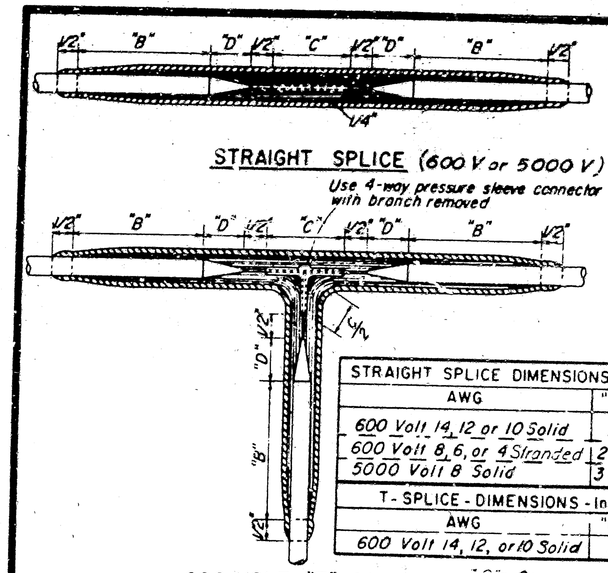
DIST	COUNTY	ROUTE	SECTION	SHEET NO	TOTAL SHEETS

APPROVED January 9, 1959

TRAFFIC ENGINEER, CIVIL ENGINEER LOCATED AND DATE

TO ACCOMPANY PLANS DATED



STRAIGHT SPLICE (600 V or 5000 V)

Use 4-way pressure sleeve connector with branch removed

STRAIGHT SPLICE DIMENSIONS - Inches		
AWG	"B"	"D"
600 Volt 14, 12 or 10 Solid	2"	1/2"
600 Volt 8, 6, or 4 Stranded	2 1/2"	1/2"
5000 Volt 8 Solid	3 1/4"	1"

T - SPLICE - DIMENSIONS - Inches		
AWG	"B"	"D"
600 Volt 14, 12, or 10 Solid	2"	1/2"

"L" = Connector length

600 VOLT "T" SPLICE
(Up to 10 AWG only)

PROCEDURE

A. Remove insulation from conductor for distance "L" twice the length of Spring Connector. Pencil to 1/2". Roughen pencilling.
B. Train conductors and screw tight spring connector.
C. Insulation - (See "T" Splice at left.) use Method "A" unless otherwise specified.

ALTERNATE 600 VOLT "T" SPLICE
ELECTRICAL SPRING CONNECTOR
No. 14 AWG and larger

PROCEDURE

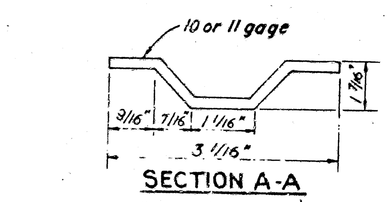
A. Remove insulation from each conductor to distance 1/2 C+1/2" and pencil to dimension D. Roughen pencilling.
B. Train conductors and place connector, centering over butted cable ends.
C. Crimp and solder connector.
D. Insulate according to Method "A" unless otherwise specified.

INSULATING METHOD "A"

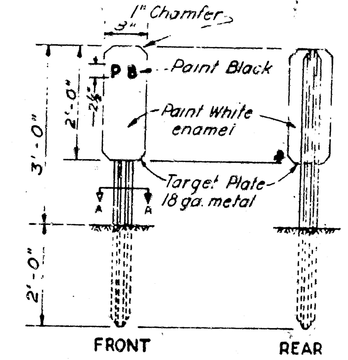
① Apply one coat of approved rubber cement allow to dry
For Circuits Up to 2,000 Volts
② Apply self fusing synthetic rubber tape to a thickness equal to original insulation
For Circuits Above 2,000 Volts, All Series Lighting
② Apply self - fusing, ozone - resistant, natural rubber tape to a thickness equal to original insulation
③ Apply two layers of self-fusing synthetic rubber tape, half lapped.
④ Rubber tapes shall be rolled, after application, with conductive roller.

INSULATING METHOD "B"

① Apply two layers, 1/2 lap, synthetic oil resistant, self fusing rubber tape.
② Apply .007" thick PVC tape to thickness equal to original insulation.
③ Apply two layers of asphalt-impregnated open meshed fabric tape
④ Coat splice with same compound as in tape and fuse in.

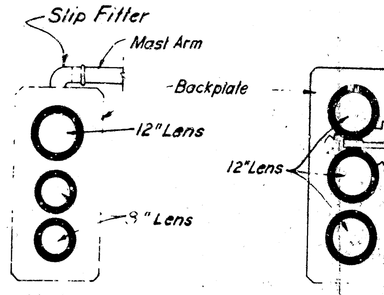


SECTION A-A



(Type A Guide Post - No Reflectors)

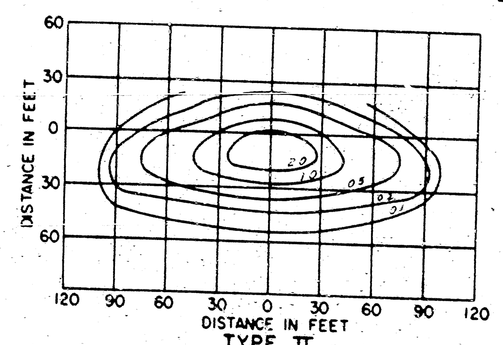
PULL BOX MARKER
No Scale



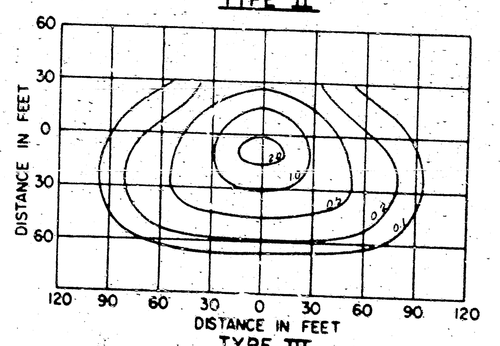
M-1
Top Mounted

M-2
Side Mounted Slip Fitter
(Use only when indicated on plans)

SPLICING DETAILS



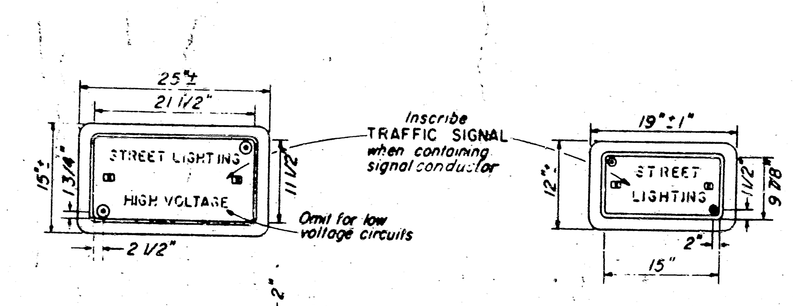
TYPE II

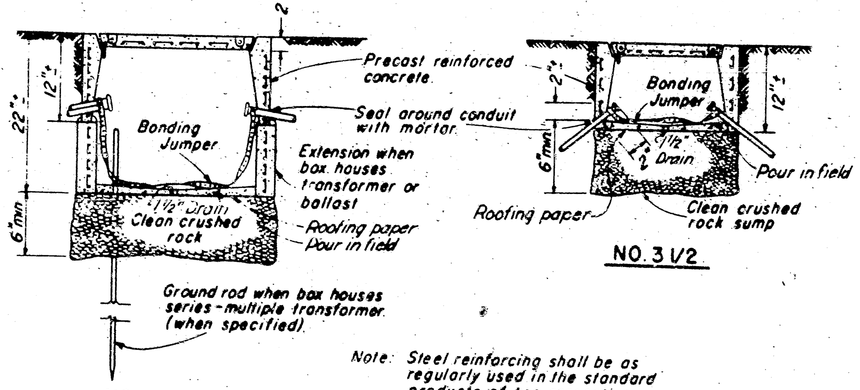


TYPE III

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

ISOLUX LINES OF MINIMUM HORIZONTAL FOOT CANDLES



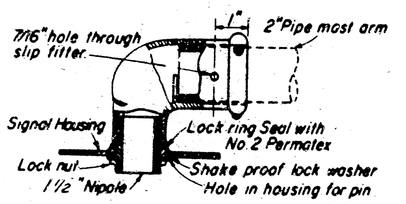


NO. 5

NO. 3 1/2

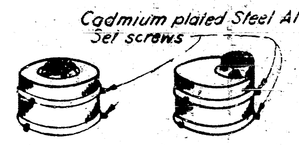
Note: Steel reinforcing shall be as regularly used in the standard products of the respective manufacturer.

PULL BOXES
NO SCALE



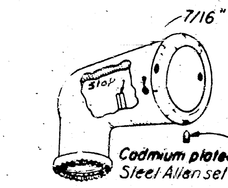
After signal has been plumbed and secured drill 7/16" hole through mast arm in line with hole through slip fitter.
Place 3/8" galvanized bolt with washer under head through hole and secure with two nuts and a washer.

MAST ARM MOUNTING
No Scale

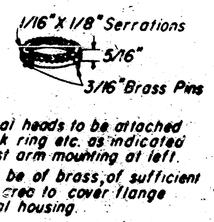


Note: Serrations in fittings shall match those in lock ring

SLIP FITTER FOR POST TOP MOUNTING



SLIP FITTER FOR MAST ARM MOUNTING



All signal heads to be attached with lock ring etc. as indicated for mast arm mounting at left.
Ring to be of brass, of sufficient contact area to cover flange on signal housing.

LOCK RING

SPECIAL 90° ELBOW
One for each face, except those with special slip fitter mounting.

SIGNAL HEAD ATTACHMENT DETAILS
NO SCALE

STATE OF CALIFORNIA
DEPARTMENT OF PUBLIC WORKS
DIVISION OF HIGHWAYS

STANDARD DETAILS NO. 3
TRAFFIC SIGNAL AND HIGHWAY LIGHTING INSTALLATIONS

SCALE AS NOTED

REV DATE 6-1-59

DRAWING NO. E

Dwg. No. 3461

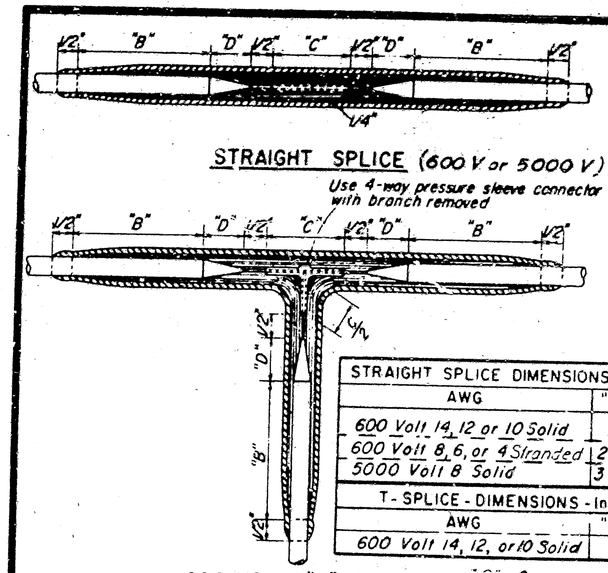
SHEETS

DIST	COUNTY	ROUTE	SECTION	SHEET NO	TOTAL SHEETS

APPROVED January 9, 1959

TRAFFIC ENGINEER, CIVIL ENGINEER LOCATED AND DATE

TO ACCOMPANY PLANS DATED



STRAIGHT SPLICE (600 V or 5000 V)

Use 4-way pressure sleeve connector with branch removed

STRAIGHT SPLICE DIMENSIONS - Inches		
AWG	"B"	"D"
600 Volt 14, 12 or 10 Solid	2"	1/2"
600 Volt 8, 6, or 4 Stranded	2 1/2"	1/2"
5000 Volt 8 Solid	3 1/4"	1"

T - SPLICE - DIMENSIONS - Inches		
AWG	"B"	"D"
600 Volt 14, 12, or 10 Solid	2"	1/2"

"L" = Connector length

600 VOLT "T" SPLICE
(Up to 10 AWG only)

PROCEDURE

A. Remove insulation from conductor for distance "L" twice the length of Spring Connector. Pencil to 1/2". Roughen pencilling.
B. Train conductors and screw tight spring connector.
C. Insulation - (See "T" Splice at left.) use Method "A" unless otherwise specified.

ALTERNATE 600 VOLT "T" SPLICE
ELECTRICAL SPRING CONNECTOR
No. 14 AWG and larger

PROCEDURE

A. Remove insulation from each conductor to distance 1/2 C+1/2" and pencil to dimension D. Roughen pencilling.
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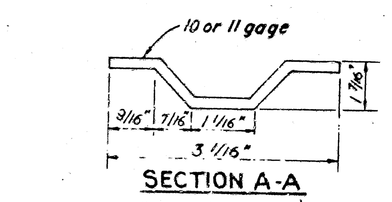

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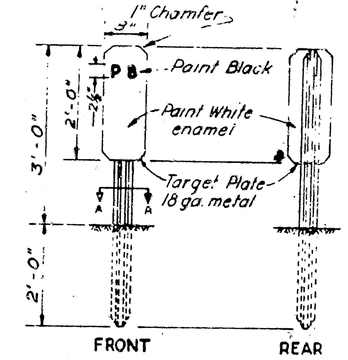

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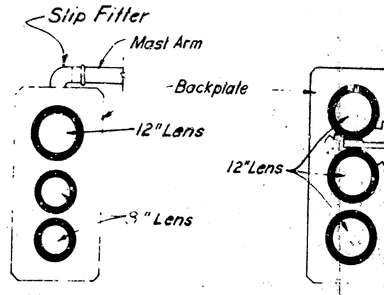

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Side Mounted Slip Fitter
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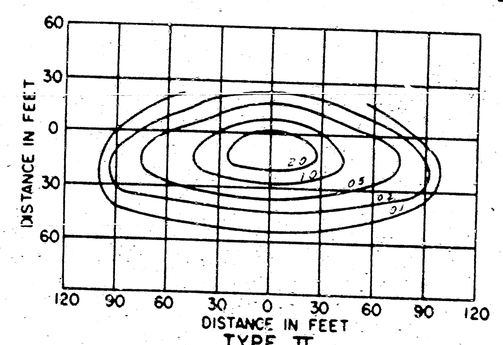
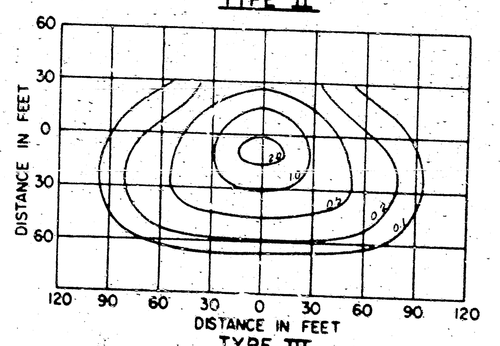


TYPE II



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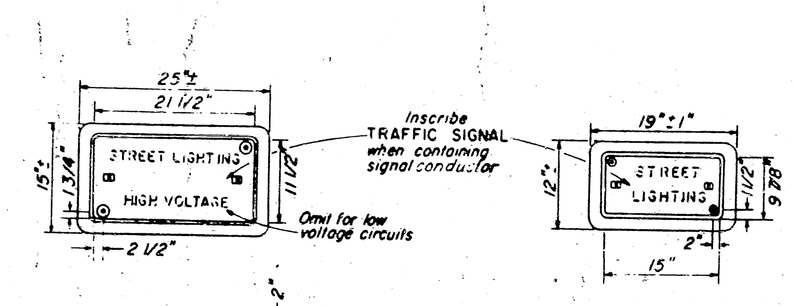

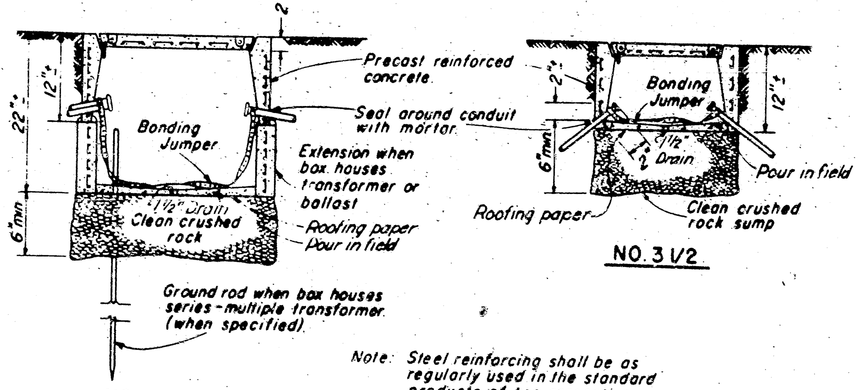

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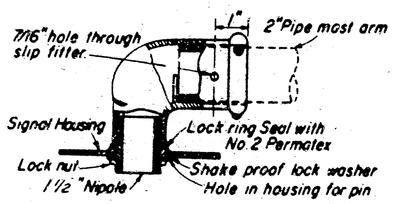

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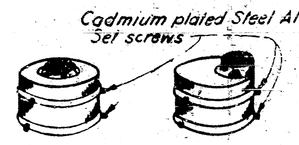

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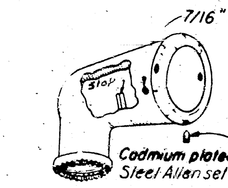
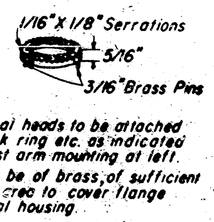


SLIP FITTER FOR MAST ARM MOUNTING



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STANDARD DETAILS NO. 3
TRAFFIC SIGNAL AND HIGHWAY LIGHTING INSTALLATIONS

SCALE AS NOTED

REV DATE 6-1-59

DRAWING NO. E

Dwg. No. 3461

SHEETS