RC-050:155,100|FORMATS.CEL AC-ESTD

PIPING IS INSTALLED SO PIPE RUNS FULL OF WATER

TEST COUPON PLUG HOLDERS TYP (BY NALCO)

20"-HBC-2 · 1½"-HBC-2 · 12" ± 1" · 12" ± 1" · 1"-HBC-28 · 4"-HBC-28 · 1"-HBC-2

SUPPLY HEADER

13 CORROSION TEST COUPON PIPING ARRANGEMENT (TYP. OF TWO)

COMPONENT COOLING PUMPS MOTOR BEARING OIL DRAIN AND WINDING TEMPERATURE INSTRUMENTATION						
LOCATION	1-1		1-2		1-3	
	TE	T	TE	T	TE	T
	(1)	(2)	(3)	(4)	(5)	(6)
MOTOR STATOR	1657A	T080	1684A	T088	1686A	T096
O/B MTR BRG	1657B	T078	1684B	T086	1686B	T094
MTR BRG P/E	1657C	T079	1684C	T087	1686C	T095
O/B PUMP BRG	1657D	T081	1684D	T089	1686D	T097
PUMP BRG M/E	1657E	T077	1684E	T085	1686E	T093

COMPONENT COOLING SURGE TANK
2350 GAL. (NOTE 3) (NOTE 12)
T12

CHEM. POT FEEDER 1-1
T13 6 GALS. (SEE NOTE 12)

COMPONENT COOLING PUMPS

COMPONENT COOLING HEAT EXCHANGERS

COMPONENT COOLING PUMP DETAIL

SEAL WATER		
PUMP	VALVE "A"	VALVE "B"
P43-1	CC5099A	CC5099B
P43-2	CC5100A	CC5100B
P43-3	CC5101A	CC5101B

NOTES:
1. FOR GENERAL NOTES AND PIPING SYMBOLS AND P&ID INDEX SEE DRAWING M-001.
2. FOR INSTRUMENTATION SYMBOLS SEE DRAWING M-002.
3. CENTER LINE OF COMPONENT COOLING SURGE TANK IS TO BE HIGHEST POINT IN THE COMPONENT COOLING WATER SYSTEM.
4. SYSTEM FUNCTIONS SHOWN ARE FOR NORMAL OPERATION UNDER FULL LOAD.
5. ALL DRAINS, UNLESS OTHERWISE NOTED ON DIAGRAM, TO BE LOCALLY PIPED TO THE NEAREST EQUIPMENT DRAIN
6. DELETED
7. THE CONNECTIONS ¾" ARE FOR ISOLATION VALVES LEAK TEST.
8. UNLESS OTHERWISE NOTED, ALL DRAINS WILL BE 1" AND ALL VENTS ¾". LINE IDENTIFICATION SAME AS HEADER.
9. RADIATION ELEMENTS RE-1412 & RE-1413 ARE "SNOW PLOUGH" TYPE AND DO NOT PENETRATE PIPING.
10. DELETED.
11. THE ONLY VENT OR DRAIN LINE CAPS REQUIRED TO BE SHOWN ON PIPING AND INSTRUMENTATION DIAGRAMS ARE THOSE CONTROLLED UNDER DB-OP-00009 (FORMERLY AD1839.03). THE ACTUAL TERMINATION OF ALL OTHER VENTS OR DRAINS ARE NOT SHOWN AND INSTEAD, AN OPEN ENDED PIPE IS DISPLAYED.
12. WHERE NOTED, TANK CAPACITY IS NOMINAL. WHERE APPLICABLE, SEE DB-PF-06705 (TANK LEVEL CALIBRATION CURVES) FOR INDICATED LEVEL VS VOLUME RELATIONSHIP. (REF: PCAQR 96-0976)
13. AN 1 7/8" THICK BLANK PLATE HAS BEEN INSERTED BETWEEN THESE FLANGES PER MOD 98-0050-00.
14. SOME VALVES NUMBERED WITH A "PW" DESIGNATION (i.e. PW32) ARE BEING USED TO SUPPLY DEMINERALIZED WATER. REFERENCE MOD 95-0050.

LR NOTES:
A. FOR GENERAL LICENSE RENEWAL NOTES REFER TO LR-M001-01.

LICENSE RENEWAL BOUNDARY DRAWING
LR-M036A REV. 1

SYSTEMS SHOWN ON THIS DRAWING:
07: SERVICE WATER
13: COMPONENT COOLING & DEMINERALIZED WATER STORAGE
23: SAMPLING
24: NONSAFETY AFFECTING SAFETY

BECHTEL ASSOCIATES PROFESSIONAL CORPORATION (OHIO)
GAITHERSBURG, MARYLAND

DAVIS-BESSE NUCLEAR POWER STATION UNIT NO.1
THE TOLEDO EDISON COMPANY

THIS DRAWING REV. Q SUPERSEDES IN PART DWG. M-036 REV. 36. WORK THIS DWG. WITH M-036B & M-036C.

PIPING & INSTRUMENT DIAGRAM COMPONENT COOLING WATER SYSTEM Q

JOB NO.	DRAWING NO.	REV.
12501	M-036A	28

DFN= :1/PIDS/M036A .DGN DB 07-02-07 14 34X44 "E" SIZE PSC= 011 10

D-54 01 D54