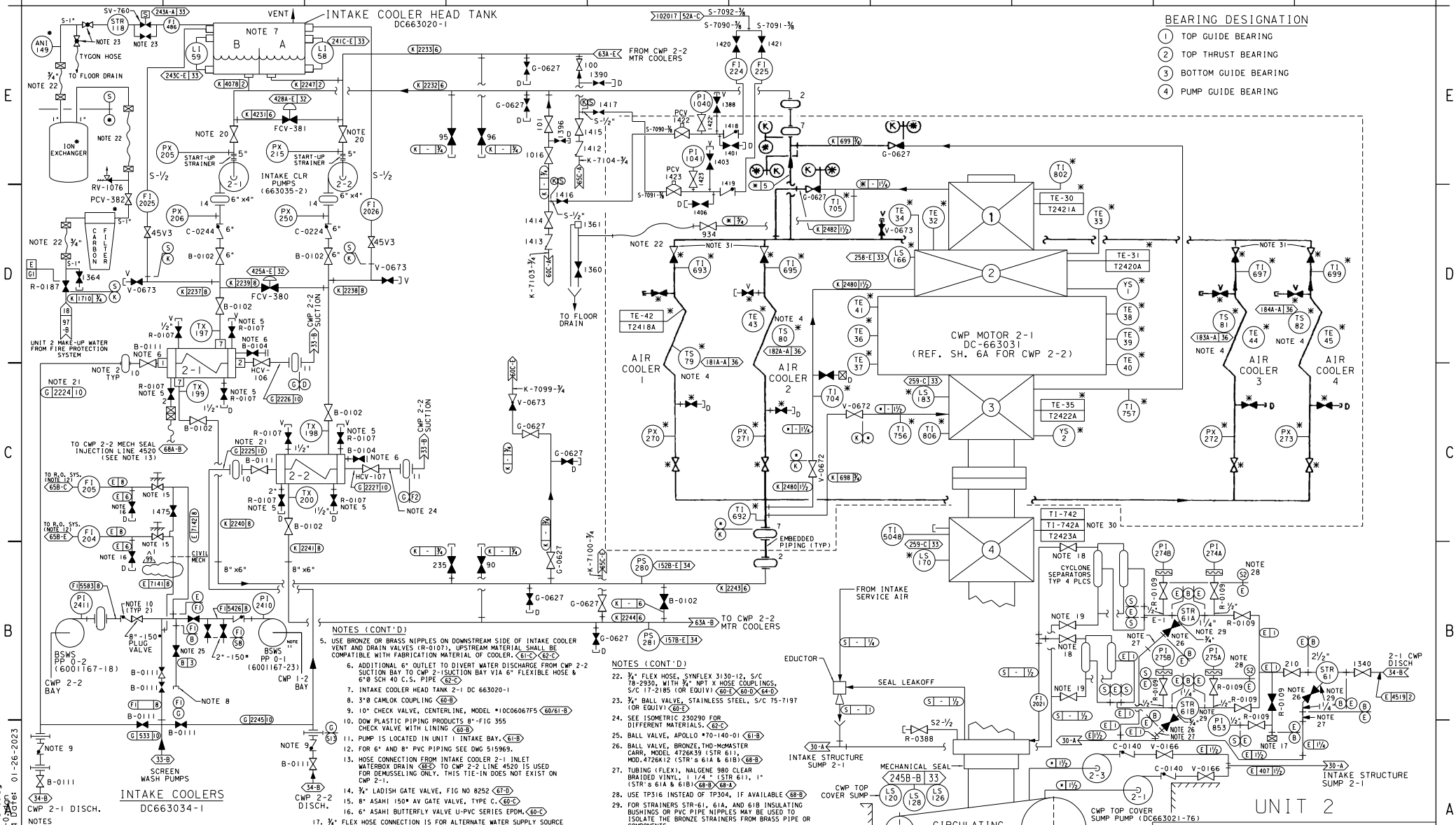

BEARING DESIGNATION

1. TOP GUIDE BEARING
2. TOP THRUST BEARING
3. BOTTOM GUIDE BEARING
4. PUMP GUIDE BEARING

NOTES (CONT'D)

5. USE BRONZE OR BRASS NIPPLES ON DOWNSTREAM SIDE OF INTAKE COOLER VENT AND DRAIN VALVES (R-0107), UPSTREAM MATERIAL SHALL BE COMPATIBLE WITH FABRICATION MATERIAL OF COOLER. 61-C 62-C
6. ADDITIONAL 6" OUTLET TO DIVERT WATER DISCHARGE FROM CWP 2-2 SUCTION BAY TO CWP 2-1SUCTION BAY VIA 6" FLEXIBLE HOSE & 6"Ø SCH 40 C.S. PIPE 62-C
7. INTAKE COOLER HEAD TANK 2-1 DC 663020-1
8. 3"Ø CAMLOK COUPLING 60-B
9. 10" CHECK VALVE, CENTERLINE, MODEL #10C06067F5 60/61-B
10. DOW PLASTIC PIPING PRODUCTS 8"-FIG 355 CHECK VALVE WITH LINING 60-B
11. PUMP IS LOCATED IN UNIT 1 INTAKE BAY. 61-B
12. FOR 6" AND 8" PVC PIPING SEE DWG 515969.
13. HOSE CONNECTION FROM INTAKE COOLER 2-1 INLET WATERBOX DRAIN 66-E TO CWP 2-2 LINE 4520 IS USED FOR DEMUSSELING ONLY. THIS TIE-IN DOES NOT EXIST ON CWP 2-1.
14. ¾" LADISH GATE VALVE, FIG NO 8252 67-D
15. 8" ASAHI 150# AV GATE VALVE, TYPE C. 60-C
16. 6" ASAHI BUTTERFLY VALVE U-PVC SERIES EPDM. 60-C
17. ¾" FLEX HOSE CONNECTION IS FOR ALTERNATE WATER SUPPLY SOURCE TO CWP 2-1 SEAL DURING DEMUSSELING ONLY. IN-SERVICE PUMP AS ALTERNATIVE SOURCE WILL SUPPLY WATER TO BOTH CWP'S MECH SEALS. 68-A
18. WHITEY/SWAGELOK SS-4558 67/68-B
19. BALL VALVE (WHITEY-4456) 67-B
20. KEYSTONE FIG. 122 61/62-E
21. PORTIONS OF THIS PIPING ARE "S13" SPEC. SEE PIPING ISOMETRIC FOR DETAIL. IF BIOX INTERNAL COATING IS DEGRADED, NO REPAIR REQUIRED. REMOVE LOOSE COATING AND FEATHER EDGES OF WELL-BONDED COATING. 61-C 60-C

NOTES (CONT'D)

22. ¾" FLEX HOSE, SYNFLEX 3130-12, S/C 78-2930, WITH ¾" NPT X HOSE COUPLINGS, S/C 17-2185 (OR EQUIV) 60-E 60-D 64-D
23. ¾" BALL VALVE, STAINLESS STEEL, S/C 75-7197 (OR EQUIV) 60-E
24. SEE ISOMETRIC 230290 FOR DIFFERENT MATERIALS. 62-C
25. BALL VALVE, APOLLO #70-140-01 61-B
26. BALL VALVE, BRONZE,THD-MCMASTER CARR, MODEL 4726K39 (STR 61), MOD.4726K12 (STR'S 61A & 61B) 68-B
27. TUBING (FLEX), NALGENE 980 CLEAR BRAIDED VINYL, 1 1/4" (STR 61), 1" (STR'S 61A & 61B) 68-B 68-A
28. USE TP316 INSTEAD OF TP304, IF AVAILABLE 68-B
29. FOR STRAINERS STR-61, 61A, AND 61B INSULATING BUSHINGS OR PVC PIPE NIPPLES MAY BE USED TO ISOLATE THE BRONZE STRAINERS FROM BRASS PIPE OR COMPONENTS
30. TI-742 IS A DUAL ELEMENT T/C, TI-742 & TI-742A. TI-742A IS SPARE.
31. SEE RPE #5286 FOR ALTERNATE REPLACEMENT VALVE. 68-B

NOTES

1. ALL PIPING ON THIS SHEET ARE PG&E CLASS 'E' UNLESS OTHERWISE NOTED.
2. FOR RUBBER EXPANSION JOINTS SEE DC 663323-1. 60-C
3. VENT AND DRAIN VALVES WITH PG&E VALVE NOS ARE ¾" IN SIZE EXCEPT AS NOTED.
4. USED FOR CARBOX FIRE PROTECTION SYSTEM, PG&E RECORD NO DC-663086 AND MULTIVARIABLE INST. SYSTEM DWG 108036, SH'S 31B AND 31C.

INTAKE COOLERS
DC663034-1

CIRCULATING WATER PUMP 2-1 MOTOR COOLING SYSTEM
ANDCWP TOP COVER DRAINAGE SYSTEM
(REFER TO SH.6A FOR CWP 2-2 SYS)

DATE	DWN	RE	IV	PROFESSIONAL ENGINEER	PE DISC.	PE#	PE EXP.	
01-26-2023	ZNS4	FXC2	N/A	NOT REQUIRED PER CF3.1D5	-	-	-	Revised Per DDT-4#2268

DIABLO CANYON POWER PLANT - PG&E CO.
SALTWATER SYSTEM

DRAWING	SHEET	PAGE	REV
108017	6	0	99

RASTER=108017-6-0.dgn
DGN=108017-6-0.dgn
CAD User: ZNS4 Date: 01-26-2023