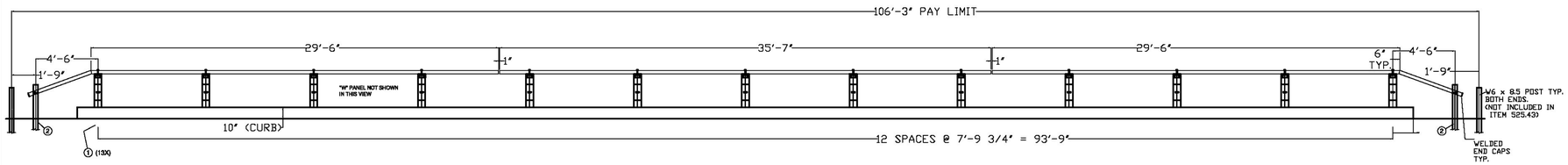
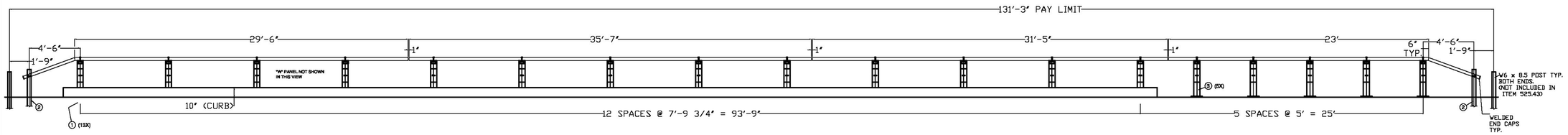


NORTH RAILING FACING NORTH



SOUTH RAILING FACING SOUTH

Vermont Agency of Transportation

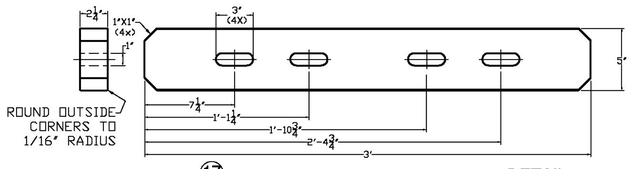
RECEIVED

CK'D BY JEL OK'D BY KMH

1:49 pm, Jun 02, 2010

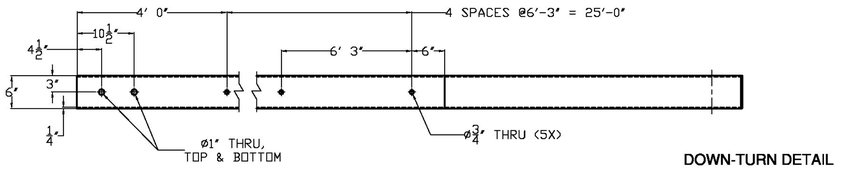
RESUBMIT ____ APPROVED X

BY KMH DATE 6-2-10

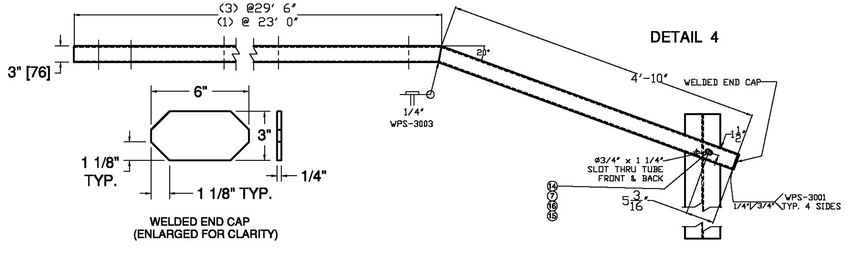


DETAIL 20

SPLICE BAR DETAIL

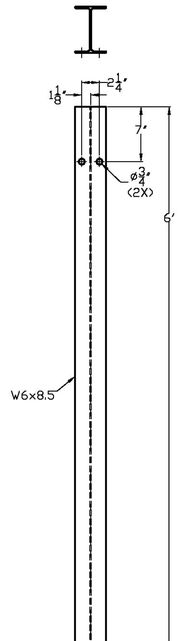


DOWN-TURN DETAIL

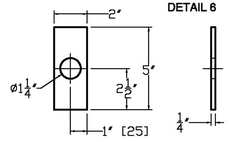


WELDED END CAP (ENLARGED FOR CLARITY)

DETAIL 4

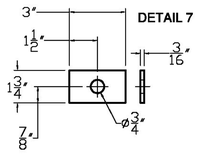


DETAIL 2



DETAIL 6

PLATE WASHER DETAIL

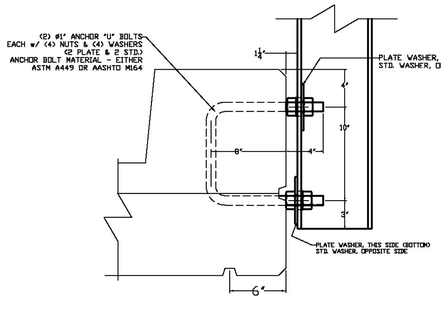


DETAIL 7

SPECIAL WASHER DETAIL

L3 1/2 x 5 x 3/8" RAILING ANGLE

DETAIL 21



ANCHORAGE DETAIL

BILL OF MATERIALS

DET. #	QTY	DESCRIPTION	MATERIAL
1	26	W8x24 FASCIA POST @ 4'-1"	ASTM A572
2	4	W6x8.5 TRANSITION POST @ 6'-0"	ASTM A36
3	5	W8x24 POST ON BASE @ 3'-6"	ASTM A572
4	3	6"x3"x1/4" END SECTION @ 29' 6" W/ WELDED END CAP	ASTM A500 Gr B
4	1	6"x3"x1/4" END SECTION @ 23' 0" W/ WELDED END CAP	ASTM A500 Gr B
4	2	6"x3"x1/4" RAIL @ 31' 5"	ASTM A500 Gr B
5	2	6"x3"x1/4" RAIL @ 35' 7"	ASTM A500 Gr B
6	104	1/4"x2" PLATE WASHER @ 5"	ASTM A36
7	35	1/4"x1-3/4" SPECIAL WASHER @ 3"	ASTM A36
8	31	WOODEN OFFSET BLOCK @ 14" - SUPPLIED BY OTHERS	---
9	19	10 GAUGE "V" BEAM @ 12' 6"	AASHTO M180-CL B, TYPE II
10	152	5/8"x1-1/4" SPLICE BOLT / RECESSED NUT (PANEL ASS'Y)	ASTM A307
11	31	5/8"x10" CARRIAGE BOLT	ASTM A307
12	62	5/8"x2" HEX BOLT	ASTM A307
13	31	5/8"x4-1/2" HEX BOLT	ASTM A307
14	4	5/8"x8" CARRIAGE BOLT	ASTM A307
15	128	5/8" HEX NUT	ASTM A307
16	221	5/8" FLAT WASHER	ASTM A307
17	20	3/4"x4" HEX BOLT	ASTM A325
18	20	3/4" HEAVY HEX NUT	ASTM A563
19	40	3/4" FLAT WASHER	ASTM F436
20	5	2 1/4"x5"X36' EXP. SPLICE BAR	ASTM A36 OR ASTM A572
21	31	3/8"x3-1/2"x5" SHELF BRACKET @ 6-1/2"	ASTM A36
22	52	U BOLTS, NUTS, F.W. - SUPPLIED BY OTHERS	ASTM A449 OR AASHTO M164
23	9	DELINEATOR	ALUMINUM

ITEM #: 525.60-BRIDGE RAIL, TYPE III GEN CONTR: F R LaFayette SHEET 1 OF 2

APPROVED BY:

BRIDGE RAIL DETAILS SHEET

MIDDLEBURY, PROJECT # STP 2627(1)

TOWN OF MIDDLEBURY, STATE OF VERMONT

R E V	NO.	DATE	DESCRIPTION	BY

R E V	NO.	DATE	DESCRIPTION	BY

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

ACTIVE MEMBER

DRAWN	E.P.	4/2/10
CHECKED	D.L.	4/2/10
APPROVED	D.L.	4/5/10
SCALE	SCHEMATIC	

DRAWING NO. F R LaFayette EM10-021