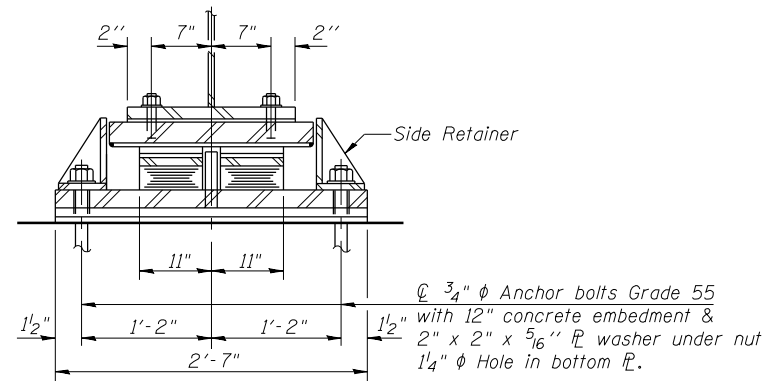
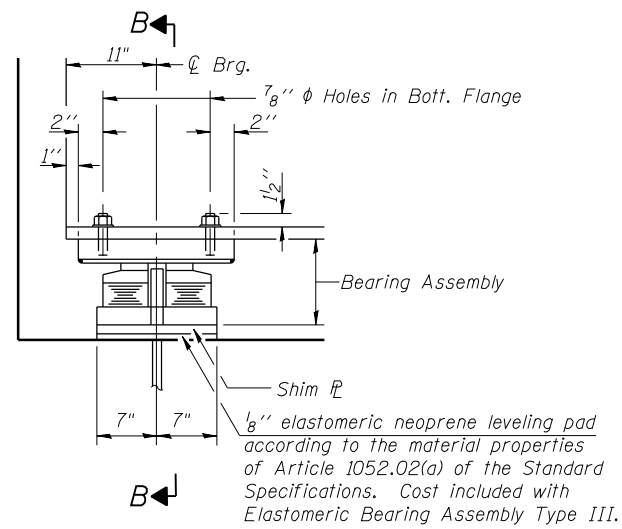


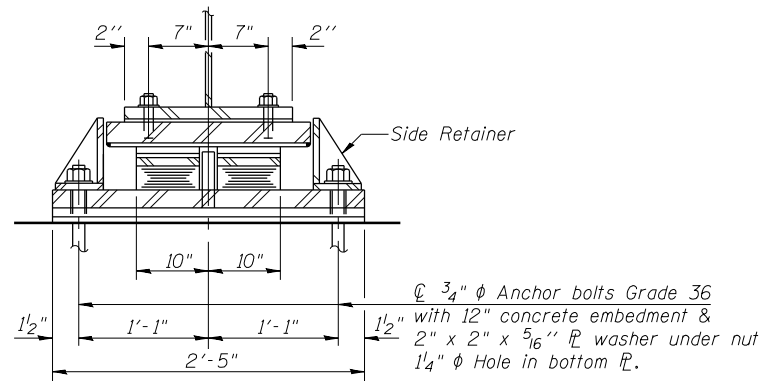
ELEVATION



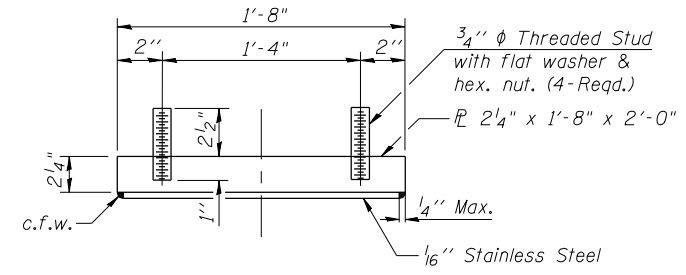
SECTION A-A



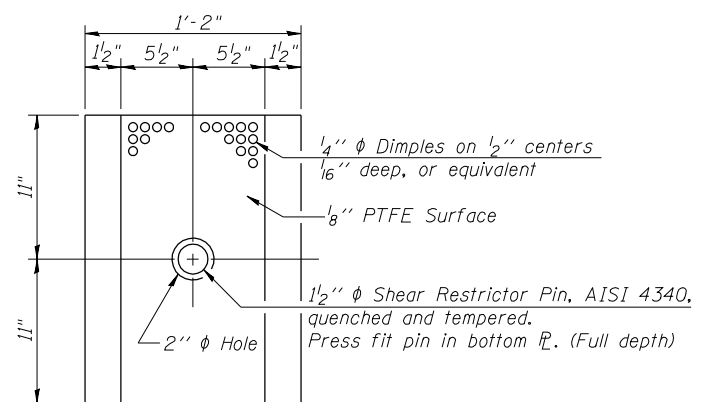
ELEVATION



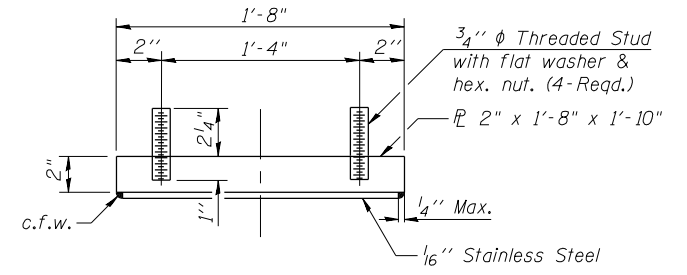
SECTION B-B



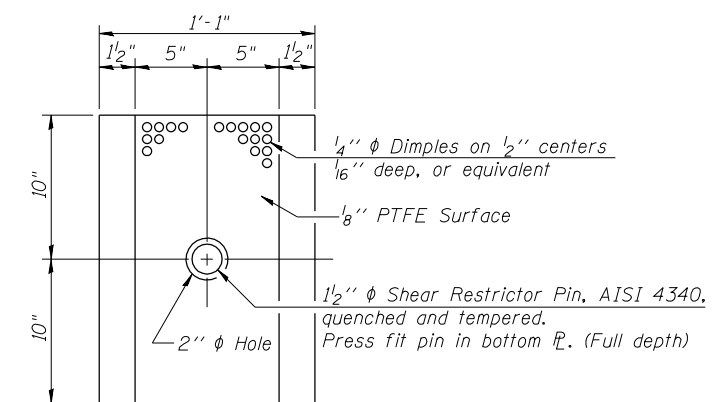
TOP BEARING ASSEMBLY



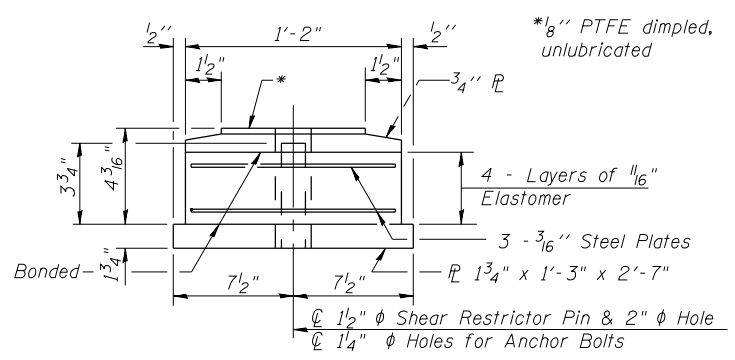
PLAN-PTFE ELASTOMERIC BRG.



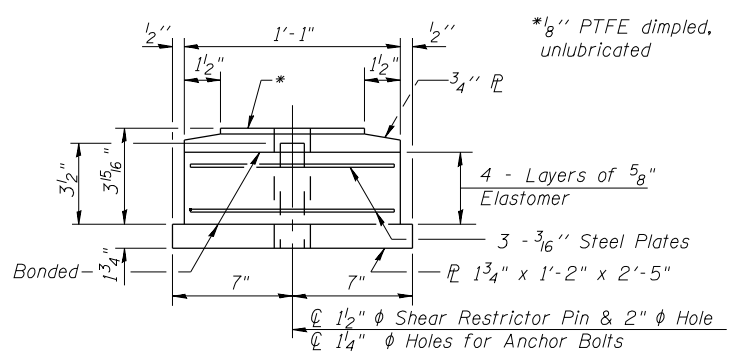
TOP BEARING ASSEMBLY



PLAN-PTFE ELASTOMERIC BRG.



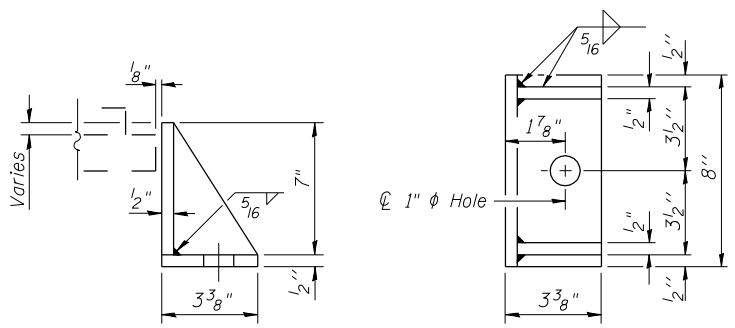
BOTTOM BEARING ASSEMBLY



BOTTOM BEARING ASSEMBLY

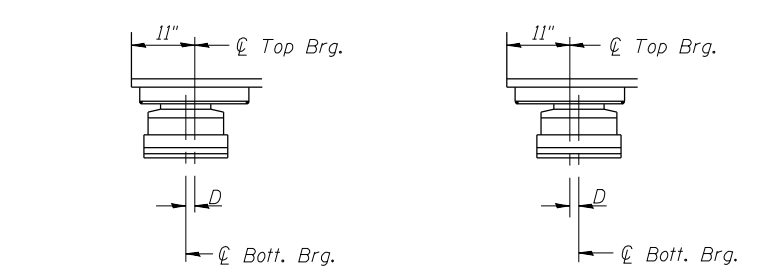
TYPE III ELASTOMERIC EXP. BRG. AT EAST ABUT'S. (EB & WB)

TYPE III ELASTOMERIC EXP. BRG. AT WEST ABUT. (WB)



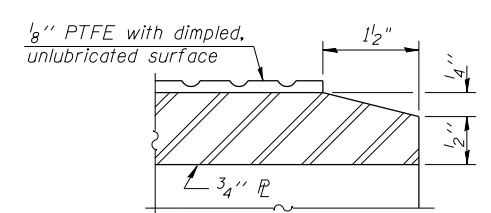
SIDE RETAINER

Equivalent rolled angle with stiffeners will be allowed in lieu of welded plates.



SETTING ANCHOR BOLTS AT EXP. BRG.

D=1/8" per each 100' of expansion for every 15° temp. change from the normal temp. of 50° F.



SECTION THRU PTFE

BILL OF MATERIAL

Item	Unit	Total
Elastomeric Bearing Assembly Type III	Each	18
Anchor Bolts, 3/4"	Each	36

Notes:
 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.
 Anchor bolts for Type III bearings shall be placed in holes drilled in the concrete through holes in the bottom bearing plate after members are in place. Side retainers shall be placed after bolts are installed.
 Drilled and set anchor bolts shall be installed according to Article 521.06 of the Standard Specifications.
 Side retainers and other steel members required for the elastomeric bearing assembly shall be included in the cost of Elastomeric Bearing Assembly, Type III.
 The 1/8" PTFE sheet shall be bonded directly to the top steel plate 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.
 Bonding of 1/8" PTFE sheet during vulcanizing process will be permitted provided the process and method of adjusting assembly height is approved by the Engineer.
 The structural steel plates of the Bearing Assembly shall conform to the requirements of AASHTO M 270 Grade 50.
 Two 1/8" 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.



USER NAME = has	DESIGNED - RDP	08/13	REVISED -
ESCA PROJECT NO. 1070.09	CHECKED - SHL	08/13	REVISED -
PLOT DATE = 1/28/2014	DRAWN - DWH	08/13	REVISED -
1:32:03 PM	CHECKED - RDP/ELH	01/14	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**ELASTOMERIC BEARING DETAILS
 STRUCTURE NOS. 026-0106 & 026-0107**

SHEET NO. 68 OF 113 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	(26-3B-1, 3B-1(3))BR	FAYETTE	277	148
CONTRACT NO. 74175			ILLINOIS FED. AID PROJECT	