

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	83A-CDE-01-73	1975	2	26

SYMBOLS, LEGEND AND NOTES

LEGEND

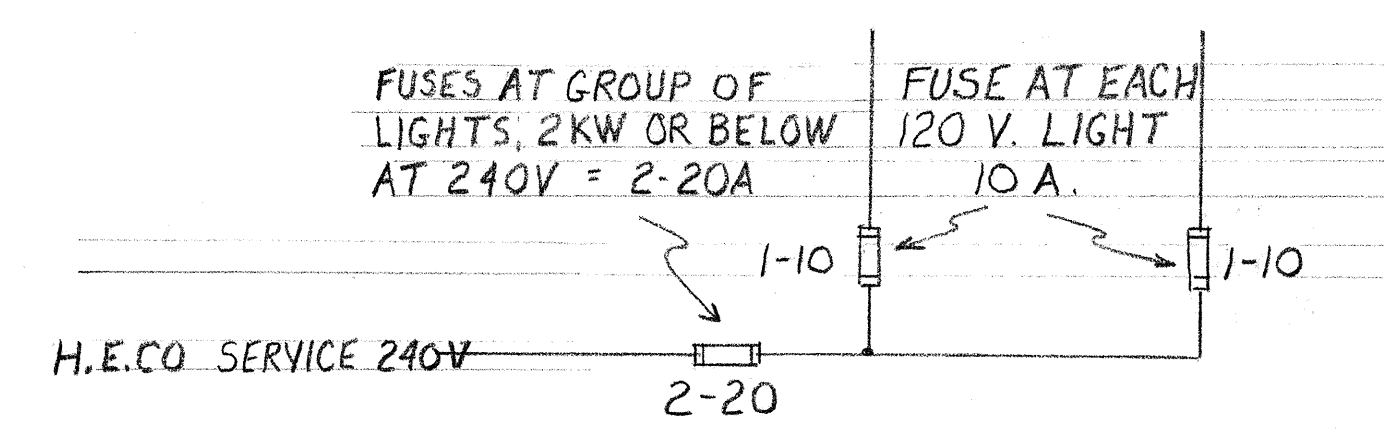
- A - CONTRACT NUMBER
- B - LIGHT NUMBER
- C - LAMP DATA, MERCURY-PREFIX "H" (H400)
SODIUM -PREFIX "N" (N150)
- D - REFRACTOR DATA

NOTES

1. FABRICATE FROM 3 PLY, LAMINATED PLASTIC BLACK-WHITE-BLACK.
2. ATTACH TO POLE WITH #4D ALUMINUM NAILS.
3. ATTACH 6" ABOVE FINISH GRADE. TAG SHALL BE ON STREET SIDE OF POLE
4. LETTERS TO BE #5 REDUCTION, 1/8" ENGRAVED OR STENCILED
5. TAGS SHALL BE INSTALLED CONSECUTIVELY, ADJUSTED AS NECESSARY FOR CHANGES IN LIGHT LOCATIONS OR QUANTITIES OCCURRING DUE TO CHANGED CONDITIONS

WOOD POLE IDENTIFICATION TAG

NOTE - BALANCE LOAD ON EACH LEG



ONE LINE DIAGRAM

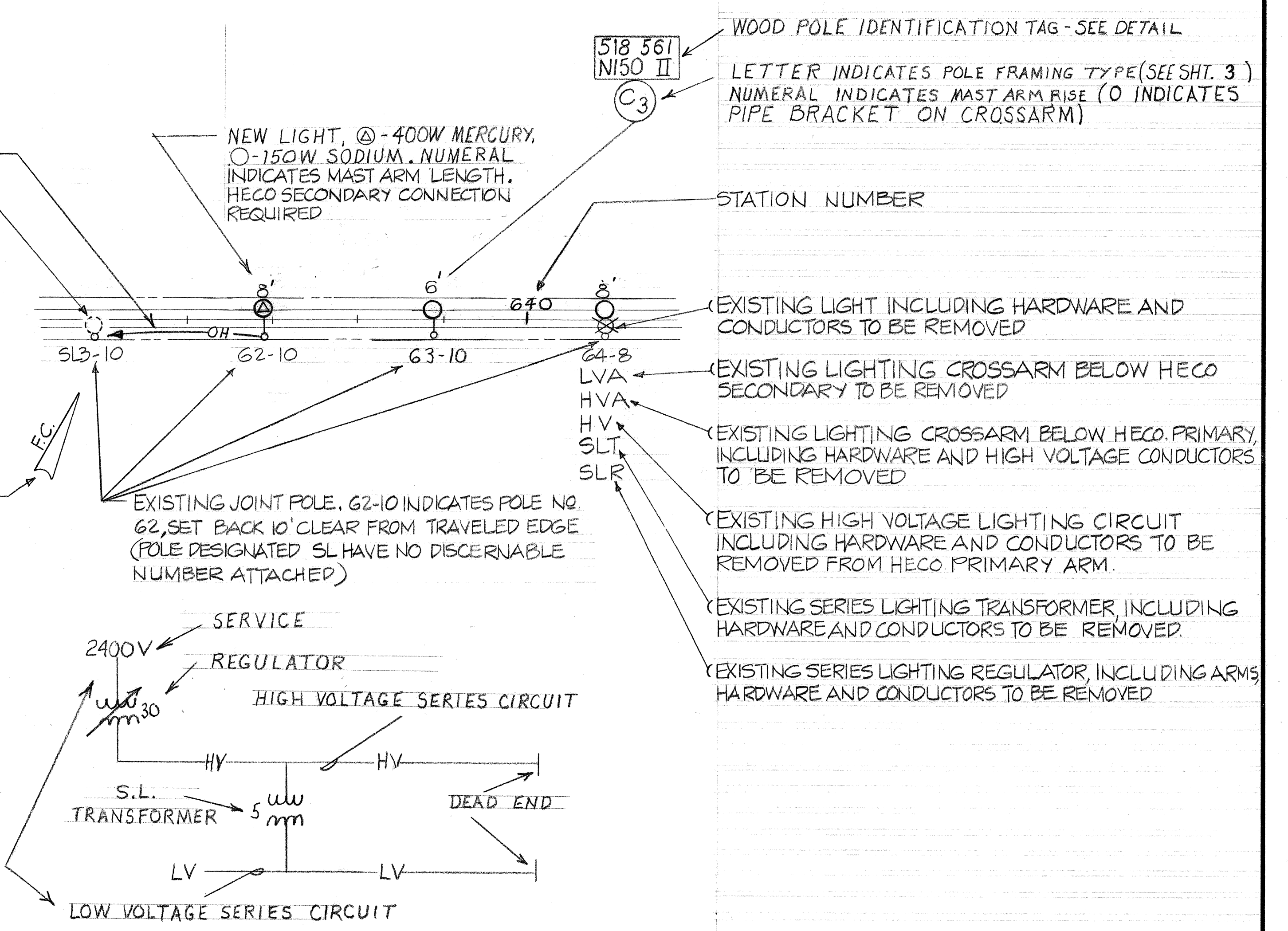
NEW OVERHEAD SECONDARY CABLE BY CONTRACTOR.
#4AWG AAC TRIPLEX PE. INSULATED. ARROW INDICATES CONNECTION BY HECO

MERCURY LIGHT TO REMAIN

INDICATES CONFLICT EXISTS WITH EXISTING EQUIPMENT IN SPACE FOR NEW LIGHT AT THIS POLE - LETTERS DENOTE TYPE. HECO WILL REMOVE CONFLICT

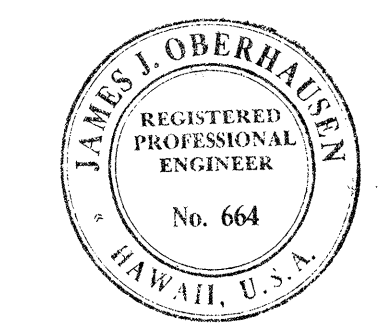
- H.G. HEAD GUY
- A.G. ANCHOR GUY
- F.C. FUSE CUTOUT (PARTICULARY OPEN)
- T.R. TRANSFORMER INSTALLATION
- P.B. PRIMARY BUCK
- P.R. PRIMARY RISER
- T.S.R. TRANSFORMER SECONDARY RISER
- S.C. SECONDARY CROSSING
- A.B. ALLEY ARM BRACE
- G.W. GROUND WIRE IN MOULDING

THESE SYMBOLS INDICATE EXISTING SYSTEM AND ARE SHOWN AT POLES WHERE SUCH COMPONENTS OCCUR. (ALL ARE TO BE REMOVED WHEN NEW SYSTEM IS IN OPERATION)



NOTES

1. ALL EXISTING DATA WAS CONFIRMED 3-1-75
2. LOCATION OF POLES IS NOT TO SCALE FROM STATION NUMBERS BUT DETERMINED BY OBSERVATION OF EXISTING LANDMARKS AND RELATIONSHIP TO EACH OTHER.
3. MERCURY IS SAME AS MERCURY VAPOR
4. SODIUM IS SAME AS HIGH PRESSURE SODIUM.
5. ANY ADVANCE OR CHANGEOVER COSTS FOR WORK PERFORMED BY H.E.CO. OR H.T.CO. SHALL NOT BE PART OF THE CONTRACT BUT WILL BE PAID BY THE STATE. THE CONTRACTOR SHALL NOTIFY THE STATE IF SUCH CHARGES ARE BROUGHT TO HIS ATTENTION.



This work was prepared by me or under my supervision.
James J. Oberhausen

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

LIGHTING PLANS
SYMBOLS - DETAILS
KAMEHAMEHA HIGHWAY
STREET LIGHTS IMPROVEMENTS
PROJECT NO. 83A-CDE-01-73
DATE: 7-21-75

SHEET No. 1 OF 2 SHEETS

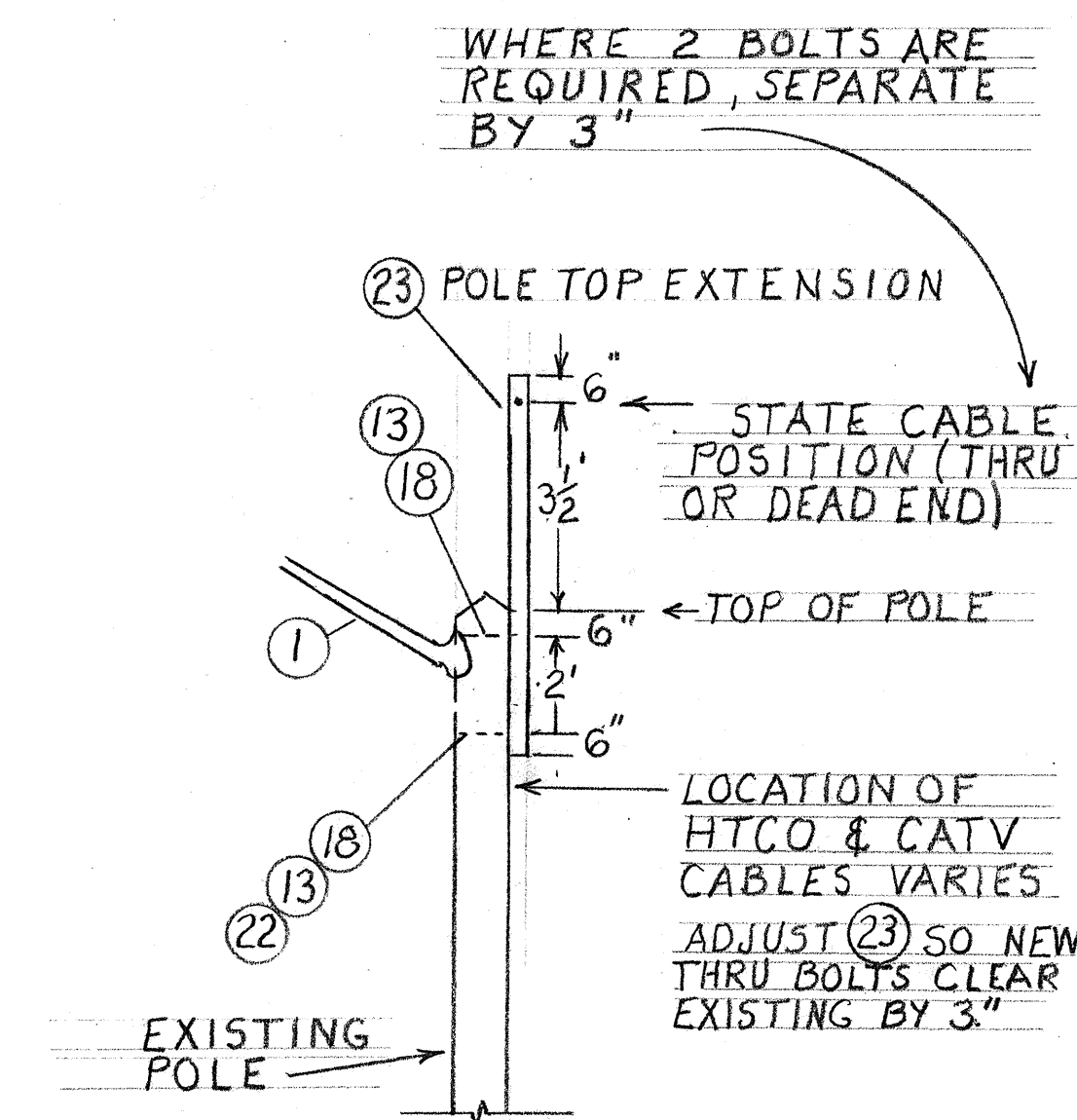
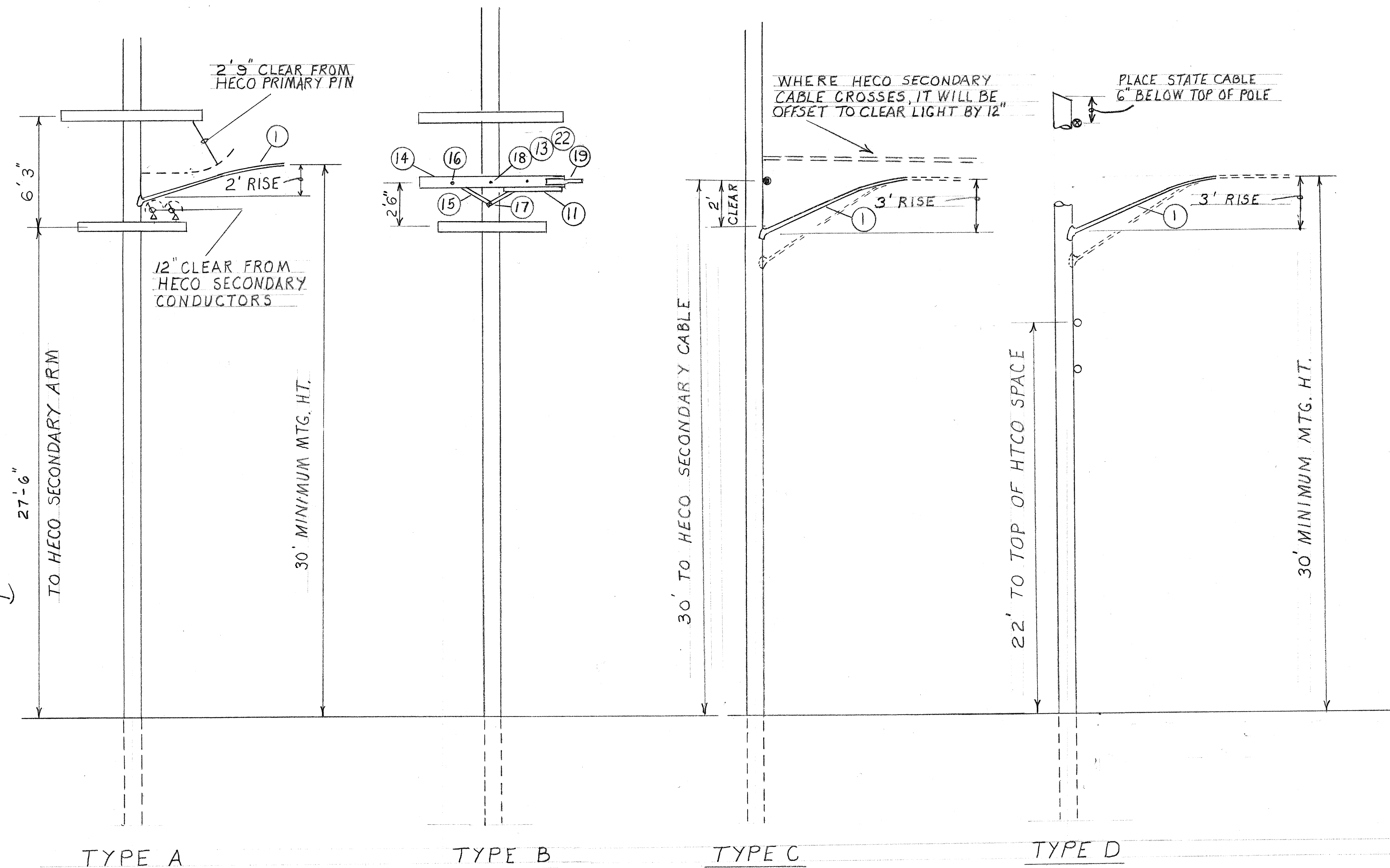
C.O. 2

DATE	_____
DESIGNED BY	_____
CHECKED BY	_____
NOTED BY	_____
NO.	_____

OVERHEAD LINE MATERIAL LIST

ITEM No.	DESCRIPTION
1	LUMINAIRE & MAST ARM
2	CRIMP CONNECTOR - ALUM
3	IN-LINE FUSE HOLDER, WITH FUSE
4	IN-LINE SEPARABLE CONNECTOR, UNFUSED
5	#10 STRANDED CU.-TYPE RHW - BLACK
6	#10 STRANDED CU.-TYPE RHW - WHITE
7	#8-7STRAND AL.-TYPE RHW
8	AERIAL CABLE
9	MESSANGER HANGER - JOSLYN JP40360A & B
10	FLAT ALUMINUM ARMOR WRAP
11	3/4" P.V.C. SCHED. 80 CONDUIT
12	(2) 5" X 1/2" LAG BOLTS
13	5/8" THRU. BOLT
14	8' TREATED CROSSARM
15	ARM BRACE, 1 1/4" X 1/4" X 28"
16	CARRIAGE BOLT, 3/8" X 4 1/2" + 14 GA. WSHR, 1 1/4" O.D.
17	LAG SCREW, 3/8" X 3 1/2"
18	2 1/4" SQUARE X 3/16" SQUARE WASHER
19	PIPE BRACKET - SEE DETAIL
20	AL. ALLOY THIMBLE CLEVIS, AND EYENUT
21	AL. ALLOY PREFORMED DEAD END GRIP
22	2 1/2" SQUARE X 3/16" CURVED WASHER
23	3 3/4" X 4 1/4" X 7' WOLMANIZED WOOD

* BY HECO AT ALL POLES EXCEPT WHERE CABLE IS INDICATED BY CONTRACTOR (OH-)

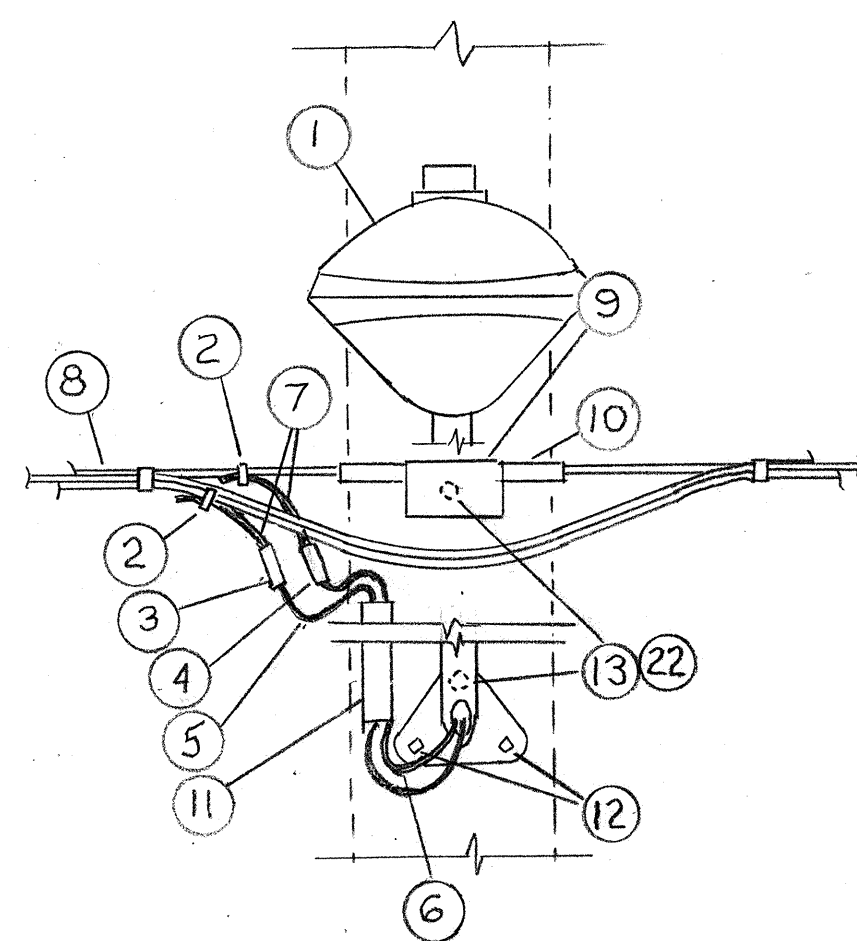


TYPE E

SPECIAL FRAMING - SEE NOTES AT POLE LOCATION PLAN

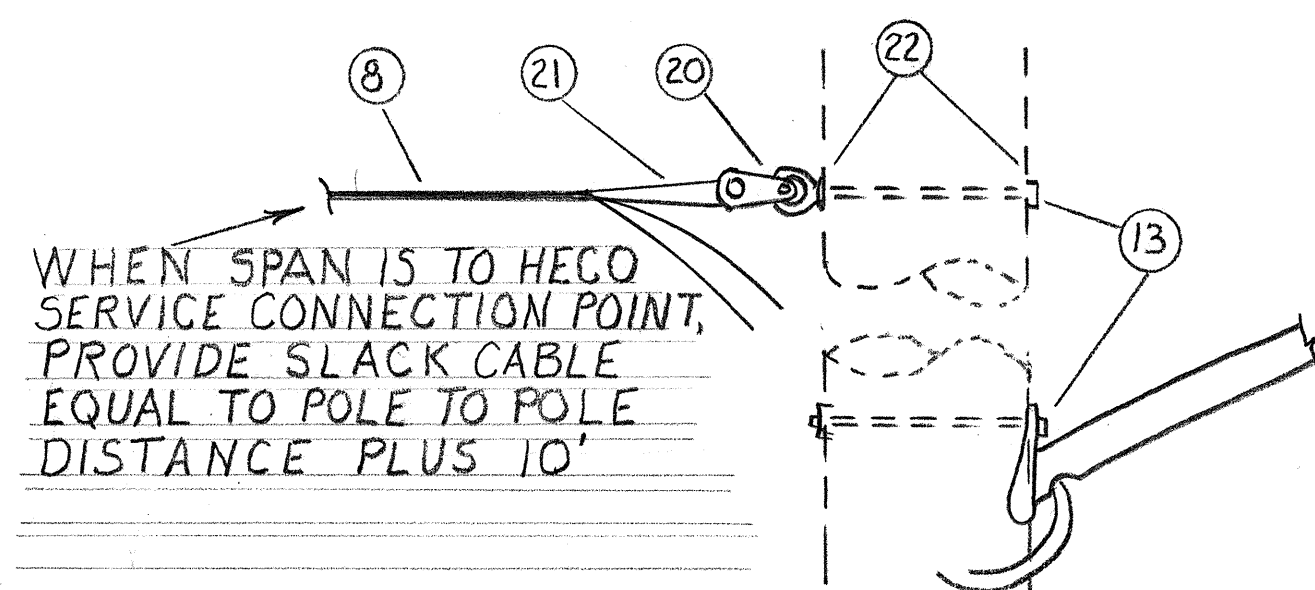
POLE FRAMING

(FOR SAG DATA - SEE SHEET 9)



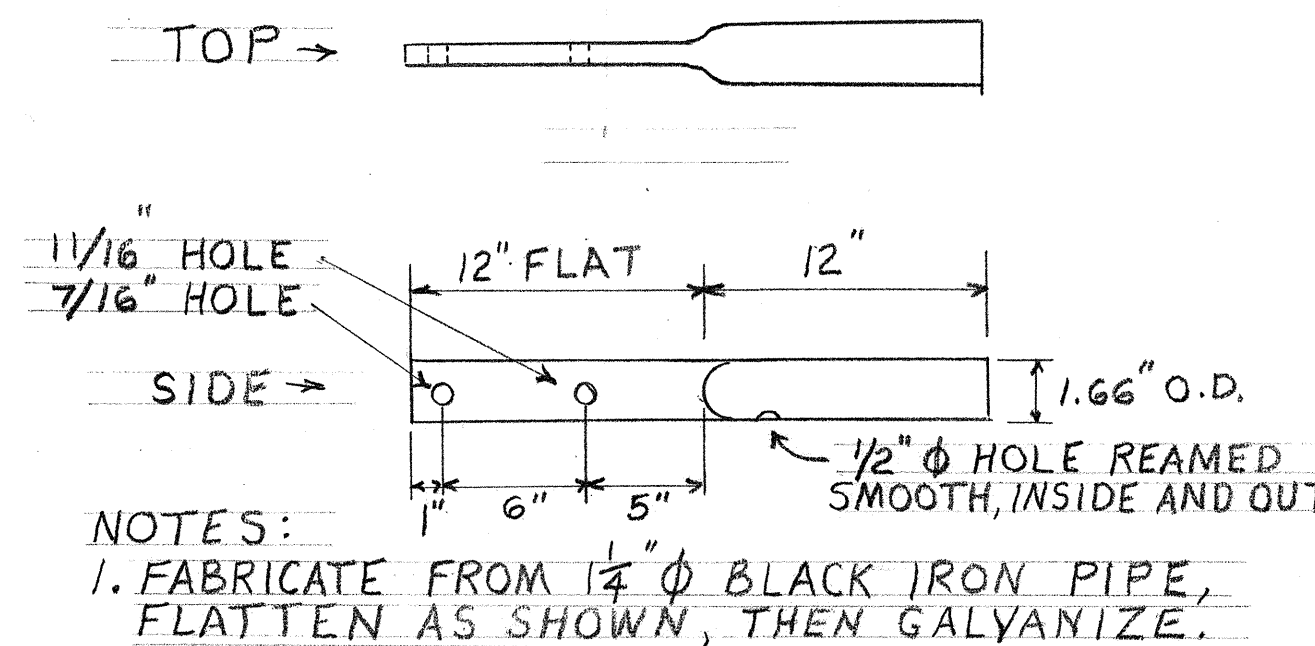
LUMINAIRE CONNECTION TO AERIAL CABLE

THRU POLE

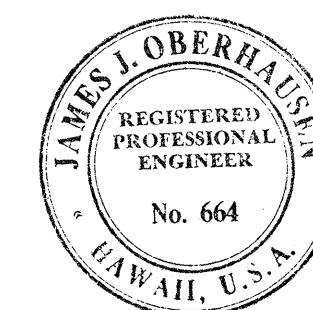


CABLE ATTACHMENT AT DEAD END POLE

(CABLE MAY BE ABOVE OR BELOW LUMINAIRE OR ON POLE TOP EXTENSION)



CROSSARM PIPE BRACKET



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SHEET No. 2 OF 2 SHEETS