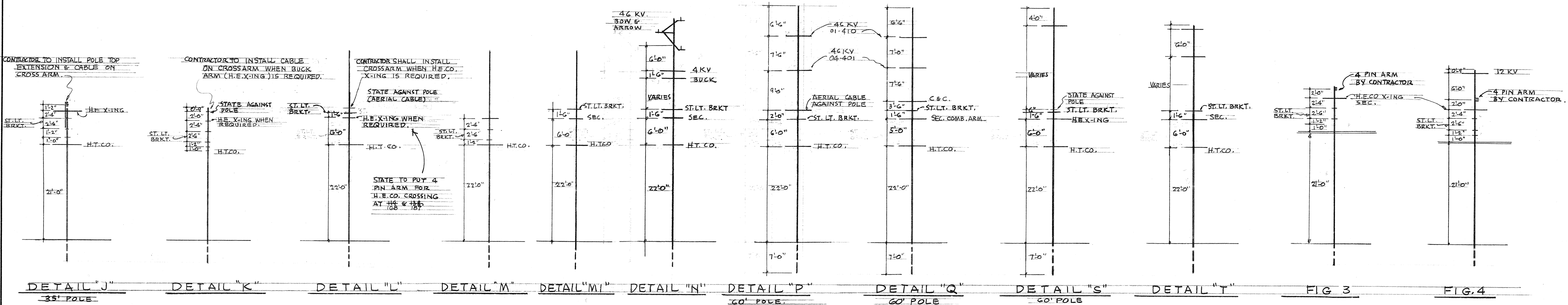
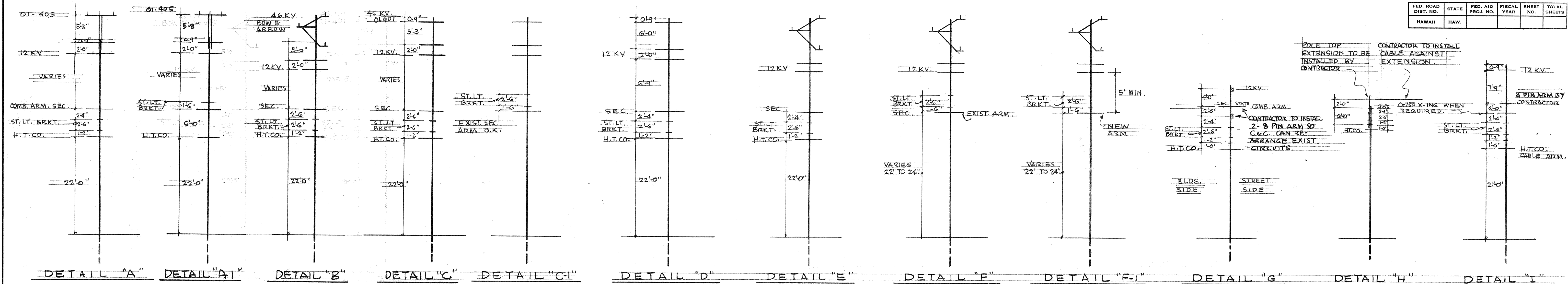
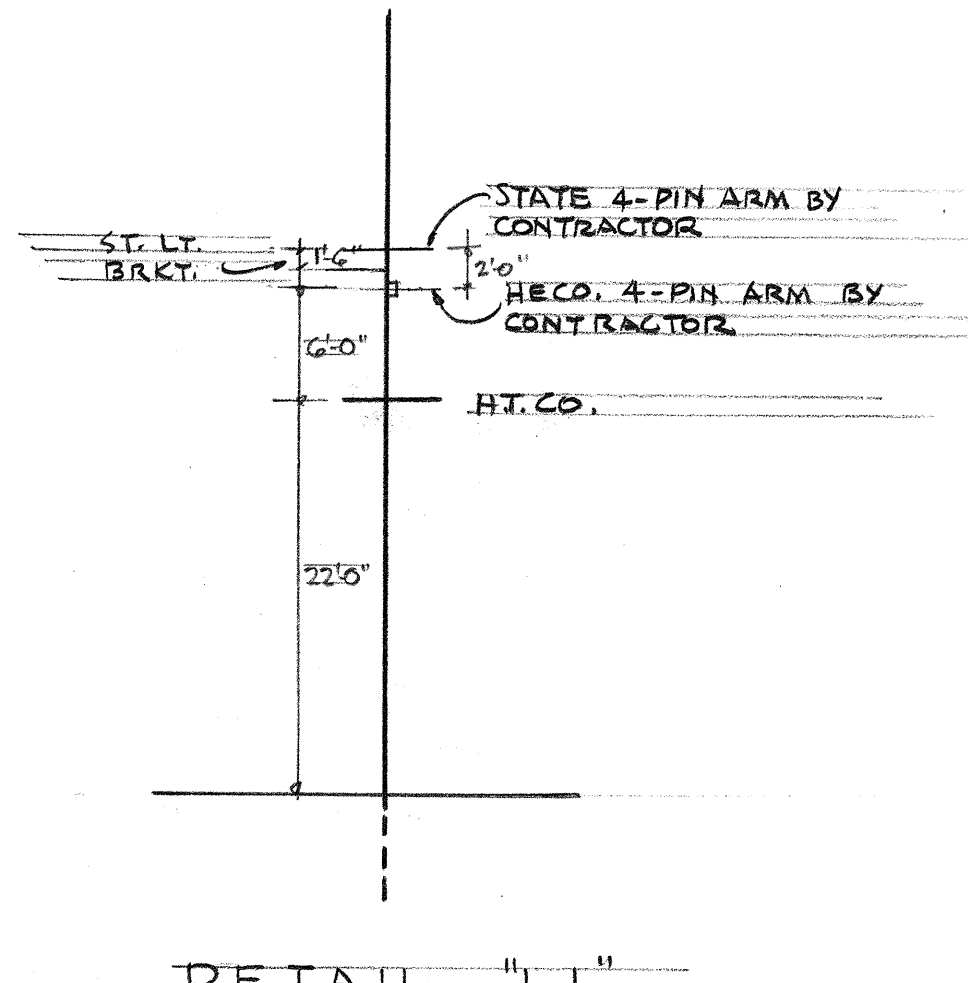


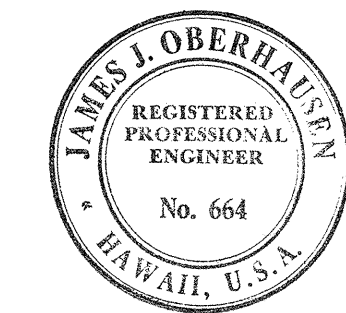
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.				



NOTE:
ON ALL POLES WHERE STATE CABLE IS PLACED AGAINST POLE OR POLE TOP EXTENSION FOR THIS PROJECT, STATE SHALL BE PREPARED TO INSTALL A CROSS ARM AND RELOCATE CABLE TO CROSS ARM WHEN H.E.CO. CROSSING IS REQUIRED IN THE FUTURE.
LOCATION OF BRACKETS NOT AS SHOWN IN DETAILS
ALL BRACKETS PLACED SO LUMINAIRES WOULD BE APPROXIMATELY 30'-0" FROM E.P.



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



STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

HIGHWAY LIGHTING DETAILS

PROJECT NO. 8-90-01-62

SCALE: NOT TO SCALE JUNE 8, 1962

SHEET No. E8 OF 10 SHEETS

[illegible]

H.E. CO. COPPER SECONDARY

2C #10 COPPER GOOV. RHW. 2C #8 AL #1 ZIPCORD

1P

1 LIGHT

2C #8 ALUMINUM GOOV. RHW (SERVICE AT LIGHT #8-9) 230

1P

STATE TRIPLEX

ZIPCORD

FUSE

STATE TRIPLEX

ZIPCORD

FUSE

3C COPPER GOOV. RHW #10 FOR UP TO 5500 WATTS #8 FOR 5500 TO 9300 WATTS.

1P

H.E. CO. ALUMINUM SECONDARY

2C #8 ZIPCORD

1P

1 LIGHT

2C #8 COPPER GOOV. RHW (SERVICE AT LIGHT #8-9) 220

1P

STATE TRIPLEX

FUSE

STATE TRIPLEX

ZIPCORD

FUSE

2C #8 AL GOOV. RHW #8 FOR UP TO 7300 WATTS

1P

TYPICAL STATE STREET
LIGHTING POLE WITH
SELF SUPPORTING BRACKET.
NOT TO SCALE:

WOOD MAULING.

STAPLE

POLE AND BRACKET TO ST. Ltg. LUMINAIRE

BARE NEUTRAL MESSNGER

TIE

TRIPLEX CABLE

BRACKET

DISCONNECT FUSE

TIE

TRIPLEX CABLE

ST. Ltg. CABLES

ALL ALUMINUM BURNDY "CRIMPIT" CONNECTOR, TAPE CONNECTIONS WITH 4 LAYERS OF 2" LAPPED PLASTIC TAPE AND ONE OUTER LAYER OF VIN TAPE. ALTERNATE HOT WIRE TAP TO BALANCE CIRCUIT.

AT DEAD END TERMINATE CABLE WITH 5/8" EYE BOLT. ALUMINUM COATED

AERIAL CABLE HANGER JOSLYN CAT. NO. J10146.1 EXCEPT TO BE ALUMINUM WITH 5/8" ALUMINUM COATED THRU BOLT. WRAP CABLE WITH FLAT ALUMINUM WIRE. SEE DETAIL BELOW.

A = CONTRACT NUMBER.
OBTAIN FROM STATE OR HECO
B = LIGHT NUMBER, FROM
CONTRACT DRAWING
C = LAMP DATA, SEE CODE
BELOW.
D = REFRACTOR DATA, SEE
CODE BELOW.

1. MAKE FROM 0.040" ALUMINUM SHEET.
2. ATTACH TO WOOD POLES WITH 4D ALUMINUM NAILS. ATTACH 8'-0" ABOVE CURB; IF NO CURB, 8'-0" ABOVE FINISH GRADE.
3. LETTERS - NO. 5 REDUCTION, 1/8" ENGRAVED OR STENCILLED.

REFRACTOR CODE
USE ROMAN NUMERALS TYPE
AS INDICATED ON DRAWING OR IN
SPECIFICATION I THRU V. (FOR
THIS PROJECT, ALL ARE III.)

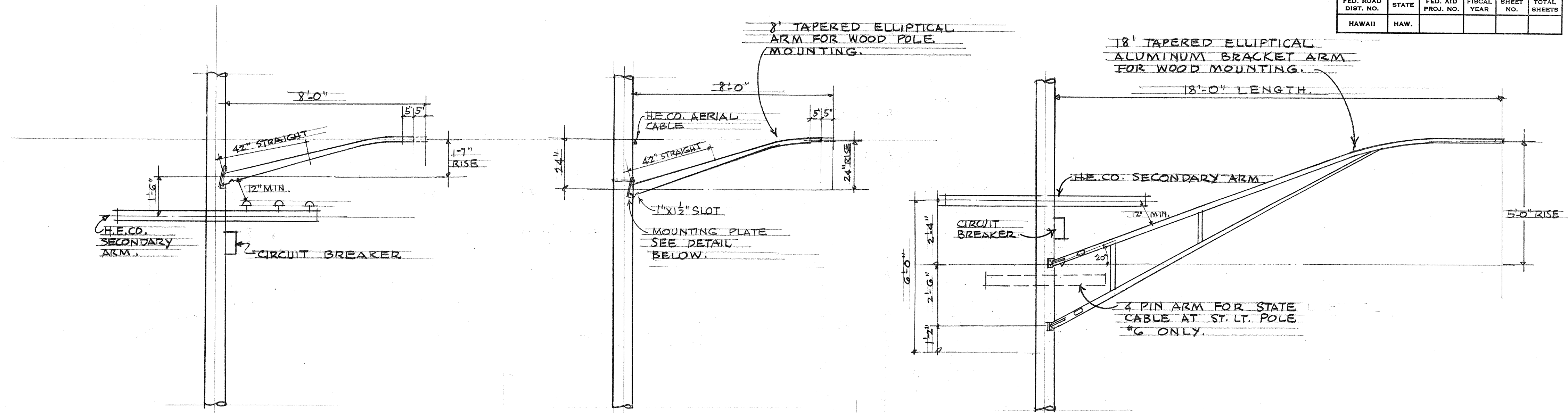
100-107896

SHEET No. 9 OF 10 SHEETS

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

PRINTED ON CLEARPRINT 1000-M

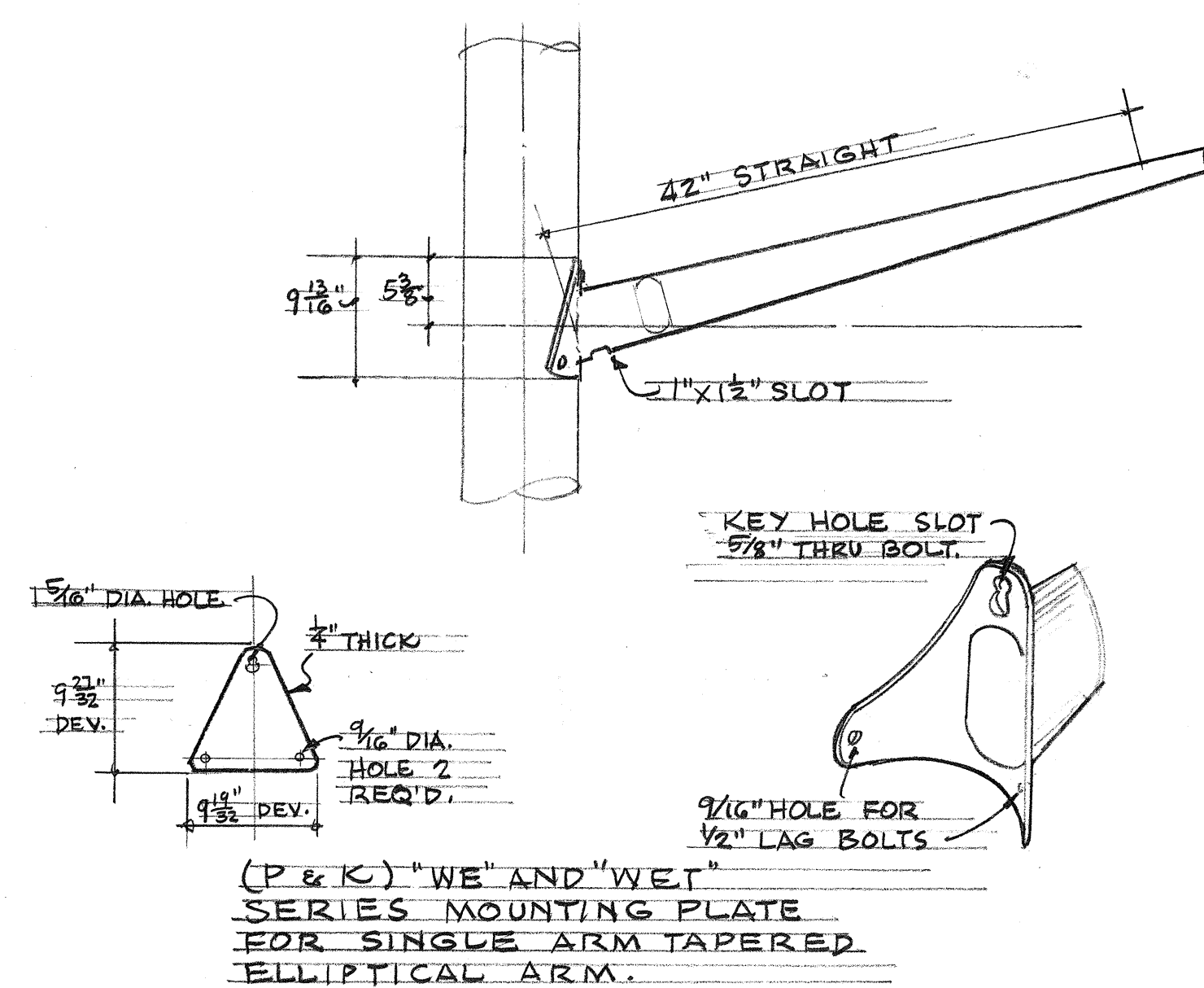
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.				



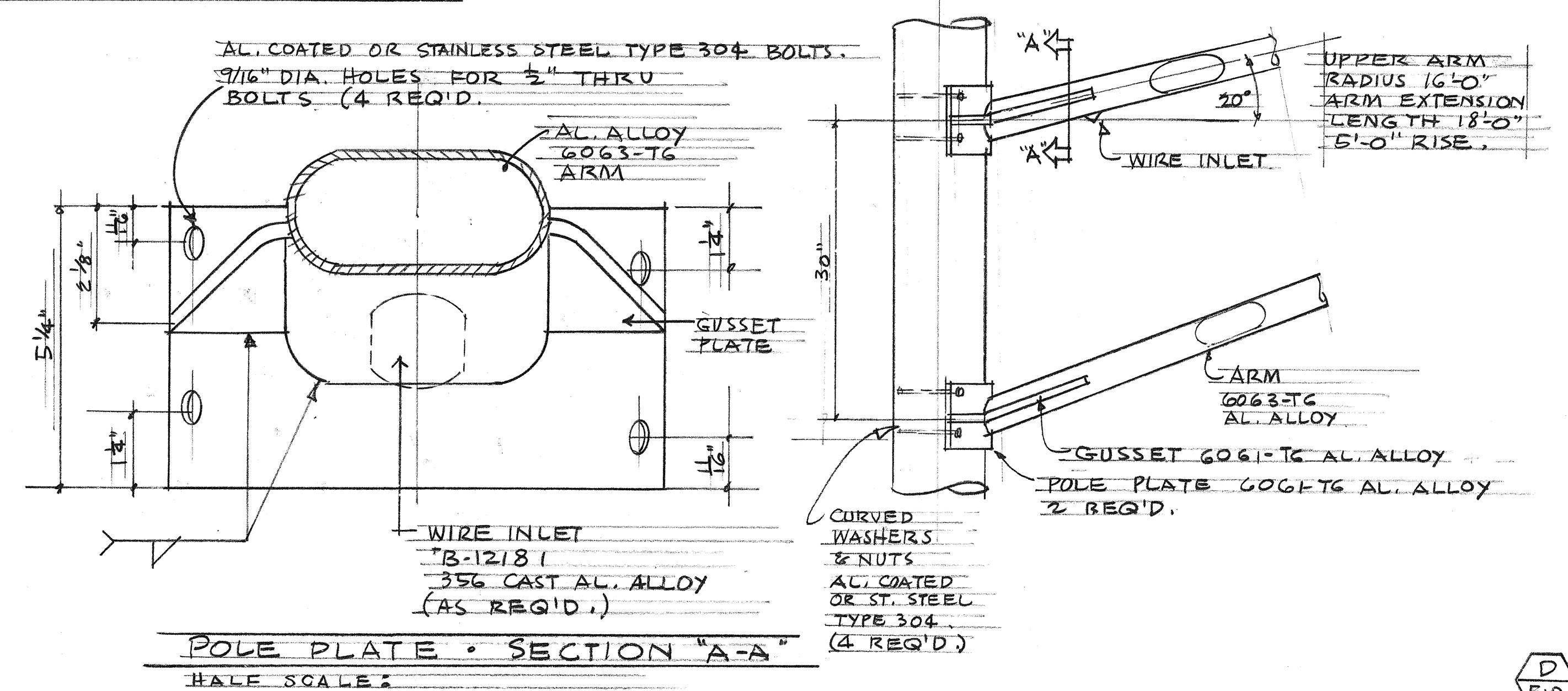
TYPICAL STREET LIGHT - 8 FT.
BRACKET INSTALLATION
ABOVE SECONDARY

TYPICAL STREET LIGHT - 8 FT.
BRACKET INSTALLATION
BELOW AERIAL CABLE

TYPICAL STREET LIGHT BRACKET INSTALLATION
BELOW SECONDARY



WOOD POLE MOUNTING PLATE FOR
8' TAPERED ELLIPTICAL ARM



POLE PLATE - SECTION "A-A"
HALF SCALE

WOOD POLE MOUNTING PLATE FOR 18' TAPERED ELLIPTICAL ARM

NOTES:
1. BEFORE ORDERING BRACKETS, THE CONTRACTOR SHALL MAKE A FIELD CHECK OF ALL POLES TO OBTAIN POLE SHAPE AND DIMENSION AT POINT WHERE BRACKET WILL BE ATTACHED.

ORIGINAL PLAN	DATE
DRAWN BY	
CHECKED BY	
NOTED BY	
QUANTITIES BY	
CHECKED BY	



STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

HIGHWAY LIGHTING DETAILS

PROJECT NO. B-90-01-G2

SCALE: AS NOTED. JUNE 8, 1962

SHEET No. E10 OF 10 SHEETS