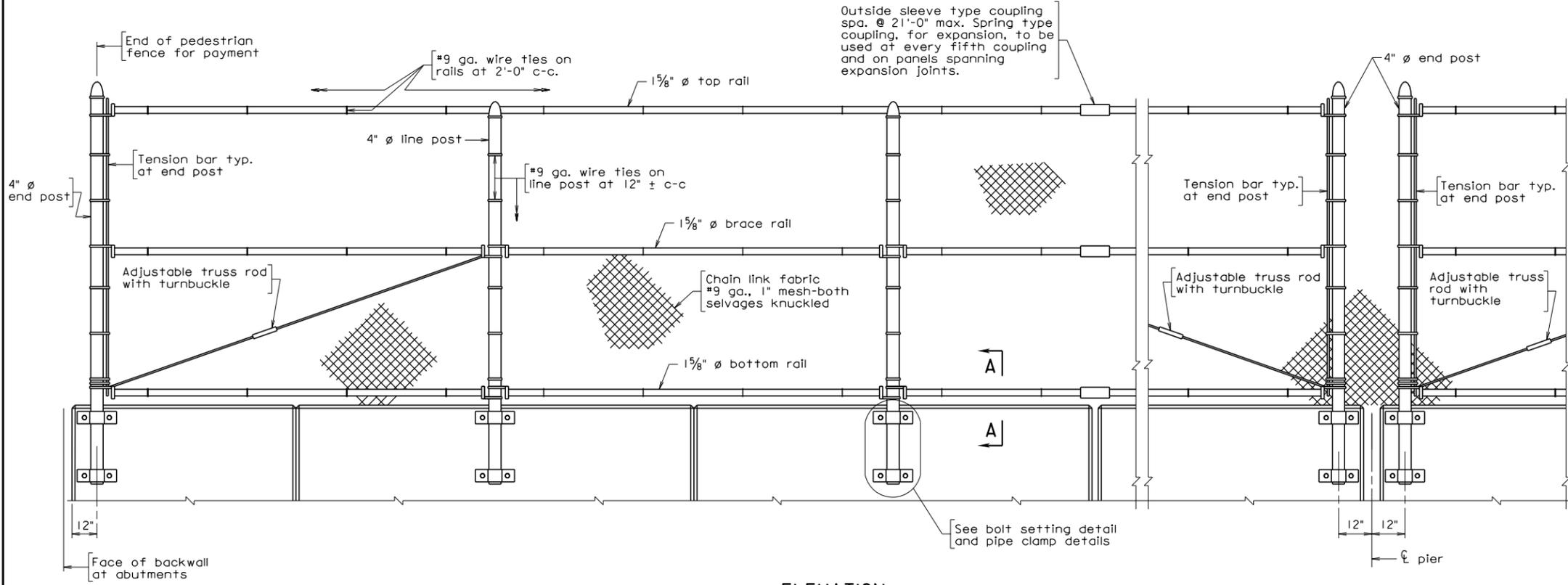


STATE	FEDERAL AID	STATE	SHEET NO.
ROUTE	PROJECT	ROUTE	PROJECT
VA.			

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.



Notes:

The fence to be used on this project may be Type A or Type A Alternate as shown in Typical Section.

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

Line posts shall be located approximately midway between parapet grooves and deflection joints. Maximum spacing 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 to fence to prevent injury to pedestrians.

Brace rail shall be used for Type A and Type A Alternate fence. Adjustable truss rod with turnbuckle shall be installed between line post and base of end post.

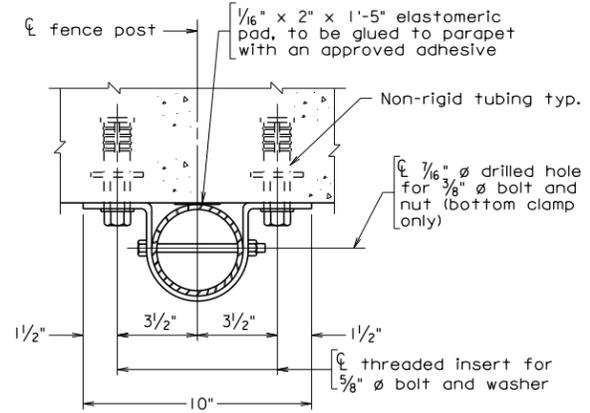
Threaded inserts, when embedded as shown, shall develop full strength of threaded bolts. Embedment of insert per manufacturers recommendations or 5" whichever is greater.

All bolts shall be high strength (ASTM A325)

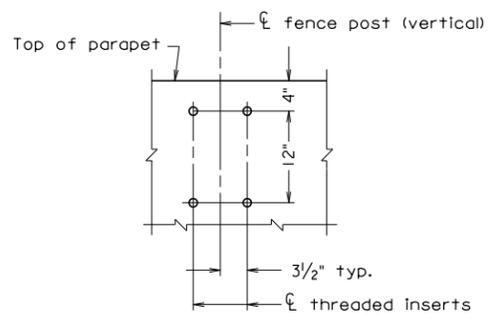
All welded or seamless steel galvanized pipe shall conform to ASTM F1083, Schedule 40.

Fence framing (posts and railing) shall be grounded.

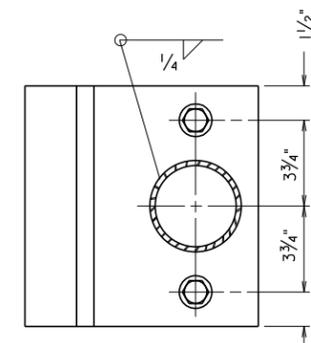
ELEVATION
Type A shown.
Not to scale



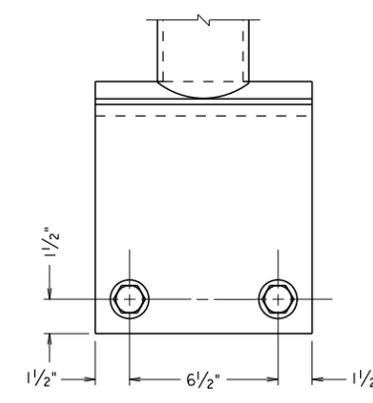
PLAN
Scale: 3" = 1'-0"



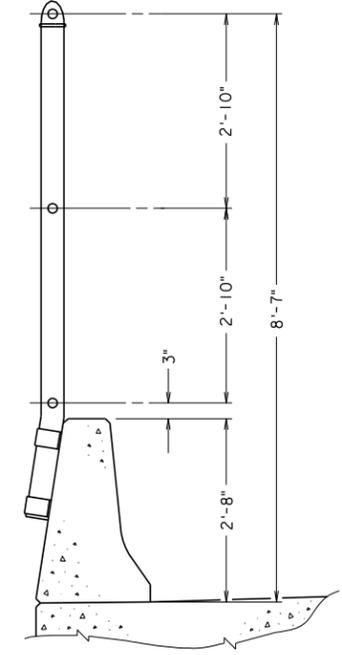
BOLT SETTING DETAIL
Scale: 1" = 1'-0"



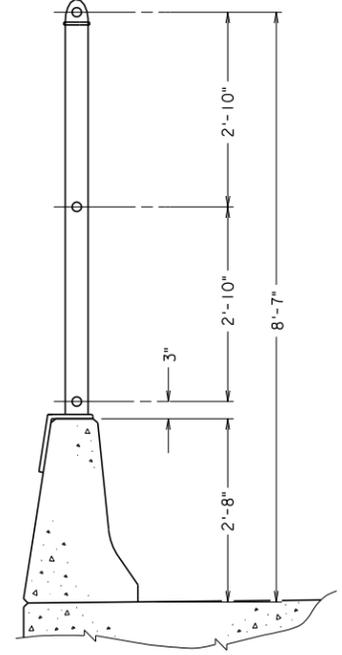
SECTION B-B
Scale: 3" = 1'-0"



VIEW C-C
Scale: 3" = 1'-0"

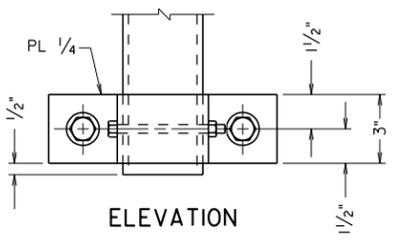


TYPE A

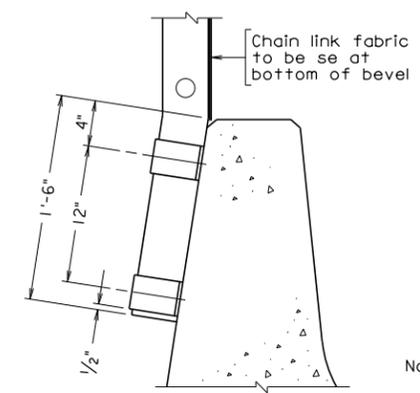


TYPE A ALTERNATE

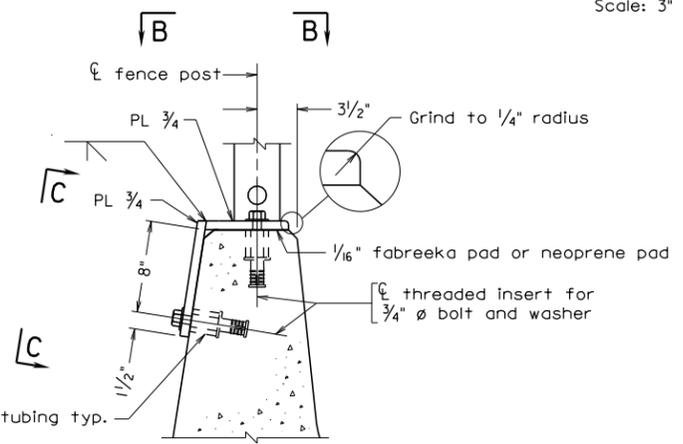
TYPICAL SECTION
Scale: 3/4" = 1'-0"



PIPE CLAMP DETAILS FOR TYPE C
Scale: 3" = 1'-0"



TYPE A SECTION A-A
Scale: 1 1/2" = 1'-0"



TYPE A ALTERNATE SECTION A-A
Scale: 1 1/2" = 1'-0"

Scale as noted. © 2012, Commonwealth of Virginia

BPF-3 12-14-2012

Sealed and Signed by:
Julius F.J. Volzyl 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		
No.	Description	Date	Designed: S&B...DIV	Date	Plan No.
			Drawn: ...S&B...DIV		BPF-3
			Checked: S&B...DIV		
Revisions					

PEDESTRIAN FENCE DETAILS

WITH F-SHAPE PARAPET

NOTES TO DESIGNER:

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

Use this standard when F-shape parapet (Standard BPB-3A or BPB-3B) is used.

The limits of the pedestrian fence are to be designated in the bridge plans, normally front sheet. Limits shall be coordinated with Location and Design Traffic Engineering Design Section.

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 A/Type A Alternate: 27 lbs. per lin. ft. of fence

Wind effect (exposed area): Type A/Type A Alternate: 2.0 sq. ft. per lin. ft. of fence

Maximum post spacing: 10'-0".

For projects with initial bituminous overlay, modify details so that 2'-8" and 8'-7" dimensions shown to roadway surface will be established from top of overlay. (Must agree with standard BPB-3A or BPB-3B).

The first note allows the Contractor to furnish either Type A or Type A Alternate. If for any reason, one type is to be specified, the note needs to be revised to read, "The fence on this project shall be Type ___ as shown in Section."

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

NOTES:

Complete the following notes:

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