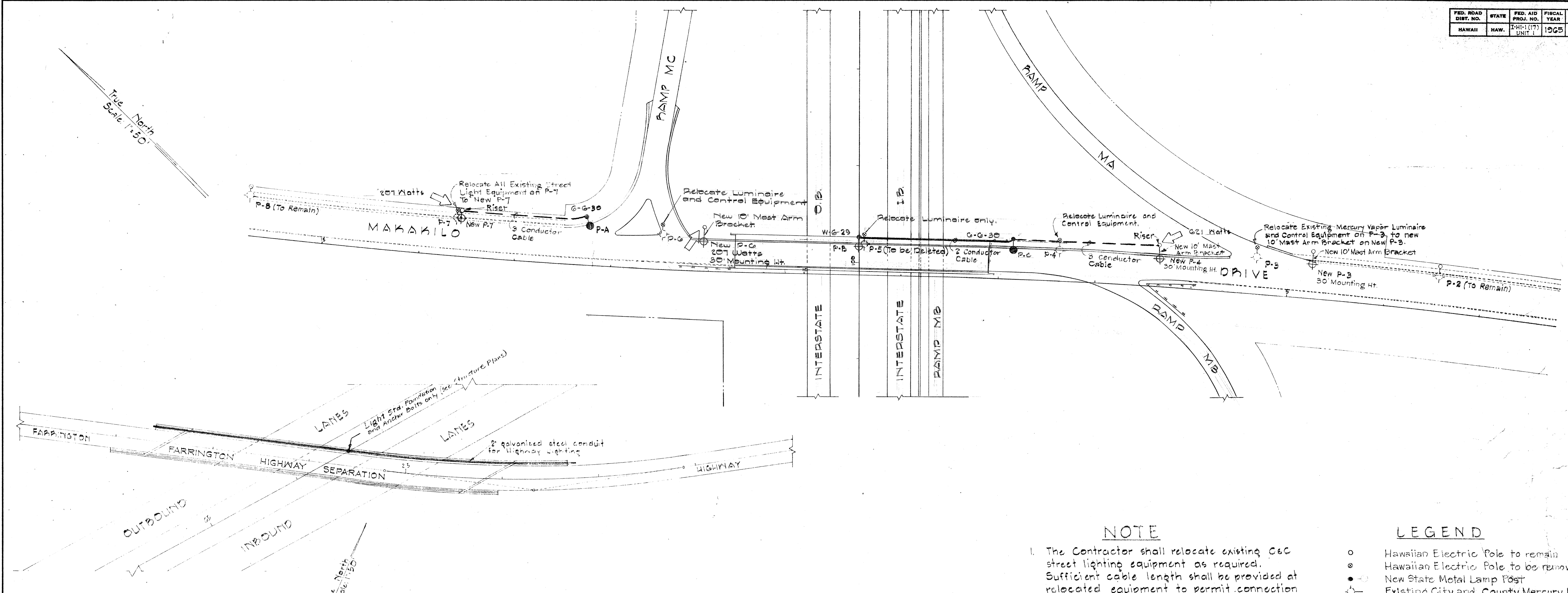


FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HA-1(77) UNIT 1	1965	31	146

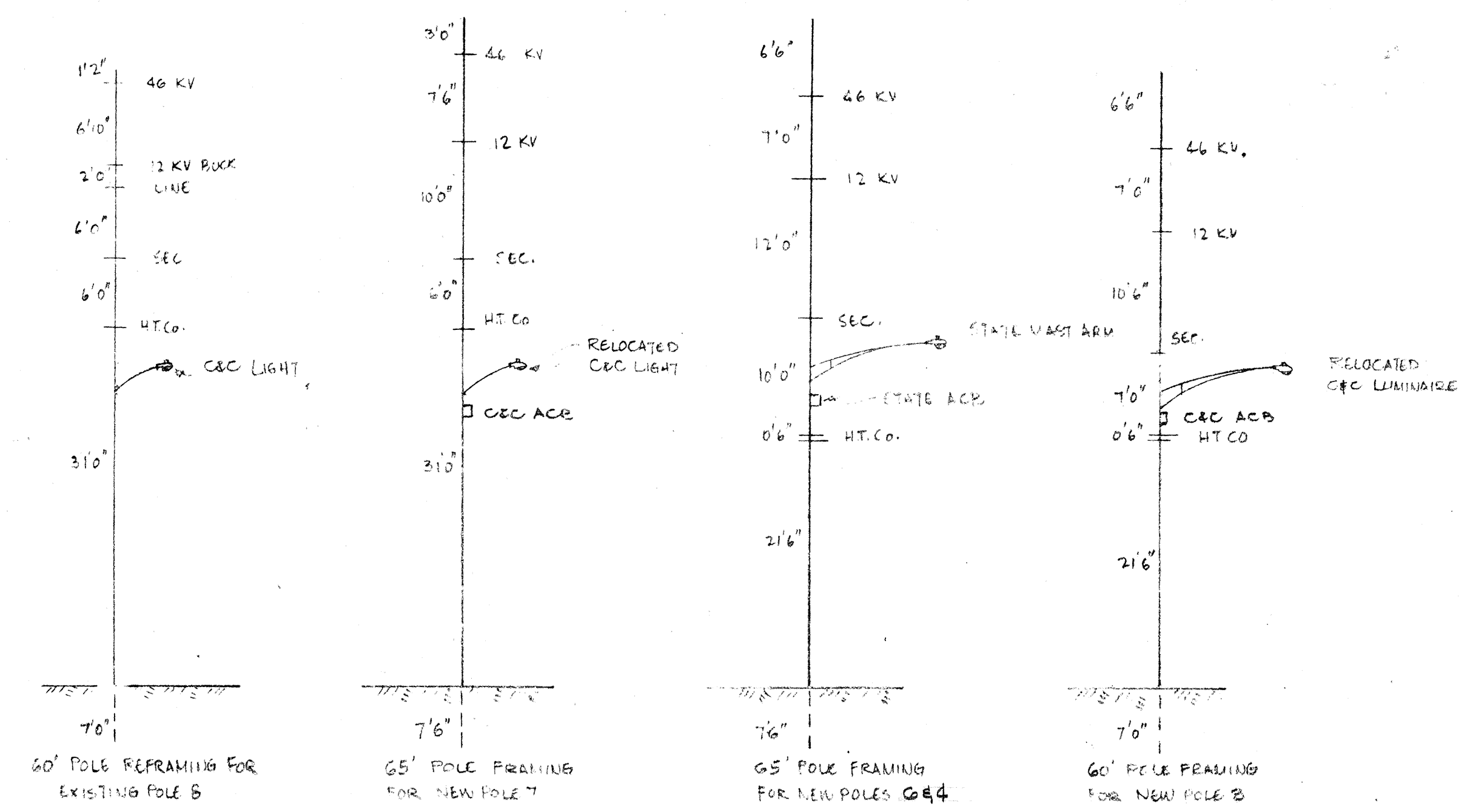


NOTE

1. The Contractor shall relocate existing C&C street lighting equipment as required. Sufficient cable length shall be provided at relocated equipment to permit connection to H.E.Co. secondary cables. The cable shall be considered incidental to the various items of work and no payment will be made thereof.
2. The Contractor shall notify the City and County Division of Street Lighting at least one week prior to doing any work on the C&C system.
3. Conduits in structures shall be incidental to the various items of work and no payment will be made thereof (State 2" conduit).
4. Relocated C&C luminaires shall be mounted at the same height as the existing C&C luminaires or as noted.
5. City and County equipment not incorporated in the work will be removed by the City and County Division of Street Lighting.

LEGEND

- Hawaiian Electric Pole to remain
- ⊙ Hawaiian Electric Pole to be removed
- New State Metal Lamp Post
- ⊕ Existing City and County Mercury Luminaire
- ⊕ Relocated C&C Mercury Luminaire
- New 175 Watt Mercury Luminaire, IES Type II
- Direct Burial Cable
- Rigid Steel Conduit, 2"
- ⊕ H.E.Co. Service Point. Total Watts As Indicated. Circuit Breaker Required
- G-G-30 Indicates Face of Lamp Post 6' Back of Face of Curb, with 6' Bracket and 30' Nominal Luminaire Mounting
- W-G-29 Indicates Lamp Post Foundation Is Part of Structure, with 6' Bracket and with 29' Nominal Height from Pole Base to Luminaire Center



SURVEY PLOTTED BY	DATE
DRAWN BY	
TRACED BY	
QUANTITIES BY	
CHECKED BY	
ORIGINAL PLAN	
NOTE BOOK	
No.	

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

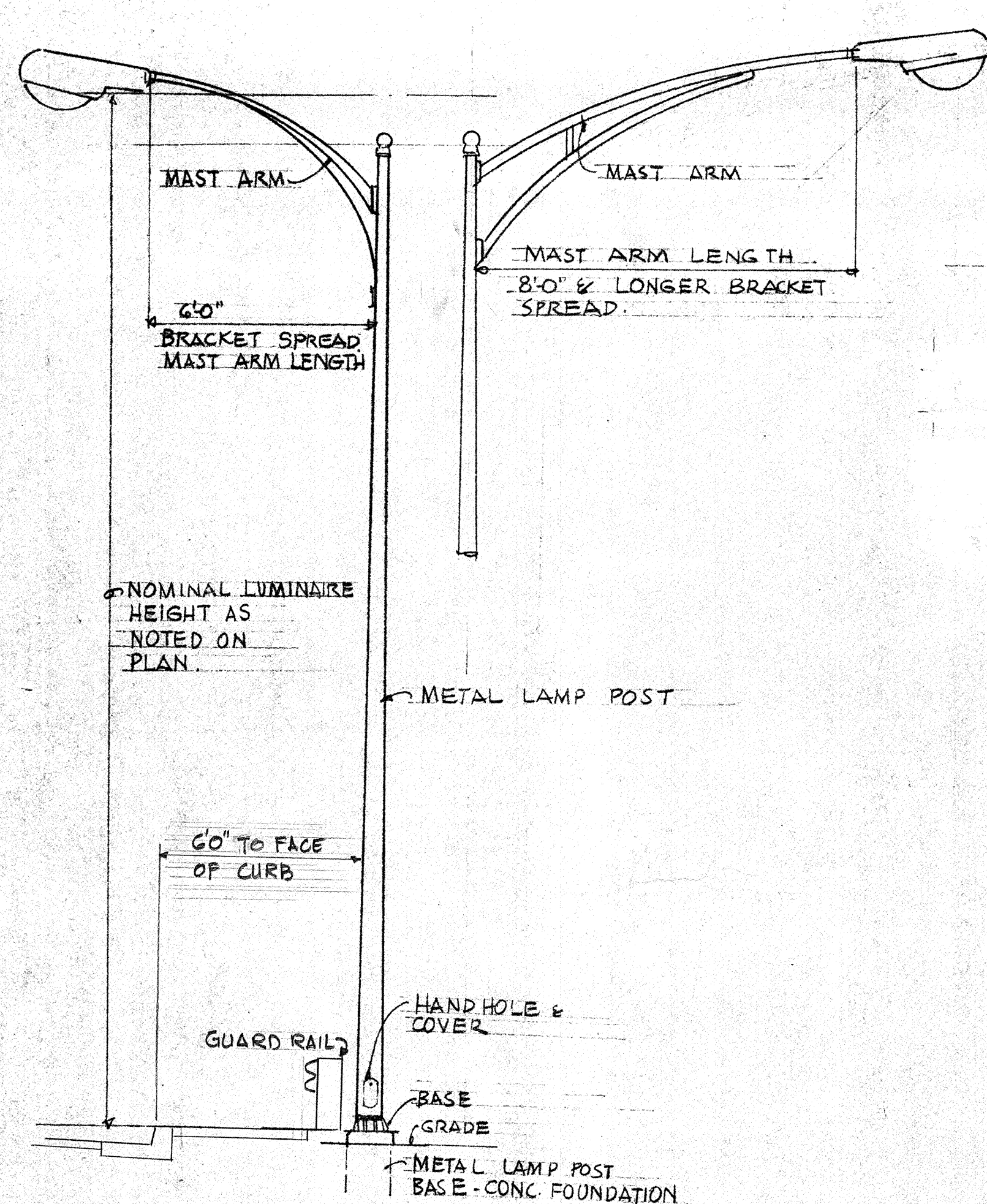
HIGHWAY LIGHTING SYSTEM

INTERSTATE ROUTE H-1

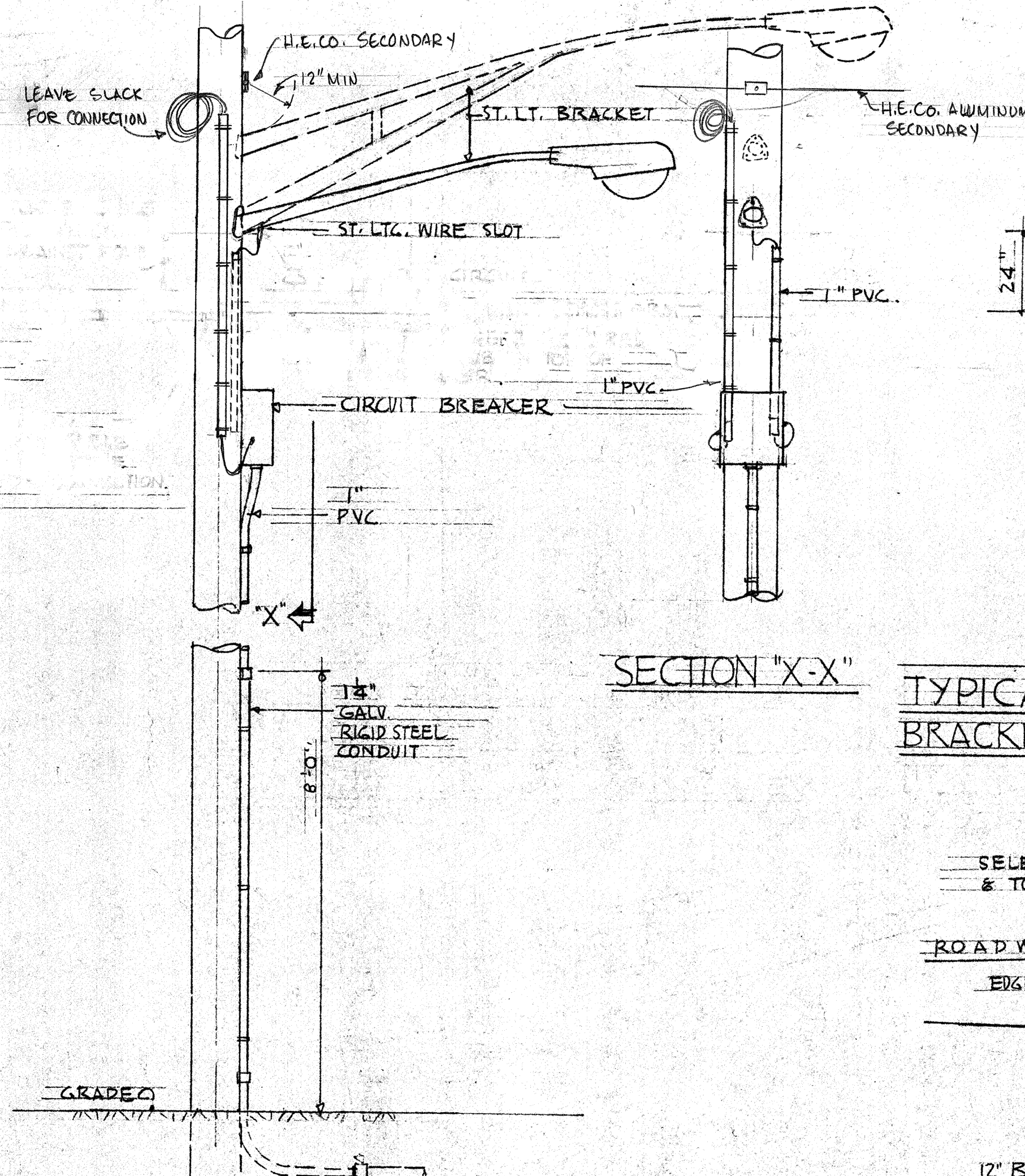
Scale: 1" = 50' Date: Sept. 1964

SHEET NO. 1 OF 2 SHEETS

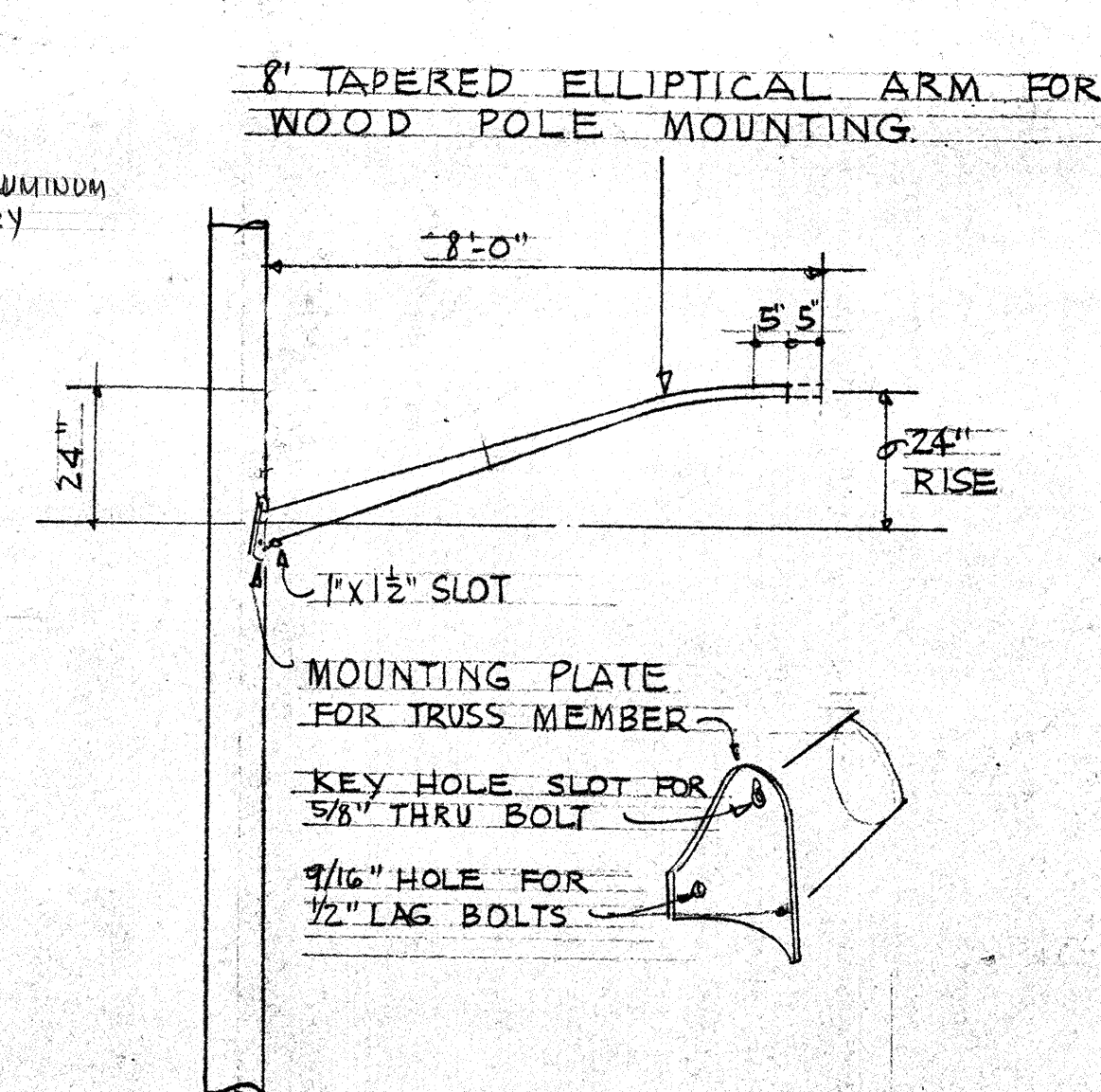
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-41-1(17) UNIT 1	1965	32	146



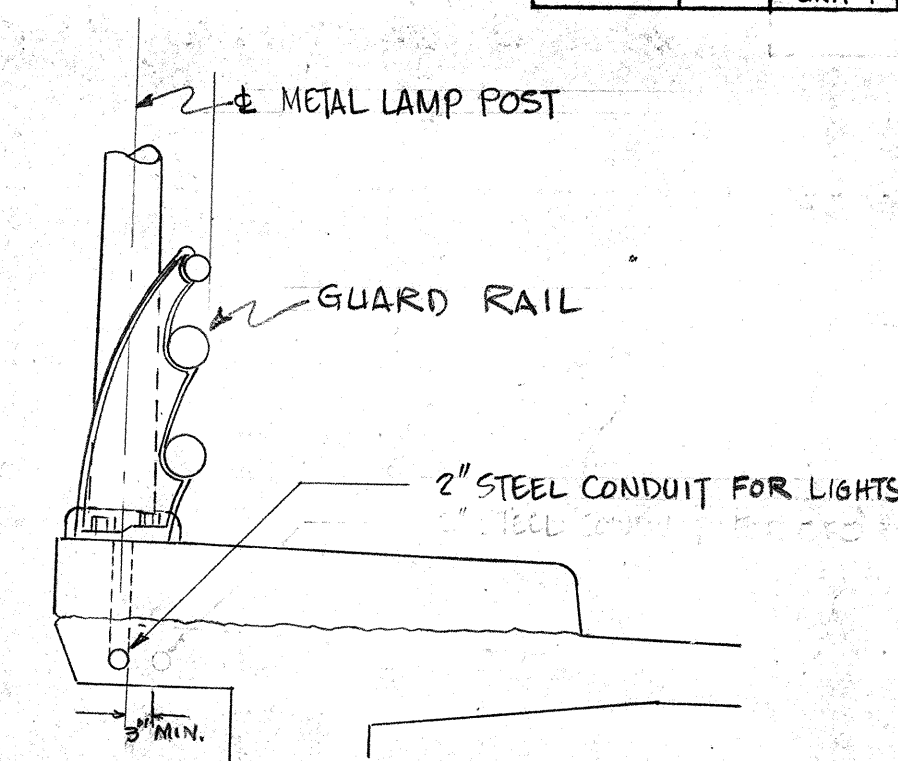
TYPICAL STREET LIGHTING
METAL LAMP POST
NOT TO SCALE



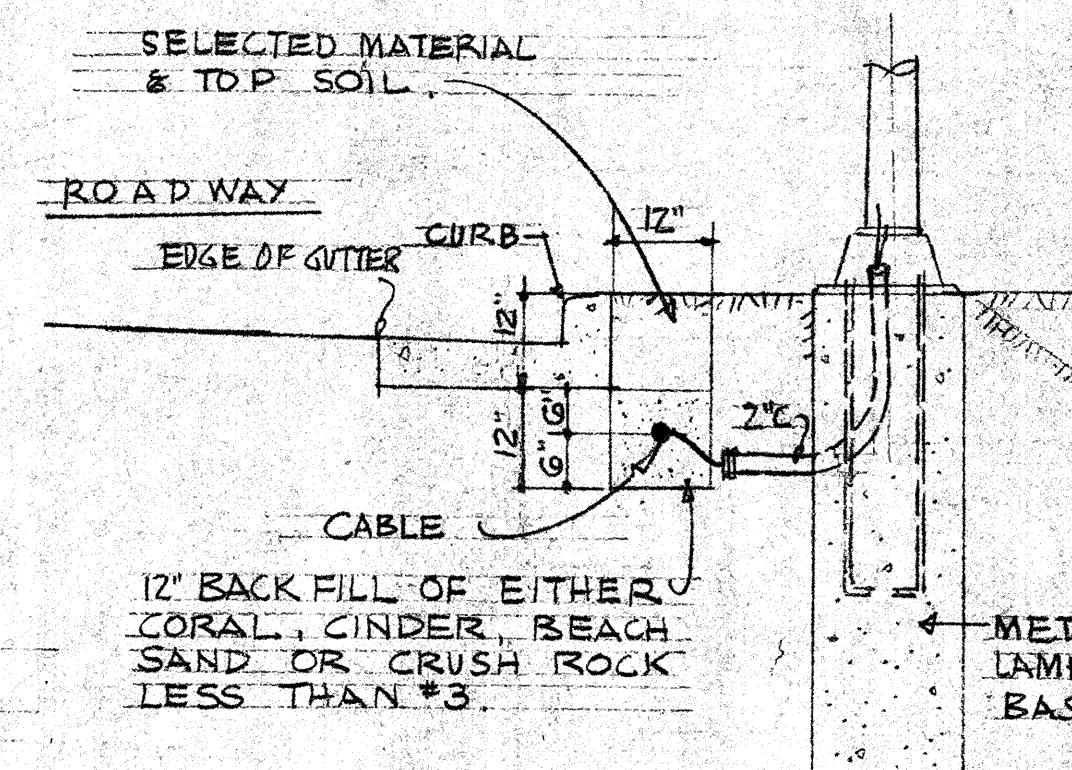
TYPICAL LOCATION OF STATE EQUIP.
ON WOOD POLE. 
NOT TO SCALE:



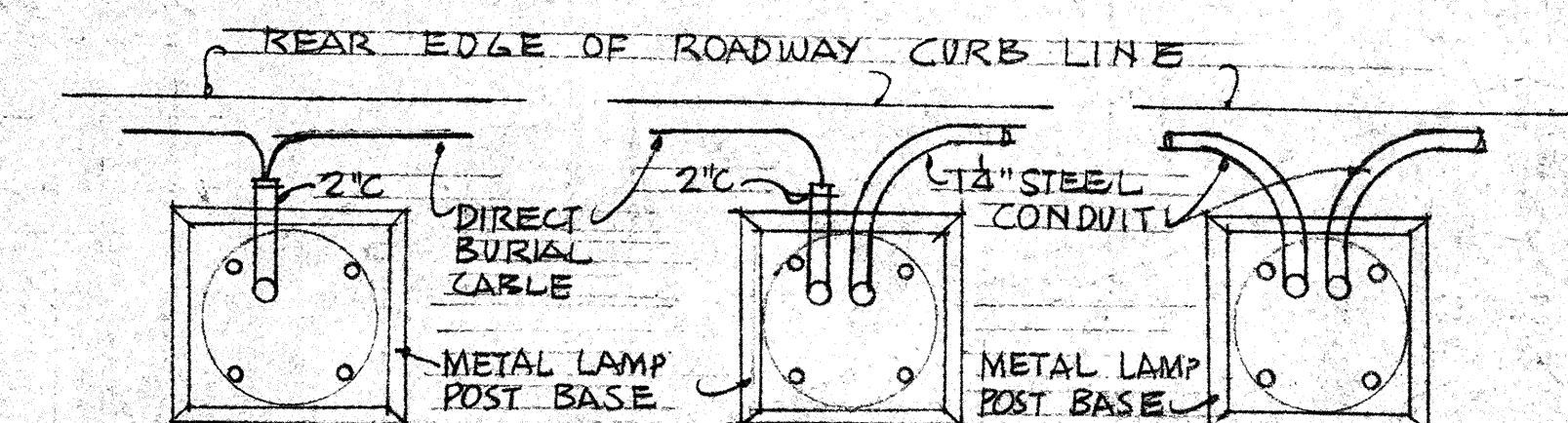
TYPICAL STREET LIGHT - 8 FT.
BRACKET INSTALLATION



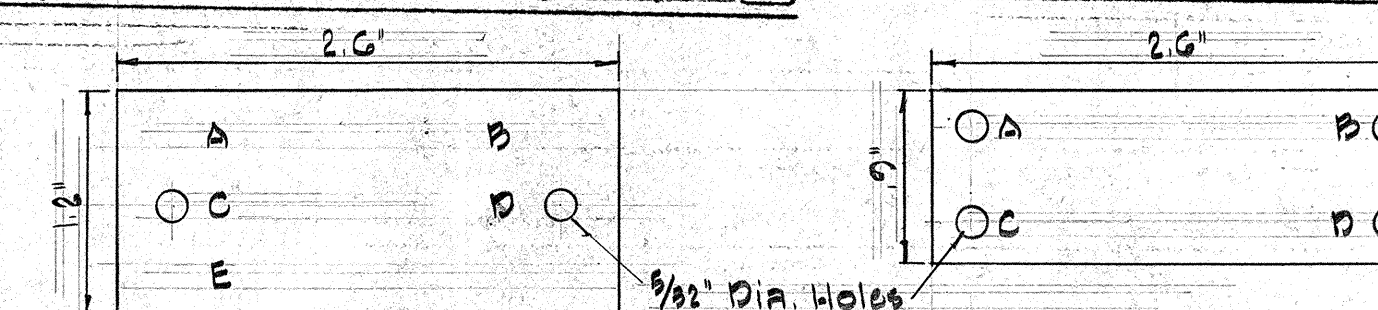
TYPICAL LOCATION OF 2" GALV.
STEEL CONDUIT IN STRUCTURES
NOT TO SCALE



DIRECT BURIAL CABLE DET. $\frac{C}{E}$
SCALE: $\frac{1}{2}'' = 1'-0''$



CONDITION #1 CONDITION #2 CONDITION #3
SEE LAYOUT PLAN FOR CONDUIT CONDITION
METAL LAMP POST CONDITIONS DETAIL



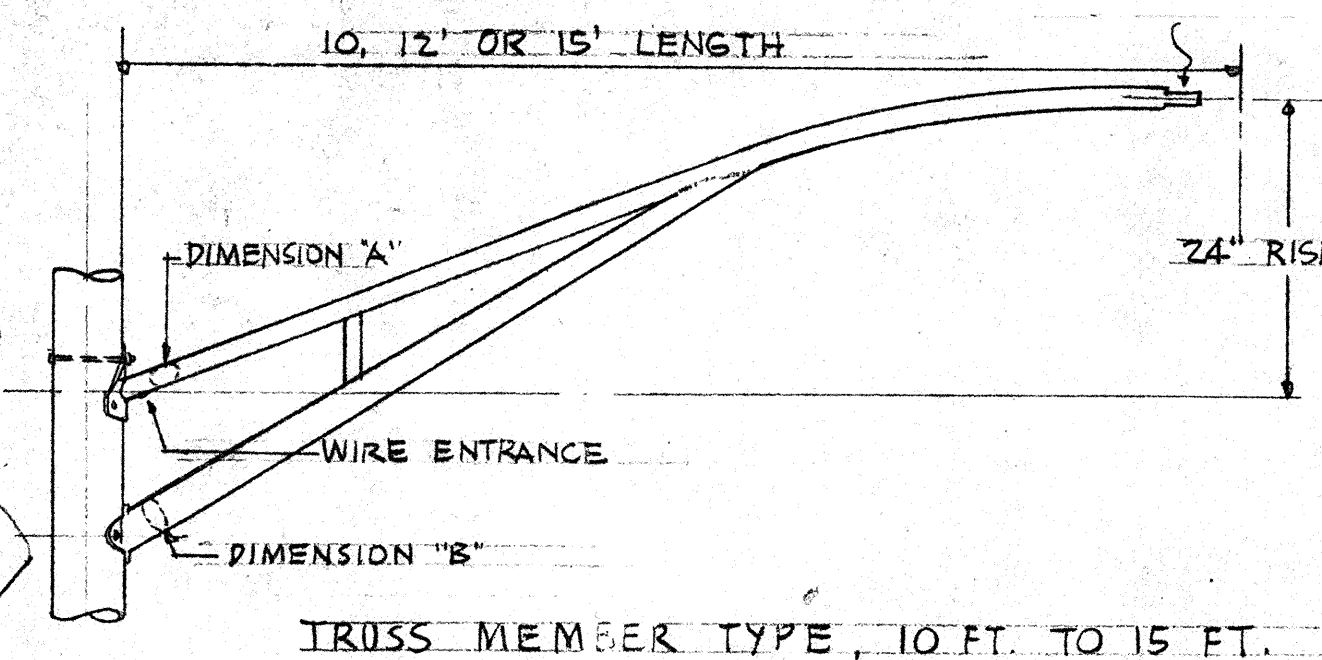
LEGEND

- A = Contract Number. Obtain from State or H.E.Co. Ltd.
- B = Light Number. From Contract Drawings, State or H.E.Co.
- C = Lamp Data. See Note *b Below
- D = Refractor Data. Use Roman Numeral "BS" Type as indicated on Drawing or in specifications 1-8.

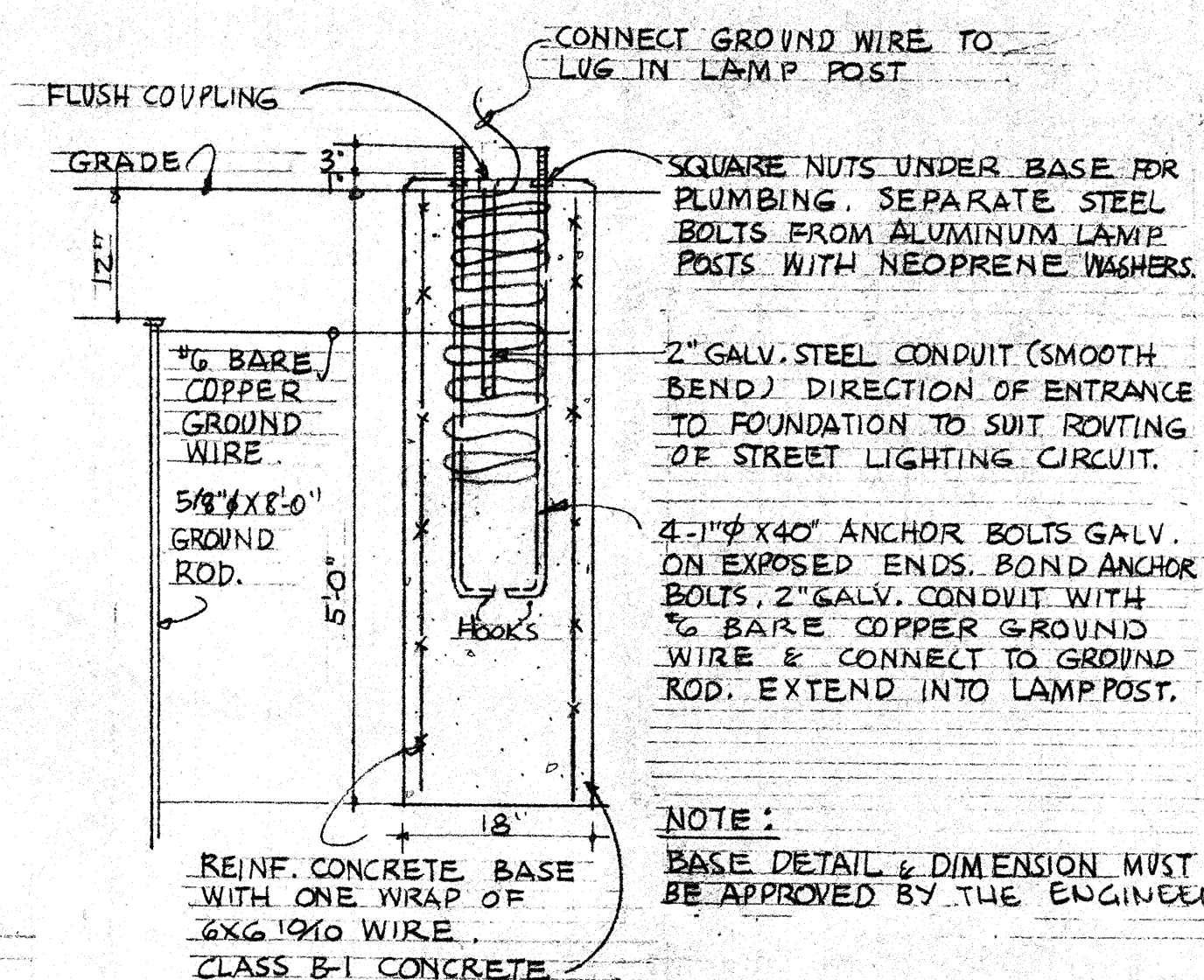
NOTES:

1. Make from Laminated "Gravelon" Black on White.
2. Attach to Aluminum Post with N8 T. Aluminum Drive Screws. Attach to Steel Post with N8 T Cad. Plated Drive Screws. Attach to Wood Poles with 4D Aluminum Nails.
3. Attach G'-O' Above Curb; if no Curb G'-O' Above Finish Grade.
4. Letters N-8 Production, 1/8" Engraved or Stenciled.
5. Attach to all Poles with State Multiple System Luminaires, Lamp Data Code, W 175 (175 Watt).

MULTIPLE STREET LIGHTING IDENTIFICATION TAG

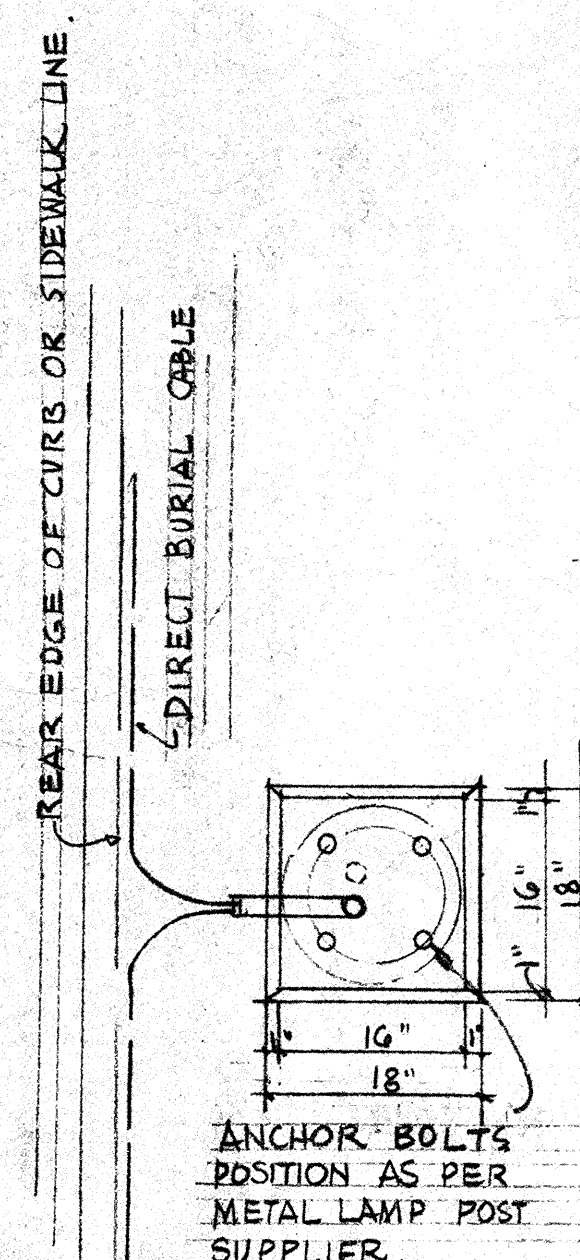


2. MOUNTING PLATE
FOR TRUSS MEMBER
TAPERED ELLIPTICAL
ARM

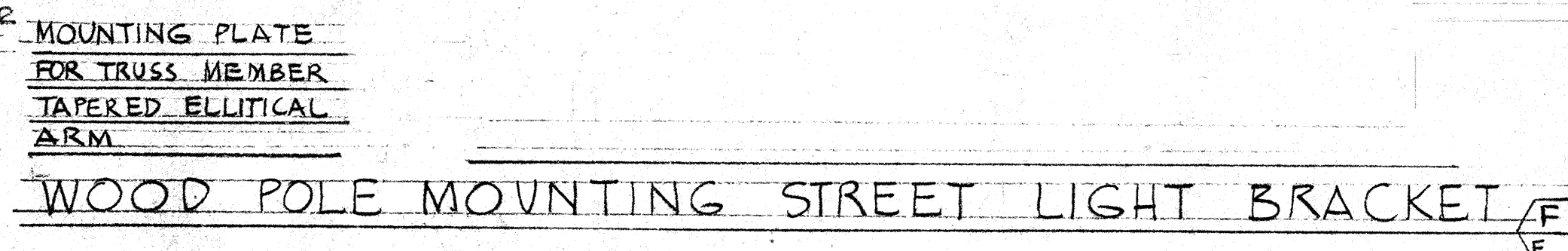


SECTION - 508.12 - 1.0"

TYPICAL LAMP POST BASE



PLAN
SCALE 1/2" = 1'-0"



WOOD POLE MOUNTING STREET LIGHT BRACKET

ORIGINAL PLAN	SURVEY PLOTTED BY..... DATE.....	
	DRAWN BY.....	BY.....
NOTE BOOK	DESIGNED BY.....	
	QUANTITIES BY.....	BY.....
No.....	CHECKED BY.....	
	BY.....	

PRINTED ON CLEARPRINT 1000.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

SPECIAL DETAILS
HIGHWAY LIGHTING SYSTEM

INTERSTATE ROUTE H-1
F.A.I. Proj. No I-H-1(17), UNIT I

Scale: As Shown Date: Sept. 1964

SHEET NO. 2 OF 2 SHEETS