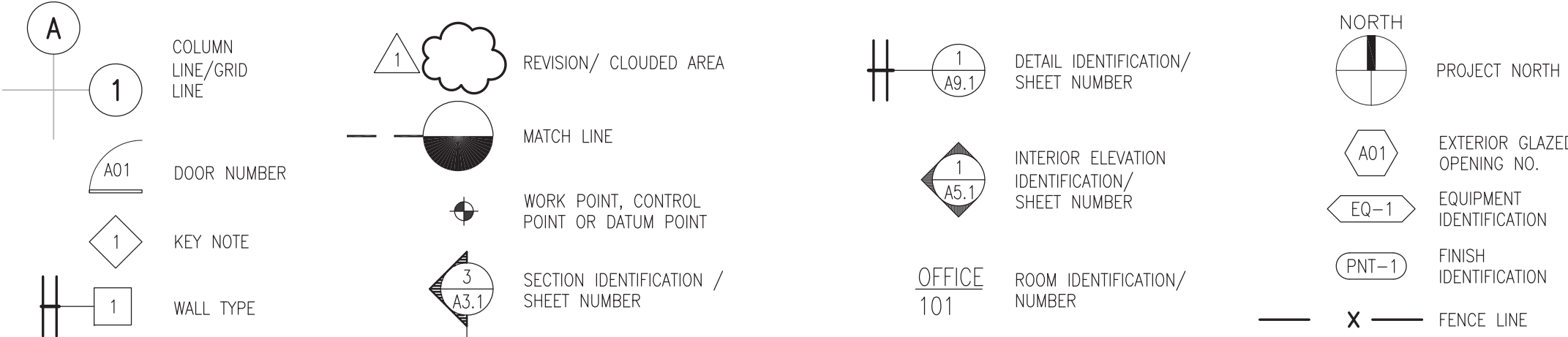


ABBREVIATIONS

<	ANGLE	CHBD	CHALK BOARD	ENCL	EMERGENCY ENCLOSURE	GB	GRAB BAR	PNL	PANEL	SCHD	SCHEDULE	TOP	TOP OF CONCRETE
CL	CENTER LINE	CI	CAST IRON	EQ	OR ENCLOSED	GL	GLASS OR GLAZING	PNT	PAINT	SD	SOAP DISPENSER OR	TOC	TOP OF PAVEMENT
L	CHANNEL	CJT	CONTROL JOINT	EWC	ELECTRIC WATER COOLER	GLBM	GLU-LAM BEAM	POL	POLISH	ST	STORM DRAIN	TOS	TOP OF STEEL
Ø	DIAMETER OR ROUND	CLG	CEILING	EQ	EQUAL	GC	GENERAL CONTRACTOR	PR	PAIR	SECT	SECTION	TOSL	TOP OF SLAB
#	NUMBER OR POUND	CK	CONSTRUCTION JOINT	EQPT	EQUIPMENT EMERGENCY	GND	GROUND	PRCST	PRECAST	SF	SQUARE FEET	TOW	TOE OF WALL
j	PENNY	CLK	CAULKING	EST	SHOWER/	GWB	GYP SUM WALL BOARD	PSF	SHEET	SHT	SHEET	TPD	TOILET PAPER
L	PERPENDICULAR	CLR	CLEAR	EST	EYE WASH	GYP	GYP SUM	PSI	POUNDS PER SQUARE	SHTG	SHEATHING	TPH	TOILET PAPER HOLDER
#	PLATE	CMU	CONCRETE MASONRY UNIT	ESEW	ESTIMATE	HB	HOSE BIB	MTL	METAL	SIG	SOLAR INSULATED GLAZING	TPN	TOILET PARTITION
AB	ANCHOR BOLT			EXH	EXHAUST	HBD	HARD BOARD	MD	MEDIUM DENSITY OVERLAY	PT	PRESSURE TREATED	TS	TUBULAR STEEL
AC	ACOUSTICAL OR ASPHALT CONCRETE	CNTR	COUNTER	EX	EXPANSION	HC	HOLLOW CORE OR HANDICAP	MDF	MEDIUM DENSITY FIBERBOARD	PTD	PAPER TOWEL	TV	TELEVISION
		CO	CLEANOUT	EXST	EXISTING	HD	HAND DRYER	MECH	MECHANICAL	SK	SINK	TYP	TYPICAL
A/C	AIR CONDITIONING	COL	COLUMN	EXP	EXPOSED	HDR	HEADER	MEMB	MEMBRANE	SLR	SEALER	UL	UNDERWRITERS LABORATORY
ACP	ACOUSTICAL PANEL	CONC	CONCRETE	EXT	EXTERIOR	HDW	HARD WOOD	MTL	METAL	SND	SANITARY NAPKIN DISPENSER	UON	UNLESS OTHERWISE NOTED
ACT	ACOUSTICAL TILE	CONN	CONNECTION	FA	FIRE ALARM	HDWE	HARDWARE	MEZZ	MEZZANINE	SNR	SANITARY NAPKIN RECEPTACLE	UR	URINAL
ADD	ADDITIVE	CONSTR	CONSTRUCTION	FB	FLAT BAR	HM	HOLLOW METAL	MFR	MANUFACTURER	PTN	PARTITION	VAR	VARIABLES
ADH	ADHESIVE	CONT	CONTINUOUS	FBD	FIBER BOARD	HORIZ	HORIZONTAL	MH	MAN HOLE	PTR	PAPER TOWEL	VCT	VINYL COMPOSITION TILE
ADJ	ADJACENT	CORR	CORRIDOR	FBO	FURNISHED BY OTHERS	HR	HOUR	MIN	MINIMUM	SNT	SEALANT	VENT	VENTILATOR
ADJT	ADJUSTABLE	CPT	CARPET	FOIC	FURNISHED BY CONTRACTOR	HT	HEIGHT	MISC	MISCELLANEOUS	SPG	SPECIFICATION	VERT	VERTICAL
AFF	ABOVE FINISH FLOOR	CTR	CERAMIC TILE CENTER		CONTRACTOR INSTALLED BY CONTRACTOR	HTG	HEATING	MO	MASONRY OPENING	SS	SOLID SURFACING	VEST	VESTIBULE
AGG	AGGREGATE	CTSK	CONCRETE SINK	FCY	FACTORY	IN	INCH	MTD	MOUNTED	SST	STAINLESS STEEL	VNR	VENEER
ALT	ALTERNATE	CY	CUBIC YARD	FD	FLOOR DRAIN	INCL	INCLUDE	MULL	MULLION	STA	STATION	VR	VAPOR RETARDER
AP	ACCESS PANEL	D	DEEP, DEPTH	FDN	FOUNDATION	INS	INSULATION	N	NORTH	STC	SOUND TRANSMISSION CLASS	W	WEST
APPROX	APPROXIMATE	DBL	DOUBLE	FE	FIRE EXTINGUISHER	INCH	INCH	NO	NOT IN CONTRACT	STD	STANDARD	W/O	WITHOUT
ARCH	ARCHITECTURAL	DEPT	DEPARTMENT	FEC	FIRE EXTINGUISHER	INCL	INCLUDE	NTS	NOT TO SCALE	STL	STEEL	WC	WATER CLOSET
AWF	ACOUSTICAL WALL FABRIC	DET	DETAIL		CABINET	INSUL	INSULATION	OA	OVERALL	TB	TOWEL BAR	WD	WOOD
AWP	ACOUSTICAL WALL PANEL	DIA	DIAMETER		FINISH	INT	INTERIOR	REF	REFERENCE, REFLECTED	STR	STRUCTURAL	WDO	WINDOW
BD	BOARD	DIAG	DIAGONAL		FL	FLOOR	FLUOR	REIN	REINFORCED	SUSP	SUSPENDED	WF	WIDE FLANGE
BETW	BETWEEN	DIM	DIMENSION		FLG	FLASHING	FLUORESCENT	REQ	REQUIRED	SV	SHEET VINYL	WG	WIRE GLASS
BLDG	BUILDING	DISP	DISPENSER		FLUOR	FLUORESCENT	FACE OF CONCRETE	REV	REVISION	SYM	SYMMETRICAL	WOM	WIRE MESH
BLK	BLOCK	DMPF	DAMP PROOFING		FOF	FACE OF FINISH	FACE OF FINISH	RH	RIGHT HAND OR ROBE	SWC	SPECIAL WALL COVERING	WP	WATER PROOF
BLKG	BLOCKING	DN	DOWN		FOF	FACE OF FINISH	FACE OF FINISH	RESIL	RESILIENT	TB	TOWEL BAR	WPT	WORKING POINT
BM	BEAM	DR	DOOR OR DRAIN		FOIC	FURNISH BY OWNER	FURNISH BY OWNER	RIO	ROUGH-IN ONLY	T&G	TONGUE & GROOVE	WR	WATER RESISTANT
BRG	BEARING	DWR	DRAWER		FOIO	FURNISH BY OWNER	FURNISH BY OWNER	RM	ROOM	TM	TEMPERED GLASS	WT	WEIGHT
BO	BOTTOM OF	DS	DOWNSPOUT		FOIO	FURNISH BY OWNER	FURNISH BY OWNER	RT	RESILIENT/RUBBER TILE	THR	THRESHOLD	WWF	WELDED WIRE FABRIC
BOT	BOTTOM	DW	DISHWASHER		FOS	FACE OF OWNER	FACE OF OWNER	RUB	RUBBER	TIG	TEMPERED INSULATED GLAZING	XFMR	TRANSFORMER
BSMT	BASEMENT	DWG	DRAWING		FPW	FREEZE PROOF WALL	FREEZE PROOF WALL	RWL	RAIN WATER LEADER	TKBD	TACK BOARD	YD	YARD
BUR	BUILT UP ROOF	E	EACH		FS	FULL SIZE	FULL SIZE	SC	SOLID CORE	TO	TOP OF		
CAB	CABINET	EA	EACH		FT	FEET	FEET	SCD	SEAT COVER DISPENSER				
CB	CATCH BASIN	EB	EXPANSION BOLT		FTG	FOOTING	FOOTING						
CBU	CEMENTITIOUS BACKER	EJ	EXPANSION JOINT		FUT	FUTURE	FUTURE						
CEM	CEMENT	EL	EXTERIOR INSULATED		FURR	FURRING	FURRING						
CER	CERAMIC	ELEV	ELEVATION		GA	GALVE	GALVE						
CFM	CUBIC FEET PER MINUTE	EMER	ELECTRIC		GALV	GALVANIZED	GALVANIZED						
CG	CORNER GUARD		ELEVATOR										

SYMBOLS



ENERGY CODE

- 1. ENERGY CODE COMPLIANCE: WAREHOUSE AREAS: OFFICE AREAS: COMPLIANCE METHOD: SEMI-HEATED CONDITIONED COMPONENT
- 2. INSULATION REQUIREMENTS: ROOF INSULATION: RIGID CONTINUOUS OVER DECK: R-30 WALL INSULATION: NONE PERIMETER SLAB INSULATION: NONE SKYLIGHTS: U=0.5 R-10 R-10 U=0.38 U=0.60 SECTIONAL DOORS: ROLL-UP DOORS: R-10 FIXED WINDOWS: U=0.38 ENTRANCES: U=0.60
- 3. SHADING COEFFICIENTS SKYLIGHTS: SHGC=0.40 MAX. FIXED WINDOWS: SHGC=0.40 MAX. ENTRANCES: SHGC=0.40 MAX.

ZONING INFORMATION

- 1. Jurisdiction: EVERETT, WA
- 2. Present Zoning: P1 - PLANNED INDUSTRIAL RD - SINGLE-FAMILY RESIDENTIAL
- 3. Projected site use requires: NO ACTION
- 4. Use Zone Adjacent Lots: N RD E P1 S P1 W RD
- 5. Special Regulations Applicable: A. Shoreline Management Act Setback required: Yes No X B. Flood Plain or Waterway: Yes No X C. Airport open use/glide path: Yes No X D. Storm Water Retention/Run-Off: Yes No X E. Fire Lane Requirements: Yes No X
- 6. Setbacks Required: Front Yard 10' Rear Yard 20' W Side Yard 10' E Side Yard 10'
- 7. Easements, Vacations, restrictive covenants as applicable: SEE CIVIL DRAWINGS
- 8. Parking Building Shell (Office space area is speculative): Warehouse/Office 55,820 SF 0.5 Stall/1,000 SF 30 Stalls Parking Stalls Required 4 Accessible (1 Van) 60 Parking 64 Total Parking Stalls Provided 4 Accessible (1 Van) 84 Parking 88 Total Standard: SIZE: 8'-6" x 19'-0" Compact: SIZE: 8'-0" x 16'-0"
- 9. Total Site Area 176,141 SF 4.04 Acres Parking Area: 29,564 SF Parking Landscaping Required: 10% 2,956 SF Landscaping Provided: 16% 4,751 SF

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 2015 IMC WITH WASHINGTON AMENDMENTS.
- 9. ELECTRICAL DESIGN/BUILD CONTRACTOR SHALL PROVIDE AND INSTALL MEANS OF EGROSS ILLUMINATION AND ILLUMINATED EXIT SIGNS PER IBC SECTIONS 1006 AND 1011.
- 10. DEFERRED SUBMITTALS: STRUCTURAL JOISTS FIRE ALARM AND SPRINKLERS

CODE INFORMATION

Code Edition: 2015 IBC, 2015 IFC, 2015 IMC, 2015 UPC, 2015 WSEC (WAC 51-11), ICC/ANSI A117.1-2009; WASHINGTON STATE AMENDMENTS TO THE ABOVE (WAC 51-50).

Scope of Work: Construct a 55,820 square foot industrial facility utilizing site cast concrete tilt-up wall panels, a wood roof supported on composite steel joists and girders with wood nailers and HSS columns. The facility is single story with a minimum clear height of 24'-0" above finished floor. There will be a total of (20) 9' X 10' dock high doors and (4) 12' X 14' grade access doors. The facility is fully sprinklered with an ESFR system.

Amended by Local Jurisdiction Yes ☒ No _____ Date _____

Construction: New ☒ Basic Wind Speed 110 MPH Addition _____ Seismic Use Group 1 Alteration _____ Occupancy Category 2 Repair _____ Site/Soil Classification D Snow Load 25 PSF

BUILDING CLASSIFICATION

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

B. Type of Construction (Section 602) 1. Type of Construction III-B 2. Automatic Sprinklers Provided Yes ☒ 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 88' Feet	Yes <input checked="" type="checkbox"/> No _____	Yes No <input checked="" type="checkbox"/>	NONE
East 138' Feet	Yes <input checked="" type="checkbox"/> No _____	Yes No <input checked="" type="checkbox"/>	NONE
South 91' Feet	Yes <input checked="" type="checkbox"/> No _____	Yes No <input checked="" type="checkbox"/>	NONE
West 27' Feet	Yes <input checked="" type="checkbox"/> No _____	Yes No <input checked="" type="checkbox"/>	NONE
(Other) - Feet	Yes No _____	Yes No _____	NONE

D. Building Area (Section 506)

1. A _t - Tabular Area (Table 506.2)	S-1 OCCUPANCY	70,000 SF
2. Frontage Increase (506.3) W (Width of Open Space per 506.3.2) = I _f (Increase due to Frontage) = 100[(F/P)-0.25](W/30) =		30 FT 75 %
3. NS, Tabular Area (Table 506.2)		17,500 SF
4. A _g - Allowable Area (506.2.1) A _t + (NS x I _f) =		83,125 SF
5. Unlimited Building Area (507) - Section 507.3 - Section 507.4 - Section 507.5 - Section 507.6 - Section 507.7 - Section 507.8 - Section 507.9 - Section 507.10 - Section 507.11 - Section 507.12 - Section 507.13		
6. Actual Floor Area: 1st Flr: 55,820 SF Mezz: 0 SF Total: 55,820 SF		

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

1. Tabular Building Height Allowed	75 32'-0" Feet	3 Stories
2. Actual Building Height		1 Stories

INDEX OF DRAWINGS

- ARCHITECTURAL - COVER G1.1 GENERAL INFORMATION A1.1 SITE PLAN A1.2 SITE PLAN DETAILS A2.1 FLOOR PLAN A2.2 UPPER FLOOR PLAN A2.3 ROOF PLAN A3.1 WINDOW TYPES, WALL TYPES, SCHEDULES A4.1 EXTERIOR ELEVATIONS A4.3 WALL SECTIONS A4.4 WALL SECTIONS A8.1 EXTERIOR DETAILS
- STRUCTURAL S1.0 GENERAL NOTES S1.01 SPECIAL INSPECTIONS & ABBREVIATIONS S1.1 FOUNDATION SECTIONS S2.0 FOUNDATION PLAN S2.1 ROOF FRAMING PLAN S3.0 SCHEDULES & DIAGRAMS S5.0 ROOF FRAMING SECTIONS S5.1 ROOF FRAMING SECTIONS & DIAGRAMS S6.0 PANEL CONNECTIONS, PANEL DETAILS & PANEL KEY S6.1 PANEL ELEVATIONS S6.2 PANEL ELEVATIONS S6.3 PANEL ELEVATIONS S6.4 PANEL ELEVATIONS S6.5 PANEL ELEVATIONS

PROJECT INFORMATION

PROJECT SCOPE: NEW BUILDING

PROJECT ADDRESS: 4301 78TH STREET SW MUKILTEO, WA 98275

BUILDING OWNER: NELSON DEVELOPMENT P.O. BOX 1301 SEAHURST, WA 98062

PROPERTY TAX NO.: 2841000300100, 28041000300400, 2841000300500 & 28041000300600

ARCHITECT: SYNTHESIS PLLC 12503 BEL-RED ROAD, SUITE 101 BELLEVUE, WA 98005 (425) 646-1818 CONTACT: RANDY BROWN

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

1	10 11 2019	PERMIT SET
ISSUE NO.	DATE	ITEM

REVISIONS

1	10 11 2019	PERMIT SET
ISSUE NO.	DATE	ITEM

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Digitally signed by Randy Brown Date: 2019.10.10 20:29:36 -07'00'

PROJECT INFORMATION

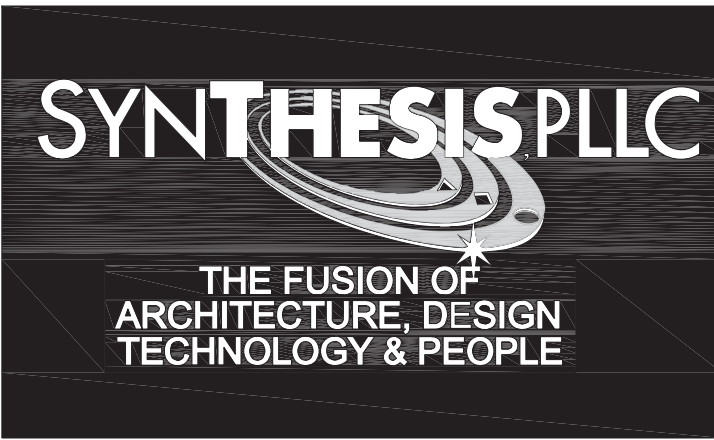
NELSON 43 4301 78TH STREET SW MUKILTEO, WA

SHEET INFORMATION

RELEASE FOR: BUILDING PERMIT TITLE: CODE INFORMATION, SITE PLAN

DESIGNED BY: DRAWN BY: REVIEWED BY: APPROVED BY: DATE: 08 07 19 SHEET NO: PROJECT NO: 201613.03.003

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NELSON DEVELOPMENT

P.O. BOX 1301 SEAHURST, WA 98062

SITE KEYNOTES

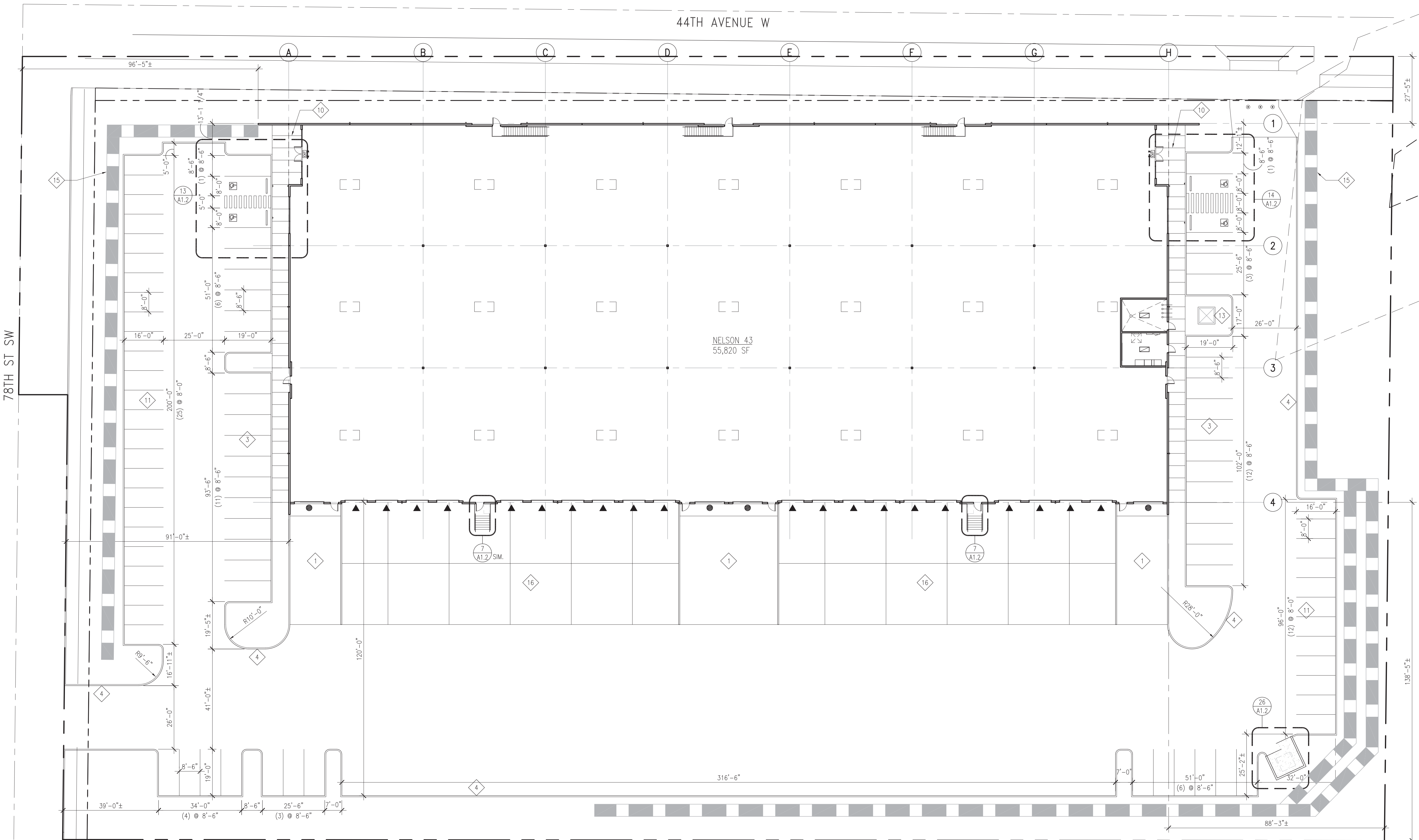
NOTE: NOT ALL KEYNOTES ARE USED

- 1 AC PVT 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. TRASH ENCLOSURE SEE A1.2
- 6 ACCESSIBLE PARKING SIGN, SEE DET 11/A1.2.
- 7 ACCESSIBLE PARKING STALL W/ PAINTED INTERNATIONAL SYMBOL OF ACCESS. MAX SLOPE 1v:48h. SEE 16/A1.2.
- 8 VAN ACCESSIBLE PARKING STALL W/ PAINTED INTERNATIONAL SYMBOL OF ACCESS. MAX SLOPE 1v:48h. SEE 16/A1.2.
- 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 50' CONCRETE APRON
- 17 RETAINING WALL, SEE CIVIL
- 18 BICYCLE RACK (FOR 2 OR MORE BICYCLES)



1 TITLE
SCALE: 1" = 20'-0"



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DEVELOPMENT

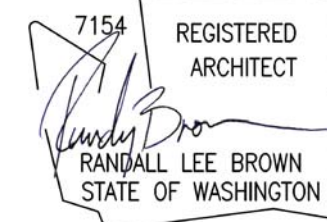
P.O. BOX 1301
SEAHURST, WA 98062

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NO.	DATE	DESCRIPTION
1	10/11/2019	PERMIT SET

ISSUE NO.	DATE	ITEM
1	10/11/2019	PERMIT SET

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Randy Brown
Date:
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-07'00'

PROJECT INFORMATION

NELSON 43
4301 78TH STREET SW
MUKILTEO, WA

SHEET INFORMATION

RELEASE FOR:	BUILDING PERMIT
TITLE:	SITE PLAN
DESIGNED BY:	
DRAWN BY:	
REVIEWED BY:	
APPROVED BY:	
DATE:	08 07 19
SHEET NO.:	A1.1
PROJECT NO.:	201613.03.003

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SITE KEYNOTES

NOTE: NOT ALL KEYNOTES ARE USED

- 1

AC PYMT 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. TRASH ENCLOSURE SEE A1.2
- 6

ACCESSIBLE PARKING SIGN, SEE DET 11/A1.2.
- 7

ACCESSIBLE PARKING STALL W/ PAINTED INTERNATIONAL SYMBOL OF ACCESS. MAX SLOPE 1v:48h. SEE 16/A1.2.
- 8

VAN ACCESSIBLE PARKING STALL W/ PAINTED INTERNATIONAL SYMBOL OF ACCESS. MAX SLOPE 1v:48h. SEE 16/A1.2.
- 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

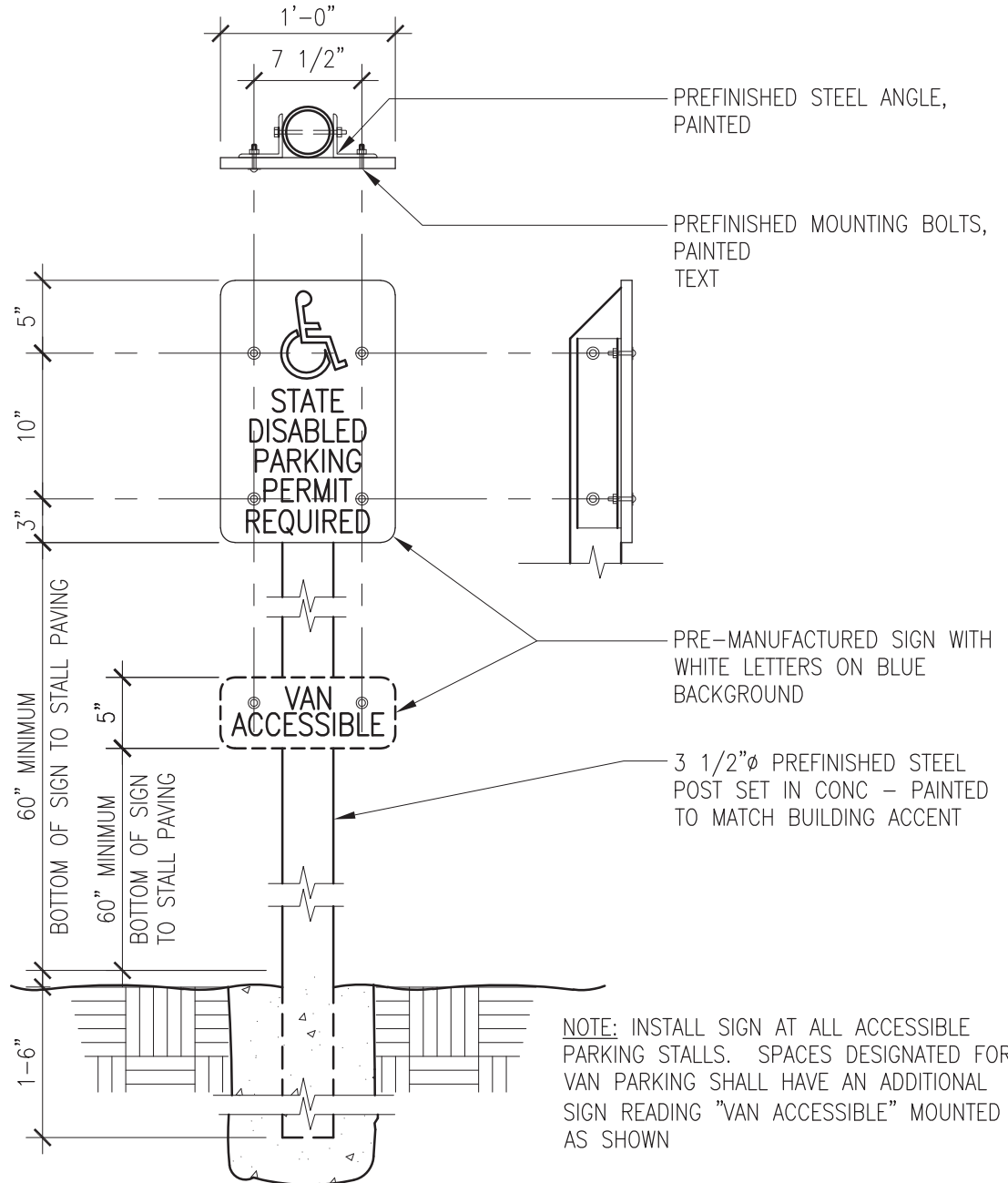
APPROXIMATE GAS METER LOCATION
- 15

ACCESSIBLE PATH OF TRAVEL TO THE PUBLIC WAY
- 16

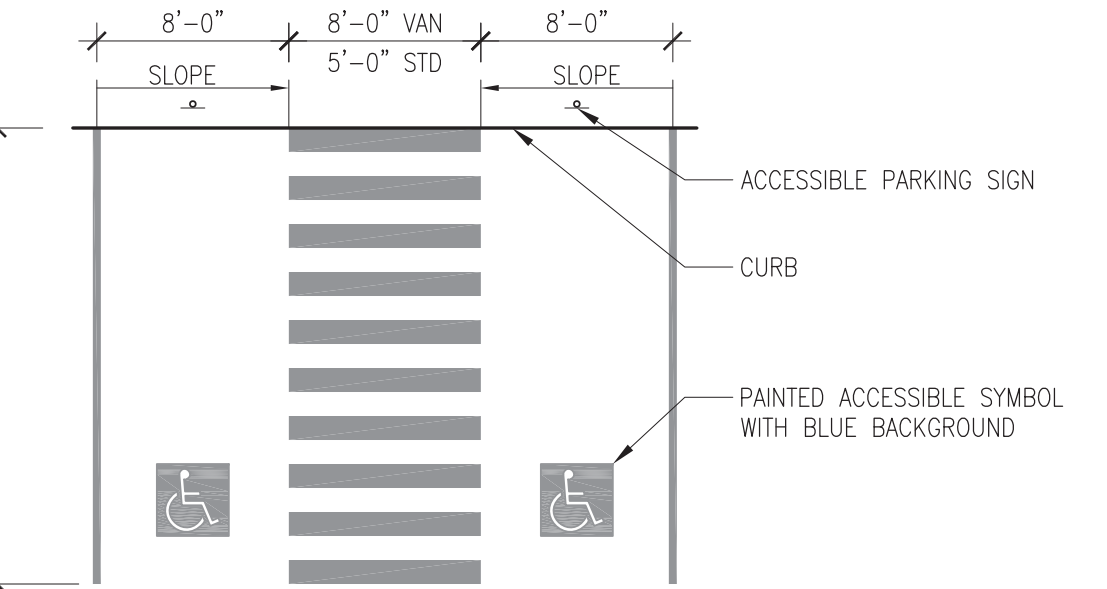
50' CONCRETE APRRON
- 17

RETAINING WALL, SEE CIVIL
- 18

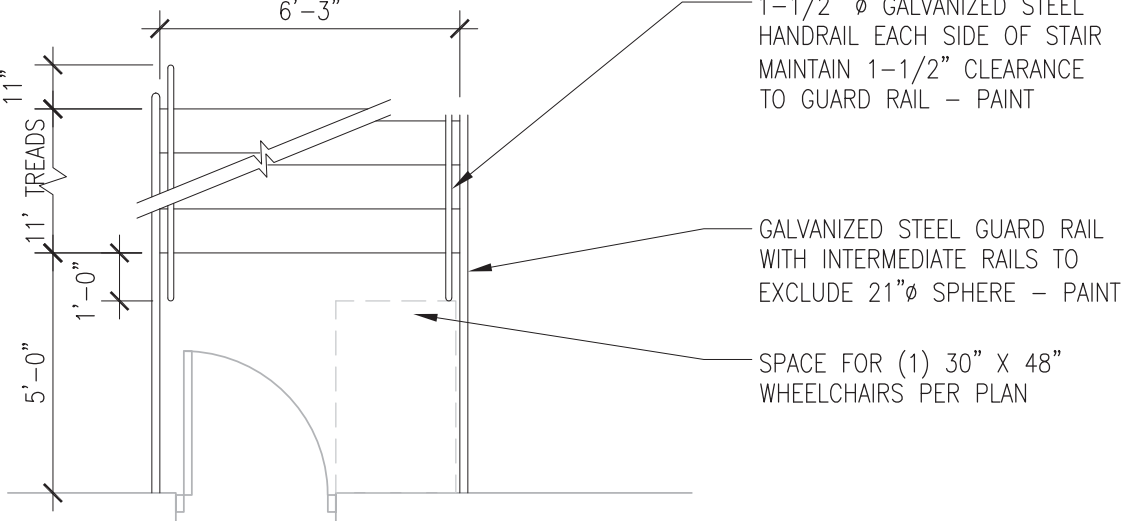
BICYCLE RACK (FOR 2 OR MORE BICYCLES)



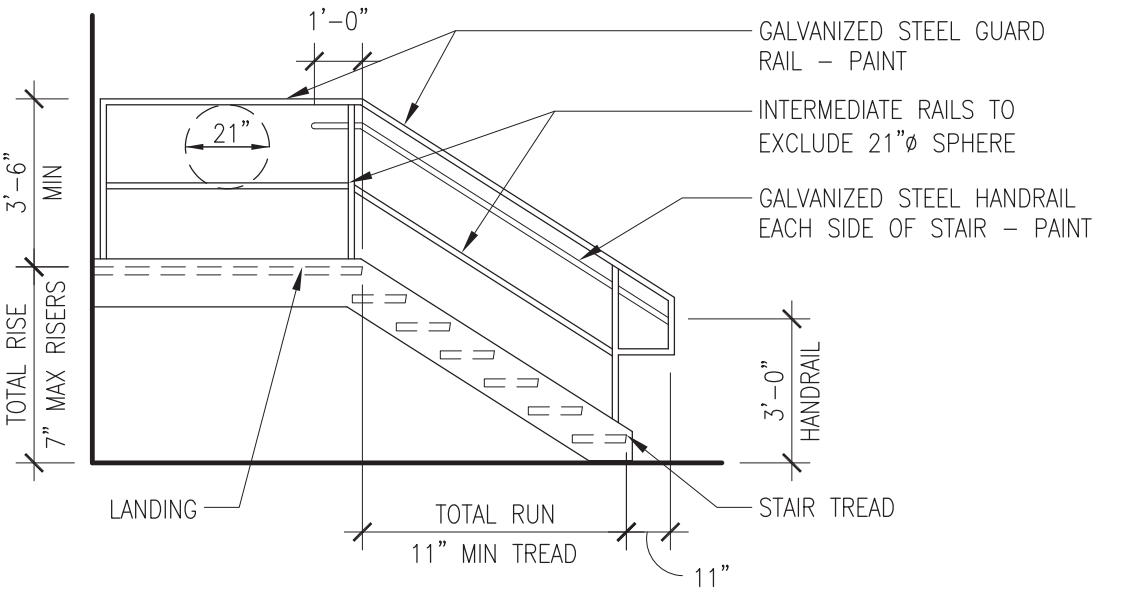
11 ACCESSIBLE PARKING SIGN
SCALE: 1" = 1'-0" ICC A117.1-2009 502.7



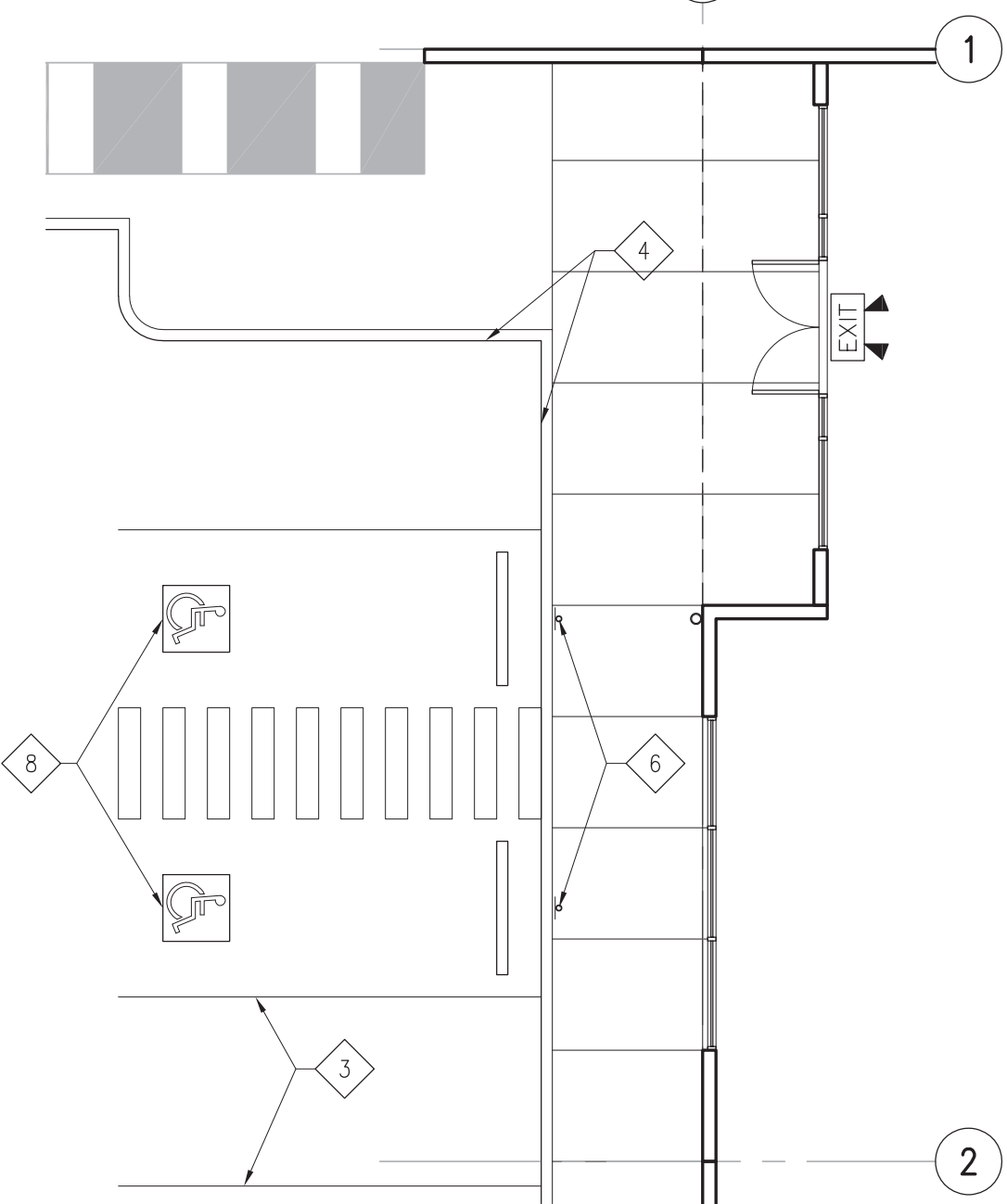
16 ACCESSIBLE PARKING STALLS
SCALE: 1/8" = 1'-0" ICC A117.1-2009 - 505.2



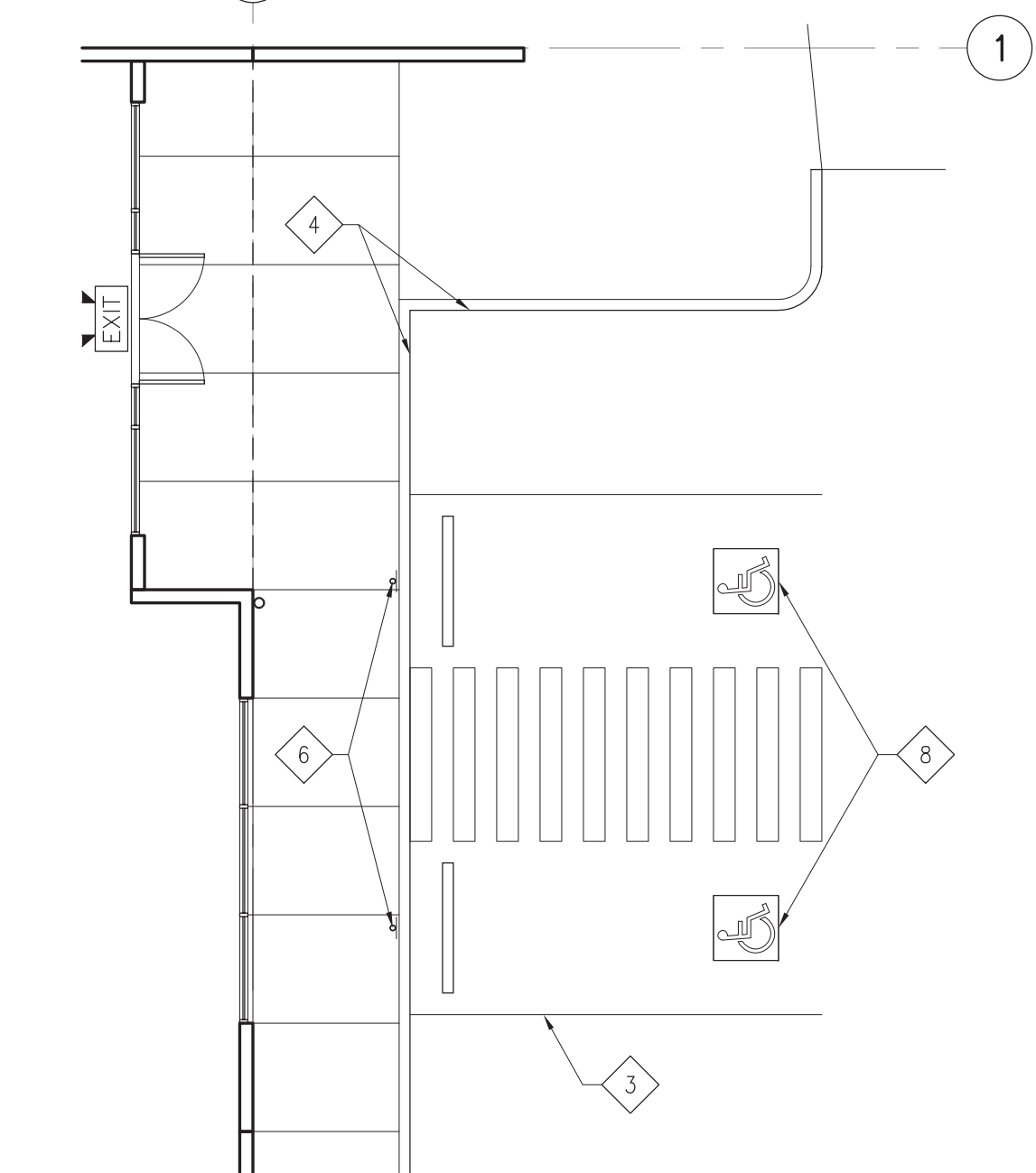
7 TYPICAL DOCK-STAIR PLAN
SCALE: 1/4" = 1'-0"



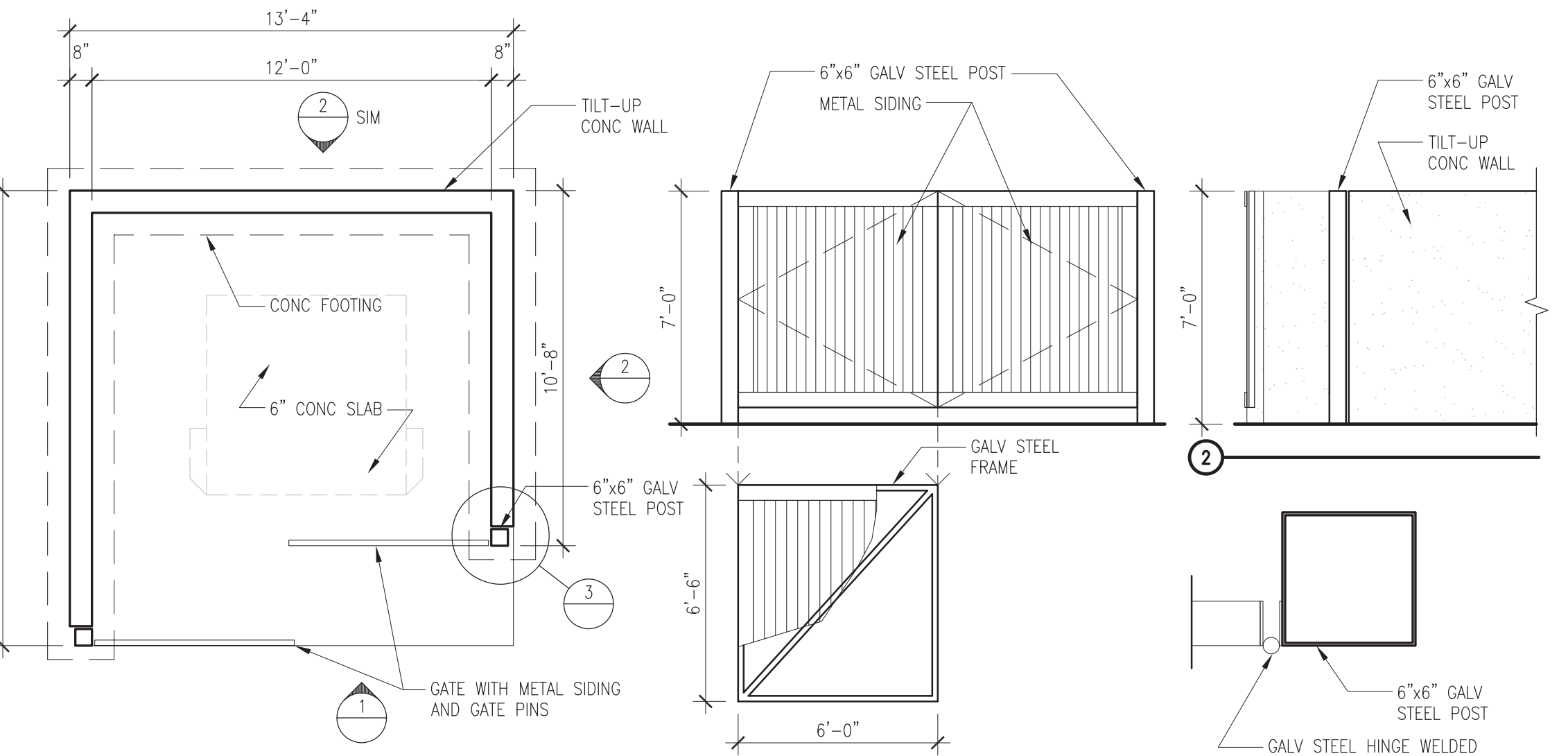
12 TYPICAL STEEL STAIR
SCALE: 1/4" = 1'-0"



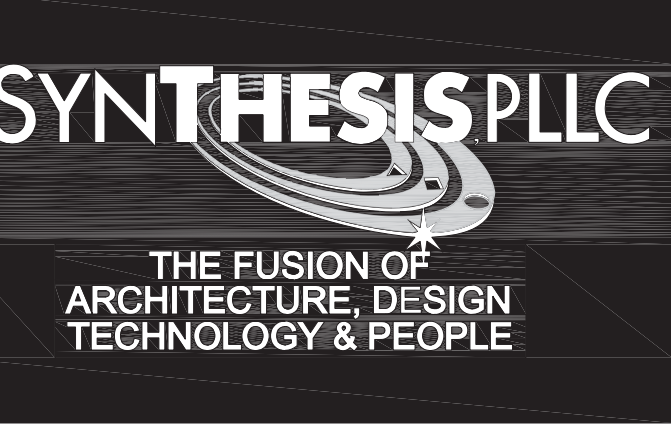
13 ENLARGED SITE PLAN
SCALE: 1/8" = 1'



14 ENLARGED SITE PLAN
SCALE: 1/8" = 1'



26 TRASH ENCLOSURE
SCALE: 1/4" = 1'-0"



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REVISIONS

ISSUE NO.	DATE	ITEM
1	10 11 2019	PERMIT SET

PROFESSIONAL STAMP

Digitally signed
by Randy
Brown
Date:
2019.10.10
20:30:09 -07'00'

PROJECT INFORMATION

NELSON 43
4301 78TH STREET SW
MUKILTEO, WA

SHEET INFORMATION

RELEASE FOR:	BUILDING PERMIT
TITLE:	SITE PLAN DETAILS
DESIGNED BY:	DRAWN BY:
REVIEWED BY:	APPROVED BY:
DATE:	08 07 19
PROJECT NO:	201613.03.003

A1.2

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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) ACRYLIC TRIPLE DOME SKYLIGHT, SEE DET 8/A8.1.
- 9

4'x 8'x 3/4" PLYWOOD TELEPHONE BOARD.
- 10

HIBAY HID LIGHT FIXTURE, 400w METAL HALIDE LAMP.
- 11

1 1/2" 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"x 48" ROOF ACCESS HATCH, SEE DET 9/A8.1.
- 20

PREFABRICATED GALV STEEL PAN STAIRS & LANDINGS W/ CONC FILL, 7" MAX RISER, 11" MIN TREAD.
- 21

1 1/2" NOM. GALV STEEL PIPE GUARD, TOP @ 42" ABOVE LANDING, STAIR NOSING OR RAMP, PAINT, TYP. CONC SLAB ON VAPOR BARRIER ON 4" GRAVEL CAPILLARY BREAK IN OFFICE NODES (SHOWN SHADED).
- 22

PROVIDE SIGN W/ INTERNATIONAL SYMBOL OF ACCESS, ATTACH TO GLASS ADJACENT TO DOOR
- 23

HVAC EQUIPMENT AND PVC WALKWAY PADS BY TENANT
- 24

(2) 30"x48" WHEELCHAIR SPACE.
- 25

RECESSED DOCK LEVELER
- 26

ENTRY CANOPY - SEE STRUCTURAL
- 27

PROVIDE 10 MIL VAPOR BARRIER UNDER OFFICE AREAS

LIGHT FIXTURE LEGEND

- HIBAY 2'x4', LED, 192 WATTS (FILL: 90 MIN UNINTERRUPTED BATTERY BACKUP AS PER IBC 1008.3.4)
- RECESSED 2X4 LED 40 WATTS. (FILL: BATTERY BACKUP)
- SURFACE MOUNTED 2X4 LED 40 WATTS. (FILL: BATTERY BACKUP)
- WALL OR CEILING MOUNT ILLUMINATED EXIT SIGN, W/ DIRECTION ARROW AS INDICATED, EMERGENCY POWER PACK, WHITE HOUSING W/ GREEN LETTERS, TWO 5 WATT COMPACT FLUORESCENT LAMPS (90 MIN UNINTERRUPTED BATTERY BACKUP AS PER IBC 1008.3.4)
- EXIT

PROVIDE SELF-CONTAINED EGRESS ILLUMINATION FIXTURE WITH 90 MIN UNINTERRUPTED BATTERY BACKUP AS PER IBC 1008.3.4 (MAY BE COMBINED WITH EXIT SIGN)



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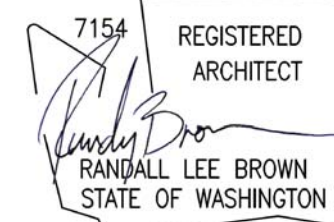
NELSON
DEVELOPMENT

P.O. BOX 1301
SEAHURST, WA 98062

REVISIONS

NO.	DATE	DESCRIPTION
1	10/11/2019	PERMIT SET

PROFESSIONAL STAMP



Digitally
signed by
Randy Brown
Date:
2019.10.10
20:30:24
-07'00'

PROJECT INFORMATION

NELSON 43
4301 78TH STREET SW
MUKILTEO, WA

SHEET INFORMATION

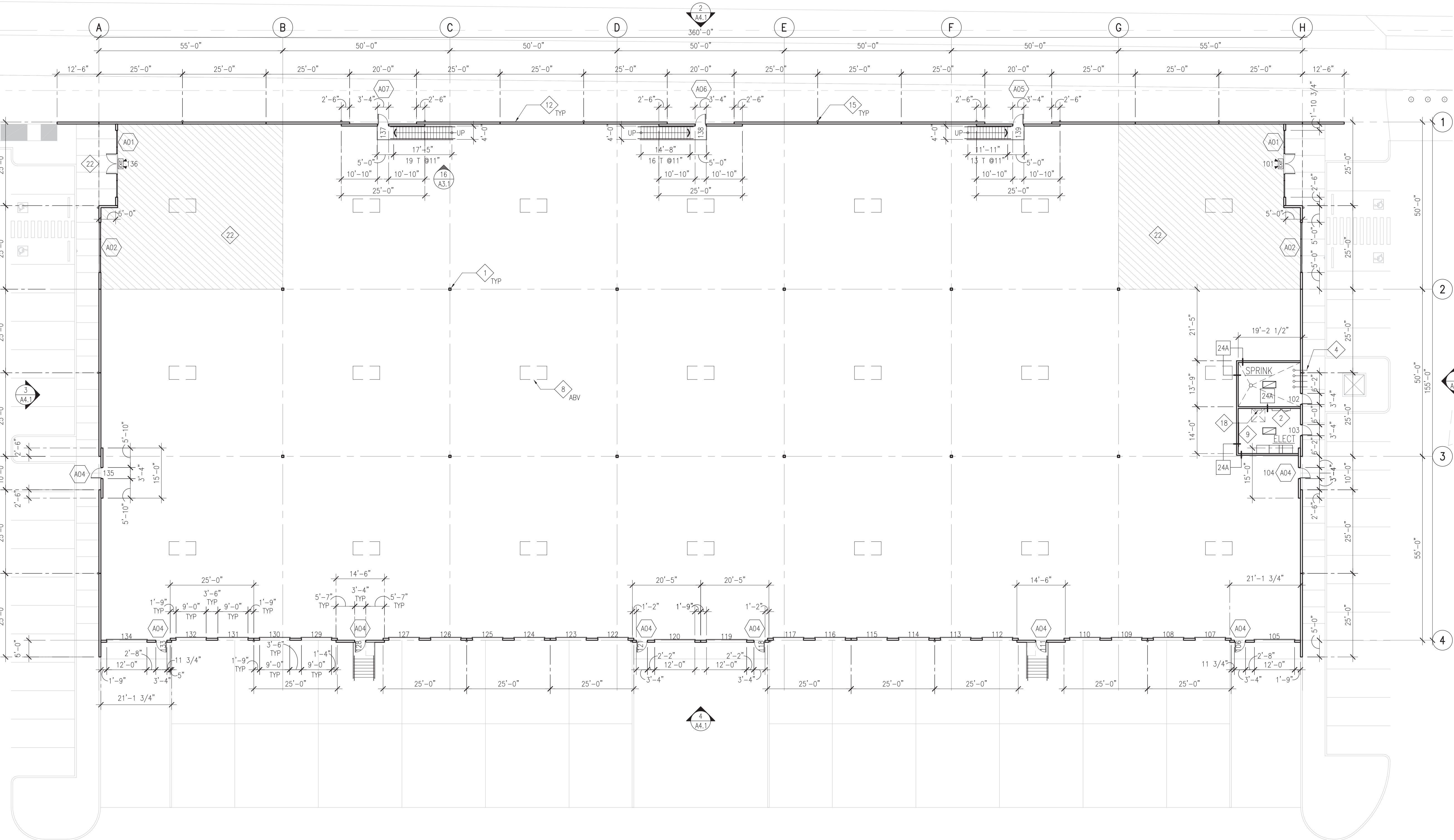
RELEASE FOR: BUILDING PERMIT
TITLE: FLOOR PLAN

DESIGNED BY: 08 07 19
REVIEWED BY:
DATE: 08 07 19
PROJECT NO: 201613.03.003

A2.1

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1 FLOOR PLAN
SCALE: 1/16" = 1'-0"

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) ACRYLIC TRIPLE DOME SKYLIGHT, SEE DET 8/AB.1.
- 9

4'x 8'x 3/4" PLYWOOD TELEPHONE BOARD.

- 10

HIBAY HID LIGHT FIXTURE, 400w METAL HALIDE LAMP.
- 11

1 1/2" 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/AB.1

- 15

6"Ø PVC EXT. RWL W/ OVERFLOW SCUPPER, PNT, SEE DET 2/AB.1 & 3/AB.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.
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48"x 48" ROOF ACCESS HATCH, SEE DET 9/AB.1.

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PROVIDE SIGN W/ INTERNATIONAL SYMBOL OF ACCESS, ATTACH TO GLASS ADJACENT TO DOOR
- 24

HVAC EQUIPMENT AND PVC WALKWAY PADS BY TENANT

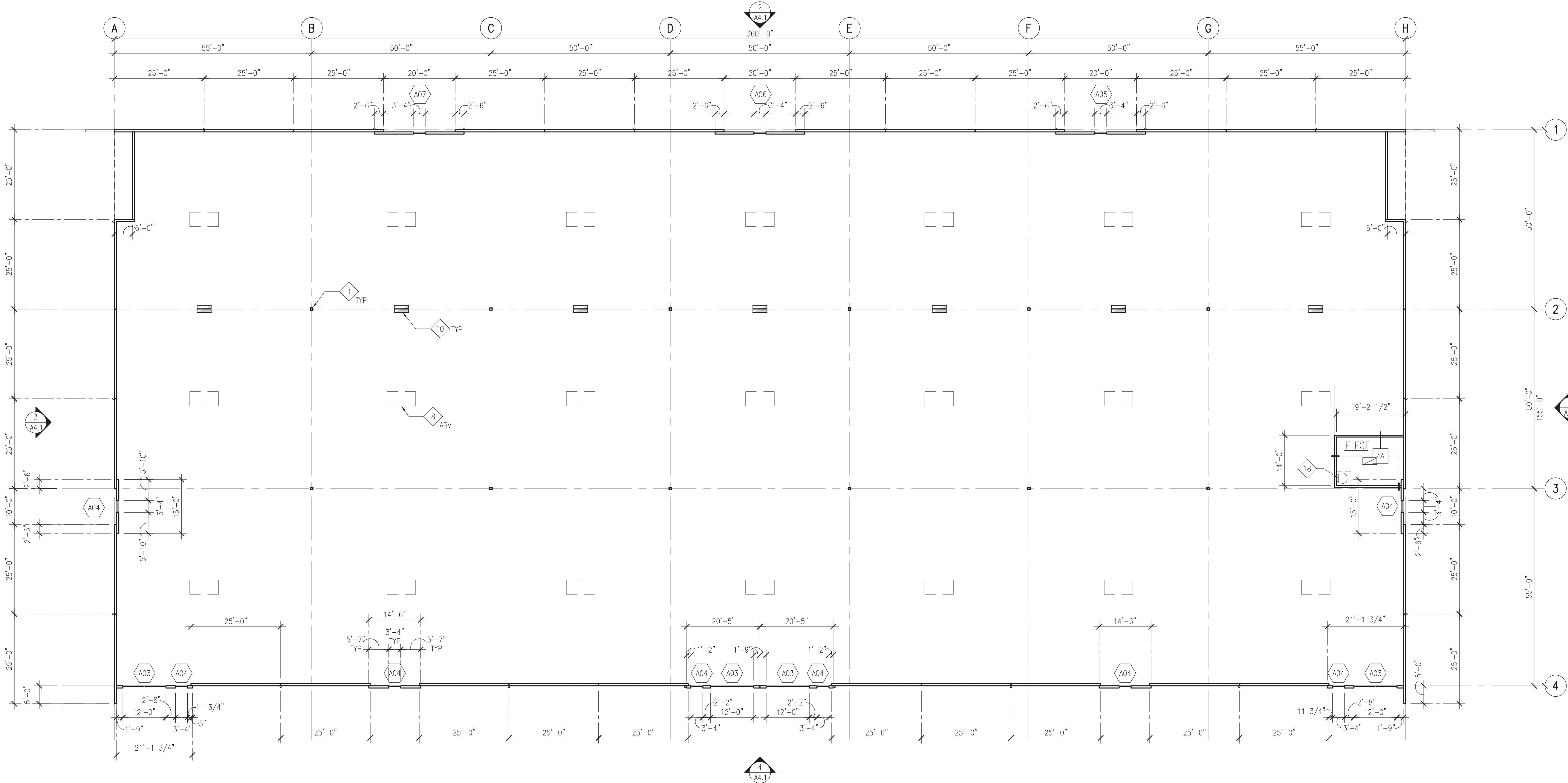
- 25

(2) 30"x48" WHEELCHAIR SPACE.
- 26

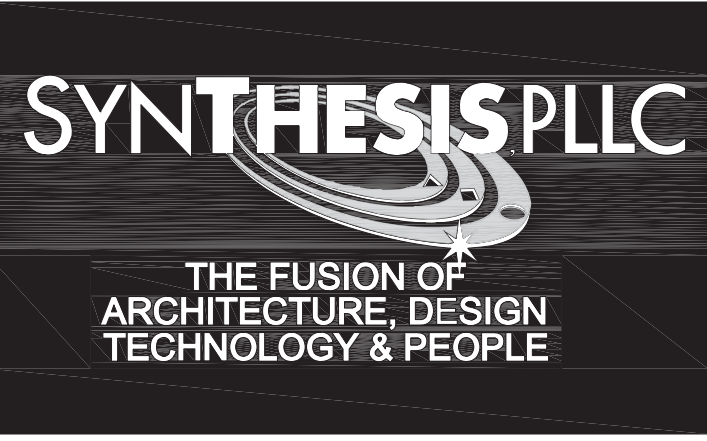
RECESSED DOCK LEVELER
- 27

ENTRY CANOPY - SEE STRUCTURAL
- 28

PROVIDE 10 MIL VAPOR BARRIER UNDER OFFICE AREAS



1 UPPER FLOOR PLAN
SCALE: 1/16" = 1'-0"



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DEVELOPMENT

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REVISIONS

NO.	DATE	DESCRIPTION
1	10/11/2019	PERMIT SET

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Randy Brown
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2019.10.10
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-07'00'

PROJECT INFORMATION

NELSON 43
4301 78TH STREET SW
MUKILTEO, WA

SHEET INFORMATION

RELEASE FOR:	BUILDING PERMIT
TITLE:	UPPER FLOOR PLAN
DESIGNED BY:	
DRAWN BY:	
REVIEWED BY:	
APPROVED BY:	
DATE:	08/07/19
SHEET NO.:	A2.2
PROJECT NO.:	201613.03.003

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PLAN KEYNOTES

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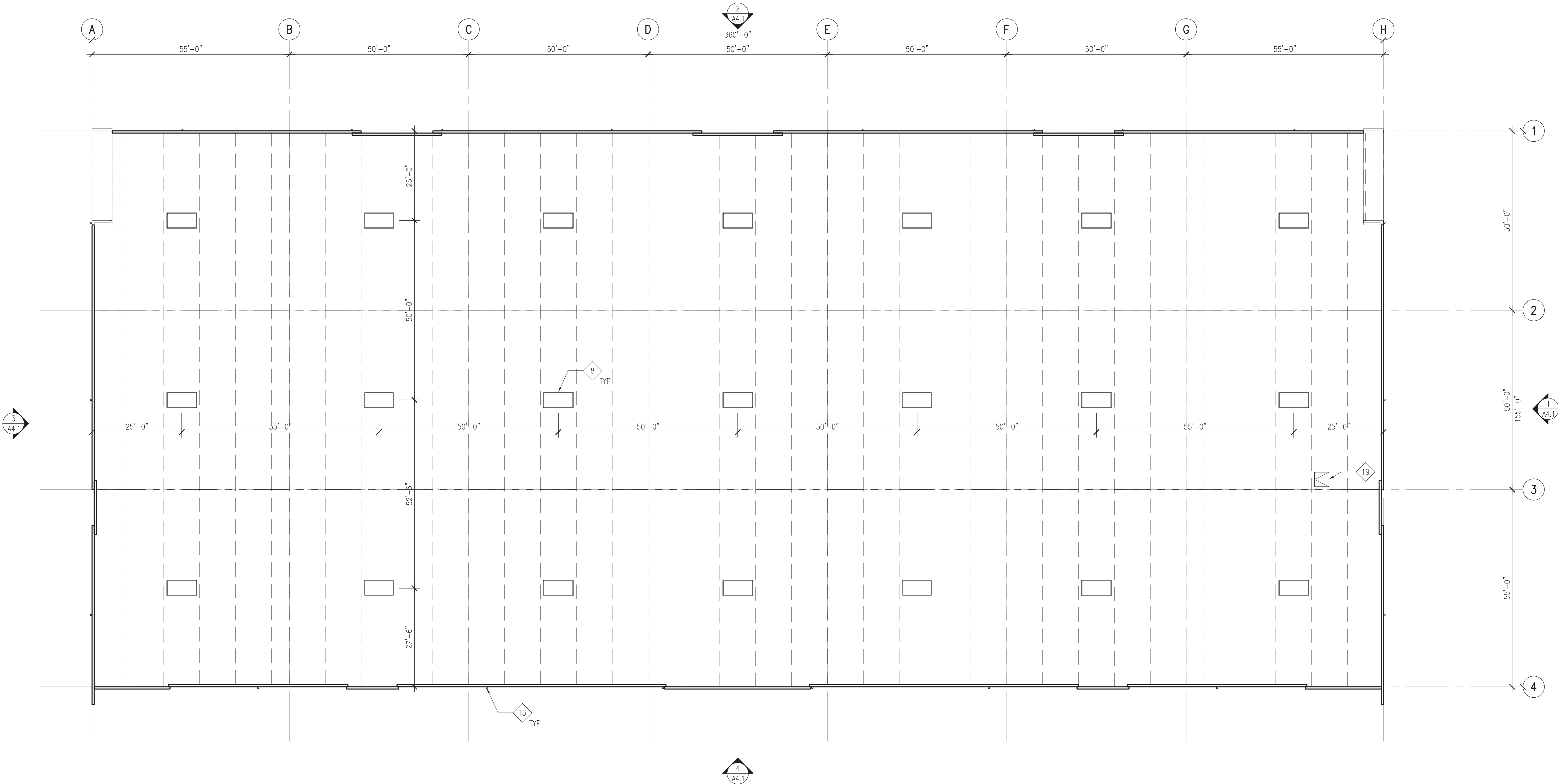
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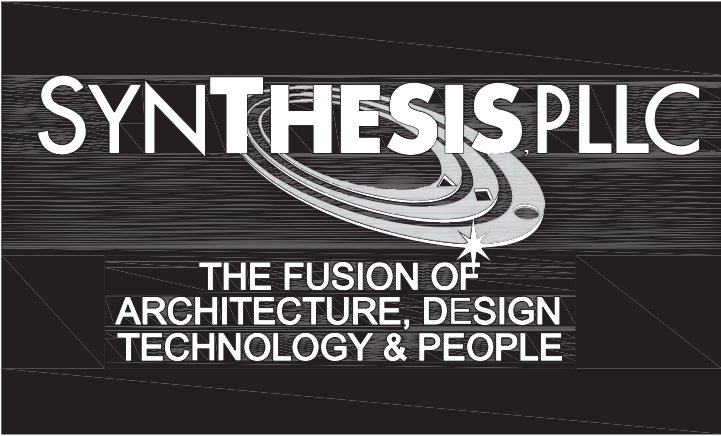
RECESSED DOCK LEVELER
- 26

ENTRY CANOPY - SEE STRUCTURAL
- 27

PROVIDE 10 MIL VAPOR BARRIER UNDER OFFICE AREAS



1 ROOF PLAN
SCALE: 1/16" = 1'-0"



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-07'00'

PROJECT INFORMATION

NELSON 43

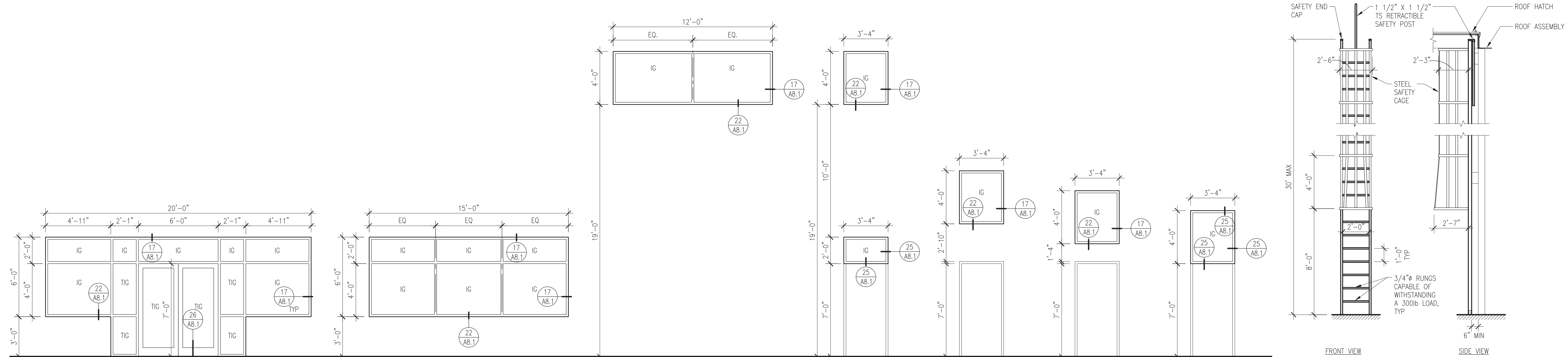
4301 78TH STREET SW
MUKILTEO, WA

SHEET INFORMATION

RELEASE FOR:	BUILDING PERMIT
TITLE:	ROOF PLAN
DESIGNED BY:	
DRAWN BY:	
REVIEWED BY:	
DATE:	08/07/19
SHEET NO.:	A2.3
PROJECT NO.:	201613.03.003

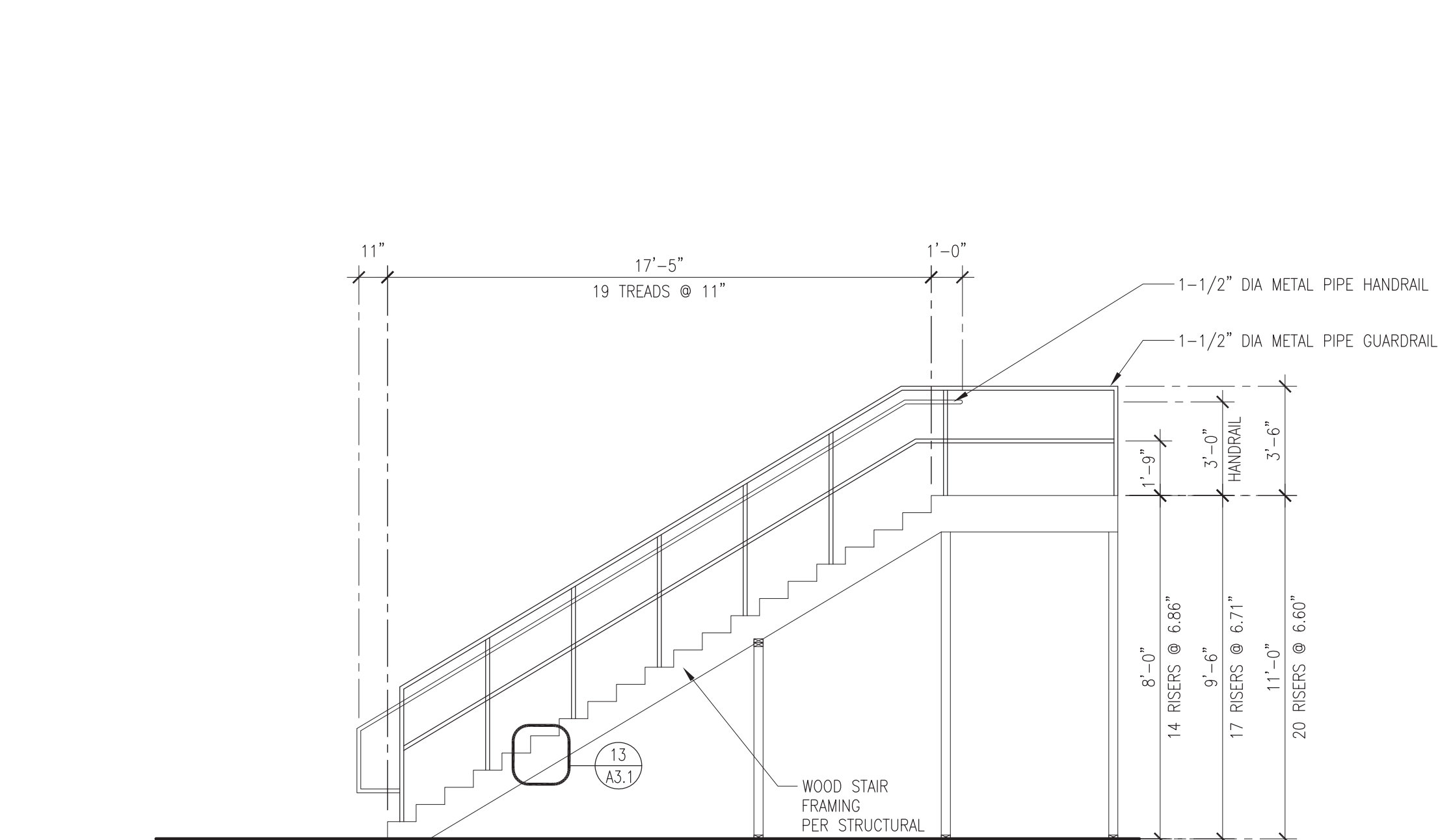
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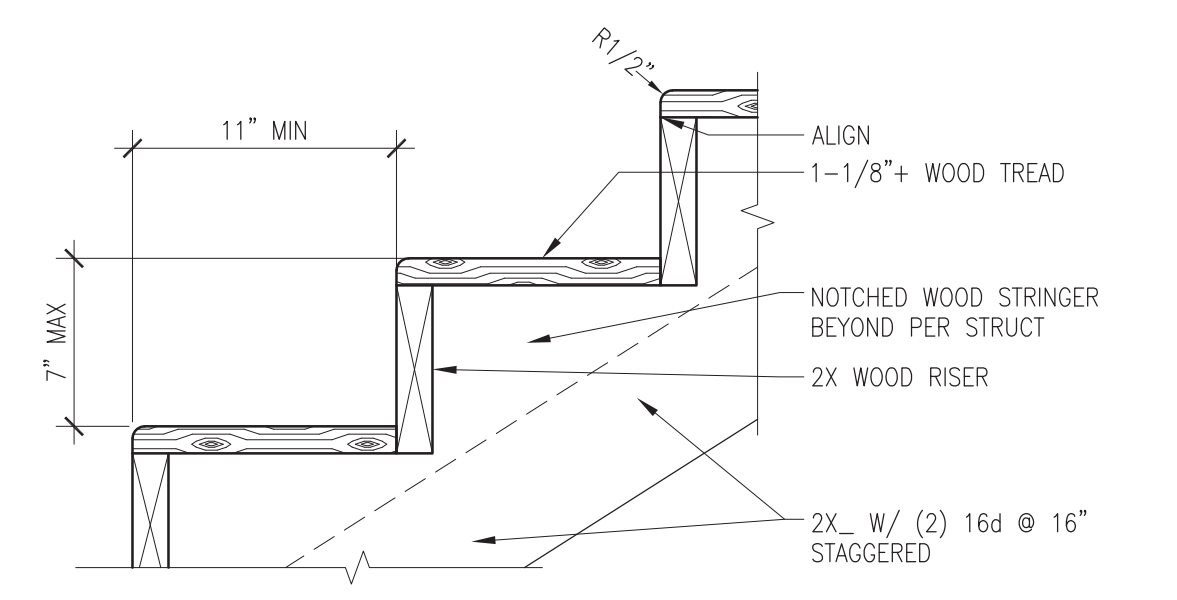


6 EXTERIOR OPENING TYPES
SCALE: N.T.S.

10 TYPICAL STEEL ROOF LADDER – CAGED
SCALE: 1/4" = 1'-0" MAX HEIGHT = 30' (OSHA)



13 ELEVATION: WAREHOUSE STAIR (NOT OPEN TO THE PUBLIC) – SHOWN 11'-0" HIGH
SCALE: 1/4" = 1'-0"



13 WOOD STAIR RISE & RUN
SCALE: 1-1/2" = 1'-0"

EXTERIOR GLAZING SCHEDULE											
VERTICAL OPENINGS											
TYPE	DESCRIPTION	SIZE (WxH)	VGA	QUANT.	UNITS	TOTAL VGA	U-FACTOR	VGA x U	NFRC-CPD / TABLE NO.	SHGC	REMARKS
A01	STOREFRONT ENTRANCE	6'-0" x 7'-0"	42.0 SF	2	1	84.0 SF	0.60	50.40	NFRC CERTIFIED	0.40	ENTRANCE DOORS ONLY
A01	STOREFRONT FIXED	SEE OPENING TYPE	48.2 SF	2	2	192.8 SF	0.38	73.26	NFRC CERTIFIED	0.40	ENTRANCE GLAZING
A01	ABOVE ENTRANCE	6'-0" x 2'-0"	12.0 SF	2	1	24.0 SF	0.38	9.12	NFRC CERTIFIED	0.40	TRANSOM
A02	STOREFRONT FIXED	15'-0" x 6'-0"	90.0 SF	2	1	180.0 SF	0.38	68.40	NFRC CERTIFIED	0.40	FLOOR 1 GLAZING
A03	FIXED WINDOW UNIT	12'-0" x 4'-0"	48.0 SF	4	1	192.0 SF	0.38	72.96	NFRC CERTIFIED	0.40	UPPER UNIT
A04	FIXED WINDOW UNIT	3'-4" x 2'-0"	6.7 SF	8	1	53.6 SF	0.38	20.37	NFRC CERTIFIED	0.40	TRANSOM
A04	FIXED WINDOW UNIT	3'-4" x 4'-0"	13.3 SF	8	1	106.4 SF	0.38	40.43	NFRC CERTIFIED	0.40	UPPER UNIT
A05	FIXED WINDOW UNIT	3'-4" x 4'-0"	13.3 SF	1	1	13.3 SF	0.38	5.05	NFRC CERTIFIED	0.40	UPPER UNIT
A06	FIXED WINDOW UNIT	3'-4" x 4'-0"	13.3 SF	1	1	13.3 SF	0.38	5.05	NFRC CERTIFIED	0.40	UPPER UNIT
A07	FIXED WINDOW UNIT	3'-4" x 4'-10"	16.1 SF	1	1	16.1 SF	0.38	6.12	NFRC CERTIFIED	0.40	TRANSOM
Area-Weighted Average Vertical Glazing U Factor = (Total VGA x U) / (Total VGA) =						0.38					
HORIZONTAL OPENINGS											
TYPE	DESCRIPTION	SIZE (WxH)	HGA	QUANT.	UNITS	TOTAL HGA	U-FACTOR	HGA x U	NFRC-CPD / TABLE NO.	SHGC	REMARKS
	SKYLIGHTS	4'-0" x 8'-0"	32.0 SF	21	1	672.0 SF	0.30	201.60	DEFAULT (Table C303.1.3(4))	0.25	TRIPLE DOME
TOTALS:						672.0 SF		201.60			
Area-Weighted Average Horizontal Glazing U Factor = (Total HGA x U) / (Total HGA) =						0.30					

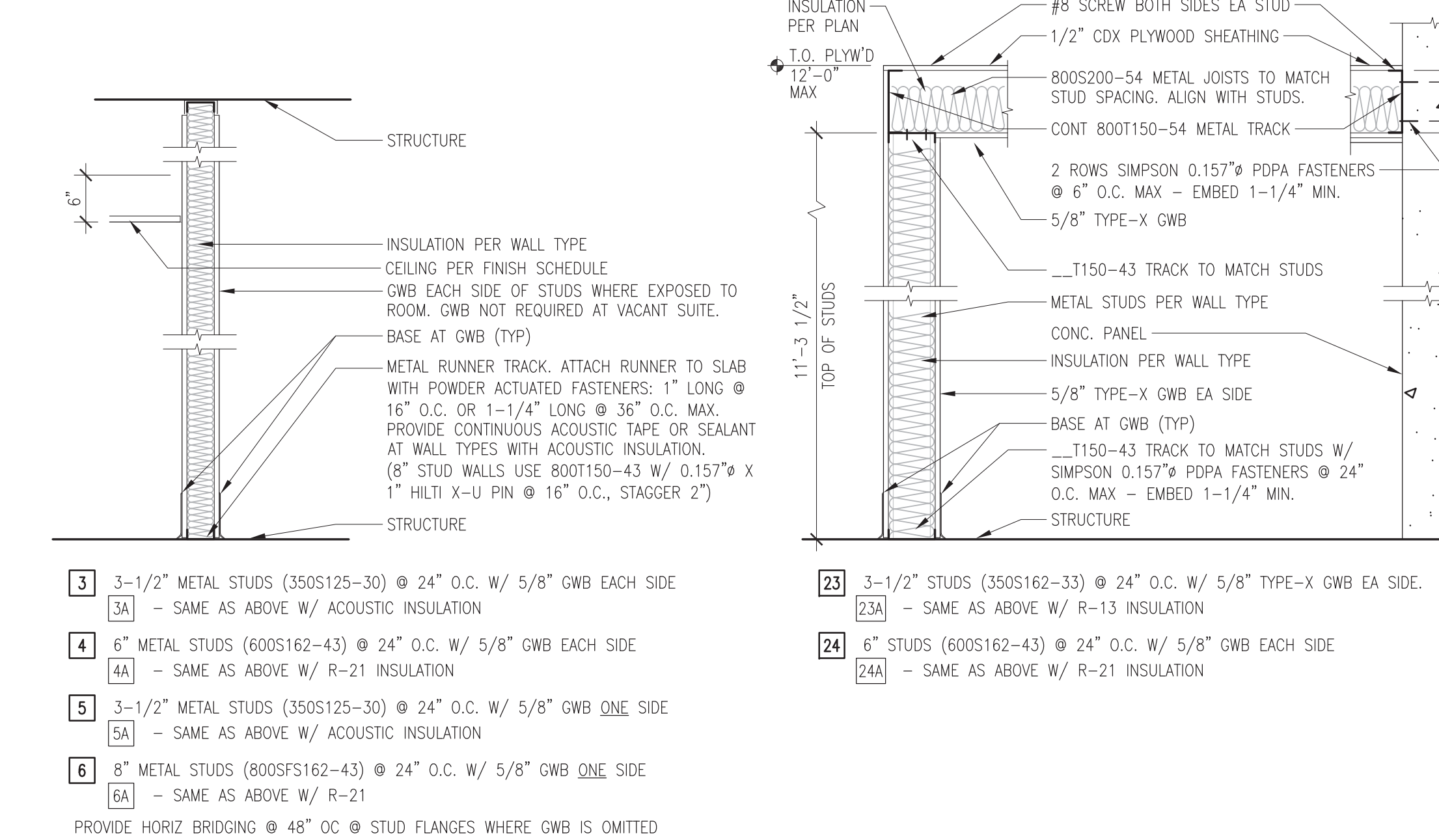
OPENING SCHEDULE																
DOORS / OPENINGS										DETAILS						
NO	TYPE	OPENING SIZE	THK	MATL	GL TYPE	RTG	HDW	CLSR	FIN	FRAMES TYPE	MATL	FIN	HEAD	JAMB	SILL	REMARKS
101	FG/FG	6'-0" x 8'-0"	1 3/4"	AL	TIG	---	4	Y	FCY	---	AL	---	---	---	26/A8.1	
102	F	3'-0" x 7'-0"	1 3/4"	HM	---	---	1	Y	PNT	1	HM	PNT	19/A8.1	19/A8.1	24/A8.1	
103	F	3'-0" x 7'-0"	1 3/4"	HM	---	---	---	---	PNT	1	HM	PNT	19/A8.1	19/A8.1	24/A8.1	
104	F	3'-0" x 7'-0"	1 3/4"	HM	---	---	---	---	PNT	1	HM	PNT	19/A8.1	19/A8.1	24/A8.1	
105	S	12'-0" x 14'-0"	---	STEEL	---	---	---	---	FCY	---	---	---	18/A8.1	23/A8.1	29/A8.1	
106	S	3'-0" x 7'-0"	1 3/4"	HM	---	---	---	---	PNT	1	HM	PNT	19/A8.1	19/A8.1	24/A8.1	
107	S	10'-0" x 9'-0"	---	STEEL	---	---	---	---	FCY	---	---	---	18/A8.1	23/A8.1	29/A8.1	
108	S	10'-0" x 9'-0"	---	STEEL	---	---	---	---	FCY	---	---	---	18/A8.1	23/A8.1	29/A8.1	
109	S	10'-0" x 9'-0"	---	STEEL	---	---	---	---	FCY	---	---	---	18/A8.1	23/A8.1	29/A8.1	
110	S	10'-0" x 9'-0"	---	STEEL	---	---	---	---	FCY	---	---	---	18/A8.1	23/A8.1	29/A8.1	
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	
112	S	10'-0" x 9'-0"	---	STEEL	---	---	---	---	FCY	---	---	---	18/A8.1	23/A8.1	29/A8.1	
113	S	10'-0" x 9'-0"	---	STEEL	---	---	---	---	FCY	---	---	---	18/A8.1	23/A8.1	29/A8.1	
114	S	10'-0" x 9'-0"	---	STEEL	---	---	---	---	FCY	---	---	---	18/A8.1	23/A8.1	29/A8.1	
115	S	10'-0" x 9'-0"	---	STEEL	---	---	---	---	FCY	---	---	---	18/A8.1	23/A8.1	29/A8.1	
116	S	10'-0" x 9'-0"	---	STEEL	---	---	---	---	FCY	---	---	---	18/A8.1	23/A8.1	29/A8.1	
117	S	10'-0" x 9'-0"	---	STEEL	---	---	---	---	FCY	---	---	---	18/A8.1	23/A8.1	29/A8.1	
118	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	
119	S	12'-0" x 14'-0"	---	STEEL	---	---	---	---	FCY	---	---	---	18/A8.1	23/A8.1	29/A8.1	
120	S	12'-0" x 14'-0"	---	STEEL	---	---	---	---	FCY	---	---	---	18/A8.1	23/A8.1	29/A8.1	
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	
122	S	10'-0" x 9'-0"	---	STEEL	---	---	---	---	FCY	---	---	---	18/A8.1	23/A8.1	29/A8.1	
123	S	10'-0" x 9'-0"	---	STEEL	---	---	---	---	FCY	---	---	---	18/A8.1	23/A8.1	29/A8.1	
124	S	10'-0" x 9'-0"	---	STEEL	---	---	---	---	FCY	---	---	---	18/A8.1	23/A8.1	29/A8.1	
125	S	10'-0" x 9'-0"	---	STEEL	---	---	---	---	FCY	---	---	---	18/A8.1	23/A8.1	29/A8.1	
126	S	10'-0" x 9'-0"	---	STEEL	---	---	---	---	FCY	---	---	---	18/A8.1	23/A8.1	29/A8.1	
127	S	10'-0" x 9'-0"	---	STEEL	---	---	---	---	FCY	---	---	---	18/A8.1	23/A8.1	29/A8.1	
128	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	
129	S	10'-0" x 9'-0"	---	STEEL	---	---	---	---	FCY	---	---	---	18/A8.1	23/A8.1	29/A8.1	
130	S	10'-0" x 9'-0"	---	STEEL	---	---	---	---	FCY	---	---	---	18/A8.1	23/A8.1	29/A8.1	
131	S	10'-0" x 9'-0"	---	STEEL	---	---	---	---	FCY	---	---	---	18/A8.1	23/A8.1	29/A8.1	
132	S	10'-0" x 9'-0"	---	STEEL	---	---	---	---	FCY	---	---	---	18/A8.1	23/A8.1	29/A8.1	
133	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	
134	S	12'-0" x 14'-0"	---	STEEL	---	---	---	---	FCY	---	---	---	18/A8.1	23/A8.1	29/A8.1	
135	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	
136	FG/FG	6'-0" x 8'-0"	1 3/4"	AL	TIG	---	4	Y	FCY	---	AL	---	---	---	26/A8.1	
137	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	
138	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	
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	

18 DOOR AND FRAME TYPES
SCALE: N.T.S. * = DIMENSION PER SPECIFIED DOOR STYLE

DOOR NOTES	
1.	DOOR TYPE INDICATIONS AS NOTATED BY THE STEEL DOOR INSTITUTE WHERE APPLICABLE. IBC 2015
2.	NOTATION OF PAIRS OF DOORS: F DENOTES SINGLE DOOR FF DENOTES PAIR OF DOORS
3.	DETAILS ARE FOUND ON SHEET A8.1.
4.	DOOR TYPES F & FG TO BE OPENABLE FROM THE INSIDE BY TURN OF A LEVER HANDLE. A DEAD BOLT MAY BE PROVIDED AT THE MAIN ENTRY IF A SIGN IS APPLIED TO THE INSIDE OF THE DOOR PER IBC SECTION 1010.1.9.3 (2.2) STATING, "THIS DOOR TO REMAIN UNLOCKED WHEN BUILDING IS OCCUPIED" LETTERS 1" HIGH ON A CONTRASTING BACKGROUND.
5.	PROVIDE ILLUMINATED EXIT SIGNS WITH BATTERY-POWERED EGRESS LIGHTING AT DOORS INDICATED BY EXIT-SIGN SYMBOL ON THE DRAWING. THE EGRESS LIGHTING ASSEMBLY SHALL PROVIDE ILLUMINATION OF A MINIMUM OF ONE FOOT CANDLE AT FLOOR LEVEL.
6.	ALL EXIT DOORS SHALL BE OPENABLE FROM THE INSIDE WITHOUT THE USE OF A KEY OR ANY SPECIAL KNOWLEDGE OR EFFORT.
7.	DOOR HARDWARE TO BE INSTALLED BETWEEN 34" MINIMUM AND 48" MAXIMUM AFF (IBC 2015 1010.1.9.2)

HARDWARE GROUPS	
HW-1 Exterior	HW-4 Storefront Entry
1 1/2" PR HINGES	3 PR HINGES
3 SILENCERS	2 DOOR SWEEPS
1 KEYS LOCKSET	1 CONTINUOUS SEAL
	2 WALL/FLOOR STOPS
	1 LOCKSET

- NOTES:
- FLUSH BOLTS: "WHERE EGRESS DOORS ARE USED IN PAIRS, APPROVED AUTOMATIC FLUSH BOLTS SHALL BE PERMITTED TO BE USED, PROVIDED THAT THE DOOR LEAF HAVING THE AUTOMATIC FLUSH BOLTS HAS NO DOORKNOB OR SURFACE-MOUNTED HARDWARE." (IBC SECTION 1008.1.9.3.3) MANUALLY OPERATED FLUSH BOLTS OR SURFACE BOLTS ARE PERMITTED FROM THE OFFICE TO THE EXTERIOR, BUT NOT FROM THE WAREHOUSE TO THE EXTERIOR (IF WAREHOUSE OCCUPANT LOAD IS 50 OR GREATER). (IBC 1008.1.9.4 & EXCEPTIONS)
 - MAIN STOREFRONT DOORS ARE PERMITTED TO BE EQUIPPED WITH KEY-OPERATED LOCKING DEVICES FROM THE EGRESS SIDE. SEE NOTE UNDER DOOR NOTES. (IBC SECTION 1008.1.9.3.2)
 - THE UNLATCHING OF ANY DOOR OR LEAF SHALL NOT REQUIRE MORE THAN ONE OPERATION. (IBC SECTION 1008.1.9.5)



26 WALL TYPES
SCALE: N.T.S.

NELSON
DEVELOPMENT

P.O. BOX 1301
SEAHURST, WA 98062

REVISIONS

1	10 11 2019	PERMIT SET
ISSUE NO.	DATE	ITEM

PROFESSIONAL STAMP

7154 REGISTERED ARCHITECT
Randall Lee Brown
STATE OF WASHINGTON

Digitally signed
by Randy
Brown

Date:
2019.10.10
20:31:36 -07'00'

PROJECT INFORMATION

NELSON 43
4301 78TH STREET SW
MUKILTEO, WA

SHEET INFORMATION

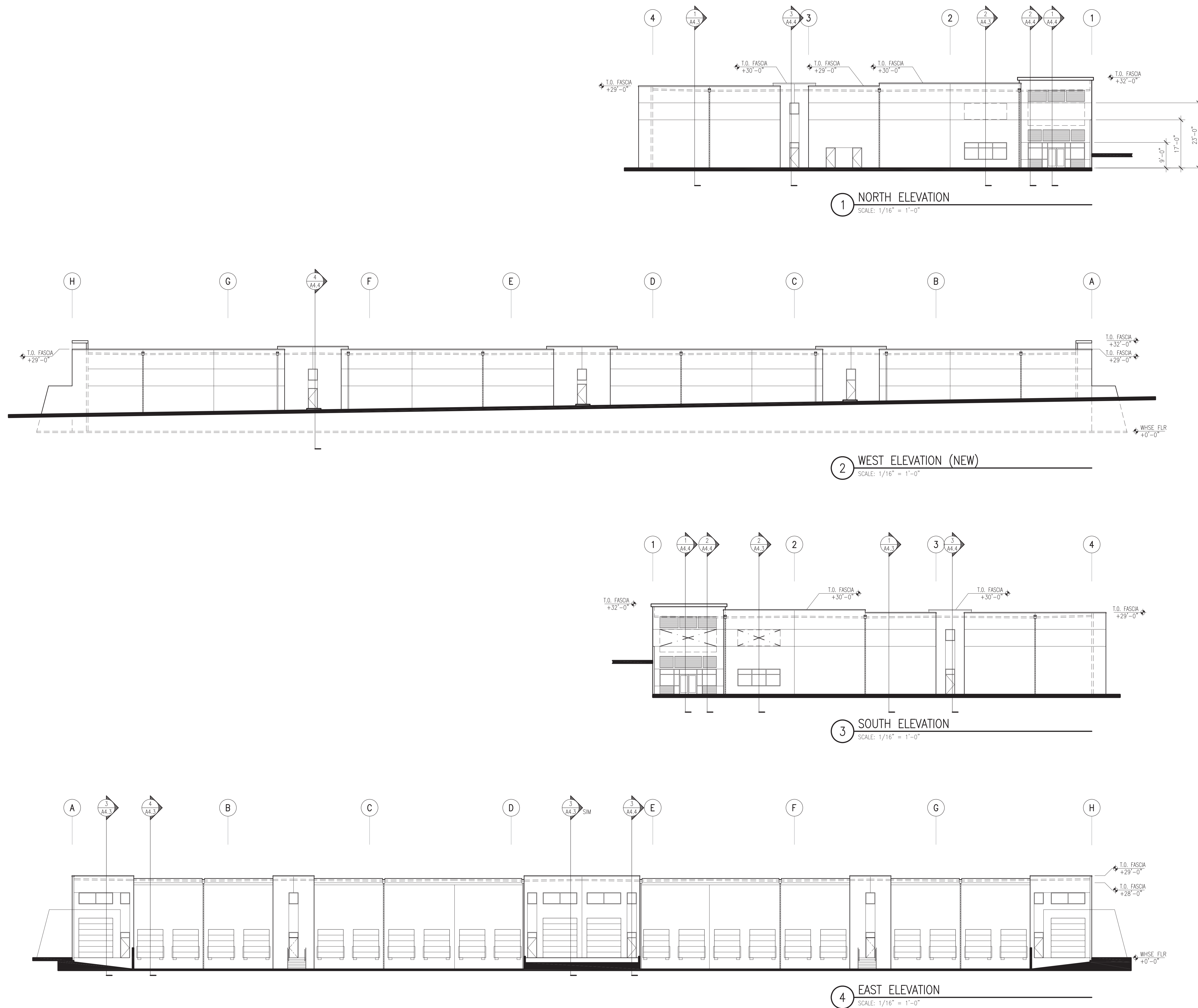
RELEASE FOR: BUILDING PERMIT
TITLE: EXTERIOR ELEVATIONS

DESIGNED BY: _____ DRAWN BY: _____
REVIEWED BY: _____ APPROVED BY: _____
DATE: 08 07 19 SHEET NO: _____
PROJECT NO: 201613.03.003

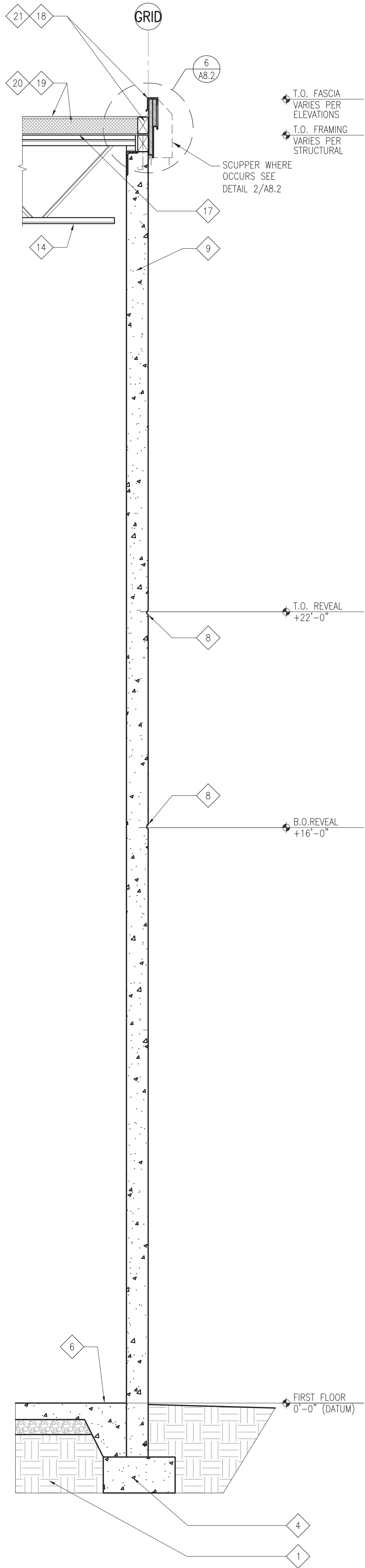
A4.1

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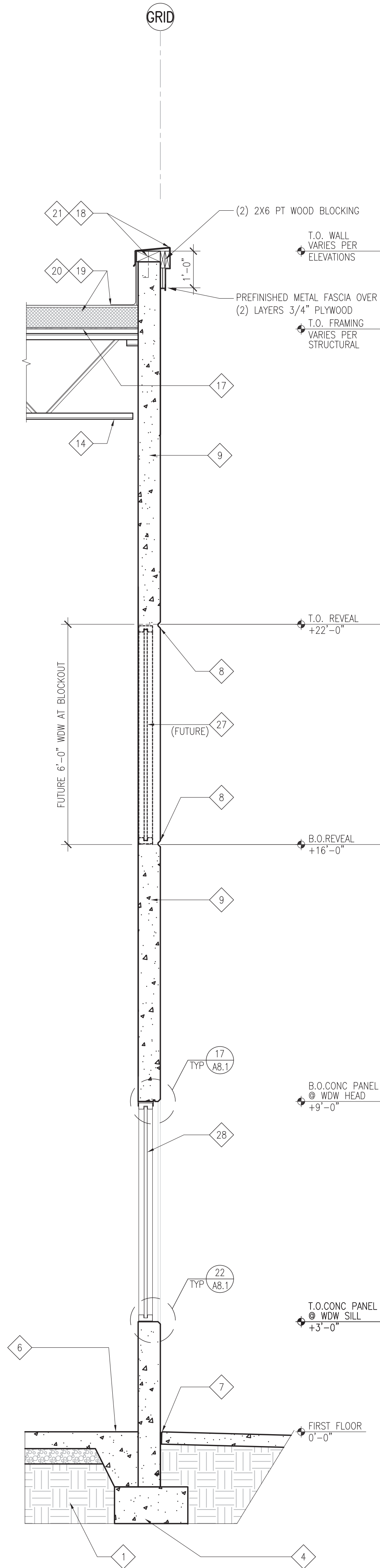
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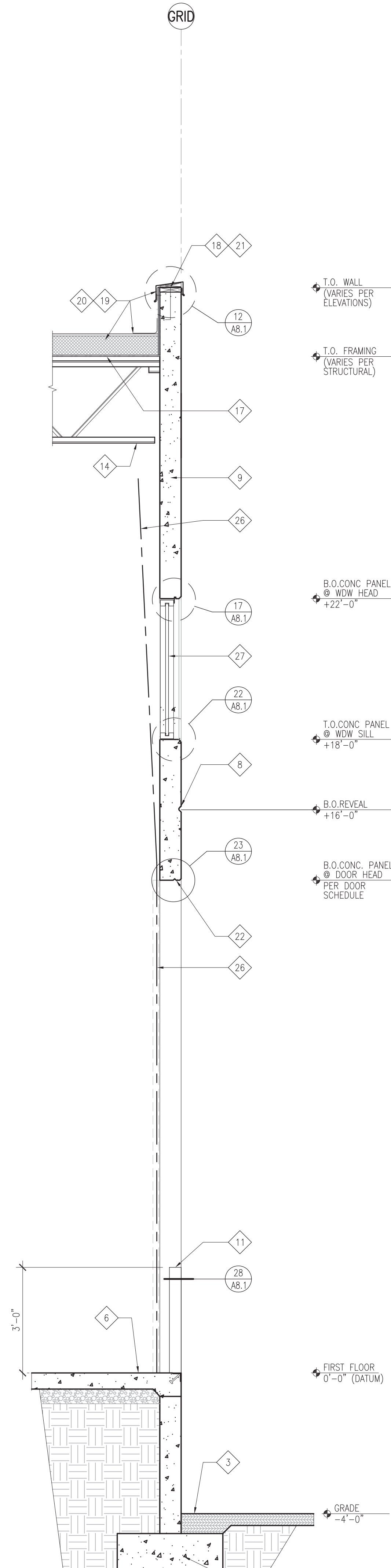
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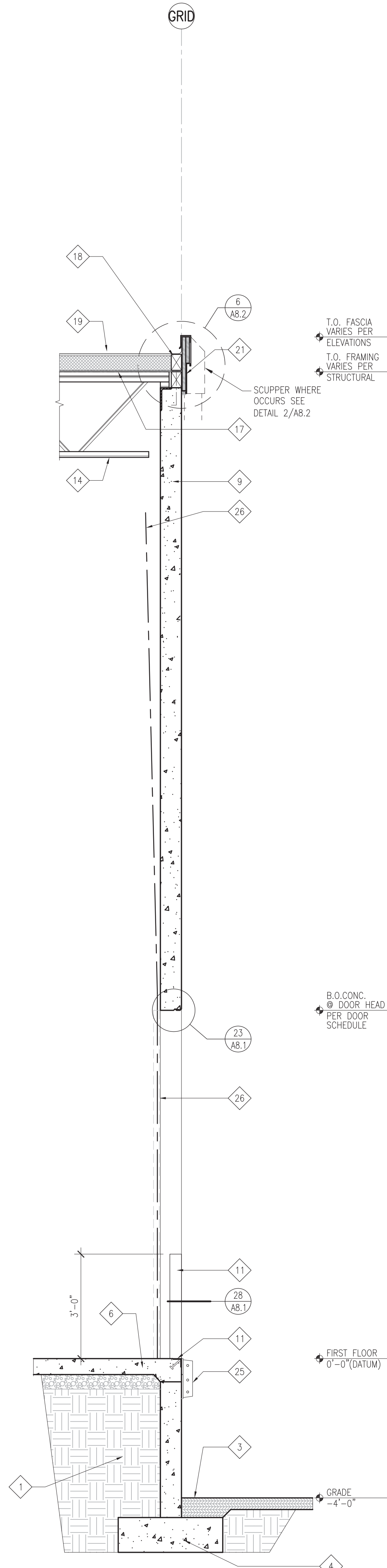
1 TYPICAL WALL SECTION
SCALE: 1/2" = 1'-0"



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



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



4 TYP 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 AC 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 (W/ BACKER ROD AS NEEDED)
- 8 HORIZONTAL REVEAL, SEE DETAIL 13/AB.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 1/2" PROTECTION BOARD ON RIGID INSULATION W/ VAPOR BARRIER & 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 WATERPROOFING MEMBRANE SUBSURFACE DRAINAGE
- 36 PATTERN USING CONCRETE FORM LINER
- 37 R-10 PERIMETER RIGID INSULATION WITH TAPERED TOP EDGE



12503 Bel-Red Road, Suite 101
Bellevue, WA 98005
p 425 646 1818 f 425 646 4141

NELSON DEVELOPMENT

P.O. BOX 1301
SEAHURST, WA 98062

REVISIONS

NO.	DESCRIPTION	DATE
1	ISSUE NO.	DATE
10	11	2019
11	12	2019
12	13	2019
13	14	2019
14	15	2019
15	16	2019
16	17	2019
17	18	2019
18	19	2019
19	20	2019
20	21	2019
21	22	2019
22	23	2019
23	24	2019
24	25	2019
25	26	2019
26	27	2019
27	28	2019
28	29	2019
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30	31	2019
31	32	2019
32	33	2019
33	34	2019
34	35	2019
35	36	2019
36	37	2019

PROFESSIONAL STAMP

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signed by
Randy Brown
Date:
2019.10.10
20:32:00
-07'00'

PROJECT INFORMATION

NELSON 43
4301 78TH STREET SW
MUKILTEO, WA

SHEET INFORMATION

RELEASE FOR: BUILDING PERMIT
TITLE: WALL SECTIONS

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

DATE: 08 07 19

SHEET NO:
PROJECT NO: 201613.03.003

A4.3

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NELSON DEVELOPMENT

P.O. BOX 1301
SEAHURST, WA 98062

REVISIONS

ISSUE NO.	DATE	ITEM
1	10 11 2019	PERMIT SET

PROFESSIONAL STAMP

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signed by
Randy Brown
Date:
2019.10.10
20:32:17
-07'00'

PROJECT INFORMATION

NELSON 43
4301 78TH STREET SW
MUKILTEO, WA

SHEET INFORMATION

RELEASE FOR: BUILDING PERMIT
TITLE: WALL SECTIONS

DESIGNED BY: DRAWN BY:
REVIEWED BY: APPROVED BY:
DATE: 08 07 19
PROJECT NO: 201613.03.003
SHEET NO:

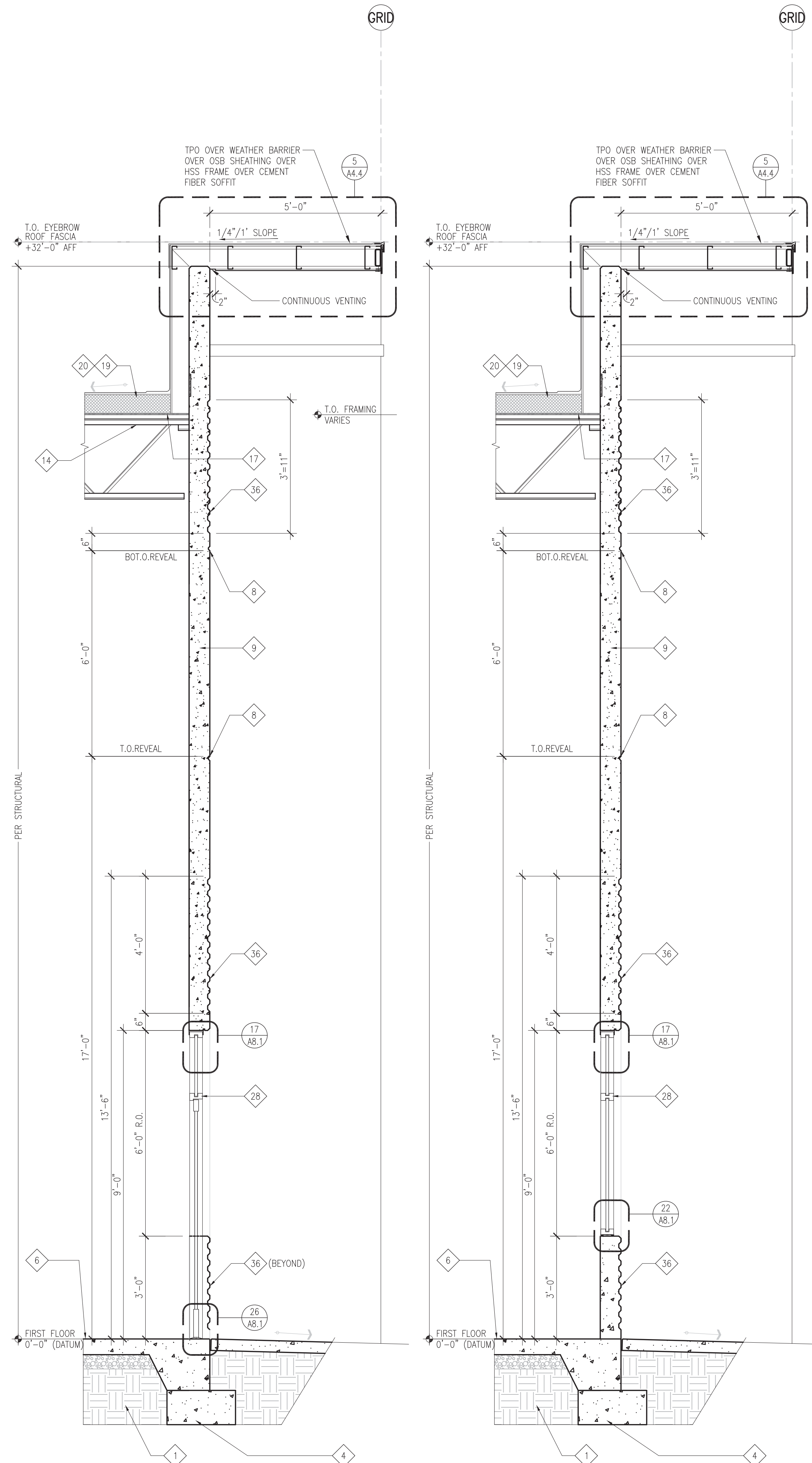
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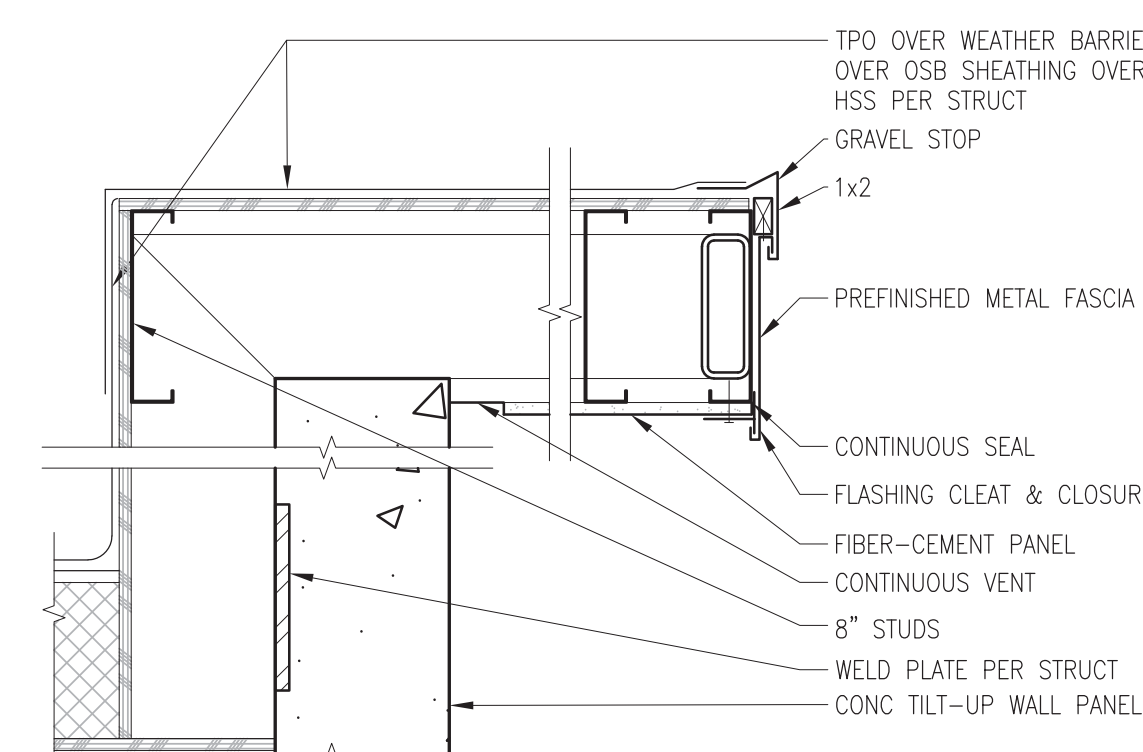
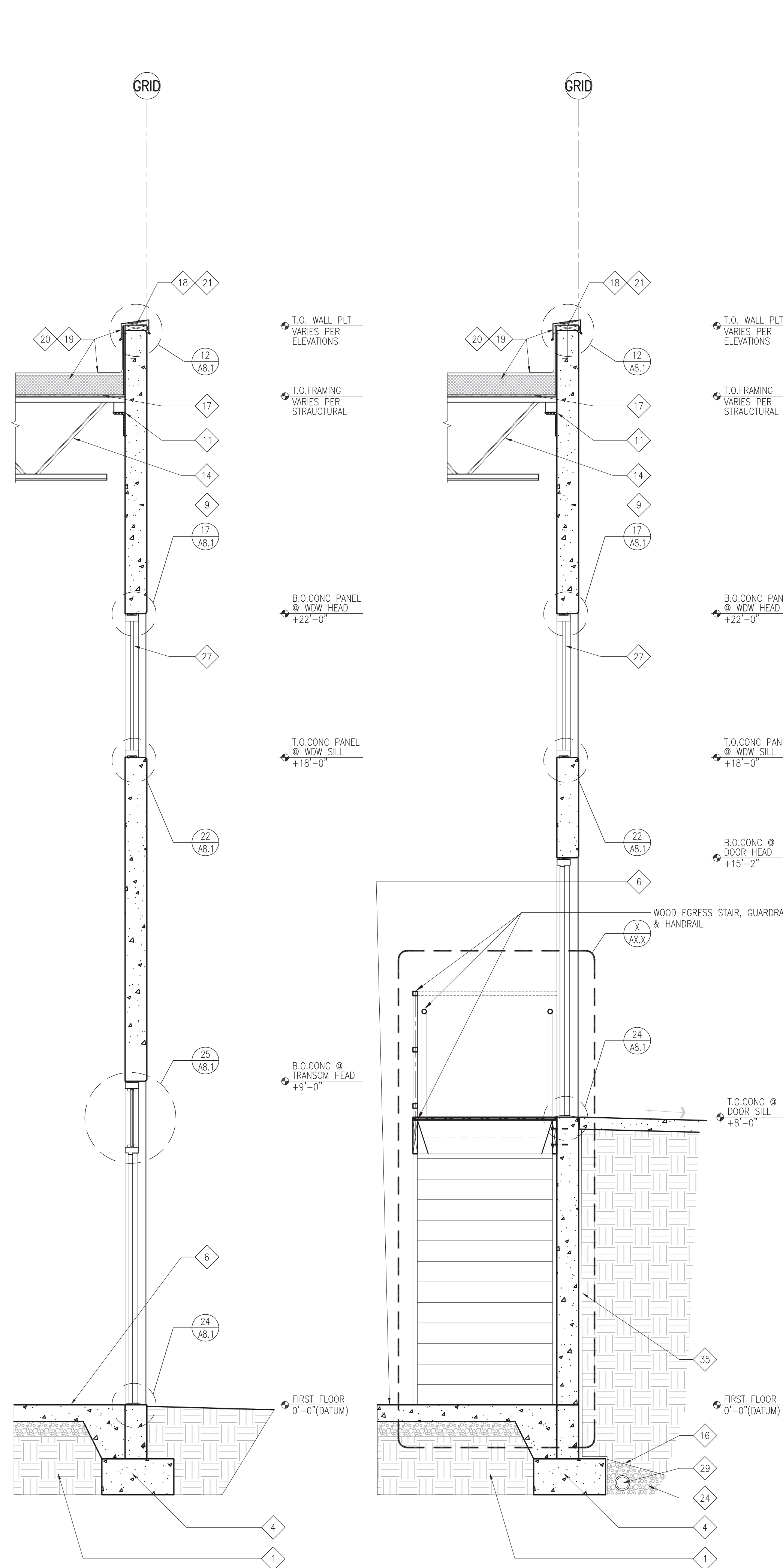
KEYNOTES – WALL SECTIONS

NOTE: NOT ALL KEYNOTES ARE USED

- STRUCTURAL FILL
- CURTAIN BOARD BEYOND
- AC PAVING
- CONC FOOTING, SEE STRUCT DWGS FOR ELEVATION
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- SEALANT (W/ BACKER ROD AS NEEDED)
- HORIZONTAL REVEAL, SEE DETAIL 13/A8.1, TYP UON
- SITE CAST CONC WALL PANEL, PAINT
- CANT
- STEEL ANGLE, SEE STRUCT DWGS.
- STEEL GIRDER, SEE STRUCTURAL FRAMING PLAN
- STEEL BEAM, PAINT. SEE STRUCTURAL FRAMING PLAN
- STEEL JOIST, SEE STRUCTURAL FRAMING PLAN
- TUBE STEEL COLUMN OR BEAM, SEE STRUCTURAL DRAWINGS
- FILTER FABRIC
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- DRIP FORMED IN CONC PANEL
- SURFACE REGLET
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- GLAZING TYPE IG
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- STEEL CHANNELS, SEE STRUCTURAL DRAWINGS
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- WATERPROOFING MEMBRANE SUBSURFACE DRAINAGE
- PATTERN USING CONCRETE FORM LINER
- R-10 PERIMETER RIGID INSULATION WITH TAPERED TOP EDGE



NOTE: FOR ADDITIONAL INFORMATION REFER TO SIMILAR LOBBY ENTRY WALL SECTION 1 / A4.4



1 WALL SECTION AT LOBBY ENTRY
SCALE: 1/2" = 1'-0"

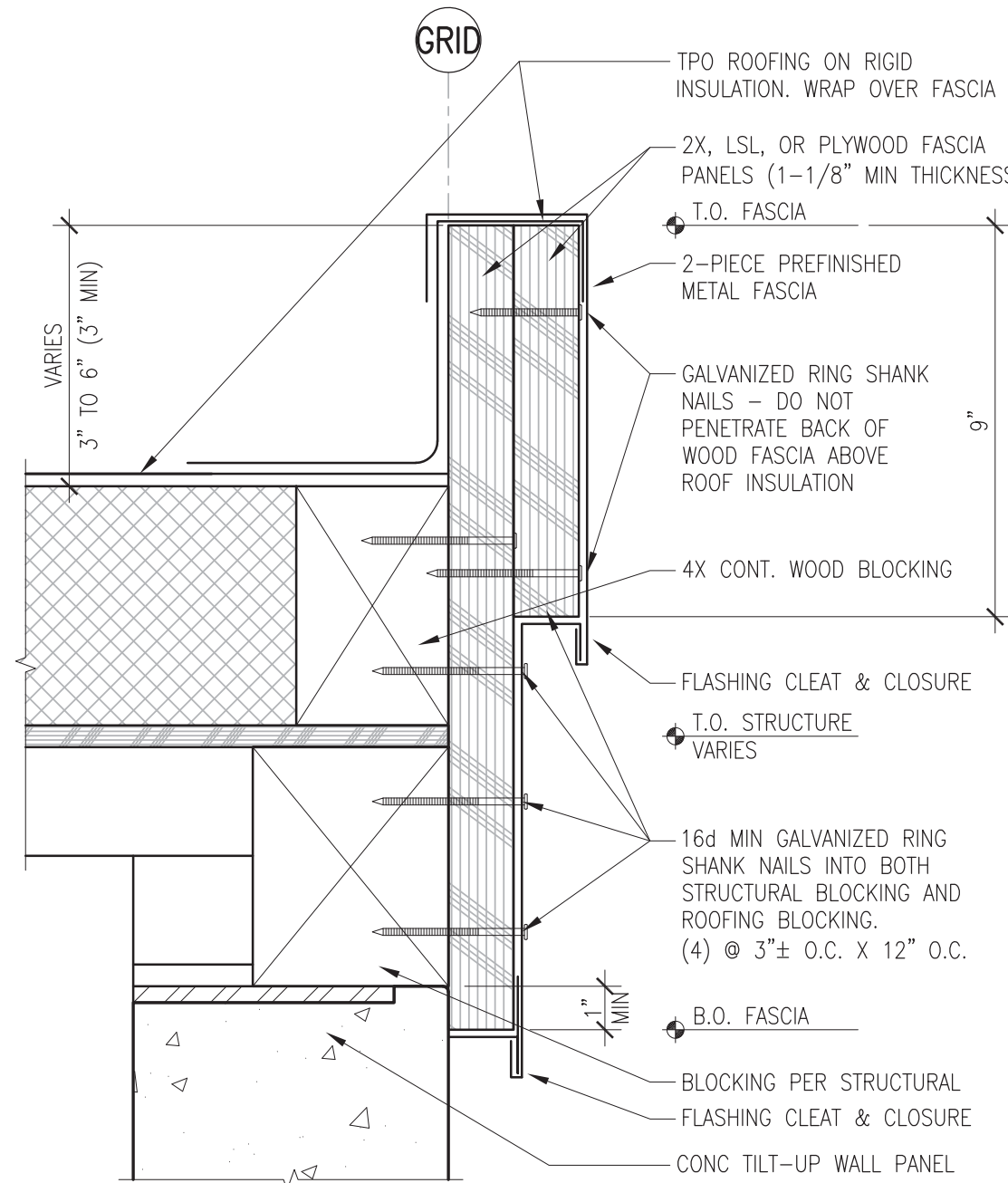
2 WALL SECTION AT LOBBY STOREFRONT
SCALE: 1/2" = 1'-0"

3 WALL SECTION: EGRESS DOOR W/ WINDOW
SCALE: 1/2" = 1'-0"

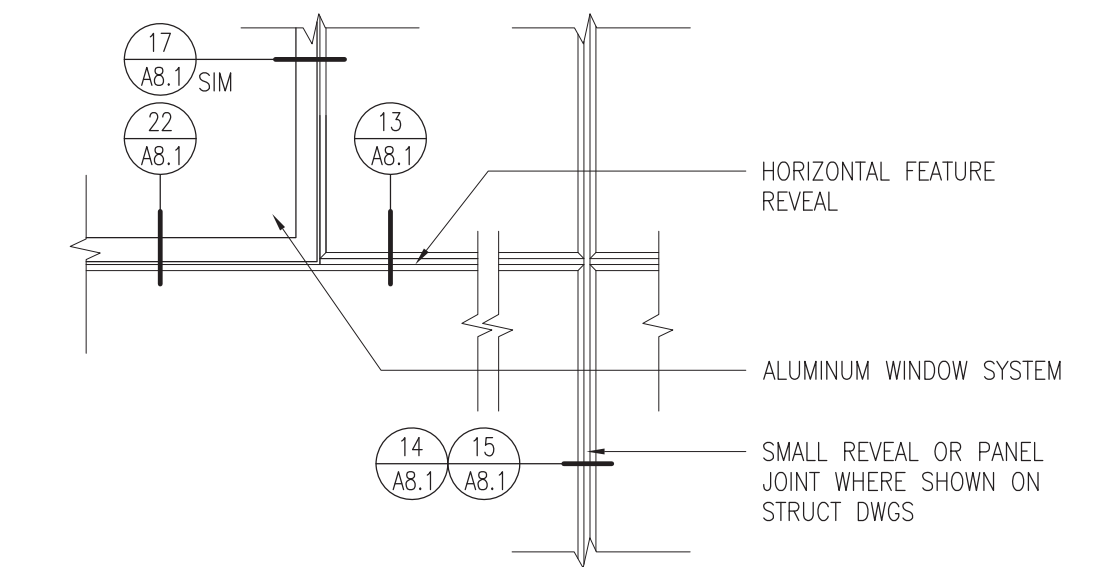
4 WALL SECTION: EGRESS DOOR W/ STAIRS
SCALE: 1/2" = 1'-0"

5 TYPICAL OVERHANG FASCIAS
SCALE: 1 1/2" = 1'-0"

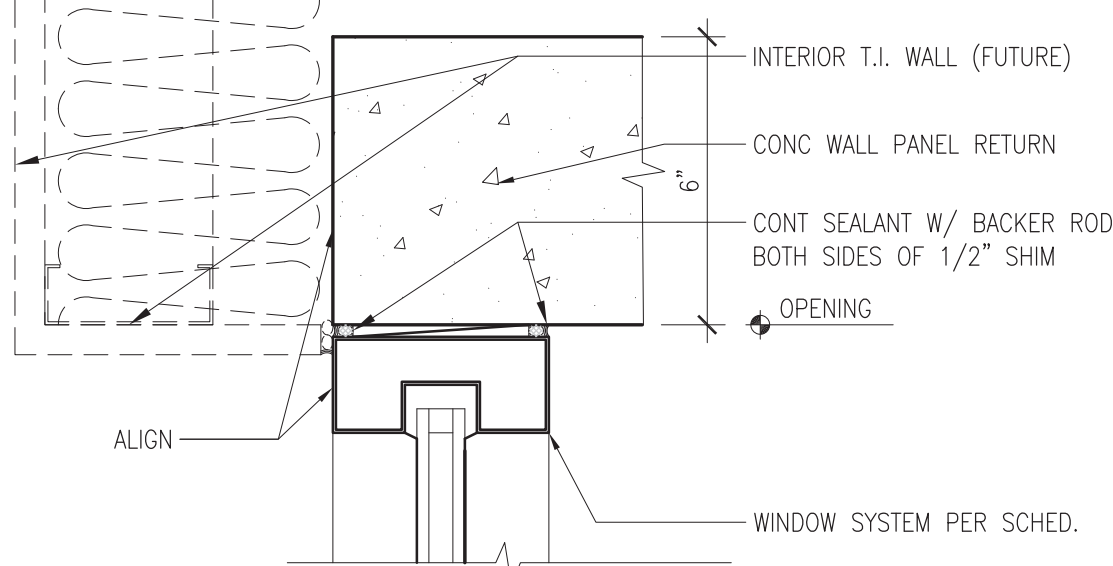
TPO, Wood Deck



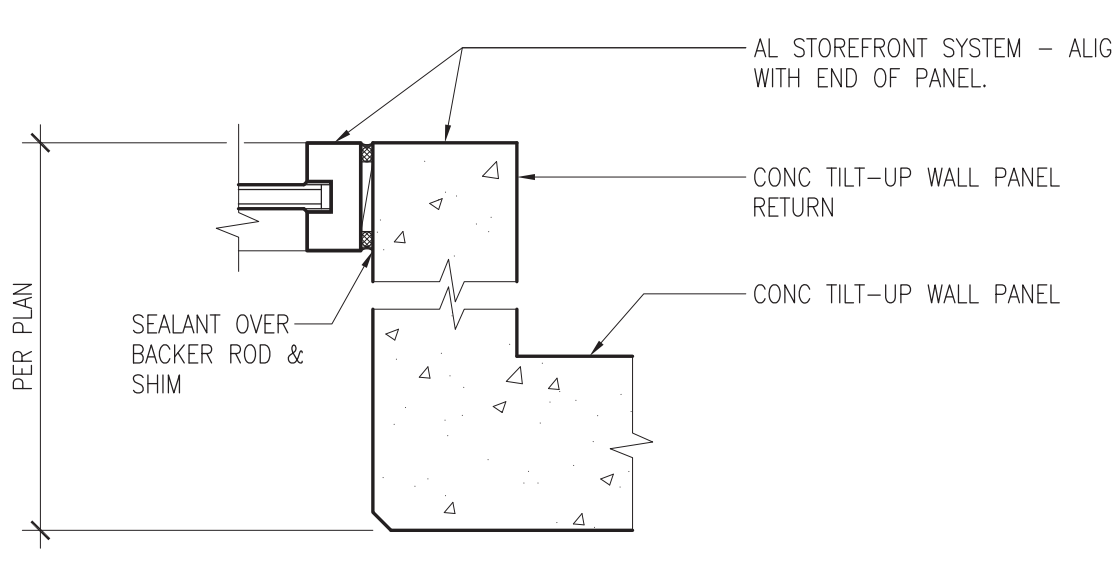
6 TYPICAL FASCIA
SCALE: 3" = 1'-0"



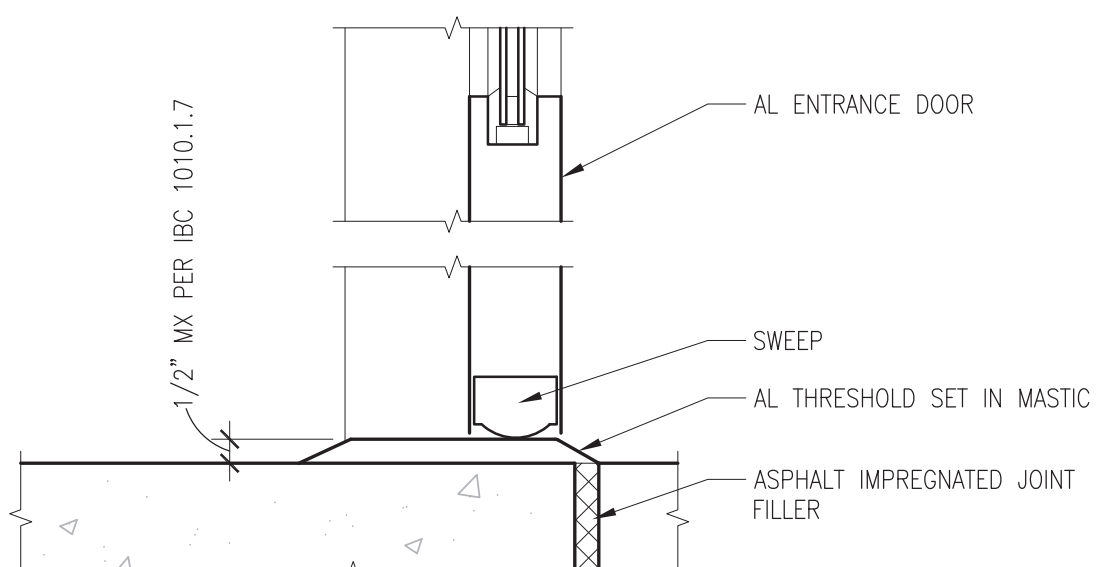
11 PARTIAL PANEL ELEVATION
SCALE: 3/4" = 1'-0"



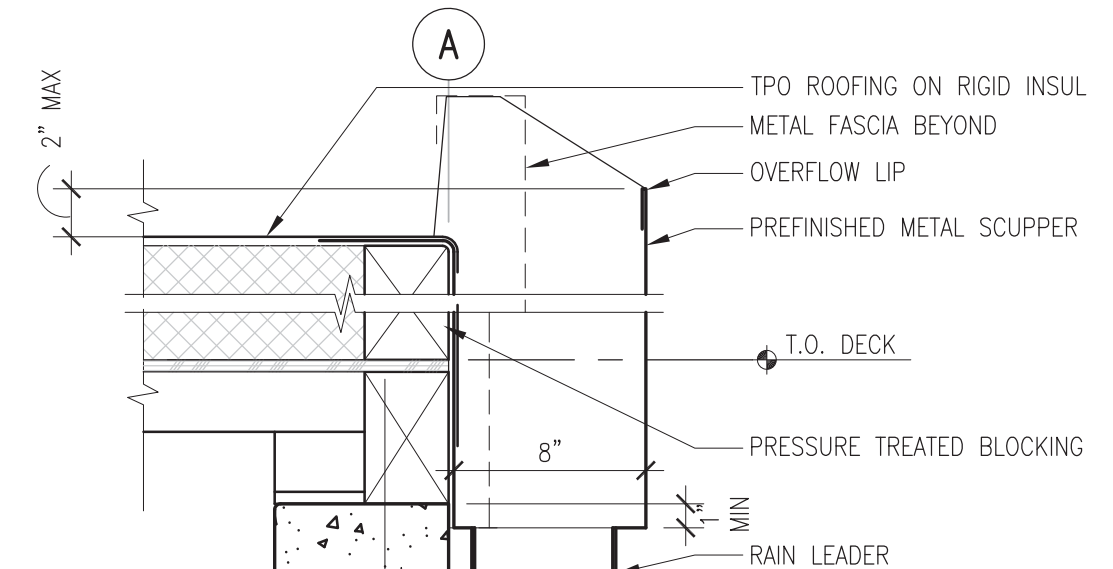
16 RECESSED AL STOREFRONT HEAD
SCALE: 3" = 1'-0"



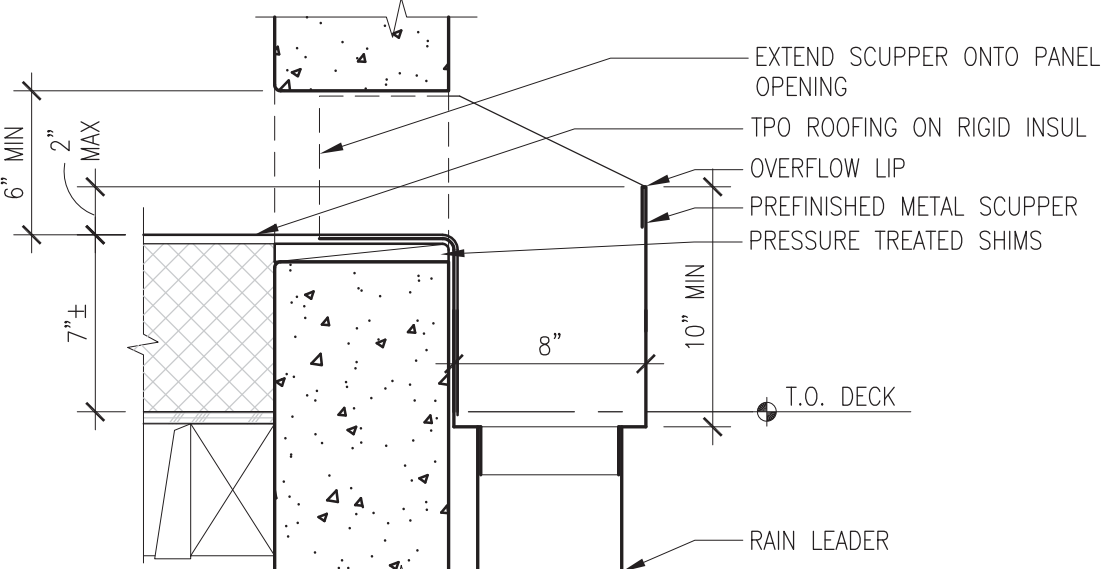
21 RECESSED AL STOREFRONT JAMB
SCALE: 1-1/2" = 1'-0"



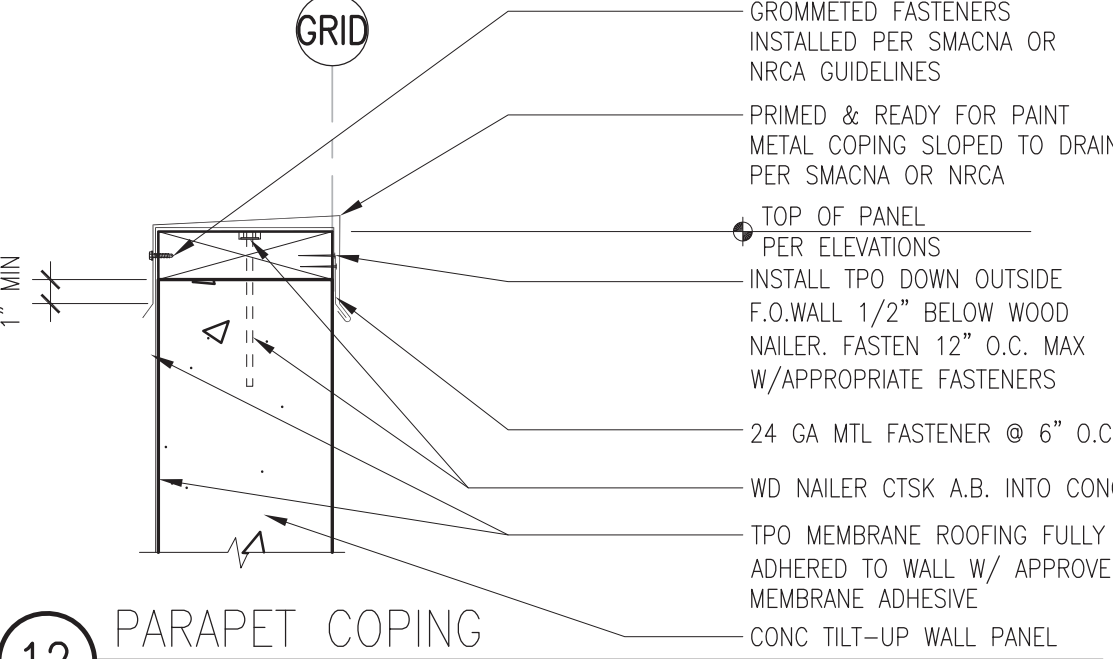
26 TYPICAL AL ENTRANCE SILL
SCALE: 3" = 1'-0"



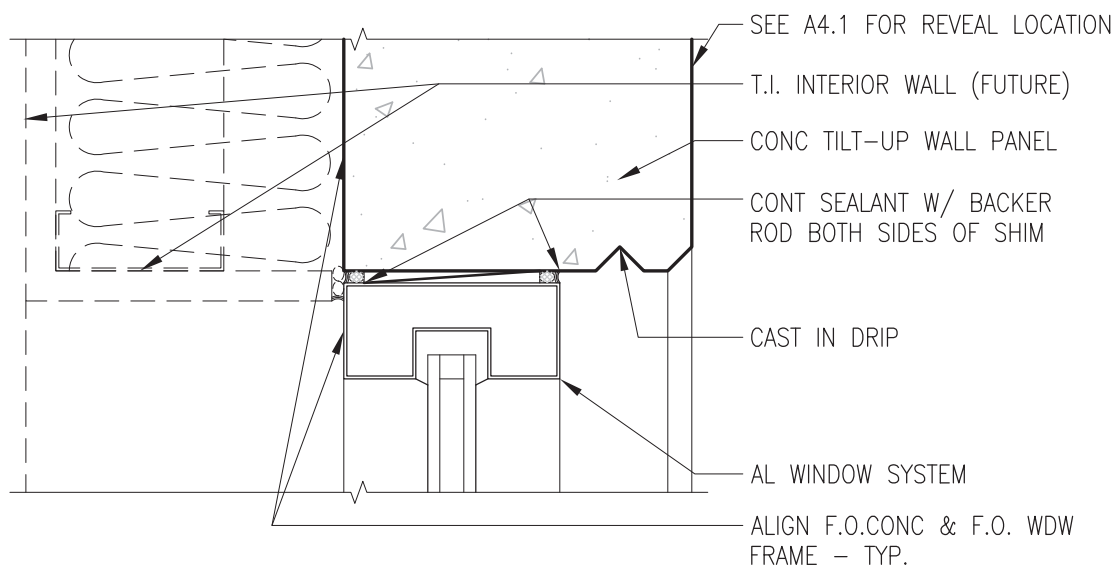
2 ROOF SCUPPER @ METAL FASCIA
SCALE: 1-1/2" = 1'-0"



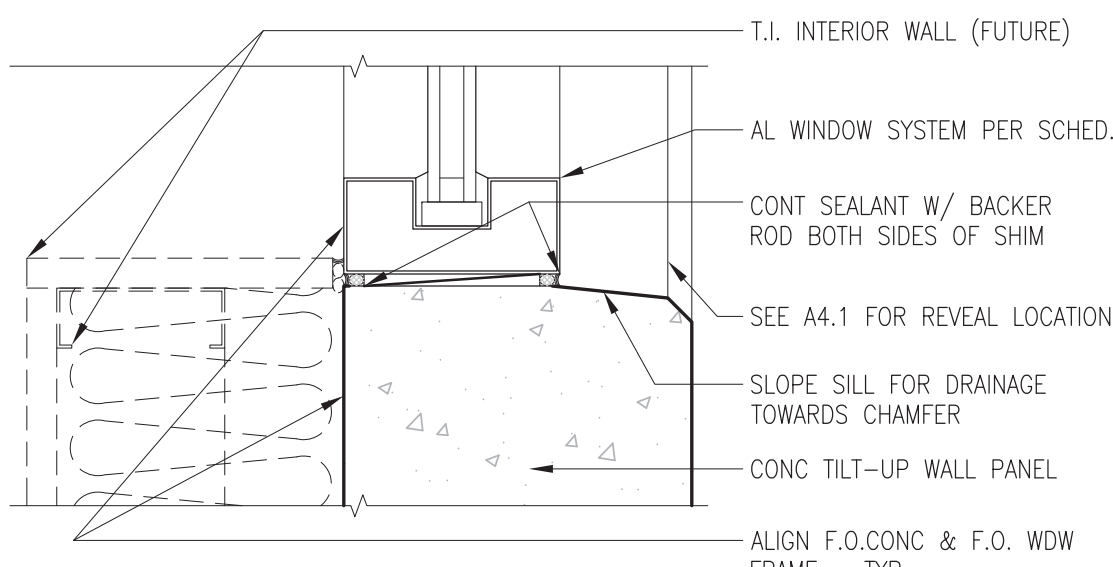
7 ROOF SCUPPER - THROUGH-WALL
SCALE: 1-1/2" = 1'-0"



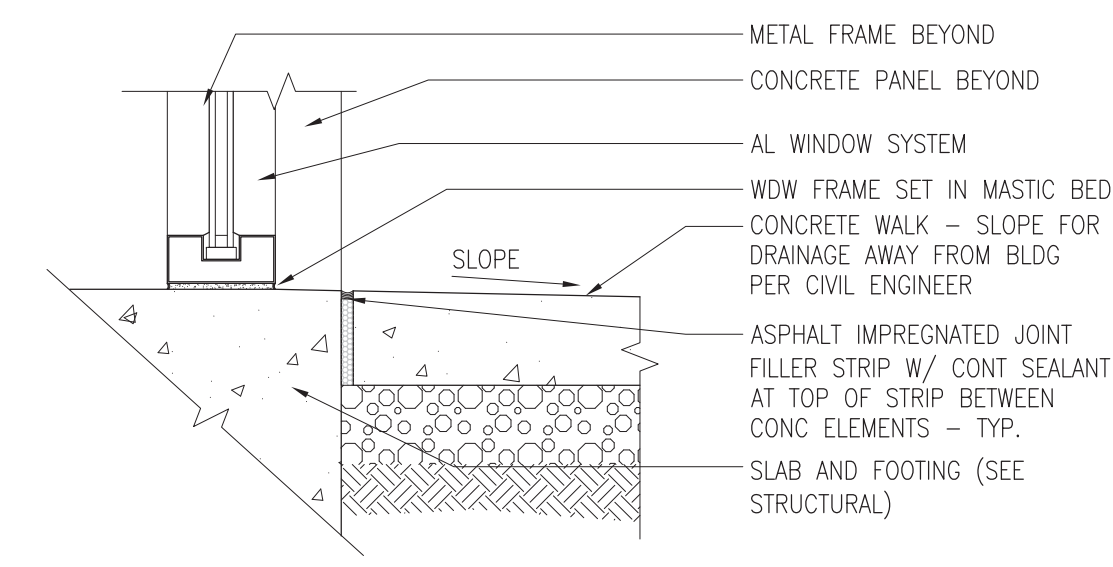
12 PARAPET COPING
SCALE: 1-1/2" = 1'-0"



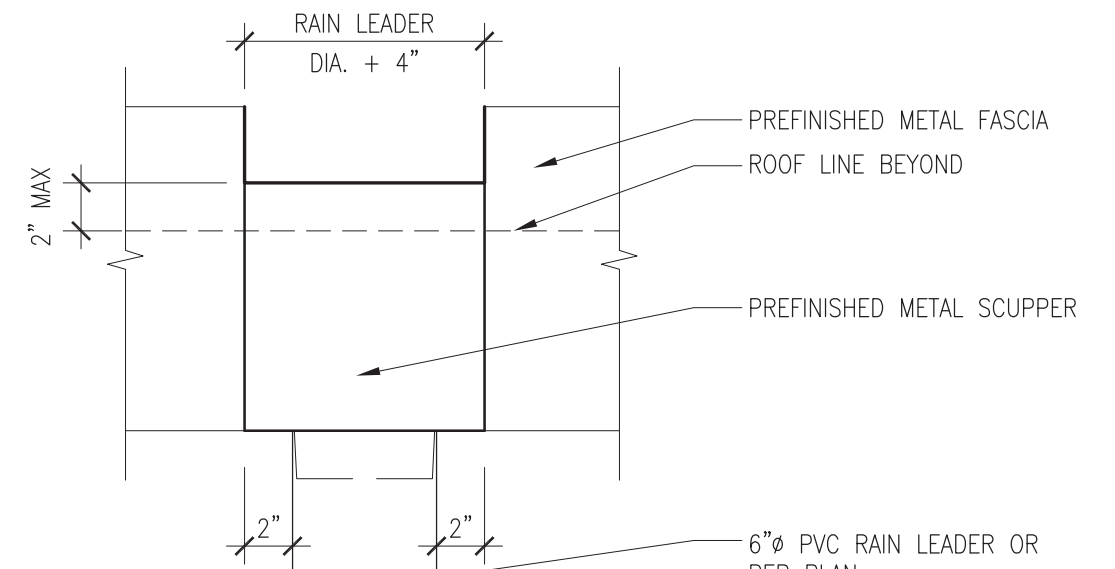
17 TYPICAL WINDOW HEAD (JAMB SIMILAR)
SCALE: 3" = 1'-0"



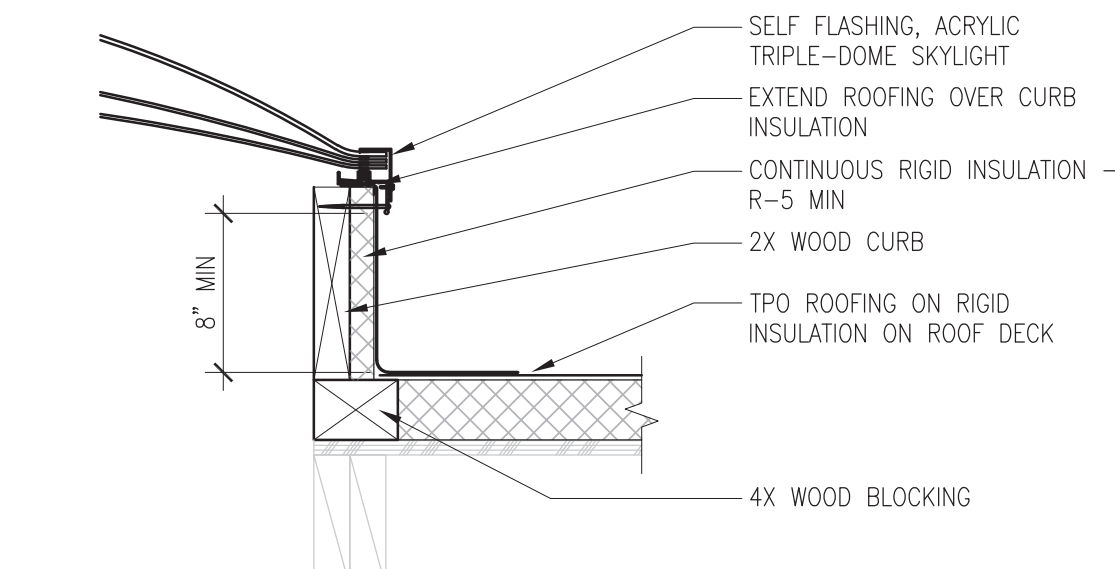
22 TYPICAL WINDOW SILL
SCALE: 3" = 1'-0"



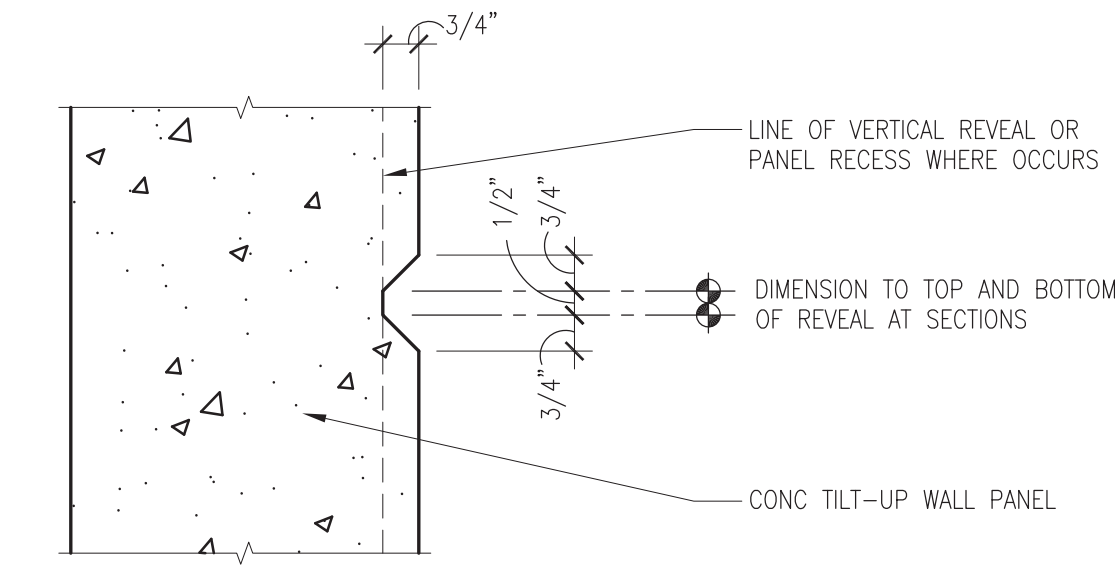
27 WINDOW SILL AT GRADE
SCALE: 1-1/2" = 1'-0"



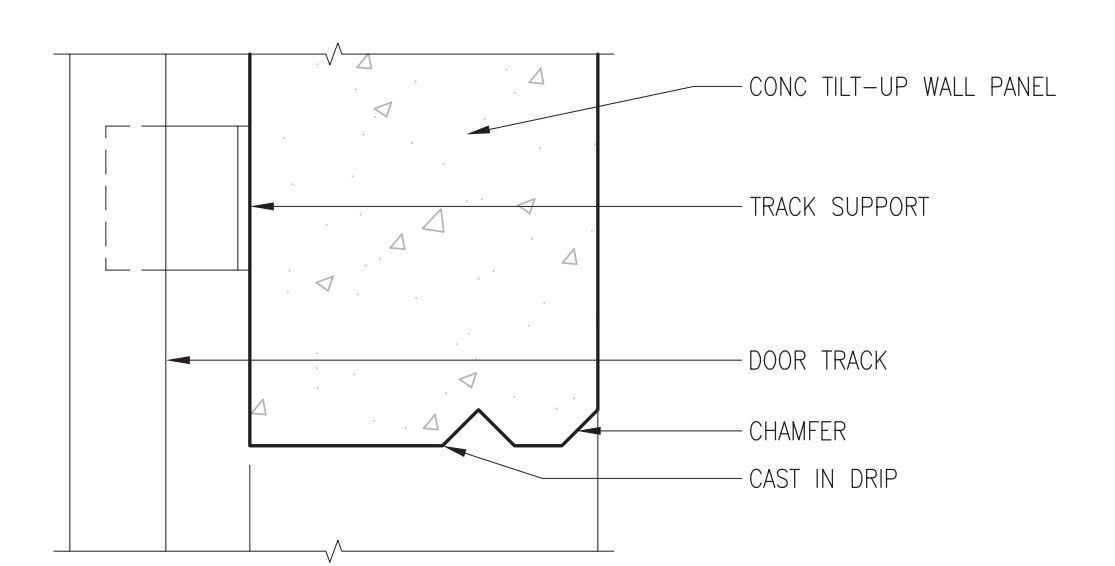
3 ROOF SCUPPER ELEVATION
SCALE: 1-1/2" = 1'-0"



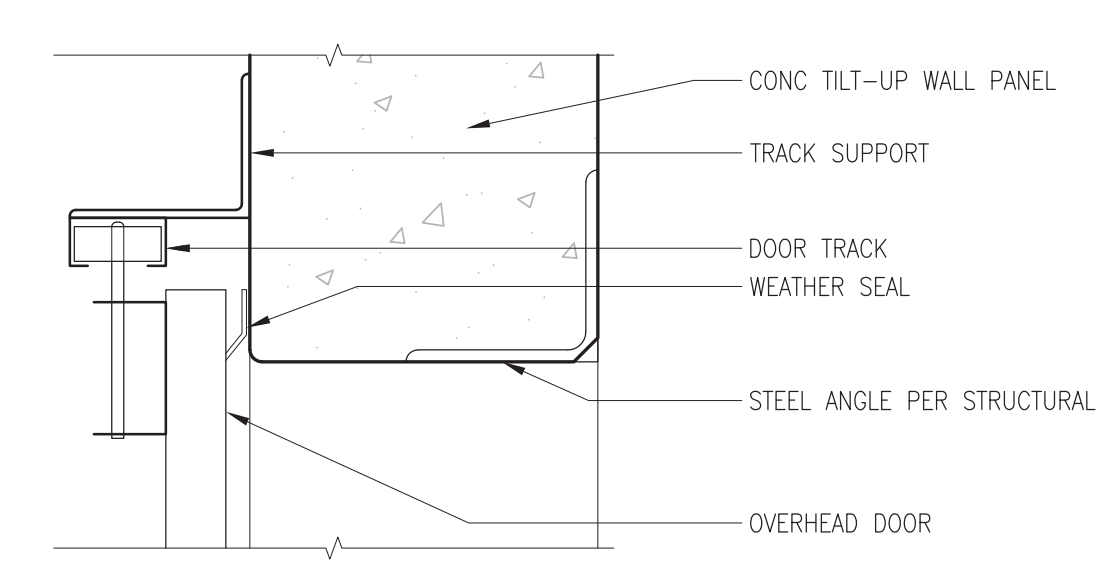
8 TYPICAL SKYLIGHT CURB
SCALE: 1-1/2" = 1'-0"



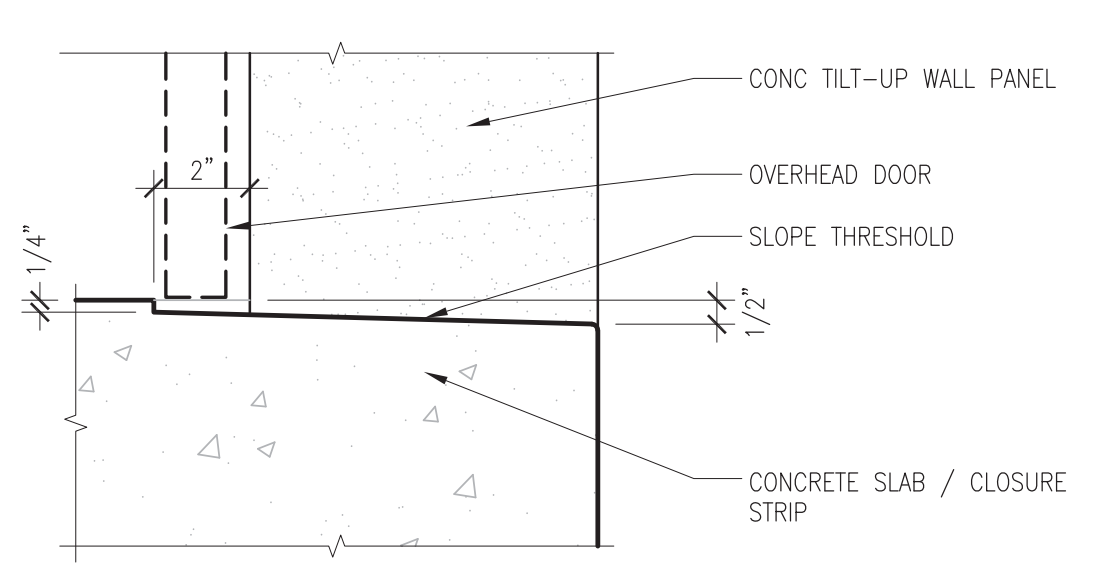
13 TYPICAL HORIZONTAL REVEAL
SCALE: 3" = 1'-0"



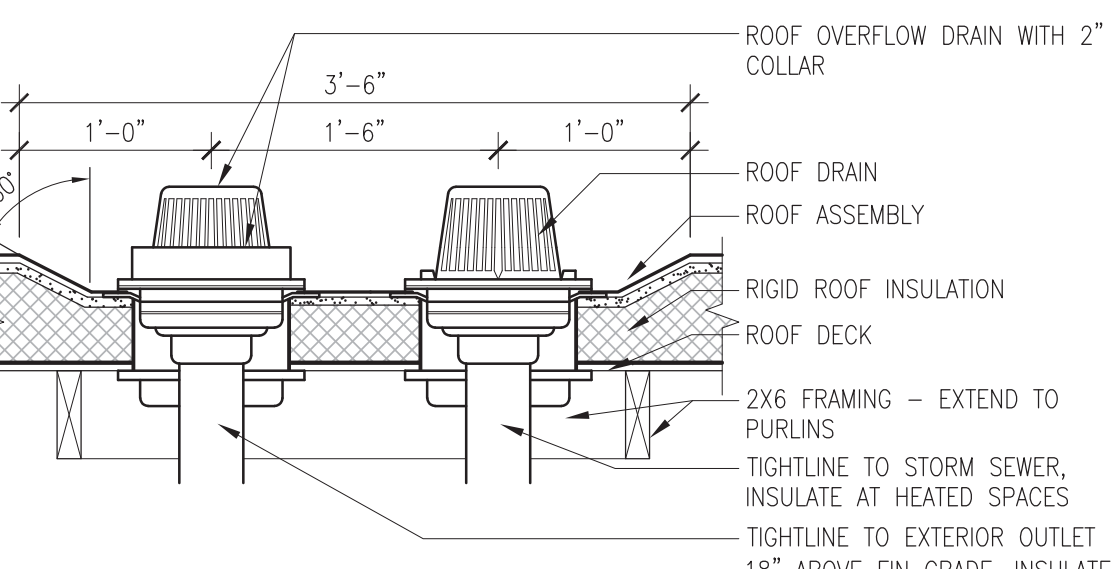
18 OVERHEAD DOOR HEAD
SCALE: 3" = 1'-0"



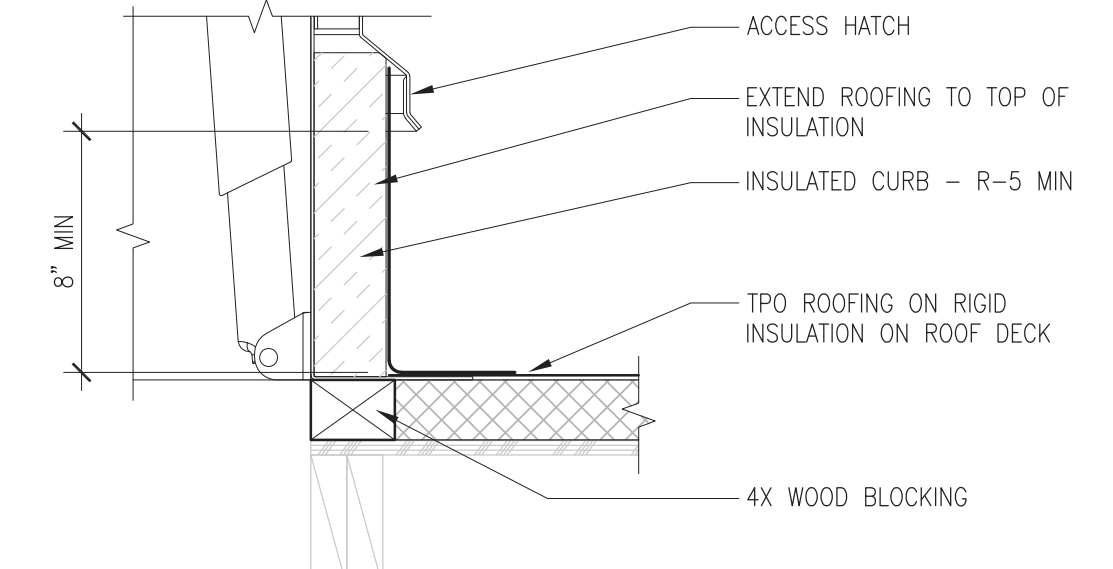
23 OVERHEAD DOOR JAMB
SCALE: 3" = 1'-0"



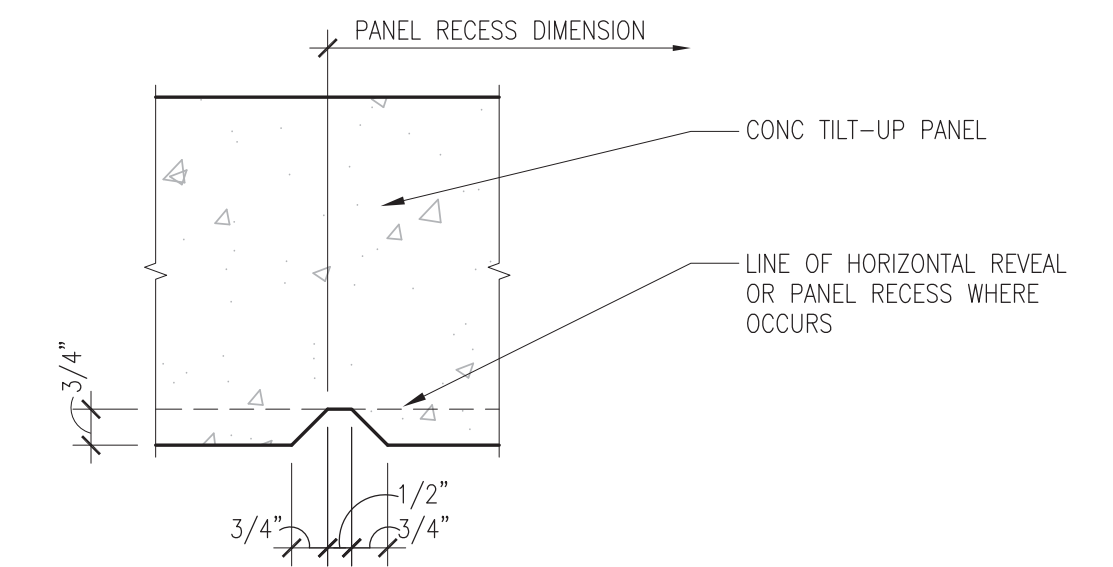
28 OVERHEAD DOOR SILL
SCALE: 3" = 1'-0"



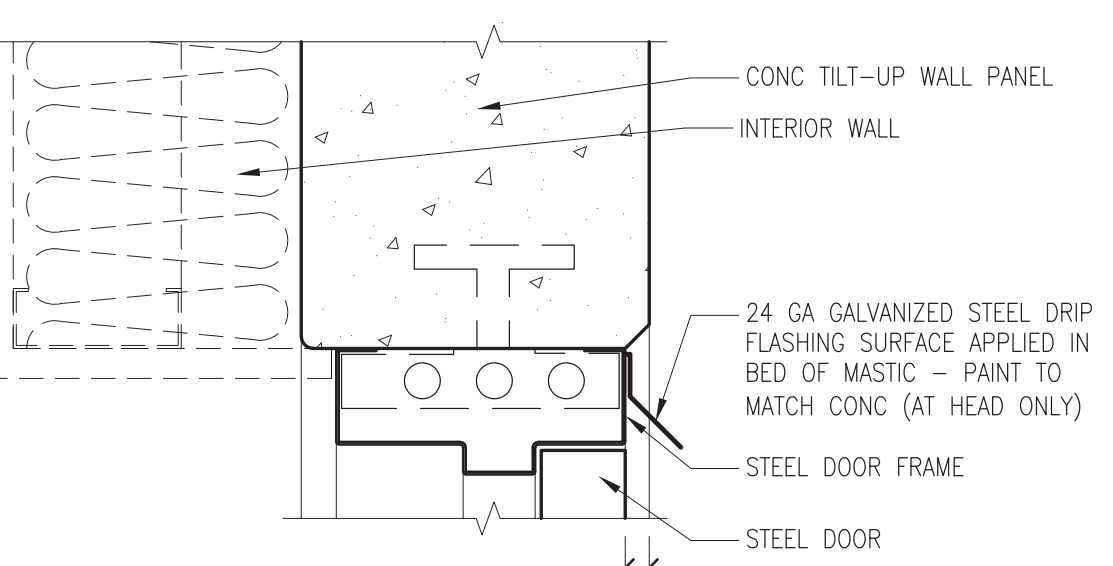
4 ROOF DRAIN W/ OVERFLOW
SCALE: 1" = 1'-0"



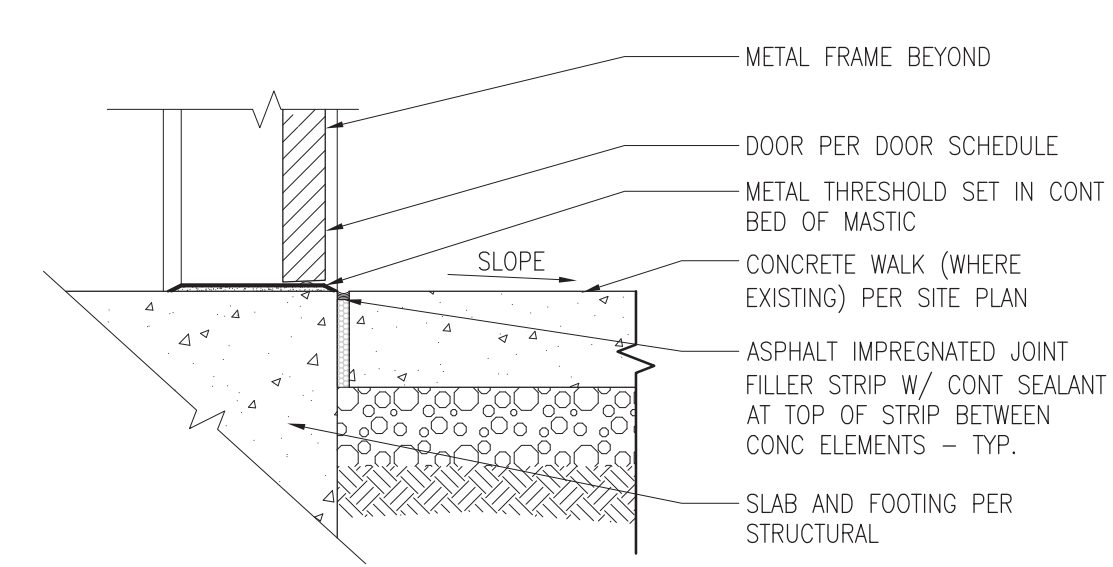
9 ROOF ACCESS HATCH
SCALE: 1-1/2" = 1'-0"



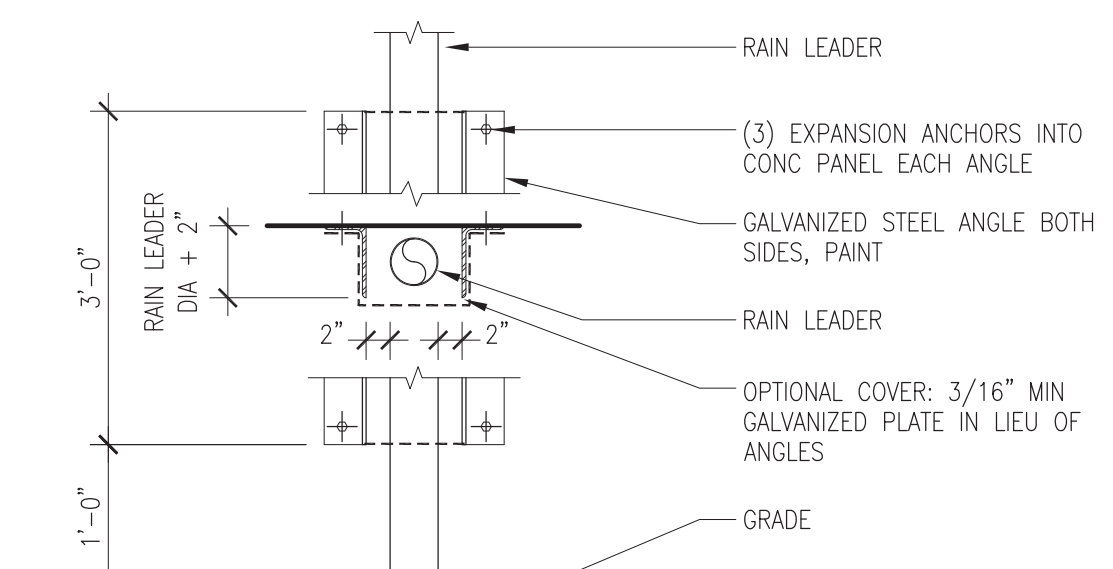
14 TYPICAL VERTICAL REVEAL
SCALE: 3" = 1'-0"



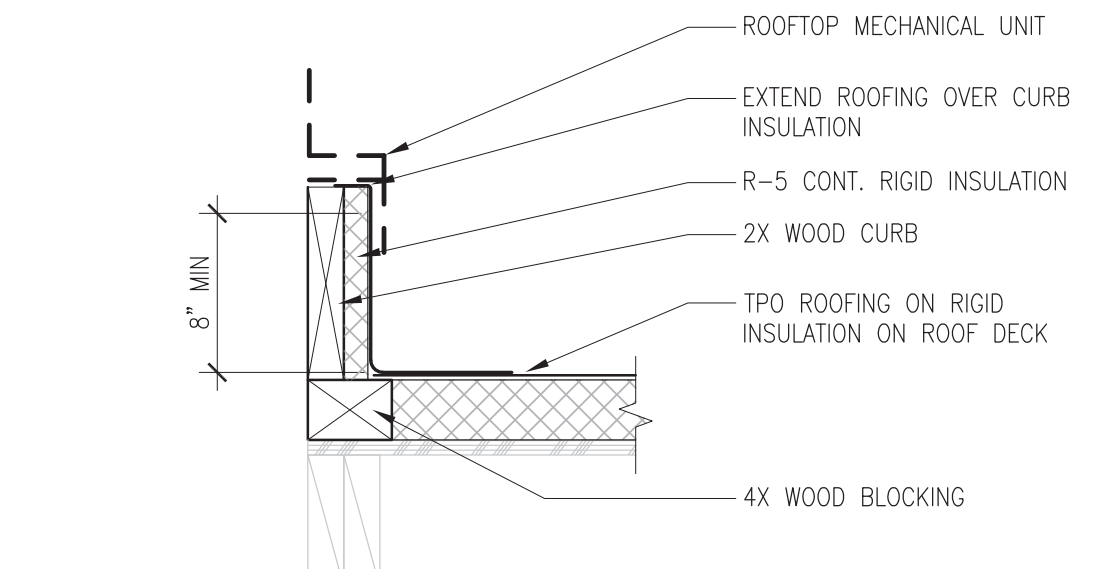
19 STEEL DOOR HEAD AND JAMB
SCALE: 3" = 1'-0"



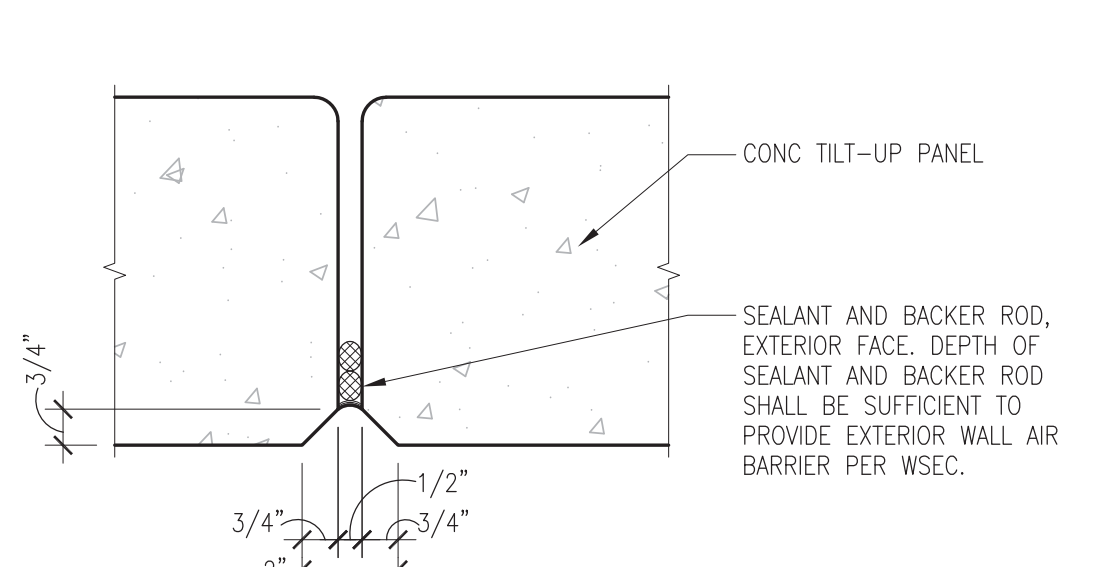
24 EXTERIOR DOOR THRESHOLD
SCALE: 1-1/2" = 1'-0"



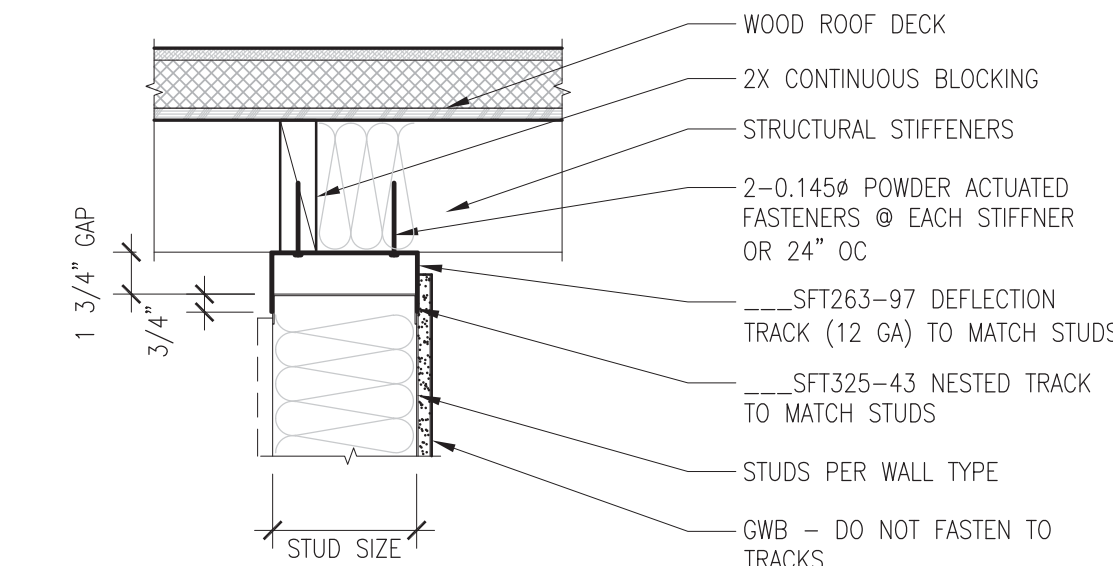
5 RAIN LEADER PROTECTOR
SCALE: 3/4" = 1'-0"



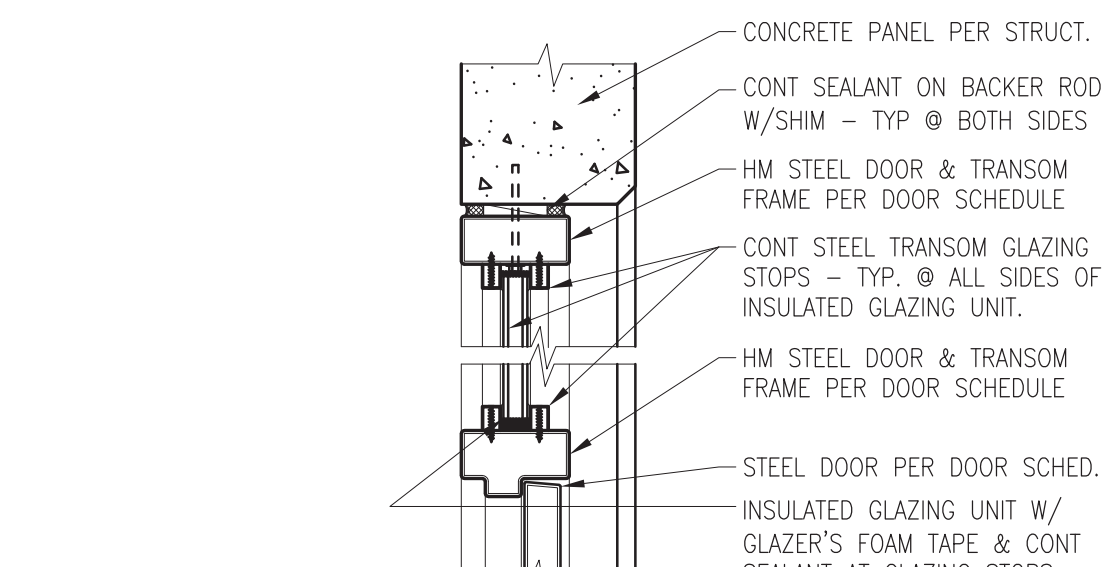
10 ROOFTOP MECH UNIT CURB
SCALE: 1-1/2" = 1'-0"



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



20 METAL STUD WALL AT ROOF
SCALE: 1-1/2" = 1'-0"



25 HM STEEL DOOR & TRANSOM FRAME
SCALE: 1-1/2" = 1'-0"

REVISIONS

ISSUE NO.	DATE	ITEM
1	10 11 2019	PERMIT SET

PROFESSIONAL STAMP

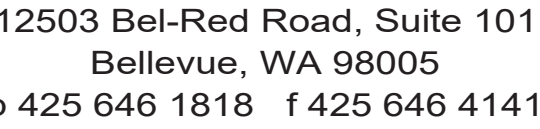
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signed by
Randy Brown
Date:
2019.10.10
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PROJECT INFORMATION

NELSON 43
4301 78TH STREET SW
MUKILTEO, WA

SHEET INFORMATION

RELEASE FOR: BUILDING PERMIT
TITLE: EXTERIOR DETAILS
DESIGNED BY: DRAWN BY:
REVIEWED BY: APPROVED BY:
DATE: 08 07 19
PROJECT NO: 201613.03.003
SHEET NO:



REVISIONS

PROFESSIONAL STAMP

NELSON 43

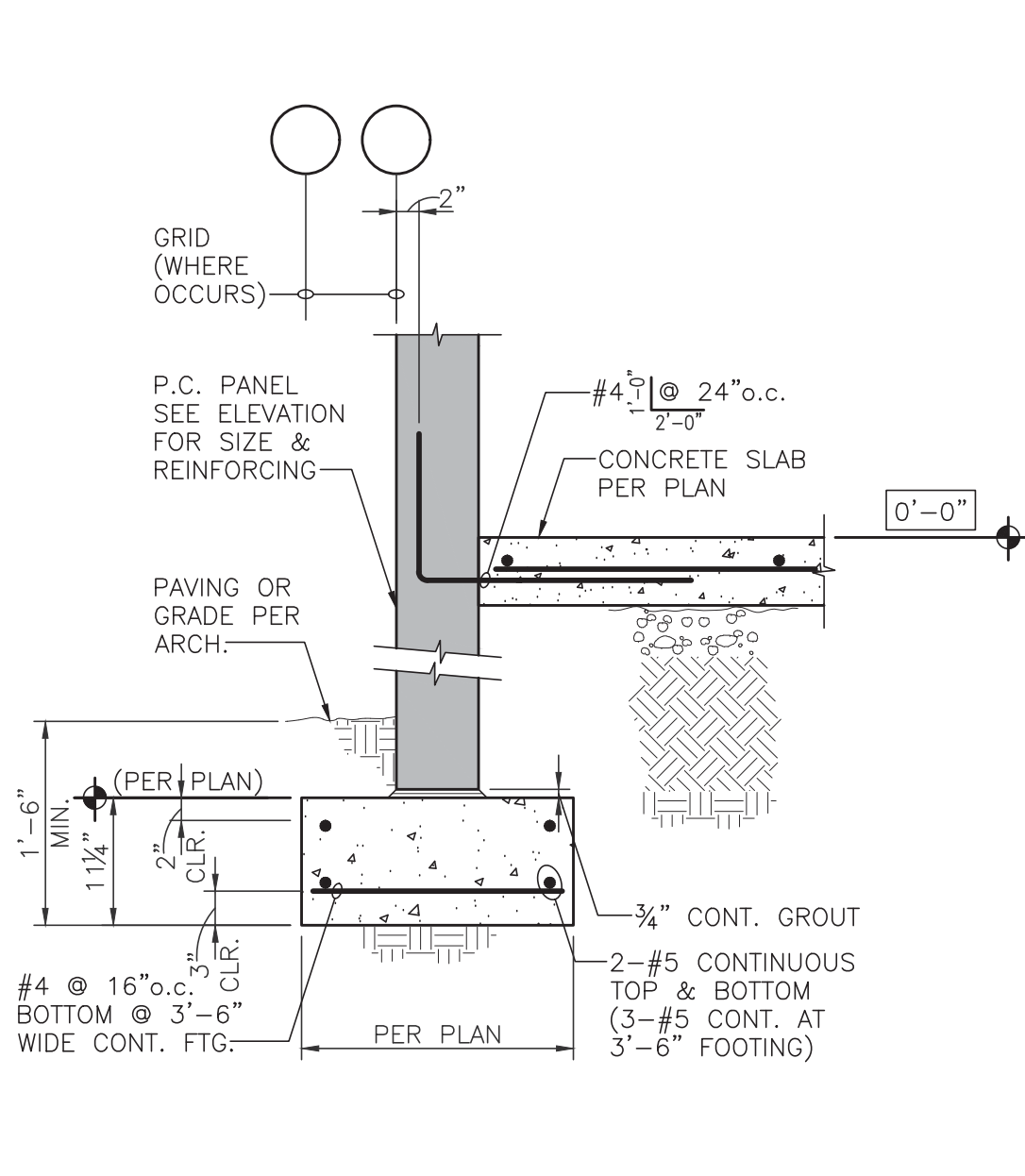
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S1.01

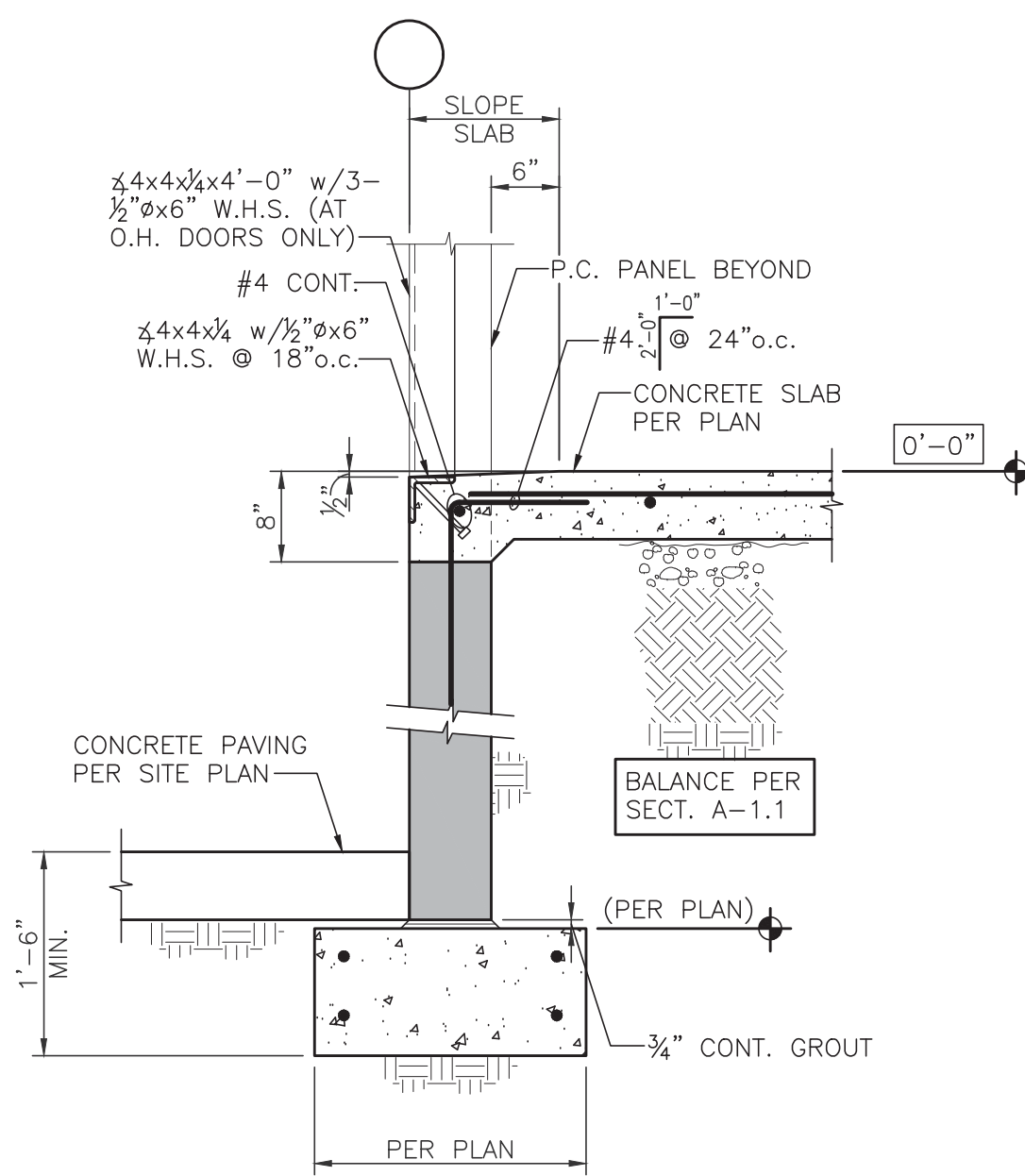
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APPROX.	APPROXIMATELY	LLV	LONG LEG VERTICAL
ARCH.	ARCHITECTURAL	LSH	LONG SLOTTED HOLE
BM	BEAM	LVL	LIMBERSTRAND
BLDG	BUILDING	LVL	MICROLAM
BULK	BULKHEAD	M.B.	MACHINE BOLT
BRC	BRACING	M.B.S.	METAL BUILDING SUPPLIER
BRG	BEARING	MAX.	MAXIMUM
BTWN	BETWEEN	MECH.	MECHANICAL
BOT.	BOTTOM	MEZZ.	MEZZANINE
CAM	CAMBER	MFR	MANUFACTURER
C.A.	CENTER-TO-CENTER	MTL	METAL
C.I.P.	CAST-IN-PLACE	MIN.	MINIMUM
C.J.	CONSTRUCTION JOINT	MISC.	MISCELLANEOUS
C.	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	OV	OVERSIZED HOLE
	CRACK SIZE	POW	POWDER
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	P	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	PARALLEL
(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	SH.	SHEET
F.D.	FOOTING DRAIN	SHING	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	SP.	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	TJ	TRUSS JOIST
GWB	GYPSSUM WALL BOARD	T.O.C.	TOP OF CONCRETE
HD	HOLDUP	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
HFT	HOLLOW FILL TUBE	W.	WITH
IBC	INTERNATIONAL BUILDING CODE	w/	WIDE FLANGE
I.D.	INSIDE DIAMETER	w/o	WITHOUT
I.F.	INSIDE FACE	WD	WOOD
IN.	INCH	W.H.S.	WELD HEAD STUD
INFO.	INFORMATION	WP	WORK POINT
INT.	INTERIOR	WT	STRUCTURAL TEE
JST	JOIST	W.W.F.	WELDED WIRE FABRIC
K	KIP (1000 lbs)		

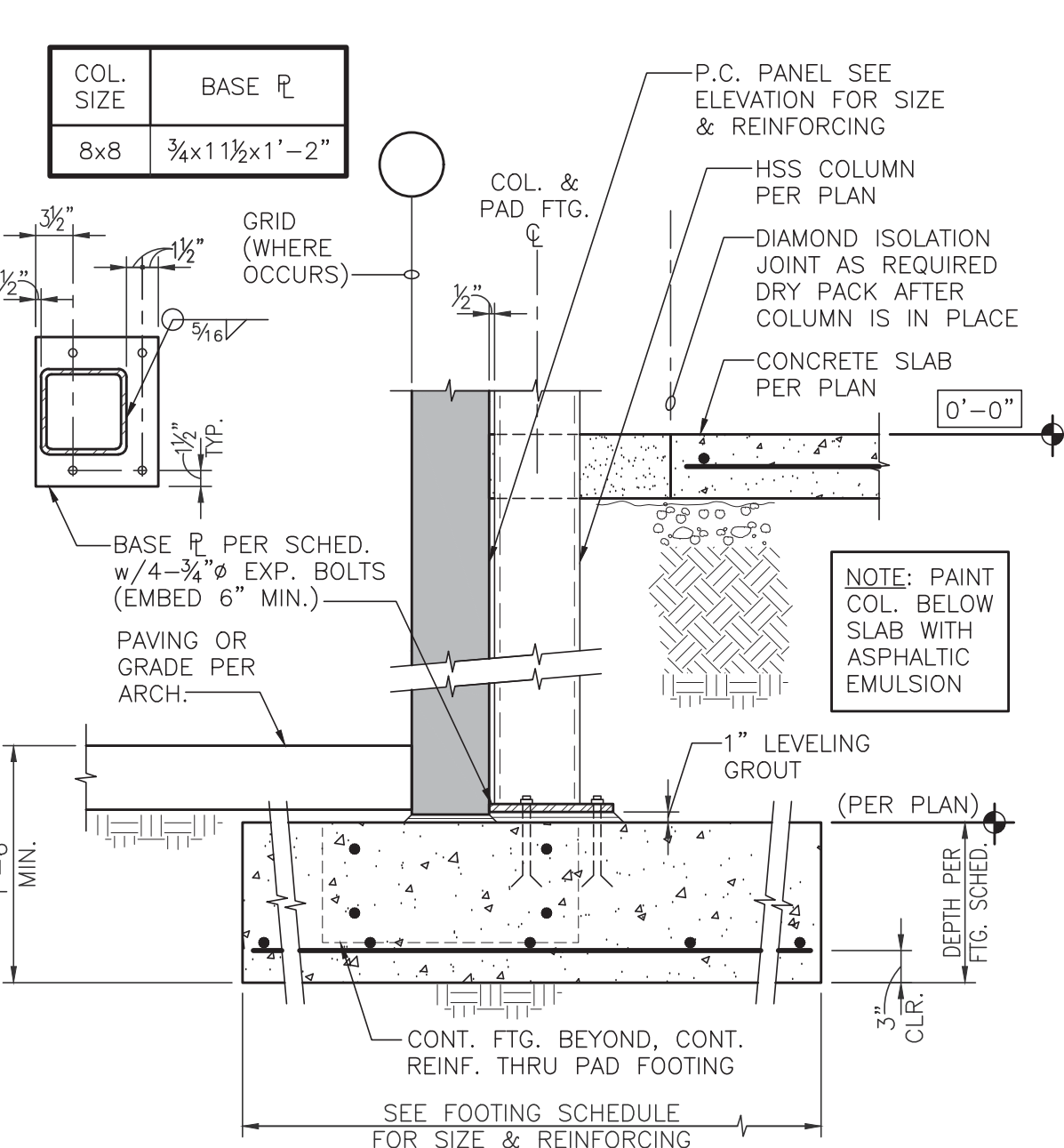
STEEL CONSTRUCTION OTHER THAN STRUCTURAL STEEL				
1. Inspection of welding:				
a. Cold-formed steel deck:				
1) Floor and roof deck welds.		---	X	AWS D1.3
b. Reinforcing steel:				
1) Verification of weldability of reinforcing steel other than ASTM A 706.		---	X	
2) Reinforcing steel resisting flexural and axial forces in intermediate and special moment frames, and boundary elements of special structural walls of concrete and shear reinforcement.		X	---	AWS D1.4 ACI 318: Section 3.5.2
3) Shear reinforcement.		X	---	
4) Other reinforcing steel		---	X	
STRUCTURAL STEEL				
Special inspections and non-destructive testing of structural steel elements in buildings, structures and portions thereof shall be in accordance with the quality assurance inspection requirements of AISC 360.				
REQUIRED SPECIAL INSPECTIONS OF OPEN-WEB STEEL JOIST AND JOIST GIRDERS				
TYPE	CONTINUOUS INSPECTIONS	PERIODIC INSPECTIONS	REFERENCED STANDARD	
1. Installation of open web steel joist and joist girders				
a. End connections - welded or bolted.	---	X	SJI specifications listed in Section 2207.1.	
b. Bridging - horizontal or diagonal	---			
1. Standard bridging.	---	X	SJI specifications listed in Section 2207.1.	
2. Bridging that differs from the SJI specifications listed in Section 2207.1.	---	X		
REQUIRED SPECIAL INSPECTIONS AND TEST OF CONCRETE CONSTRUCTION				
TYPE	CONTINUOUS INSPECTIONS	PERIODIC INSPECTIONS	REFERENCED STANDARD	IBC REFERENCE
1. Inspection of reinforcing steel, including prestressing tendons, and placement.	---	X	ACI 318: 3.5, 7.1-7.7	1908.4
2. Reinforcing bar welding:				
a. Verify weldability of reinforcing bars other than ASTM A 706		X	AWS D1.4	---
b. Inspect single-pass fillet welds, maximum 5/16", and		X	ACI 318: 26.6.4	
c. Inspect all other welds.	X			
3. Inspection of anchors cast in concrete.	---	X	ACI 318: 17.8.2	---
4. Inspect anchors post-installed in hardened concrete members.				
a. Adhesive anchors installed in horizontally or upwardly inclined orientations to resist sustained tension loads	X		ACI 318: 17.8.2.4	---
b. Mechanical anchors and adhesive anchors not defined in 4.a.		X		
5. Verifying use of required design mix	---	X	ACI 318: Ch. 19, 26.4.3, 26.4.4	1904.1, 1904.2, 1908.2, 1908.3
6. Prior to concrete placement, fabricate specimens for strength test performs slump and air content test, and determine the temperature of the concrete.	X	---	ASTM C172, ASTM C31, ACI 318: 26.4, 26.12	1908.10
7. Inspection of concrete and shotcrete placement for proper application techniques	X	---	ACI 318: 26.5	1908.6, 1908.7, 1908.8
8. Verify maintenance of specified curing temperature and techniques.	---	X	ACI 318: 26.5.3-26.5.5	1908.9
9. Inspect erection of precast concrete members.	---	X	ACI 318: Ch. 26.8	---
10. Verification in-situ concrete strength, prior to stressing of tendons in post-tensioned concrete and prior to removal of shores and forms from beams and structural slabs.	---	X	ACI 318: 26.11.2	---
11. Inspect formwork for shape, location and dimensions of the concrete member being formed.	---	X	ACI 318: 26.11.2(b)	---
REQUIRED SPECIAL INSPECTIONS AND TESTS OF SOILS				
TYPE	CONTINUOUS INSPECTIONS	PERIODIC INSPECTIONS		
1. Verify materials below shallow foundations are adequate to achieve the design bearing capacity.	---	X		
2. Verify excavations are extended to proper depth and have reached proper material.	---	X		
3. Perform classification and testing of compacted fill materials.	---	X		
4. Verify use of proper materials, densities and lift thicknesses during placement and compaction of compacted fill.	X	---		
5. Prior to placement of compacted fill, inspect subgrade and verify that site has been prepared properly.	---	X		
WOOD				
For Wind Exposure Category B, C, or D and Seismic Design Category C, D, E, or F: (IBC 1705.11.1, 1705.12.2)				
1. Field Gluing of elements of main windforce-resisting system or seismic force-resisting system.	X	---		
2. Nailing, bolting, anchoring and other fastening of components within the main windforce or seismicforce resisting system, including wood shear walls, diaphragms, drag struts, braces, and hold-downs.	---	X ⁽⁶⁾		
a. Special inspection is not required for wood shear walls, shear panels and diaphragms, including nailing, bolting, anchoring and other fastening to other components of the main windforce or seismicforce resisting system, where the fastener spacing of the sheathing is more than 4 in. on center.				
REQUIRED SPECIAL INSPECTIONS OF PLUMBING, MECHANICAL, AND ELECTRICAL COMPONENTS				
For Seismic Design Category C, D, E, or F: (IBC 1705.12.6)				
1. Anchorage of electrical equipment for emergency and standby power systems.	---	X		
2. Installation and anchorage of piping systems designed to carry hazardous materials and their associated mechanical units.	---	X		
3. Installation and anchorage of ductwork designed to carry hazardous materials.	---	X		
4. Installation and anchorage of vibration isolation systems where the construction documents require a nominal clearance of 1/4 inch or less between the equipment support frame and restraint.	---	X		
For Seismic Design Category E or F:				
1. Anchorage of other electrical equipment.	---	X		
REQUIRED SPECIAL INSPECTIONS OF ARCHITECTURAL COMPONENTS				
TYPE	CONTINUOUS INSPECTIONS	PERIODIC INSPECTIONS		
For Wind Exposure Category B, C, or D and Seismic Design Category D, E, or F: (IBC 1705.12.5)				
1. Erection and fastening of roof and wall cladding.	---	X		
For Seismic Design Category D, E, or F:				
1. Interior and exterior nonbearing walls.	---	X		
2. Interior and exterior veneer.	---	X		
Special Inspection/Testing Program Notes:				
1. The special inspector shall be a qualified person who shall demonstrate competence to the satisfaction of the Building Official for the type of inspections listed.				
2. If necessary, the contractor shall arrange a pre-construction meeting with the Architect, Engineer, Building Official, Testing Agency to review the special inspection program.				
3. Duties of the Special Inspector include, but are not limited to:				
a. Observe the work for conformance with the approved permit plans and specifications. Discrepancies shall be brought to the attention of the Contractor for correction, if uncorrected, then to the attention of the Architect, Engineer, and Building Official.				
b. Issue Inspection Reports for each inspection to the Contractor, Architect, Engineer, and Building Official as a minimum. The reports shall be issued in a timely manner.				
c. The Special Inspector shall submit a final report stating whether the work requiring special inspection was inspected, whether the work was completed in conformance with the approved plans and specifications, and whether the work was in conformance with any applicable workmanship provisions of the applicable code or standard.				



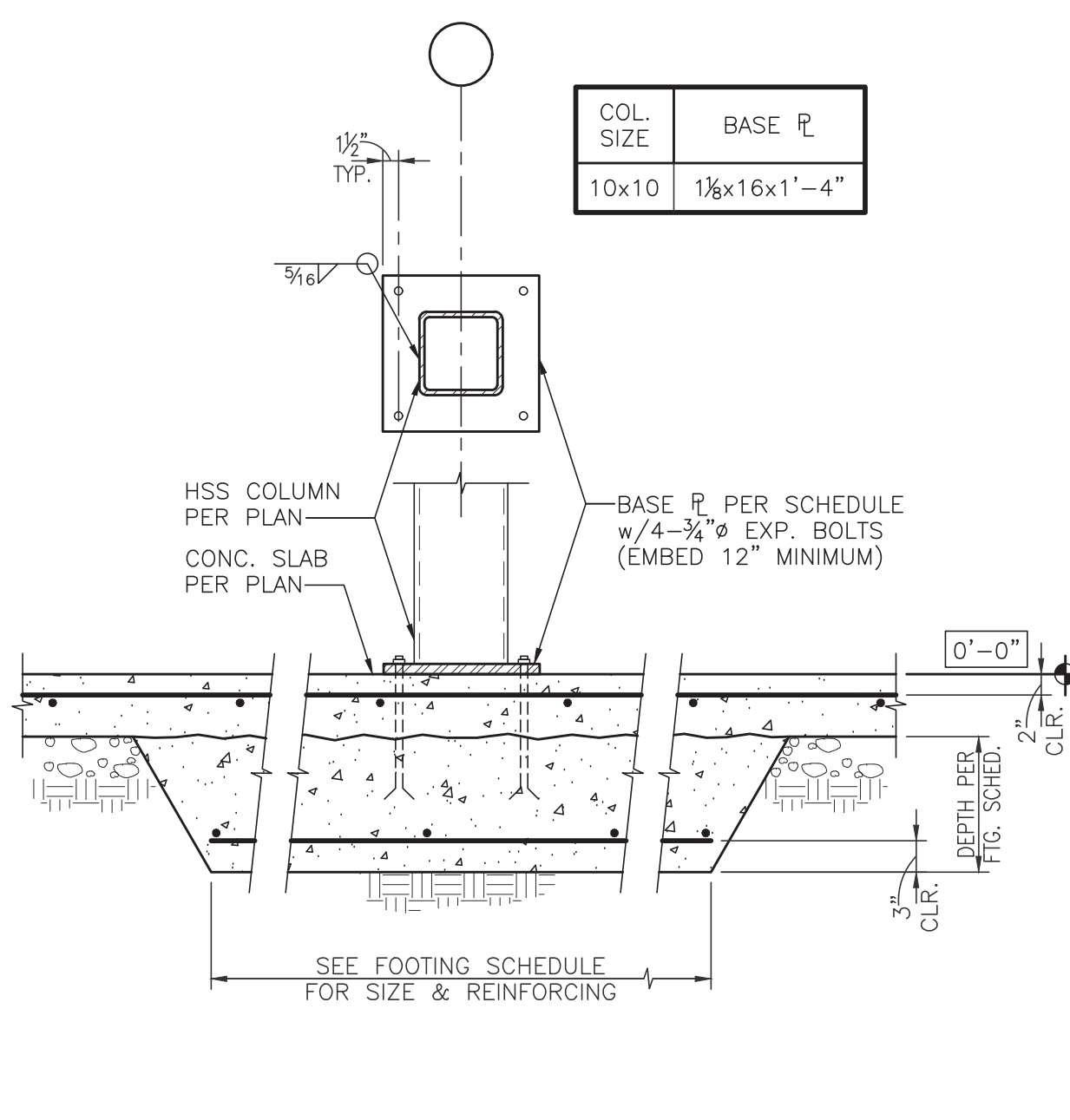
SECTION A-1.1
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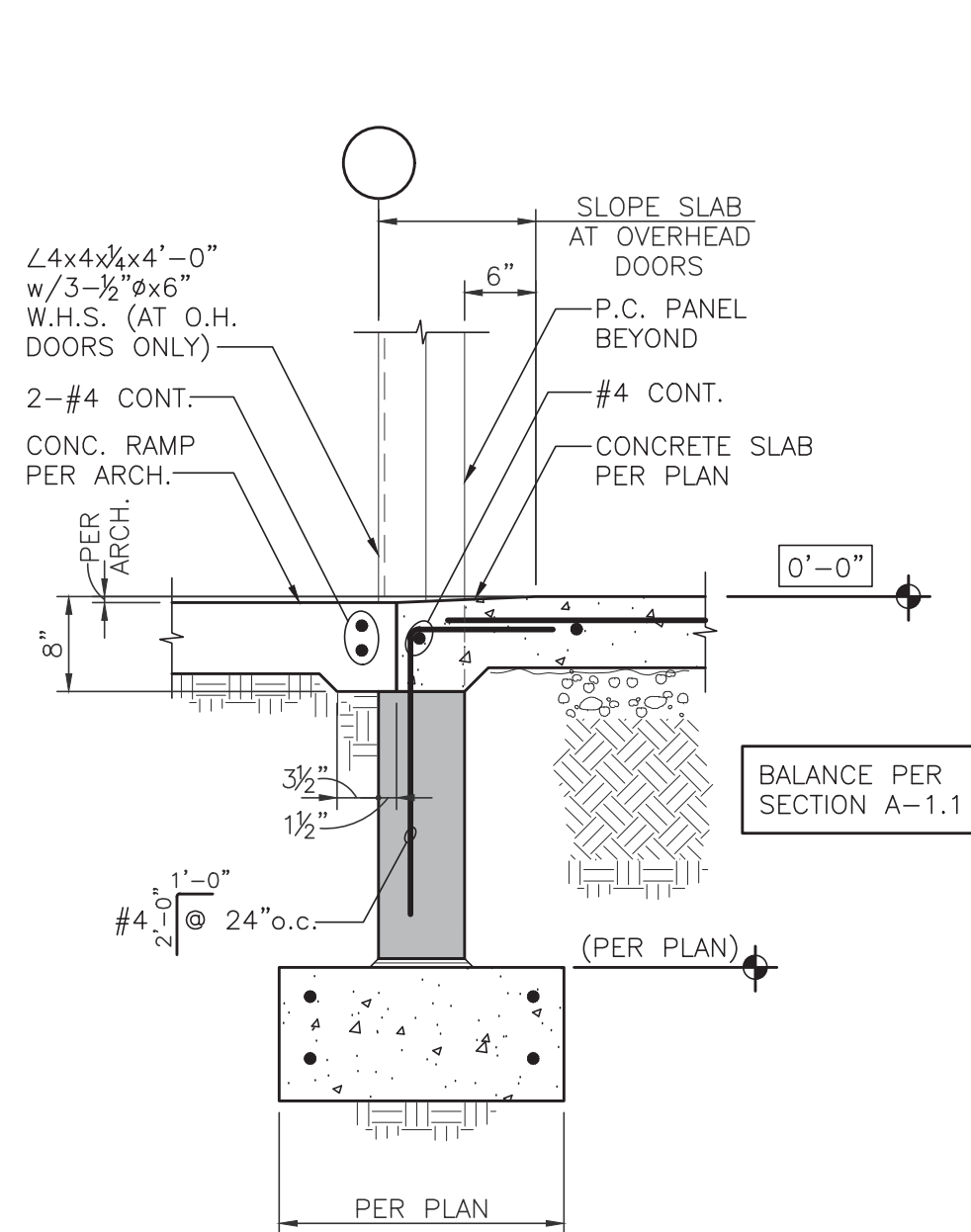
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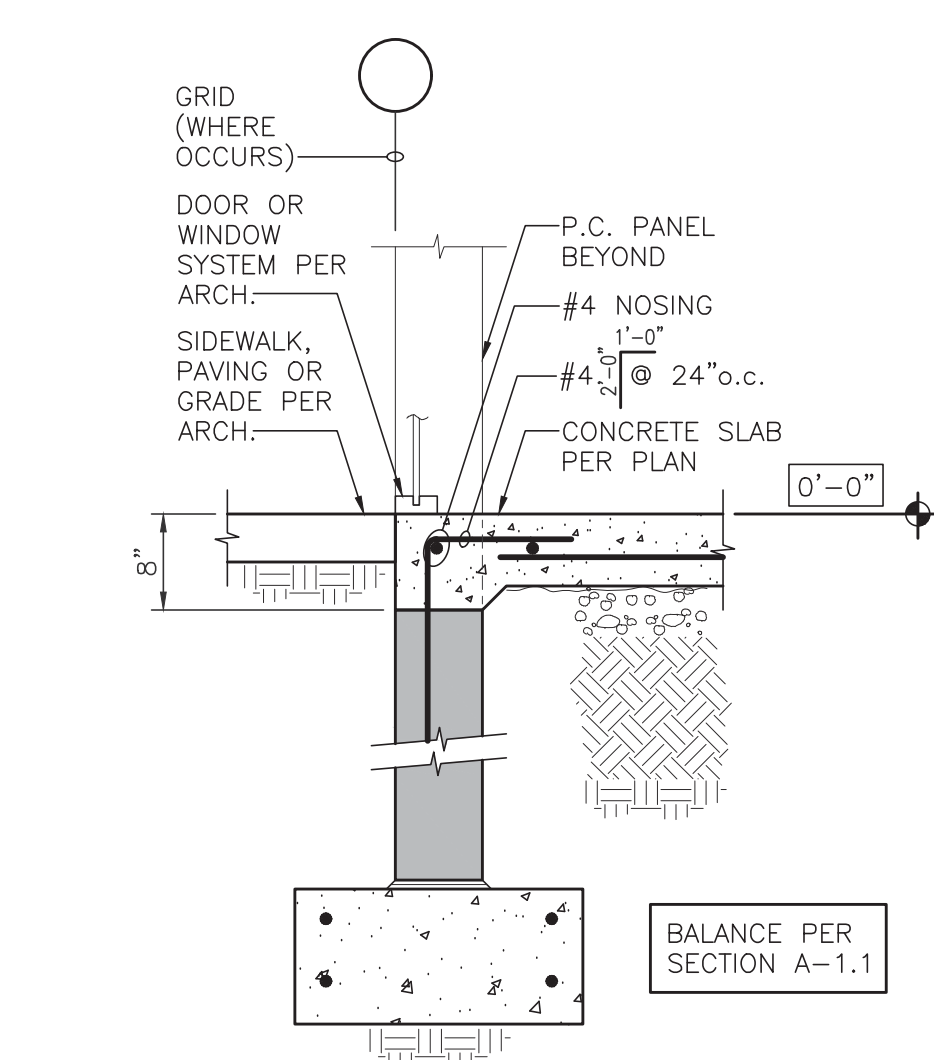
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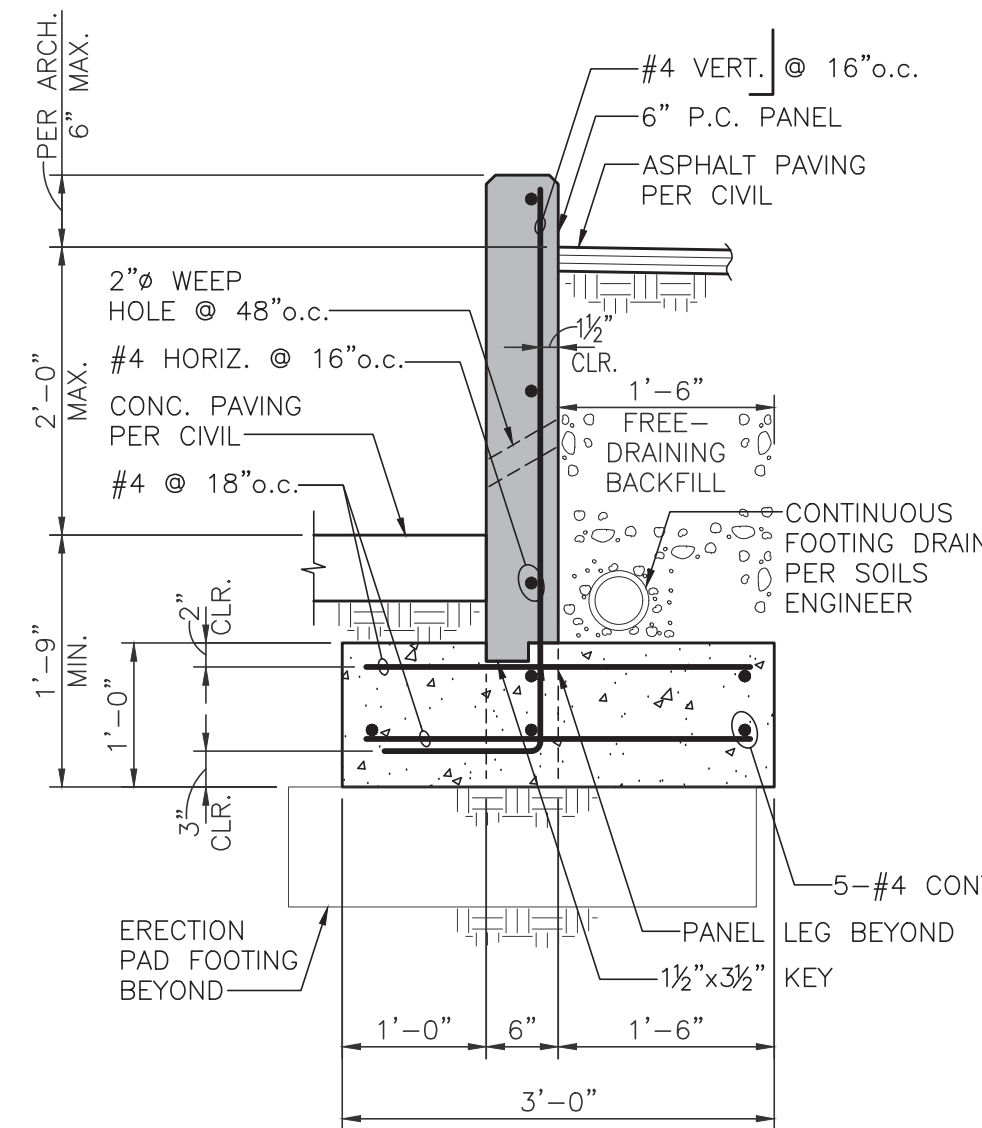
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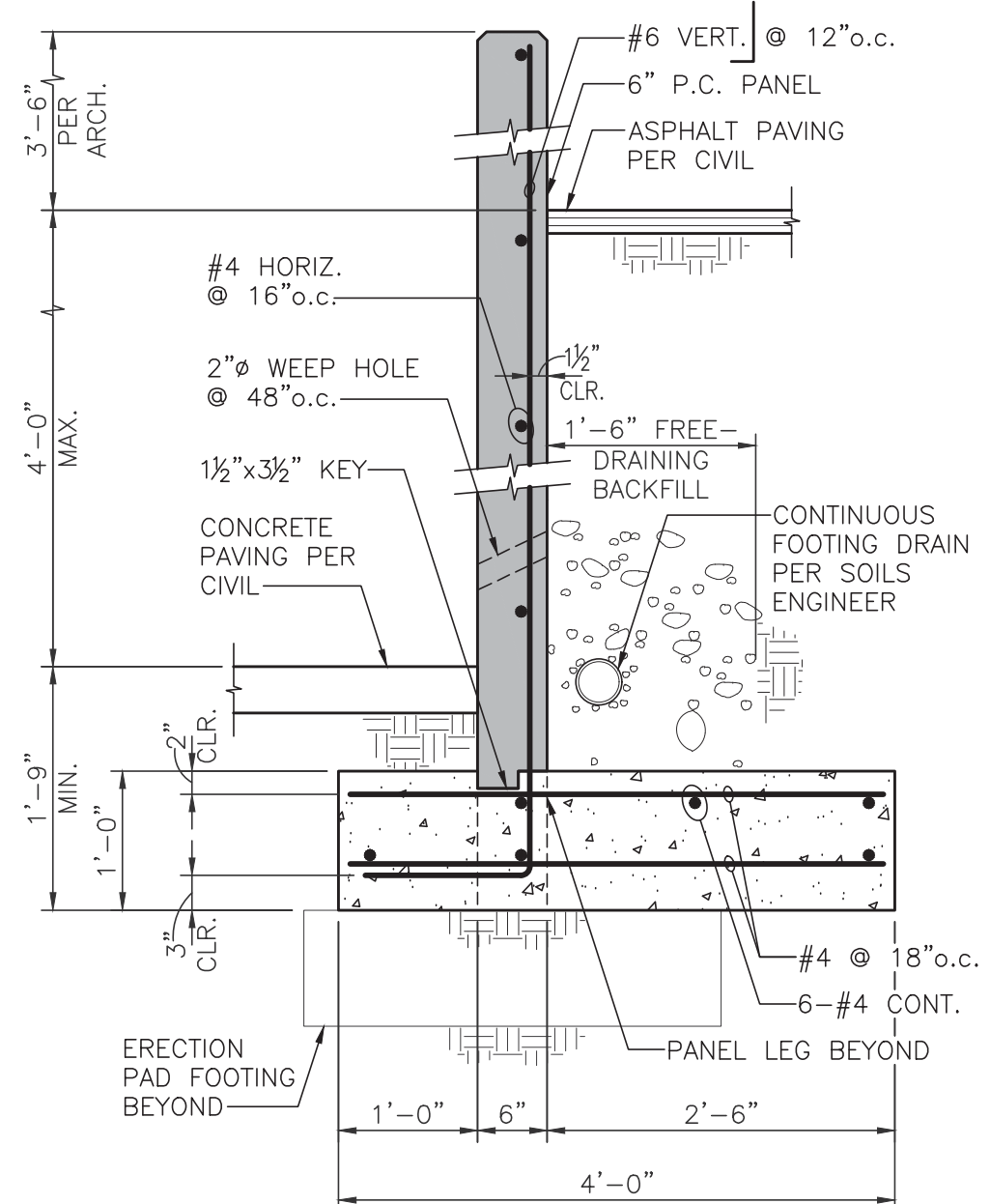
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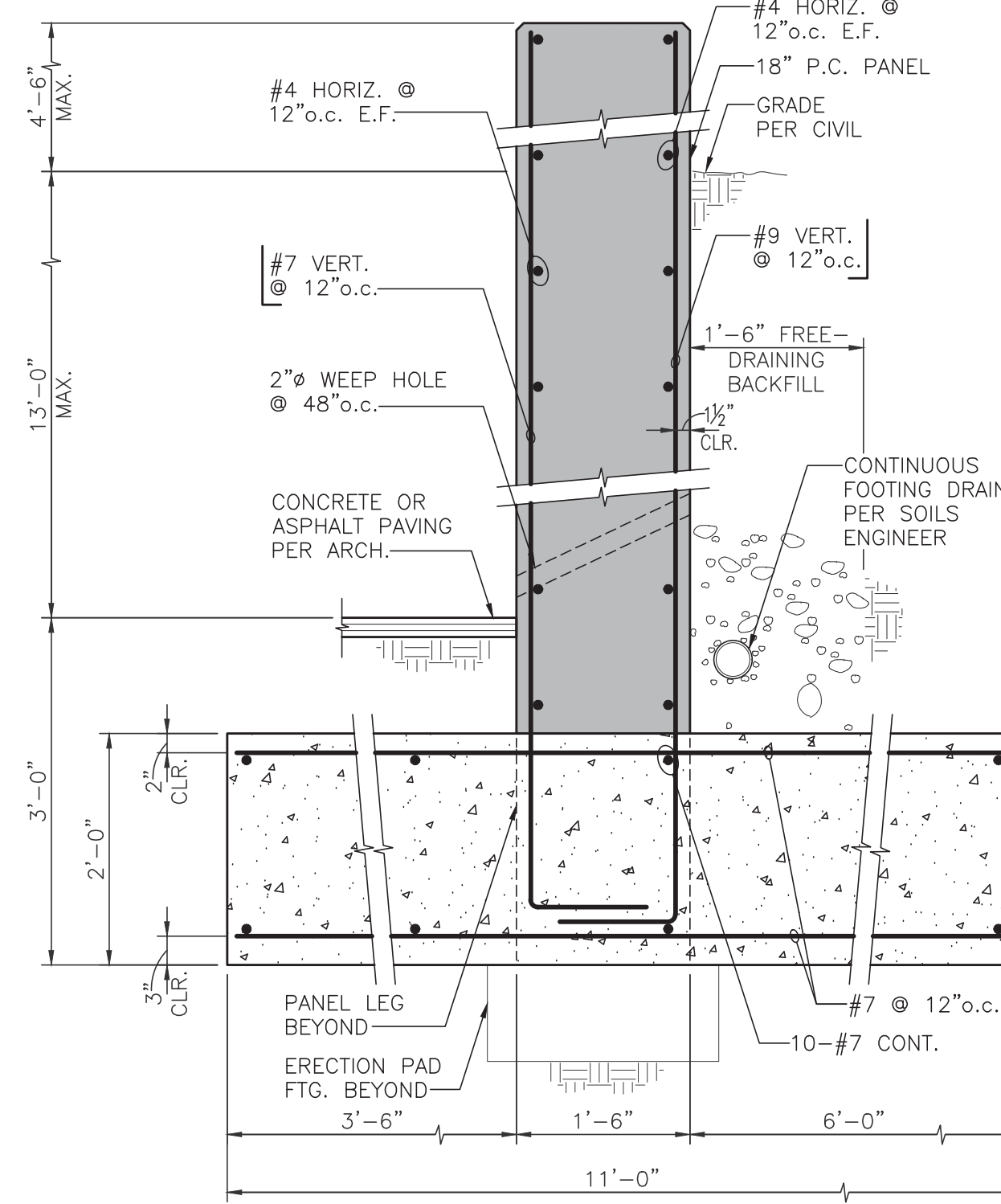
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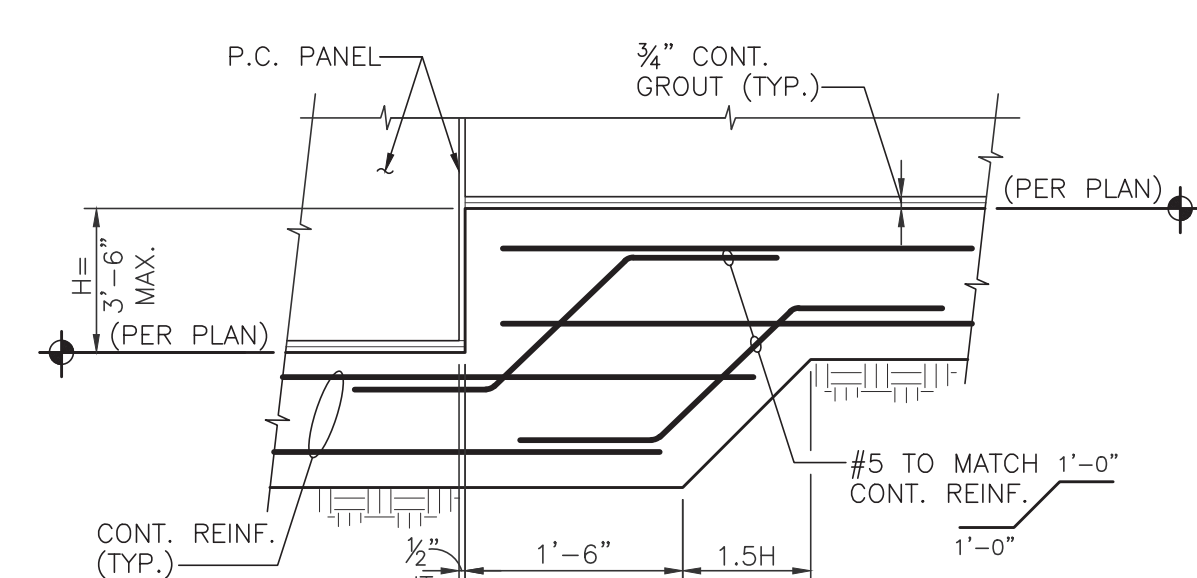
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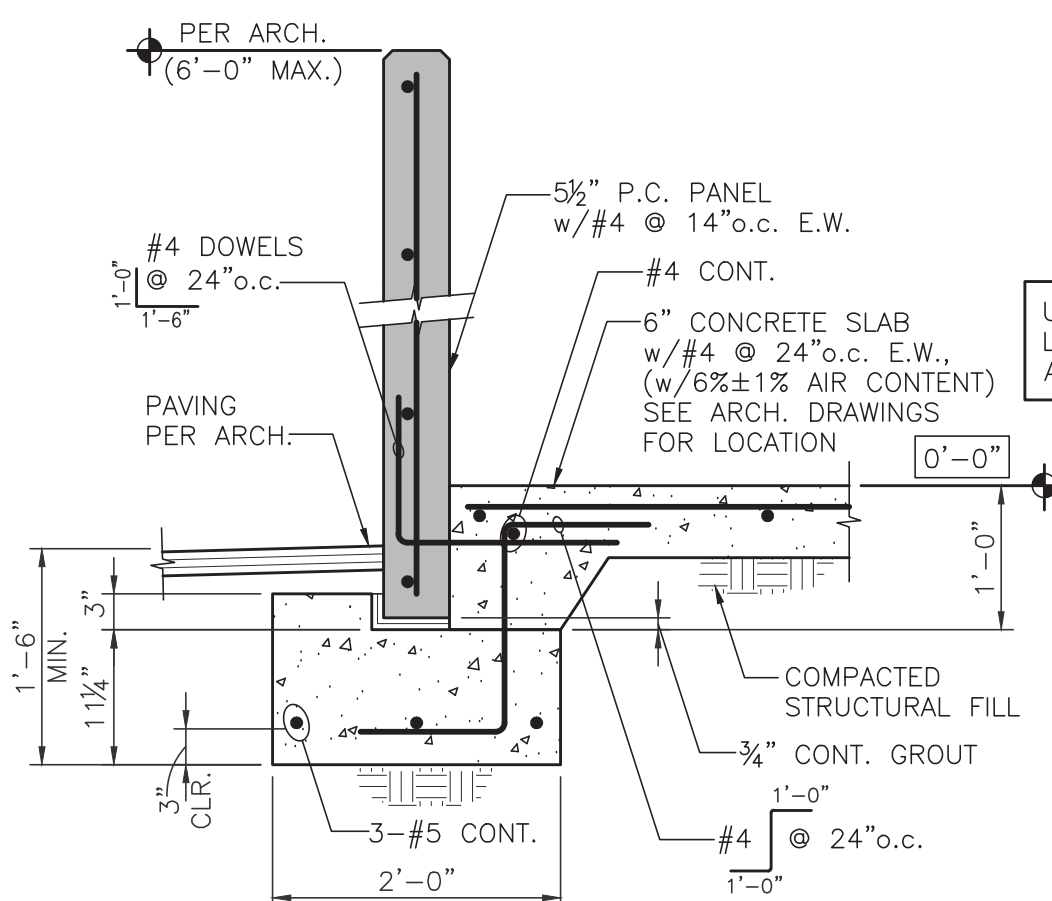
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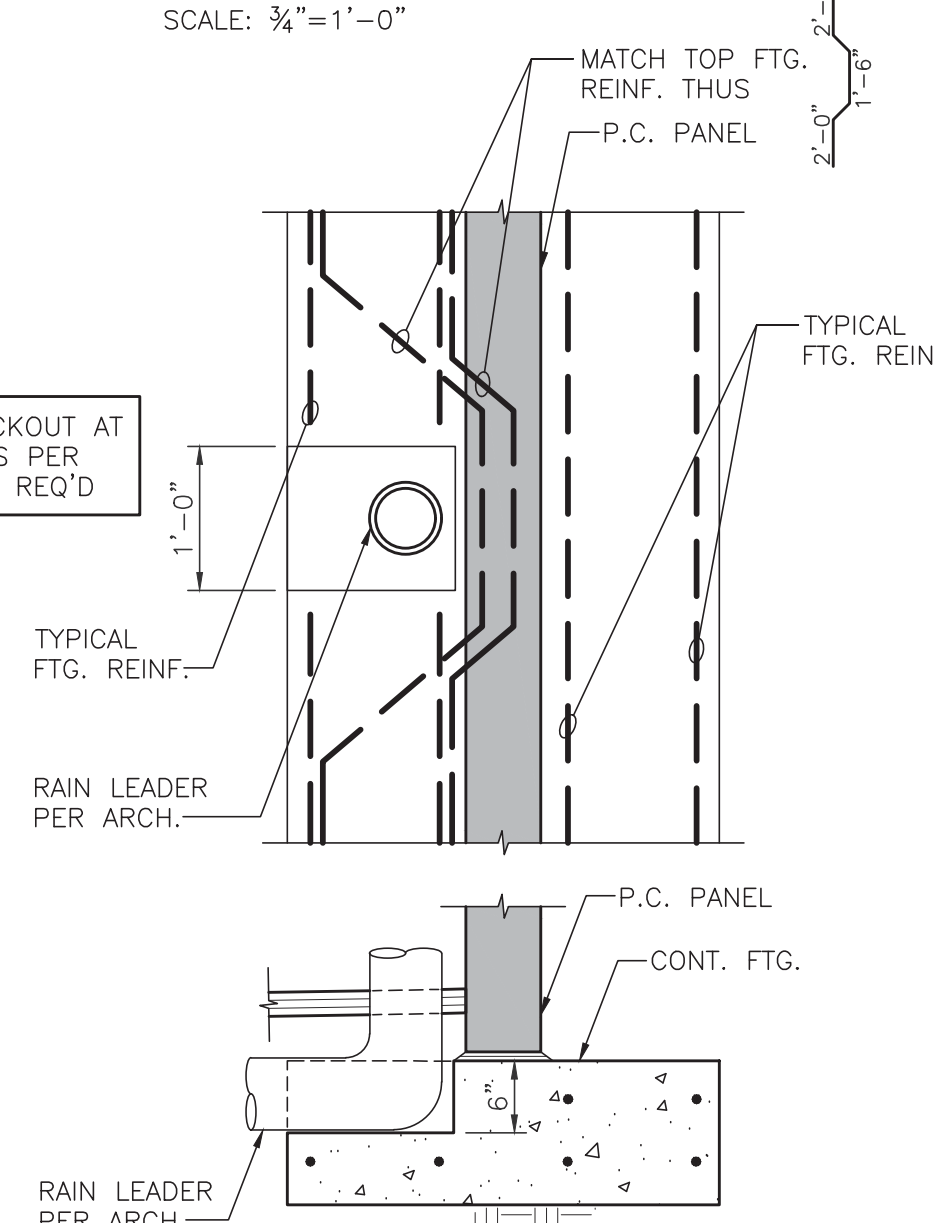
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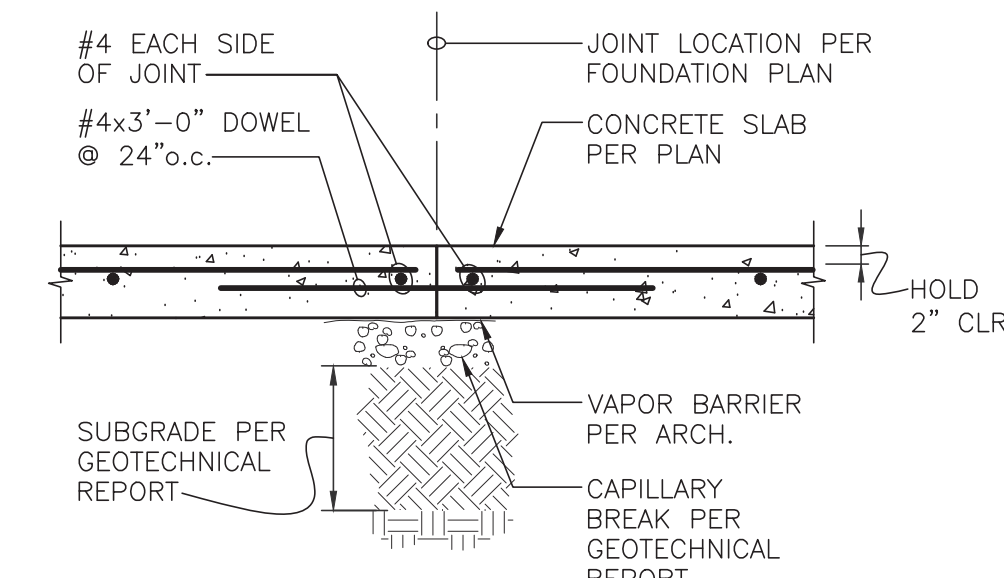
TYP. STEP FOOTING DETAIL



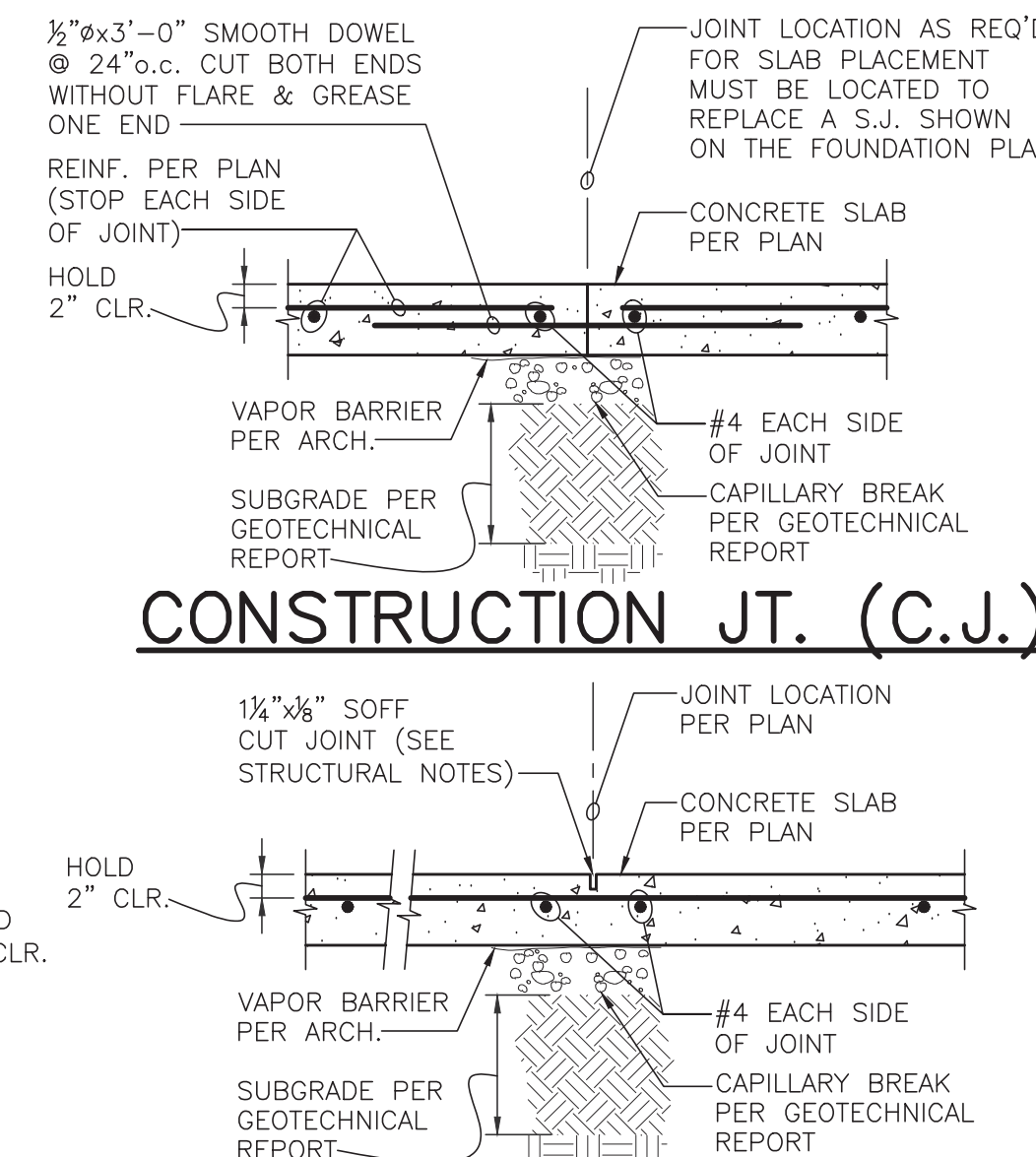
DUMPSTER DETAIL
SCALE: 3/4"=1'-0"



TYPICAL FOOTING BLOCK-OUT AT RAIN LEADERS



CLOSURE STRIP JT. (C.S.)



CONTROL JOINT (S.J.)

REVISIONS

ISSUE NO.	DATE	ITEM
10-11-19	PERMIT SET	

PROFESSIONAL STAMP



Digitally signed by John Headland
Date: 2019.10.11 14:13:54 -07'00'

PROJECT INFORMATION

NELSON 43

4301 78TH STREET SW
MUKILTEO, WA

SHEET INFORMATION

RELEASE FOR: PERMIT SUBMITTAL	
TITLE: FOUNDATION SECTIONS	
DESIGNED BY: CT	DRAWN BY: AL, RB
REVIEWED BY: JH	APPROVED BY:
DATE: 10-11-19	
PROJECT NO: 18-40	SHEET NO: 3 OF 13

NELSON
DEVELOPMENT

P.O. BOX 1301
SEAHURST, WA 98062

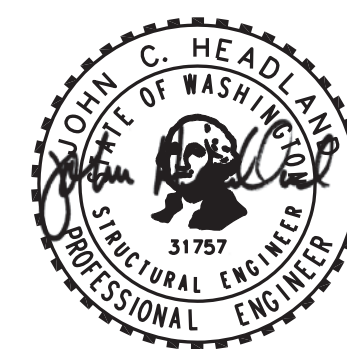
SHUTLER
CONSULTING
ENGINEERS Inc.
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Bellevue, Washington 98005
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REVISIONS

ISSUE NO.	DATE	ITEM
10-11-19	PERMIT SET	

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2019.10.11
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PROJECT INFORMATION

NELSON 43

4301 78TH STREET SW
MUKILTEO, WA

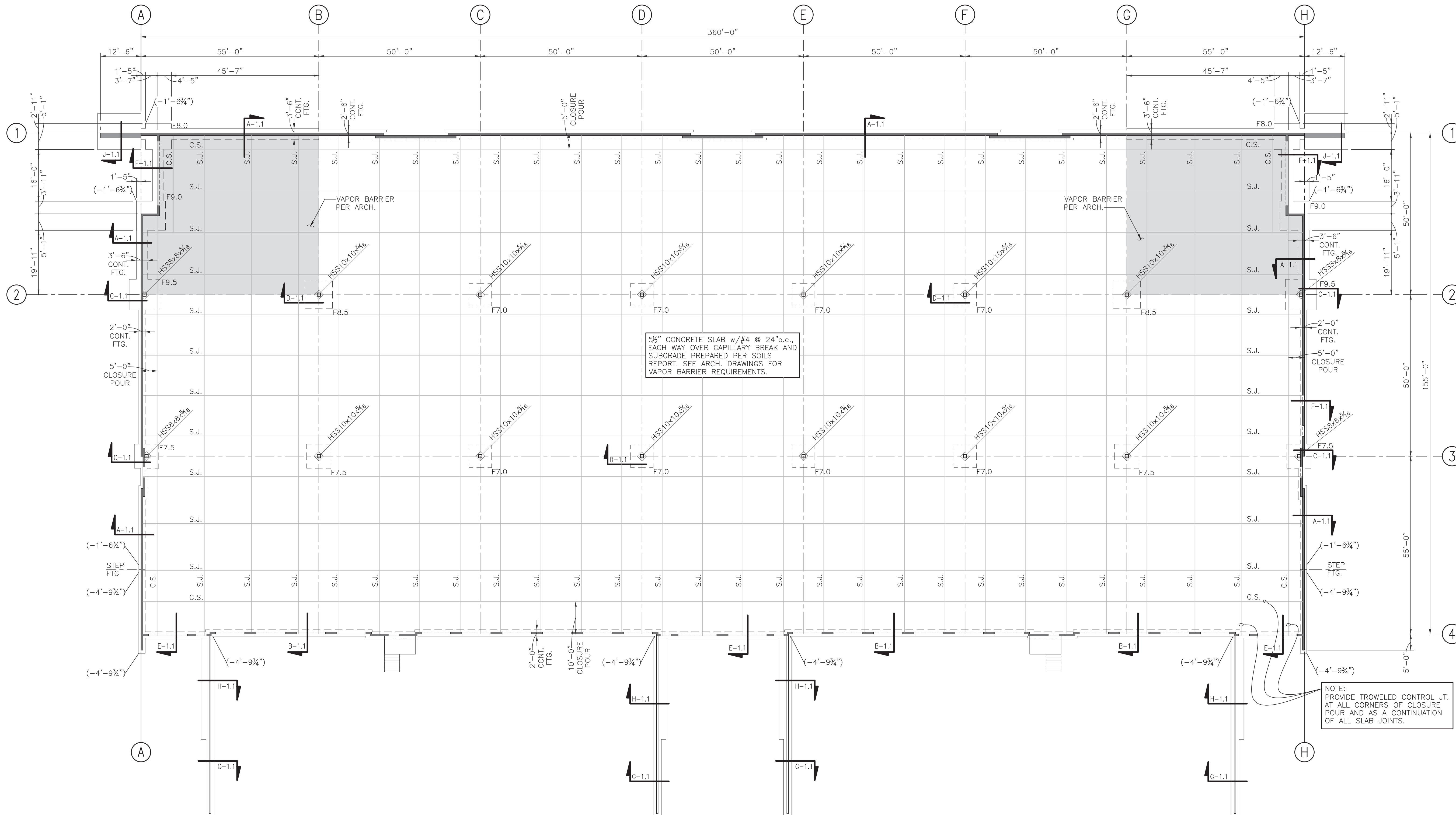
SHEET INFORMATION

RELEASE FOR: PERMIT SUBMITTAL
TITLE: FOUNDATION PLAN

DESIGNED BY: CT DRAWN BY: AL, RB
REVIEWED BY: JH APPROVED BY:
DATE: 10-11-19
PROJECT NO: 18-40 SHEET NO: 4 OF 13

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

- NOTES:
- 1) TOP OF FINISHED FLOOR SLAB AT ELEVATION 561.00' IS REFERENCE DATUM 0'-0".
 - 2) ELEVATION 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-1.1 FOR STEP FOOTING & SLAB JOINT DETAILS.
 - 5) SEE SHEET S-3.0 FOR FOOTING SCHEDULE.
 - 6) SEE PANEL ELEVATIONS FOR PANEL THICKNESS.

[illegible]

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Headland
Date: 2019.10.1
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NELSON 43

4301 78TH STREET SW
MUKILTEO, WA

RELEASE FOR: PERMIT SUBMITTAL
TITLE: ROOF FRAMING PLAN

DESIGNED BY: CT DRAWN BY: AL, RE
REVIEWED BY: JH APPROVED BY:
DATE: 10-11-19
SHEET NO: S2.
PROJECT NO: 18-40 5

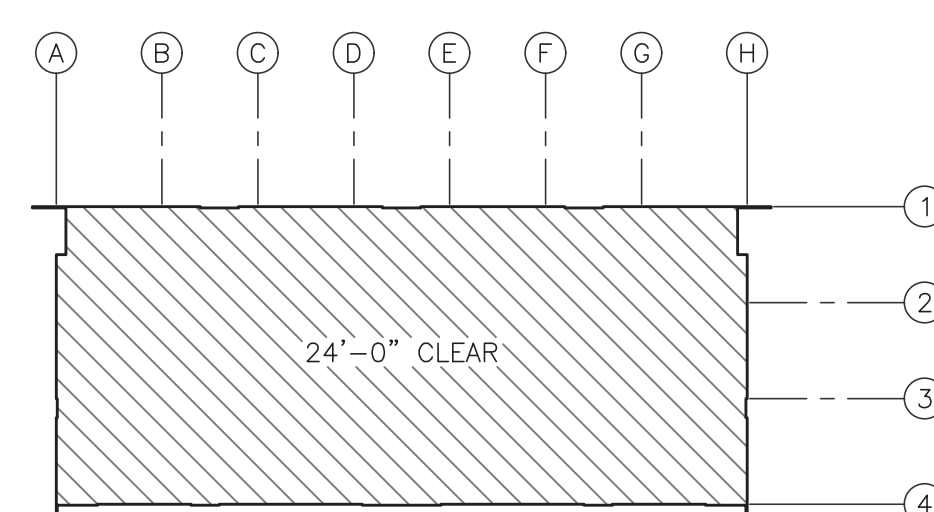
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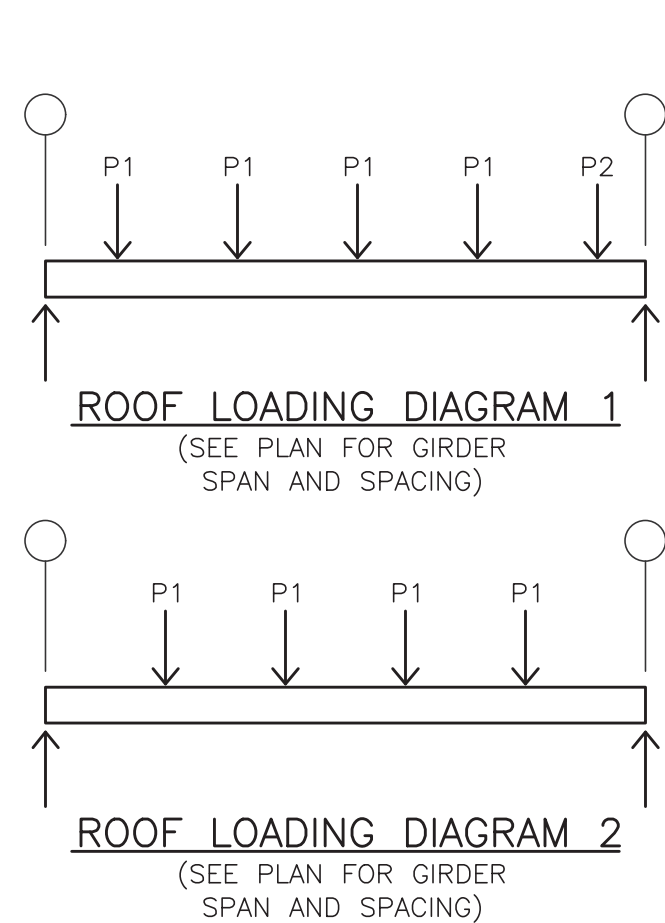
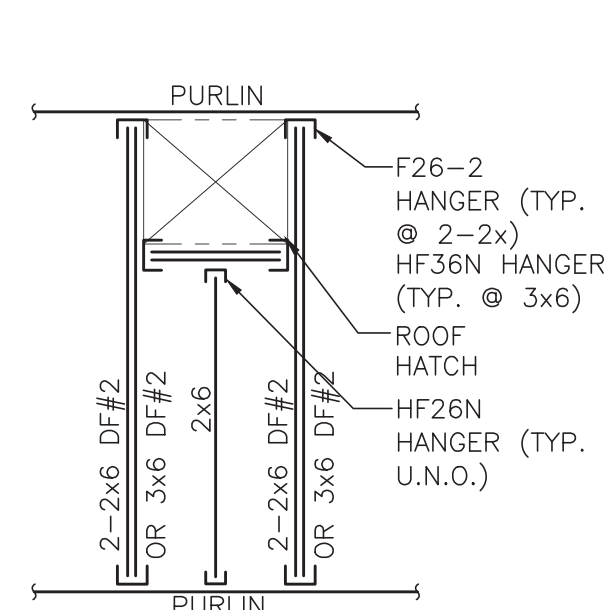
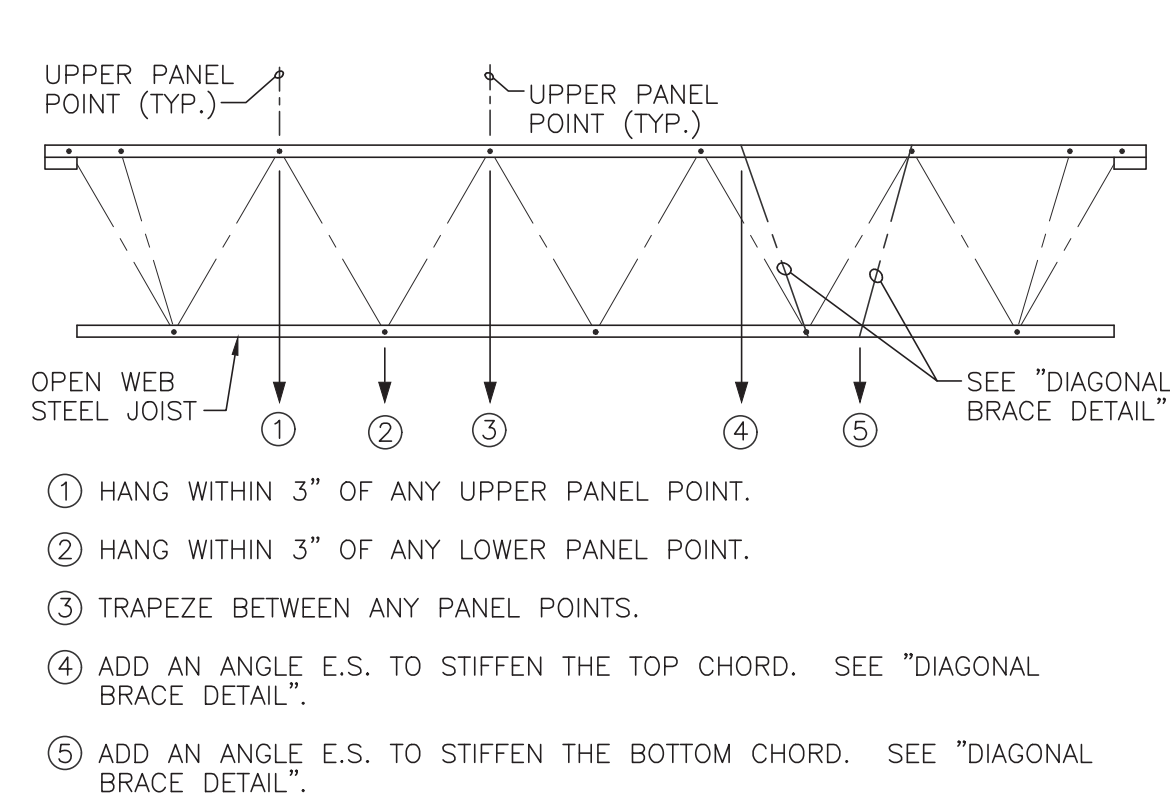
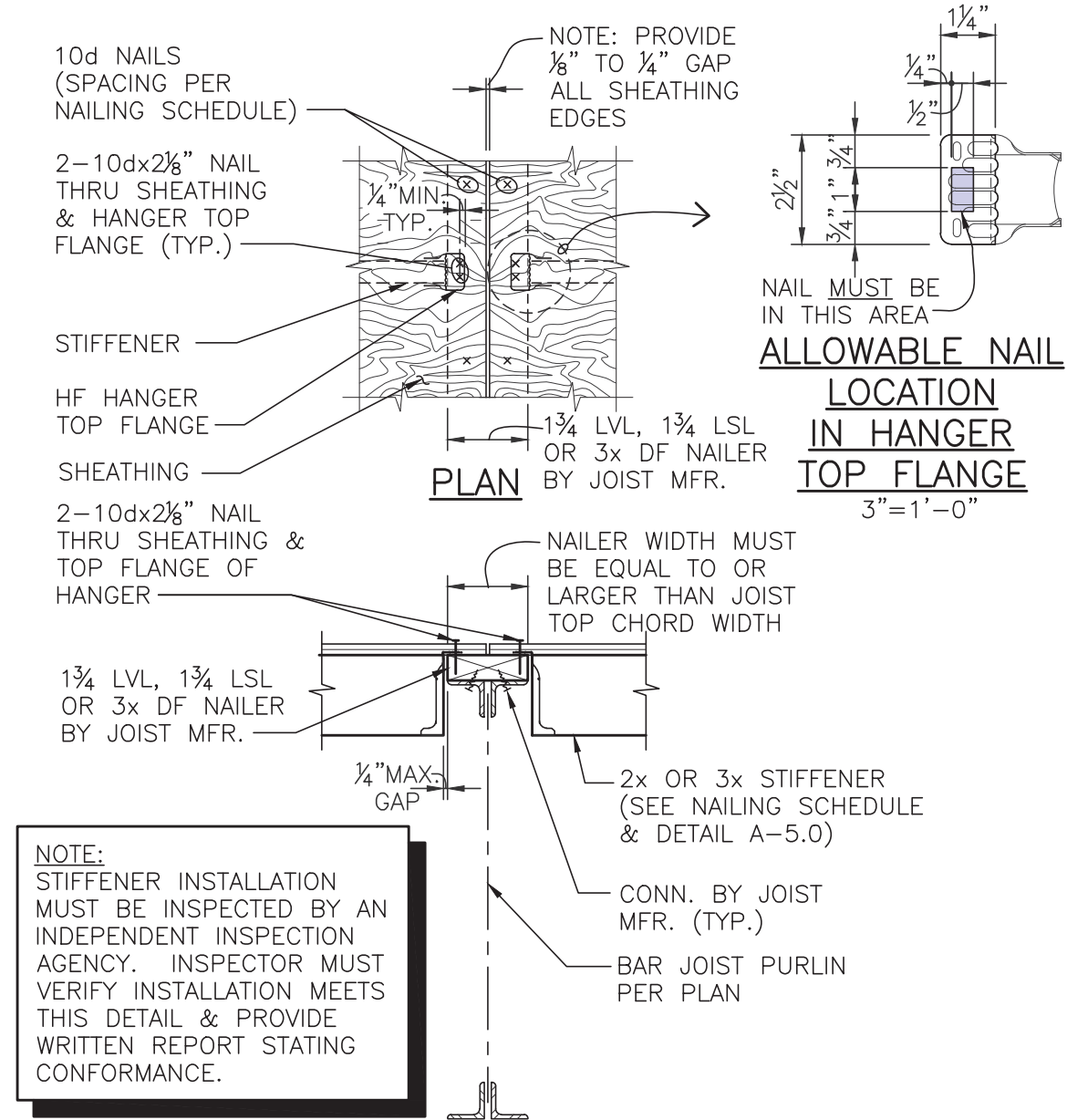
- NOTES: 1) ELEVATIONS SHOWN THUS: [____'-____"] INDICATE TOP OF FRAMING (BOTTOM OF SHEATHING) ABOVE REFERENCE DATUM.
- 2) ELEVATIONS SHOWN THUS: <____'-____"> INDICATE TOP OF PARAPET ELEVATIONS ABOVE REFERENCE DATUM.
- 3) MECHANICAL EQUIPMENT & DUCTS AND/OR PIPES & SPRINKLER SYSTEMS SHALL NOT BE SUSPENDED 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 MECHANICAL 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-3.0 FOR ROOF DIAPHRAGM NAILING SCHEDULE.
- 7) ROOF PURLINS SHALL BE DESIGNED FOR A 6.0 PSF MINIMUM NET UPLIFT.
- 8) SEE SHEET S-3.0 FOR SKYLIGHT/SMOKE VENT & ROOF HATCH FRAMING DETAILS. SEE ARCHITECTURAL DRAWINGS FOR LOCATIONS.

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



 CLEAR HEIGHT DIAGRAM
SCALE: 1"=100'

NOTE: HEIGHTS SHOWN ARE FROM TOP OF SLAB
TO BOTTOM OF ROOF STRUCTURE.



ROOF GIRDER DESIGN CRITERIA						
MARK	DEPTH	NOMENCLATURE	LOAD DIAGRAM NUMBER	LOAD P1		NET UPLIFT
				T.L.	L.L.	
RG-1	32\"/>	32/50G6N SPECIAL	1	21.8 ^k	13.1 ^k	5 PSF
RG-2	48\"/>	48G5N21.8 ^k	2	21.8 ^k	13.1 ^k	5 PSF

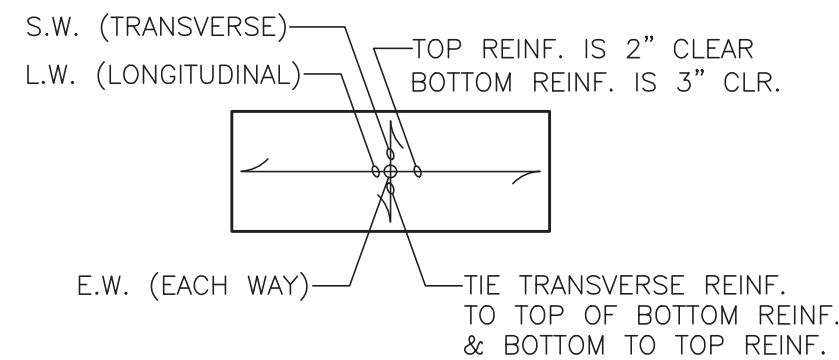
- ROOF GIRDER SCHEDULE NOTES:**
- LIVE LOAD DEFLECTIONS SHALL BE LIMITED TO SPAN/360. TOTAL LOAD DEFLECTIONS SHALL BE LIMITED TO SPAN/240.
 - MECHANICAL EQUIPMENT LOADS, ROOF TOP UNIT LOADS & SPRINKLER MAIN LOADS ARE IN ADDITION TO LOADS SHOWN.
 - DEPTH OF JOIST GIRDER BEARING TO BE 7½\"/>
 - TOTAL LOADS SHOWN INCLUDE AN 80 PLF ALLOWANCE FOR THE GIRDER WEIGHT. ADJUST THE TOTAL IF REQUIRED.
 - MECHANICAL UNIT LOADS SHOWN ON THE DRAWINGS ARE TO BE ADDED TO THE LOADING INDICATED IN SCHEDULE.
 - ROOF GIRDERS INDICATED BY xx/yy DEPTH SHALL BE TAPERED FROM xx\"/>
 - ALL GIRDERS WITH A STRAIGHT TAPER END-TO-END TO MAINTAIN CLEAR HEIGHTS MAY, AT THE SUBCONTRACTOR'S OPTION, BE DESIGNED & FABRICATED AT A UNIFORM DEPTH EQUAL TO THE TABULATED SHALLOW END DEPTH.
 - SEE THIS SHEET FOR GIRDER TOP CHORD AXIAL LOADS.

TYP. ROOF STIFFENER HANGER INSTALLATION REQUIREMENTS

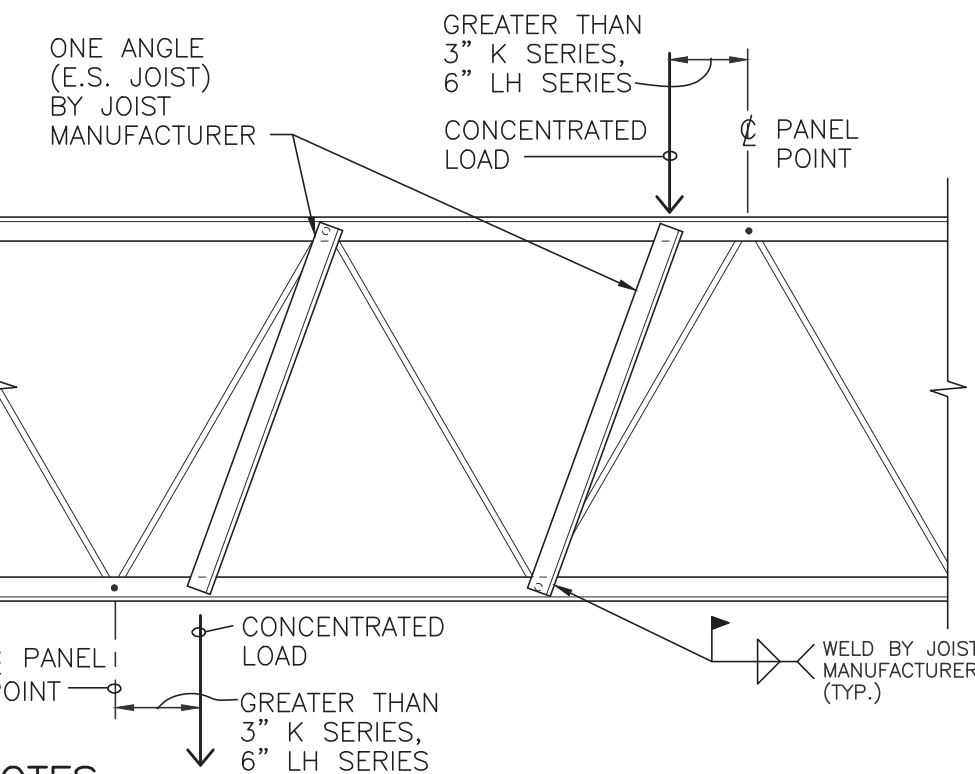
ALLOWABLE METHODS & LOCATIONS FOR HANGING LOADS FROM OPEN WEB STEEL JOISTS

FOOTING SCHEDULE		
MARK	SIZE	REINFORCEMENT
F3.0	3'-0"x3'-0"x0'-10"	3-#5 E.W., BOTTOM
F3.5	3'-6"x3'-6"x0'-10"	3-#5 E.W., BOTTOM
F4.0	4'-0"x4'-0"x0'-11"	4-#5 E.W., BOTTOM
F4.5	4'-6"x4'-6"x1'-0"	4-#6 E.W., BOTTOM
F5.0	5'-0"x5'-0"x1'-1"	4-#6 E.W., BOTTOM
F5.5	5'-6"x5'-6"x1'-2"	5-#6 E.W., BOTTOM
F6.0	6'-0"x6'-0"x1'-4"	6-#6 E.W., BOTTOM
F6.5	6'-6"x6'-6"x1'-5"	7-#6 E.W., BOTTOM
F7.0	7'-0"x7'-0"x1'-6"	7-#6 E.W., BOTTOM
F7.5	7'-6"x7'-6"x1'-7"	8-#6 E.W., BOTTOM
F8.0	8'-0"x8'-0"x1'-8"	9-#6 E.W., BOTTOM
F8.5	8'-6"x8'-6"x1'-9"	8-#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

NOTE: SOME FOOTINGS IN SCHEDULE MAY NOT BE USED.



TYPICAL REINFORCEMENT PLACEMENT



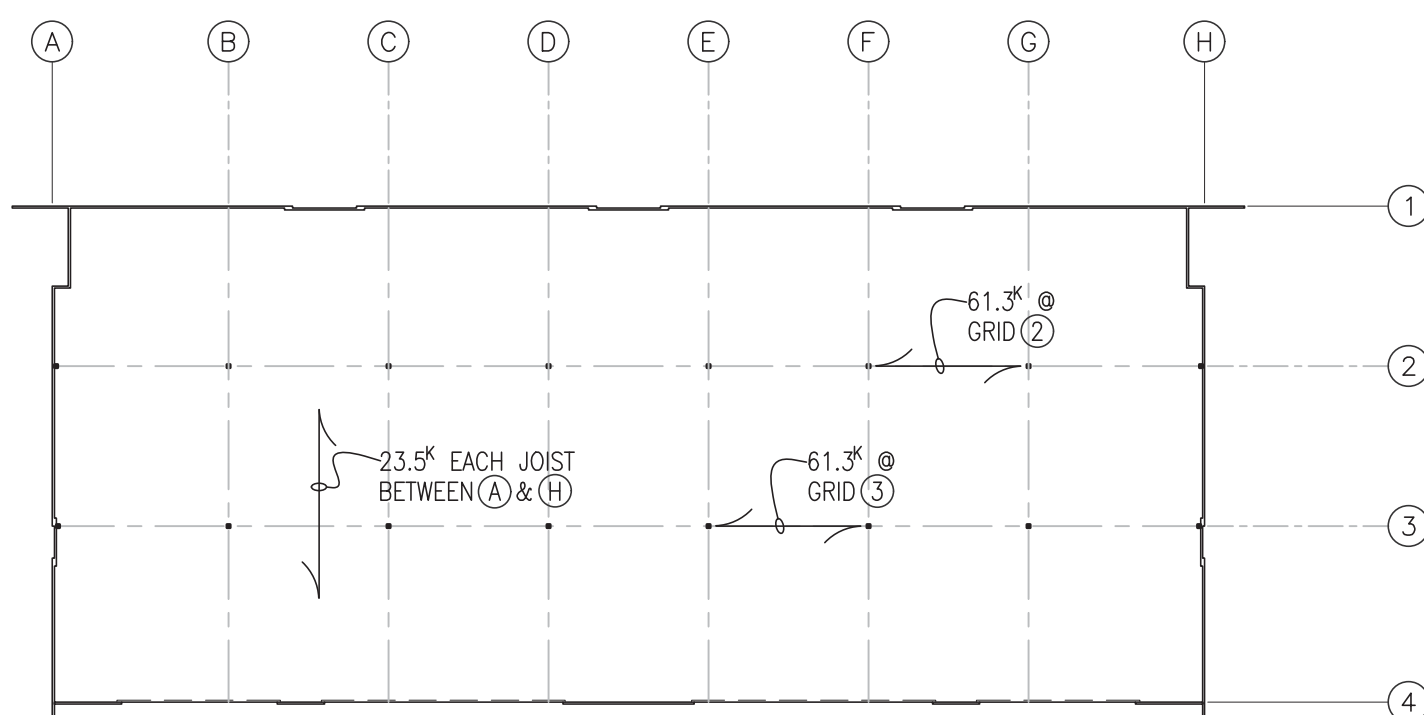
- NOTES:**
- WHERE CONCENTRATED LOADS ARE SUPPORTED BY JOIST CHORDS & ARE LOCATED MORE THAN 3\"/>
 - REMOVE LOAD FROM JOIST PRIOR TO WELDING ANGLE.

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
(V)	1½\"/>	4x6	2	2 ROWS @ 4\"/>	2 ROWS @ 4\"/>	915#/ft
(VI)	1½\"/>	4x6	2	2 ROWS @ 3\"/>	2 ROWS @ 3\"/>	1165#/ft
(VII)	1½\"/>	4x6	2	2 ROWS @ 2½\"/>	2 ROWS @ 2½\"/>	1290#/ft
(VIII)	1½\"/>	4x6	2	2 ROWS @ 2½\"/>	2 ROWS @ 2½\"/>	1440#/ft

- NOTES:**
- ALL NAILS TO BE 10d COMMON (.148"x2" MINIMUM LENGTH).
 - SPACE NAILS @ 12"o.c. AT ALL INTERMEDIATE FRAMING MEMBERS.
 - PROVIDE 2 ROWS 10d @ 2½"o.c., STAGGERED AT ALL DIAPHRAGM BOUNDARIES.
 - PROVIDE 4x6 STIFFENER w/F46 HANGER EACH END AT ALL PANEL EDGES IN MARK (V), (VI), (VII) AND (VIII).
 - PROVIDE 4x8 STIFFENER w/B48 HANGER EACH END AT ALL SEISMIC STRAPS (SEE SECTION H-5.0). SEISMIC STRAPS NOT PERMITTED ON SHEATHING JOINT AT EXTERIOR WALL IN HIGH SHEAR DIAPHRAGM.
 - 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.
 - HIGH-LOAD DIAHHRAGMS 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.

SKYLIGHT FRAMING DETAIL

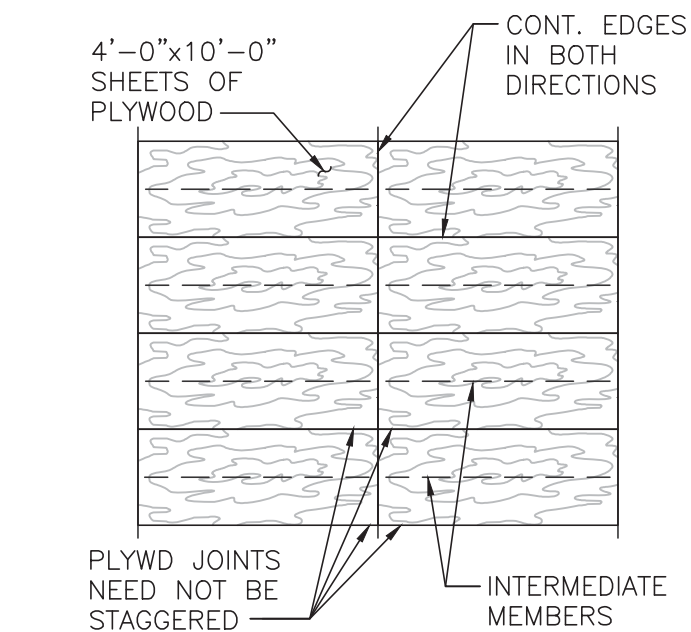


BAR JOIST TOP CHORD TIE FORCE LOAD DIAGRAM

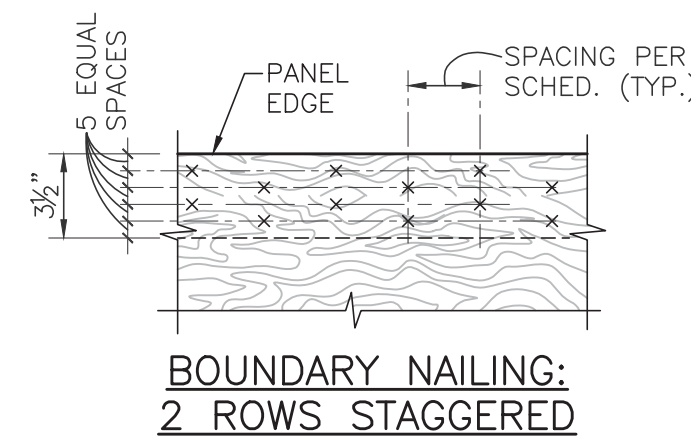
- TIE FORCE LOAD DIAGRAM NOTES:**
- LOAD SHOWN IS FOR EACH JOIST IN DESIGNATED AREA, FULL WIDTH OF BUILDING.
 - DESIGN TOP CHORD & SEAT OF ROOF PURLIN BAR JOIST TO TRANSFER THE SHOWN SEISMIC LOAD.
 - THE LOAD SHOWN IS A WORKING STRESS VALUE, BUT DOES INCLUDE THE 1.4 FACTOR PER ASCE SECTION 12.11.2.2.2.

ROOF DIAPHRAGM NAILING SCHEDULE					
MARK	SHEATHING	STIFFENER AT PLYWOOD JOINT	CONTINUOUS EDGES	'OTHER' EDGE	ALLOWABLE SHEAR
(I)	1½\"/>	2x6	6"o.c.	6"o.c.	320#/FT
(II)	1½\"/>	2x6	4"o.c.	4"o.c.	425#/FT
(III)	1½\"/>	2x6	3"o.c.	3"o.c.	568#/FT
(IV)	1½\"/>	3x6	3"o.c.	3"o.c.	640#/FT

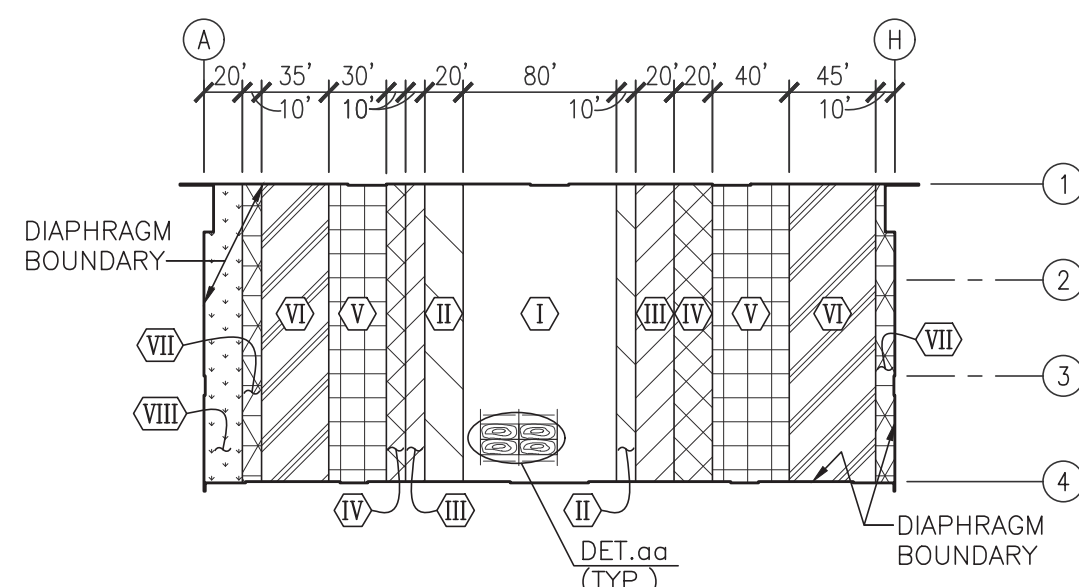
- NOTES:**
- ALL NAILS TO BE 10d COMMON (.148"x2" MINIMUM LENGTH).
 - SPACE NAILS @ 12"o.c. AT ALL INTERMEDIATE FRAMING MEMBERS.
 - PROVIDE 2 ROWS 10d @ 2½"o.c., STAGGERED AT ALL DIAPHRAGM BOUNDARIES.
 - PROVIDE 4x8 STIFFENER w/B48 HANGER EACH END AT ALL SEISMIC STRAPS (SEE SECTION H-5.0). (SEE HIGH SHEAR ROOF DIAPHRAGM NOTES FOR ADDITIONAL REQUIREMENTS).
 - PROVIDE 2 ROWS 10d COMMON @ 2½"o.c., STAGGERED EACH SIDE OF JOINT AT DRAG STRUTS. (SEE HIGH SHEAR ROOF DIAPHRAGM NOTES FOR ADDITIONAL DRAG STRUT NAILING REQUIREMENTS).
 - 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).
 - PROVIDE 3x6 STIFFENERS WITH HF36N HANGERS EACH END AT ALL PANEL EDGES IN MARK (IV).
 - PROVIDE ½" TO ¼" GAP AT ALL SHEATHING EDGES.



HIGH SHEAR DIAPHRAGM NAILING DETAIL AT 4x's

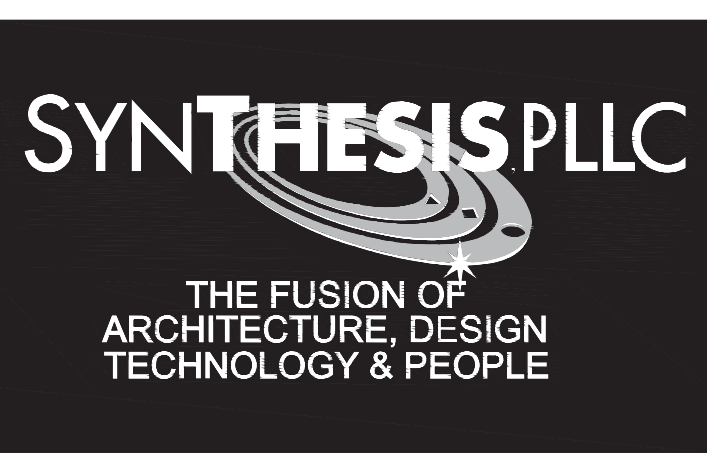


BOUNDARY NAILING: 2 ROWS STAGGERED



ROOF DIAPHRAGM NAILING DIAGRAM

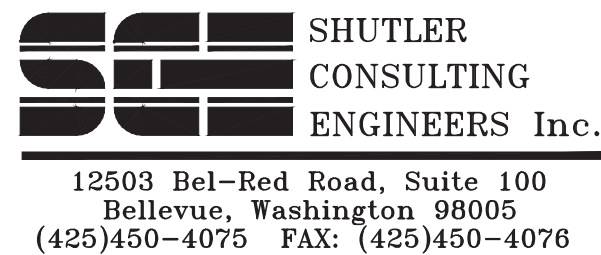
SCALE: 1"=100'



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SHEET INFORMATION

RELEASE FOR: PERMIT SUBMITTAL	
TITLE: SCHEDULES AND DIAGRAMS	
DESIGNED BY: CT	DRAWN BY: AL, RB
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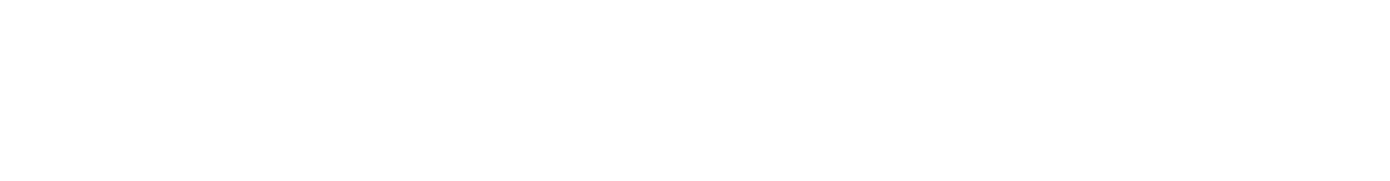
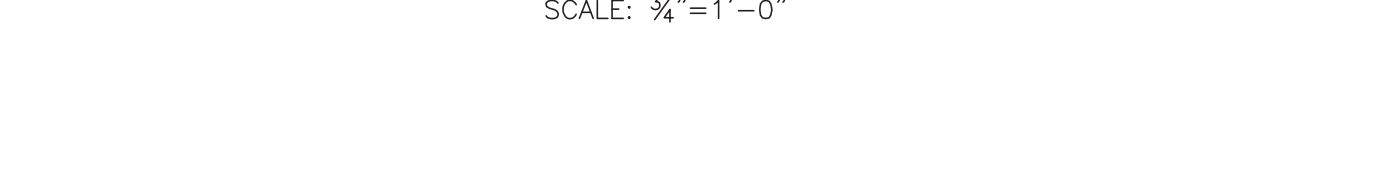
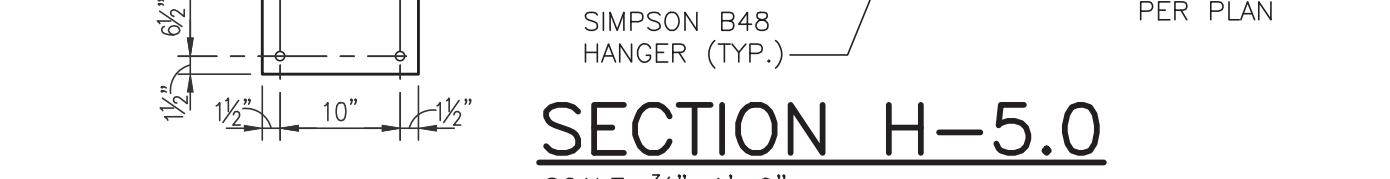
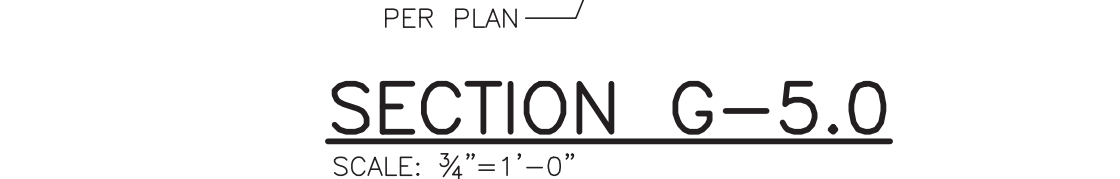
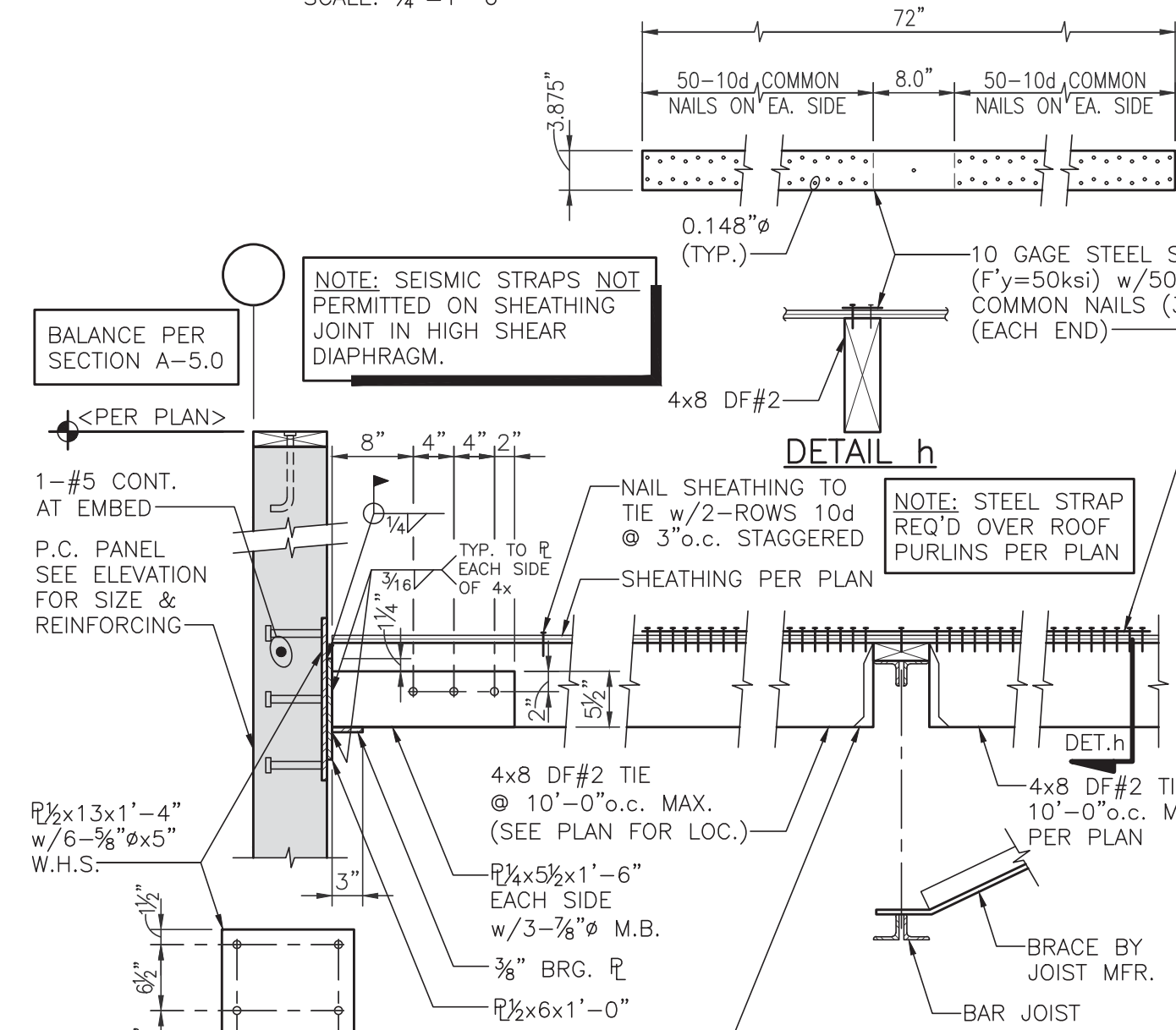
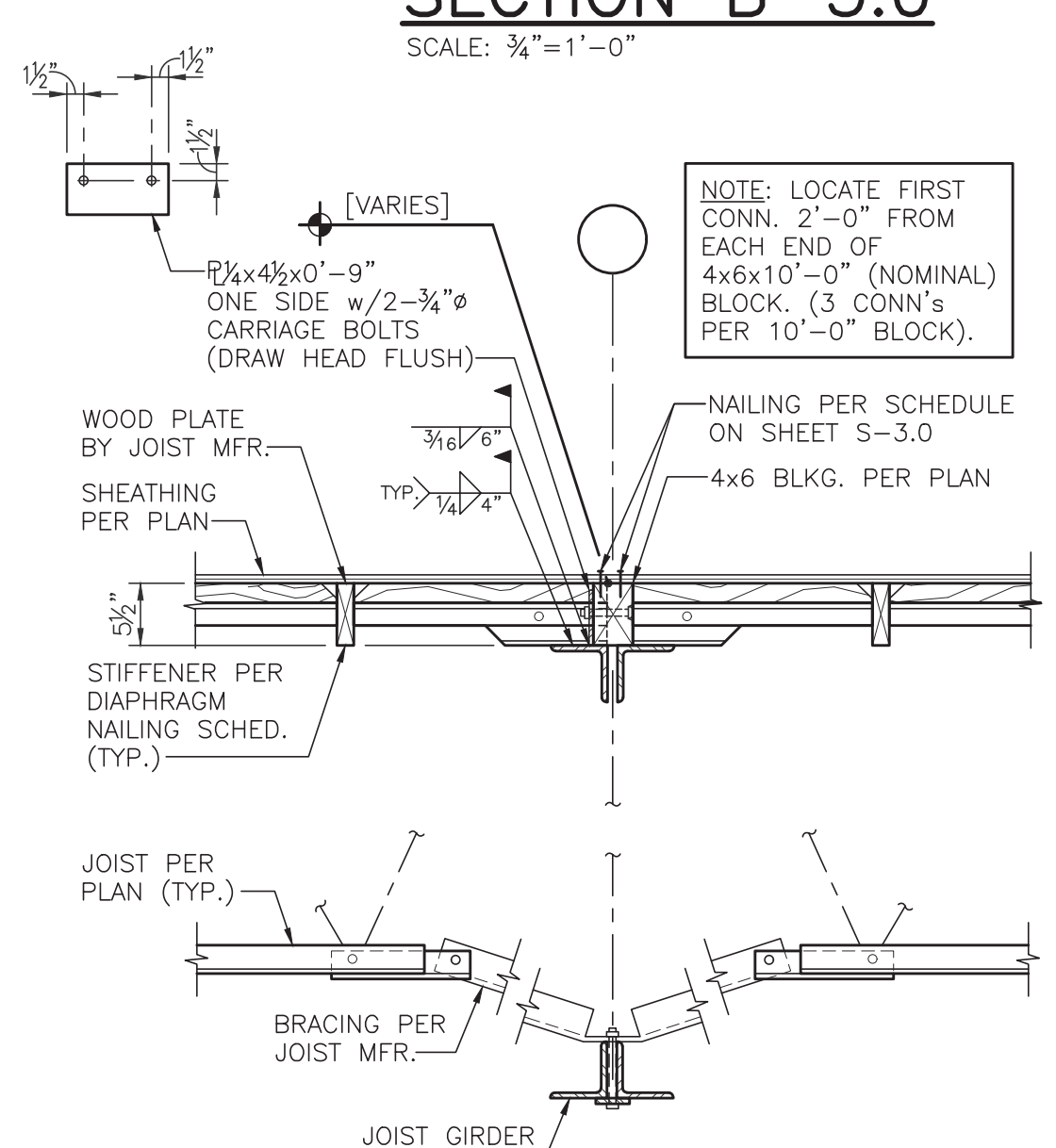
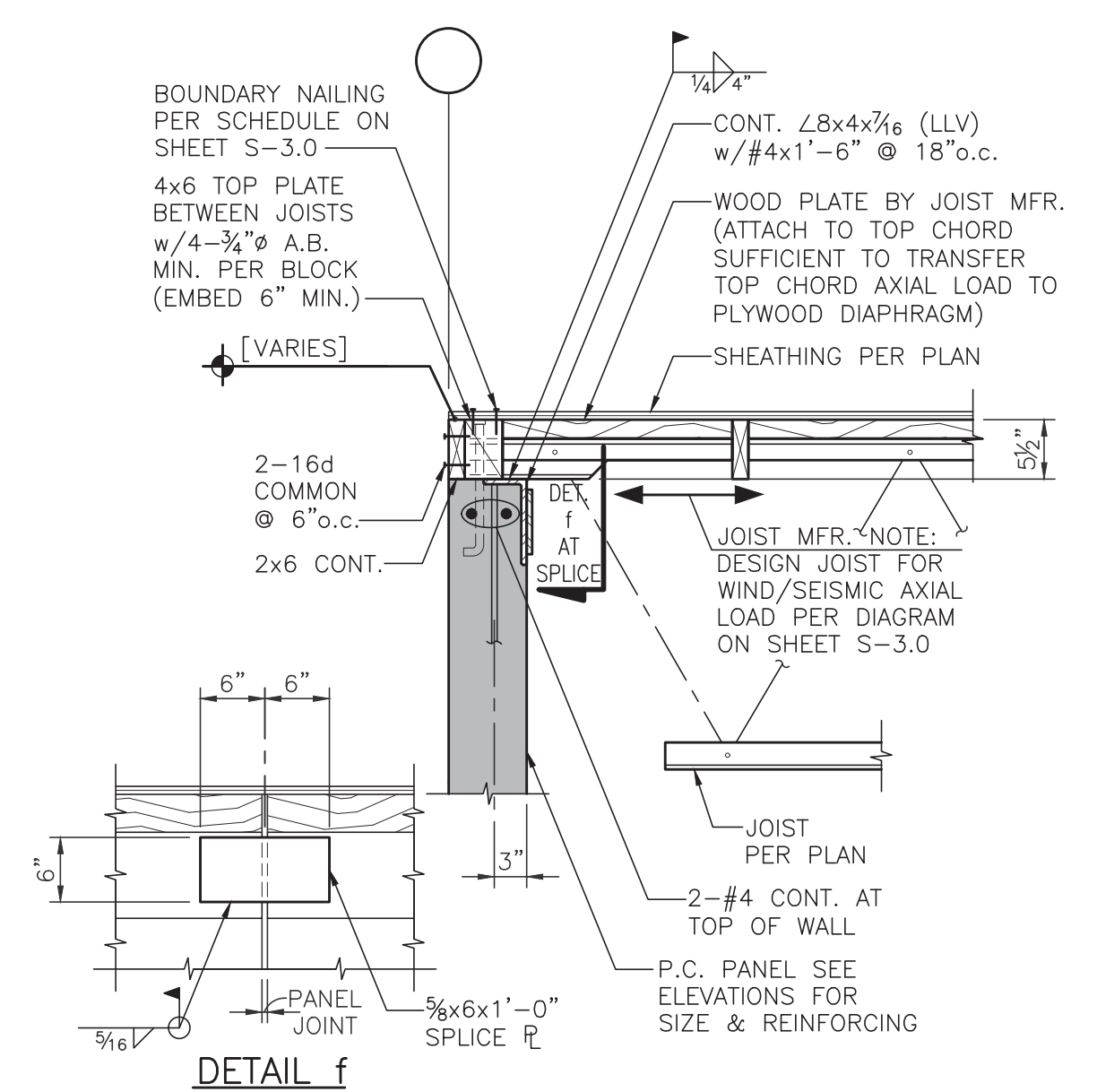
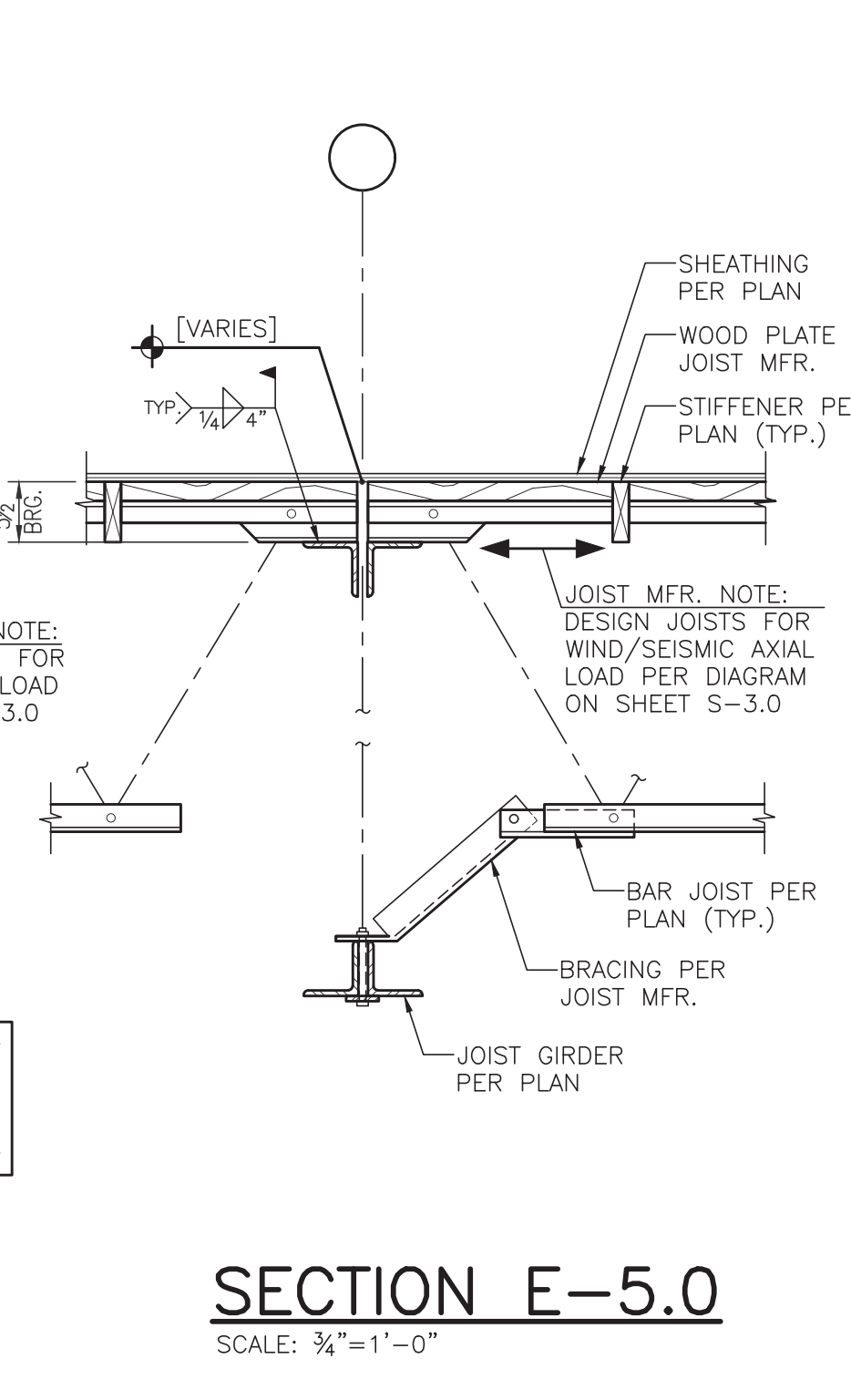
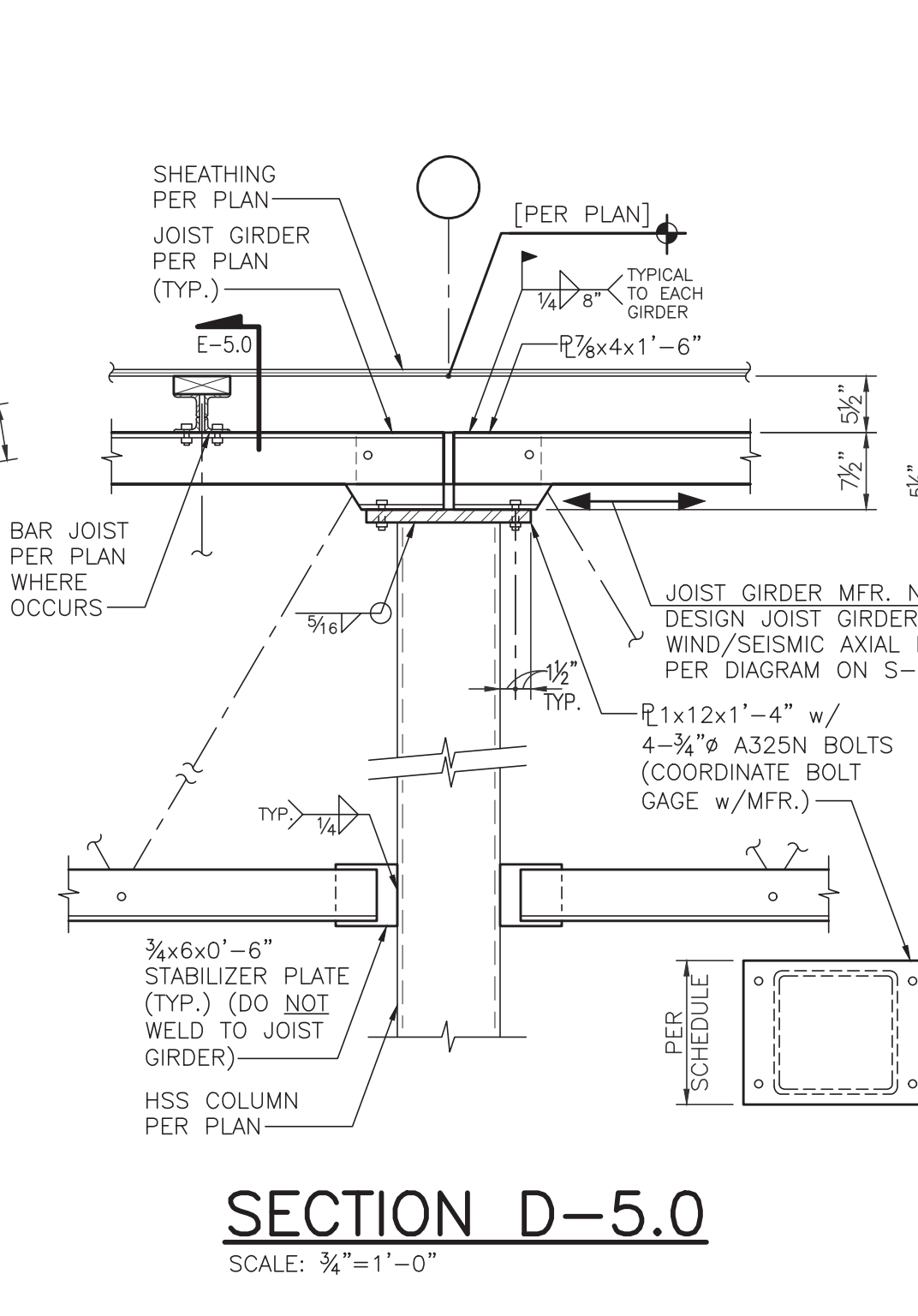
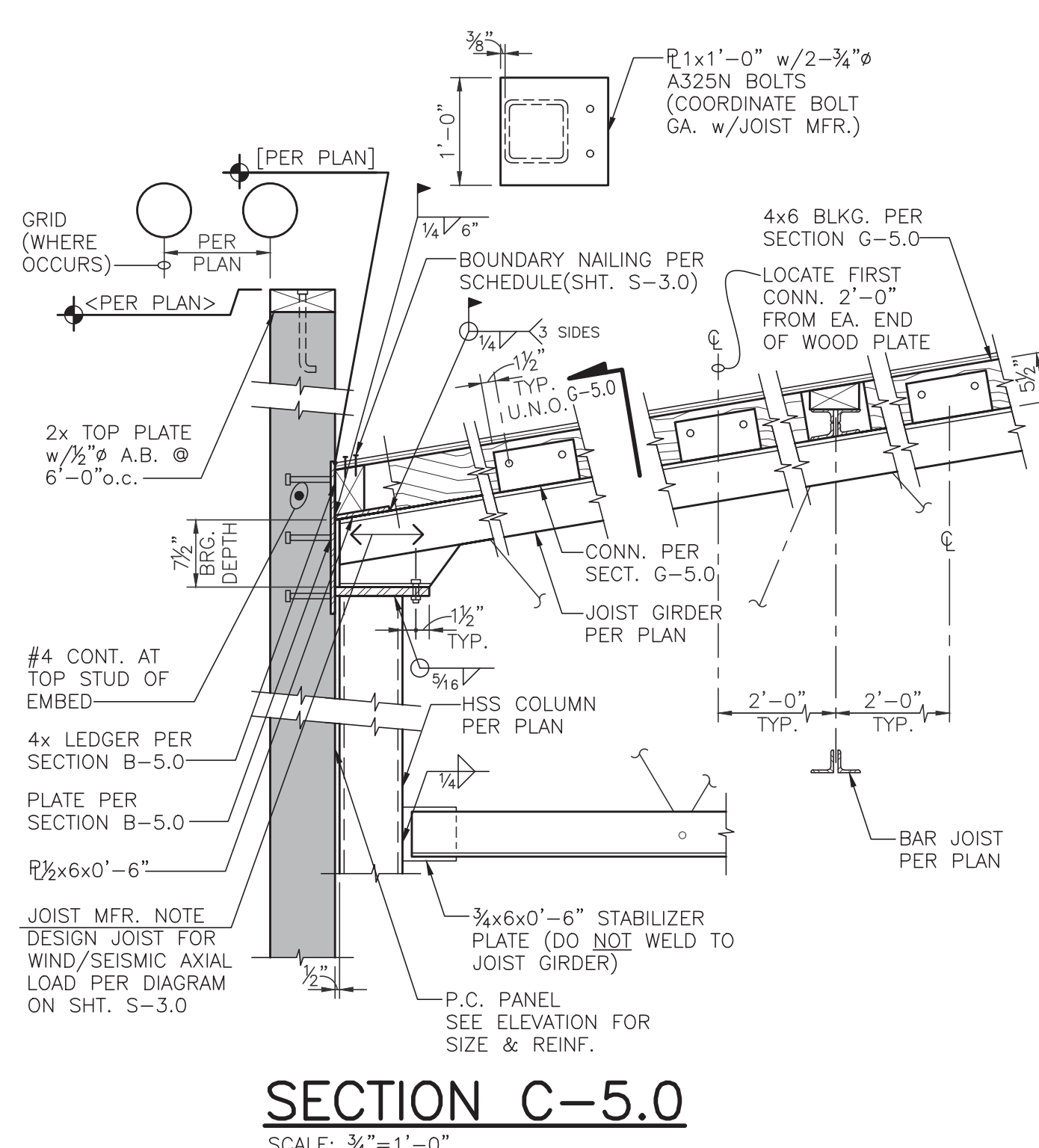
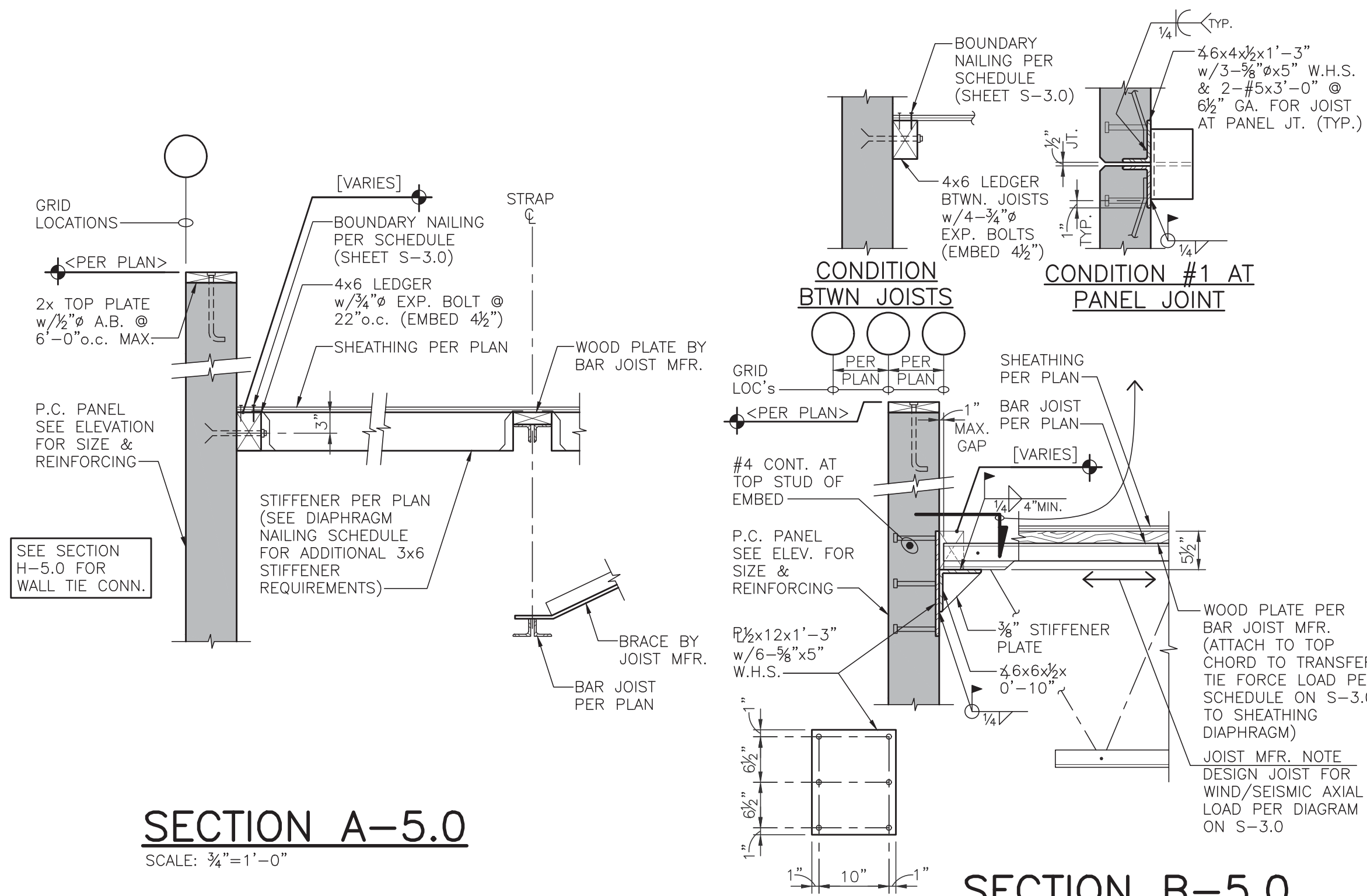
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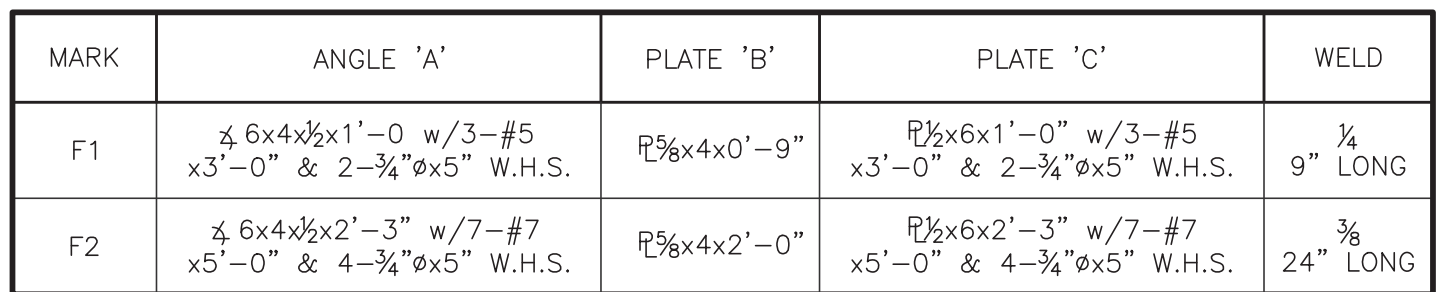
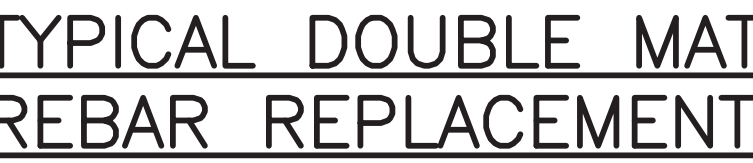
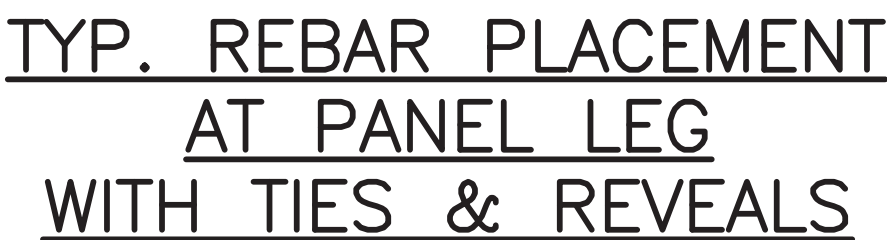
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TITLE: ROOF FRAMING SECTIONS

DESIGNED BY: CT DRAWN BY: AL, RB
REVIEWED BY: JH APPROVED BY:
DATE: 10-11-19
SHEET NO: 7 OF 13
PROJECT NO: 18-40

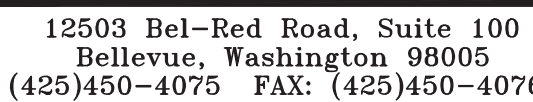
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TITLE: PANEL CONNECTIONS,
PANEL DETAILS & PANEL KEY

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REVIEWED BY: JH APPROVED BY:
DATE: 10-11-19
SHEET NO: S6.
PROJECT NO: 18-40 8

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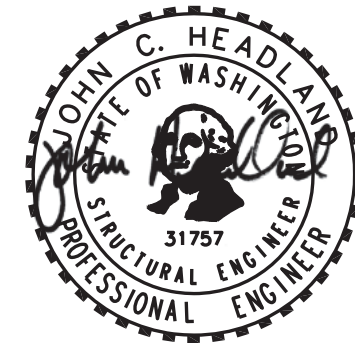
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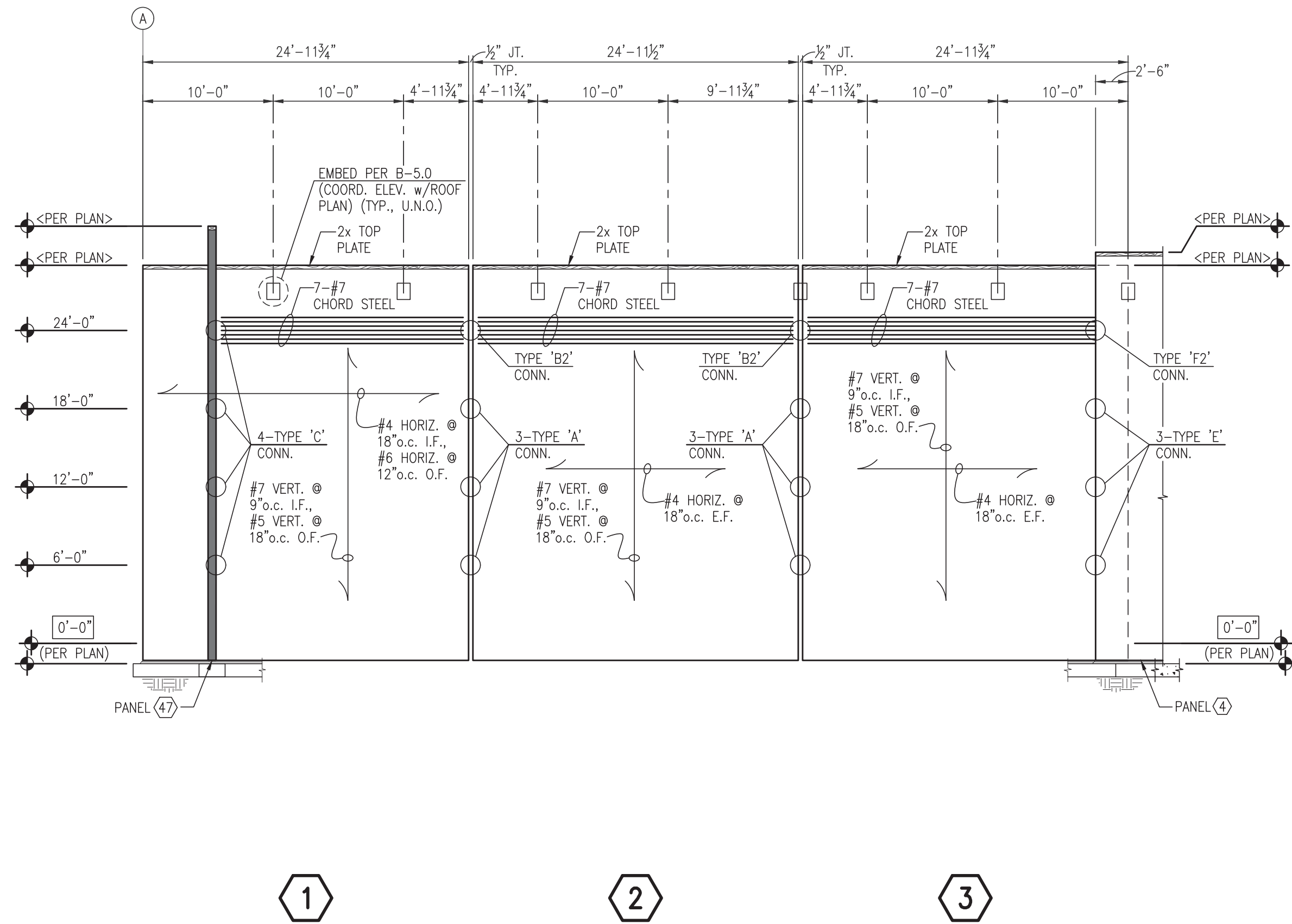
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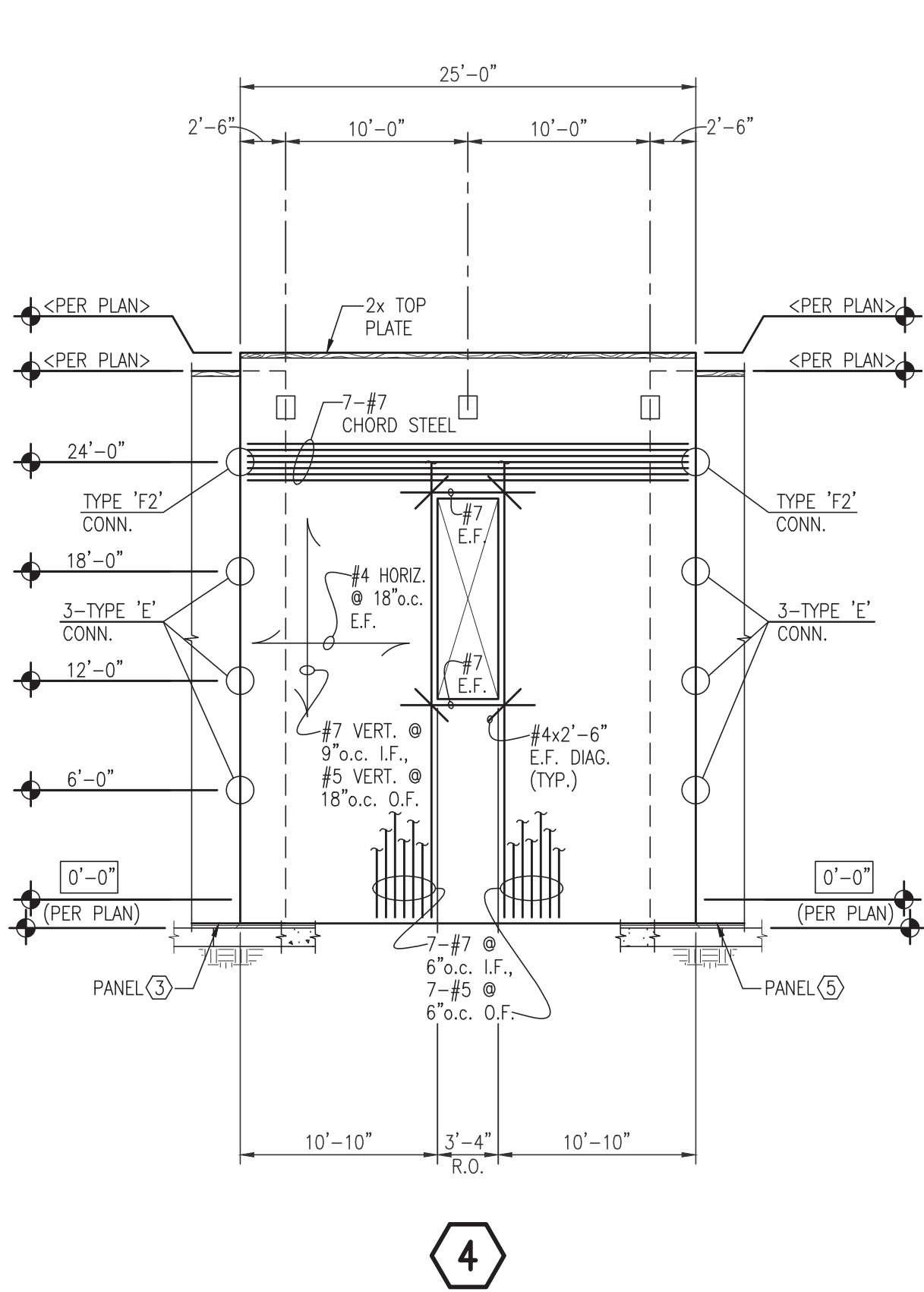
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TITLE: PANEL ELEVATIONS

DESIGNED BY: CT
REVIEWED BY: JH
DATE: 10-11-19
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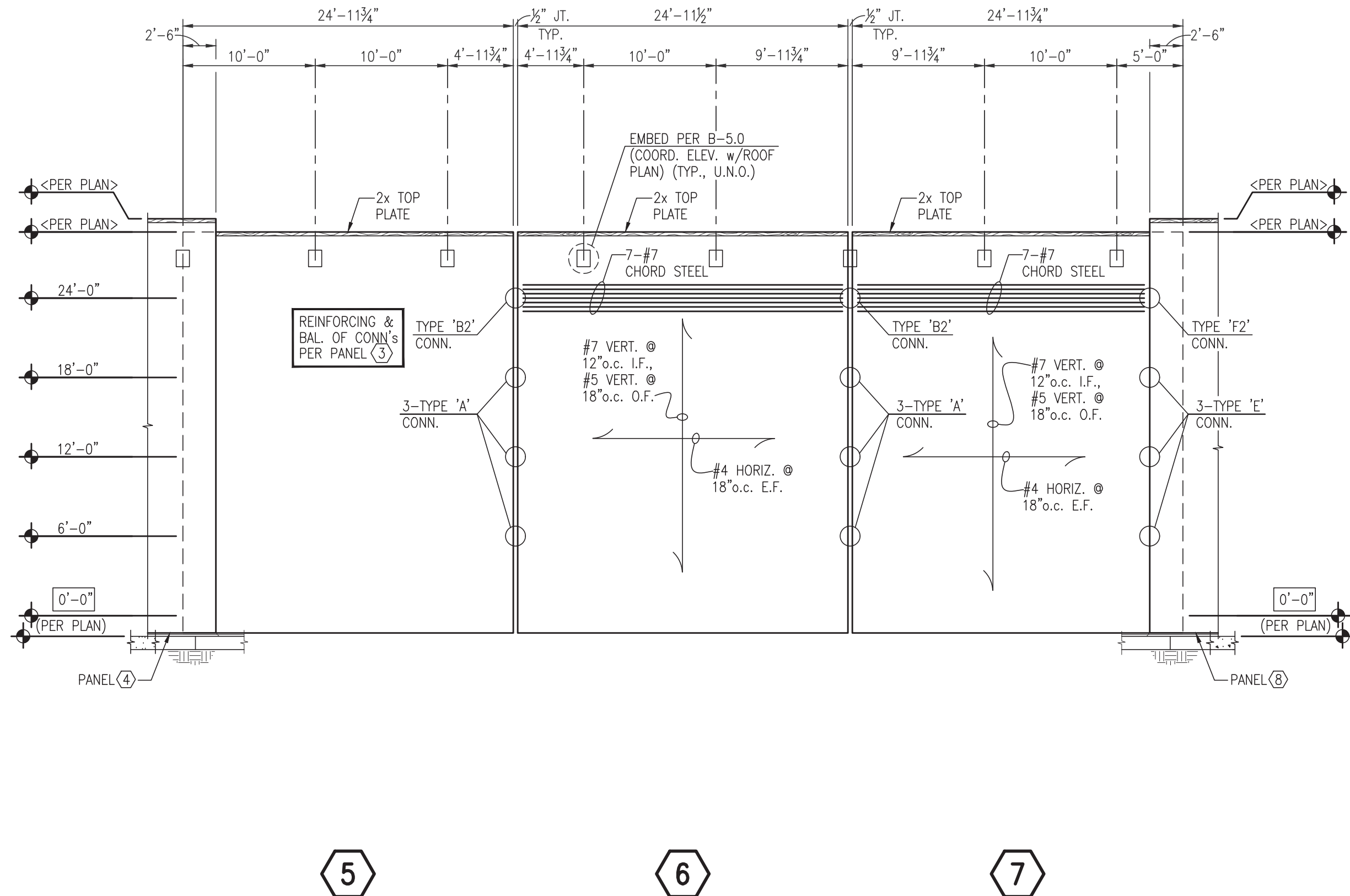
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SHEET NO:
9 OF 13



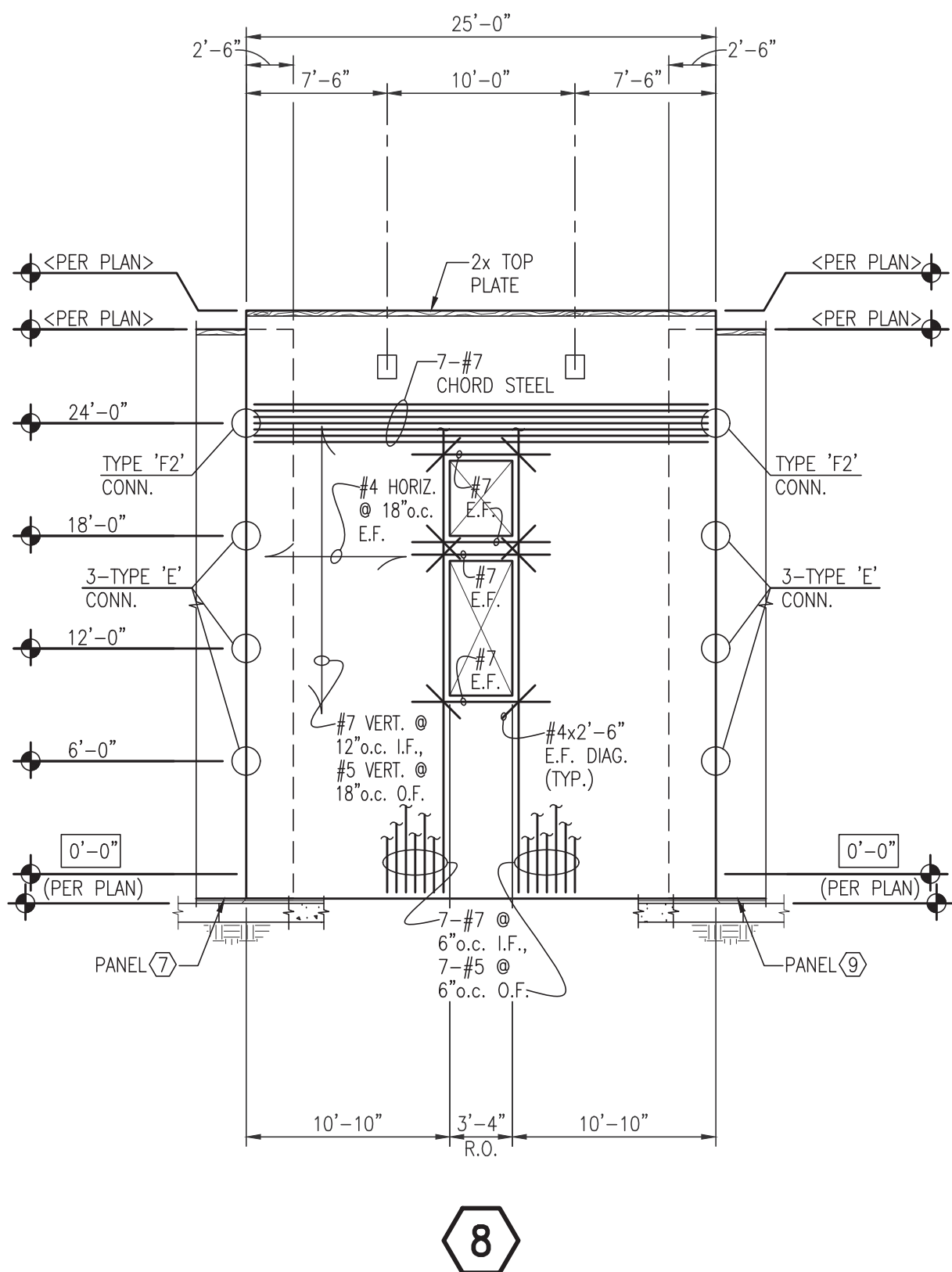
PARTIAL WEST P.C. PANEL ELEVATIONS AT GRID ①
(9 1/4" THICK PANELS w/3/4" MAX. REVEALS)



**PARTIAL WEST
P.C. PANEL ELEVATION
9 1/4" EAST OF GRID ①**
(9 1/4" THICK PANEL w/3/4" MAX. REVEALS)



PARTIAL WEST P.C. PANEL ELEVATIONS AT GRID ①
(9 1/4" THICK PANELS w/3/4" MAX. REVEALS)



**PARTIAL WEST
P.C. PANEL ELEVATION
9 1/4" EAST OF GRID ①**
(9 1/4" THICK PANEL w/3/4" MAX. REVEALS)

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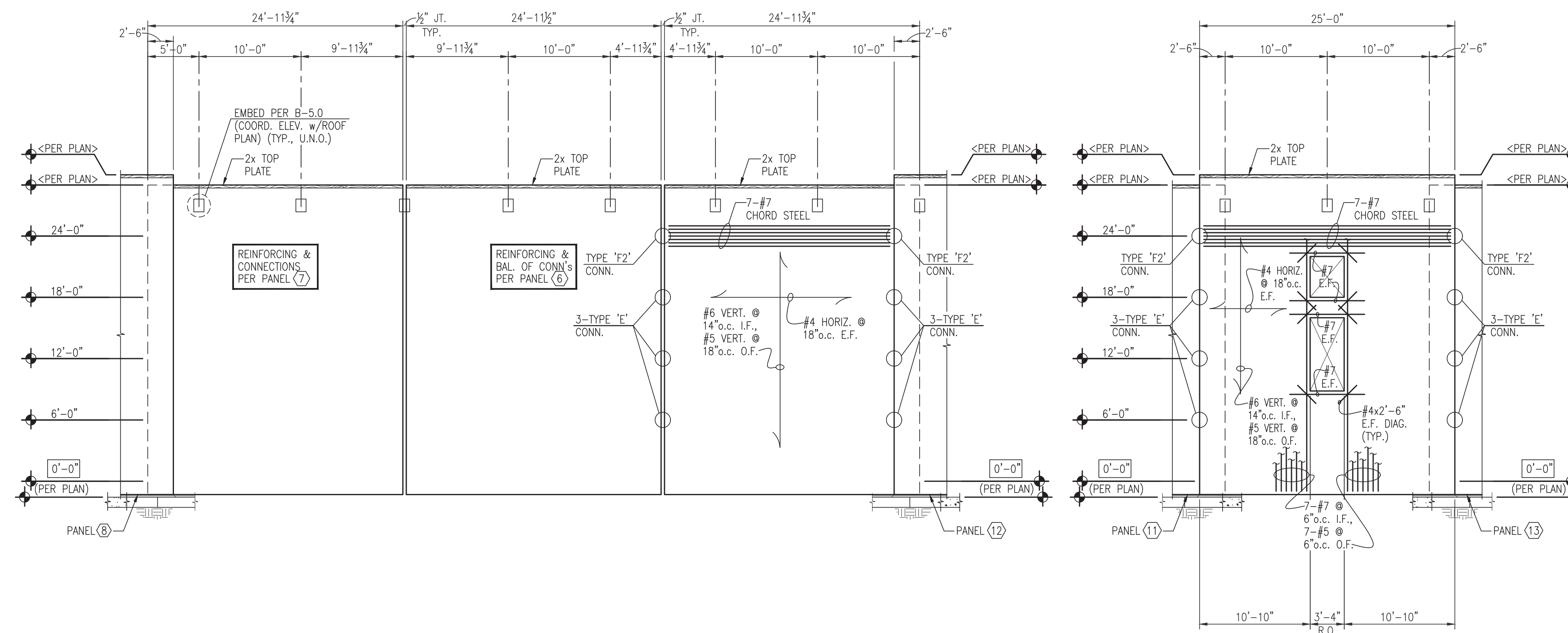
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TITLE: PANEL ELEVATIONS

DESIGNED BY: CT
REVIEWED BY: JH
DATE: 10-11-19
PROJECT NO: 18-40

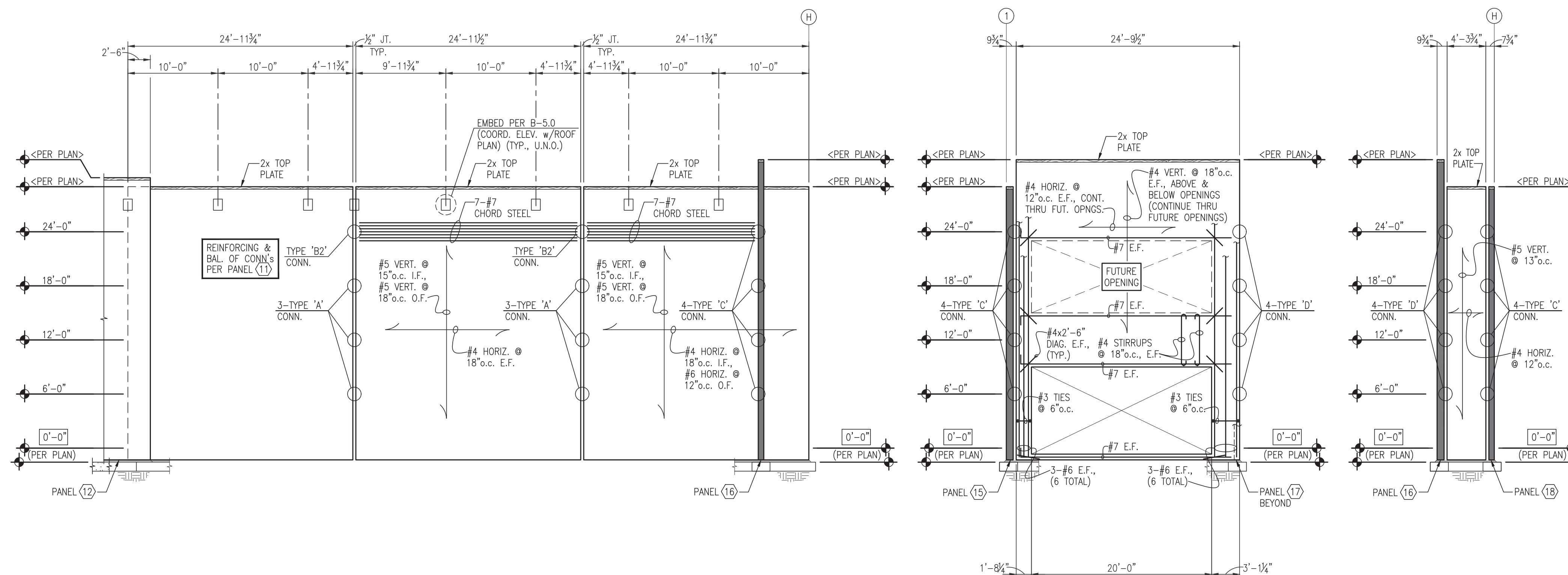
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DATE: 10-11-19
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S6.2



PARTIAL WEST P.C. PANEL ELEVATIONS AT GRID ①
(9 1/4" THICK PANELS w/ 3/4" MAX. REVEALS)

**PARTIAL WEST
P.C. PANEL ELEVATION
9 1/4" EAST OF GRID ①**
(9 1/4" THICK PANEL w/ 3/4" MAX. REVEALS)



PARTIAL WEST P.C. PANEL ELEVATIONS AT GRID ①
(9 1/4" THICK PANELS w/ 3/4" MAX. REVEALS)

**PARTIAL NORTH
P.C. PANEL ELEVATION
5'-0" SOUTH OF GRID ①**
(9 1/4" THICK PANEL w/ 3/4" MAX. REVEALS)

**PARTIAL WEST
P.C. PANEL ELEVATION
25'-0" EAST OF GRID ①**
(7 1/4" THICK PANEL w/ 3/4" MAX. REVEALS)

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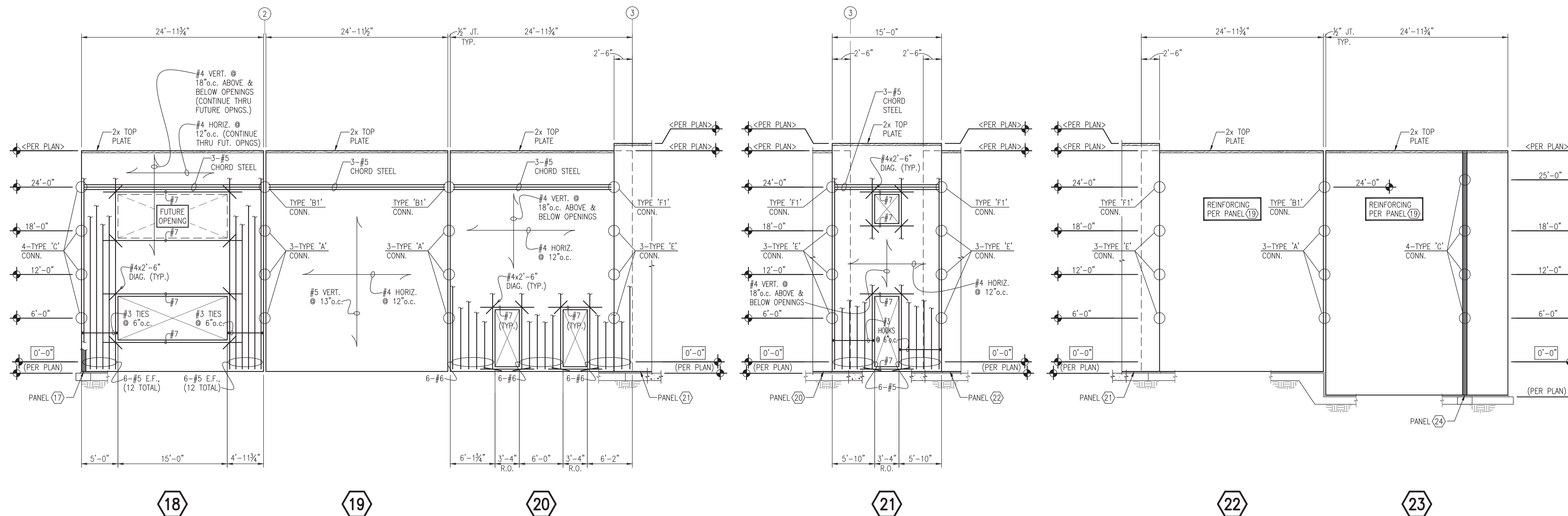
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TITLE: PANEL ELEVATIONS

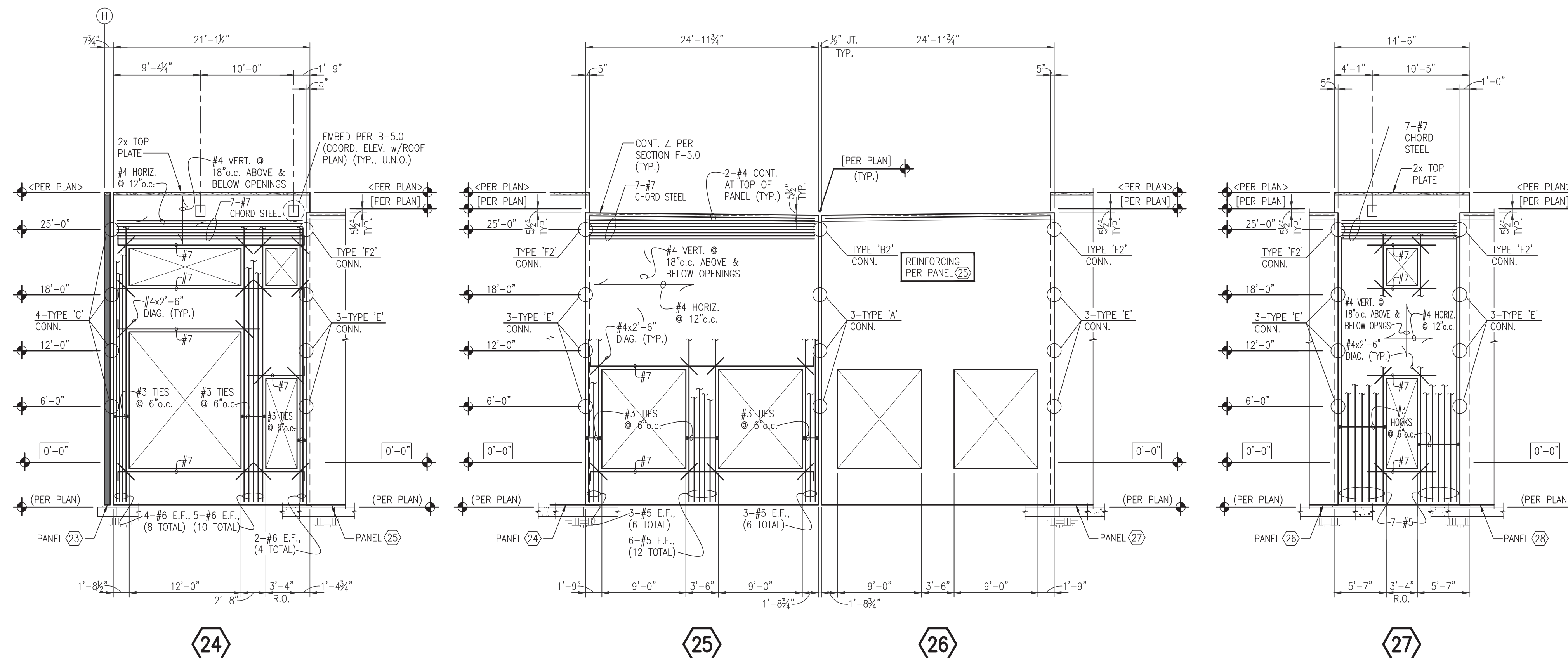
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DATE: 10-11-19
SHEET NO: 11 OF 13



PARTIAL NORTH P.C. PANEL ELEVATIONS AT GRID (H)
(7/4" THICK PANELS w/3/4" MAX. REVEALS)

PARTIAL NORTH P.C. PANEL ELEVATION
7/4" SOUTH OF GRID (H)
(7/4" THICK PANEL w/3/4" MAX. REVEALS)

PARTIAL NORTH P.C. PANEL ELEVATIONS AT GRID (H)
(7/4" THICK PANELS w/3/4" MAX. REVEALS)



PARTIAL EAST
P.C. PANEL ELEVATION
7/4" WEST OF GRID (4)
(7/4" THICK PANEL w/3/4" MAX. REVEALS)

PARTIAL EAST P.C. PANEL ELEVATIONS AT GRID (4)
(7/4" THICK PANELS w/3/4" MAX. REVEALS)

PARTIAL EAST
P.C. PANEL ELEVATION
7/4" WEST OF GRID (4)
(7/4" THICK PANEL w/3/4" MAX. REVEALS)

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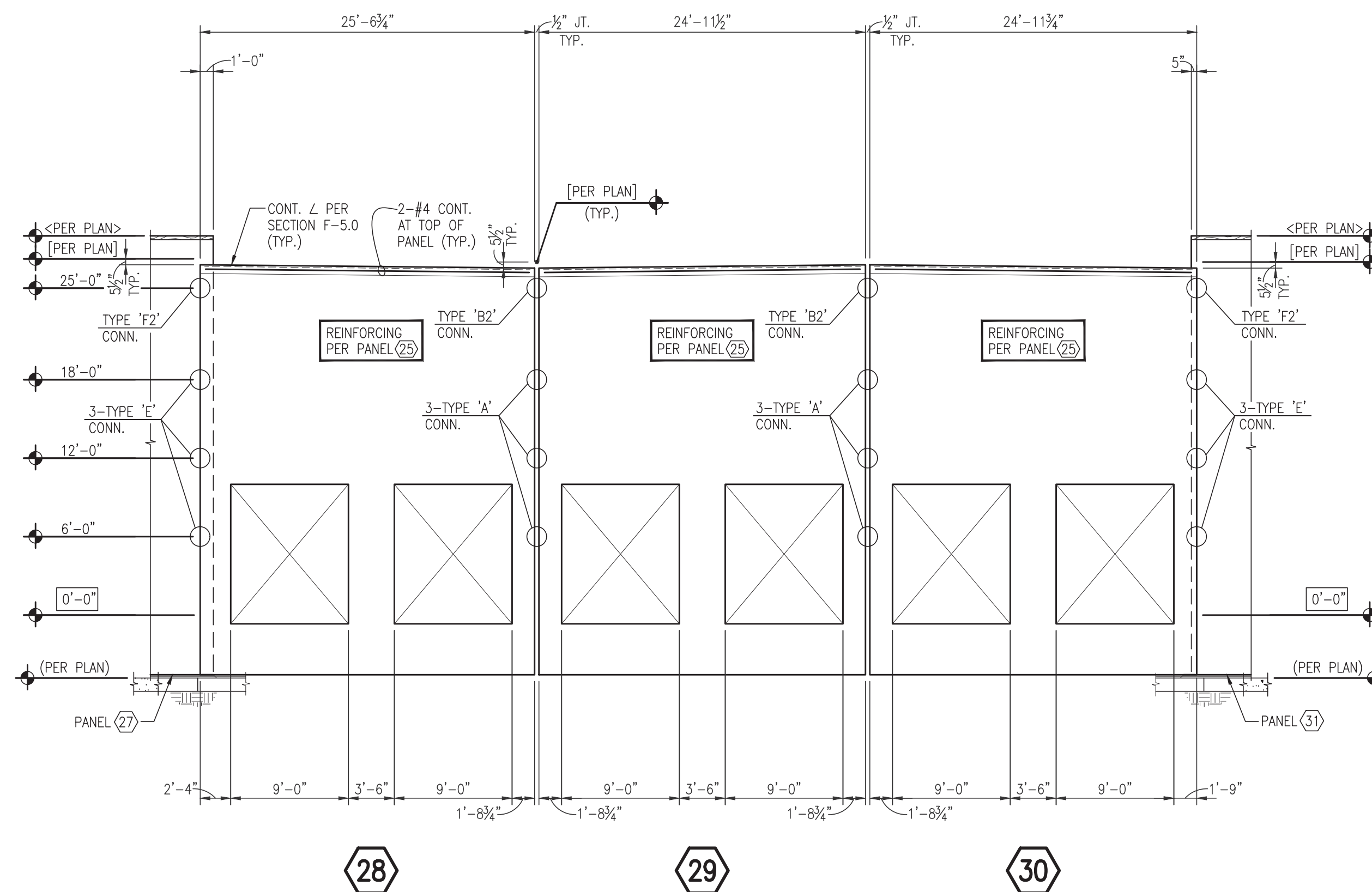
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TITLE: PANEL ELEVATIONS

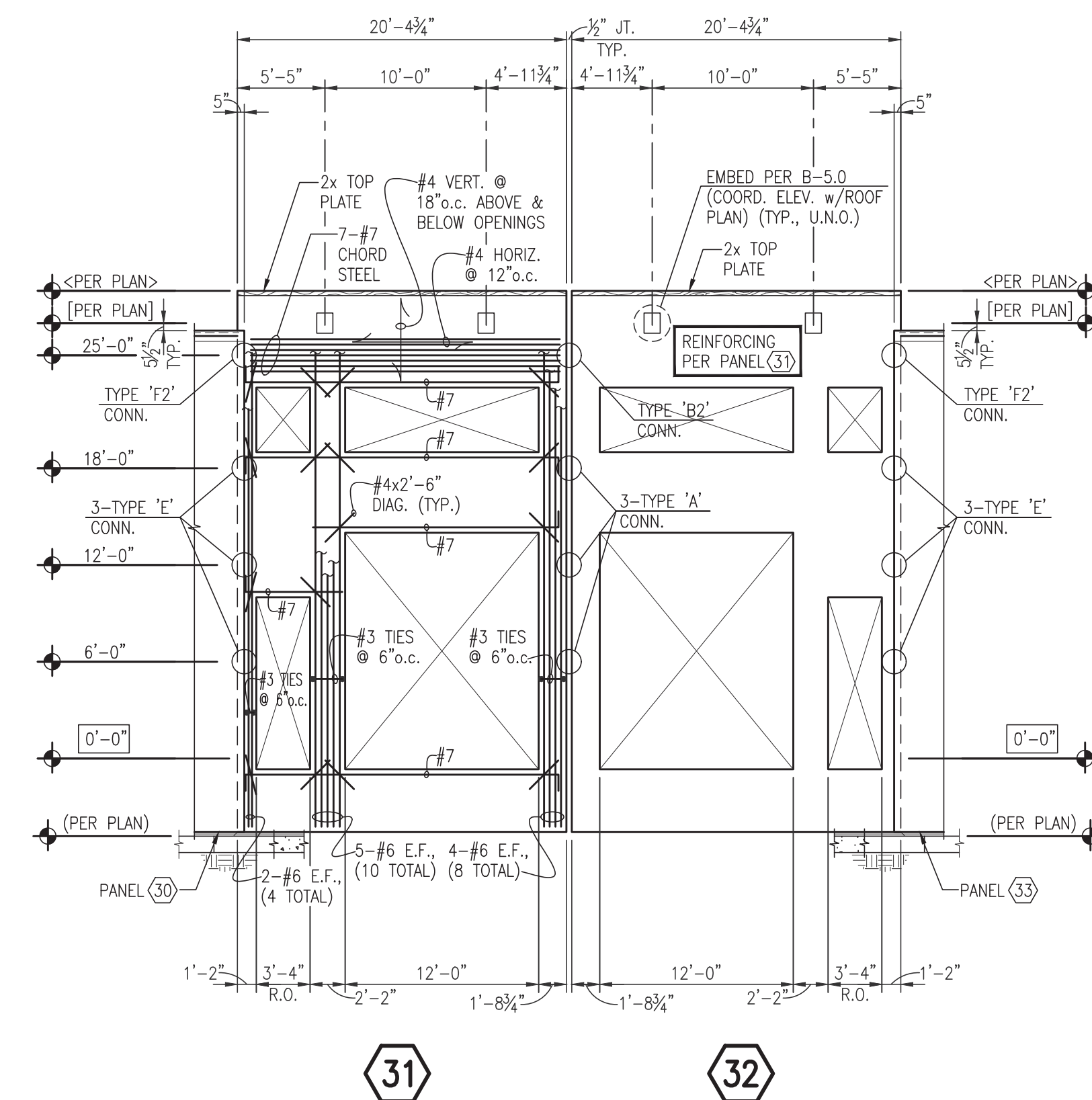
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PROJECT NO: 18-40	SHEET NO: 12 OF 13

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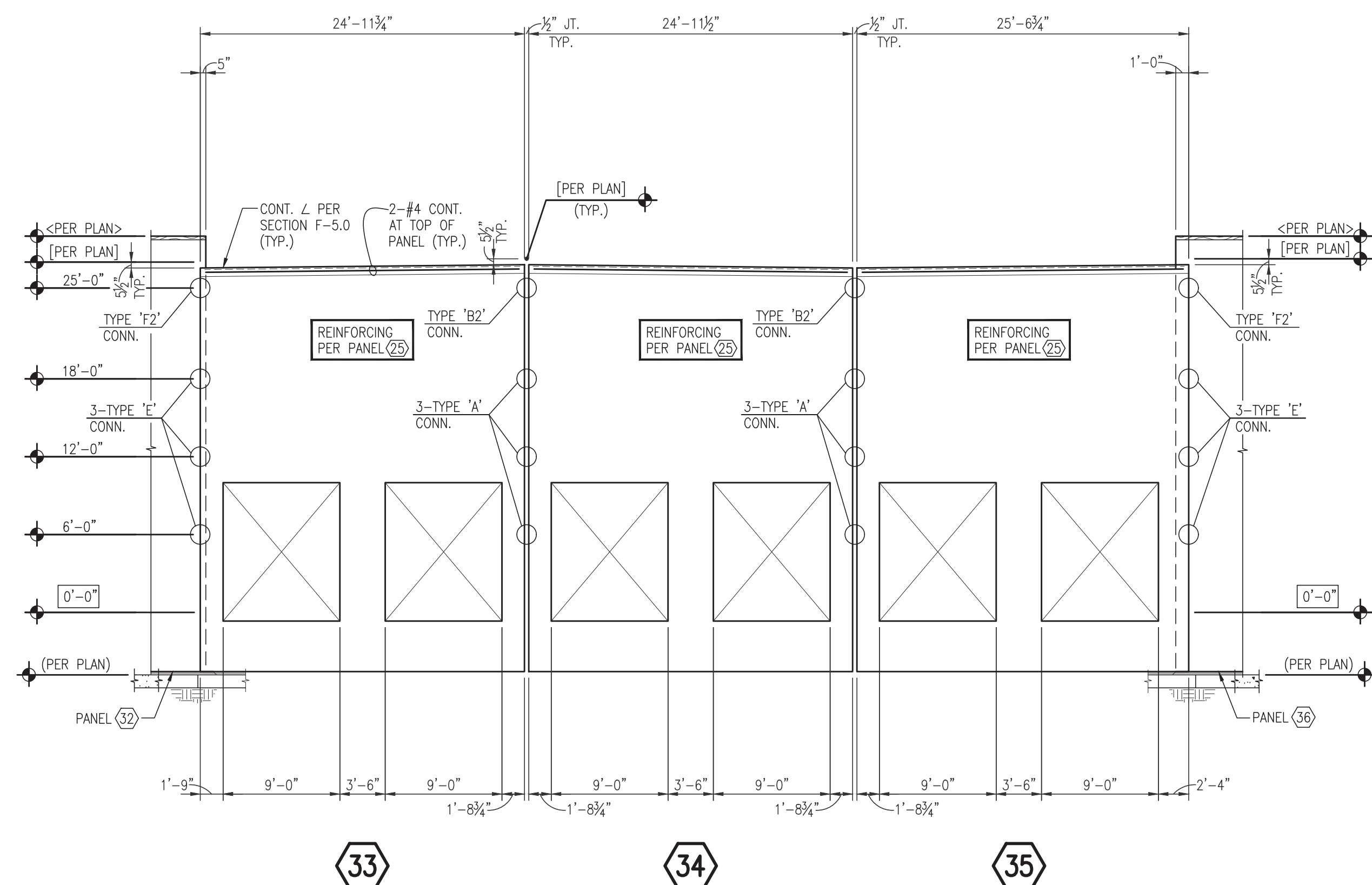
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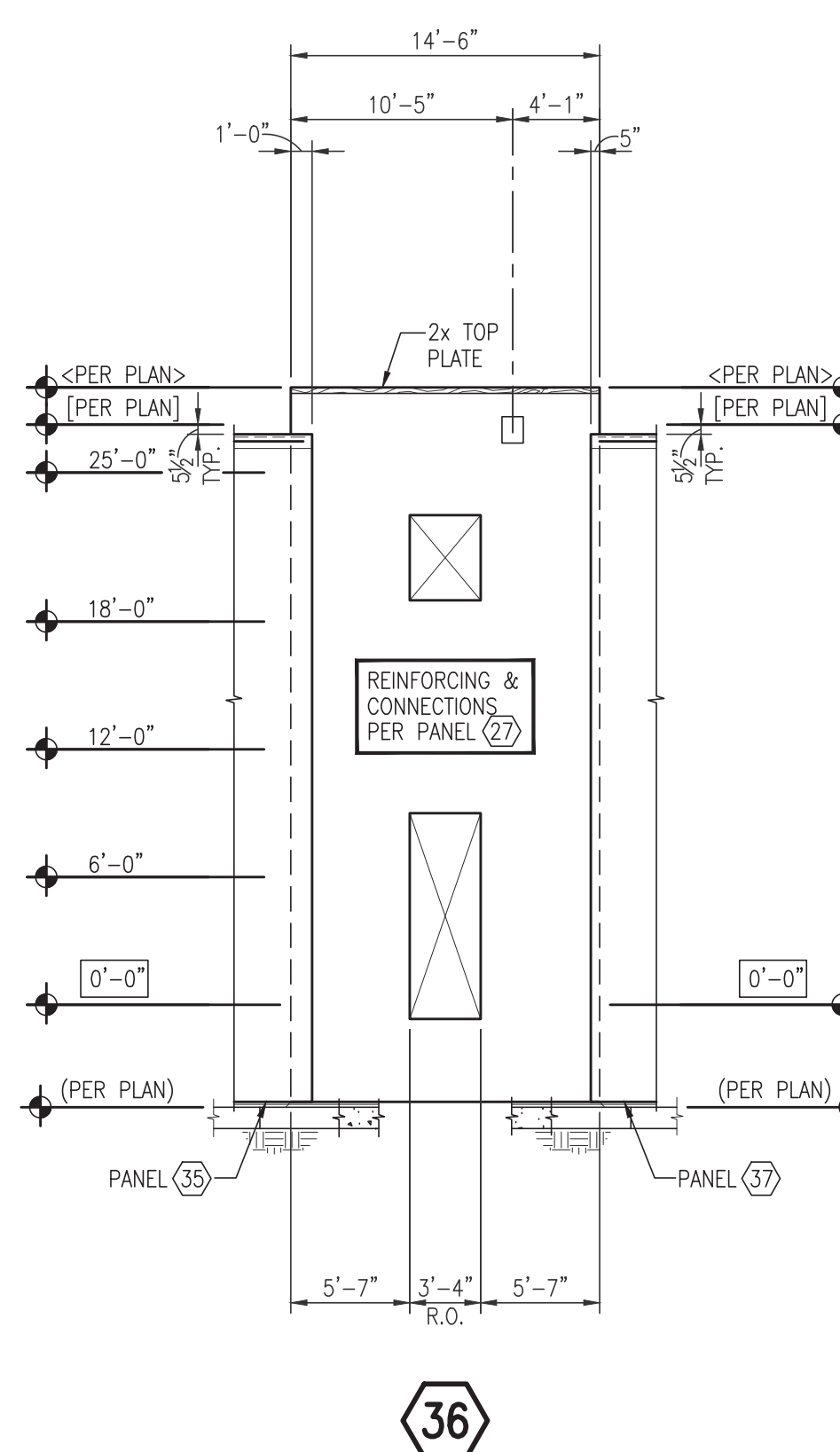
PARTIAL EAST P.C. PANEL ELEVATIONS AT GRID ④
(7/4" THICK PANELS w/3/4" MAX. REVEALS)



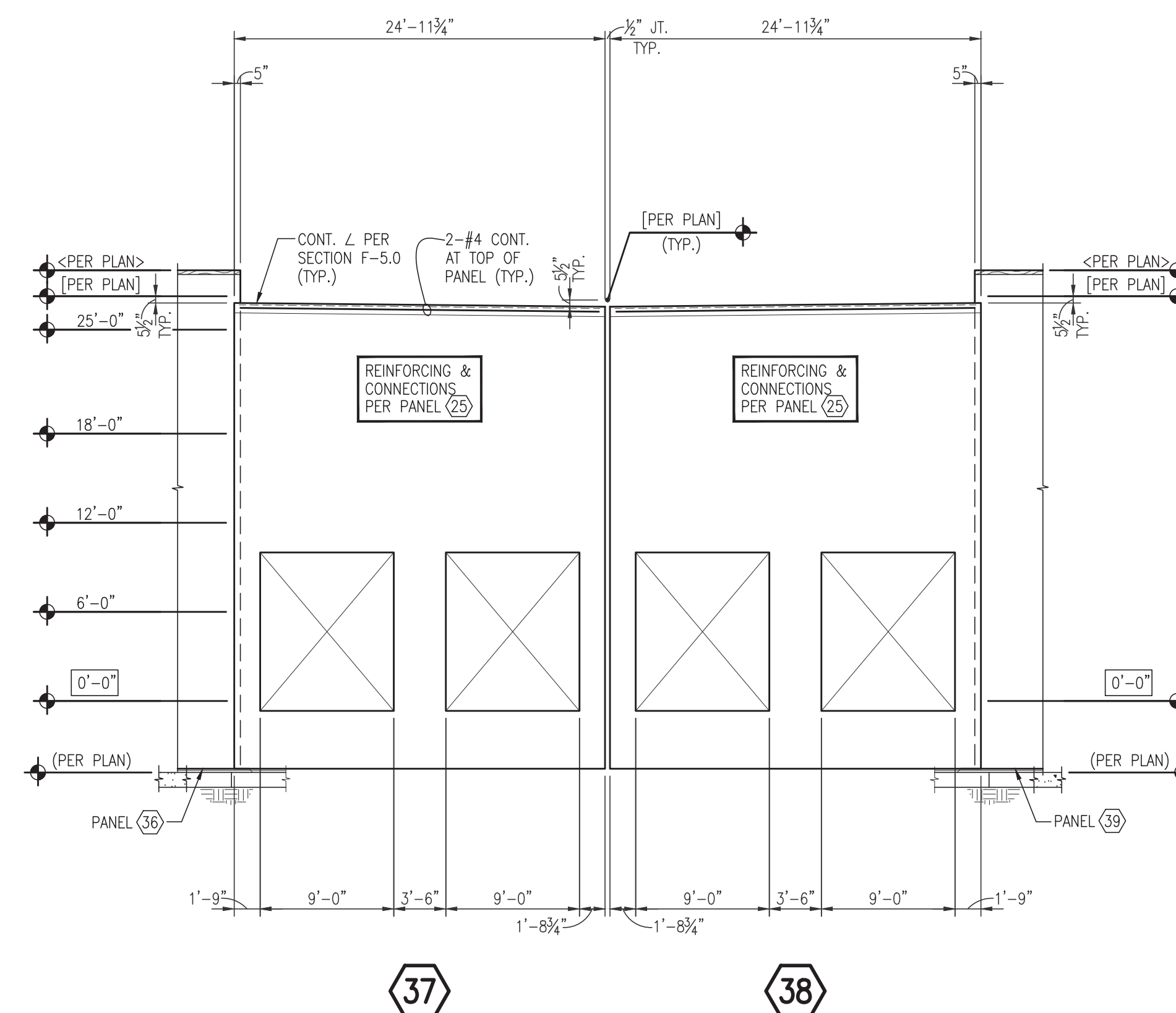
PARTIAL EAST P.C. PANEL
ELEVATIONS 7/4" WEST OF GRID ④
(7/4" THICK PANELS w/3/4" MAX. REVEALS)



PARTIAL EAST P.C. PANEL ELEVATIONS AT GRID ④
(7/4" THICK PANELS w/3/4" MAX. REVEALS)



PARTIAL EAST
P.C. PANEL ELEVATION
7/4" WEST OF GRID ④
(7/4" THICK PANEL w/3/4" MAX. REVEALS)



PARTIAL EAST P.C. PANEL ELEVATIONS AT GRID ④
(7/4" THICK PANELS w/3/4" MAX. REVEALS)

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13 OF 13

