

**STRAIGHT SPLICE DIMENSIONS - Inches**

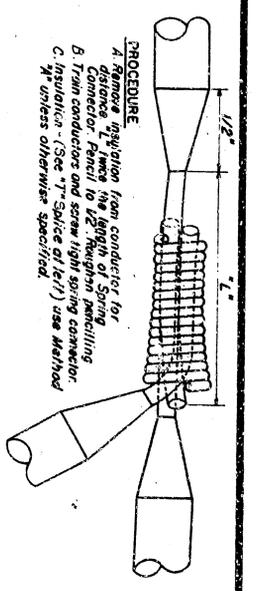
AWG	"B"	"D"
600 Volt 14, 12 or 10 Solid	2"	1 1/2"
600 Volt 8, 6 or 4 Stranded	2 1/2"	1 1/2"
500 Volt 8 Solid	3 1/4"	1"

**T-SPLICE DIMENSIONS - Inches**

AWG	"B"	"D"
600 Volt 14, 12, or 10 Solid	2"	1 1/2"

**PROCEDURE**

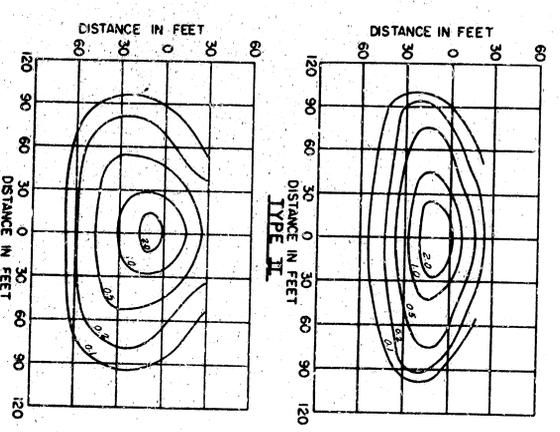
- Remove insulation from each conductor to distance 1/2 C-1/2 and pencil to dimension D. Roughen pencilling.
- Train conductors and splice connector, centering over burred cable ends.
- Crimp and solder connector.
- Insulate according to Method "A" unless otherwise specified.



**ALTERNATE 600 VOLT T-SPLICE ELECTRICAL SPRING CONNECTOR**

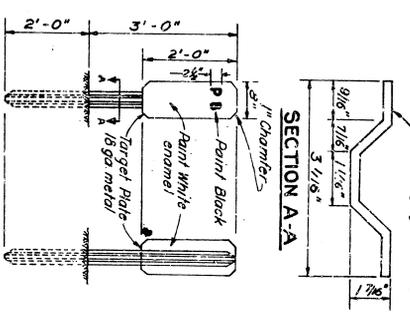
- INSULATING METHOD "A"**
- Apply one coat, 1/32 inch thick, rubber cement, allow to dry.
  - For Circuits Up to 2000 Volts: Apply self-fusing synthetic rubber tape to a thickness equal to original insulation.
  - For Circuits Above 2,000 Volts (All Series Lighting): Apply self-fusing, ozone-resistant, rubber tape to a thickness equal to original insulation.
  - Apply two layers of self-fusing synthetic rubber tape. Half lapped, rubber tapes shall be rolled, after application, with concave roller.
- INSULATING METHOD "B"**
- Apply two 1/4" x 3/8" tape synthetic oil-resistant self-fusing rubber tape.
  - Apply 207" thick PVC tape to thickness equal to original insulation.
  - Apply two layers of asphalt-impregnated open-meshed fabric tape.
  - Load splice with same compound as in tape and use in.

**SPLICING DETAILS**

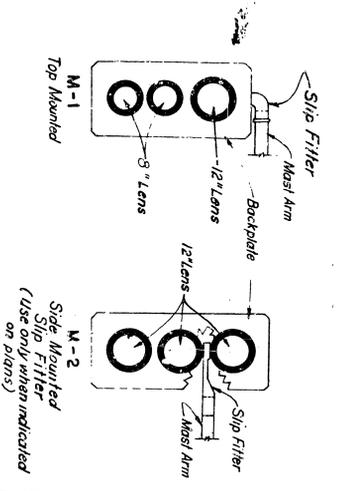


**ISOLUX LINES OF MINIMUM HORIZONTAL FOOT CANDLES**

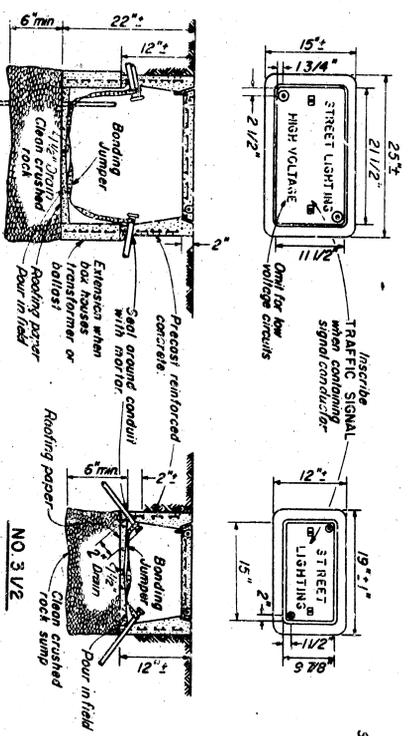
Shielded Highway Lighting Luminaires 30' Mounting Height, 20,000 Lumen Mercury Vapor Lamp



**PULL BOX MARKER**

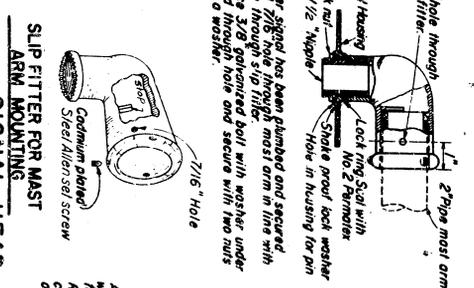


**MAST ARM MOUNTING**



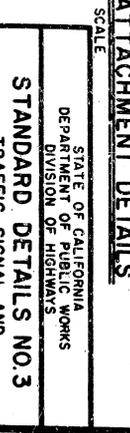
**PULL BOXES**

**NO. 5**



**SLIP FITTER FOR MAST ARM MOUNTING**

**LOCK RING**



**STANDARD DETAILS NO. 3**

TRAFFIC SIGNAL AND HIGHWAY LIGHTING INSTALLATIONS

STATE OF CALIFORNIA  
DEPARTMENT OF PUBLIC WORKS  
DIVISION OF HIGHWAYS

REVISION DATE: 6-7-53  
DRAWING NO. E-100

SCALE AS NOTED

SHEET 9 OF 10 SHEETS

ES-3