



SOUTH RAILING FACING SOUTH

BILL OF MATERIAL - SOUTH				
ITEM #	QTY	PART #	DESCRIPTION	ASTM DESIGNATION
1	19	0033.03610	W6x25, THREE RAIL POST @ 2'-9" OA ON 1 1/4x10x1'-2" B.P.	A572 Gr. 50
2	2	0033.22200	HSS 3' X 5' X 1/4" RAIL @ 21'-11 1/2' (EXP)	A500 Gr. B
3	2	0033.12400	HSS 3' X 5' X 1/4" RAIL @ 23'-11 1/2'	A500 Gr. B
4	1	0033.128011	HSS 3' X 5' X 1/4" RAIL @ 28'-1 3/4'	A500 Gr. B
5	1	0033.23200	HSS 3' X 5' X 1/4" RAIL @ 31'-11 1/2' (EXP)	A500 Gr. B
6	4	0033.62400	HSS 6' X 6' X 3/16" RAIL @ 23'-11 1/2' (EXP)	A500 Gr. B
7	4	0033.52400	HSS 6' X 6' X 3/16" RAIL @ 23'-11 1/2'	A500 Gr. B
8	2	0033.528011	HSS 6' X 6' X 3/16" RAIL @ 28'-1 3/4'	A500 Gr. B
9	2	0033.53200	HSS 6' X 6' X 3/16" RAIL @ 31'-11 1/2'	A500 Gr. B
10	5	0033.00840	2-1/8" X 4-1/4" FIX. SPLICE BAR @ 2'-3"	A572 Gr. 50
11	10	0033.00640	HSS 5' X 5' X 5/16" FIX. SPLICE TUBE @ 2'-3"	A500 Gr. B, A572 Gr. 50
12	19	0033.00220	3/8" X 10" X 14" ANCHOR PLATES	A572 Gr. 50
13	19	0033.90050	1/8" X 10" X 14" FABRIC PAD	AASHTO M251
14	76	0042.21013	Ø 1" X 13" ANCHOR STUDS, W/ 2 1/4" THD. EACH END	A449
15	152	0080.18901	Ø 1" HEAVY HEX NUTS	A563 DH
16	76	0080.18911	Ø 1" FLAT WASHERS	F436
17	76	0080.18905	Ø 1" HEX JAM NUTS	A563 DH
18	76	0080.07500	Ø 7/8" X 8" ROUND HEAD BOLT, NUT, SQ. WASHER, L.W.	A449, A563 DH, F436, ASME D18.2
19	19	0080.06400	Ø 3/4" X 8" HEX BOLT, NUT, (2) F.W., & L.W.	A325, A563 DH, F436, & ASME D18.2
20	38	0080.06140	Ø 3/4" X 2-3/4" HEX BOLT, NUT, (2) F.W., & L.W.	A325, A563 DH, F436, & ASME D18.2
21	40	0080.06340	Ø 3/4" X 7-1/2" HEX BOLT, NUT, & (2) F.W.	A325, A563 DH, & F436
22	20	0080.06255	Ø 3/4" X 4-1/2" HEX BOLT, NUT, & (2) F.W.	A325, A563 DH, & F436
23	19	0033.00500	L5" X 5" X 5/8" RAILING ANGLE @ 6°	A572 Gr. 50
24	5		DELINEATORS - NOT SHOWN	(SUPPLIED BY CUSTOMER)

ITEM #: 525.335

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
 VT ROUTE 108 (MAJOR COLLECTOR), BRIDGE #3
 TOWN OF STOWE, COUNTY OF LAMOILLE, VT.

R NO.	DATE	DESCRIPTION	BY	R NO.	DATE	DESCRIPTION	BY

ELDERLEE, INC.
 OAKS CORNERS, NEW YORK 14618
 email: dlong@elderlee.com / epaek@elderlee.com
 Tel: 315-789-6670 Fax: 315-789-6615

CERTIFIED FABRICATOR
 PROJECTION

DRAWN E.P. 9/1/15
CHECKED D.L. 9/1/15
APPROVED
SCALE SCHEMATIC
DRAWING NO. F.R.L.-STOWE BRP 0235 (15)