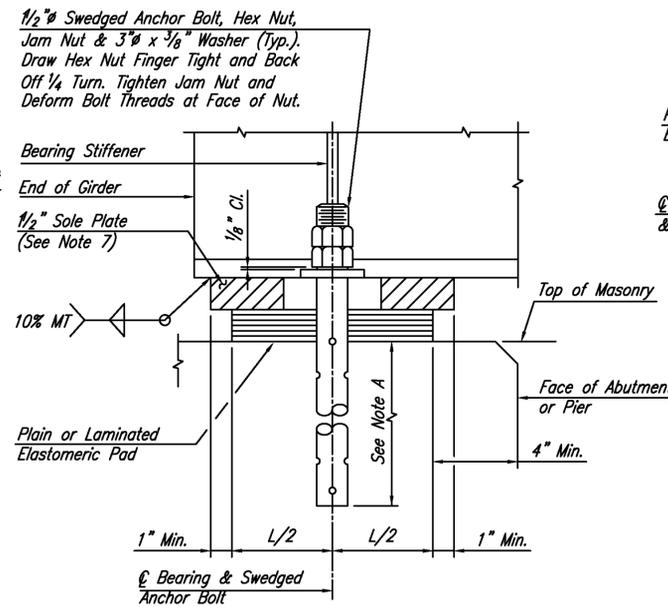
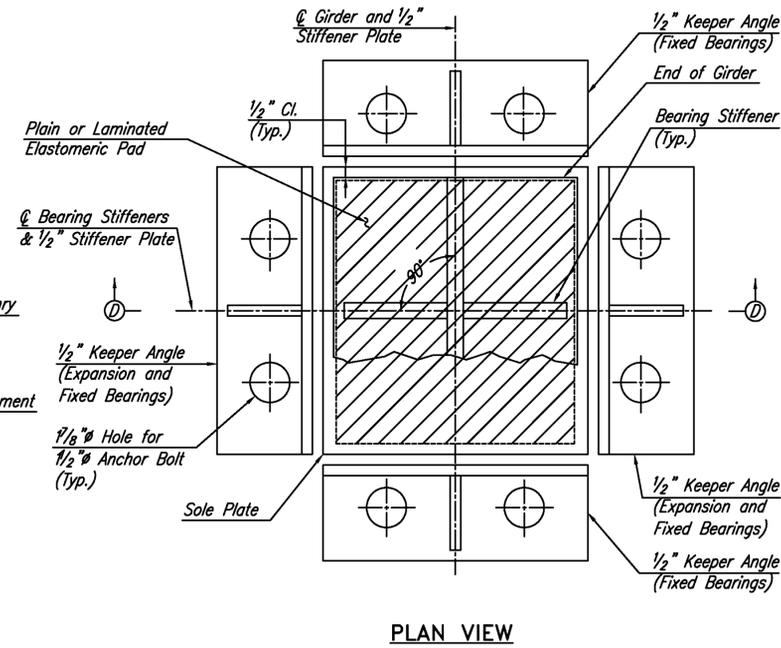


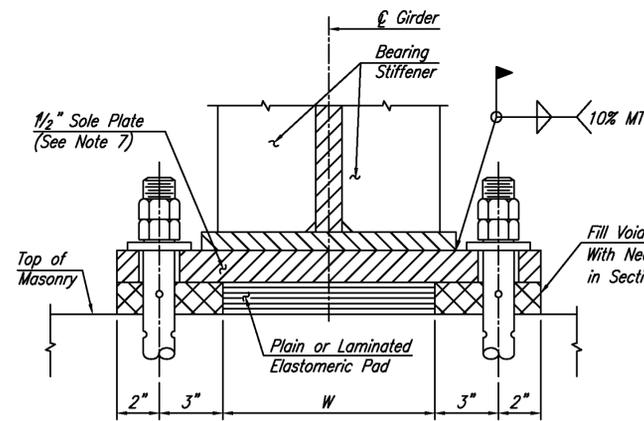
PLAN VIEW



SECTION B-B



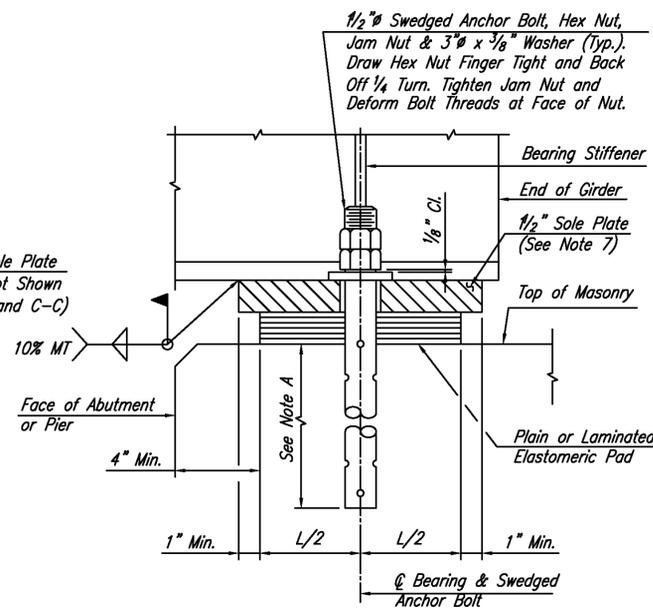
PLAN VIEW



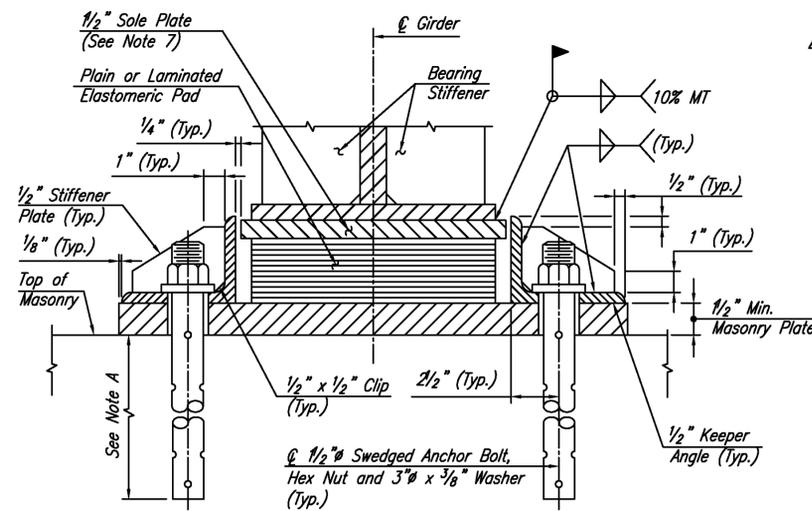
SECTION A-A

NOTE A:
 1'-6" min. embedment length. Core drilled or star drilled hole diameter shall be 1/4" 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.

OPTION 1
 N.T.S.

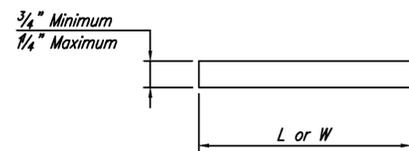


SECTION C-C

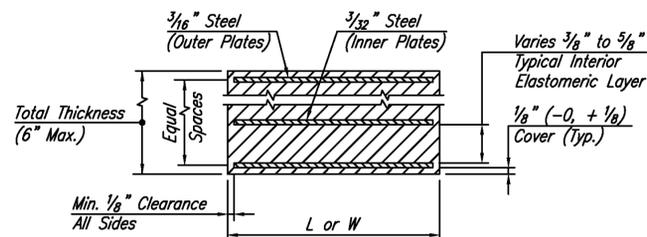


SECTION D-D

OPTION 2
 N.T.S.



PLAIN PAD
 N.T.S.



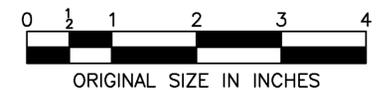
CROSS SECTION OF LAMINATED ELASTOMERIC PAD
 N.T.S.

NOTES:

- Elastomeric Bearings shall conform to Section 408.
- Masonry plates, sole plates and angles shall be Grade 50W and shall be painted in accordance with plans and specifications.
- Steel laminates shall be ASTM A36 or A1011.
- Swedged anchor bolts (ASTM A307), nuts (ASTM A563) and washers (ASTM F436) shall be hot dip galvanized.
- Fill anchor bolt sole plate holes with non-hardening caulking compound at the fixed bearings.
- If Option 1 is selected, do not apply waterproofing seal coat to the bearing surfaces within 2" of the bearing pad and neoprene.
- Sole plate to be beveled as necessary due to vertical geometry of roadway and beam. Maintain 1/2" thickness at center line of bearing.
- Welding procedures, overall fabrication methods and quality control inspection procedure shall be included as written procedure specifications with the shop drawing submission.
- MT indicates Magnetic Particle Testing.
- Associated construction shall conform to Sections 401 and 403.
- Laminated Elastomeric Bearing Pads shall be vulcanized to the sole plate and masonry plate unless noted otherwise on the plans.

ADDITIONAL NOTES FOR DESIGNERS:

- The weld sizes and sizes of the keeper angles and stiffener plates as well as the number, diameter and embedment of the anchor bolts are minimums. They are to be designed to meet current AASHTO design criteria. The anchor bolts shall be swedged.
- The minimum distance from the center of the anchor bolt to the edge of the masonry shall be 5".
- When Option 2 is selected, only the middle two beams (total beam quantity is an even number) or middle three beams (total beam quantity is an odd number) need to be restrained against lateral movement.



2	6/07	ADDED NOTE 11
1	1/08	NOTE 2 REVISED
	2/05	REISSUED; CONFORMS TO 2004 SPECS
App. No.	DATE	REVISION

NEW JERSEY TURNPIKE AUTHORITY
 NEW JERSEY TURNPIKE

ELASTOMERIC BEARINGS - STEEL BEAMS

OFFICE OF THE CHIEF ENGINEER
 WOODBRIDGE, NEW JERSEY

2004 STANDARD DRAWING
 BR-10