

BILL OF MATERIALS				
ITEM NUMBER	DET. #	QTY	DESCRIPTION	MATERIAL
0033.90043	1	30	W6x20 FASCIA MOUNTED POST, GALVANIZED, @ 3' 1"	ASTM A572 Gr 345
0033.90044	2	8	W8x24 TRANSITION POST, GALVANIZED, @ 6' 0"	ASTM A572 Gr 345
0033.91112	3	1	TS8x4x3/16" TUBING @ 4'-8-1/2" w/WELDED CAP	ASTM A500 Gr B
0033.91113	4	6	TS8x4x3/16" TUBING @ 24'-11"	ASTM A500 Gr B
0033.91114	5	1	TS8x4x3/16" TUBING @ 14'-10" w/WELDED CAP	ASTM A500 Gr B
0033.91115	6	1	TS8x4x3/16" TUBING @ 10'-11-1/2" w/WELDED CAP	ASTM A500 Gr B
0033.91116	7	1	TS8x4x3/16" TUBING @ 21'-1" w/WELDED CAP	ASTM A500 Gr B
0033.90045	8	76	TS8x4x3/16" TUBING @ 6"	ASTM A500 Gr B
0033.90046	9	8	C7x12.25 CHANNEL @ 2' 7" (SPLICE)	ASTM A572 Gr 345
0080.15550	10	38	5/8"x10" HEX BOLT	ASTM A325
0080.15595	11	38	5/8"x13" HEX BOLT	ASTM A325
0080.15036	12	108	5/8"x2" HEX BOLT	ASTM A325
0080.15990	13	38	3/16"x1 3/4"x3" SPECIAL WASHER	ASTM A572 Gr 345
0080.15901	14	152	5/8" HEX NUT	ASTM A563
0080.15911	15	336	5/8" FLAT WASHER	ASTM A436
0080.18960	16	120	1/4"x2"x5" PLATE WASHER	ASTM A572 Gr 345
6043.00012	17	17	10 GAUGE "W" BEAM @ 12' 6"	AASHTO M180-CI B, TYPE II
0080.05020	18	144	5/8"x1-1/4" SPLICE BOLT/RECESSED NUT (PANEL ASS'Y)	ASTM A307
0080.18851	19	60	Ø 1", 10" x 12" "U" ANCHORS	ASTM A449
0080.18901	20	240	1" HEX NUT	ASTM A563
0080.18911	21	120	1" FLAT WASHER	ASTM F436
XXX	22	9	DELINEATOR	ALUMINUM

- NOTES:
- ALL WORK AND MATERIALS PRIOR TO GALVANIZING THE ALL POSTS SHALL BE SET N
 - SPLICES FOR STEEL BEAM A RAILING JOINT SPLICE SH ABUTMENT BRIDGE AND AT
 - SEE STANDARD DRAWING C AT EVERY FIFTH POST. WHI BRIDGES, YELLOW IS TO BE
 - FOR RADII LESS THAN 950 F
 - HOLES IN RAIL FOR RAIL TU WITH AN APPROVED ZINC-F
 - SEE STANDARDS G-1 AND C

SHOP DRAWING REVIEW

REVIEWED AS REQUIRED BY THE CONSTRUCTION CONTRACT DOCUMENTS AND APPROVED, BUT ONLY FOR CONFORMANCE TO THE DESIGN CONCEPT OF THE WORK, AND SUBJECT TO FURTHER LIMITATIONS AND REQUIREMENTS CONTAINED IN THE CONSTRUCTION CONTRACT DOCUMENTS.

REJECTED REVISE AND RESUBMIT FURNISH AS CORRECTED

CORRECTIONS OR COMMENTS MADE ON THE SHOP DRAWINGS DURING THIS REVIEW DO NOT RELIEVE CONTRACTOR FROM COMPLIANCE WITH REQUIREMENTS OF THE DRAWINGS AND SPECIFICATIONS. THIS CHECK IS ONLY FOR REVIEW OF GENERAL CONFORMANCE WITH THE DESIGN CONCEPT OF THE PROJECT AND GENERAL COMPLIANCE WITH THE INFORMATION GIVEN IN THE CONTRACT DOCUMENTS. THE CONTRACTOR IS RESPONSIBLE FOR: CONFIRMING AND CORRELATING ALL QUANTITIES AND DIMENSIONS; SELECTING FABRICATION PROCESSES AND TECHNIQUES OF CONSTRUCTION; COORDINATING HIS WORK WITH THAT OF ALL OTHER TRADES; AND PERFORMING HIS WORK IN A SAFE AND SATISFACTORY MANNER.

Vanasse Hangen Brustlin, Inc.
7056 US Route 7
North Ferrisburgh, VT 05473
802.425.7788

Job Number: 57428.00

Reviewed By: S.E. Burbank

Date: 7/24/2014

Vermont Agency of Transportation
RECEIVED

CK'D BY MJC OK'D BY TAS

July 23, 2014

RESUBMIT No Approved

BY M. J. Chenette DATE 07/24/2014

ITEM #: 900.640 SOLD TO: F.R. LAFAYETTE (PO#28720) SHEET 1 OF 2

APPROVED BY: _____

SPECIAL PROVISION BRIDGE RAIL, GALV. HDSB/FM/ST
BRATTLEBORO BRO 1442 (35) TH 12, CLASS III (LOCAL ROAD), BRIDGE NO. 7
TOWN OF BRATTLEBORO, COUNTY OF WINDHAM, VERMONT

R NO.	DATE	DESCRIPTION	BY	R NO.	DATE	DESCRIPTION	BY
1	5/23/14	REVISED PER 5/22/14 MARK-UP	EP				
2	6/18/14	REVISED PER 6/12/14 MARK-UP	EP				

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

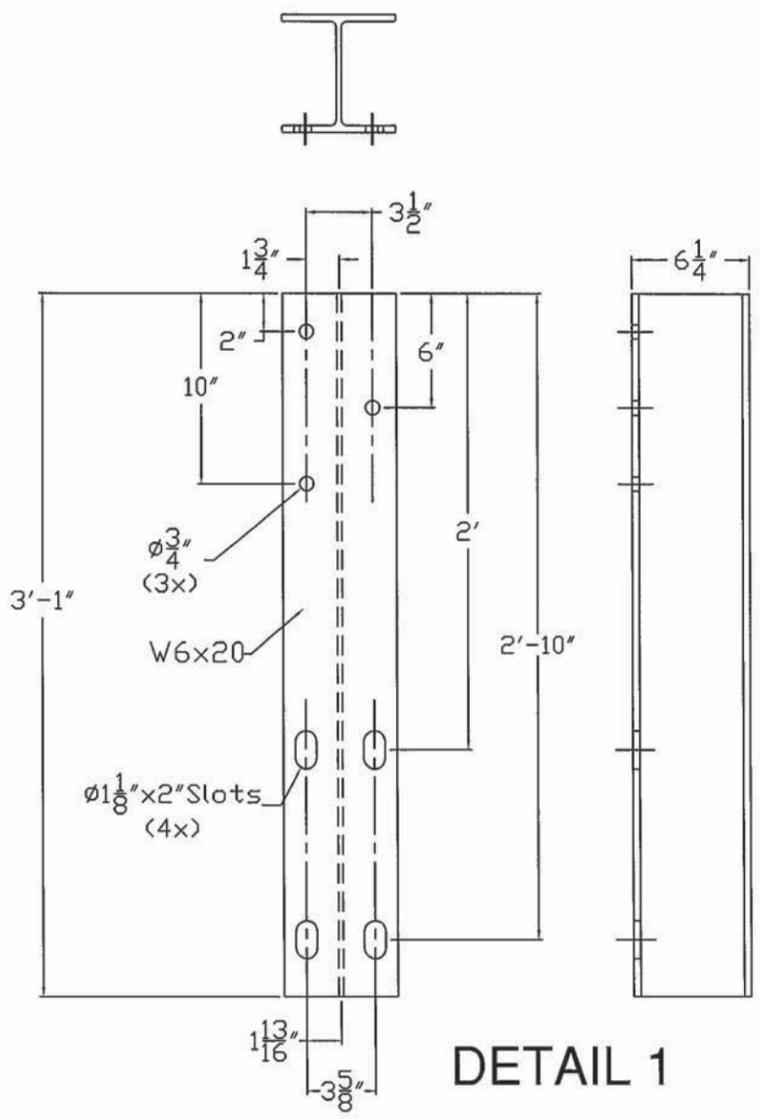
DRAWN D.L. 05/07/2014

CHECKED E.P. 05/07/2014

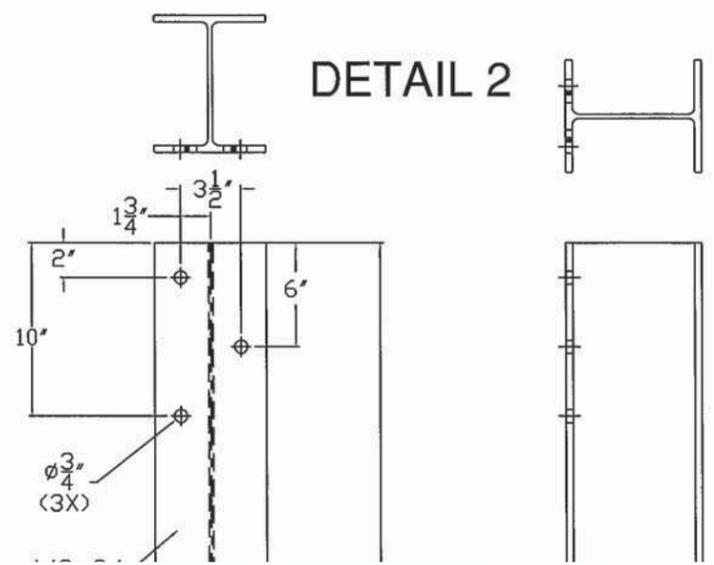
APPROVED

SCALE SCHEMATIC

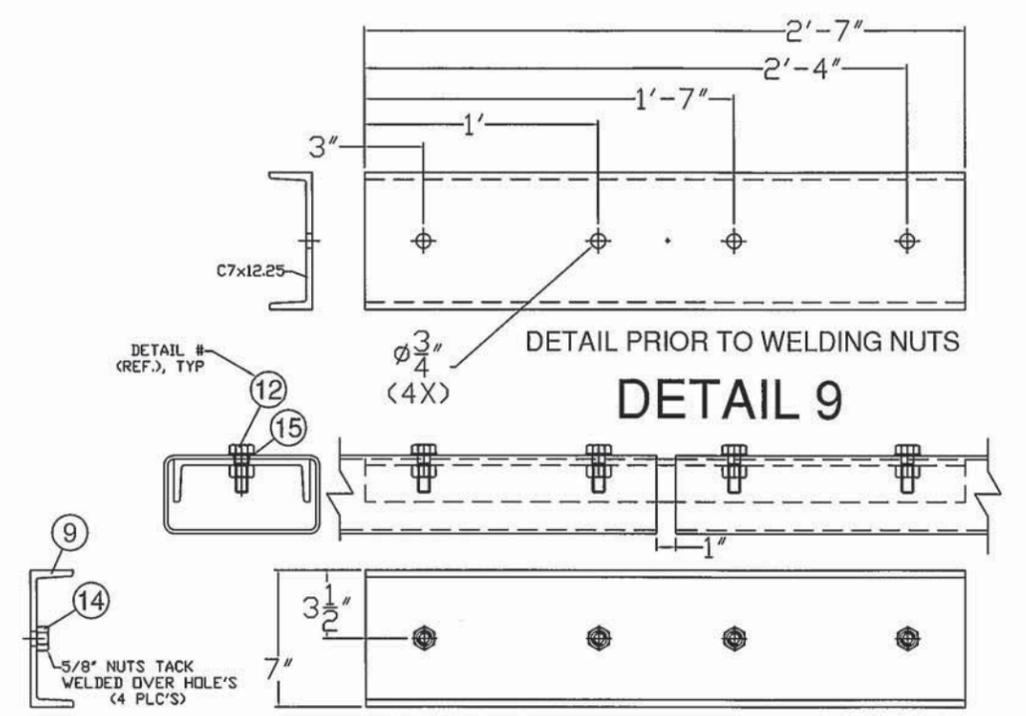
DRAWING NO. FRL BRATTLEBORO



DETAIL 1



DETAIL 2



DETAIL 9

SHOP DRAWING REVIEW

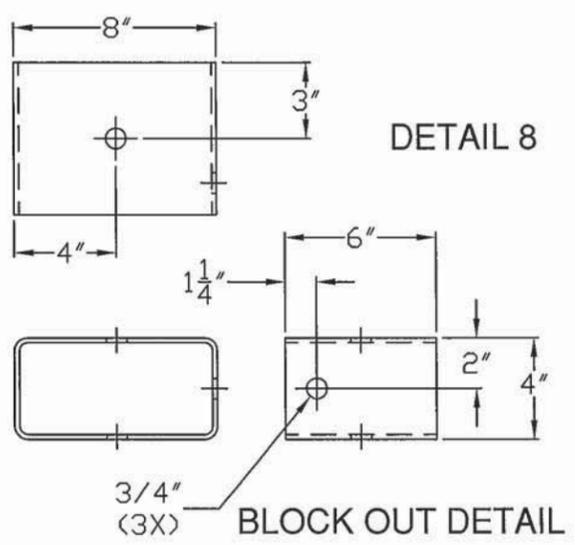
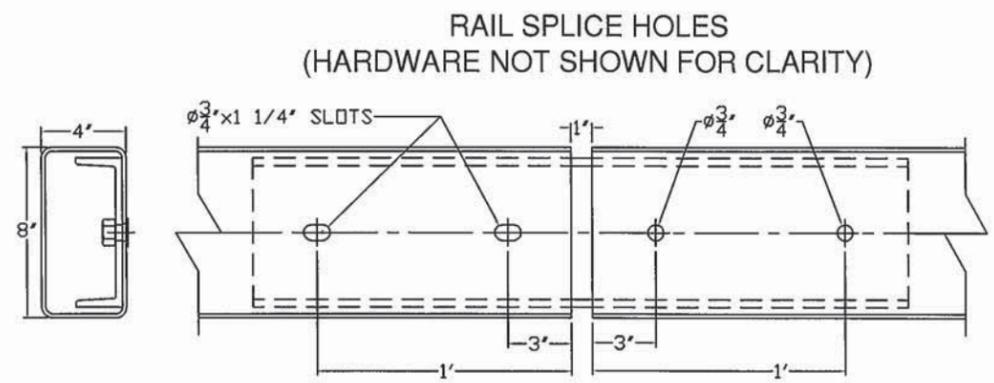
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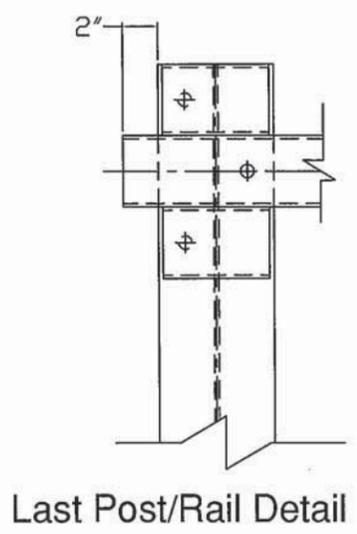
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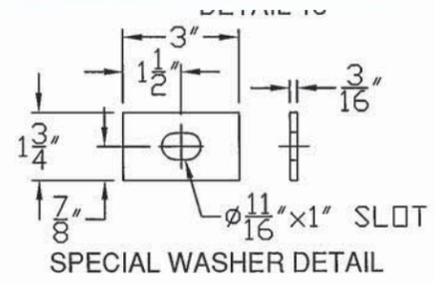
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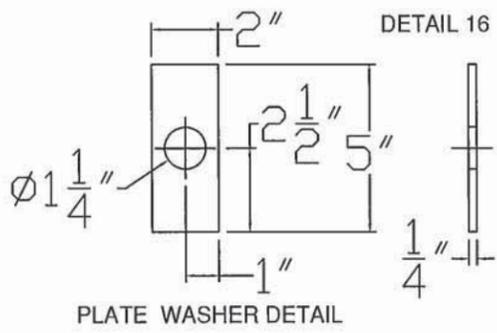
DETAIL 8



Last Post/Rail Detail



SPECIAL WASHER DETAIL



DETAIL 16

PLATE WASHER DETAIL

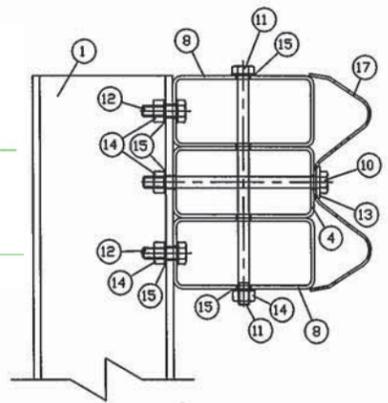
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