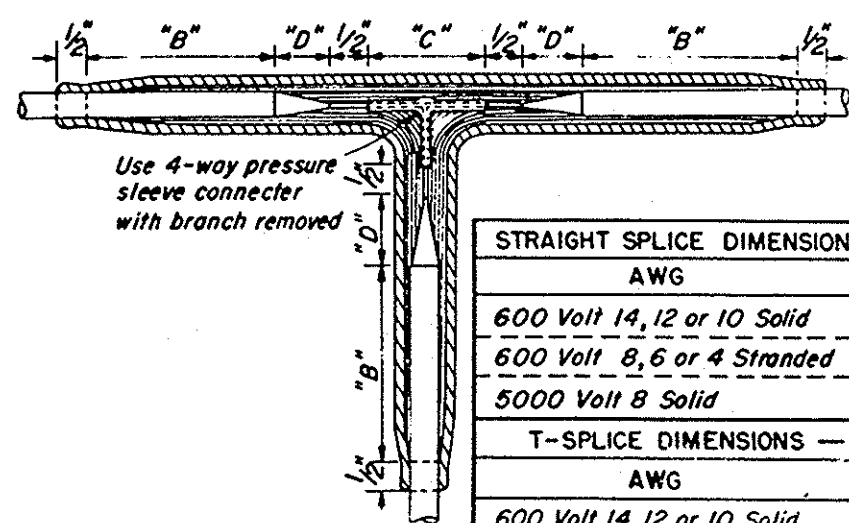


STRAIGHT SPLICE (600 V or 5000 V)



600 VOLT "T" SPLICE

STRAIGHT SPLICE DIMENSIONS — Inches		
AWG	"B"	"D"
600 Volt 14, 12 or 10 Solid	2"	$\frac{1}{2}$ "
600 Volt 8, 6 or 4 Stranded	$2\frac{1}{2}$ "	$\frac{1}{2}$ "
5000 Volt 8 Solid	$3\frac{1}{4}$ "	1"

T-SPLICE DIMENSIONS — Inches		
AWG	"B"	"D"
600 Volt 14, 12 or 10 Solid	2"	$\frac{1}{2}$ "

"C" = Connector length

PROCEDURE

- A. Remove insulation from each conductor to distance $\frac{1}{2}$ C + $\frac{1}{2}$ " and pencil to dimension D. Roughen penciling.
- B. Train conductors and place connector, centering over butted cable ends
- C. Crimp connector. If crimping tool is not ratchet type, solder crimp connection.
- D. Insulate. Use method "A" on high voltage circuits unless otherwise specified

INSULATING METHODS

Low Voltage Circuits (0-600 volts) Method "A"

1. Apply one coat of rubber cement and allow to dry.
2. Apply low voltage tape to a thickness equal to original insulation.

High Voltage Circuits (601-5000 volts) Method "a"

1. Apply one coat of rubber cement and allow to dry.
2. Apply high voltage tape to a thickness equal to original insulation.
3. Apply two layers of low voltage tape, half lapped.

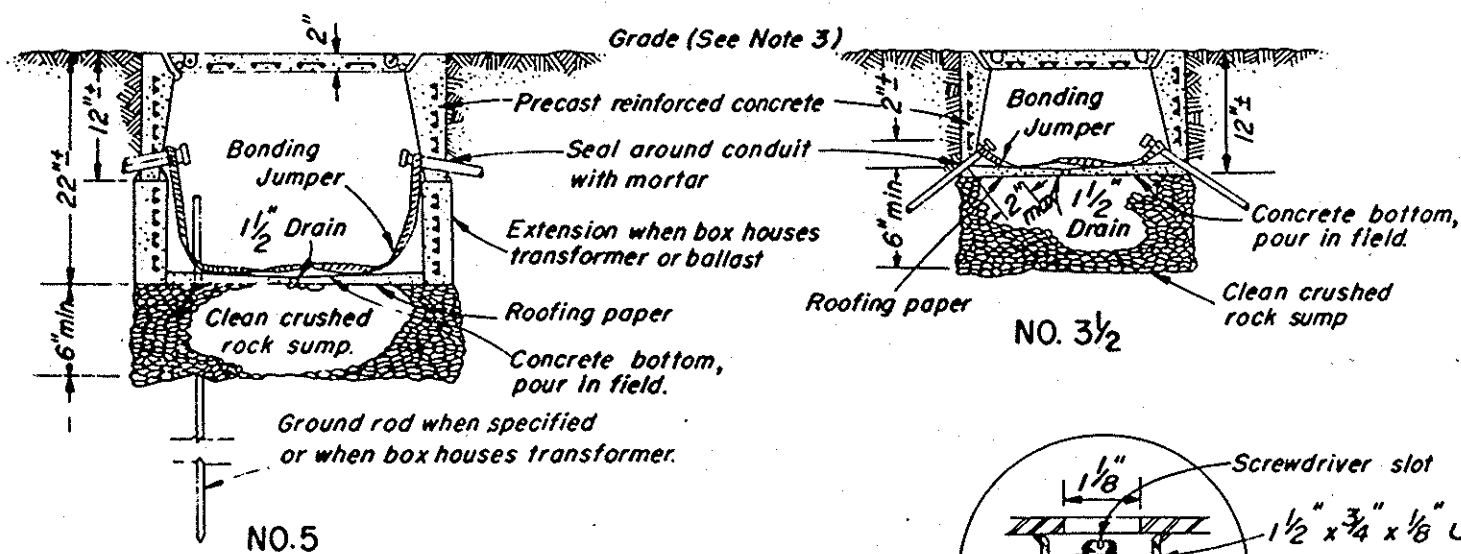
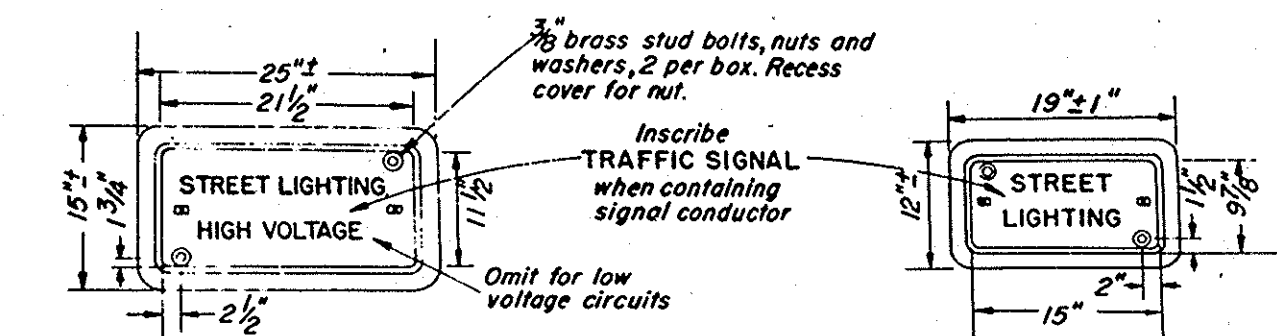
High Voltage or Low Voltage Circuits — Method "B"

1. Apply two layers, half lapped, of synthetic, oil resistant, self fusing rubber tape.
2. Apply .007" thick R.V.C. tape to a thickness equal to original insulation.
3. Apply two layers of asphalt impregnated, open meshed fabric tape and fuse in.

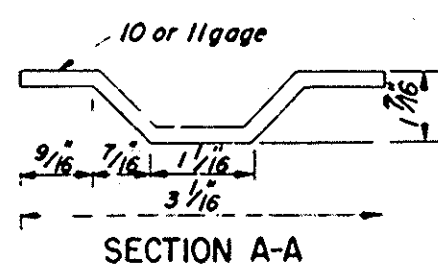
GENERAL NOTES

1. All dimensions are nominal.
2. Rubber tapes shall be rolled after application.
3. If P.V.C. low voltage tape is used as a final layer, paint finished splice with electrical insulating coating.

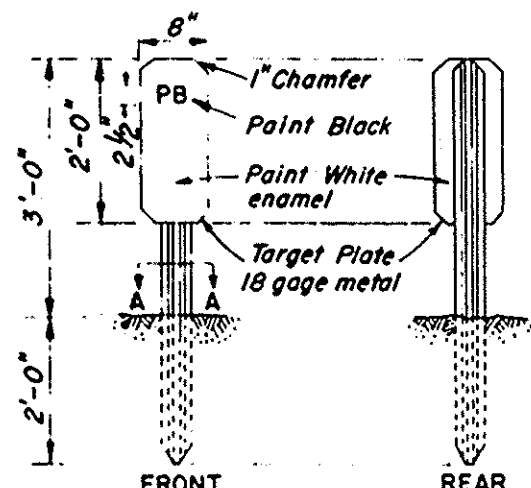
SPLICING



NO.5

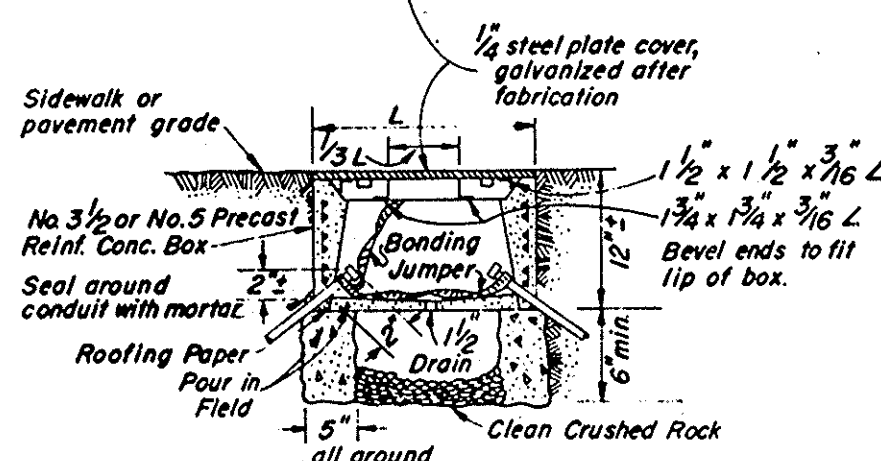
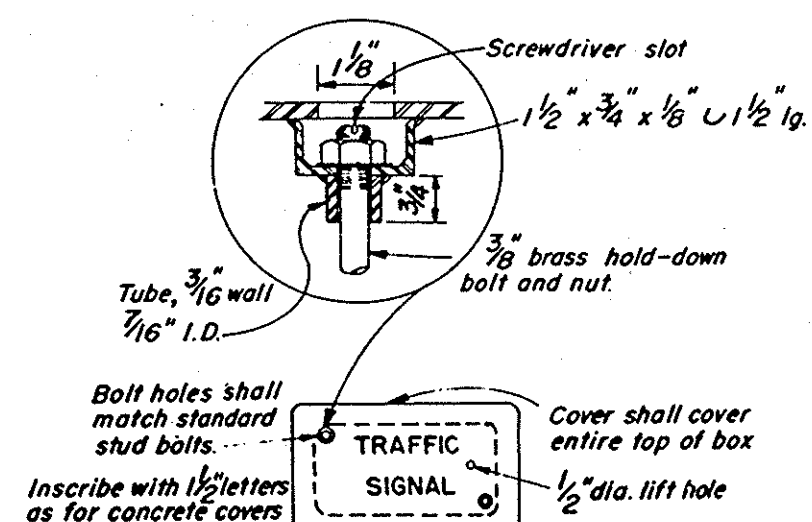


SECTION A-A



(Type A Guide Marker-No Reflectors)

PULL BOX MARKER

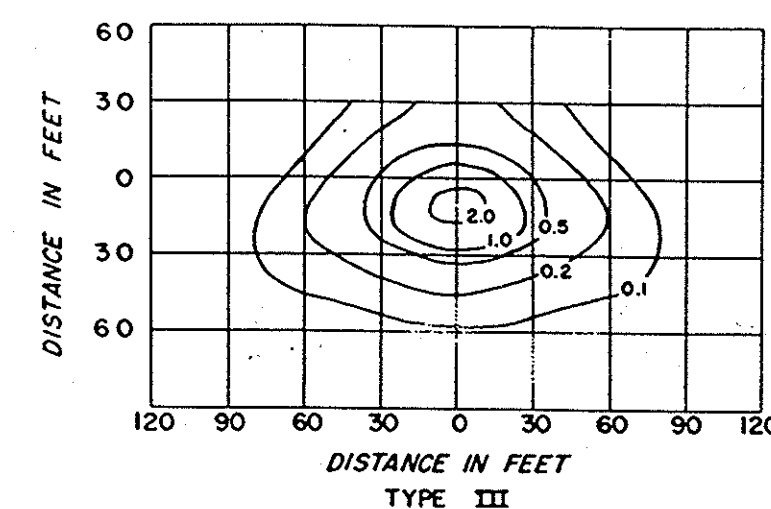


PULL BOX WITH TRAFFIC COVER

NOTES

1. Use steel cover and special concrete footing, as shown, when box is to be installed where subject to traffic loads. Steel cover shall have embossed non-skid pattern when box is placed in paved or sidewalk areas.
2. Steel reinforcing shall be as regularly used in the standard products of the respective manufacturer.
3. Top of pull boxes shall be flush with surrounding grade or top of adjacent curb, except that in unpaved areas where pull box is not immediately adjacent to and protected by a concrete foundation, pole or other protective construction, the box shall be buried 12 inches below grade and shall be marked by a pull box marker placed adjacent to the pull box. Where practicable, pull boxes shown in the vicinity of curbs shall be placed adjacent to the back of curb, and pull boxes shown adjacent to standards shall be placed along back side of foundation, unless otherwise noted.

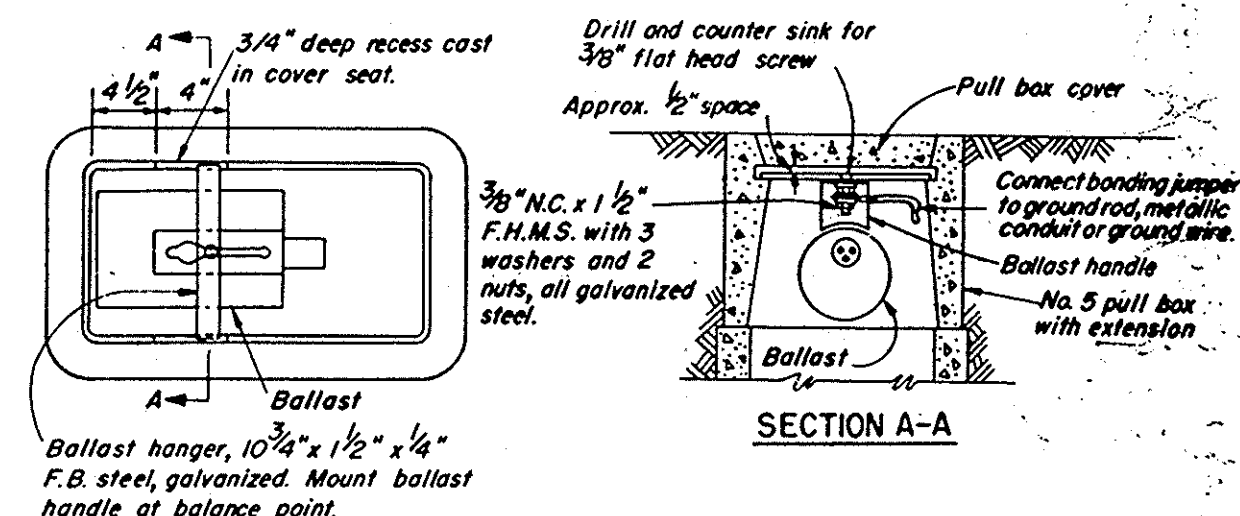
PULL BOXES



TYPE III

*Shielded Highway Lighting Luminaire 30'
Mounting Height, 20,000 Lumen Mercury
Vapor Lamp*

ISOLUX LINES OF MINIMUM HORIZONTAL
FOOT CANDLES



SECTION A-A

BALLAST INSTALLATION IN ROADWAY PULL BOX

AS BUILT

ORANGE COUNTY ROAD DEPARTMENT

ORANGETHORPE AVE. -
LINDA VISTA AVE.
INTERSECTION

TRAFFIC SIGNAL & LIGHTING SITE DETAILS

22

Linda Vista Avenue

11 (9825)

22/22