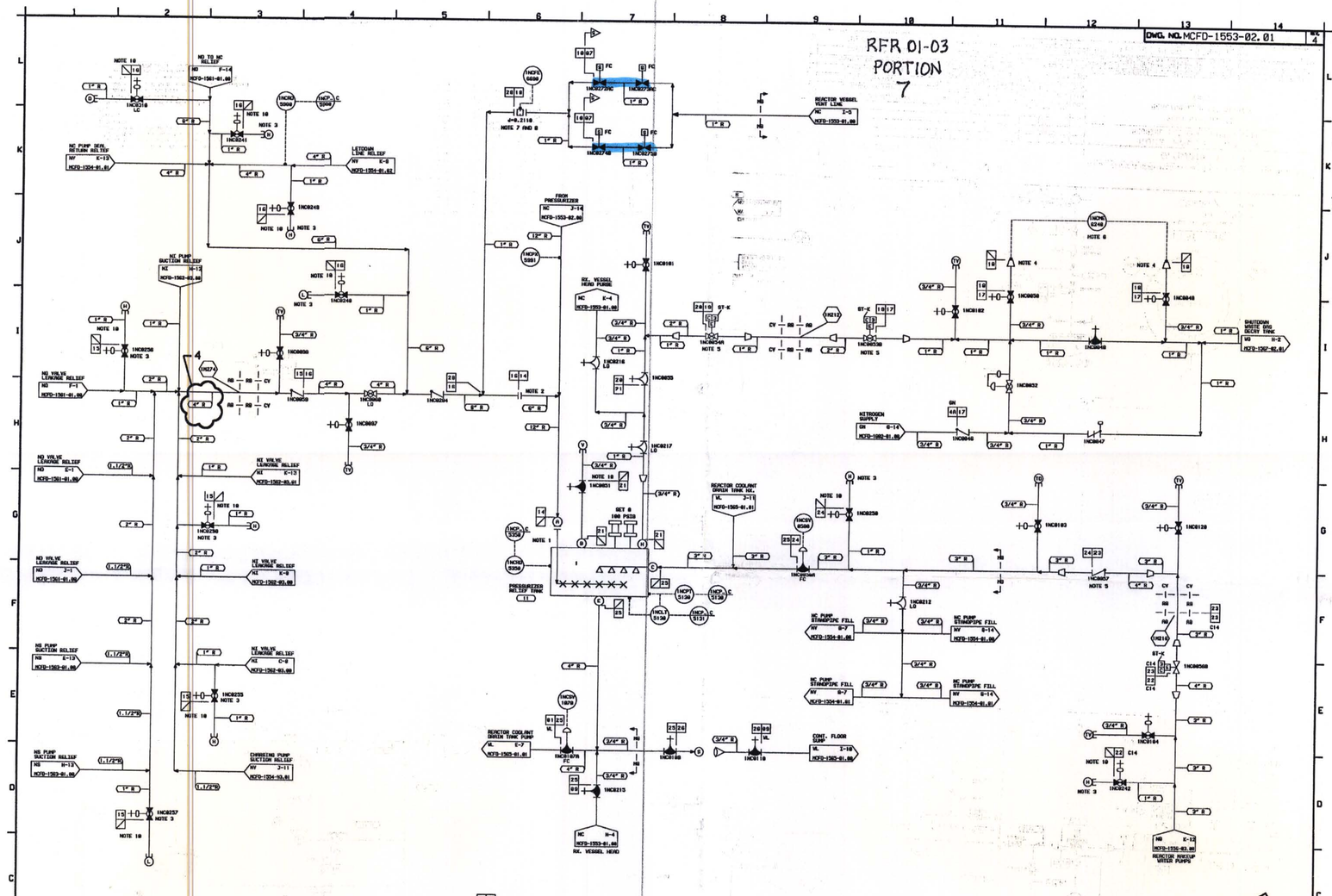
RFR 01-03
PORTION
7

DWG. NO. MCFD-1553-02.01 REV. 4



DESIGN PARAMETERS

LINE LISTING	PIPE SPEC.	PRESSURE	TEMPERATURE	CLASS	MATERIAL
GH48	PS 150.4	150 PSIG	120 F	A	CS
NC87	PS 2501.1	2485 PSIG	650 F	A	SS
NC88	PS 2501.4	50 PSIG	400 F	E	SS
NC10	PS 2501.2	2485 PSIG	650 F	B	SS
NOTE 11 NC14	PS 501.4	500 PSIG	470 F	E	SS
NC15	PS 151.2	100 PSIG	350 F	B	SS
NC16	PS 151.4	100 PSIG	303 F	E	SS
NC17	PS 151.3	150 PSIG	200 F	C	SS
NC18	PS 151.4	150 PSIG	200 F	E	SS
NC19	PS 151.2	150 PSIG	250 F	B	SS
NC20	PS 151.4	150 PSIG	200 F	E	SS
NC21	PS 151.4	100 PSIG	200 F	E	SS
NC22	PS 151.4	150 PSIG	100 F	E	SS
NC23	PS 151.2	150 PSIG	250 F	B	SS
NC24	PS 151.4	150 PSIG	200 F	E	SS
NC25	PS 151.4	100 PSIG	200 F	E	SS
NC26	PS 151.4	50 PSIG	200 F	E	SS
NC28	PS 601.4	650 PSIG	500 F	E	SS
VL81	PS 151.4	100 PSIG	200 F	E	SS
VL83	PS 151.4	50 PSIG	200 F	E	SS

NOTES:
1. VENT HOLE PROVIDED.
2. DUKE TO FURNISH 600 LB. ASA FLANGES. FLANGE END ON PIPE CONNECTING TO PRT HEADER LINE TO BE MACHINED TO FIT. LOCATE CONNECTION AS CLOSE AS POSSIBLE TO PRT.
3. VENTS AND DRAINS ADDED 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 ORIFICE PLATE REQUIRED.
9. THIS DWG. SUPERSEDES FROM MC-1553-2.4, REV. 16.
10. VENT AND DRAIN ASSEMBLIES ARE TO BE FABRICATED AND INSTALLED IN ACCORDANCE WITH MCS-1206.00-02-0002 USING ENGINEERING SPECIFICATION MCS-CS-15, 18, 1C AND 1D.
11. PIPING HAS BEEN ANALYZED FOR 500 F AND 500 PSIG.

ERNEMC0093D11

S-S-S
STANDBY SHUTDOWN SYSTEM

NOTE: DRAWING MCFD-1553-02.01 REPLACES MC-1553-2.1 REV. 1

OA CONDITION 1 AND 2

DUKE POWER COMPANY
MCGUIRE NUCLEAR STATION UNIT 1

FLOW DIAGRAM OF
REACTOR COOLANT SYSTEM
(NC)

NO.	REVISIONS	DRN	DATE	CHKD	DATE	APPR	DATE	CHK	ELEC	MECH
4	AS-BUILT PER MD44-13065	PSC	8/13/14	JRC	8/13/14	RDH	8/13/14	LSM	BRT	BSM
3	AS-BUILT PER MD44-11568	JRC	4/28	DHM	4/28	RDH	4/28/01	LSM	MWD	BSM
2	AS-BUILT PER MD44-11375	RDH	1/24/01	EXC	1/25	JJH	1/25/01	MVD	CWM	JWD
1	AS-BUILT PER MD44-9016	RDH	9/01	DHM	9/01	HHH	9/01	ARS	MWD	BSM
0	ISSUED PER SPR #4486									

INSPECTED

DESIGNER: RE TOMASI DATE 12-17-96
Steven J. WHITWORTH DATE 12-13-96
CHECKED J. BRINKLEY DATE 12-13-96

INDP. RE BURNS DATE 12-17-96
INDP. WL BICKS DATE 12-26-96
APPR. WL WALKER DATE 01-16-97

SCALE DWG. NO. MCFD-1553-02.01 REV. 4

RFR01-03

Attachment

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