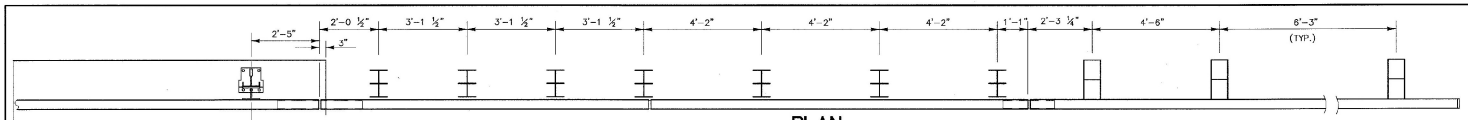
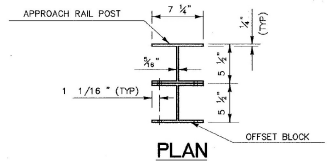


PLAN



PLAN

ALUMINUM APPROACH RAIL
RAIL DIMENSIONS FOR A CURB CONDITION

POST NO.	RAIL HEIGHT DIMENSIONS A	B	C	OFFSET BLOCK DIMENSIONS D	E	F	G
1	4'-1 13/16"	3'-2 13/16"	1'-9¾"	0'-11⅜"	1'-5 3/16"	2'-9⅛"	1'-10 3/16"
2	3'-10⅜"	3'-1 3/16"	1'-9⅜"	0'-9 13/16"	1'-3 13/16"	2'-6¼"	1'-8 13/16"
3	3'-7 9/16"	2'-11¾"	1'-9"	0'-8"	1'-2 13/16"	2'-3 5/16"	1'-7 13/16"
4	3'-4"	2'-10⅛"	1'-8⅜"	0'-6 9/16"	1'-1½"	2'-0⅜"	1'-6½"
5		2'-7 13/16"	1'-8⅛"		0'-11 13/16"		1'-4 13/16"
6		2'-5 13/16"	1'-7⅜"		0'-10 3/16"		1'-3 3/16"
7		2'-3 13/16"	1'-7⅛"		0'-8 9/16"		1'-1½"

ALL REMAINING POSTS ARE TO HAVE THE SAME DIMENSIONS AS POST NO. 7

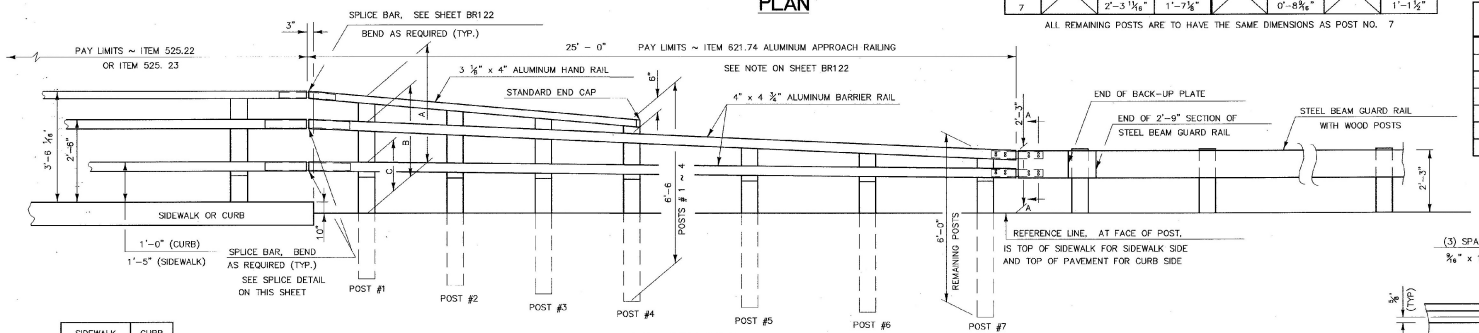
NOTES:

1. POST 1 THROUGH 7 SHALL BE EXTRUDED ALUMINUM.
2. ALL STRUCTURAL STEEL SHALL BE AASHTO M270 GRADE 36 GALVANIZED AFTER FABRICATION.
3. ALL ITEMS NOT OTHERWISE INDICATED SHALL MEET THE SPECIFICATION REQUIREMENTS OF THE STANDARD SHEETS ON WHICH THEY ARE DETAILED.
4. SEE STANDARD G-1D FOR STEEL BEAM GUARD RAIL DETAILS. SEE SHEETS BR121 AND BR122 FOR ALUMINUM BRIDGE RAILING DETAILS.
5. THE COST OF ALL MATERIALS AND LABOR FOR THE SPLICE BETWEEN THE ALUMINUM APPROACH RAILING AND THE STEEL BEAM GUARD RAIL SHALL BE SUBSIDIARY TO ITEM 621.74, ALUMINUM APPROACH RAILING.
6. DETAILS ARE SHOWN FOR TRANSITION TO A 3 RAIL ALUMINUM BRIDGE RAILING.
7. DIMENSIONS SHOWN ARE FROM A REFERENCE LINE AT THE FACE OF POST FOR A NORMAL CROWNED SECTION. APPROPRIATE CORRECTIONS SHALL BE MADE FOR CROSS SLOPES OTHER THAN A NORMAL SECTION.

ALUMINUM APPROACH RAIL
RAIL DIMENSIONS FOR A SIDEWALK CONDITION

POST NO.	RAIL HEIGHT DIMENSIONS A	B	C	OFFSET BLOCK DIMENSIONS D	E	F	G
1	3'-4¾"	2'-5¾"	1'-5 1/16"	0'-11 7/16"	1'-0 11/16"	2'-4 11/16"	1'-5 11/16"
2	3'-2 11/16"	2'-5⅜"	1'-5 3/16"	0'-9¾"	1'-0 3/16"	2'-2⅜"	1'-5 3/16"
3	3'-0 11/16"	2'-5 1/16"	1'-5 5/16"	0'-8"	0'-11 3/16"	2'-0⅜"	1'-4 11/16"
4	2'-10 11/16"	2'-4⅜"	1'-5 7/16"	0'-6 7/16"	0'-11¼"	1'-10¼"	1'-4¼"
5		2'-4⅛"	1'-5 3/16"		0'-10 9/16"		1'-3 9/16"
6		2'-3⅜"	1'-5 11/16"		0'-9 13/16"		1'-2 13/16"
7		2'-3⅛"	1'-5⅞"		0'-9¼"		1'-2¼"

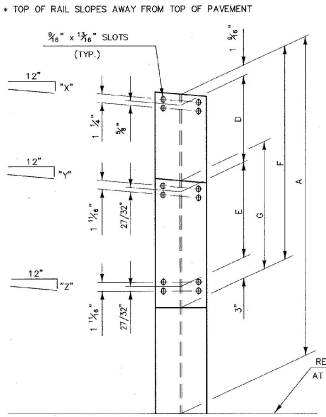
ALL REMAINING POSTS TO HAVE THE SAME DIMENSIONS AS POST NO. 7



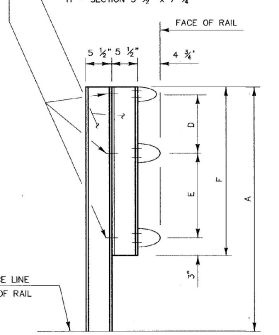
ELEVATION

	SIDEWALK SIDE	CURB SIDE
"X"	.054	.088
"Y"	.010	.043
"Z"	-.003 *	.010

* TOP OF RAIL SLOPES AWAY FROM TOP OF PAVEMENT

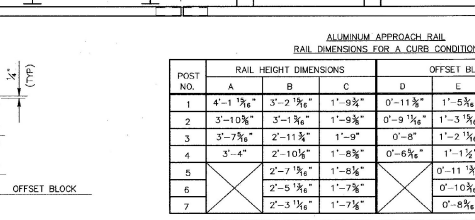


FRONT ELEVATION

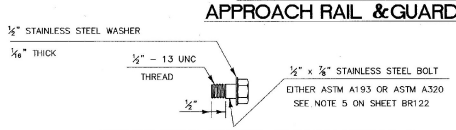


SIDE ELEVATION

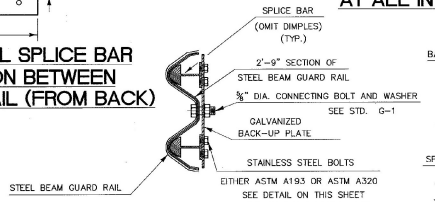
APPROACH RAIL DETAILS



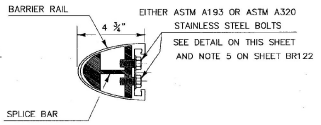
ELEVATION OF BARRIER RAIL SPLICE BAR TO BE USED AT TRANSITION BETWEEN APPROACH RAIL &GUARD RAIL (FROM BACK)



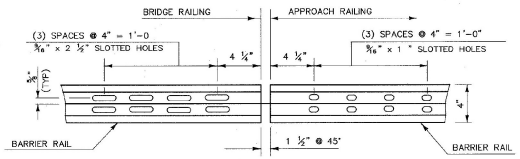
STAINLESS STEEL BOLT DETAILS



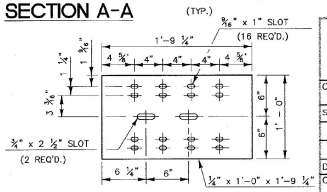
SECTION A-A



TYPICAL SECTION THROUGH BARRIER RAIL SPLICE



ELEVATION OF BARRIER RAIL (FROM BACK)



BACK-UP PLATE DETAILS

BETTIGOLE ANDREWS & CLARK, INC.
Consulting Engineers

STATE OF VERMONT
AGENCY OF TRANSPORTATION

CITY OF BARRE	BRIDGE NO. B-10
STREET NAME BLACKWELL STREET	LOG STA. / SURV. STA.
BLACKWELL STREET OVER STEVENS BRANCH	
ALUMINUM APPROACH RAILING DETAILS	
DESIGNED BY J. Patusky	DRAWN BY S. Belanger
CHECKED BY V. DeAngelo DATE 11/98	BRIDGE DESIGN SUPERVISOR J. Patusky DATE 11/98
PROJECT BARRE CITY	PROJECT NO. BRM 6000(13)
BA&C DRAWING NO. BLACK16/1	DATE 12/98
BRIDGE SHEET NO. BR123	SHEET 36 OF 46

V:\92C36C3\DWGS\BLACK16.DWG Fri Feb 26 14:23:20 1999 Computer # 20