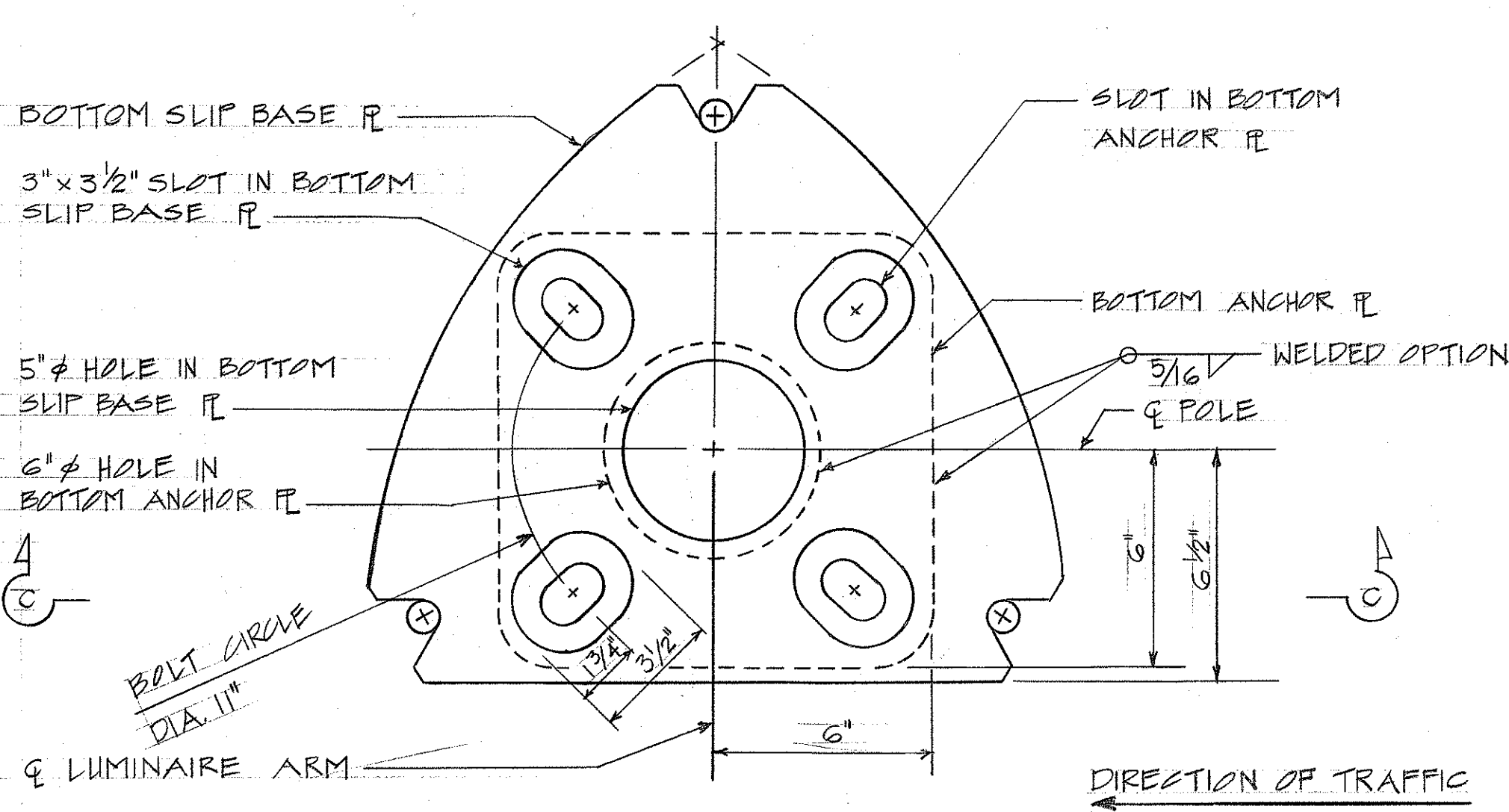
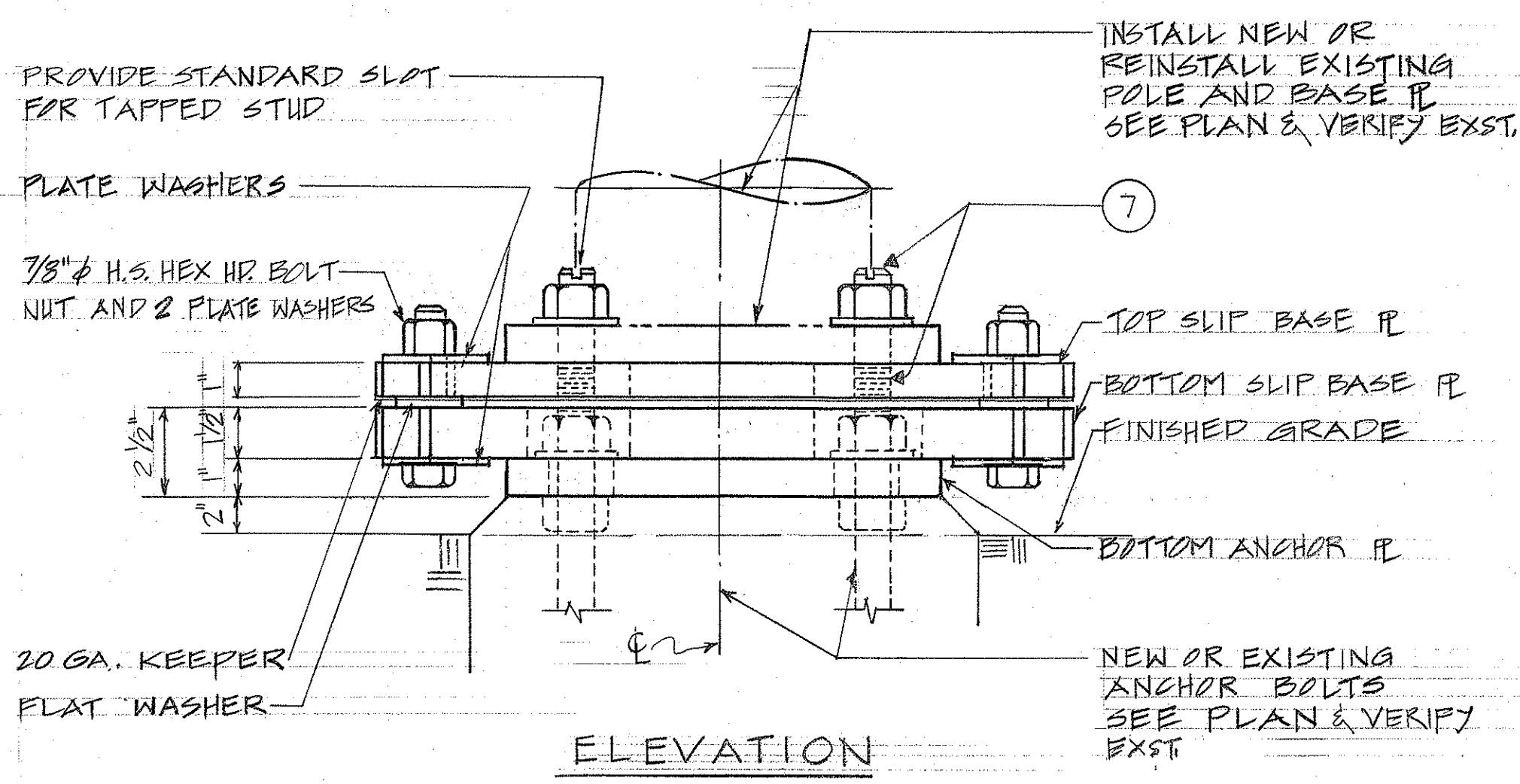
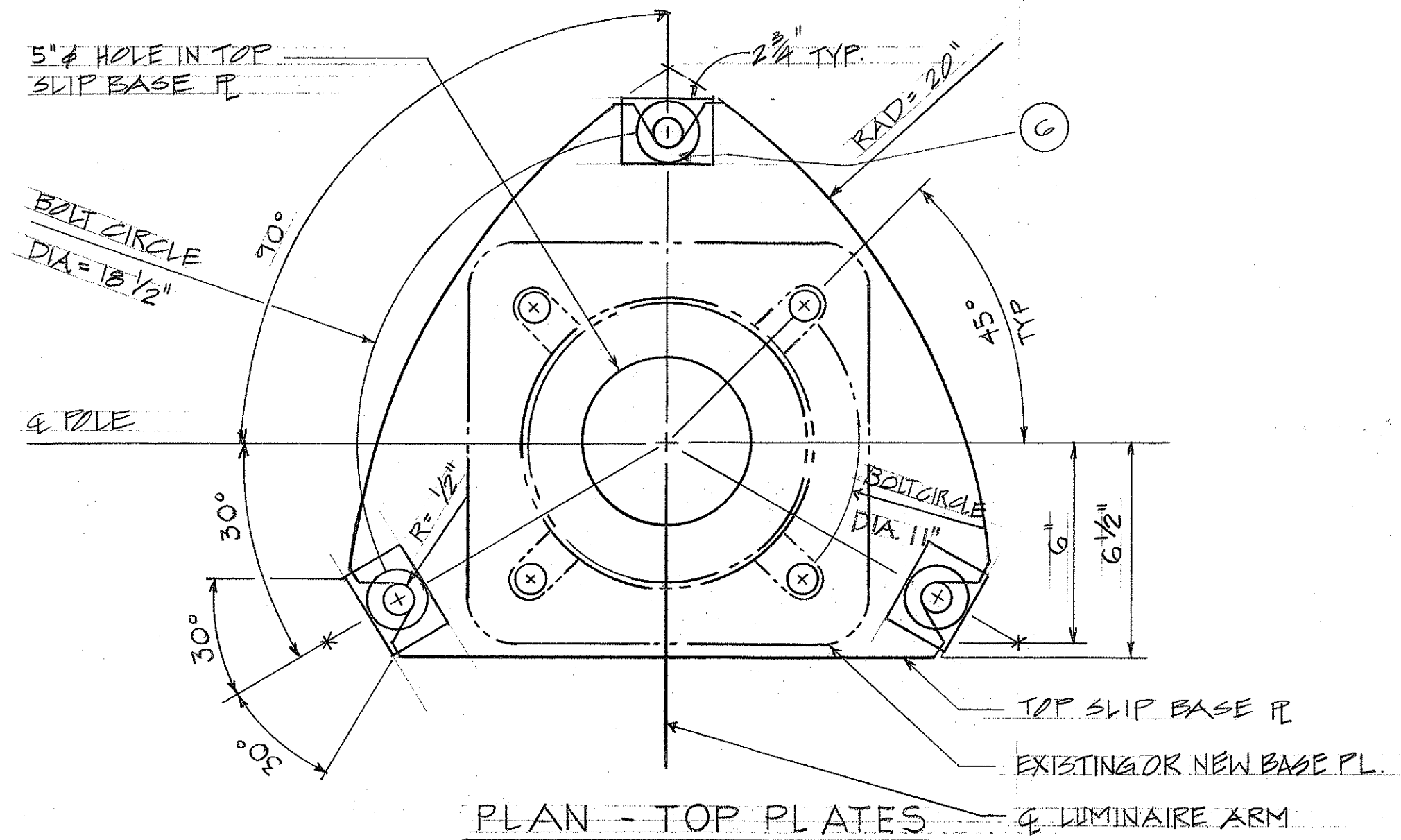
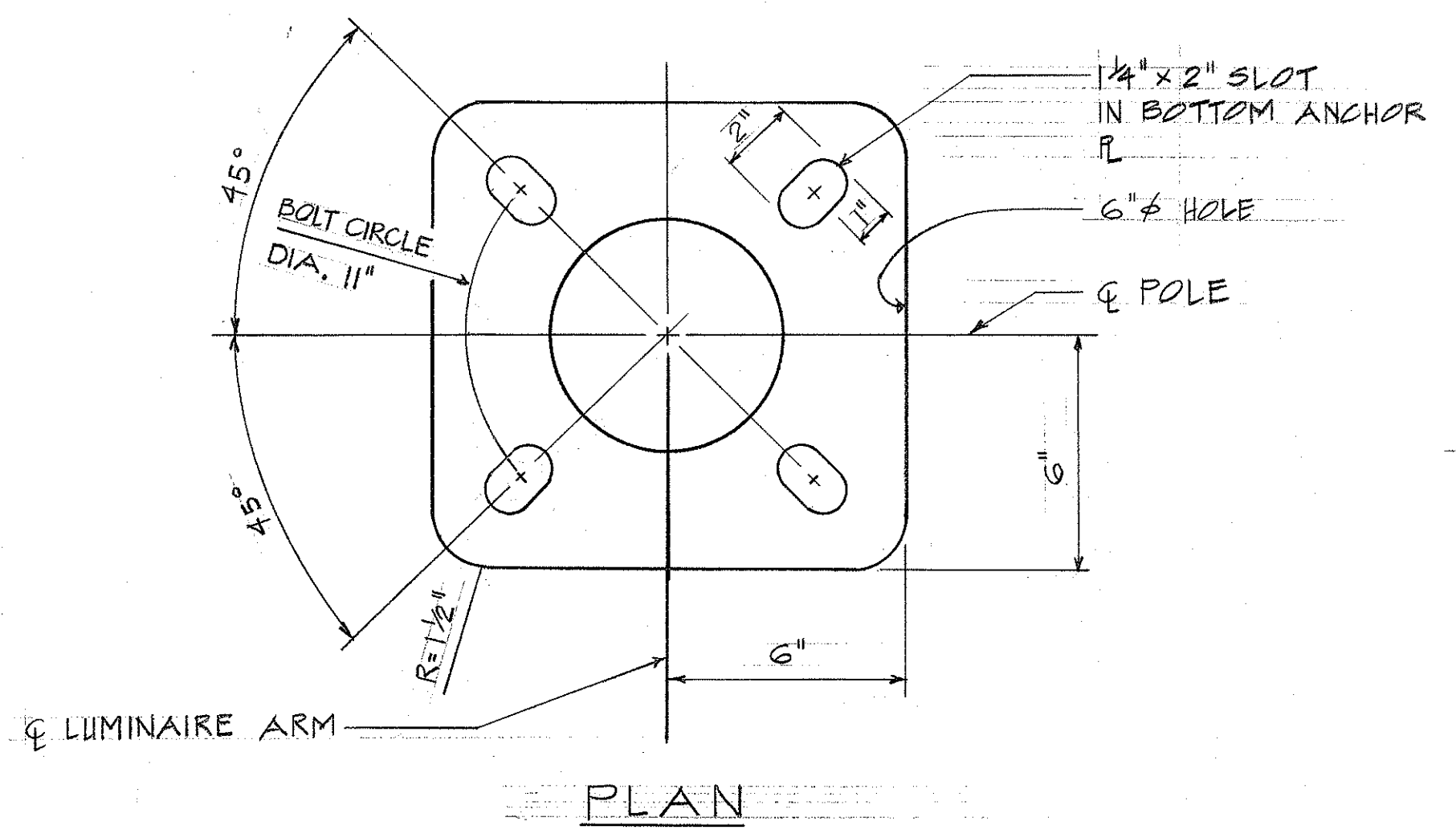
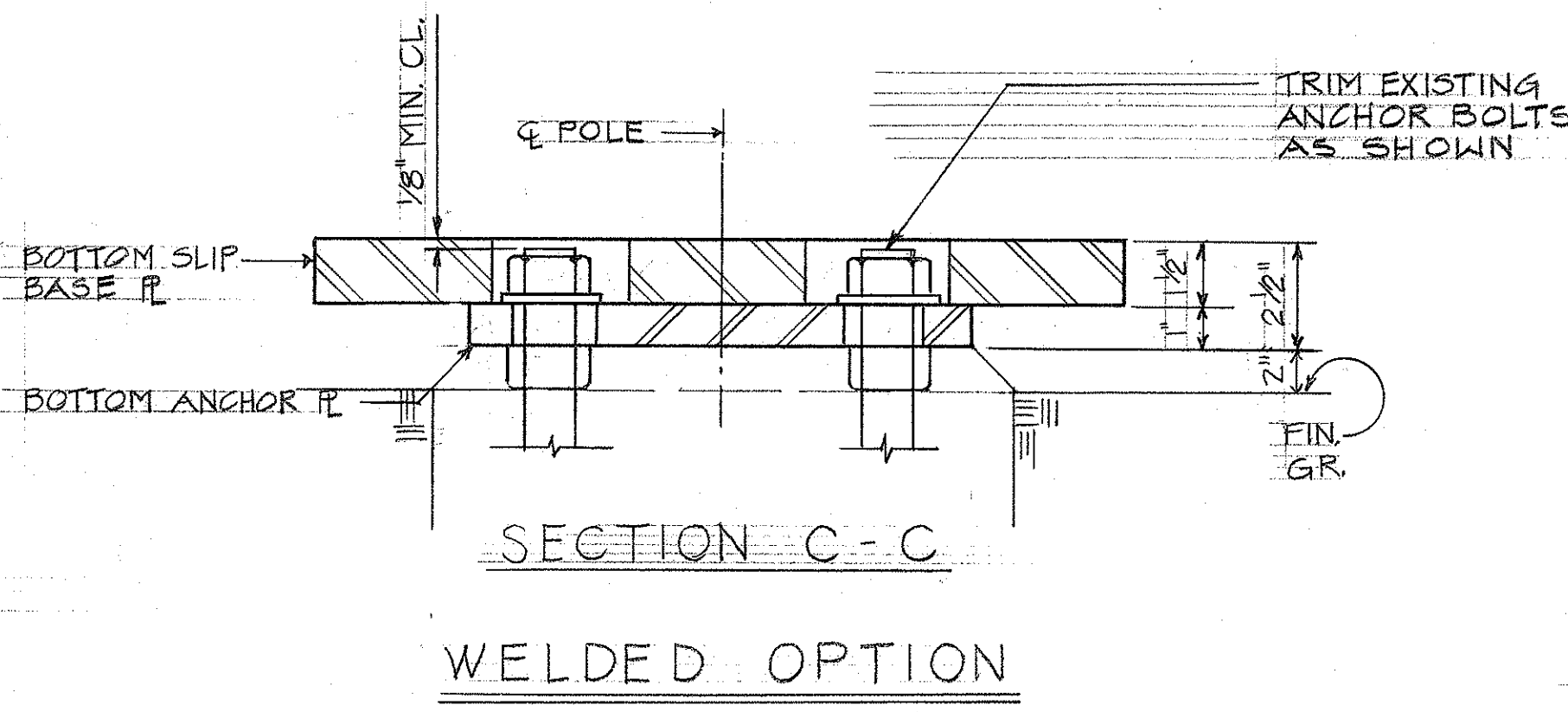
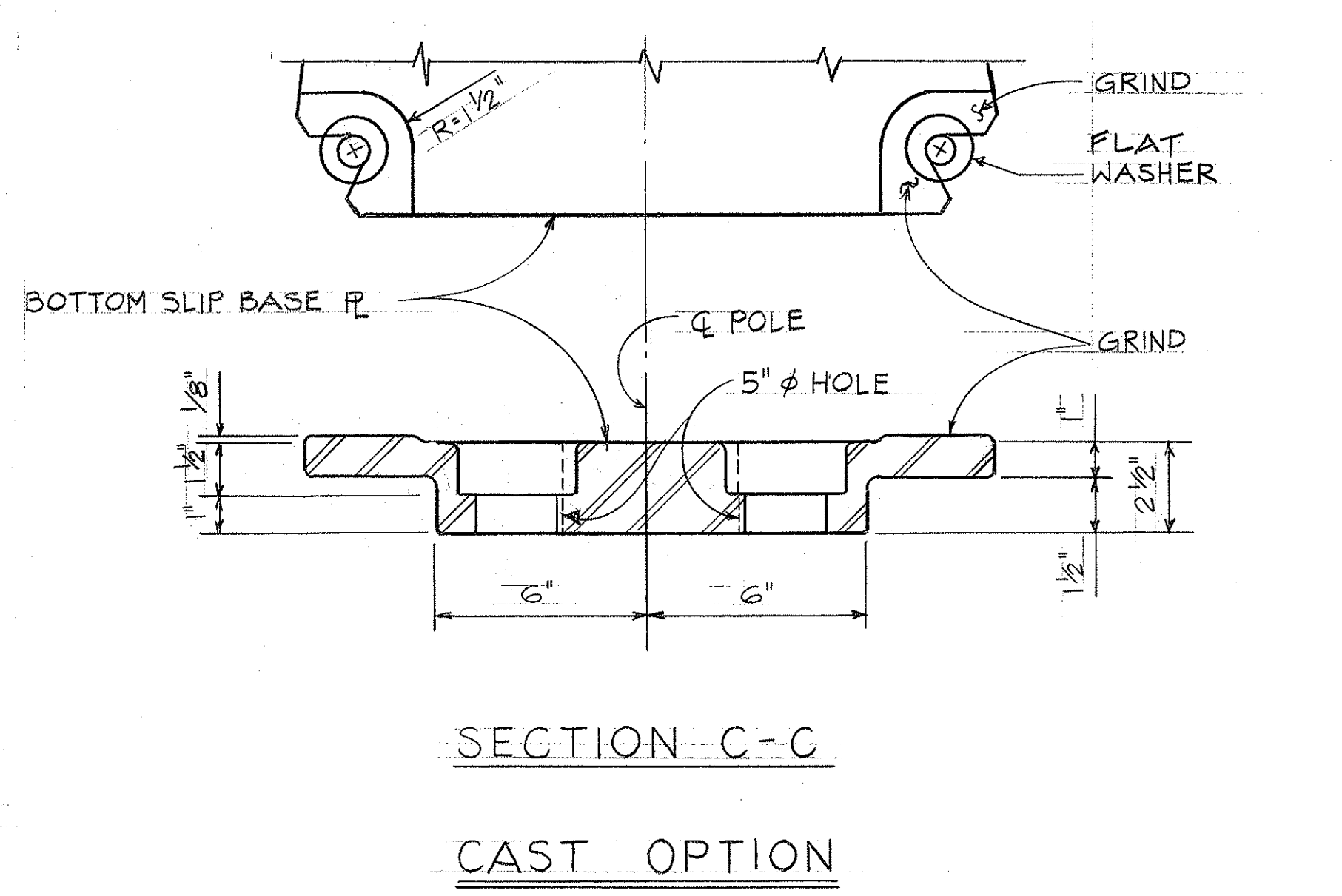


FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HI(57)18	1973	12	170

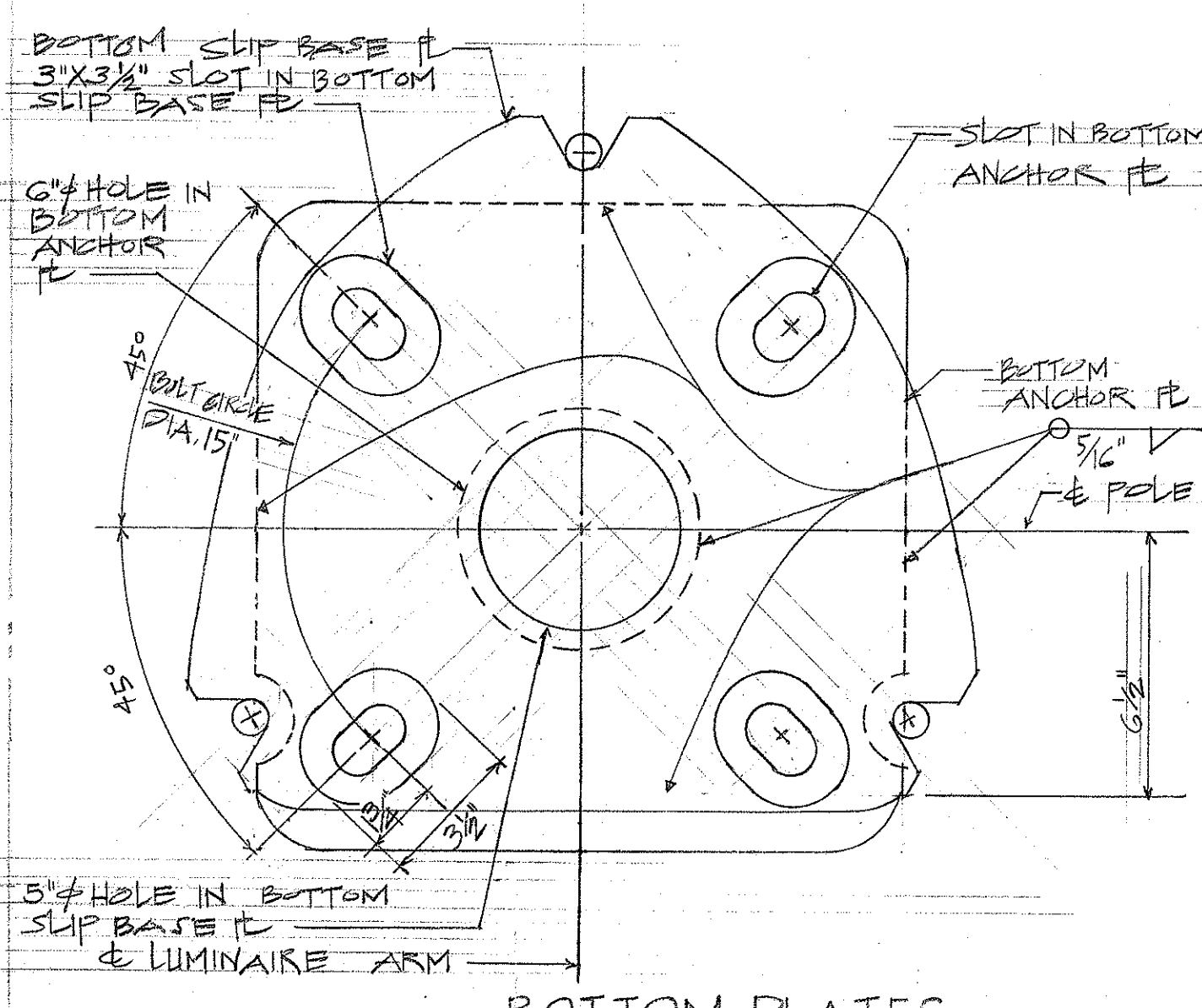
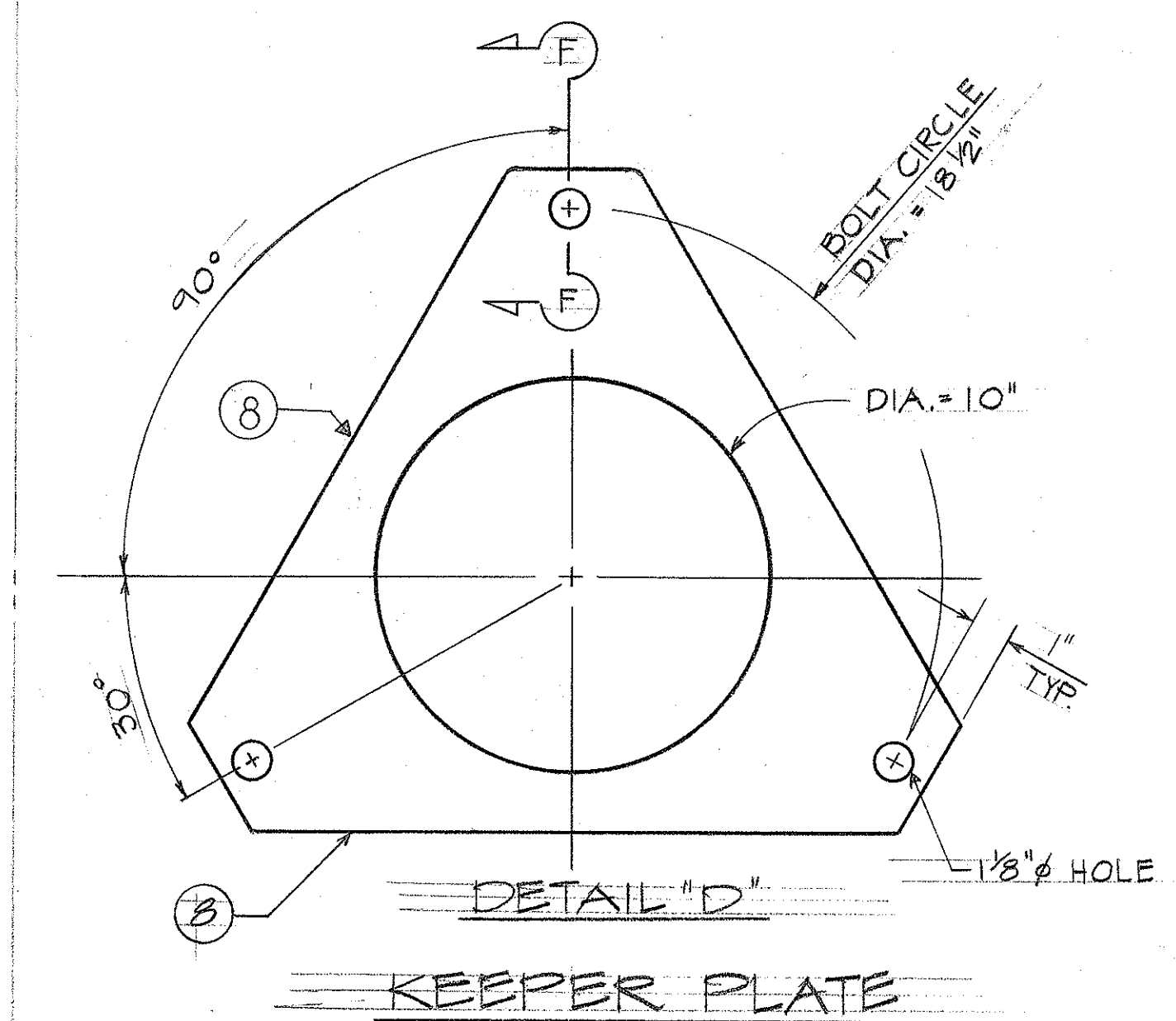
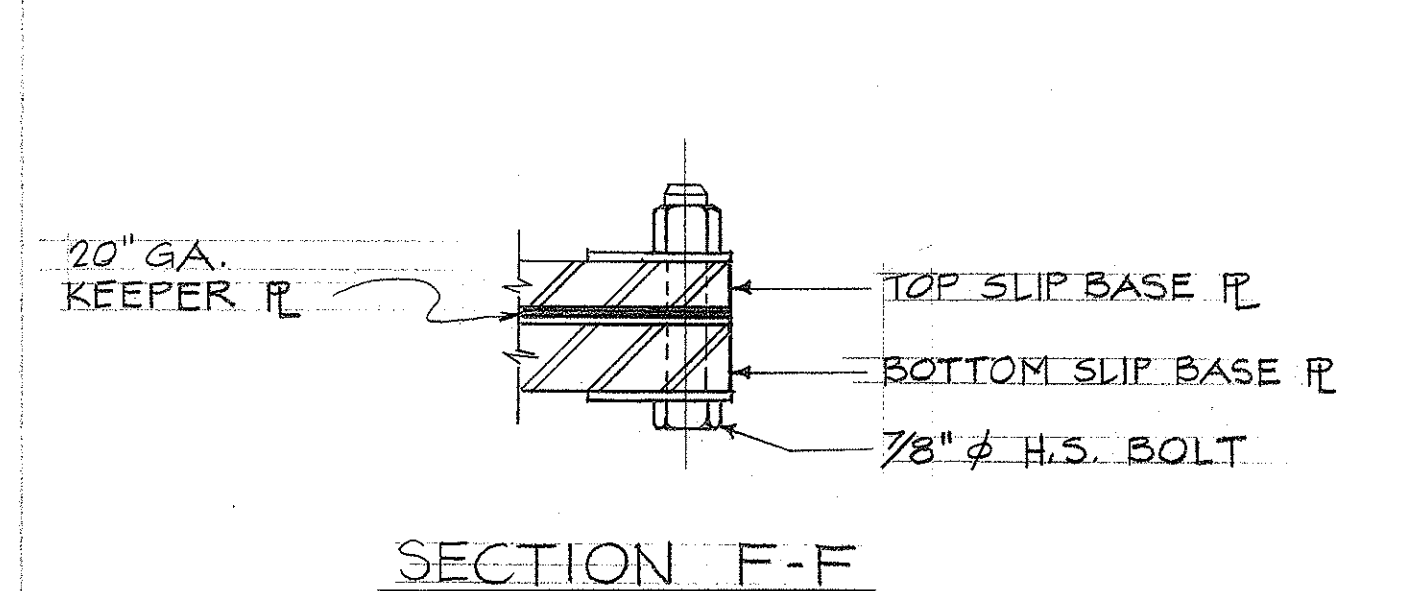
- NOTES:
- ALL NEW MATERIAL TO BE GALV. AFTER FABRICATION.
 - TORQUE $\frac{7}{8}$ " H.S. SLIP BASE PL BOLTS TO 100 INCH/ LBS.
 - ALL SLOTS TO BE FILLED W/ MASTIC
 - PL'S SHALL CONFORM TO A.S.T.M. A-36
 - CAST OPTION SHALL CONFORM TO A.S.T.M. A-486 CL. 90.
 - FLAT WASHER SHALL CONFORM TO A.S.T.M. A-325.
 - 1" ϕ DRILLED & TAPPED STUD IN TOP SLIP BASE PL. INSERT STUD & CENTER PUNCH @ BOTTOM PERIPHERY TO LOCK TAPPED BOLT IN PLACE PRIOR TO GALV. OR 1" ϕ THREADED STUDS CONN. W/ FULL PENETRATION BUTT WELD.
 - 20 GA. KEEPER PL. PLACE ON TOP OF MIDDLE FLAT WASHER A.S.T.M. A526 199 COMMERCIAL
 - APPLICABLE TO POLE 11" DIA. BOLT CIRCLE.
 - WHERE SLIP BASE IS REQUIRED FOR EXST. SERIES CKT. POLE THAT IS NOT RELOCATED, USE 15" DIA. BOLT CIRCLE SLIP BASE PL. INSERT, REMOVE TRANSFORMER BASE AND PROVIDE HANDHOLE IN SHAFT PER DETAIL ON SHEET 13L. MOUNT POLE DIRECTLY ON SLIP BASE PLATE. & NEW CONC. FOUNDATION.



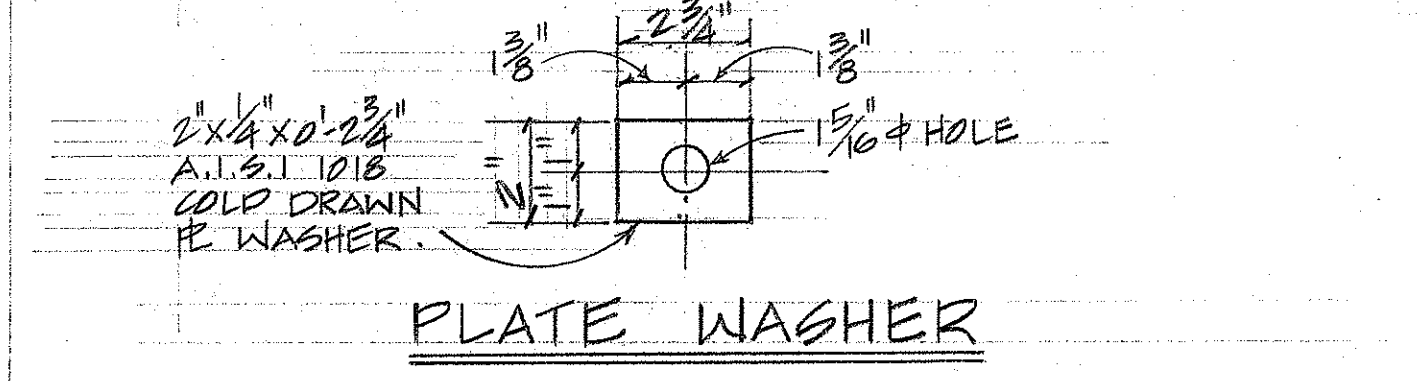
SLIP BASE PL INSERT DETAILS



BOTTOM ANCHOR PL DETAILS



5" DIA. BOLT CIRCLE SLIP BASE PLATE INSERT DETAIL



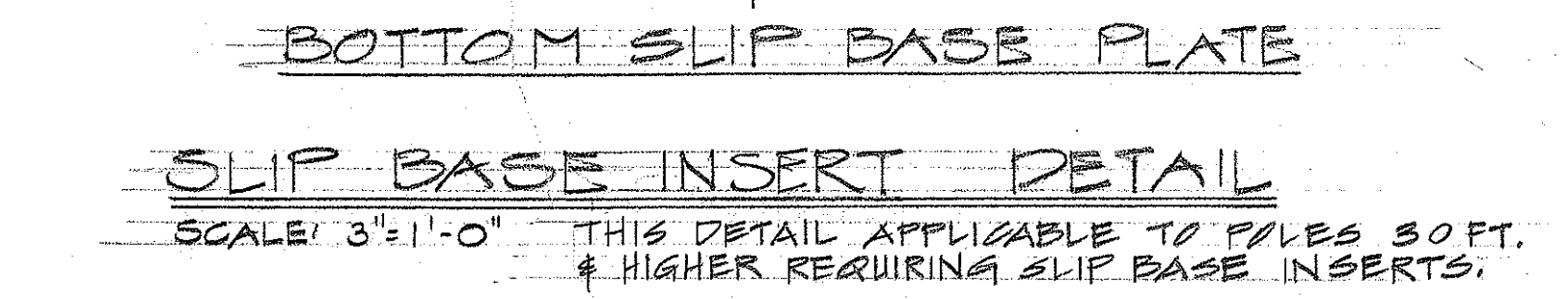
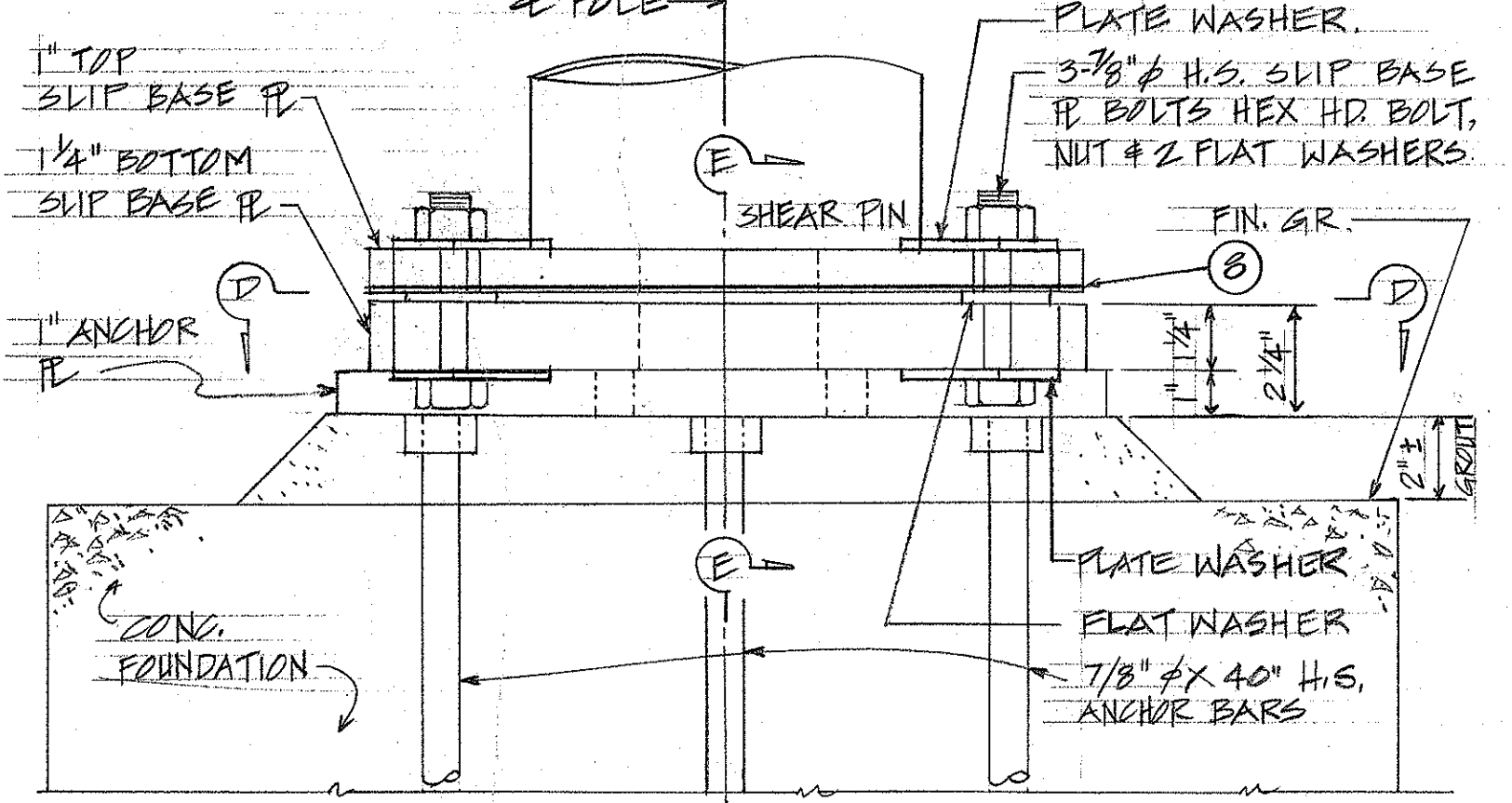
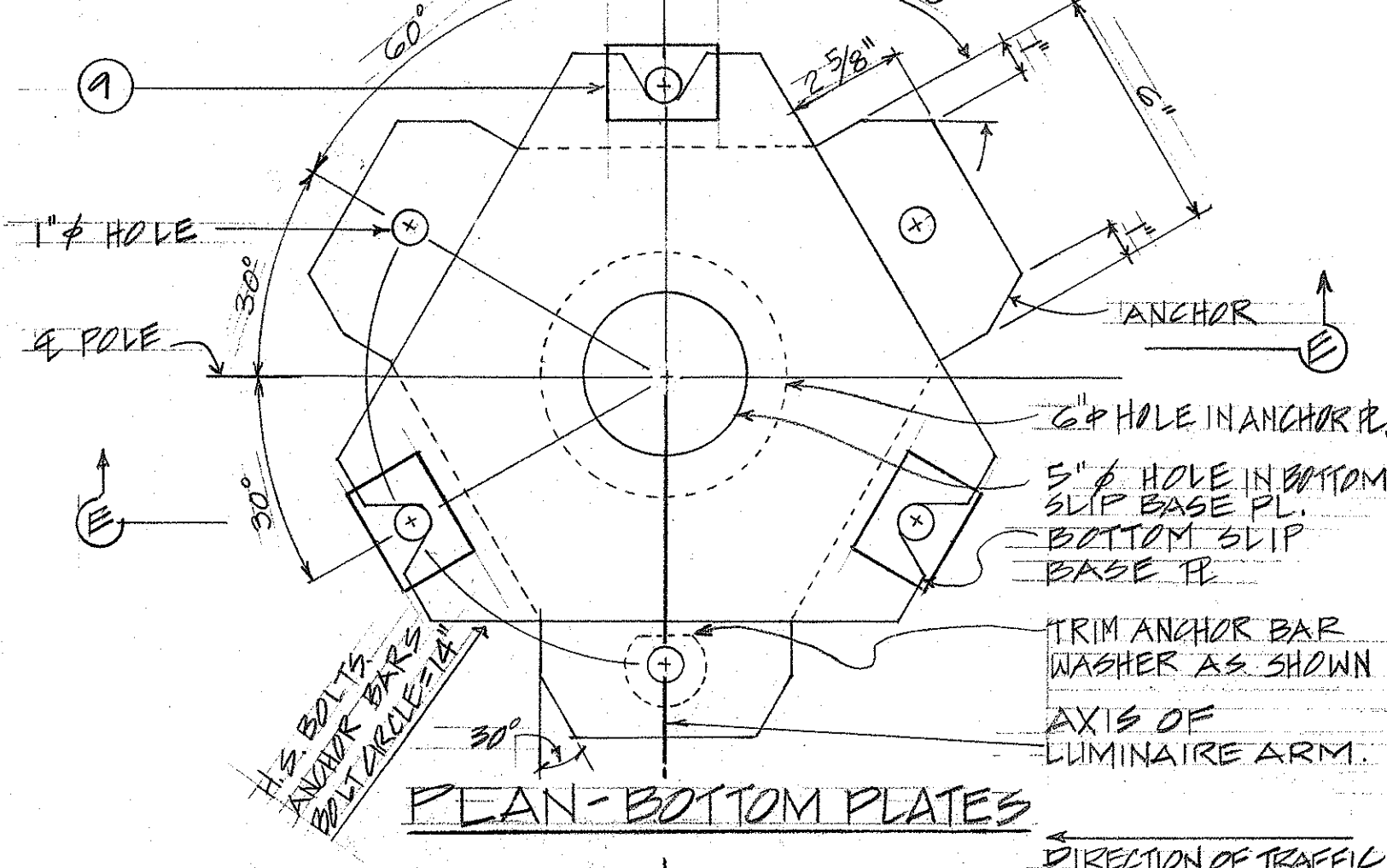
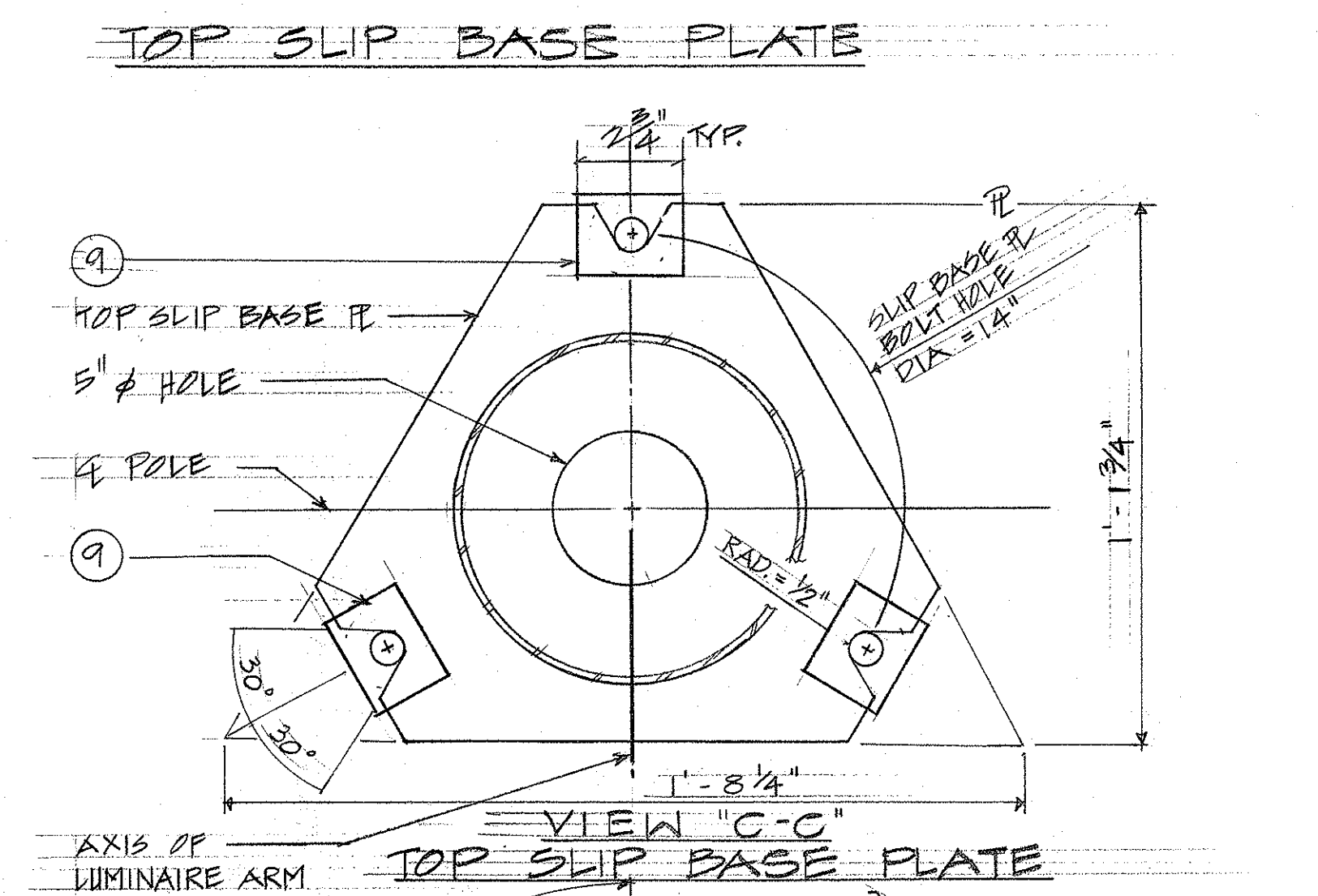
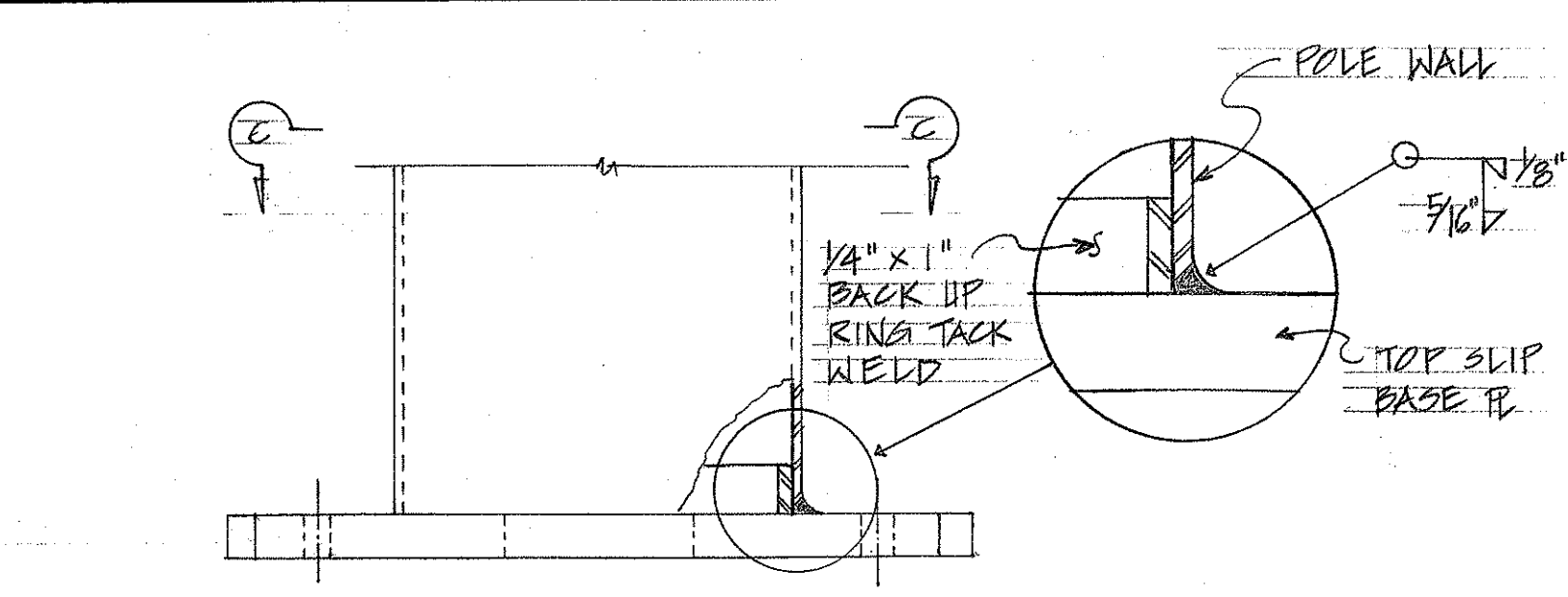
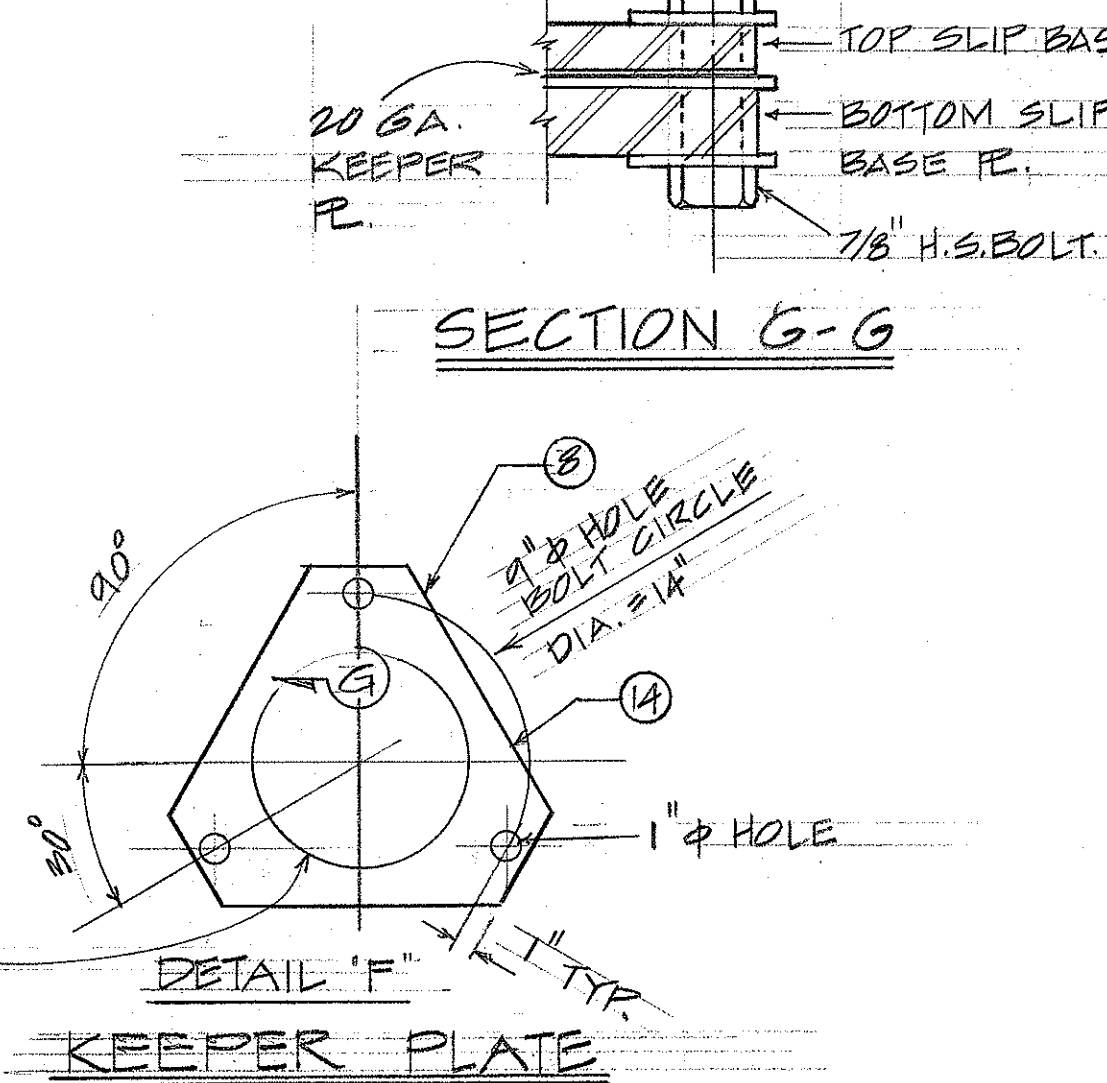
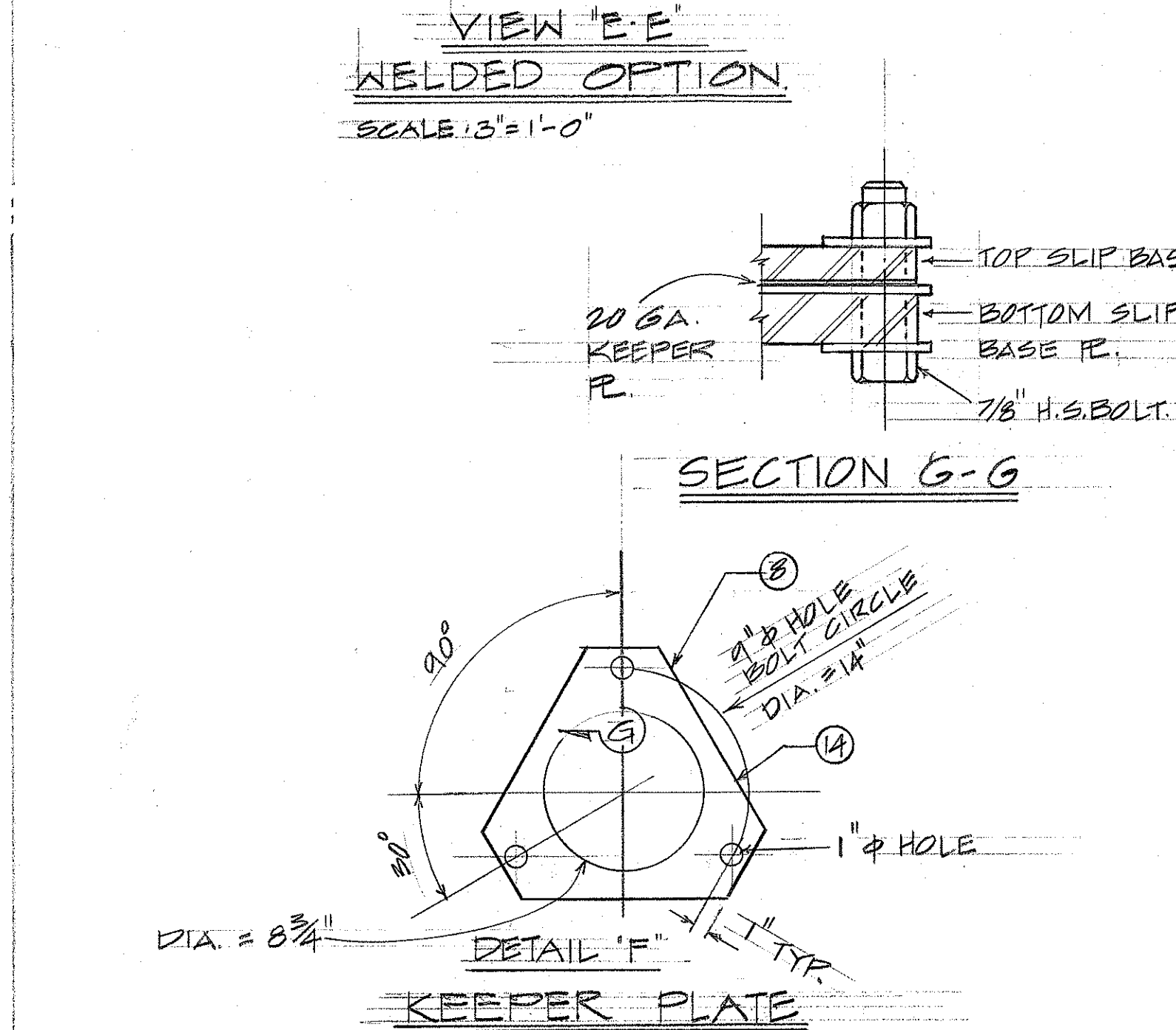
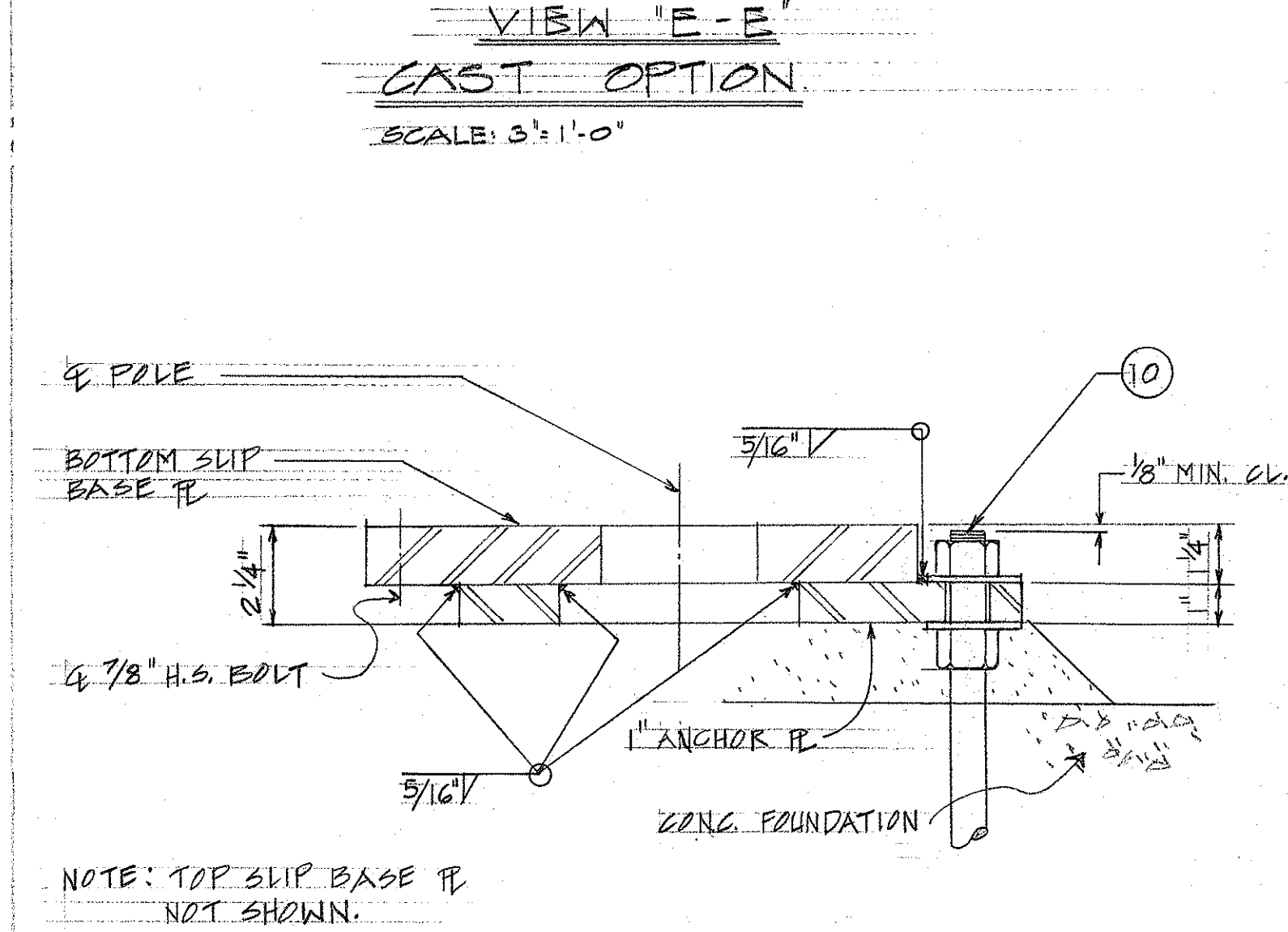
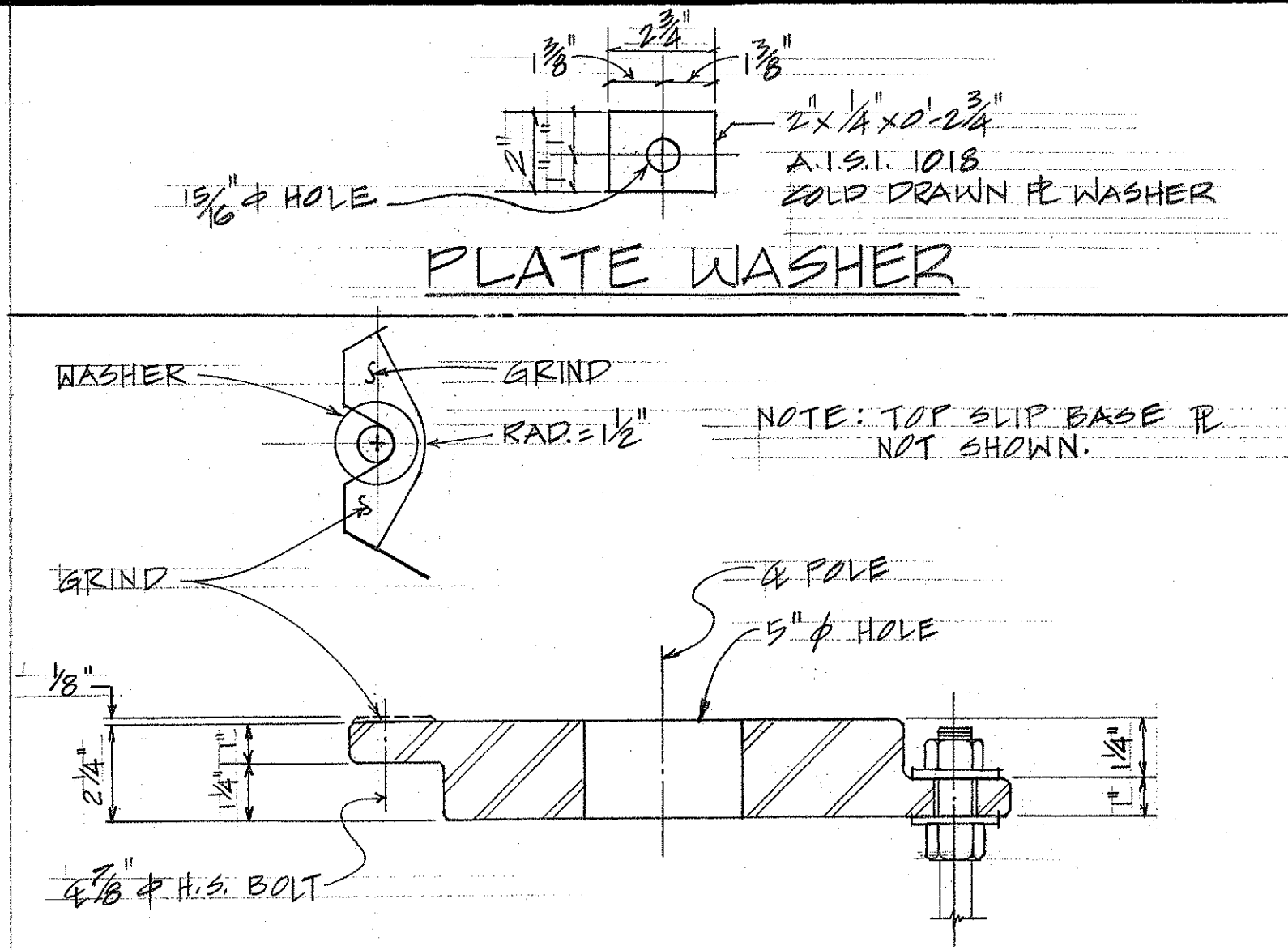
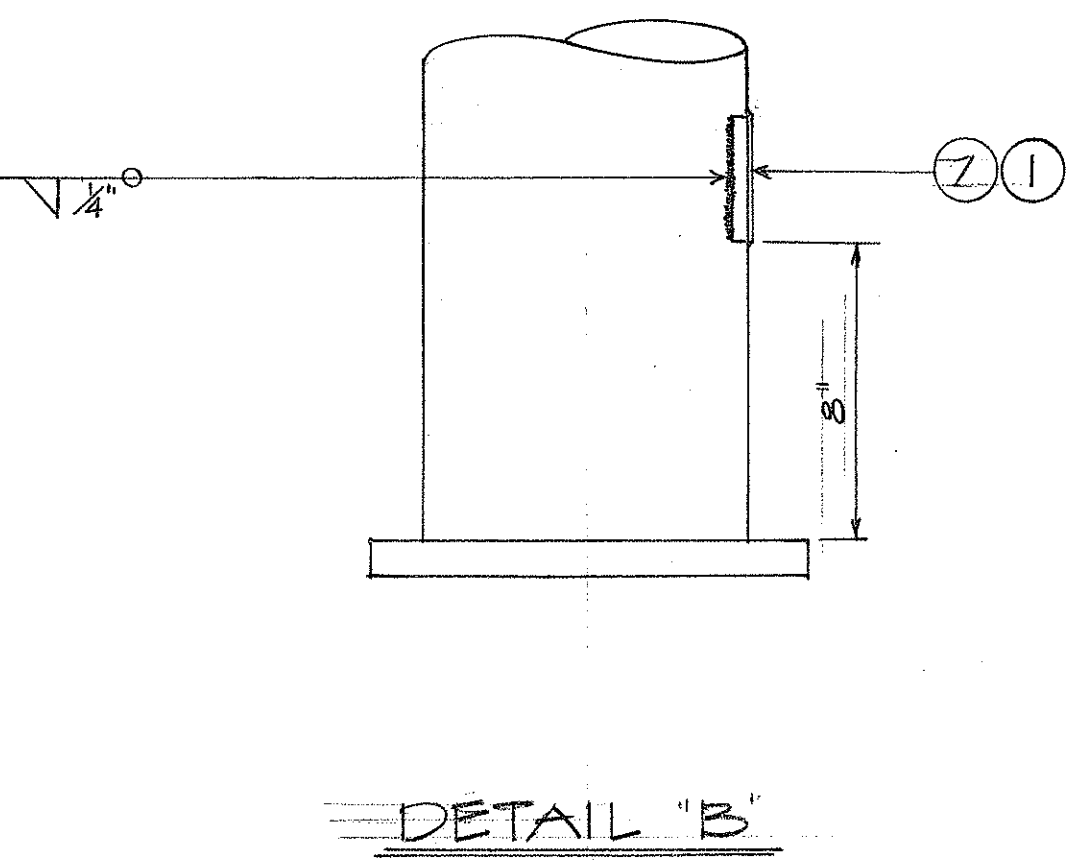
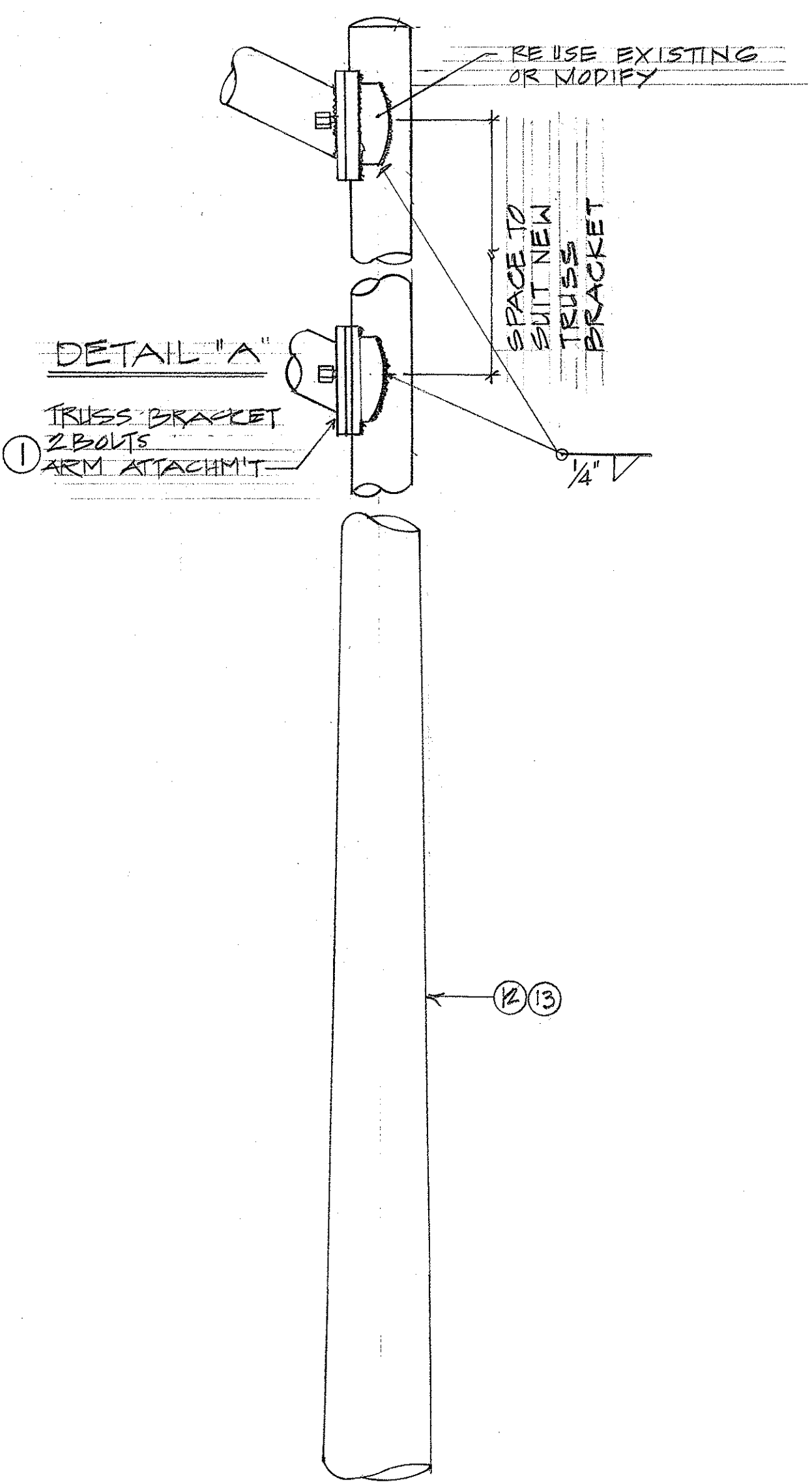
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
SLIP BASE INSERT STANDARD
SAFETY IMPROVEMENT
MIDDLE STREET TO KALIHI STREET
F.A.I. PROJECT NO. I-HI-1(57)18
SCALE AS NOTED DATE: AUG. 1973
SHEET NO. 12L OF SHEETS

PLAN	NO. 1
TRACED BY	NO. 2
CHECKED BY	NO. 3
QUANTITIES BY	NO. 4
NO.	NO. 5

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-H-1(57)18	1973	13	21

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. 90.
- TORQUE $\frac{7}{8}$ " H.S. SLIP BASE PL. BOLTS TO 1000 INCH LBS.
- $\frac{7}{8}$ " H.S. ANCHOR BARS, WRENCH TIGHTEN - TORQUE REQUIREM'T. WAIVED.
- FABRICATORS ELECTING LARGER THAN MIN. ARM DIAMETERS MUST ADJUST DETAILS AS REQ'D TO PERMIT SOLID SEATING OF CAP SCREWS. IN LIEU OF TORQUE REQUIREM'TS FOR H.S. BOLTS, CAP SCREWS SHALL BE TIGHTENED BY THE TURN-OF-NUT METHOD $\frac{1}{8}$ TURN FROM SNUG TIGHT CONDITION. NO WASHER WILL BE REQ'D.
- 4" x 6 1/2" HANDHOLE REINFORCED W/ #3 GA. RING 1 1/2" WIDE WELDED TO OUTSIDE OF POLE COVER OF 10 GA. PL. LOCATE 90 DEGREES OF MAST ARM UNLESS SHOWN OTHERWISE. SH. 5L & 7L.
- 20 GA. KEEPER PL. PLACE ON TOP OF MIDDLE FLAT WASHER ASTM A446 GR. "A".
- PLATE WASHER.
- 3- $\frac{7}{8}$ " 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 PSI.
- 20 GA. KEEPER PL. PLACE ON TOP OF FLAT WASHER, A.S.T.M. A326, 125 COMMERCIAL.
- SLIP BASE INSERT DET. ON THIS SHEET APPLICABLE FOR POLE STD'S. TALLER THAN 25'-0".



STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
HIGHWAY LIGHTING
SLIP BASE INSERT AND
POLE MODIFICATION
SAFETY IMPROVEMENT
MIDDLE STREET TO KALIHI STREET
FAI PROJECT NO. I-H-1(57)18
SCALE: AS NOTED DATE: AUG, 1973
SHEET No. 13 OF SHEETS

PLAN	1
TRACED BY	
NOTES BY	
CHECKED BY	
DATE	