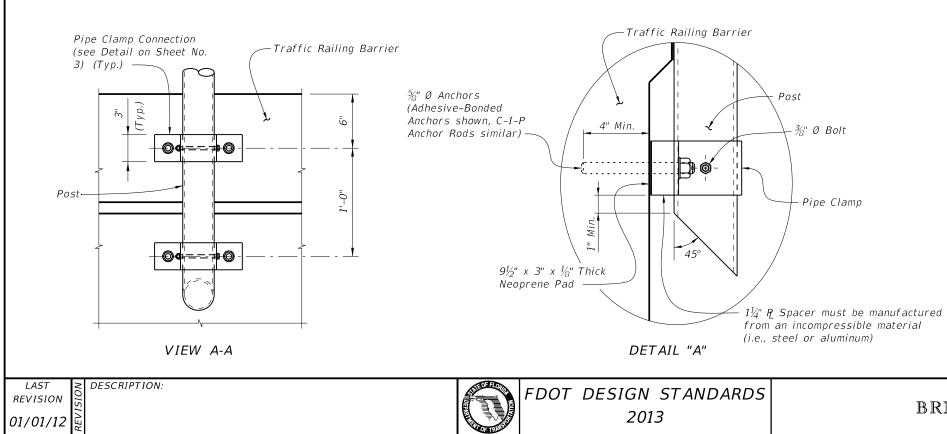


TABLE OF CHAIN LINK FENCE COMPONENTS				TABLE OF POST ATTACHMENT COMPONENTS		
COMPONENT		ASTM DESIGNATION	COMPONENT INFORMATION	COMPONENT	ASTM DESIGNATION	COMPONENT INFORMATION
Traffic Railing Barriers and Concrete Parapets	Posts	F 1083	Galvanized Steel Pipe – 3" NPS, Schedule 40 (3.500" Outside Diameter, 0.216" Wall Thickness)	Pipe Clamps	A 36 or A 709 Grade 36	¼" Steel P
	Chain Link Fabric (2" mesh with twisted top and knuckled bottom selvage)	A 392	Zinc Coated Steel – No. 9 gage (coated wire diameter), Class 2 Coating	Base Plates	A 36 or A 709 Grade 36	¾" Steel P
		A 491	Aluminum Coated Steel – No. 9 gage (coated wire diameter)	Shim Plates	A 36 or A 709 Grade 36 or B 209 Alloy 6061-T6 or B 221 Alloy 6063-T5	Plate thicknesses as required; Holes in shim plates will be $\frac{3}{4}$ " Ø
		F 668	Polyvinyl Chloride (PVC) Coated Steel - No. 9 gage Zinc Coated Wire (metallic-coated core wire diameter) \sim Specify the color of the polymer coating in the General Notes			
	Tie Wires	F 626	Zinc Coated Steel Wire – No. 9 gage	Spacers	-	$1_4^{\prime\prime\prime}$ $P_{\rm I}$ for all materials
	Brace Bands	F 626	No. 12 Gage (Min. thickness) x $^3\!\!/_4$ " (Min. width) Steel Bands (Beveled or Heavy)	Adhesive Anchor RodsAdhesive Anchor RodsC-I-P Anchor RodsBase Jate GameConnectionConnectionConnectionConnectionBoltsNutsWashers	F 1554 Grade 36	Fully threaded Headless Anchor Rods ~ $\frac{5}{8}$ " Ø x 6" (no spacer) or $\frac{5}{8}$ " Ø x 7 $\frac{1}{4}$ " (with spacer)
	Tension Bars	F 626	$^{3}_{16}$ " (Min. thickness) x $^{3}_{4}$ " (Min. width) x 5'-10" (Min. height) Steel Bars		F 1554 Grade 36	Hex Head Anchor Rods ~ $\frac{5}{6}$ " Ø x 6" (no spacer) or $\frac{5}{6}$ " Ø x 7 $\frac{1}{4}$ " (with spacer)
	Tension Bands	F 626	No. 14 Gage (Min. thickness) x $rac{3}{4}$ " (Min. width) Steel Bands		F 1554 Grade 36	Fully threaded Headless Anchor Rods ~
	<i>Miscellaneous Fence Components</i>	F 626	Zinc Coated Steel ~ (includes post or loop caps, horizontal and brace rail ends, combination rail ends, boulevard clamps and all other miscellaneous fittings & hardware)		5 1554 Cuerto 20	$\frac{7}{8}$ " Ø x 14 ¹ / ₂ "
Concrete Parapets	Horizontal Rails	F 1083	Galvanized Steel Pipe – 2½" NPS, Schedule 40 (2.875" Outside Diameter, 0.203" Wall Thickness)		F 1554 Grade 36	Hex Head Anchor Rods ~ $\frac{7}{8}$ " Ø x 14 $\frac{1}{2}$ " $\frac{3}{8}$ " Ø x 4 $\frac{3}{4}$ " Hex Head Bolts for Pipe Clamp
	Expansion Rails	F 1083	Galvanized Steel Pipe – 2" NPS, Schedule 40 (2.375" Outside Diameter, 0.154" Wall Thickness)		A 307	Connections to Posts
	Bolts	A 307	$\frac{1}{4}$ " Ø x $\frac{4}{4}$ " Hex Head Bolts for Expansion Rail Connections		A 563	Hex Nuts for Pipe Clamp and Base Plate Connections
	Nuts	A 563	Hex Nuts for Expansion Rail Connections		F 436	Flat Washers for Pipe Clamp and Base Plate Connections
	Washers	F 436	Flat Washers for Expansion Rail Connections	Neoprene Pads	-	In accordance with Specification Section 932
Traffic Railing Barriers	Tension Wire	A 824 & A 817	Type II (Zinc Coated Steel Wire) – No. 7 gage, Class 4 Coating			
			Type I (Aluminum Coated Steel Wire) - No. 7 gage			
	Hog Rings	F 626	Zinc Coated Steel Wire - No. 12 gage			
	Brace Rails	F 1083	Galvanized Steel Pipe – $1\frac{1}{4}$ " NPS, Schedule 40 (1.660" Outside Diameter, 0.140" Wall Thickness)			

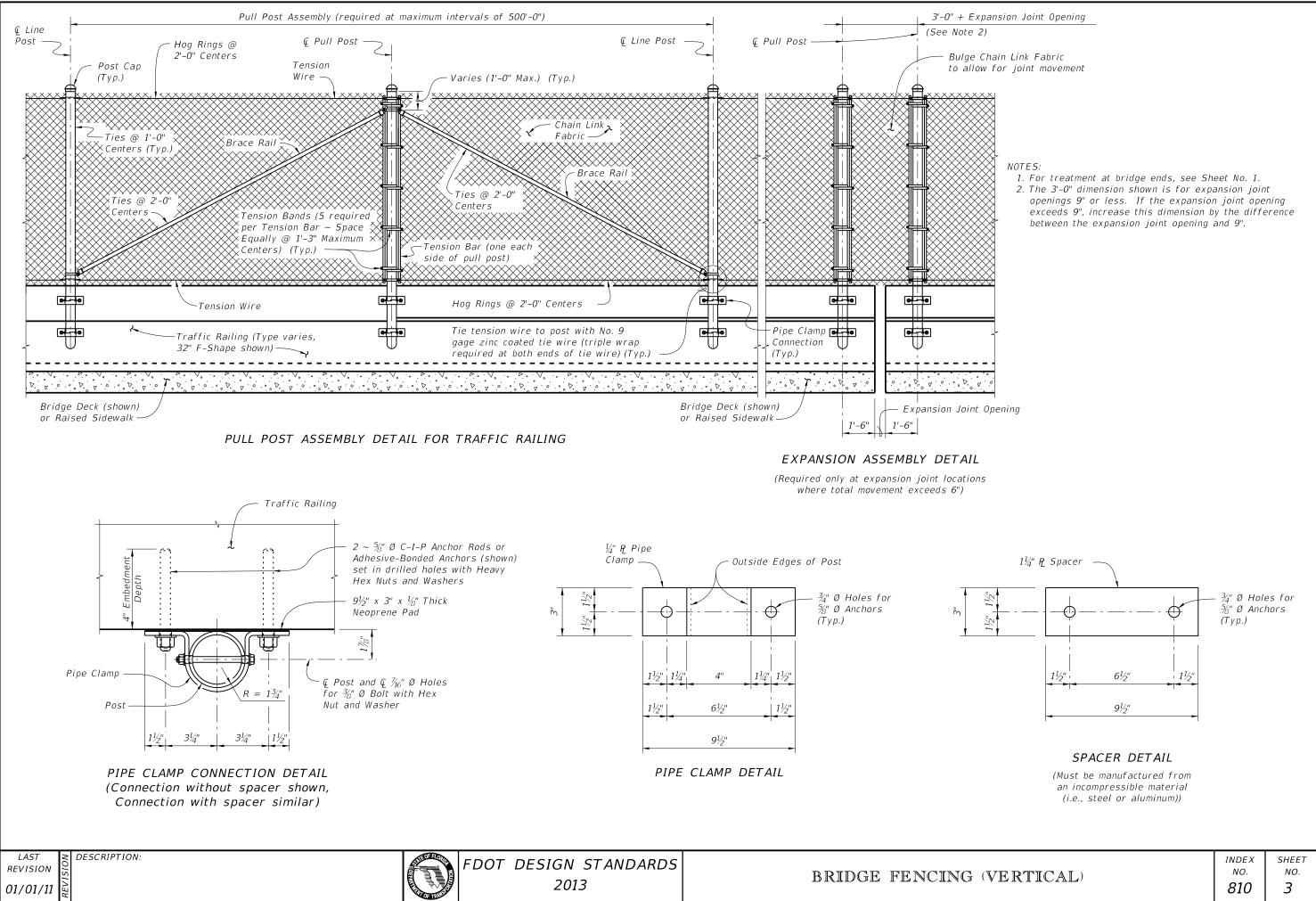


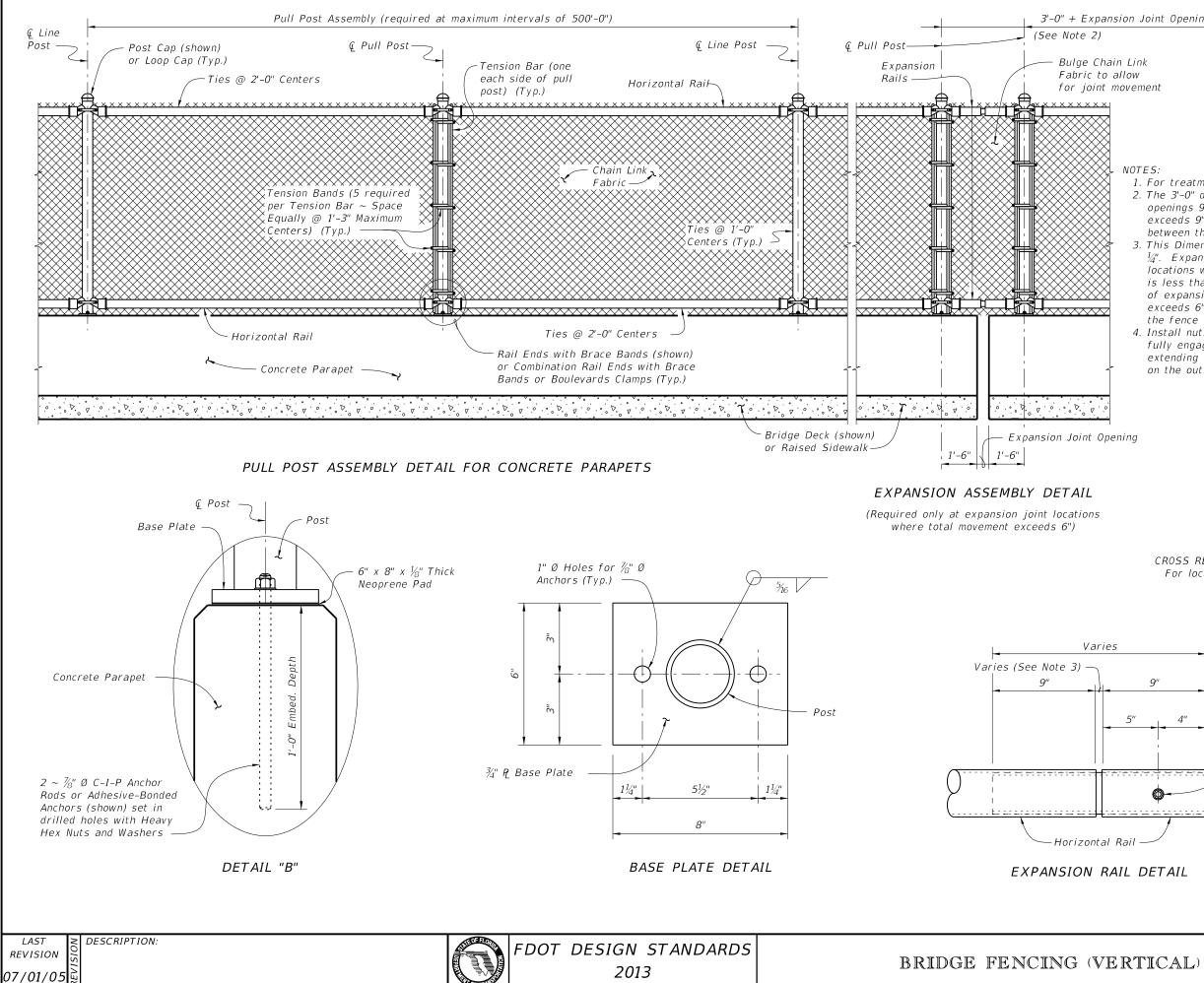
POST ATTACHMENT NOTES

- ANCHOR RODS, NUTS AND WASHERS: COATINGS:
- galvanize Fence Framework after fabrication. ADHESIVE-BONDED ANCHORS AND DOWELS:
- installation. WELDING:

CROSS REFERENCE:

After the nuts have been tightened, distort the Anchor Rod threads to prevent removal of the nuts. Coat distorted threads and exposed trimmed ends of anchors with a galvanizing compound in accordance with Specification Section 975. Hot-dip galvanize all Nuts, Washers, Bolts, C-I-P Anchor Rods, Adhesive Anchors and Fence Framework (Posts, Internal Sleeves, Shim Plates, Base Plates, Pipe Clamps and Spacers) in accordance with Specification Section 962. Hot-dip Adhesive Bonding Material Systems for Anchors and Dowels will comply with Specification Section 937 and be installed in accordance with Specification Section 416. Cutting of reinforcing steel is permitted for drilled hole All welding will be in accordance with the American Welding Society Structural Welding Code (Steel) ANSI/AWS D1.1 (current edition). Weld metal will be E60XX or E70XX. Nondestructive testing of welds is not required. For location of View A-A and Detail "A" see Sheet No. 1. SHEET INDEX NO. NO. 810 2





3'-0" + Expansion Joint Opening

NOTES: 1. For treatment at bridge ends, see Sheet No. 1. 2. The 3'-0" dimension shown is for expansion joint openings 9" or less. If the expansion joint opening exceeds 9", increase this dimension by the difference between the expansion joint opening and 9". 3. This Dimension is the expansion joint opening plus $\frac{1}{4}$ ". Expansion rails are required at expansion joint locations where the total movement exceeds 1", but is less than or equal to 6". Expansion rails are part of expansion assemblies when the total movement exceeds 6". Install expansion rails midway between the fence posts spanning the expansion joint. 4. Install nuts for expansion rails finger-tight. Nuts will fully engage bolts with a minimum of one bolt thread extending beyond the nuts. Distort the first thread on the outside of the nut to prevent loosening. CROSS REFERENCE: For location of Detail "B" see Sheet No. 1. 9" 5" 4" $\frac{1}{4}$ " Ø Bolt with Hex Nut and Washer (See Note 4) ത്ര Expansion Rail SHEET INDEX NO. NO. 810 4