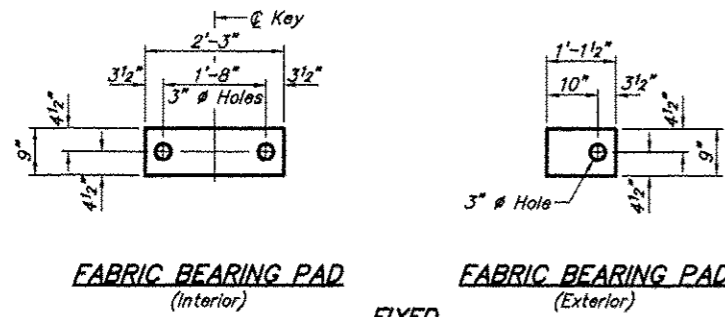
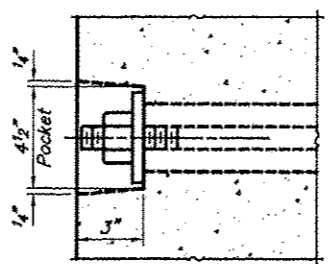


ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
TR 51	11-01200-00-BR	UNION	12	7
PROJECT NO. BROS-181(57)		CONTRACT NO. 99481		

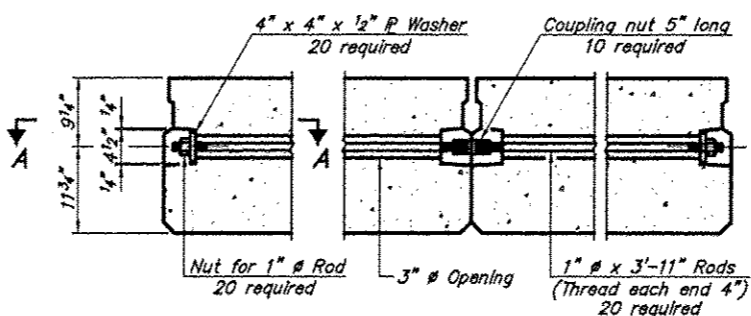


FABRIC BEARING PAD
(Interior) **FABRIC BEARING PAD**
(Exterior)

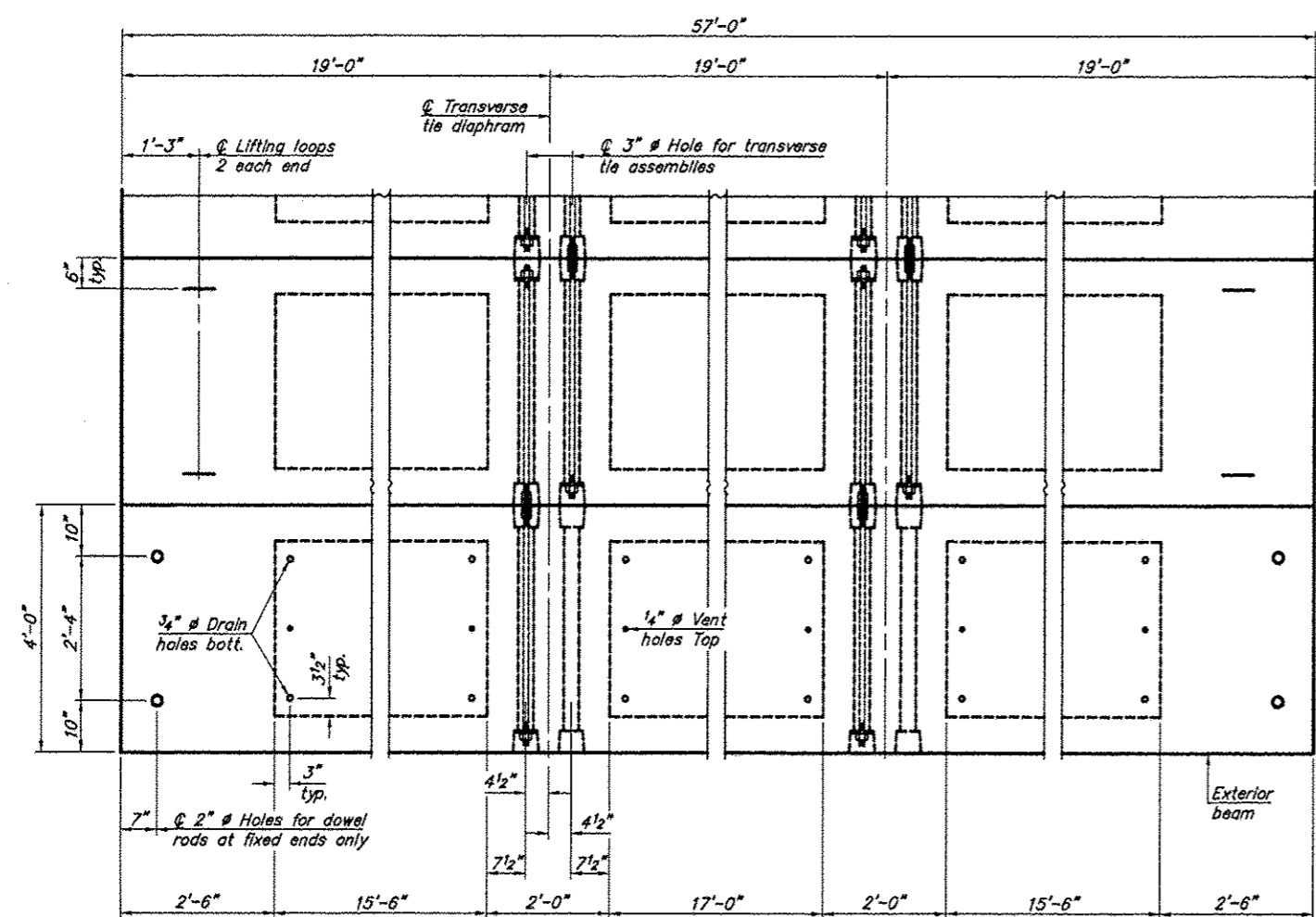
FIXED
Note: Omit holes when using expansion bearings.



SECTION A-A

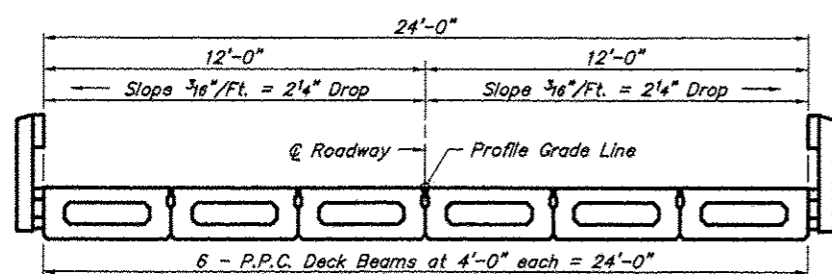


TYPICAL TRANSVERSE TIE ASSEMBLY

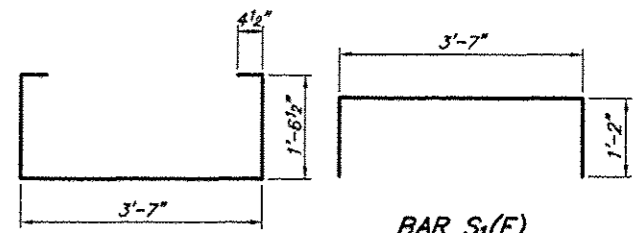


PLAN VIEW

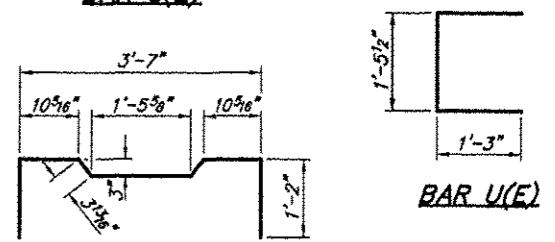
Note: Connect beams in pairs with the transverse tie configuration shown.



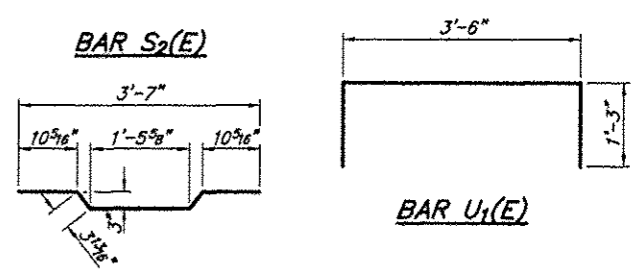
CROSS SECTION



BAR S(E)



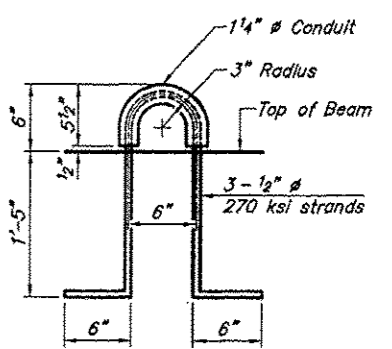
BAR U(E)



BAR S2(E)

BAR U1(E)

BAR A1(E)



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" # 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" # 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 Concrete Deck Beams (21" depth)	Sq. Ft.	1,368
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21" X 48" PPC DECK BEAM DETAILS
TOWNSHIP ROUTE 51 (RHINE ROAD)
SEMINARY FORK
SECTION 11-01200-00-BR
UNION COUNTY
STRUCTURE NO. 091-3240