2023
SHEET NO: S2.0
PROJECT NO: 21-40
4 OF 17

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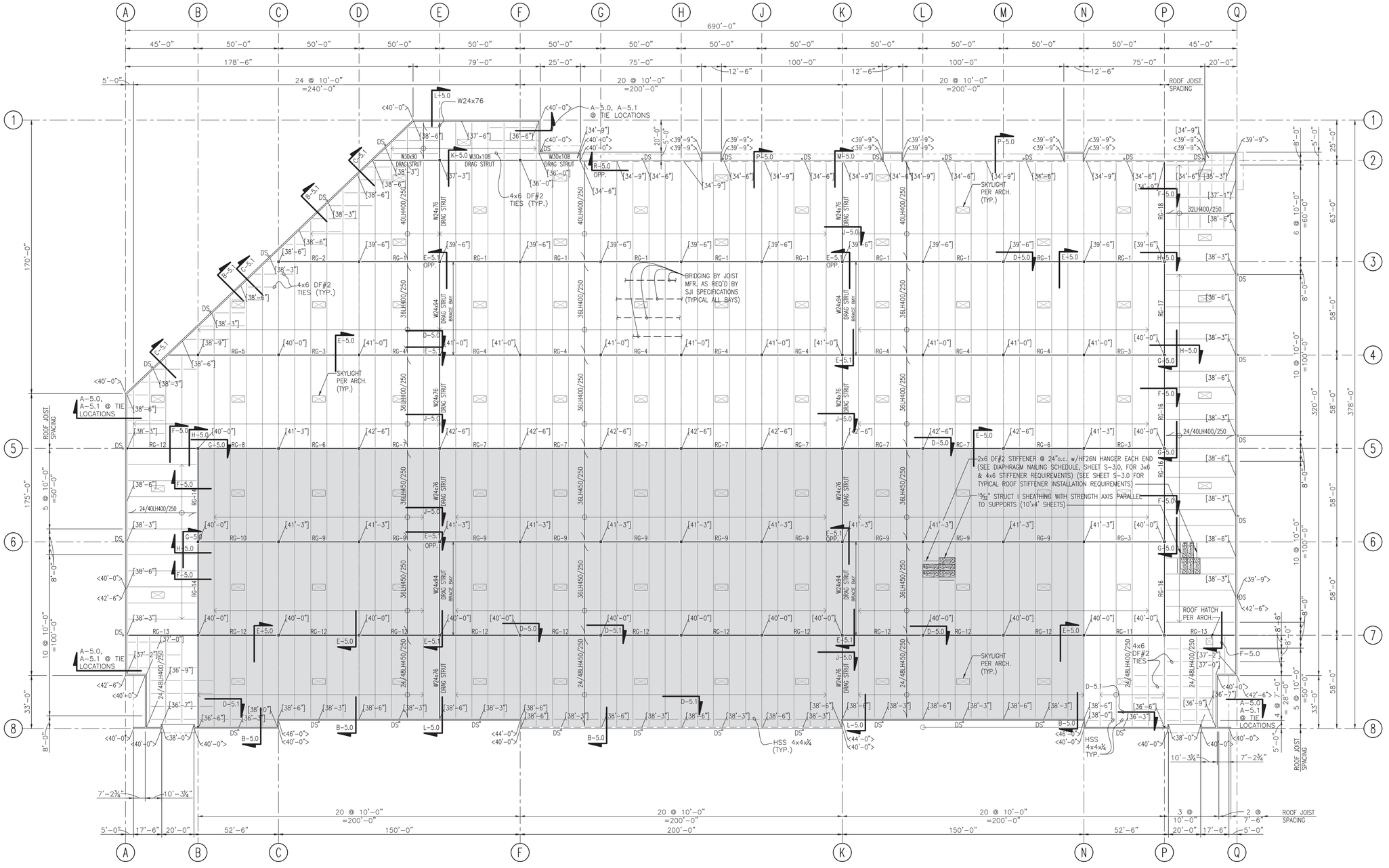

ROOF FRAMING PLAN

SCALE: 1"=30'-0"

NOTES:
1) ELEVATIONS SHOWN THUS: [__'-__"] INDICATE TOP OF FRAMING (BOTTOM OF SHEATHING) ABOVE REFERENCE DATUM.
2) ELEVATIONS SHOWN THUS: <__'-__"> INDICATE TOP OF PARAPET ELEVATIONS ABOVE REFERENCE DATUM.
3) MECHANICAL EQUIPMENT & DUCTS AND/OR PIPES & SPRINKLER SYSTEMS SHALL NOT BE SUSPENDED FROM OR SUPPORTED BY THE 2x6 STIFFENERS WITHOUT PRIOR CONSENT OF THE ENGINEER. ALL MECHANICAL EQUIPMENT ON THE ROOF SHALL BE REVIEWED BY THE ENGINEER PRIOR TO PLACEMENT. (SHOP DRAWINGS SHOWING THE SIZE, WEIGHT & LOCATION OF ALL MECANICAL EQUIPMENT & SPRINKLER LINES SHALL BE SUBMITTED TO THE ENGINEER PRIOR TO GIRDER FABRICATION).
4) MECHANICAL WEIGHTS ARE IN ADDITION TO THE TABULATED LOADINGS FOR THE JOIST & GIRDERS.
5) SEE SHEET S-3.0 FOR GIRDER SCHEDULE.
6) SEE SHEET S-3.1 FOR ROOF DIAPHRAGM NAILING SCHEDULE.
7) ROOF PURLINS SHALL BE DESIGNED FOR A 7.0 PSF MINIMUM NET UPLIFT.
8) DOUBLE PITCH ROOF PURLINS TO BE DESIGNED SO THAT THE MAX. DEPTH INDICATED ON PLANS ALIGNS WITH ROOF RIDGE.
9) THE ROOF STRUCTURE BETWEEN GRIDS ⑤ & ⑧ AND GRIDS Ⓑ & Ⓝ HAVE BEEN DESIGNED WITH 5.0 PSF ADDED FOR FUTURE SOLAR.

NOTE:
CONTRACTOR TO VERIFY WEIGHT & LOCATION OF ALL MECHANICAL UNITS & SPRINKLER MAINS PRIOR TO SUBMITTING ROOF TRUSS & GIRDER SHOP DRAWINGS.

DO NOT LOCATE SKYLIGHTS DIRECTLY OVER THE TOP OF A SPRINKLER HEAD

NOTE:
ROOF JOIST MANUFACTURER SHALL DESIGN ALL ROOF JOISTS FOR AN ADDITIONAL 500# POINT LOAD FOR HVAC ALLOWANCE. SEE DETAILS ON SHEET S-3.0. LOAD TO BE PLACED AT ANY JOIST PANEL POINT (UPPER OR LOWER, ONE POINT LOAD PER JOIST).

NOTE:
IN AREAS SHADED ▨ ROOF INCLUDES 5 PSF ADDITIONAL DEAD LOAD FOR SOLAR READINESS

CLEAR HEIGHT DIAGRAM

SCALE: 1"=300'

NOTES: 1) HEIGHTS SHOWN ARE FROM TOP OF SLAB TO BOTTOM OF ROOF STRUCTURE.

K:\21\21-40 Freeman Logistics - Bldg A\0DWG\SHT-S2-1\SHT-S2-1.dwg, Model, 2/6/2024 10:20:38 AM, Andy, 1:1

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JOHN C. HEADLAND
31757
2/6/2024

PROJECT INFORMATION

BUILDING A
Freeman Road Logistics
Puyallup, WA

SHEET INFORMATION

RELEASE FOR:
TITLE: ROOF FRAMING PLAN
DESIGNED BY: JH
DRAWN BY: AL, TM
REVIEWED BY:
APPROVED BY:
DATE: 8-30-2023
SHEET NO: S2.1
PROJECT NO: 21-40
5 OF 17

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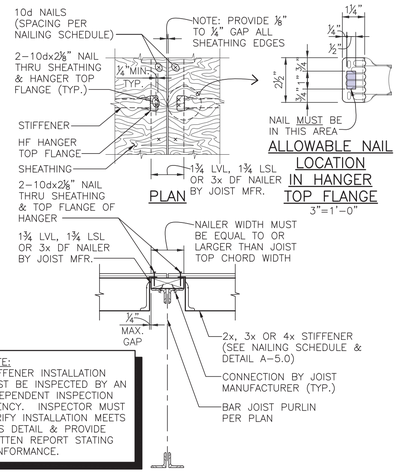


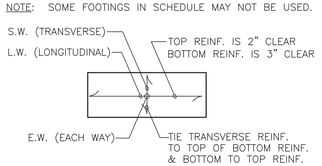
NOTE:
STIFFENER INSTALLATION MUST BE INSPECTED BY AN INDEPENDENT INSPECTION AGENCY. INSPECTOR MUST VERIFY INSTALLATION MEETS THIS DETAIL & PROVIDE WRITTEN REPORT STATING CONFORMANCE.

TYP. ROOF STIFFENER HANGER INSTALLATION REQUIREMENTS

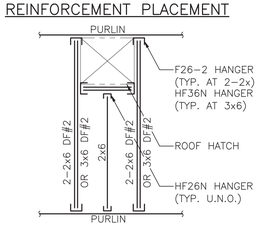
FOOTING SCHEDULE

MARK	SIZE	REINFORCEMENT
F4.0	4'–0"x4'–0"x1'–0"	4–#5 E.W., BOTTOM
F4.5	4'–6"x4'–6"x1'–0"	4–#5 E.W., BOTTOM
F5.0	5'–0"x5'–0"x1'–0"	5–#5 E.W., BOTTOM
F5.5	5'–6"x5'–6"x1'–2"	5–#6 E.W., BOTTOM
F6.0	6'–0"x6'–0"x1'–3"	5–#6 E.W., BOTTOM
F6.5	6'–6"x6'–6"x1'–4"	6–#6 E.W., BOTTOM
F7.0	7'–0"x7'–0"x1'–5"	7–#6 E.W., BOTTOM
F7.5	7'–6"x7'–6"x1'–6"	8–#6 E.W., BOTTOM
F8.0	8'–0"x8'–0"x1'–7"	7–#7 E.W., BOTTOM
F8.5	8'–6"x8'–6"x1'–8"	7–#7 E.W., BOTTOM
F9.0	9'–0"x9'–0"x1'–10"	8–#7 E.W., BOTTOM
F9.5	9'–6"x9'–6"x1'–11"	9–#7 E.W., BOTTOM
F10.0	10'–0"x10'–0"x2'–0"	10–#7 E.W., BOTTOM
FA	10'–0"x74'–0"x4'–0"	11–#10 L.W., TOP& BOTTOM #7 @ 12" o.c. S.W, TOP & BOT
FB	5'–0"x10'–0"x2'–0"	5–#7 L.W., TOP 10–#7 S.W., BOTTOM

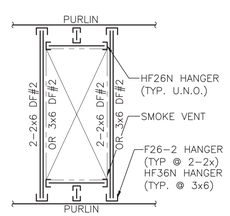
NOTE: SOME FOOTINGS IN SCHEDULE MAY NOT BE USED.



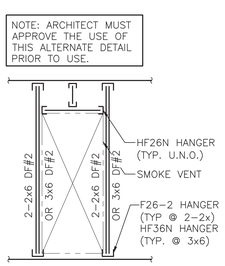
TYPICAL REINFORCEMENT PLACEMENT



ROOF HATCH FRAMING DETAIL

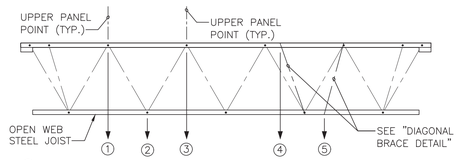


SKYLIGHT FRAMING DETAIL



ALTERNATE SKYLIGHT FRAMING DETAIL

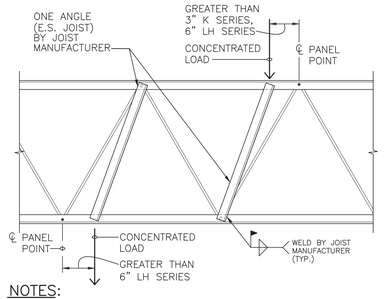
ALLOWABLE METHODS & LOCATIONS FOR HANGING LOADS FROM OPEN WEB STEEL JOISTS



1. HANG WITHIN 6" OF ANY UPPER PANEL JOINT.
2. HANG WITHIN 6" OF ANY LOWER PANEL JOINT.
3. TRAPEZE BETWEEN ANY PANEL JOINTS.
4. ADD AN ANGLE E.S. TO STIFFEN THE TOP CHORD. SEE "DIAGONAL BRACE DETAIL".
5. ADD AN ANGLE E.S. TO STIFFEN THE BOTTOM CHORD. SEE "DIAGONAL BRACE DETAIL".

NOTES:

1) DO NOT CUT OR DRILL THRU AMY JOIST MEMBER.
2) THIS DETAIL IS APPLICABLE TO LOADING FROM MECHANICAL EQUIPMENT, SPRINKLER PIPES, ETC.
3) ROOF JOISTS ARE DESIGNED TO SUPPORT AN EQUIVALENT UNIFORM COLLATERAL DEAD LOAD OF 6 POUNDS PER SQUARE FOOT (OF ROOF AREA) FOR THE SUPPORT OF SUSPENDED CEILINGS, DUCTS, SPRINKLER LINES, ETC. (15 PSF TOTAL DEAD LOAD).



NOTES:

1) WHERE CONCENTRATED LOADS ARE SUPPORTED BY JOIST CHORDS & ARE LOCATED MORE THAN 3" FROM A PANEL POINT CENTERLINE, FOR K SERIES JOIST OR 6" FOR LH SERIES JOIST, REINFORCE THE JOIST WITH AN ANGLE BY JOIST MANUFACTURER (E.S. JOIST), EXTENDING FROM THE POINT LOAD TO THE NEAREST PANEL POINT ON THE OPPOSITE CHORD.
2) REMOVE LOAD FROM JOIST PRIOR TO WELDING ANGLE.

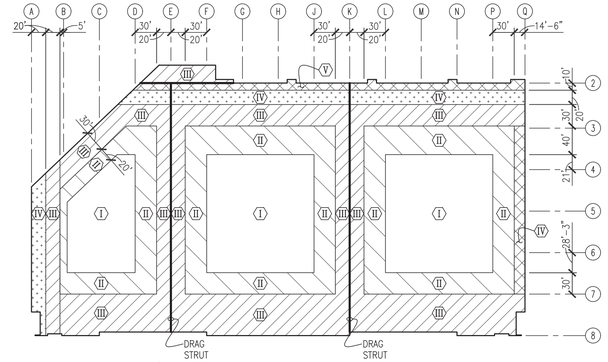
DIAGONAL BRACE DETAIL

HIGH SHEAR ROOF DIAPHRAGM NAILING SCHEDULE

MARK	SHEATHING THICKNESS & GRADE	STIFFENER AT PLYWOOD JOINT	NUMBER OF ROWS OF NAILS	NAIL SPACING ALONG CONTINUOUS PANEL EDGES	BOUNDARY NAILING	ALLOWABLE SHEAR
VI	15/32" STRUCT I	4x6	2	4"o.c.	2 ROWS @ 2½"o.c.	915#/FT

NOTES:

1) ALL NAILS TO BE 10d COMMON (.148ø x2" MINIMUM LENGTH).
2) SPACE NAILS @ 12"o.c. AT ALL INTERMEDIATE FRAMING MEMBERS.
3) PROVIDE 4x6 STIFFENER w/F46 HANGER EACH END AT ALL PANEL EDGES IN MARK (VI) .
4) PROVIDE 4x8 STIFFENER w/BA48 HANGER EACH END AT ALL SEISMIC STRAPS (SEE SECTION A–5.1). SEISMIC STRAPS NOT PERMITTED ON SHEATHING JOINT AT EXTERIOR WALL IN HIGH SHEAR DIAPHRAGM.
5) AT DRAG STRUT IN HIGH SHEAR NAILING REGION, PROVIDE 2 ROWS 10d COMMON @ 2½"o.c. STAGGERED EACH SIDE OF JOINT PER HIGH SHEAR DIAPHRAGM NAILING DETAIL.
6) HIGH–LOAD DIAHRAGMS MUST BE INSTALLED WITH SPECIAL INSPECTION. THE SPECIAL INSPECTOR MUST INSPECT THE STRUCTURAL WOOD PANEL SHEATHING TO ASCERTAIN WHETHER IT IS OF THE GRADE & THICKNESS SHOWN ON THE APPROVED BUILDING PLANS. ADDITIONALLY, THE SPECIAL INSPECTOR MUST VERIFY THE NOMINAL WIDTH OF FRAMING MEMBERS AT ADJOINING PANEL EDGES, THE NAIL DIAMETER AND LENGTH, THE NUMBER OF FASTENER LINES, THE SPACING BETWEEN FASTENERS IN EACH LINE AND AT EDGE MARGINS AGREE WITH THE APPROVED BUILDING PLANS.



N ROOF DIAPHRAGM NAILING DIAGRAM
SCALE: 1"=100'

ROOF DIAPHRAGM NAILING DIAGRAM

MARK	SHEATHING	STIFFENER AT PLYWOOD JOINT	CONTINUOUS EDGE	'OTHER' EDGE	ALLOWABLE SHEAR
I	15/32"	2x6	6"o.c.	6"o.c.	320#/FT
II	15/32"	2x6	4"o.c.	4"o.c.	425#/FT
III	15/32"	2x6	3"o.c.	3"o.c.	568#/FT
IV	15/32"	3x6	3"o.c.	3"o.c.	640#/FT
V	15/32"	3x6	2½"o.c. STAGGERED	2½"o.c. STAGGERED	720#/FT

NOTES:

1) ALL NAILS TO BE 10d COMMON (0.148"ø x2" MINIMUM LENGTH).
2) SPACE NAILS @ 12"o.c. AT ALL INTERMEDIATE FRAMING MEMBERS.
3) PROVIDE 2–ROWS 10d @ 4"o.c., STAGGERED AT ALL DIAPHRAGM BOUNDARIES.
4) PROVIDE 2–ROWS 10d COMMON @ 4"o.c. STAGGERED EACH SIDE OF JOINT AT DRAG STRUTS.
5) PROVIDE 4x8 STIFFENER w/BA48 HANGER EACH END AT ALL SEISMIC STRAPS (SEE SECTION A–5.1)
6) IF NAILS LONGER THAN 2" IN LENGTH ARE USED, THEN 3x6 STIFFENERS (WITH HF36N HANGERS EACH END) ARE REQUIRED AT PANEL EDGES IN MARK (III).
7) PROVIDE 3x6 STIFFENERS WITH HF36N HANGERS EACH END AT ALL PANEL EDGES IN MARK (IV) AND (V).
8) PROVIDE ⅛" TO ¼" GAP AT ALL SHEATHING EDGES.
9) SEE HIGH SHEAR ROOF DIAPHRAGM NOTES FOR ADDITIONAL NAILING REQUIREMENTS.

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REVISIONS

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	2-6-2023	PERMIT SET

PROFESSIONAL STAMP

JOHN C. HEADLAND — STATE OF WASHINGTON — 31757 — STRUCTURAL ENGINEER — PROFESSIONAL ENGINEER
2/6/2024

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Freeman Road Logistics
Puyallup, WA

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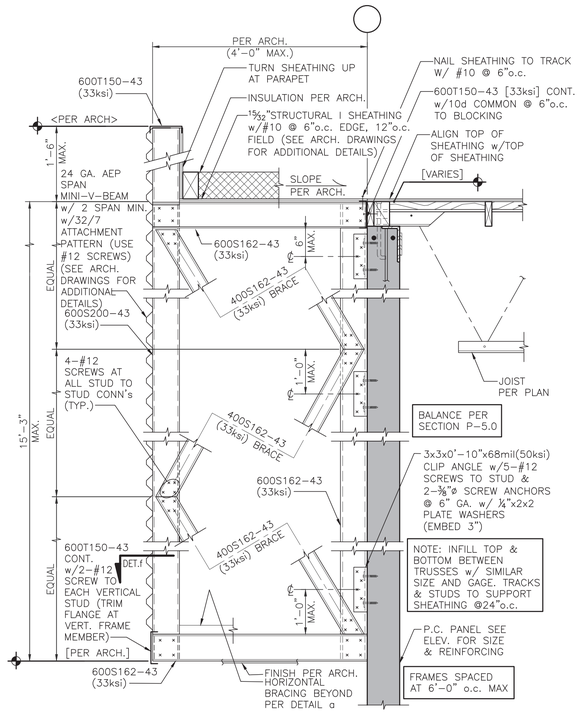
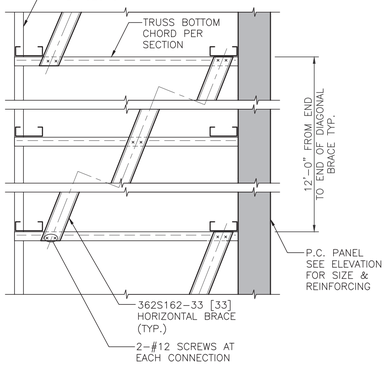
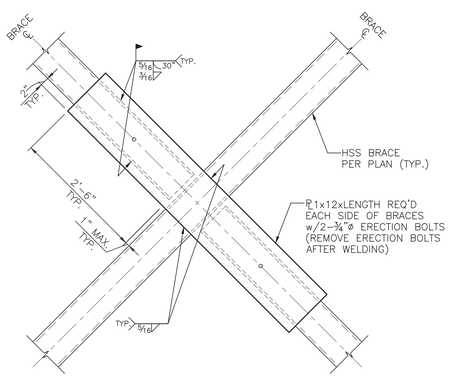


SECTION A-3.1

SCALE: ¾"=1'-0"

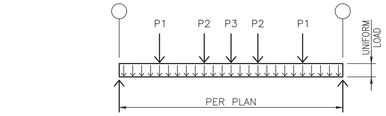


DETAIL a

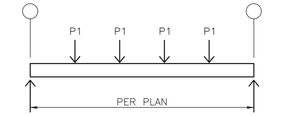


SECTION B-3.1

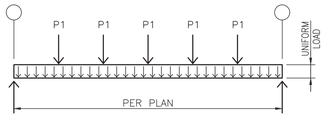
SCALE: ¾"=1'-0"



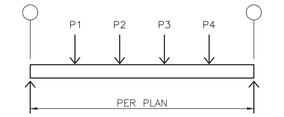
ROOF GIRDER LOADING DIAGRAM (1)
(SEE PLAN FOR GIRDER SPAN & JOIST SPACING)



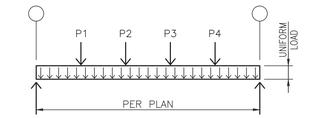
ROOF GIRDER LOADING DIAGRAM (4)
(SEE PLAN FOR GIRDER SPAN & JOIST SPACING)



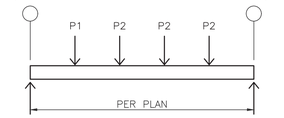
ROOF GIRDER LOADING DIAGRAM (2)
(SEE PLAN FOR GIRDER SPAN & JOIST SPACING)



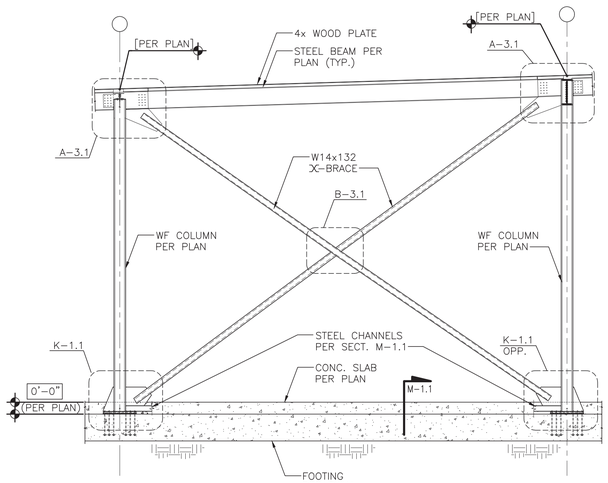
ROOF GIRDER LOADING DIAGRAM (5)
(SEE PLAN FOR GIRDER SPAN & JOIST SPACING)



ROOF GIRDER LOADING DIAGRAM (3)
(SEE PLAN FOR GIRDER SPAN & JOIST SPACING)



ROOF GIRDER LOADING DIAGRAM (6)
(SEE PLAN FOR GIRDER SPAN & JOIST SPACING)

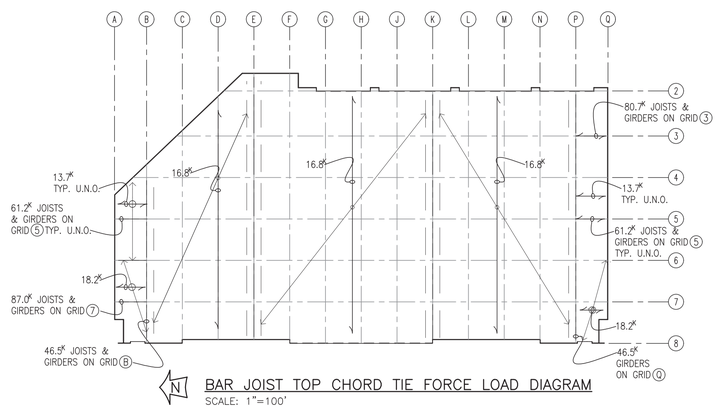


BRACE FRAME ELEVATION

SCALE: ⅛"=1'-0"

ROOF GIRDER DESIGN CRITERIA

MARK	DEPTH	NOMENCLATURE	LOAD DIAG. No.	LOAD P1		LOAD P2		LOAD P3		LOAD P4		UNIFORM LD		NET UPLIFT
				T.L.	L.L.	T.L.	L.L.	T.L.	L.L.	T.L.	L.L.	T.L.	L.L.	
RG-1	54"	54G5N25.0K	4	25.0K	15.13K	--	--	--	--	--	--	--	--	4 PSF
RG-2	54"	54G5N SPECIAL	4	21.6K	13.0K	19.6K	11.75K	17.6K	10.5K	15.6K	9.25K	--	--	4 PSF
RG-3	42"/54"	42/54G5N24.0K	4	24.0K	14.5K	--	--	--	--	--	--	--	--	4 PSF
RG-4	54"	54G5N24.0K	4	24.0K	14.5K	--	--	--	--	--	--	--	--	4 PSF
RG-5	27"/42"	27/42G5N SPECIAL	4	23.6K	14.25K	21.6K	13.0K	19.6K	11.75K	17.6K	10.5K	--	--	4 PSF
RG-6	54"/66"	54/66G5N25.45K	4	25.45K	14.5K	--	--	--	--	--	--	--	--	4 PSF
RG-7	66"	66G5N25.45K	4	25.45K	14.5K	--	--	--	--	--	--	--	--	4 PSF
RG-8	42"/54"	42/54G5N25.45K	1	25.45K	14.5K	--	--	--	--	--	--	--	--	4 PSF
RG-9	54"	54G5N26.9K	1	26.9K	14.5K	--	--	--	--	--	--	--	--	4 PSF
RG-10	42"/54"	42/54G5N26.9K	1	26.9K	14.5K	--	--	--	--	--	--	--	--	4 PSF
RG-11	42"	42G5N24.0K	2	24.0K	14.5K	--	--	--	--	--	--	--	--	4 PSF
RG-12	42"	42G5N26.9K	3	26.9K	14.5K	--	--	--	--	--	--	--	--	4 PSF
RG-13	21"/42"	21/42G5N SPECIAL	5	12.8K	8.0K	10.88K	6.8K	--	--	0.28K/FT	0.13K/FT	--	--	4 PSF
RG-14	42"	42G6N SPECIAL	5	9.0K	5.63K	8.1K	5.06K	--	--	0.28K/FT	0.13K/FT	--	--	4 PSF
RG-15	24"/42"	24/42G6N SPECIAL	6	9.0K	5.63K	8.1K	5.06K	--	--	0.28K/FT	0.13K/FT	--	--	4 PSF
RG-16	42"	42G6N SPECIAL	6	9.0K	5.63K	8.1K	5.06K	23.55K	11.25K	0.28K/FT	0.13K/FT	--	--	4 PSF
RG-17	36"/42"	36/42G6N SPECIAL	4	9.0K	5.63K	8.1K	5.06K	--	--	0.28K/FT	0.13K/FT	--	--	4 PSF
RG-18	54"	54G7N SPECIAL	6	9.0K	5.63K	8.1K	5.06K	--	--	0.28K/FT	0.13K/FT	--	--	4 PSF



BAR JOIST TOP CHORD TIE FORCE LOAD DIAGRAM

SCALE: 1"=100'

TIE FORCE LOAD DIAGRAM NOTES:

1) LOAD SHOWN IS FOR EACH JOIST IN DESIGNATED AREA, FULL WIDTH OF BUILDING.
2) DESIGN TOP CHORD & SEAT OF ROOF PURLIN BAR JOIST TO TRANSFER THE SHOWN SEISMIC LOAD.
3) THE LOAD SHOWN IS A WORKING STRESS VALUE, BUT DOES INCLUDE THE 1.4 FACTOR PER ASCE SECTION 12.11.2.2.2.

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JOHN C. HEADLAND STATE OF WASHINGTON 51757 STRUCTURAL ENGINEER PROFESSIONAL ENGINEER
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RELEASE FOR:
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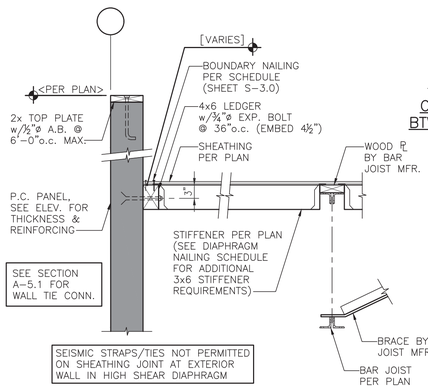
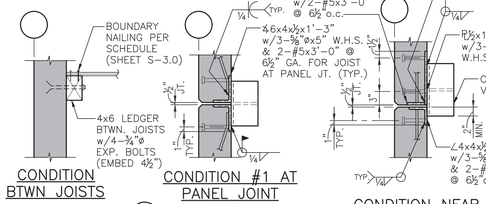
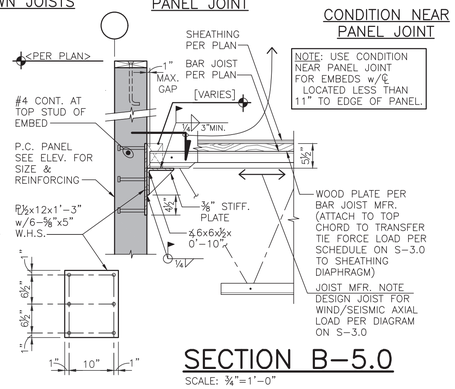


SECTION A–5.0

SCALE: ¾"=1'–0"





SECTION B–5.0

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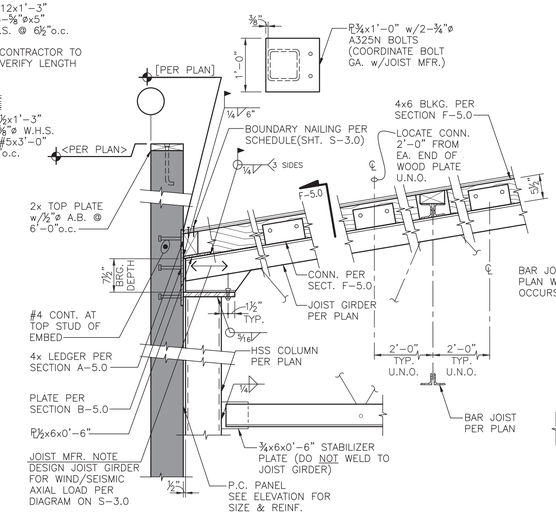

SECTION C–5.0

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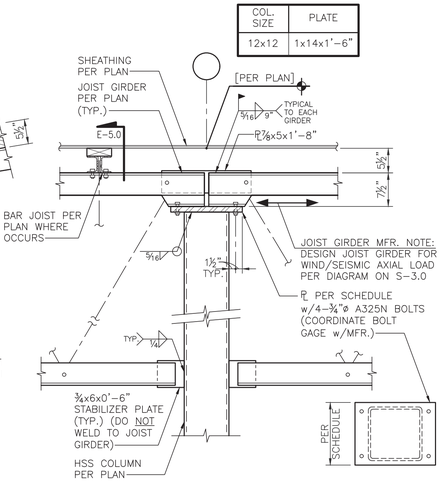

SECTION D–5.0

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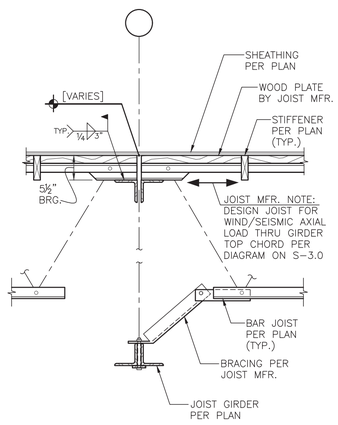
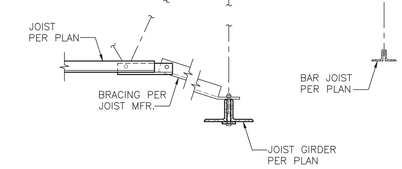


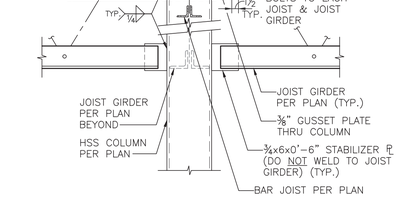
SECTION E–5.0

SCALE: ¾"=1'–0"



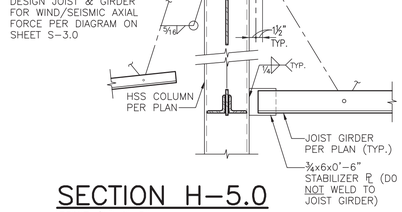
SECTION F–5.0

SCALE: ¾"=1'–0"



SECTION G–5.0

SCALE: ¾"=1'–0"



SECTION H–5.0

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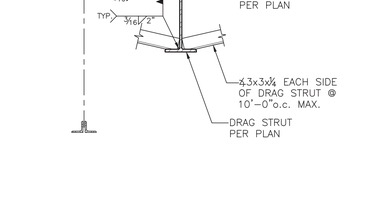

SECTION J–5.0

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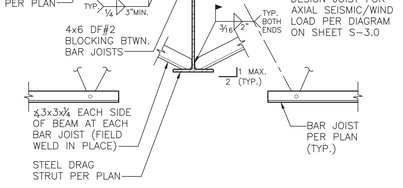
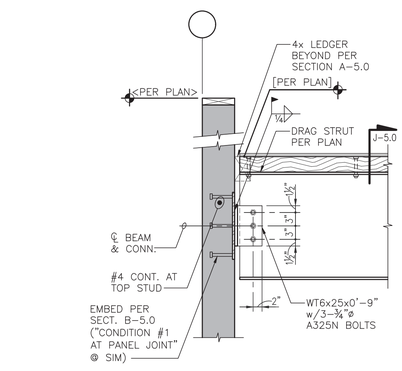


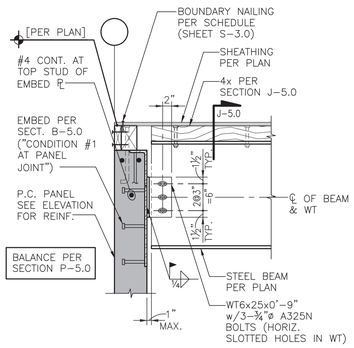
SECTION K–5.0

SCALE: ¾"=1'–0"



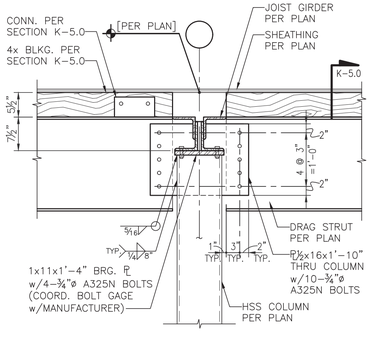
SECTION L–5.0

SCALE: ¾"=1'–0"



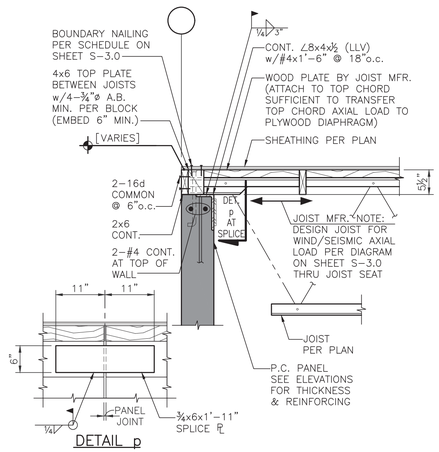
SECTION M–5.0

SCALE: ¾"=1'–0"

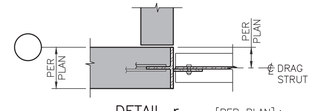


SECTION N–5.0

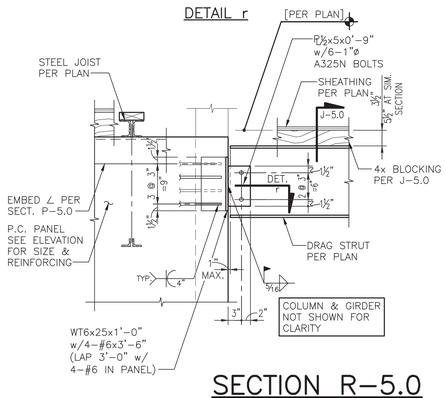
SCALE: ¾"=1'–0"



DETAIL p



DETAIL r



SECTION P–5.0

SCALE: ¾"=1'–0"

SECTION R–5.0

SCALE: ¾"=1'–0"

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REVISIONS

ISSUE NO.	DATE	ITEM
	2-6-2023	PERMIT SET

PROFESSIONAL STAMP

JOHN C. HEADLAND — STATE OF WASHINGTON — 31757 — STRUCTURAL ENGINEER — PROFESSIONAL ENGINEER

2/6/2024

PROJECT INFORMATION

BUILDING A
Freeman Road Logistics
Puyallup, WA

SHEET INFORMATION

RELEASE FOR:
TITLE: ROOF FRAMING SECTIONS

DESIGNED BY: JH | DRAWN BY: AL, TM
REVIEWED BY: | APPROVED BY:
DATE: 8-30-2023
SHEET NO: S5.0
PROJECT NO: 21-40 | 8 OF 17

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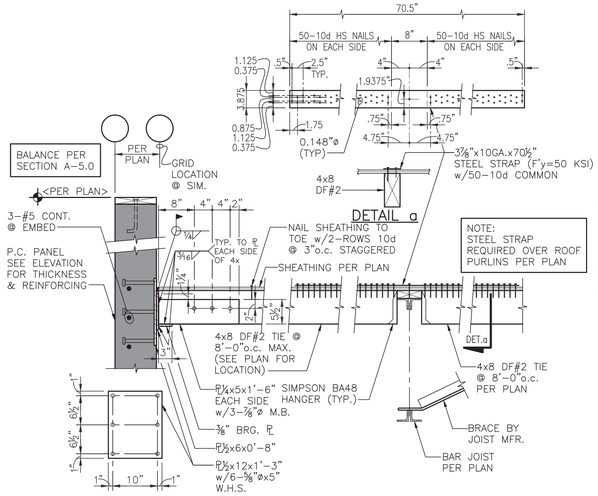
K:\21\21-40-Freeman Logistics - Bldg A\DWG\SHT-S5-0.dwg, Model, 2/6/2024 10:21:55 AM, Andy, 1:1



SECTION A–5.1

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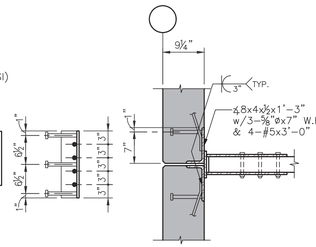
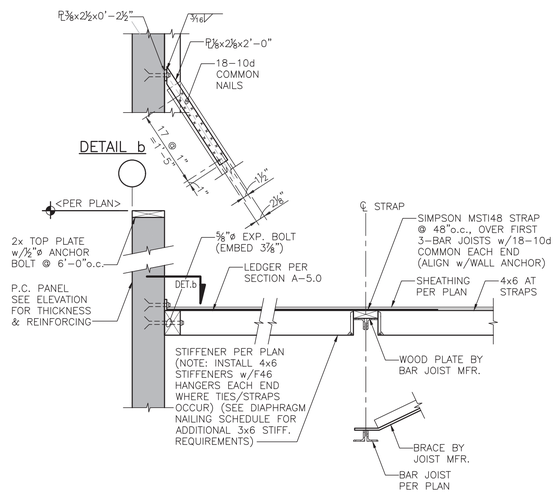
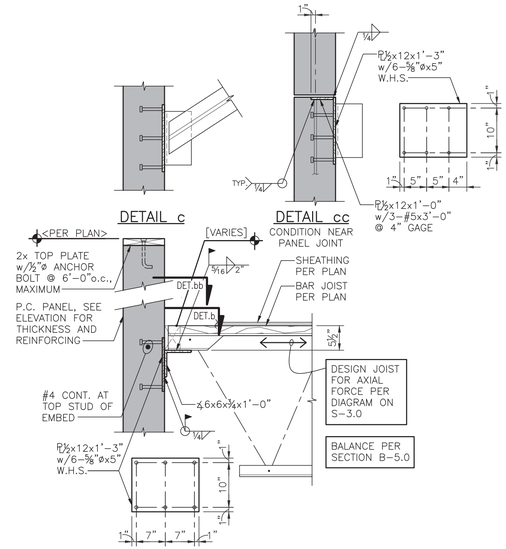


CONDITION AT PANEL JOINT



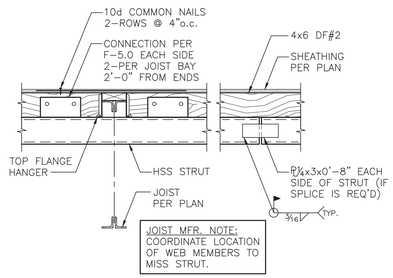
SECTION B–5.1

SCALE: ¾"=1'-0"



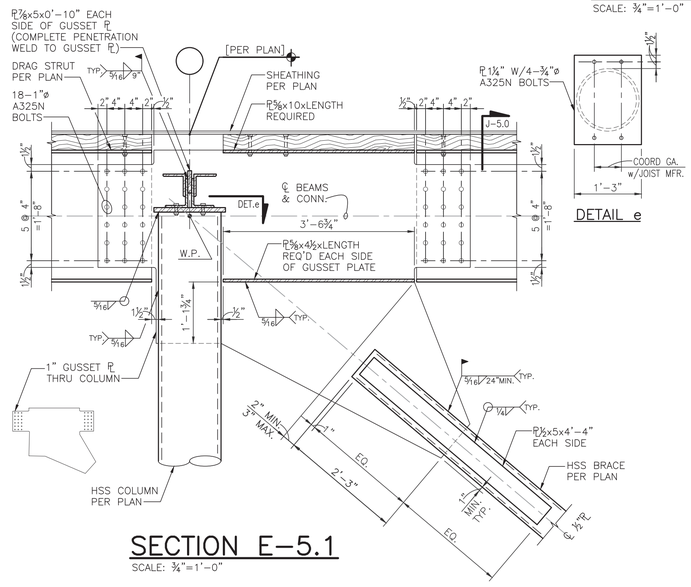
SECTION C–5.1

SCALE: ¾"=1'-0"



SECTION D–5.1

SCALE: ¾"=1'-0"



SECTION E–5.1

SCALE: ¾"=1'-0"

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PROFESSIONAL STAMP

JOHN C. HEADLAND — STATE OF WASHINGTON — 31757 — STRUCTURAL ENGINEER — PROFESSIONAL ENGINEER

2/6/2024

PROJECT INFORMATION

BUILDING A
Freeman Road Logistics
Puyallup, WA

SHEET INFORMATION

RELEASE FOR:
TITLE: ROOF FRAMING SECTIONS

DESIGNED BY: JH DRAWN BY: AL, TM
REVIEWED BY: APPROVED BY:
DATE: 8-30-2023
SHEET NO: S5.1
PROJECT NO: 21-40 9 OF 17

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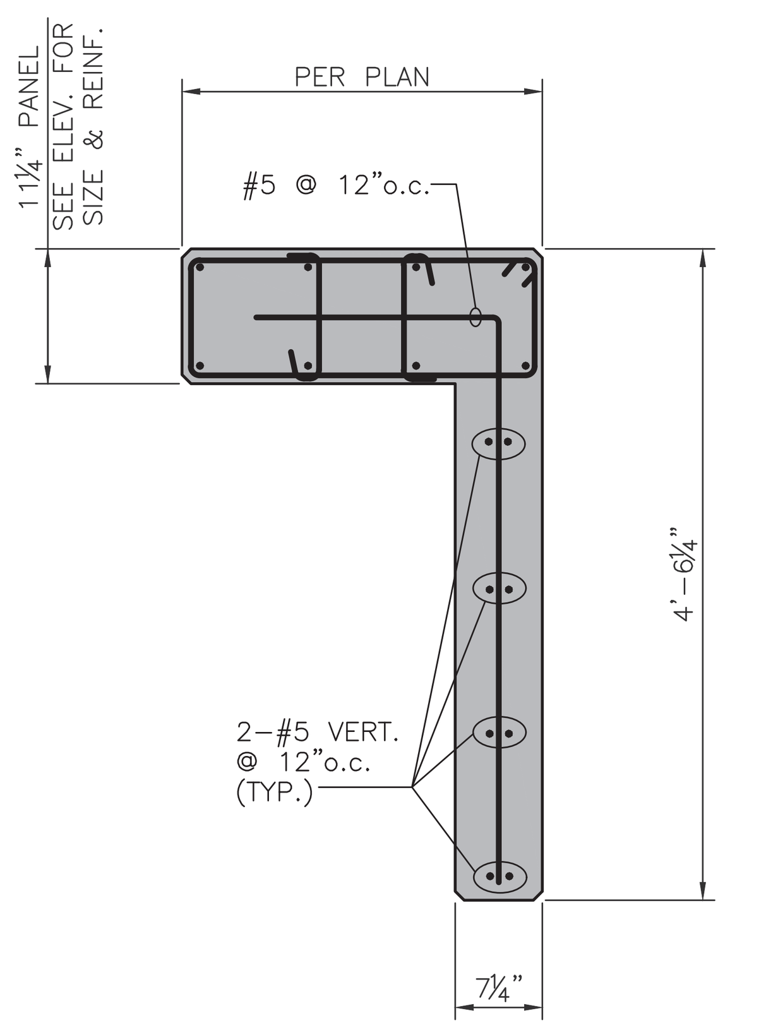
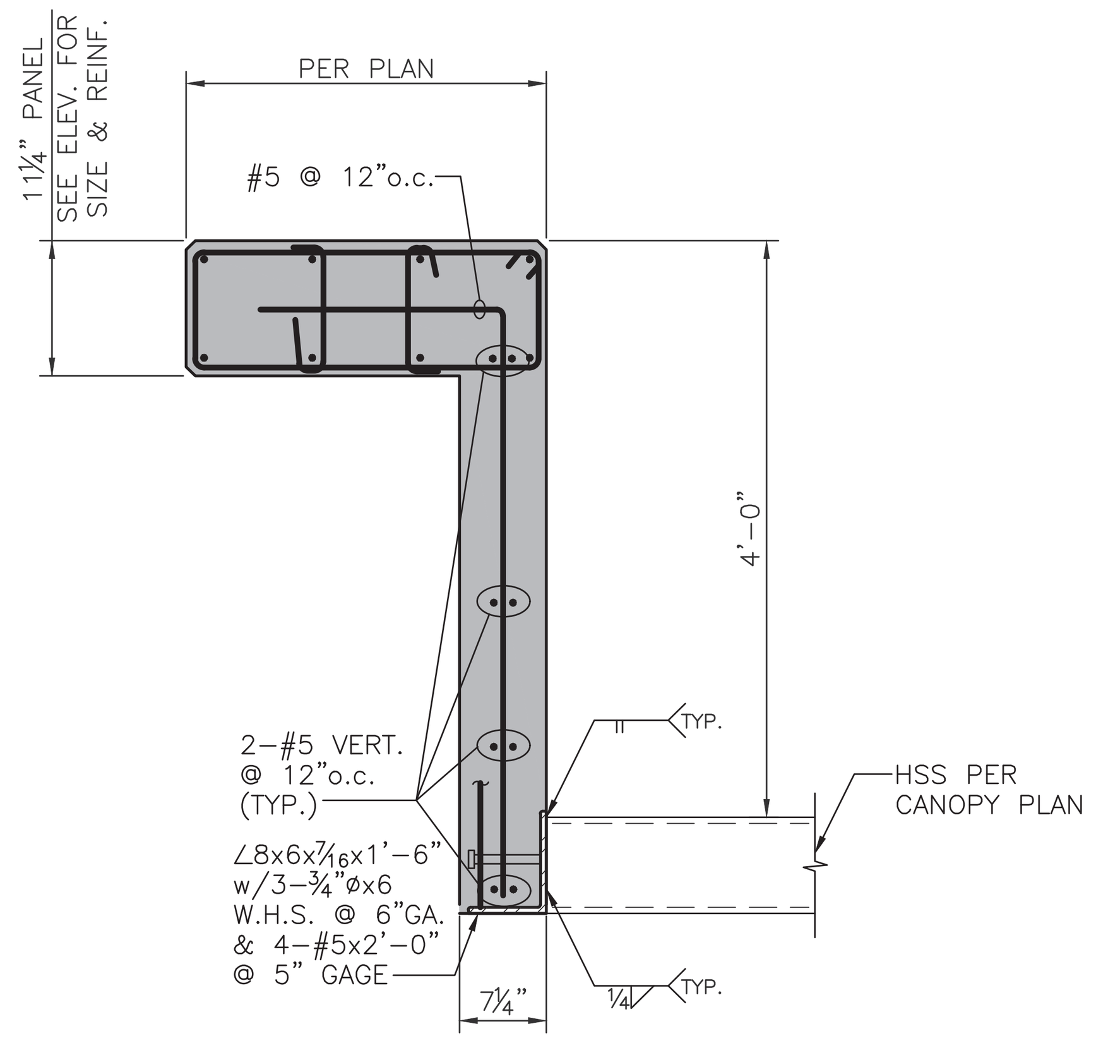
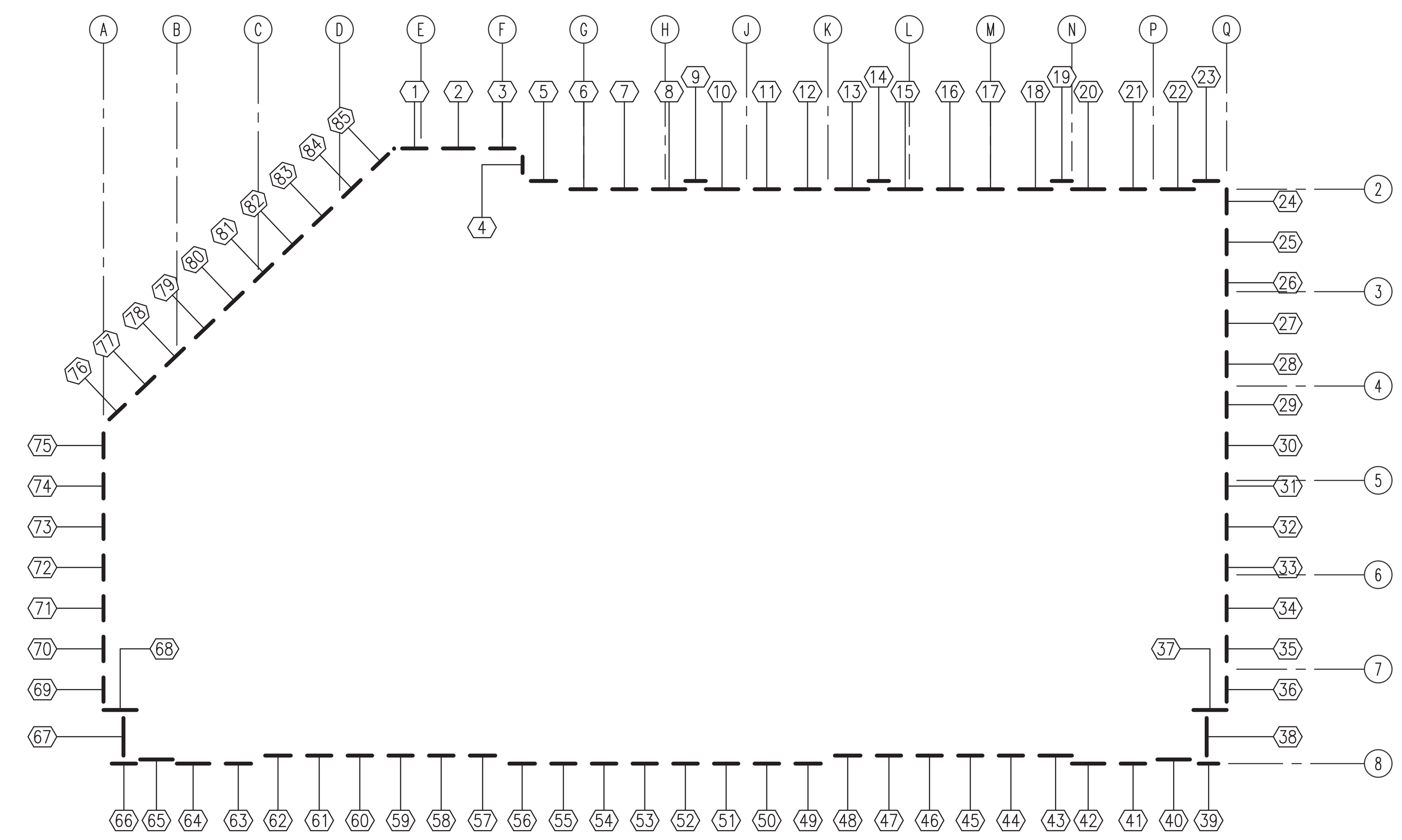


DETAIL 1 / 6.0
SCALE: 3/4"=1'-0"

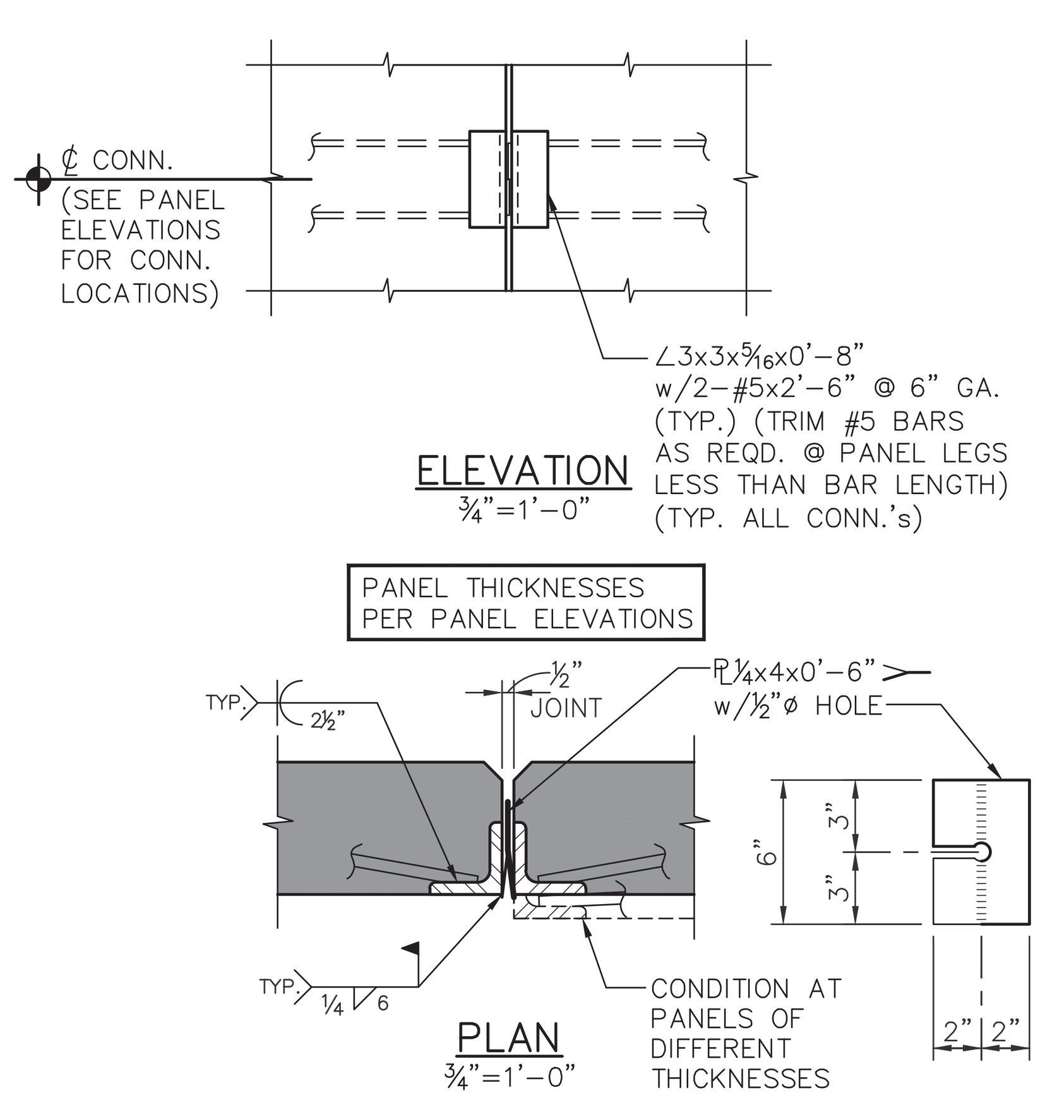


DETAIL 2 / 6.0
SCALE: 3/4"=1'-0"

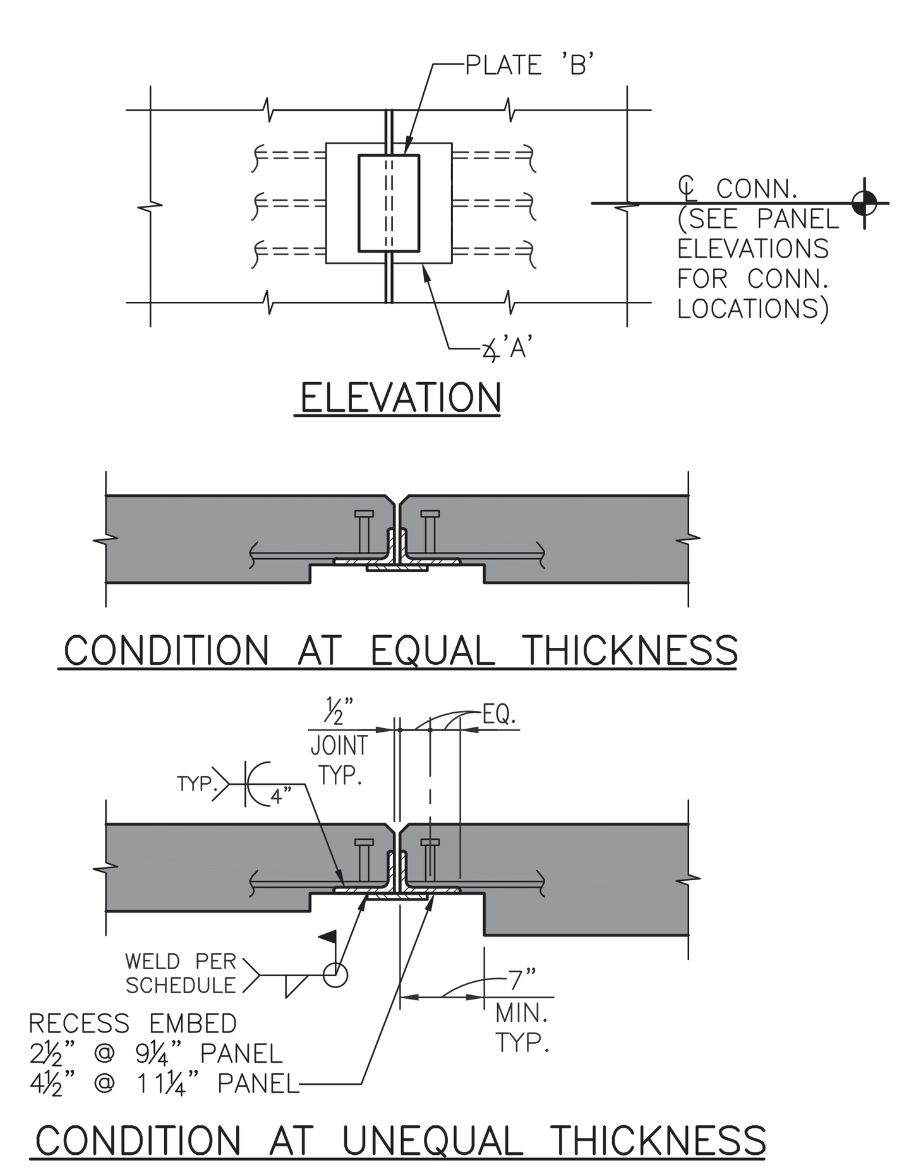


P.C. PANEL PLACEMENT KEY
SCALE: 1"=80'

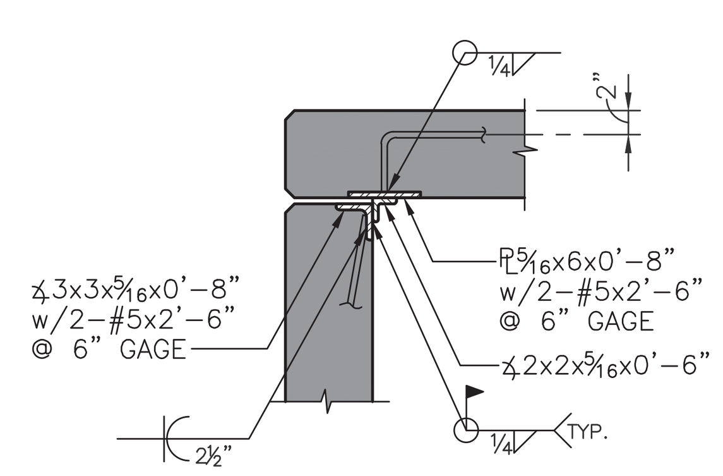
MARK	ANGLE 'A'	PLATE 'B'	WELD
B1	∠5x3x5/16x1'-0" w/3-#5x3'-0" @ 4" GA. & 2-5/8"⌀x4" W.H.S. @ 4" GA.	PL5/16x5x0'-8"	5/16
B2	∠5x3x3/8x2'-8" w/6-#7x4'-2" @ 4" GA. & 3-5/8"⌀x4" W.H.S. @ 10" GA.	PL3/8x5x2'-4"	5/16
B3	∠5x3x3/8x3'-2" w/8-#8x5'-0" @ 5" GA. & 3-5/8"⌀x4" W.H.S. @ 12" GA.	PL1/2x5x2'-10"	7/16



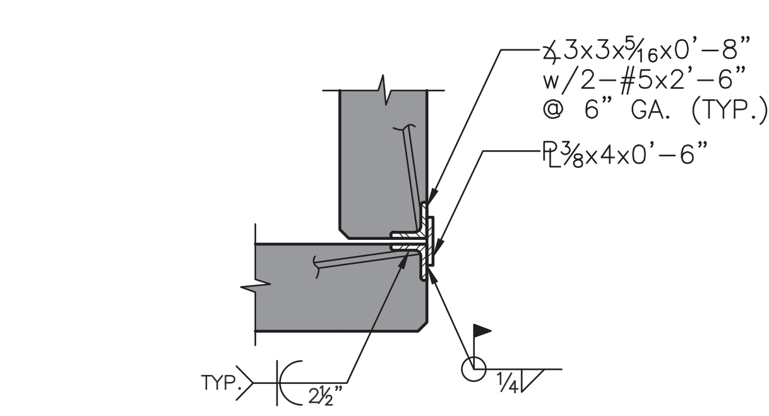
TYPE 'A' CONNECTION



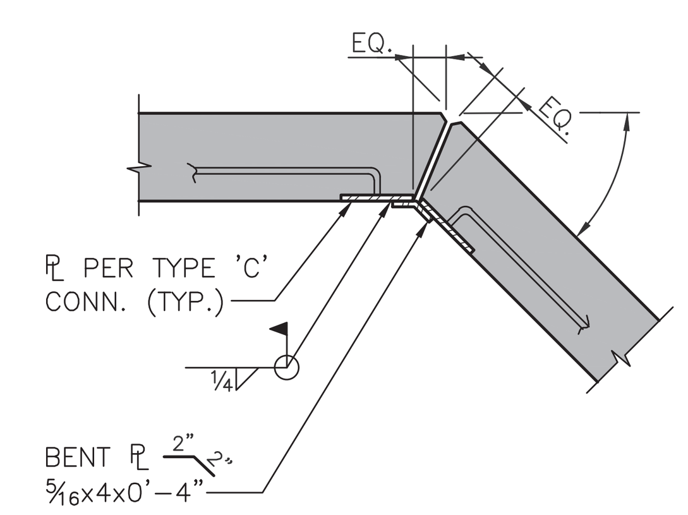
TYPE 'B' CONNECTION



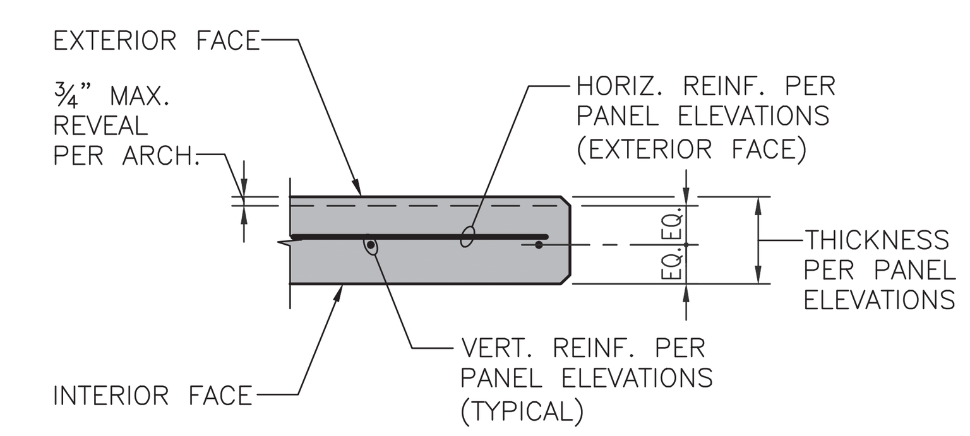
TYPE 'C' CONNECTION



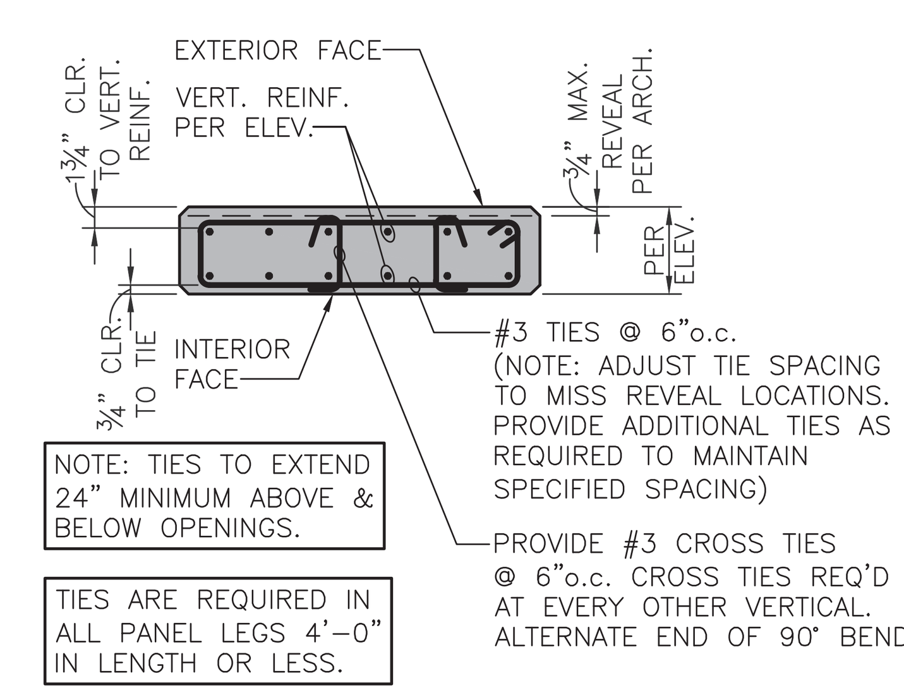
TYPE 'D' CONNECTION



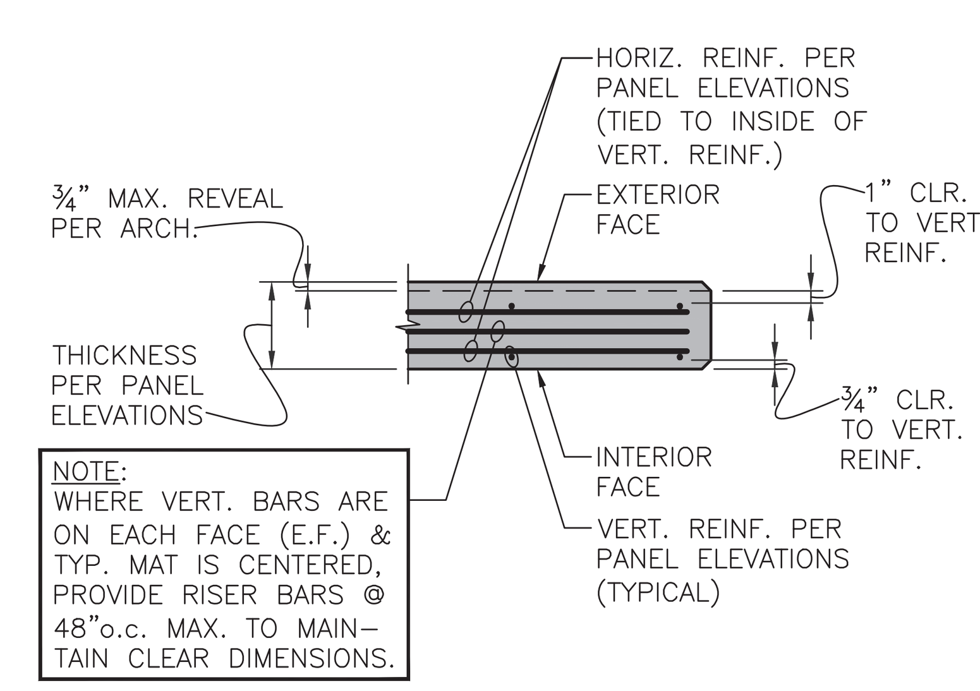
TYPE 'G' CONNECTION



TYPICAL SINGLE MAT REBAR PLACEMENT



TYP. REBAR PLACEMENT AT PANEL LEG WITH TIES & REVEALS



TYPICAL DOUBLE MAT REBAR PLACEMENT

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REVISIONS

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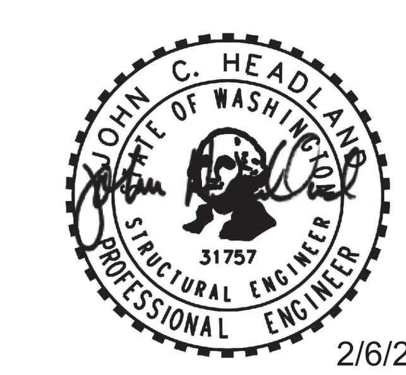

2/6/2024

PROJECT INFORMATION

BUILDING A
Freeman Road Logistics
Puyallup, WA

SHEET INFORMATION

RELEASE FOR:
TITLE: PANEL CONN'S, PANEL DETAILS, & PANEL KEY
DESIGNED BY: JH
DRAWN BY: AL, TM
REVIEWED BY:
APPROVED BY:
DATE: 8-30-2023
SHEET NO: S6.0
PROJECT NO: 21-40
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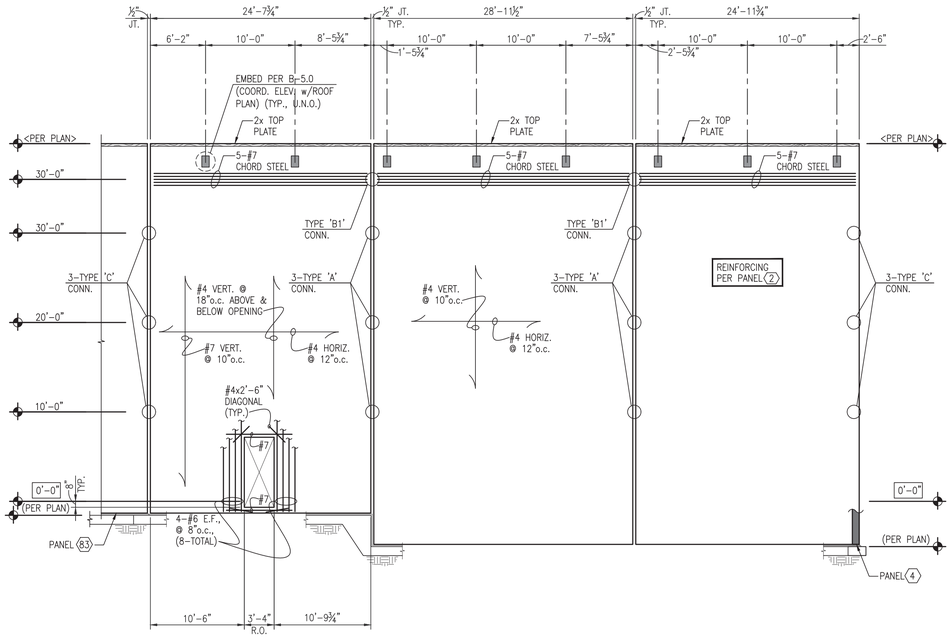
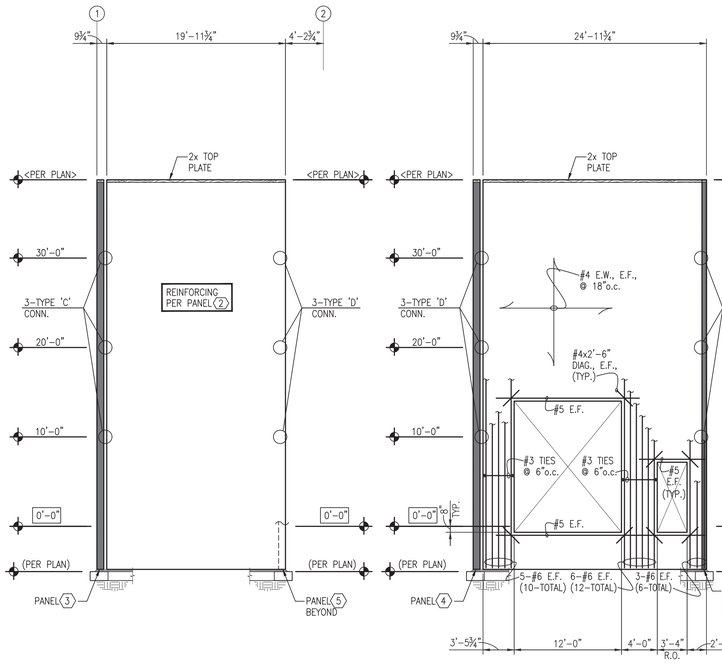


1 2 3

PARTIAL EAST P.C. PANEL ELEVATIONS AT GRID 1

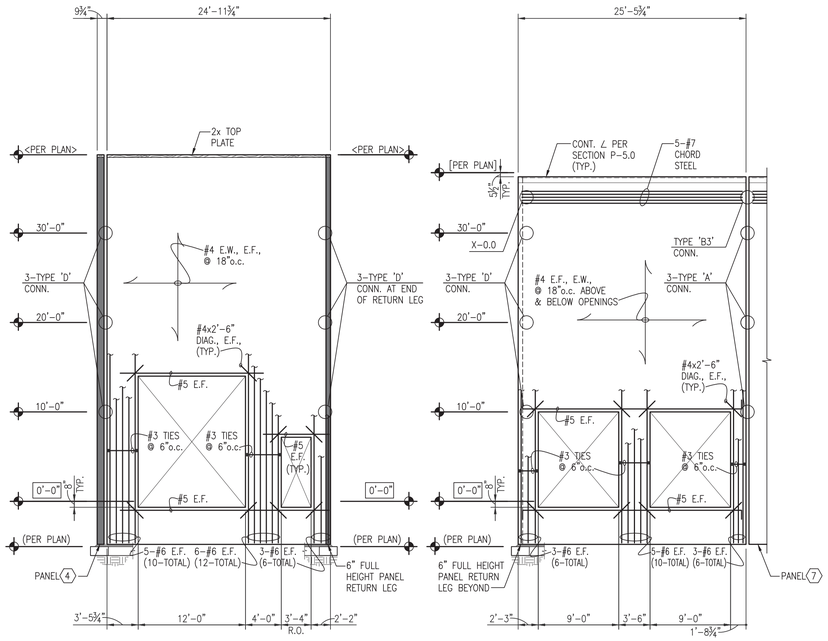
(7¼" THICK PANELS w/¾" MAX. REVEALS)



4

PARTIAL SOUTH P.C. PANEL ELEVATION 37'-6" NORTH OF GRID G

(7¼" THICK PANEL w/¾" MAX. REVEALS)



5

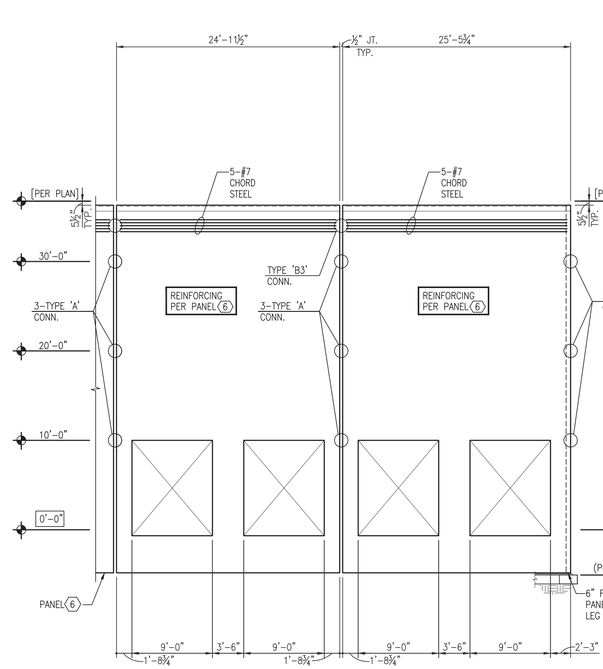
PARTIAL EAST P.C. PANEL ELEVATION 20'-0" WEST OF GRID 1

(9¼" THICK PANEL w/¾" MAX. REVEALS)

6

PARTIAL EAST P.C. PANEL ELEVATION AT GRID 2

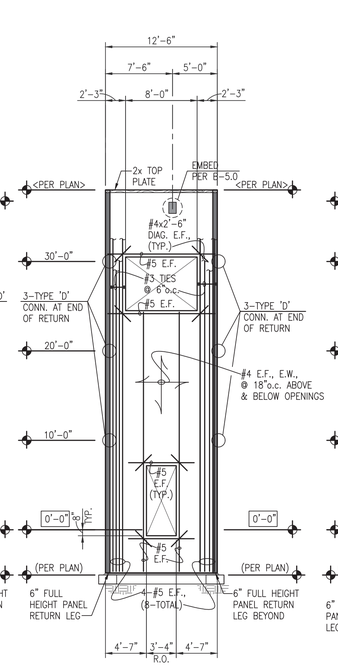
(9¼" THICK PANEL w/¾" MAX. REVEALS)



7 8

PARTIAL EAST P.C. PANEL ELEVATIONS AT GRID 2

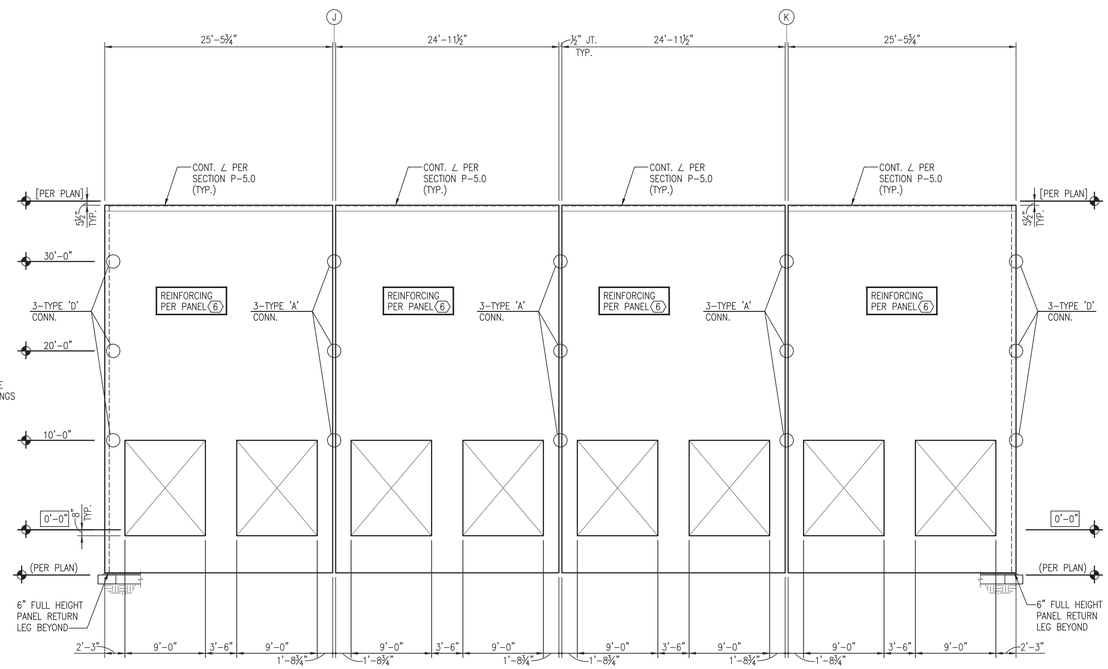
(9¼" THICK PANELS w/¾" MAX. REVEALS)



9

PARTIAL EAST P.C. PANEL ELEVATION 5'-0" EAST OF GRID 2

(9¼" THICK PANEL w/¾" MAX. REVEALS)



10 11 12 13

PARTIAL EAST P.C. PANEL ELEVATIONS AT GRID 1

(9¼" THICK PANELS w/¾" MAX. REVEALS)

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PROFESSIONAL STAMP

JOHN C. HEADLAND — STATE OF WASHINGTON — 31757 — STRUCTURAL ENGINEER — PROFESSIONAL ENGINEER

2/6/2024

PROJECT INFORMATION

BUILDING A
Freeman Road Logistics
Puyallup, WA

SHEET INFORMATION

RELEASE FOR:
TITLE: PANEL ELEVATIONS

DESIGNED BY: JH
DRAWN BY: AL, TM
REVIEWED BY:
APPROVED BY:
DATE: 8-30-2023
SHEET NO: S6.1
PROJECT NO: 21-40
11 OF 17

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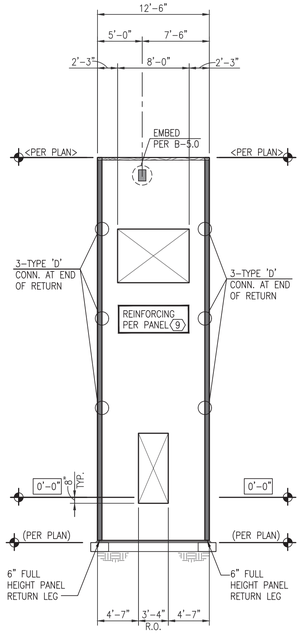
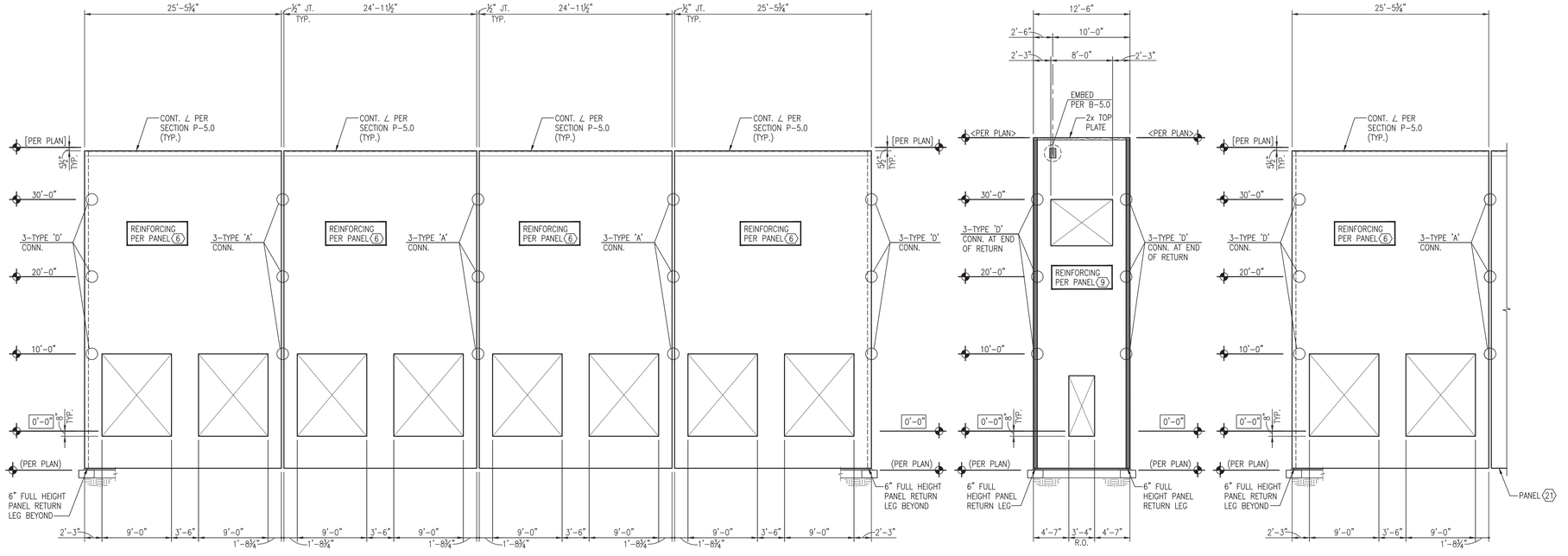


14

PARTIAL EAST P.C. PANEL ELEVATION 5'-0" EAST OF GRID (2)

(9¼" THICK PANEL w/¾" MAX. REVEALS)



15 16 17 18

PARTIAL EAST P.C. PANEL ELEVATIONS AT GRID (1)

(9¼" THICK PANELS w/¾" MAX. REVEALS)

19

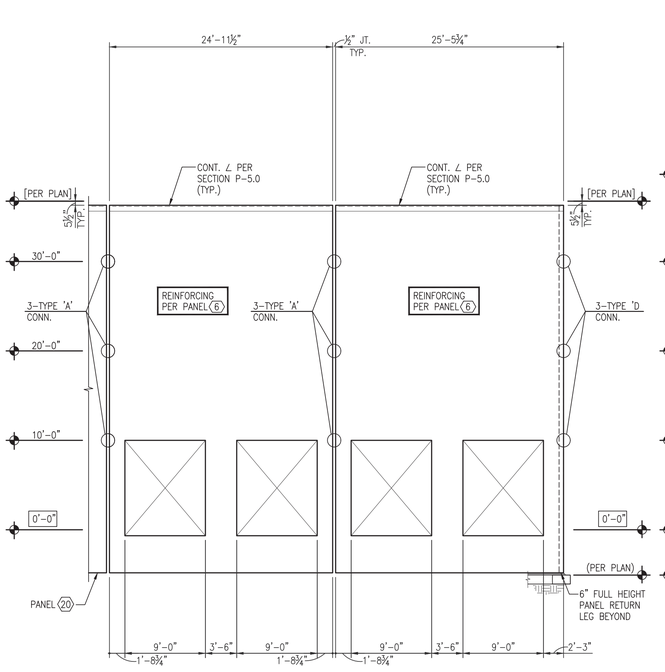
PARTIAL EAST P.C. PANEL ELEVATION 5'-0" EAST OF GRID (2)

(9¼" THICK PANEL w/¾" MAX. REVEALS)

20

PARTIAL EAST P.C. PANEL ELEVATION AT GRID (2)

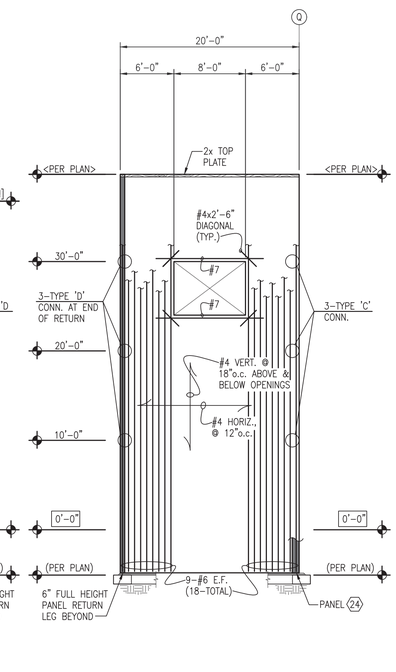
(9¼" THICK PANEL w/¾" MAX. REVEALS)



21 22

PARTIAL EAST P.C. PANEL ELEVATIONS AT GRID (2)

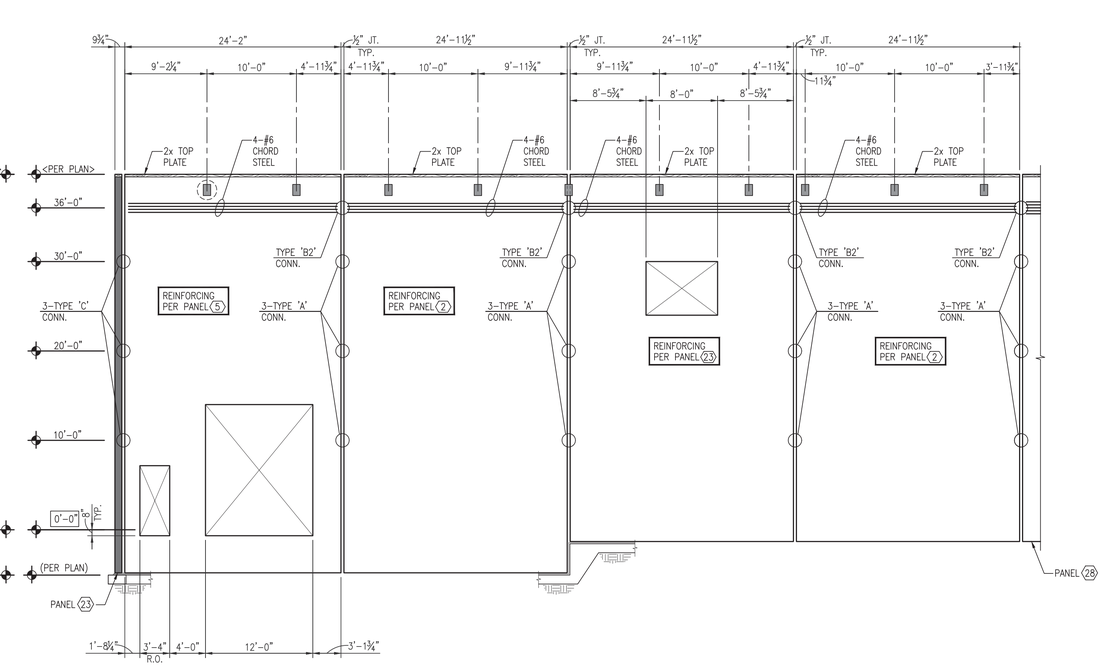
(9¼" THICK PANELS w/¾" MAX. REVEALS)



23

PARTIAL EAST P.C. PANEL ELEVATION 5'-0" EAST OF GRID (2)

(7¼" THICK PANEL w/¾" MAX. REVEALS)



24 25 26 27

9¾" THICK

PARTIAL SOUTH P.C. PANEL ELEVATIONS AT GRID (Q)

(7¼" THICK PANELS w/¾" MAX. REVEALS)

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PROFESSIONAL STAMP

JOHN C. HEADLAND — STATE OF WASHINGTON — 31757 — STRUCTURAL ENGINEER — PROFESSIONAL ENGINEER
2/6/2024

PROJECT INFORMATION

BUILDING A
Freeman Road Logistics
Puyallup, WA

SHEET INFORMATION

RELEASE FOR:
TITLE: PANEL ELEVATIONS
DESIGNED BY: JH
DRAWN BY: AL, TM
REVIEWED BY:
APPROVED BY:
DATE: 8-30-2023
SHEET NO: S6.2
PROJECT NO: 21-40
12 OF 17

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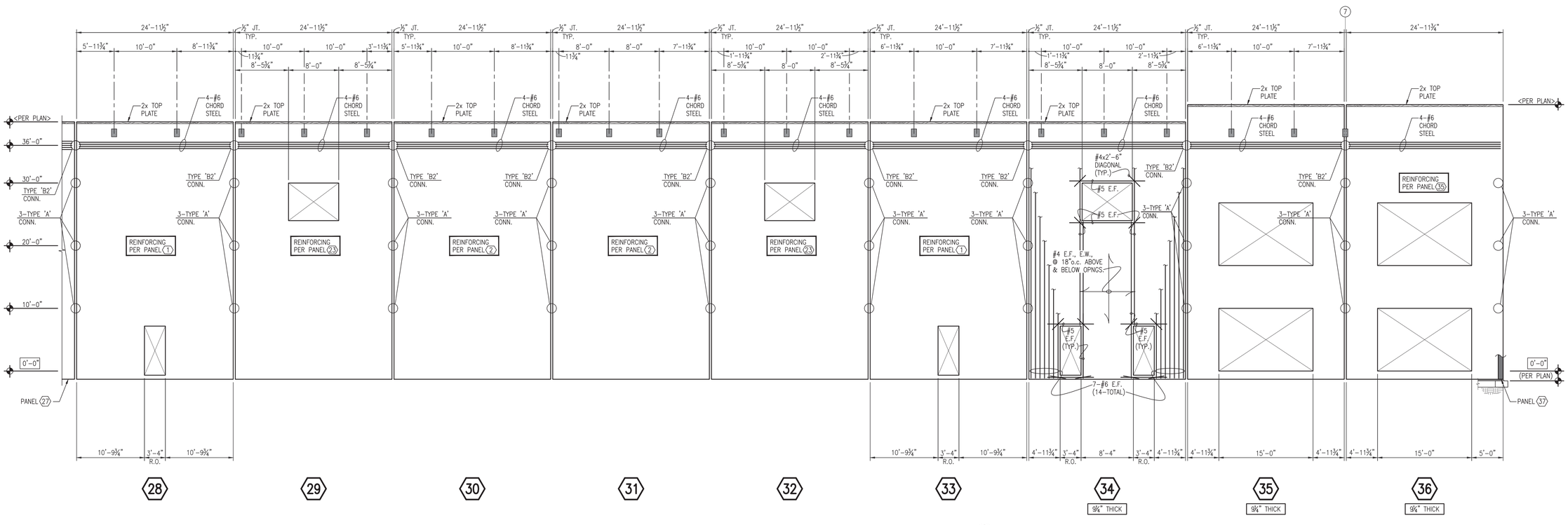
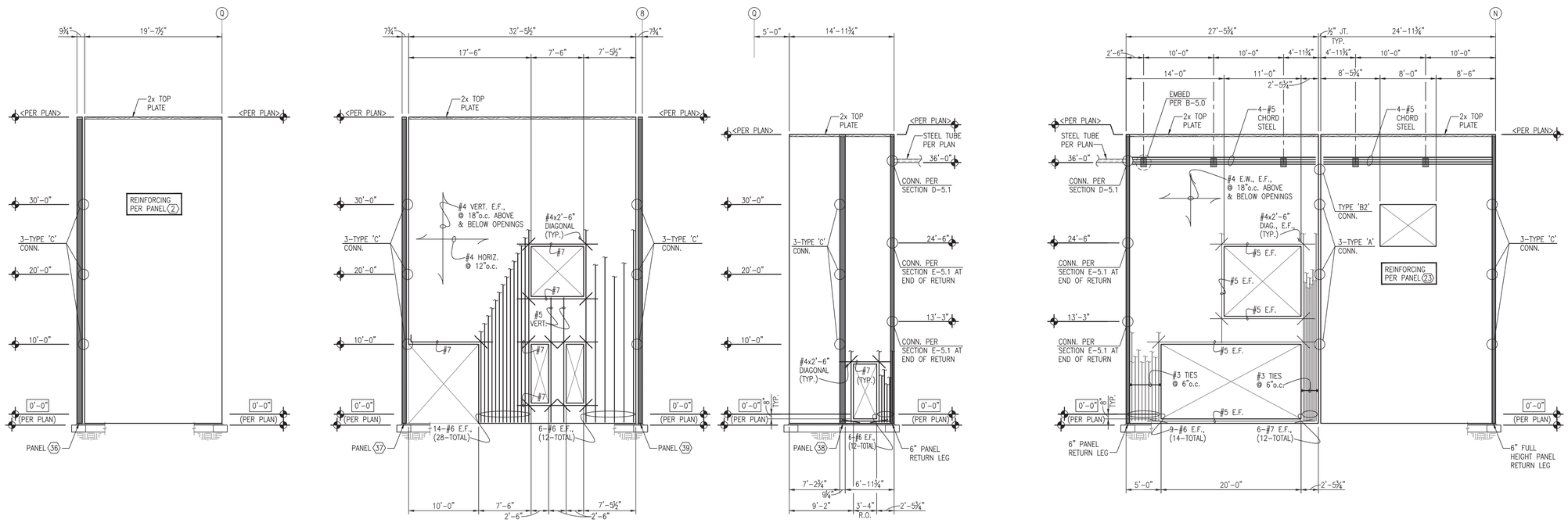


PARTIAL SOUTH P.C. PANEL ELEVATIONS AT GRID Q

(7¼" THICK PANELS w/¾" MAX. REVEALS)



37 PARTIAL WEST P.C. PANEL ELEVATION 33-0" EAST OF GRID 8

(7¼" THICK PANEL w/¾" MAX. REVEALS)

38 PARTIAL SOUTH P.C. PANEL ELEVATION 12-2¾" NORTH OF GRID Q

(7¼" THICK PANEL w/¾" MAX. REVEALS)

39 PARTIAL WEST P.C. PANEL ELEVATION AT GRID 8

(7¼" THICK PANEL w/¾" MAX. REVEALS)

40 PARTIAL WEST P.C. PANEL ELEVATIONS AT GRID 8

9¼" THICK

(7¼" THICK PANELS w/¾" MAX. REVEALS)

41

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THE FUSION OF ARCHITECTURE, DESIGN TECHNOLOGY & PEOPLE
12503 Bel-Red Road, Suite 100
Bellevue, WA 98005
p 425 646 1818 f 425 646 4141

VECTOR
Development Company
11411 NE 124th Street
Suite 190
Kirkland, WA 98034

SHUTLER CONSULTING ENGINEERS Inc.
12503 Bel-Red Road, Suite 100
Bellevue, Washington 98005
(425)450-4075 FAX: (425)450-4076

REVISIONS

ISSUE NO.	DATE	ITEM
	2-6-2023	PERMIT SET

PROFESSIONAL STAMP

JOHN C. HEADLAND, STATE OF WASHINGTON, 31757, STRUCTURAL ENGINEER, PROFESSIONAL ENGINEER
2/6/2024

PROJECT INFORMATION

BUILDING A
Freeman Road Logistics
Puyallup, WA

SHEET INFORMATION

RELEASE FOR:
TITLE: PANEL ELEVATIONS
DESIGNED BY: JH
DRAWN BY: AL, TM
REVIEWED BY:
APPROVED BY:
DATE: 8-30-2023
SHEET NO: S6.3
PROJECT NO: 21-40
13 OF 17

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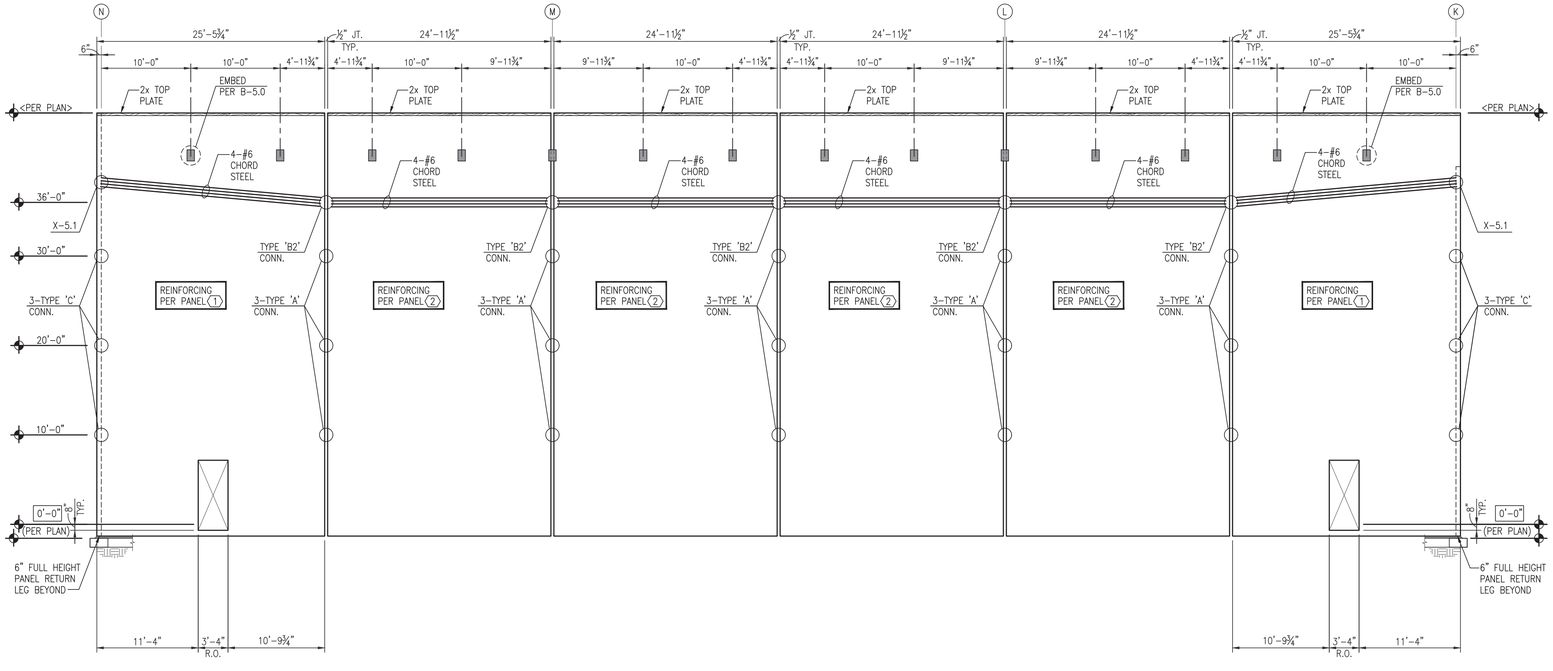
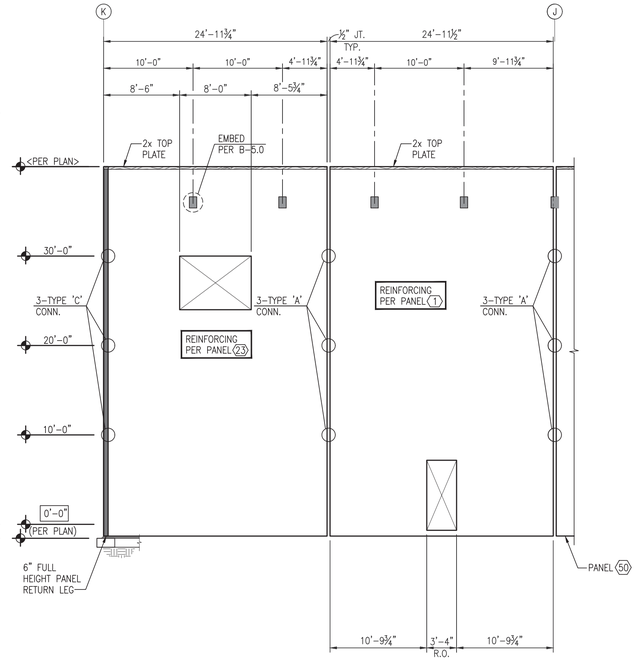
K:\21\21-40 Freeman Logistics - Bldg A\DWG\SHT-S6.3 - S6-01\21-40 PANEL ELEVATIONS.dwg, SHT-S6.3, 2/6/2024 10:15:24 AM, Andy, 1:1



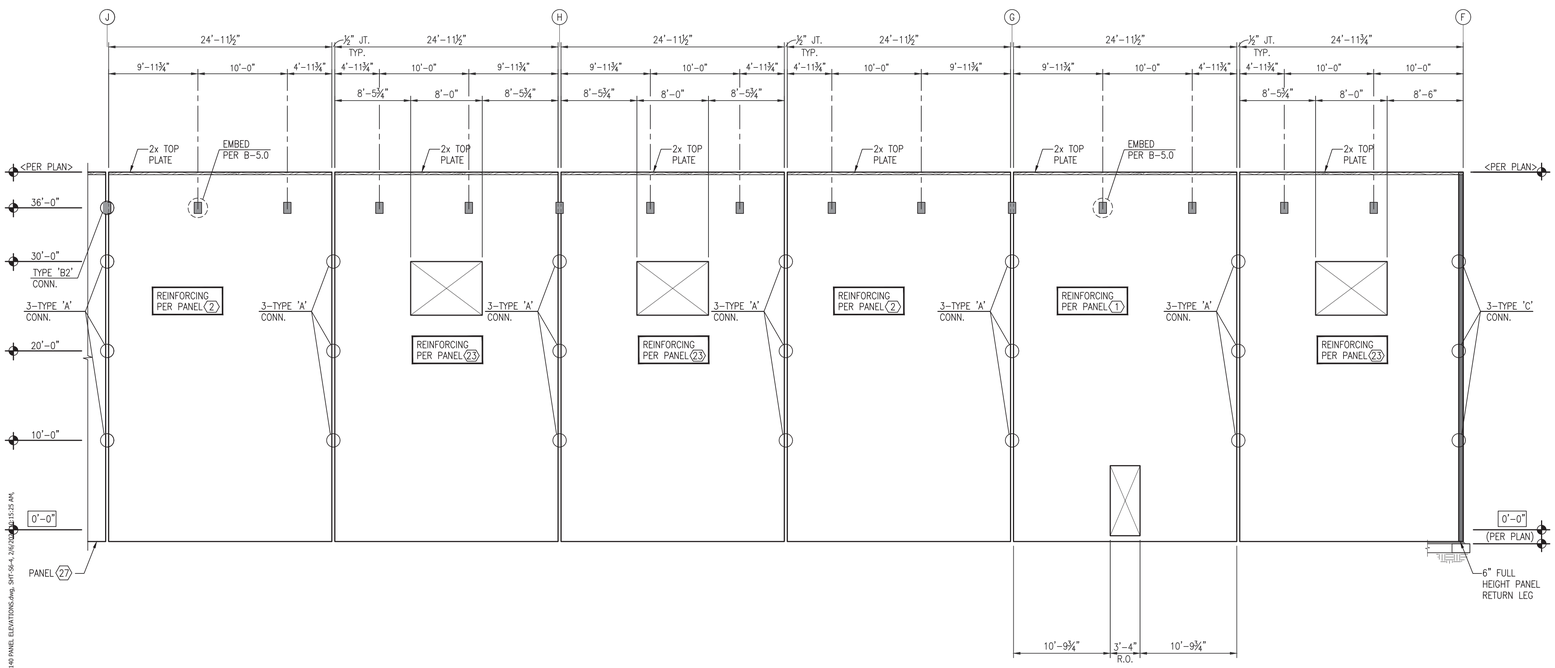
PARTIAL WEST P.C. PANEL ELEVATIONS 5'-0" EAST OF GRID ⑧

(7¼" THICK PANELS w/¾" MAX. REVEALS)



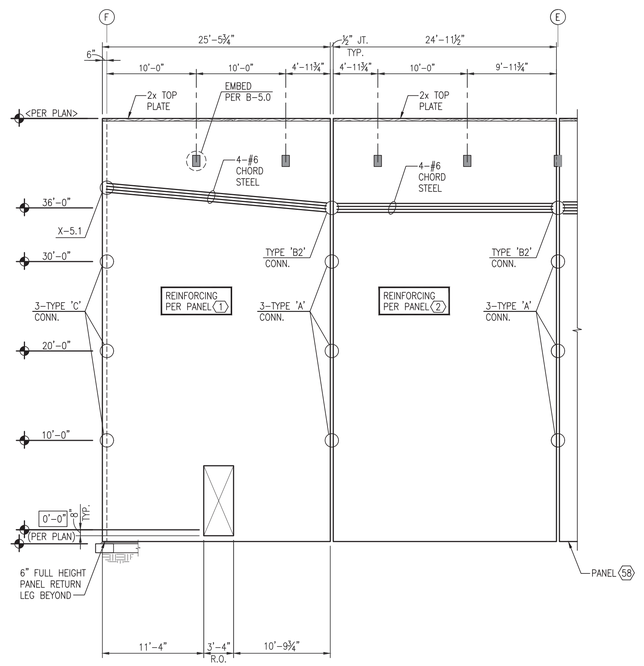
PARTIAL WEST P.C. PANEL ELEVATIONS AT GRID ⑧

(7¼" THICK PANELS w/¾" MAX. REVEALS)



PARTIAL WEST P.C. PANEL ELEVATIONS AT GRID ⑧

(7¼" THICK PANELS w/¾" MAX. REVEALS)



PARTIAL WEST P.C. PANEL ELEVATIONS 5'-0" EAST OF GRID ⑧

(7¼" THICK PANELS w/¾" MAX. REVEALS)

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PROFESSIONAL STAMP

JOHN C. HEADLAND — STATE OF WASHINGTON — 31757 — STRUCTURAL ENGINEER — PROFESSIONAL ENGINEER

2/6/2024

PROJECT INFORMATION

BUILDING A
Freeman Road Logistics
Puyallup, WA

SHEET INFORMATION

RELEASE FOR:
TITLE: PANEL ELEVATIONS

DESIGNED BY: JH
DRAWN BY: AL, TM
REVIEWED BY:
APPROVED BY:
DATE: 8-30-2023
SHEET NO: S6.4
PROJECT NO: 21-40
14 OF 17

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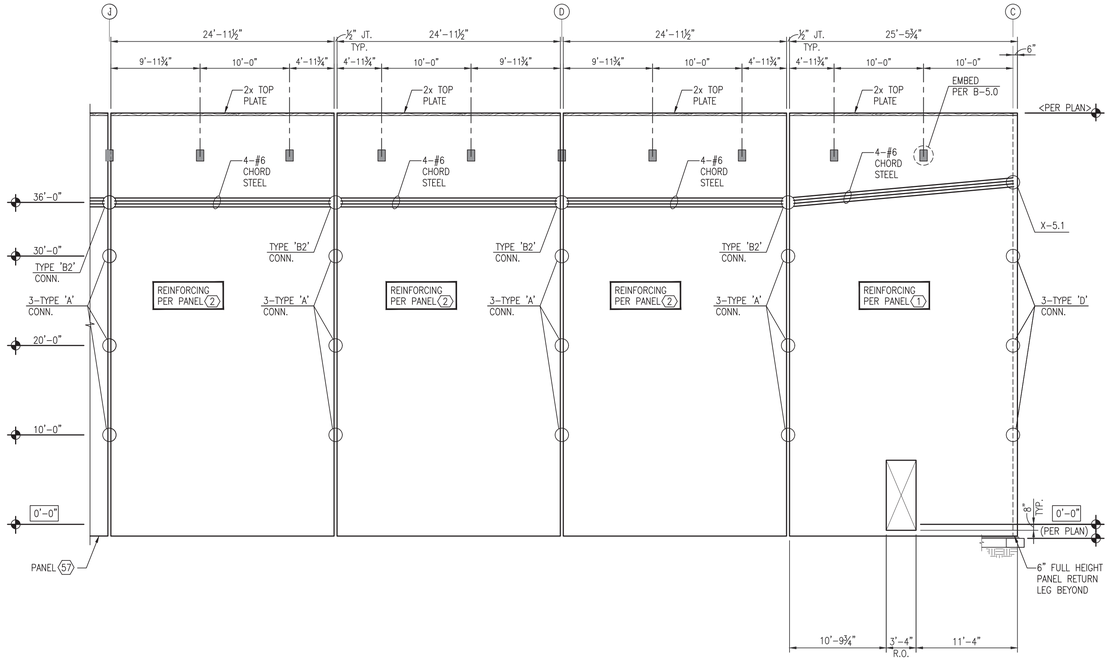
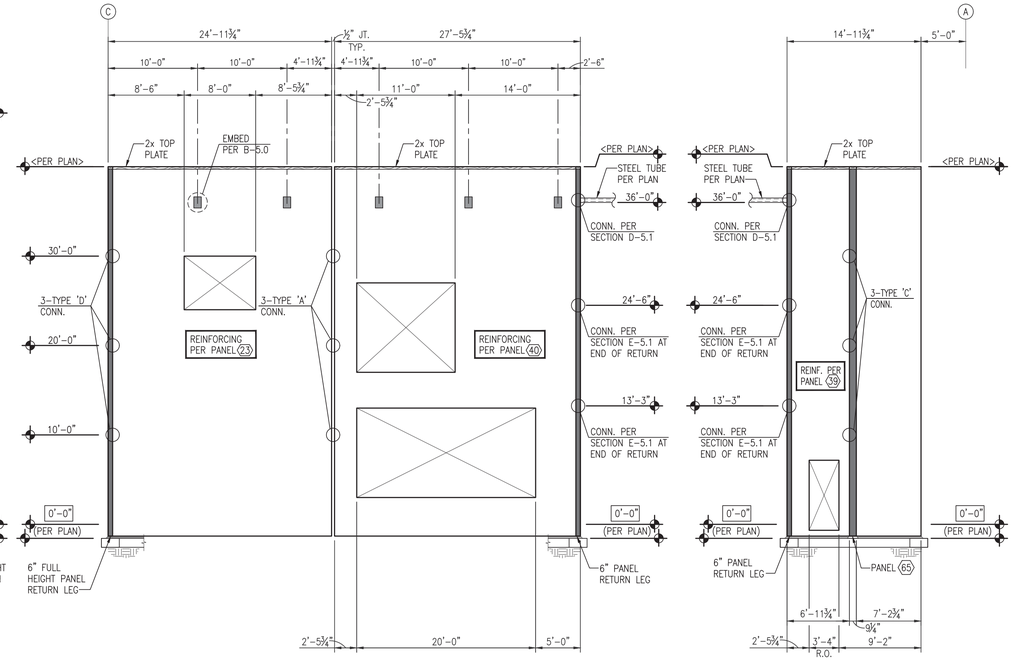


58 59 60 61

PARTIAL WEST P.C. PANEL ELEVATIONS 5'-0" EAST OF GRID ⑧

(7¼" THICK PANELS w/¾" MAX. REVEALS)

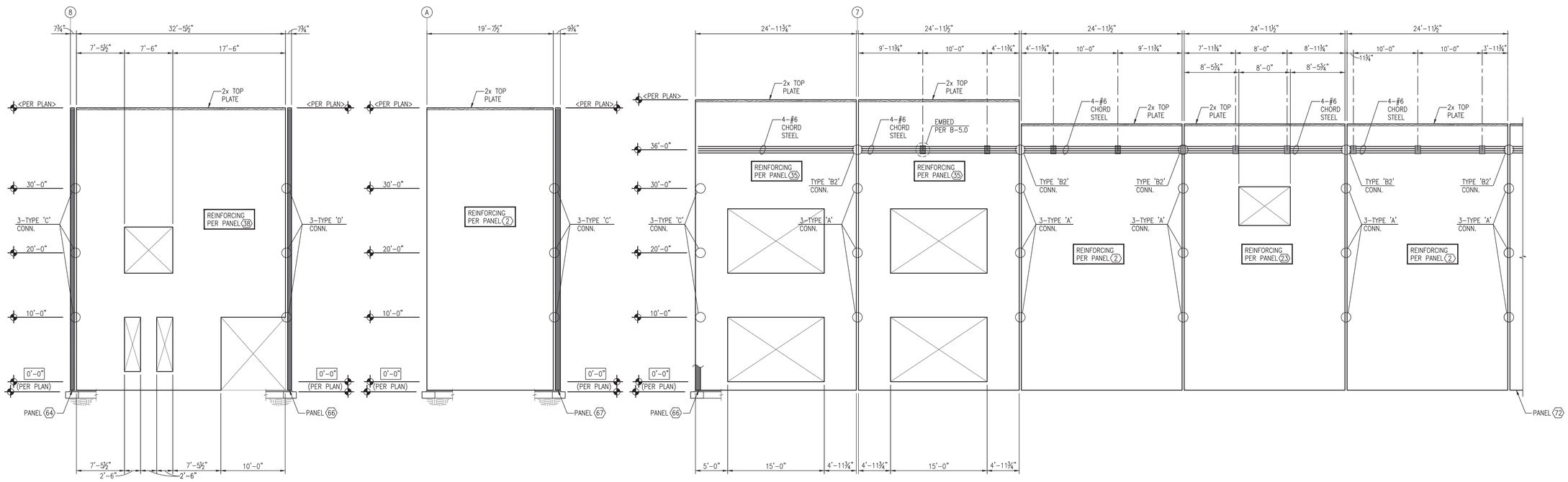


62 63 64

9¼" THICK

PARTIAL WEST P.C. PANEL ELEVATIONS AT GRID ⑧

(9¼" THICK PANELS w/¾" MAX. REVEALS)



65 66 67 68 69 70 71

9¾" THICK 9¾" THICK

PARTIAL NORTH P.C. PANEL ELEVATIONS AT GRID ①

(7¼" THICK PANELS w/¾" MAX. REVEALS)

PARTIAL NORTH P.C. PANEL ELEVATION 12-2¾" SOUTH OF GRID Ⓐ

(7¼" THICK PANEL w/¾" MAX. REVEALS)

PARTIAL WEST P.C. PANEL ELEVATION 33-0" EAST OF GRID ⑧

(7¼" THICK PANEL w/¾" MAX. REVEALS)

K:\21\21-40 Freeman Logistics - Bldg A\DWG\SHT S6.5 - S6.6\21-40 PANEL ELEVATIONS.dwg, SHT-S6.5, 2/6/2024 10:15:27 AM, Andy, 1:1

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PROFESSIONAL STAMP

JOHN C. HEADLAND STATE OF WASHINGTON 31757 STRUCTURAL ENGINEER PROFESSIONAL ENGINEER
2/6/2024

PROJECT INFORMATION

BUILDING A
Freeman Road Logistics
Puyallup, WA

SHEET INFORMATION

RELEASE FOR:
TITLE: PANEL ELEVATIONS
DESIGNED BY: JH
DRAWN BY: AL, TM
REVIEWED BY:
APPROVED BY:
DATE: 8-30-2023
SHEET NO: S6.5
PROJECT NO: 21-40
15 OF 17

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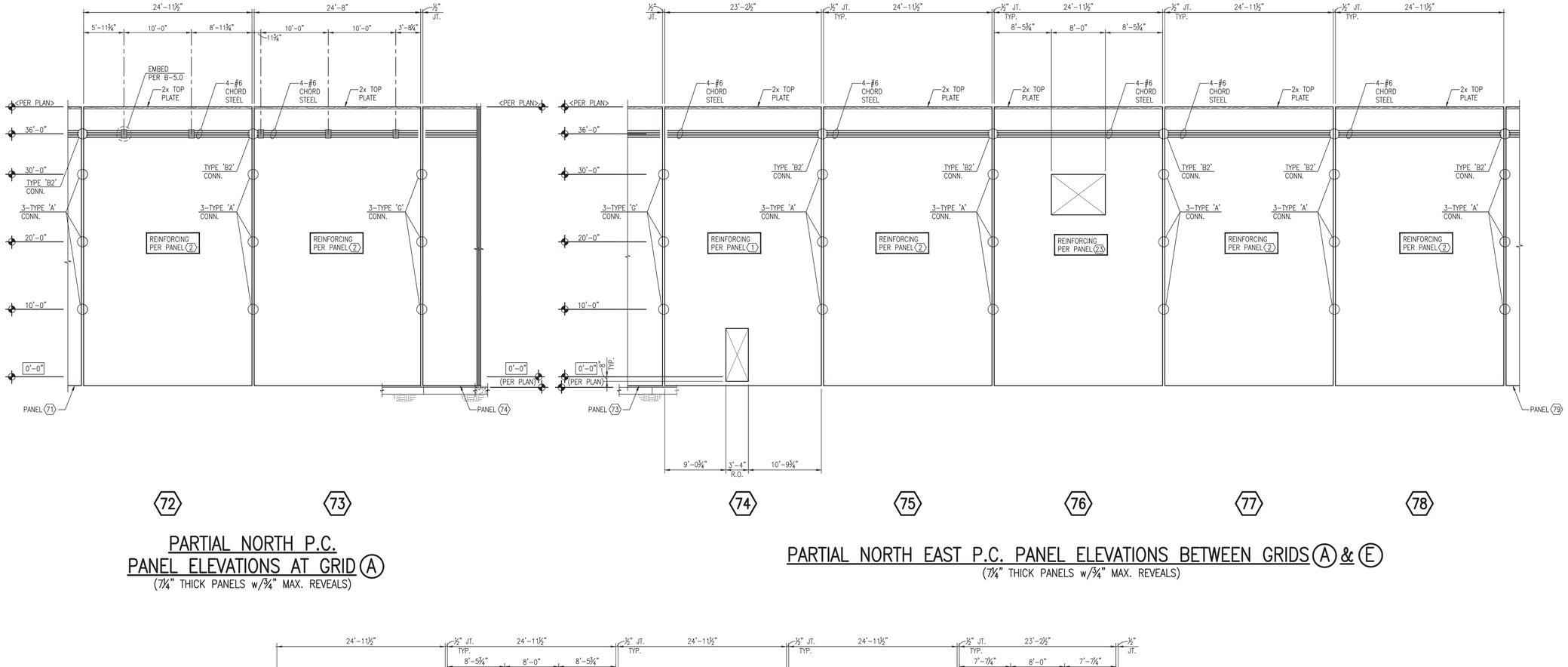


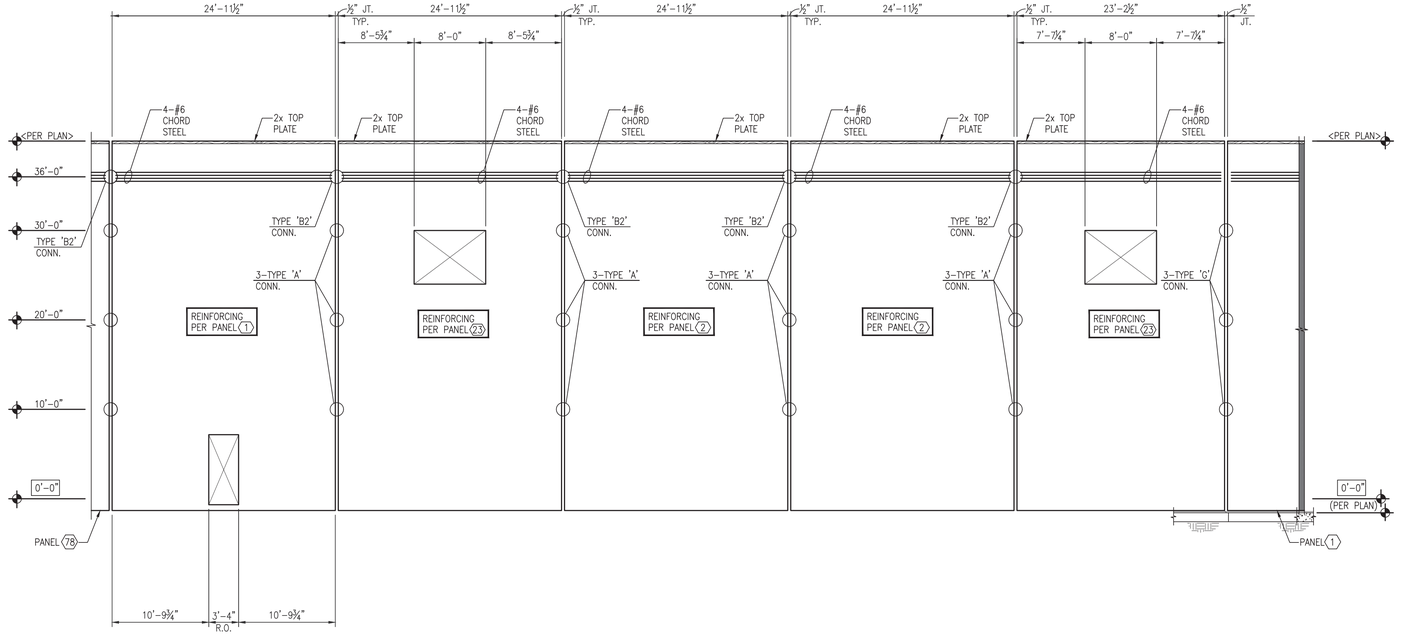
72 73 74 75 76 77 78

PARTIAL NORTH P.C. PANEL ELEVATIONS AT GRID (A)

(7¼" THICK PANELS w/¾" MAX. REVEALS)

PARTIAL NORTH EAST P.C. PANEL ELEVATIONS BETWEEN GRIDS (A) & (E)

(7¼" THICK PANELS w/¾" MAX. REVEALS)



79 80 81 82 83

PARTIAL NORTH EAST P.C. PANEL ELEVATIONS BETWEEN GRIDS (A) & (E)

(7¼" THICK PANELS w/¾" MAX. REVEALS)

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	2-6-2023	PERMIT SET

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JOHN C. HEADLAND — STATE OF WASHINGTON — 31757 — STRUCTURAL ENGINEER — PROFESSIONAL ENGINEER

2/6/2024

PROJECT INFORMATION

BUILDING A
Freeman Road Logistics
Puyallup, WA

SHEET INFORMATION

RELEASE FOR:
TITLE: PANEL ELEVATIONS

DESIGNED BY: JH
DRAWN BY: AL, TM
REVIEWED BY:
APPROVED BY:
DATE: 8-30-2023
SHEET NO: S6.6
PROJECT NO: 21-40
16 OF 17

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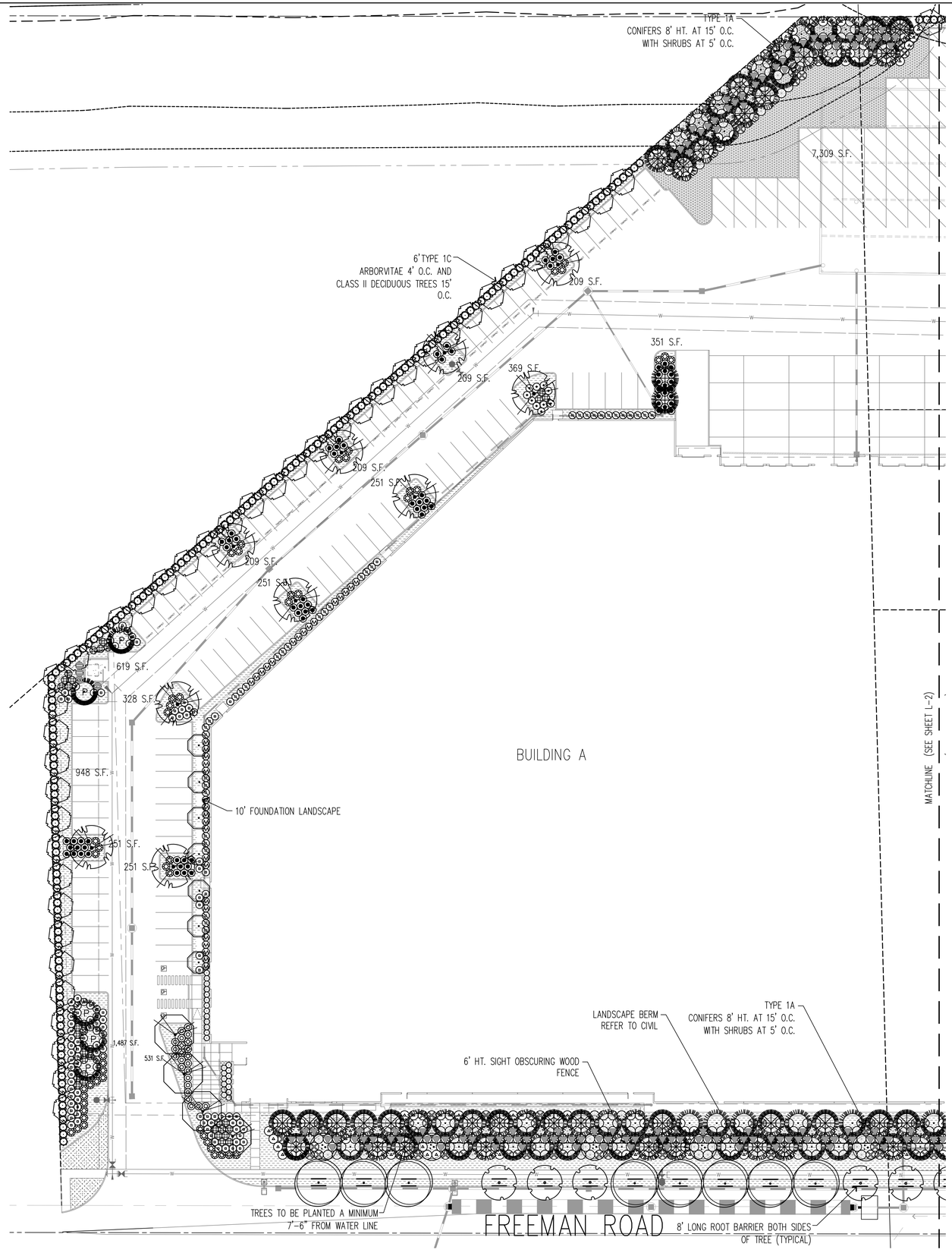
K:\21\21-40 Freeman Logistics - Bldg A\DWG\SHT S6-1--S6-6\21-40 PANEL ELEVATIONS.dwg, SHT-S6-6, 2/6/2024 10:15:28 AM, Andy, 1:1



PLANT LEGEND

SYMBOL	COMMON NAME
	STREET TREES (CLASS III–IV)
	STREET KEEPER HONEYLOCUST
	GREEN PILLAR PIN OAK
	BOULEVARD LINDEN
	MUSAHSINO COLUMNAR ZELCOVA
	MED / LARGE DECIDUOUS TREES (CLASS III–IV)
	EMERALD QUEEN MAPLE
	SYCAMORE MAPLE
	GREENSPIRE LINDEN
	COLUMNAR DECIDUOUS TREES (CLASS II)
	SERVICEBERRY
	HORNBEAM
	PURPLE DAWYCK BEECH
	EVERGREEN TREES (CLASS III–IV)
	WEEPING ALASKA CEDAR
	SERBIAN SPRUCE
	AUSTRIAN PINE
	DOUGLAS FIR
	EXCELSA WESTERN RED CEDAR
	EVERGREEN HEDGE
	SCHIPKA LAUREL
	HICKS YEW
	ARBORVITAE
	EVERGREEN SHRUBS
	STRAWBERRY TREE
	JAPANESE AUCUBA
	ENGLISH BOXWOOD
	WHITE ROCKROSE
	RED TIPS HONEYSUCKLE
	OREGON GRAPE
	PACIFIC WAX MYRTLE
	HEAVENLY BAMBOO
	VARIEGATED OSMANTHUS
	OTTO LUYKEN LAUREL
	PORTUGAL LAUREL
	SPREADING YEW
	DAVID'S VIBURNUM
	SPRING BOUQUET
	DECIDUOUS SHRUBS
	JAPANESE BARBERRY
	REDTWIG DOGWOOD
	WINGED EUONYMUS
	NINEBARK
	SHRUBBY CINQUEFOIL
	SPIREA
	SNOWBERRY
	GROUNDCOVER
	KINNIKINNICK
	DWARF REDTWIG DOGWOOD
	BIGROOT CRANESBILL
	EROSION CONTROL HYDROSEED

NOTE:
REFER TO SHEET L-3 FOR FULL PLANT SCHEDULE
WITH SIZES.

LANDSCAPE CALCULATIONS

TOTAL PAVED AREA:	154,300 S.F.
REQUIRED PARKING LOT LANDSCAPE AREA:	15,430 S.F. 10%
PROVIDED PARKING LOT LANDSCAPE AREA:	23,525 S.F.

LANDSCAPE PLAN

0 15' 30' 60' 120'

SCALE: 1" = 30' - 0"

SHEET SIZE: 24" x 36" AT 100%

WB LA Landscape Architecture Site Planning Irrigation
16630 30th Dr. S.E.
Bothell, WA 98012
phone (425) 417-4609

PROJECT:
FREEMAN ROAD
LOGISTICS
BUILDING A

LOCATION:
FREEMAN ROAD
PUYALLUP, WA

CLIENT:
VECTOR
DEVELOPMENT CO.
11335 NE 122ND WAY,
SUITE 105
KIRKLAND, WA 98034

NO.	DATE	REVISION
	11.23.2020	SEPA
	19.12.2022	SEPA RESUBMITTAL
	11.13.2023	SEPA RESUBMITTAL
	01.31.2024	BUILDING PERMIT

DESIGNED CB
DRAWN CB
CHECKED CB

PROFESSIONAL SEAL

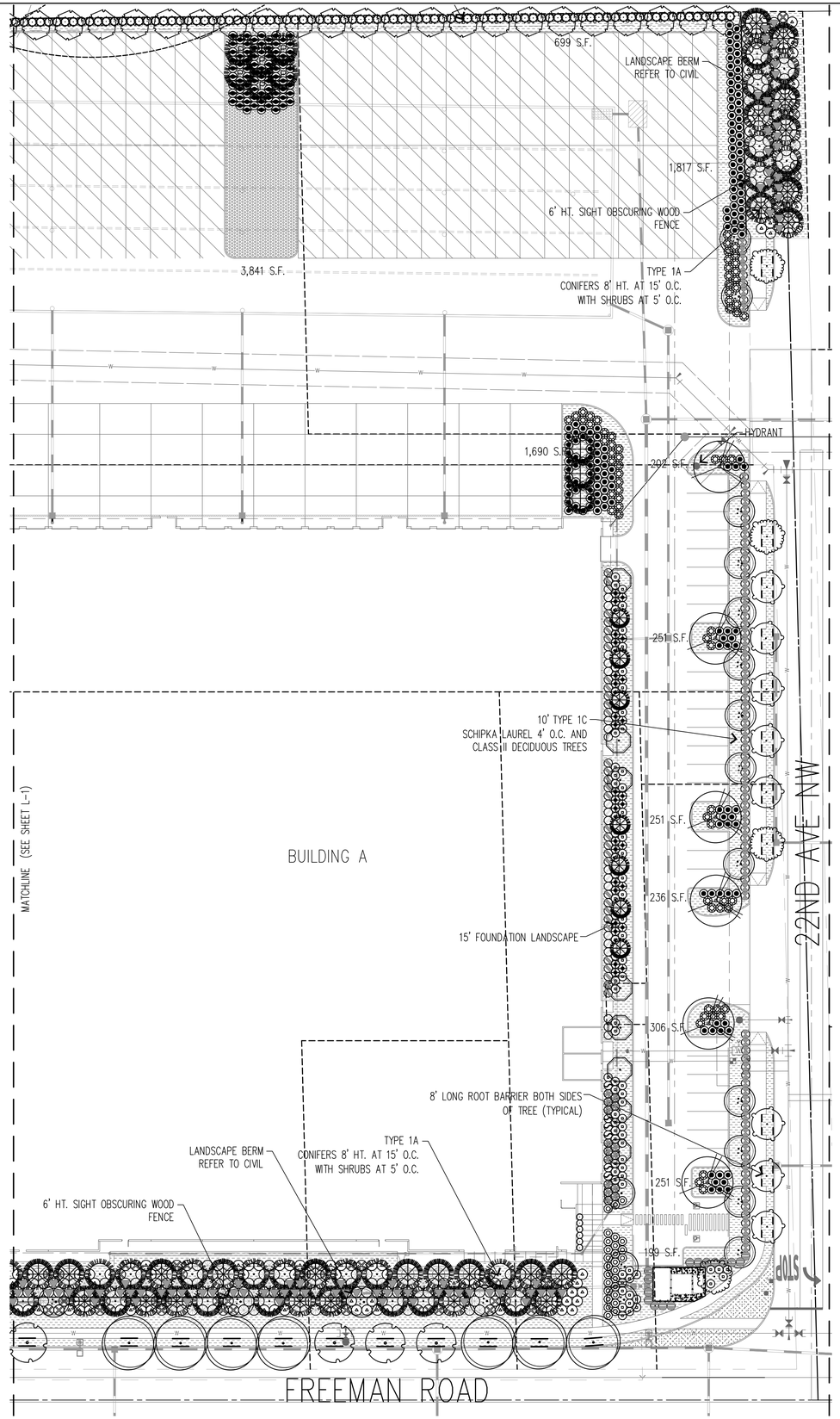
STATE OF
WASHINGTON
REGISTERED
LANDSCAPE ARCHITECT
WILLIAM A. BROWN
CERTIFICATE NO. 501

DATE 07.26.2021

PROJECT NO. 202116

TITLE
LANDSCAPE
PLAN

SHEET NUMBER
L-1



PLANT LEGEND

SYMBOL	COMMON NAME
	STREET TREES (CLASS III–IV)
	STREET KEEPER HONEYLOCUST
	GREEN PILLAR PIN OAK
	BOULEVARD LINDEN
	MUSAHSINO COLUMNAR ZELCOVA
	MED / LARGE DECIDUOUS TREES (CLASS III–IV)
	EMERALD QUEEN MAPLE
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	COLUMNAR DECIDUOUS TREES (CLASS II)
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	HORNBEAM
	PURPLE DAWYCK BEECH
	EVERGREEN TREES (CLASS III–IV)
	WEEPING ALASKA CEDAR
	SERBIAN SPRUCE
	AUSTRIAN PINE
	DOUGLAS FIR
	EXCELSA WESTERN RED CEDAR
	EVERGREEN HEDGE
	SCHIPKA LAUREL
	HICKS YEW
	ARBORVITAE
	EVERGREEN SHRUBS
	STRAWBERRY TREE
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	REDTWIG DOGWOOD
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	NINEBARK
	SHRUBBY CINQUEFOIL
	SPIREA
	SNOWBERRY
	GROUNDCOVER
	KINNIKINNICK
	DWARF REDTWIG DOGWOOD
	BIGROOT CRANESBILL
	EROSION CONTROL HYDROSEED

NOTE:
REFER TO SHEET L-3 FOR FULL PLANT SCHEDULE
WITH SIZES.

LANDSCAPE PLAN

0 15' 30' 60' 120'

SCALE: 1" = 30' - 0"

SHEET SIZE: 24" x 36" AT 100%

WB LA
Landscape Architecture
Site Planning Irrigation
16630 30th Dr. S.E.
Bothell, WA 98012
phone (425) 417-4609

PROJECT:
FREEMAN ROAD
LOGISTICS
BUILDING A

LOCATION:
FREEMAN ROAD
PUYALLUP, WA

CLIENT:
VECTOR
DEVELOPMENT CO.
11335 NE 122ND WAY,
SUITE 105
KIRKLAND, WA 98034

NO.	DATE	REVISION
	11.23.2020	SEPA
	19.12.2022	SEPA RESUBMITTAL
	11.13.2023	SEPA RESUBMITTAL
	01.31.2024	BUILDING PERMIT

DESIGNED CB
DRAWN CB
CHECKED CB

PROFESSIONAL SEAL

STATE OF
WASHINGTON
REGISTERED
LANDSCAPE ARCHITECT

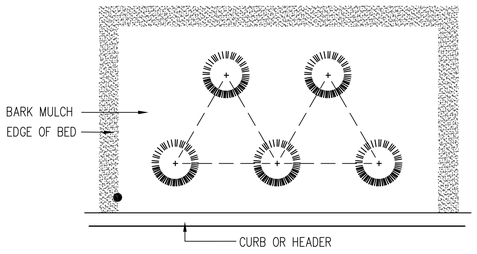
WILLIAM A. BROWN
CERTIFICATE NO. 501

DATE 07.26.2021

PROJECT NO. 202116

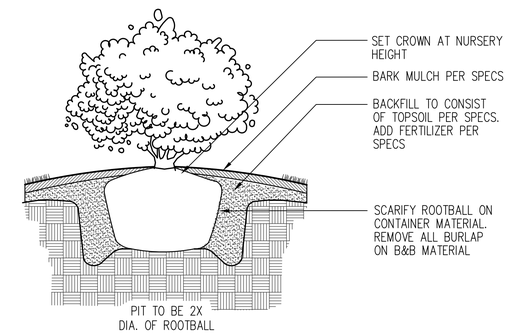
TITLE
LANDSCAPE
PLAN

SHEET NUMBER
L-2

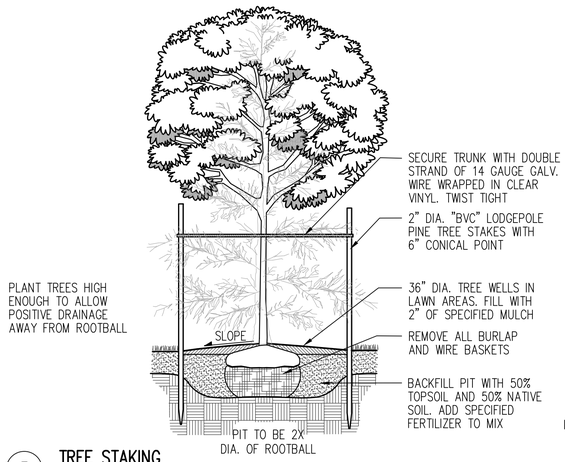


NOTE: SPACING TO BE TRIANG. PER DISTANCE SHOWN ON PLANT SCHEDULE

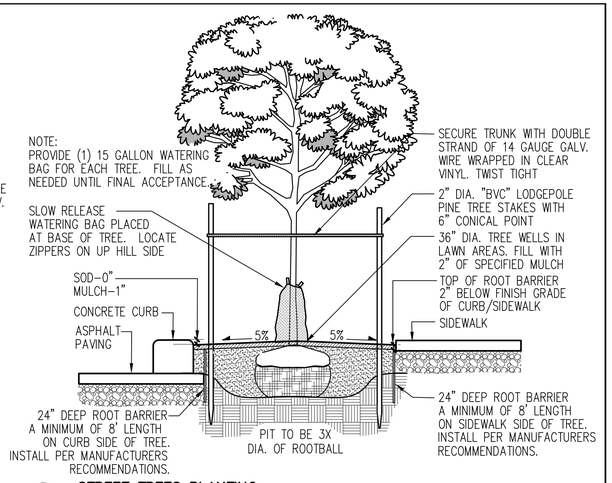
1 GROUND COVER SPACING
NTS



2 SHRUB PLANTING
NTS



3 TREE STAKING
NTS



4 STREET TREES PLANTING
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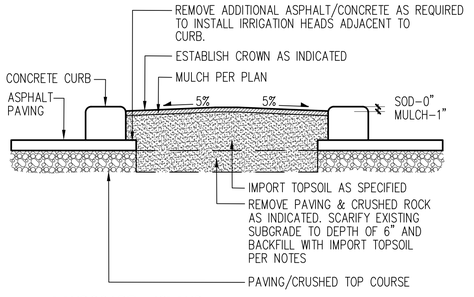

5 LANDSCAPE ISLAND
NTS

PLANT SCHEDULE

SYMBOL	BOTANICAL NAME / COMMON NAME	QTY	SIZE	REMARKS
	STREET TREES (CLASS III–IV)			
	GLEDITSIA TRIACANTHOS 'DRAVES' / STREET KEEPER HONEYLOCUST	9	MIN. 1" CAL.	B & B
	QUERCUS PALUSTRIS 'GREEN PILLAR' GREEN PILLAR PIN OAK	6	MIN. 1" CAL.	B & B
	TILIA AMERICANA 'BOULEVARD' / BOULEVARD LINDEN	15	MIN. 1" CAL.	B & B
	ZELCOVA SERRATA 'MUSASHINO' / MUSAHSINO COLUMNAR ZELCOVA	4	MIN. 1" CAL.	B & B
	MEDIUM DECIDUOUS TREES (CLASS III–IV)			
	ACER PLATANOIDES 'EMERALD QUEEN' / EMERALD QUEEN MAPLE	6	MIN. 1–1/2" CAL.	B & B
	ACER PSEUDOPLATANUS / SYCAMORE MAPLE	10	MIN. 1–1/2" CAL.	B & B
	TILIA CORDATA 'GREENSPIRE' / GREENSPIRE LINDEN	4	MIN. 1–1/2" CAL.	B & B
	COLUMNAR DECIDUOUS TREES (CLASS II)			
	AMELANCHIER X G. 'AUTUMN BRILLANCE' / SERVICEBERRY	25	MIN. 1–1/2" CAL.	B & B
	CARPINUS BETULUS 'FRANS FONTAINE' / HORNBEAM	65	MIN. 1–1/2" CAL.	B & B
	FAGUS SYLVATICA 'DAWYCK' / DAWYCK BEECH	15	MIN. 1–1/2" CAL.	B & B
	EVERGREEN TREES (CLASS II–IV)			
	CHAMAECYPARIS NOOTKATENSIS 'PENDULA' / ALASKA CEDAR	7	MIN. 5' HT.	B & B
	PICEA OMORIKA / SERBIAN SPRUCE	5	MIN. 5' HT.	B & B
	PINUS NIGRA / AUSTRIAN PINE	11	MIN. 5' HT.	B & B
	PSEUDOTSUGA MENZIESII / DOUGLAS FIR	57	MIN. 8' HT.	B & B
	THUJA PLICATA 'EXCELSA' / EXCELSA WESTERN RED CEDAR	58	MIN. 8' HT.	B & B
	EVERGREEN HEDGE			
	PRUNUS L. 'SCHIPKAENSIS' / SCHIPKA LAUREL	88	MIN. 48" HT.	B & B
	TAXUS MEDIA X 'HICKSII' / HICKS YEW	19	MIN. 48" HT.	B & B
	THUJA OCCIDENTALIS 'FASTIGIATA' / ARBORVITAE	264	MIN. 48" HT.	B & B

PLANT SCHEDULE

SYMBOL	BOTANICAL NAME / COMMON NAME	QTY	SIZE	REMARKS
	EVERGREEN SHRUBS			
	ARBUTUS UNEDO 'COMPACTA' / STRAWBERRY TREE	36	5 GAL.	
	AUCUBA JAPONICA 'ROZANNIE' / JAPANESE AUCUBA	34	5 GAL.	
	BUXUS S. 'GRAHAM BLANDY' / ENGLISH BOXWOOD	20	5 GAL.	
	CISTUS X HYBRIDUS / WHITE ROCKROSE	10	5 GAL.	
	LONIERCA N. 'RED TIPS' / RED TIPS HONEYSUCKLE	78	5 GAL.	
	MAHONIA AQUIFOLIUM 'COMPACTA' / OREGON GRAPE	188	5 GAL.	
	MYRICA CALIFORNICA / PACIFIC WAX MYRTLE	207	5 GAL.	
	NANDINA D. 'SIENNA SUNRISE' / HEAVENLY BAMBOO	15	5 GAL.	
	OSMANTHUS H. 'GOSHIKI'/ VARIEGATED OSMANTHUS	6	5 GAL.	
	PRUNUS L. 'OTTO LUYKEN' / OTTO LUYKEN LAUREL	45	5 GAL.	
	PRUNUS LUSITANICA / PORTUGAL LAUREL	32	5 GAL.	
	TAXUS X MEDIA 'DENSIFORMIS' / SPREADING YEW	224	5 GAL.	
	VIBURNUM DAVIDII / DAVID'S VIBURNUM	188	5 GAL.	
	VIBURNUM T. 'SPRING BOUQUET' / SPRING BOUQUET	21	5 GAL.	
	DECIDUOUS SHRUBS			
	BERBERIS T. ATROPURPUREA 'PYGMY RUBY' / JAPANESE BARBERRY	12	5 GAL.	
	CORNUS SERICEA 'BAILEY' / REDTWIG DOGWOOD	323	5 GAL.	
	EUONYMUS ALATUS 'COMPACTUS' / WINGED EUONYMUS	29	5 GAL.	
	PHYSOCARPUS O. 'SUMMER WINE' / NINEBARK	36	5 GAL.	
	POTENTILLA 'GOLDFINGER' / SHRUBBY CINQUEFOIL	118	5 GAL.	
	SPIRAEA X BUMALDA 'ANTHONY WATERER' / SPIREA	5	5 GAL.	
	SYMPHORICARPOS ALBUS / SNOWBERRY	157	5 GAL.	
	GROUNDCOVER			
	ARCHTOSTAPHYLOS UVA–URSI / KINNIKINNICK	TBD	1 GAL.	36" O.C.
	CORNUS SERICA 'KELSYI' / DWARF REDTWIG DOGWOOD	TBD	1 GAL.	24" O.C.
	GERANIUM MACRORRHIZUM / BIGROOT CRANESBILL	TBD	1 GAL.	24" O.C.
	EROSION CONTROL SEED MIX:		HYDROSEED	SEED–80 LBS / ACRE
	45% FESTUCA ARUNDINACEA VAR. / DWARF TALL FESCUE			MULCH–1,500 LBS / ACRE
	30% LOLIUM PERENNE VAR. BARCLAY / DWARF PERENNIAL RYE (BARCLAY)			
	20% FESTUCA RUBRA / RED FESCUE			
	5% AGROSTIS TENUIS 'HIGHLAND STRAIN / COLONIAL BENTGRASS			

LANDSCAPE NOTES

1. ALL NEW PLANTING BEDS TO RECEIVE A MINIMUM 18" OF TOPSOIL. INSTALLED IN THREE LIFTS OF 6" DEPTH, WITH THE FIRST LIFT ROTOTILLED INTO THE SUBGRADE TO A MINIMUM DEPTH OF 8". TOPSOIL TO CONSIST OF 40% BY VOLUME NATIVE LOAM SOIL, 40% BY VOLUME SAND, AND 20% BY VOLUME COMPOST. TOPSOIL TO BE UNIFORMLY AMENDED FOR FERTILITY AND PH AS RECOMMENDED BY A CURRENT SOILS TEST PROVIDED BY A APPROVED SOIL TEST LABORATORY FOR NEW LANDSCAPE PLANTING.
2. ALL NEW PLANTER BEDS TO HAVE MEDIUM/FINE (3" MINUS) BARK MULCH INSTALLED TO A MINIMUM DEPTH OF 2". MAINTAIN A 6" MULCH FREE RING AROUND TRUNKS OF ALL TREES AND SHRUBS.
3. GROUNDCOVER TO EXTEND UNDER ALL DECIDUOUS TREE CANOPIES AT THE SPECIFIED SPACING TO PROVIDE COMPLETE COVERAGE IN ALL PLANTING BEDS SHOWN TO RECEIVE GROUNDCOVER. GROUNDCOVER BENEATH EVERGREEN TREES TO MAINTAIN A 3' CLEARANCE FROM BASE OF TREE.
4. TREES TO MAINTAIN A MINIMUM 5' CLEARANCE FROM FIRE HYDRANTS, 7.5' FROM WATER AND SEWER LINES, 7.5' FROM DRIVEWAYS AND BUILDINGS (TYPE I AND TYPE II), 10' FROM UTILITY POLES AND SIGNS, 30' FROM INTERSECTIONS (FACE OF CURB) AND STREET SIGNS (LEADING SIDE). SHRUBS TO MAINTAIN A MINIMUM 3' CLEARANCE FIRE HYDRANTS, BACKFLOW DEVICES, AND METERS.
5. ALL PLANT MATERIAL HAS BEEN SELECTED TO BE DROUGHT TOLERANT. SUBSTITUTIONS IF REQUIRED TO ALSO BE DROUGHT TOLERANT, BE OF THE SAME GENERAL CHARACTER OF PLANT SUBSTITUTED, AND TO BE APPROVED BY LANDSCAPE ARCHITECT.
6. ALL NEW PLANTING TO BE FERTILIZED WITH STARTER FERTILIZER 2–4–2, OR APPROVED EQUAL, APPLIED AT MANUFACTURERS RECOMMENDED RATE. TREES AND SHRUBS TO BE FERTILIZED WITH AGSAFE 20–10–5, 21 GRAM PLANT TABS, APPLIED AT MANUFACTURERS RECOMMENDED RATE.
7. LANDSCAPE DRAWINGS ARE BASED ON THE SITE PLANS PREPARED BY SYNTHESIS ARCHITECTS PLLC. IMMEDIATELY NOTIFY LANDSCAPE ARCHITECT OF ANY FIELD CHANGES TO THE SITE PLAN THAT MAY REQUIRE ADJUSTMENT OF DESIGN.
8. REFER TO CIVIL ENGINEERING DRAWINGS FOR GRADING AND DRAINAGE INFORMATION. IMMEDIATELY NOTIFY LANDSCAPE ARCHITECT ON ANY ADVERSE DRAINAGE CONDITIONS WHICH MAY AFFECT HEALTH OF PLANT MATERIAL.
9. ALL TREES IN PLANTER STRIPS AND TREES WITHIN 4' OF SIDEWALK TO HAVE ROOT BARRIER INSTALLED MEETING CITY OF PUYALLUP STANDARDS. 24" DEEP PANELS A MINIMUM 8' LENGTH CENTERED ON TREE ON SIDEWALK SIDE OF TREE.
10. WARRANTY ALL PLANTING FOR 1 YEAR FROM FINAL ACCEPTANCE. REPLACE PLANTING THAT HAS DIED OR DYING.
11. ALL NEW LANDSCAPE TO BE IRRIGATED WITH A HIGH EFFICIENCY IRRIGATION SYSTEM. EROSION CONTROL HYDROSEED TO HAVE TEMPORARY ABOVE GRADE IRRIGATION. TREES AND SHRUBS WITHIN EROSION CONTROL AREAS TO HAVE DRIP POINT SOURCE EMITTERS. IRRIGATION TO BE PROVIDED WITH A ET ADJUSTED IRRIGATION CONTROLLER WITH A ON SITE ET SENSOR.
12. NO IRRIGATION TO BE INSTALLED WITHIN R.O.W. OR FUTURE R.O.W. PROVIDE (1) SLOW RELEASE 15 GALLON WATERING BAG FOR EACH TREE IN R.O.W. FILL EACH WATERING BAG WITH WATER 1–2 TIMES A WEK OR AS NEEDED UNTIL FINAL ACCEPTANCE.

LANDSCAPE LEGEND

– – – – ROOT BARRIER
NDS EP–2450, 24" DEEP ROOT BARRIER

WBLA Landscape Architecture Site Planning Irrigation
16630 30th Dr. S.E.
Bothell, WA 98012
phone (425) 417-4609

PROJECT:
FREEMAN ROAD LOGISTICS BUILDING A

LOCATION:
FREEMAN ROAD
PUYALLUP, WA

CLIENT:
VECTOR DEVELOPMENT CO.
11335 NE 122ND WAY, SUITE 105
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DESIGNED CB
DRAWN CB
CHECKED CB

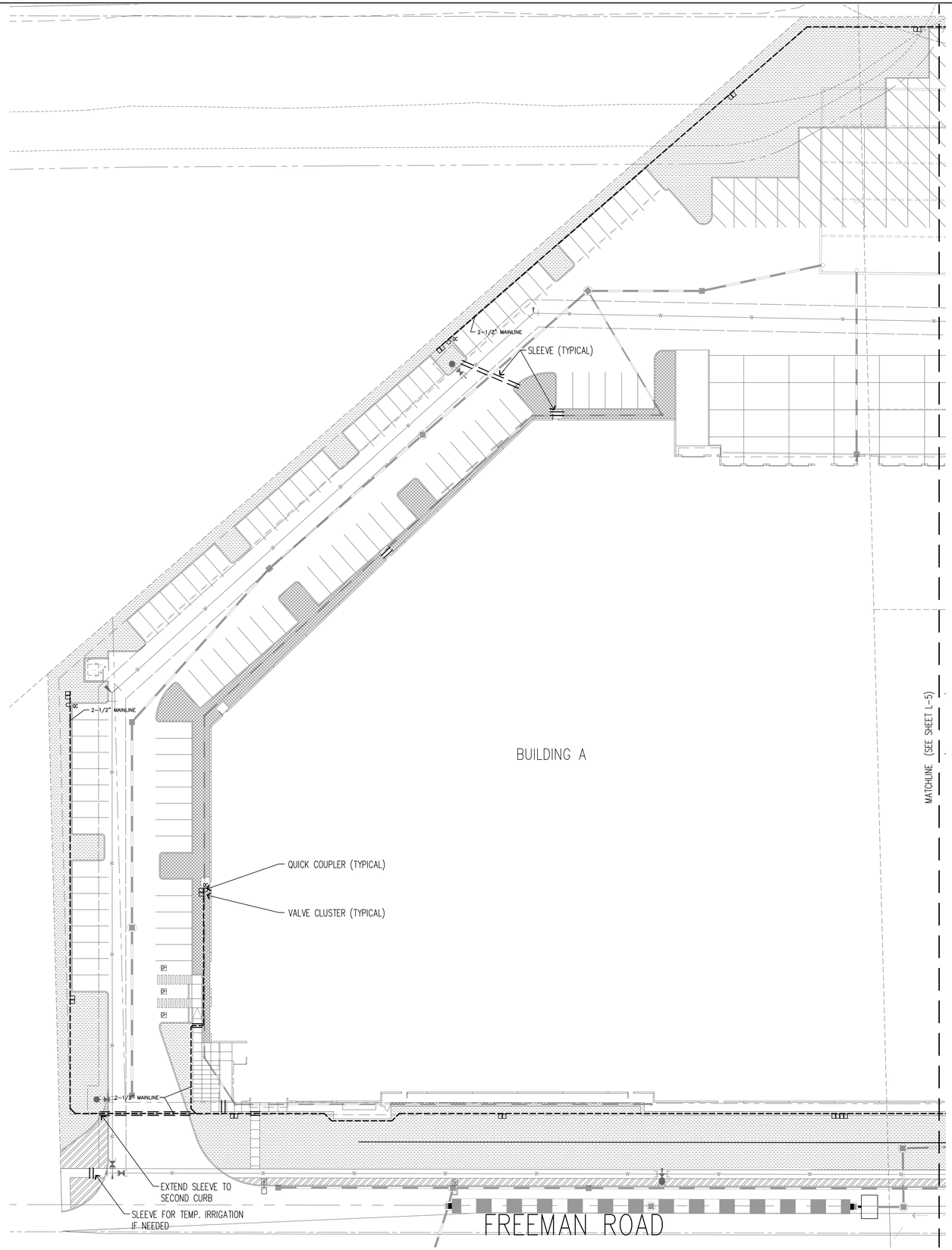
PROFESSIONAL SEAL
STATE OF WASHINGTON
REGISTERED
LANDSCAPE ARCHITECT
WILLIAM A. BROWN
CERTIFICATE NO. 501

DATE 07.26.2021
PROJECT NO. 202116

TITLE
LANDSCAPE DETAILS

SHEET NUMBER
L-3

SHEET SIZE: 24" x 36" AT 100%



IRRIGATION LEGEND

SYM.	DESCRIPTION
	Shrub Irrigation Hunter PROS-06-PRS40 6" pop-us with Hunter Rotator Nozzles 8'-30' Radius and/or Side strips.
	Shrub Irrigation Hunter HDL-06-12, Dripline spaced 18" o.c. with 3-4" topsoil cover.
	Hydroseed / Trees in R.O.W. Provide water to irrigation bags for trees as needed until final acceptance. Provide water for hydroseed as needed until fully established
	irrigation Point of Connection
	Irrigation Controller
	Irrigation Valve Boxes
	Quick Coupler
	Irrigation Mainline
	Sleeving

IRRIGATION SCHEDULE

2" Irrigation Meter (refer to Water Civil Drawings)
Point of Connection:
- (1) 2" Bronze Gate Valve
- (1) 2" Febco 950XLT, Double Check Valve Assembly
- (1) 2" WILKENS 600U, Pressure Reducing Valve
- (1) Hunter HQ44-LRC, 1" Quick Coupler
- (1) Hunter ICV-201G, 2" Master Valve

Irrigation Controller:
Hunter I2C-800-M-ICM-2200-(2) ICM-800-EZ-DM , 46 station 2-wire decoder system
W/ Hunter WSS-SEN, Wireless Solar Sync ET/Rain Sensor

Hunter PROS-06-PRS40-CV, 6" Pop-up Rotator

HUNTER HDL-06-12, DURA FLOW Dripline with 0.60 GPH drip emitters @ 12" o.c.
w/ NDS tie-down stakes @ 3' o.c. and Hunter PLD-LOC fittings as needed.
Use Hunter flush valves and air/vacuum relief valves as required for each isolated area.

Hunter PLD-AVR, Air Releif valve

Hunter AFV-B, Automatic Flush valve

Hunter ICV-SERIES, Automatic Valve
Provide Hunter EZ-1 Decoders and Surge Arresters as needed

Hunter ICZ-SERIES, Drip Control Zone Kit
Provide Hunter EZ-1 Decoders and Surge Arresters as needed

Hunter HQ44-LRC-HSJ-1, 1" Quick Coupler w/ locking rubber cap

Mainline, 2-1/2" Schedule 40 PVC

Lateral, (size per pipe size table) Class 200 PVC

Sleeving, Schedule 40 PVC (2x size of interior pipe, minimum 6")

PIPE SIZING TABLE

PIPE SIZE	MAX. G.P.M.
3/4" PVC Class 200	Up to 10 G.P.M.
1" PVC Class 200	Up to 16 G.P.M.
1-1/4" PVC Class 200	Up to 26 G.P.M.
1-1/2" PVC Class 200	Up to 35 G.P.M.
2" PVC Class 200	Up to 55 G.P.M.
2-1/2" PVC Class 200	Up to 80 G.P.M.

IRRIGATION NOTES

1. IRRIGATION TO BE DESIGN/BUILD PROVIDING COMPLETE COVERAGE OF ALL NEW PLANTING EXCEPT PLANTING IN R.O.W.
2. VERIFY EXISTING STATIC P.S.I. BEFORE INSTALLATION OF IRRIGATION. NOTIFY LANDSCAPE ARCHITECT IF P.S.I. IS LESS THAN 65 STATIC P.S.I.
3. VERIFY LOCATIONS OF ALL UNDERGROUND UTILITIES PRIOR TO COMMENCEMENT OF WORK. PROTECT ALL NEW AND EXISTING UTILITIES. PROMPTLY NOTIFY THE LANDSCAPE ARCHITECT OF ANY CONFLICT BETWEEN PROPOSED WORK AND OBSTRUCTIONS.
4. IRRIGATION CONTRACTOR SHALL PROVIDE PROTECTION OF ALL PROPERTY, WORK IN PROGRESS, STRUCTURES, UTILITIES, WALKS, CURBS, PAVED SURFACES AND EXISTING LANDSCAPE AND IRRIGATION TO REMAIN DURING THE INSTALLATION OF THE LANDSCAPE AND IRRIGATION WORK. VERIFY LOCATIONS OF UNDERGROUND UTILITIES PRIOR TO COMMENCEMENT OF WORK AD PROTECT SAID UTILITIES.
5. IRRIGATION CONTRACTOR SHALL OBTAIN AND PAY FOR ALL NECESSARY PERMITS AND FEES AS REQUIRED BY APPLICABLE CODES AND ORDINANCES FOR THIS WORK. ALL WORK TO BE INSTALLED PER LOCAL CODE REQUIREMENTS AND MANUFACTURE'S SPECIFICATIONS.
6. PRESSURIZE MAINLINE TO 100 P.S.I. FOR A PERIOD OF 2 HOURS. CHECK ALL JOINTS AND CONNECTIONS FOR LEAKS AND REPAIR AS REQUIRED. PROVIDE WRITTEN DOCUMENTATION THAT A PRESSURE TEST TO OWNERS REPRESENTATIVE, THAT TEST HAS BEEN COMPLETED WITH NO MORE THAN A 5 P.S.I. LOSS DURING THE TEST DURATION.
7. UPON THE COMPLETION OF IRRIGATION WORK, OPERATE THE SYSTEM IN THE PRESENCE OF THE OWNERS REPRESENTATIVE. ADJUST AS NEEDED TO PROVIDE FULL COVERAGE AND MINIMIZE OVER SPRAY.
8. GUARANTEE ALL MATERIALS AND WORKMANSHIP FOR A PERIOD OF ONE YEAR, COMMENCING AT THE TIME OF FINAL ACCEPTANCE. THE GUARANTEE DOES NOT APPLY TO WORK OR DAMAGE DONE TO THE IRRIGATION SYSTEM BY OTHERS AFTER FINAL ACCEPTANCE.
9. PRIOR TO FINAL ACCEPTANCE, PROVIDE THE OWNER WITH A CLEARLY DRAWN REPRODUCIBLE RECORD DRAWING SHOWING OR NOTING ACTUAL LOCATIONS OF CONTROLLER, SENSOR, MAINLNE, VALVES, QUICK COUPLERS, AIR VACUUM RELIEF VALVES, AND FLUSH VALVES. RECORD DRAWING TO NOTE ACTUAL PRODUCTS INSTALLED IF DIFFERENT THAN ORIGINALLY SPECIFIED PRODUCTS.
10. NO IRRIGATION WITHIN R.O.W. PROVIDE WATER AS NEEDED FOR HYDROSEEDED AREAS UNTIL FULLY ESTABLISHED. PROVIDE WATER FOR STREET TREES IN IRRIGATION BAGS AS NEEDED UNTIL FINAL ACCEPTANCE.
11. REFER TO SHEET L-6 FOR IRRIGATION DETAILS.

IRRIGATION PLAN

0 15' 30' 60' 120'

SCALE: 1" = 30' - 0"

SHEET SIZE: 24" x 36" AT 100%

WBLA
Landscape Architecture
Site Planning Irrigation
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LOCATION:
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PUYALLUP, WA

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PROFESSIONAL SEAL

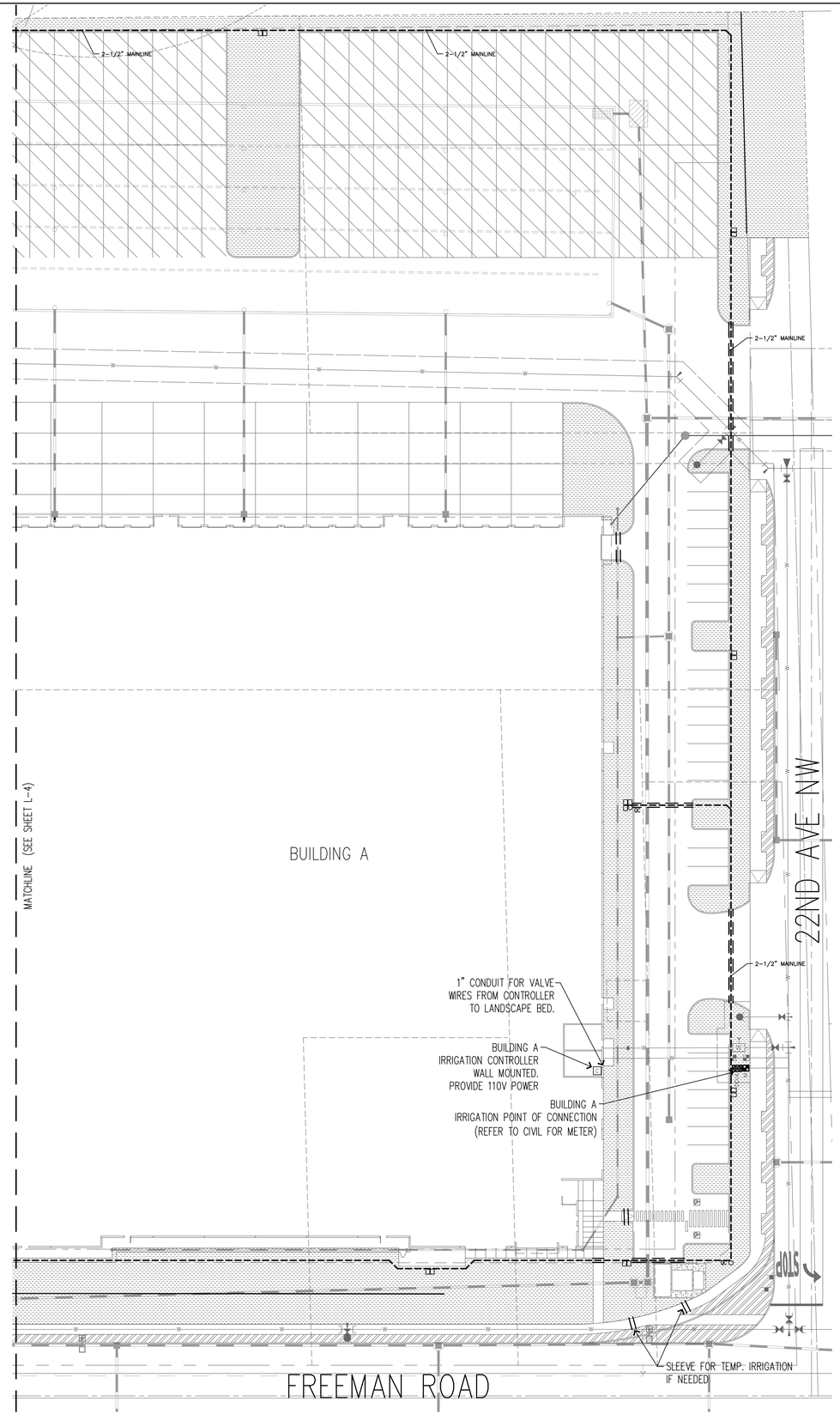
STATE OF WASHINGTON
REGISTERED
LANDSCAPE ARCHITECT
WILLIAM A. BROWN
CERTIFICATE NO. 501

DATE 07.26.2021

PROJECT NO. 202116

TITLE
IRRIGATION PLAN

SHEET NUMBER
L-4



IRRIGATION LEGEND

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	Hydroseed / Trees in R.O.W. Provide water to irrigation bags for trees as needed until final acceptance. Provide water for hydroseed as needed until fully established
	irrigation Point of Connection
	Irrigation Controller
	Irrigation Valve Boxes
	Quick Coupler
	Irrigation Mainline
	Sleeving

IRRIGATION NOTES

1. REFER TO SHEET L-4 FOR IRRIGATION SCHEDULE AND NOTES. REFER TO SHEET L-6 FOR IRRIGATION DETAILS.

IRRIGATION PLAN

0 15' 30' 60' 120'

SCALE: 1" = 30' - 0"

SHEET SIZE: 24" x 36" AT 100%

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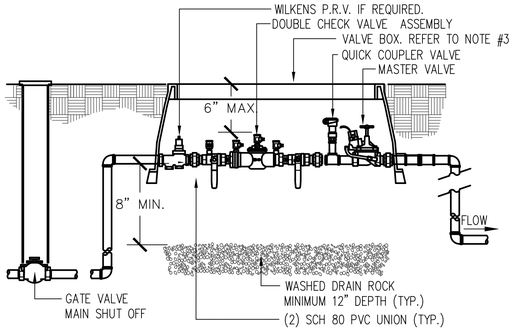
WILLIAM A. BROWN
CERTIFICATE NO. 501

DATE 07.26.2021

PROJECT NO. 202116

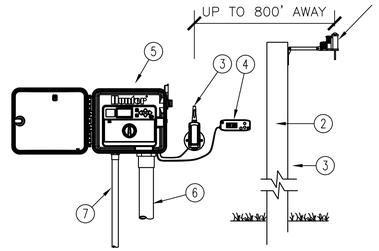
TITLE
IRRIGATION PLAN

SHEET NUMBER
L-5



NOTE:
1. INSTALLATION SHALL CONFORM WITH CITY OF PUYALLUP STANDARDS. REVIEW CURRENT CITY STANDARDS.
2. WHEN TEST COCKS ARE FACING SIDEWAYS THERE MUST BE A MIN. OF 6" CLEARANCE. TEST COCKS TO BE PLUGGED.
3. FOR 3/4" & 1" DEVICES, CARSON JUMBO BOXES FOR 1-1/2" & 2" DEVICES, INSTALL FOG TITE #2 REINFORCED CONCRETE BOXES

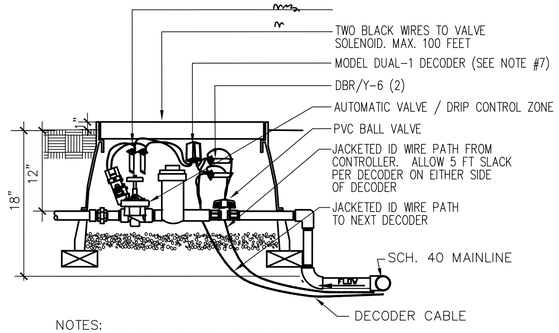
1 POINT OF CONNECTION
NTS



1. MODEL: WIRELESS SOLAR SYNC SENSOR, MOUNT UP TO 800' FROM RECEIVER
2. MOUNT SENSOR ON ROOF PARPIT ABOVE CONTROLLER LOCATION WHERE SENSOR CAN RECEIVE FULL SUN, IS OPEN TO RAINFALL.
3. WIRELESS SOLAR SYNC RECEIVER MOUNTED ON THE WALL NEXT TO THE CONTROLLER CABINET
4. MODEL: SOLAR SYNC MODULE MOUNT LESS THAN 6' AWAY FROM CONTROLLER
5. HUNTER I-CORE CONTROLLER WALL MOUNTED
6. VALVE CONTROL WIRE CONDUIT TO EXTERIOR LANDSCAPE BED
7. 1/2" POWER SUPPLY CONDUIT J-BOX INSIDE CONTROLLER CONNECT PER LOCAL CODE

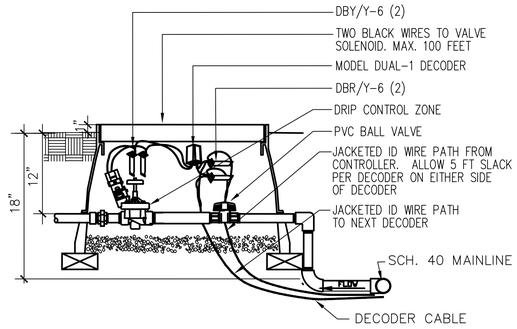
NOTE
MOUNT CONTROLLER WITH LCD SCREEN AT EYE LEVEL. CONTROLLER SHALL BE HARD-WIRED TO GROUNDED 110 or 220 VAC SOURCE.

2 IRRIGATION CONTROLLER
NTS



NOTES:
1. VALVE BOX SHALL NOT REST ON PIPES.
2. ALL PIPE AND FITTINGS WITHIN VAULT TO BE SCH 40 PVC SAME SIZE AS OUTLET LATERAL PIPE.
3. PROVIDE EXPANSION COILS AT EACH WIRE CONNECTION IN VALVE BOX.
4. COMPACT SOIL AROUND VALVE BOX TO SAME DENSITY AS UNDISTURBED ADJACENT SOIL.
5. PROVIDE VALVE BOX EXTENSIONS AS REQUIRED.
6. TAPE CONTROL WIRES AND SPARE TO BOTTOM OF MAINLINE (TYPICAL).
7. INSTALL GROUNDING RODS AND SURGE ARRESTORS PER MANUFACTURERS RECOMMENDATIONS.

3 AUTOMATIC VALVE
NTS



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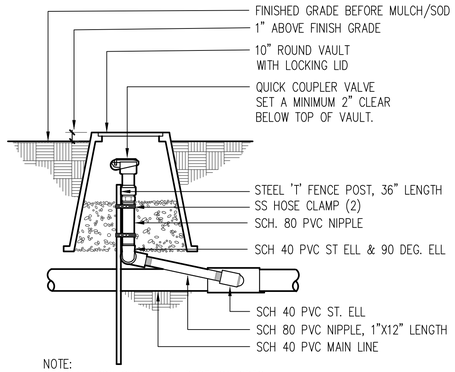
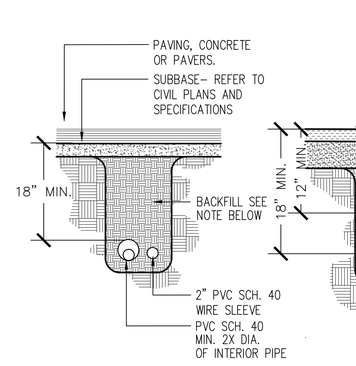
4 DRIP CONTROL ZONE
NTS



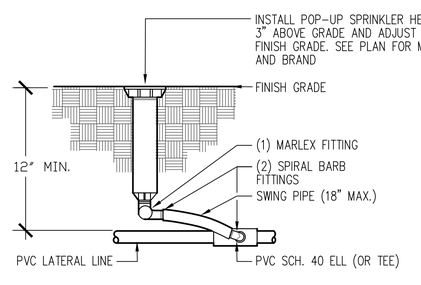
NOTE:
1. VALVE BOX SHALL NOT REST ON PIPES.
2. VALVE TO BE SET PLUM & CENTERED IN VALVE BOX.
3. PROVIDE DRAIN ROCK TO A MINIMUM DEPTH OF 6".
4. CONTRACTOR TO PROVIDE (1) EACH QCV KEY AND SWIVEL HOSE ELL.

5 QUICK COUPLER
NTS

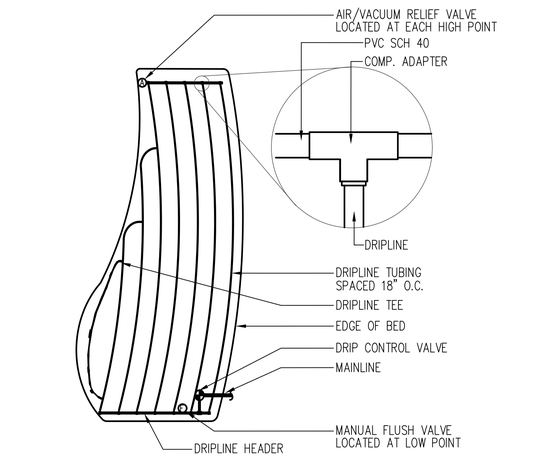


NOTE:
1. BACKFILL TO BE FREE OF ROCK OR DEBRIS LARGER THAN 1" DIA. ABSOLUTELY NO ROCK OR DEBRIS SHALL BE PLACED DIRECTLY ADJACENT TO ANY PIPE.
2. REPLACE DISTURBED OR DAMAGED LANDSCAPE.

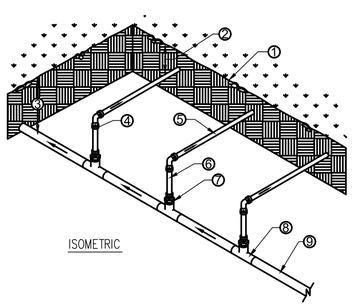
6 SLEEVING / PIPE TRENCHING
NTS



7 POP-UP SPRINKLER
NTS



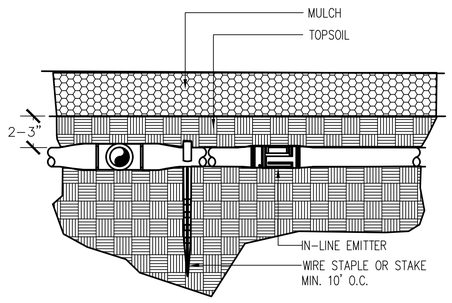
8 DRIPLINE LAYOUT
NTS



1. FINISH GRADE
2. MINIMUM 2-3" TOPSOIL COVER
3. DEPTH OF PVC SUPPLY MANIFOLD MINIMUM 12"
4. SMART-LOC FITTINGS FOR 90's AND TEE'S
5. DRIPLINE
6. BLANK POLY TUBING LENGTH AS NEEDED
7. 1/2" MTP ADAPTER
8. PVC TEE (SxSxT) WITH 1/2" FPT
9. PVC SUPPLY MANIFOLD FROM DRIP ZONE KIT

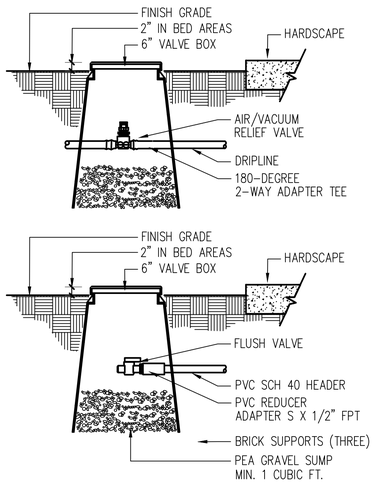
NOTES:
1. INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURERS SPECIFICATIONS.
2. AIR/VACUUM RELIEF VALVE TO BE PLACED ON BLANK TUBING AT HIGH POINT OF DRIPLINE.

9 DRIPLINE HEADER
NTS



NOTE:
1. NO DRIPLINE SHALL BE VISABLE ON THE SURFACE.

10 DRIP EMITTER
NTS



11 AIR VACUUM RELIEF VALVE / FLUSH VALVE
NTS

SHEET SIZE: 24" x 36" AT 100%

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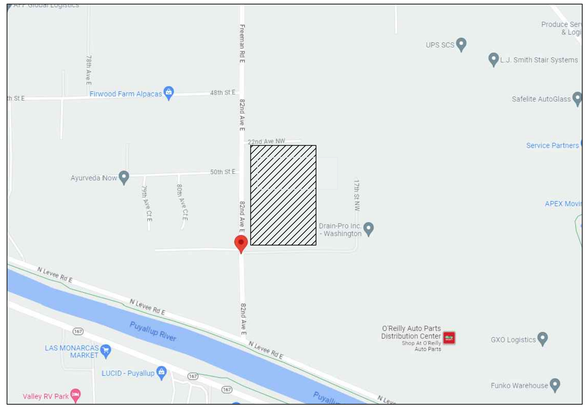
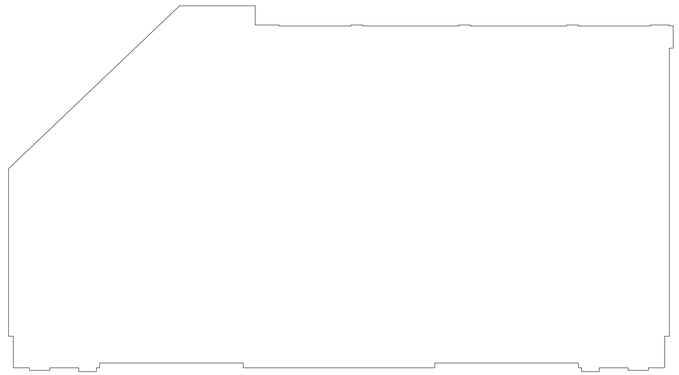
IRRIGATION DETAILS

SHEET NUMBER
L-6



1 VICINITY MAP
NOT TO SCALE



2 SITE MAP
NOT TO SCALE

GAS UNIT HEATER SCHEDULE

MARK	MANF.	MODEL	INPUT (BTU/h)	OUTPUT (BTU/h)	VOLTAGE (V)	EFF. (%)	NET. WT. (lb)
UH 1-6	REZNOR	UDX-350	350,000	290,500	115	83	303

NOTES: 42° SET POINT THERMISTER INTEGRAL TO UNIT

SEMI-HEATED SPACE CALCULATION PER WSEC C402.1.4

MAXIMUM HEATING SYSTEM OUTPUT CAPACITY PER DEFINITION WSEC SECTION C202 = 8 BTU/H/FT^2
WAREHOUSE AREA = 231,063 FT^2
MAXIMUM OUTPUT ALLOWED = 8 BTU/H/FT^2 * 231,063 FT^2 = 1,848,504 > 1,743,000 BTU/H (6 UNIT HEATERS * 290,500 BTU/H)

ELECTRIC WALL HEATER SCHEDULE

MARK	MANF.	MODEL	VOLT	PHASE	WATTS	AMPS	WEIGHT	NOTES
EWH-1	KING	PAWI215	120	1	1500	12.5	8 LBS	1,2

NOTES:
1. WITH INTEGRAL THERMOSTAT
2. PROVIDE WALL BOX

EXHAUST FAN SCHEDULE

MARK	MANF.	MODEL	CFM	S.P.	VOLTS	PHASE	HP/A	NOTES
EF-1	BROAN	L250	250	0.25	120	1Ø	2.1 A	1

NOTES:
1. INTERLOCK WITH LINE VOLTAGE THERMOSTAT BY ELEC. CONTRACTOR

ROOFTOP EXHAUST FAN SCHEDULE

MARK	MANF.	MODEL	CFM	S.P.	VOLTS	PHASE	HP	WEIGHT (LBS)	NOTES
REF 1-3	GREENHECK	GB-180-VGD-15	4,700	0.25	460	3Ø	1.5 HP	159	1

NOTES:
1. SWITCHED TO RUN CONTINUOUSLY BY ELECTRICAL CONTRACTOR

PER IMC TABLE 403.3 WAREHOUSE FANS TO EXHAUST MINIMUM OF 0.06 CFM/FT^2
WAREHOUSE AREA= 231,060 FT^2
MINIMUM EXHAUST ALLOWED= 231,060 FT^2 * 0.06 CFM= 13,863 CFM/FT^2< 14,100 CFM = (3 FANS * 4,700 CFM)

GOVERNING CODE INFORMATION

2018 INTERNATIONAL BUILDING CODE WITH STATEWIDE AMENDMENTS
2018 INTERNATIONAL MECHANICAL CODE WITH STATEWIDE AMENDMENTS
2018 INTERNATIONAL FIRE CODE WITH STATEWIDE AMENDMENTS
2018 INTERNATIONAL ENERGY CONSERVATION CODE/WASHINGTON STATE ENERGY CODE
2018 INTERNATIONAL EXISTING BUILDING CODE WITH STATEWIDE AMENDMENTS FOUND IN THE IBC

COMMISSIONING PLAN

ALL COMMISSIONING OF HEATING, VENTILATION AND AIR CONDITIONING SYSTEMS AS REQUIRED BY SECTION C408 "SYSTEM COMMISSIONING" OF THE 2018 WASHINGTON STATE ENERGY CODE (WSEC) SHALL BE PERFORMED BY EVERGREEN REFRIGERATION, LLC. THE ACTIVITIES TO BE ACCOMPLISHED ARE PER THE SECTIONS LISTED IN THE "COMMISSIONING COMPLIANCE CHECKLIST" SHOWN BELOW. AT THE COMPLETION OF THE ACTIVITIES REQUIRED FOR COMMISSIONING AS DEFINED BY SECTION C408 OF WSEC THE "COMMISSIONING COMPLIANCE CHECKLIST" WILL BE REVIEWED WITH THE BUILDING OWNER OR THE OWNER'S REPRESENTATIVE AND THIS CERTIFICATION WILL BE SIGNED AND DATED. THIS WILL SATISFY TO THE CODE OFFICIAL THAT THE REPORT HAS BEEN ACCEPTED AS REQUIRED BY SECTION C408.1.3 OF WSEC.

COMMISSIONING COMPLIANCE CHECKLIST

PROJECT INFORMATION

- **Project Name:**
- **Project Address:**
- **Certified Commissioning Professional:**
- **Type of ISO Certification and Number:**

SUPPORTING DOCUMENTS

- ☐ **Manuals, record documents and training have been completed or are scheduled** (SECTION C103.6)
  - BUILDING OPERATING AND MAINTENANCE INFORMATION (C103.6.2) HAVE BEEN SUBMITTED TO THE OWNER OR SCHEDULED DATE: _____
  - MANUALS (C103.6.2.1) HAVE BEEN SUBMITTED TO THE OWNER OR SCHEDULED DATE: _____
  - COMPLIANCE DOCUMENTATION (C103.6.3) HAS BEEN SUBMITTED TO OWNER OR SCHEDULED DATE: _____
  - SYSTEM OPERATION TRAINING (C103.6.4) HAS BEEN PROVIDED TO THE OWNER OR SCHEDULED DATE: _____

COMMISSIONING PLAN

- ☐ **Commissioning Plan was used during construction** (Section C408.1.2)

COMMISSIONING REPORT

- ☐ **Commissioning Report has been submitted** (Section C408.1.3)

COMMISSIONED SYSTEMS

- ☐ **Mechanical Systems were included in the commissioning process** (Section C408.2)
  - ☐ Testing, adjusting and balancing is complete (Section C408.2.2)
  - ☐ There are unresolved deficiencies with the mechanical system. These are described in the attached Commissioning Report submitted to the owner
- ☐ **Service Water Heating Systems were included in the commissioning process** (Section C408.3)
  - ☐ There are unresolved deficiencies with the service water heating system. These are described in the attached Commissioning Report submitted to the Owner.
- ☐ **Controlled Receptacles and Lighting Control Systems were included in the commissioning process** (Section C408.4)
  - ☐ There are unresolved deficiencies with the electrical power and/or automatic lighting controls. These are described in the attached Commissioning Report submitted to the Owner.
- ☐ **Additional Systems were included in the commissioning process** (Section C408.5)
  - ☐ There are unresolved deficiencies with systems required by C406 or C407. These are described in the attached Commissioning Report submitted to the Owner.
- ☐ **Metering Systems were included in the commissioning process** (Section C408.6)
  - ☐ There are unresolved deficiencies with the metering system. These are described in the attached Commissioning Report submitted to the Owner.
- ☐ **Refrigeration Systems were included in the commissioning process** (Section C408.7)
  - ☐ There are unresolved deficiencies with systems required by section C410. These are described in the attached Commissioning Report submitted to the Owner.

CERTIFICATION

- ☐ I HEREBY CERTIFY THAT ALL REQUIREMENTS FOR SECTION C408 SYSTEM COMMISSIONING HAVE BEEN COMPLETED IN ACCORDANCE WITH THE WASHINGTON STATE ENERGY CODE, INCLUDING ALL THE ITEMS ABOVE.
  _____ CERTIFIED COMMISSIONING PROFESSIONAL _____ DATE
- ☐ I HEREBY CERTIFY THAT ALL REQUIREMENTS FOR SECTION C408 SYSTEM COMMISSIONING HAVE BEEN COMPLETED IN ACCORDANCE WITH THE WASHINGTON STATE ENERGY CODE, INCLUDING ALL THE ITEMS ABOVE.
  _____ BUILDING OWNER OR OWNER'S REPRESENTATIVE _____ DATE

GENERAL NOTES

DUCTWORK

1.1 ALL DUCT DIMENSIONS ON PLAN ARE CLEAR INSIDE DIMENSIONS, ADD 2" TO EACH DIMENSION TO OBTAIN OUTSIDE DIMENSION. ADD 4" TO EACH DIMENSION IF THE DUCTWORK IS ON THE INTERIOR OF THE BUILDING.
1.2 THE FIRST NUMBER ON ALL DUCT DIMENSIONS IS THE WIDTH AND THE SECOND IS THE HEIGHT.
1.3 MATERIALS WITHIN DUCTS OR PLENUMS SHALL HAVE A FLAME SPREAD RATING LESS THAN 25 AND A FLAME SMOKE DEVELOPMENT LESS THEN 50, PER IMC 602.2.1.
1.4 SEAL ALL TRANSVERSE JOINTS FOR DUCTWORK WITH STATIC PRESSURE BETWEEN 1/2 INCHES AND 2 INCHES. DUCTWORK WHICH IS DESIGNED TO OPERATE AT PRESSURES ABOVE 1/2 WATER COLUMN SHALL BE SEALED IN ACCORDANCE WITH STANDARD RS-7.
1.5 ALL DUCT GAUGES PER SMACNA, IMC 603-4.
1.6 ALL DUCT SUPPORTS PER SMACNA, IMC 603-10.
1.7 ATTACH DIFFUSERS AND GRILLES TO T-BAR PER WA STATE & LOCAL CODES.
1.8 BALANCING DAMPERS ARE TO BE INSTALLED ON ALL BRANCH DUCTS OR DIFFUSERS.

INSULATION

2.1 INSULATE OR LINE DUCTWORK PER WA. STATE ENERGY AND MECHANICAL CODES.
2.2 INSULATE REFRIGERANT & CONDENSATE PIPING PER STATE & LOCAL ENERGY CODES.

GENERAL CONTRACTOR

3.1 GENERAL CONTRACTOR TO PROVIDE AND CUT OPENINGS FOR ALL ROOFTOP, CEILING, FLOOR, AND WALL PENETRATIONS, INCLUDING WEATHERPROOF SEALING AND FIRE PROOF LININGS PER IMC & IBC.
3.2 GENERAL CONTRACTOR TO VERIFY PENETRATION LOCATION AND DIMENSIONS WITH ERL BEFORE FRAMING OPENINGS.
3.3 GENERAL CONTRACTOR TO PROVIDE ALL DEMOLITION, PATCHING, AND PAINTING AS REQUIRED FOR MECHANICAL WORK.
3.4 GENERAL CONTRACTOR TO PROVIDE ADEQUATE STRUCTURAL SUPPORT AS REQUIRED FOR MECHANICAL WORK.
3.5 GENERAL CONTRACTOR TO PROVIDE SERVICE ACCESS PER CODE TO ALL MECHANICAL EQUIPMENT.
3.6 GENERAL CONTRACTOR TO LEVEL ALL FACTORY CURBS PROVIDED BY ERL PROVIDE ALL CANT STRIPS AND CURB INSULATION, AND SEAL AGAINST LEAKS.
3.7 GENERAL CONTRACTOR TO PROVIDE ALL CUTTING AND PATCHING OR T-BAR CEILING AS REQUIRED FOR HVAC INSTALLATION.
3.8 GENERAL CONTRACTOR TO PROTECT ALL OPENINGS THROUGH FLOORS PROVIDED FOR DUCTWORK INSTALLATION IN ACCORDANCE WITH TABLE 601 OF INTERNATIONAL BUILDING CODE, WHERE REQUIRED BY SECTION 707 OF IBC.

ELECTRICAL

4.1 ERL TO INSTALL ALL LOW VOLTAGE CONTROL WIRING, CONDUIT WILL BE PROVIDED BY ELECTRICAL CONTRACTOR.
4.2 ELECTRICAL CONTRACTOR TO PROVIDE ALL ELECTRICAL CONNECTIONS, DISCONNECTS, AND STARTERS FOR MECHANICAL EQUIPMENT.
4.3 ELECTRICAL CONTRACTOR TO VERIFY EQUIPMENT SIZES, LOADS AND LOCATIONS, WITH ERL MECHANICAL PLAN AND WITH FIELD LOCATIONS.
4.4 ELECTRICAL CONTRACTOR TO INTERLOCK BATHROOM EXHAUST FANS WITH LIGHT SWITCH.
4.5 ERL TO PROVIDE 7-DAY NIGHT SETBACK, PROGRAMMABLE TYPE T-STAT WITH CAPABILITY OF 5°F DEADBAND.
4.6 ERL TO VERIFY FINAL LOCATION OF THERMOSTAT WITH CUSTOMER.
4.7 ELECTRICAL CONTRACTOR TO PROVIDE ELECTRICAL GCFI OUTLET WITHIN 25 FT OF EACH PIECE OF MECHANICAL EQUIPMENT.

PLUMBING

5.1 PLUMBING CONTRACTOR OFFSETS VENTS 10 FEET MINIMUM FROM ALL HVAC FRESH AIR INTAKES OR 3' ABOVE HIGHEST POINT OF INTAKE, IMC 401.4.1
5.2 CONDENSATE DRAINS FOR AIR HANDLERS BY PLUMBER.

ENERGY CODE COMPLIANCE

6.1 THE SUPPLY HEATING AND COOLING ENERGY TO EACH ZONE SHALL BE CONTROLLED BY INDIVIDUAL THERMOSTATIC CONTROLS CAPABLE OF RESPONDING TO TEMPERATURE WITHIN THE ZONE. AT MINIMUM, EACH FLOOR SHALL BE CONSIDERED A ZONE.
6.2 OUTDOOR AIR SUPPLY, EXHAUST OPENINGS AND RELIEF OUTLETS SHALL BE PROVIDED WITH CLASS 1A MOTORIZED DAMPERS WHICH CLOSE AUTOMATICALLY WHEN THE SYSTEM IS OFF PER WSEC SECTION C403.7.8.

MECHANICAL CODE COMPLIANCE

7.1 WHERE REQUIRED PROVIDE AUTOMATIC SHUTOFF ACTIVATED BY SMOKE DETECTORS IN EACH SYSTEM DELIVERING HEATING OR COOLING AIR IN EXCESS OF 2000 CFM. DETECTORS SHALL BE LOCATED IN THE MAIN RETURN AIR PER IMC 606.

WA2018

SYMBOL LEGEND

NOTE: NOT ALL SYMBOLS SHOWN ON THIS LEGEND MAY PERTAIN TO THIS PROJECT.

10"x20"	RECTANGULAR DUCT
10"Ø	ROUND DUCT
10Ø	ROUND SPIRAL DUCT
	FLEXIBLE DUCT
	SUPPLY DUCT SECTION
	RETURN DUCT SECTION
	EXHAUST DUCT SECTION
	SUPPLY DIFFUSER
	RETURN/EXHAUST GRILLE
	SIDEWALL DIFFUSER
	CEILING MOUNTED EXHAUST FAN
	INLINE FAN
	MANUAL VOLUME DAMPER
	ZONE DAMPER
M	MOTORIZED DAMPER
	FIRE SMOKE DAMPER (120V POWER REQ.)
	FIRE DAMPER
T	THERMOSTAT
SD	SMOKE DETECTOR
S	SENSOR
AHU1	EQUIPMENT TAG
CD-1 / 250 CFM	DIFFUSER/GRILLE TAG
U	UNDER CUT DOOR

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KEVIN H. TAKAYESU
STATE OF WASHINGTON
6052287
REGISTERED
PROFESSIONAL ENGINEER

ENGINEER'S STAMP HERE

COVER SHEET

FREEMAN ROAD LOGISTICS BLDG A

PUYALLUP, WA

REV.	DATE	DESCRIPTION

PERMIT SET ■
DATE: 1.29.24

ISSUED FOR CONSTRUCTION □
DATE: ----

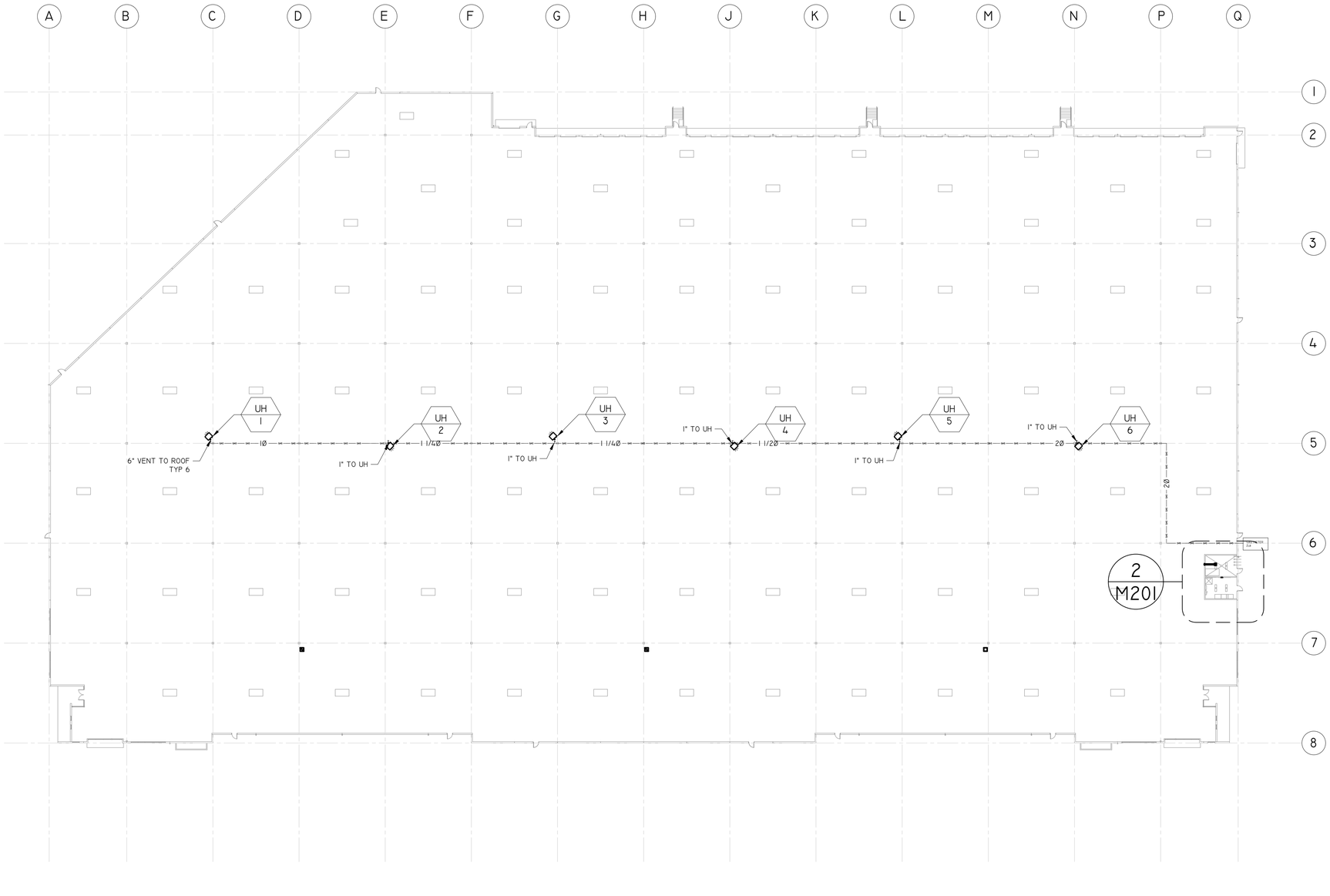
AS BUILT □
DATE: ----

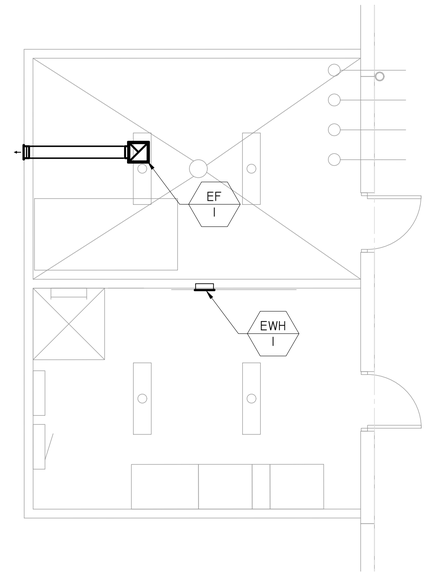
FREEMAN ROAD LOGISTICS BLDG A
COVER SHEET

DWG BY:	JV
CKD BY:	DB/KT
JOB NO.:	521220

SHEET:
M001

GAS PIPING SIZED PER 2018 IFGC
TABLE 402.4(5) MEDIUM PRESSURE
DEVELOPED LENGTH= 750'
TOTAL CFH= 2,100 MBH (6*350)





1 HVAC PLAN
SCALE: 1/32"=1'

2 HVAC ENLARGED PLAN
SCALE: 1/4"=1'

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OVERALL FLOOR PLAN

FREEMAN ROAD LOGISTICS BLDG A

PUYALLUP, WA

REV.	DATE	DESCRIPTION

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DATE: 1.29.24

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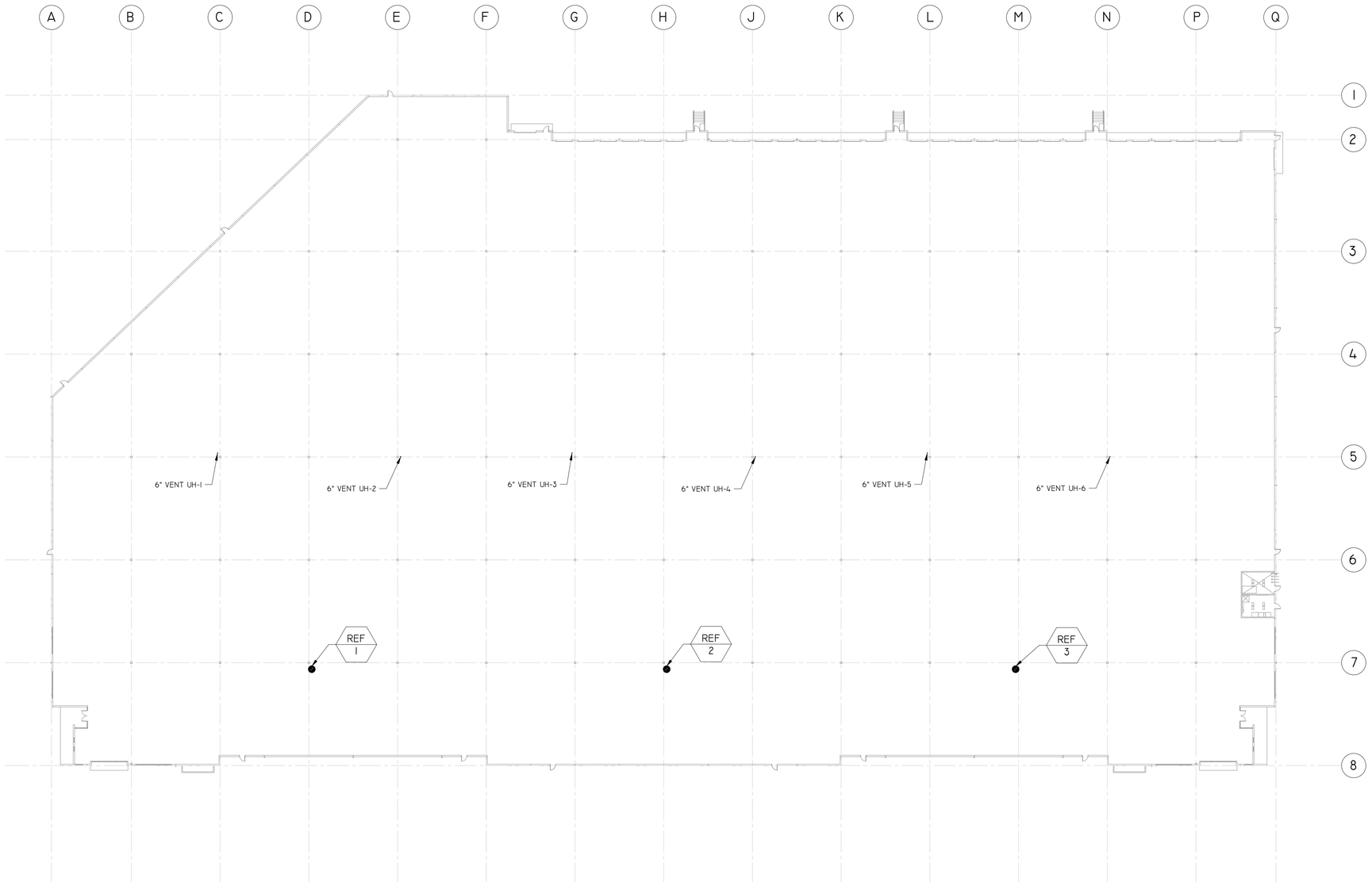
DATE: ----

FREEMAN ROAD LOGISTICS BLDG A	
OVERALL FLOOR PLAN	
DWG BY:	JV
CKD BY:	DB/KT
JOB NO.:	521220

SHEET:
M201



1 ROOF PLAN
SCALE: 1/32"=1'

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ROOF PLAN

FREEMAN ROAD LOGISTICS BLDG A

PUYALLUP, WA

REV.	DATE	DESCRIPTION

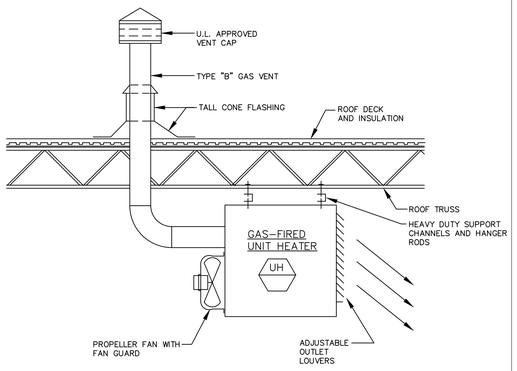
PERMIT SET ■
DATE: 1.29.24

ISSUED FOR CONSTRUCTION ☐
DATE: ----

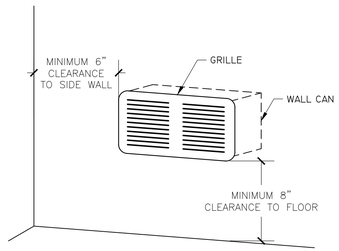
AS BUILT ☐
DATE: ----

FREEMAN ROAD LOGISTICS BLDG A	
ROOF PLAN	
DWG BY:	JV
CKD BY:	DB/KT
JOB NO.:	521220

SHEET:
M202

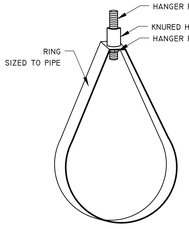


GAS FIRED UNIT HEATER DETAIL
NOT TO SCALE



WALL HEATER MOUNTING DETAIL
NOT TO SCALE

SWIVEL RING HANGERS



STRUT CLAMP

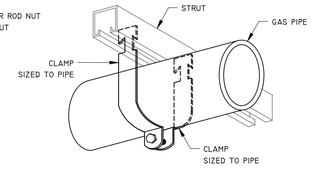


TABLE 415.1
SUPPORT OF PIPING

STEEL PIPE, NOMINAL SIZE OF PIPE	SPACING OF SUPPORTS	NOMINAL SIZE OF TUBING (SMOOTH TO WALL)	SPACING OF SUPPORTS
1/2"	6'	1/2"	4'
3/4" OR 1"	8'	5/8" OR 3/4"	6'
1 1/4" OR LARGER (HORIZONTAL)	10'	7/8" OR 1" (HORIZONTAL)	8'
1 1/4" OR LARGER (VERTICAL)	EVERY FLOOR LEVEL	1" OR LARGER	EVERY FLOOR LEVEL

IFGC SEC 407.2 DESIGN AND INSTALLATION

PIPING SHALL BE SUPPORTED WITH METAL PIPE HOOKS, METAL PIPE STRAPS, METAL BANDS, METAL BRACKETS, METAL HANGERS OR BUILDING STRUCTURAL COMPONENTS, SUITABLE FOR THE SIZE OF PIPING, OF ADEQUATE STRENGTH AND QUALITY, AND LOCATED AT INTERVALS SO AS TO PREVENT OR DAMP OUT EXCESSIVE VIBRATION. PIPING SHALL BE ANCHORED TO PREVENT UNDUE STRAINS ON CONNECTED APPLIANCES AND SHALL NOT BE SUPPORTED BY OTHER PIPING.
PIPE HANGERS AND SUPPORTS SHALL CONFORM TO THE REQUIREMENTS OF MSS SP-58 AND SHALL BE SPACED IN ACCORDANCE WITH SECTION 415 (SEE ABOVE).
SUPPORTS, HANGERS AND ANCHORS SHALL BE INSTALLED SO AS NOT TO INTERFERE WITH THE FREE EXPANSION AND CONTRACTION OF THE PIPING BETWEEN ANCHORS.
ALL PARTS OF THE SUPPORTING EQUIPMENT SHALL BE DESIGNED AND INSTALLED SO THAT THEY WILL NOT BE DISENGAGED BY MOVEMENT OF THE SUPPORTING PIPING.

GAS HANGER DETAIL AND TABLE 415.1
NOT TO SCALE

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DETAILS

FREEMAN ROAD LOGISTICS BLDG A

PUYALLUP, WA

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DATE: ----

FREEMAN ROAD LOGISTICS BLDG A
DETAILS

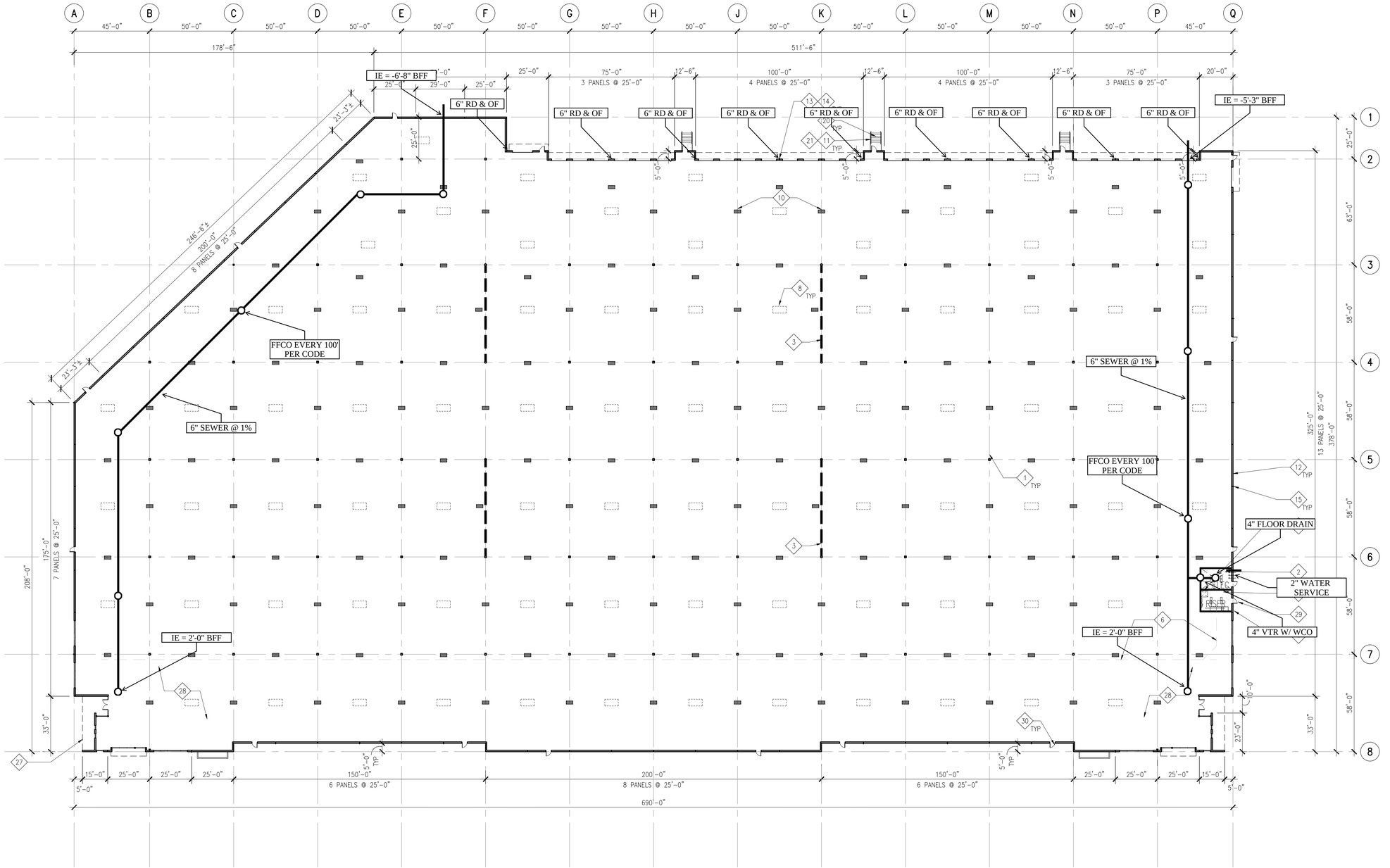
DWG BY:	JV
CKD BY:	DB/KT
JOB NO.:	521220

SHEET:
M501

PLAN KEYNOTES

NOTE: NOT ALL KEYNOTES ARE USED

13 — 6"ø RD & 6"ø SCHD 40 ABS PLASTIC RWL, ROUTE TO EXTERIOR, SEE CIVIL DWGS FOR CONTINUATION.



NORTH

FLOOR PLAN

SCALE: 1" = 30'-0"

VECTOR
Development Company
11411 NE 124th Street
Suite 190
Kirkland, WA 98034

REVISIONS

REV 1 1/25/24

STATE MECHANICAL CO

WATER, SEWER & ROOF DRAIN PLAN

PROJECT INFORMATION

BUILDING A
Freeman Road Logistics
Puyallup, WA

SHEET INFORMATION

P-1.0