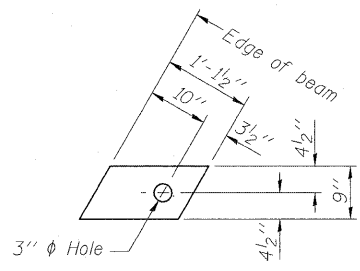


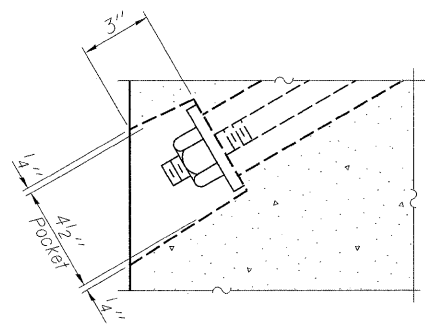
**FABRIC BEARING PAD**  
(Interior)



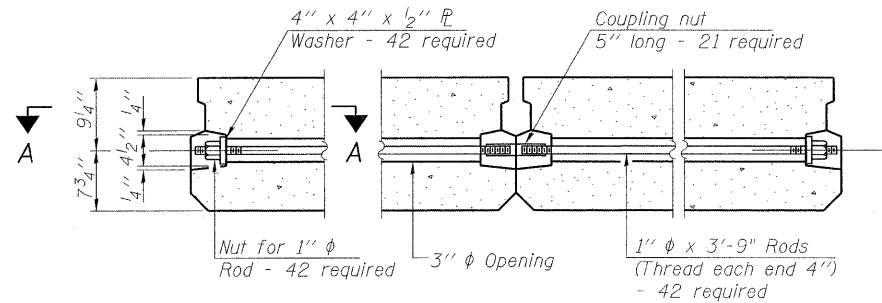
**FABRIC BEARING PAD**  
(Exterior)

**FIXED**

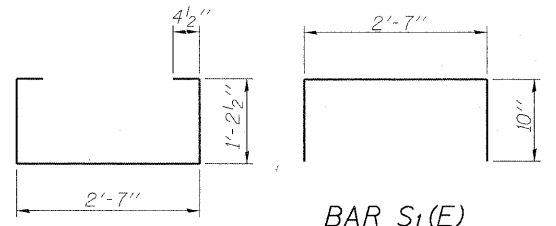
Notes:  
All bearing pads shall be 1" thick.  
Omit holes when using expansion bearings.  
Expansion bearing pad shall be bonded to the substructure.



**SECTION A-A**

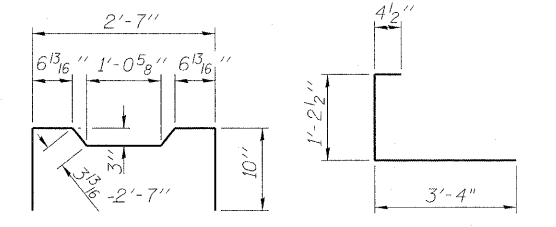


**TYPICAL TRANSVERSE TIE ASSEMBLY**



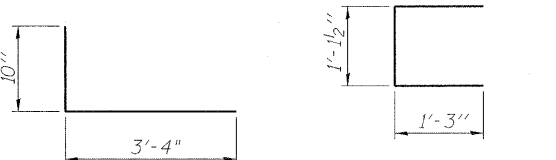
**BAR S(E)**

**BAR S<sub>1</sub>(E)**



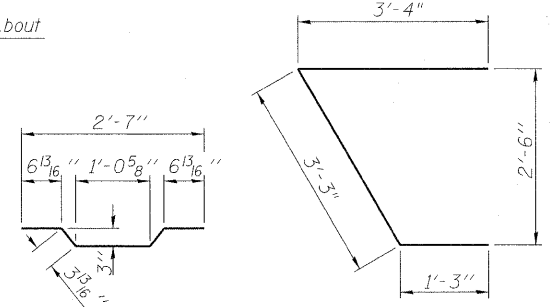
**BAR S<sub>2</sub>(E)**

**BAR S<sub>3</sub>(E)**



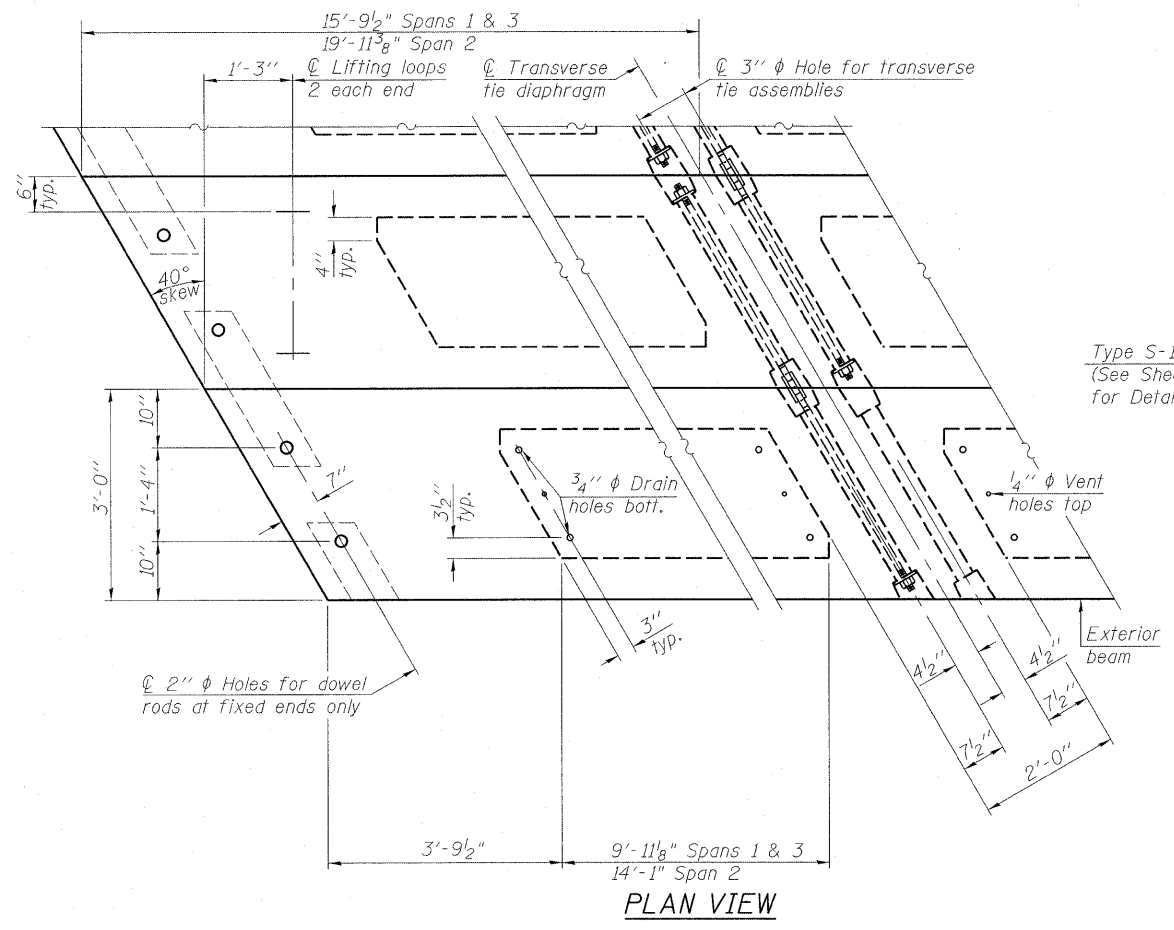
**BAR S<sub>4</sub>(E)**

**BAR U(E)**



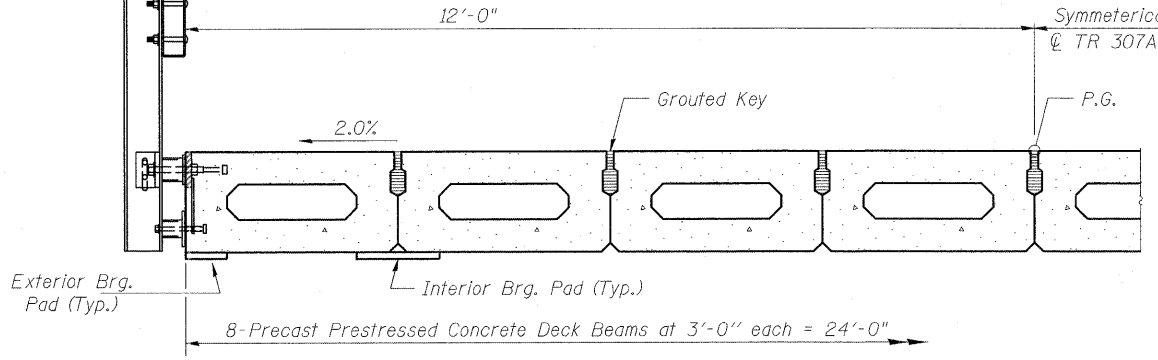
**BAR A<sub>1</sub>(E)**

**BAR U<sub>1</sub>(E)**



**PLAN VIEW**

Type S-1 Steel Rail  
(See Sheet 5 of 10  
for Details)



**PARTIAL CROSS SECTION**

**LIFTING LOOP DETAIL**

**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" phi 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.  
Two 1/2" fabric adjusting shims of the dimensions of the exterior bearing pad shall be provided for each bearing pad location.  
A minimum 2 1/2" phi 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.

**BILL OF MATERIAL**

Precast Prestressed Conc. Deck Bms. (17" depth)	Sq. Ft.	2473
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Note: Connect beams in pairs with the transverse tie configuration shown.



PD-1736-RD 7-1-10

FILE NAME = J:\09029\CADD\CADsheets\SN 011-3417\084118-09029-Sht-PPC Deck Beam.dgn	USER NAME = amandah	DESIGNED - NIEWINSKI	REVISED - AH 9/09/2011
PLOT SCALE = 01' / 1" = 1/8"	PLOT DATE = 12/15/2011	CHECKED - TRELLO	REVISED -
		DRAWN - VERENSKI	REVISED -
		CHECKED - TRELLO	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**17" x 36" PPC DECK BEAM DETAILS**  
**STRUCTURE NO. 011-3417**

SHEET NO. 4 OF 10 SHEETS

T.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307A	08-04118-00-BR	CHRISTIAN	26	12
			CONTRACT NO. 93567	
ILLINOIS FED. AID PROJECT: BR05-0021 (118)				