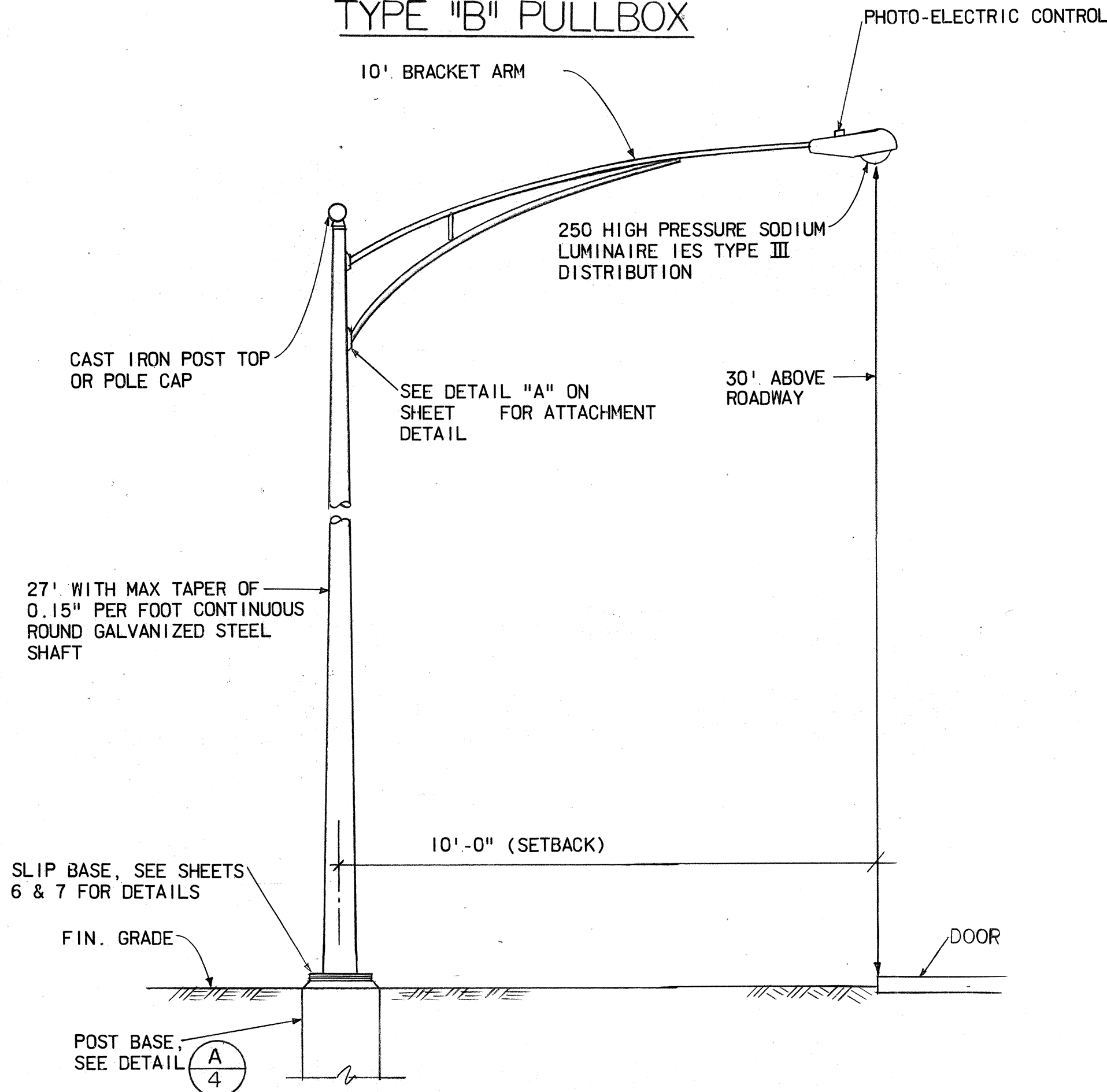
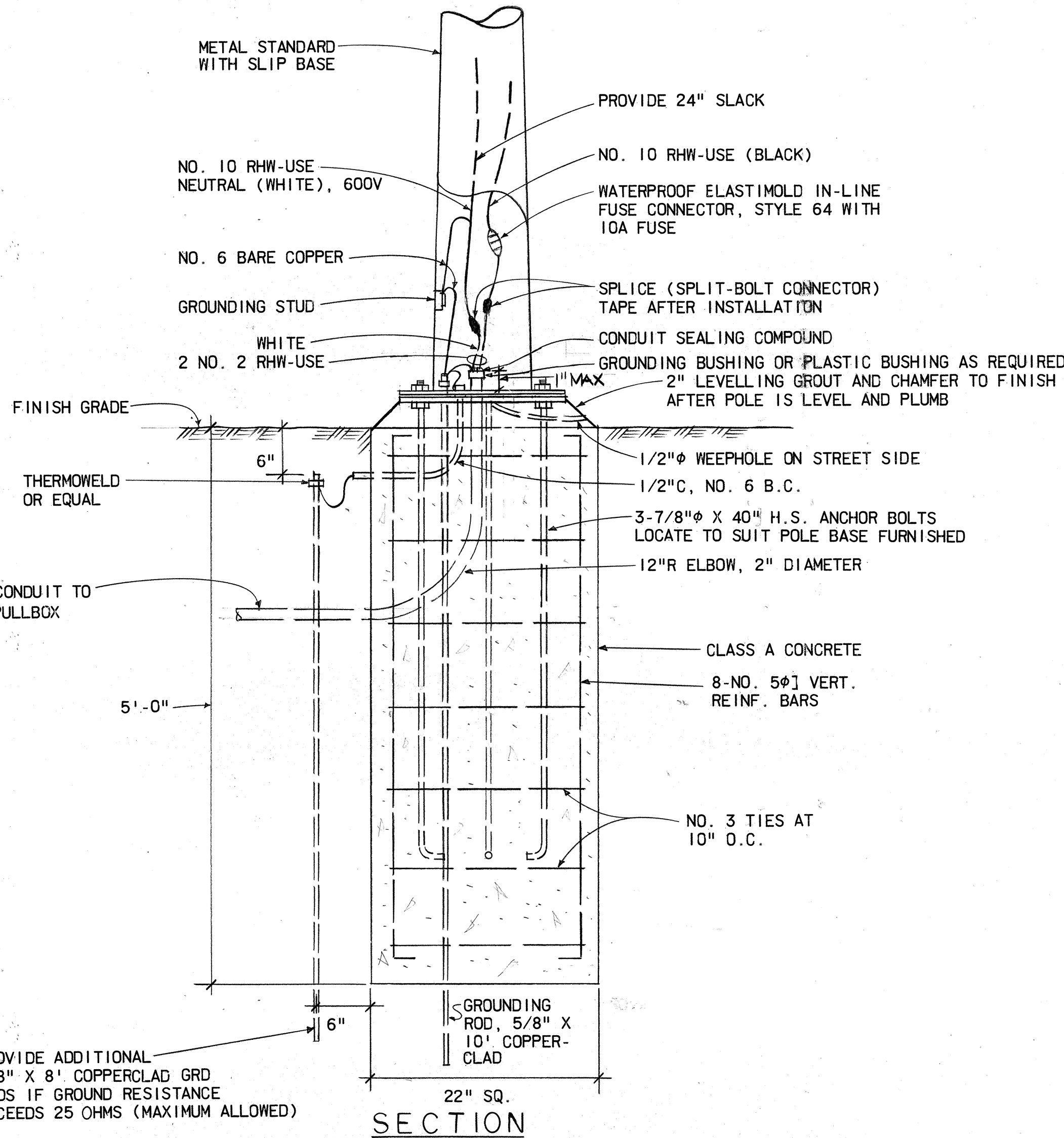
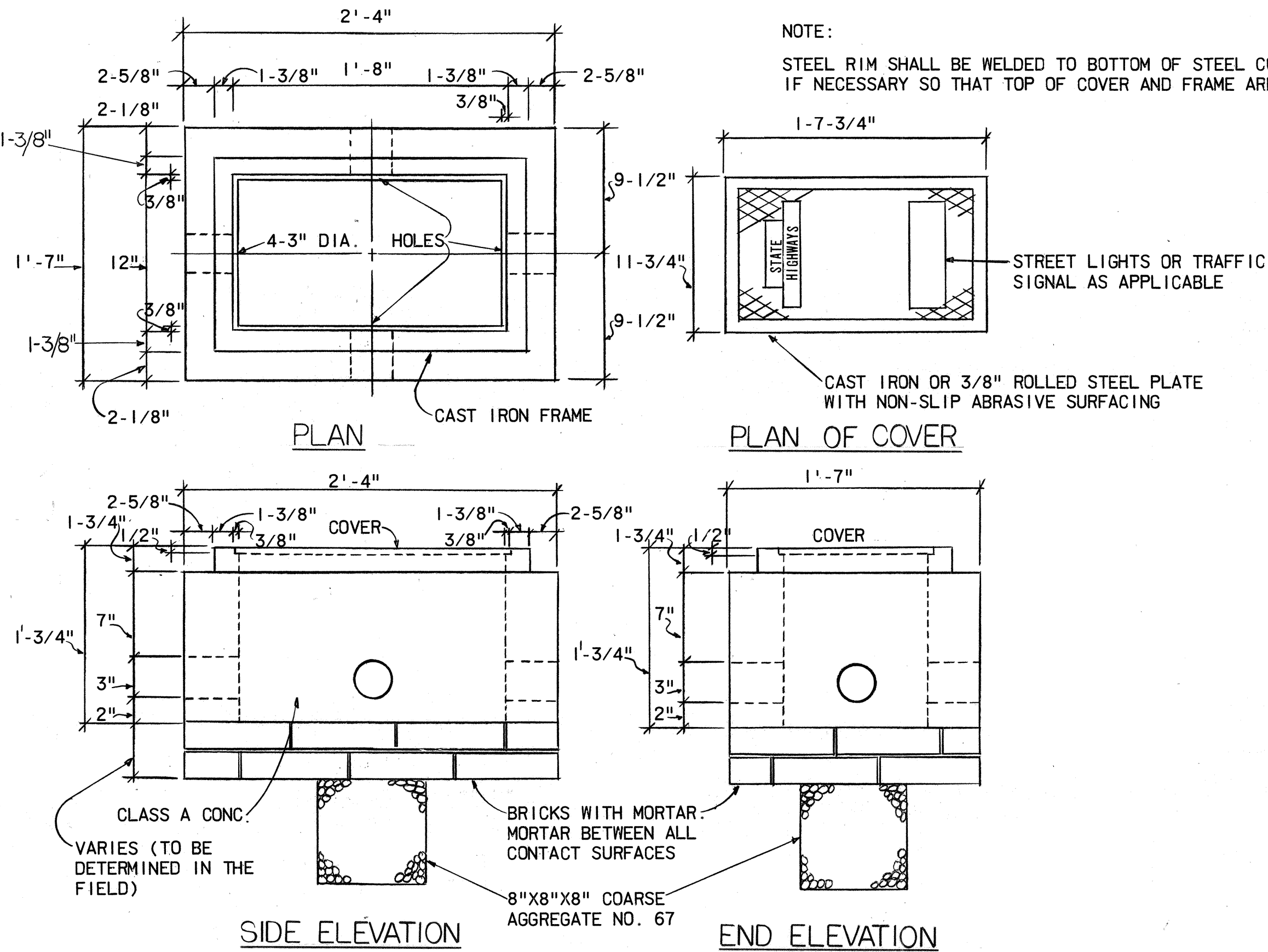
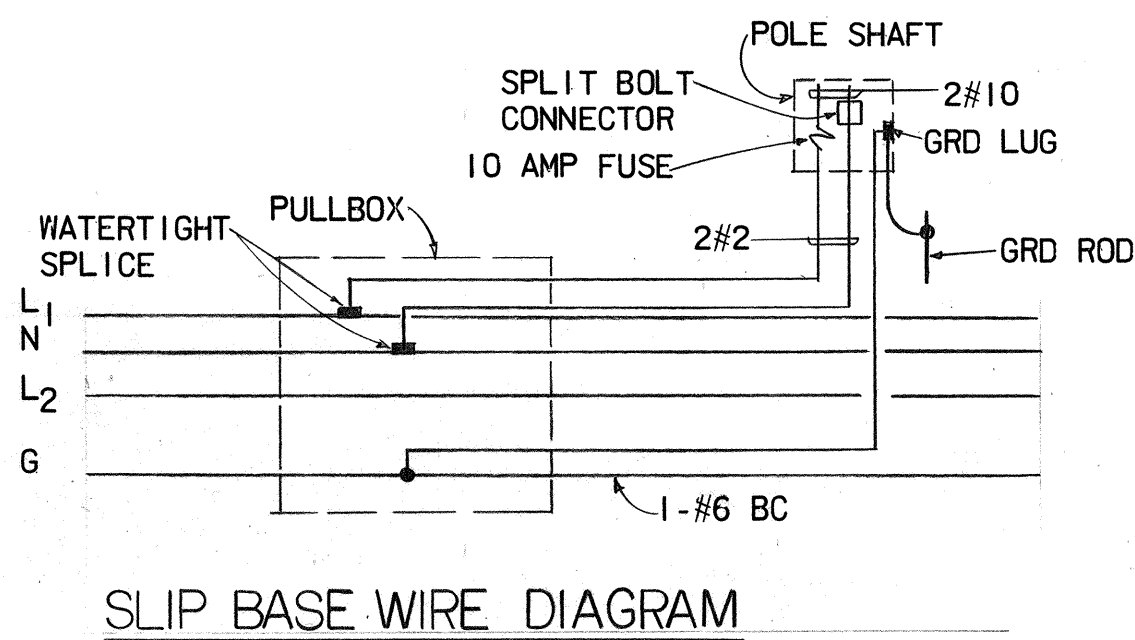


FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	99C-02-79	1982	4	7



POLE BASE DETAIL
N.T.S.

STREET LIGHT STANDARD
N.T.S.



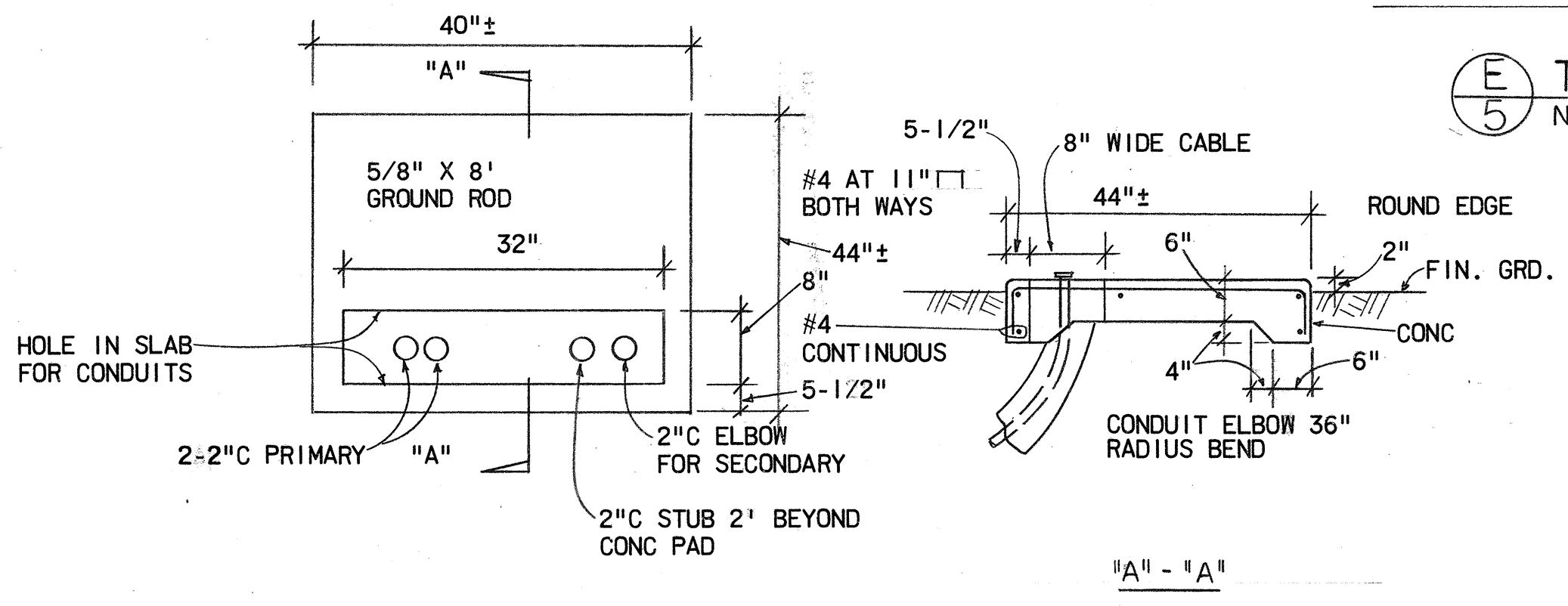
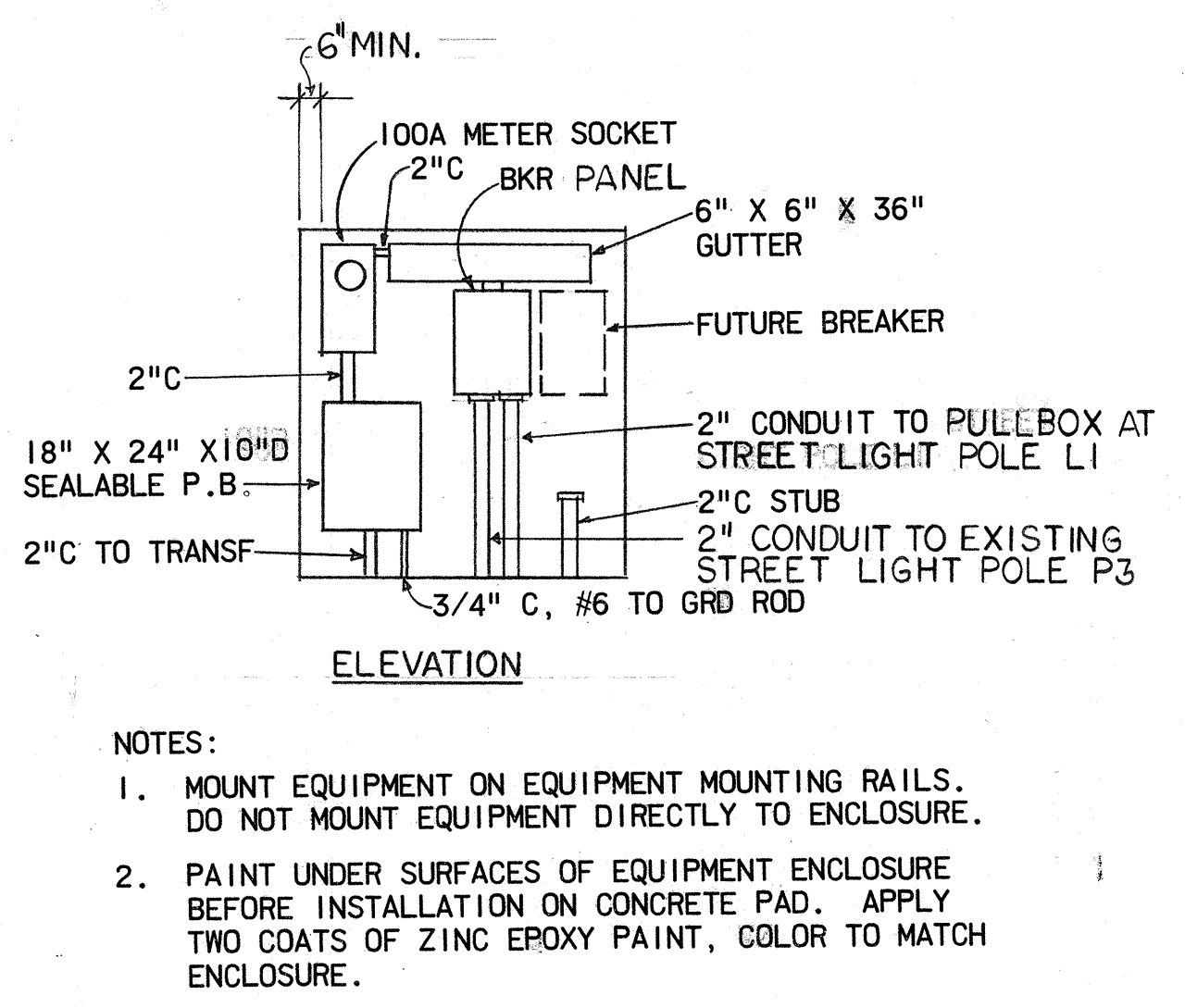
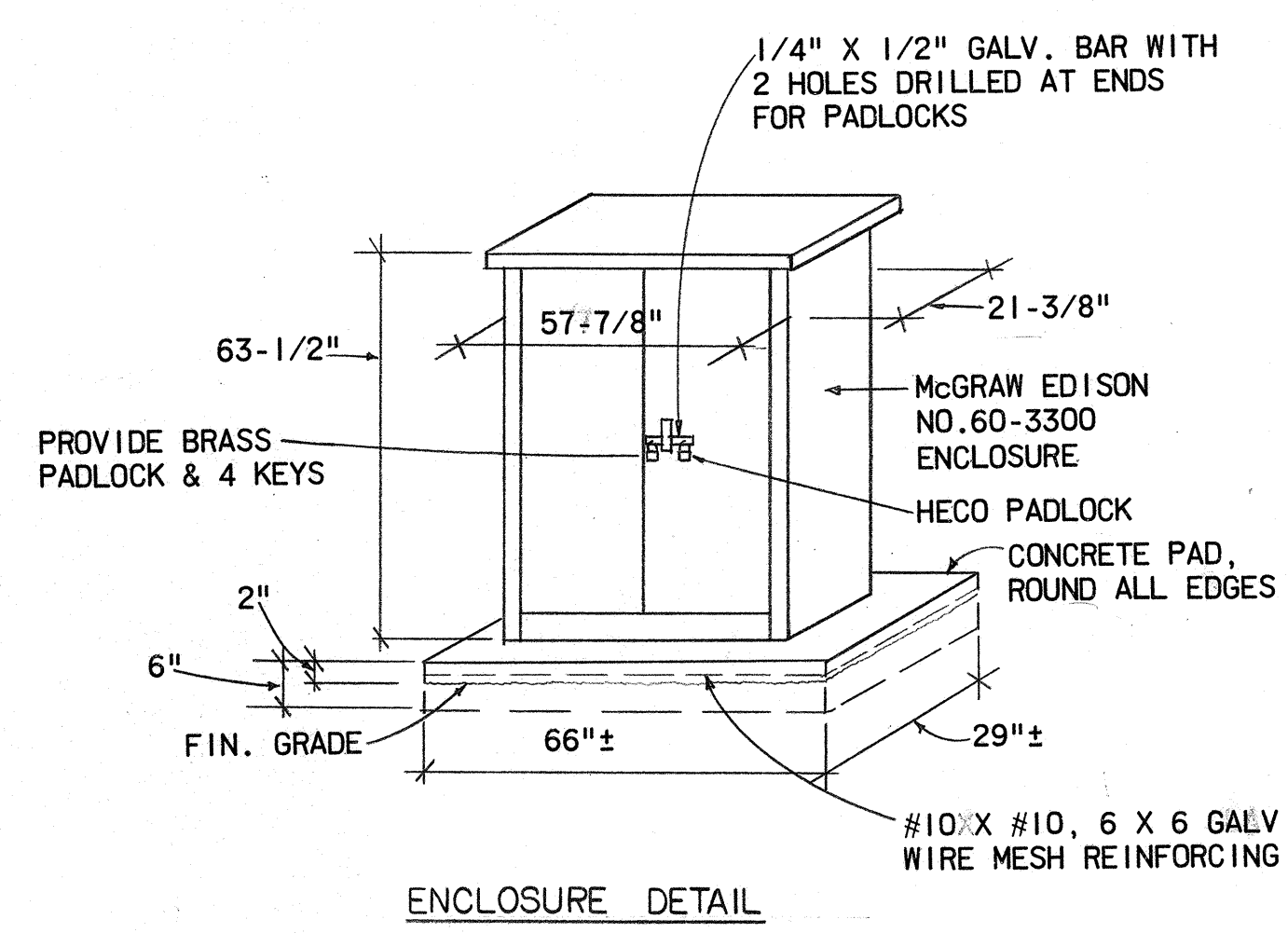
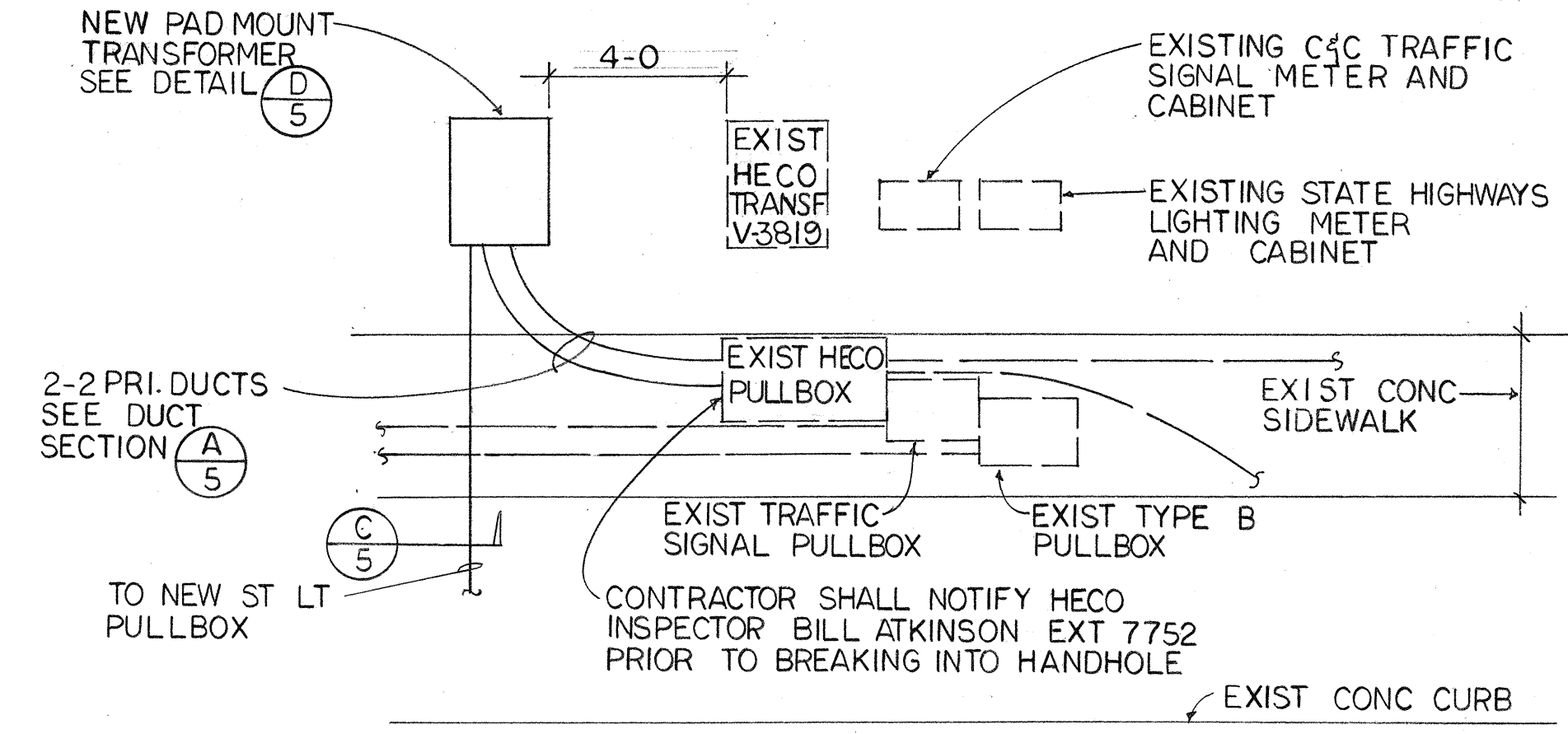
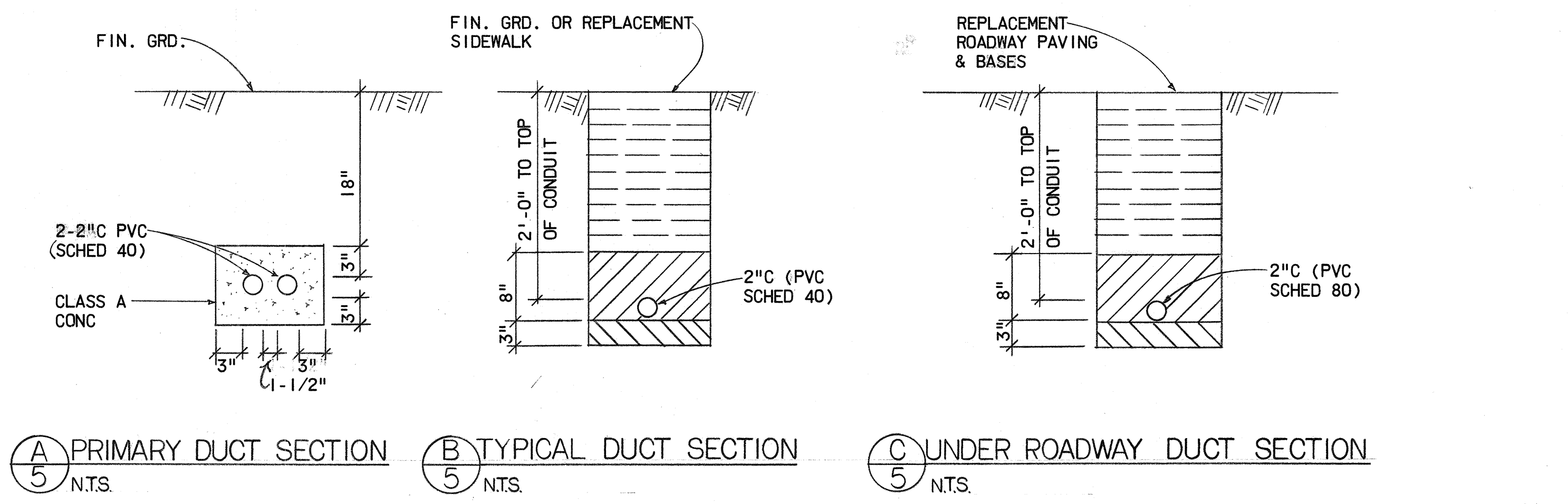
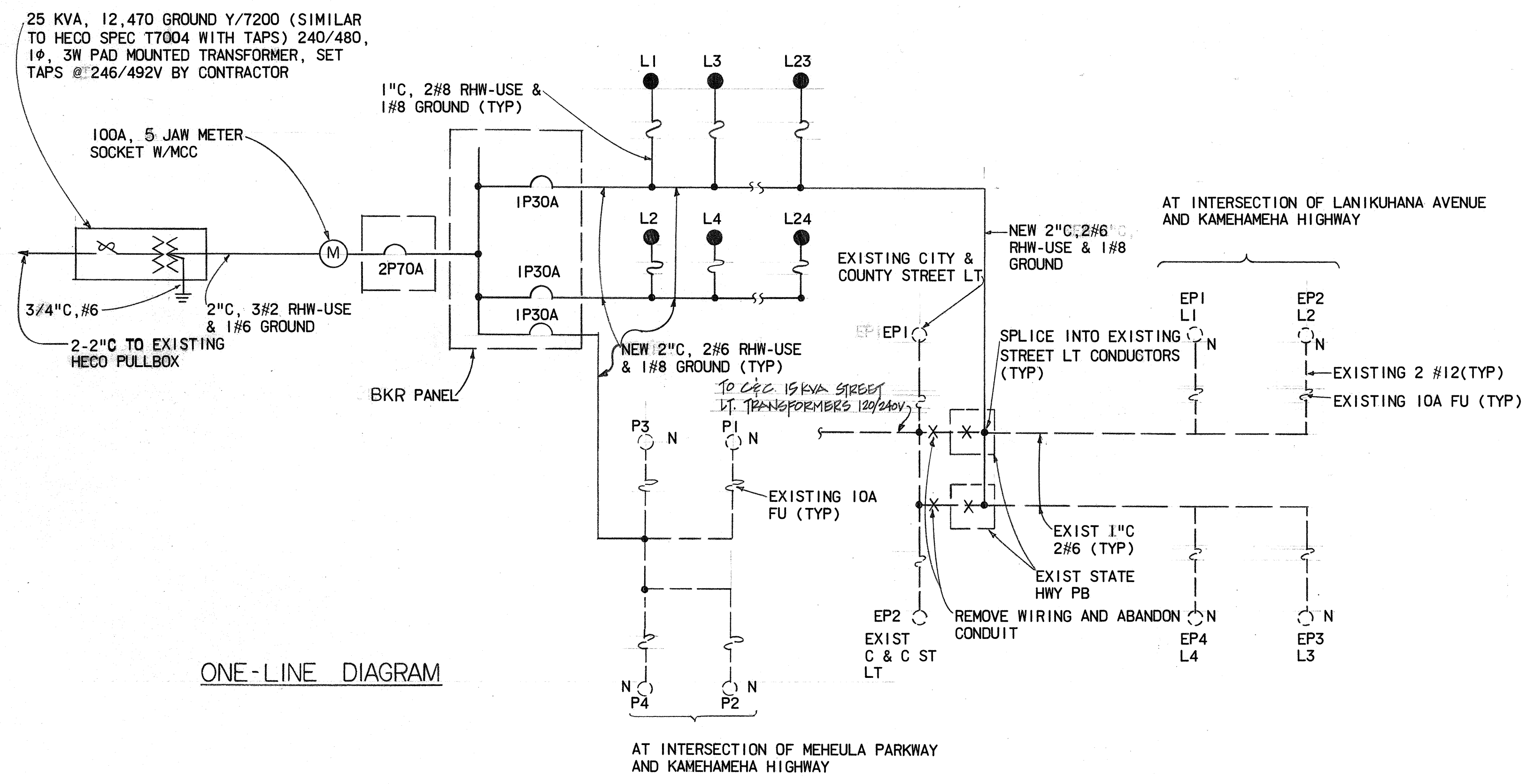
THIS WORK WAS PREPARED BY ME
OR UNDER MY SUPERVISION
Albert S. C. Chong

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

KAMEHAMEHA HIGHWAY STREET LIGHTS
MEHEULA PARKWAY TO LANIKUHANA AVENUE
PROJECT NO. 99C-02-79

SHEET No. 4 OF 7 SHEETS

FED. ROAD DIST. NO.	STATE	FED-AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	99C-02-79	1982	5	7



- NOTES:
- CONTRACTOR TO OBTAIN WRITTEN APPROVAL FROM HAWAIIAN ELECTRIC COMPANY FOR PAD MOUNT TRANSFORMER TO BE FURNISHED PRIOR TO ORDERING OF TRANSFORMER.
 - CONTRACTOR TO PROVIDE ONE SET OF SPARE PRIMARY FUSES FOR PAD MOUNT TRANSFORMER IN PRIMARY SECTION OF TRANSFORMER ENCLOSURE.

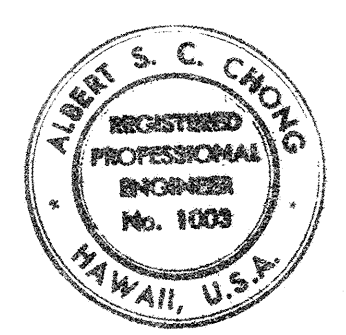
APPROVED:

John E. Elliot

HAWAIIAN ELECTRIC COMPANY

3/17/80

DATE



STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

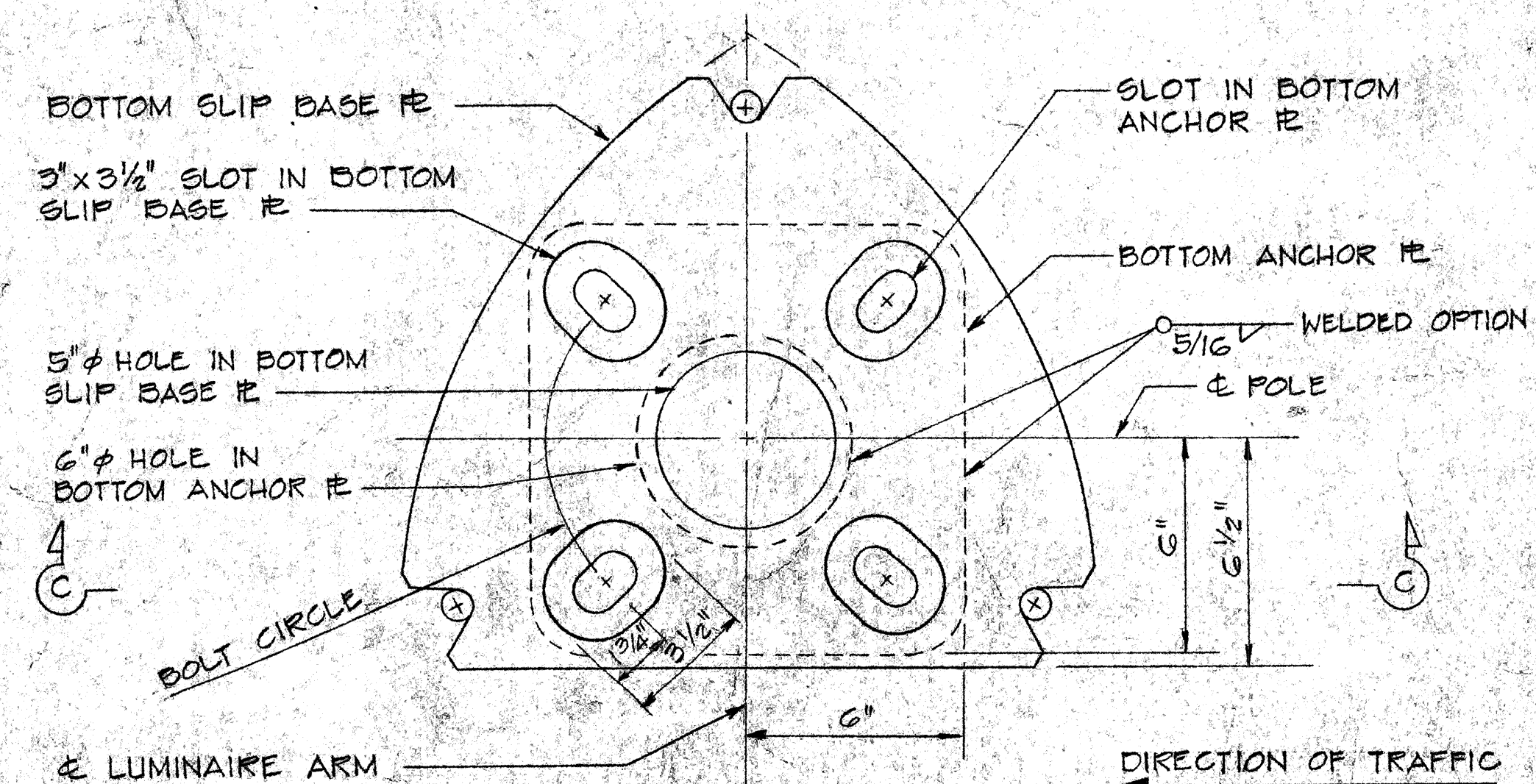
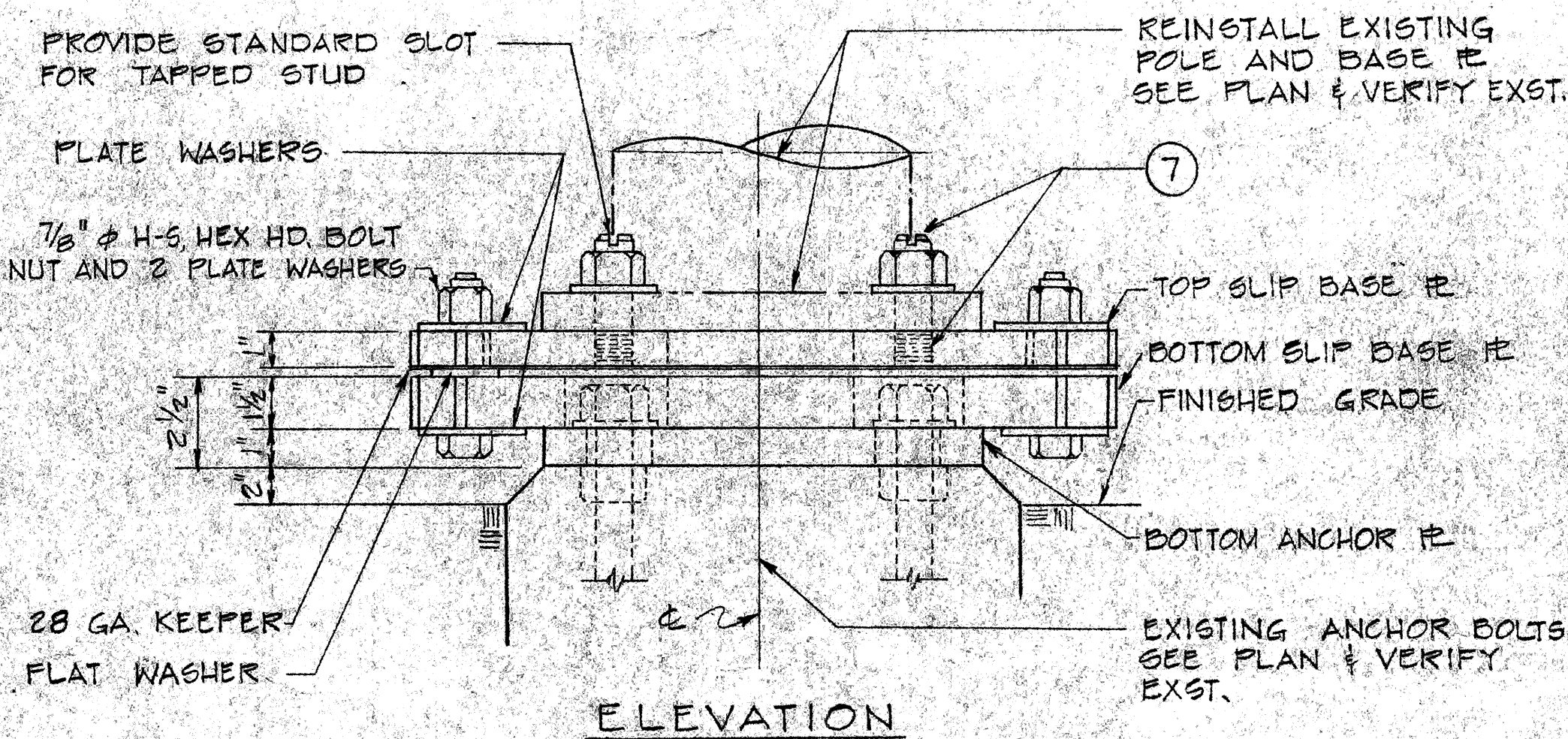
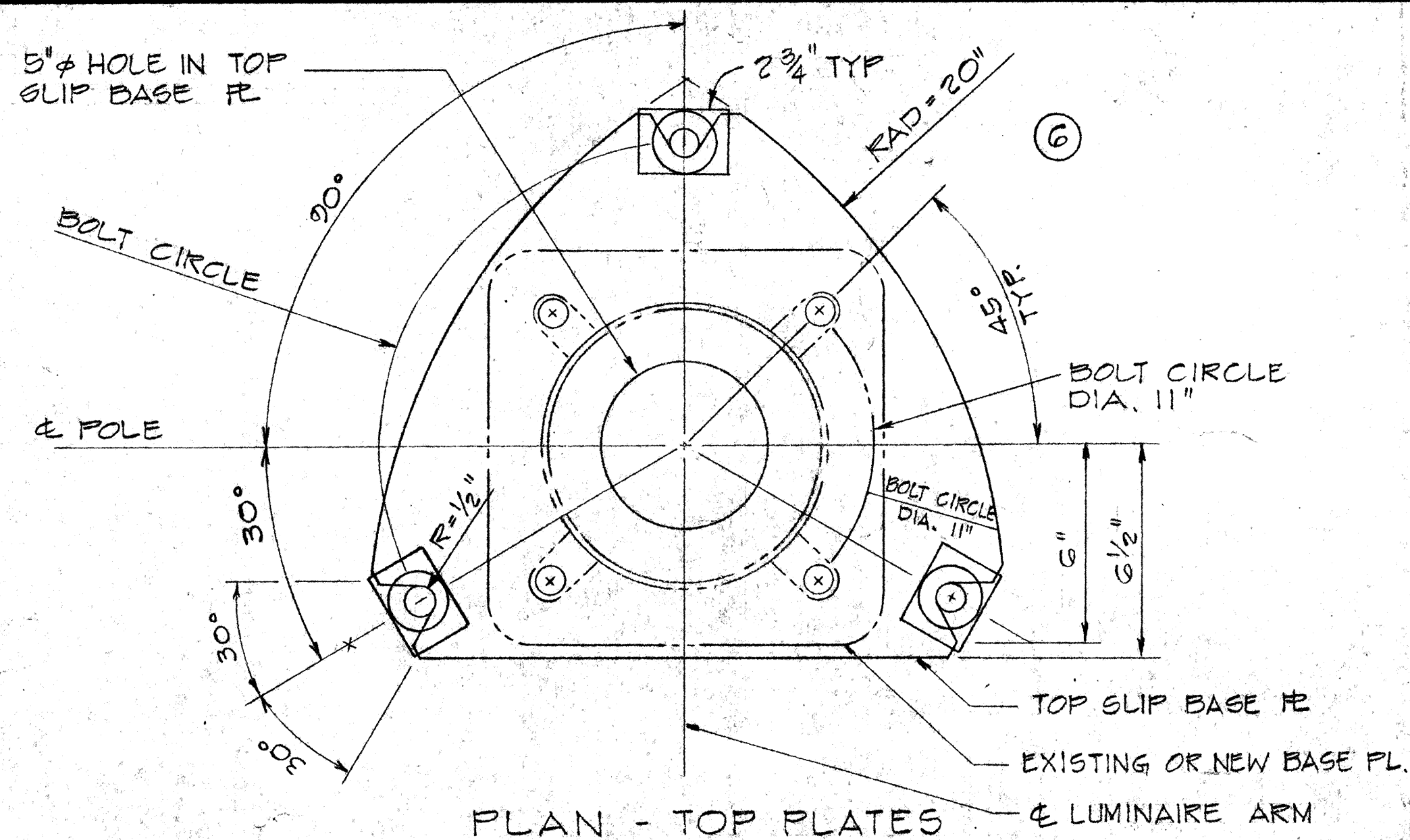
KAMEHAMEHA HIGHWAY STREET LIGHTS
MEHEULA PARKWAY TO LANIKUHANA AVENUE
PROJECT NO. 99C-02-79

SERVICE EQUIPMENT ENCLOSURE DETAIL N.T.S.

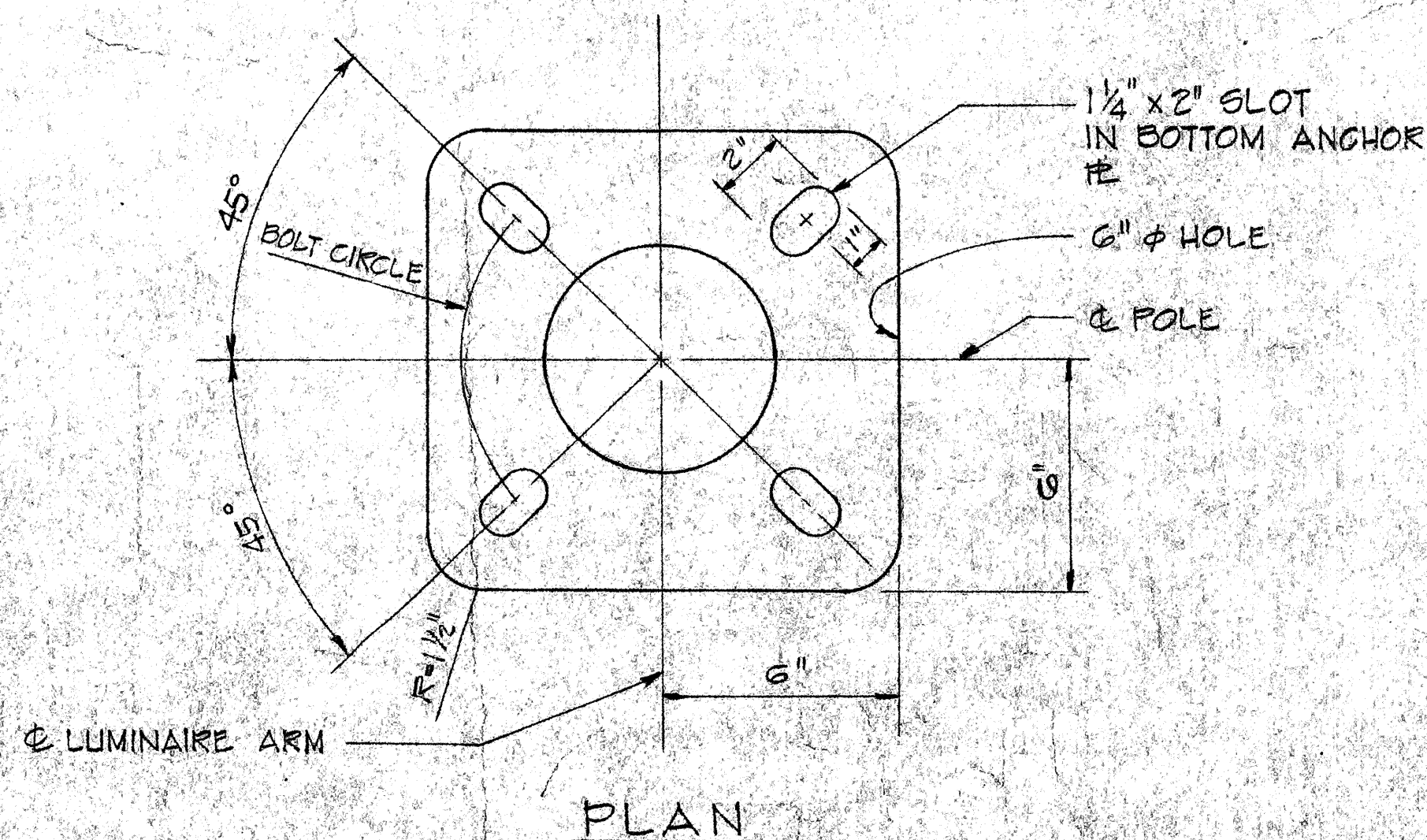
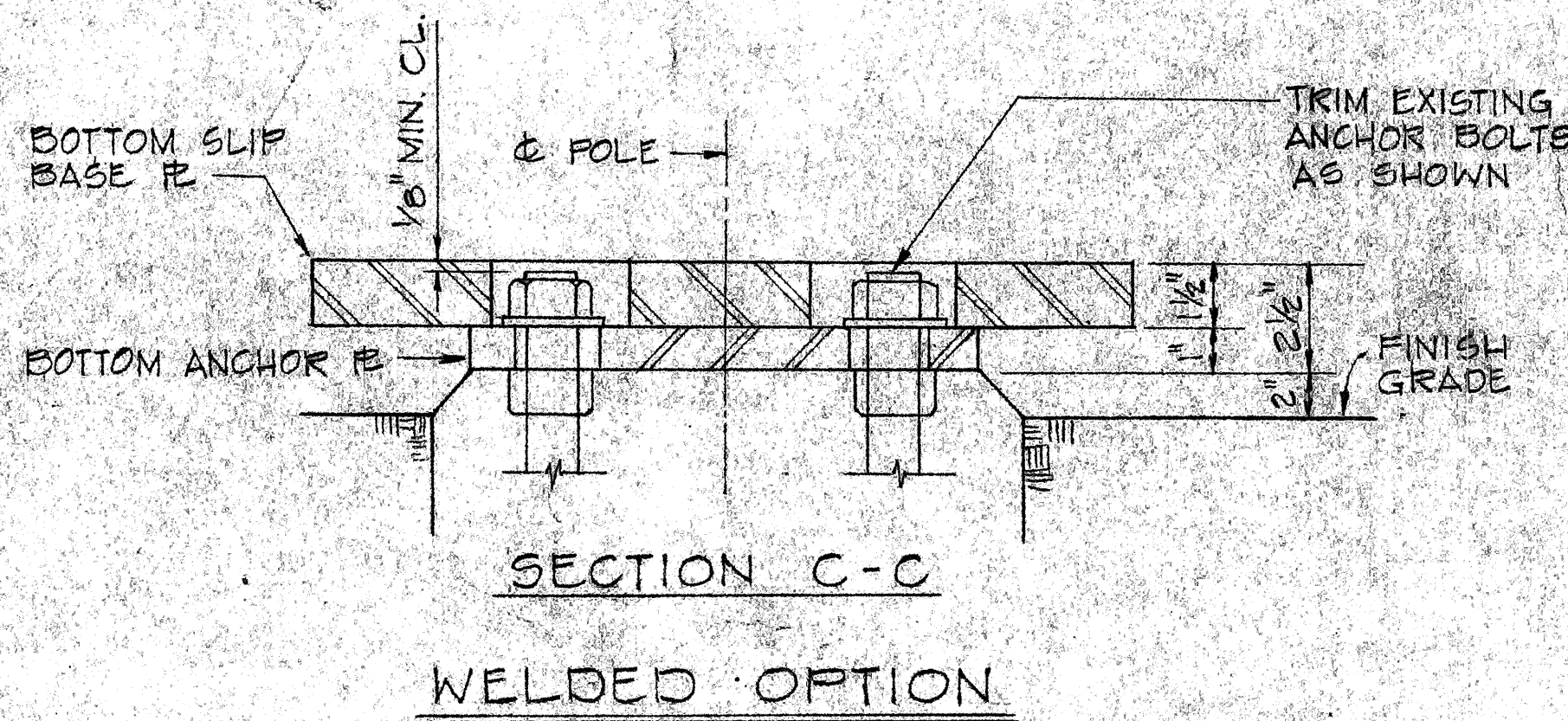
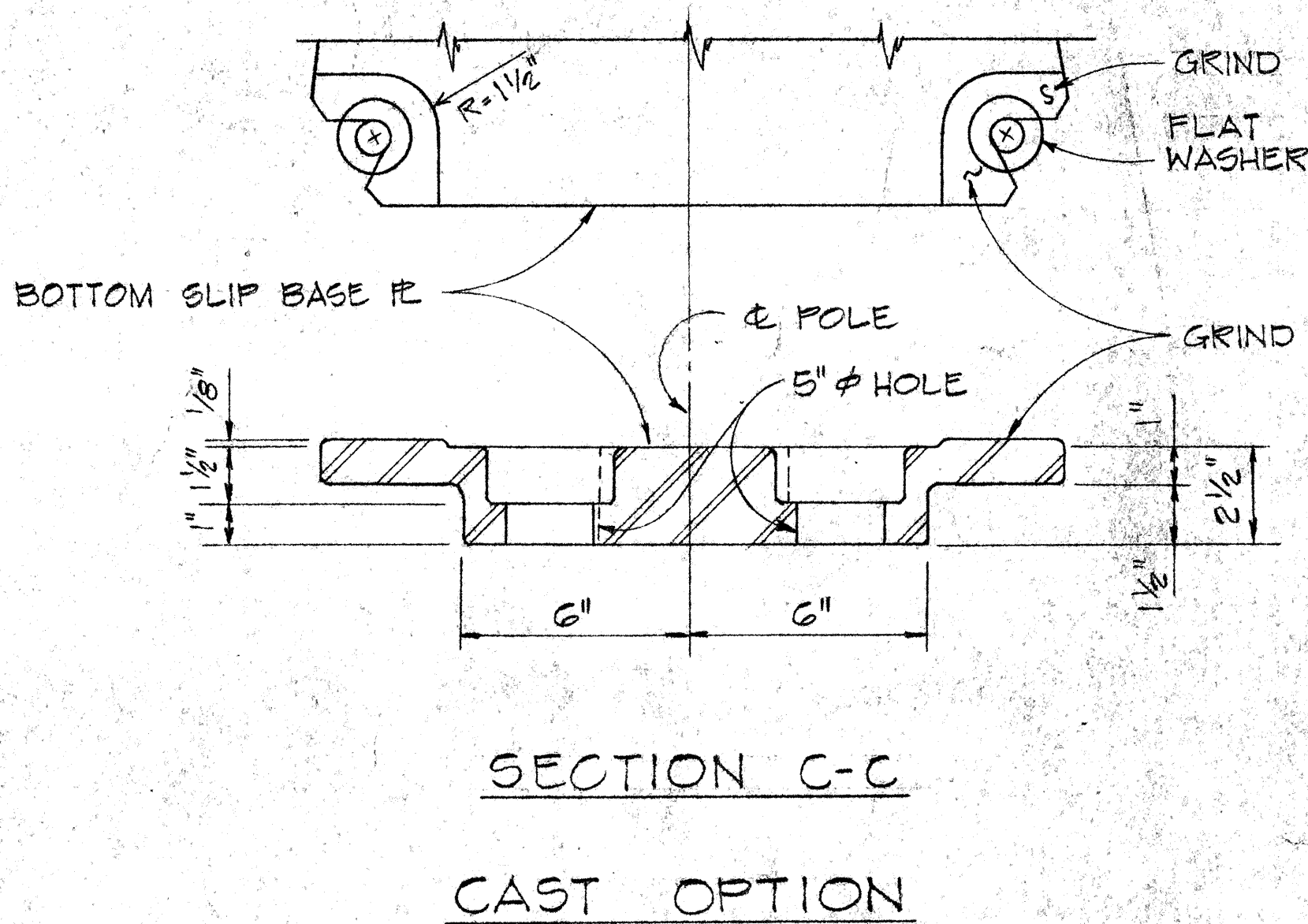
FED. ROAD DIST. NO.	STATE	FED-AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	99C-02-79	1982	6	7

NOTES

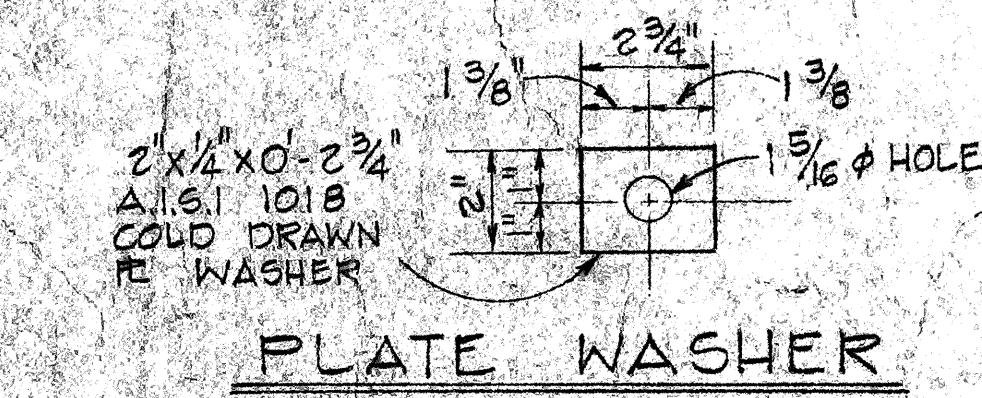
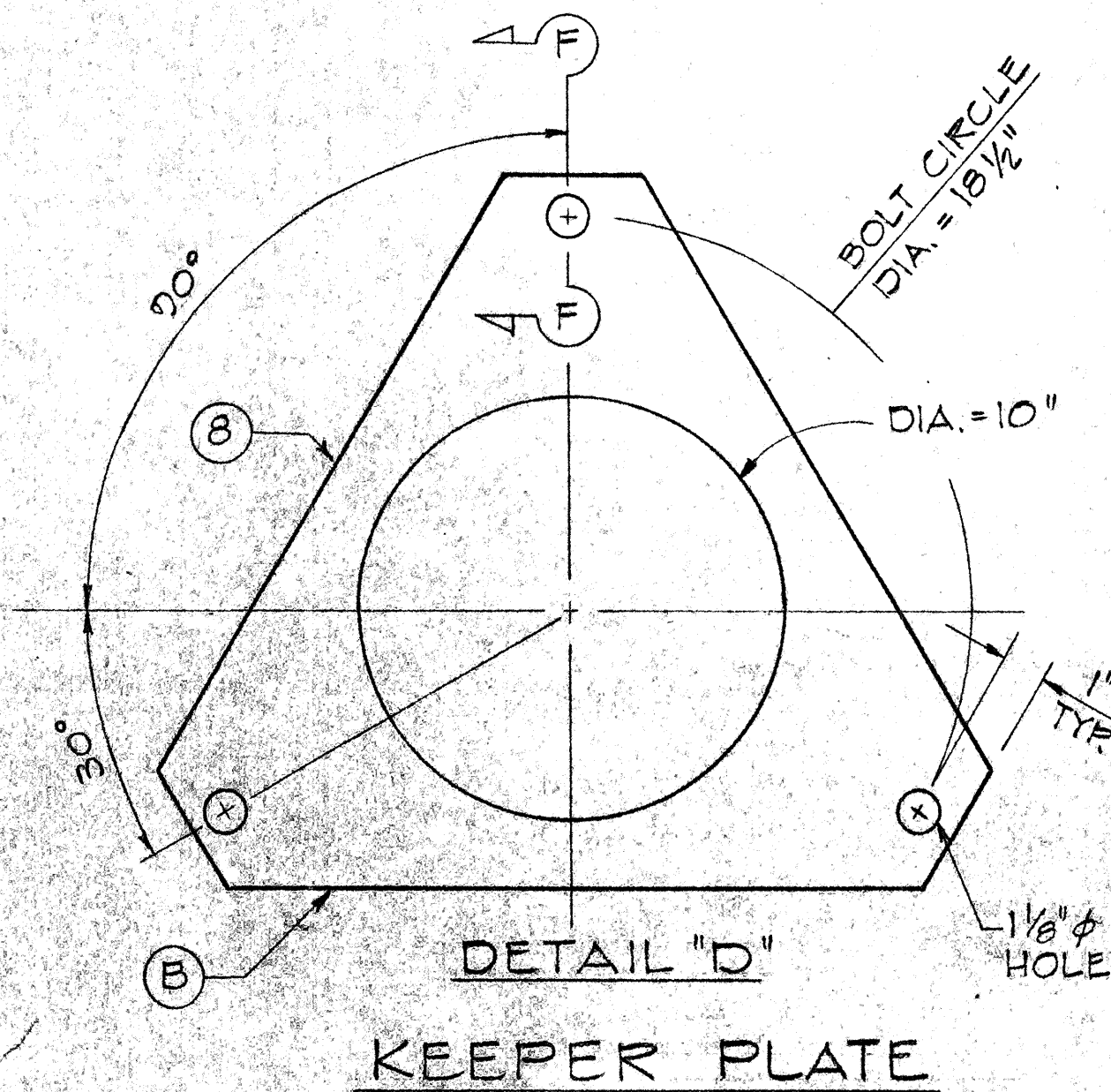
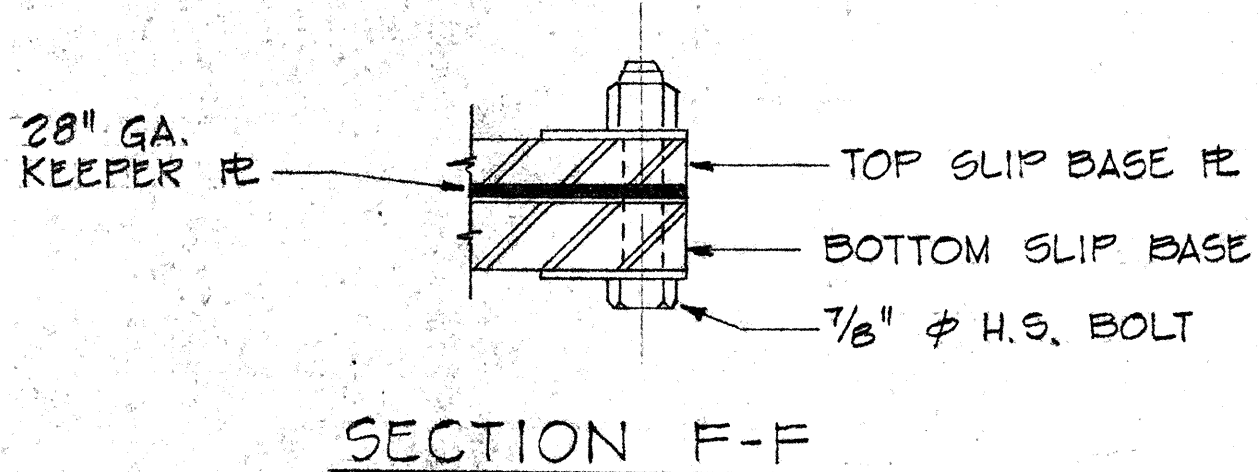
1. ALL NEW MATERIAL TO BE GALV. AFTER FABRICATION.
2. TORQUE $\frac{7}{8}$ " H.S. SLIP BASE PLATE BOLTS TO 84 FT. LBS.
3. ALL SLOTS TO BE FILLED W/MASTIC
4. PLATE SHALL CONFORM TO A.S.T.M. A-36
5. CAST OPTION SHALL CONFORM TO A.S.T.M. A-486-CL. 20.
6. FLAT WASHER SHALL CONFORM TO A.S.T.M. A-325
7. 1" DRILLED & TAPPED STUD IN TOP SLIP BASE PLATE. INSERT STUD & CENTER PUNCH @ BOTTOM PERIPHERY TO LOCK TAPPED BOLT IN PLACE PRIOR TO GALV. OR 1" DRILLED STUDS CONN. W/ FULL PENETRATION BUTT WELD.
8. 28 GA. KEEPER PLATE. PLACE ON TOP OF MIDDLE FLAT WASHER A.S.T.M. A526, 125 COMMERCIAL.



PLAN - BOTTOM PLATES
NOTE: THIS DETAIL APPLICABLE TO EXISTING POLE REQUIRING SLIP BASE INSERT
SLIP BASE PLATE INSERT DETAILS



PLAN
BOTTOM ANCHOR PLATE DETAILS



STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
HIGHWAY LIGHTING
SLIP BASE INSERT STANDARD
KAMEHAMEHA HIGHWAY STREET LIGHTS
MEHEULA PARKWAY TO LANIKUHANA AVENUE
PROJECT NO. 99C-02-79
SCALE: AS NOTED
DATE: _____
SHEET No. 6 OF 7 SHEETS

FED. ROAD DIST. NO.	STATE	FED-AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	99C-02-79	1982	7	7

NOTES

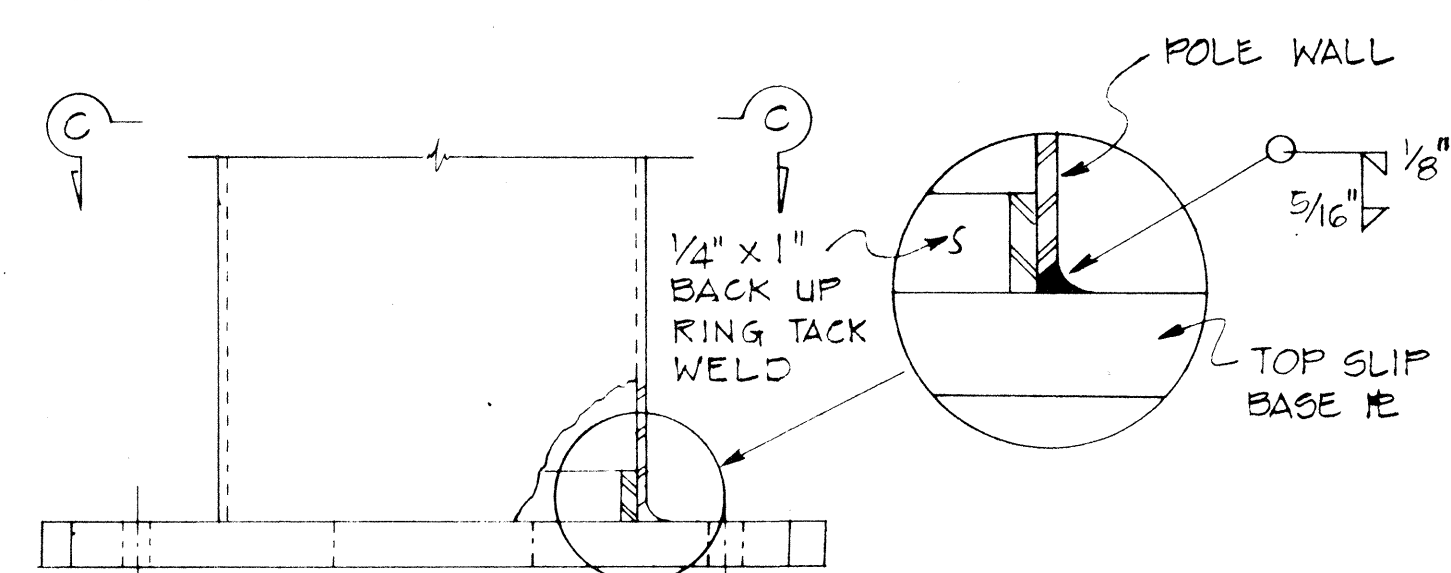
- ALL STEEL SHAFTS, P'S, MAST ARMS, BOLTS, SCREWS NUTS & WASHERS TO BE GALV. AFTER FAB. OR MODIFICATION.
- P'S TO CONFORM TO ASTM A-36.
- CAST OPTION TO CONFORM TO ASTM A-486 CL. 30.
- TORQUE 7/8" P.H.S. SLIP BASE P. BOLTS TO 84 FT. LBS
- 7/8" P.H.S. ANCHOR BARS, WRENCH TIGHTEN-TORQUE REQUIREMENT WAIVED.
- FABRICATORS ELECTING LARGER THAN MIN ARM DIAMETERS MUST ADJUST DETAILS AS REQUIRED TO PERMIT SOLID SEATING OF CAP SCREWS. IN LIEU OF TORQUE REQUIREMENTS FOR H.S. BOLTS, CAP SCREWS SHALL BE TIGHTENED BY THE TURN OF NUT METHOD 1/6 TURN FROM SNUG TIGHT CONDITION. NO WASHER WILL BE REQUIRED.
- 4" X 6 1/2" HANDHOLE REINFORCED W/ #3 GA. RING 1 1/2" WIDE WELDED TO OUTSIDE OF POLE COVER OF 10 GA. P. LOCATE 30 DEGREES OF MAST ARM UNLESS SHOWN OTHERWISE.
- 28 GA. KEEPER P., PLACE ON TOP OF MIDDLE FLAT WASHER ASTM A526 123 COMMERCIAL.
- PLATE WASHER
- 3-7/8" P.H.S. BARS, THREAD 6" & GALV. 10", W/ HEX, HD, NUT, LEVELING NUT & WASHER
- HEX. HD. NUT SHOWN OR AS AN ALT. DET. ANCHOR P'S MAY BE RETAINED W/ 5/16" FILLET WELDS ALL ROUND OR FORMED HEADS.
- ROUND TAPERED STEEL TUBE W/ MAX. TAPER OF 0.15"/FOOT.
- NO. 11 GAGE SHEET STEEL OF WELDABLE GRADE ACCEPTABLE IF STEEL AFTER FABRICATION HAS A MIN. YIELD STRENGTH OF 40,000 P.S.I.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

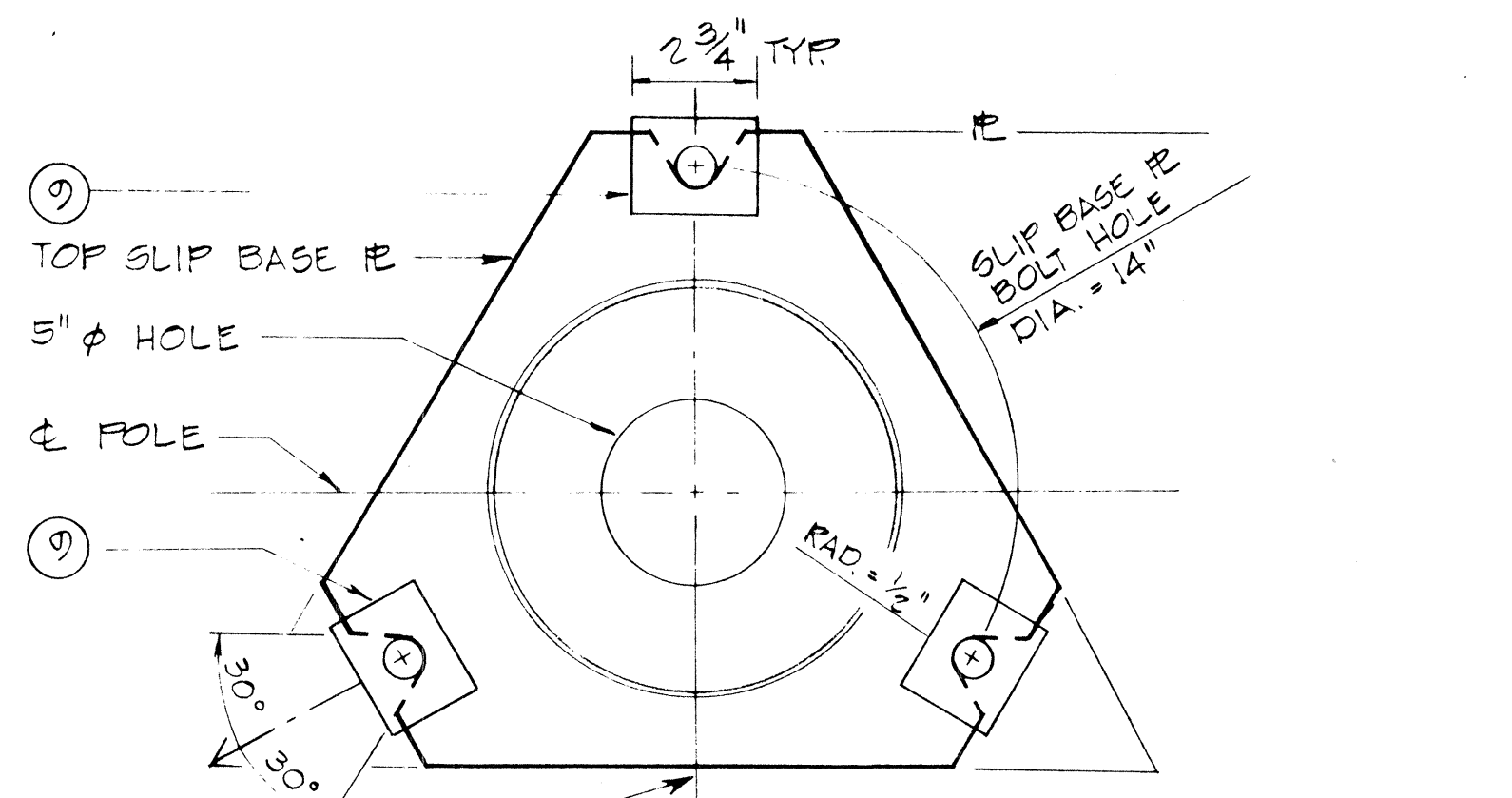
HIGHWAY LIGHTING SLIP BASE POLE

KAMEHAMEHA HIGHWAY STREET LIGHTS
MEHEULA PARKWAY TO LANIKUHANA AVENUE
PROJECT NO. 99C-02-79

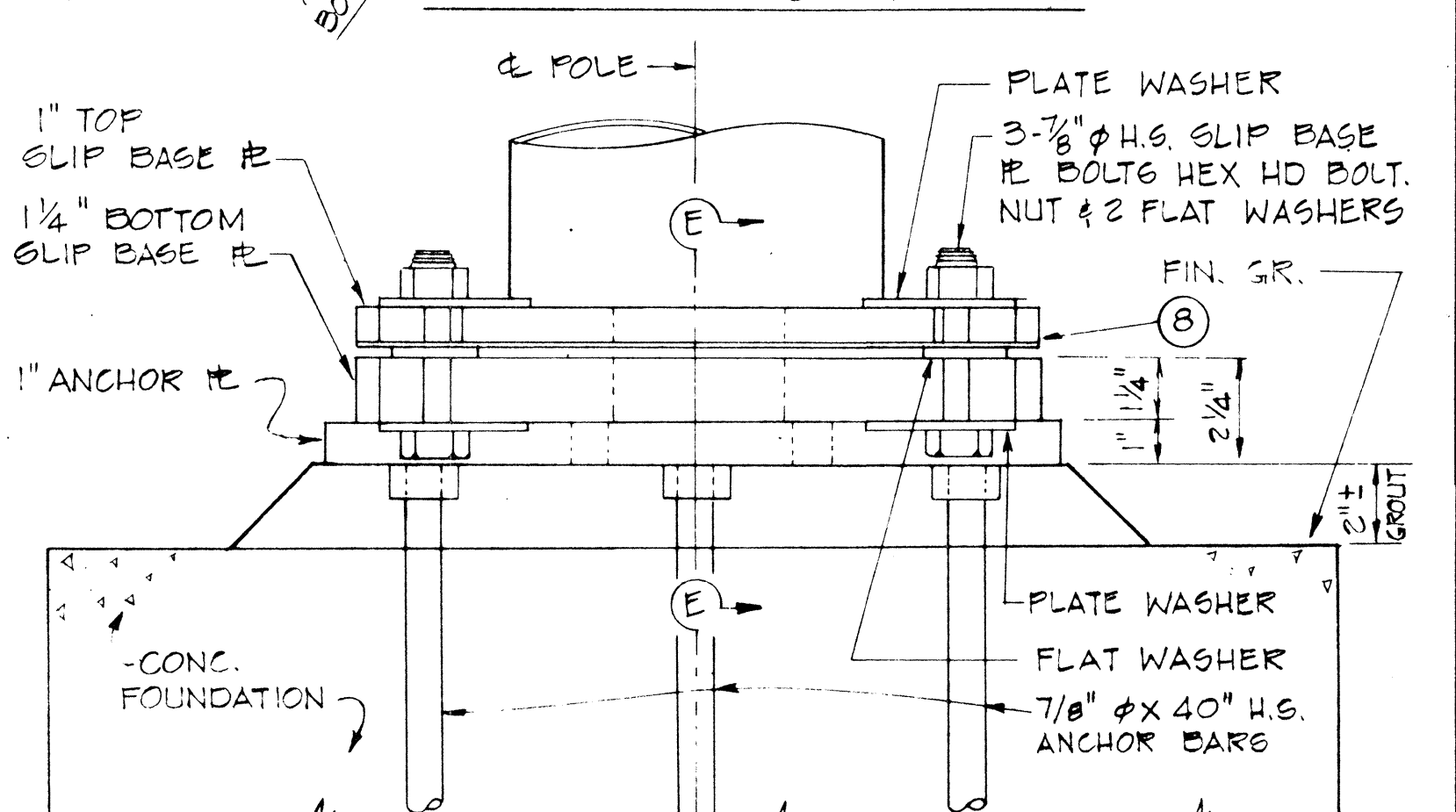
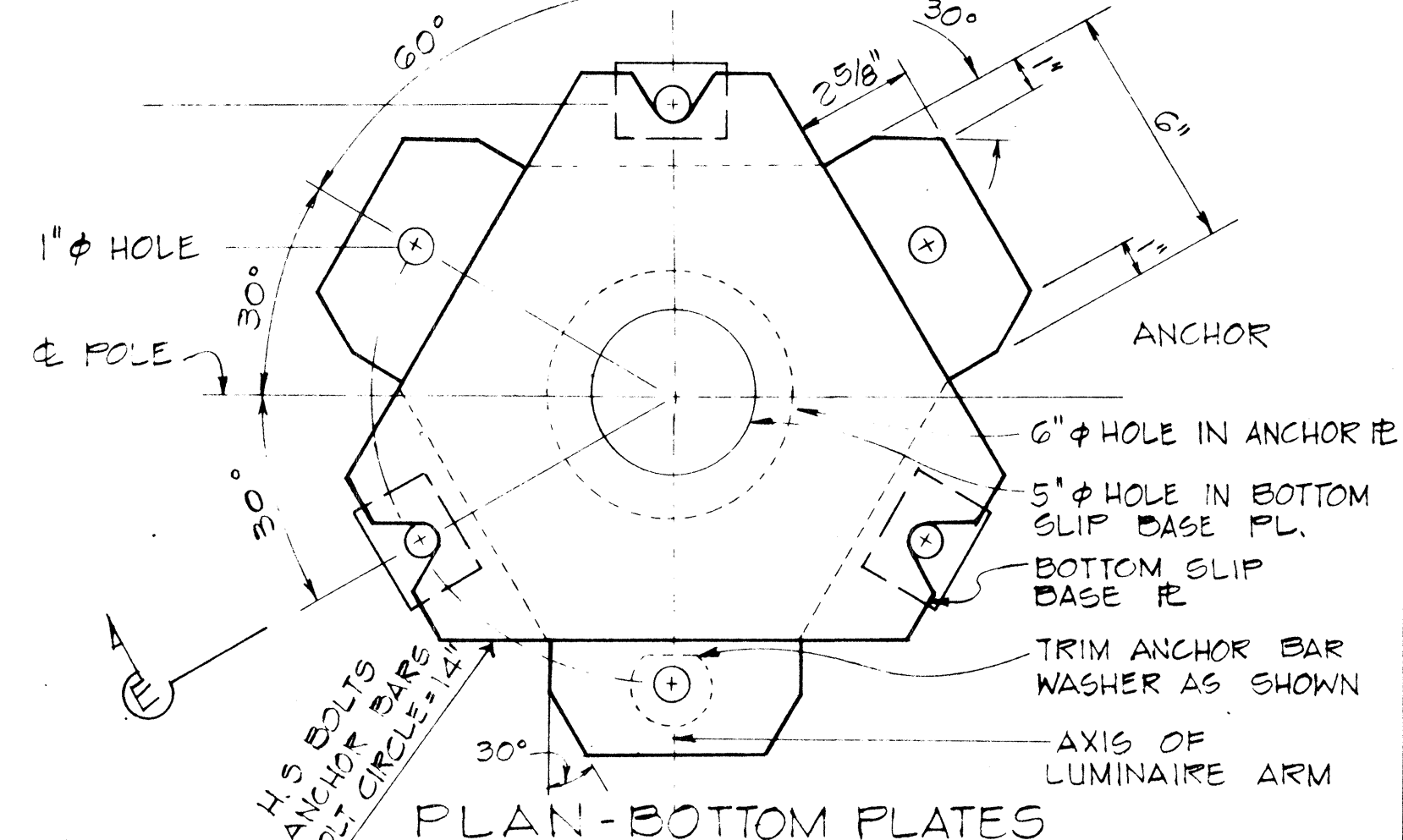
SHEET No. 7 OF 7 SHEETS



TOP SLIP BASE PLATE



VIEW "C-C"
TOP SLIP BASE PLATE



BOTTOM SLIP BASE PLATE

SLIP BASE DETAIL

SCALE: 3" = 1'-0"

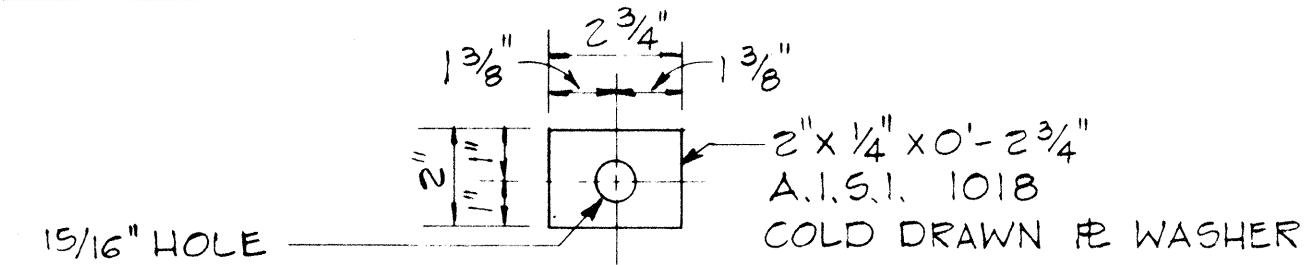
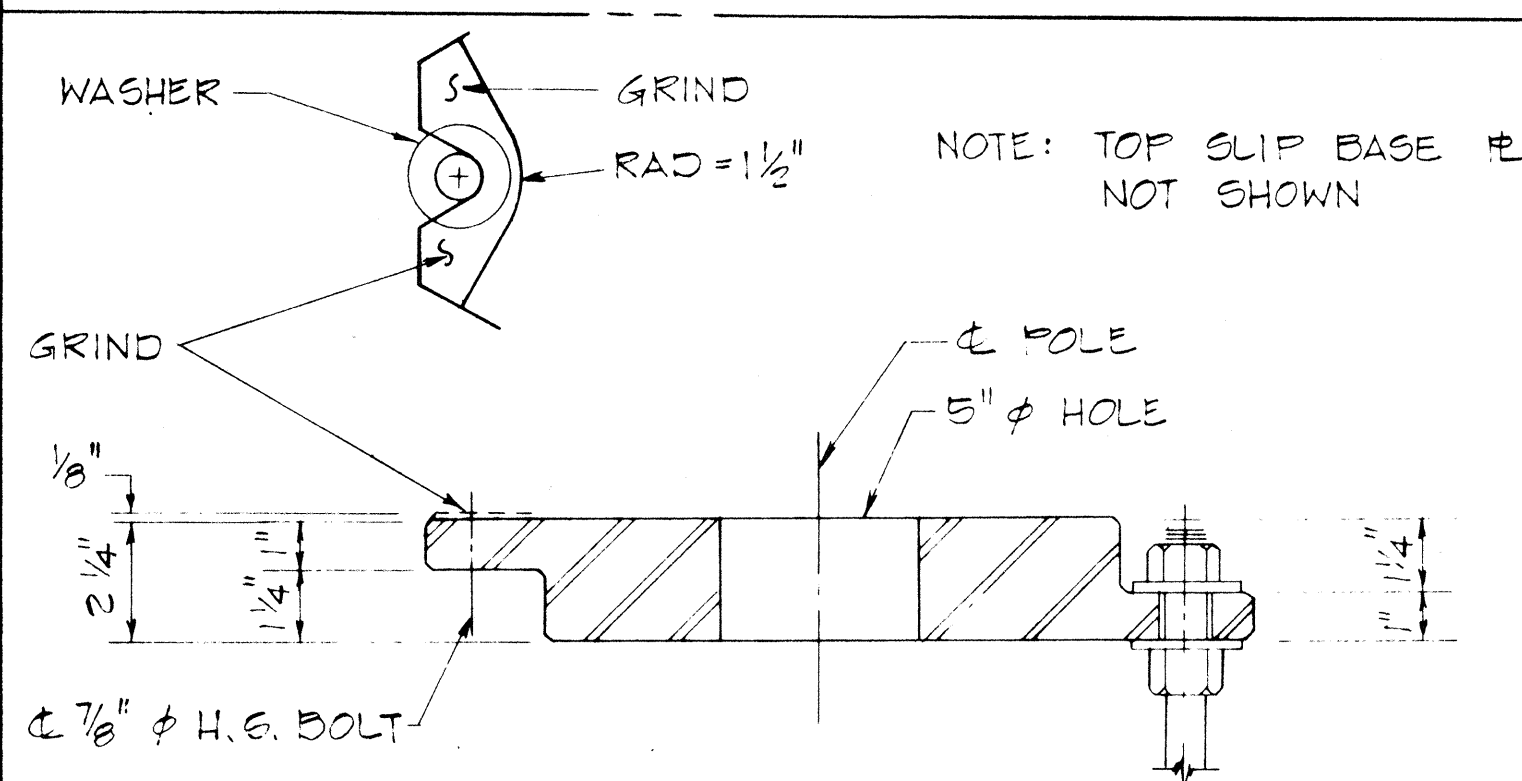


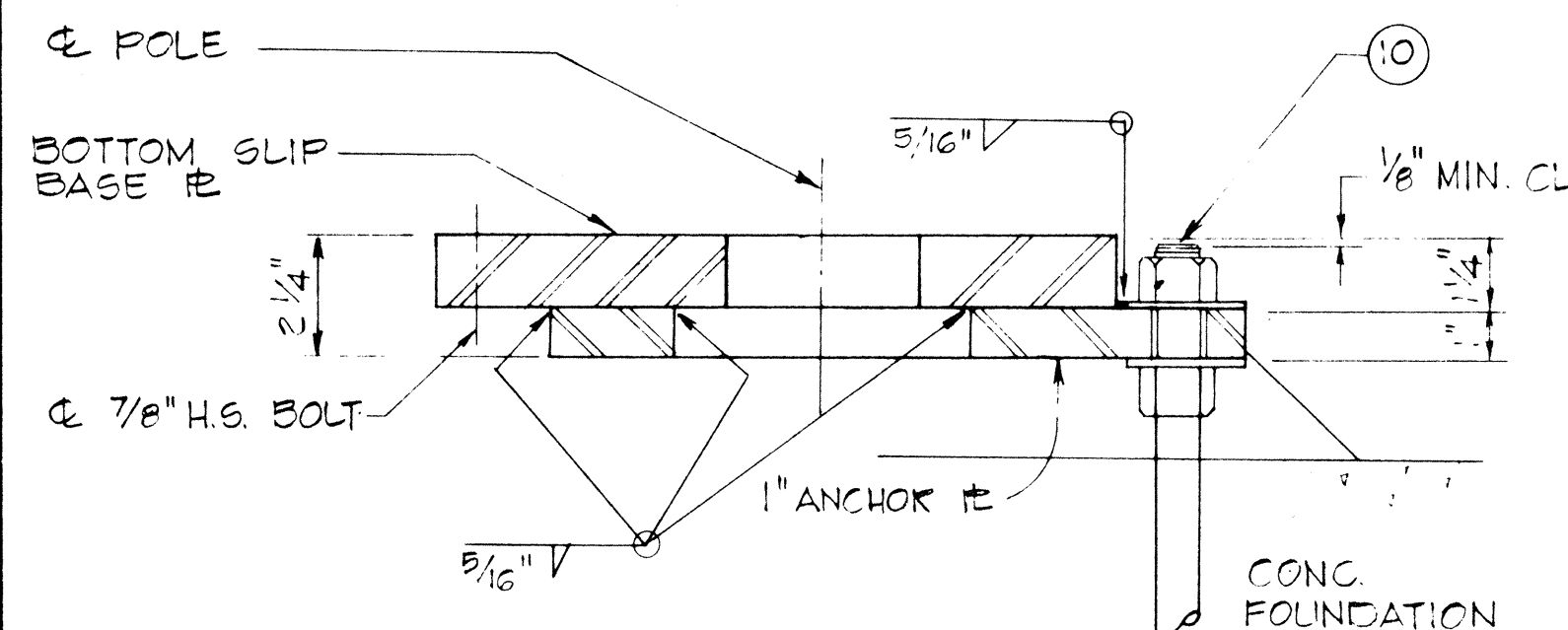
PLATE WASHER



VIEW "E-E"

CAST OPTION

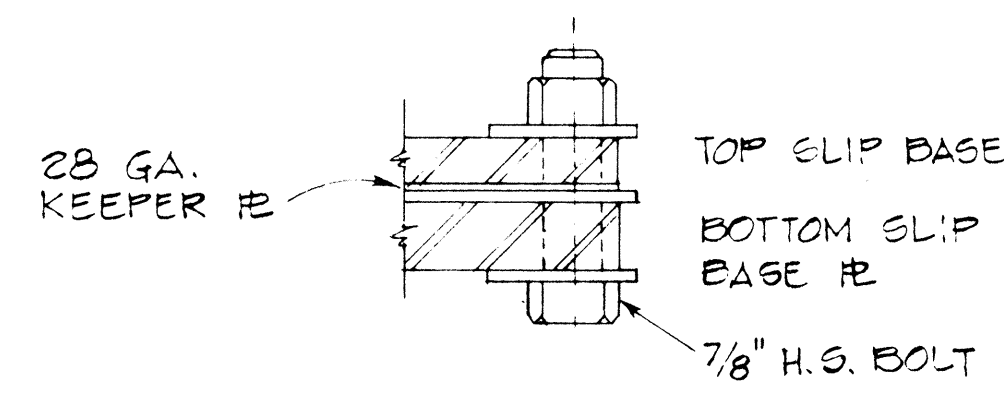
SCALE: 3" = 1'-0"



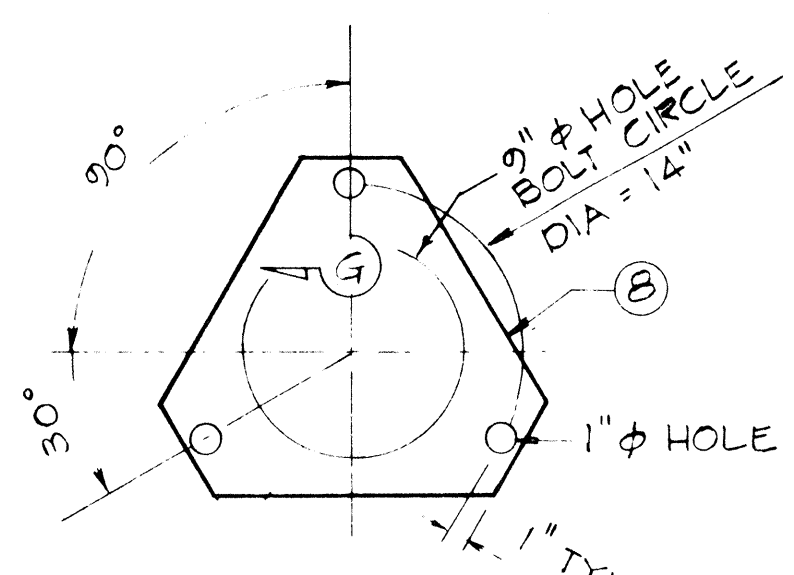
VIEW "E-E"

WELDED OPTION

SCALE: 3" = 1'-0"



SECTION G-G

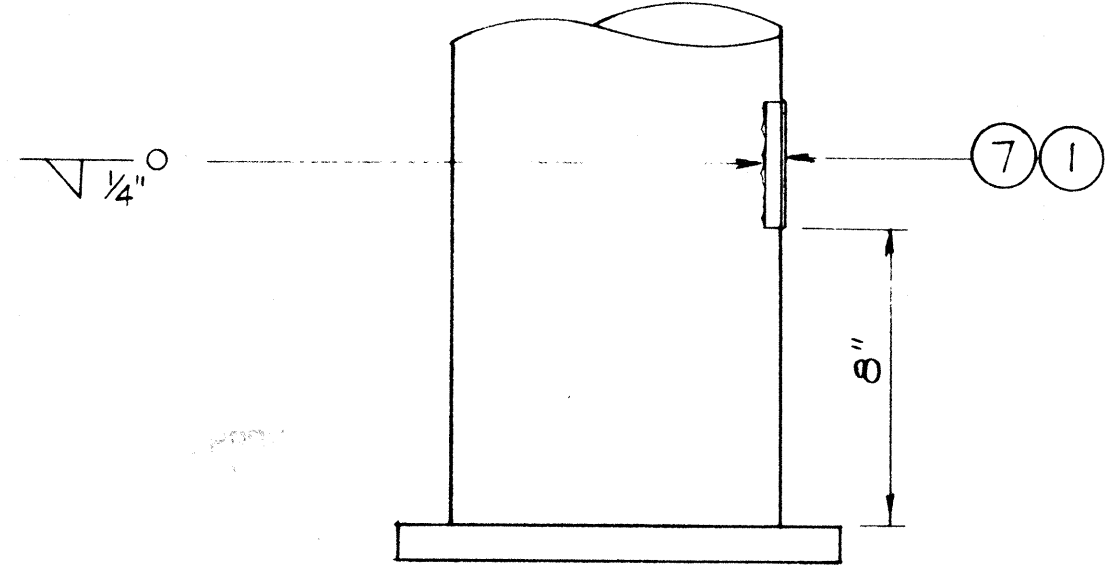
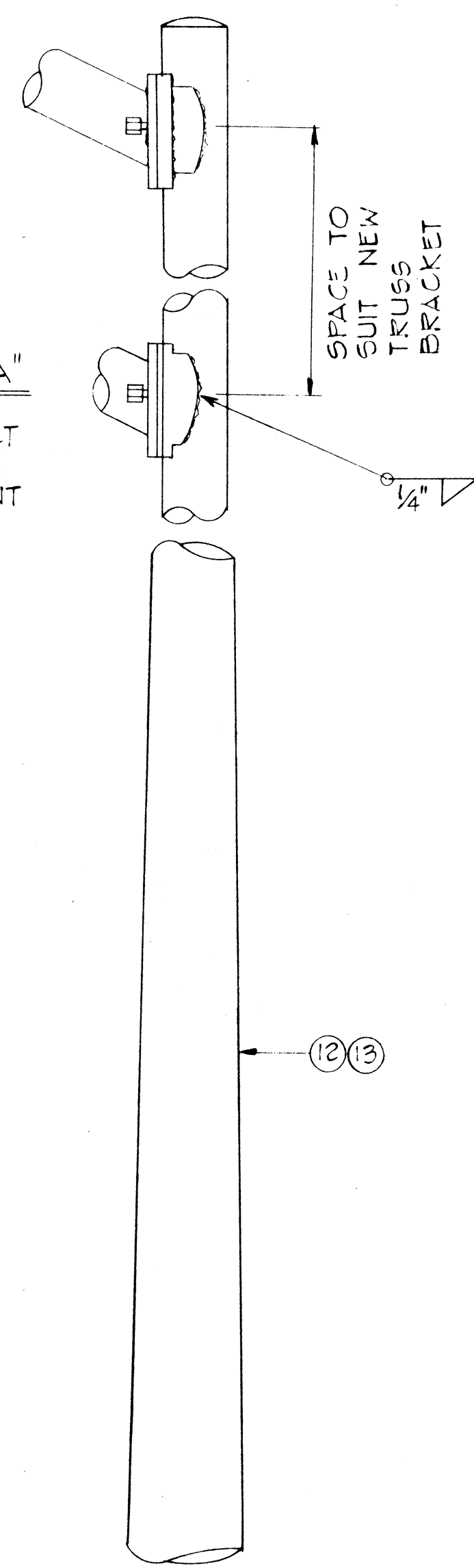


DETAIL "F"

KEEPER PLATE

DETAIL "A"

TRUSS BRACKET
2 BOLTS
ARM ATTACHMENT



DETAIL B

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