



T.Y. LIN INTERNATIONAL
 THE STAMPED DOCUMENTS ARE HEREBY:

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 02/28/2014
 REVIEWER DATE

Vermont Agency of Transportation
RECEIVED
 ON: February 28, 2014
 and Checked for
CONFIRMANCE
 BY: Rob Young DATE: 03/07/2014

ITEM #	HARDWARE NOTES	FUNCTION
19	BOLT RAIL TO SHELF ANGLE (ITEM #10)	
20	BOLT SHELF ANGLE (ITEM #'S 10 & 11) TO POST	
21	BOLT BLOCK-OUTS (ITEM #'S 13 & 14) TO HEAVY POST	
22	(4) PER SPlice BAR (ITEM #9)	
23	(4) PER SPlice TUBING (ITEM #'S 7 & 8)	
24	BOLT RAIL (ITEMS #'S 6, 17, & 18 TO BLOCK-OUTS (ITEM #'S 13 & 14) (WHERE FASTENED)	
25	BOLT DOUBLE BEND SPlice TUBE (ITEM #12) TO RAIL (ITEM #10) & KICKBACK (ITEM #15)	

ITEM #	QTY.	COMPONENT #	DESCRIPTION	MATERIAL (ASTM)
1	3	0013.57021	3" I-POST, PUNCH Ø" W/SPD @ 63" LG	ASTM A572 Gr. 50
2	3	0013.57025	3" I-POST, PUNCH Ø", & 20" W/SPD @ 63" LG	ASTM A572 Gr. 50
3	2	0013.57060	3" I-END POST W/SPD @ 3'-8" LG	ASTM A572 Gr. 50
4	4	0013.09001	W6X9 POST @ 7" W/SPD @ 5/8" HOLES	ASTM A572 Gr. 50
5	4	0013.57010	3" I-POST, PUNCH Ø" & 20" W/8X32" SPARE Ø"	ASTM A572 Gr. 50
6	1	0033.00403	3X5" BIM TRANS RAIL W/5'-0" KB, EXP END	A500 Gr. B
7	1	0033.00640	HSS 5X5 TUBE SPlice @ 27" LG W/ 1/4" SHIMS	A500 Gr. B / A572 Gr. 50
8	2	0033.00730	HSS 5X5 EXP TUBE SPlice @ 36" LG W/ 1/4" SHIMS	A500 Gr. B / A572 Gr. 50
9	1	0033.00930	BR EXP BAR SPlice 2-1/8" X 4-1/4" @ 36" LG	ASTM A36
10	19	0054.00050	REG BB SHELF ANGLES @ 4-1/2"	ASTM A36
12	1	0054.00074	HSS 5X5 DUB. BEND TUBE SPL @ 27" LG	A500 Gr. B / A572 Gr. 50
13	8	0054.00263	6X8" TRANS. TUBE B/O @ 6" LG	A500 Gr. B
14	3	0054.00265	6X8" TRANS. TUBE B/O @ 3" LG	A500 Gr. B
15	1	0054.09000	6X6" BB @ 9'-0" KICKBACK, W/ CAP	A500 Gr. B / A36
16	0.5	0054.18000	6X6" BB @ 17'-11 1/2", DRILL 3" DC	A500 Gr. B
17	1	0054.90092	6X6" BB TOP TRANS @ 20'-9 3/8" LG W/EXP END	A500 Gr. B
18	1	0054.90093	6X6" BB BIM TRANS @ 21'-4 5/8" LG W/EXP END	A500 Gr. B
19	18	0080.03255	3/8" X 7 1/2" BOLT, NUT, & 2 FW	A307, A563, F436
20	19	0080.04100	1/2" X 1-1/2" BOLT, NUT, & FW	A307, A563, F436
21	22	0080.04120	1/2" X 1-1/2" BOLT, NUT, & 2 FW & LV	A307, A563, F436
22	4	0080.06255	3/4" X 4-1/2" BOLT, NUT, & 2 FW	A325, A563, F436
23	12	0080.06340	3/4" X 7-1/2" BOLT, NUT, & 2 FW	A325, A563, F436
24	6	0080.06370	3/4" X 8" CARR BOLT, NUT, FW & LV	A307, A563, F436
25	2	0080.06400	3/4" X 8" BOLT, NUT, & 2 FW, & LV	A325, A563, F436

ITEM #: 621.725
 APPROVED BY:

F.R. LAFAYETTE, CAVENDISH VERMONT

GUARD RAIL TO BRIDGE RAIL TRANSITION DETAILS SHEET
 CAVENDISH, ER BR# 0416 (13), ROUTE VT 131, OVER TWENTY MILE STREAM

R NO.	DATE	DESCRIPTION	BY	R NO.	DATE	DESCRIPTION	BY
1	2/17/14	REVISED PER 12/20/13 MARK-UP	EP				

VERMONT

ELDERLEE, INC.
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DRAWN	E.P.	11/13/13
CHECKED	D.L.	11/20/13
APPROVED		
SCALE	SCHEMATIC	
DRAWING NO. F.R. LAFAYETTE, CAVENDISH		