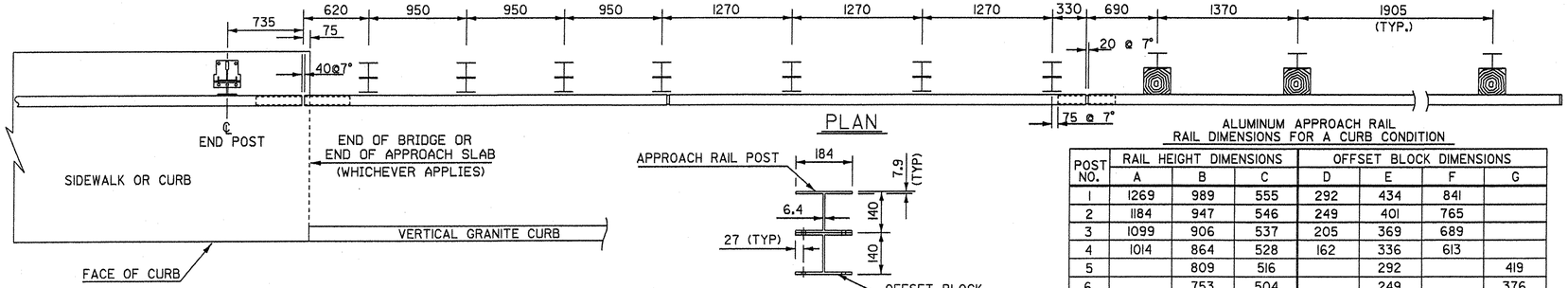
Metric



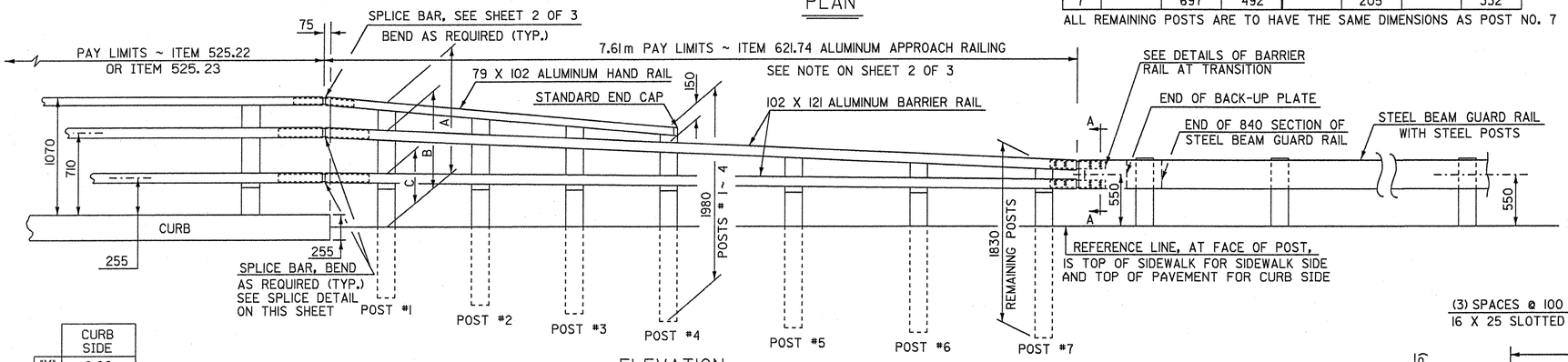
PLAN

PLAN

ALUMINUM APPROACH RAIL
RAIL DIMENSIONS FOR A CURB CONDITION

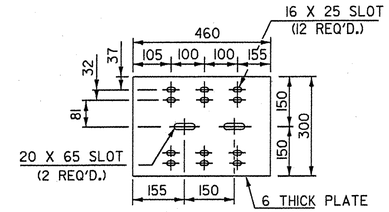
POST NO.	RAIL HEIGHT DIMENSIONS			OFFSET BLOCK DIMENSIONS			
	A	B	C	D	E	F	G
1	1269	989	555	292	434	841	
2	1184	947	546	249	401	765	
3	1099	906	537	205	369	689	
4	1014	864	528	162	336	613	
5		809	516		292		419
6		753	504		249		376
7		697	492		205		332

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

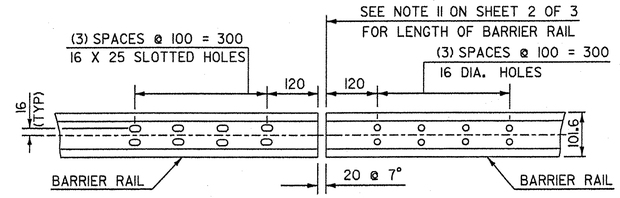


ELEVATION

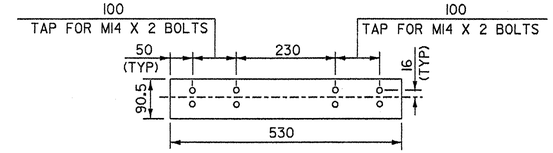
	CURB SIDE
"X"	8.96
"Y"	4.38
"Z"	0.95



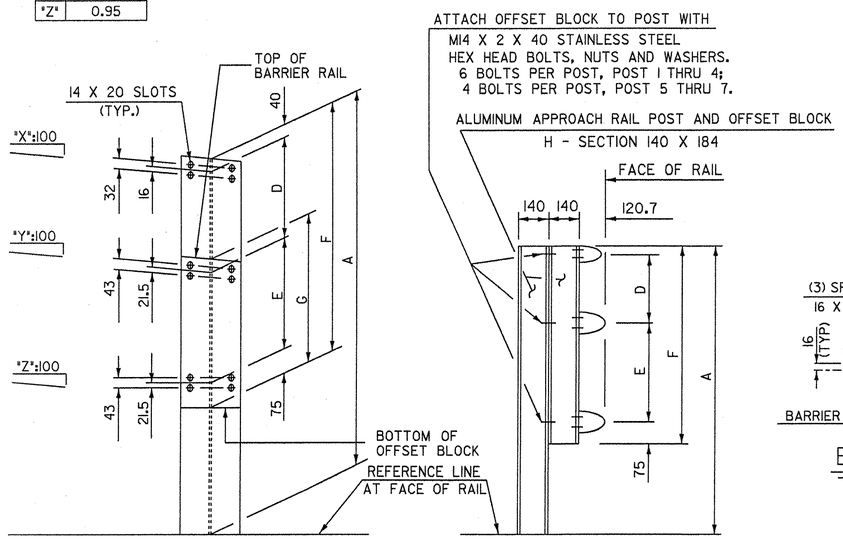
BACK-UP PLATE DETAILS



ELEVATION OF BARRIER RAIL (FROM BACK)
AT ALL INTERMEDIATE RAIL SPLICES



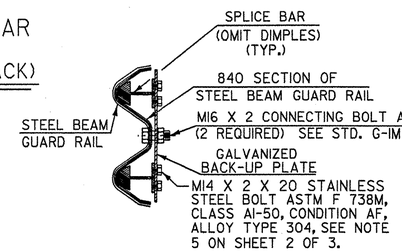
ELEVATION OF BARRIER RAIL SPLICE BAR
TO BE USED AT TRANSITION BETWEEN
APPROACH RAIL & GUARD RAIL (FROM BACK)



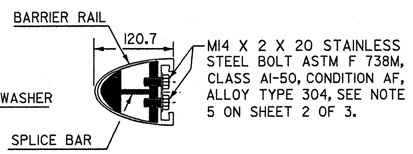
FRONT ELEVATION

SIDE ELEVATION

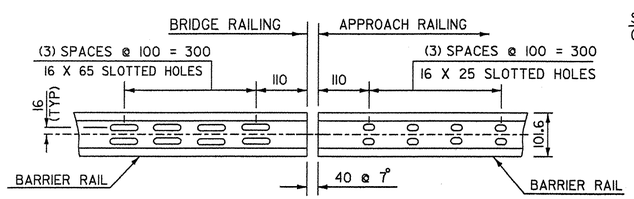
APPROACH RAIL DETAILS



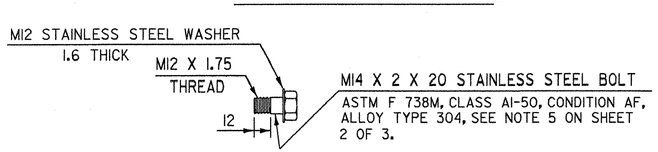
SECTION A-A



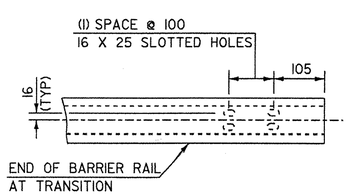
TYPICAL SECTION THROUGH
BARRIER RAIL SPLICE



ELEVATION OF BARRIER RAIL (FROM BACK)



STAINLESS STEEL BOLT DETAILS
(FOR SPLICE BARS)



ELEVATION OF BARRIER RAIL
(FROM FRONT) AT TRANSITION

NOTES

1. POST 1 THROUGH 7 SHALL BE EXTRUDED ALUMINUM.
2. ALL STRUCTURAL STEEL SHALL BE AASHTO M 270/M 270M GRADE 250 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-1M FOR STEEL BEAM GUARD RAIL DETAILS. SEE SHEETS 1 OF 3 AND 2 OF 3 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.

REVISIONS AND CORRECTIONS
DECEMBER 18, 1997 - ORIGINAL APPROVAL DATE

STATE OF VERMONT
AGENCY OF TRANSPORTATION

Town Of HARTLAND	Bridge No. 60
Highway No. U.S. ROUTE 5	Log Sta. / Surv. Sta.
U.S. ROUTE 5 OVER LULLS BROOK	
ALUMINUM BRIDGE RAILING DETAILS 3 OF 3	
Designed By VAOT	Drawn By VAOT
Checked By S. BAKI Date 1/00	Bridge Design Supervisor J. MIECZKOWSKI Date 1/00
PROJECT HARTLAND	PROJECT NO. BRS No. 0113(22)
I.G.C. Info. M:\145620\VAOT Hartland\struct\zf204rd.dgn	
Bridge Sheet No. BR134	Sheet 69 of 86