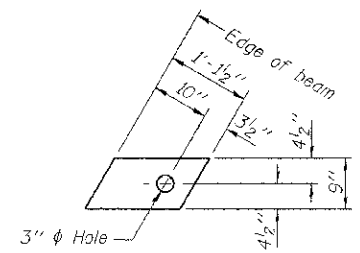
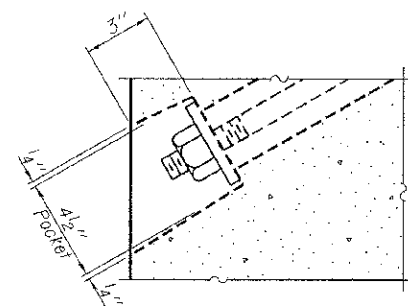


FABRIC BEARING PAD
(Interior - 16 Req'd. - Fixed)
(Interior - 16 Req'd. - Expansion)

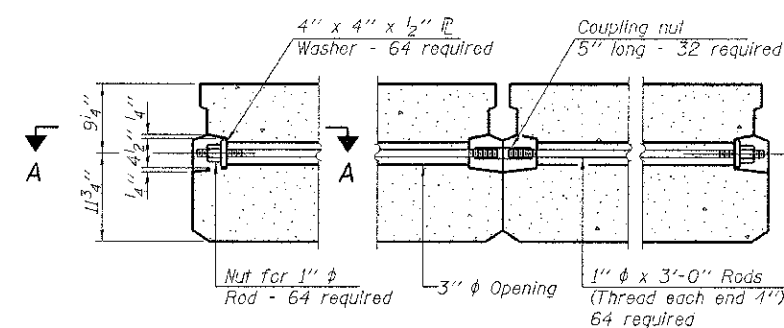


FABRIC BEARING PAD
(Exterior - 4 Req'd. - Fixed)
(Exterior - 4 Req'd. - Expansion)

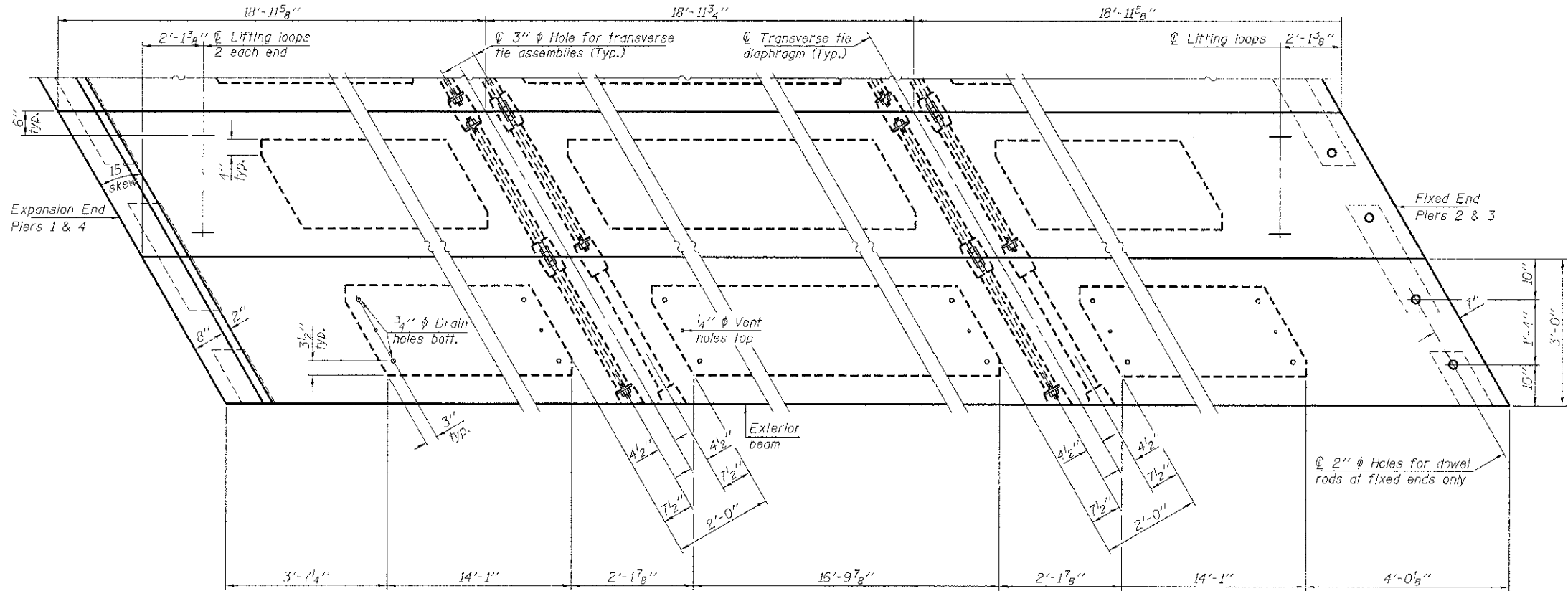
FIXED
Notes:
All bearing pads shall be 1" thick.
Omit holes when using expansion bearings.
Expansion bearing pad shall be bonded to the substructure.



SECTION A-A



TYPICAL TRANSVERSE TIE ASSEMBLY

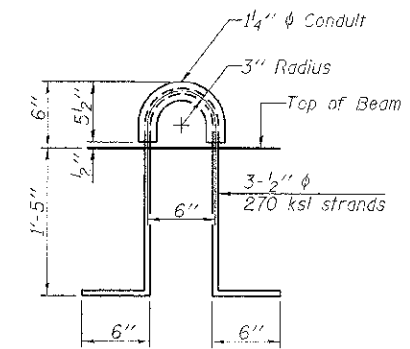


PLAN VIEW

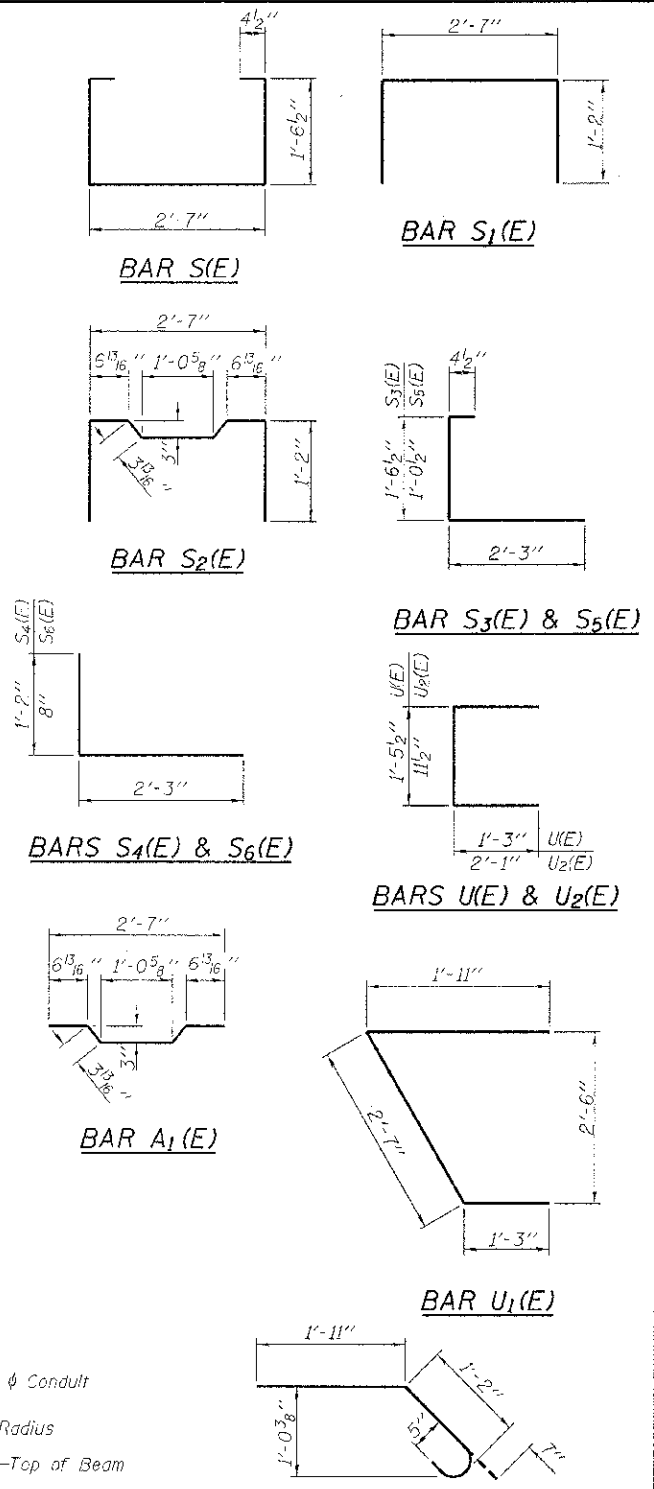
Note: Connect beams in pairs with the transverse tie configuration shown.

NOTES

Prestressing steel shall be uncoated high strength, low relaxation 7-wire strand, Grade 270. The nominal diameter shall be 1/2" and the nominal cross-sectional area shall be 0.153 sq. in. The 1" diameter rods in the transverse tie assembly shall be tightened to a snug fit and the threads set. Pockets on exterior faces of bridge shall be filled with grout after transverse tie assembly is in place.
Reinforcement bars shall conform to ASTM A 706, Grade 60. (See Special Provisions). Two 1/8" fabric adjusting shims of the dimensions of the exterior bearing pad shall be provided for each bearing pad location.
A minimum 2 1/2" diameter lifting pin shall be used to engage the lifting loops during handling.
Corrosion inhibitor, per Article 1020.05(b)(12) and 1021.07 of the Standard Specifications, shall be used in the concrete for precast prestressed concrete deck beams.
Compressive strength of prestressed concrete, f'c, shall be 6000 psi.
Compressive strength of prestressed concrete at release, f'ci, shall be 5000 psi.
All bars shall be epoxy coated.



LIFTING LOOP DETAIL



**BILL OF MATERIAL
SPANS 2 & 4**

Precast Prestressed Conc. Deck Bms. (21" depth)	Sq. Ft.	3,074
Hot-Mix Asphalt Surface Course, Mix C, N50	Ton	38
Waterproofing Membrane System	Sq. Yd.	337
P.C. Mortar Fairing Course	Foot	228

FILE NAME = 120127-ent-bridge.dgn	USER NAME =	DESIGNED - D.W.T.	REVISED -
HAMPTON, LENZINI AND RENWICK, INC.		CHECKED - S.W.M.	REVISED -
1110 S. WASHINGTON ST. SUITE 100 SPRINGFIELD, ILLINOIS 62762	PLOT SCALE =	DRAWN - D.A.B.	REVISED -
ILLINOIS PROFESSIONAL DESIGN FIRM LS 174 / IFC CODE: 104.000005	PLOT DATE = 4/9/2013	CHECKED - S.W.M.	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**21" x 36" PPC DECK BEAM DETAILS - SPANS 2 & 4
STRUCTURE NO. 039-3097**

SHEET NO. 8 OF 21 SHEETS

C.H.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
11	06-00145-00-BR	JACKSON	54	41
DELLINGER ROAD			CONTRACT NO. 99509	
ILLINOIS FED. AID PROJECT:				