REFERENCES:

THE CONTRACTOR IS RESPONSIBLE FOR REVIEWING AND UNDERSTANDING THE REFERENCED CODES AND STANDARDS. ALL REFERENCES MUST BE CURRENT WITHIN THE LAST FIVE YEARS. THE FOLLOWING CODES AND STANDARDS ARE REFERENCED IN THE STRUCTURAL NOTES:

ASTM A6 STANDARD SPECIFICATION FOR GENERAL REQUIREMENTS FOR ROLLED STRUCTURAL STEEL BARS,

		PLATES, SHAPES, AND SHEET PILING
ASTM	A36	STANDARD SPECIFICATION FOR CARBON STRUCTURAL STEEL
ASTM	A53	STANDARD SPECIFICATION FOR PIPE, STEEL, BLACK AND HOT-DIPPED, ZINC-COATED, WELDED AND
		SEAMLESS
ASTM	A123	STANDARD SPECIFICATION FOR ZINC (HOT-DIP GALVANIZED) COATINGS ON IRON AND STEEL PRODUCTS
ASTM	A153	STANDARD SPECIFICATION FOR ZINC COATING (HOT DIP) ON IRON AND STEEL HARDWARE
ASTM	A307	STANDARD SPECIFICATION FOR CARBON STEEL BOLTS AND STUDS, 60 000 PSI TENSILE STRENGTH
ASTM	A325	STANDARD SPECIFICATION FOR STRUCTURAL BOLTS, STEEL, HEAT TREATED, 120/105 KSI MINIMUM
		TENSILE STRENGTH
ASTM	A490	STANDARD SPECIFICATION FOR STRUCTURAL BOLTS, ALLOY STEEL, HEAT TREATED, 150 KSI MINIMUM
		TENSILE STRENGTH
ASTM	A500	STANDARD SPECIFICATION FOR COLD-FORMED WELDED AND SEAMLESS CARBON STEEL STRUCTURAL
		TUBING IN ROUNDS AND SHAPES
ASTM	A563	STANDARD SPECIFICATION FOR CARBON AND ALLOY STEEL NUTS
ASTM	A568	STANDARD SPECIFICATION FOR STEEL, SHEET, CARBON, STRUCTURAL, AND HIGH-STRENGTH,
		LOW-ALLOY, HOT-ROLLED AND COLD-ROLLED, GENERAL REQUIREMENTS FOR
ASTM	A572	STANDARD SPECIFICATION FOR HIGH-STRENGTH LOW-ALLOY COLUMBIUM-VANADIUM STRUCTURAL STEEL
ASTM	A780	STANDARD PRACTICE FOR REPAIR OF DAMAGED AND UNCOATED AREAS OF HOT DIP GALVANIZED
		COATINGS
ASTM	A992	STANDARD SPECIFICATION FOR STRUCTURAL STEEL SHAPES
ASTM	B633	STANDARD SPECIFICATION FOR ELECTRODEPOSITED COATINGS OF ZINC ON IRON AND STEEL
ASTM	B695	STANDARD SPECIFICATION FOR COATINGS OF ZINC MECHANICALLY DEPOSITED ON IRON AND STEEL
ASTM	F436	STANDARD SPECIFICATION FOR HARDENED STEEL WASHERS

AISC MANUAL OF STEEL CONSTRUCTION

ASCE 07 MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES AWS D1.1 STRUCTURAL WELDING CODE — STRUCTURAL STEEL INTERNATIONAL BUILDING CODE

GENERAL NOTES:

- 1. PLANS, SECTIONS, AND DETAILS ARE NOT TO BE SCALED FOR DETERMINATION OF QUANTITIES, LENGTHS, OR FIT OF

- 1. PLANS, SECTIONS, AND BETAILS ARE NOT TO BE SCALED FOR DETERMINATION OF QUANTITIES, LENGTHS, OR FIT OF MATERIALS.

 2. ALL MATERIALS AND WORKMANSHIP SHALL CONFORM TO THE DRAWINGS, SPECIFICATIONS, AND REFERENCES AS INDICATED IN THESE NOTES.

 3. ALL WORK DESCRIBED BY THESE DRAWINGS SHALL BE PERFORMED BY A QUALIFIED CONTRACTOR WITH A MINIMUM OF 5 YEARS OF PAST EXPERIENCE IN THE WORK BEING PERFORMED.

 4. THESE STRUCTURAL NOTES PROVIDE STANDARDS FOR MATERIALS AND WORKMANSHIP FOR THE STRUCTURAL PORTION OF THE JOB. REFERENCE THE ARCHITECTURAL DRAWINGS FOR GENERAL NOTES WHICH ADDRESS REQUIREMENTS FOR THE CONTRACTOR, SAFETY, LIMITS OF SCOPE AND LIABILITY, AND EXPECTED WORKMANSHIP.

 5. CONTRACTOR SHALL THOROUGHLY INSPECT AND SURVEY THE EXISTING STRUCTURE TO VERIFY DIMENSIONS, ELEVATIONS, FRAMING, ETC. WHICH AFFECT THE WORK SHOWN ON THE DRAWINGS.

 6. DISCREPANCIES: THE CONTRACTOR SHALL INFORM GLOTEL IN WRITING, DURING THE BIDDING PER OF ANY DISCREPANCIES OR OMISSIONS ON THE DRAWINGS, THE SPECIFICATIONS, OR WITH RESPECT TO EXISTING CONDITIONS FROM THE SITE SURVEY. UPON RECEIPT OF SUCH INFORMATION, THE PROJECT REPRESENTATIVE WILL SEND WRITTEN INSTRUCTIONS TO ALL CONCERNED.

SHOP DRAWINGS:

1. ALL FABRICATION / SHOP DRAWINGS ARE TO BE REVIEWED FOR COMPLIANCE TO THE STRUCTURAL DRAWINGS AND SIGNED OFF BY THE STRUCTURAL ENGINEER PRIOR TO FABRICATION.

BOLTS AND SCREWS:

- 1. ALL CONNECTIONS OF STRUCTURAL STEEL MEMBERS SHALL BE MADE USING SPECIFIED HIGH STRENGTH ASTM A325 OR A490 BOLTS WITH THREADS EXCLUDED IN SHEAR PLANE. U—BOLTS ARE ASTM A307 WITH LOCKING DEVICE EXCEPT WHERE NOT APPLICABLE.

 2. NUTS CONFORM TO ASTM A563. WASHERS CONFORM TO ASTM F436.

 3. THREADED RODS CONFORM TO ASTM A36 UNLESS SPECIFIED OTHERWISE.

 4. ANCHOR RODS CONFORM TO ASTM F1554.

 5. FASTENERS SHALL BE INSTALLED IN PROPERLY ALIGNED HOLES.

 6. ALL BOLTS AT EVERY CONNECTION SHALL BE INSTALLED SNUG FIT UNTIL THE SECTION IS FULLY COMPACTED, AND THEN TIGHTENING SHALL PROGRESS SYSTEMATICALLY.

- SHALL PROGRESS SYSTEMATICALLY.

 7. BOLT LENGTHS UP TO AND INCLUDING FOUR DIAMETERS SHALL BE TENSIONED 1/3 TURN BEYOND SNUG FIT. BOLT LENGTHS OVER 4 DIAMETERS SHALL BE 1/2 TURN BEYOND SNUG FIT.

 8. ALL BOLTED CONNECTIONS SHALL USE LOCK WASHERS.

CORROSION CONTROL:

- 1. ALL STEEL MEMBERS SHALL HAVE CORROSION CONTROL AS STATED BELOW:
 *STEEL MEMBERS SHALL BE HOT DIPPED GALVANIZED PER ASTM A123
 *FASTENERS AND HARDWARE SHALL BE HOT DIPPED GALVANIZED PER ASTM A153, ASTM B695
 CLASS 50, OR BE ELECTRO-GALVANIZED PER ASTM B633. (A490 BOLTS SHALL NOT BE HOT DIPPED GALVANIZED)
- •GUYS STANDS SHALL BE PROTECTED IN ACCORDANCE WITH ASTM A475 OR A586 MINIMUM CLASS A COATING
- •ALL REPAIRS SHALL BE PROTECTED IN ACCORDANCE WITH ASTM A780
- ALL FIELD CUT SURFACES SHALL BE REPAIRED WITH (2) COATS OF A 95% ZINC RICH PAINT PER ASTM A780.
- PER ASIM A780.

 ALL DAMAGED SURFACES, WELDED AREAS AND AUTHORIZED NON-GALVANIZED MEMBERS OR PARTS (EXISTING OR NEW) SHALL BE PAINTED WITH (2) COATS OF ZINC RICH PAINT.

DESIGN CRITERIA:

- 2018 INTERNATIONAL BUILDING CODE
 TIA 222

SEISMIC DESIGN:

RISK CATEGORY = III RISK CATEGORY = III IMPORTANCE FACTOR, I_E = 1.0 SITE CLASS = D SEISMIC DESIGN CATEGORY = D AMPLIFICATION FACTOR, A_P = 1 RESPONSE FACTOR, R_P = 2.5

WIND DESIGN CRITERIA:

EXPOSURE = C BASIC WIND SPEED, V = 105 MPH TOPOGRAPHIC FACTOR, $K_{\rm ZT}=0.95$ GROUND ELEVATION FACTOR, $K_{\rm E}=1.0$ DIRECTIONALITY FACTOR, $K_{\rm B}=0.95$ SHIELDING FACTOR, $K_{\rm A}=0.90$ GUST FACTOR, GH = 1.10





5628 AIRPORT WAY SOUTH, SUITE 330 SEATTLE, WA 98108

RFDS VERSION 2

SE04823C WASHINGTON STATE **FAIR/LIGHT POLE**

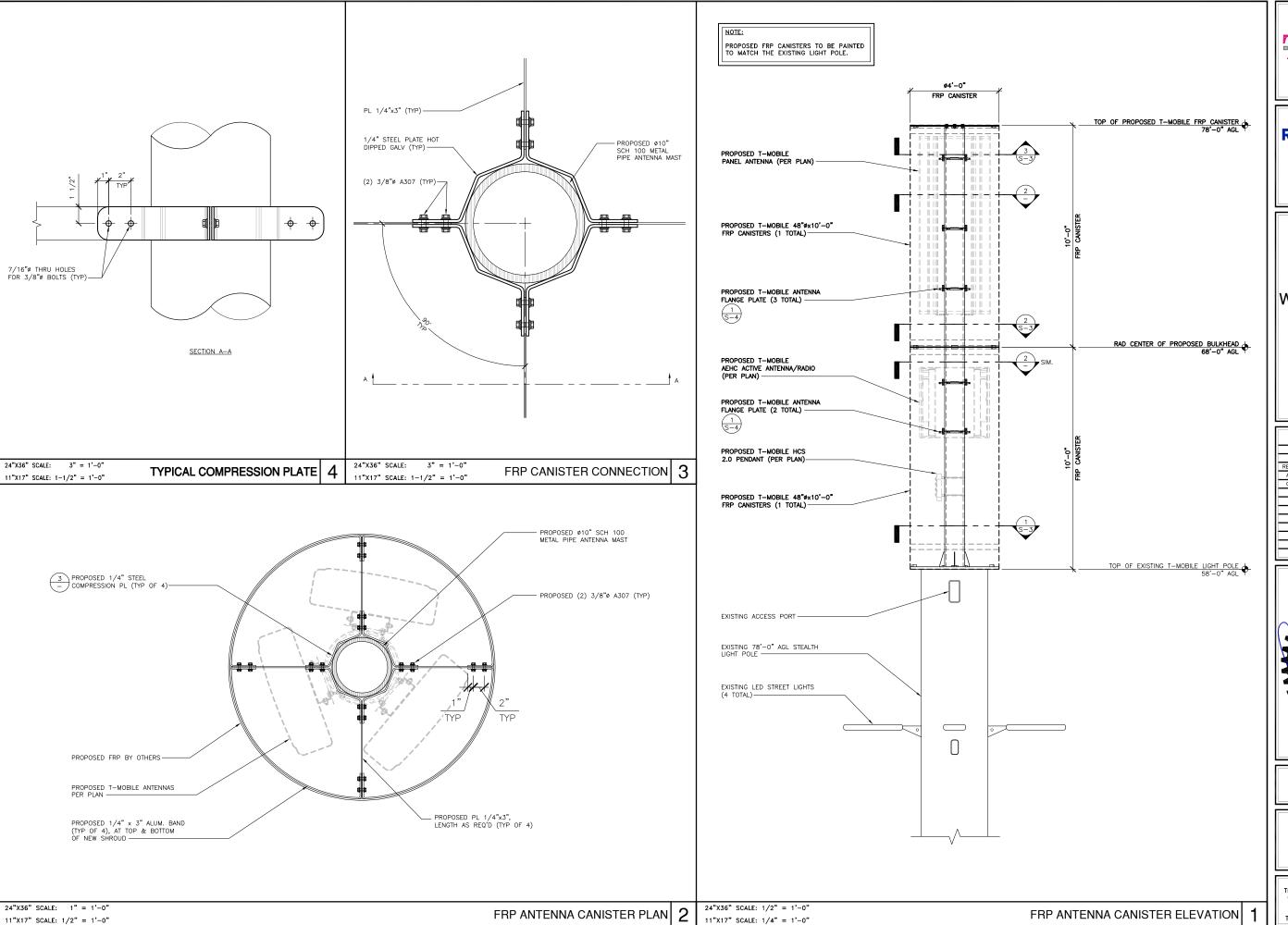
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STRUCTURAL NOTES

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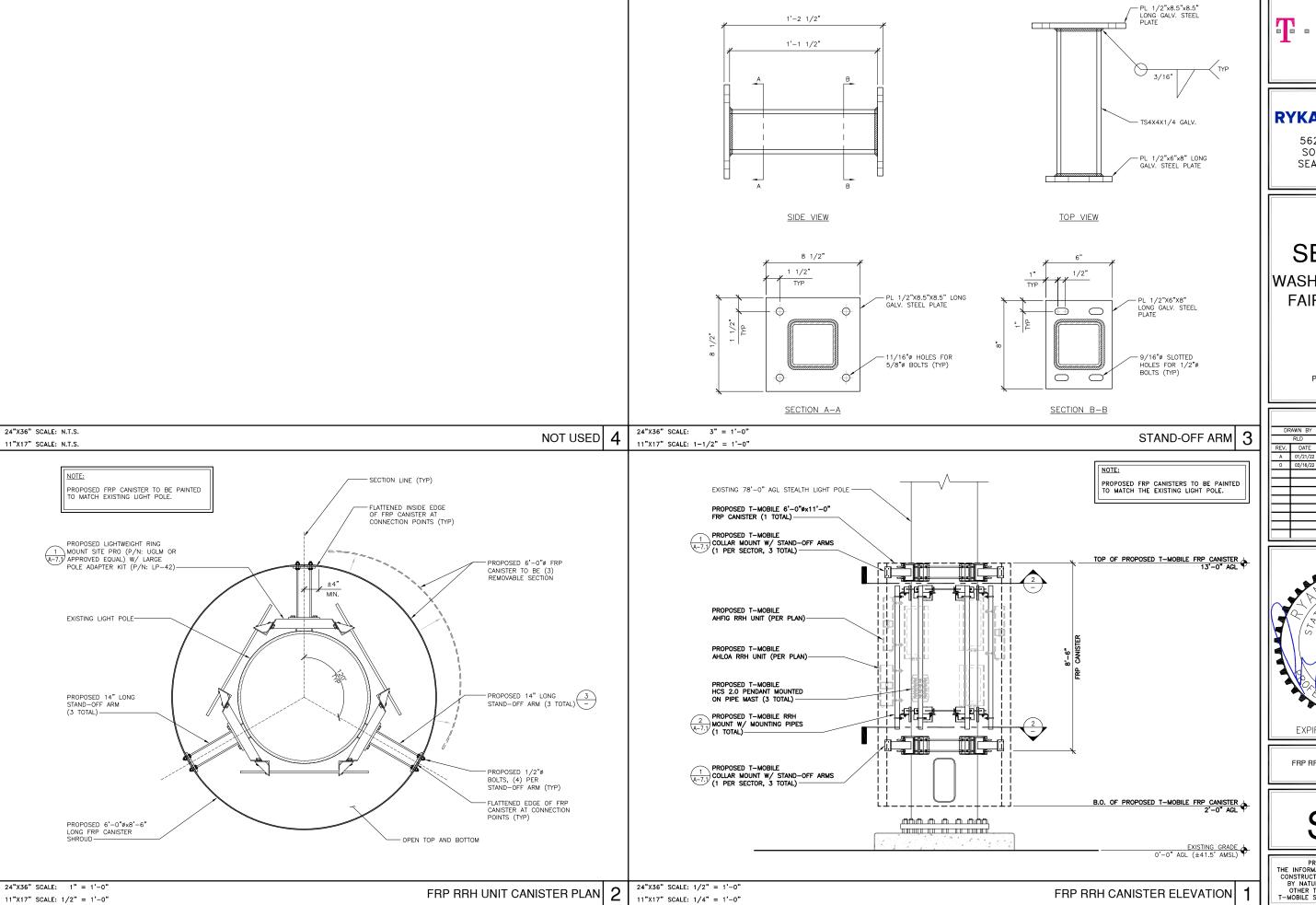


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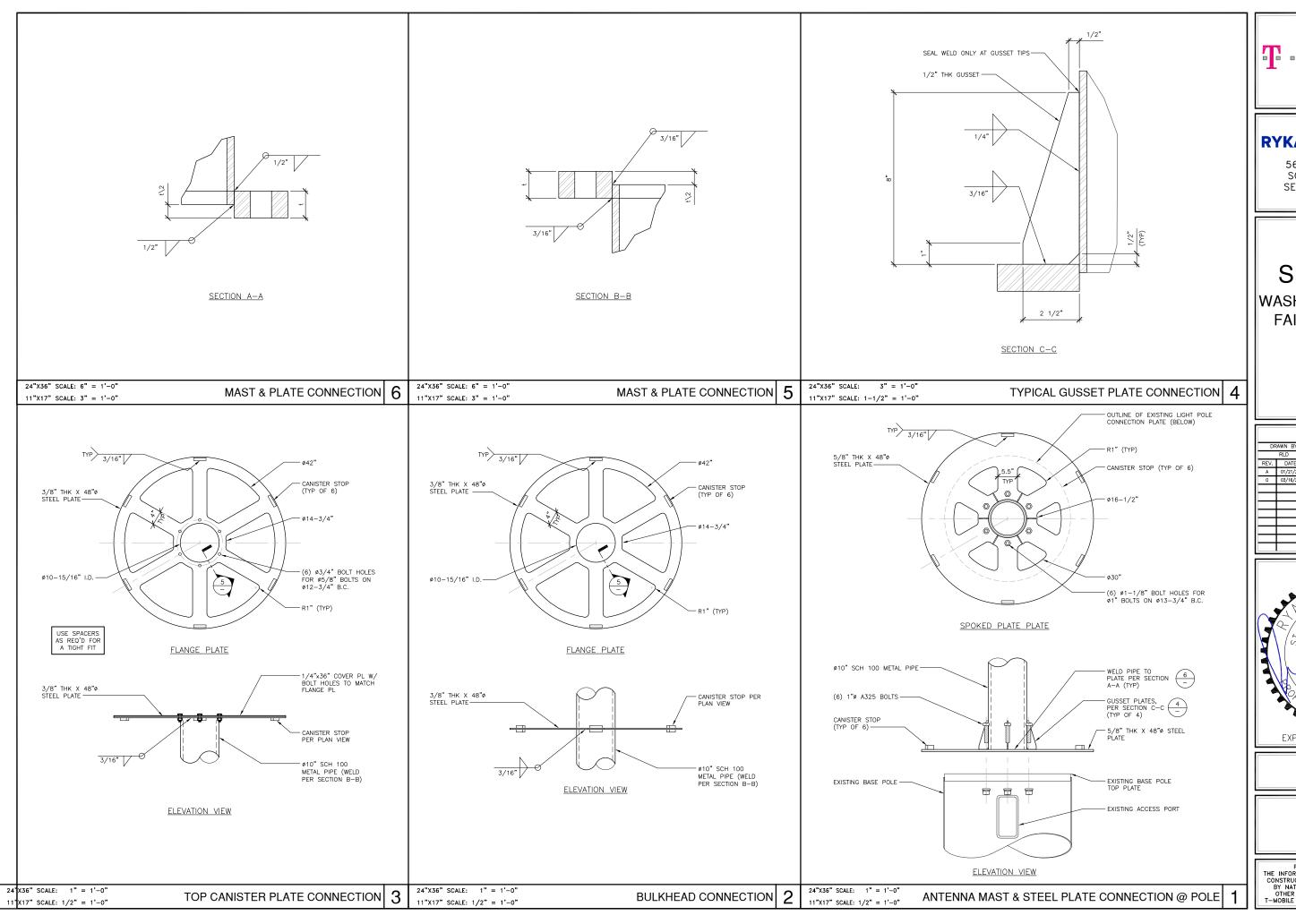


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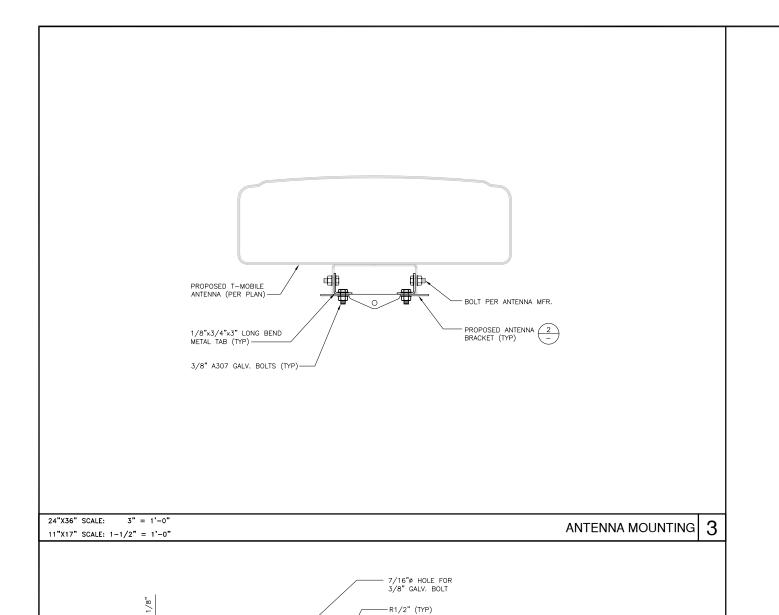


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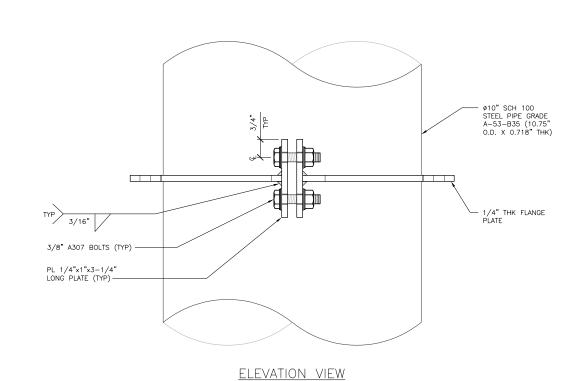
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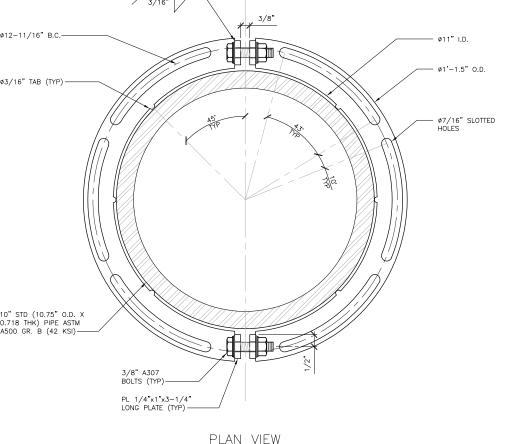


-1/8" BENT PLATE

Ø12-11/16" B.C.ø1'-1.5" O.D. ø3/16" TAB (TYP) - ø7/16" SLOTTED HOLES 10" STD (10.75" O.D. X 0.718 THK) PIPE ASTM A500 GR. B (42 KSI)— 3/8" A307 BOLTS (TYP) PL 1/4"x1"x3-1/4" LONG PLATE (TYP)-

PLAN VIEW









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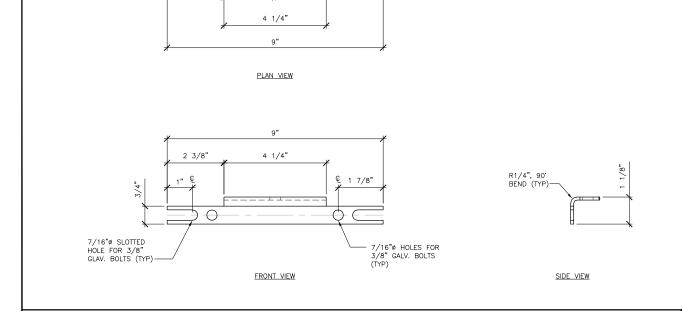
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2 1/8"

24"X36" SCALE: 6" = 1'-0"

11"X17" SCALE: 3" = 1'-0"

ANTENNA MOUNTING BRACKET

ANTENNA FLANGE PLATE

24"X36" SCALE: 6" = 1'-0" 11"X17" SCALE: 3" = 1'-0"