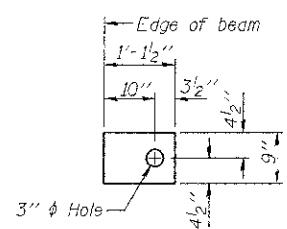


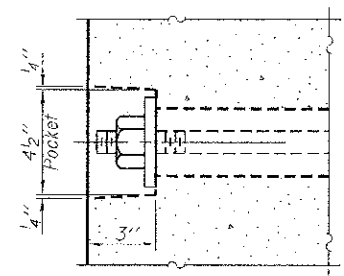
**FABRIC BEARING PAD**  
(Interior - 16 Req'd.)



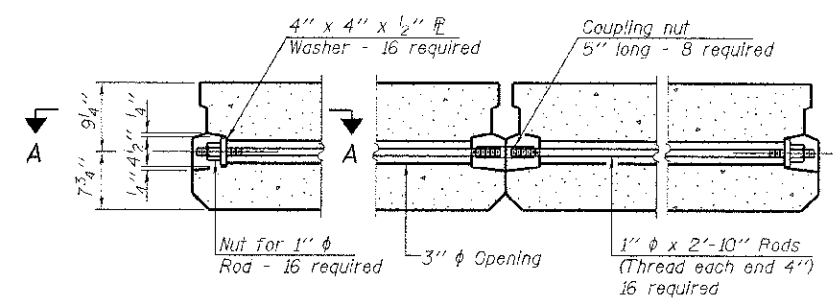
**FABRIC BEARING PAD**  
(Exterior - 4 Req'd.)

**FIXED**

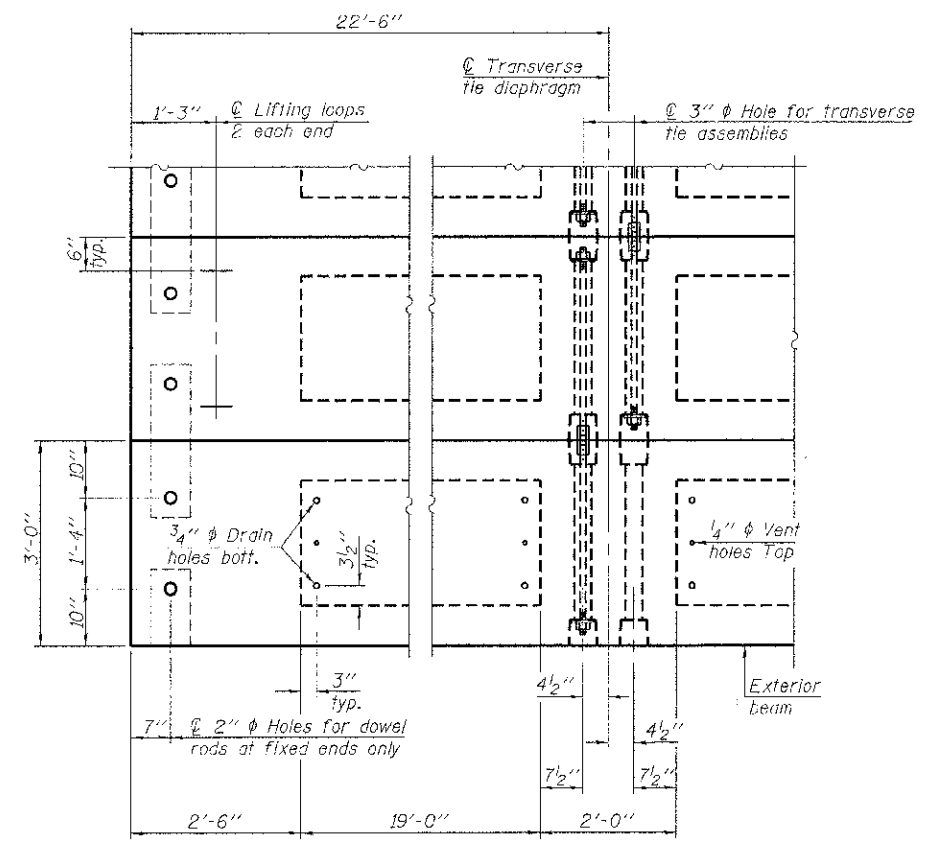
**Notes:**  
All bearing pads shall be 1" thick.  
Omit holes when using expansion bearings.  
Expansion bearing pad shall be bonded to the substructure.



**SECTION A-A**

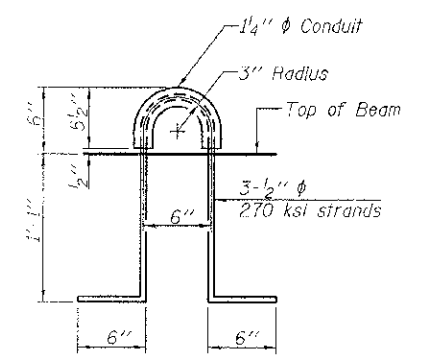
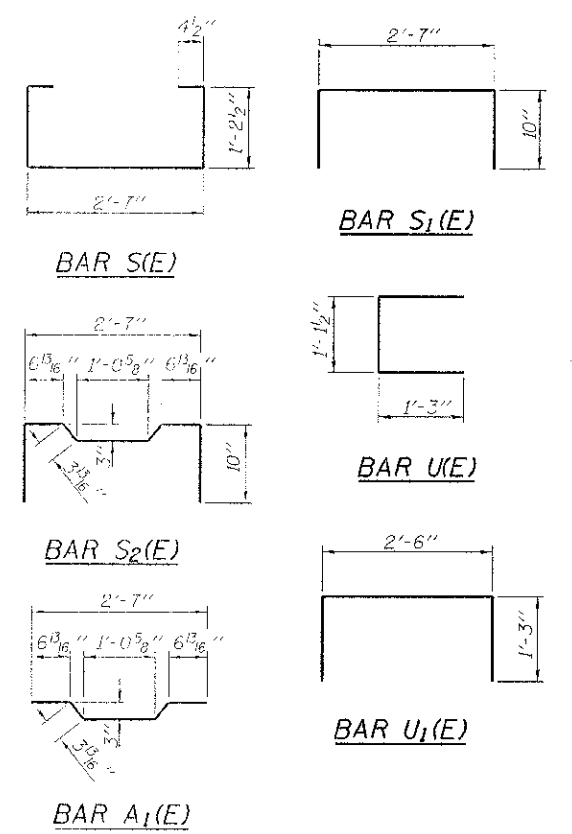


**TYPICAL TRANSVERSE TIE ASSEMBLY**



**PLAN VIEW**

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



**LIFTING LOOP DETAIL**

**BILL OF MATERIAL**

Material	Sq. Ft.	Quantity
Precast Prestressed Conc. Deck Bms. (17" depth)	1,215	14

**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 1021.07 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 reinforcement shall be epoxy coated.

PD-1736-OD 7-1-10

FILE NAME: 110295-shr-bridge.dgn	USER NAME:	DESIGNED: A.S.L.	REVISED:	<b>STATE OF ILLINOIS VERMILION COUNTY HIGHWAY DEPARTMENT</b>	<b>17" x 36" PPC DECK BEAM DETAILS STRUCTURE NO. 092-3523</b>	T.R.	SECTION	COUNTY	TOTAL SHEET NO.
HAMPTON, LENZIN AND RENWICK, INC.	CHECKED: S.W.M.	REVISED:	131			10-15145-00-BR	VERMILION	20	14
ILLINOIS PROFESSIONAL DESIGN FIRM	DRAWN: D.A.B.	REVISED:	CONTRACT NO. 91477						
151 P.E. / 22 CORP. 184-02084	CHECKED: S.W.M.	REVISED:	ILLINOIS FED. AID PROJECT						