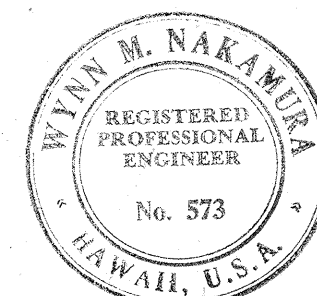
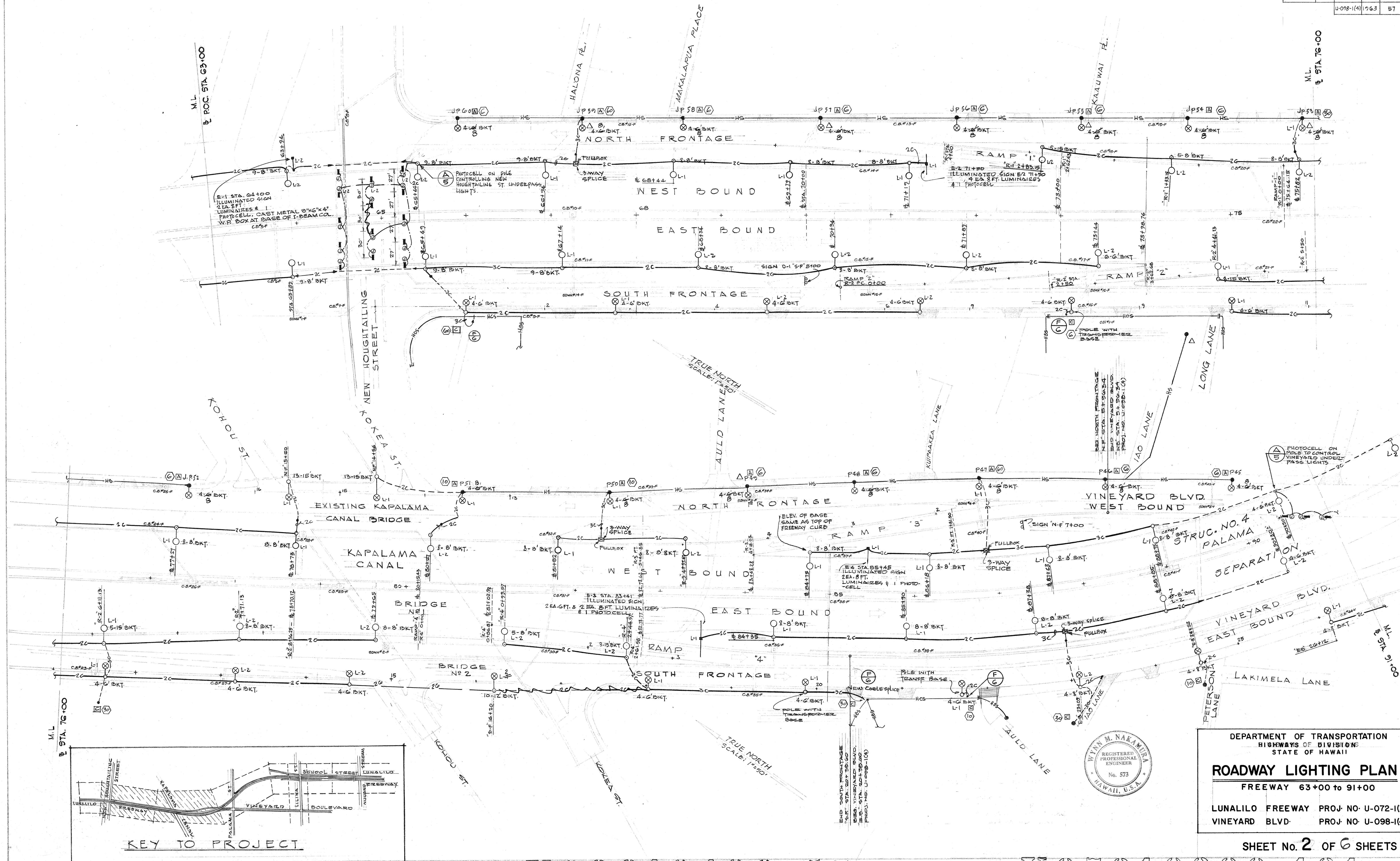


FED. ROAD DIST. NO.	STATE	FED. PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	U-072-1(3)	1963	131	246	
	U-098-1(4)	1963	57	88	



DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
STATE OF HAWAII

ROADWAY LIGHTING PLAN

FREEWAY 63+00 to 91+00

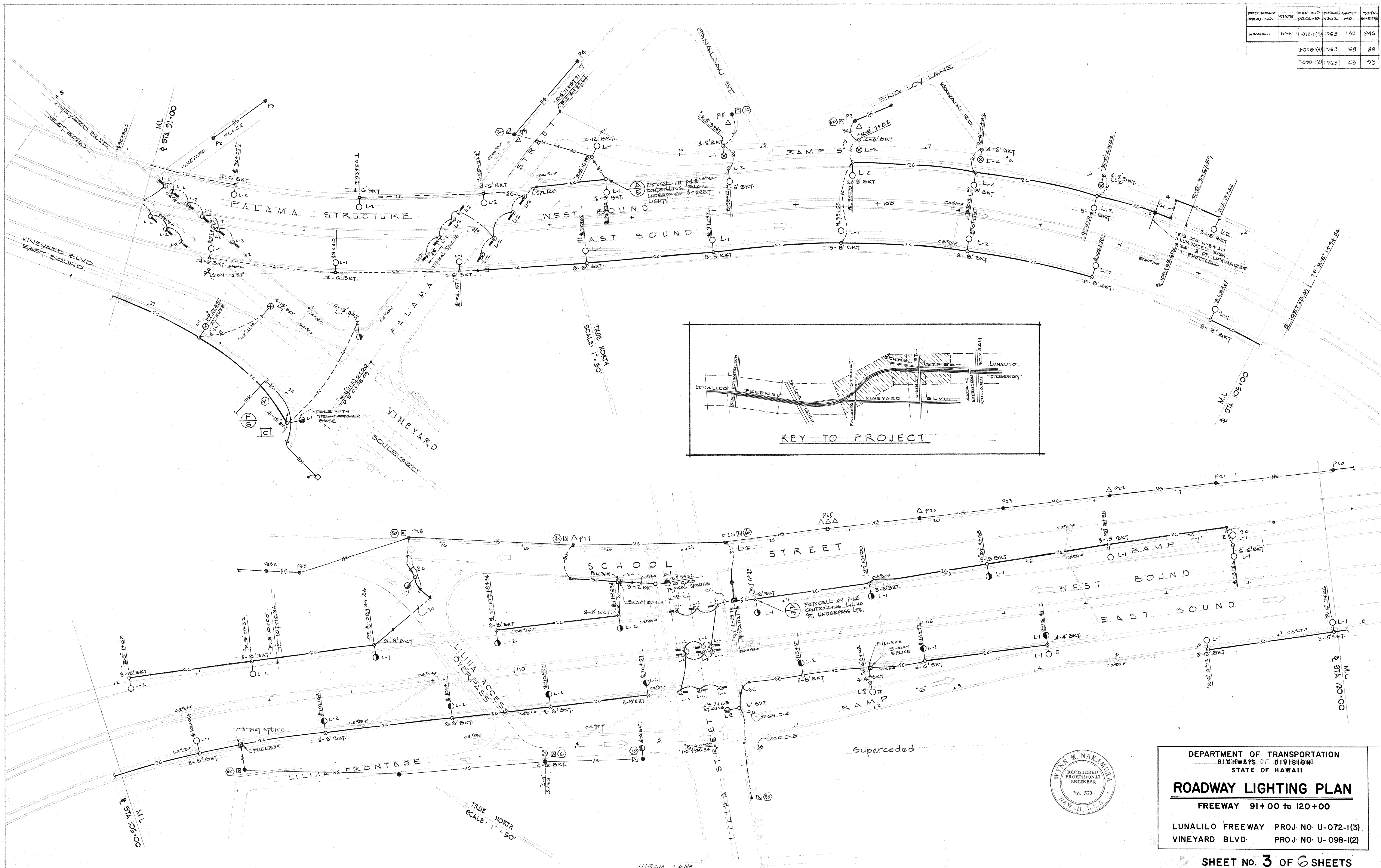
LUNALILO FREEWAY PROJ. NO. U-072-1(3)
VINEYARD BLVD. PROJ. NO. U-098-1(4)

SHEET No. 2 OF 6 SHEETS

U09S10400.57

U07210300.131

FED. ROAD PROJ. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEET
HAWAII	HAW.	U-072-1(3)	1963	132	246
		U-072-1(4)	1963	58	88
		F-090-1(2)	1963	63	73



CHECK PRINT RUN: ① ② ③
PLEASE FORWARD COMMENTS
TO WYNN NAKAMURA, LTD. ④-⑤-⑥

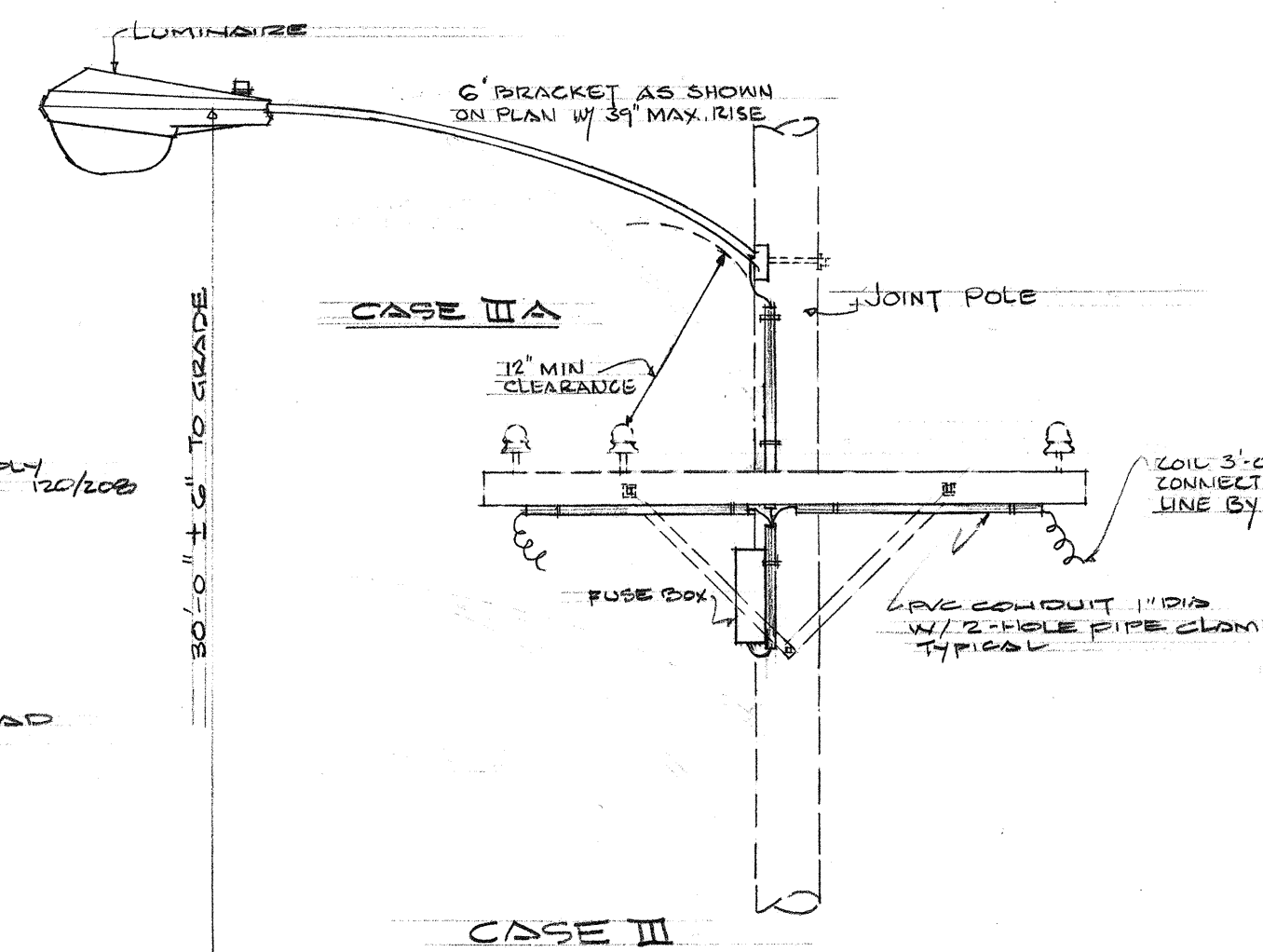
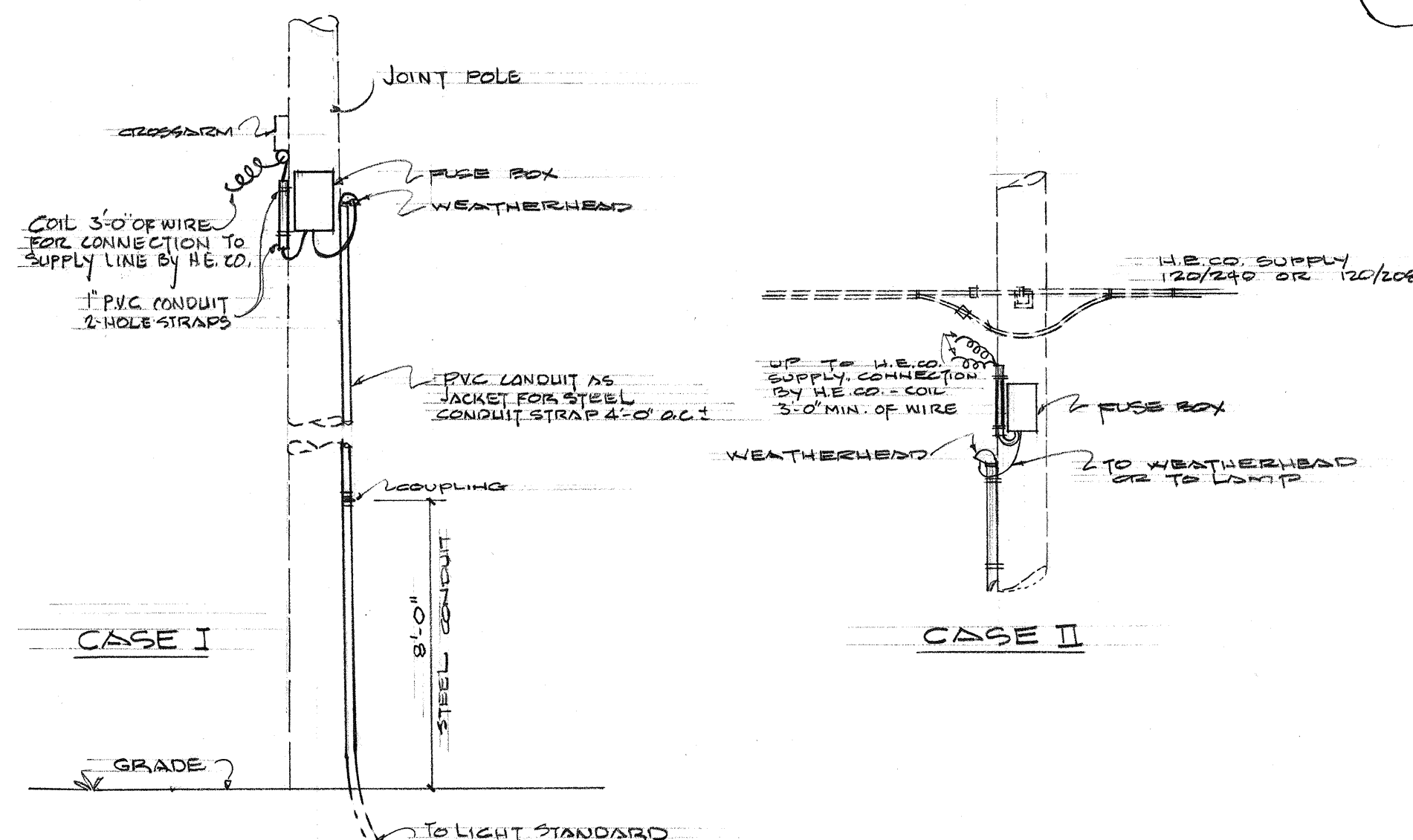
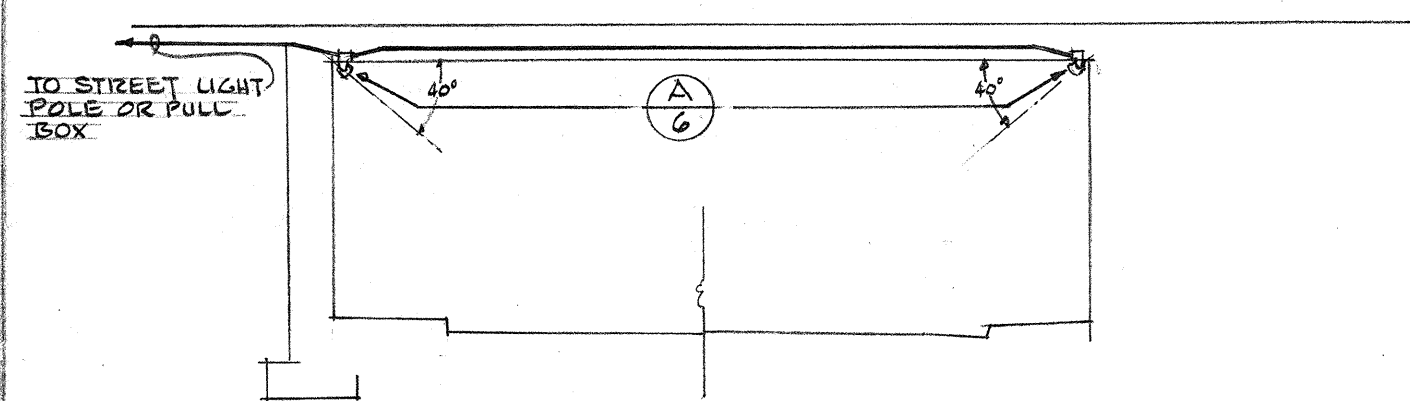
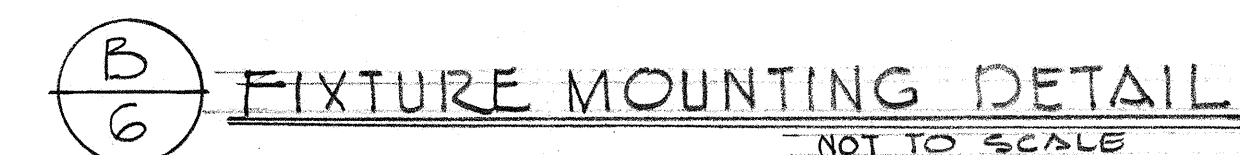
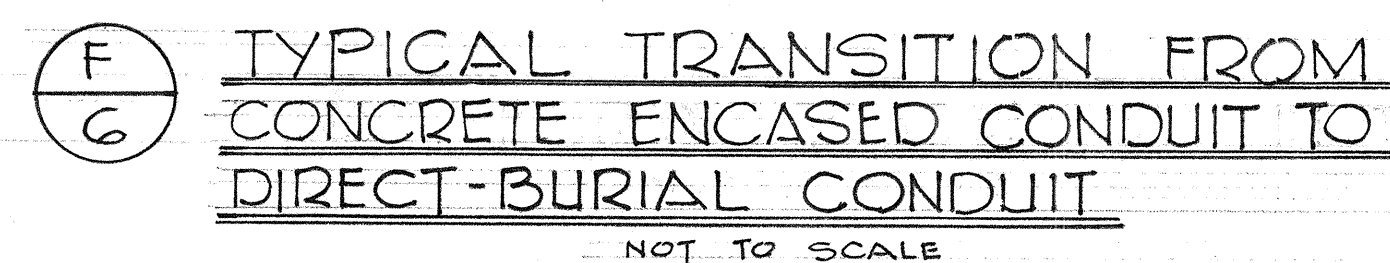
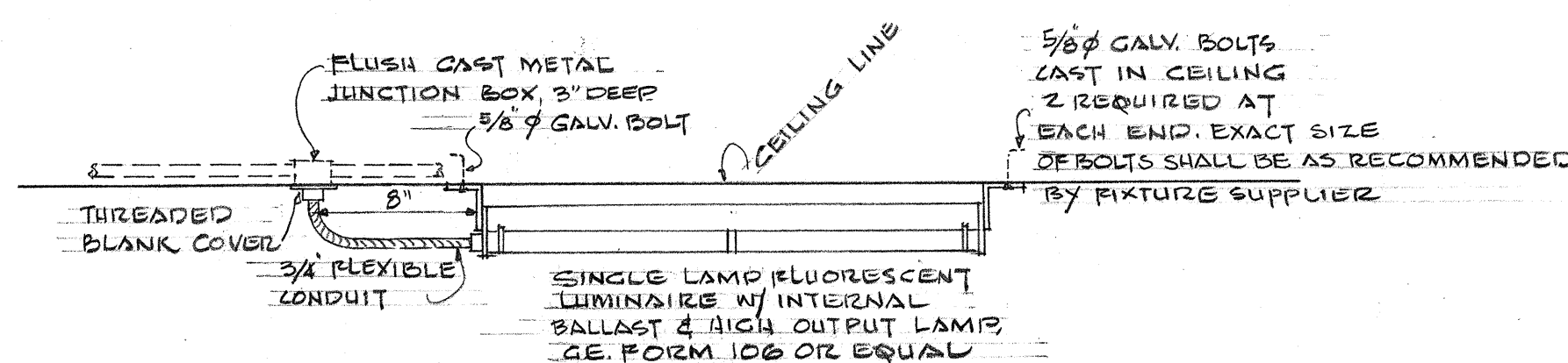
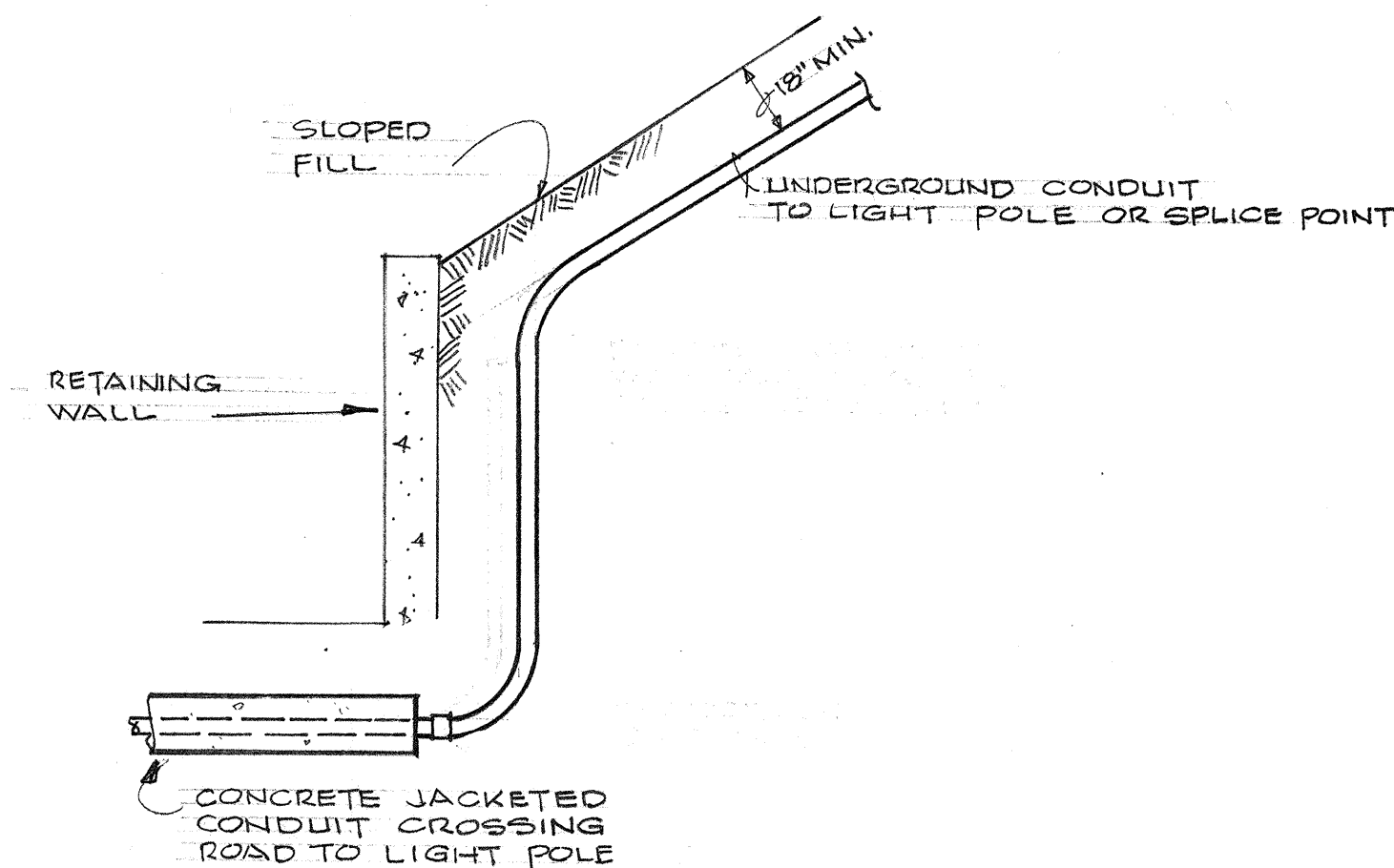
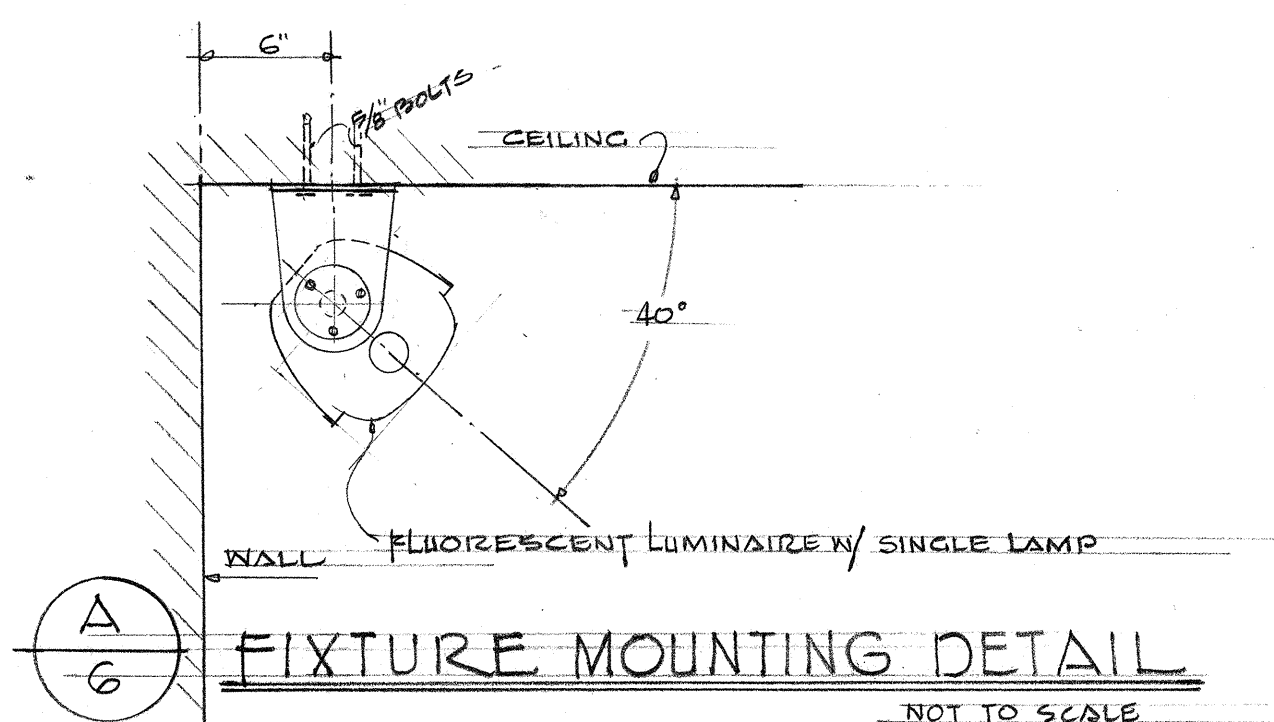
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U O G S 1 0 4 0 0 . 5 S

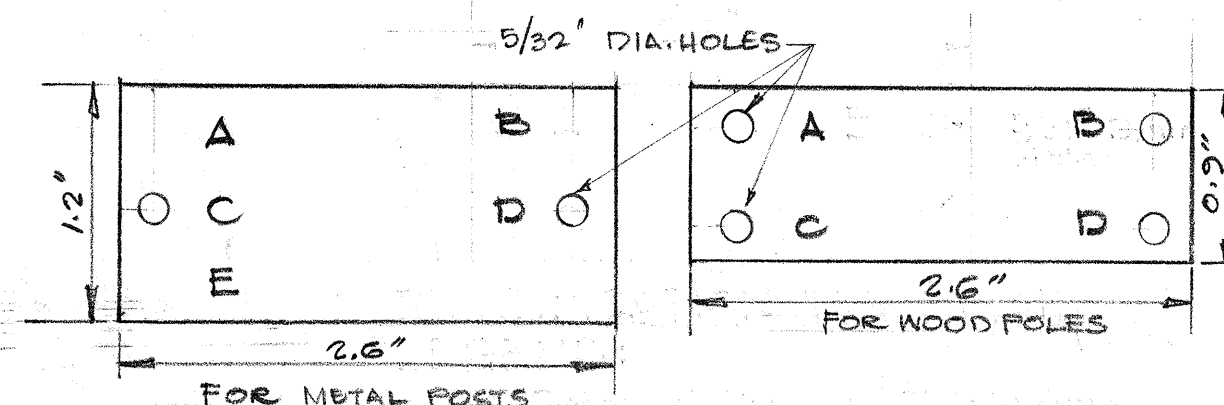
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161

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAWAII	U-072-1(3)	1953	135	246
		U-098-1(4)	1953	60	88
		F0020-1(3)	1953	66	93



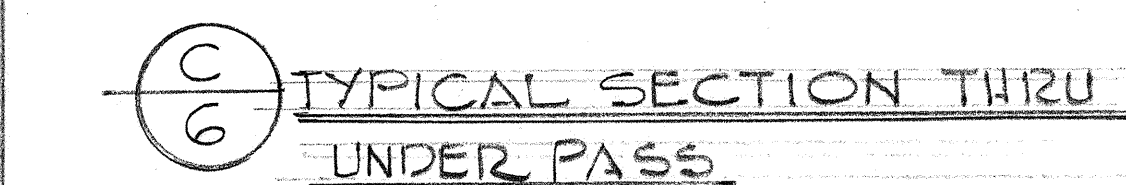
ALL FLUORESCENT LAMP BALLAST TO BE HPF ETL APPROVED TYPE.



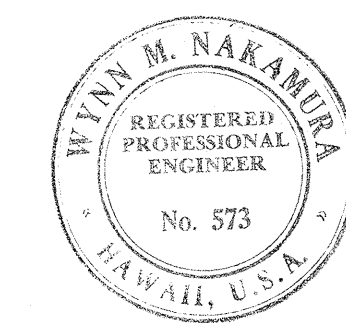
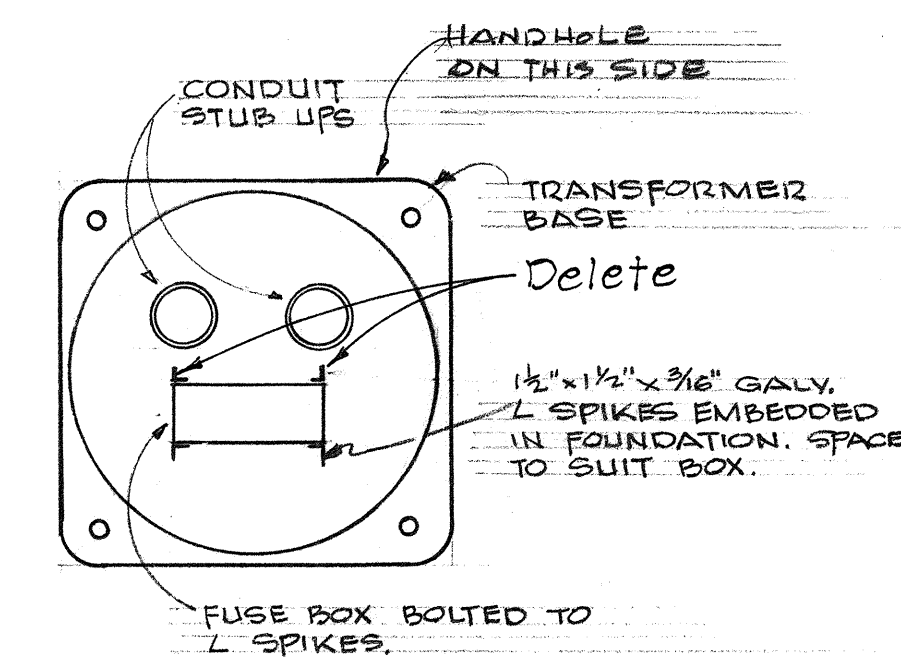
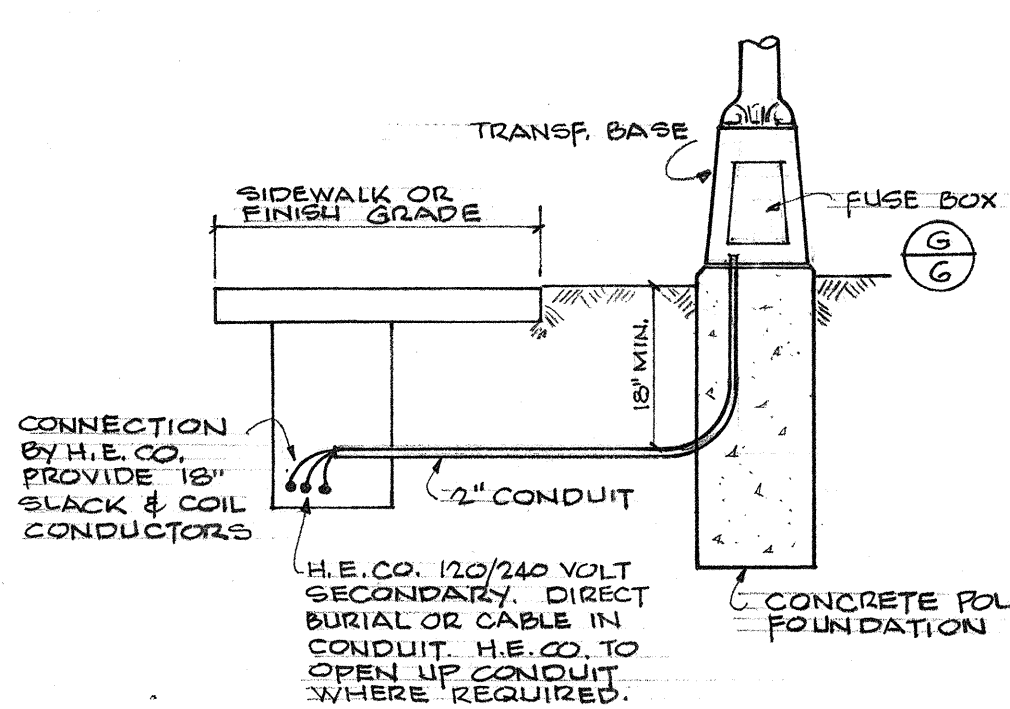
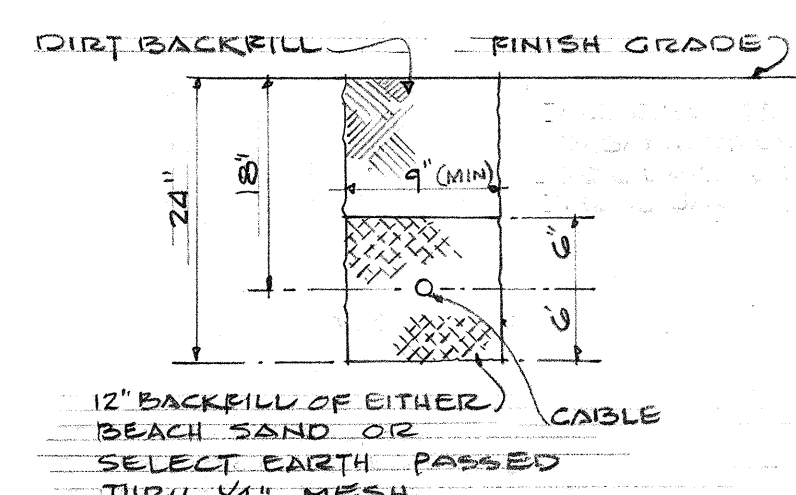
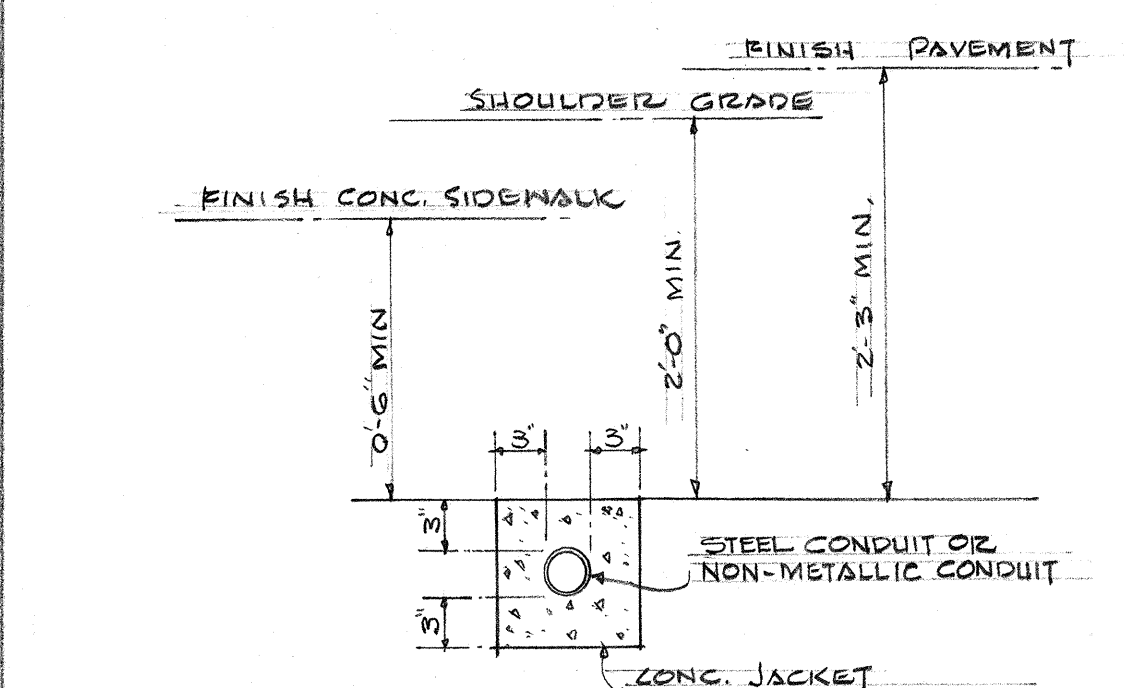
LEGEND:
A = CONTRACT NO. OBTAIN FROM STATE OR H.E. CO. LTD.
B = LIGHT NO. OBTAIN FROM CONTRACT DRAWING, STATE OR H.E. CO. LTD.
C = LAMP DATA, SEE BELOW
D = REFRACTOR DATA, USE ROMAN NUMERAL (IES TYPE AS INDICATED ON DRAWING OR IN SPECIFICATIONS, I THRU V)
E = POST NO. OBTAIN FROM STATE OR H.E. CO. LTD.

NOTES:
1: MAKE FROM LAMINATED PLASTIC (GRANOFLUX), BLACK ON WHITE
2: ATTACH TO ALUMINUM POSTS WITH NO. 7 AL. DRIVE SCREWS, ATTACH TO STEEL POSTS WITH NO. 7 CAD. PLATED DRIVE SCREWS, NO. 29 DRILL HOLES IN POSTS
3: ATTACH TO WOOD POLES WITH 4 D ALUMINUM NAILS
4: ATTACH 8'-0" ABOVE CURB, IF NO CURB, 8'-0" ABOVE FINISH GRADE
5: LETTERS - NO. 5 REDUCTION, 1/5" ENGRAVED OR STENCILED
6: ATTACH TO ALL POSTS WITH STATE MULTIPLE SYSTEM LUMINAIRE AND AS REQUIRED BY THE ENGINEER AND H.E. CO. LTD.

LAMP DATA CODE:
H 2500 - 250 WATT, STD WHITE
H 400 - 400 WATT, CLEAR
H 400C - 400 WATT, STD WHITE
IF POST IS DOUBLE BRACKET CODE SHALL INDICATE NUMBER AND TYPE OF LUMINAIRES, i.e. 2-H400 (TWO 400 WATT, CLEAR)
1-H2500/1-H400 (ONE 250, STD WHITE AND ONE 400 CLEAR)



TYPICAL DETAILS AT UTILITY CO. POLES
NOT TO SCALE



DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
STATE OF HAWAII

ELECTRICAL DETAILS

LUNALILO FREEWAY PROJ. NO. U-072-1(3)
VINEYARD BLVD. PROJ. NO. U-098-1(4)
LILIHA STREET PROJ. NO. F-090-1(2)

SHEET No. 6 OF 6 SHEETS

109010200.66

U09S10400.60

U07210300.135