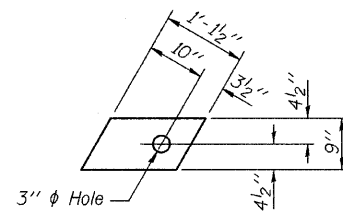


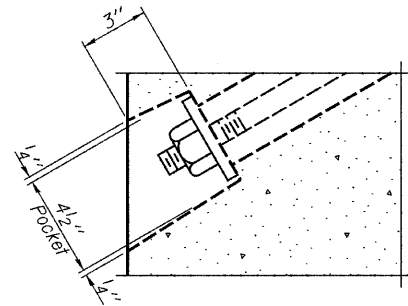
**FABRIC BEARING PAD**  
(Interior)



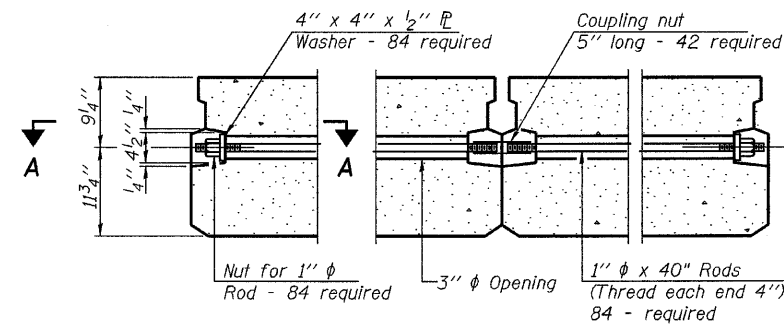
**FABRIC BEARING PAD**  
(Exterior)

**FIXED**

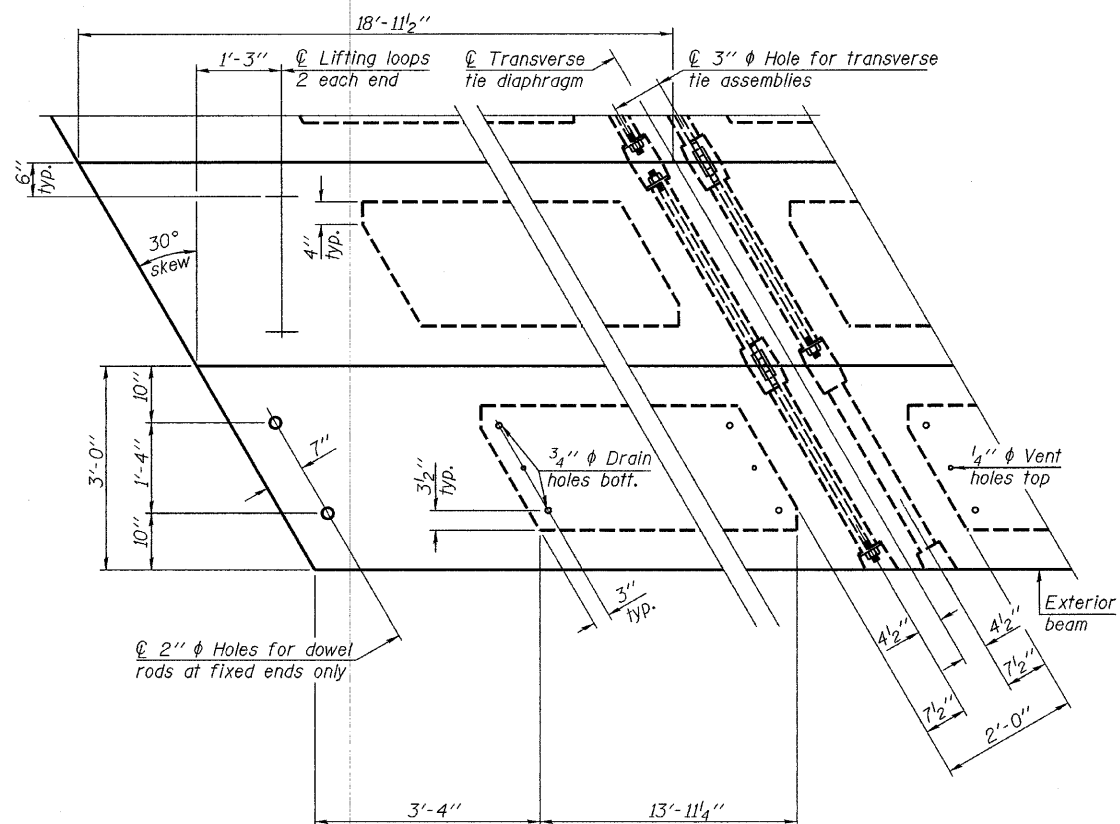
Notes:  
All bearing pads shall be 1" thick.  
Omit holes when using expansion bearings.  
Expansion bearing pad shall be bonded to substructure.



**SECTION A-A**



**TYPICAL TRANSVERSE TIE ASSEMBLY**

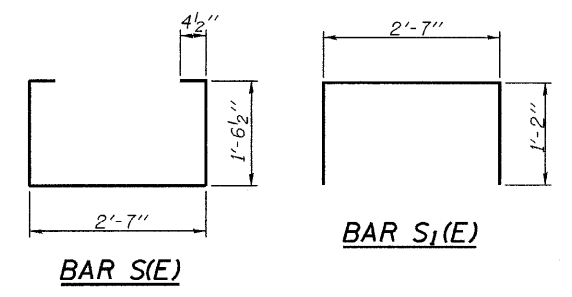


**PLAN VIEW**

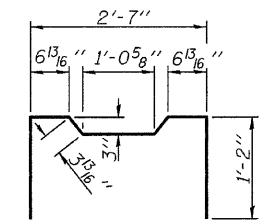
Note: Connect beams in pairs with the transverse tie configuration shown.

**NOTES**

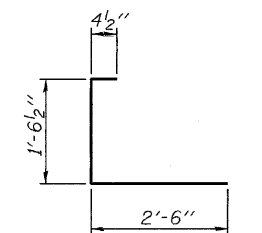
Prestressing steel shall be uncoated high strength, low relaxation 7-wire strand, Grade 270. The nominal diameter shall be 1/2" and the nominal cross-sectional area shall be 0.153 sq. in. The 1" rods in the transverse tie assembly shall be tightened to a snug fit and the threads set. Pockets on exterior 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 1021.06 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.



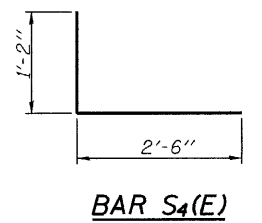
**BAR S1(E)**



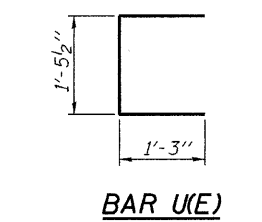
**BAR S2(E)**



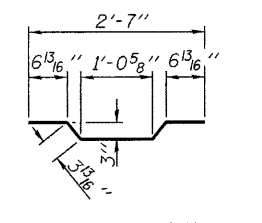
**BAR S3(E)**



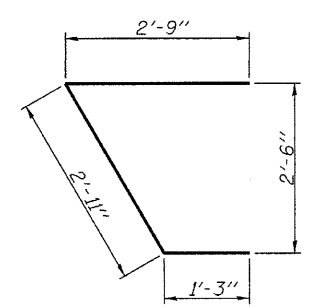
**BAR S4(E)**



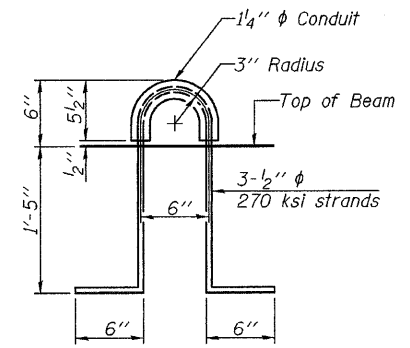
**BAR U1(E)**



**BAR A1(E)**



**BAR U1(E)**



**LIFTING LOOP DETAIL**

**BILL OF MATERIAL**

Precast Prestressed Conc. Deck Bms. (21" depth)	Sq. Ft.	5119
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**21" X 36" PPC DECK BEAM DETAILS  
STRUCTURE NO. 032-7006**

PD-2136-RD

FILE NAME = 007-DECKBEAM36.DGN	USER NAME =	DESIGNED - J.K.C.	REVISED -	<b>FAU 5958 (OTTAWA AVENUE) SECTION 07-00137-00-BR GRUNDY COUNTY</b>	<b>PPC DECK BEAM DETAILS</b>			F.A.U. RTE. 5958	SECTION 07-00137-00-BR	COUNTY GRUNDY	TOTAL SHEETS 11	SHEET NO. 8
PLOT SCALE = NONE	PLOT DATE = 04/18	DRAWN - L.A.G.	REVISED -		SCALE: NONE	SHEET NO. 8 OF 11 SHEETS	STA. TO STA.	CONTRACT NO. 87463				
CHECKED - J.K.C.	DATE - 04/10	REVISOR -	REVISED -		FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT							