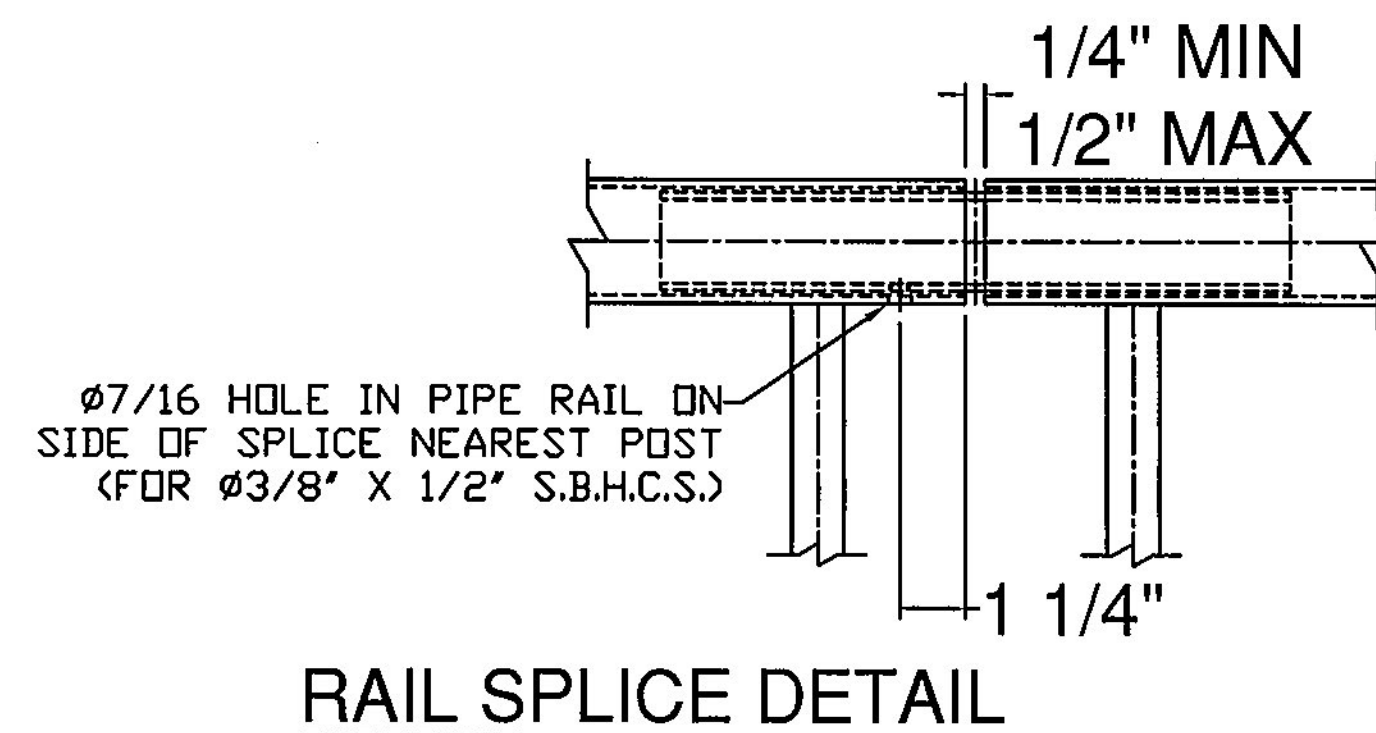
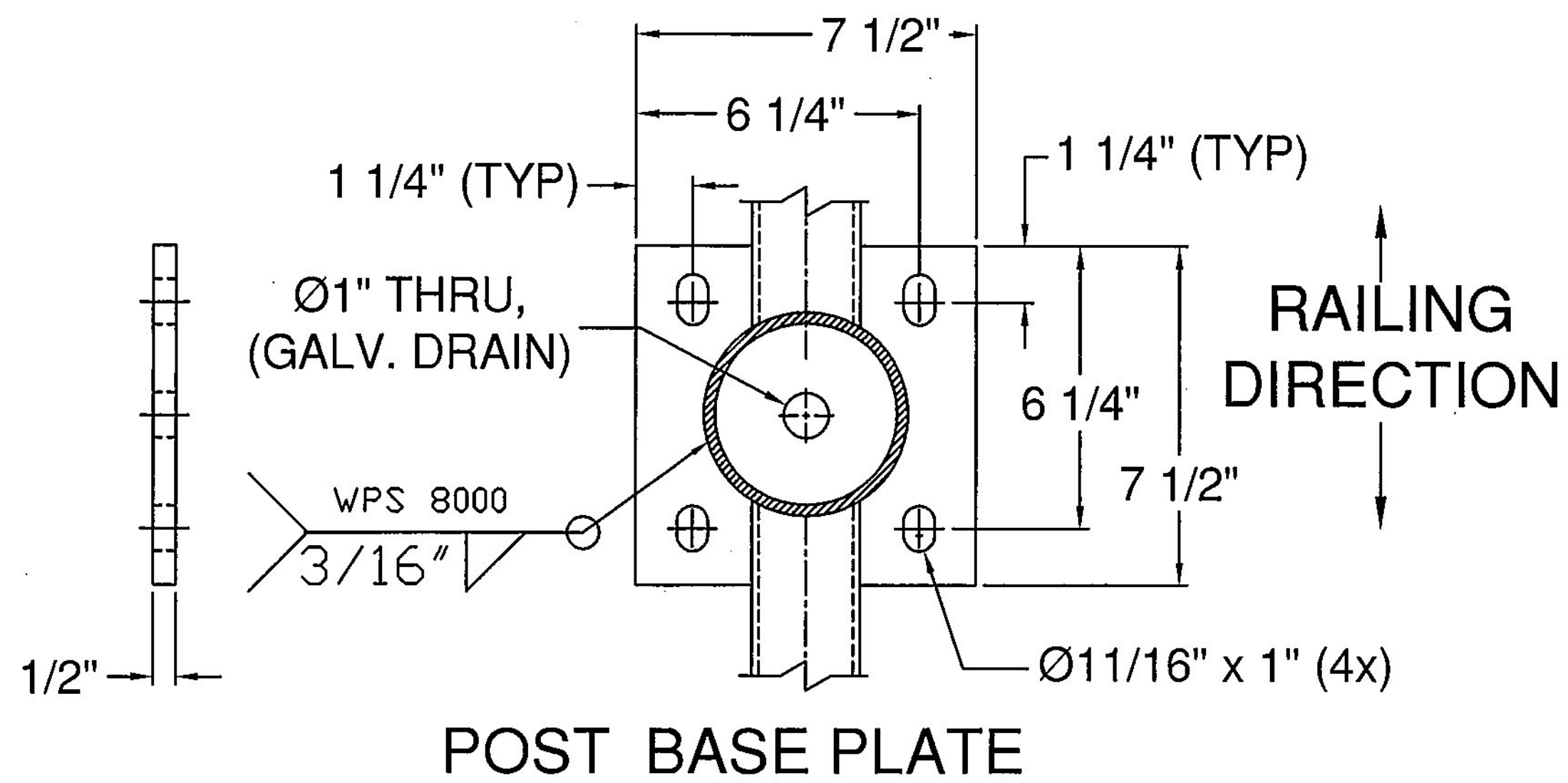
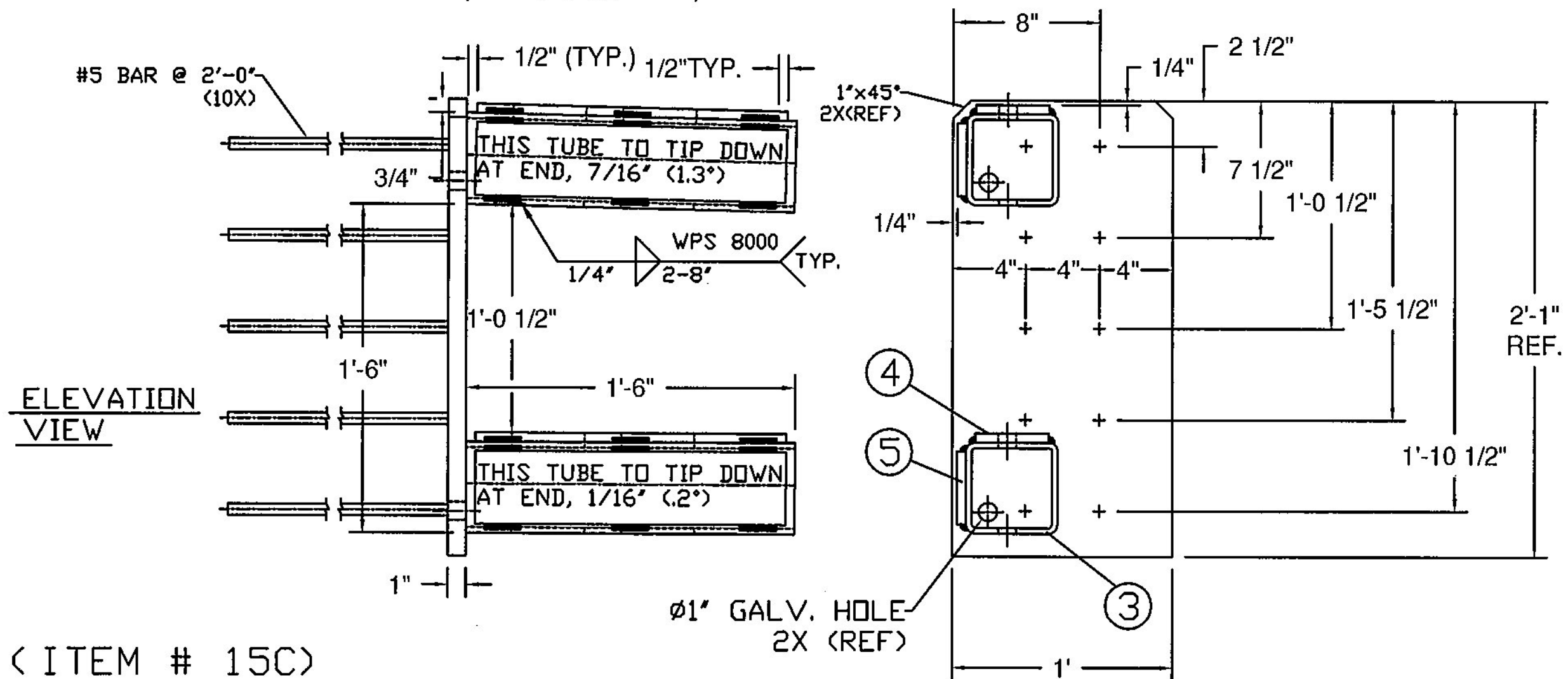
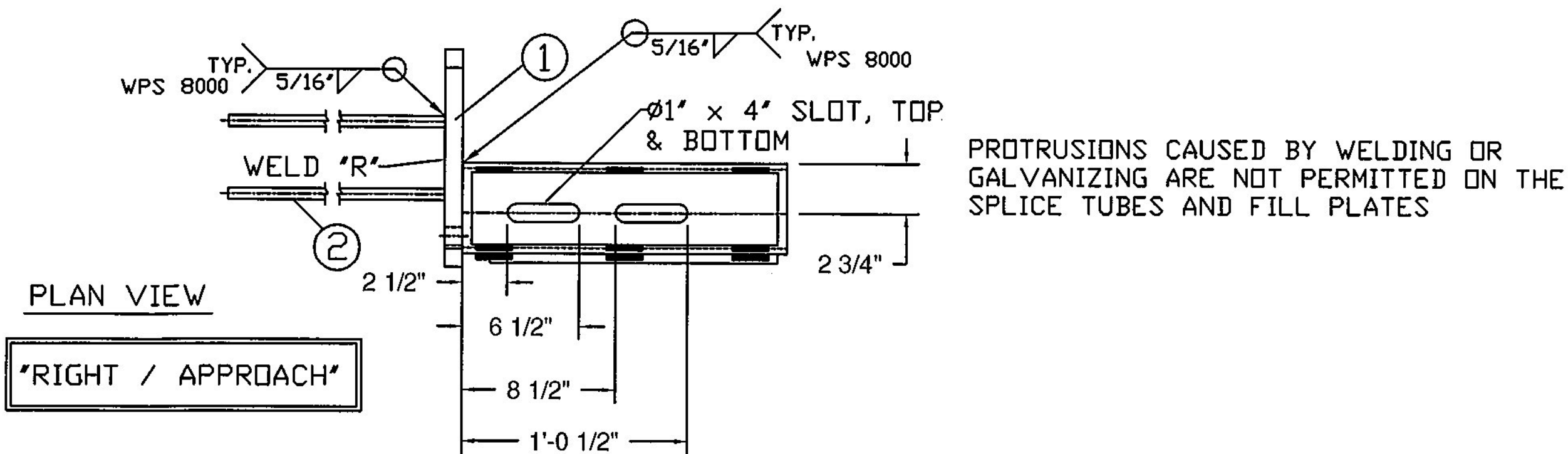


BILL OF MATERIALS PER "RIGHT/ APPROACH" (NW & SE CORNERS)			
ITEM #	QTY	DESCRIPTION	ASTM #
1	1	DBL TUBE WALL PLATE - 1" X 12" X 25"	ASTM A572 Gr. 50
2	10	#5 X 2'-0" REBAR	ASTM A615 Gr. 60
3	2	5" X 5" X 5/16" TUBE W/ SLOTS @ 18"	ASTM A500 Gr. B
4	2	SHIM PL 1/2" X 4" X 17" W/ SLOTS	ASTM A709 Gr. 36
5	2	SHIM PL 1/2" X 4" X 17" (W/O SLOTS)	ASTM A709 Gr. 36



Vermont Agency of Transportation  
**RECEIVED**  
 CK'D BY TYLin OK'D BY TYLin  
 February 13, 2017  
 RESUBMIT No Approved  
 BY Kristin Higgins DATE 2/15/2017

**T.Y. LIN INTERNATIONAL**  
 THE STAMPED DOCUMENTS ARE HEREBY:  
 X APPROVED  
 APPROVED AS NOTED  
 REVISE AND RESUBMIT  
 SEE TRANSMITTAL FOR ADDITIONAL INFORMATION AS APPLICABLE.  
 THIS REVIEW IS FOR GENERAL CONFORMANCE WITH DESIGN CONCEPT ONLY. ANY DEVIATION FROM THE PLANS OR SPECIFICATIONS NOT CLEARLY NOTED BY THE CONTRACTOR HAS NOT BEEN REVIEWED. REVIEW BY THE ENGINEER SHALL NOT RELIEVE THE CONTRACTOR OF THE CONTRACTUAL RESPONSIBILITY FOR ANY ERRORS OR DEVIATION FROM THE CONTRACT REQUIREMENTS.  
 JOSH OLUND February 15, 2017  
 REVIEWER DATE

ITEM #: 900.640

SHEET 3 OF 3

STRUCTURAL STEEL TO COMPLY W/ ASTM A6 TOLERANCE UNLESS OTHERWISE NOTED:  
 FRACTIONS = ± 1/16"  
 ANGLES = ± 1/2"  
 DIAMETERS = ± 1/32"

**BRIDGE RAIL DETAILS SHEET**  
 PROJECT 148 CHELSEA BHF 0169(9), VT ROUTE 110, RURAL MAJOR COLLECTOR BRIDGE 9  
 TOWN OF CHELSEA, COUNTY OF ORANGE, VERMONT

R NO.	DATE	DESCRIPTION	BY	R NO.	DATE	DESCRIPTION	BY
E 1	2/7/17	REVISED PER 2/3/17 DWG REVIEW	D.K.	E 1			

**ELDERLEE, INC.**  
 OAKS CORNERS, NEW YORK 14518  
 email: dlong@elderlee.com / epeek@elderlee.com  
 Tel: 315-789-6670 Fax: 315-789-6615

DRAWN D.K. 12/27/16  
 CHECKED E.P. 12/27/16  
 APPROVED D.L. 1/12/17  
 SCALE SCHEMATIC  
 DRAWING NO. F.R. LAFAYETTE - CHELSEA (9)