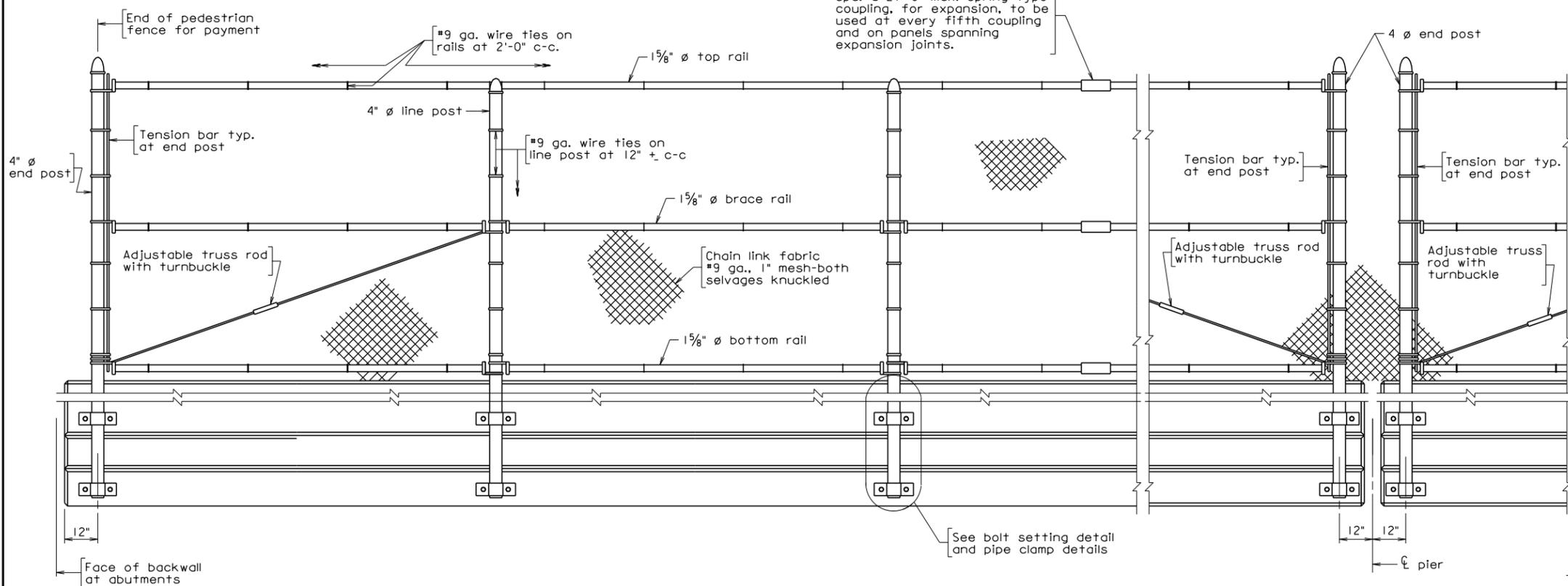


STATE	FEDERAL AID	STATE	SHEET NO.
ROUTE	PROJECT	ROUTE	PROJECT
VA.			

Outside sleeve type coupling spa. @ 21'-0" max. Spring type coupling, for expansion, to be used at every fifth coupling and on panels spanning expansion joints.



ELEVATION
Not to scale

Notes:

The fence to be used on this project shall be Type -- as shown in Typical Section.

Posts shall be set vertical. Rails shall be set parallel to the top of base of railing.

Spacing of posts to be equally spaced. Maximum spacing of posts shall not exceed 10'-0".

Chain link fabric shall be placed on inside of posts and rails.

Chain link fabric, posts, rails, bolts excluding threads, and other associated hardware shall be ---.

Threaded inserts and bolt threads shall not be galvanized or coated.

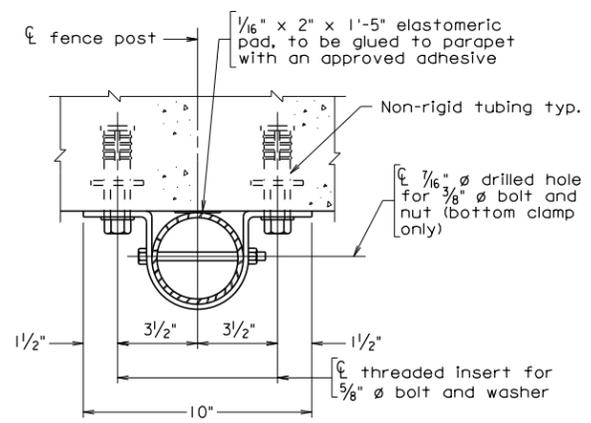
Ends of wire ties shall be turned to outside of fence to prevent injury to pedestrians.

Threaded inserts, when embedded as shown, shall develop full strength of threaded bolts. Embedment of insert per manufacturers recommendations or 5" whichever is greater.

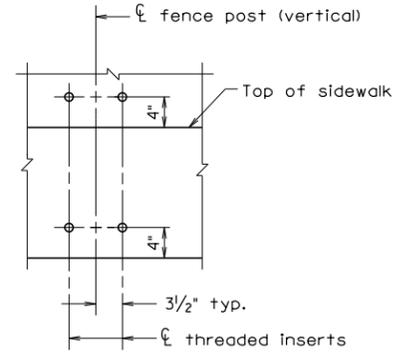
All bolts shall be high strength (ASTM A325).

All welded or seamless steel galvanized pipe shall conform to ASTM F1083, Schedule 40.

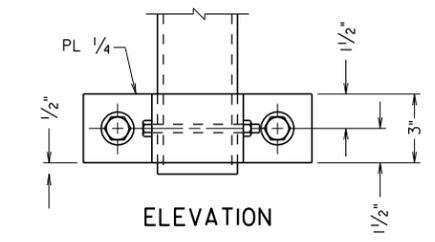
Fence framing (posts and railing) shall be grounded.



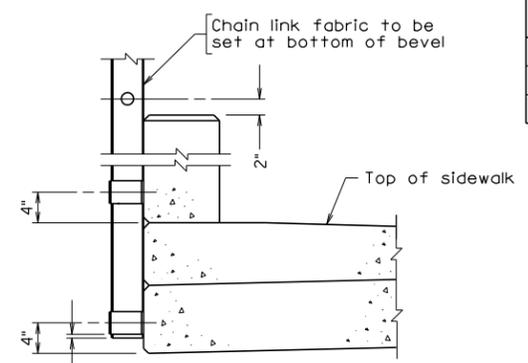
PLAN
Scale: 3" = 1'-0"



BOLT SETTING DETAIL
Scale: 1" = 1'-0"

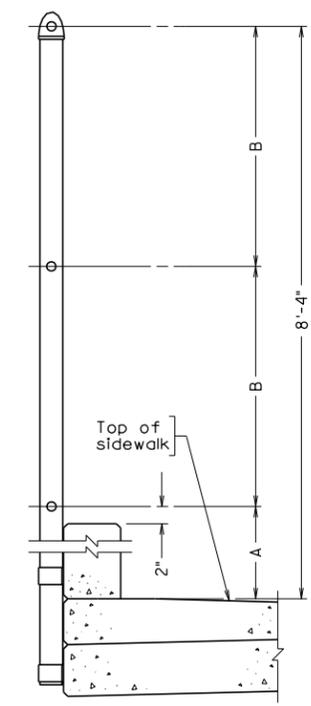


ELEVATION
PIPE CLAMP DETAILS
Scale: 3" = 1'-0"

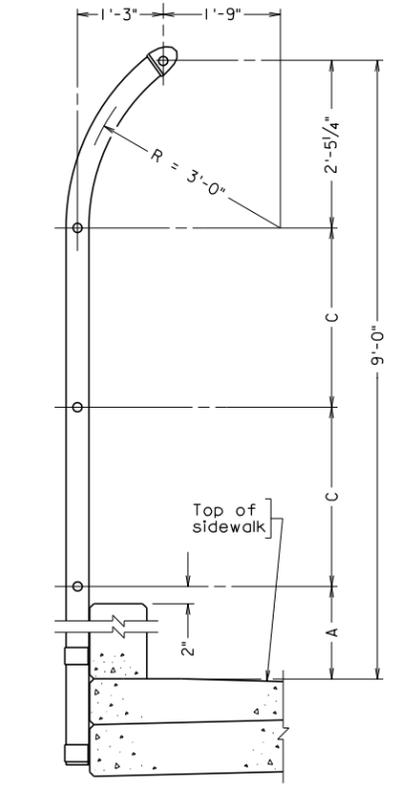


TYPICAL PART SECTION
Scale: 1" = 1'-0"

DIMENSION TABLE			
Railing Type	A	B	C
BR27C - series	2'-2"	3'-1"	2'-2 3/8"
BR27D - series	1'-8"	3'-4"	2'-5 3/8"



TYPE B



TYPE C

TYPICAL SECTION
Scale: 3/4" = 1'-0"

BPF-5 12-14-2012

Sealed and Signed by:
Julius F.J. Volgyi Jr.
Lic. No. 010487
On the date of
December 14, 2012

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					
PEDESTRIAN FENCE DETAILS BR27C AND BR27D SERIES RAILING (WITH SIDEWALK)					
No.	Description	Date	Designed: S&B...DIV	Date	Plan No.
			Drawn: ...S&B...DIV		Sheet No.
Revisions			Checked: S&B...DIV		BPF-5

**PEDESTRIAN FENCE DETAILS
FOR BR27C-SERIES AND BR27D-SERIES RAILING
WITH SIDEWALK**

NOTES TO DESIGNER:

See Manual of the Structure and Bridge Division, Volume V – Part 2, Chapter 30: Fencing (Pedestrian).

Use this standard when BR27C-series and BR27D-series railing with sidewalk are used on project.

Where protection greater than that afforded by Type B is desired, Type C (curved fencing) may be specified.

The limits of the pedestrian fence are to be designated in the bridge plans, normally title sheet.

The District Structure and Bridge Engineer should be consulted before specifying fence material (and color if vinyl coated) to be used.

Design Loads:

Weight of fence: Type B: 29 lbs. per lin. ft. of fence
Type C: 31 lbs. per lin. ft. of fence

Wind effect (exposed area): Type B: 2.6 sq. ft. per lin. ft. of fence
Type C: 3.0 sq. ft. per lin. ft. of fence

For projects with initial bituminous overlay, modify details so that curb dimension shown to roadway surface will be established from top of overlay.

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

NOTES:

Complete the following notes:

“The fence on this project shall be Type _____ as shown in section.” (Specify type B or C).

“Chain link fabric, posts, rails and other associated hardware shall be _____”. (Note: Designer must specify color and vinyl coated steel or galvanized steel).