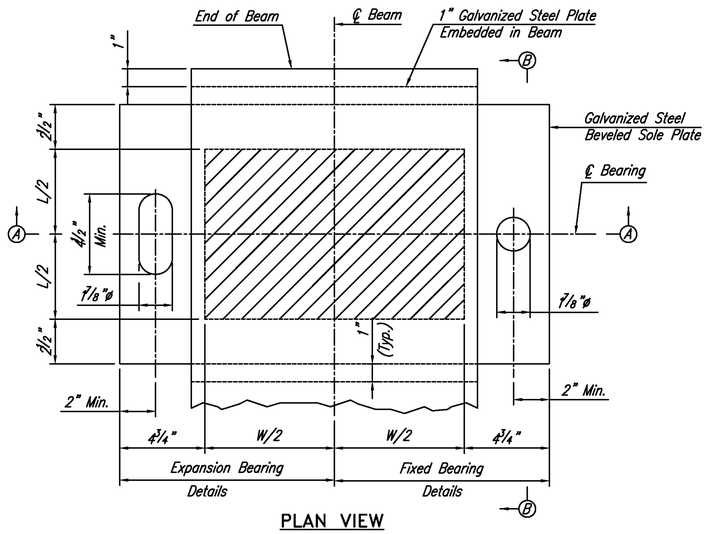
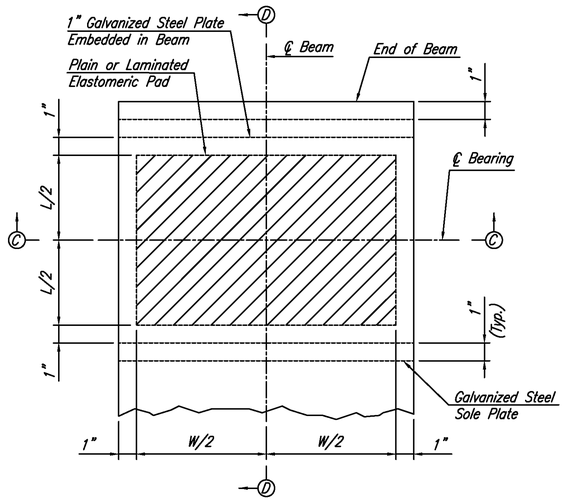
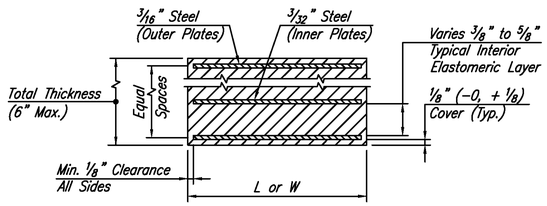


PLAN VIEW

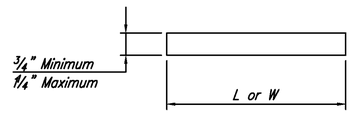


PLAN VIEW



CROSS SECTION OF LAMINATED ELASTOMERIC PAD

N.T.S.



PLAIN PAD

N.T.S.

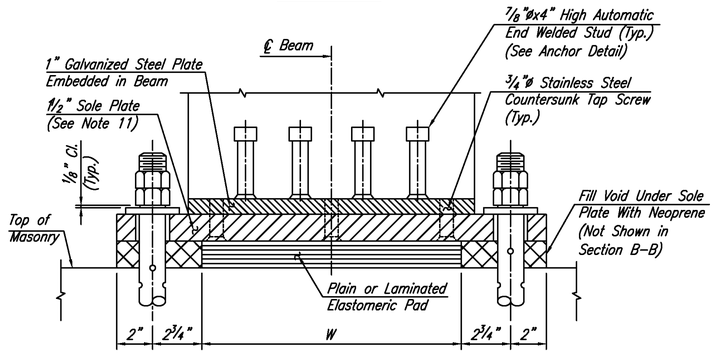
NOTES:

1. Elastomeric Bearings shall conform to Section 408.
2. Steel in sole plates and studs shall be Grade 36 and hot dip galvanized unless otherwise noted.
3. Steel laminates shall be ASTM A36 or A1011.
4. Swedged anchor bolts (ASTM A307), nuts (ASTM A563) and washers (ASTM F436) shall be hot dip galvanized.
5. The cost for anchor bolts, nuts and washers, the sole plate, studs, screws and galvanized steel plate shall be included in the price bid for Prestressed Concrete Beams.
6. Fill anchor bolt sole plate holes with non–hardening caulking compound at the fixed bearings.
7. Do not apply epoxy waterproofing seal coat to the bearing surfaces within 2" of the bearing pad and neoprene.
8. Sole plate to be beveled as necessary due to vertical geometry of roadway and beam. Maintain 1½" thickness at center line of bearing.
9. Associated construction shall conform to Sections 401, 402, and 403.
10. Laminated Elastomeric Bearing Pads shall be vulcanized to the sole plate and masonry plate unless noted otherwise on the plans.

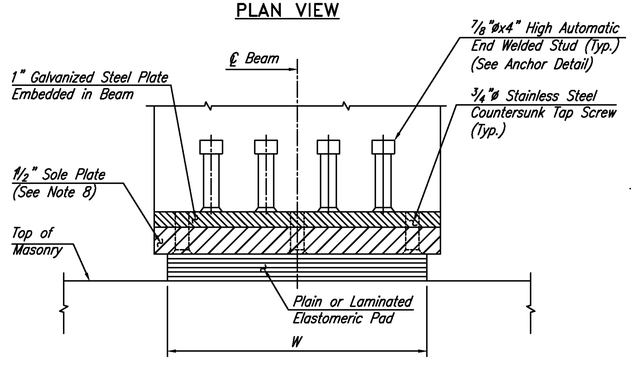
⚠1

ADDITIONAL NOTES FOR DESIGNERS:

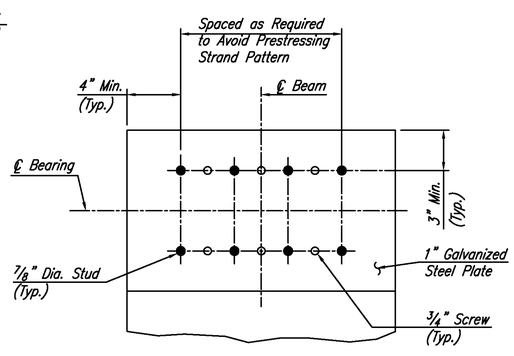
1. The diameter, number and embedment shown for the anchor bolts are minimums. They are to be designed to meet current AASHTO design criteria. The anchor bolts shall be swedged.
2. The minimum distance from the center of the anchor bolt to the edge of the masonry shall be 5".



SECTION A–A

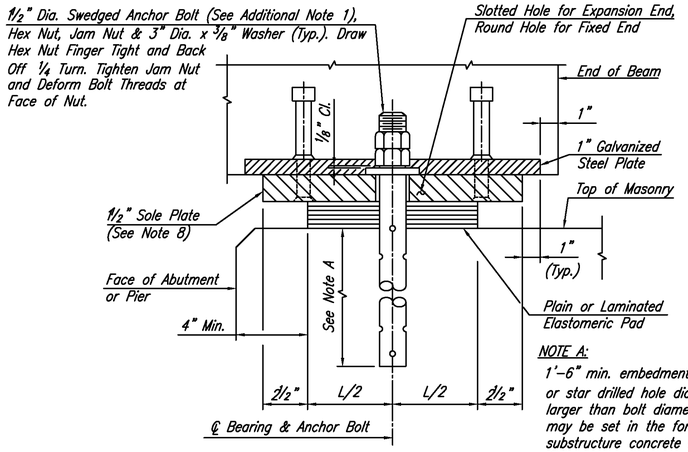


SECTION C–C



ANCHOR DETAIL

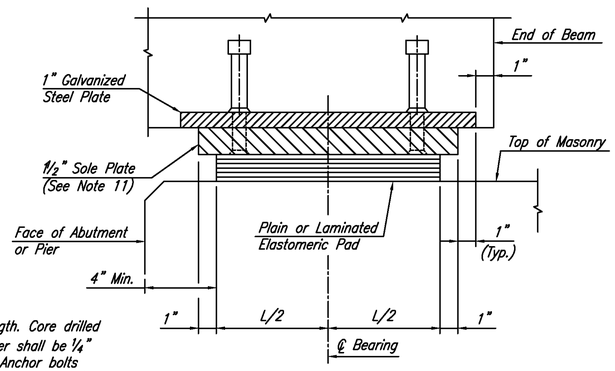
N.T.S.



SECTION B–B
OPTION 1

N.T.S.
(Fixed and expansion)

NOTE A:
1'–6" min. embedment length. Core drilled or star drilled hole diameter shall be ¼" larger than bolt diameter. Anchor bolts may be set in the forms prior to pouring substructure concrete or set in oversize (3" dia. max.) circumferentially corrugated metal sleeves previously placed. Wash and dry hole before filling with polyester resin or epoxy resin grout.



SECTION D–D
OPTION 2

N.T.S.
(Fixed – beams made continuous for live load)

0 ½ 1 2 3 4

ORIGINAL SIZE IN INCHES

App.	No.	DATE	REVISION
	1	6/07	ADDED NOTE 10
		2/05	REISSUED; CONFORMS TO 2004 SPECS

NEW JERSEY TURNPIKE AUTHORITY
NEW JERSEY TURNPIKE

ELASTOMERIC BEARINGS – PRESTRESSED CONCRETE BEAMS

OFFICE OF THE CHIEF ENGINEER
WOODBRIDGE, NEW JERSEY

2004 STANDARD DRAWING BR–11

CONTRACT NO. SHEET NO. OF