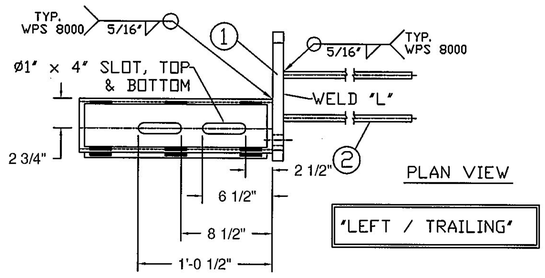
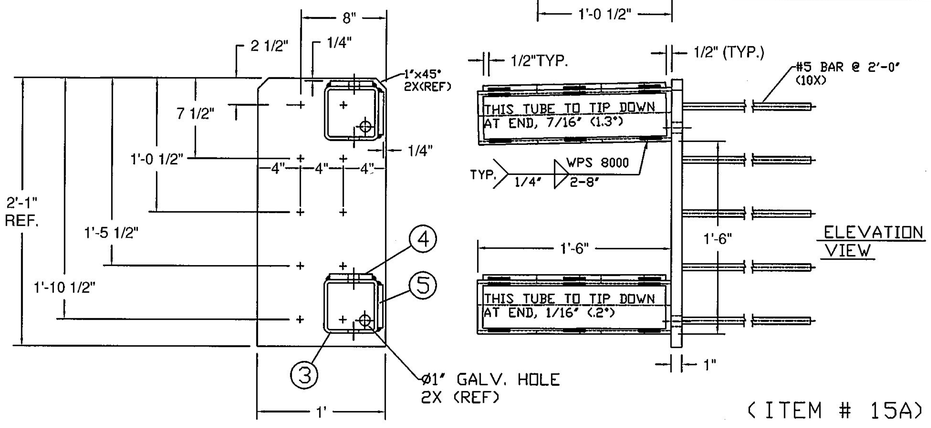
BILL OF MATERIALS- PER "LEFT/ TRAILING" (SW CORNER ONLY)			
ITEM #	QTY	DESCRIPTION	ASTM #
1	1	DBL TUBE WALL PLATE - 1" X 12" x 25"	ASTM A572 Gr. 50
2	10	#5 X 2'-0" REBAR	ASTM A615 Gr. 60
3	2	5" X 5" X 5/16" TUBE W/ SLOTS @ 18"	ASTM A500 Gr. B
4	2	SHIM PL 1/2" X 4" X 17" W/ SLOTS	ASTM A709 Gr. 36
5	2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

PROTRUSIONS CAUSED BY WELDING OR GALVANIZING ARE NOT PERMITTED ON THE SPLICE TUBES AND FILL PLATES



PLAN VIEW

"LEFT / TRAILING"

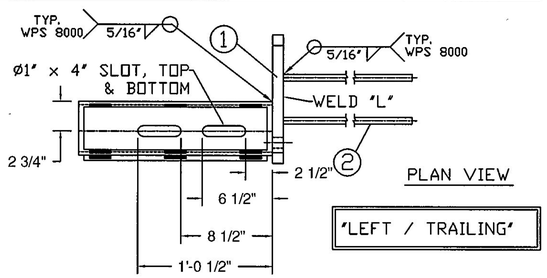


ELEVATION VIEW

(ITEM # 15A)

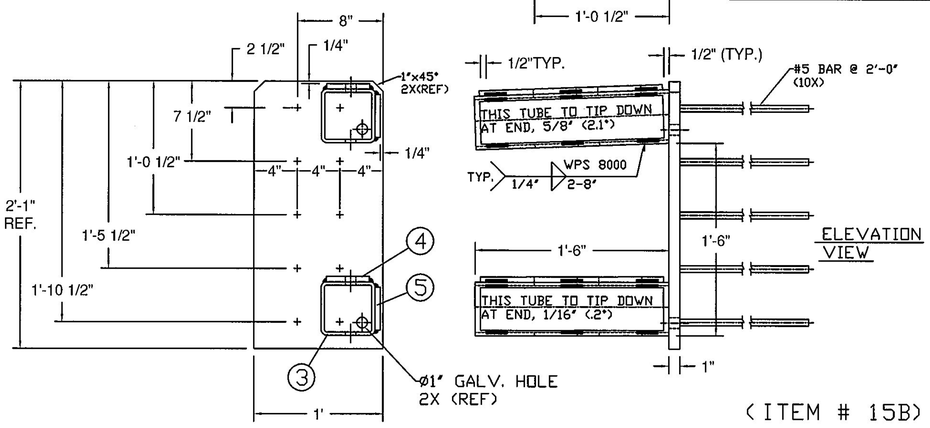
BILL OF MATERIALS - PER "LEFT/ TRAILING" (NE CORNER ONLY)			
ITEM #	QTY	DESCRIPTION	ASTM #
1	1	DBL TUBE WALL PLATE - 1" X 12" x 25"	ASTM A572 Gr. 50
2	10	#5 X 2'-0" REBAR	ASTM A615 Gr. 60
3	2	5" X 5" X 5/16" TUBE W/ SLOTS @ 18"	ASTM A500 Gr. B
4	2	SHIM PL 1/2" X 4" X 17" W/ SLOTS	ASTM A709 Gr. 36
5	2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

PROTRUSIONS CAUSED BY WELDING OR GALVANIZING ARE NOT PERMITTED ON THE SPLICE TUBES AND FILL PLATES



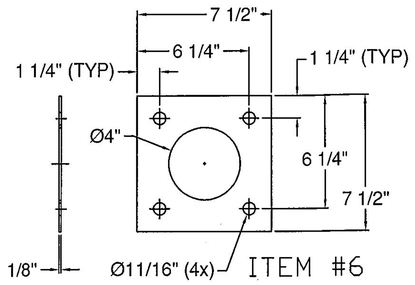
PLAN VIEW

"LEFT / TRAILING"

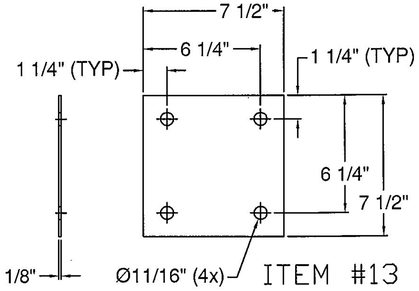


ELEVATION VIEW

(ITEM # 15B)



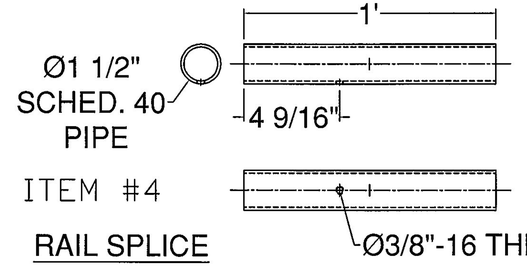
POST ANCHORAGE PLATE



POST BEARING PAD

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 (REVIEWER) February 15, 2017 (DATE)



RAIL SPLICE

BRIDGE RAIL NOTES

1. PAYMENT SHALL BE MADE UNDER PAY ITEM 900.640 SPECIAL PROVISION (BRIDGE RAILING, GALVANIZED METAL HAND RAILING/CONCRETE PARAPET COMBINATION).
2. ALL DIMENSIONS TO FACE OF CONCRETE UNLESS NOTED OTHERWISE.
3. RAIL POSTS SHALL BE SET NORMAL TO GRADE.
4. 1/8" PAD SHALL CONFORM TO SUBSECTION 731.01 OR 731.02.
5. ALL EXPOSED CUT OR SHEARED EDGES OF STEEL COMPONENTS SHALL BE ROUNDED TO A 1/16" RADIUS AND BE FREE OF BURRS.
6. RAIL POST ANCHORING NUTS SHALL BE TIGHTENED TO A SNUG FIT AND GIVEN AN ADDITIONAL ONE-EIGHTH TURN.
7. THE FABRICATOR SHALL SUBMIT FABRICATION DRAWINGS INCLUDING WELDING PROCEDURES FOR METAL HAND RAILING IN ACCORDANCE WITH SECTION 105.
8. STEEL COMPONENTS TO BE POWDER COATED DARK GREEN, CLOSELY MATCHING FEDERAL COLOR CHIP NUMBER 14062, IN ACCORDANCE WITH ASTM D7803 FOLLOWING GALVANIZING.

ITEM #: 900.640

STRUCTURAL STEEL TO COMPLY W/ ASTM A6

TOLERANCE UNLESS OTHERWISE NOTED:
FRACTIONS = ± 1/16"
ANGLES = ± 1/2°
DIAMETERS = ± 1/32"

SHEET 2 OF 3

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

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

CERTIFIED FABRICATOR

ORTHOGRAPHIC PROJECTION

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)	