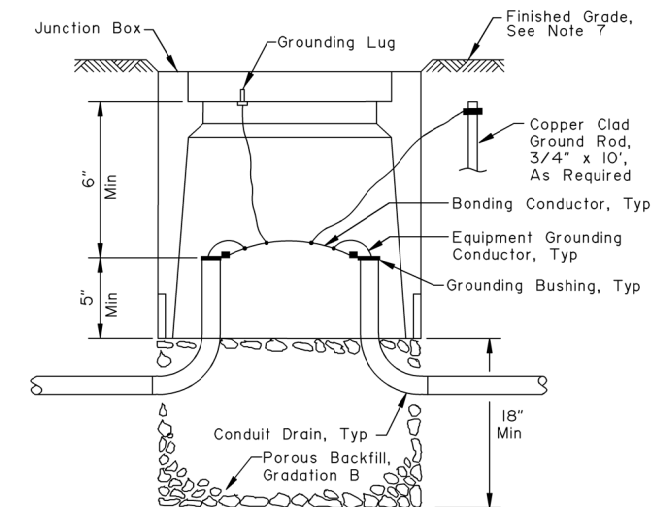
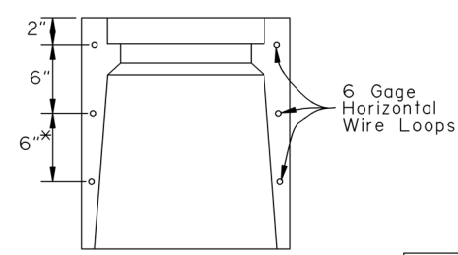


ISOMETRIC



ELEVATION

TYPE I & IA JUNCTION BOX

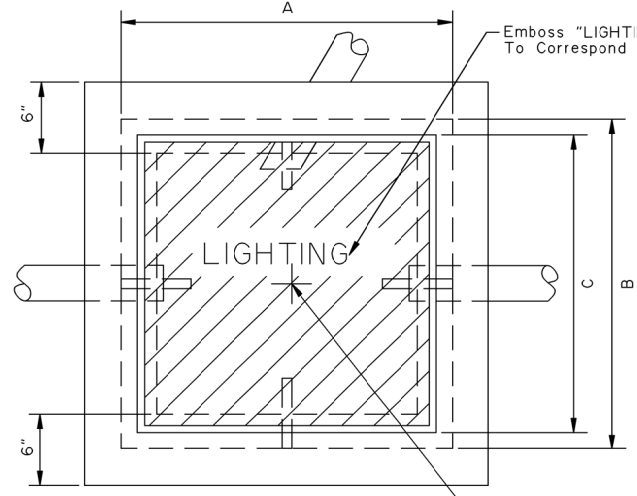


ALTERNATE REINFORCING  
\*Type IA Only

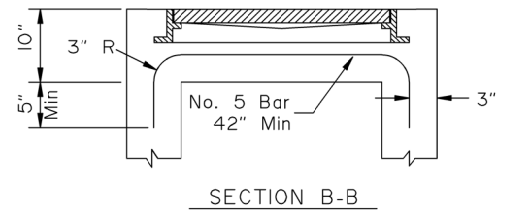
	DIMENSIONS (IN)	
	TYPE I	TYPE IA
A	15	22 3/4
B	10	13 1/4
C	1 3/4	2
D	13 1/2	21 1/4
E	8 1/2	11 3/4
F	12	18
G	1 3/4	2
H	19 1/2	27 1/4
J	14 1/2	17 3/4
K	8 3/4	14 1/2

	DIMENSIONS (IN)		
	TYPE II	TYPE III	TYPE IV
A (Max)	30	30	30
B (Max)	30	30	36
C (Min)	22	22	30
D (Min)	22	22	24
E (Min)	24	24	30

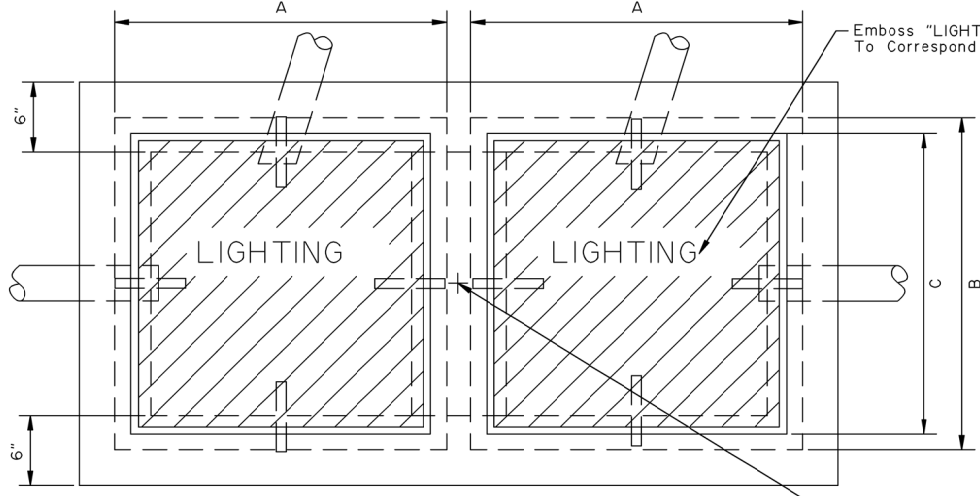
- GENERAL NOTES:**
- See the Standard Specifications for Highway Construction (SSH) for additional requirements.
  - See Section 660-2.01 of the SSHC for concrete and reinforcing steel requirements.
  - Provide knockouts indicated in Type IA junction box when installed for loop detection. Conduit for loop detectors to enter junction box through knockouts.
  - Covers for junction boxes shall be cast iron. Type I and IA shall be secured to junction box with a minimum of two bolts and be rated ANSI/SCTE 77, Tier 8, minimum. Type II, Type III and Type IV cover shall weigh over 100 pounds and be ANSI/SCTE 77, AASHTO H-20 traffic rated.
  - The minimum required bearing capacity for Type I shall be 6,800psf, for Type IA shall be 5,100psf, for Type II shall be 3,500psf, for Type III shall be 2,300psf, and for Type IV shall be 2,000psf.
  - See section 703-2.10 of the SSHC for Porous Backfill material requirements.
  - See section 660-3.04 of the SSHC for top of junction box placement to finished grade requirements.
  - Provide conduits as required, size and quantity indicated in plans.
  - Provide grout around conduits in knockouts and for unused knockouts.
  - Provide a 1/2" thick preformed bituminous joint material around junction boxes installed in concrete walkways.
  - Met'al conduits and junction box covers shall be bonded together to be electrically continuous using No. 8 AWG minimum copper bonding conductor. Cover shall be bonded using a finned copper braided bonding jumper.



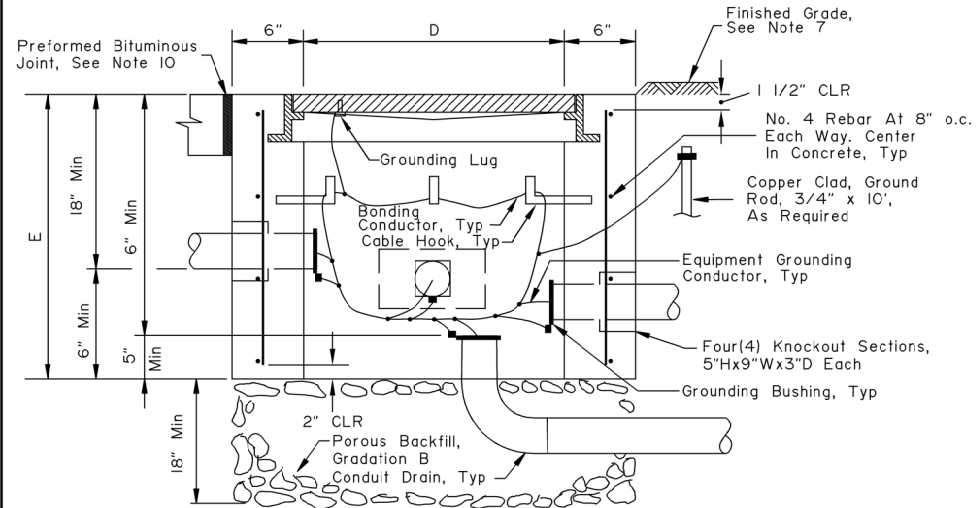
PLAN



SECTION B-B

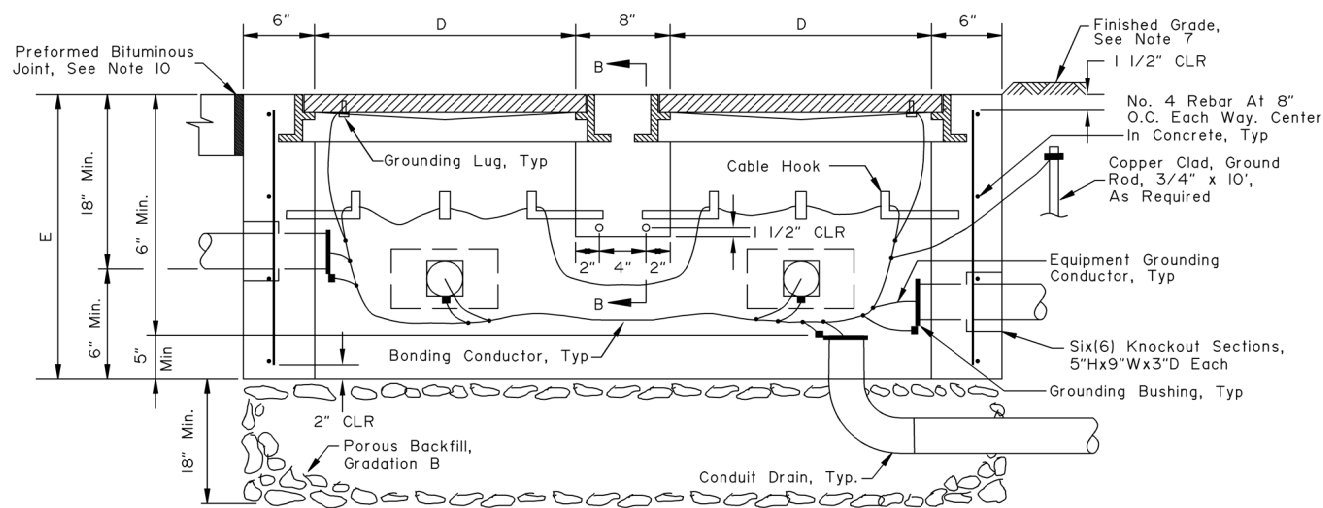


PLAN



ELEVATION

TYPE II JUNCTION BOX



ELEVATION

TYPE III & IV JUNCTION BOX

NOT TO SCALE

State of Alaska DOT&PF  
ALASKA STANDARD PLAN

JUNCTION BOXES  
FOR ELECTROLIER  
& TRAFFIC SIGNALS

Adopted as an Alaska  
Standard Plan by *Carolyn H. Morehouse*  
Carolyn Morehouse, P.E.  
Chief Engineer

Adoption Date: 09/15/2022

Last Code and Stds. Review  
By: CNH Date: 7/15/2020

Next Code and Standards Review date: 7/15/2030

L-23.03