

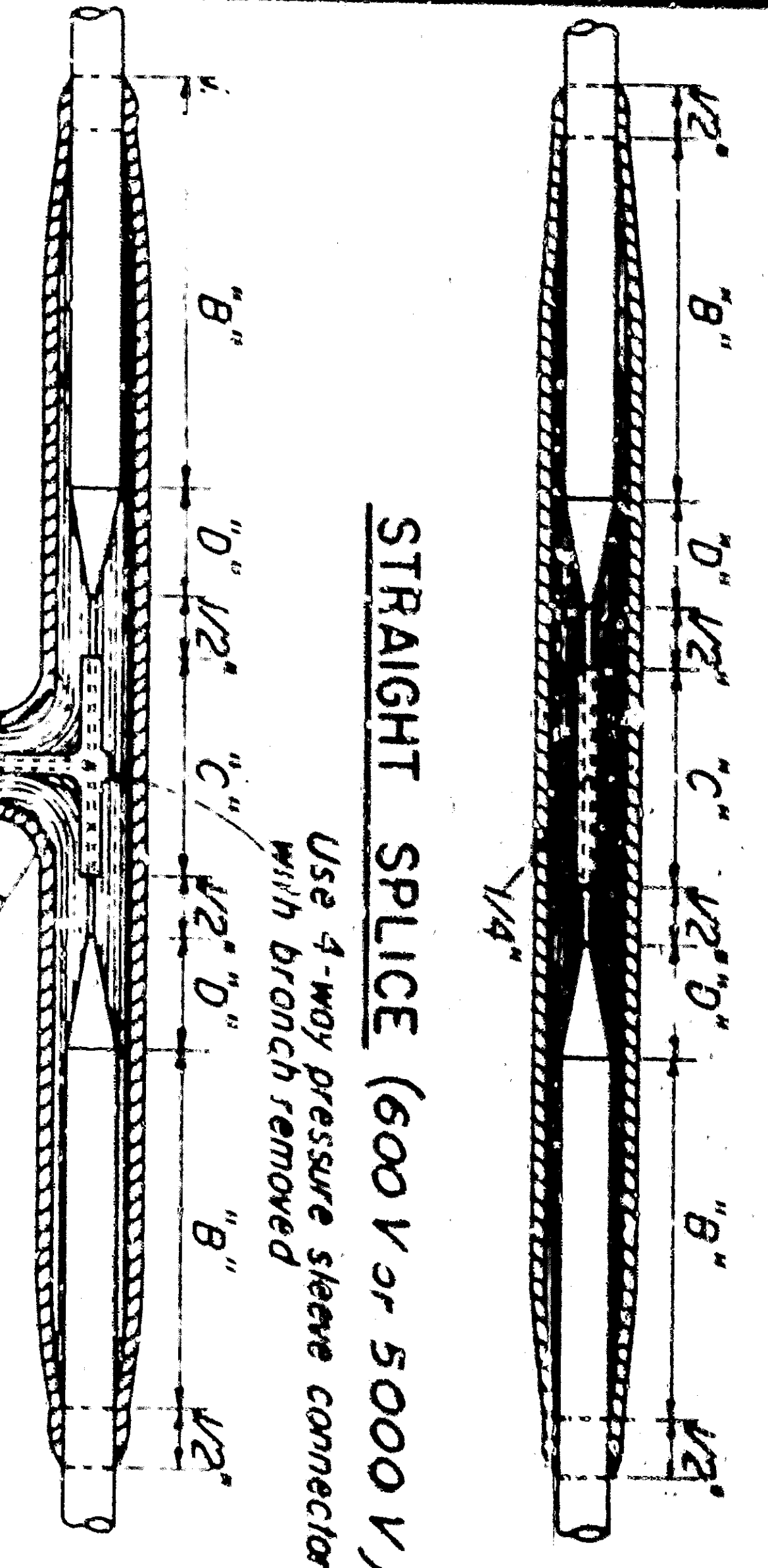
DATE	SCALE	DESIGNER	CHECKER	APPROVED

PROJECT: January 9, 1959

TITLE: STANDARD DETAILS NO. 3
TRAFFIC SIGNAL AND HIGHWAY LIGHTING INSTALLATIONS

TO ACCOMPANY PLAN SHEET

NO.	DATE	REVISION



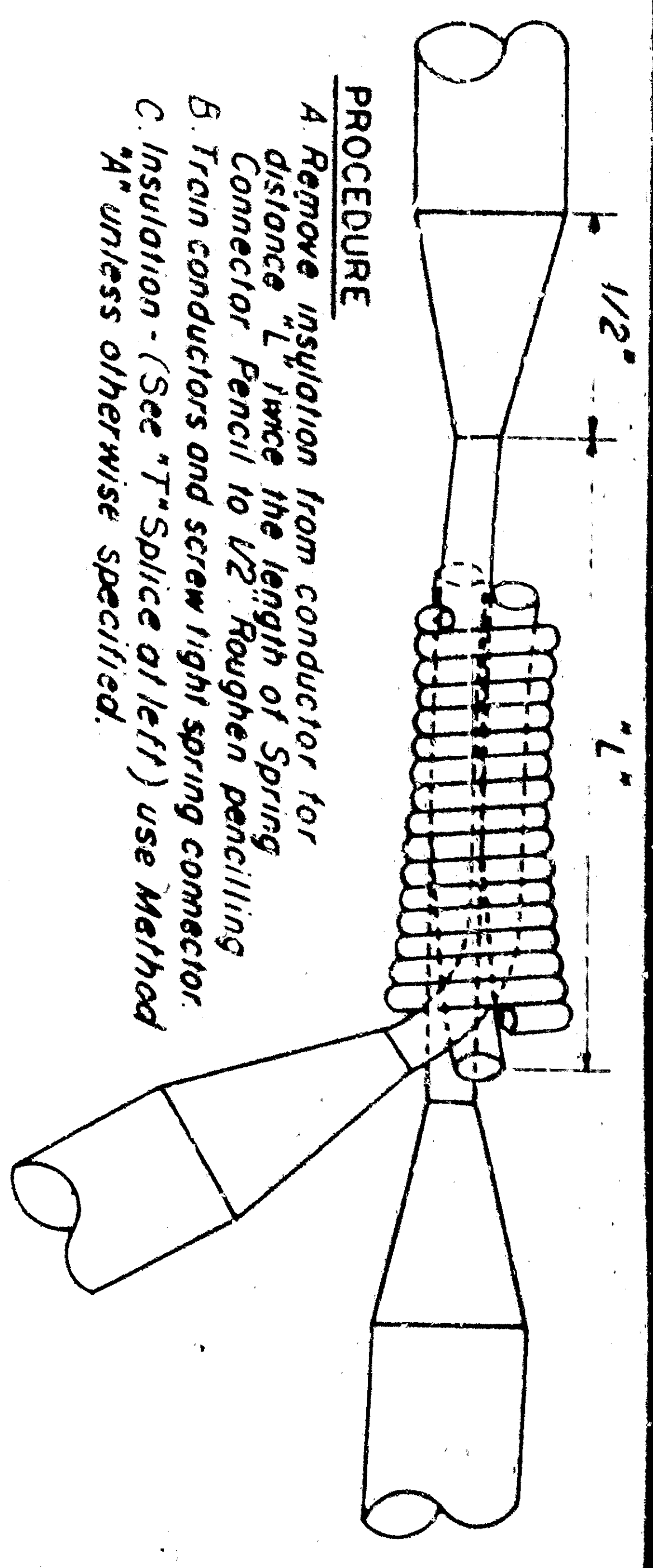
STRAIGHT SPLICE (600 V or 5000 V)

Use 4-way pressure sleeve connector with branch removed

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

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

PROCEDURE:
 A Remove insulation from each conductor to distance 1/2" Cx1/2" and pencil to dimension D. Roughen penciling.
 B Trim conductors and place connector, centering over burred cable ends.
 C Crimp and solder connector.
 D Insulate according to Method "A" unless otherwise specified.



ALTERNATE 600 VOLT "T" SPLICE ELECTRICAL SPRING CONNECTOR

PROCEDURE:
 A Remove insulation from conductor for distance "A" twice the length of Spring Connector. Pencil to 1/2" Roughen penciling.
 B Trim conductors and screw tight spring connector.
 C Insulate - (See "T" Splice detail) use Method "A" unless otherwise specified.

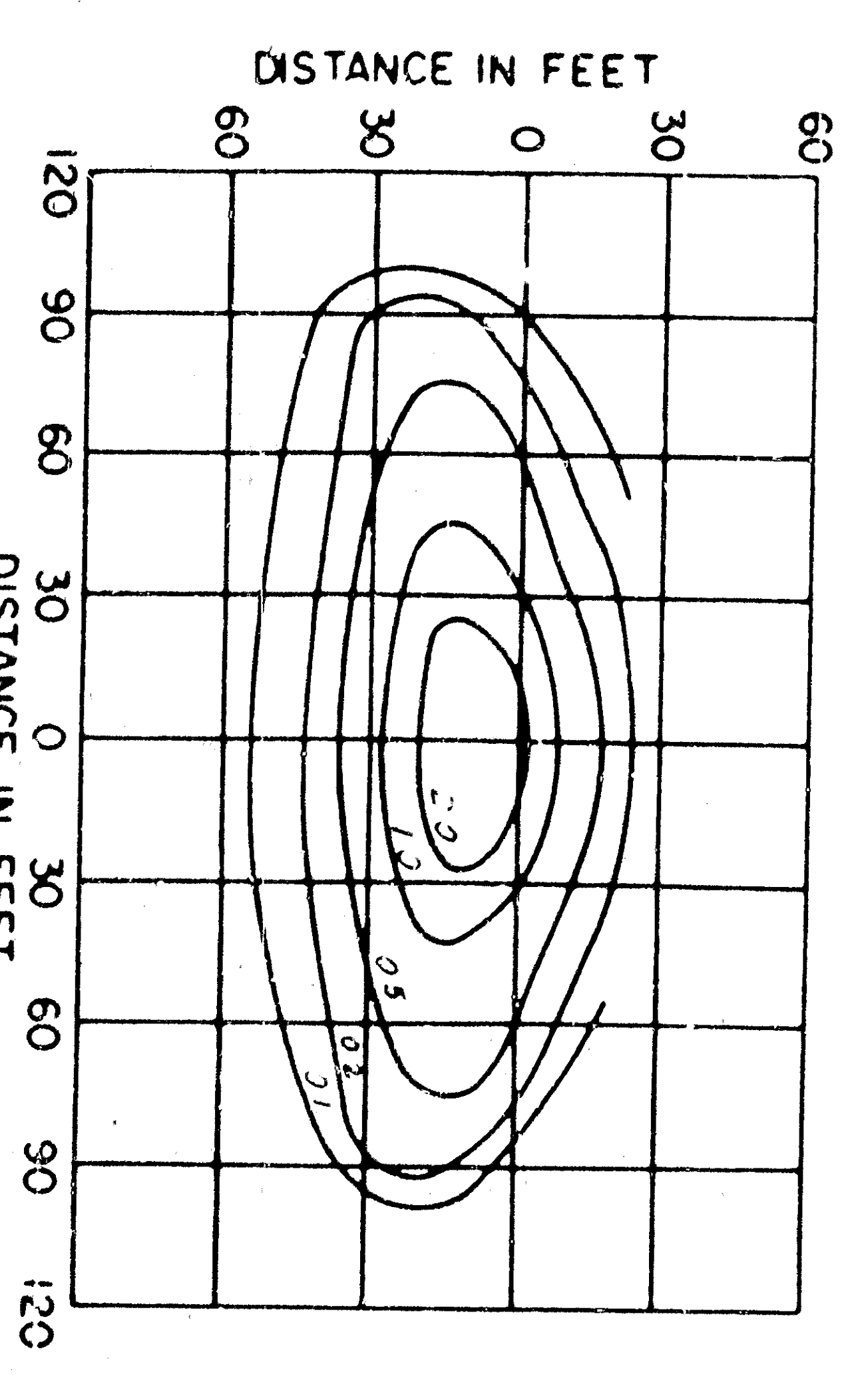
ALTERNATE 600 VOLT "T" SPLICE ELECTRICAL SPRING CONNECTOR

NO. 14 AWG and larger

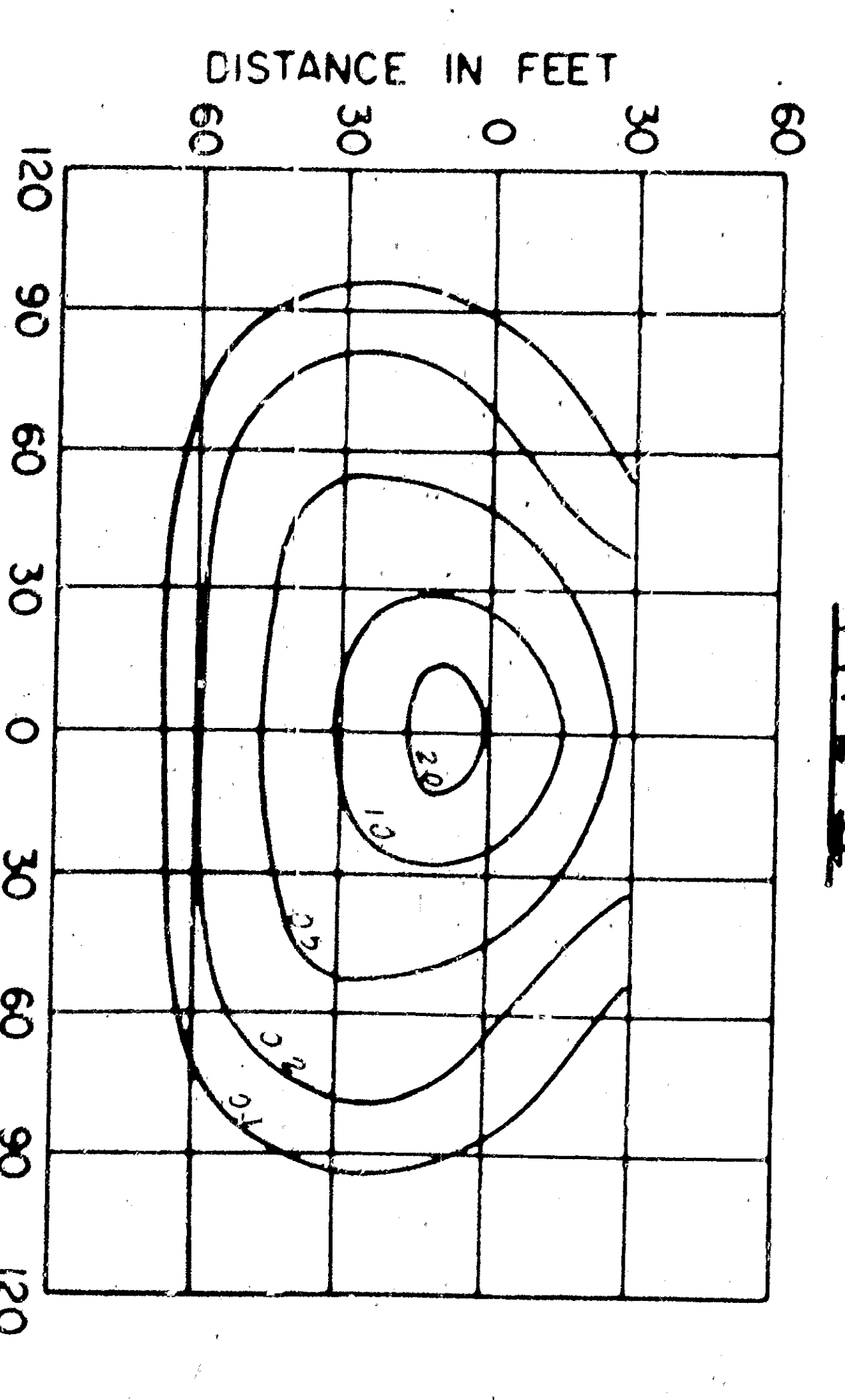
INSULATING METHOD "A"

- 1 Apply one coat of tape to each conductor and allow to dry.
- 2 For Circuits Up to 2000 Volts Apply self-insulating tape to each conductor equal to original insulation.
- 3 For Circuits Above 2000 Volts Apply self-insulating tape to each conductor equal to original insulation.
- 4 Apply self-insulating tape to each conductor equal to original insulation.
- 5 Apply two layers of self-insulating tape, half lapped.
- 6 Apply two layers of self-insulating tape, half lapped.
- 7 Apply two layers of self-insulating tape, half lapped.
- 8 Apply two layers of self-insulating tape, half lapped.
- 9 Apply two layers of self-insulating tape, half lapped.
- 10 Apply two layers of self-insulating tape, half lapped.

SPLICING DETAILS

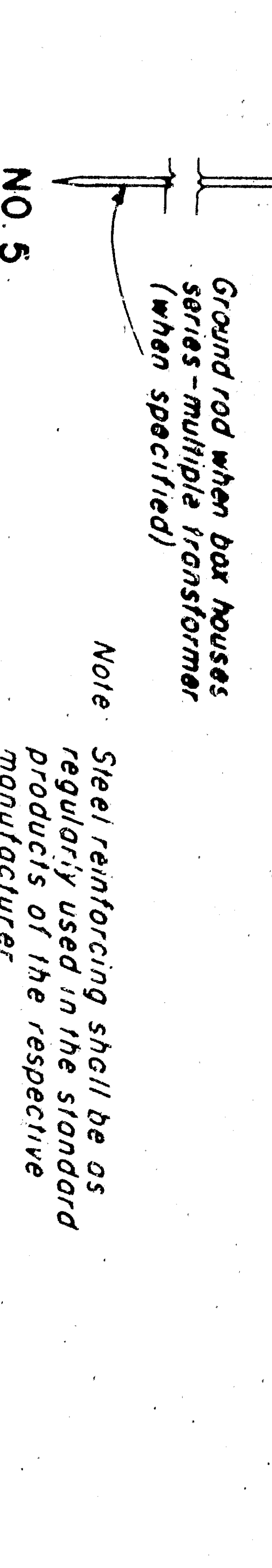
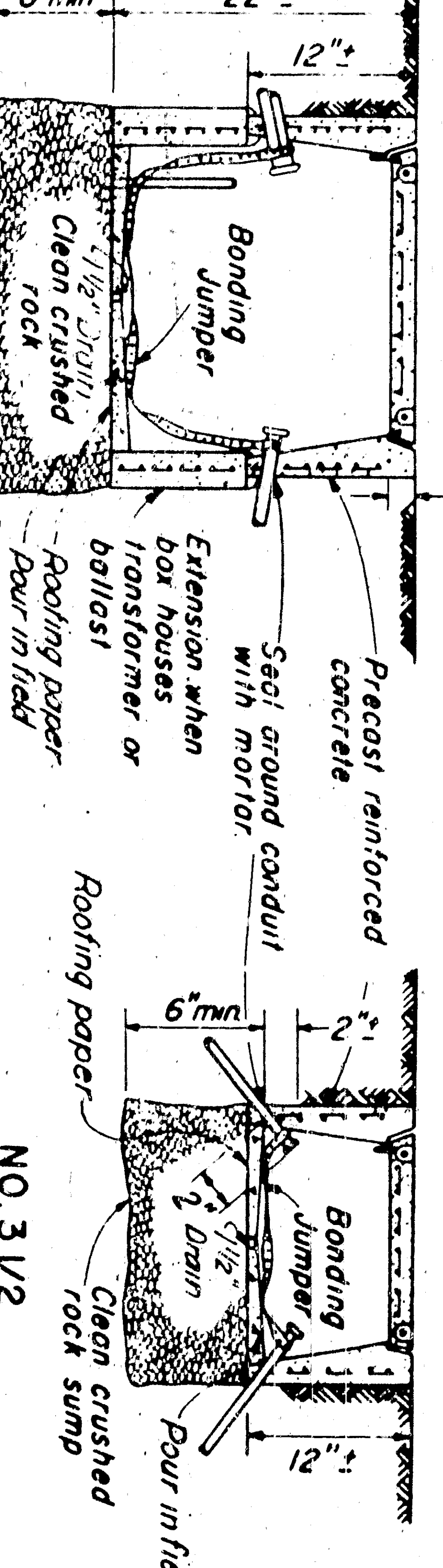
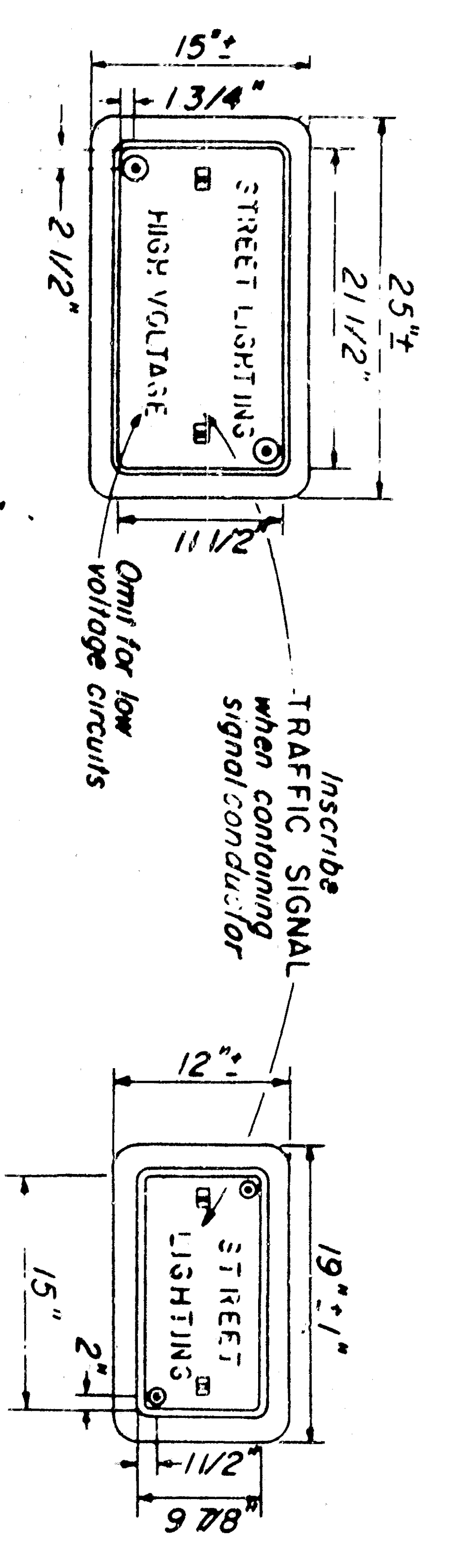


TYPE II



TYPE III

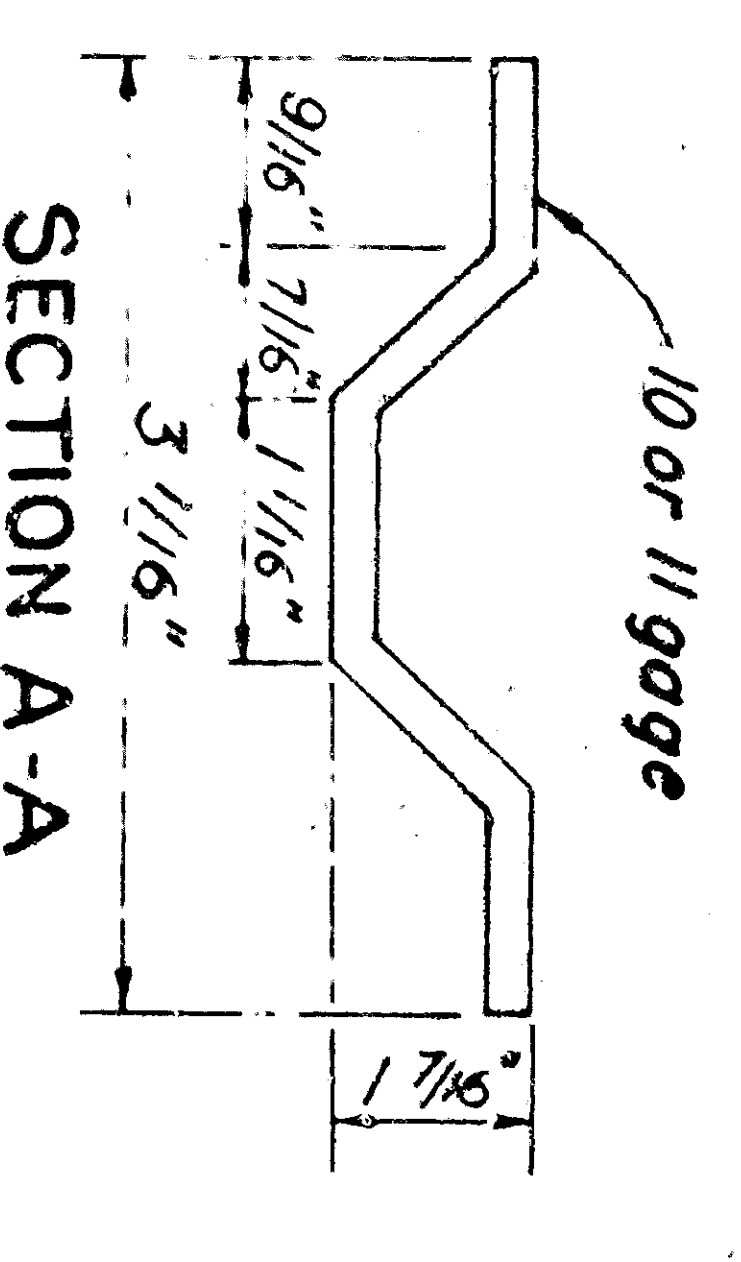
Shielded Highway Lighting Luminaire 30' Mounting Height,
 20,000 Lumen Mercury Vapor Lamp
 ISOLUX LINES OF MINIMUM HORIZONTAL FOOT CANDLES



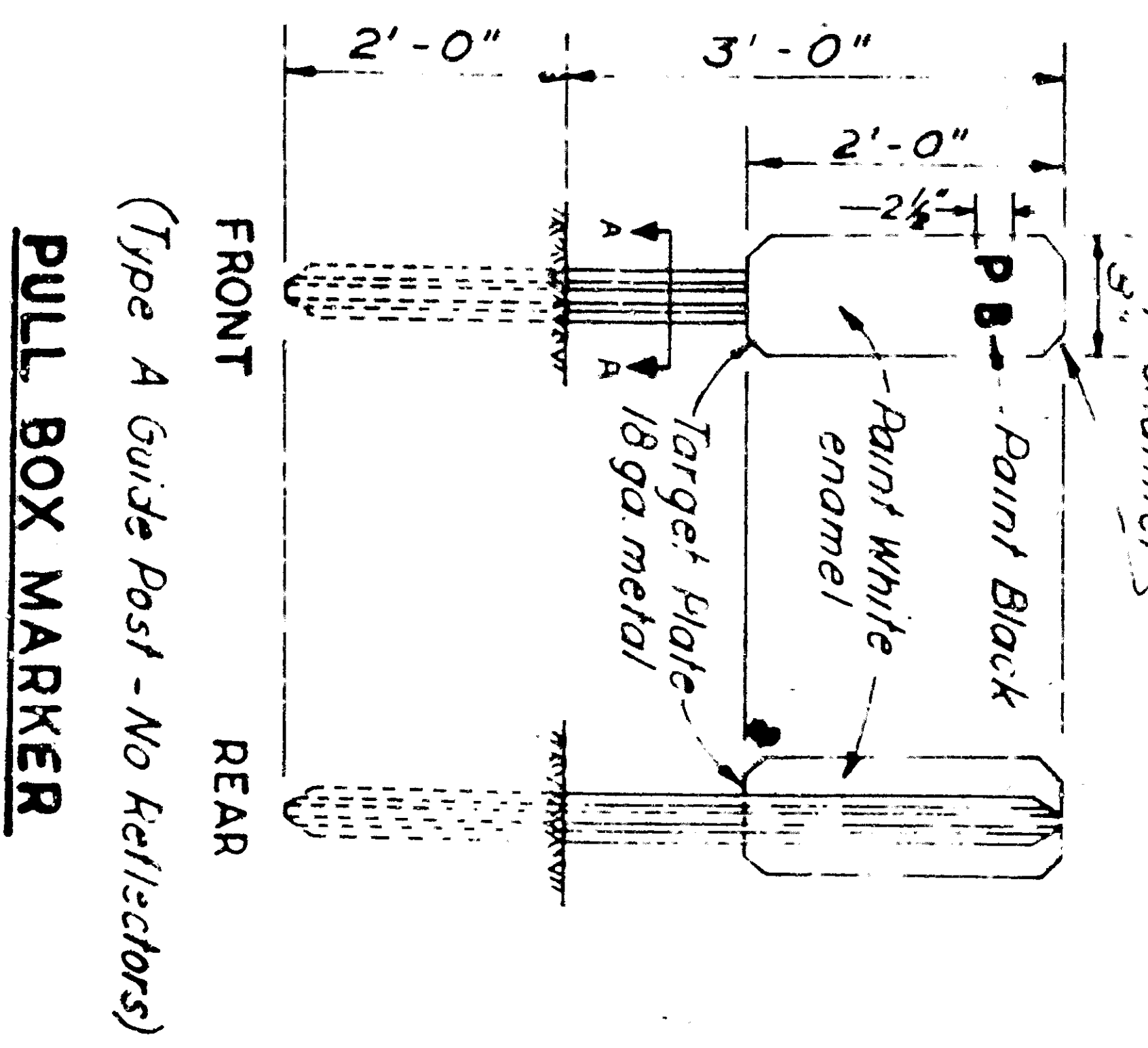
Note: Steel reinforcing shall be as regularly used in the standard products of the respective manufacturer.

PULL BOXES

NO SCALE

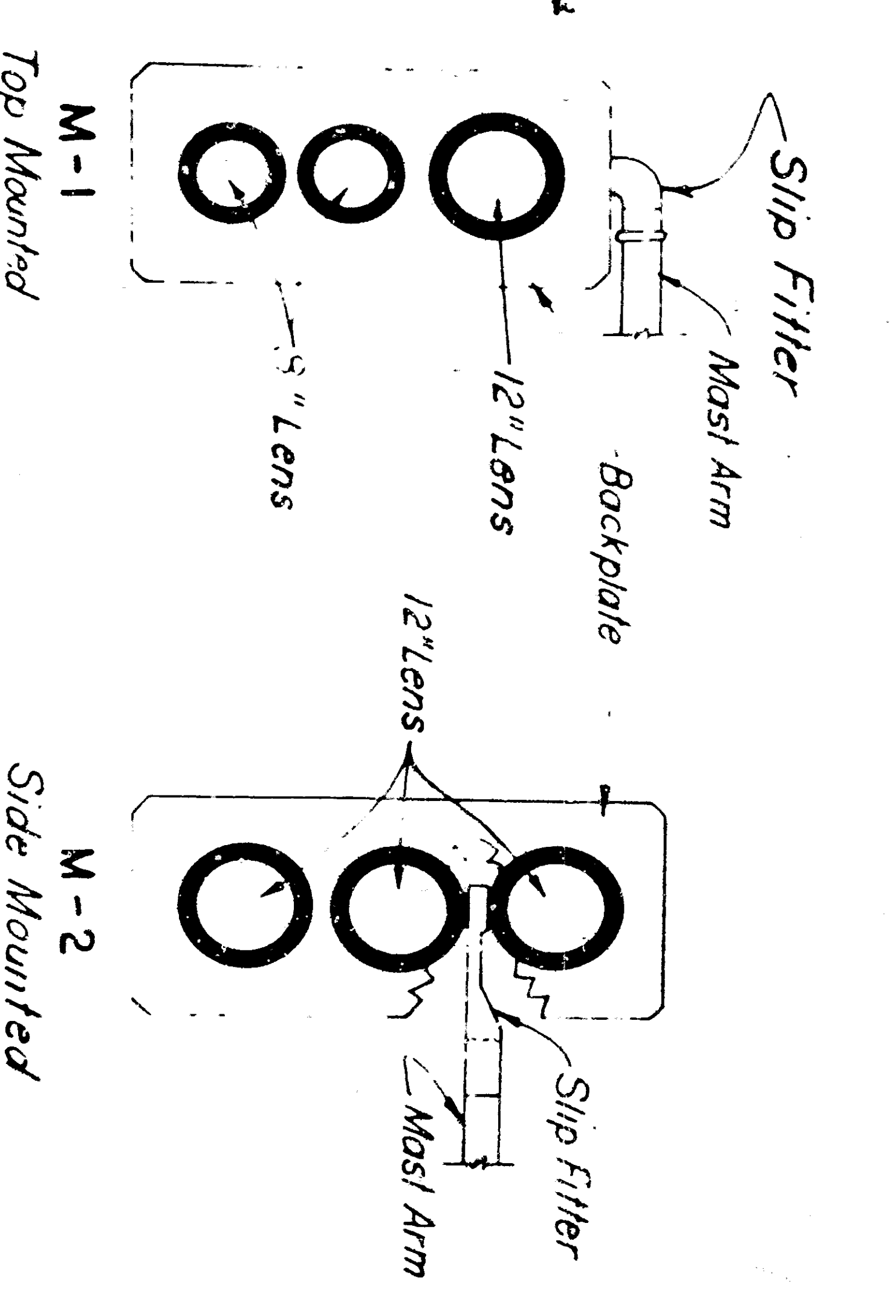


SECTION A-A



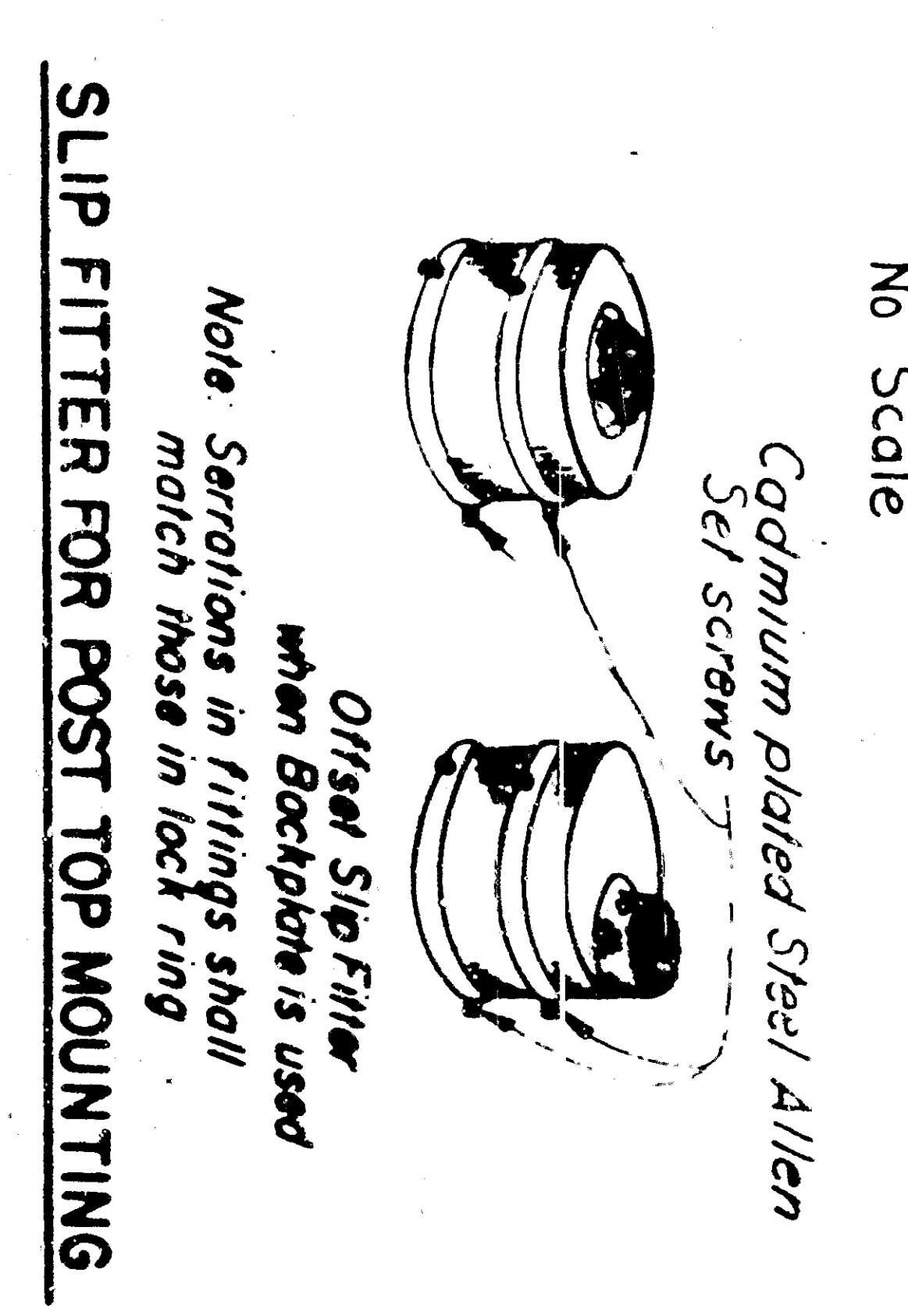
PULL BOX MARKER

NO SCALE

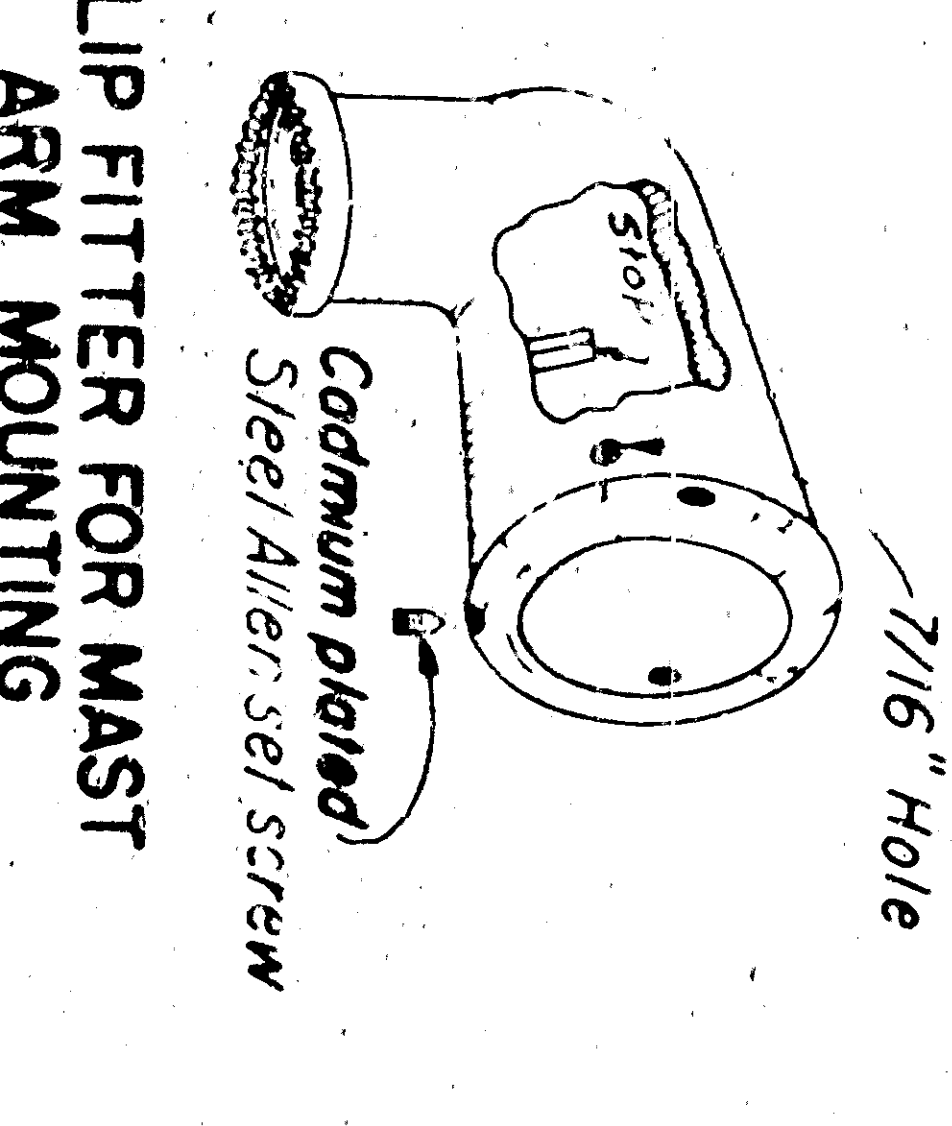


MAST ARM MOUNTING

NO SCALE



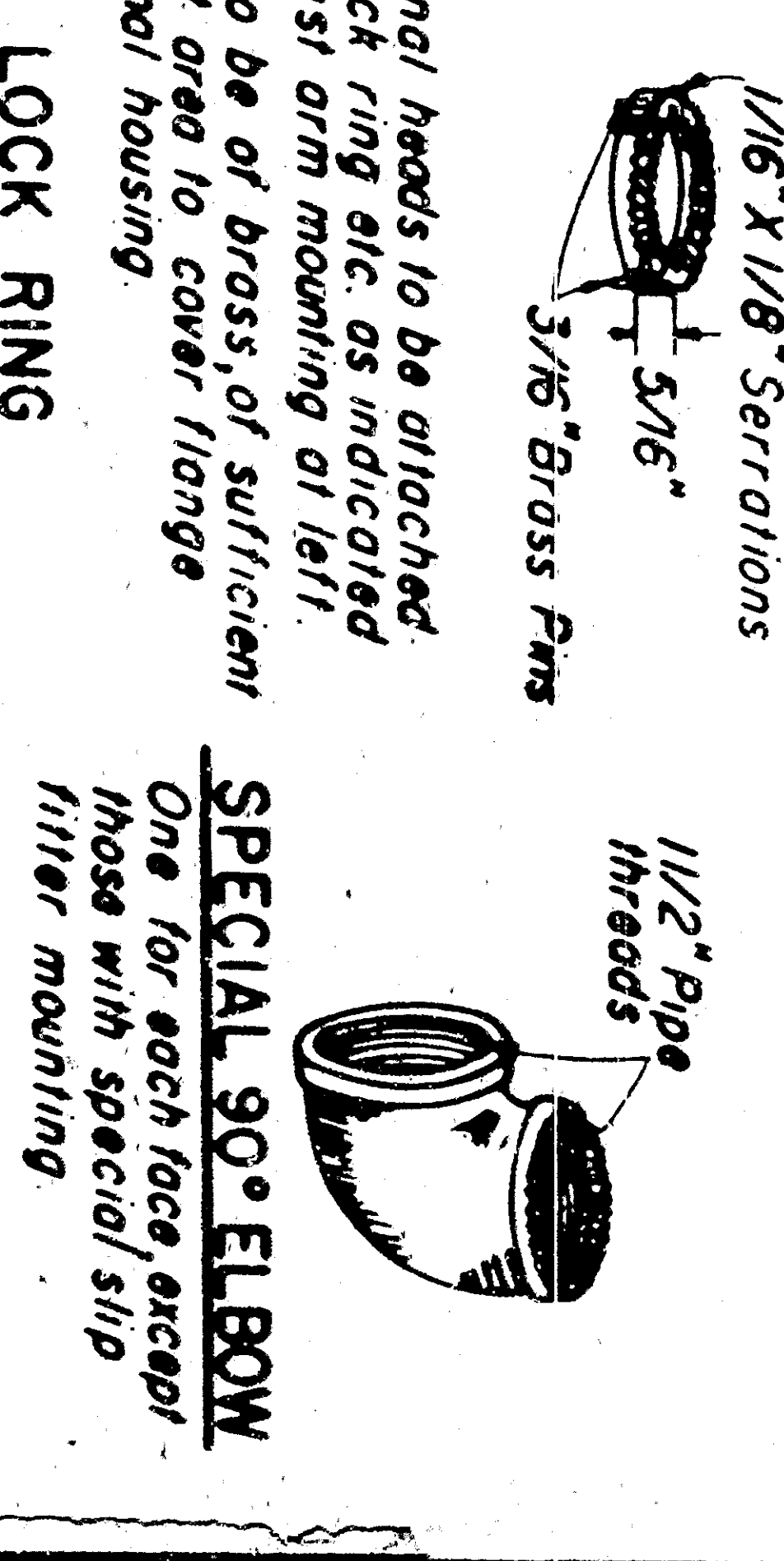
SLIP FILTER FOR POST TOP MOUNTING



SLIP FILTER FOR MAST ARM MOUNTING

SIGNAL HEAD ATTACHMENT DETAILS

NO SCALE



LOCK RING

SPECIAL 90° ELBOW

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 6-7-59	SIZE
	DRAWING NO. E	

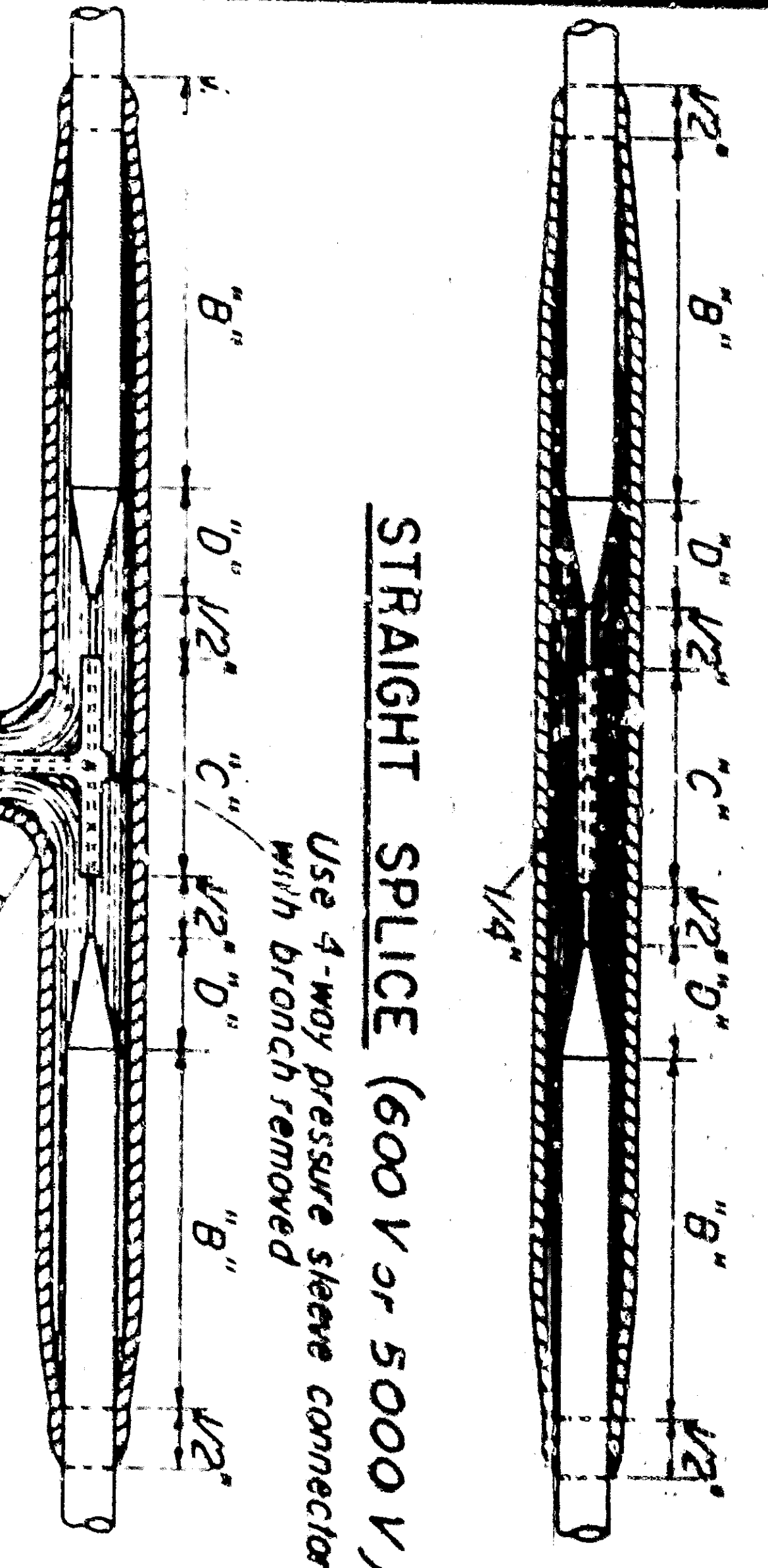
DATE	SCALE	DESIGNER	CHECKER	APPROVED

PROJECT: January 9, 1959

TITLE: STANDARD DETAILS FOR HIGHWAY LIGHTING INSTALLATIONS

TO ACCOMPANY PLAN SHEET

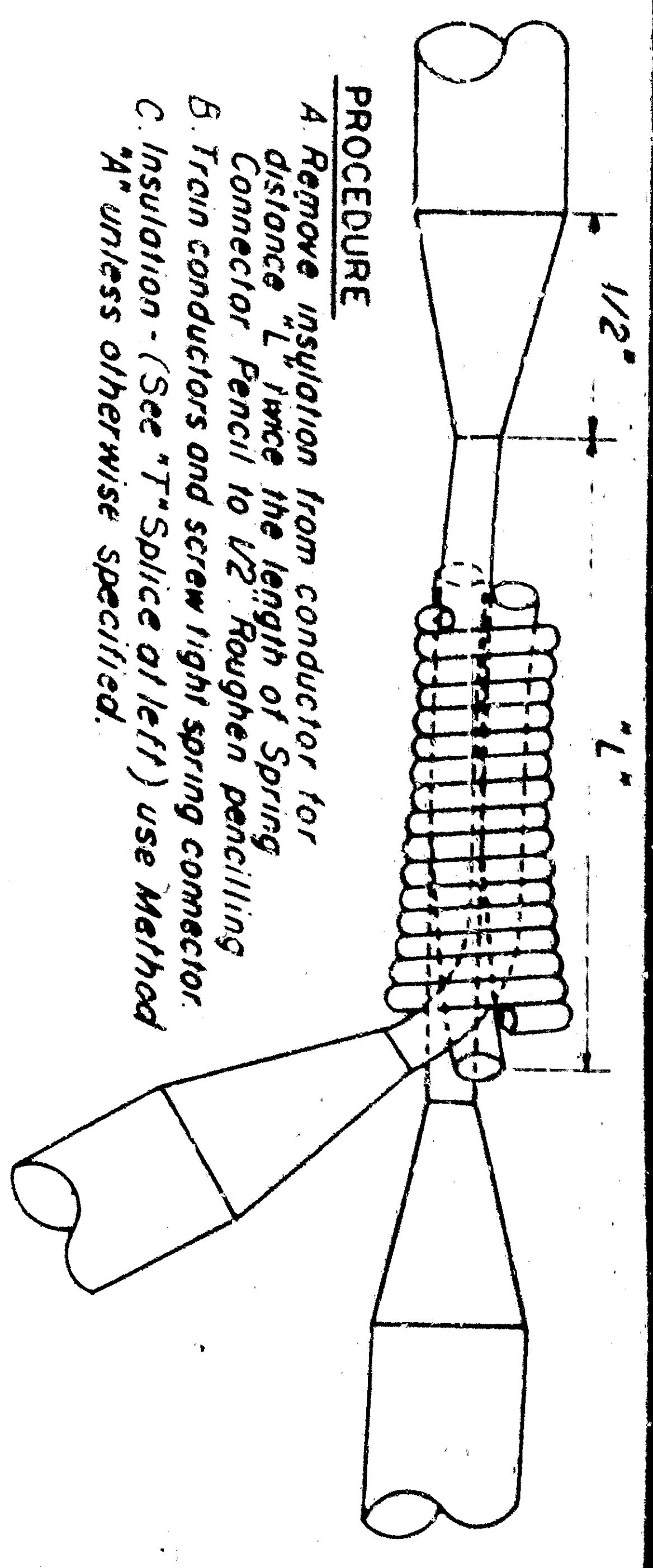
NO.	DATE	REVISION



STRAIGHT SPLICE (600 V or 5000 V)

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

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

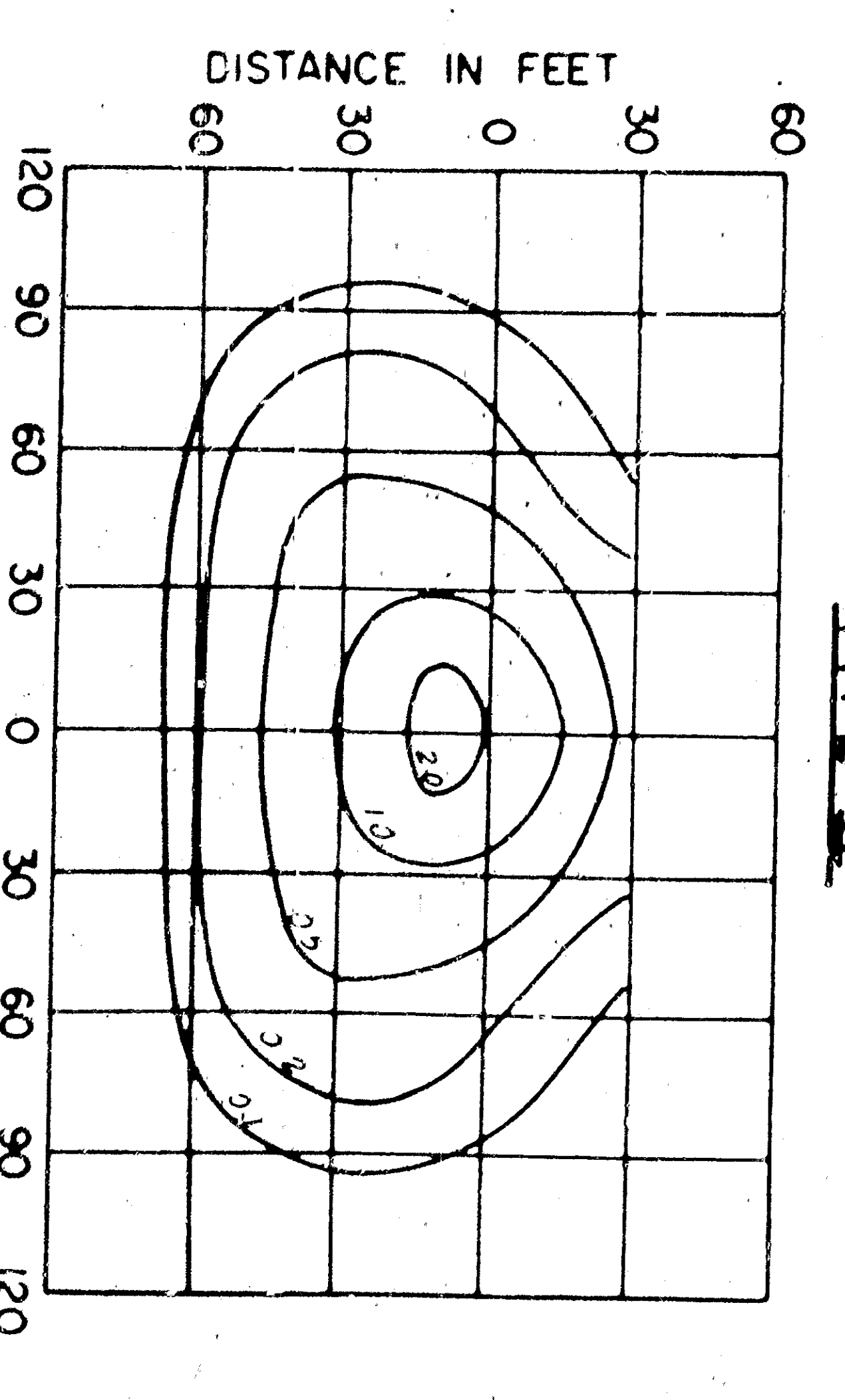
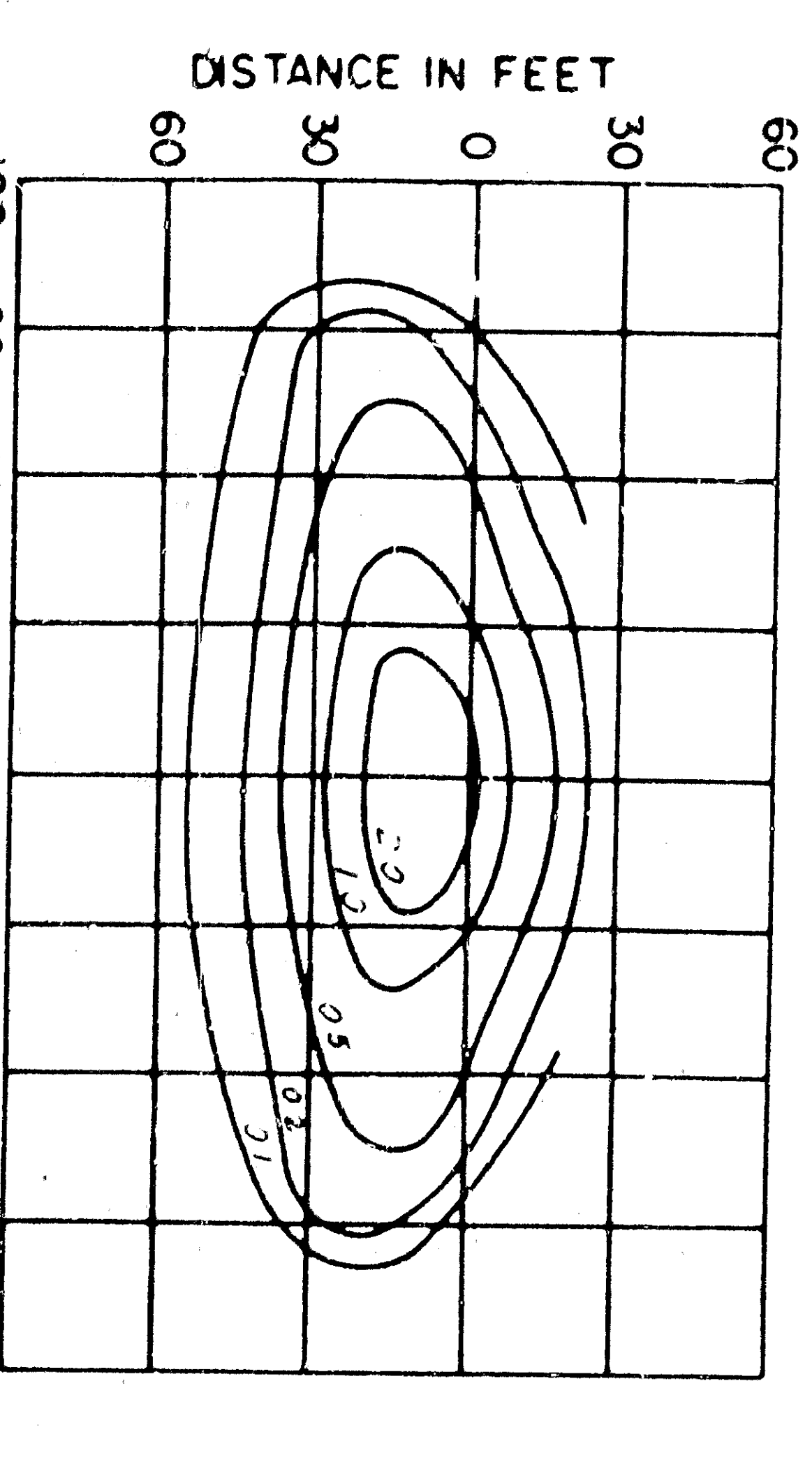


ALTERNATE 600 VOLT "T" SPLICE ELECTRICAL SPRING CONNECTOR

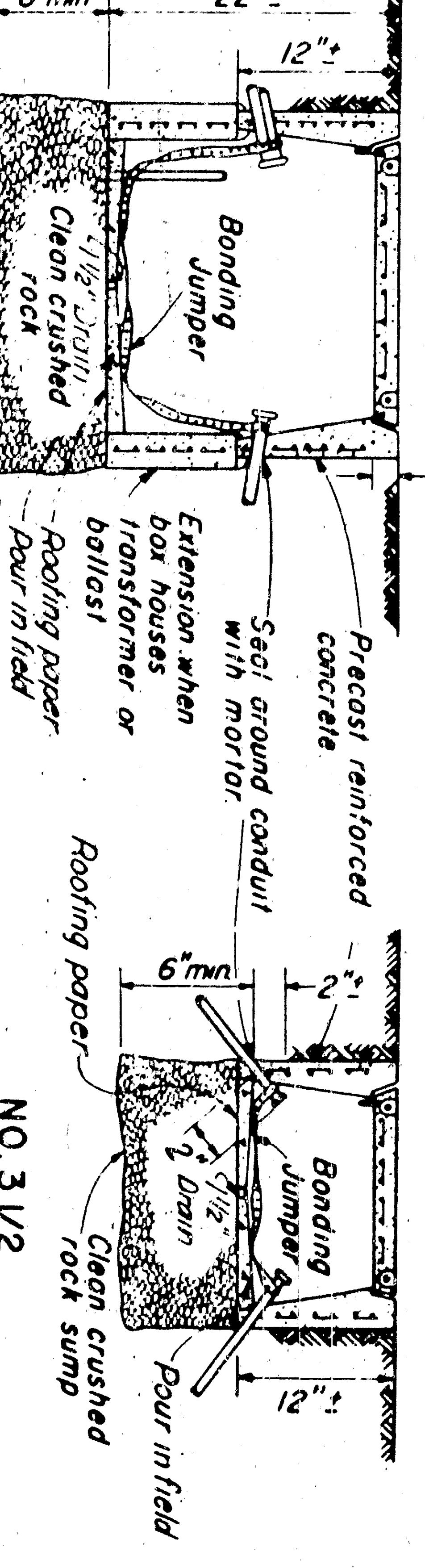
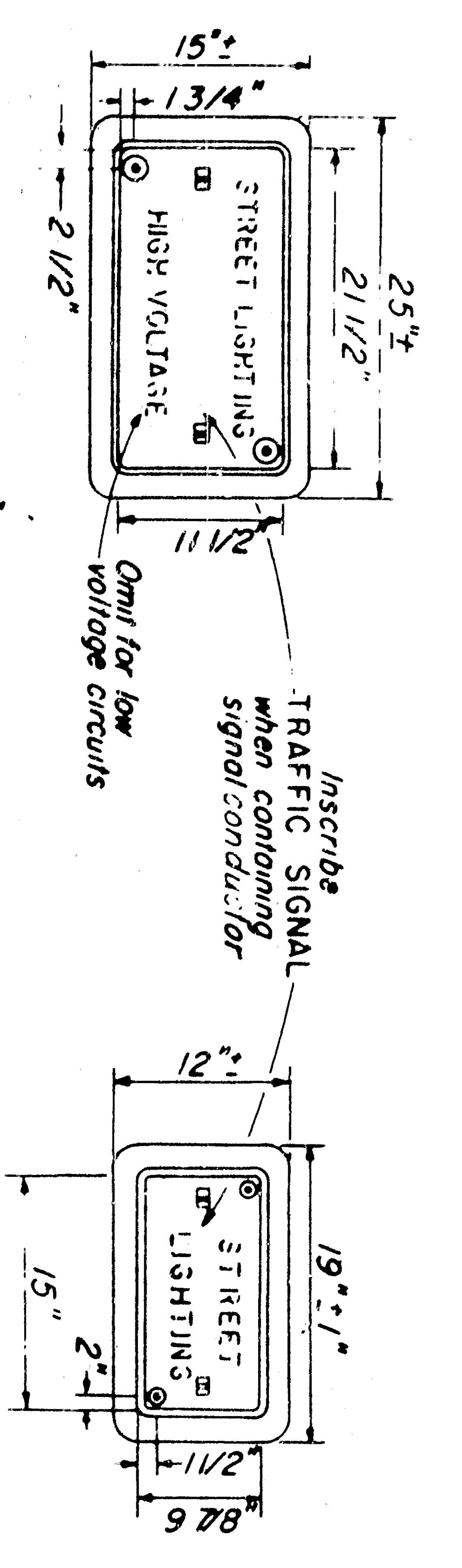
INSULATING METHOD "A"

1. Apply one coat of insulating material over conductor after drying.
2. For Circuits Up to 2000 Volts
3. Apply self-healing synthetic rubber tape (See 1-3 thickness equal to original conductor).
4. For Circuits Above 2000 Volts
5. Apply self-healing synthetic rubber tape (See 1-3 thickness equal to original conductor).
6. Apply one coat of insulating material over conductor after drying.
7. Apply self-healing synthetic rubber tape (See 1-3 thickness equal to original conductor).
8. Apply one coat of insulating material over conductor after drying.

SPLICING DETAILS



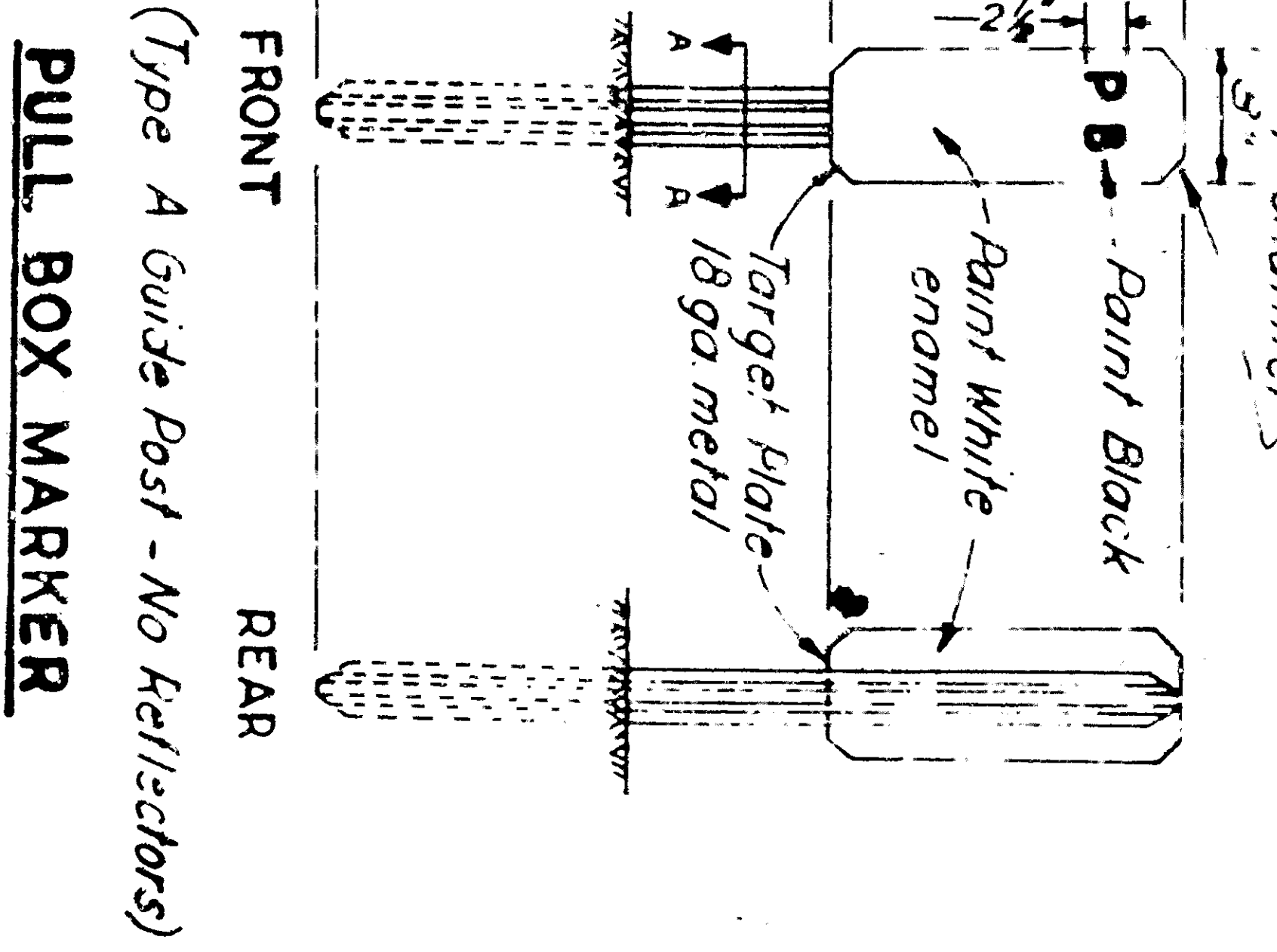
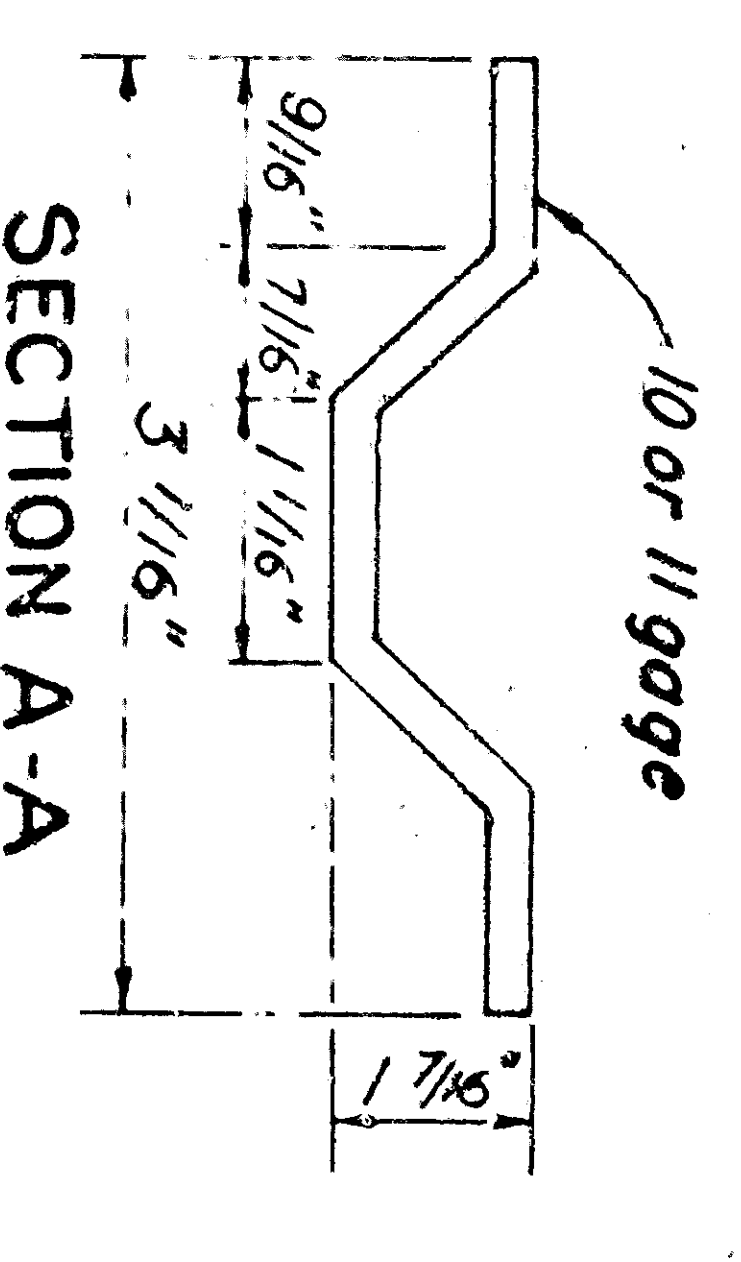
Shielded Highway Lighting Luminaire 30' Mounting Height,
20,000 Lumen Mercury Vapor Lamp
ISOLUX LINES OF MINIMUM HORIZONTAL
FOOT CANDLES
TYPE III



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

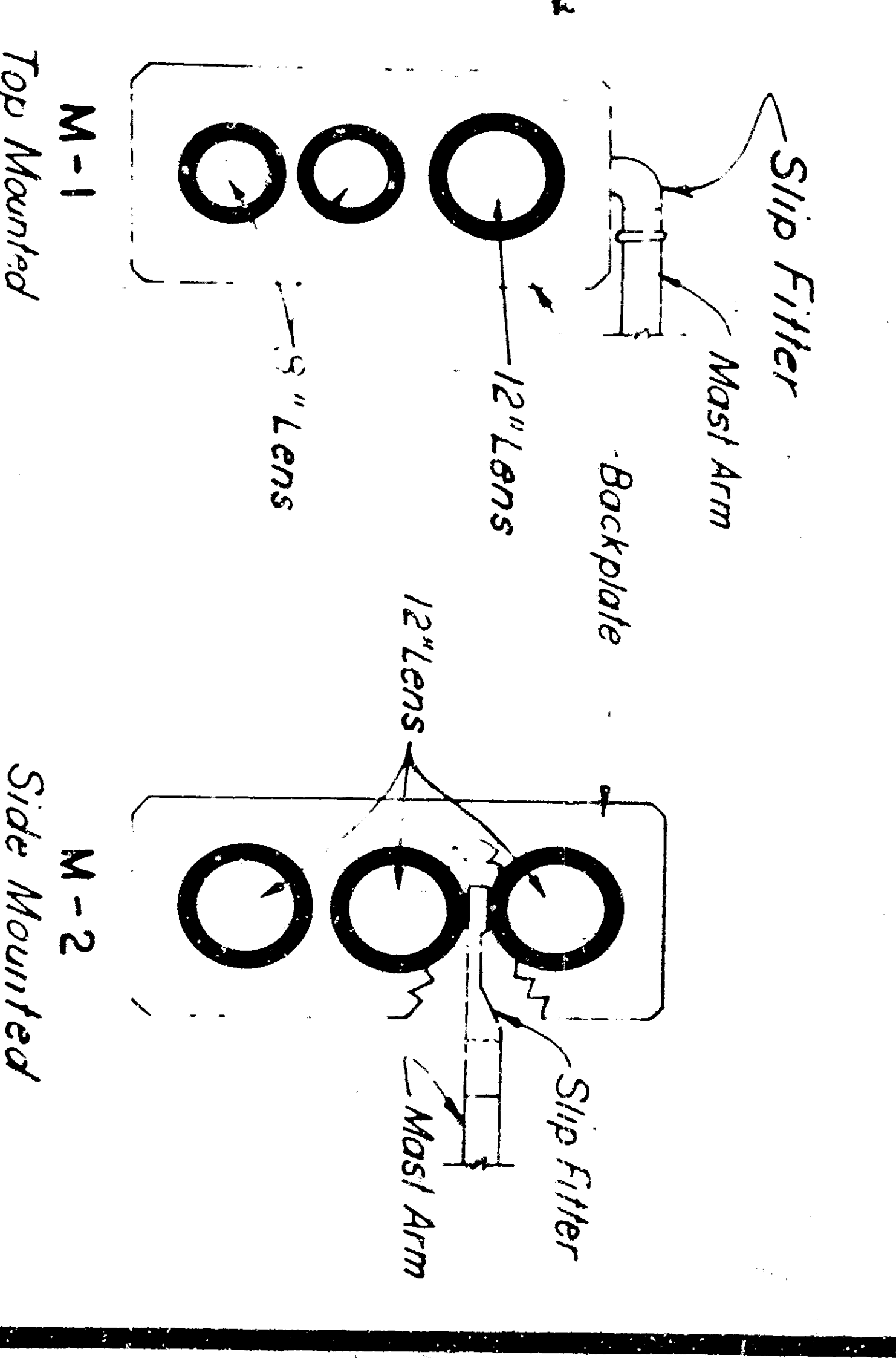
PULL BOXES

NO SCALE



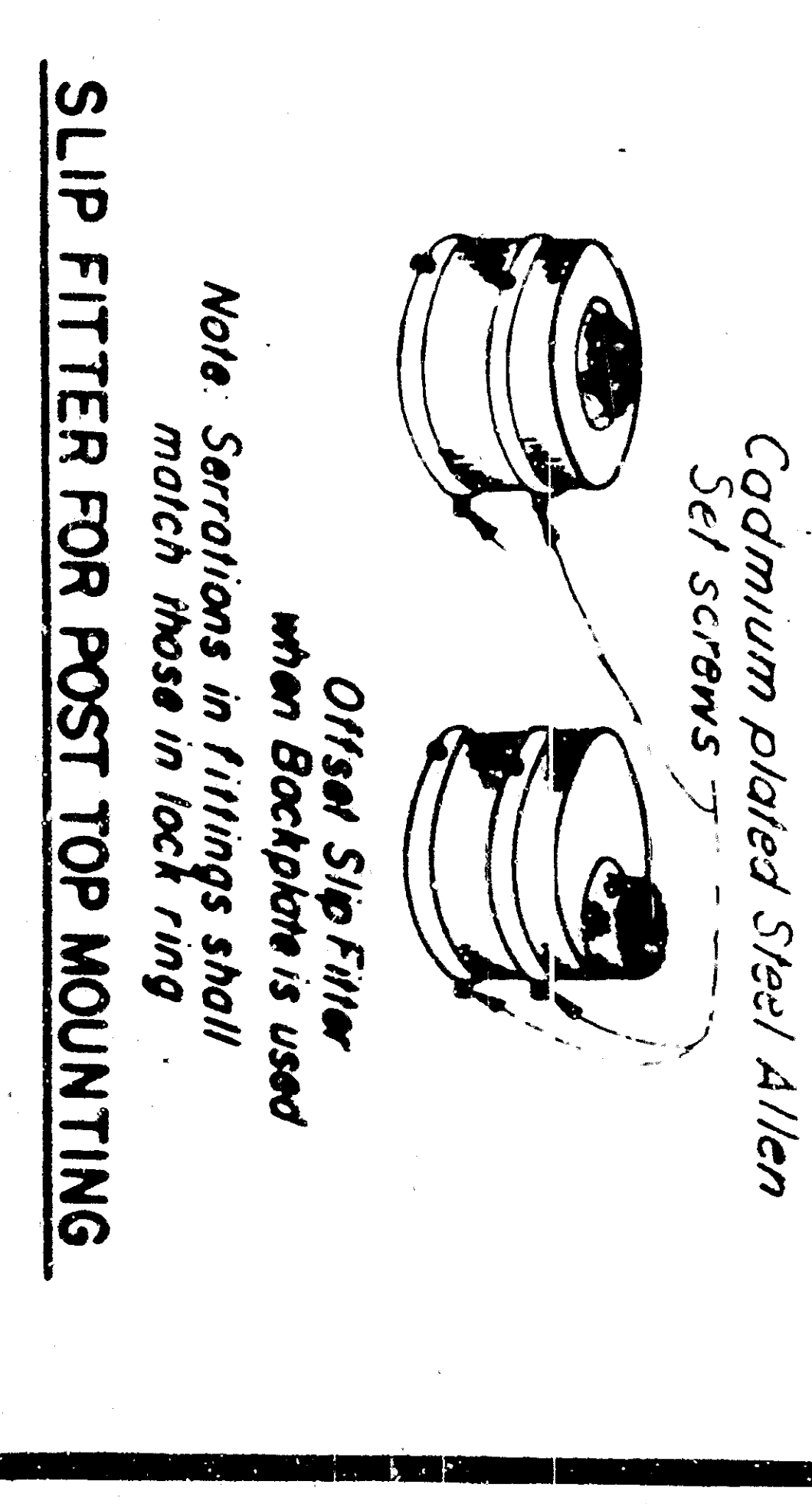
PULL BOX MARKER

NO SCALE

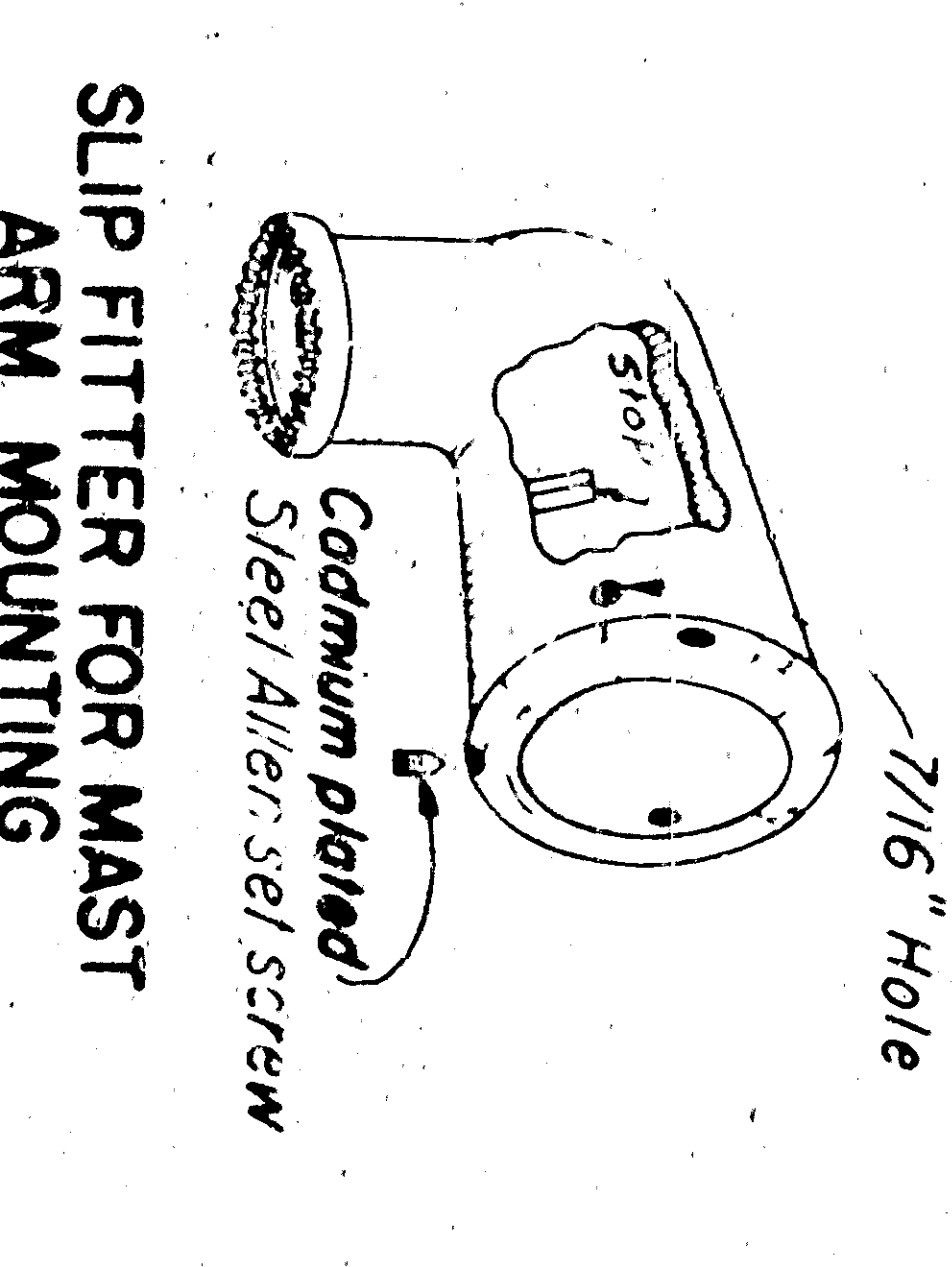


MAST ARM MOUNTING

NO SCALE



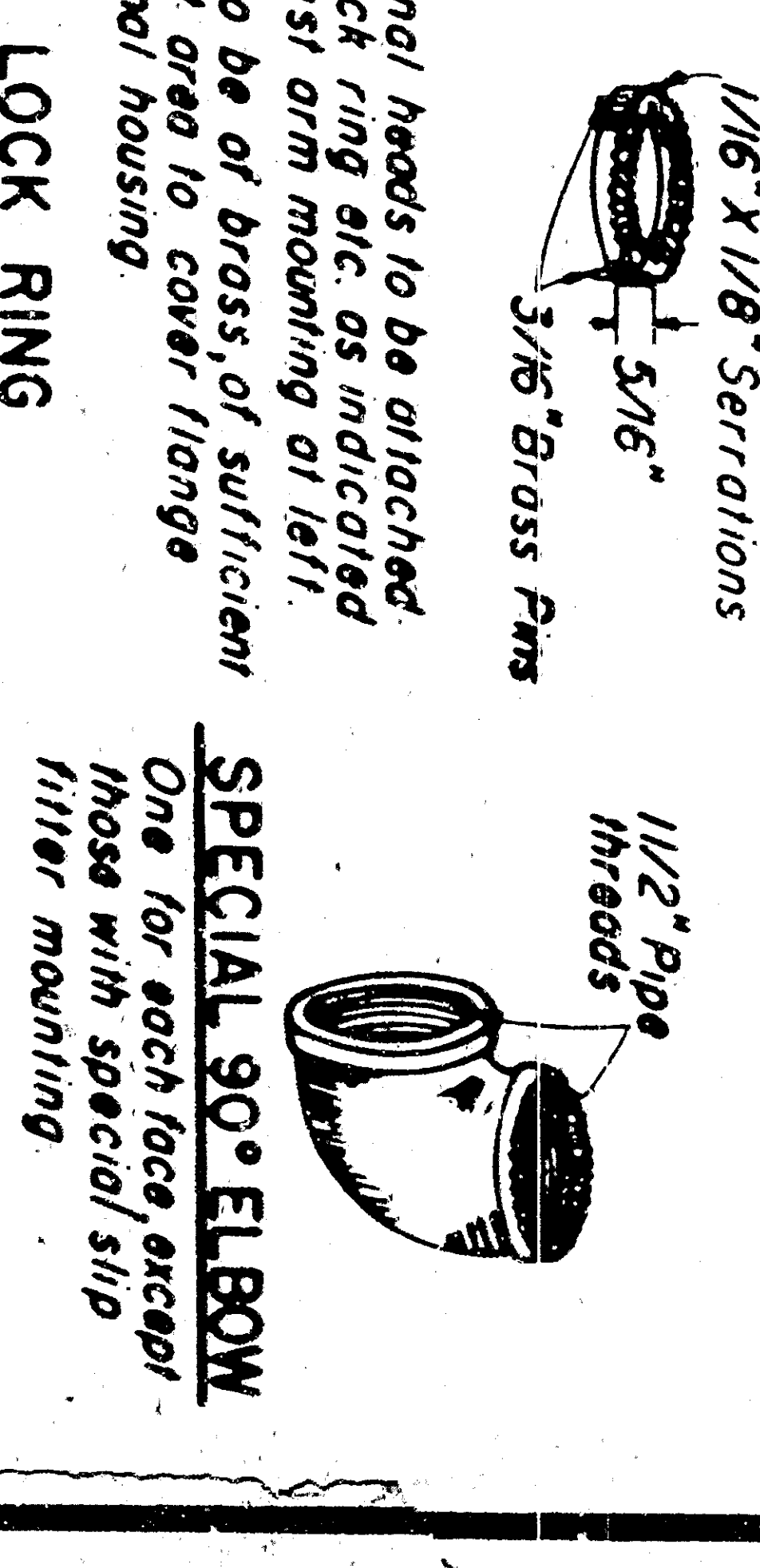
SLIP FILTER FOR POST TOP MOUNTING



SLIP FILTER FOR MAST ARM MOUNTING

SIGNAL HEAD ATTACHMENT DETAILS

NO SCALE



LOCK RING

STANDARD DETAILS NO. 3

TRAFFIC SIGNAL AND HIGHWAY LIGHTING INSTALLATIONS

STATE OF CALIFORNIA	REV DATE 6-7-59
DEPARTMENT OF PUBLIC WORKS	DRAWING NO. E
DIVISION OF HIGHWAYS	SCALE AS NOTED

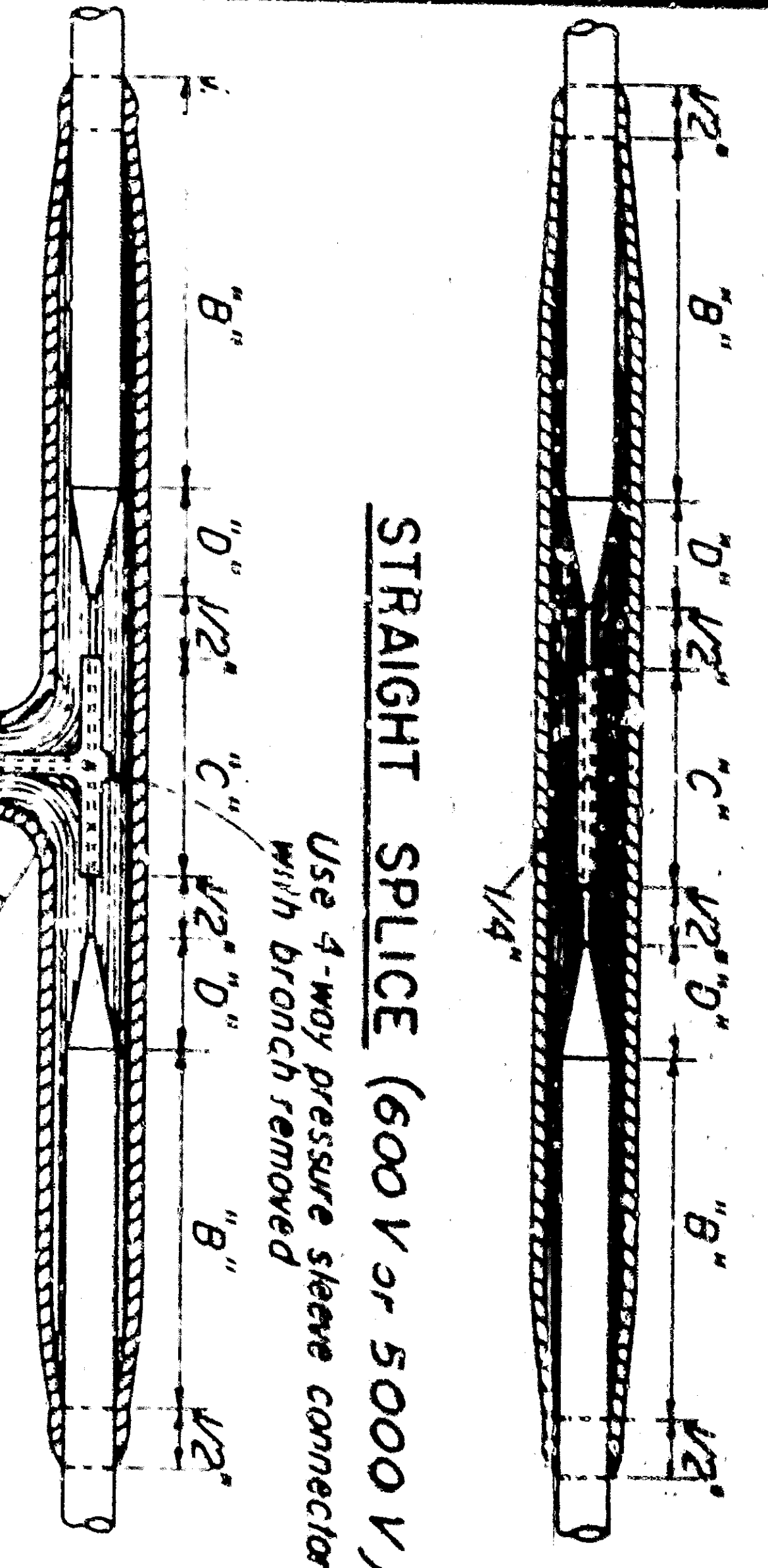
DATE	SCALE	DESIGNER	CHECKER	APPROVED

PROJECT: January 9, 1959

TITLE: STANDARD DETAILS FOR HIGHWAY LIGHTING INSTALLATIONS

TO ACCOMPANY PLAN SHEET

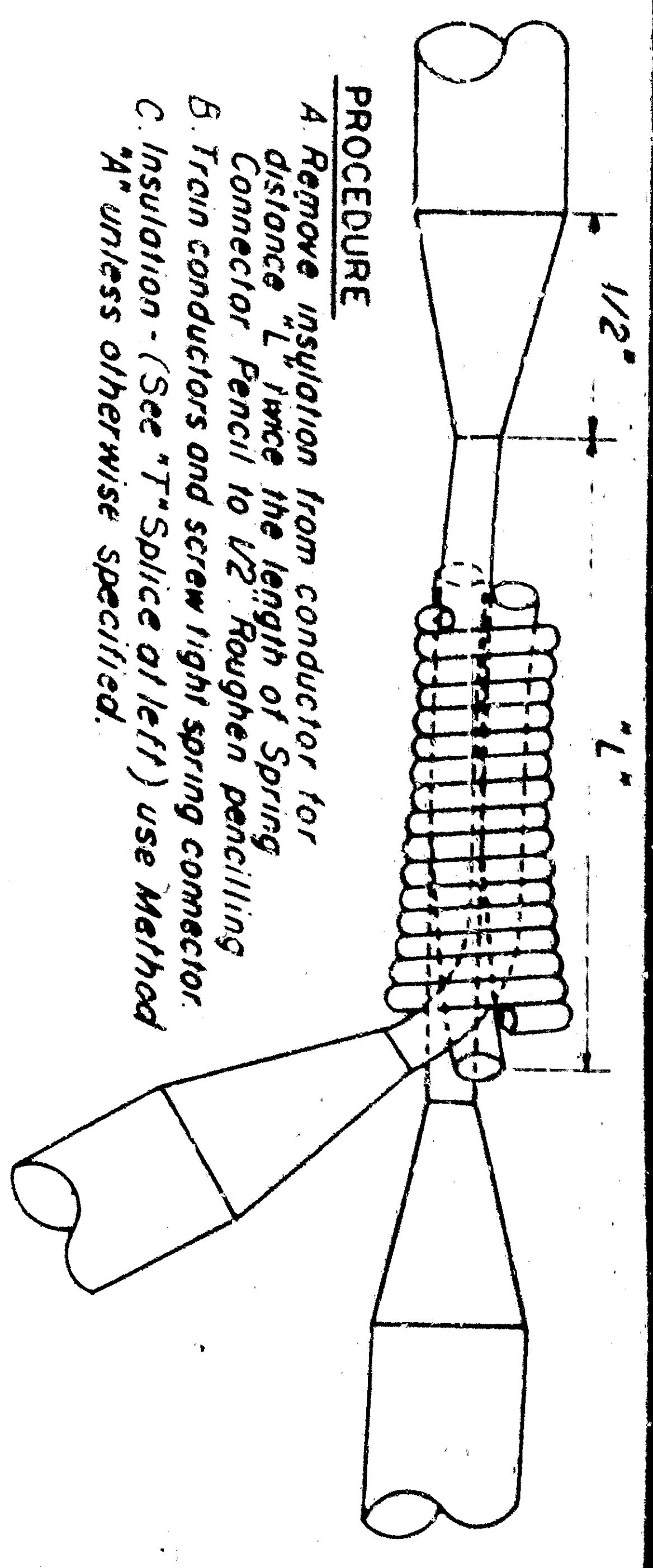
NO.	DATE	REVISION
1		



STRAIGHT SPLICE (600 V or 5000 V)

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

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



ALTERNATE 600 VOLT "T" SPLICE
ELECTRICAL SPRING CONNECTOR

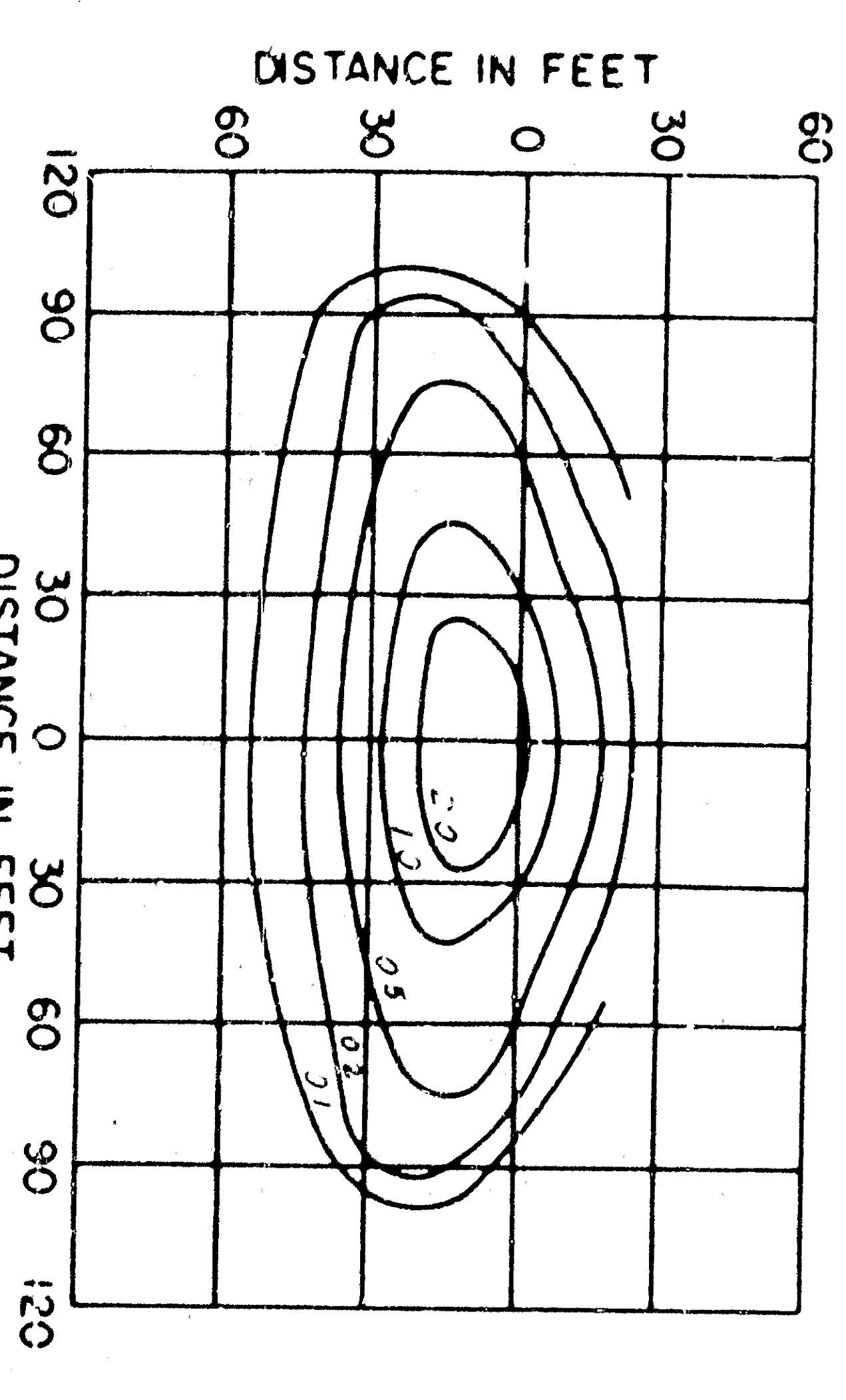
INSULATING METHOD "A"

1. Apply one coat of insulating material over conductor after drying.
2. For Circuits Up to 2000 Volts
3. Apply self-insulating material over the first thickness equal to original conductor.
4. For Circuits Above 2000 Volts
5. Apply self-insulating material over the first thickness equal to original conductor.
6. Apply second coat of insulating material over the first thickness equal to original conductor.
7. Apply the layers of self-insulating rubber tape, half lapped, narrow laps shall be rolled over application with care.

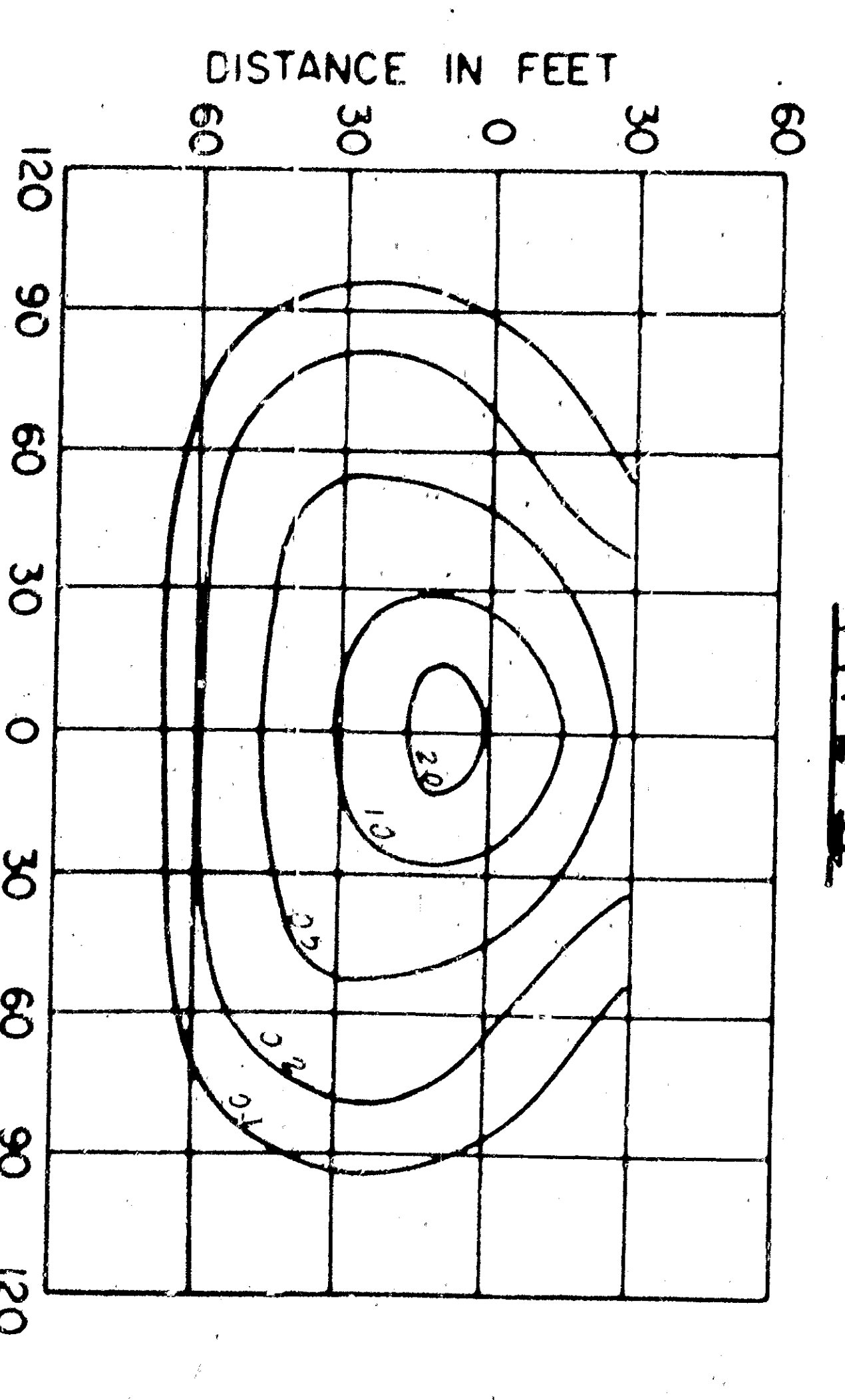
INSULATING METHOD "B"

1. Apply the layers of tape synthetically self-insulating rubber tape.
2. Apply 1/2" thick PVC tape to thickness equal to original insulation.
3. Apply the layers of asphalt-impregnated open meshed fabric tape.
4. Seal splice with same compound as in tape and base in.

SPLICING DETAILS

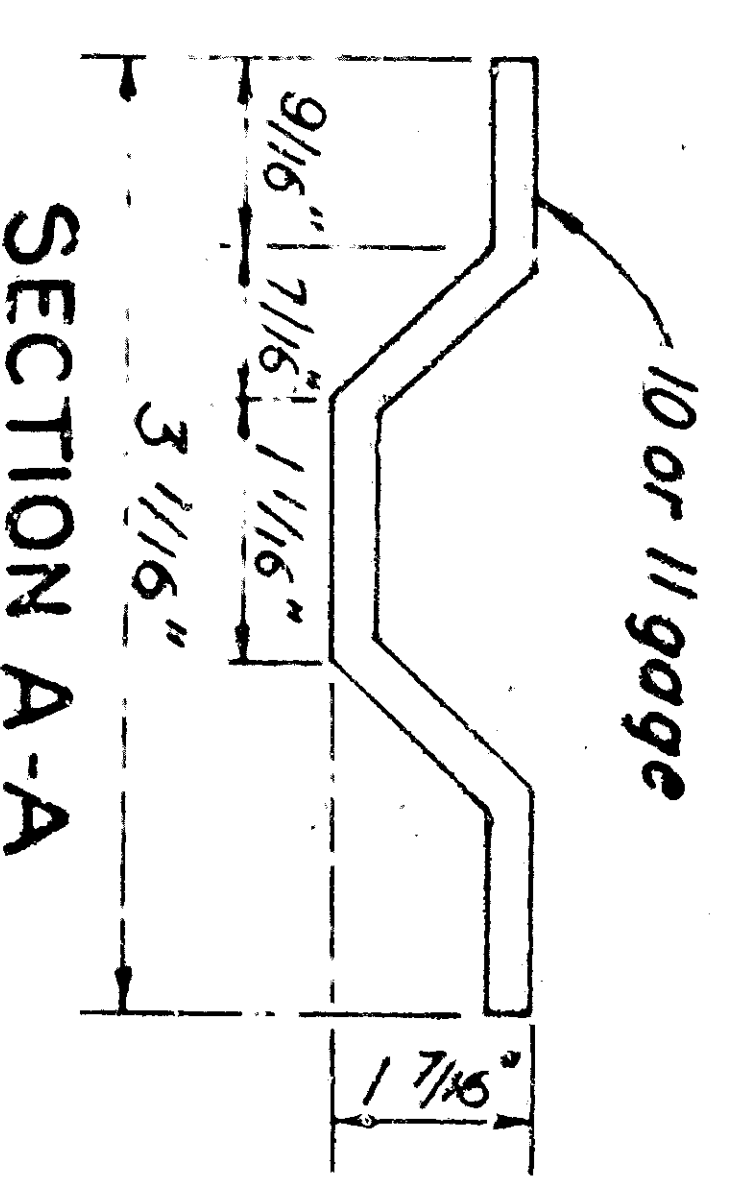


TYPE II

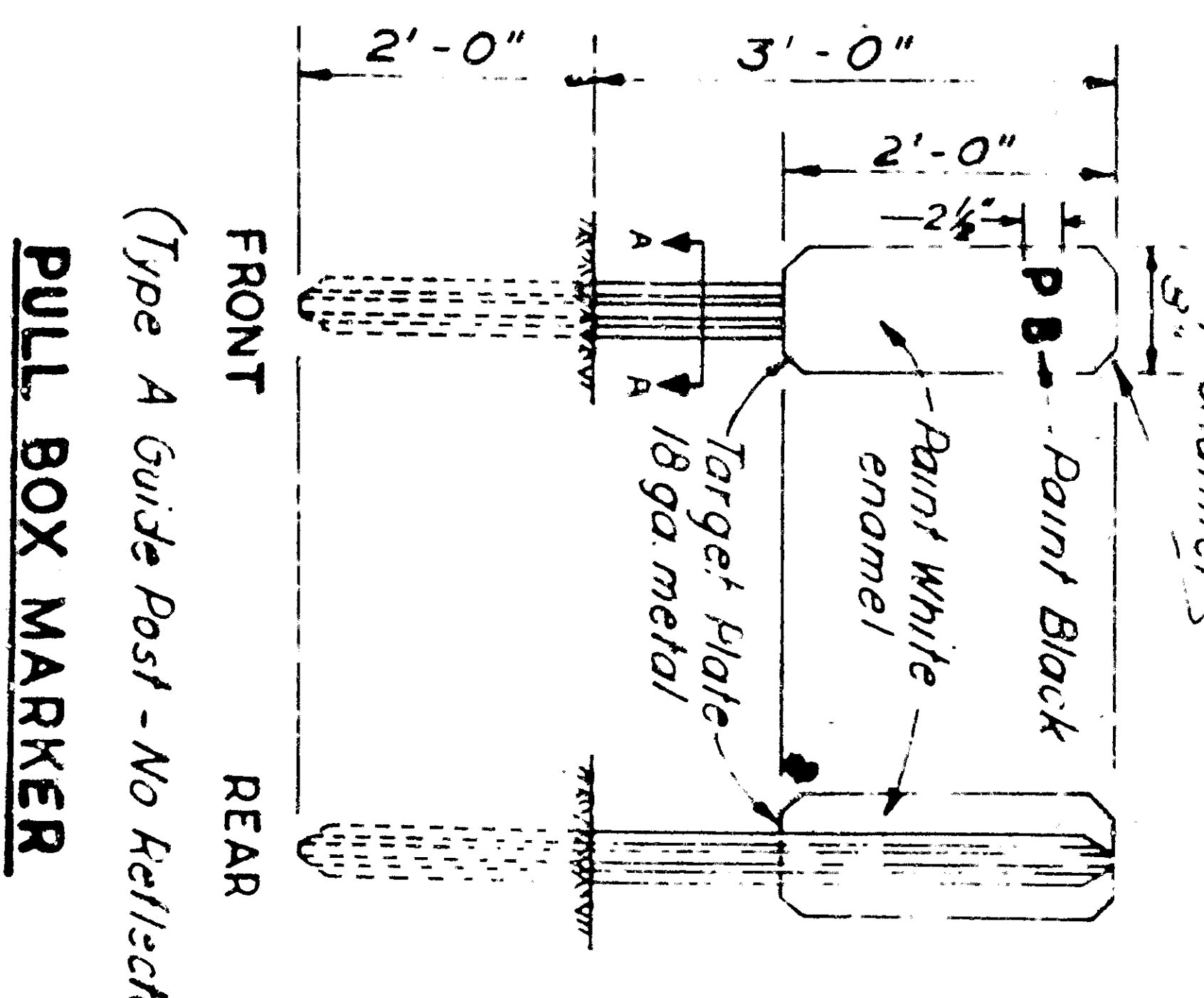


TYPE III

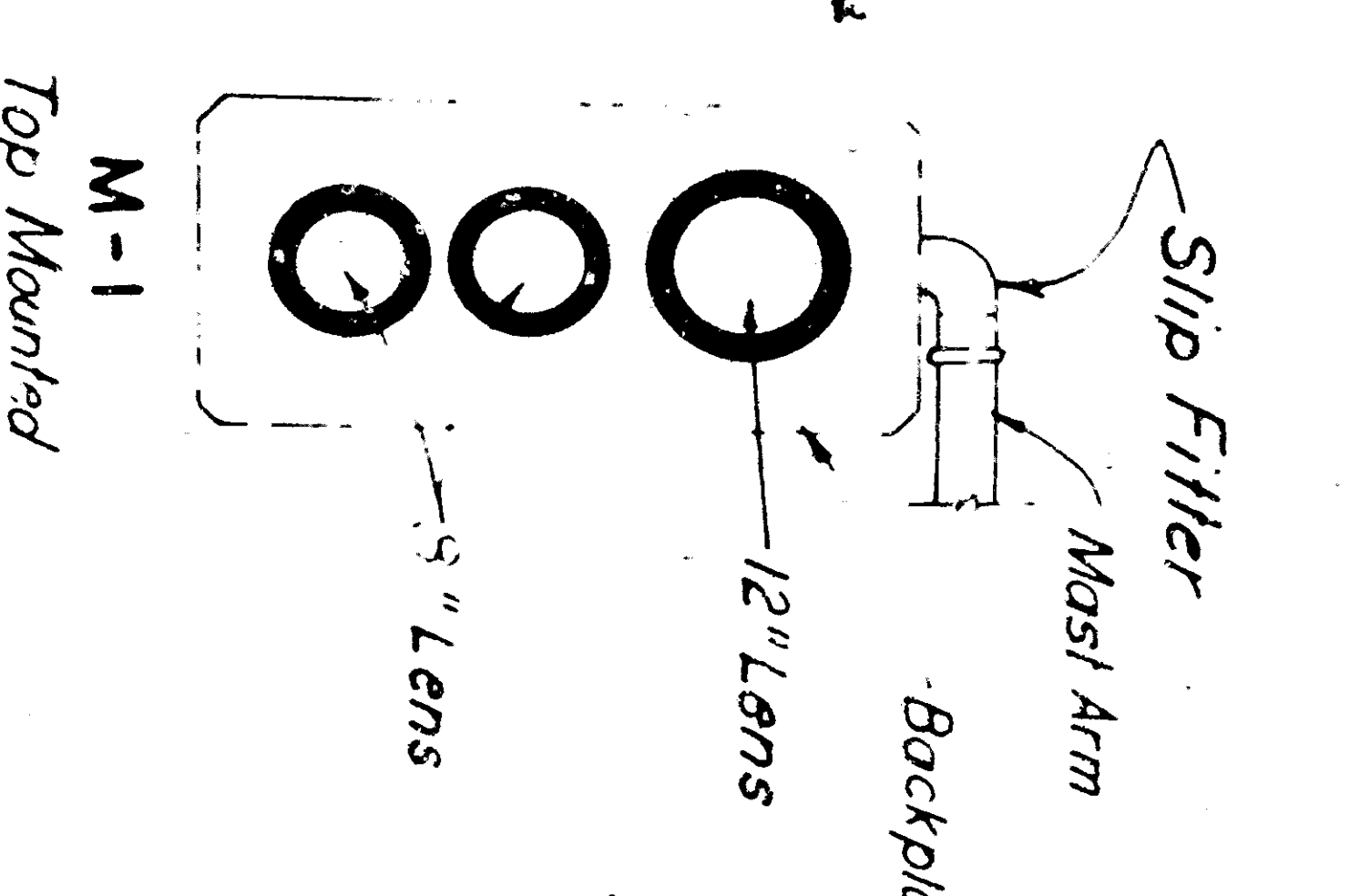
Shielded Highway Lighting Luminaire 30" Mounting Height,
20,000 Lumen Mercury Vapor Lamp
ISOLUX LINES OF MINIMUM HORIZONTAL
FOOT CANDLES



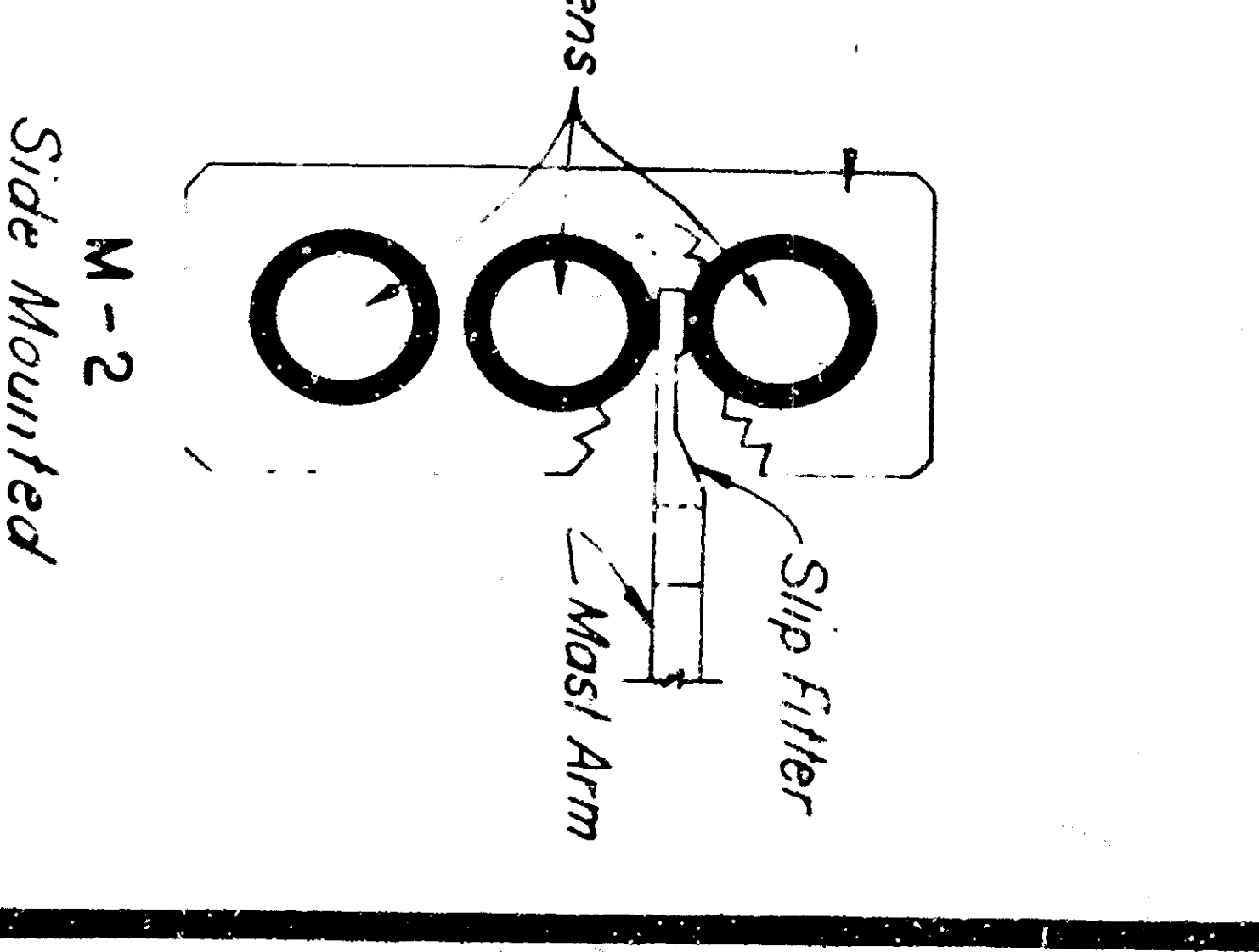
SECTION A-A



PULL BOX MARKER

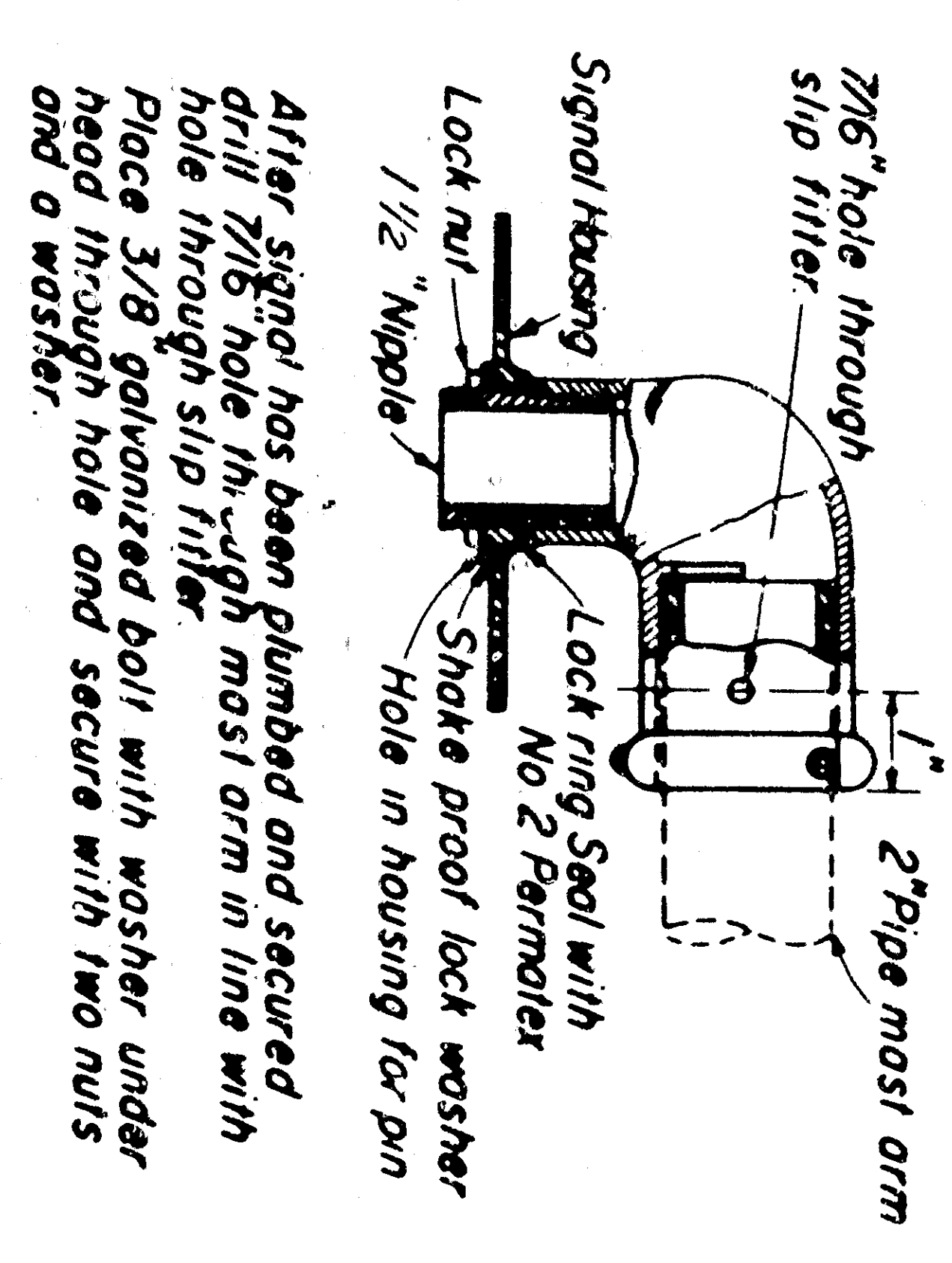


M-1

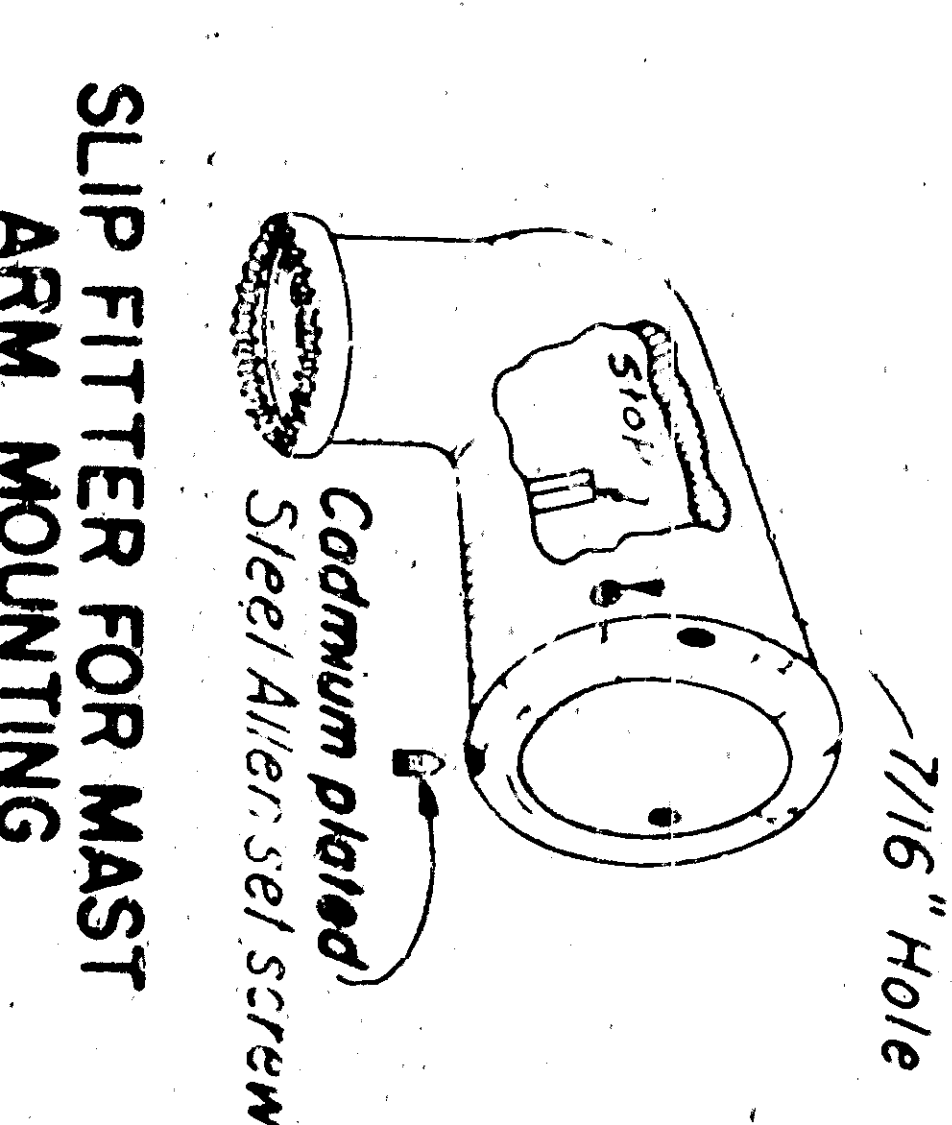


M-2

MAST ARM MOUNTING



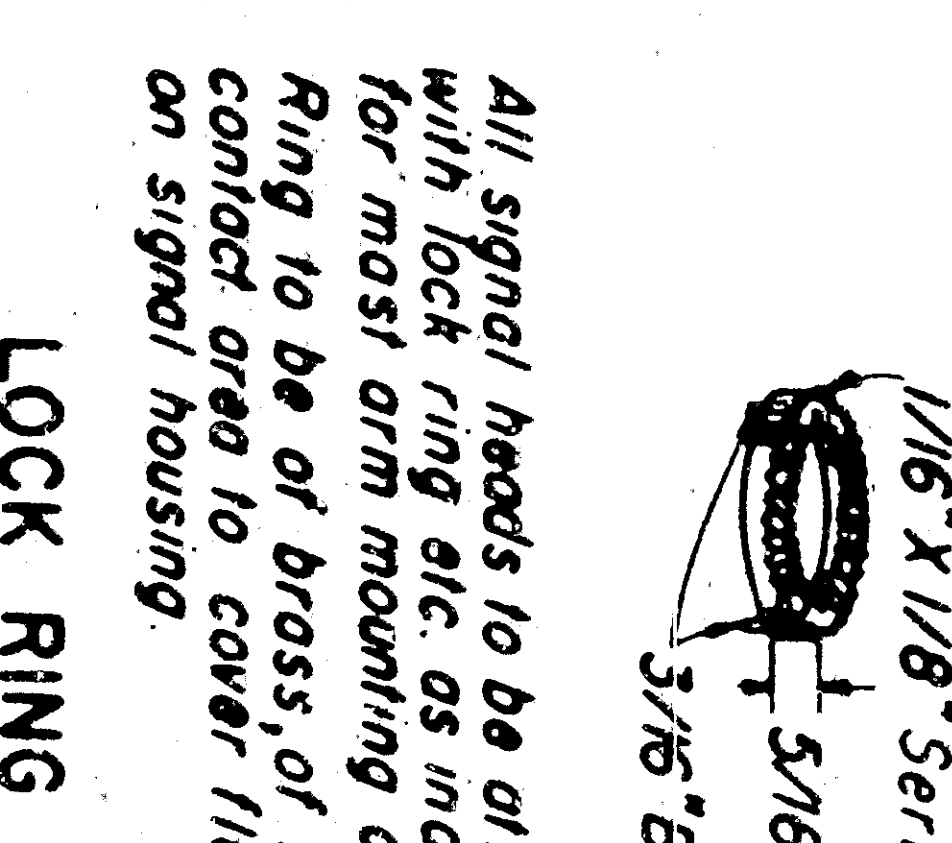
SLIP FILTER FOR POST TOP MOUNTING



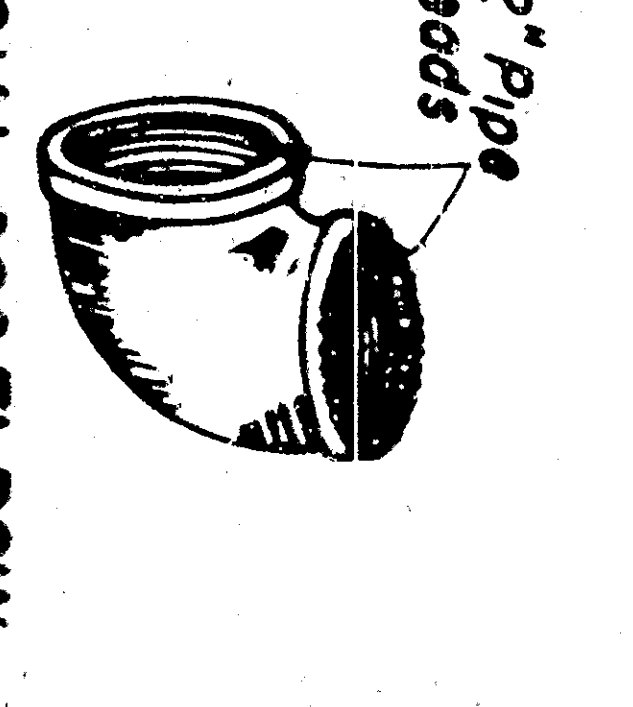
SLIP FILTER FOR MAST ARM MOUNTING

SIGNAL HEAD ATTACHMENT DETAILS

LOCK RING



SPECIAL 90° ELBOW



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 6-7-59
DRAWING NO. E