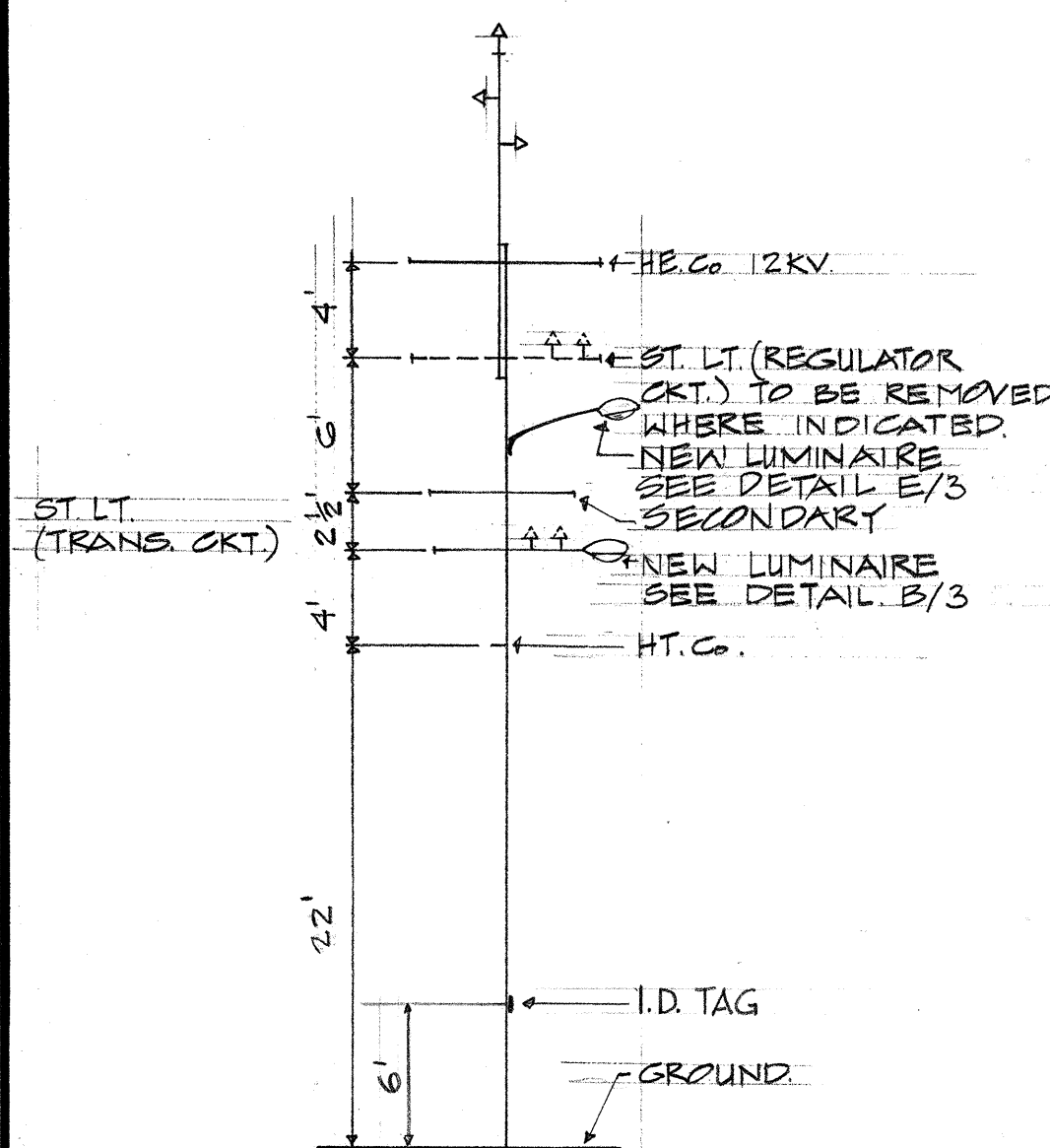
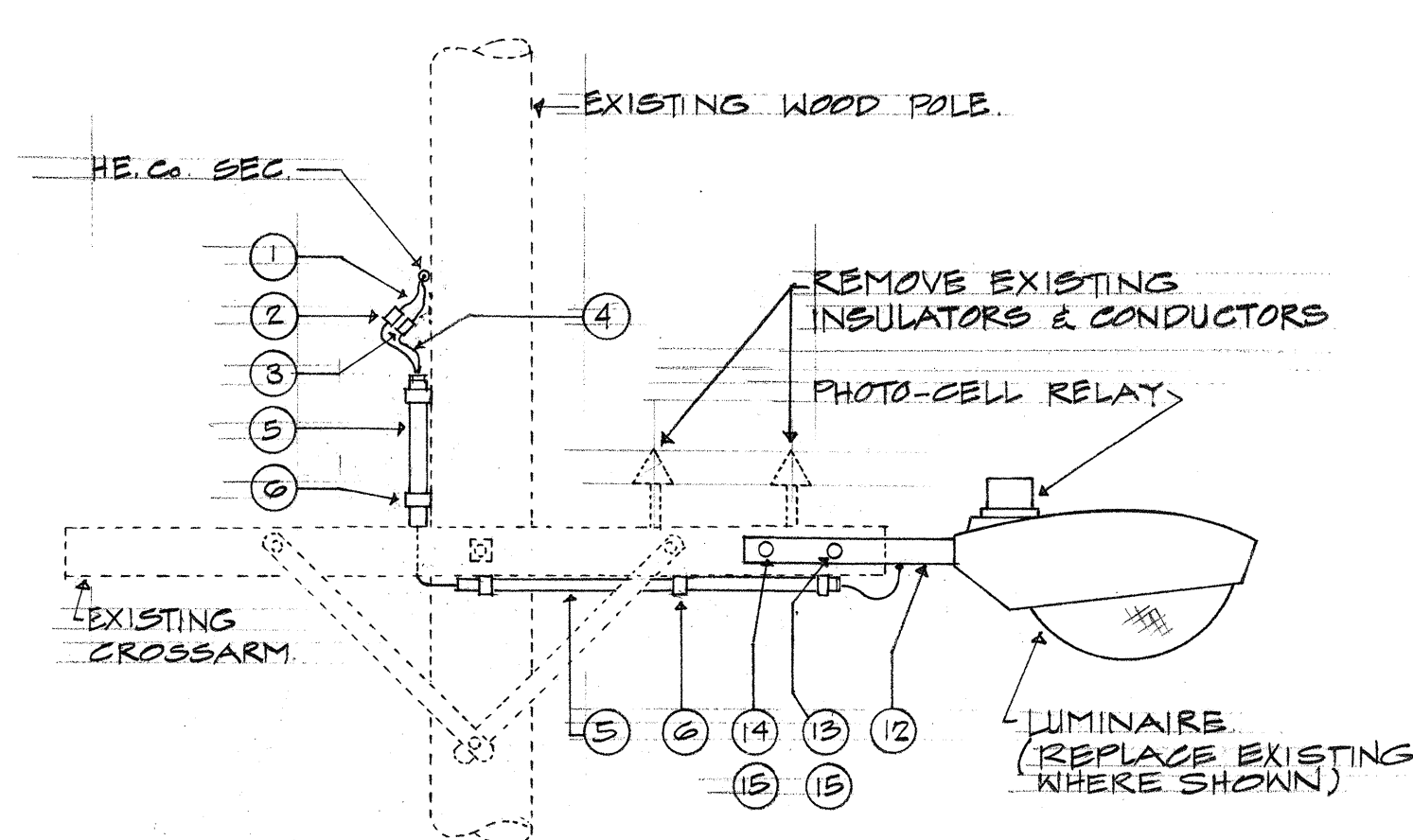


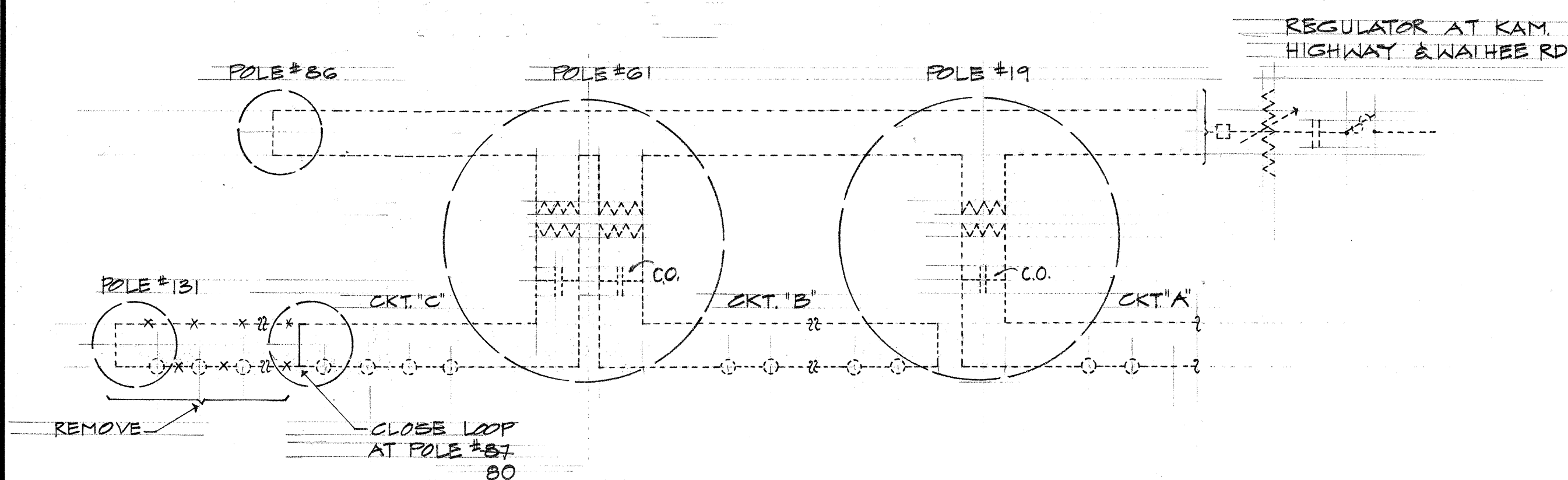


A
3 TYPICAL POLE DIAGRAM
N.T.S.

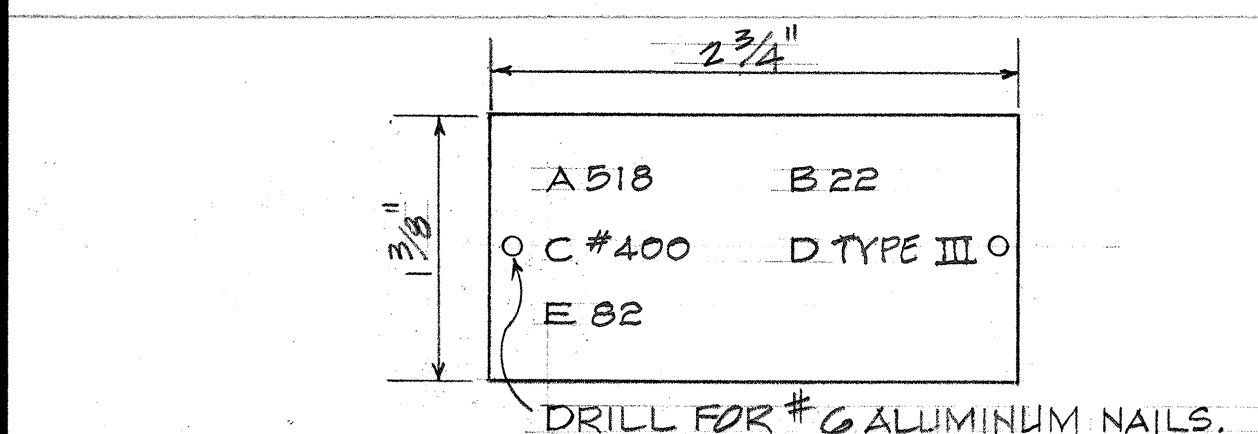


NOTES:
1. SEE MATERIAL LIST FOR DESCRIPTION OF MATERIALS

B
3 LUMINAIRE MOUNTING DETAIL
FOR POLES #81 THRU #131
N.T.S.



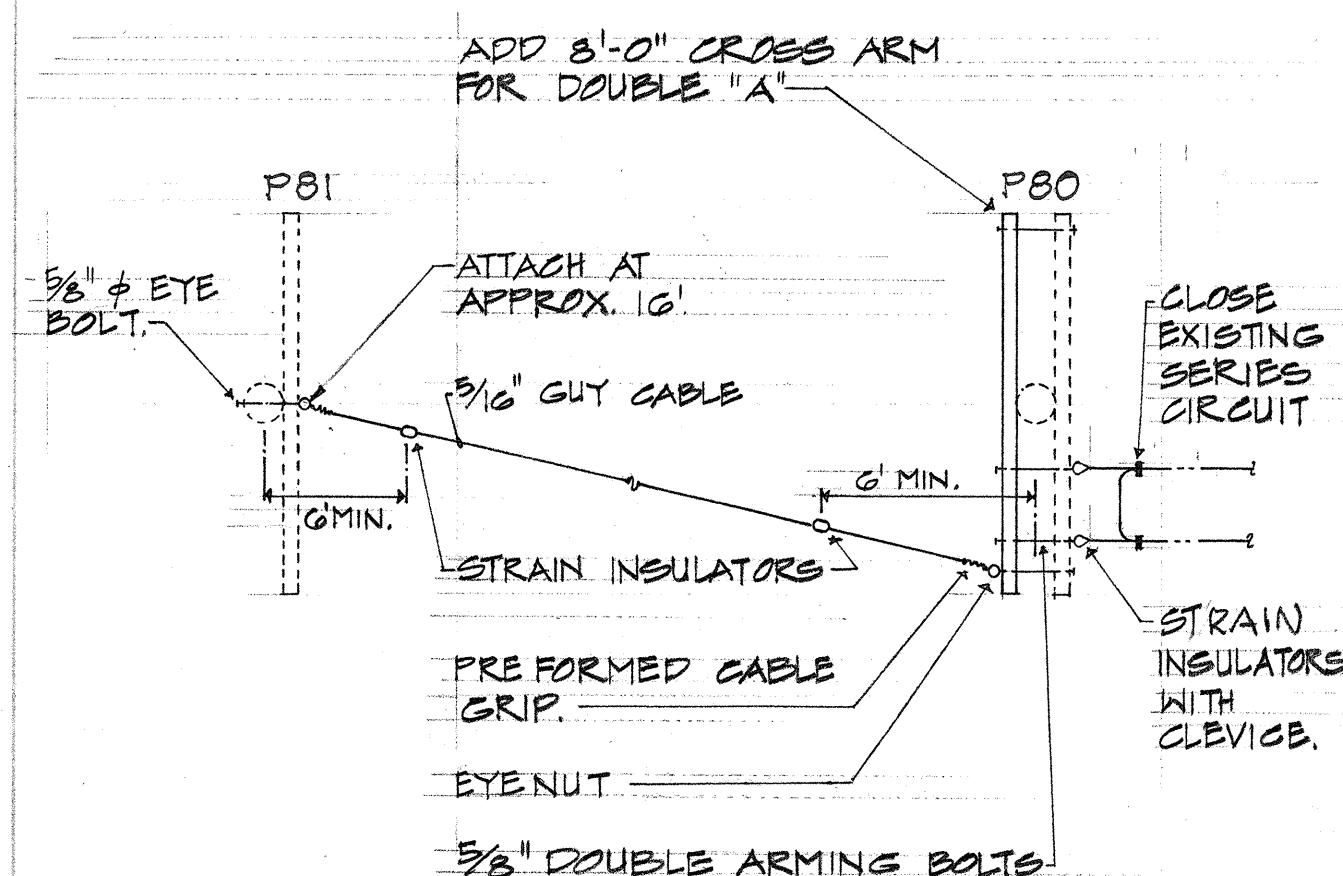
D
3 SERIES STREET LIGHT CIRCUIT DIAGRAM
N.T.S.



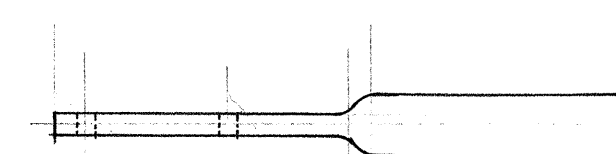
A = CONTRACT NUMBER.
B = LIGHT NUMBER - SAME AS POLE NO.
C = LAMP DATA - H400 N 33-1.
D = REFRACTOR DATA: TYPE III.
E = POLE NO.

NOTES:
1. TAGS SHALL BE MADE FROM 3-PLY LAMINATED PLASTIC, BLACK-WHITE-BLACK.
2. LETTERS: NO. 5 REDUCTION 1/8 STENCIL.
3. MOUNTING HEIGHT OF TAG SHALL BE 6'-0".

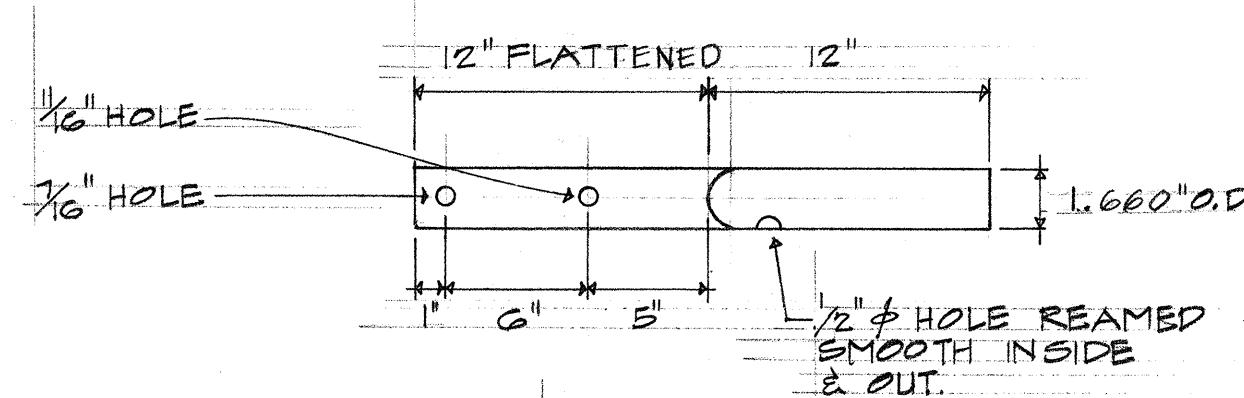
F
3 I.D. TAG DETAIL
NOT TO SCALE



G
3 SPAN ARM GUY DETAIL
N.T.S.



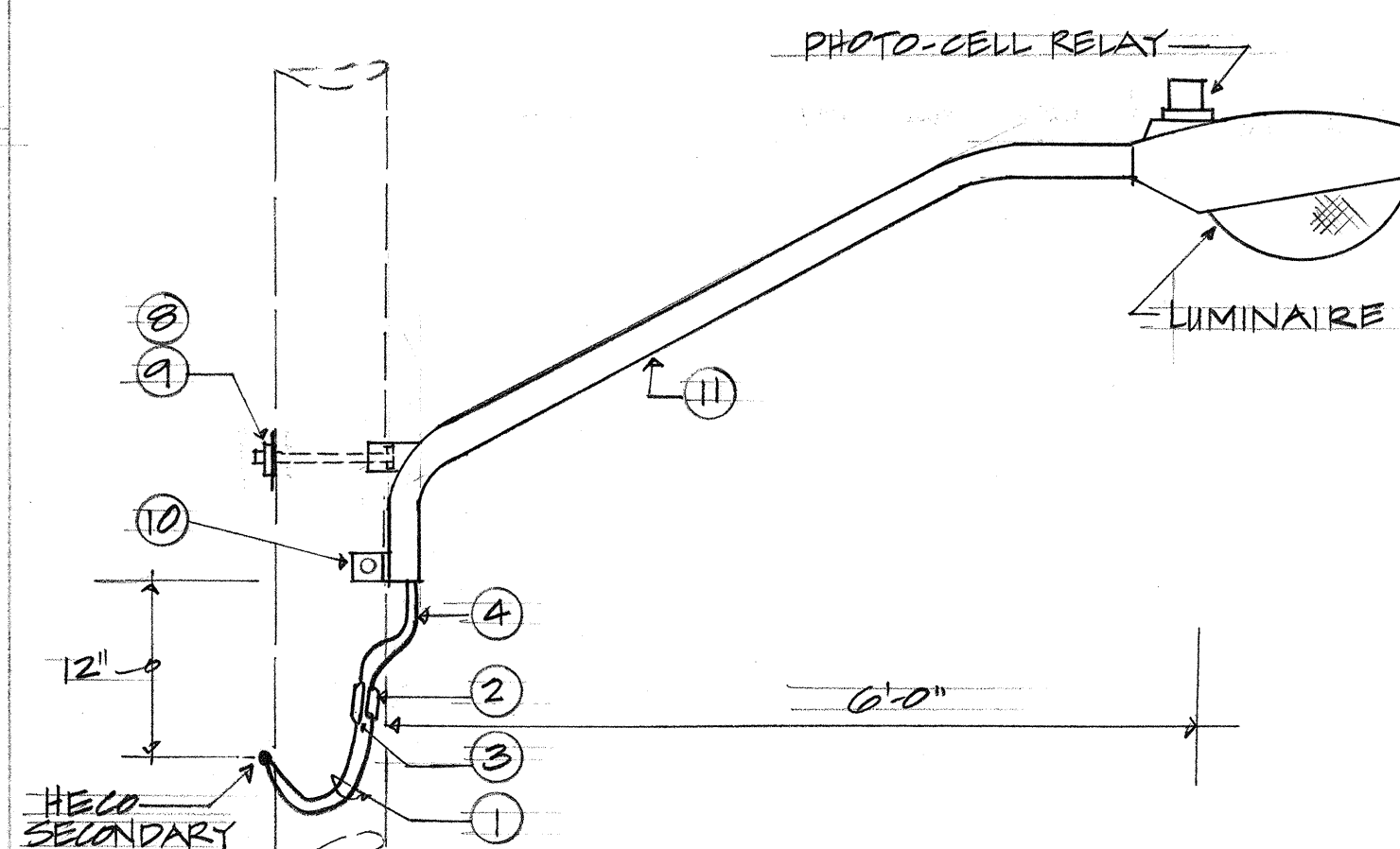
TOP VIEW



SIDE VIEW

NOTES:
1. CONSTRUCT w/ 1/4" STANDARD BLACK IRON PIPE & FLATTEN AS SHOWN.
2. BRACKET SHALL BE HOT-DIPPED GALVANIZED AFTER FABRICATION.

C
3 LUMINAIRE CROSSARM BRACKET DET.
ITEM #12 OF MATERIAL LIST.



E
3 LUMINAIRE MOUNTING DETAIL
FOR POLES #132 THRU #159
N.T.S.

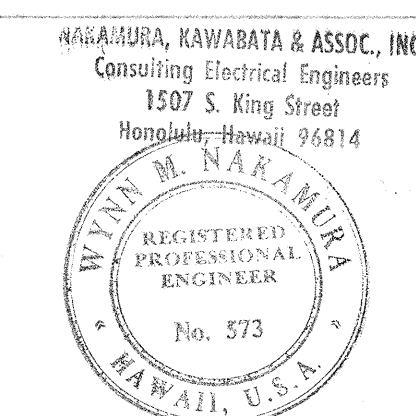
MATERIAL LIST

- No. 8 AWG. 7-STRAND ALUM. WIRE RHW. ALLOW SUFFICIENT LENGTH FOR HE. Co. TO SPLICE INTO SECONDARY LINE.
- IN-LINE UNFUSED, INSULATED SEPARABLE CONNECTOR ON NEUTRAL, SUITABLE FOR #8 AWG. STRANDED ALUMINUM WIRE ON LINE SIDE, No. 12 COPPER WIRE ON LOAD SIDE.
- IN-LINE FUSED, INSULATED SEPARABLE CONNECTOR ON HOT LINE, SUITABLE FOR #8 AWG. STRANDED ALUMINUM WIRE ON LINE SIDE, No. 12 COPPER WIRE ON LOAD SIDE WITH 10A. FUSE.
- No. 12 AWG. RHW. BLACK & WHITE SINGLE CONDUCTOR COPPER STRANDED WIRE TO LUMINAIRE.
- 3/4" PVC. SCHEDULE 80 CONDUIT.
- GALV. CONDUIT STRAP w/ #8 GALV. NAILS.
- 5/8" ϕ x 10" GALV. BOLT.
- CURVED WASHER, 2 1/4" SQ.
- LOCK NUT TYPE "MF".
- 1/2" x 4" LAG SCREW.
- 2" ϕ x 6'-0" GALV. PIPE BRACKET (SEE DETAIL).
- 1 1/4" ϕ x 2'-0" GALV. PIPE BRACKET (SEE DETAIL).
- 5/8" ϕ x 8" GALV. BOLT.
- 1/2" ϕ x 8" GALV. BOLT.
- WASHER, ROUND.

GENERAL NOTES:

- REMOVE SERIES STREET LIGHT LUMINAIRES INCLUDING CROSSARM BRACKETS APPROX. 15 EA. BETWEEN POLES 88 THRU 131.
- REMOVE SERIES TRANSFORMER CIRCUIT INCLUDING CROSSARMS BETWEEN POLE 87 THRU 131 AND PROVIDE 6000# SPAN ARM GUY BETWEEN POLE 87 AND 88.
- H.T. CO. CONTACT HEIGHT TO BE 22 FEET ALL POLES.

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	83D-03-71	1972	3	3



THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

Wyan Nakamura

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY LIGHTING PLAN FOR
KAMEHAMEHA HIGHWAY STREET LIGHTS BETWEEN
WAIKANE AND KUALOA POINT

PROJECT No. 83D-03-71

SCALE: AS SHOWN DATE: FEB 1972

SHEET No. 2 OF 2 SHEETS