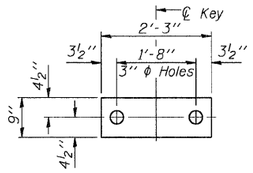
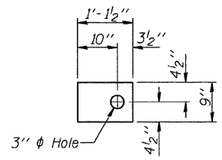
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CH 3	06-00052 -00-BR	JERSEY	18	8

SHEET 3 OF 6 CONTRACT NO. 97359

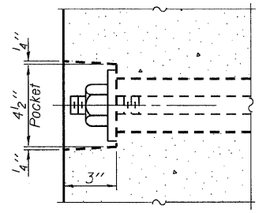


FABRIC BEARING PAD
12 Required (Interior)

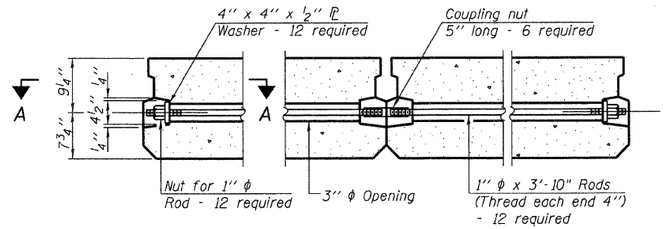


FABRIC BEARING PAD
4 Required (Exterior)

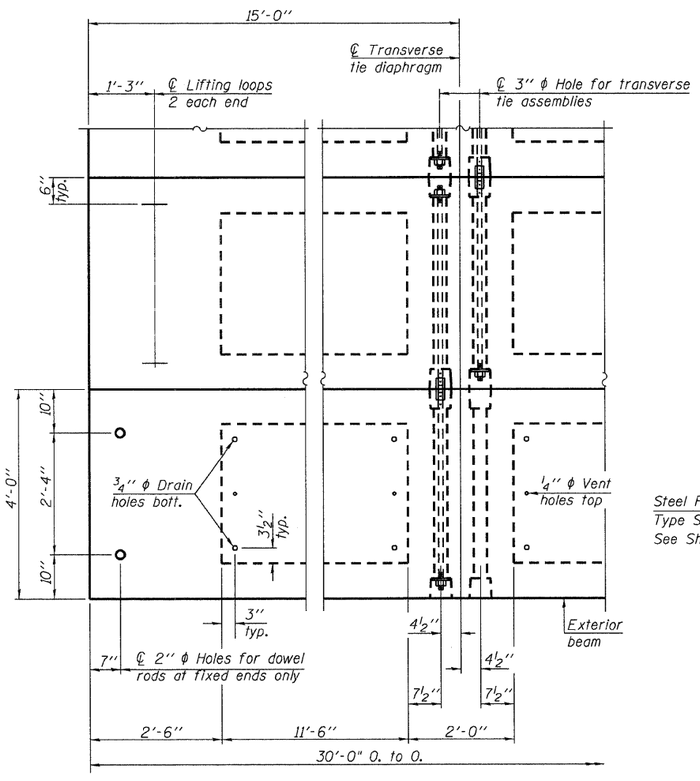
FIXED



SECTION A-A

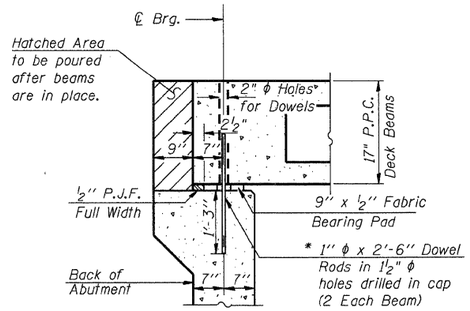


TYPICAL TRANSVERSE TIE ASSEMBLY



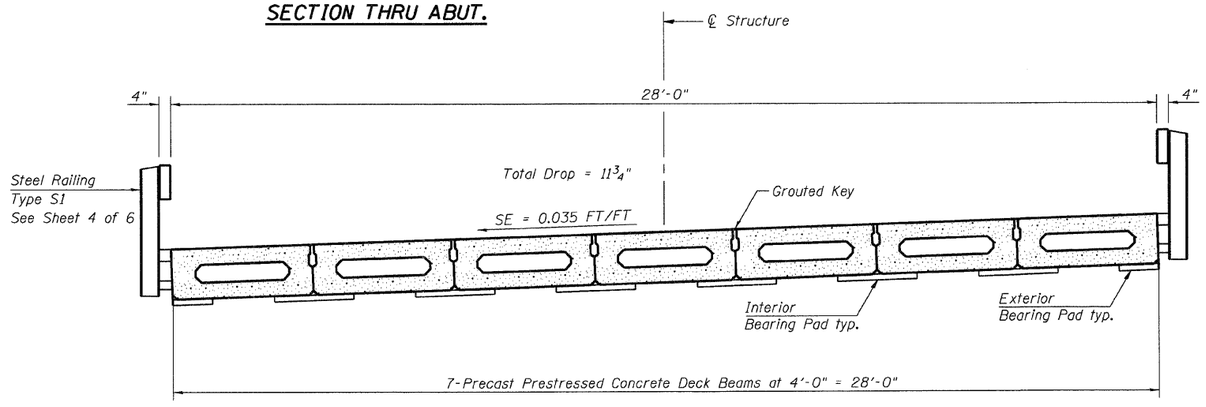
PLAN VIEW

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

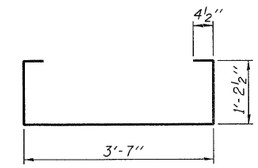


SECTION THRU ABUT.

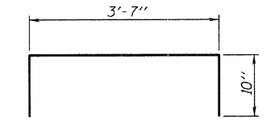
* After beams have been erected, holes shall be drilled into substructure and anchor dowels placed. Dowel holes shall be filled with non-shrink grout to top of beam and allowed to cure min. 24 hrs. prior to grouting the shear keys.



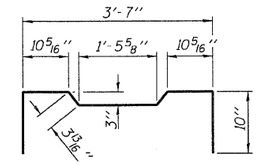
CROSS SECTION
(Looking North)



BAR S(E)



BAR S_1(E)



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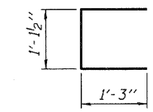
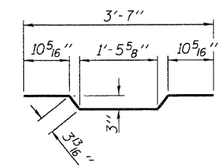


BAR U(E)



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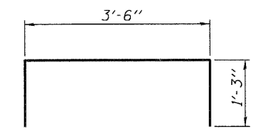
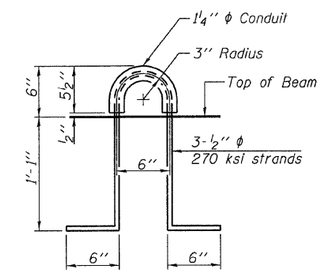


BAR U_1(E)



LIFTING LOOP DETAIL

BILL OF MATERIAL

Precast Prestressed Conc. Deck Bms. (17" depth)	Sq. Ft.	840

Estimated weight per beam = 20,620 pounds

NOTES

Prestressing steel shall be uncoated high strength, low relaxation 7-wire strand, Grade 270. The nominal diameter shall be ½" and the nominal cross-sectional area shall be 0.153 sq. in.

The 1" ϕ 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 ⅛" fabric adjusting shims of the dimensions of the exterior bearing pad shall be provided for each bearing pad location.

A minimum 2½" ϕ 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.

DESIGNED	A.A.N.
CHECKED	T.S.H.
DRAWN	A.J.H
CHECKED	M.D.C.

PD-1748-OD 5-16-08

SUPERSTRUCTURE

CH 3 (KEMPER ROAD)
OVER TRIBUTARY TO MACOUPIN CREEK
SECTION 06-00052-00-BR
JERSEY COUNTY
STA. 10+00
S.N. 042-3147

CUMMINS ENGINEERING CORPORATION

JOB#: 2202
FILE: 2202beam
DATE: 10/16/2008