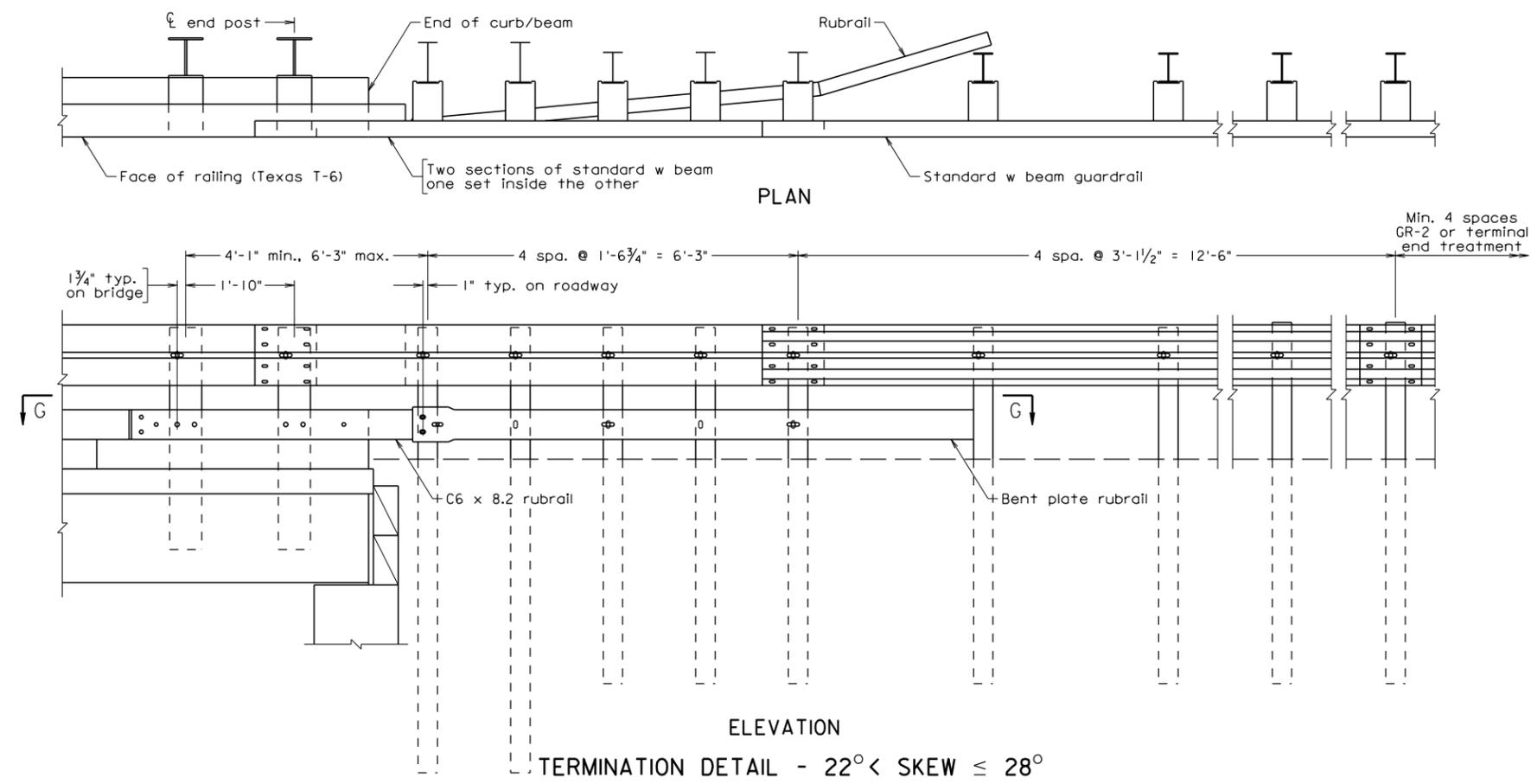
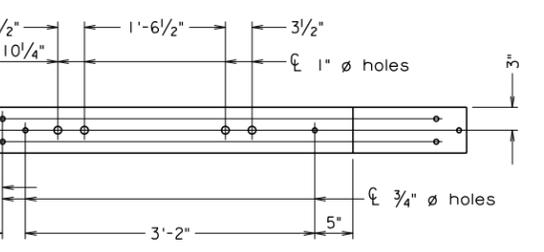
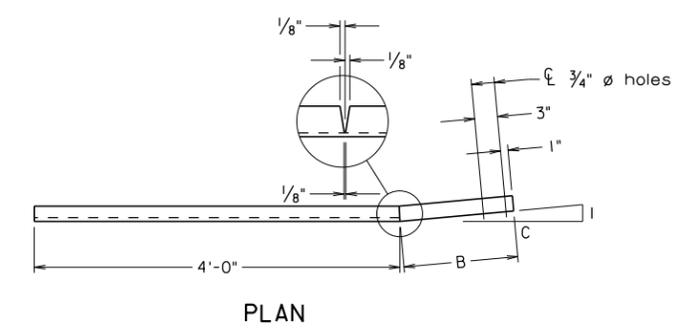


STATE	FEDERAL AID	STATE	SHEET
ROUTE	PROJECT	ROUTE	NO.
VA.			

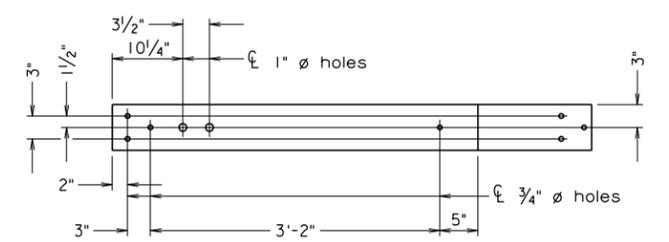
Notes:  
 Details provided on this sheet are at obtuse bridge corners. For SECTION G-G, BENT PLATE RUBRAIL DETAIL, GUARDRAIL - TUBULAR RAIL SPLICE, VARIABLE DIMENSIONS BASED ON POST OFFSET table and notes, see sheet .



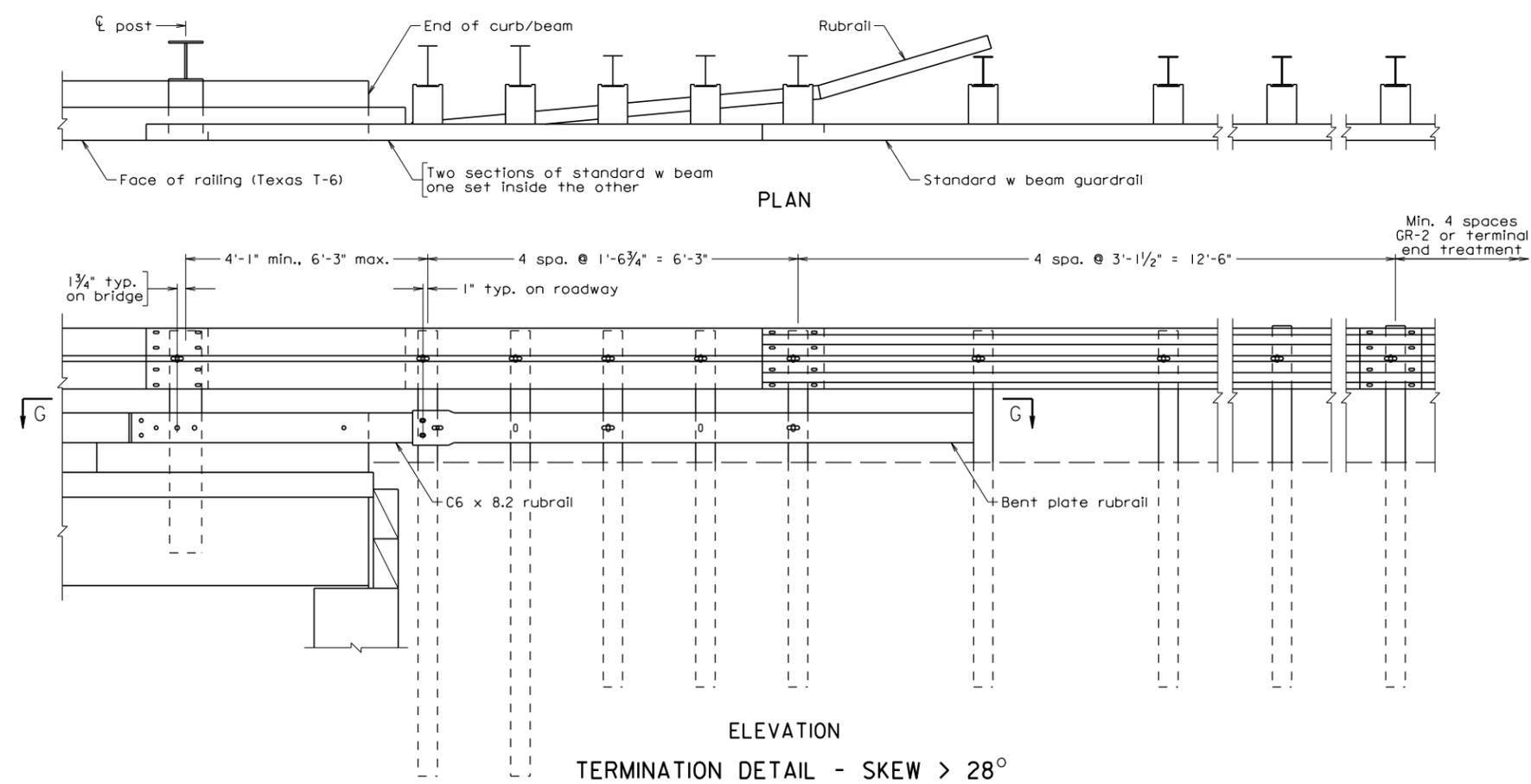
ELEVATION  
 TERMINATION DETAIL -  $22^\circ < \text{SKEW} \leq 28^\circ$



ELEVATION -  $22^\circ < \text{SKEW} \leq 28^\circ$



ELEVATION -  $\text{SKEW} > 28^\circ$   
 C 6 x 8.2 RUBRAIL DETAIL



ELEVATION  
 TERMINATION DETAIL -  $\text{SKEW} > 28^\circ$

SS8-5C.dgn  
03-10-2015  
SS8-5C

Sealed and Signed by:  
 Prasad L. Nallapaneni  
 Lic. No. 033003  
 On the date of  
 March 10, 2015

A copy of the original  
 sealed and signed  
 standard drawing  
 is on file in the  
 Central Office.

VDOT S&B DIVISION  
 RICHMOND, VA  
 STRUCTURAL ENGINEER

COMMONWEALTH OF VIRGINIA DEPARTMENT OF TRANSPORTATION					
STRUCTURE AND BRIDGE DIVISION					
STEEL BEAM WITH TIMBER DECK SUPERSTRUCTURE TERM. DETAILS - OBTUSE CORNER					
No.	Description	Date	Designed: S&B DIV	Date	Plan No.
			Drawn: S&B DIV		Sheet No.
			Checked: S&B DIV		SS8-5C
Revisions					

**SS-8 STEEL BEAM WITH TIMBER DECK SUPERSTRUCTURE STANDARD  
RAILING TERMINATION DETAILS**

**NOTES TO DESIGNER:**

Include standards SS8-1, SS8-2, SS8-3A, SS8-4, SS8-5A and SS8-6A in the plans when using this standard. Use this standard only where skew is greater than 22° and end posts in obtuse corners would conflict with the abutment, backwall and/or lagging. Where skew  $\leq 22^\circ$  or skew  $> 22^\circ$  and end posts in obtuse corners **do not conflict** with the abutment, backwall and/or lagging, do not include this standard in the plan set and remove the bracketed note from standard SS8-5A.

Substitute standard SS8-3B for SS8-3A in the plans when bolted angles are used in lieu of welded plates to connect the diaphragm channels to the beam webs.

Substitute standard SS8-6B for SS8-6A where beam flange width would interfere with curb attachment plates.

**ADD THE FOLLOWING NOTES, DIMENSIONS, DETAILS, ETC. TO STANDARD:**

Where skew  $> 57^\circ$  degrees, the Designer shall check the 3'-1" dimension to rail post in obtuse corner against the abutment details and adjust abutment details or 3'-1" dimension accordingly to ensure sufficient room to place post and verify position of 1"  $\varnothing$  holes in rubrail prior to drilling.

NOTES:

Add the sheet number to the reference note.

VARIABLE DIMENSIONS BASED ON POST OFFSET:

Fill in the table on standard SS8-5A based on the actual distance between the end of curb/beam and the first roadway post, dimension "A", using the chart below. Interpolate between values. Use  $\frac{1}{8}$ " increments. If dimension "A" varies depending on location, use multiple lines indicating each location (eg., Abut. A - LOCL). If dimension does not vary, indicate "All".

VARIABLE DIMENSIONS BASED ON POST OFFSET						
A	C 6 x 8.2		Rubrail Blockout Thickness			
	B	C	Post 1	Post 2	Post 3	Post 4
12"	1'-3"	11	6 $\frac{3}{4}$ "	5 $\frac{1}{8}$ "	3 $\frac{3}{8}$ "	1 $\frac{3}{4}$ "
1'-6"	1'-9"	12	6 $\frac{3}{8}$ "	4 $\frac{7}{8}$ "	3 $\frac{1}{4}$ "	1 $\frac{3}{4}$ "
2'-0"	2'-3"	13	6"	4 $\frac{5}{8}$ "	3 $\frac{1}{8}$ "	1 $\frac{3}{4}$ "
2'-6"	2'-9"	13.5	5 $\frac{5}{8}$ "	4 $\frac{1}{4}$ "	2 $\frac{7}{8}$ "	1 $\frac{1}{2}$ "
3'-0"	3'-3"	14.5	5 $\frac{3}{8}$ "	4 $\frac{1}{8}$ "	2 $\frac{7}{8}$ "	1 $\frac{1}{2}$ "
3'-6"	3'-9"	15	5 $\frac{1}{8}$ "	3 $\frac{7}{8}$ "	2 $\frac{5}{8}$ "	1 $\frac{3}{8}$ "
4'-0"	4'-3"	16	4 $\frac{7}{8}$ "	3 $\frac{3}{4}$ "	2 $\frac{5}{8}$ "	1 $\frac{3}{8}$ "

**STANDARD SS8-5C: NOTES TO DESIGNER**

PART 8  
DATE: 10Mar2015  
SHEET 2 of 2  
FILE NO. SS8-5C-2