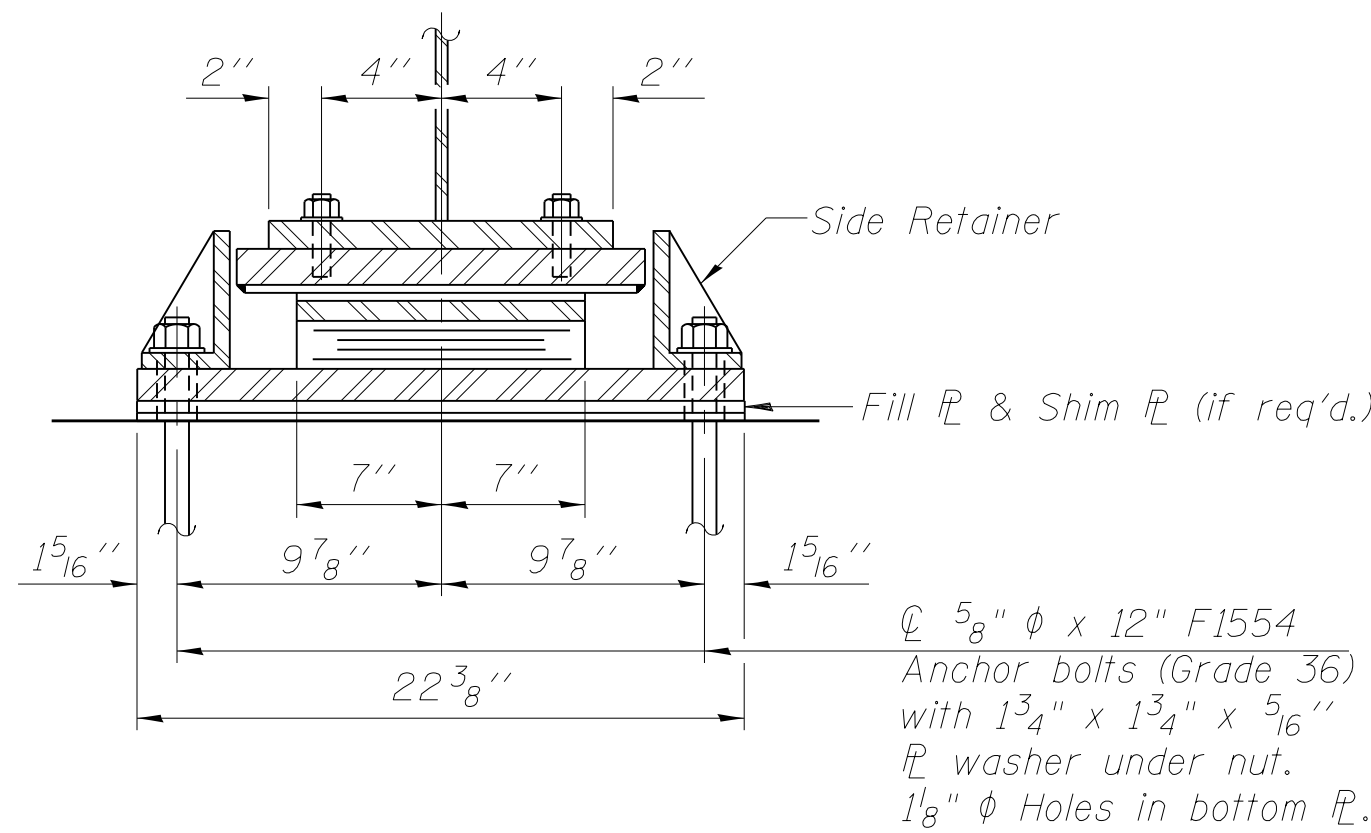
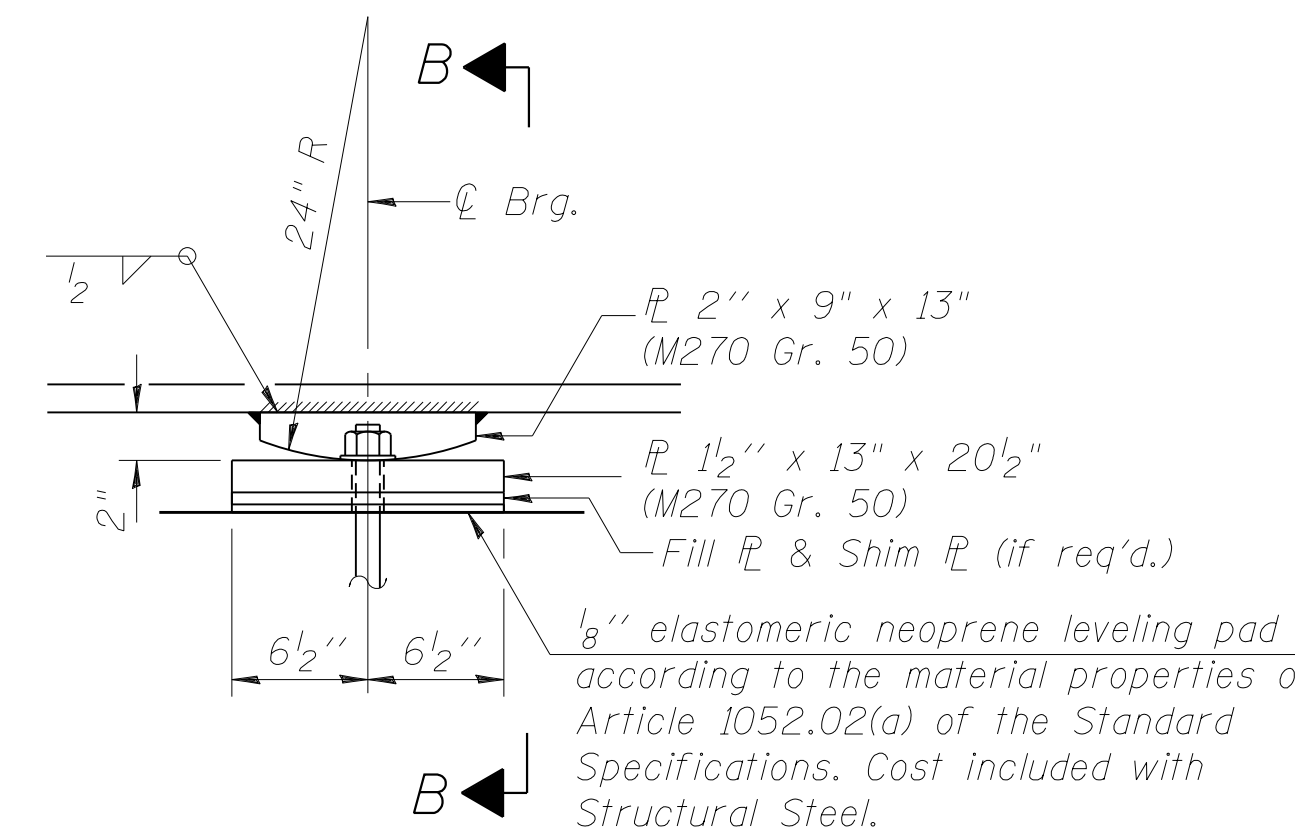


ELEVATION AT ABUT.

TYPE II ELASTOMERIC EXP. BRG. OVER E. ABUTMENT

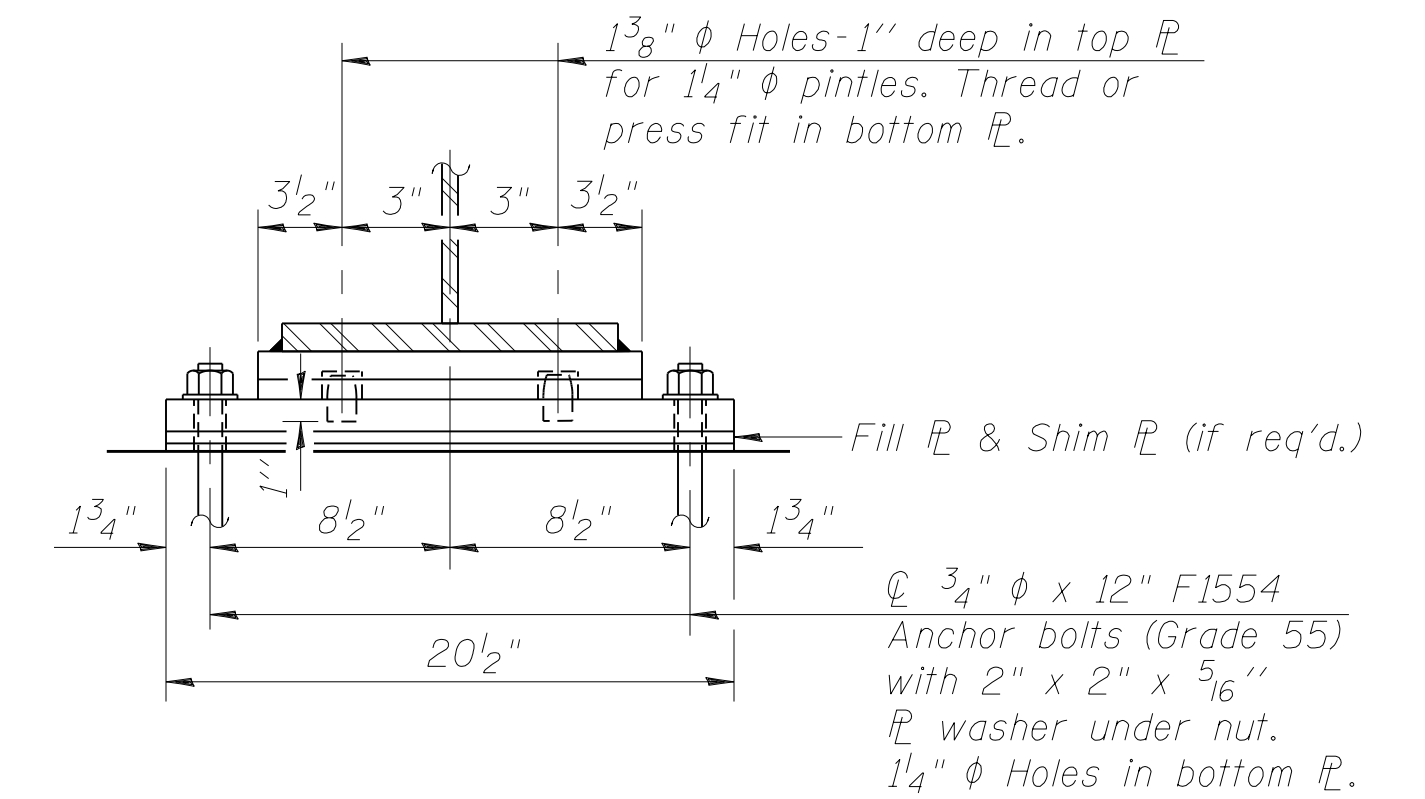


SECTION A-A



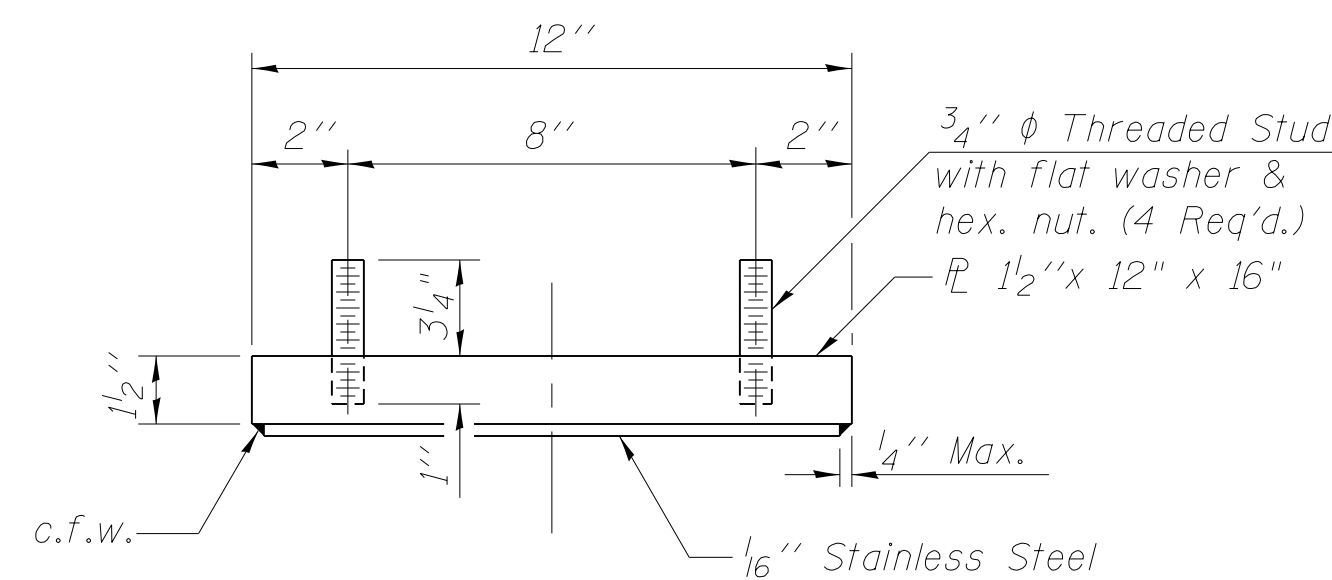
ELEVATION AT PIER

FIXED BEARING AT PIER 3

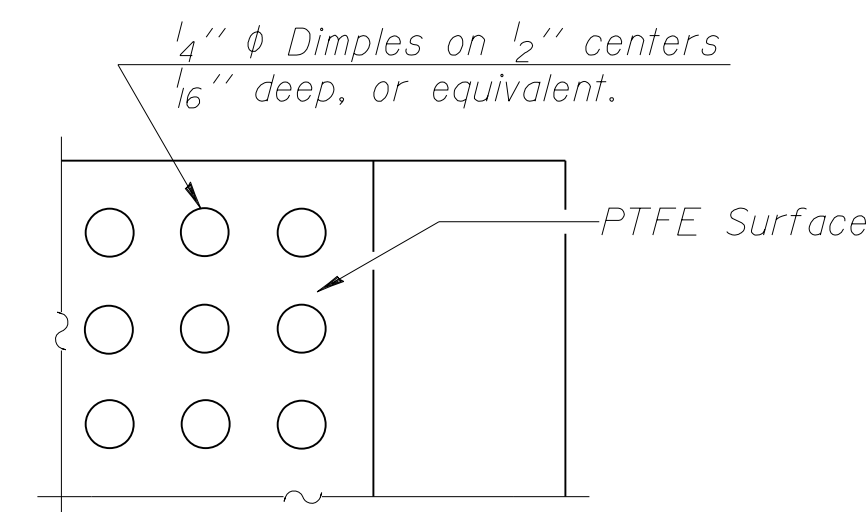


SECTION B-B

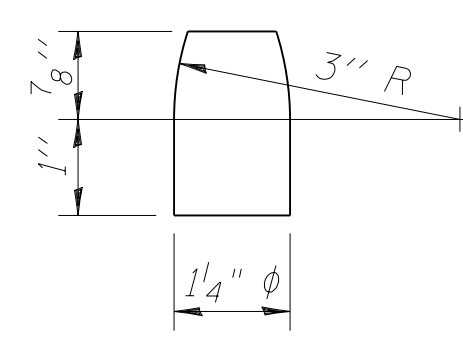
Notes:  
Anchor bolts shall be ASTM F1554 all-thread (or an Engineer-approved alternate material) of the grade(s) and diameter(s) specified. The corresponding specified grade of AASHTO M314 anchor bolts may be used in lieu of ASTM F1554.  
Anchor bolts at fixed bearings may be either cast in place or installed in holes drilled after the supported member is in place.  
Anchor bolts for Type II 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 II.  
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.  
Two 1/8 in. adjusting shims shall be provided for each bearing in addition to all other plates or shims and placed as shown on bearing details.



TOP BEARING ASSEMBLY

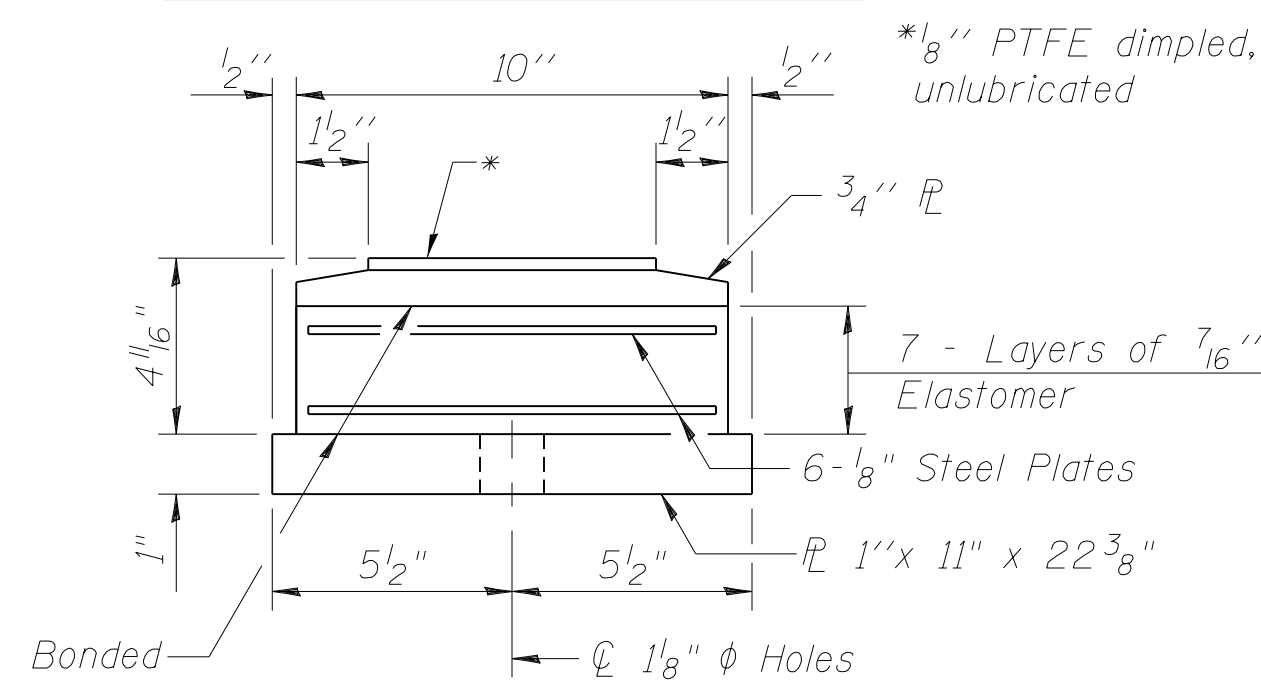


PLAN-PTFE SURFACE

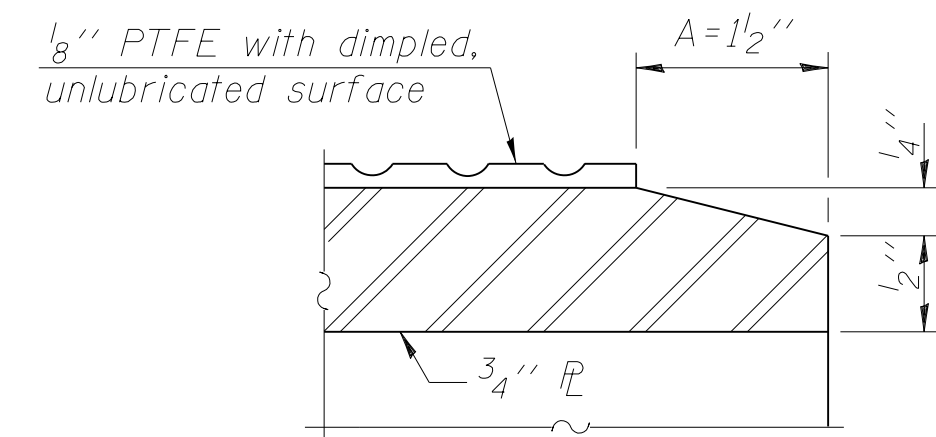


PINTLE

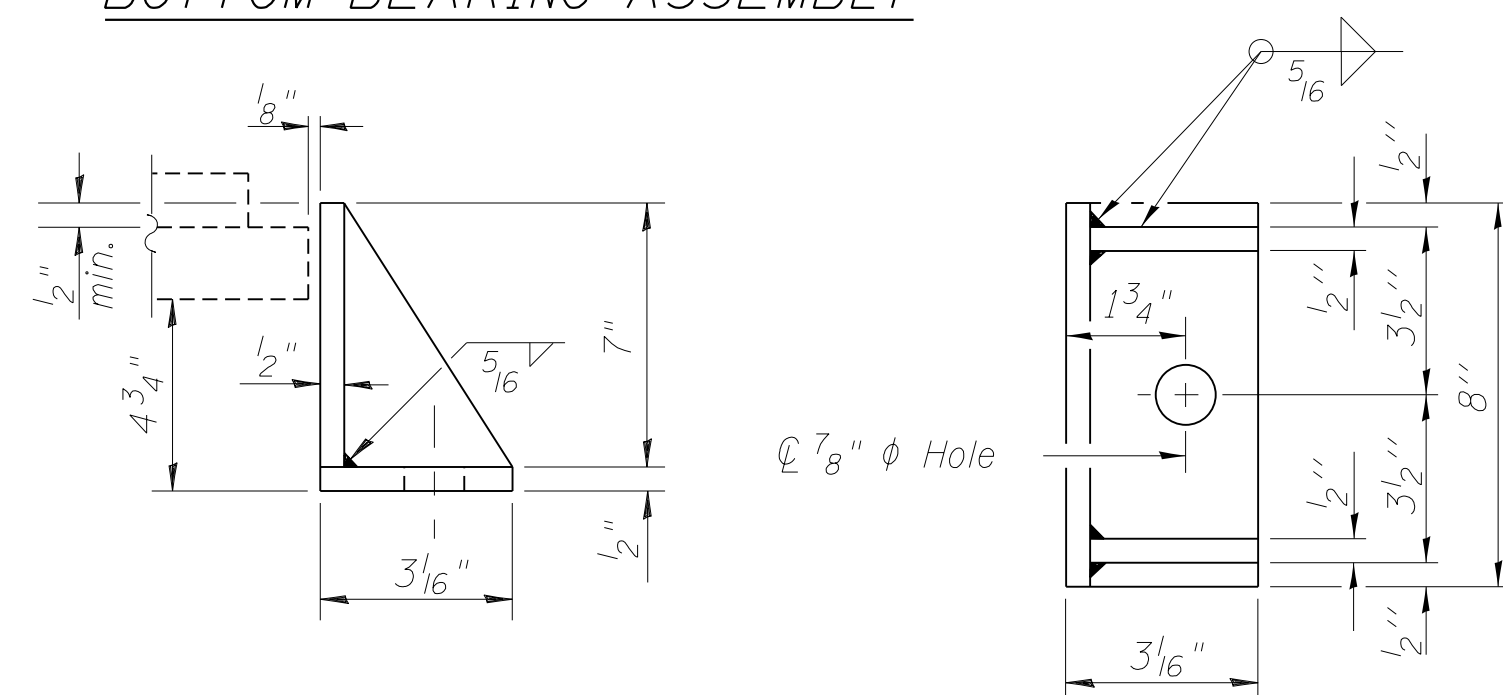
M270 Grade 50



BOTTOM BEARING ASSEMBLY

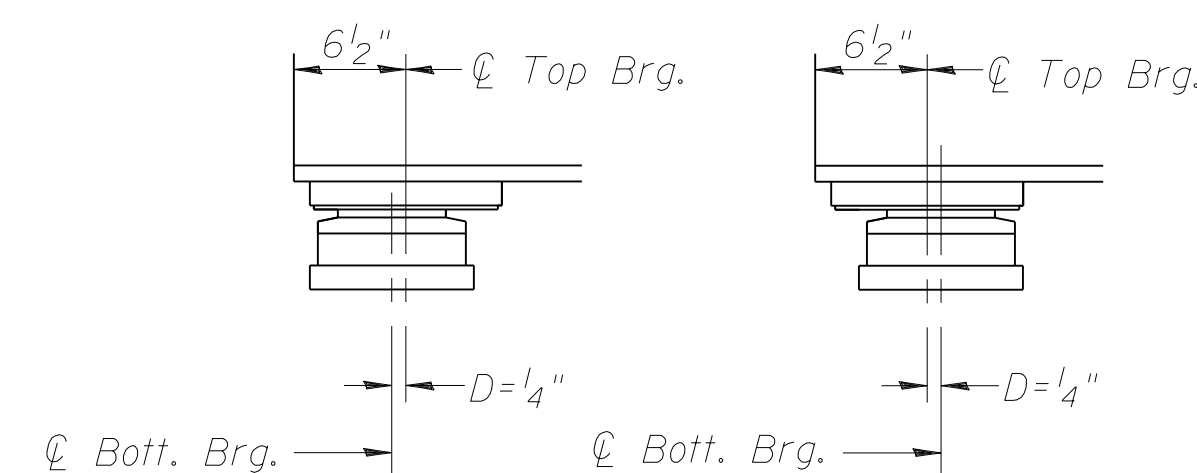


SECTION THRU PTFE



SIDE RETAINER

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



BELOW 50°F. (Move bott. brg. away from fixed brg.)  
ABOVE 50°F. (Move bott. brg. toward fixed brg.)

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.

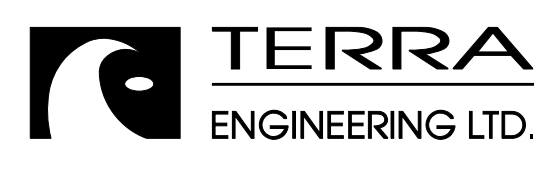
BILL OF MATERIAL

Item	Unit	Total
Elastomeric Bearing Assembly Type II	Each	14
Anchor Bolts, 5/8"	Each	28
Anchor Bolts, 3/4"	Each	28

M:\1 E7\_OVER CNRR & QLDL 45\0-Drawings\Coadd Drawings\Structural\Final Plans\SHTS\0366942-033-bearing\_details.dgn

I-2E-2

7-1-10



USER NAME =	DESIGNED - EA	REVISED
	CHECKED - OY	REVISED
PLOT SCALE =	DRAWN - CM	REVISED
PLOT DATE	CHECKED - JB	REVISED

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

BEARING DETAILS  
STRUCTURE NOS. 038 - 0013 & 0014

SHEET NO. S33 OF S71 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	38-2HWB, HVBR-1	IROQUOIS	146	72
CONTRACT NO. 66942				
ILLINOIS FED. AID PROJECT				