

8856-M-143

UNCONTROLLED DOCUMENT FOR REFERENCE ONLY

PRIMARY CONTAINMENT

REACTOR PRESSURE VESSEL
(S-401)
(SI-4001)

REACTOR RECIRCULATION PUMP I-A

RECIRC LOOP B, SAME AS LOOP A UNLESS OTHERWISE SPECIFIED

REFERENCE DRAWINGS	SYMBOL	PL. NO.	REV.
1. REACTOR RECIRCULATION P&ID	M-143	E-106248	15
2. NUCLEAR BOILER P&ID	M-142	E-106247	
3. NEUTRON MONITORING SYSTEM I&ED	M-141	E-106246	
4. NUCLEAR BOILER INSTRUMENTATION P&ID	M-140	E-106245	
5. REACTOR WATER CLEANUP P&ID	M-139	E-106244	
6. BWR P&ID	M-138	E-106243	
7. PROCESS SAMPLING P&ID	M-137	E-106242	
8. LIQUID WASTE COLLECTION	M-136	E-106241	
9. REACTOR BLDG. COOLING WATER P&ID	M-135	E-106240	
10. DRYWELL CHILLED WATER P&ID	M-134	E-106239	
11. DRYWELL	M-133	E-106238	
12. REACTOR RECIRCULATION SYSTEM DESIGN SPEC. & DATA SHEETS	M-132	E-106237	
13. CONTROL ROOM HYDRAULIC P&ID	M-131	E-106236	
14. P&ID SECTION OF BWR PIPE EQUIPMENT	M-130	E-106235	
15. REACTOR RECIRCULATION P&ID SET P&ID	M-129	E-106234	

NOTES:

- WHERE THERMOCOUPLES ARE DESIGNATED TE/A, A₂ ETC, TE/A₂ IS A SPARE ELEMENT. (CS-517)
- LOCATE BRANCH CONNECTION AS CLOSE AS POSSIBLE AFTER GLOBE VALVE. LOCATE EXCESS FLOW CHECK VALVES AS CLOSE AS POSSIBLE AFTER THE BRANCH CONNECTION. (E-2-TYP)
- THE GE MFL NUMBER FOR THIS SYSTEM IS BNL
- CHANNEL SEPARATION CRITERIA SHALL BE USED WHEN INSTALLING PRESSURE SWITCHES (NO. 2 & NO. 8)
- RELIEF VALVE HAS A 1/2" INLET, 1500# RAISED FACE FLANGE AND A 3/4" OUTLET, 1500# RAISED FACE FLANGE.
- MOTOR FLANGES ARE 1" 50# ASA R.F.
- MISCELLANEOUS VALVE NUMBERS USED ARE 1-43-001A THRU 1-43-030B
- LOOP "B" RECIRC BY PASS LINE NUMBER IS DCA-142

THIS DRAWING IS A DUPLICATE ORIGINAL HAS BEEN LOST



P&ID UNIT I
REACTOR RECIRCULATION

REV.	DESCRIPTION	DATE
15	REVISED PER CHANGE LIST FOR M-143	5/21/56
14	REVISED PER CHANGE LIST FOR M-143	5/21/56
13	REVISED PER CHANGE LIST FOR M-143	5/21/56
12	REVISED PER CHANGE LIST FOR M-143	5/21/56
11	REVISED PER CHANGE LIST FOR M-143	5/21/56
10	REVISED PER CHANGE LIST FOR M-143	5/21/56
9	REVISED PER CHANGE LIST FOR M-143	5/21/56
8	REVISED PER CHANGE LIST FOR M-143	5/21/56
7	REVISED PER CHANGE LIST FOR M-143	5/21/56
6	REVISED PER CHANGE LIST FOR M-143	5/21/56
5	REVISED PER CHANGE LIST FOR M-143	5/21/56
4	REVISED PER CHANGE LIST FOR M-143	5/21/56
3	REVISED PER CHANGE LIST FOR M-143	5/21/56
2	REVISED PER CHANGE LIST FOR M-143	5/21/56
1	REVISED PER CHANGE LIST FOR M-143	5/21/56

PENNSYLVANIA POWER & LIGHT COMPANY
ALLIANCE POWER SYSTEMS
ROUSHARMA STEAM ELECTRIC STATION - UNIT 1, UNIT 2
BECHTEL - SAN FRANCISCO

P & I D UNIT I
REACTOR RECIRCULATION

DESIGNED BY	DRAWN BY	REV.
8856	M-143	15
PROJECT NO.		E-106248

30X

NINOS MFG. CO.

RIDS

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