

SECOMA FENCE PUGET SOUND ENERGY PUYALLUP TRAINING CENTER

FENCE SYSTEM SUBMITTAL

8'H, GUARDIAN 1000, SECURIFOR 4D

DATE: 06 FEBRUARY, 2025

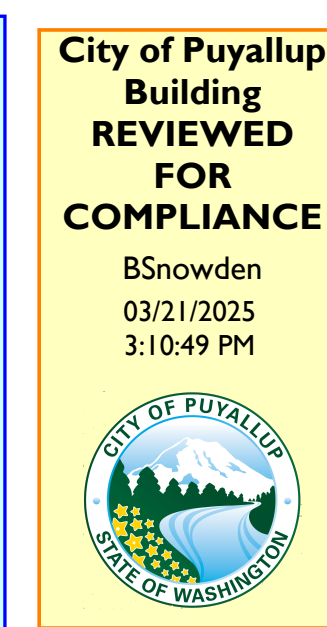
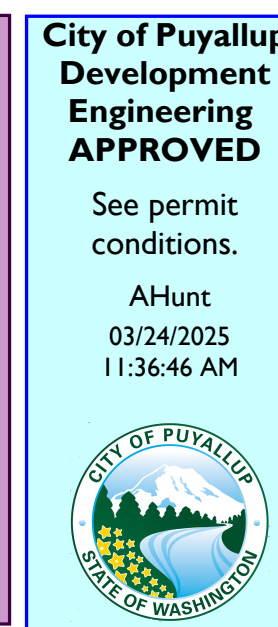
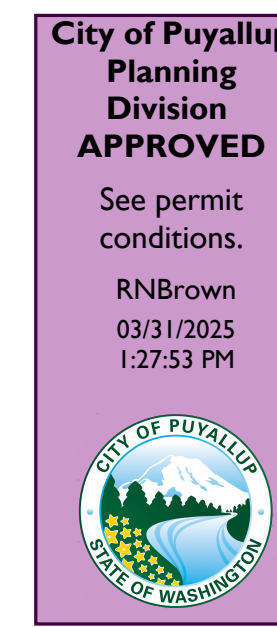
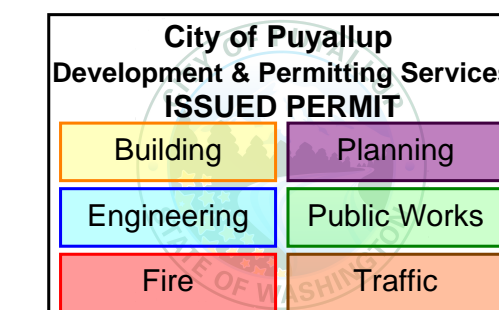
FS8944

PUYALLUP, WA

Guardiar

Ennis, TX 75119
3309 S. Interstate 45
972-878-7000
Fax: 214-887-4552
Toll: 888-650-4766
www.Guardiar.com

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The approved construction plans, documents, and all engineering must be posted on the job at all inspections in a visible and readily accessible location.
Full sized legible color plans are required to be provided by the permittee on site for inspection.
Approval of submitted plans is not an approval of omissions or oversights by this office or non compliance with any applicable regulations of local government. The contractor is responsible for making sure that the building complies with all applicable codes and regulations of the local government.

PRFN20241253
Revision 1

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3309 S. I-45 ENNIS, TX 75119
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REV	DATE	DESCRIPTION	BY
R5	06-FEB-25	MOVED GANT GATE TO SEP. SUBMITTAL. UPDATE PER PE	TUR
R4	28-JAN-25	REMOVE GATE E. ADD FENCE AT TRANSFORMERS PER CLIENT	TUR
R3	23-JAN-25	REDUCED GANT GATE INSET PER CLIENT REQ	TUR
R2	08-JAN-25	GATE CHANGES PER CLIENT REQUEST	TUR
R1	27-DEC-24	UPDATED PER CLIENT MARKUPS	TUR

TITLE SHEET		HOT DIP GALVANIZED	
SYSTEM FINISH			
PROJECT	PUYALLUP TR CTR	DRAFTER	TUR
CUSTOMER	PUGET SOUND ENERGY	REVIEWER	
HS#	FS8944	DATE	22-OCT-24
QUOTE#			

SHEET NO.
1.00

SHEET INDEX

REV.	DATE	SHEET	DESCRIPTION
△	06-FEB-25	1.00	TITLE SHEET
△	06-FEB-25	1.01	INDEX SHEET
△	08-JAN-25	2.00	SITE LAYOUT
		3.00	8'H SECURIFOR 4D TYPICAL ELEVATION
		3.01	TYPICAL ELEVATION FOLLOWING SLOPE
		4.00	GUARDIAN 1000 TYPICAL DETAILS
		5.00	NOT USED
△	08-JAN-25	5.01	4'W X 8'H MAN GATE EGRESS ONLY TYPICAL
△	06-FEB-25	5.22	14'W X 8'H DBL SWING GATE TYPICAL
△	28-JAN-25	5.30	REMOVED
△	06-FEB-25	6.00	MOVED TO SEPARATE SUBMITTAL
△	06-FEB-25	6.01	MOVED TO SEPARATE SUBMITTAL
△	06-FEB-25	6.02	MOVED TO SEPARATE SUBMITTAL
		7.00	NOT USED
		7.10	TYPICAL POST DETAIL
		8.00	UNIONS & JIG
		9.00	HARDWARE
△	06-FEB-25	9.10	MOVED TO SEPARATE SUBMITTAL

ABBREVIATIONS

CL	CENTERLINE
CLR	CLEAR
DIA	DIAMETER
EXT	EXTRERIOR
FT	FEET
GA	GAUGE
GALV	GALVANIZED
H	HIGH
ID	INSIDE DIAMETER
IN	INCH
INT	INTERIOR
LB	POUND
MAX	MAXIMUM
NTS	NOT TO SCALE
OA	OVERALL
OC	ON CENTER
OD	OUTSIDE DIAMETER
OPNG	OPENING
OPP	OPPOSITE
R	RADIUS
RCT	RECTANGLE
RMC	RIGID METAL CONDUIT
RND	ROUND
SIM	SIMILAR
SQ	SQUARE
SS	STAINLESS STEEL
TOH	TOP OF HEADER
TS	TUBE STEEL
TYP	TYPICAL
UNO	UNLESS NOTED OTHERWISE
VIF	VERIFY IN FIELD
W	WIDE

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R5	06-FEB-25	MOVED GANT GATE TO SEP. SUBMITTAL, UPDATE PER PE	TUR
R4	28-JAN-25	REMOVE GATE E. ADD FENCE AT TRANSFORMERS PER CLIENT	TUR
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R2	08-JAN-25	GATE CHANGES PER CLIENT REQUEST	TUR
R1	27-DEC-24	UPDATED PER CLIENT MARKUPS	TUR

No proposed footings, posts, or supports shall be constructed on or above any existing public utility connections without first relocating the utility services or protecting it in place.

Call before you dig. It's the law.
Dial 811 or call 1-800-424-5555.

STANDARD MATERIAL SPECIFICATIONS

MATERIALS ARE SUPPLIED ACCORDING TO THE FOLLOWING SPECIFICATIONS UNLESS NOTED OTHERWISE

SQUARE / RECT. STEEL POSTS & BEAMS: ASTM A500 GRADE B
 ROUND STEEL POSTS: ASTM A53 GRADE B
 BRACKET / PLATE / ANGLE STEEL: ASTM A36
 SQUARE RAILS (STEEL): ASTM A513
 ROUND RAILS (SS30/SS40): ASTM F1043
 UNIONS (ALUMINUM): AL6063-T5
 ALUMINUM GATE FRAME MEMBERS: AL6061-T6

FINISH SPECIFICATIONS
 PREGALVANIZED MATERIAL TO CONFORM TO ASTM A653 w/ MINIMUM ZINC COATING WEIGHT 0.60 OZ/FT²
 HOT DIP GALVANIZED MATERIAL TO CONFORM TO ASTM A123
 POWDERCOAT MINIMUM THICKNESS: 2mm

DESIGN CRITERIA

ASCE 7-16
 ULTIMATE WIND SPEED: 97MPH, CAT. II, EXP. C.
 MINIMUM SOIL BEARING CAPACITY: 1,500 PSF
 MINIMUM CONCRETE STRENGTH: 3,000 PSI
 FROST LINE DEPTH: 18"

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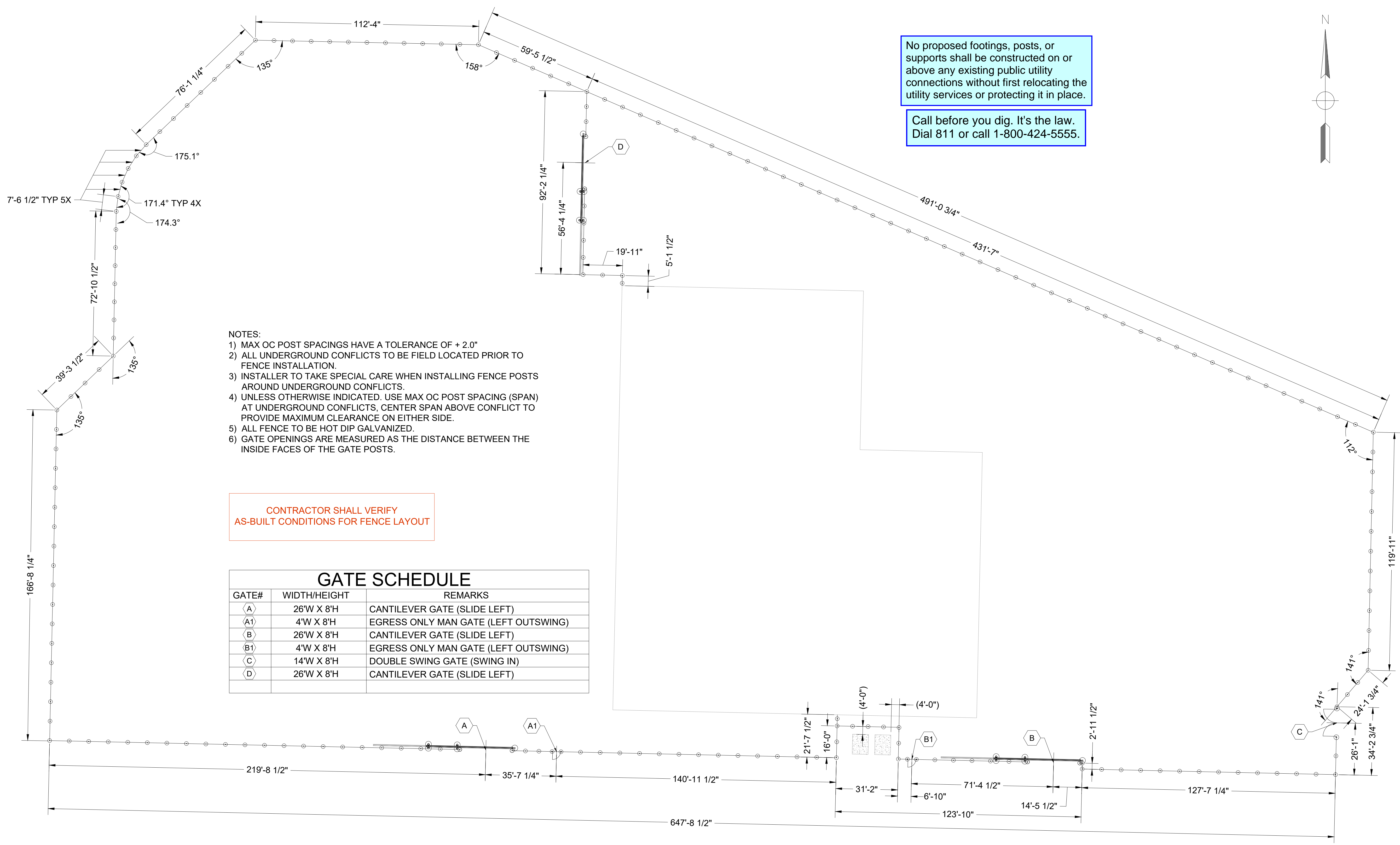
City of Puyallup
Development & Permitting Services
ISSUED PERMIT

Building	Planning
Engineering	Public Works
Fire	Traffic

INDEX SHEET

PROJECT: PUYALLUP TR CTR
 CUSTOMER: PUGET SOUND ENERGY
 HSH: FS8944
 QUOTE#: ----
 DATE: 22-OCT-24
 DRAFTER: REVIEWER: TUR

SYSTEM FINISH: HOT DIP GALVANIZED



- NOTES:**
- 1) MAX OC POST SPACINGS HAVE A TOLERANCE OF + 2.0"
 - 2) ALL UNDERGROUND CONFLICTS TO BE FIELD LOCATED PRIOR TO FENCE INSTALLATION.
 - 3) INSTALLER TO TAKE SPECIAL CARE WHEN INSTALLING FENCE POSTS AROUND UNDERGROUND CONFLICTS.
 - 4) UNLESS OTHERWISE INDICATED, USE MAX OC POST SPACING (SPAN) AT UNDERGROUND CONFLICTS, CENTER SPAN ABOVE CONFLICT TO PROVIDE MAXIMUM CLEARANCE ON EITHER SIDE.
 - 5) ALL FENCE TO BE HOT DIP GALVANIZED.
 - 6) GATE OPENINGS ARE MEASURED AS THE DISTANCE BETWEEN THE INSIDE FACES OF THE GATE POSTS.

CONTRACTOR SHALL VERIFY AS-BUILT CONDITIONS FOR FENCE LAYOUT

GATE SCHEDULE		
GATE#	WIDTH/HEIGHT	REMARKS
A	26'W X 8'H	CANTILEVER GATE (SLIDE LEFT)
A1	4'W X 8'H	EGRESS ONLY MAN GATE (LEFT OUTSWING)
B	26'W X 8'H	CANTILEVER GATE (SLIDE LEFT)
B1	4'W X 8'H	EGRESS ONLY MAN GATE (LEFT OUTSWING)
C	14'W X 8'H	DOUBLE SWING GATE (SWING IN)
D	26'W X 8'H	CANTILEVER GATE (SLIDE LEFT)

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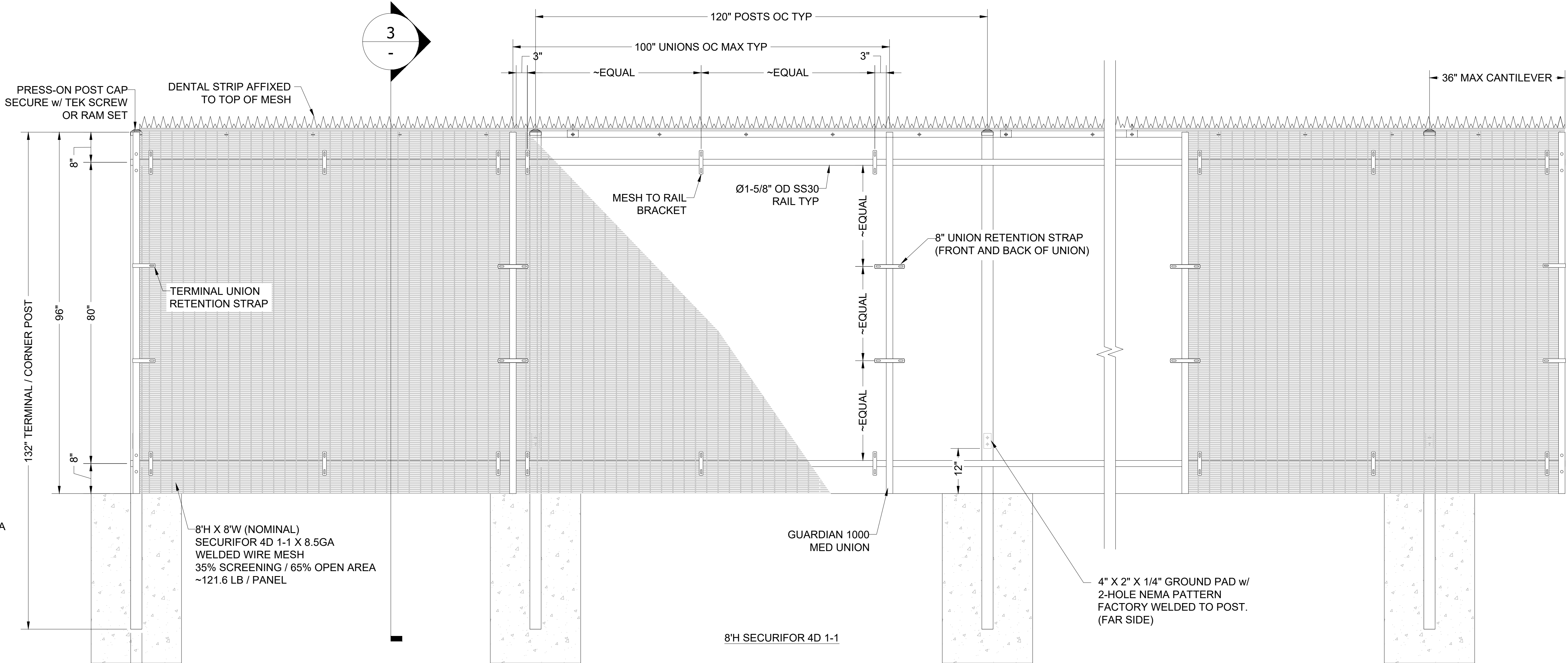
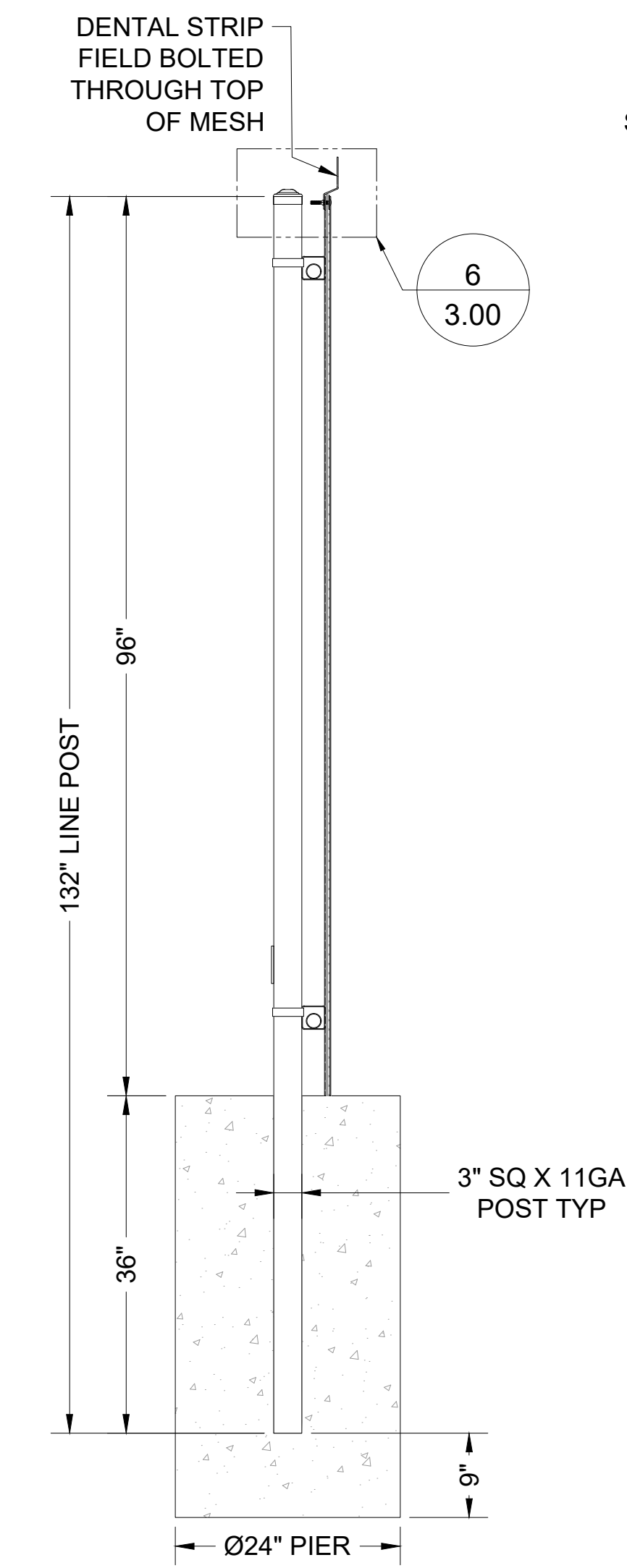
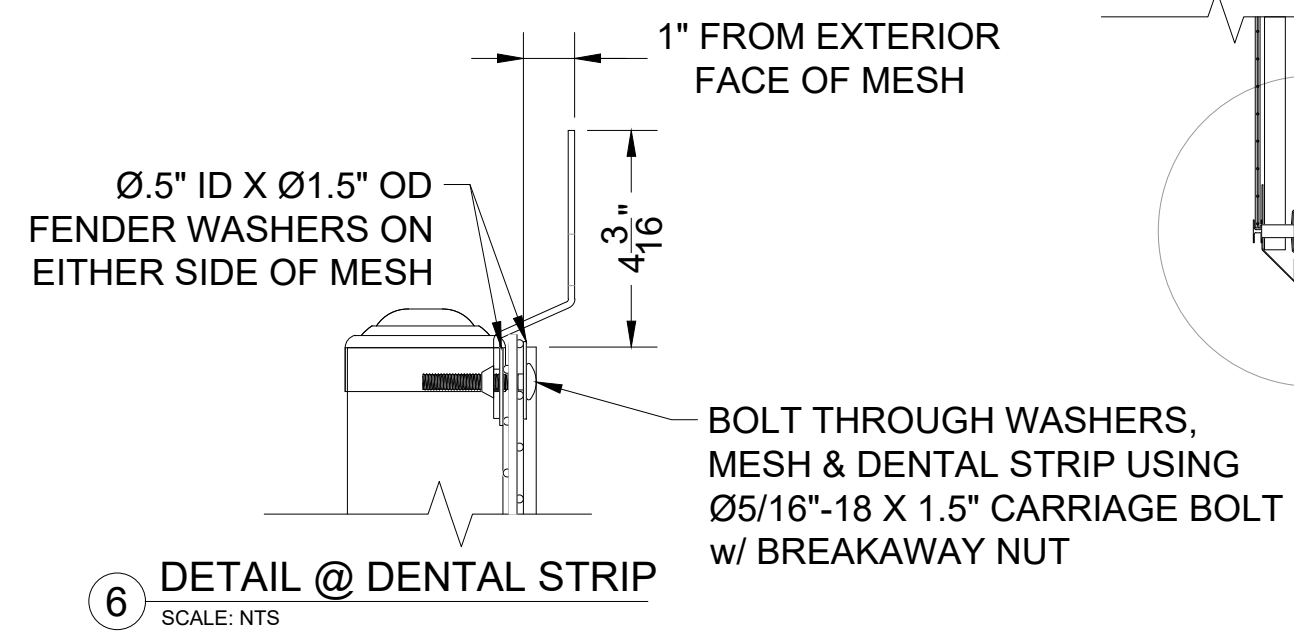
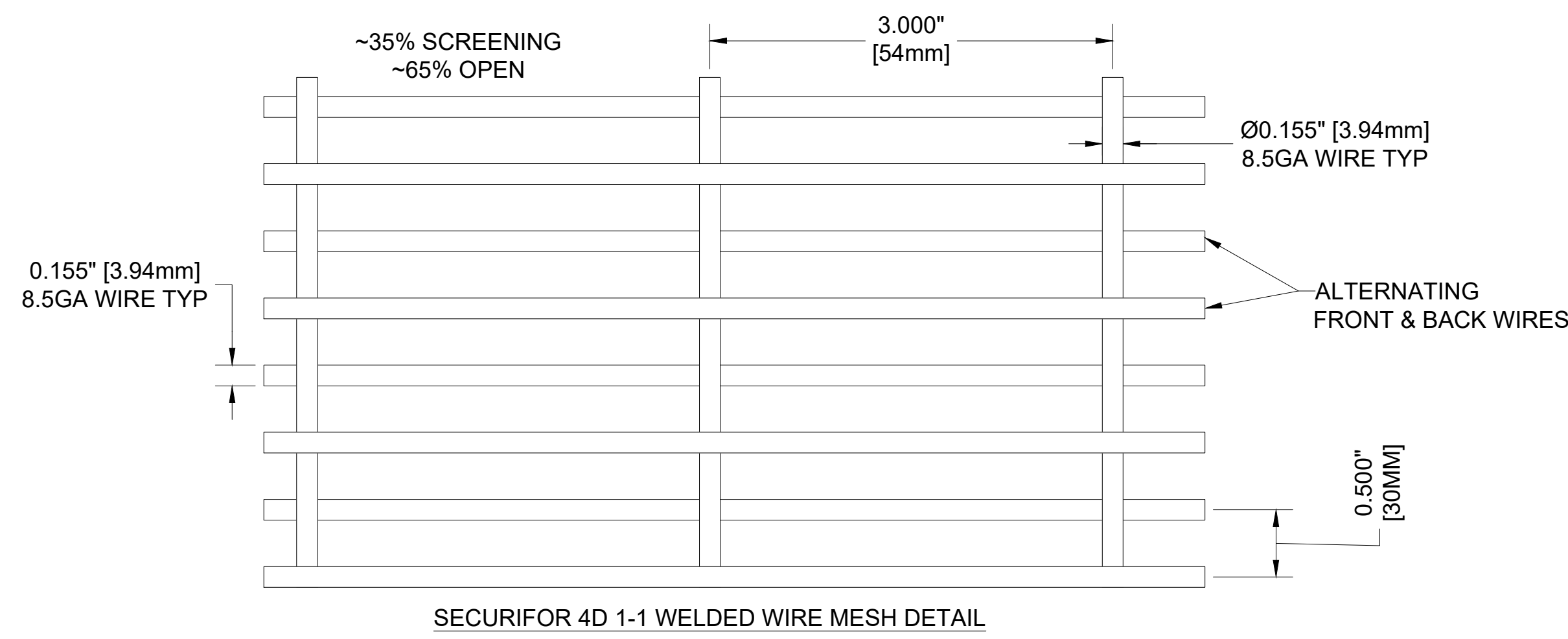
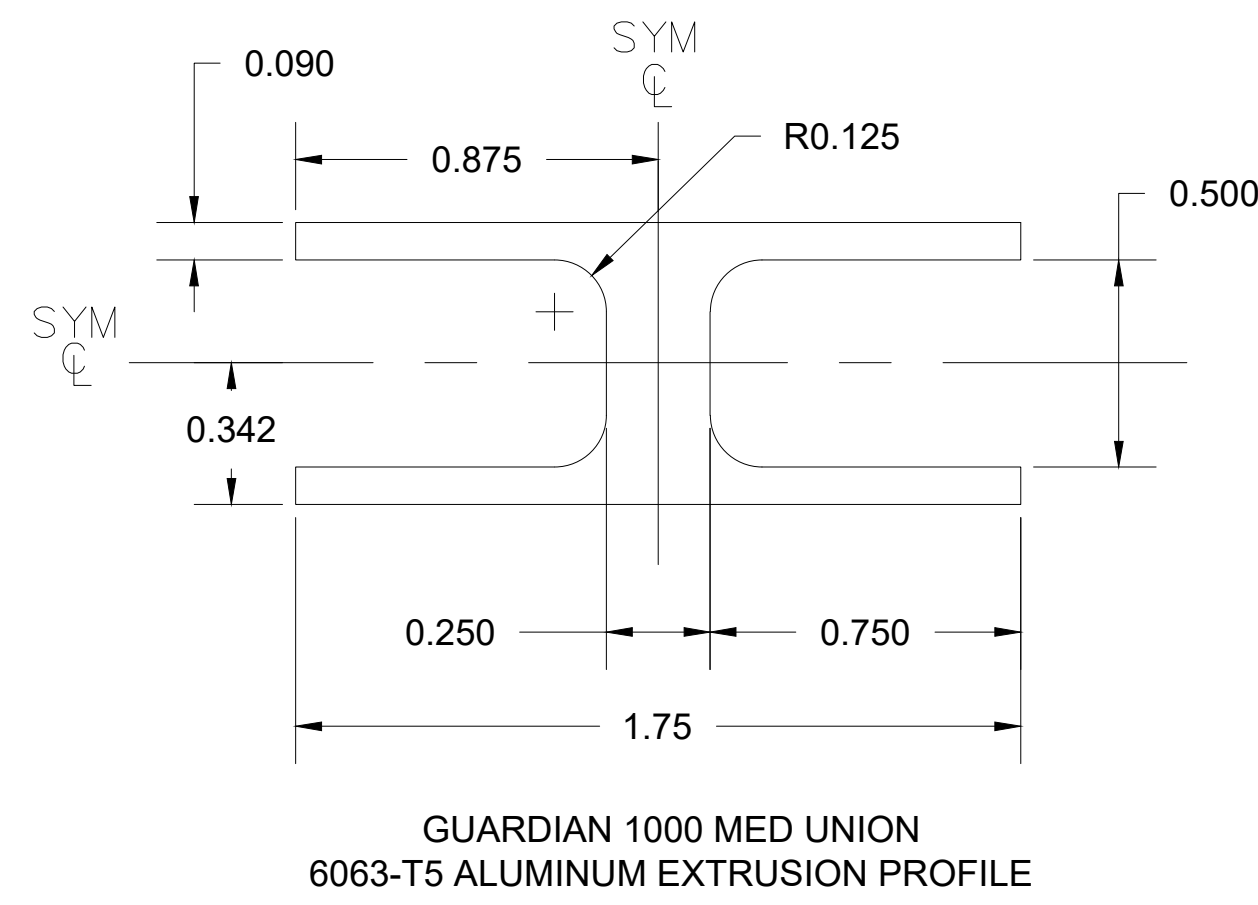
Building	Planning
Engineering	Public Works
Fire	Traffic

REV	DATE	DESCRIPTION	BY
R4	28-JAN-25	REMOVED GATE E, ADDED FENCE AT TRANSFORMERS PER CLIENT TUR	TUR
R3	23-JAN-25	REDUCED GATE INSET PER CLIENT REQ	TUR
R2	08-JAN-25	GATE CHANGES PER CLIENT REQUEST	TUR
R1	27-DEC-24	UPDATED PER CLIENT MARKUPS	TUR

SITE LAYOUT

PROJECT: PUYALLUP TR CTR
CUSTOMER: PUGET SOUND ENERGY
HS# FS8944
QUOTE# ----
DATE: 22-OCT-24
DRAFTER: REVIEWER: TUR

SYSTEM FINISH: HOT DIP GALVANIZED



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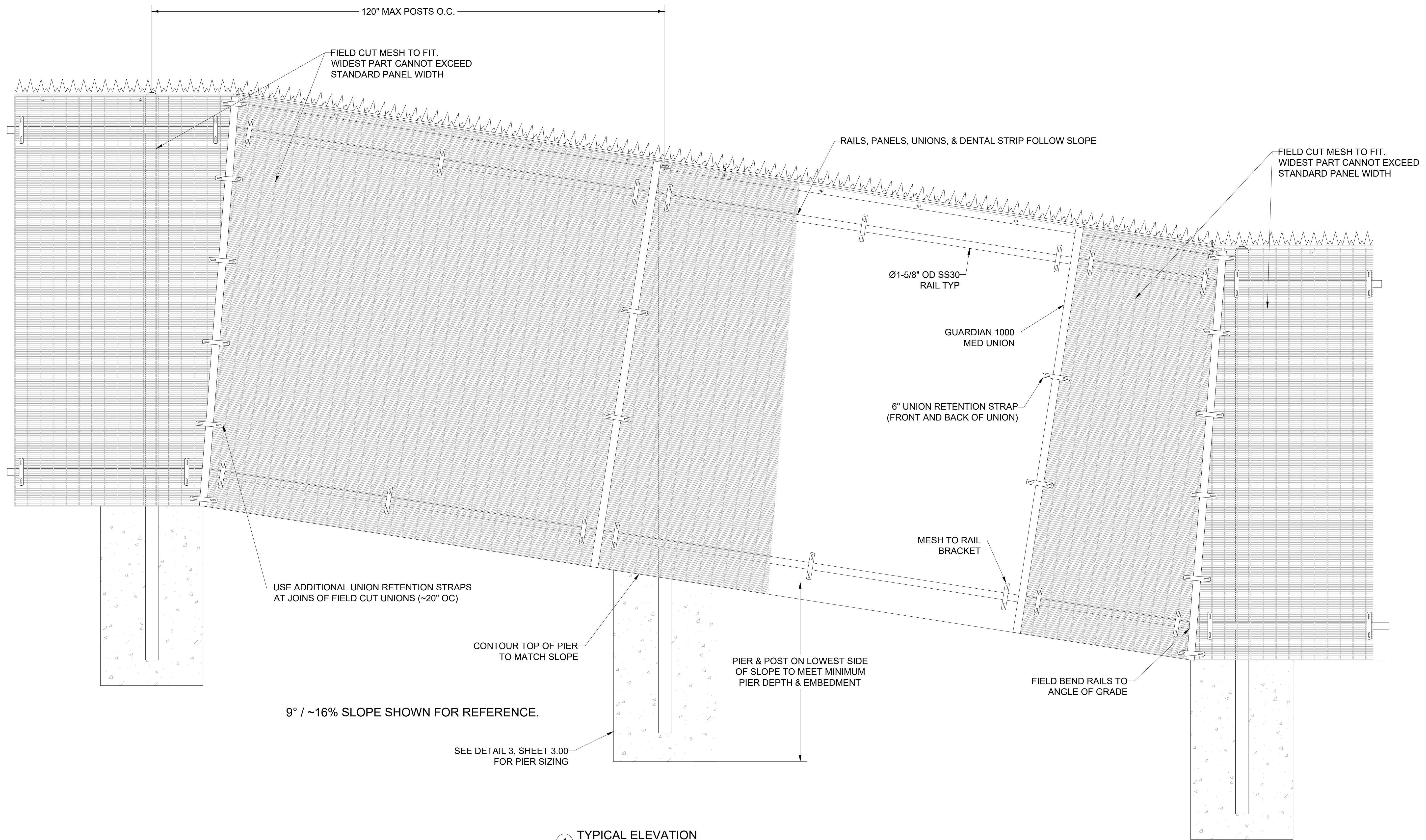
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REV	DATE	DESCRIPTION	BY
R2	22-OCT-24	UPDATED STANDARD PIER DEPTH PER PE REVIEW	TJR
R1	16-JAN-24	CHANGED TERMINATIONS TO USE THROUGH BOLT	TJR

TYPICAL ELEVATION
SYSTEM FINISH: HOT DIP GALVANIZED

PROJECT	PSE TYPICAL
CUSTOMER	PUGET SOUND ENERGY
QUOTE#	HS# TYPICAL
DATE	DRAFTER: REVIEWER
26-JUL-23	TJR

SHEET NO.
3.00



1 TYPICAL ELEVATION
SCALE: NTS

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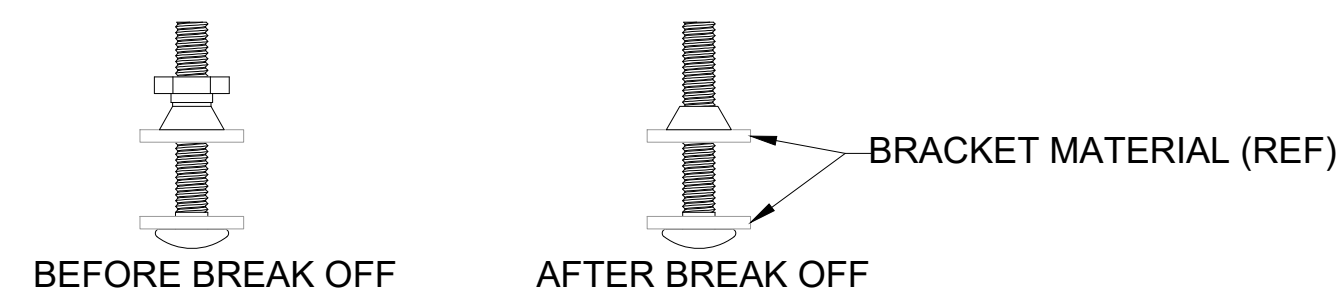
REV	DATE	DESCRIPTION	BY
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

TYPICAL ELEVATION FOLLOWING SLOPE
SYSTEM FINISH: HOT DIP GALVANIZED

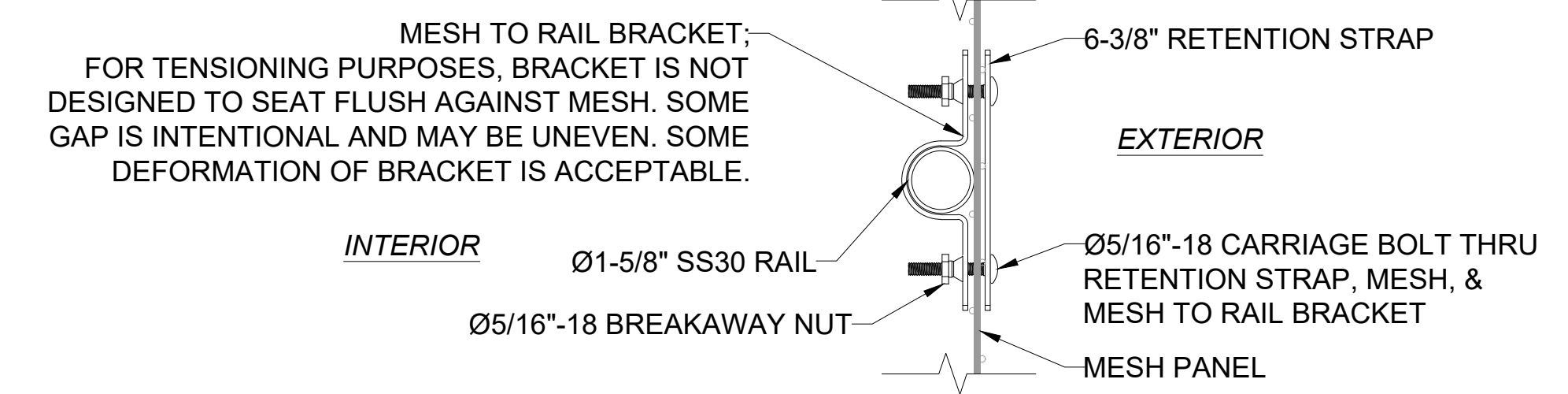
PROJECT	PSE TYPICAL
CUSTOMER	FUGET SOUND ENERGY
HS#	TYPICAL
QUOTE#	----
DATE	26-JUL-23
DRAFTER	TJR
REVIEWER	-

SHEET NO.
3.01

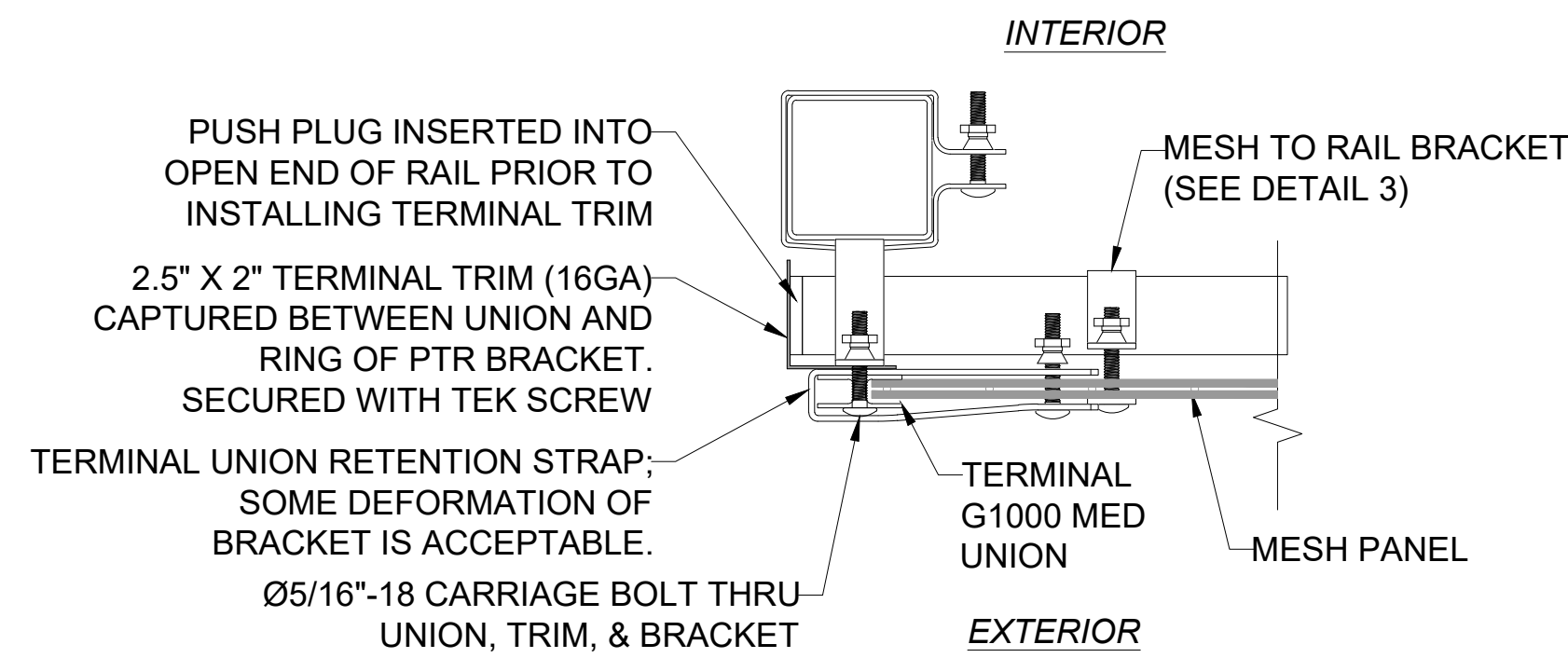
NOTE:
BREAKAWAY NUTS ARE SHOWN WITH THE NUT STILL INTACT FOR REFERENCE ONLY.
ALL BREAKAWAY NUTS ARE TO BE SPUN OFF PRIOR TO INSTALLATION COMPLETION



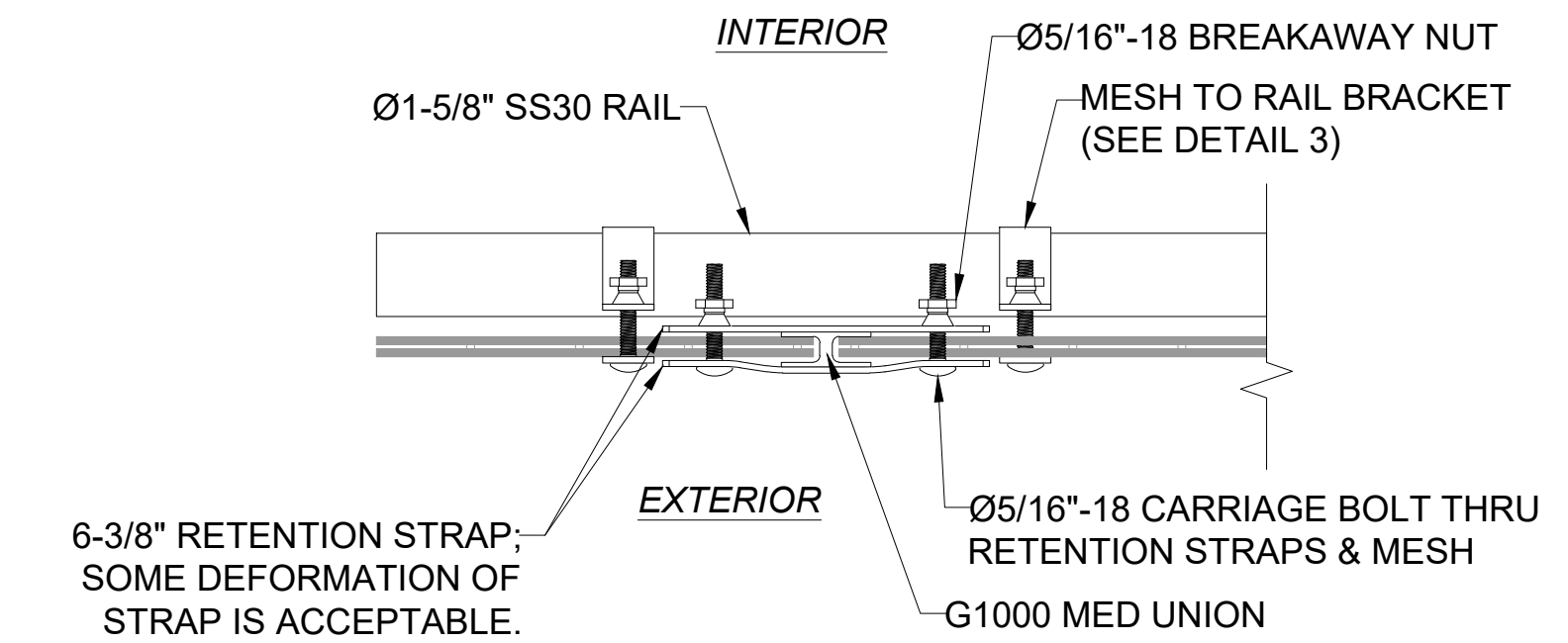
THIS SHEET IDENTIFIES TYPICAL INSTALLATION CONFIGURATIONS.
EACH PROJECT IS DIFFERENT AND, DEPENDING UPON FENCE
LAYOUT, SOME DETAILS MAY NOT APPLY.



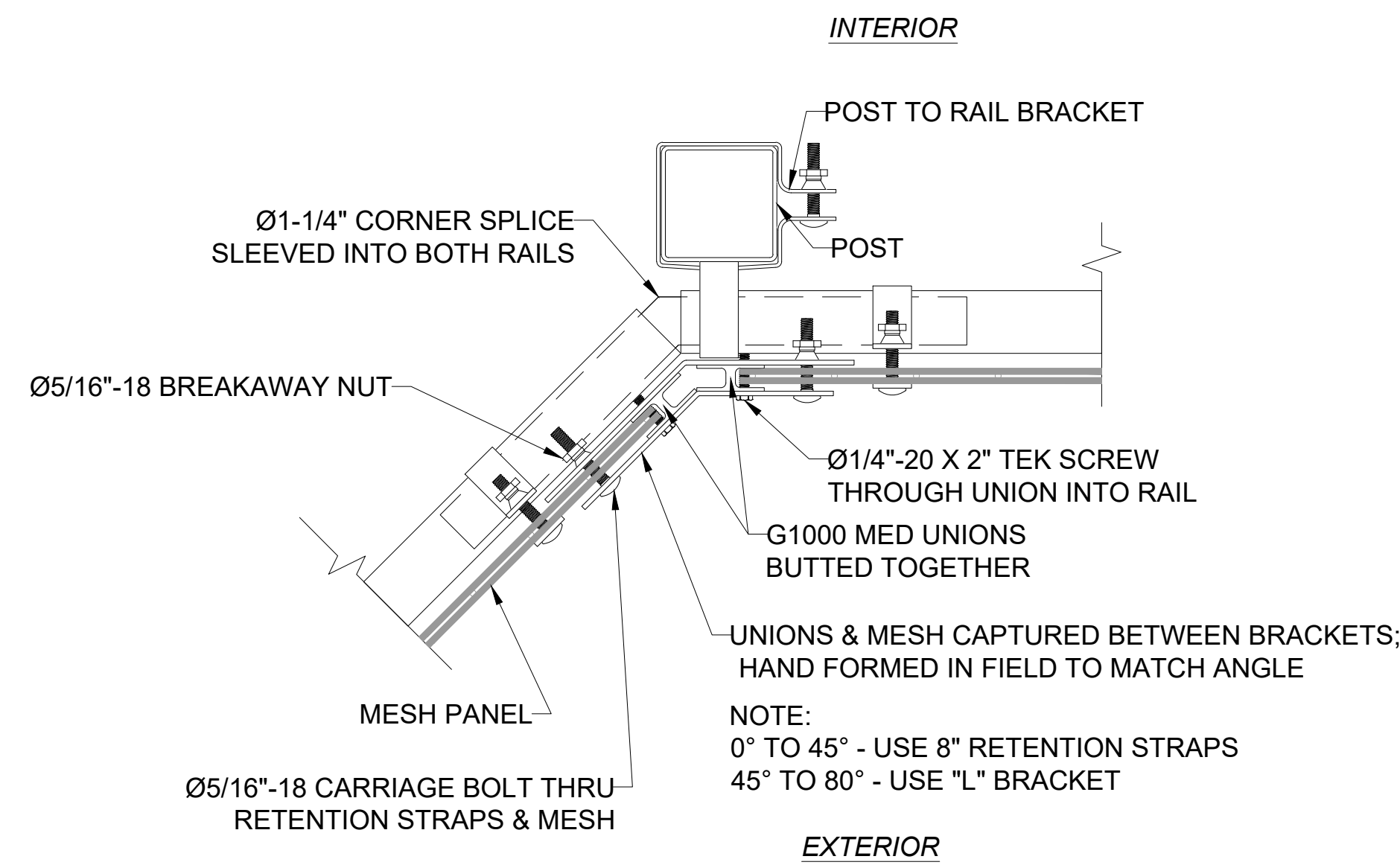
3 GUARDIAN 1000 MESH TO RAIL ATTACHMENT
SCALE: NTS



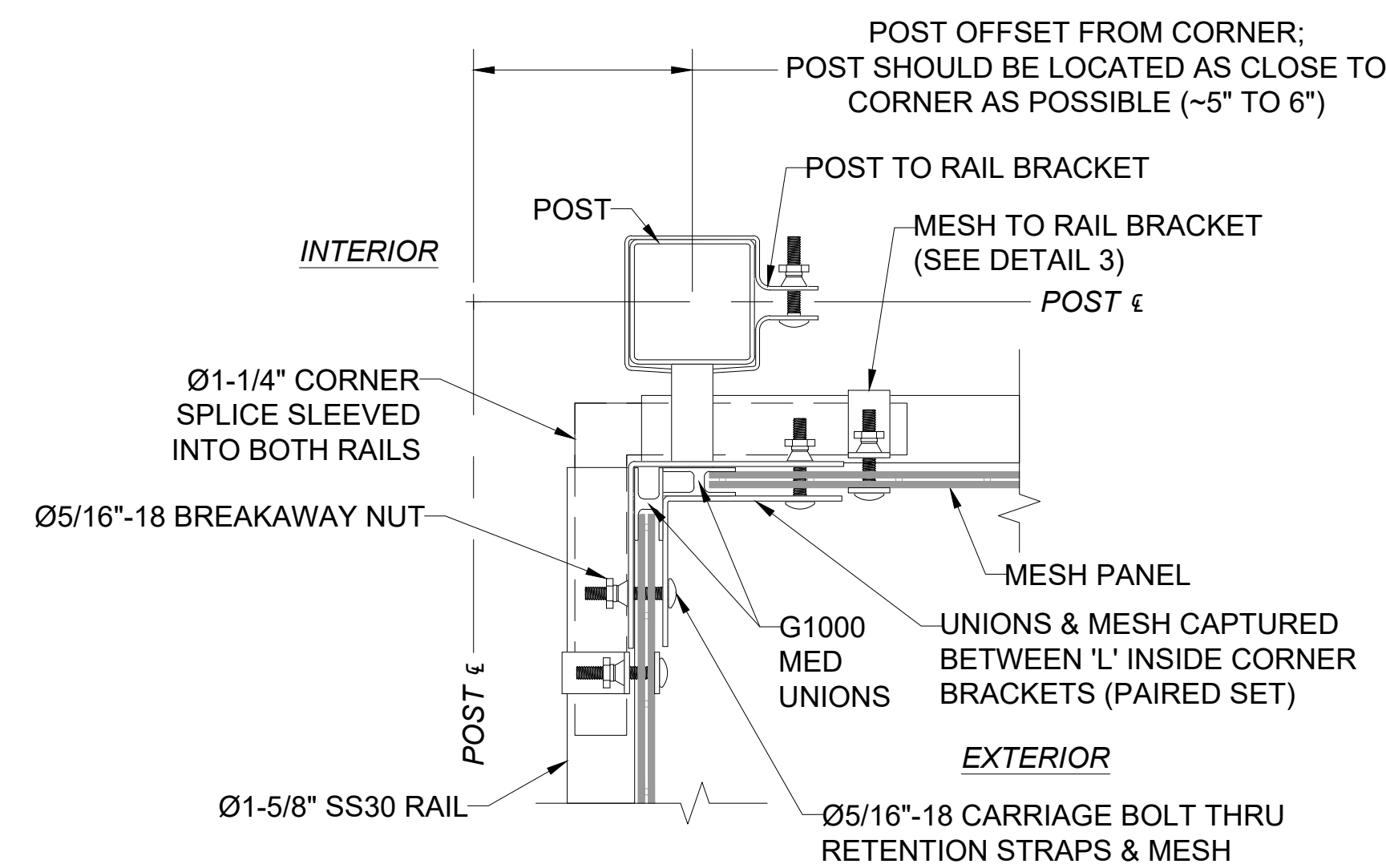
6 TERMINATION DETAIL
SCALE: NTS



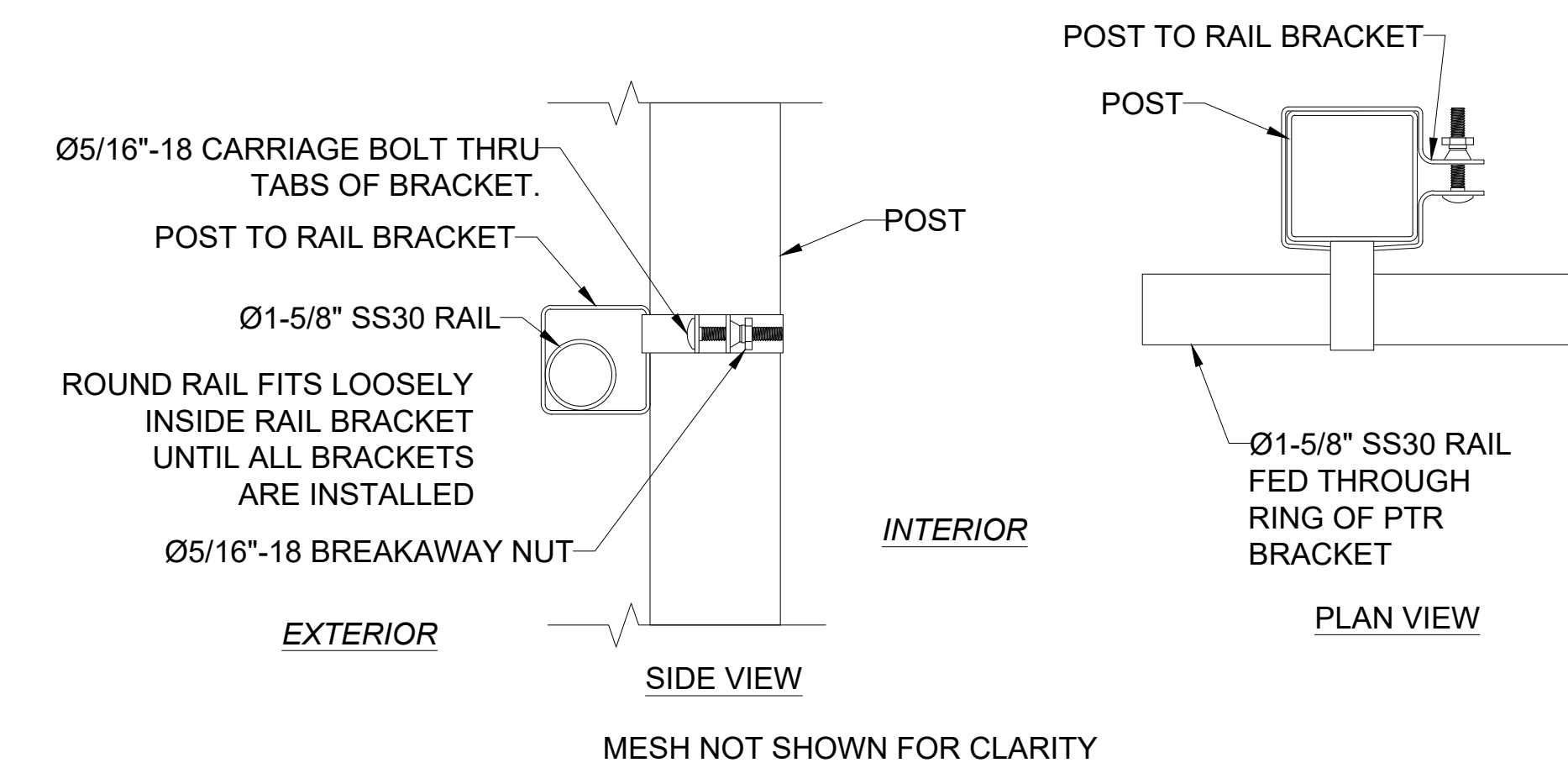
2 GUARDIAN 1000 UNION RETENTION STRAP DETAIL
SCALE: NTS



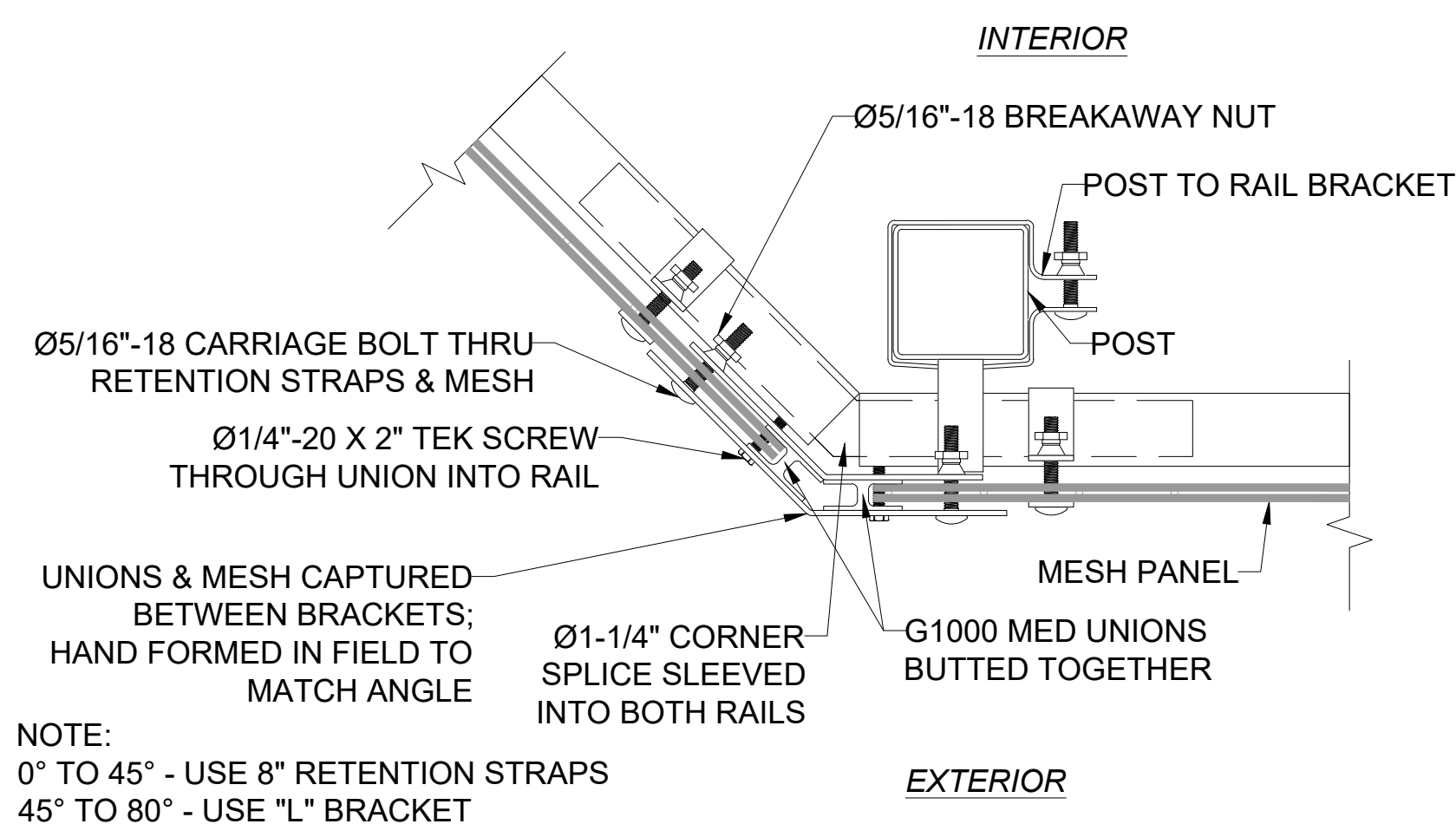
8 INSIDE ANGLED SPLICED CORNER DETAIL
SCALE: NTS



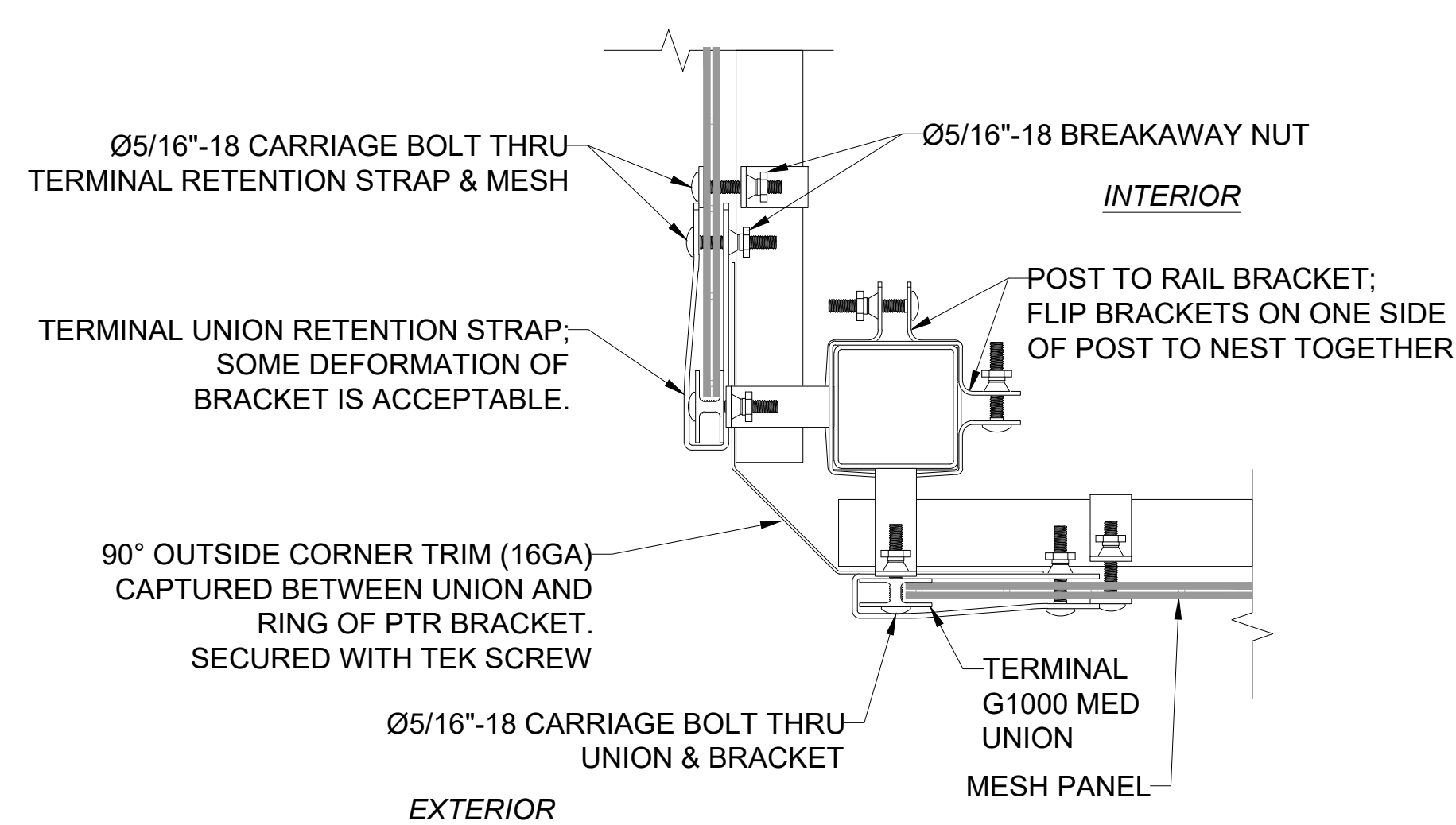
5 90° INSIDE CORNER DETAIL
SCALE: NTS



1 POST TO RAIL BRACKET DETAIL
SCALE: NTS



7 OUTSIDE ANGLED SPLICED CORNER DETAIL
SCALE: NTS



4 90° OUTSIDE CORNER DETAIL
SCALE: NTS

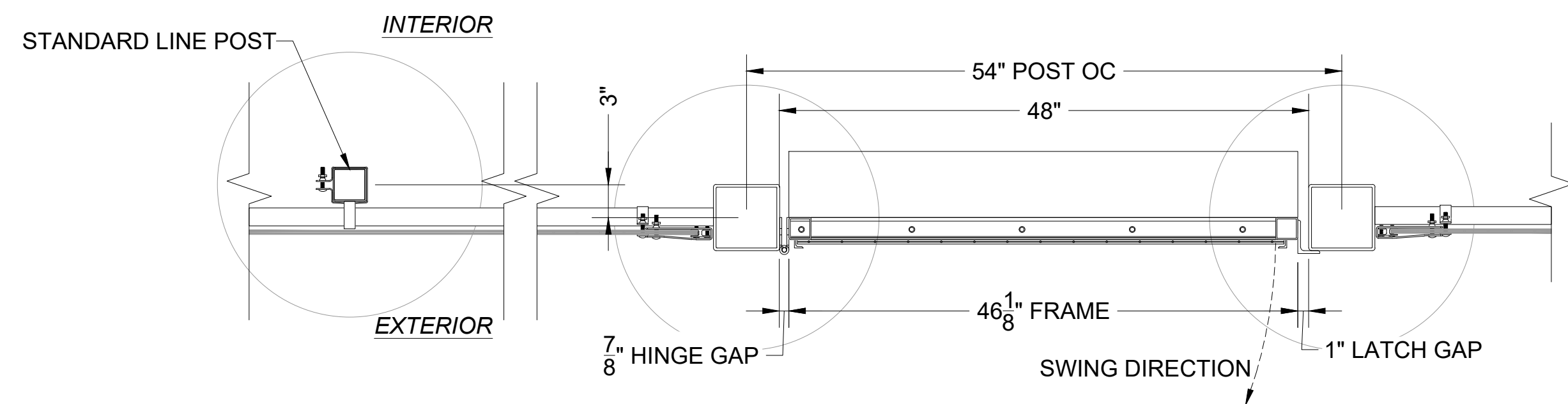
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Fire	Traffic

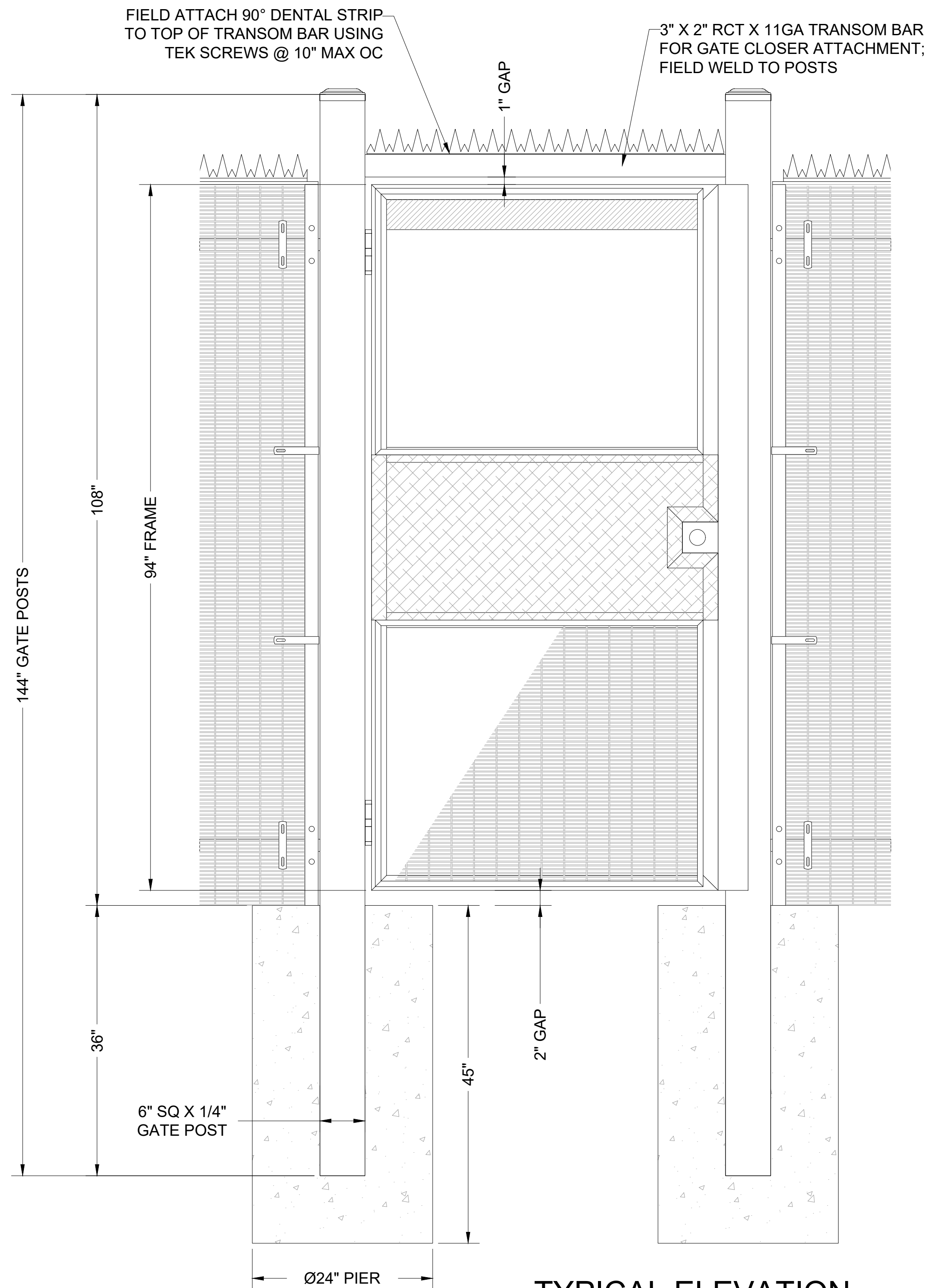
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REV	DATE	DESCRIPTION
R1	16-JAN-24	CHANGED TERMINATIONS TO USE THROUGH BOLT

PROJECT	PSE TYPICAL
CUSTOMER	PUGET SOUND ENERGY
HS#	TYPICAL
QUOTE#	---
DATE	DRAFTER REVIEWER
26-JUL-23	TJR

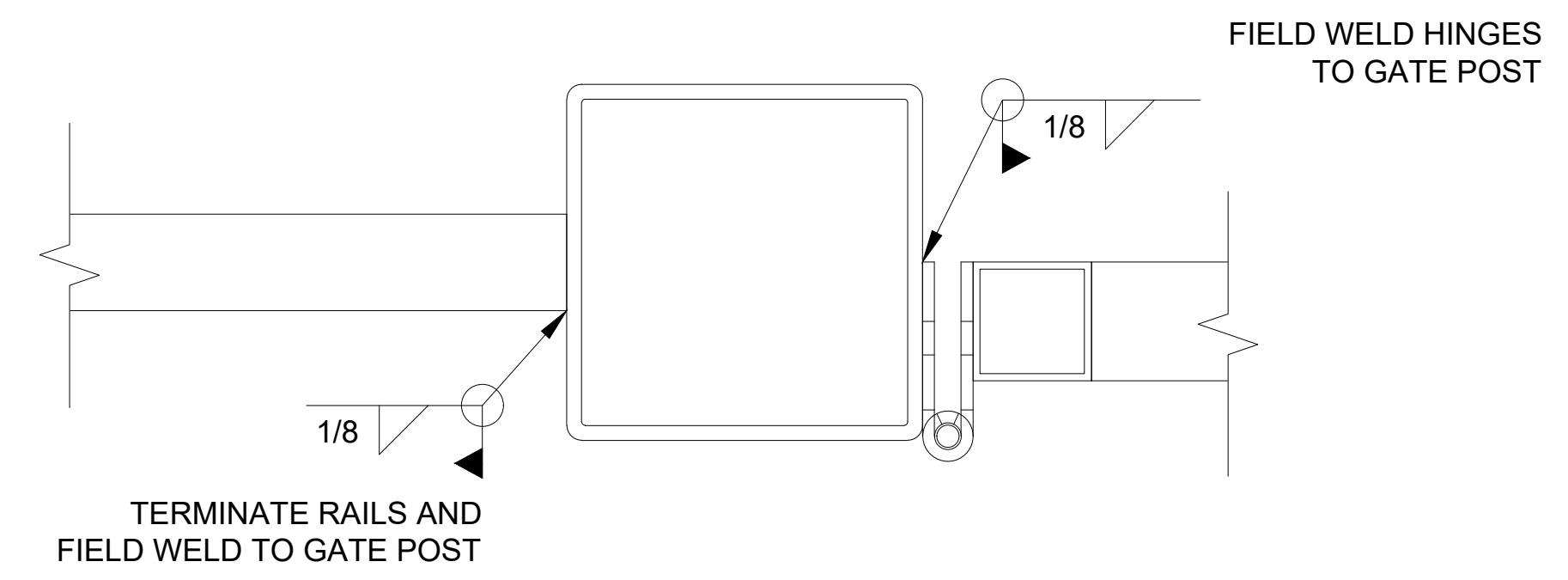


2 PLAN SCALE: NTS

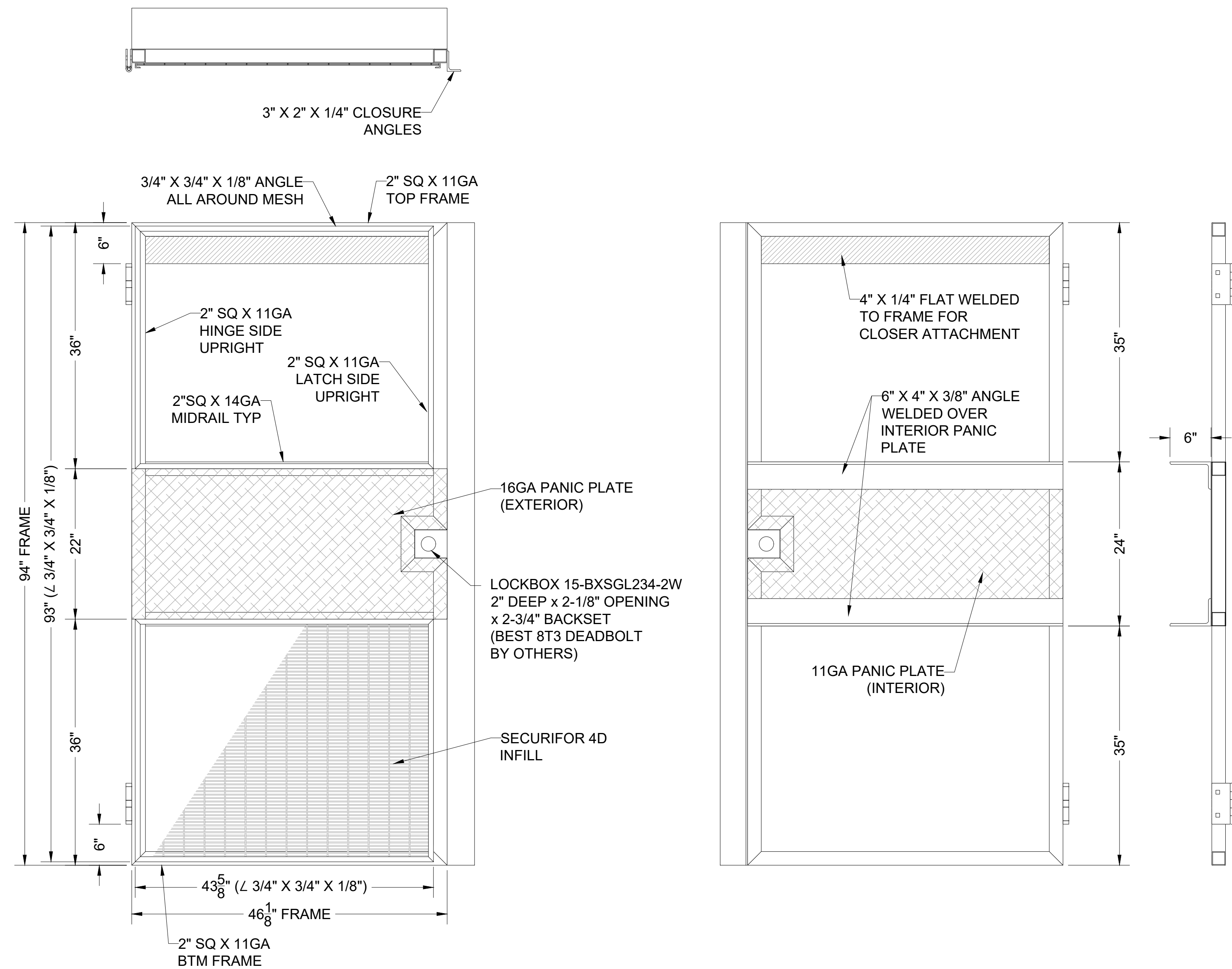


1 TYPICAL ELEVATION SCALE: NTS

PANIC BAR, LOCKSET AND GATE CLOSER TO BE PROVIDED BY OTHERS AND FIELD INSTALLED



3 DETAIL @ HINGE POST SCALE: NTS



4 GATE DETAIL SCALE: NTS

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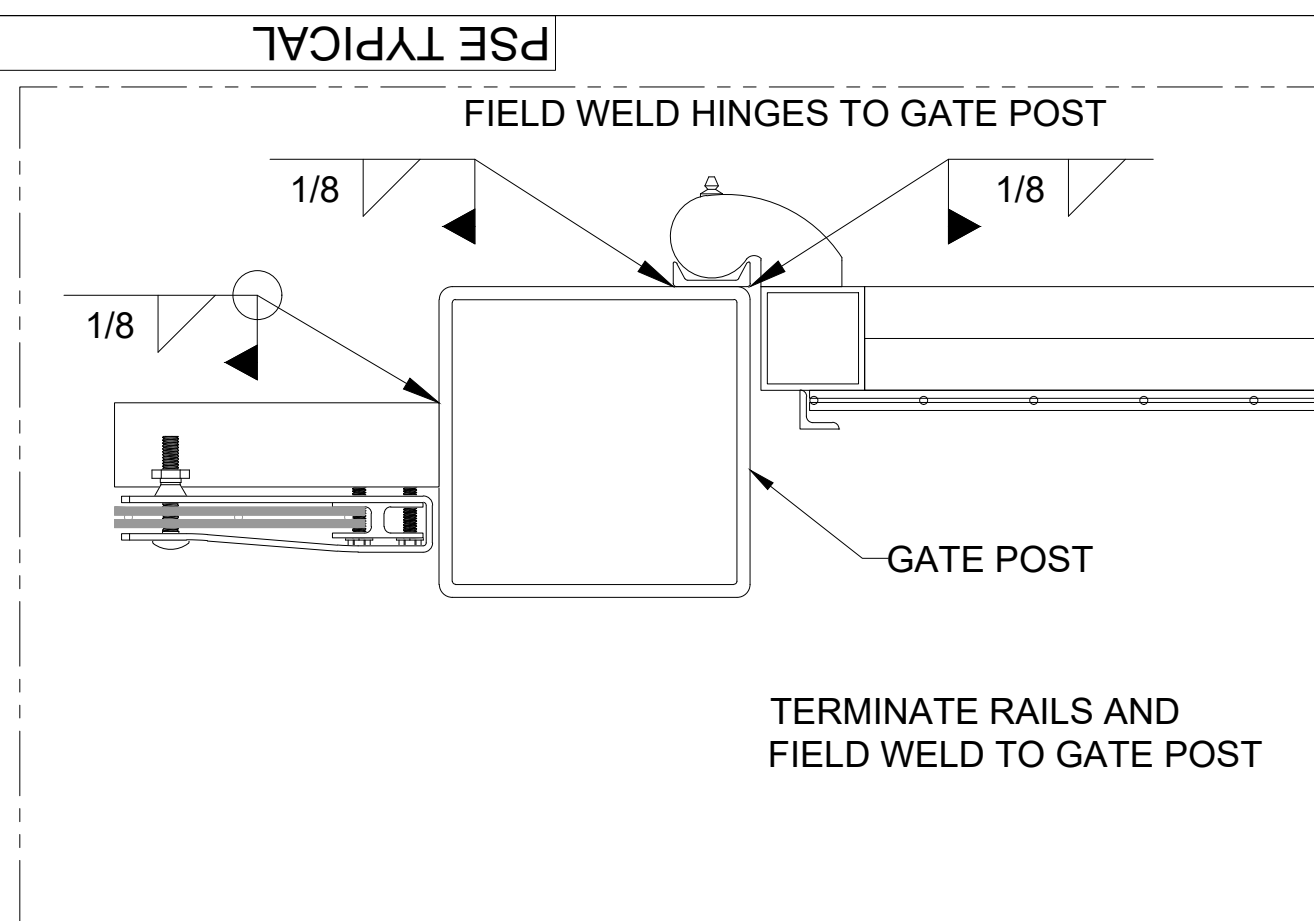
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REV	DATE	DESCRIPTION	BY
R3	27-DEC-24	GATE POSTS CHANGED TO 4" SQ PER CLIENT/SALES	TJR
R2	04-APR-24	INCREASED ANTI-TAMPER ANGLE TO 6X4 PER CLIENT	TJR
R1	28-MAR-24	UPDATED TO INCLUDE LOCKBOX, CLOSER ATTACHMENT POINTS	TJR

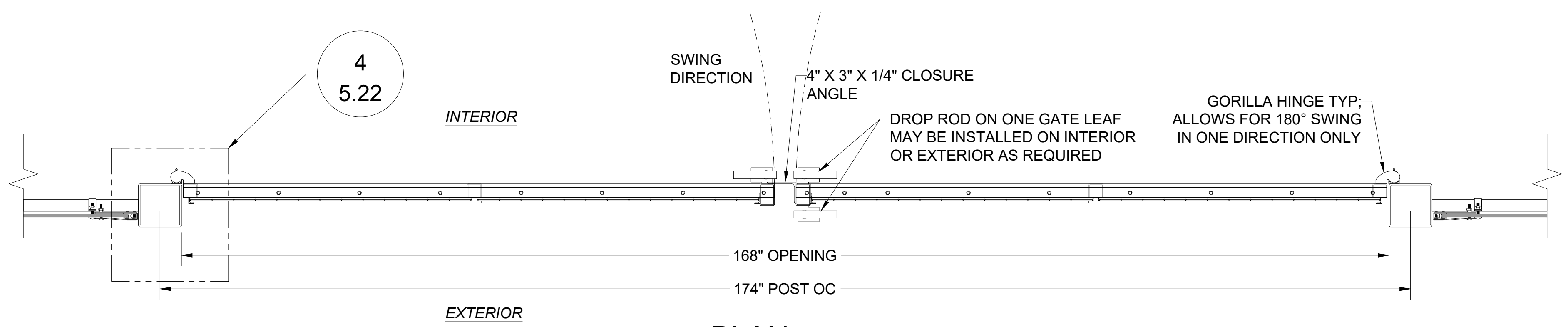
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CUSTOMER	PUGET SOUND ENERGY
HS#	TYPICAL
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SHEET NO.
5.01

4'W X 8'H MAN GATE
EGRESS ONLY TYPICAL
SYSTEM FINISH: HOT DIP GALVANIZED

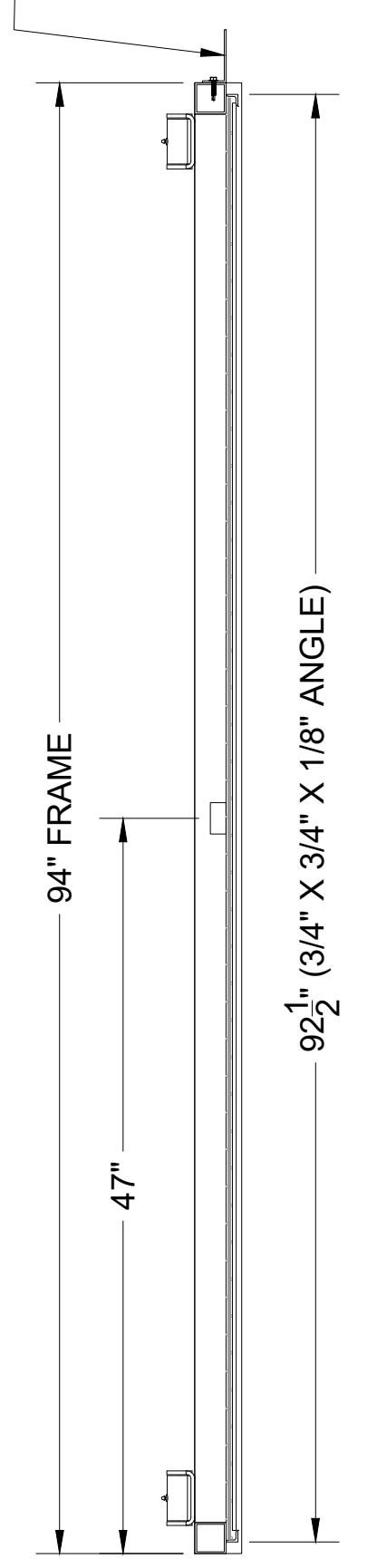


4 DETAIL
SCALE: NTS

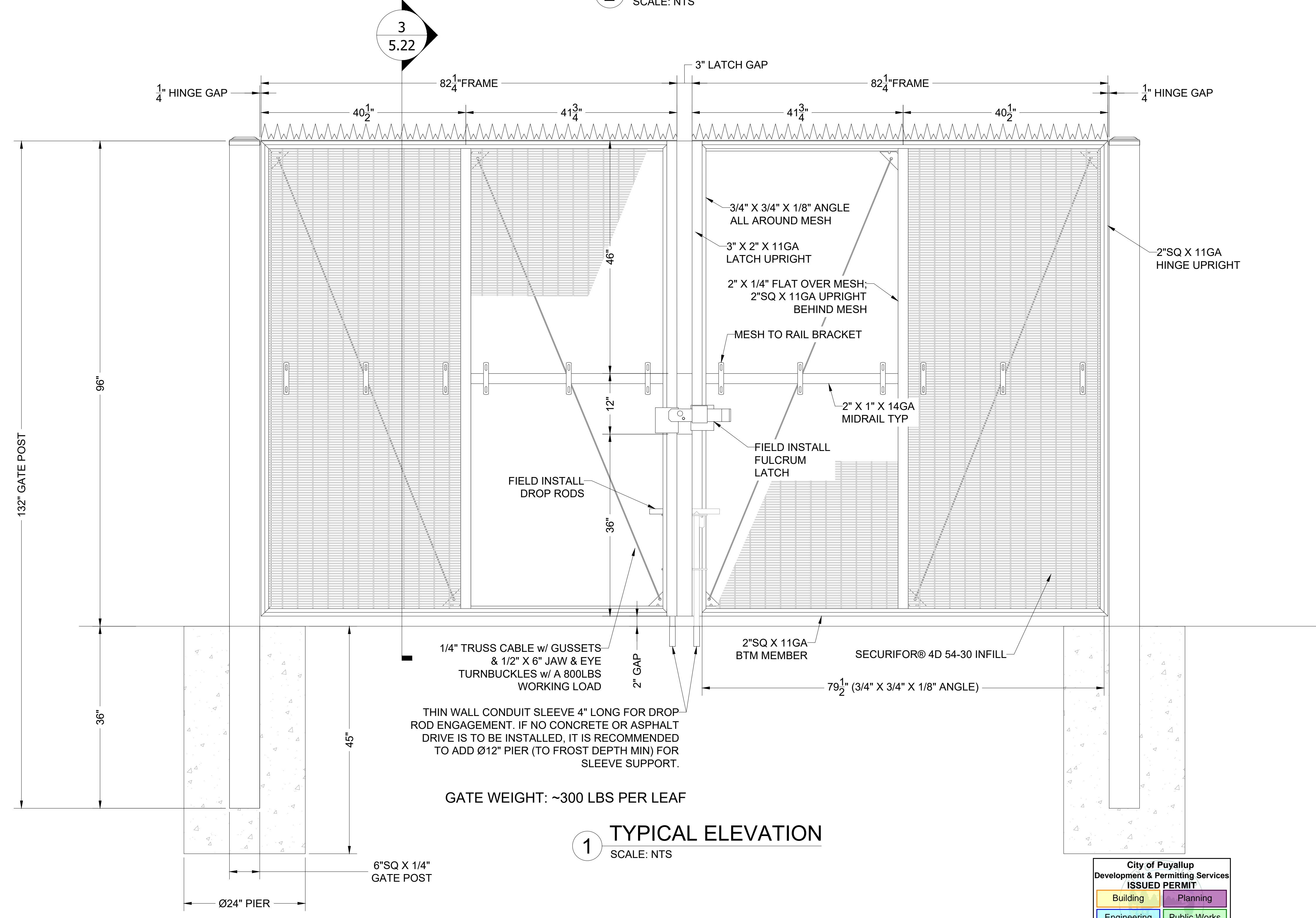


2 PLAN
SCALE: NTS

FIELD ATTACH 90° DENTAL STRIP TO TOP OF GATE AFTER GATE IS ASSEMBLED & HUNG USING TEK SCREWS @ 12" MAX OC



3 SECTION
SCALE: NTS



1 TYPICAL ELEVATION
SCALE: NTS

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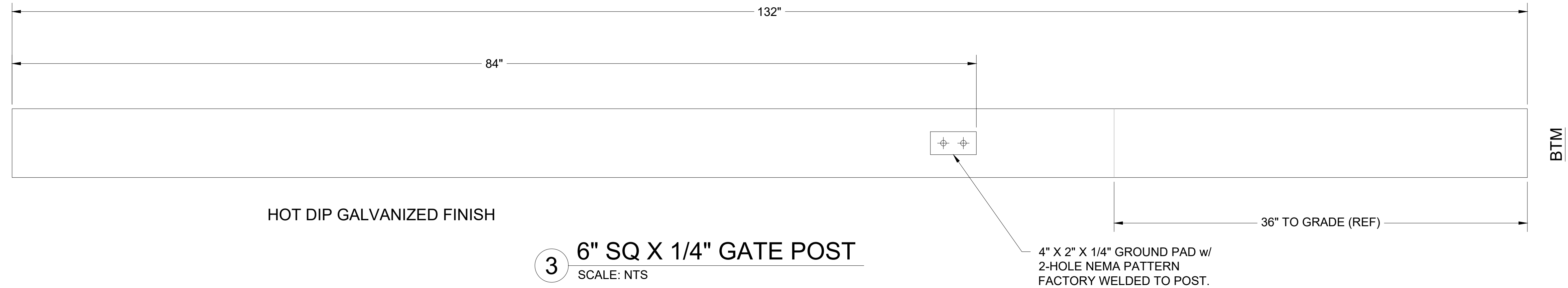
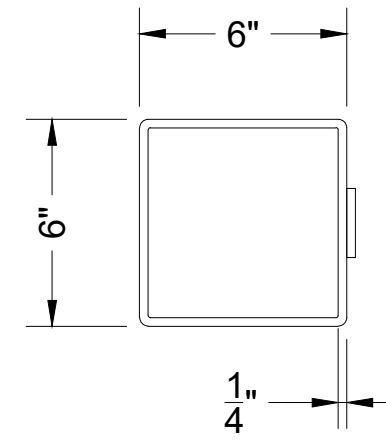
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REV	DATE	DESCRIPTION	TUR	BY
R1	06-FEB-24	PIERS REDUCED PER PE		

PROJECT	PSE TYPICAL
CUSTOMER	PUGET SOUND ENERGY
HS#	TYPICAL
QUOTE#	----
DATE	DRAFTER REVIEWER
26-JUL-23	TUR .

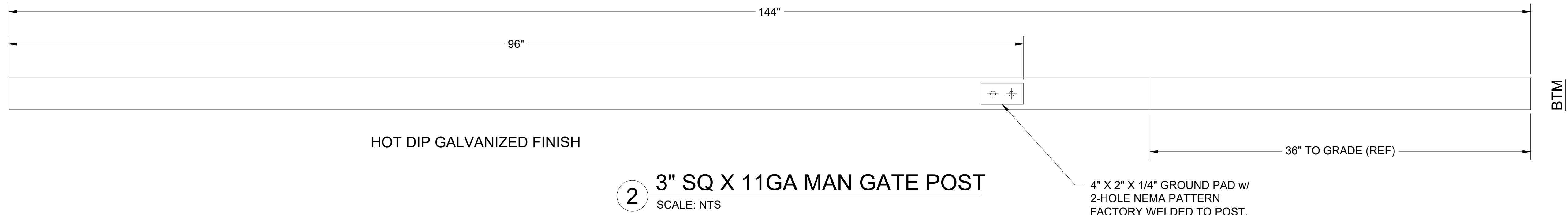
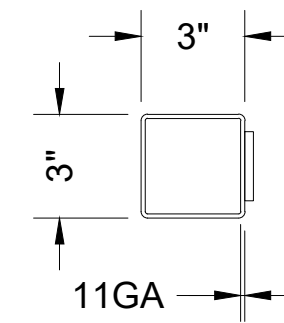
14'W X 8'H DBL SWING GATE TYPICAL

SYSTEM FINISH: HOT DIP GALVANIZED



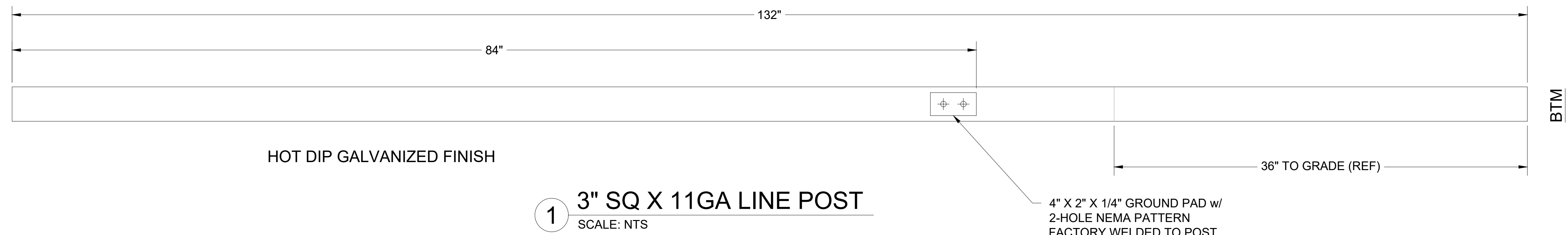
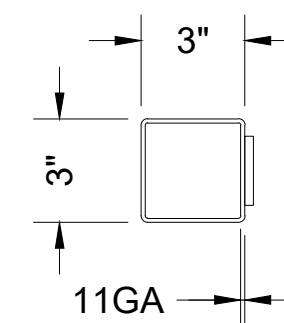
3 6" SQ X 1/4" GATE POST
SCALE: NTS

4" X 2" X 1/4" GROUND PAD w/
2-HOLE NEMA PATTERN
FACTORY WELDED TO POST.



2 3" SQ X 11GA MAN GATE POST
SCALE: NTS

4" X 2" X 1/4" GROUND PAD w/
2-HOLE NEMA PATTERN
FACTORY WELDED TO POST.



1 3" SQ X 11GA LINE POST
SCALE: NTS

4" X 2" X 1/4" GROUND PAD w/
2-HOLE NEMA PATTERN
FACTORY WELDED TO POST.

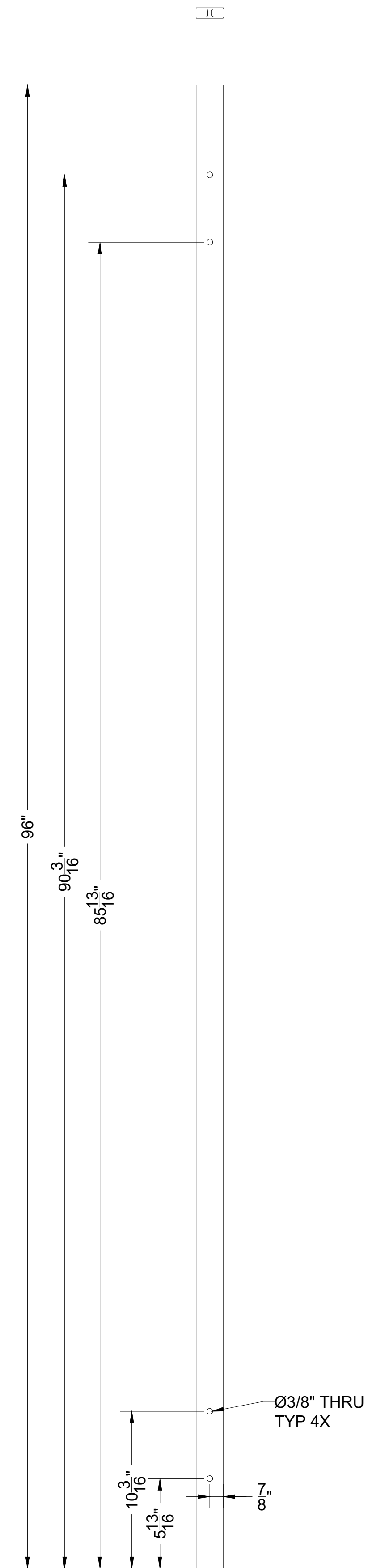
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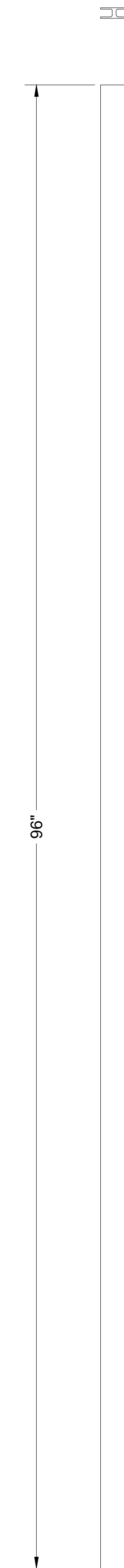
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R1	22-OCT-24	ADDED MAN GATE POST	TJR

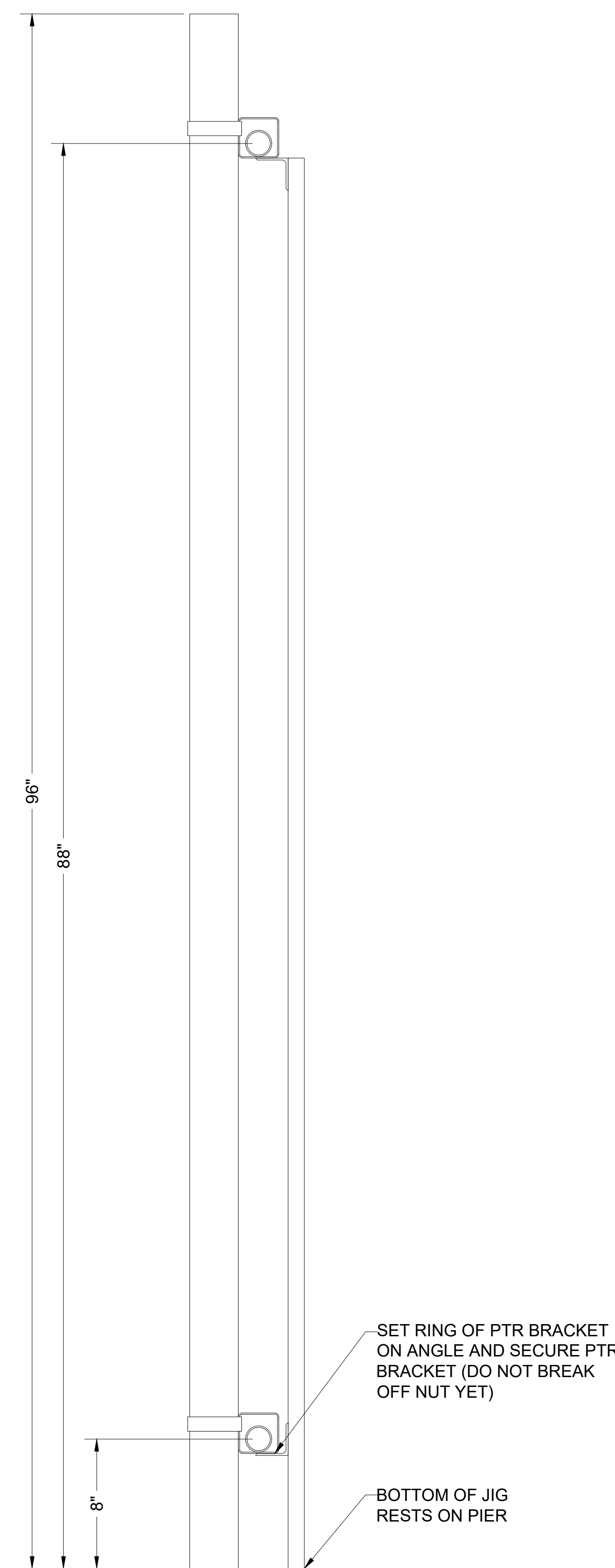
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QUOTE#			
DATE	26-JUL-23		
DRAFTER			
REVIEWER			



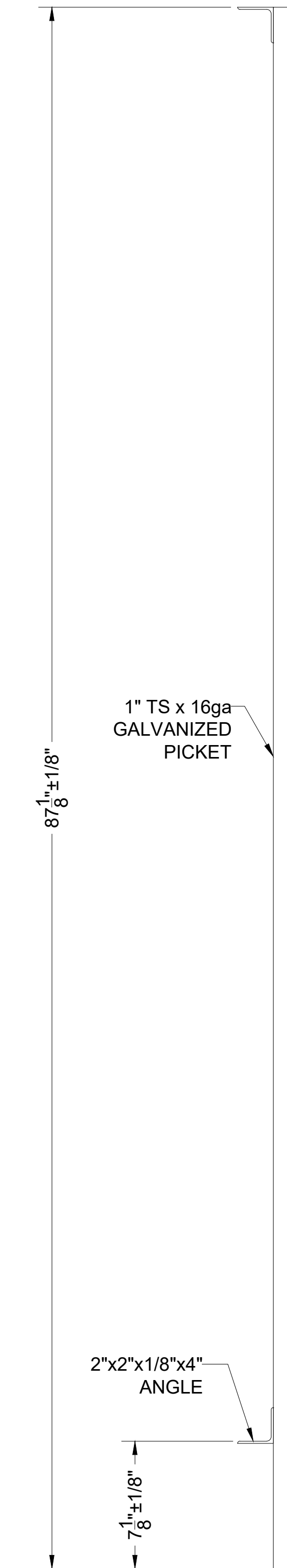
3 MEDIUM G1000 8'H TERMINAL UNION
SCALE: NTS



3 MEDIUM G1000 8'H UNION
SCALE: NTS



2 USING JIG TO SET PTR BRACKETS
SCALE: NTS



1 8'H JIG
SCALE: NTS

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PRFN20241253
Revision 1

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REV	DATE	DESCRIPTION	TJR	BY
R1	09-JAN-25	UPDATED HOLE PATTERN ON TERMINAL UNION	TJR	

PROJECT	PSE TYPICAL
CUSTOMER	PUGET SOUND ENERGY
HS#	TYPICAL
QUOTE#	----
DATE	DRAFTER REVIEWER
26-JUL-23	TJR .

SHEET NO.
8.00

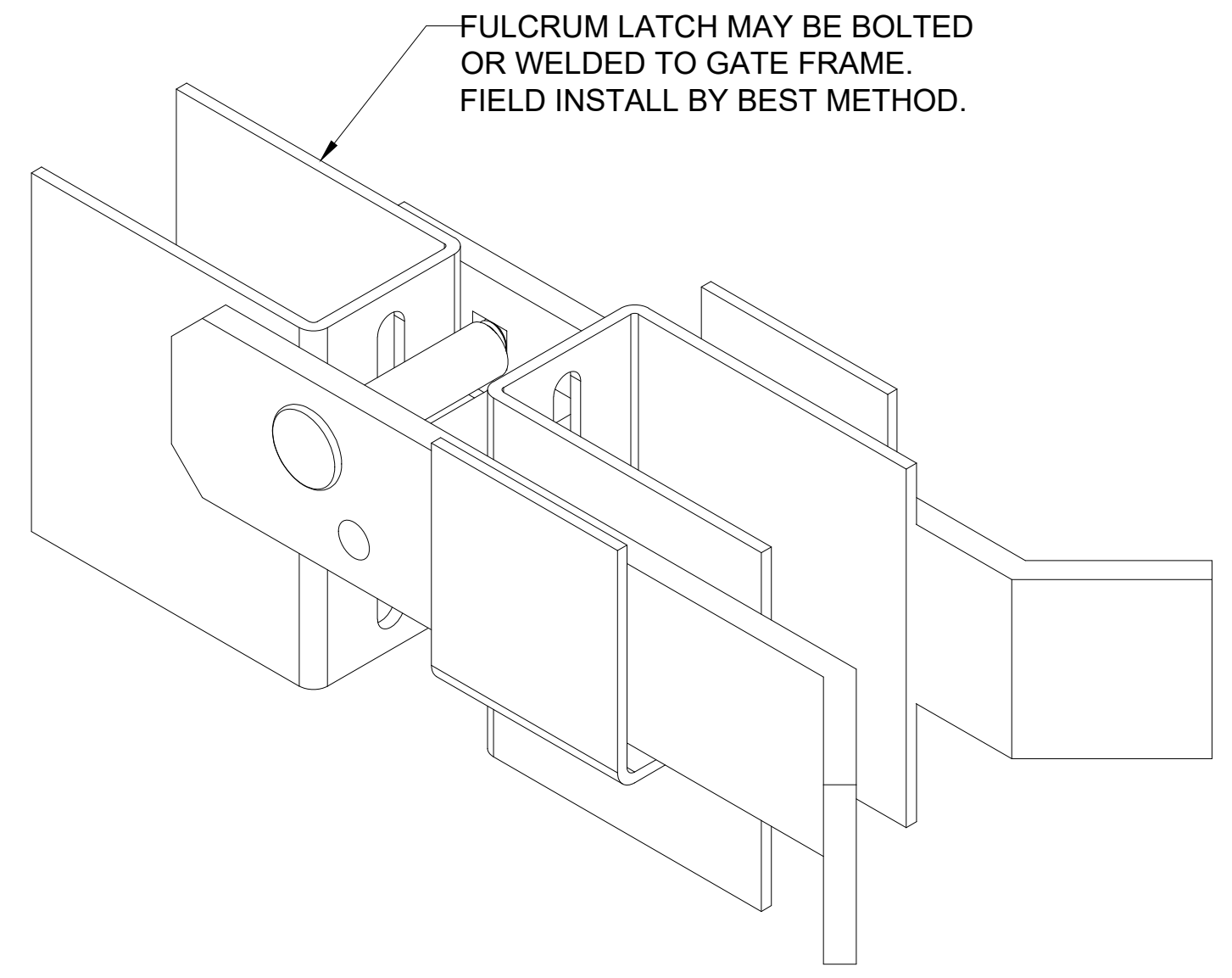
UNIONS & JIG

HOT DIP GALVANIZED

SYSTEM FINISH

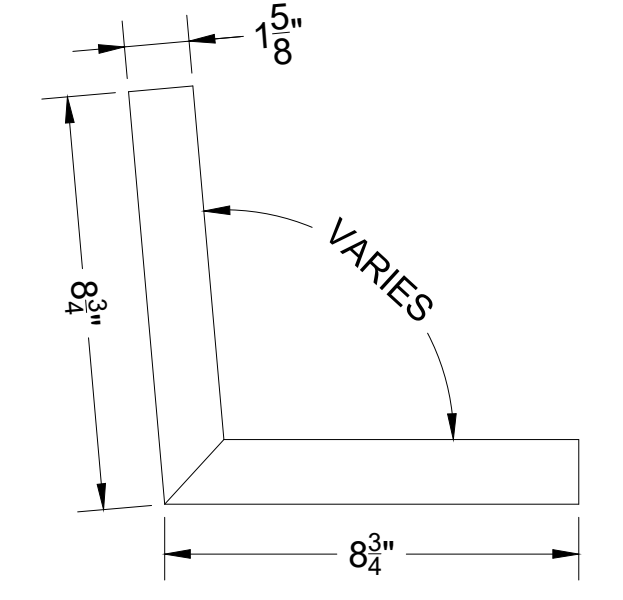
REV	DATE	DESCRIPTION	BY

PROJECT PSE TYPICAL CUSTOMER PUGET SOUND ENERGY HS# TYPICAL QUOTE# ---- DATE 26-JUL-23	DRAFTER TUR	REVIEWER .	SYSTEM FINISH HOT DIP GALVANIZED	HARDWARE

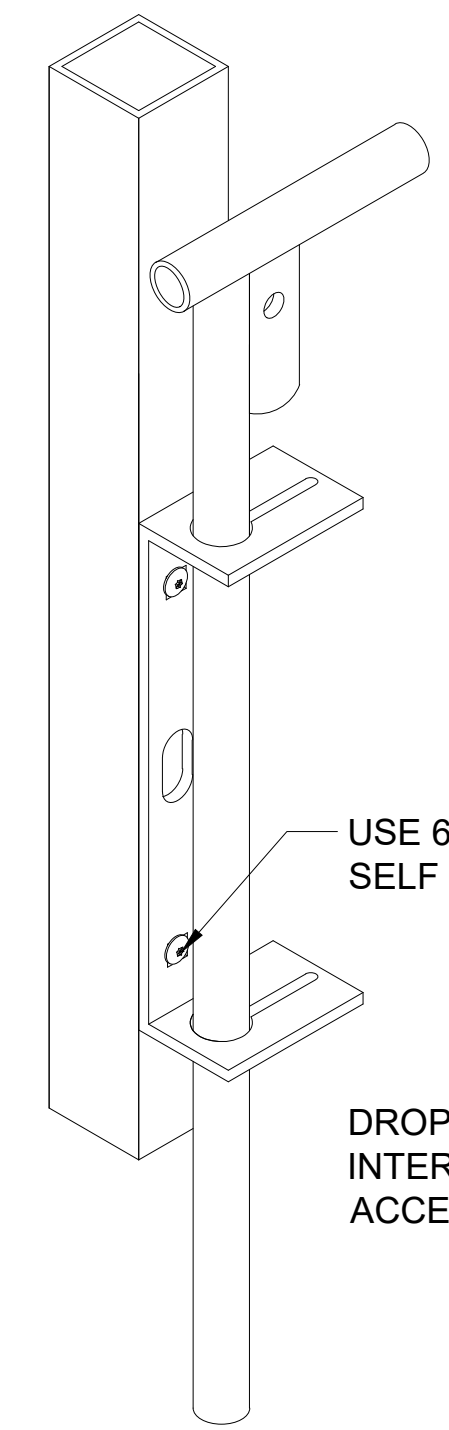


FULCRUM LATCH MAY BE BOLTED OR WELDED TO GATE FRAME. FIELD INSTALL BY BEST METHOD.

9 FULCRUM LATCH
SCALE: NTS



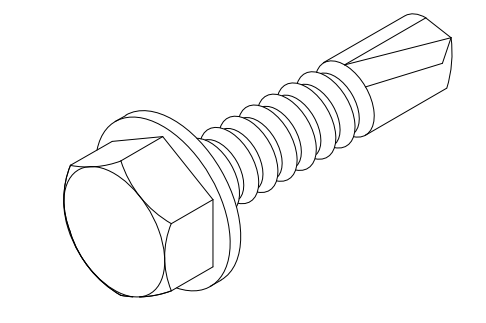
8 SPLICE
SCALE: NTS



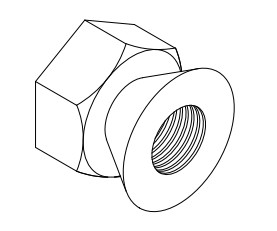
USE 6 LOBE SECURITY SELF TAPPING SCREWS

DROP ROD MAY BE INSTALLED ON INTERIOR OR EXTERIOR PER ACCESS REQUIREMENTS

7 HEAVY DUTY HS DROP RODS
SCALE: NTS

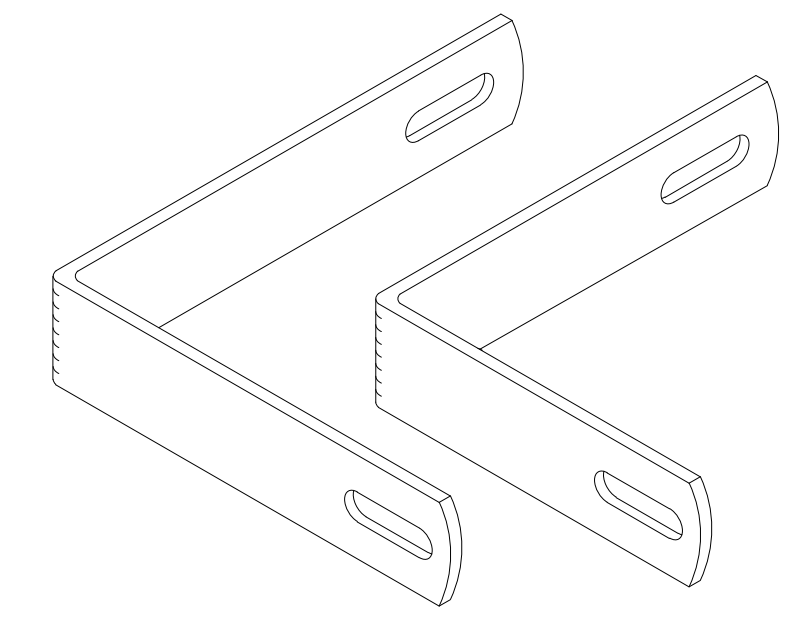


6 TEK SCREW
SCALE: NTS

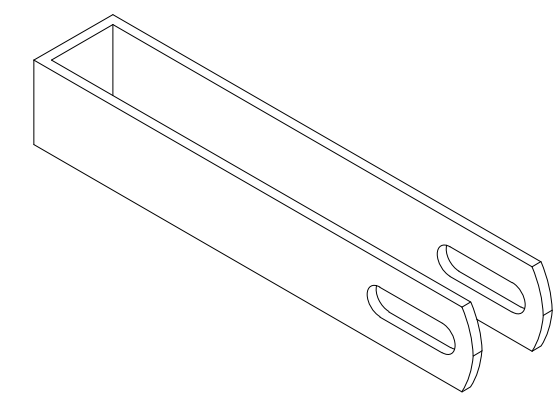


LENGTH MAY VARY

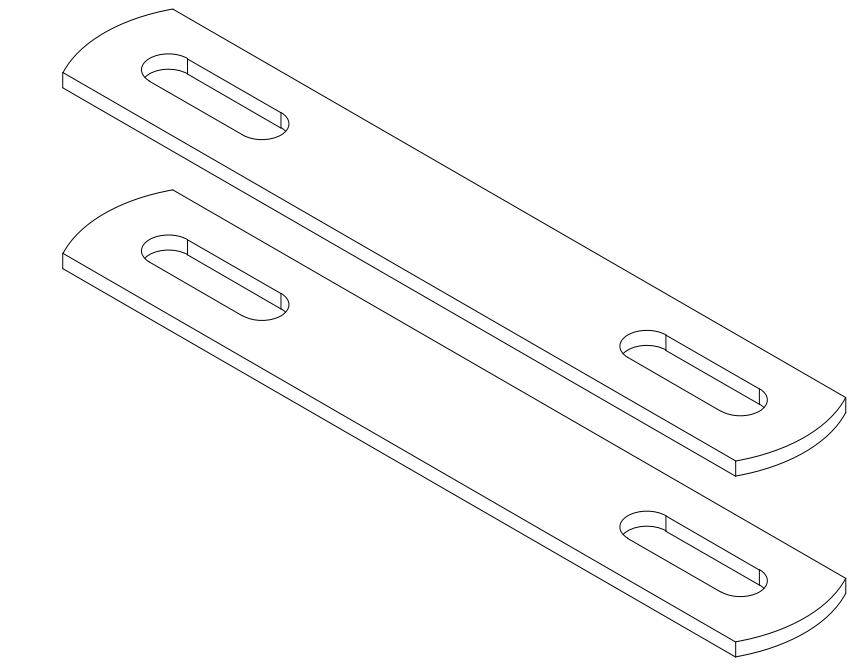
5 CARRIAGE BOLT W/BREAKAWAY NUT
SCALE: NTS



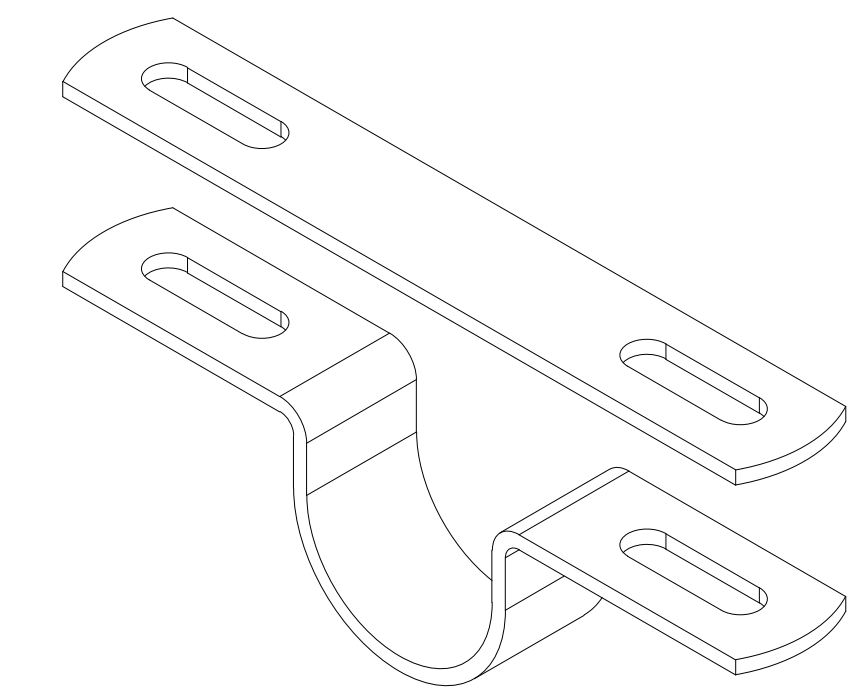
4 "L" INSIDE CORNER RETENTION STRAP
SCALE: NTS



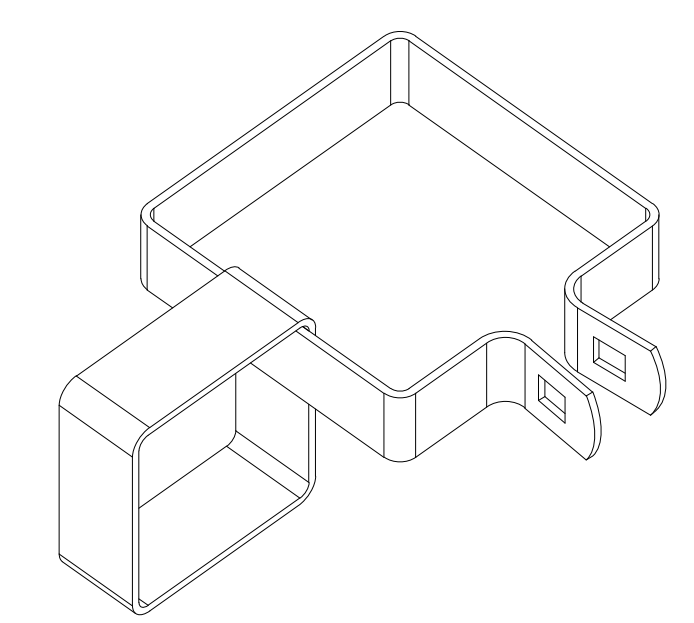
4 TERMINAL RETENTION STRAP
SCALE: NTS



3 UNION RETENTION STRAP (PAIRED)
SCALE: NTS



2 1-5/8" RND MESH TO RAIL BRACKET (w/RET STRAP)
SCALE: NTS



1 3" HIGH SECURITY POST TO RAIL HANGER
SCALE: NTS

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