

E.534,750

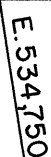
E.535,00

E.535, 23

E. 550, 0

E: 500

7

E.535,00

E.535, 23

E. 550, 0

E: 500

7

NOTES:

- 1/E2. CONNECT TO RACEWAY CAPPED BY OTHERS.
- 2/E2. CAP RACEWAY FOR EXTENSION BY OTHERS.
- 3/E2. CONNECT TO FEEDER TERMINATED HERE BY OTHERS. SEE NOTE 6/E1.
- 4/E2. TERMINATE FEEDER & GROUND WIRE HERE.
- 5/E2. RUN IN SPACE PROVIDED FOR CONCRETE CLOSURE
- POUR AT DECK EXPANSION JOINT (SEE HATCHED AREA ON SHEET 134)
- FOR LATERAL- FED LTG. STD. PROVIDE FEEDER TAP PER DETAIL 4/E4.
- 6/E2. IN PULLBOX INDICATED, USE 3/4" C FOR LATERAL.

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



THIS WORK WAS PREPARED BY
ME OR UNDER MY SUPERVISION.
M. A. Marszalew

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
LAND TRANSPORTATION FACILITIES DIVISION

ELECTRICAL PLAN

VIADUCT LIGHTING

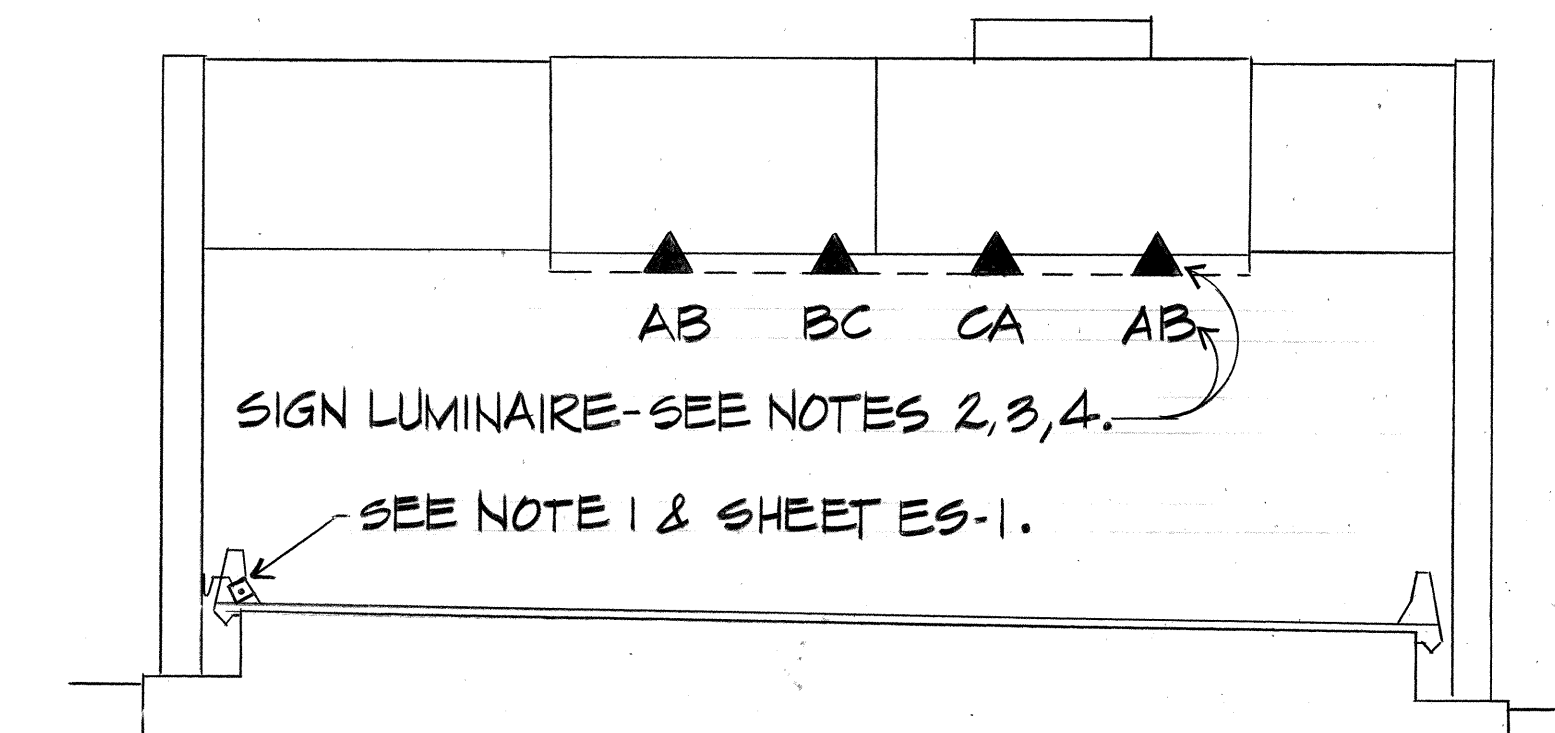
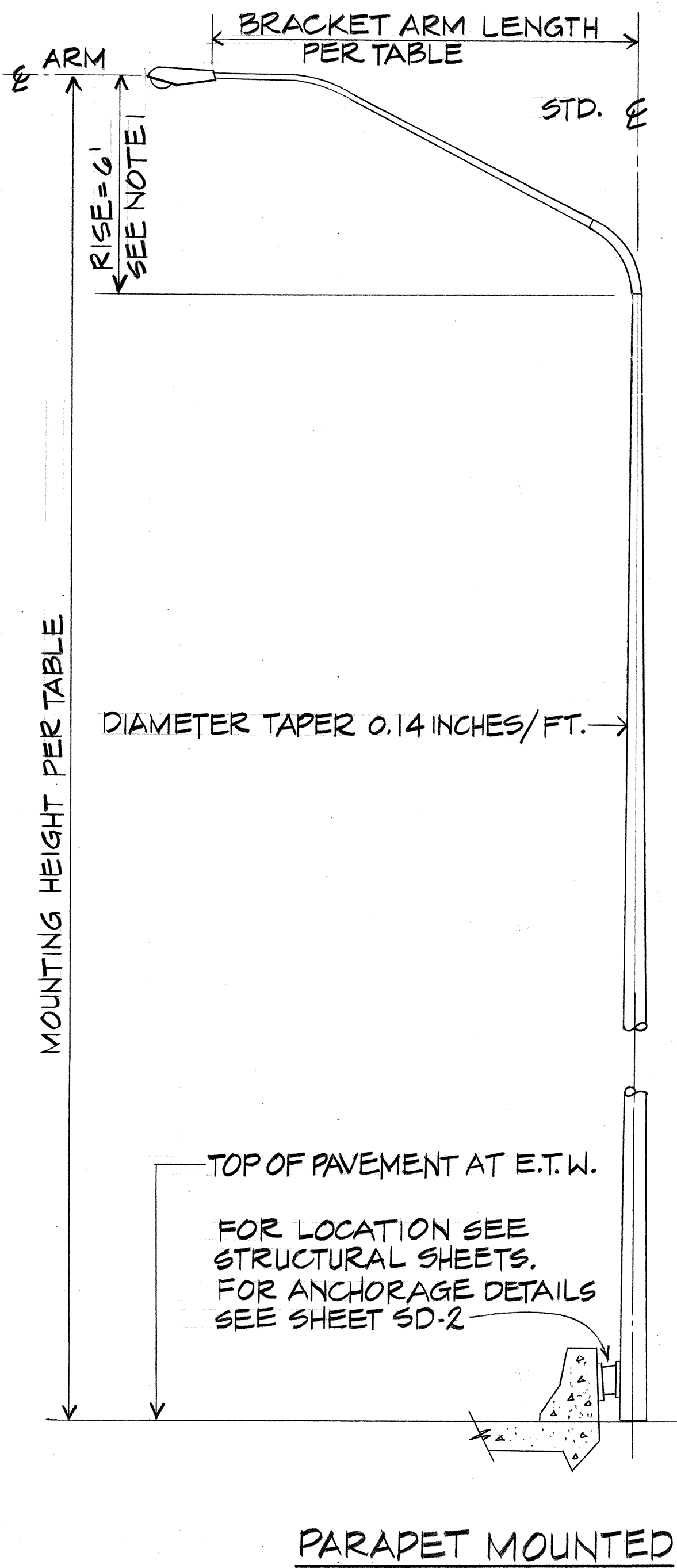
INTERSTATE ROUTE H-1
PROJECT NO. I-HI-1(168):17

SCALE: 1" = 50' DATE: 8/17/81
SHEET No. E-2 OF E-4 SHEETS

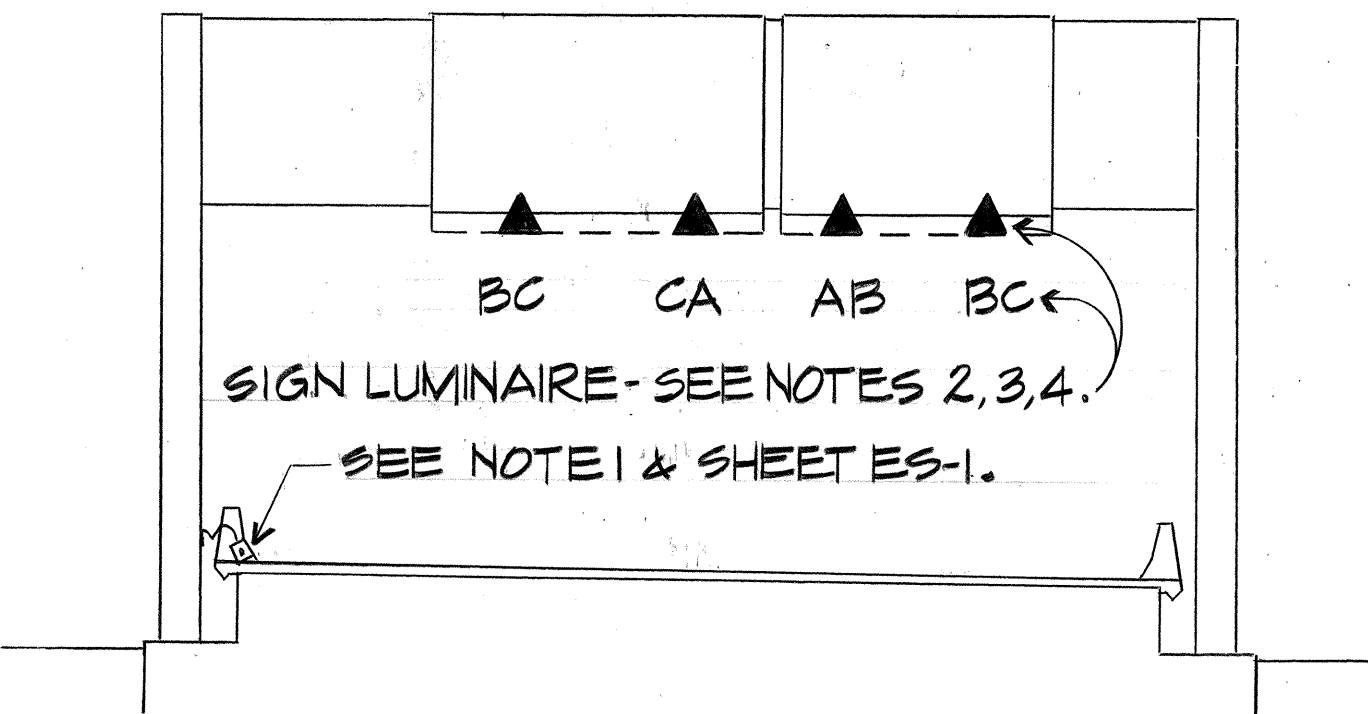
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HI-1(168)17	1982	42	145

LIGHTING STANDARD DATA											
LUMINAIRE NO EXIST'G. THIS CONT	BKT. ARM	ON STRUCTURE				MTG. HT.					FEEDER
		DECK	PARAPET								
2556	15FT.		X			45FT.					2 H 2
256											H 2
257											H 2B
2586											H 1
259											
260											
261	↓										↓
264	8FT										G 1
266	↓										G 1
268	↓										G 1B
270	12FT.		↓			↓					G 1A

FOOTNOTES TO TABLE:
 1. BRACKET ARM RISE IS SHOWN FOR 15-FT. ARM, OTHERS ARE PROPORTIONAL.
 2. CONNECTION OF THE FEEDER SERVING THIS LUMINAIRE TO THE PERMANENT POWER SUPPLY WILL BE MADE UNDER ANOTHER CONTRACT.



SIGN E-33



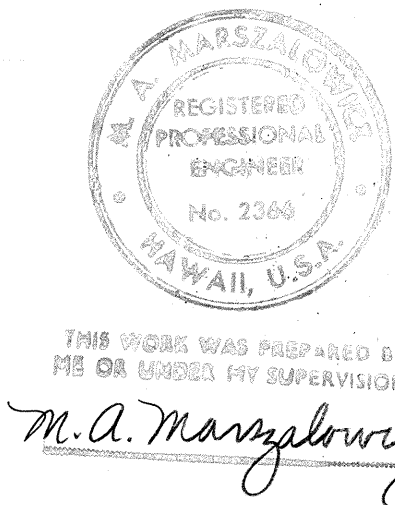
SIGN E-34

- NOTES:
 1. TAP FEEDER IN PULLBOX FOR SERVICE TO SIGN. SEE DETAIL 4/E4.
 2. PROVIDE A.N.S.I. LAMP DESIGNATION H37KB-250.
 3. FOR LOCATION AND SUPPORT OF SIGN LUMINAIRE SEE SHEET ES-4.
 4. CONNECT LUMINAIRE TO INDICATED PHASE.

DETAIL 2/E3 - SIGN LIGHTING

DETAIL 1/E3 - METAL LIGHTING STANDARD

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
DRAWN BY	DESIGNED BY	
NOTE BOOK	QUANTITIES BY	
CHECKED BY		



STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

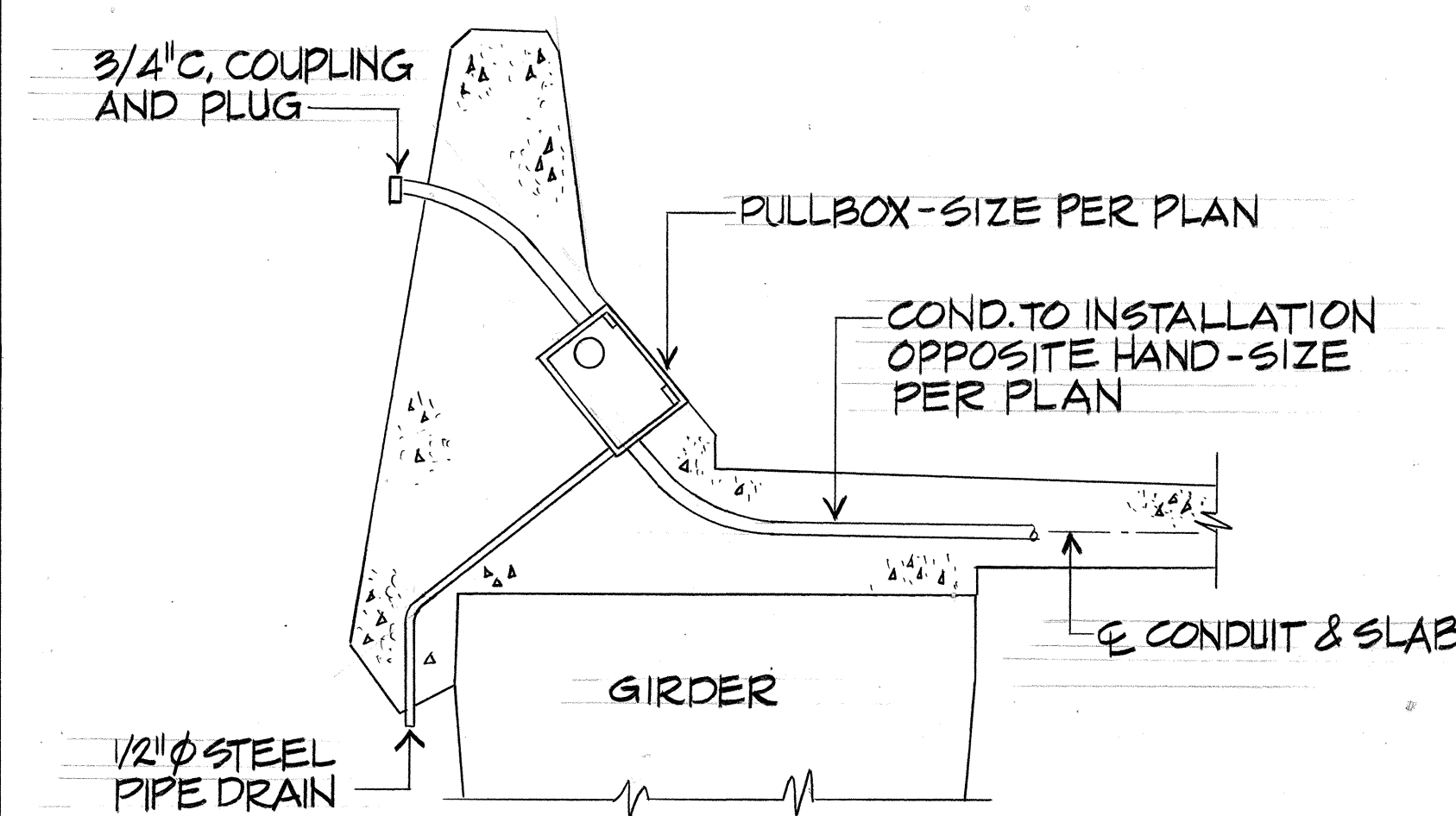
ELECTRICAL PLAN
DETAILS - PART I
INTERSTATE ROUTE H-1
PROJECT NO. I-HI-1 (168) 17

SCALE: NONE
DATE: 8/17/81
SHEET No. E3 OF E4 SHEETS

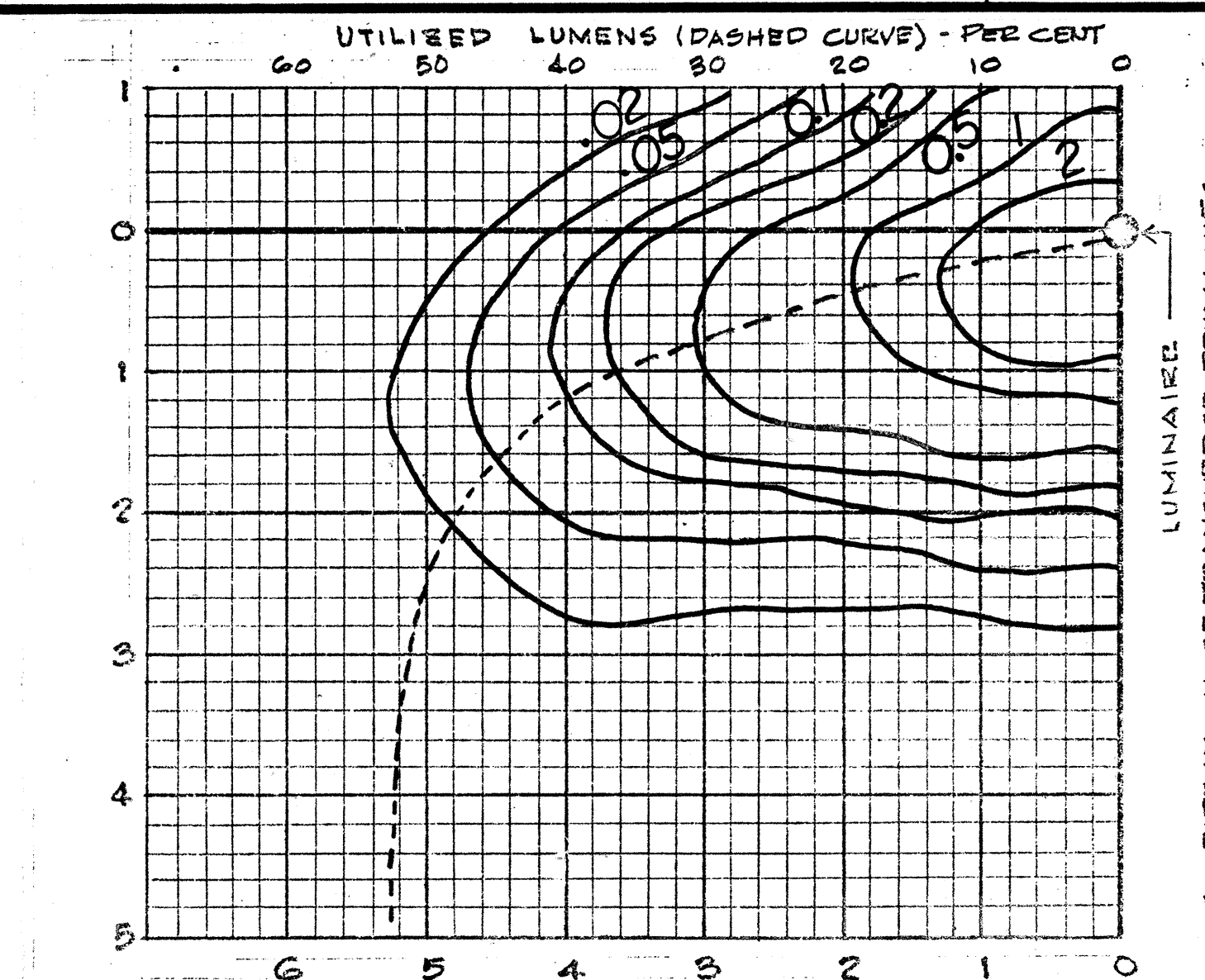
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HI-1(168)17	1982	43	145

NOTES:

- 1/E4. THE FOLLOWING LUMINAIRES ARE ACCEPTABLE AS LUMINAIRE #L2-W-S BUT DO NOT REQUIRE A SHIELD:
- A. WESTINGHOUSE OV-25, TU-DOOR, FLAT GLASS DESIGN, III SCO DISTRIBUTION.
 - B. GENERAL ELECTRIC M250R1 CUTOFF (DWG. NO. 35-176168)
- 2/E4. ISOFOOTCANDLE DISTRIBUTION IN THE RIGHT HAND QUADRANT IS AS SHOWN FOR LEFT QUADRANT.
- 3/E4. LIGHT DISTRIBUTION ABOVE THE HORIZONTAL SHALL NOT EXCEED 1 1/2% OF BARE BULB LUMENS ON THE STREET AND 1% ON THE HOUSE SIDE.



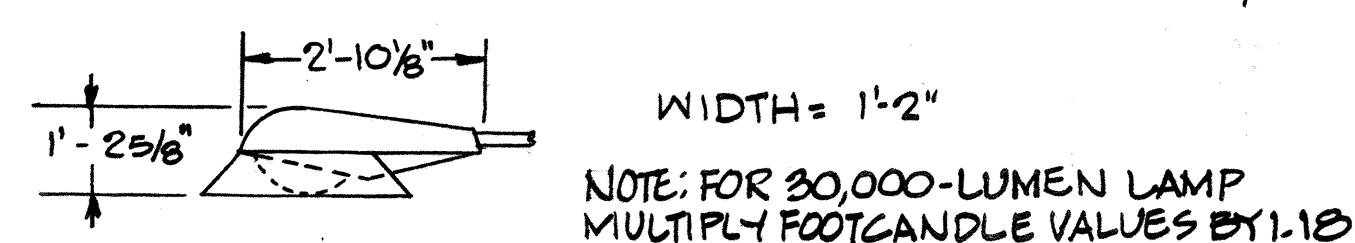
DETAIL 5/E4
COMMUNICATIONS FACILITY ON STRUCTURE
N.T.S.



ISOFOOTCANDLE & UTILIZATION CURVES
LUMINAIRE TYPE

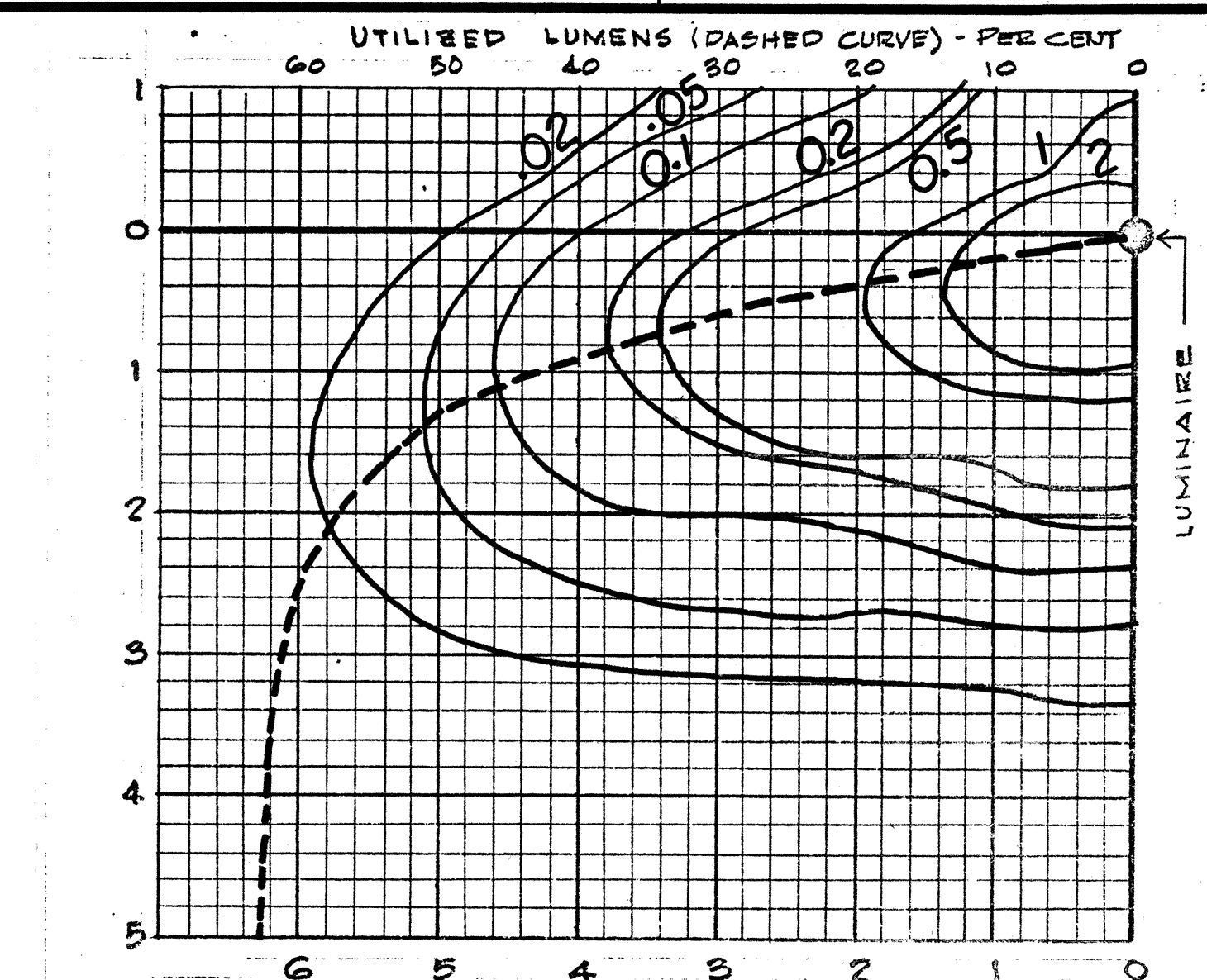
#L2-W-S

DATA BASED ON 250-WATT HPS 25,500 LUMEN LAMP @ 30' MTG.
PROVIDE A.N.S.I. LAMP DESIGNATION S50VA-250/S.



DETAIL 1/E4

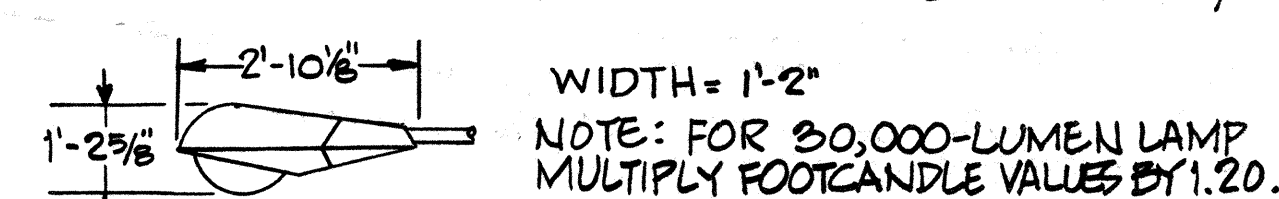
SEE NOTES 1, 2, 3/E4.



ISOFOOTCANDLE & UTILIZATION CURVES
LUMINAIRE TYPE

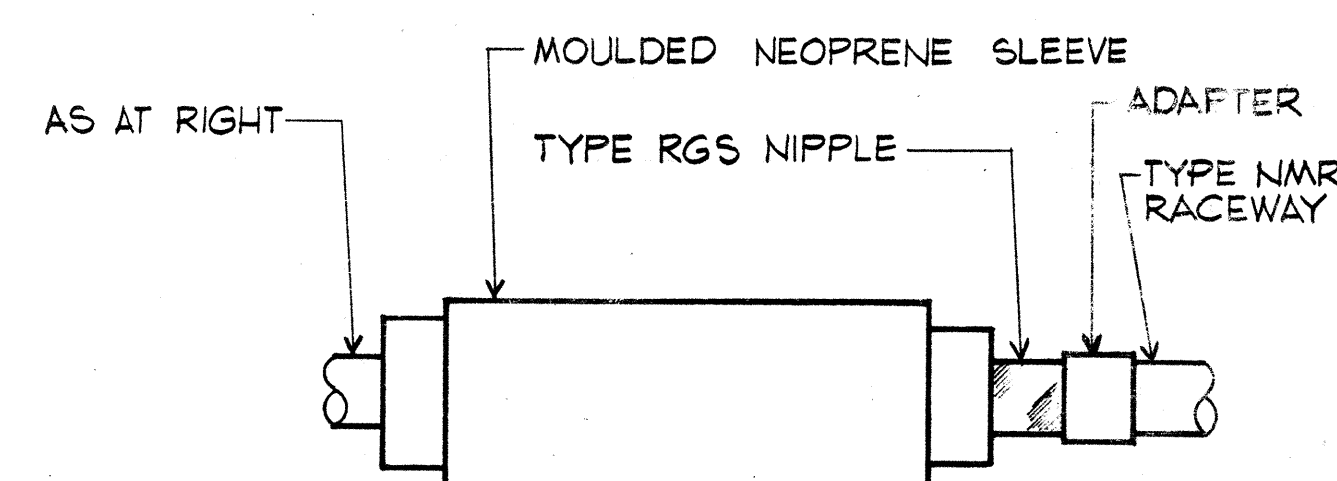
#L2-W

DATA BASED ON 250-WATT HPS 25,000 LUMEN LAMP @ 30' MTG.
PROVIDE A.N.S.I. LAMP DESIGNATION S50VA-250/S.

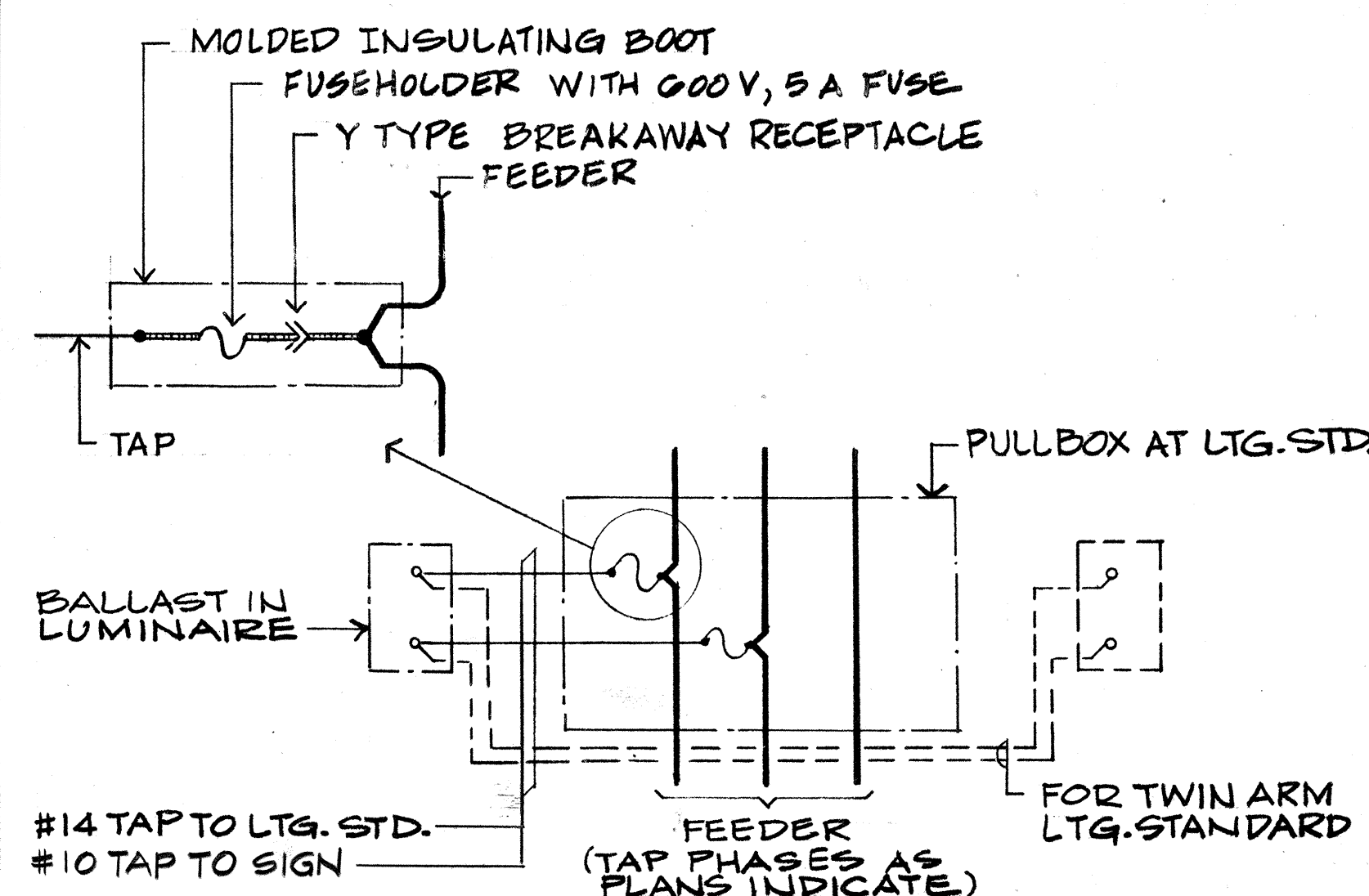


DETAIL 3/E4

SEE NOTES 2, 3/E4.



DETAIL 2/E4
EXPANSION - DEFLECTION FITTING



DETAIL 4/E4
TAP TO LTG. STD. LUMINAIRE
TAP TO SIGN LUMINAIRES



THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION
M. A. Manzanilla

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ELECTRICAL PLAN

DETAILS - PART II

INTERSTATE ROUTE H-1
PROJECT NO. I-HI-1 (168): 17

SCALE: NONE DATE: 8/17/81
SHEET No. E 4 OF E 4 SHEETS