

NOTE
REFER TO SHEET 27 FOR LAYOUT OF APPROACH RAILING

ALUMINUM APPROACH RAIL
RAIL DIMENSIONS FOR A CURB CONDITION

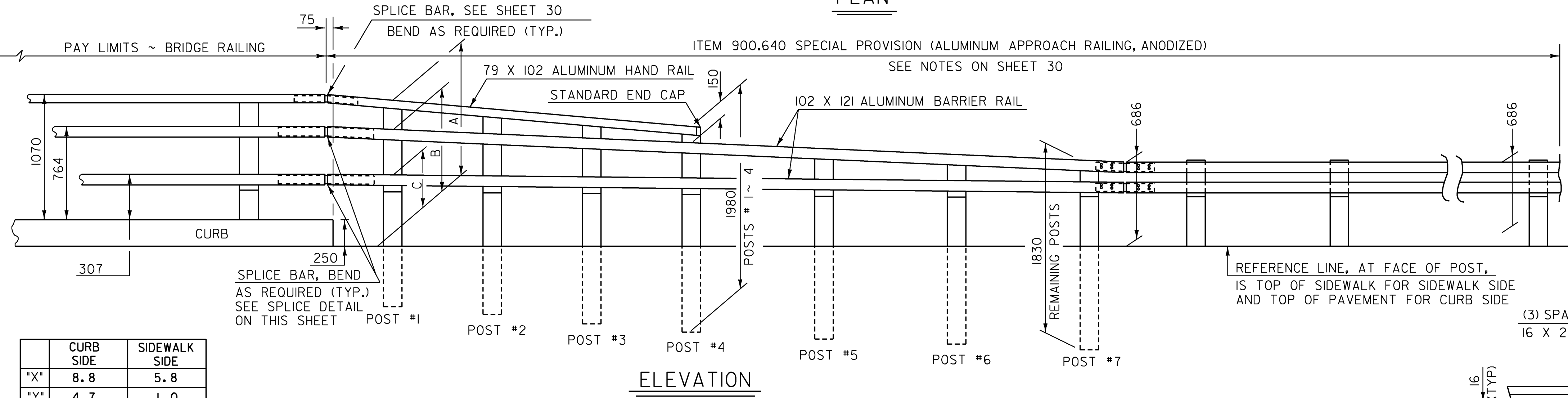
POST NO.	RAIL HEIGHT DIMENSIONS			OFFSET BLOCK DIMENSIONS			
	A	B	C	D	E	F	G
1	1268	989	543	330	446	902	
2	1184	948	519	287	429	842	
3	1099	906	495	244	411	781	
4	1016	865	471	202	394	722	
5		810	440		370		623
6		756	408		348		525
7		700	376		324		501

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

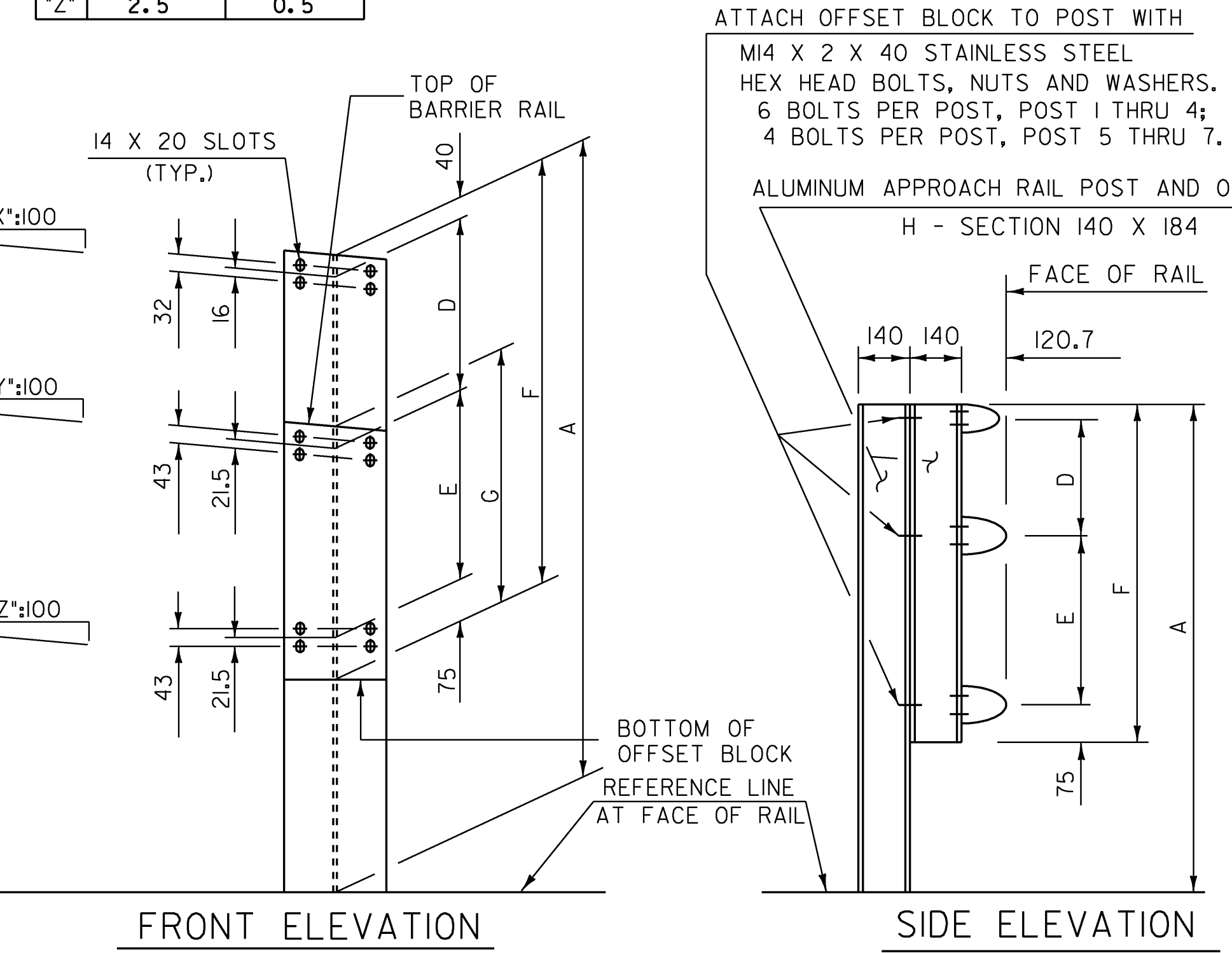
ALUMINUM APPROACH RAIL
RAIL DIMENSIONS FOR A SIDEWALK CONDITION

POST NO.	RAIL HEIGHT DIMENSIONS			OFFSET BLOCK DIMENSIONS			
	A	B	C	D	E	F	G
1	1034	756	428	291	226	731	
2	979	747	423	245	222	682	
3	924	737	419	200	216	631	
4	869	728	414	154	212	581	
5		715	408		205		432
6		702	401		199		427
7		690	395		193		421

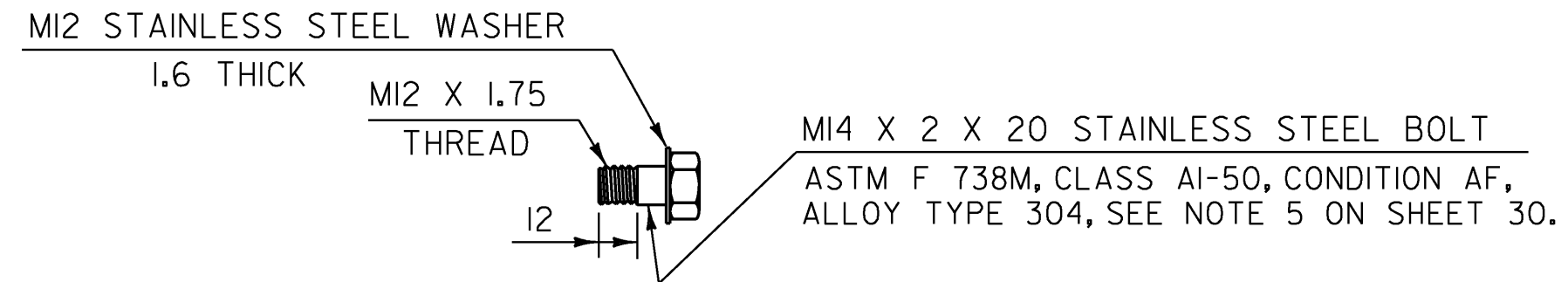
ALL REMAINING POSTS ARE TO HAVE THE SAME DIMENSIONS AS POST NO. 7



	CURB SIDE	SIDEWALK SIDE
X	8.8	5.8
Y	4.7	1.0
Z	2.5	0.5

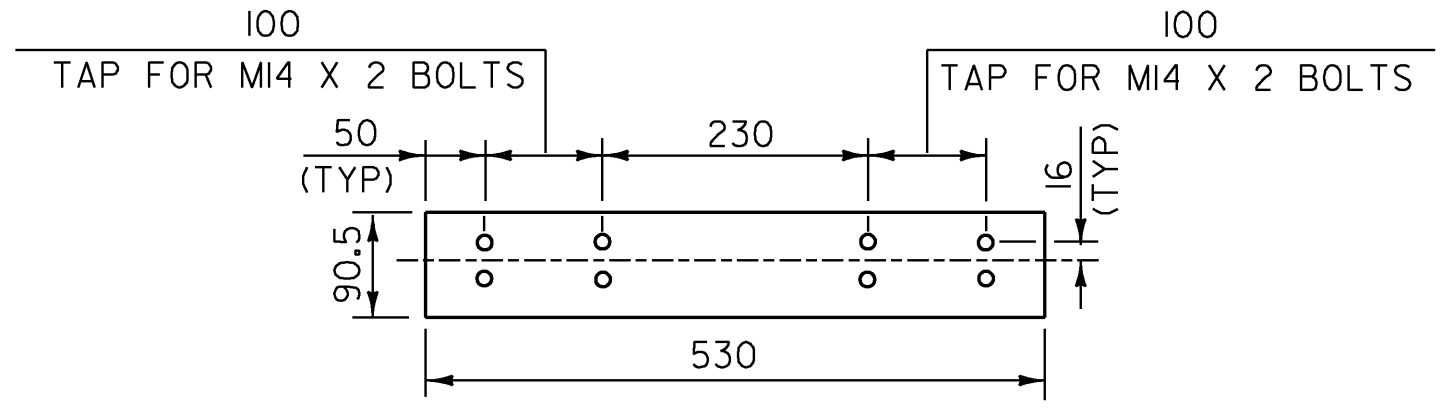
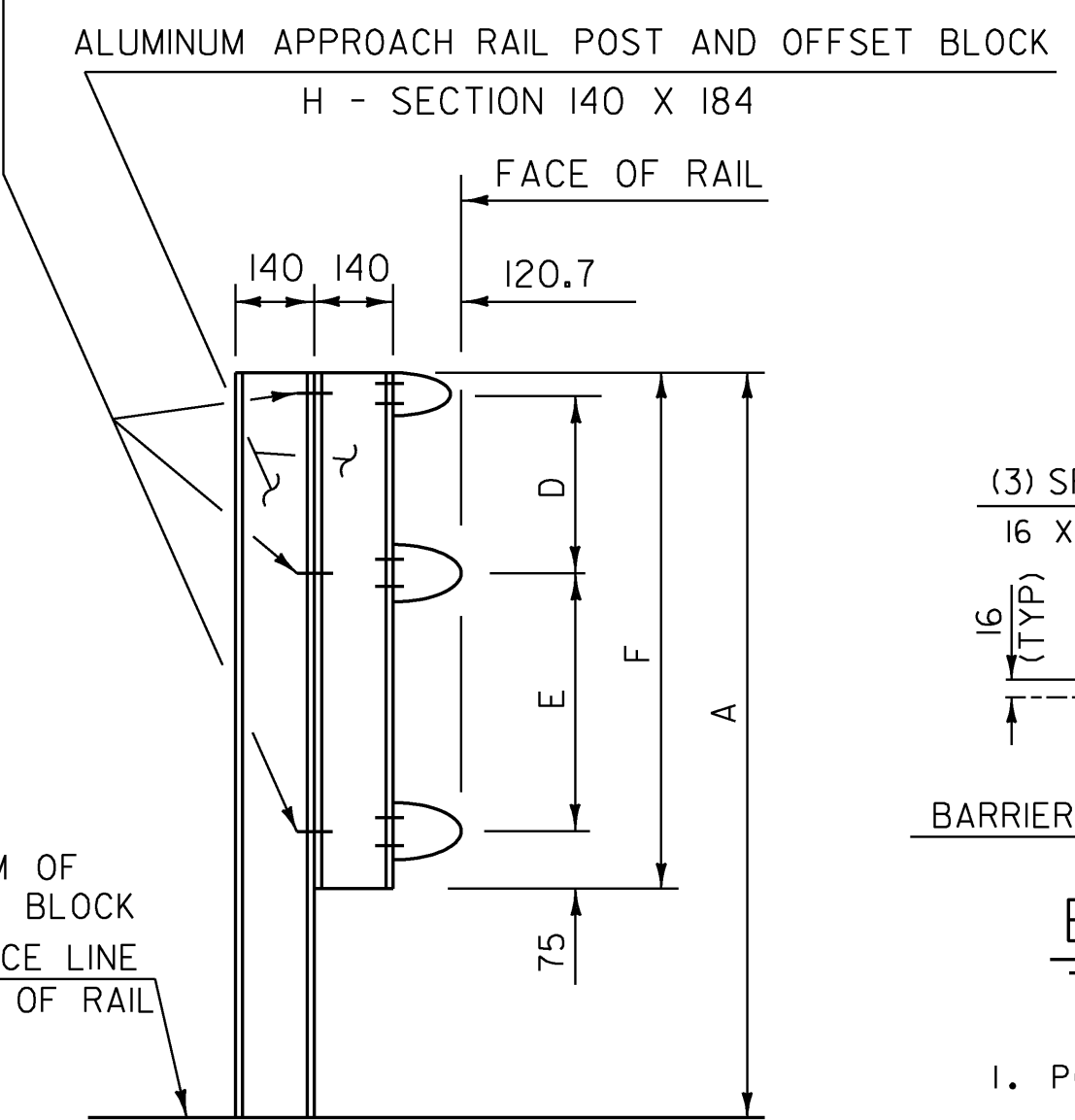


APPROACH RAIL DETAILS

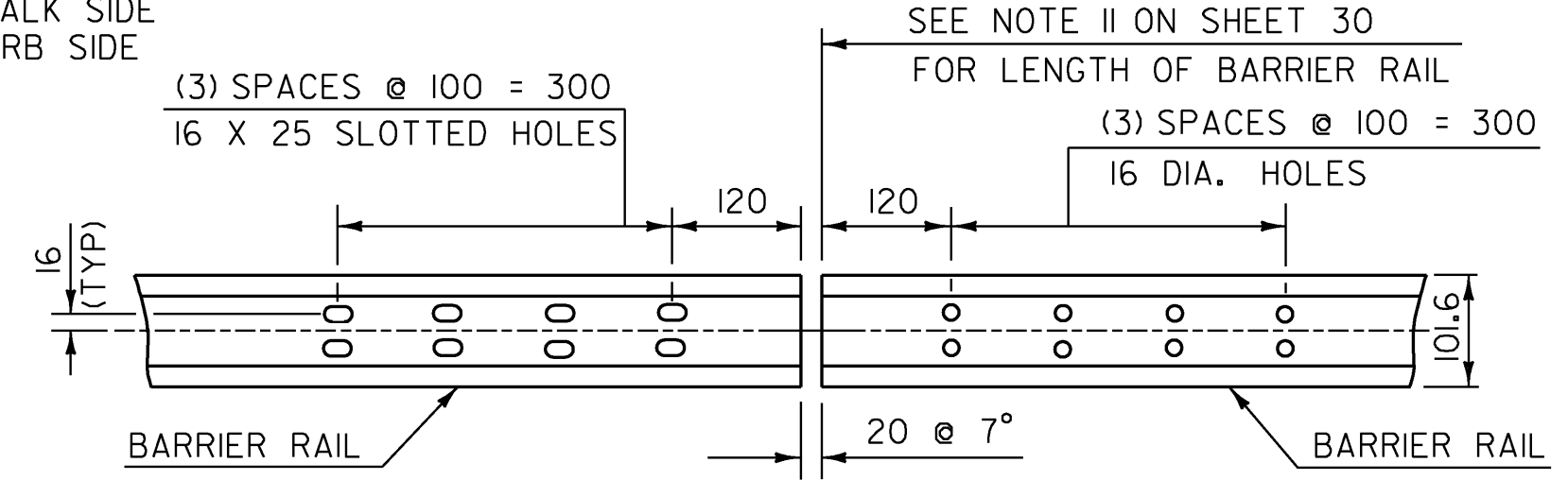


STAINLESS STEEL BOLT DETAILS
(FOR SPLICE BARS)

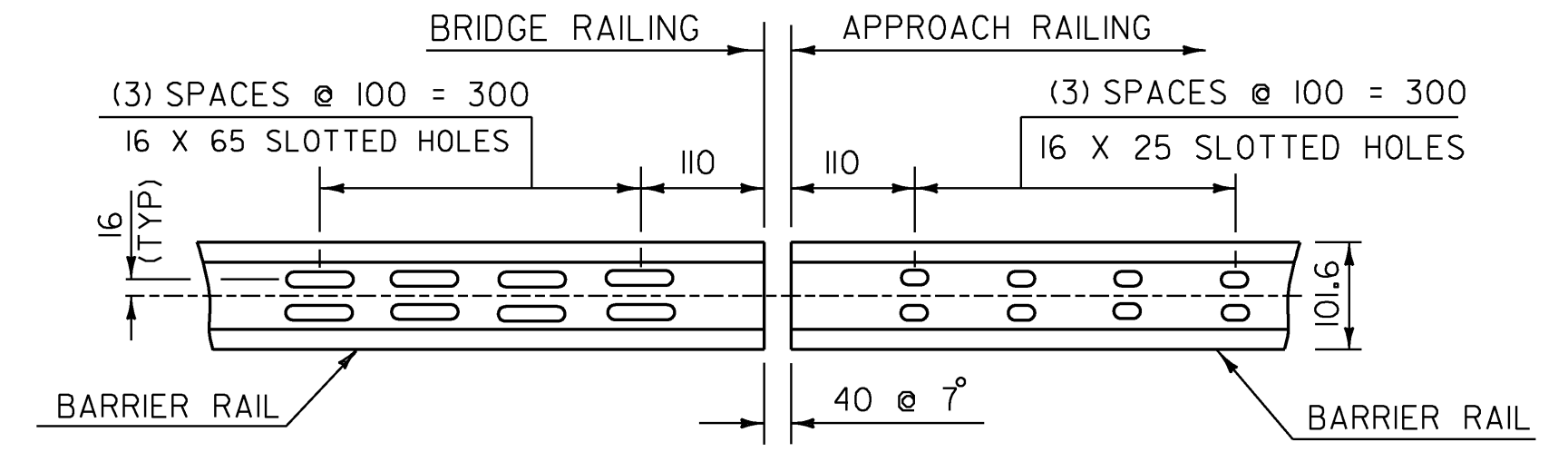
ATTACH OFFSET BLOCK TO POST WITH
M14 X 2 X 40 STAINLESS STEEL
HEX HEAD BOLTS, NUTS AND WASHERS.
6 BOLTS PER POST, POST 1 THRU 4;
4 BOLTS PER POST, POST 5 THRU 7.



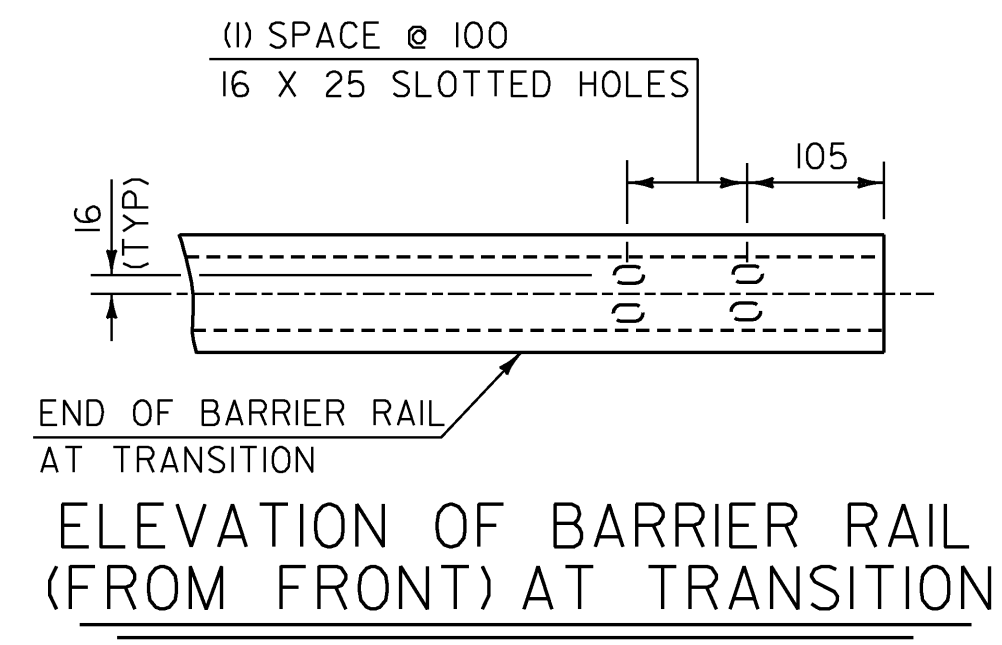
ELEVATION OF BARRIER RAIL SPLICE BAR
TO BE USED AT TRANSITION BETWEEN
APPROACH RAIL & GUARD RAIL (FROM BACK)



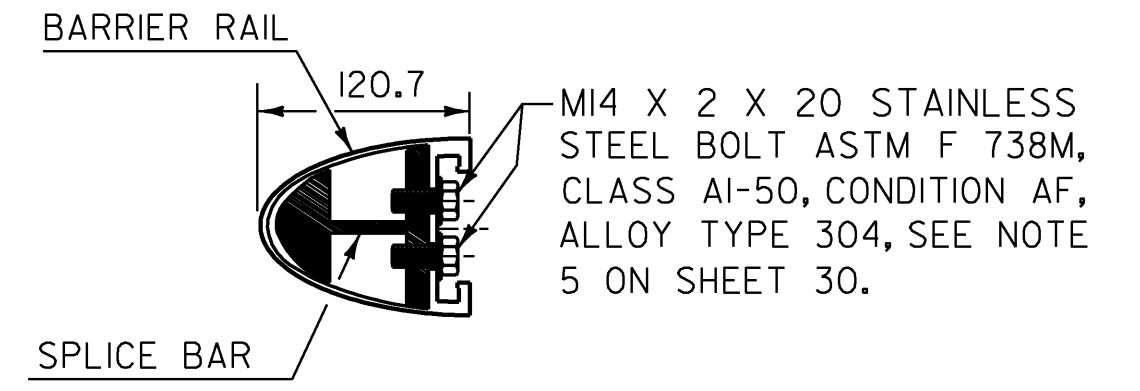
ELEVATION OF BARRIER RAIL (FROM BACK)
AT ALL INTERMEDIATE RAIL SPLICES



ELEVATION OF BARRIER RAIL (FROM BACK)



ELEVATION OF BARRIER RAIL (FROM FRONT) AT TRANSITION



TYPICAL SECTION THROUGH
BARRIER RAIL SPLICE

- NOTES**
- POST 1 THROUGH 7 SHALL BE EXTRUDED ALUMINUM.
 - ALL STRUCTURAL STEEL SHALL BE AASHTO M 270/M 270M GRADE 250 GALVANIZED AFTER FABRICATION.
 - ALL ITEMS NOT OTHERWISE INDICATED SHALL MEET THE SPECIFICATION REQUIREMENTS OF THE STANDARD SHEETS ON WHICH THEY ARE DETAILED.
 - SEE SHEETS 29 & 30 FOR ALUMINUM BRIDGE RAILING DETAILS.
 - DETAILS ARE SHOWN FOR TRANSITION TO A 3 RAIL ALUMINUM BRIDGE RAILING.
 - 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.

DuBois & King
engineering planning management development

**STATE OF VERMONT
AGENCY OF TRANSPORTATION**

Town Of	HARDWICK	Bridge No.	67
Highway No.	VT 15	Log Sta.	
		Surv. Sta.	
VT 15 OVER COOPER BROOK			
ALUMINUM RAILING DETAILS 1			
Designed By	A.P. GUYETTE	Drawn By	P.G. JARVIS
Checked By	Date	Bridge Design Supervisor	
E. P. DETRICK	11/08	J.W. TUCKER	Date 11/08
PROJECT	HARDWICK	PROJECT NO.	BHF 030-2 (18) S
I.G.C. Info. DGN\$SPEC\$		Sheet 28 of 38	
Bridge Sheet No.			