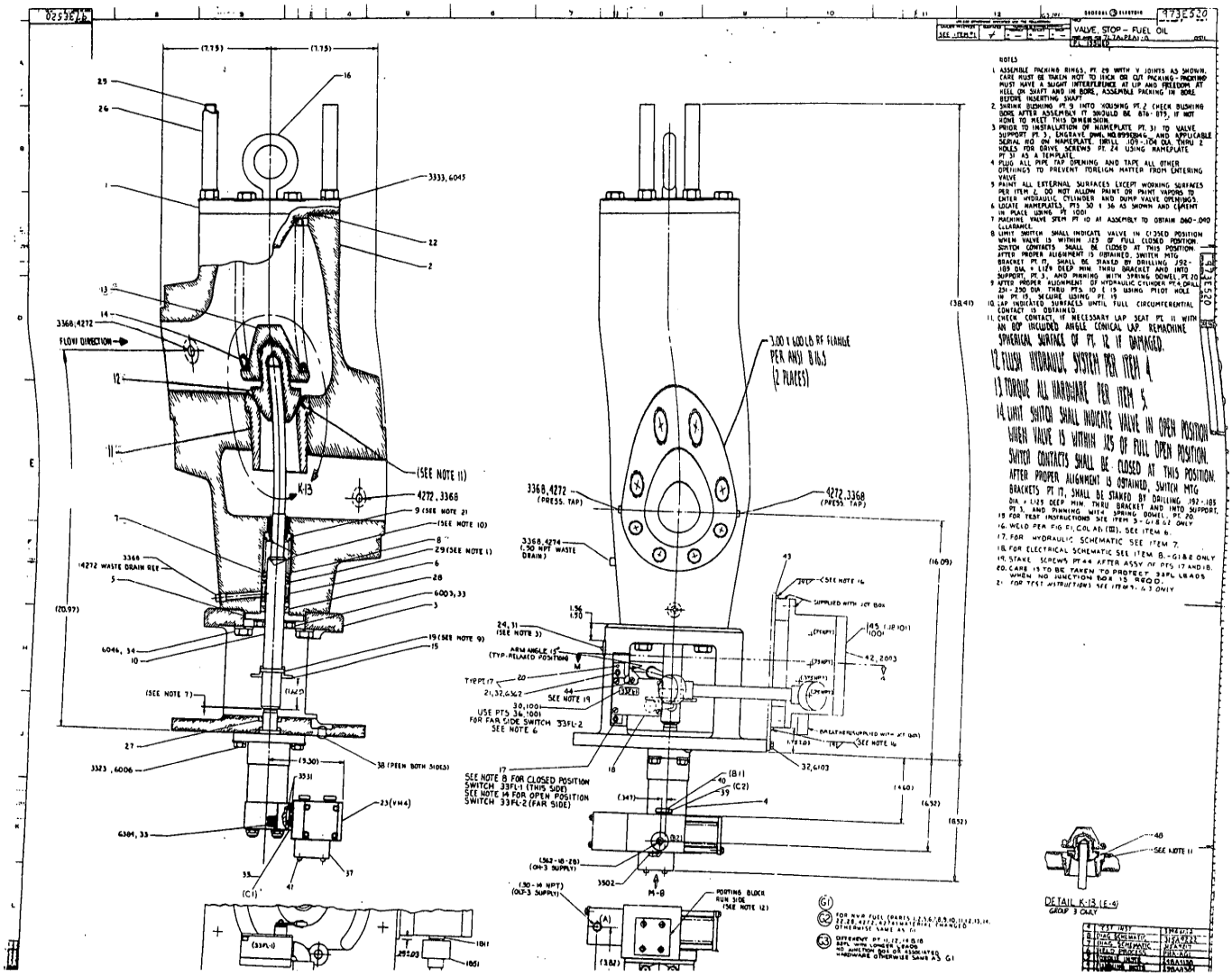
VALVE, STOP - FUEL OIL
NOTES
1. ASSEMBLE PACKING RINGS, PT 29 WITH V JOINTS AS SHOWN. CARE MUST BE TAKEN NOT TO NICK OR CUT PACKING. PACKING MUST HAVE A SLIGHT INTERFERENCE AT LIP AND FREEDOM AT HEEL ON SHAFT AND IN BORE. ASSEMBLE PACKING IN BORE BEFORE INSERTING SHAFT
2. SWAGE BUSHING PT 9 INTO HOUSING PT 2 CHECK BUSHING BORE AFTER ASSEMBLY IT SHOULD BE .876-.875, IF NOT HONE TO MEET THIS DIMENSION
3. PRIOR TO INSTALLATION OF NAMEPLATE PT. 31 TO VALVE SUPPORT PT 3, ENGRAVE (NWL NO 9993846 AND APPLICABLE SERIAL NO ON NAMEPLATE. DRILL .109-.104 DIA. THRU 2 HOLES FOR DRIVE SCREWS PT 24 USING NAMEPLATE PT 31 AS A TEMPLATE.
4. PLUG ALL PIPE TAP OPENING AND TAPE ALL OTHER OPENINGS TO PREVENT FOREIGN MATTER FROM ENTERING VALVE
5. PAINT ALL EXTERNAL SURFACES EXCEPT WORKING SURFACES PER ITEM 2. DO NOT ALLOW PAINT OR PAINT VAPORS TO ENTER HYDRAULIC CYLINDER AND DUMP VALVE OPENINGS.
6. LOCATE NAMEPLATES, PTS 30 & 36 AS SHOWN AND CEMENT IN PLACE USING PT 1001
7. MACHINE VALVE STEM PT 10 AT ASSEMBLY TO OBTAIN .040-.040 CLEARANCE.
8. LIMIT SWITCH SHALL INDICATE VALVE IN CLOSED POSITION WHEN VALVE IS WITHIN .123 OF FULL CLOSED POSITION. SWITCH CONTACTS SHALL BE CLOSED AT THIS POSITION. AFTER PROPER ALIGNMENT IS OBTAINED, SWITCH MTG BRACKET PT 17, SHALL BE STAKED BY DRILLING .192-.189 DIA. x .125 DEEP MIN. THRU BRACKET AND INTO SUPPORT, PT. 3, AND PINNING WITH SPRING DOWEL, PT 20
9. AFTER PROPER ALIGNMENT OF HYDRAULIC CYLINDER PT 4 DRILL .234-.230 DIA THRU PTS. 10 & 15 USING PILOT HOLE IN PT 15. SECURE USING PT 19
10. LAP INDICATED SURFACES UNTIL FULL CIRCUMFERENTIAL CONTACT IS OBTAINED
11. CHECK CONTACT. IF NECESSARY LAP SEAT PT 11 WITH AN 80° INCLUDED ANGLE CONICAL LAP. REMACHINE SPHERICAL SURFACE OF PT. 12 IF DAMAGED.
12. FLUSH HYDRAULIC SYSTEM PER ITEM 4.
13. TORQUE ALL HARDWARE PER ITEM 5.
14. LIMIT SWITCH SHALL INDICATE VALVE IN OPEN POSITION WHEN VALVE IS WITHIN .125 OF FULL OPEN POSITION. SWITCH CONTACTS SHALL BE CLOSED AT THIS POSITION. AFTER PROPER ALIGNMENT IS OBTAINED, SWITCH MTG BRACKETS PT 17, SHALL BE STAKED BY DRILLING .192-.185 DIA x .125 DEEP MIN. THRU BRACKET AND INTO SUPPORT, PT 3, AND PINNING WITH SPRING DOWEL, PT 20
15. FOR TEST INSTRUCTIONS SEE ITEM 5 - G1 & G2 ONLY
16. WELD PER FIG FI, COL AB (III). SEE ITEM 6.
17. FOR HYDRAULIC SCHEMATIC SEE ITEM 7.
18. FOR ELECTRICAL SCHEMATIC SEE ITEM 8. - G1 & 2 ONLY
19. STAKE SCREWS PT 44 AFTER ASSY OF PTS 17 AND 18.
20. CARE IS TO BE TAKEN TO PROTECT 33FL LEADS WHEN NO JUNCTION BOX IS REQ'D.
21. FOR TEST INSTRUCTIONS SEE ITEM 9. - A3 ONLY
3.00 X 600 LB RF FLANGE PER ANSI B16.5 (2 PLACES)
FLOW DIRECTION
(SEE NOTE 11)
K-13
DETAIL K-13 (E-4)
GROUP 3 ONLY