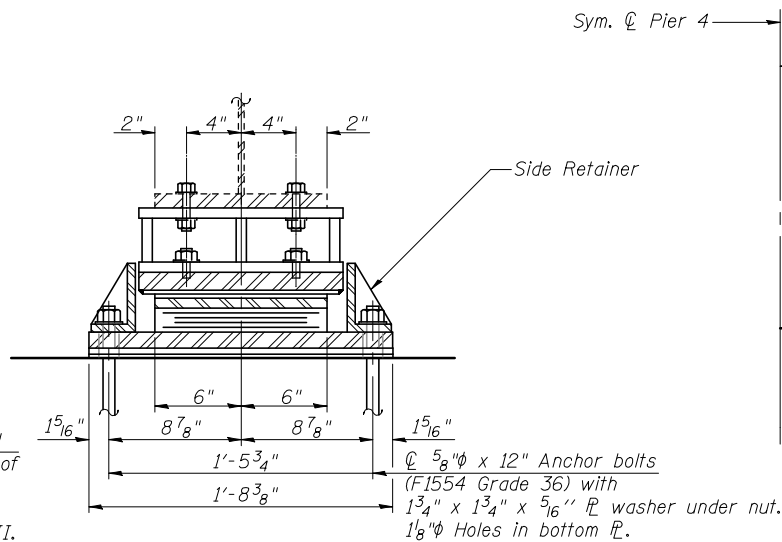
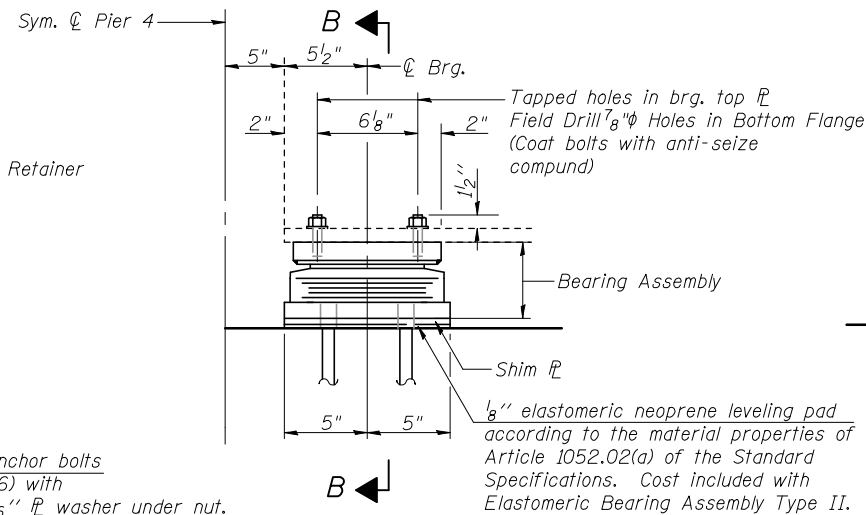


ELEVATION AT ABUT.



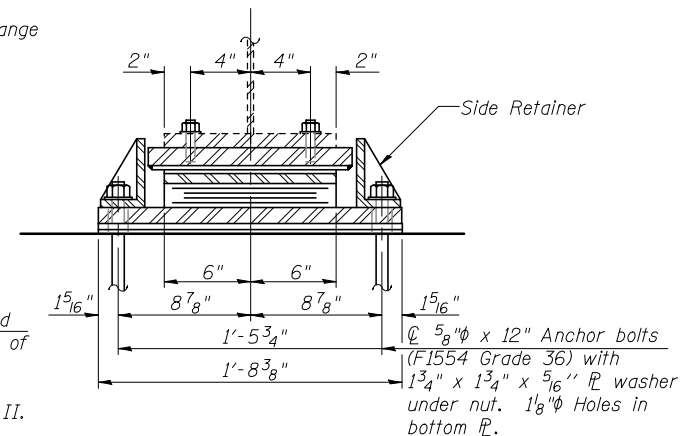
SECTION A-A

TYPE II ELASTOMERIC EXP. BRG.

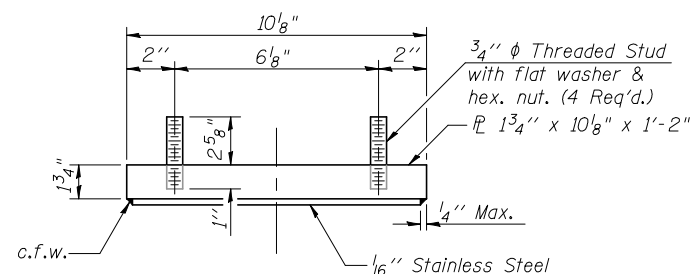


ELEVATION AT PIER 4

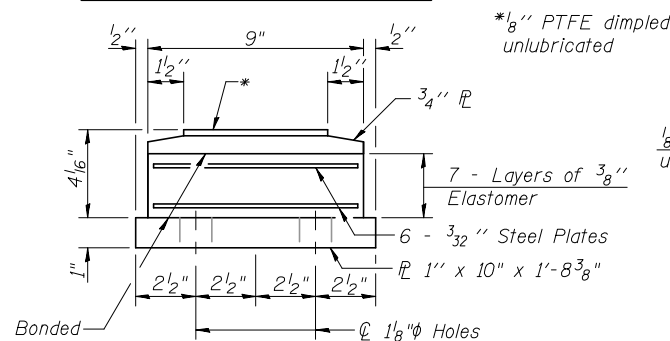
TYPE II ELASTOMERIC EXP. BRG.



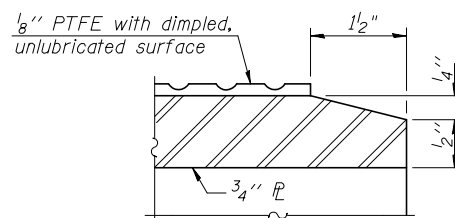
SECTION B-B



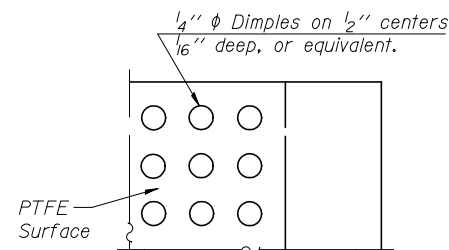
TOP BEARING ASSEMBLY



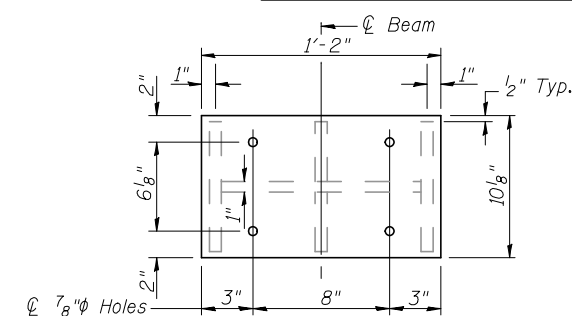
BOTTOM BEARING ASSEMBLY



SECTION THRU PTFE

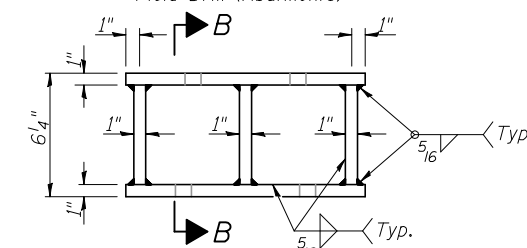


PLAN-PTFE SURFACE



PLAN STEEL EXTENSION

* Field Drill (Abutments)



ELEVATION STEEL EXTENSION

(Abutments)

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 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.

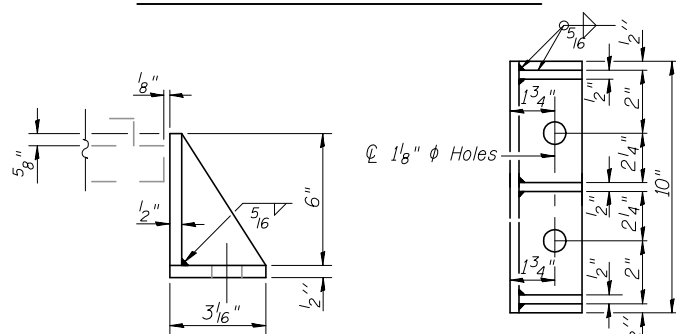
Steel extensions, shims and bolts shall be included in the cost of Furnishing and Erecting Structural Steel.

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.

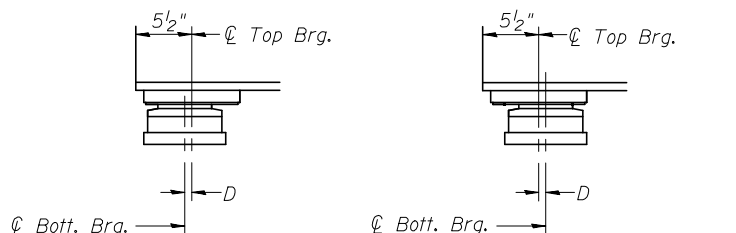
Two 1/8 in. adjusting shims shall be provided for each bearing in addition to all other plates or shims and placed as shown on bearing details.

The cost of field drilling is included with Furnishing and Erecting Structural Steel.



SIDE RETAINER

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



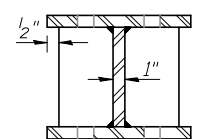
BELOW 50°F.

ABOVE 50°F.

(Move bott. brg. away from fixed brg.) (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.



SECTION B-B

BILL OF MATERIAL

Item	Unit	Total
Elastomeric Bearing Assembly Type II	Each	48
Anchor Bolts, 5/8"	Each	192
Furnishing & Erecting Structural Steel	L Sum	1

BLANK, WESSELINK, COOK & ASSOCIATES

DECATUR, ILLINOIS

ENGINEERS - CONSULTANTS

DESIGN FIRM NO. 184000894

FILE NAME =	USER NAME =	DESIGNED PBB	REVISD -
		CHECKED MCB	REVISD -
		DRAWN D&D	REVISD -
		CHECKED MCB	REVISD -

DESIGNED PBB	REVISD -
CHECKED MCB	REVISD -
DRAWN D&D	REVISD -
CHECKED MCB	REVISD -

DESIGNED PBB	REVISD -
CHECKED MCB	REVISD -
DRAWN D&D	REVISD -
CHECKED MCB	REVISD -

DESIGNED PBB	REVISD -
CHECKED MCB	REVISD -
DRAWN D&D	REVISD -
CHECKED MCB	REVISD -

DESIGNED PBB	REVISD -
CHECKED MCB	REVISD -
DRAWN D&D	REVISD -
CHECKED MCB	REVISD -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BEARING DETAILS
STRUCTURE NO. 018-0049(W.B.) & 0050(E.B.)

SHEET NO. 22 OF 42 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	(18-47-VBK (18-47B, 18-47HB)BR	CUMBERLAND	147	114
			CONTRACT NO. 74466	
ILLINOIS FED. AID PROJECT				