

FABRIC BEARING PAD

(Interior)

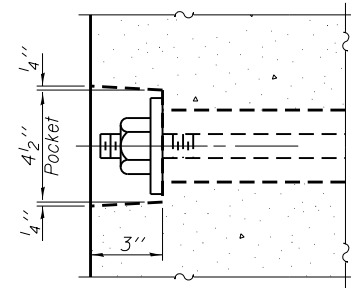
FABRIC BEARING PAD

(Exterior)

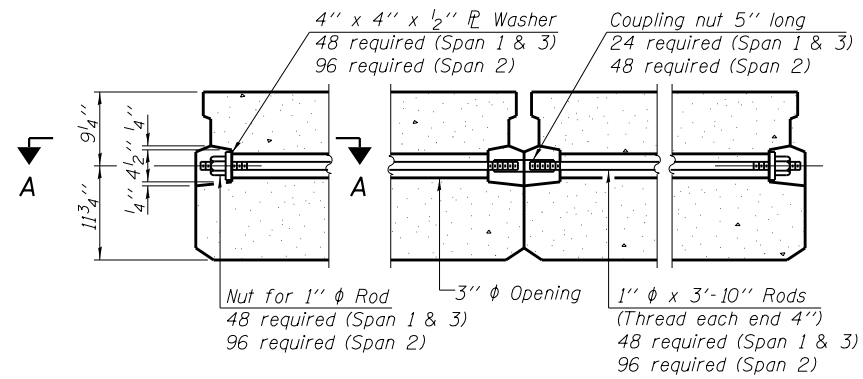
FIXED

Notes:

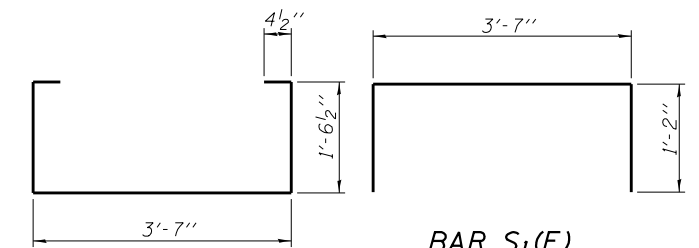
All bearing pads shall be 1" thick.
Omit holes when using expansion bearings.
Expansion bearing pad shall be bonded to the substructure.



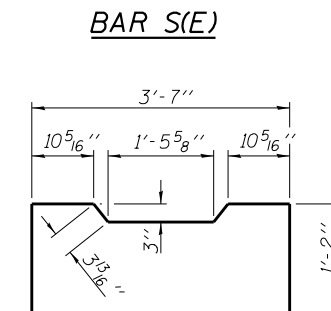
SECTION A-A



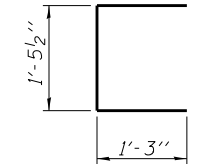
TYPICAL TRANSVERSE TIE ASSEMBLY



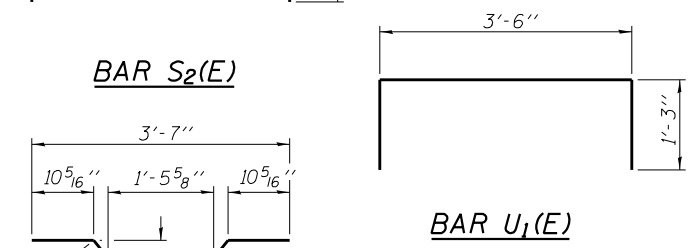
BAR S₁(E)



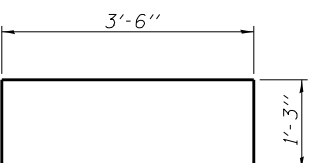
BAR S(E)



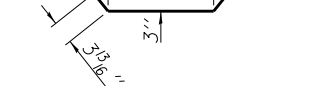
BAR U(E)



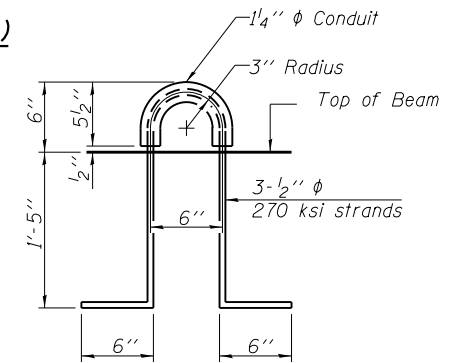
BAR S₂(E)



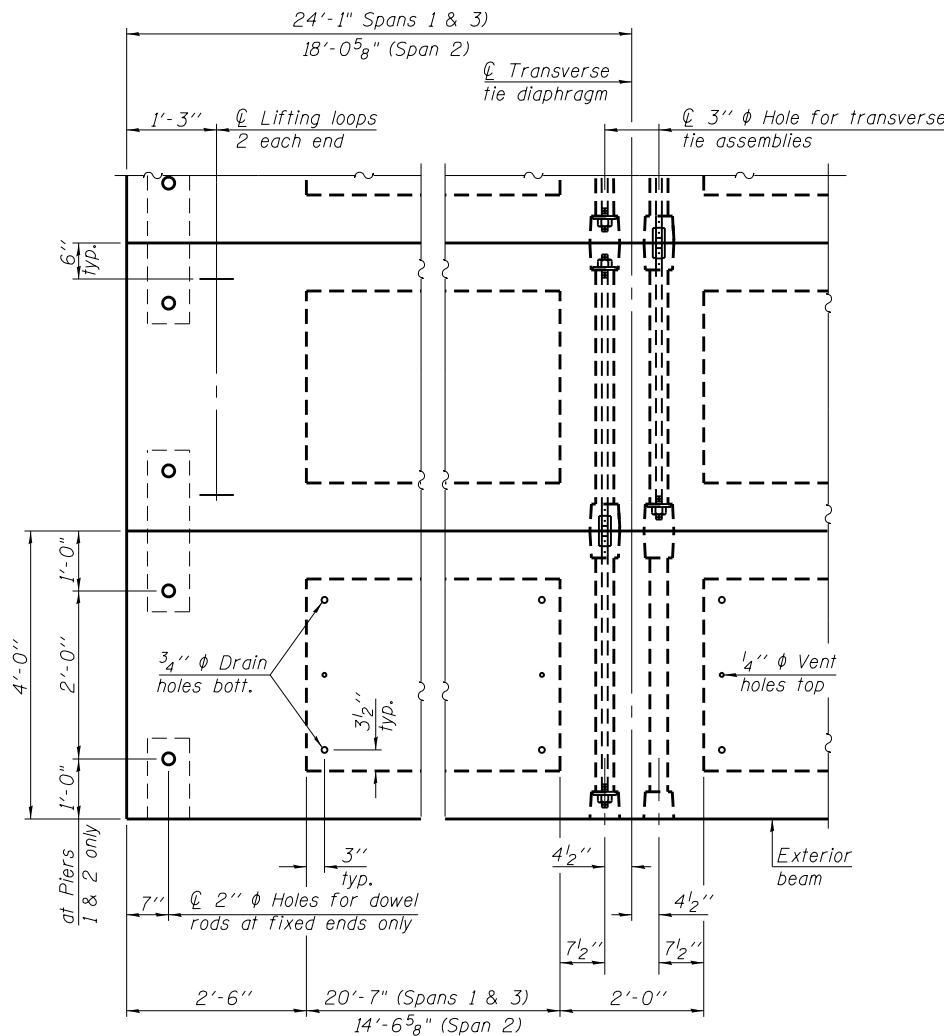
BAR U₁(E)



BAR A₁(E)



LIFTING LOOP DETAIL



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" 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 1/8" fabric adjusting shims of the dimensions of the exterior bearing pad shall be provided for each bearing pad location.
- A minimum 2 1/2" 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 7000 psi.
- Compressive strength of prestressed concrete at release, f'ci, shall be 6000 psi.

BILL OF MATERIAL

Precast Prestressed Conc. Deck Bms. (21" depth)	Sq. Ft.	15,050
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USER NAME =	DESIGNED - LJ	REVISED
	CHECKED - EKM	REVISED
PLOT SCALE =	DRAWN - DR	REVISED
PLOT DATE =	CHECKED - LJ	REVISED

F.A.P. RTE. 307	SECTION 131B-BR	COUNTY DuPAGE	TOTAL SHEETS 111	SHEET NO. 84
CONTRACT NO. 60V24			ILLINOIS FED. AID PROJECT	