



- NOTES:**
1. VENT HOLE PROVIDED.
 2. DUKE TO FURNISH 600 LB. ASB FLANGES, FLANGE END ON PIPE CONNECTING TO LRT HEADER LINE TO BE MACHINED TO FIT. LOCATE CONNECTION AS CLOSE AS POSSIBLE TO PRT.
 3. VENTS AND DRAINS NEEDED BY CONSTRUCTION.
 4. PIPE TO TUBE ADAPTER.
 5. SOFT SEATED VALVE.
 6. SAMPLE VESSEL.
 7. BLANK FLANGE TO BE INSTALLED FOR HYDRO PURPOSES.
 8. 1/4 INCH THICK DRIFTE PLATE REQUIRED.
 9. VENT AND DRAIN ASSEMBLIES ARE TO BE FABRICATED AND INSTALLED IN ACCORDANCE WITH MCS-1296-09-02-0002 USING ENGINEERING SPECIFICATION H00-05-1A, 1B, 1C AND 1D.
 10. PIPING HAS BEEN ANALYZED FOR 500 F AND 900 PSIG.

DESIGN PARAMETERS

LINE LISTING	PIPE SPEC.	PRESSURE	TEMPERATURE	CLASS	WATER
044R	PS 150.4	150 PSIG	120 F	B	
NC27	PS 2501.1	2400 PSIG	650 F	A	
NC89	PS 2501.4	50 PSIG	400 F	B	
NC18	PS 2501.2	2400 PSIG	650 F	B	
NC14	PS 501.4	500 PSIG	470 F	B	
NC13	PS 151.2	100 PSIG	350 F	B	
NC16	PS 151.4	100 PSIG	200 F	B	
NC17	PS 151.3	150 PSIG	200 F	B	
NC18	PS 151.4	150 PSIG	200 F	B	
NC19	PS 151.2	150 PSIG	250 F	B	
NC20	PS 151.4	150 PSIG	200 F	B	
NC21	PS 151.4	100 PSIG	200 F	B	
NC22	PS 151.4	150 PSIG	100 F	B	
NC23	PS 151.2	150 PSIG	250 F	B	
NC24	PS 151.4	150 PSIG	200 F	B	
NC25	PS 151.4	100 PSIG	200 F	B	
NC26	PS 151.4	50 PSIG	200 F	B	
NC28	PS 501.4	500 PSIG	200 F	B	
WL81	PS 151.4	100 PSIG	200 F	B	
WL89	PS 151.4	50 PSIG	200 F	B	
WL43	TS 2701.1	100 PSIG	200 F	E	ST

S-S-S
STANDBY SHUTDOWN SYSTEM

NOTE: DRAWING MCFD-2553-02.01 REPLACES PORTIONS OF MC-2553-2.0 REV. 17

OA CONDITION 1 AND 2
DUKE ENERGY
MCGUIRE NUCLEAR STATION UNIT 2
FLOW DIAGRAM OF
REACTOR COOLANT SYSTEM
(NC)

NO.	REVISIONS	DRN	DATE	CHKD	DATE	APPR	DATE	INSPECTED
8	AS-BUILT PER EC97697001/MD201662	DRP	05/30	HKS	05/30	PJR	05/30	-
7	AS-BUILT PER MD200046	RDR	05/18	PSC	05/21	ROM	05/28	-
6	REVISED PER EXEMPT CODE G-7	JRC	05/21	RDR	05/21	ROM	05/21	-
5	AS-BUILT PER M0MM-13590	RDR	05/23	DRP	05/24	ROM	05/24	-
4	AS-BUILT PER M0MM-12175	RDR	05/28	HMP	05/28	ROM	05/28	-

DESIGNER: B.S. HOWELL DATE: 12-17-86
DRAWN: J. WILDMOUTH DATE: 12-18-86
CHECKED: C. BIRNLEY DATE: 12-18-86
SCALE: 1"=10'-0"

INSP. BY: SSKH DATE: 12-18-86
INSP. BY: DLCKS DATE: 12-28-86
APPR. BY: MNLAGE DATE: 01-16-87

DWG. NO. MCFD-2553-02.01

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