



- NOTES:**
1. ALL COMPONENT NUMBERS PREFIXED 66 UNLESS OTHERWISE NOTED.
 2. FOR GENERAL NOTES & REFERENCE DRAWINGS SEE DRAWING NO. FB-10D.
 3. SEE FM-46B FOR UNIT COOLER 66UC-22A TO K DETAILS.
 4. HOSE CONNECTIONS FOR SLC DRAIN TANK (11TK-5) DISCHARGE (FM-21A) VIA 11P-5.
 5. TABLE 1 FOR MANUAL VALVES FOR COOLING COILS 66E-4A & B.
 6. ALL MANUAL VALVES PREFIXED 66S UNLESS OTHERWISE NOTED.
 7. SEE TABLE 2 FOR UNIT COOLER SUPPLY AND RETURN VALVES, VENT AND DRAIN VALVES, AND TEMPERATURE INDICATOR COMPONENT ID NUMBERS.

- REFERENCES:**
1. FLOW DIAGRAM SERVICE WATER FM-16A.
 2. FLOW DIAGRAM REACTOR BUILDING COOLING WATER FM-15A.
 3. FLOW DIAGRAM SYMBOLS FM-14A.

TABLE 1

VALVE DESCRIPTION	66E 4A	66E 4B
LOWER COIL SUPPLY	66SWS-203	66SWS-206
LOWER COIL RETURN	66SWS-209	66SWS-212
LOWER COIL VENT	66SWS-213A	66SWS-213B
LOWER COIL DRAIN	66SWS-213C	66SWS-213D
MIDDLE COIL SUPPLY	66SWS-210	66SWS-213
MIDDLE COIL RETURN	66SWS-212A	66SWS-212B
MIDDLE COIL VENT	66SWS-212C	66SWS-212D
MIDDLE COIL DRAIN	66SWS-212E	66SWS-212F
UPPER COIL SUPPLY	66SWS-205	66SWS-208
UPPER COIL RETURN	66SWS-211	66SWS-214
UPPER COIL VENT	66SWS-211A	66SWS-211B
UPPER COIL DRAIN	66SWS-211C	66SWS-211D
COMMON RETURN DRAIN	66SWS-214A	66SWS-214B

TABLE 2

VALVE DESCRIPTION	UC-16	UC-17A	UC-17B	UC-18	UC-19A	UC-19B	UC-21A	UC-21B	UC-21C	UC-21D
Y-STRAINER	YS-131A	YS-141A	YS-141B	YS-151A	YS-161A	YS-161B	YS-171A	YS-171B	YS-171C	YS-171D
YS DRAIN VALVE	716-3	717A-3	717B-3	718-3	719A-3	719B-3	721A-3	721B-3	721C-3	721D-3
ICV INLET	131A	141A	141B	151A	161A	161B	171A	171B	171C	171D
TCV OUTLET	132A	142A	142B	152A	162A	162B	172A	172B	172C	172D
TCV BYPASS	133A	143A	143B	153A	163A	163B	173A	173B	173C	173D
LOWER COIL SUPPLY	134A	144A	144B	154A	164A	164B	174A	174B	174C	174D
LOWER COIL VENT	416-1	417A-1	417B-1	418-1	419A-1	419B-1	421A-1	421B-1	421C-1	421D-1
UPPER COIL SUPPLY	135A	145A	145B	155A	165A	165B	175A	175B	175C	175D
UPPER COIL VENT	416-2	417A-2	417B-2	418-2	419A-2	419B-2	421A-2	421B-2	421C-2	421D-2
LOWER COIL RETURN	136A	146A	146B	156A	166A	166B	176A	176B	176C	176D
LOWER COIL VENT	416-3	417A-3	417B-3	418-3	419A-3	419B-3	421A-3	421B-3	421C-3	421D-3
UPPER COIL RETURN	137A	147A	147B	157A	167A	167B	177A	177B	177C	177D
UPPER COIL VENT	416-4	417A-4	417B-4	418-4	419A-4	419B-4	421A-4	421B-4	421C-4	421D-4
RETURN ISOL	138A	148A	148B	158A	168A	168B	178A	178B	178C	178D
RETURN VENT	416-5	417A-5	417B-5	418-5	419A-5	419B-5	421A-5	421B-5	421C-5	421D-5
VENT BOTTLE ISOL	916	917A	917B	918	919A	919B	921A	921B	921C	921D
SUPPLY DRAIN	716-2	717A-2	717B-2	718-2	719A-2	719B-2	721A-2	721B-2	721C-2	721D-2
RETURN DRAIN	716-2	717A-2	717B-2	718-2	719A-2	719B-2	721A-2	721B-2	721C-2	721D-2
INLET TI	216A1	217A1	217B1	218A1	219A1	219B1	221A1	221B1	221C1	221D1
UPPER RETURN TI	216A2	217A2	217B2	218A2	219A2	219B2	221A2	221B2	221C2	221D2
LOWER RETURN TI	216A3	---	---	---	219A3	219B3	221A3	221B3	---	221D3

SYSTEM INTENDED FUNCTION BOUNDARY

COMPONENTS SUBJECT TO AMR

- SERVICE WATER SYSTEMS AMM-11
- HEATING, VENTILATION AND AIR CONDITIONING SYSTEMS AMM-16

NUCLEAR SAFETY RELATED

JAMES A. FITZPATRICK
NUCLEAR POWER PLANT

FLOW DIAGRAM
REACTOR BUILDING
SERVICE WATER COOLING
SYSTEM 66

SCALE: NONE
DWG NO. FB-10H
REV: 40

REVISIONS

NO.	DATE	DESCRIPTION	BY	CHK	APP
39	7/18/03	AS BUILT PER MD NO. M1-90-077	BHC	JB	---
38	4/11/02	AS BUILT PER DCR-02-046	PJD	JB	---
37	3/3/02	AS BUILT PER DCR-02-022	XHB	JB	---
36	2/4/02	AS BUILT PER DCR-99-092	BHC	KMC	---
35	5/6/99	AS BUILT PER MD NO. JD-99-016	RVB	PJT	---
34	5/22/98	AS BUILT PER DCR-98-163	RVB	JB	---
40	INCORPORATED DRN-05-01401 ER-JAF-05-18225	4/14/05	RVB	SKB	FAN

0 10-21-05

NO.	DATE	DESCRIPTION	BY	CHK	APP
REVISIONS					
LRA-FB-10H-0					

SCALE: NONE
DWG NO. FB-10H
REV: 40

REF: ISI-FB-10H