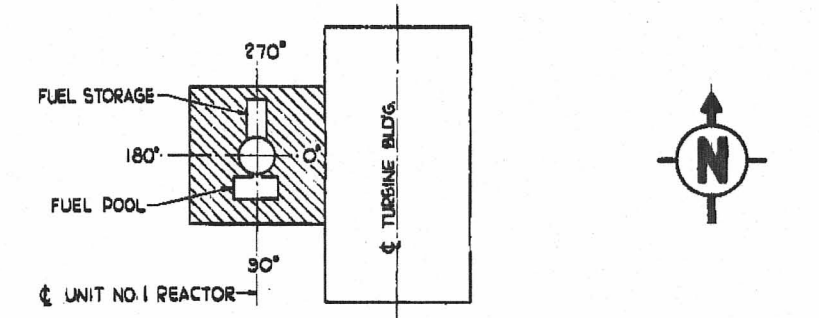


DRYWELL NOZZLE										PROCESS PIPE				REMARKS
PEN. NO.	NO. REQ'D	NOM. DIA.	I.D. AT NOZZLE END	WALL THK.	TYPE	4 VESSEL TO NOZZLE END	ELEV.	AZIMUTH	FORCES ON NOZZLE	LINE SIZE	SERVICE			
X-1	1	12.0"				762'-0"	135°				EQUIPMENT PERSONNEL LOCK	DET. C M-42		
X-2	1	12.0"				762'-0"	815°				EQUIPMENT HATCH	DELETED		
X-3											CONSTR. MANHOLE	DELETED		
X-4	1	24.0"				LOC. IN TOP HR	270°				HEAD ACCESS	8'-0" FROM 4' OP DRYWELL		
X-5	1	24.0"				HR @ 740'-3"	START @ 3200' @ 45°				VENT LINE			
X-6	1	24.0"				769'-0"	249° 30'				CRD REMOVAL HATCH			
X-7	4	30.0"				762'-10"	SECT. C-C		23,000	3,500	30,000	2.0"		
X-8	1	18.0"				759'-0"	0°				CONDENSATE DRAIN			
X-9	4	30.0"				767'-4"	SECT. B-B		23,000	3,500	30,000	1.0"		
X-10	1	18.0"				775'-9"	SECT. B-B				STEAM TO RCIC TURBINE			
X-11	1	24.0"				774'-0"	SECT. B-B		20,000	4,000	20,000	1.0"		
X-12	1	30.0"				761'-9"	SECT. C-C		23,000	3,500	30,000	1.5"		
X-13	2	30.0"				761'-9"	SECT. C-C		23,000	3,500	30,000	2.0"		
X-14	1	30.0"				800'-0"	40°				R.P.V. LEVEL & PRESS. (SPARE (F))			
X-15	1	30.0"				800'-0"	125°		16,000	1,500	7,500	4"		
X-16	2	30.0"				800'-0"	SECT. A-A		16,000	2,000	10,000	2"		
X-17	1	30.0"				807'-0"	190°		16,000	1,500	7,500	4"		
X-18	1	30.0"				750'-3"	50°				SPARE	PITCH DOWN 5°		
X-19	1	30.0"				750'-3"	42°				DRYWELL FLOOR DRAIN PUMP DISCH.	FROM DRYWELL		
X-20	1	30.0"				750'-10"	354°				DEMINERALIZED WATER			
X-21	1	30.0"				750'-10"	0°				SERVICE AIR			
X-22	1	30.0"				750'-10"	63°				N ₂ SUPPLY			
X-23	2	12.0"				750'-3"	SECT. C-C				WELL COOLING WATER SUPPLY	PITCH DOWN 5°		
X-24	2	12.0"				750'-3"	SECT. C-C				WELL COOLING WATER RET.	FROM DRYWELL		
X-25	1	18.0"				815'-4"	335°				VENT FROM DRYWELL			
X-26	1	18.0"				744'-4"	225°				VENT TO DRYWELL	PITCH DOWN 15° TO DRYWELL		
X-27	1	12.0"				805'-0"	140°				R.P.V. LEVEL (SPARE (C&D)) CORE SPRAY (F)			
X-28	1	12.0"				805'-0"	323°				DRYWELL PRESS. AIR FLOW (C&D) CORE SPRAY (G, H, I, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z)	SPARE (B)		
X-29	1	12.0"				766'-0"	SECT. C-C				SYM. FLOW MTR. (A, B, C, D, E, F, G, H, I, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z)			
X-30	1	12.0"				745'-10"	135°				DRYWELL (A) RECIRC. PAKER (B, C, D, E, F, G, H, I, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z)			
X-31	1	12.0"				763'-0"	94°				RECIRC. LOOP FLOW (A, B, C, D, E, F, G, H, I, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z)			
X-32	1	12.0"				745'-10"	130°				RECIRC. PUMP (A) SEAL WATER (B) SPARE (C)			
X-33	1	12.0"				766'-0"	52°				SYM. FLOW MTR. (A, B, C, D, E, F, G, H, I, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z)			
X-34	1	12.0"				805'-0"	SECT. C-C				T.I.P. DRIVES	SEE DWG. M-42 TYPE 12		
X-35	4	11.0"				781'-11"	SECT. C-C				CRD RETURN			
X-36	1	10.0"				781'-11"	SECT. B-B				CRD INSERT			

DRYWELL NOZZLE										PROCESS PIPE				REMARKS
PEN. NO.	NO. REQ'D	NOM. DIA.	I.D. AT NOZZLE END	WALL THK.	TYPE	4 VESSEL TO NOZZLE END	ELEV.	AZIMUTH	FORCES ON NOZZLE	LINE SIZE	SERVICE			
X-37	1	12.0"				37'-2 1/4"	TOP 770' @ 135°	90°			CRD WITHDRAW	SEE DET. M-42, NPM-42		
X-38	2	10.0"				31'-0"	775'-0"	102°			C.C. SPRAY SVS.	DESIGN BY C.B. & I.		
X-39	4	12.0"				37'-3"	775'-0"	102°			SET PUMP INSTR. REACT. SAMPLE			
X-40	1	3.0"				24'-0"	800'-0"	102°			RECIRC. LOOP SAMPLE			
X-41	1	4.0"				38'-3 1/2"	778'-5"	206°			STANDBY LIQ. CONTROL			
X-42	1	30.0"				781'-5"	160°				SPARE			
X-43	1	30.0"				781'-5"	85°				SPARE			
X-44	1	30.0"				781'-5"	202° 30'				SPARE			
X-45	1	30.0"				781'-5"	245°				SPARE			
X-46	1	30.0"				781'-5"	110°				SPARE			
X-47	1	30.0"				781'-5"	220°				EQUIP. DRAIN SUMP			
X-48	1	12.0"				767'-0"	250°				RECIRC. LOOP (A, B, C, D) R.P.V. LEVEL & PRESS. (A, B, C, D)			
X-49	1	12.0"				767'-0"	SECT. B-B				RECIRC. LOOP (E, F, G, H) R.P.V. LEVEL & PRESS. (E, F, G, H)			
X-50	1	12.0"				767'-0"	SECT. B-B				RECIRC. LOOP (I, J, K, L) R.P.V. LEVEL & PRESS. (I, J, K, L)			
X-51	1	12.0"				767'-0"	102°				RECIRC. LOOP (M, N, O, P) R.P.V. LEVEL & PRESS. (M, N, O, P)			
X-52	1	12.0"				767'-0"	52°				RECIRC. LOOP (Q, R, S, T) R.P.V. LEVEL & PRESS. (Q, R, S, T)			
X-53	1	12.0"				767'-0"	250°				POWER OPER. TEST			
X-54	1	12.0"				780'-3"	SECT. C-C				HOT WATER FROM DRAIN SUMP COOLERS & DRYWELL (A, B, C, D) COOLING WATER TO DRAIN SUMP COOLERS & DRYWELL (E, F, G, H)			
X-55	1	12.0"				780'-3"	SECT. C-C				HOT WATER FROM DRAIN SUMP COOLERS & DRYWELL (I, J, K, L) COOLING WATER TO DRAIN SUMP COOLERS & DRYWELL (M, N, O, P)			
X-56	1	12.0"				780'-3"	270°				RECIRC. LOOP (A, B, C, D) R.P.V. LEVEL & PRESS. (A, B, C, D)			
X-57	1	12.0"				745'-10"	315°				RECIRC. PRESS. (A, B, C, D) RECIRC. (E, F, G, H)			
X-58	7	10.0"				767'-0"	SECT. B-B				NEUTRON MONITORING (A, B, C, D, E, F, G, H, I, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z)			
X-59	4	10.0"				767'-0"	SECT. B-B				RECIRC. PUMP POWER (A, B, C, D) SPARE (E, F, G, H)			
X-60	1	10.0"				767'-0"	SECT. B-B				MAIN DRAIN (A, B, C, D) SPARE (E, F, G, H)	INSTRUMENTATION		
X-61	1	10.0"				767'-0"	SECT. B-B				TEMPERATURE			
X-62	4	10.0"				767'-0"	SECT. B-B				CRD ROD POSITION INDIC.			
X-63	4	10.0"				767'-0"	SECT. B-B				POWER & INSTRUMENT (A, B, C, D)			
X-64	4	10.0"				767'-0"	SECT. B-B				POWER & INSTRUMENT (E, F, G, H)			
X-65	5	10.0"				767'-0"	SECT. B-B				TEMPERATURE (A, B, C, D, E)			
X-66	8	16.0"				822'-11 1/2"	SECT. A-A				MALE STABILIZERS	INSPECTION PORTS		
X-67	1	4.0"				23'-0"	202° 30'				SPW LEVEL AT DRYWELL LEVEL (A)	SEE P&ID-10554		
X-68	1	4.0"				23'-0"	345°				SPW LEVEL AT DRYWELL LEVEL (B)	SEE P&ID-10554		



- NOTES**
- PENETRATIONS ARE HORIZONTAL IN ELEVATION AND RADIAL IN PLAN UNLESS NOTED.
 - FORCES ON NOZZLES:
F_A IS AXIAL (LBS.)
F_S IS IN SHEAR (LBS.)
M_B IS IN BENDING (FT. LBS.)
 - SEE NOZZLE LOAD SHEET ON DWG. M-42
 - CHANGED DRAWING NO. FROM 1-101, REV. 3 TO SK-M-51, REV. 4.
 - EXTERNAL NOZZLE WELD END PREP PER DETAIL ON M-43
- GENERAL NOTE**
- THIS DWG. TO BE USED FOR REF. ONLY. C. B. & I. DRAWINGS MUST BE USED FOR ALL DIMENSIONS.**

- REFERENCE DWG'S**
- SK-M-50 CONTAINMENT VESSEL REQ'TS-DRYWELL-PLANS & SECTIONS
 - M-42 CONTAINMENT VESSEL REQ'TS-PENETRATIONS DETAILS
 - M-43 CONTAINMENT VESSEL REQ'TS-TOPUS PENETRATIONS
 - DWG. NO. M-43 WAS SK-M-53, M-42 WAS SK-M-52.

