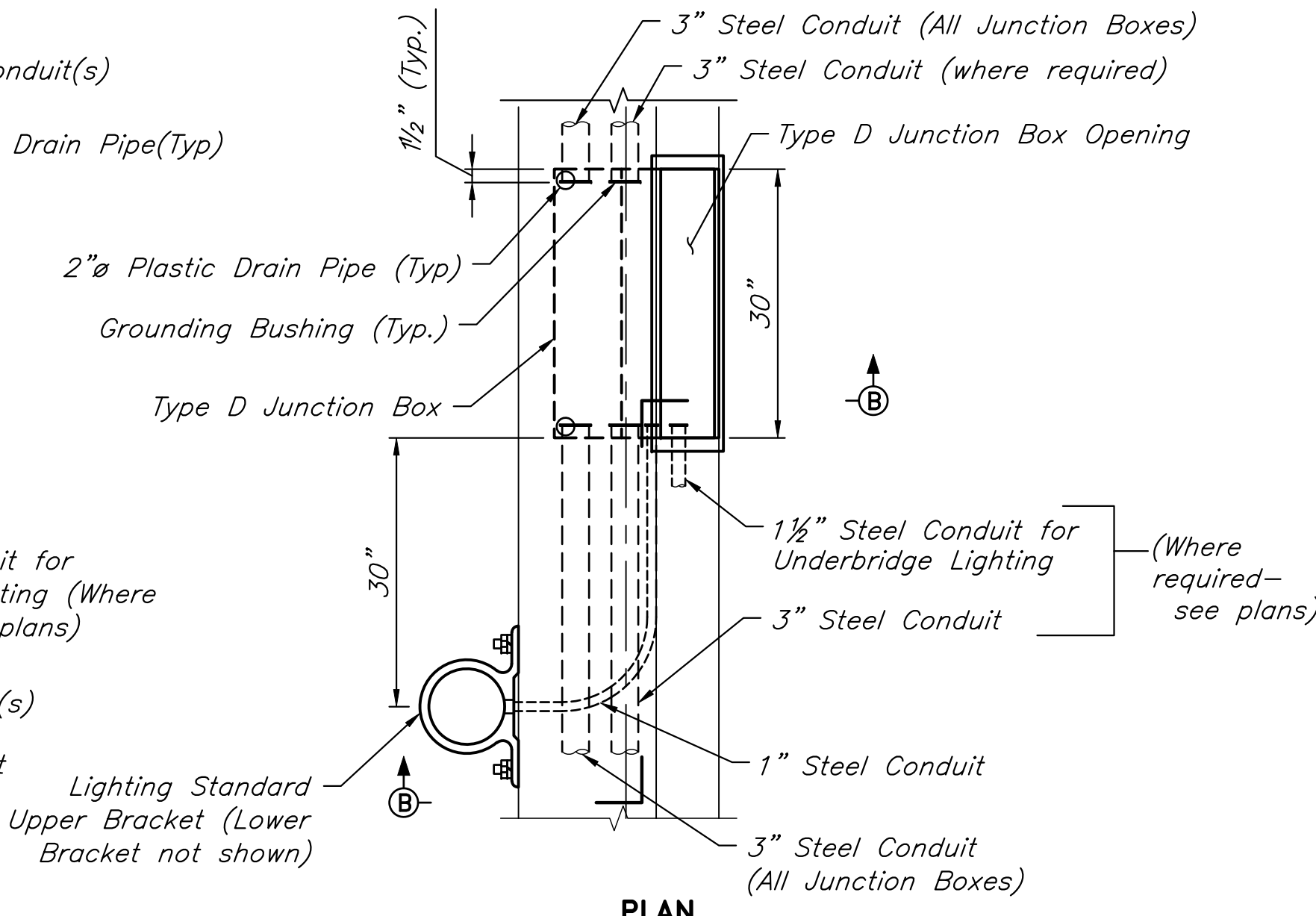
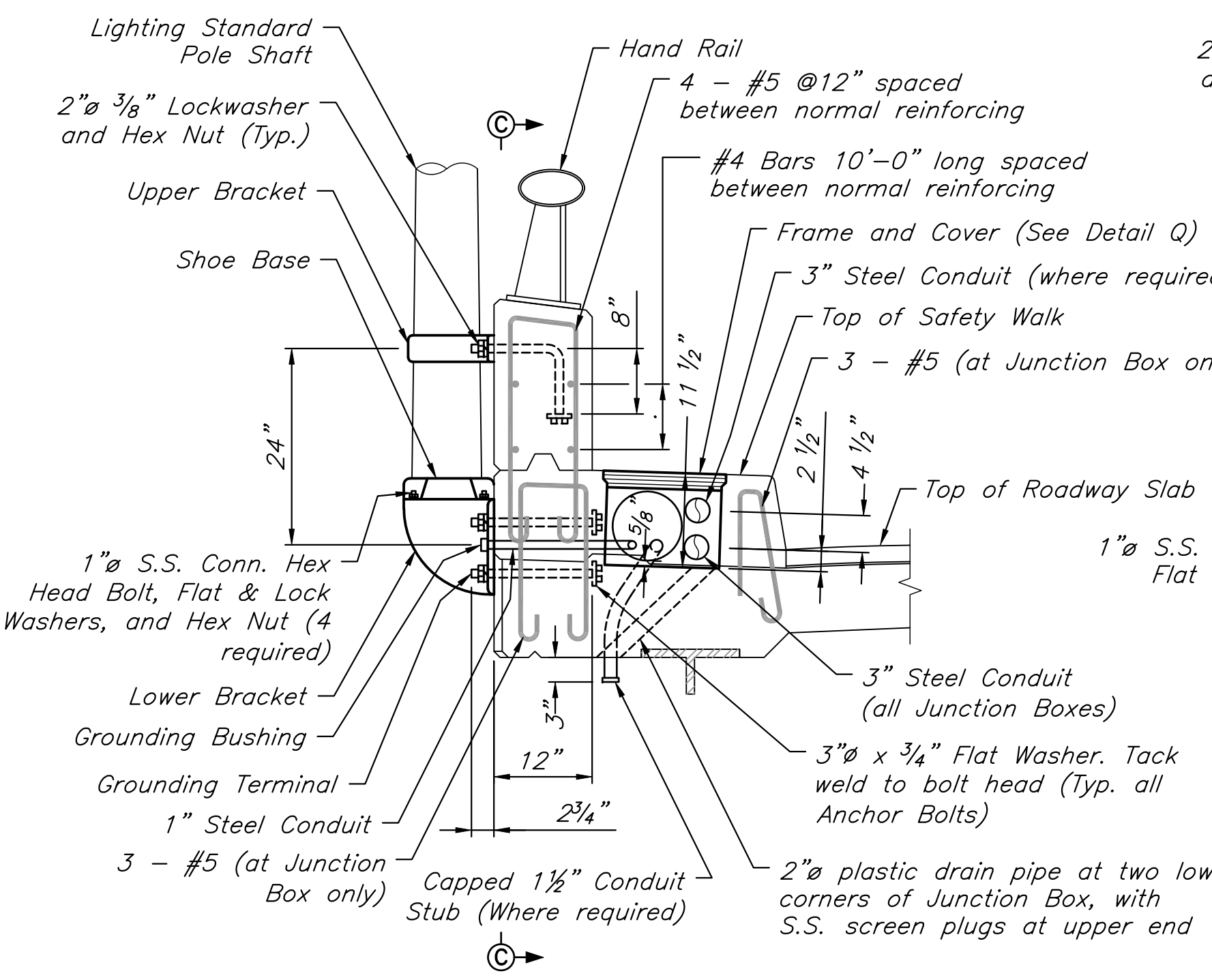


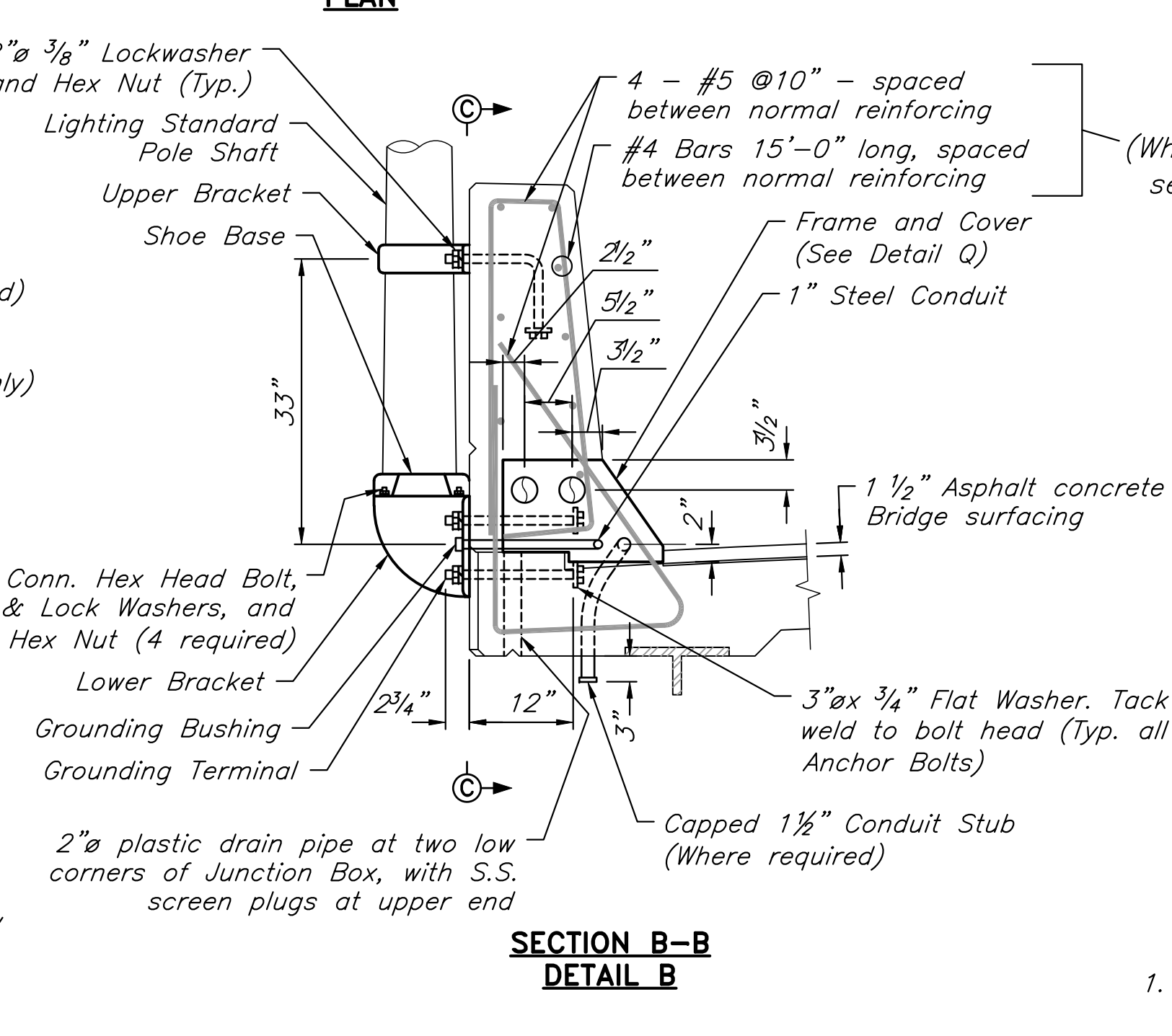
PLAN



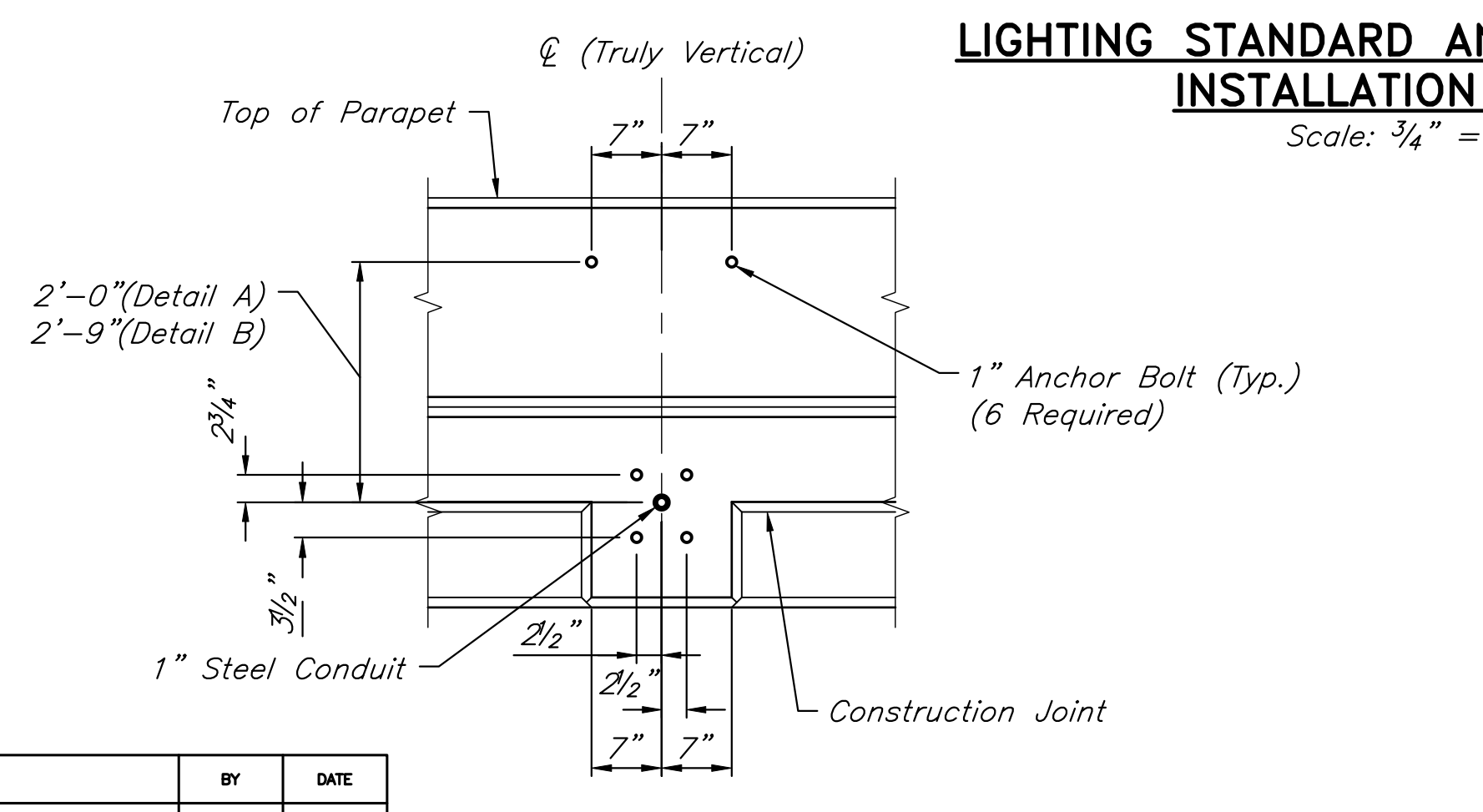
PLAN



SECTION A-A
DETAIL A



SECTION B-B
DETAIL B



SECTION C-C
Scale: 3/4" = 1'-0"

**LIGHTING STANDARD AND JUNCTION BOX
INSTALLATION DETAILS**
Scale: 3/4" = 1'-0"

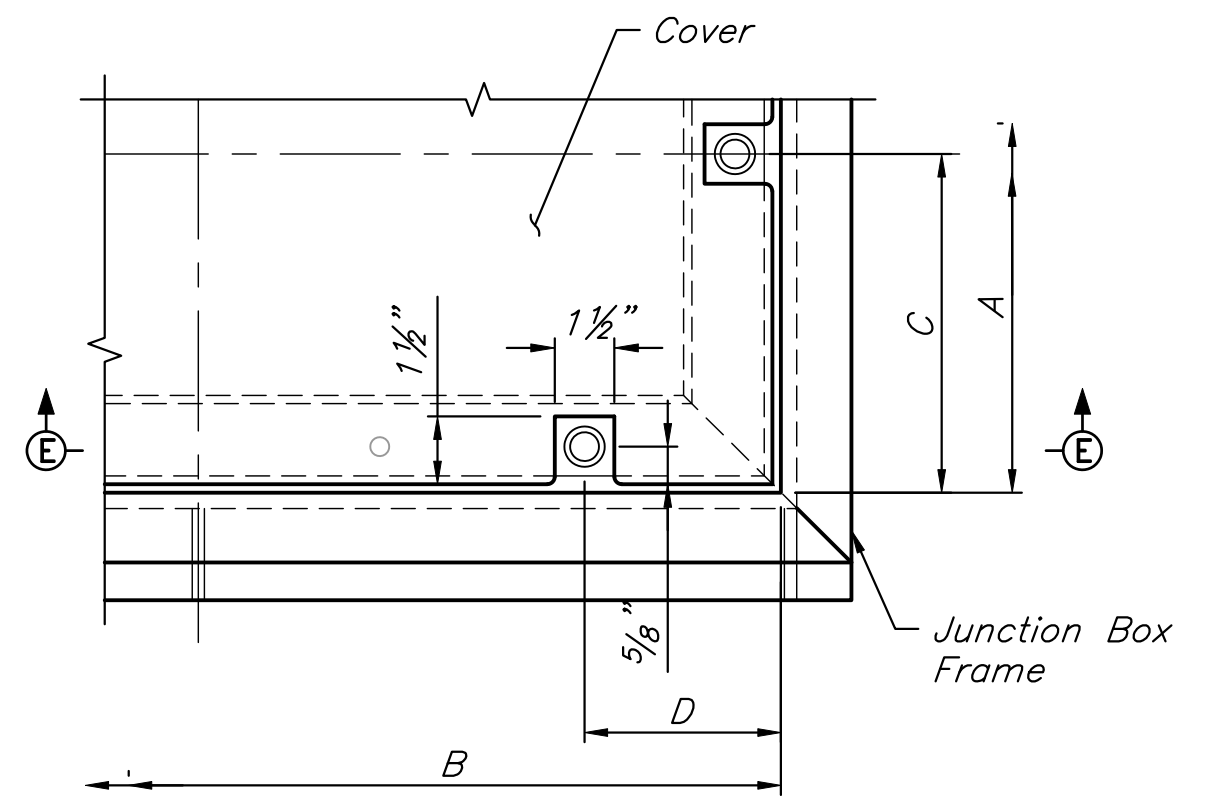
If you use this Standard Drawing:	
You also need	ER-07
You may need	ER-01

FRAME AND COVER TYPE	DIMENSIONS			
	A	B	C	D
TYPE B (*)	1'-2"	2'-0"	7"	5"
TYPE D (*)	10 3/4"	2'-6"	-	-

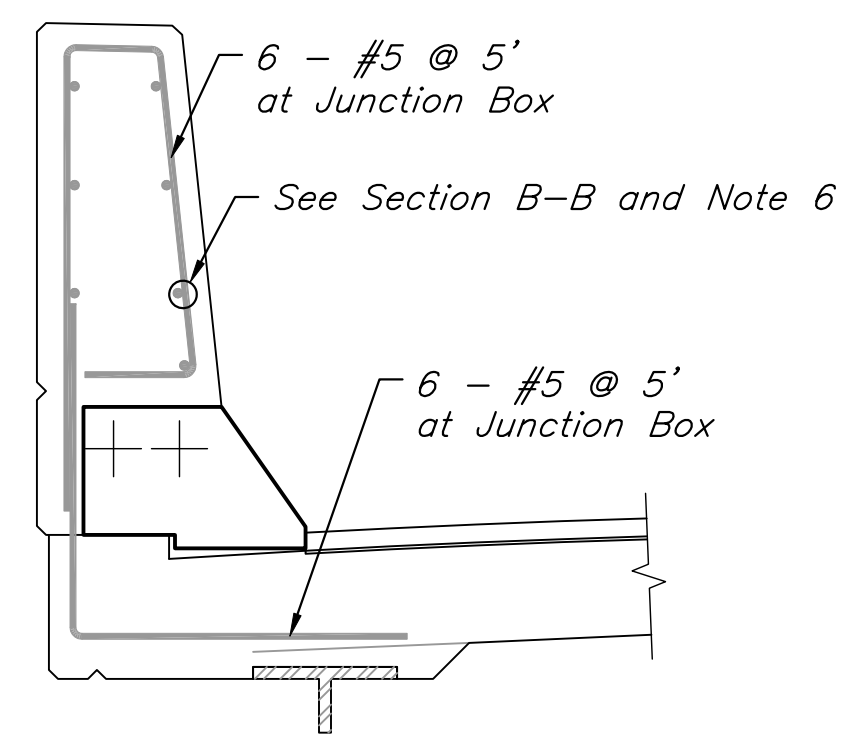
(*) See Note 4 below

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 drawings. 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 shall also seek the opinion of the General Consultant prior to approving any substitution, manufacturer, or use.



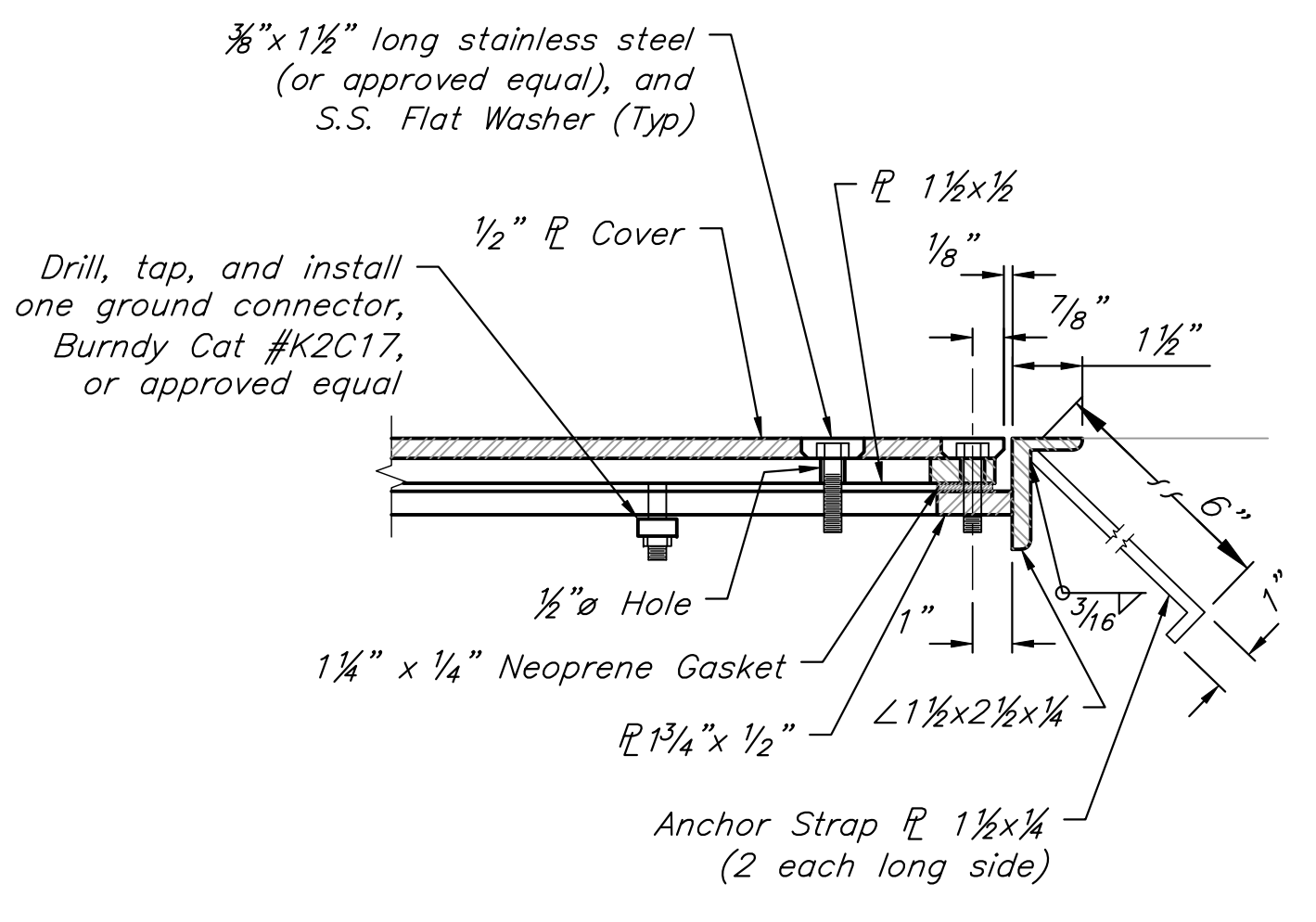
PLAN



**REINFORCING AT
JUNCTION BOX**
Scale: 3/4" = 1'-0"

GENERAL INSTALLATION 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 connection bolts, washers, and nuts shall be stainless steel Type 304.
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 center line of lighting standard. Where installing light standards on existing bridge parapets, existing reinforcing shall be determined from As-Built drawings, and calculations performed to ensure bridge structure can adequately support light standards.
7. Stainless steel shims shall be used to plumb lighting standard, where required.
8. For lighting standard mounting bracket details, see Standard Drawing ER-07.
9. For grounding terminal detail, see Standard Drawing E-11.
10. See Standard Drawing E-14.

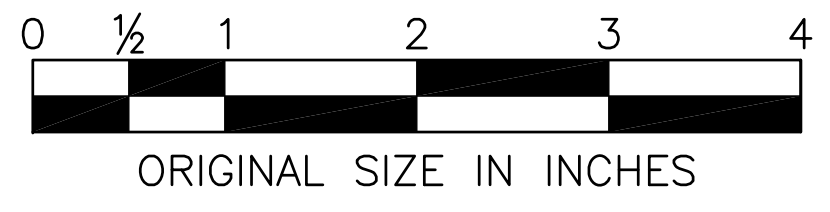


SECTION E-E

**DETAIL Q
TYPE B AND D FRAME AND COVER**
N.T.S.

DATE: 05/2009
 DRAWN: MDC
 CHECKED: EMG
 SUPERVISED: ALB
 ACAD FILE NAME: NJTA-SD ER-06-ER-7.dwg Layout: ER-6

	BY	DATE
MADE	EMG	05/2009
TRACED	MDC	05/2009
CHECKED	EMG	05/2009
SUPERVISED	ALB	05/2009



APP. NO.	DATE	REVISION
0	05/2009	ORIGINAL DRAWING

ELECTRICAL RETROFIT
 NEW JERSEY TURNPIKE AUTHORITY
NEW JERSEY TURNPIKE
 BRIDGE MOUNTED LIGHTING STANDARD
 DETAILS

HNTB 145 RT. 46 WEST, SUITE 400,
 WAYNE, NJ 07470 - COA# 24GA28000700
ANTHONY L. BARTELLO
 N.J.P.E. License No. GE 45842

**STANDARD
DRAWING
ER-06**