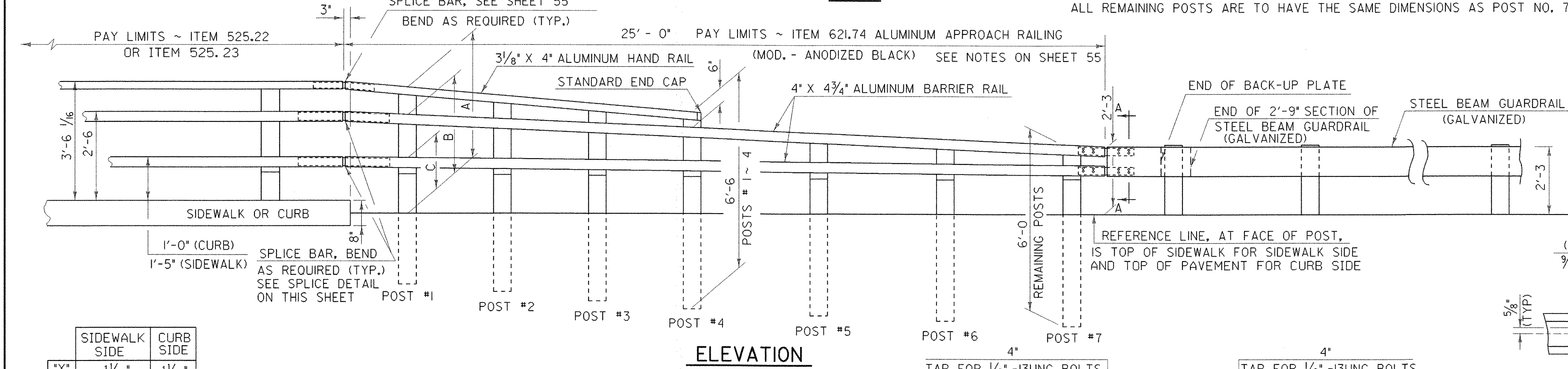


**ALUMINUM APPROACH RAIL  
RAIL DIMENSIONS FOR A CURB CONDITION**

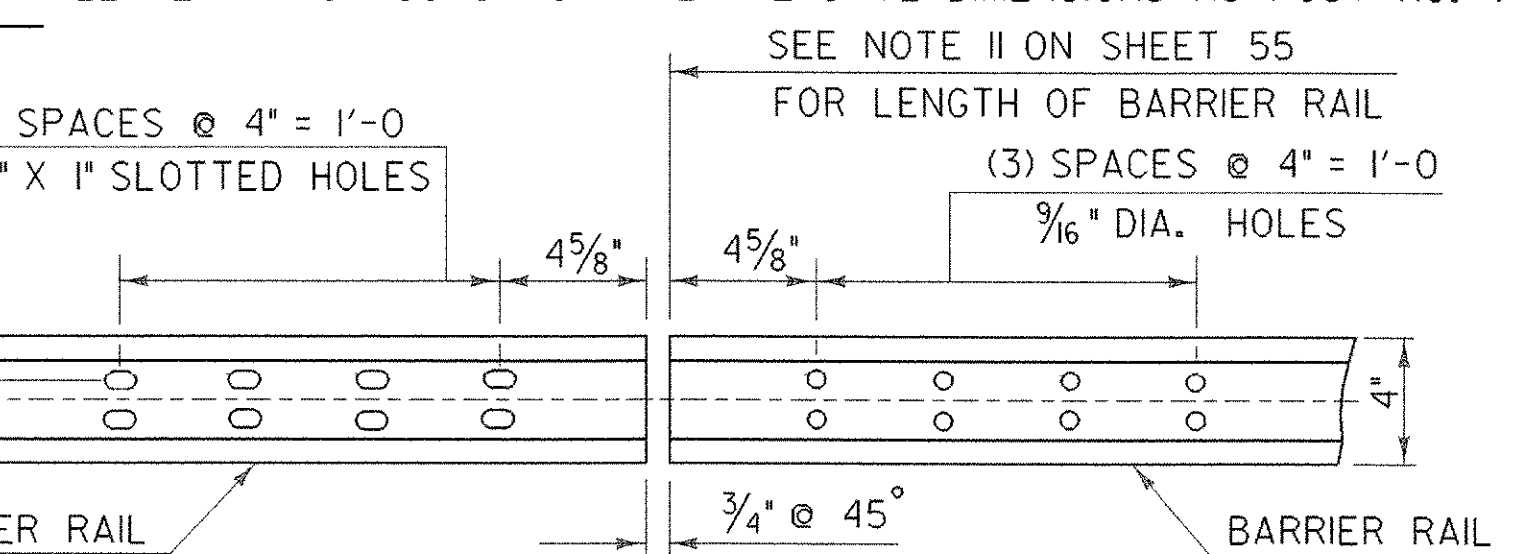
POST NO.	RAIL HEIGHT DIMENSIONS			OFFSET BLOCK DIMENSIONS		
	A	B	C	D	E	F
1	4-1 <sup>5</sup> / <sub>16</sub>	3-2 <sup>5</sup> / <sub>16</sub>	1-9 <sup>3</sup> / <sub>16</sub>	0-11 <sup>1</sup> / <sub>16</sub>	1-5 <sup>1</sup> / <sub>8</sub>	2-9 <sup>1</sup> / <sub>8</sub>
2	3-10 <sup>9</sup> / <sub>16</sub>	3-1 <sup>5</sup> / <sub>16</sub>	1-9 <sup>7</sup> / <sub>16</sub>	0-9 <sup>3</sup> / <sub>4</sub>	1-3 <sup>3</sup> / <sub>8</sub>	2-6 <sup>3</sup> / <sub>16</sub>
3	3-7 <sup>3</sup> / <sub>8</sub>	2-11 <sup>1</sup> / <sub>16</sub>	1-9 <sup>1</sup> / <sub>8</sub>	0-8 <sup>1</sup> / <sub>8</sub>	1-2 <sup>3</sup> / <sub>16</sub>	2-3 <sup>3</sup> / <sub>16</sub>
4	3-4 <sup>1</sup> / <sub>16</sub>	2-10 <sup>1</sup> / <sub>16</sub>	1-8 <sup>3</sup> / <sub>16</sub>	0-6 <sup>7</sup> / <sub>16</sub>	1-1 <sup>1</sup> / <sub>4</sub>	2-0 <sup>1</sup> / <sub>4</sub>
5		2-7 <sup>7</sup> / <sub>8</sub>	1-8 <sup>3</sup> / <sub>8</sub>		0-11 <sup>3</sup> / <sub>16</sub>	1-4 <sup>9</sup> / <sub>16</sub>
6		2-5 <sup>3</sup> / <sub>4</sub>	1-7 <sup>15</sup> / <sub>16</sub>		0-9 <sup>13</sup> / <sub>16</sub>	1-2 <sup>13</sup> / <sub>16</sub>
7		2-3 <sup>3</sup> / <sub>16</sub>	1-7 <sup>1</sup> / <sub>2</sub>		0-8 <sup>1</sup> / <sub>16</sub>	1-1 <sup>1</sup> / <sub>16</sub>

- NOTES**
- POST 1 THROUGH 7 SHALL BE EXTRUDED ALUMINUM.
  - ALL STRUCTURAL STEEL SHALL BE AASHTO M270 GRADE 36 GALVANIZED AFTER FABRICATION.
  - ALL ITEMS NOT OTHERWISE INDICATED SHALL MEET THE SPECIFICATION REQUIREMENTS OF THE STANDARD SHEETS ON WHICH THEY ARE DETAILED.
  - SEE STANDARD G-1 FOR STEEL BEAM GUARDRAIL DETAILS. SEE SHEETS 54 AND 55 FOR ALUMINUM BRIDGE RAILING DETAILS.
  - THE COST OF ALL MATERIALS AND LABOR FOR THE SPLICE BETWEEN THE ALUMINUM APPROACH RAILING AND THE STEEL BEAM GUARDRAIL SHALL BE INCIDENTAL TO ITEM 621.74, ALUMINUM APPROACH RAILING (MOD. - ANODIZED BLACK).
  - 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.
  - ALUMINUM APPROACH RAILING SHALL BE ANODIZED BLACK.

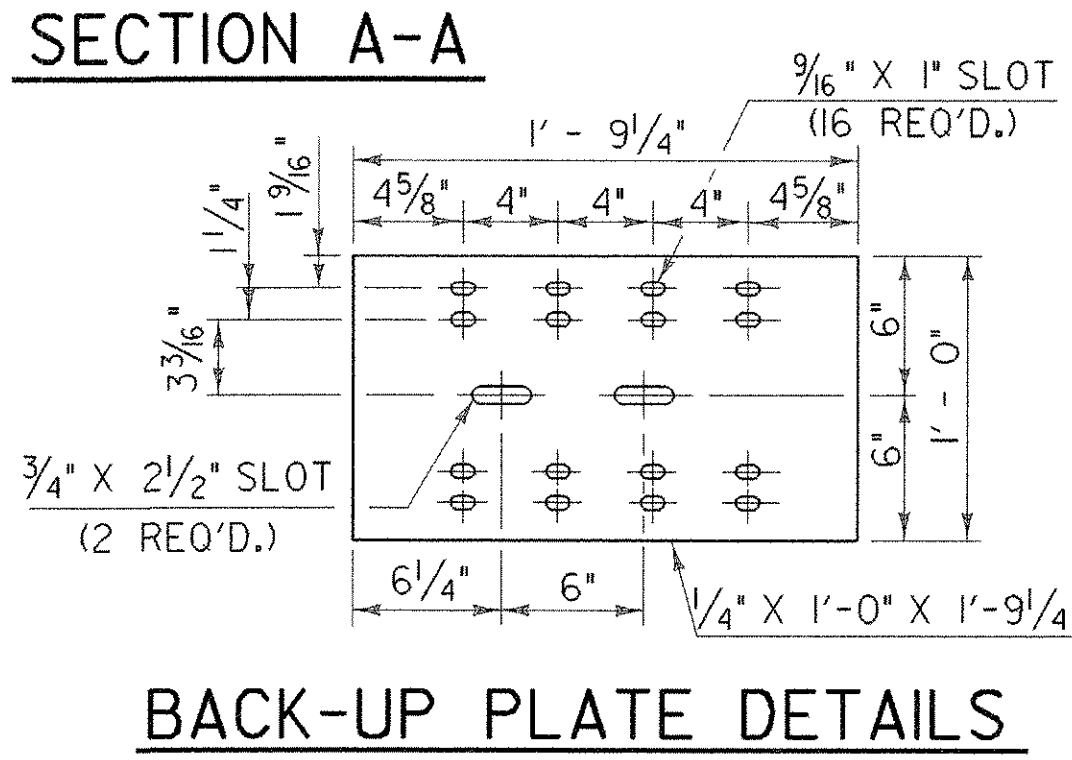
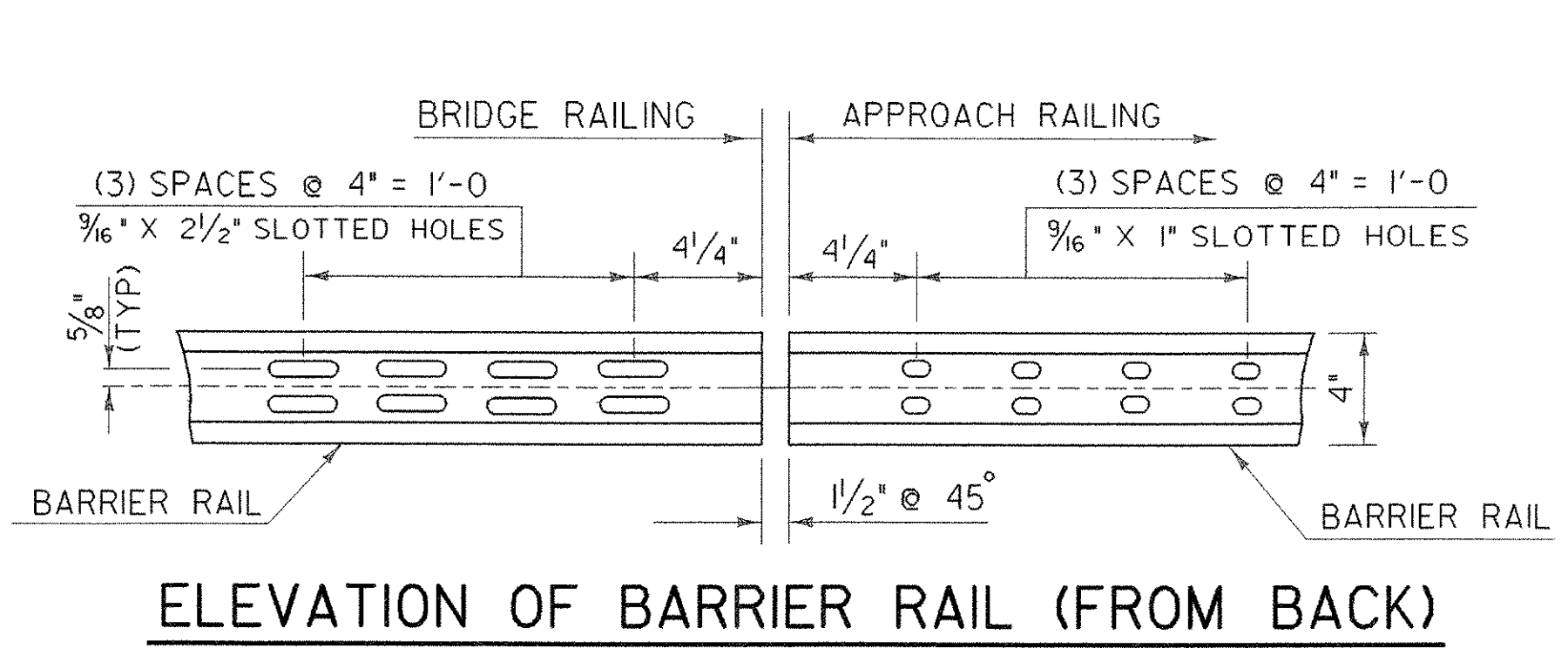
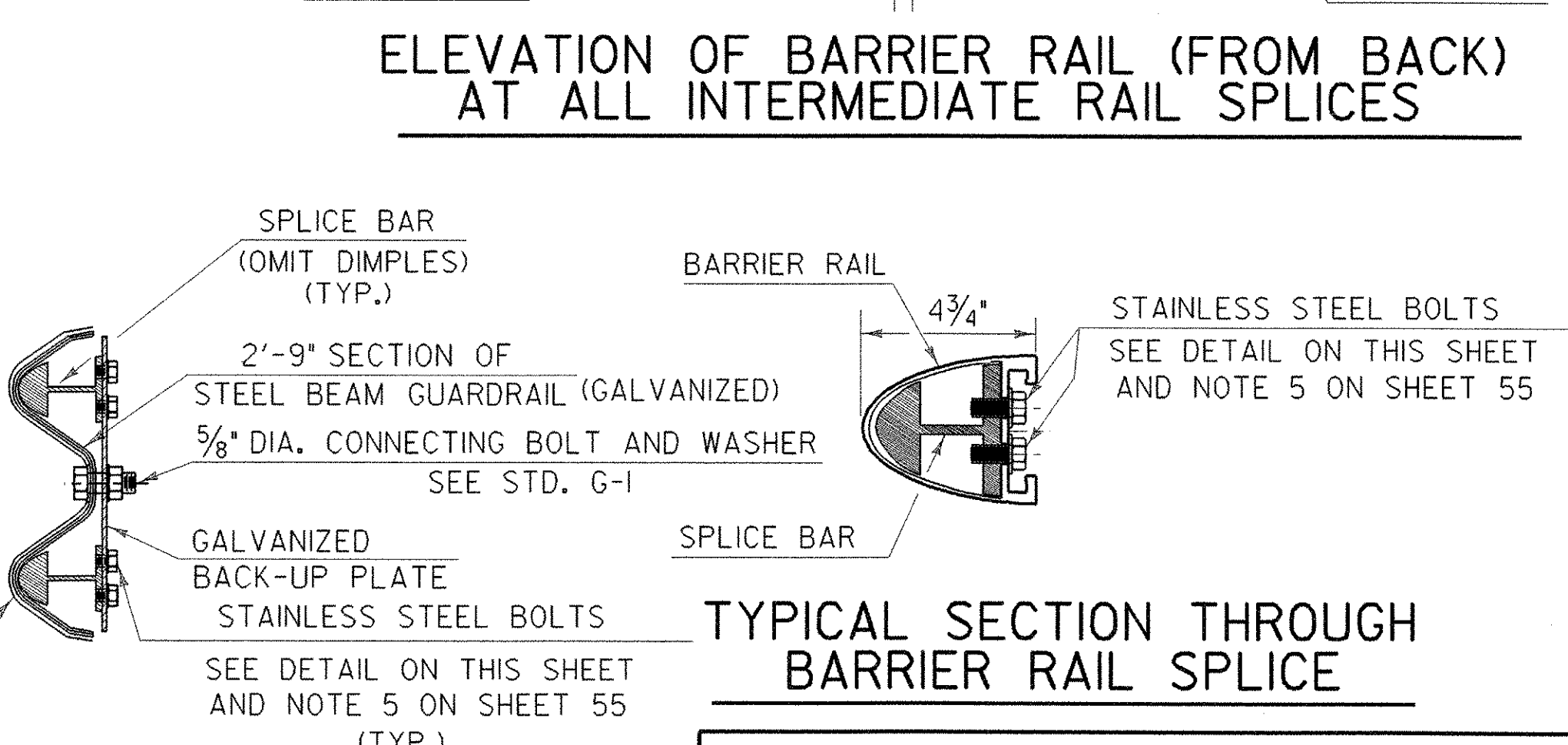
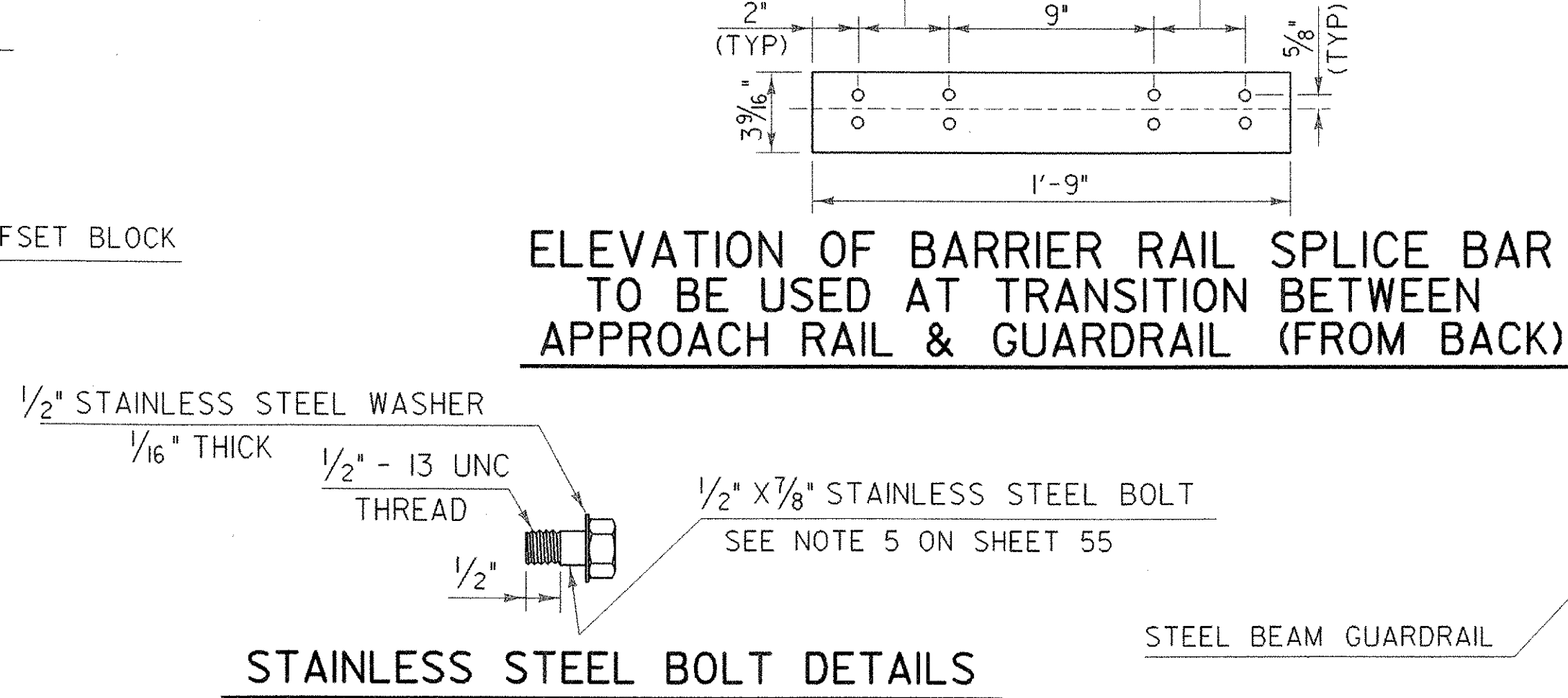
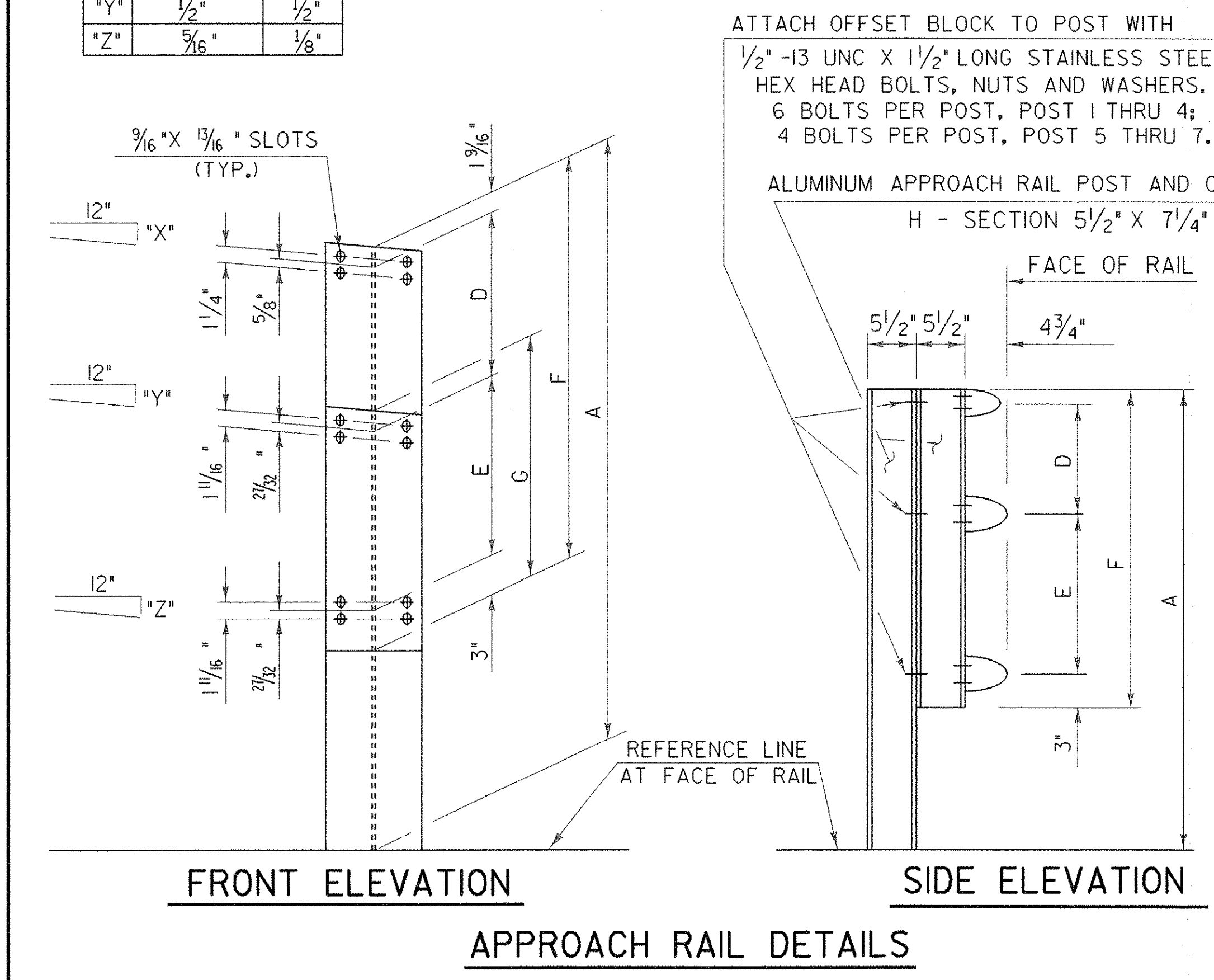


**ALUMINUM APPROACH RAIL  
RAIL DIMENSIONS FOR A SIDEWALK CONDITION**

POST NO.	RAIL HEIGHT DIMENSIONS			OFFSET BLOCK DIMENSIONS		
	A	B	C	D	E	F
1	4-1 <sup>5</sup> / <sub>16</sub>	3-2 <sup>5</sup> / <sub>16</sub>	2-2 <sup>3</sup> / <sub>8</sub>	0-11 <sup>1</sup> / <sub>16</sub>	1-0 <sup>1</sup> / <sub>16</sub>	2-4 <sup>9</sup> / <sub>16</sub>
2	3-10 <sup>9</sup> / <sub>16</sub>	3-1 <sup>5</sup> / <sub>16</sub>	2-1 <sup>1</sup> / <sub>16</sub>	0-9 <sup>3</sup> / <sub>4</sub>	0-11 <sup>3</sup> / <sub>8</sub>	2-2 <sup>3</sup> / <sub>16</sub>
3	3-7 <sup>3</sup> / <sub>8</sub>	2-11 <sup>1</sup> / <sub>16</sub>	2-0 <sup>1</sup> / <sub>2</sub>	0-8 <sup>1</sup> / <sub>8</sub>	0-11 <sup>3</sup> / <sub>16</sub>	1-11 <sup>7</sup> / <sub>8</sub>
4	3-4 <sup>1</sup> / <sub>16</sub>	2-10 <sup>1</sup> / <sub>16</sub>	1-11 <sup>1</sup> / <sub>2</sub>	0-6 <sup>7</sup> / <sub>16</sub>	0-10 <sup>9</sup> / <sub>16</sub>	1-9 <sup>9</sup> / <sub>16</sub>
5		2-7 <sup>7</sup> / <sub>8</sub>	1-10 <sup>1</sup> / <sub>4</sub>		0-9 <sup>5</sup> / <sub>8</sub>	1-2 <sup>5</sup> / <sub>8</sub>
6		2-5 <sup>3</sup> / <sub>4</sub>	1-9		0-8 <sup>3</sup> / <sub>4</sub>	1-1 <sup>3</sup> / <sub>4</sub>
7		2-3 <sup>3</sup> / <sub>16</sub>	1-7 <sup>1</sup> / <sub>16</sub>		0-7 <sup>7</sup> / <sub>8</sub>	1-0 <sup>7</sup> / <sub>8</sub>



	SIDEWALK SIDE	CURB SIDE
*X*	1 <sup>1</sup> / <sub>16</sub> "	1 <sup>1</sup> / <sub>16</sub> "
*Y*	1 <sup>1</sup> / <sub>2</sub> "	1 <sup>1</sup> / <sub>2</sub> "
*Z*	5 <sup>1</sup> / <sub>16</sub> "	1 <sup>1</sup> / <sub>8</sub> "



**STATE OF VERMONT  
AGENCY OF TRANSPORTATION**

Town Of	CAMBRIDGE	Bridge No.	20
Highway No.	VT 15	Log Sta.	
		Surv. Sta.	
VT 15 OVER LAMOILLE RIVER			
<b>ALUMINUM APPROACH RAILING DETAILS</b>			
Designed By	B. W. ERNST	Drawn By	
Checked By	Date	Bridge Design Supervisor	
	R. SACCHI	R. R. WHITCOMB	Date: 1/3/2006
PROJECT	CAMBRIDGE	PROJECT NO.	BHF 030-2(19)S
I.G.C. Info.		Bridge Sheet No.	zb308br3.dgn
			Sheet 56 of 68