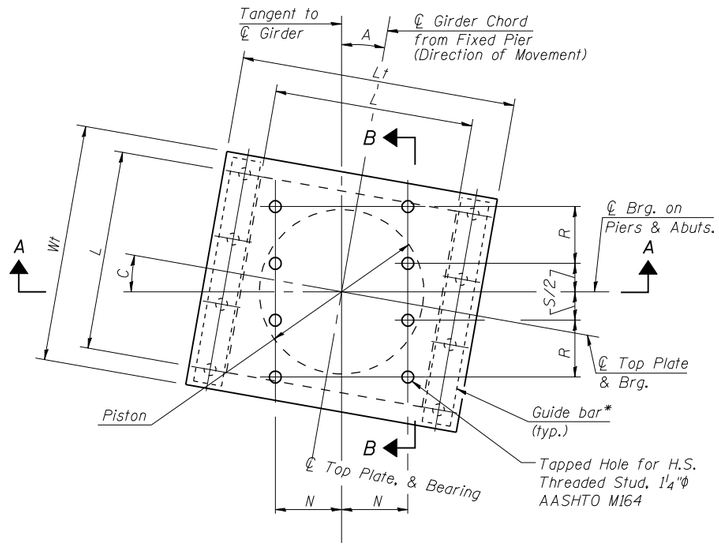
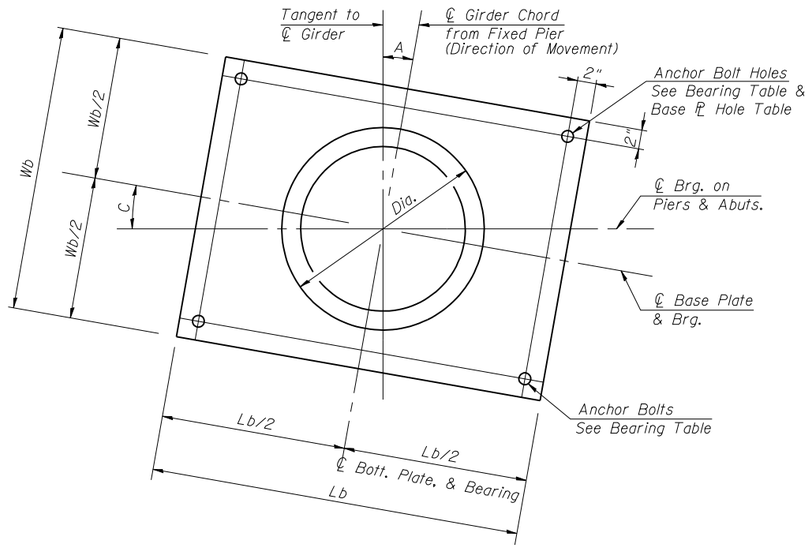


TOP BEARING ℄ AND PISTON PLAN



BOTTOM BEARING ℄ AND BASE CYLINDER PLAN

Notes:

The Structural Steel for the top & bottom bearing plates shall be AASHTO M270 Grade 50.

For anchor bolt type and details see bearing table.

Top & bottom plates, threaded studs, washers & shim plates are included in the cost of the bearings.

Anchor bolts for bearings shall be placed in holes drilled in the concrete through holes in the bottom bearing plate after members are in place.

Drilled and set anchor bolts shall be installed according to Article 521.06 of the Standard Specifications.

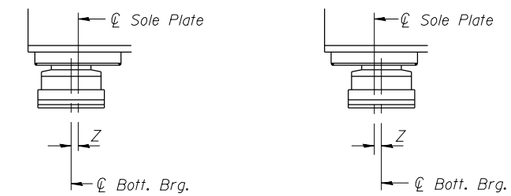
The ⅛" PTFE sheet shall be bonded directly to the piston with a two-component, medium viscosity epoxy resin, conforming to the requirements of the Federal Specification MMM-A-134, Type I. The bond agent shall be applied on the full area of the contact surfaces.

Two ⅛" adjusting shims shall be provided for each bearing in addition to all other plates or shims and placed as shown on bearing details.

The anchor bolt sizes and grades shown constitute a calculated seismic structural fuse. Substitution of higher diameter and/or grade anchor bolts will not be allowed.

Bearing dimensions and details shown are for pot type HLMR bearings. Disc type HLMR bearing dimensions and details will vary.

Anchor bolts shall be ASTM F1554 all-thread (or an Engineer-approved alternate material) of the grade(s) and diameter(s) specified. The corresponding specified grade of AASHTO M314 anchor bolts may be used in lieu of ASTM F1554.

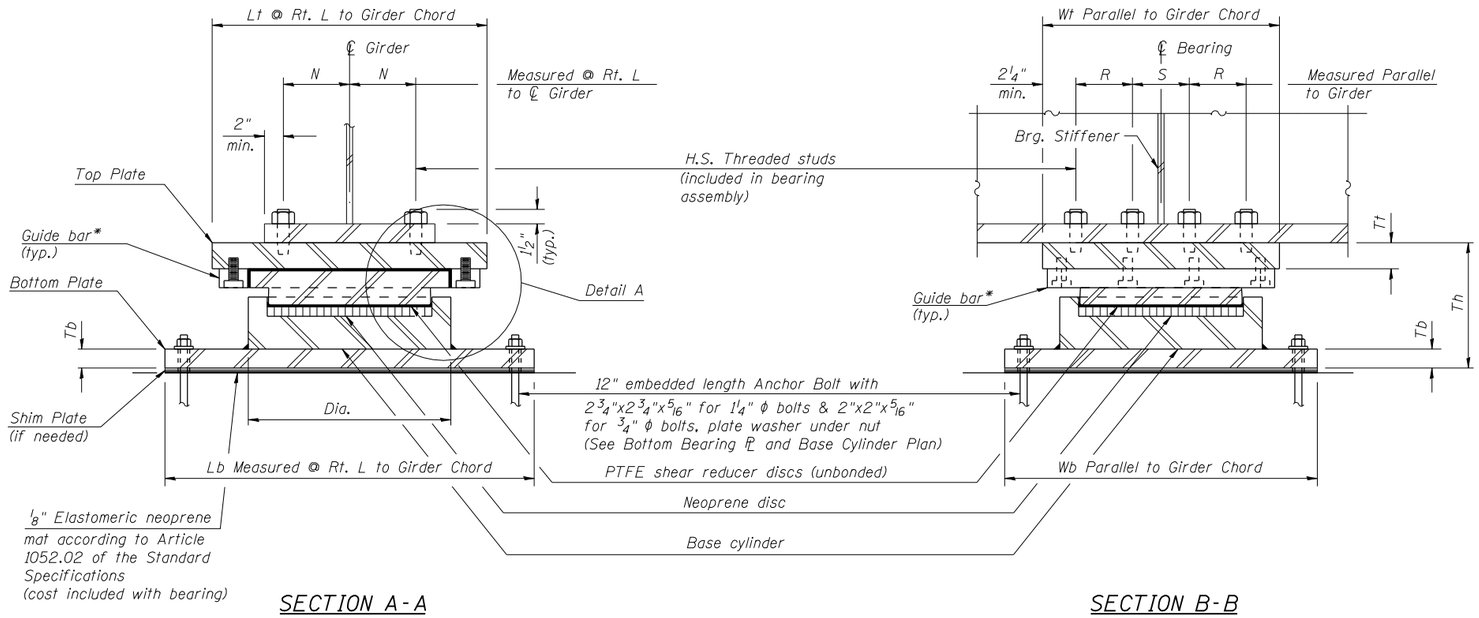


BELOW 50° F. (Move bottom brg. away from fixed brg.)

ABOVE 50° F. (Move bottom brg. toward fixed brg.)

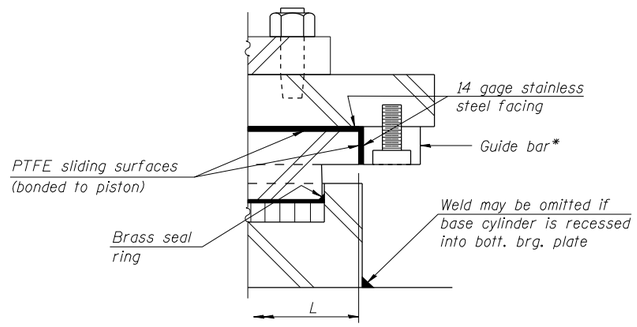
SETTING ANCHOR BOLTS AT EXP. BRG.

Z=⅛" per each 100' of expansion for every 15° temp. change from the normal temp. of 50° F. See Bearing Orientation Details for Expansion/Contraction lengths.



SECTION A-A

SECTION B-B



DETAIL A

**As alternates to the bolted connection shown, the guide bars may be connected to the top bearing plate by groove welds or the guide bars and top bearing plate may be fabricated as a single piece. Avoid interference with guide bar bolts and top plate mounting bolts.*

BASE PLATE HOLE TABLE

Anchor Bolt ϕ	Max. Hole ϕ
1¼"	1¾"
¾"	1¼"