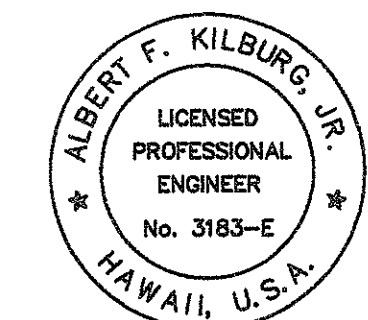
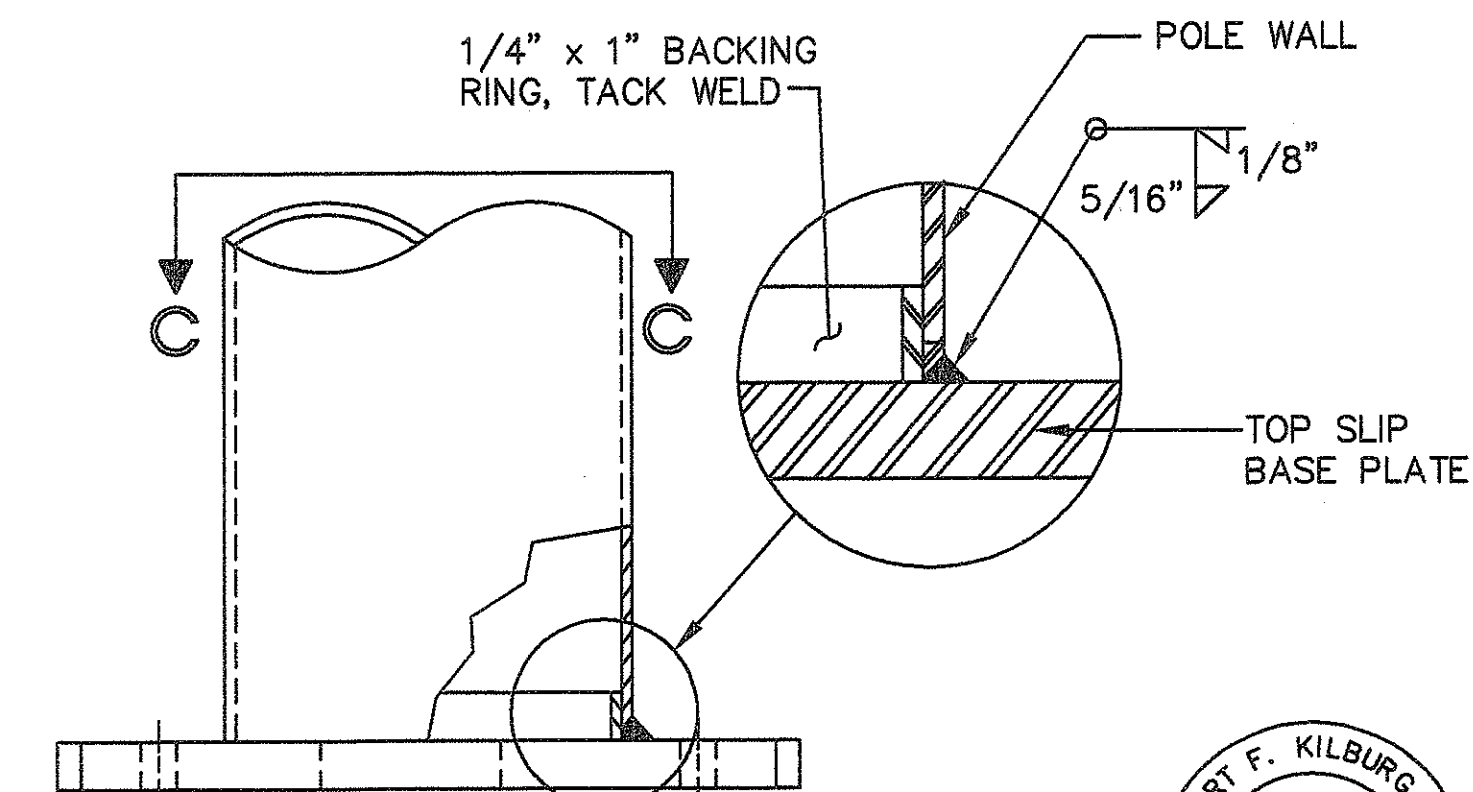


FED. ROAD DIST. No.	STATE	FED. AID PROJ. No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
HAWAII	HAW.	IR-H1-1 (213)	1994	24	38

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.



Albert F. Kilburg, Jr.
THIS WORK WAS PREPARED BY
ME OR UNDER MY SUPERVISION

E-22

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

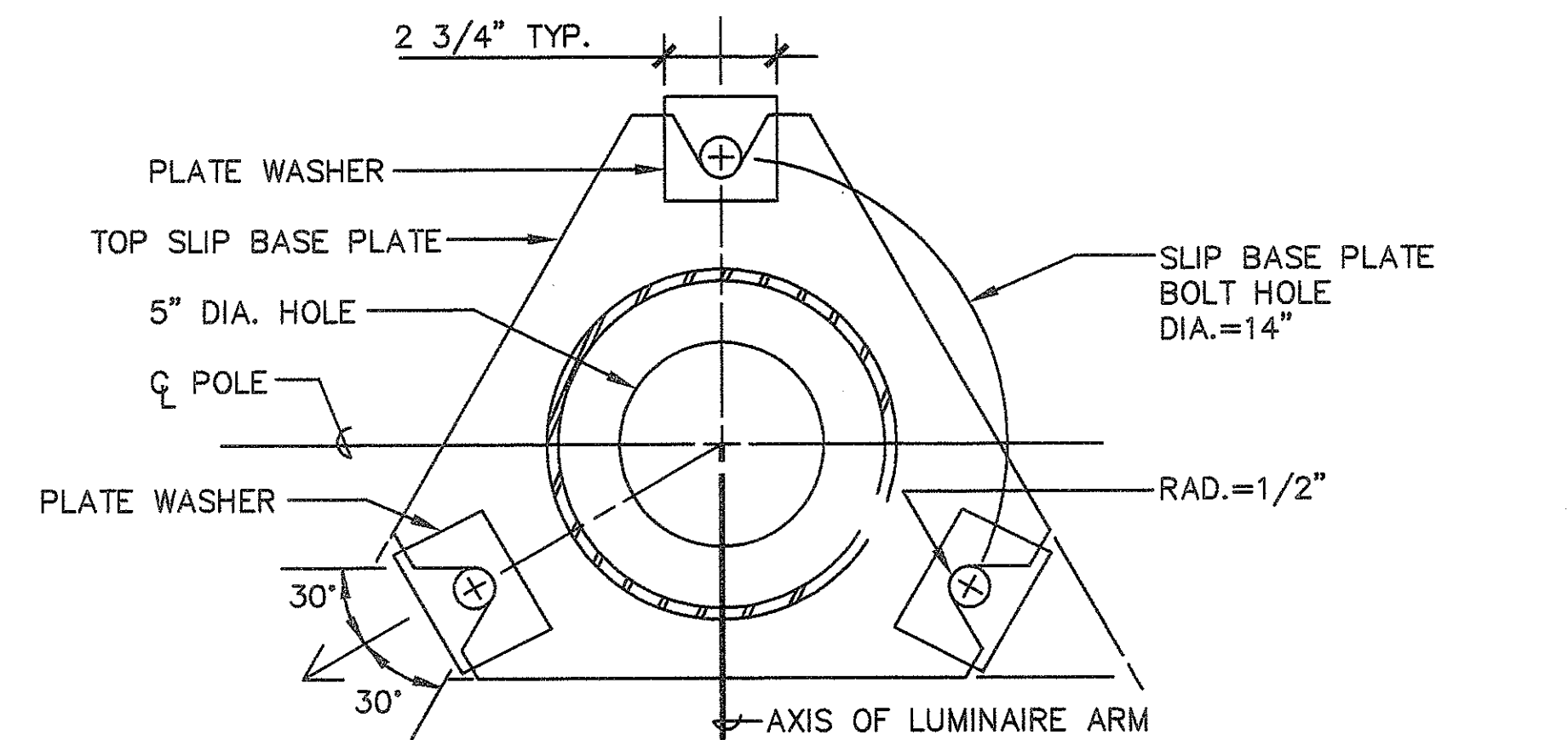
SLIP BASE INSERT DETAILS

INTERSTATE ROUTE H-1
PALAILAI I.C. TO KUNIA I.C.
PROJECT No. IR-H1-1(213)

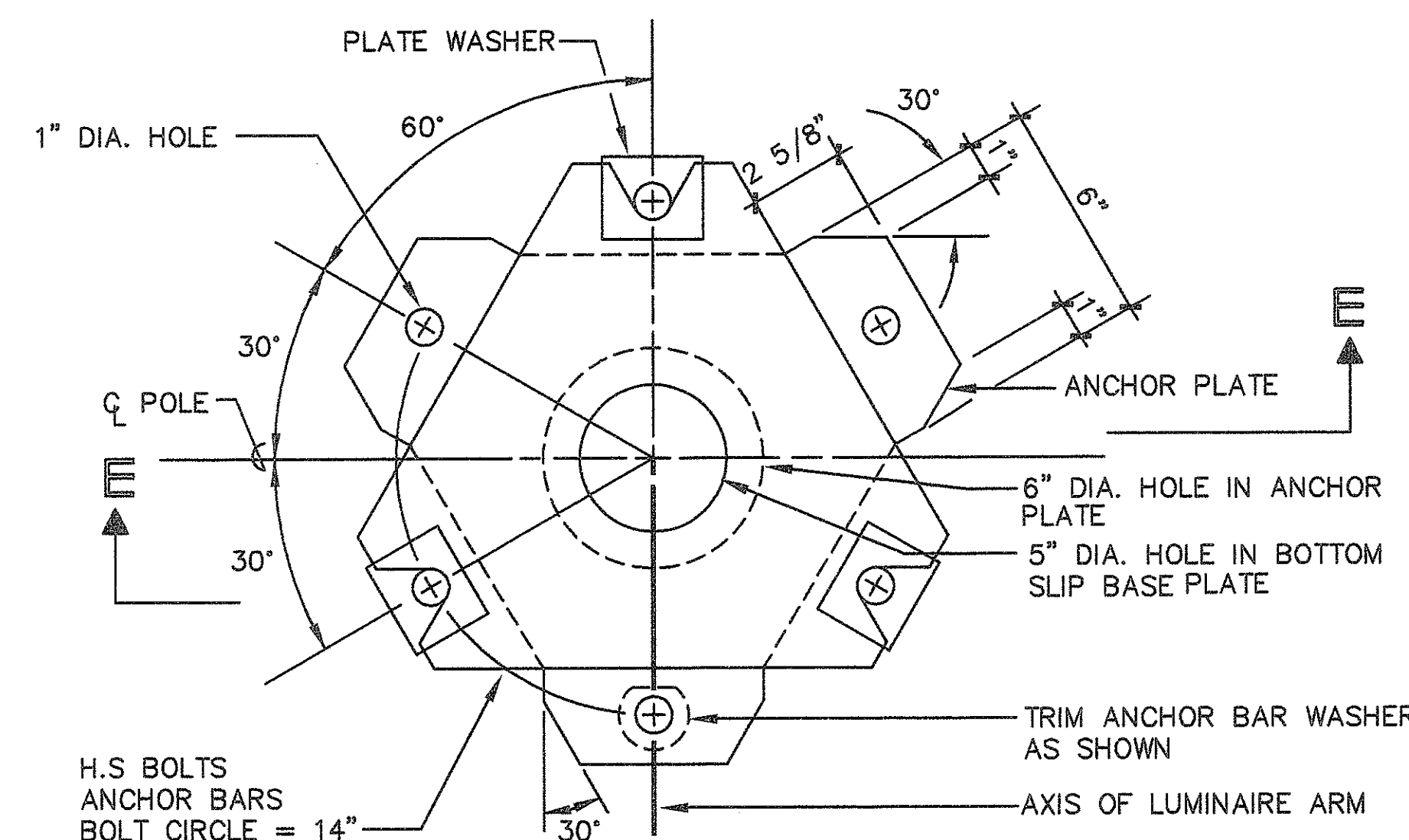
SCALE: AS NOTED

SHEET No. 9 OF 18 SHEETS

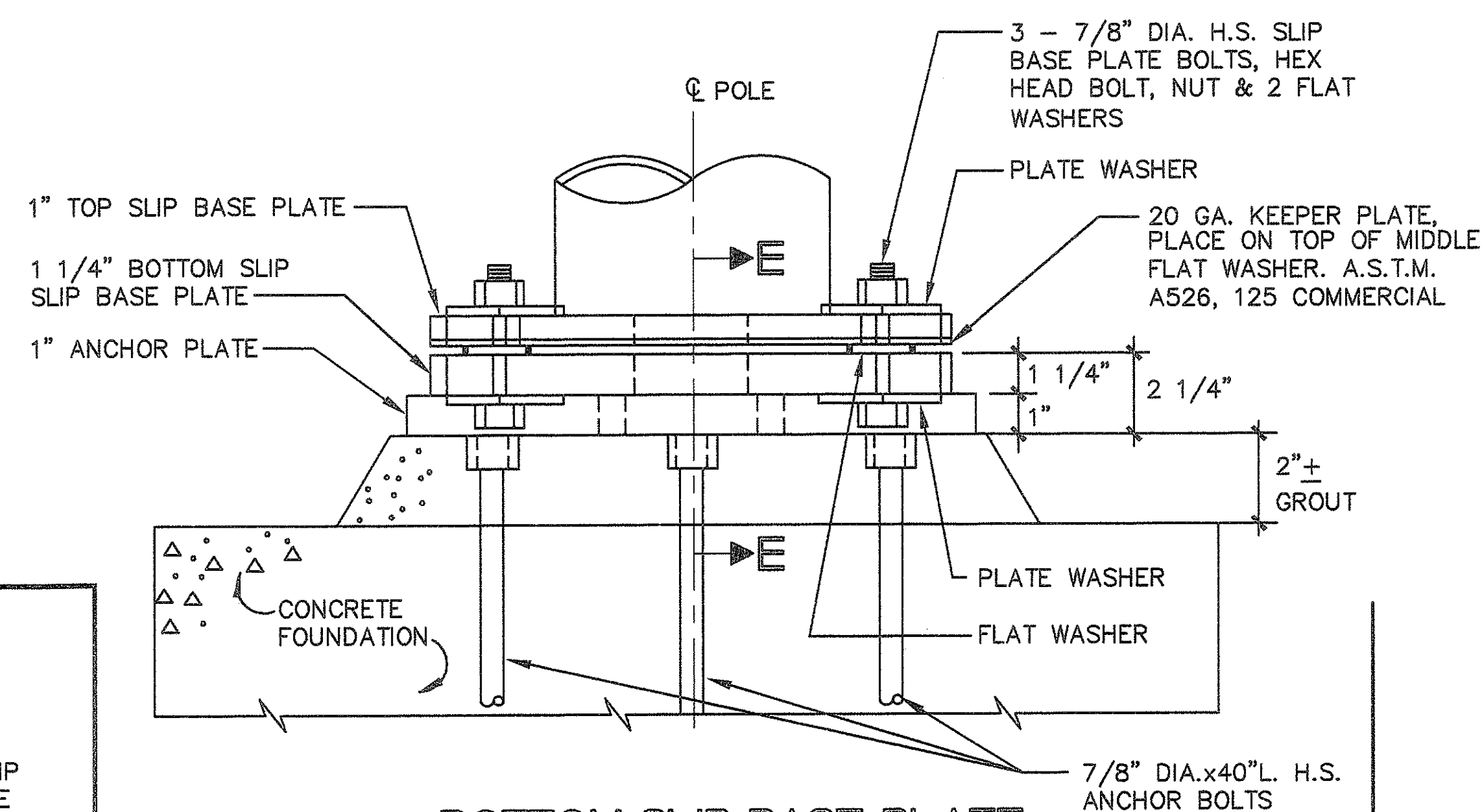
24



VIEW "C-C"
TOP SLIP BASE PLATE



PLAN - BOTTOM PLATES



BOTTOM SLIP BASE PLATE

SLIP BASE DETAIL
NOT TO SCALE

DVM JOB No.: 89104.01
CAD FILE No.: E-22/2

DATE REVISION

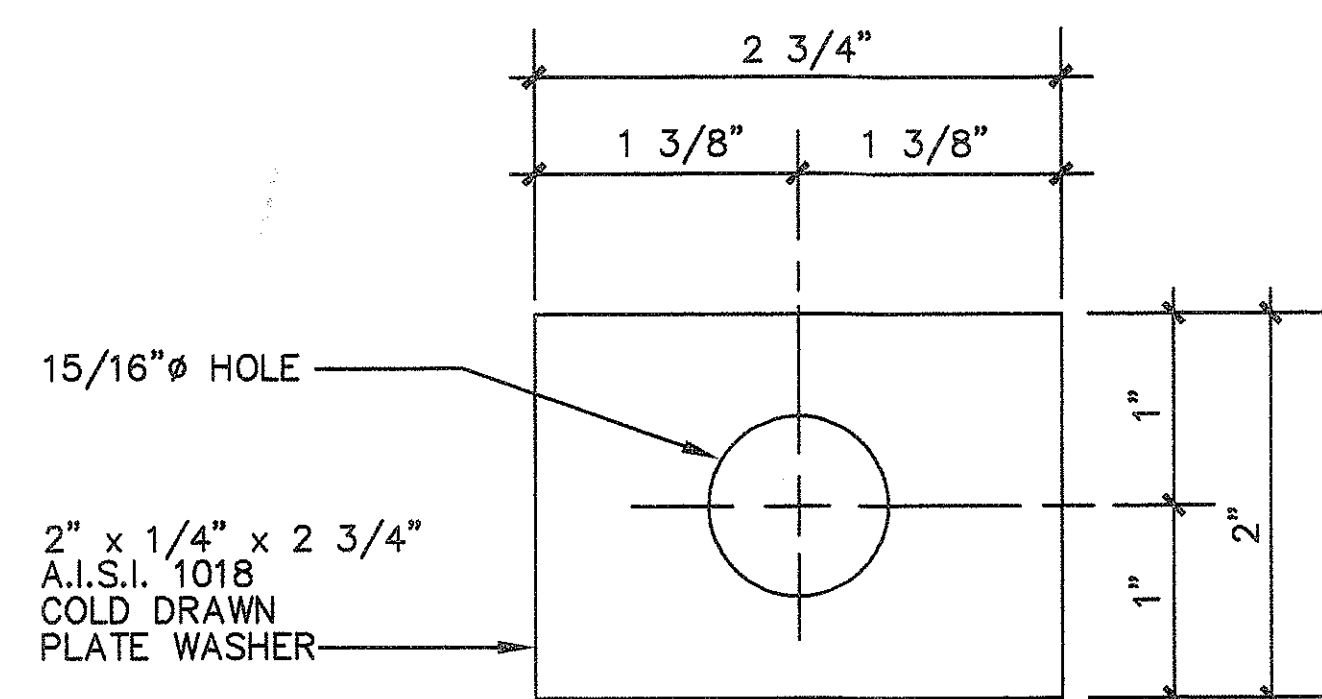
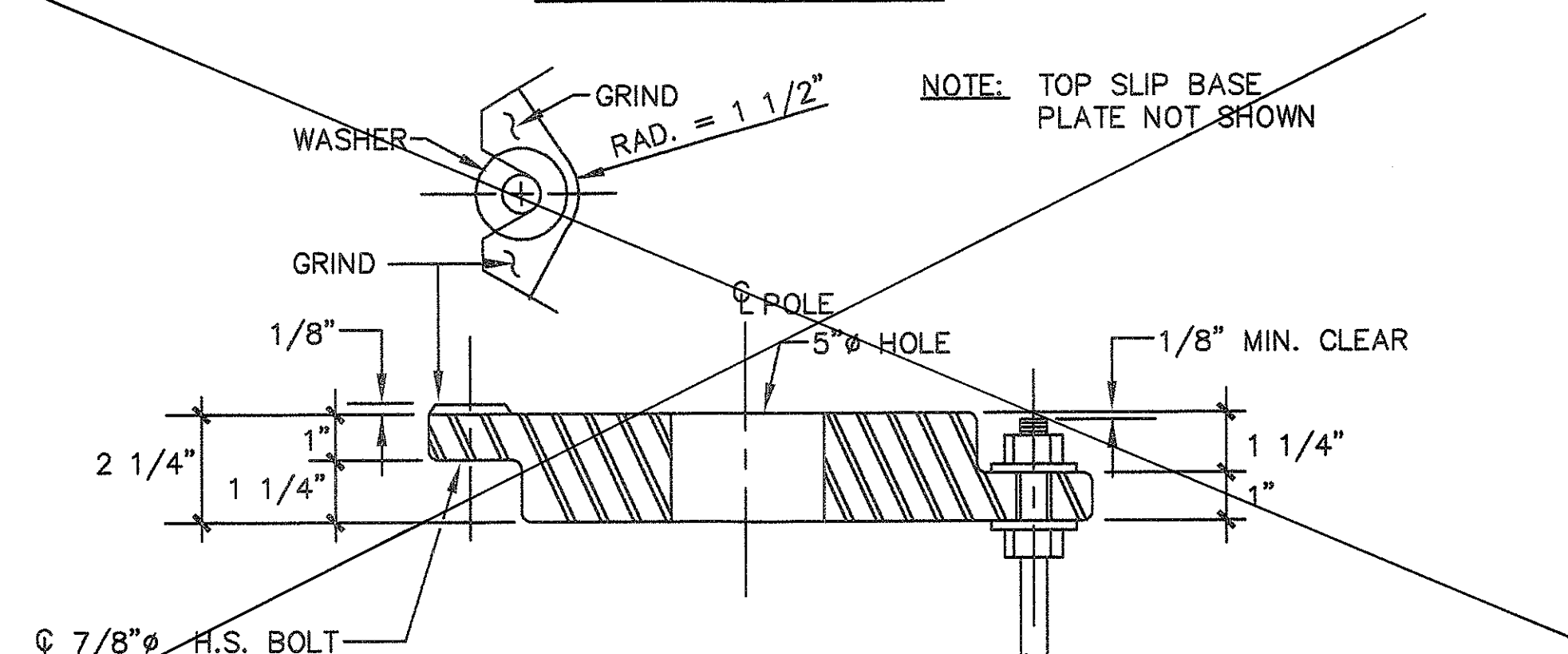
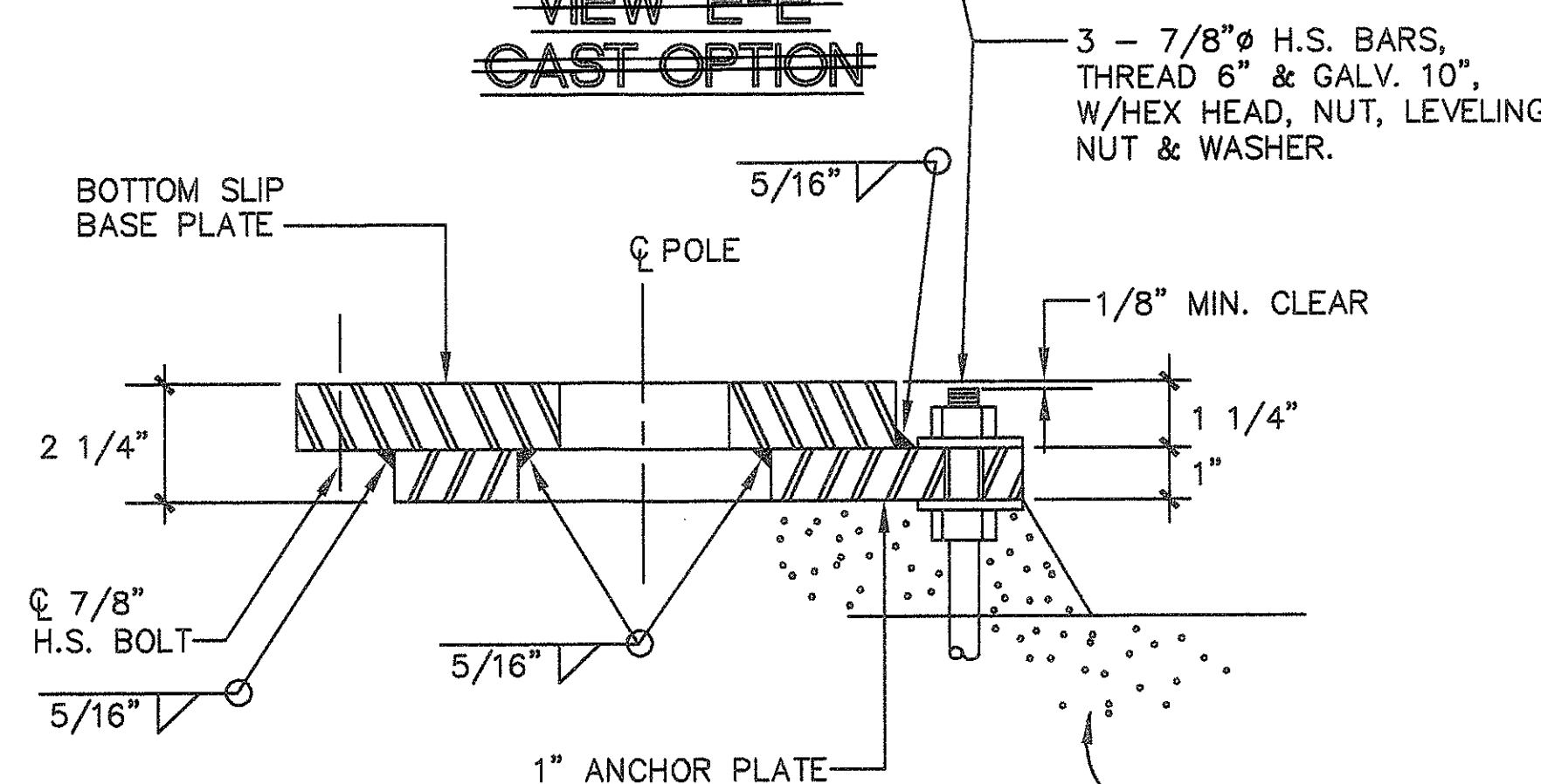


PLATE WASHER

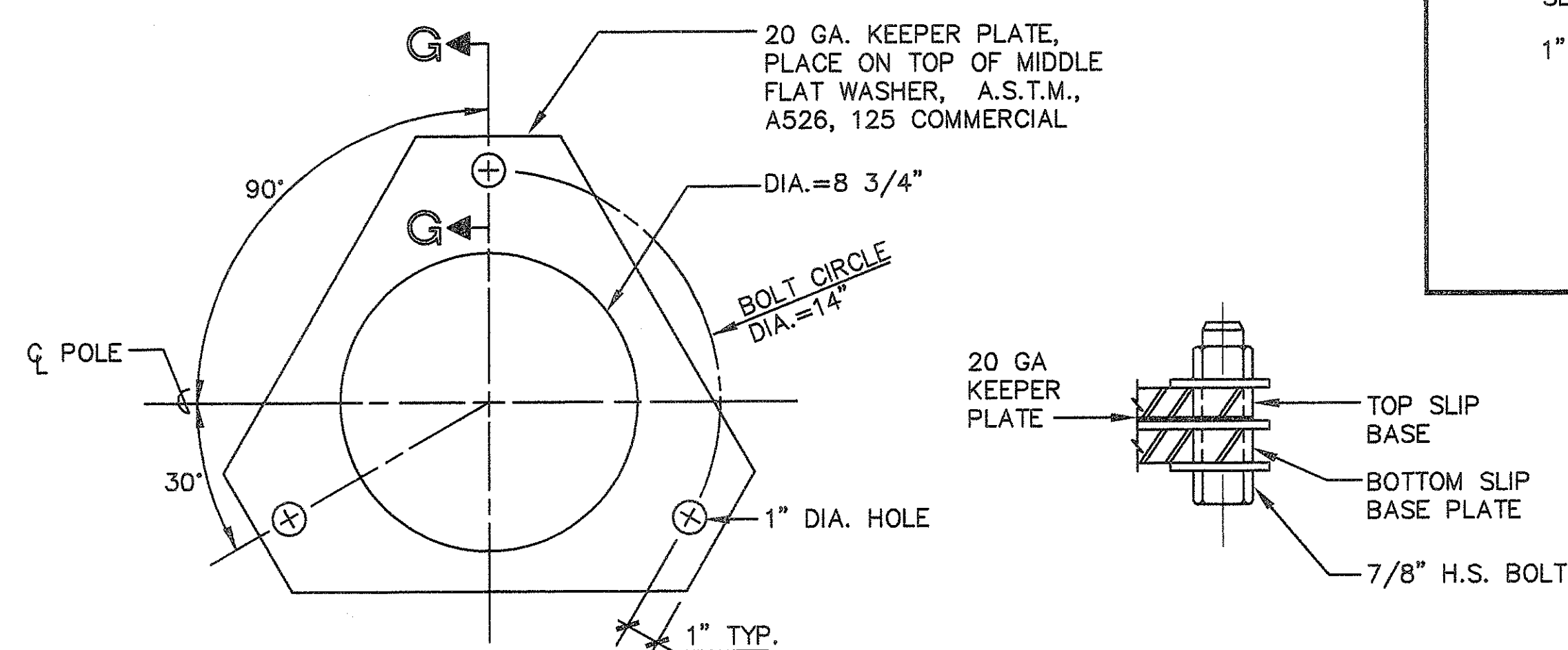


VIEW "E-E"
CAST OPTION

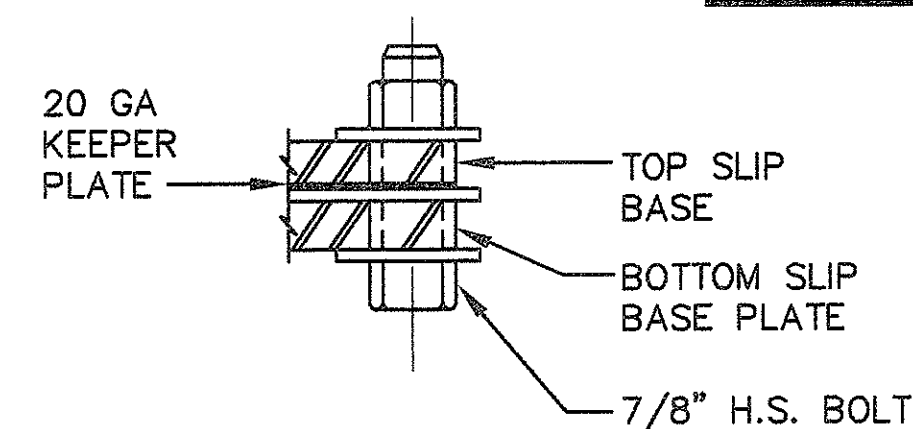


VIEW "E-E"
WELDED OPTION

NOTE: TOP SLIP BASE
PLATE NOT SHOWN



KEEPER PLATE



SECTION "G-G"