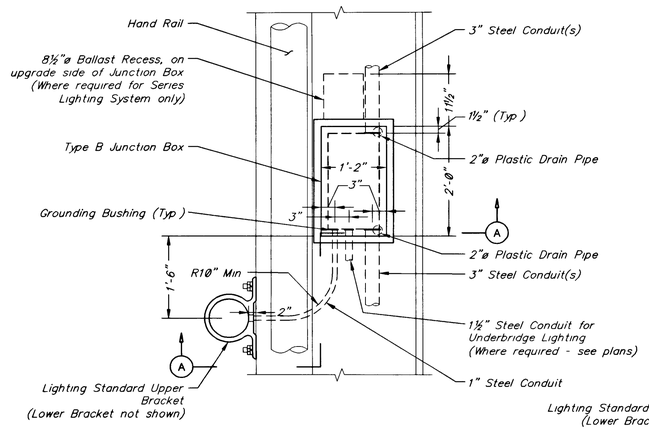
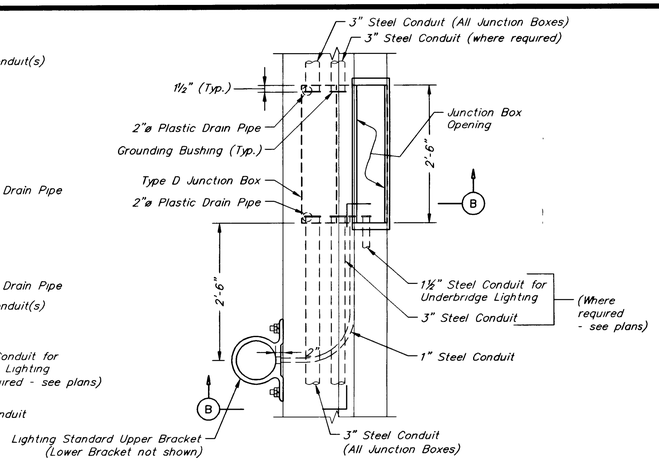


PLAN



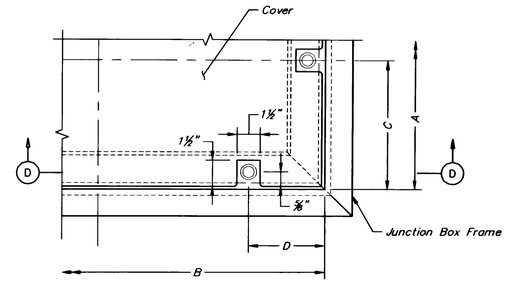
PLAN

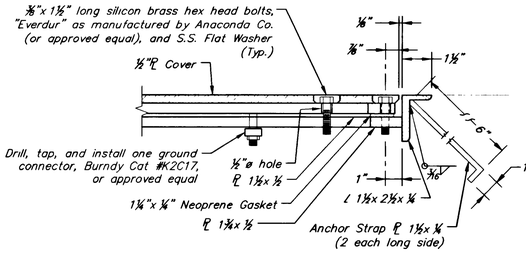
FRAME AND COVER TYPE	DIMENSIONS			
	A	B	C	D
TYPE B (*)	1'-2"	2'-0"	7"	5"
TYPE D (*)	10¾"	2'-6"	-	-

(*) See Note 4 below.

Frame and Cover Notes:

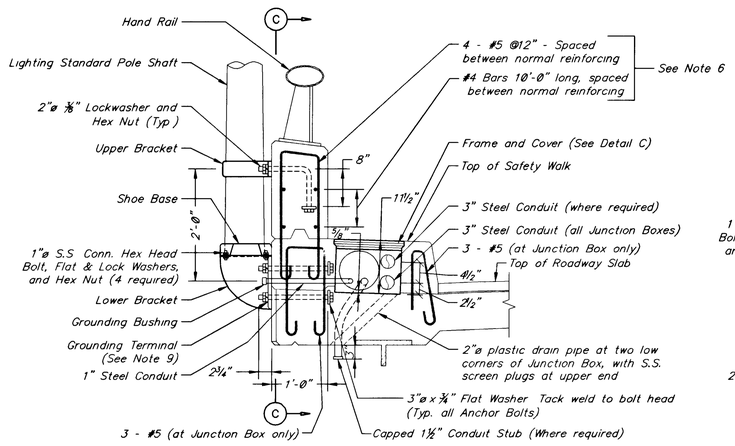
1. Type-B Only: Bolt locations are symmetrical about center lines. (6 Bolts required)
2. Neoprene gasket shall be continuous and single piece.
3. All welds shall be 3/16" continuous fillet welds.
4. Plans and details for the frame and cover arrangement for the Type B and D junction boxes are shown on this drawing. The frame and cover for Type B and D junction boxes may be substituted with a polymer concrete box having H16 load capacity (frame and cover). The manufacturer shall certify that the frame and cover of the unit proposed for substitution complies with all dimensional characteristics of Type B and D boxes shown on this drawing. The polymer concrete box shall replicate all physical features, including but not limited to volume, shape, and load capacity, and shall not require special installation methods. The shape of the box shall accommodate the safety shape of the concrete barrier, including the reinforcing steel, and the cover shall be set flush with the sloped face of the barrier parapet. A sample unit shall be furnished to The Engineer for inspection and review, in conjunction with detailed shop drawing for submission. The Engineer will also seek the opinion of the General Consultant prior to approving any substitution, manufacture, or use.





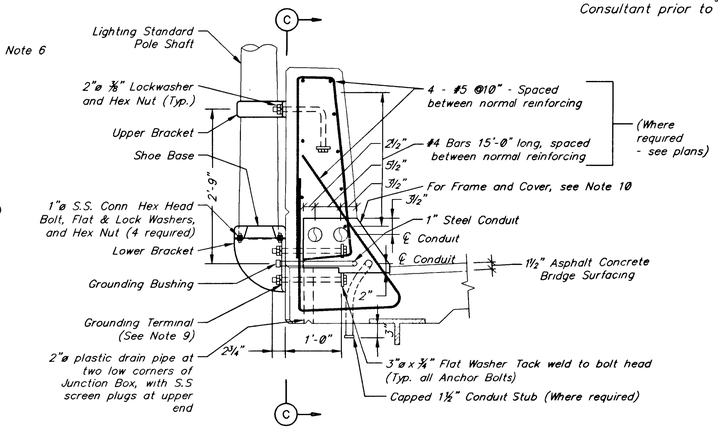
SECTION D-D

DETAIL C
TYPE-B JUNCTION BOX FRAME AND COVER
N.T.S.



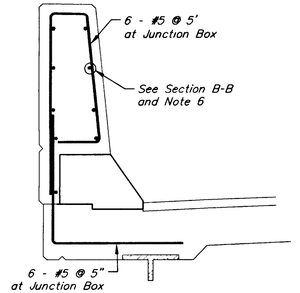
SECTION A-A

DETAIL A



SECTION B-B

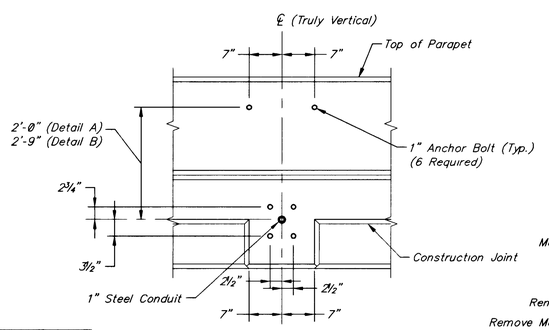
DETAIL B



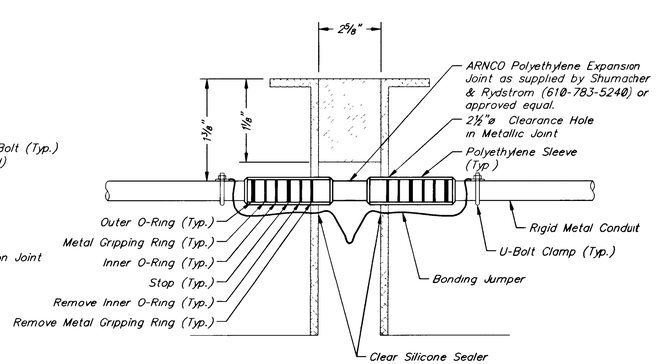
DETAIL E

REINFORCING AT JUNCTION BOX
¾"= 1'-0"

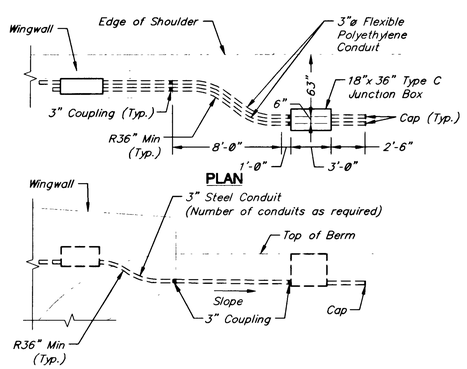
LIGHTING STANDARD AND JUNCTION BOX INSTALLATION DETAILS
¾"= 1'-0"



SECTION C-C
¾"= 1'-0"



TYPICAL CONDUIT INSTALLATION AT EXPANSION JOINTS
N.T.S.



ELEVATION

TYPICAL CONDUIT INSTALLATION AT WINGWALLS
N.T.S.

Notes:

1. For location of lighting standards, junction boxes, and conduits, see Bridge General Plan and Elevation Sheets.
2. Junction Box frame and cover shall be hot-dip galvanized after fabrication (not required for polymer concrete frame and cover).
3. Anchor bolts and conduit on fascia of structure shall be set with template.
4. All conection bolts, washers, and nuts shall be stainless steel.
5. All anchor bolts and steel conduits shall be hot-dip galvanized.
6. Reinforcing shown is additional at lighting standards and junction boxes only. Space bars symmetrical about ℄ of lighting standard.
7. Stainless steel shims shall be used to plumb lighting standard, where required.
8. For lighting standard mounting bracket details, see Standard Drawing E-1.
9. For grounding terminal detail, see Standard Drawing E-7.
10. See Detail-D on Standard Drawing E-5B.

	BY	DATE
MADE	CMT	03/1987
TRACED	MDC	11/2004
CHECKED	ALB	11/2004
SUPERVISED	JMO	11/2004

0 ½ 1 2 3 4
ORIGINAL SIZE IN INCHES

APP	NO	DATE	REVISION
		11/04	REISSUED

NEW JERSEY TURNPIKE AUTHORITY
NEW JERSEY TURNPIKE

BRIDGE ELECTRICAL DETAILS - I

HNTB CORPORATION
145 RT 46 WEST, SUITE 400 WAYNE, NJ 07470
JOHN M. ORMAN
N.J.P.E. Licencse No. GE 39691

STANDARD DRAWING E-5A

CONTRACT NO.

SHEET NO. OF