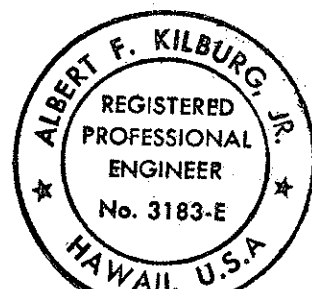
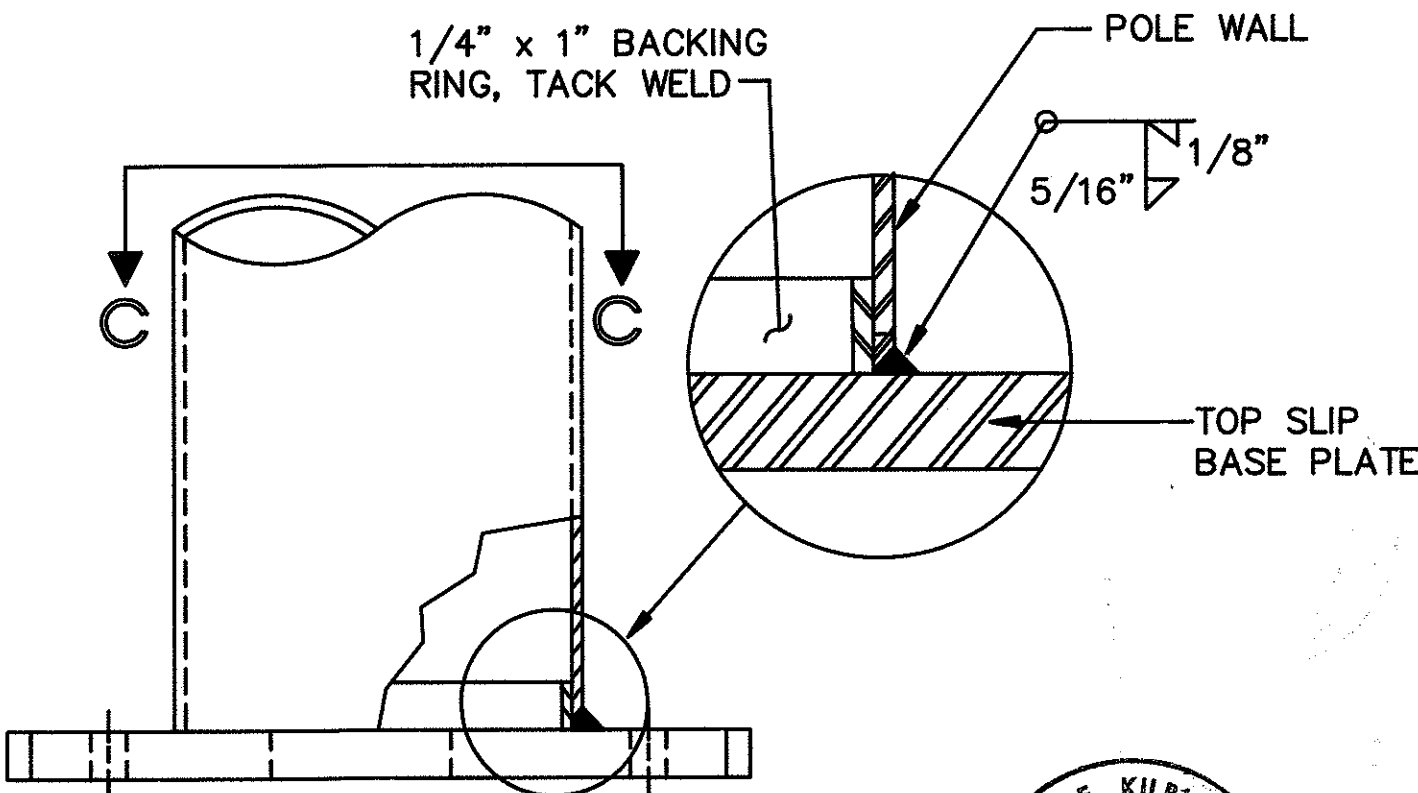


FED. ROAD DIST. No.	STATE	FED. AID PROJ. No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
HAWAII	HAW.	IR-H1-1 (212)	1992	17	29

NOTES:

- ALL STEEL SHAFTS, PLATES, MAST ARMS, BOLTS, SCREWS,NUTS AND WASHERS TO BE GALV. AFTER FABRICATION OR MODIFICATION.
- PLATES SHALL CONFORM TO ASTM A-36.
- CAST OPTION TO CONFORM TO ASTM A-486 CL. 90.
- TORQUE 7/8" H.S. SLIP BASE PLATE BOLTS TO 84 FT-LBS.
- 7/8" H.S. ANCHOR BARS, WRENCH TIGHTEN - TORQUE REQUIREMENTS 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.
- H.S. BOLTS, FLAT WASHERS AND NUTS AND WASHERS FOR H.S. ANCHOR BARS SHALL CONFORM TO A.S.T.M. A-325. H.S. ANCHOR BARS SHALL CONFORM TO THE CHEMICAL AND PHYSICAL REQUIREMENTS OF A.S.T.M. A-325 TYPE 1 OR TYPE 2.
- HEX. HD. NUT SHOWN OR AS AN ALT. DET. ANCHOR B'S MAY BE RETAINED W/ 5/16" FILLET ALL ROUND OR FORMED HEADS.



THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

E-11

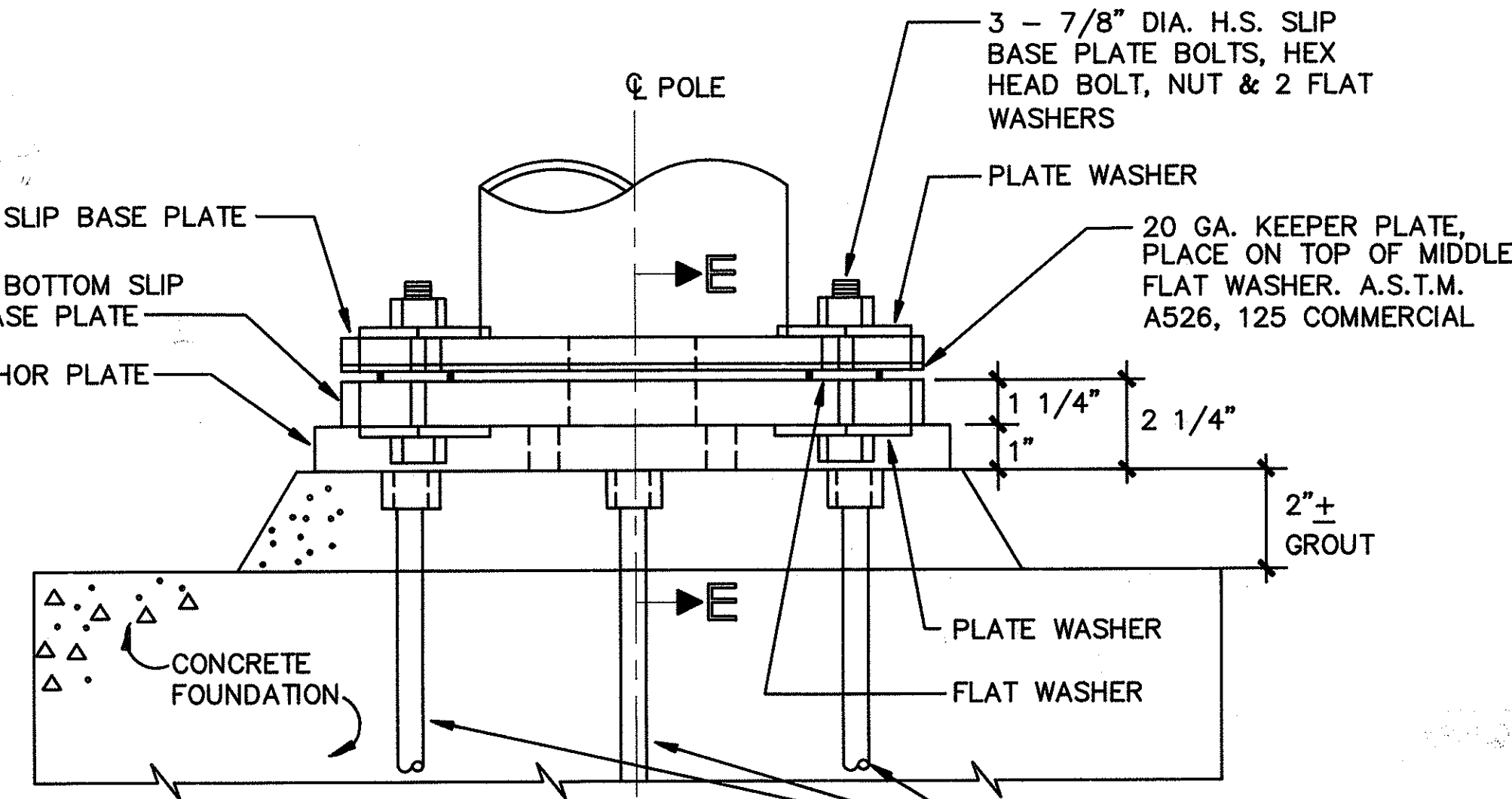
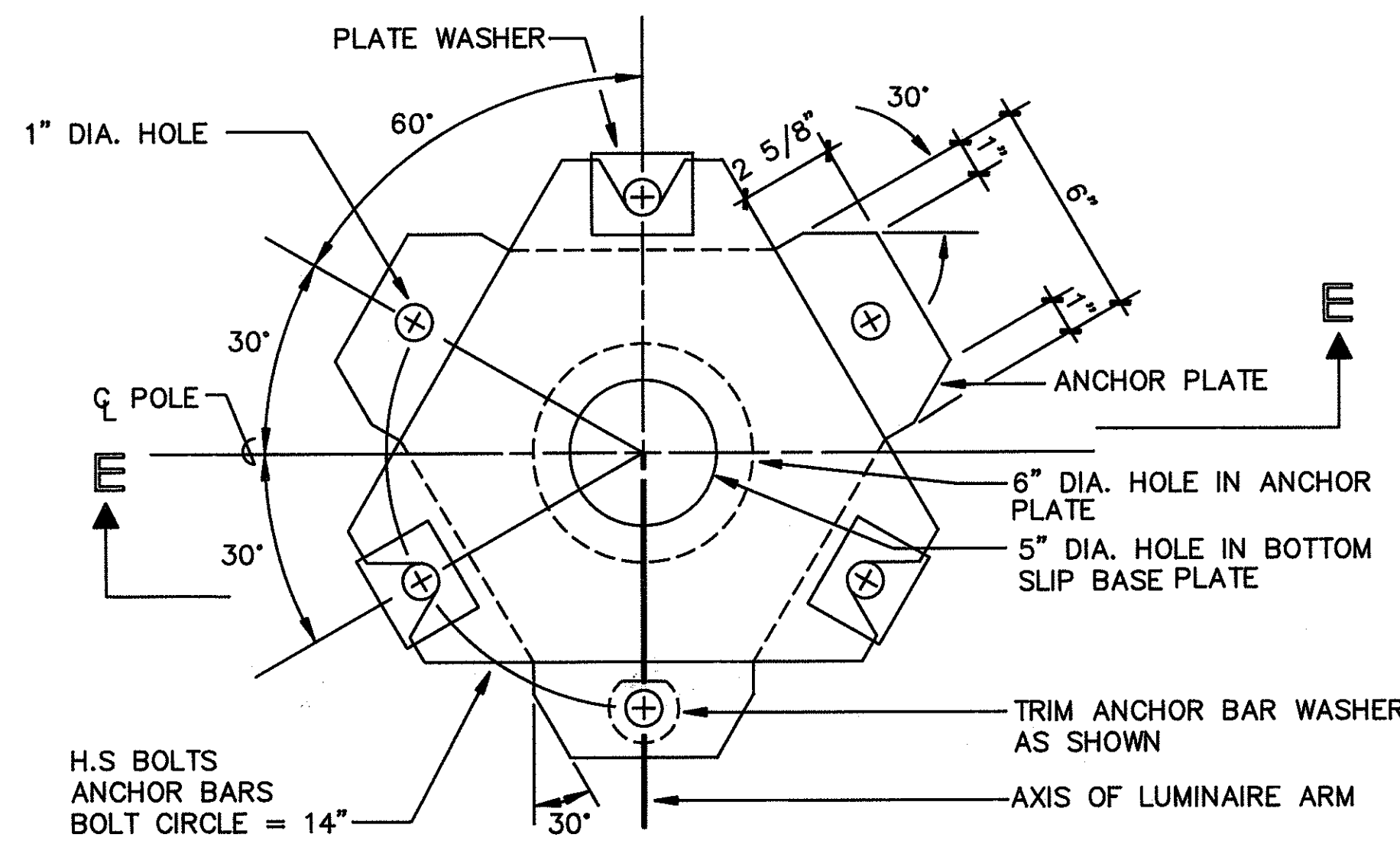
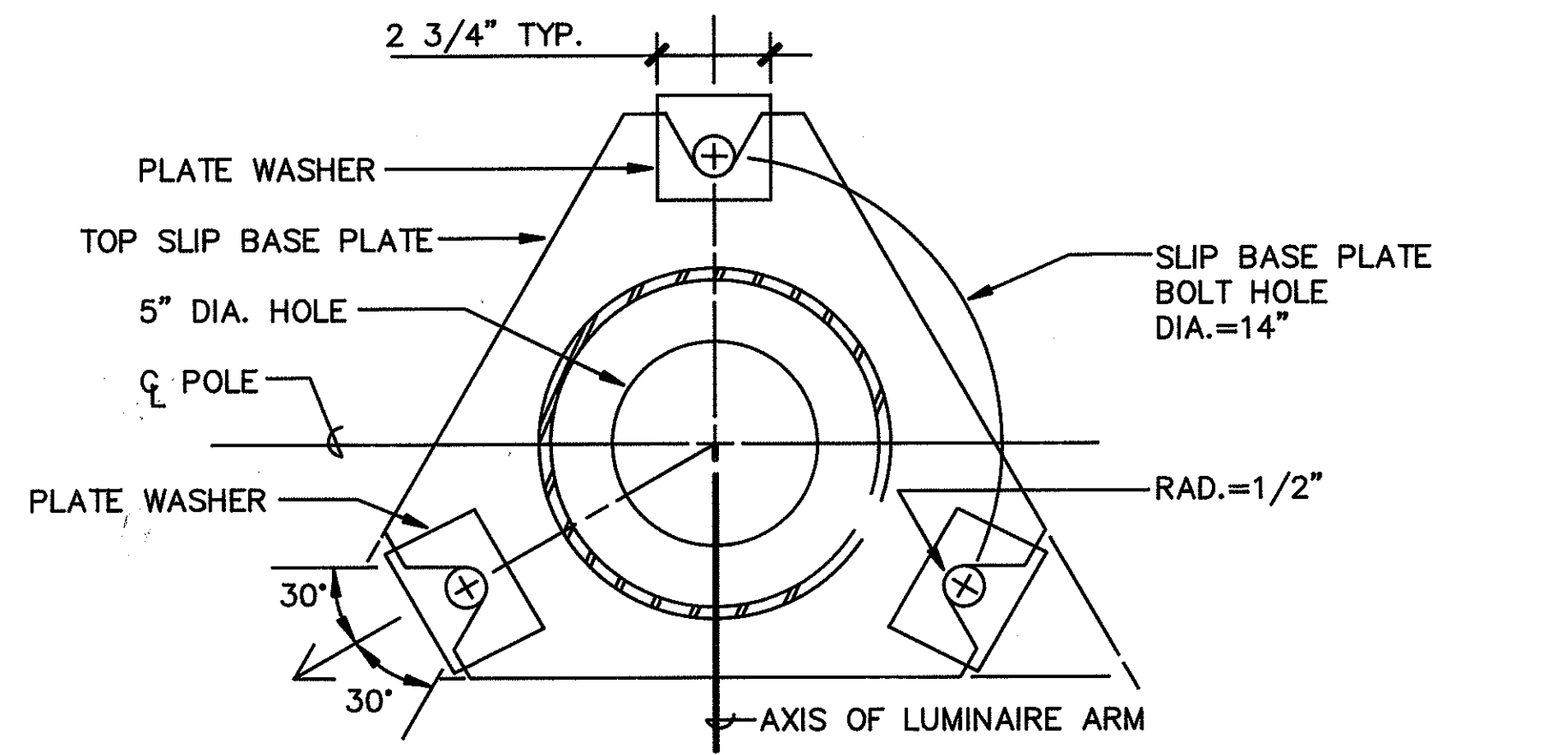
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

SLIP BASE INSERT DETAILS

INTERSTATE ROUTE H-1
KUNIA I.C. TO WAIAWA I.C.
PROJECT No. IR-H1-1(212)

SCALE: AS NOTED

SHEET No. 7 OF 14 SHEETS



SLIP BASE DETAIL
NOT TO SCALE

DVM JOB No.: 89104
CAD FILE No.: 89104E11-A

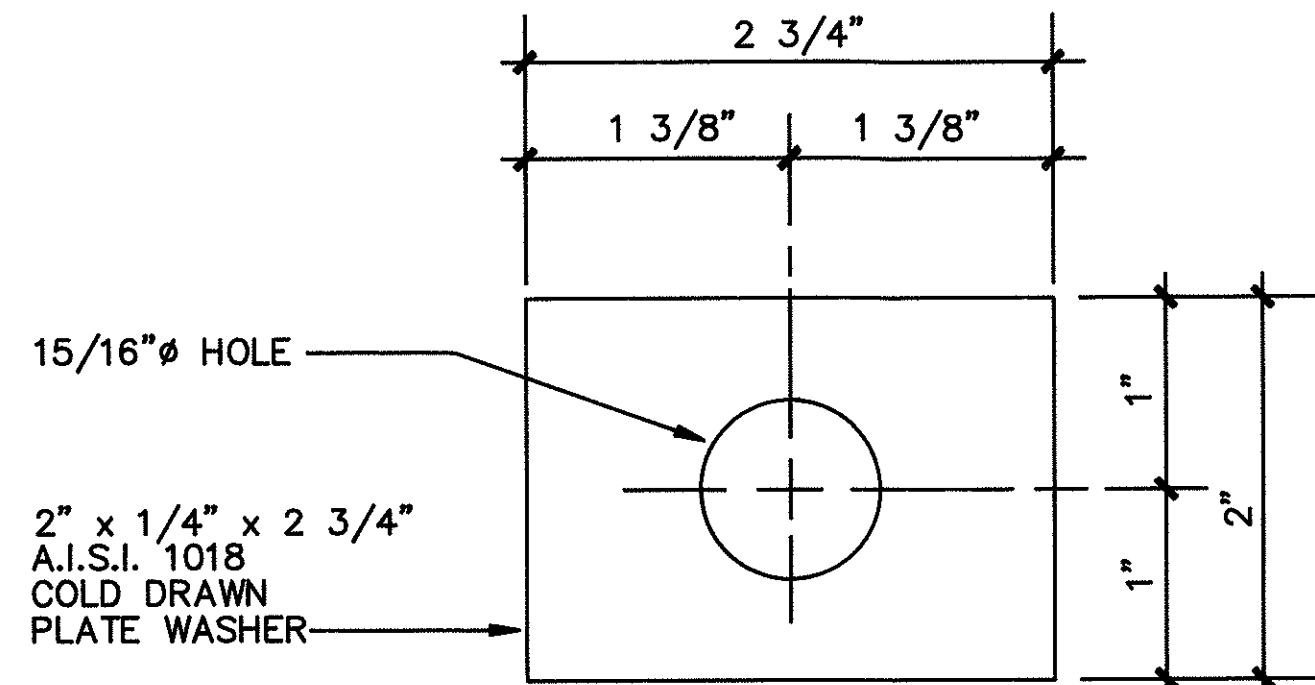
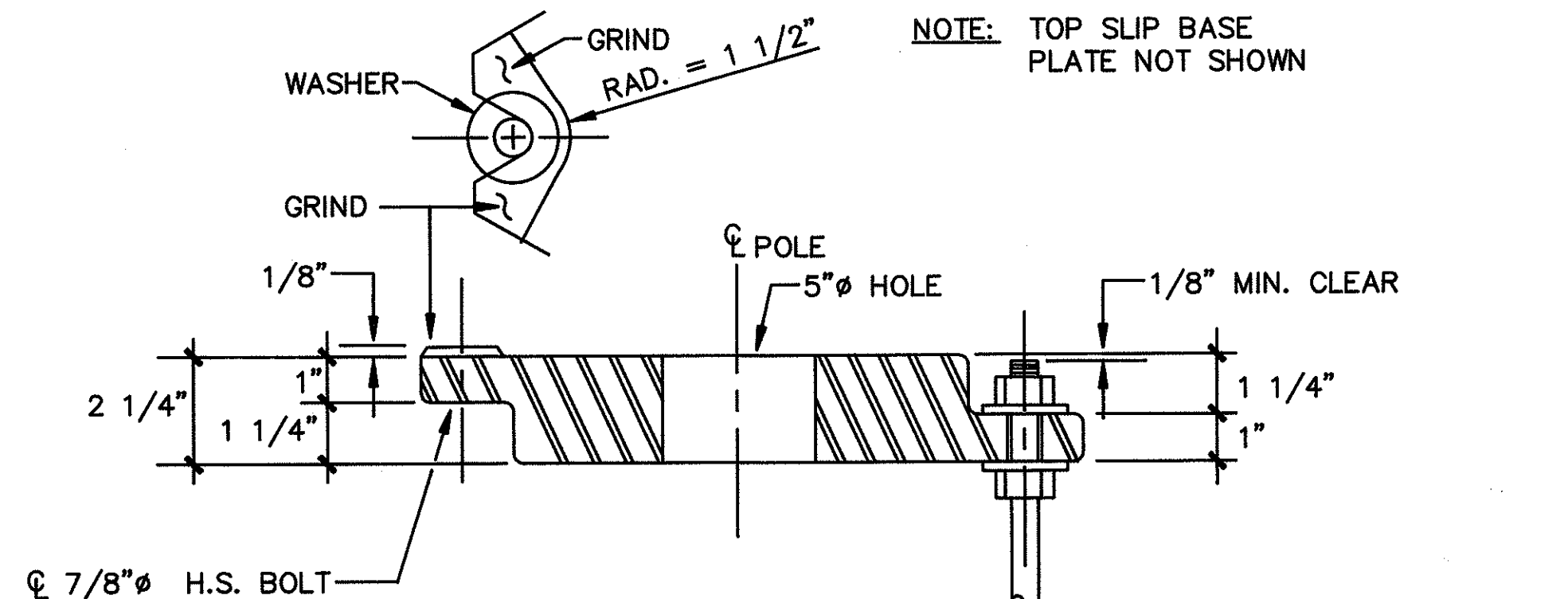
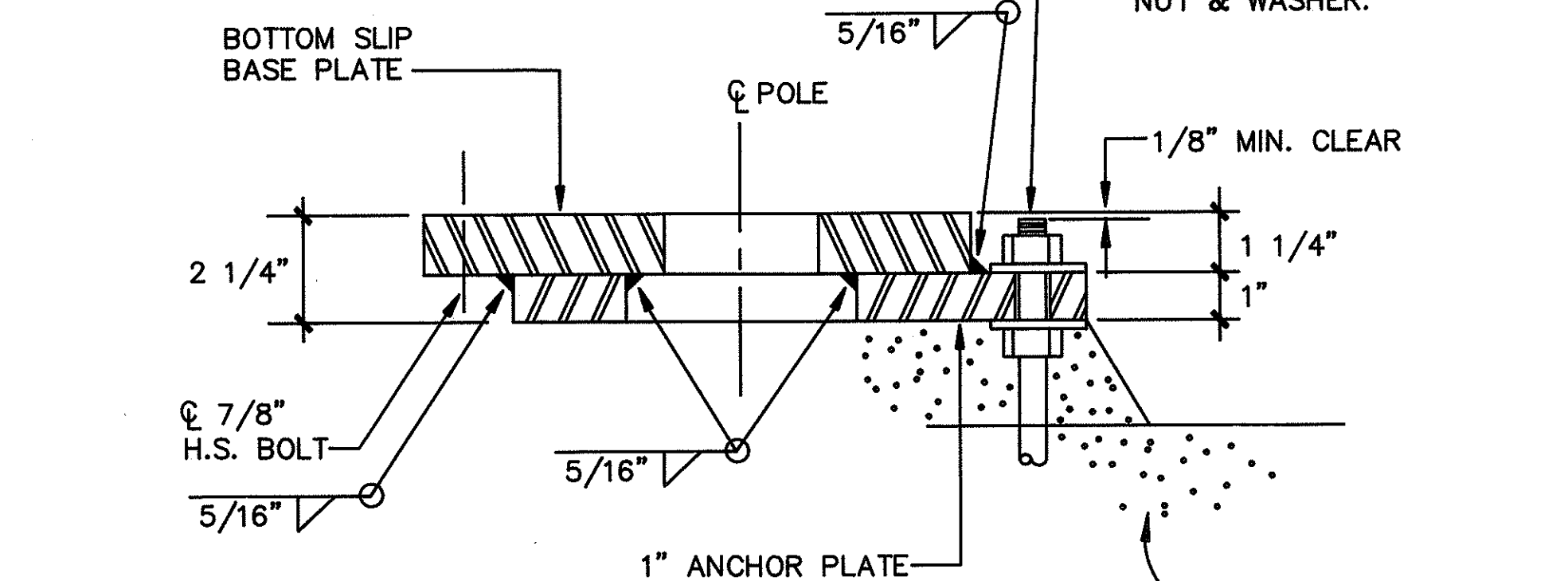


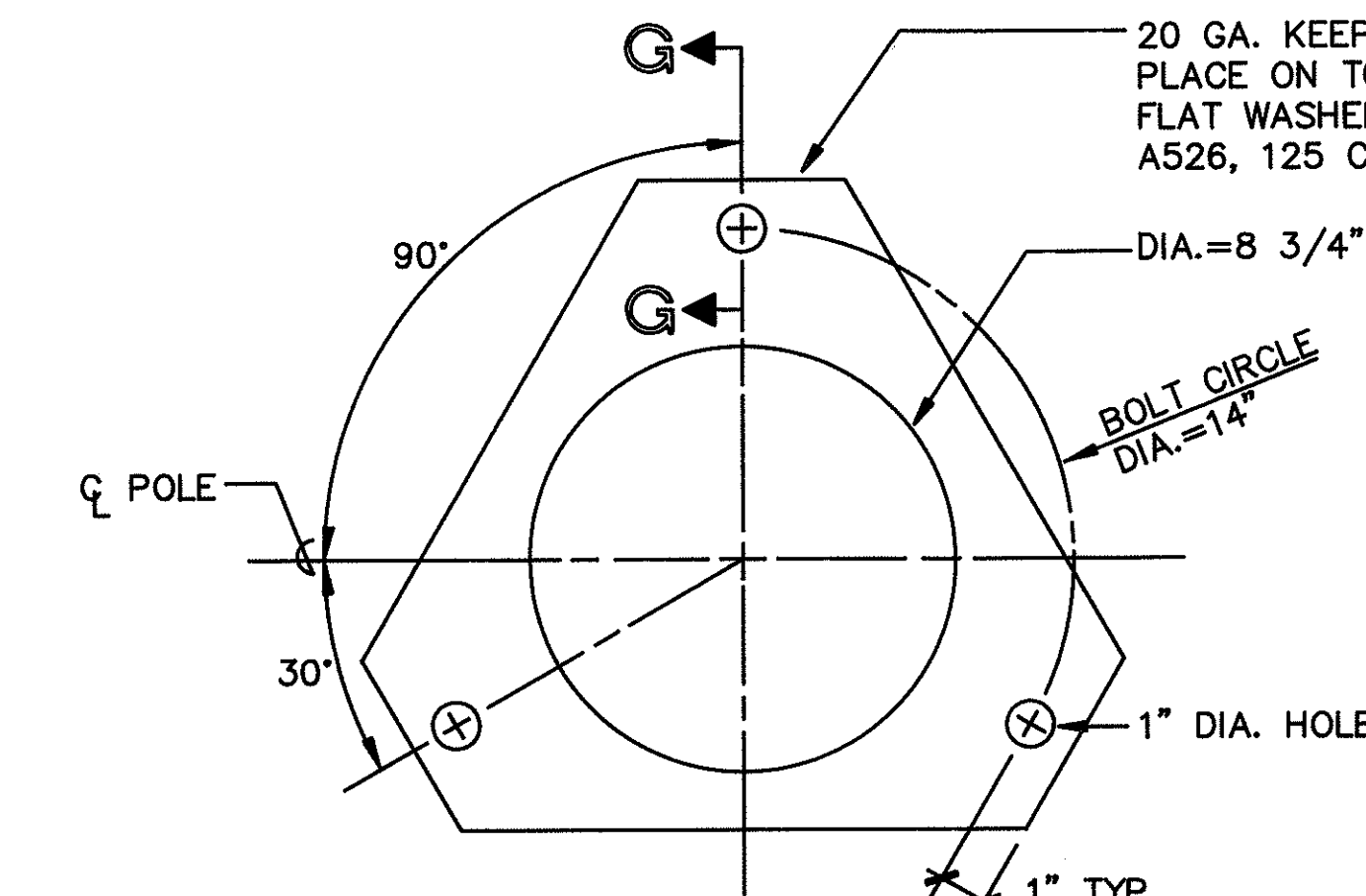
PLATE WASHER



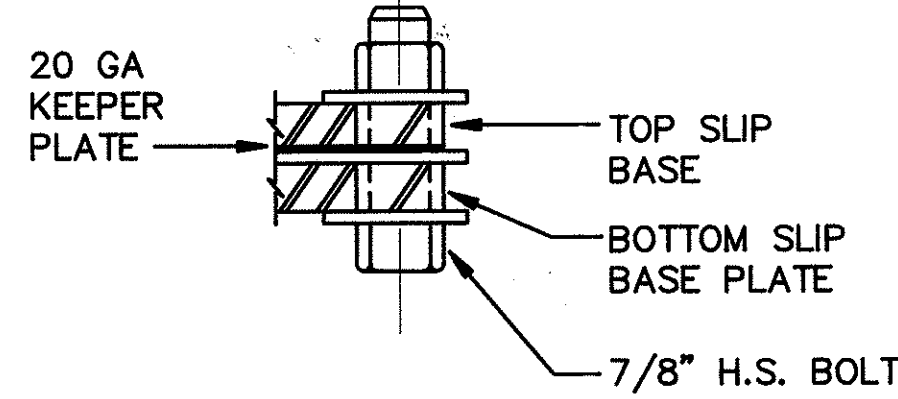
VIEW 'E-E'
CAST OPTION



VIEW 'E-E'
WELDED OPTION



KEEPER PLATE



SECTION 'G-G'