



BILL OF MATERIAL			
ITEM	QTY	DESCRIPTION	ASTM DESIGNATION
1	2	RAIL SECTION "A" W/ BASE PLATE	A500/A53 Gr. B/A572 Gr. 50
2	16	RAIL SECTION "B" W/ BASE PLATE	A500/A53 Gr. B/A572 Gr. 50
3	2	RAIL SECTION "C" W/ BASE PLATE	A500/A53 Gr. B/A572 Gr. 50
4	36	RAIL SPLICE (1 1/2" SCHEDULE 40)	A500/A53 Grade B
5	36	Ø3/8" X 1/2" SOCKET, BUTTON HEAD CAP SCREW	A307
6	20	POST ANCHOR PLATES, 1/8" X 7 1/2" X 7 1/2"	A36
9	*82	Ø 5/8" X 10" FULLY THREADED ANCHOR STUDS	A449
10	80	Ø 5/8" HEX JAM NUTS	A563
11	*162	Ø 5/8" HEAVY HEX NUTS	A563
12	*242	Ø 5/8" FLAT WASHERS	F436
13	20	1/8" X 7 1/2" X 7 1/2" POST BEARING PAD	AASHTO M251
15A	1	APPROACH, END WALL CONNECTOR (SW CORNER)	SEE BOM ON SHEET 2 OF 3
15B	1	APPROACH, END WALL CONNECTOR (NE CORNER)	SEE BOM ON SHEET 2 OF 3
15C	2	TRAILING, END WALL CONNECTORS (NW & SE CORNERS)	SEE BOM ON SHEET 3 OF 3

* - TWO ADDITIONAL FOR Vtrans QA TESTING

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
 REVIEWER
 February 15, 2017
 DATE

ITEM #: 900.640
 STRUCTURAL STEEL TO COMPLY W/ ASTM A6
 TOLERANCE UNLESS OTHERWISE NOTED:
 FRACTIONS = ± 1/16"
 ANGLES = ± 1/2"
 DIAMETERS = ± 1/32"

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

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)	

ELDERLEE, INC.
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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

VIEW A-A
POST DETAIL