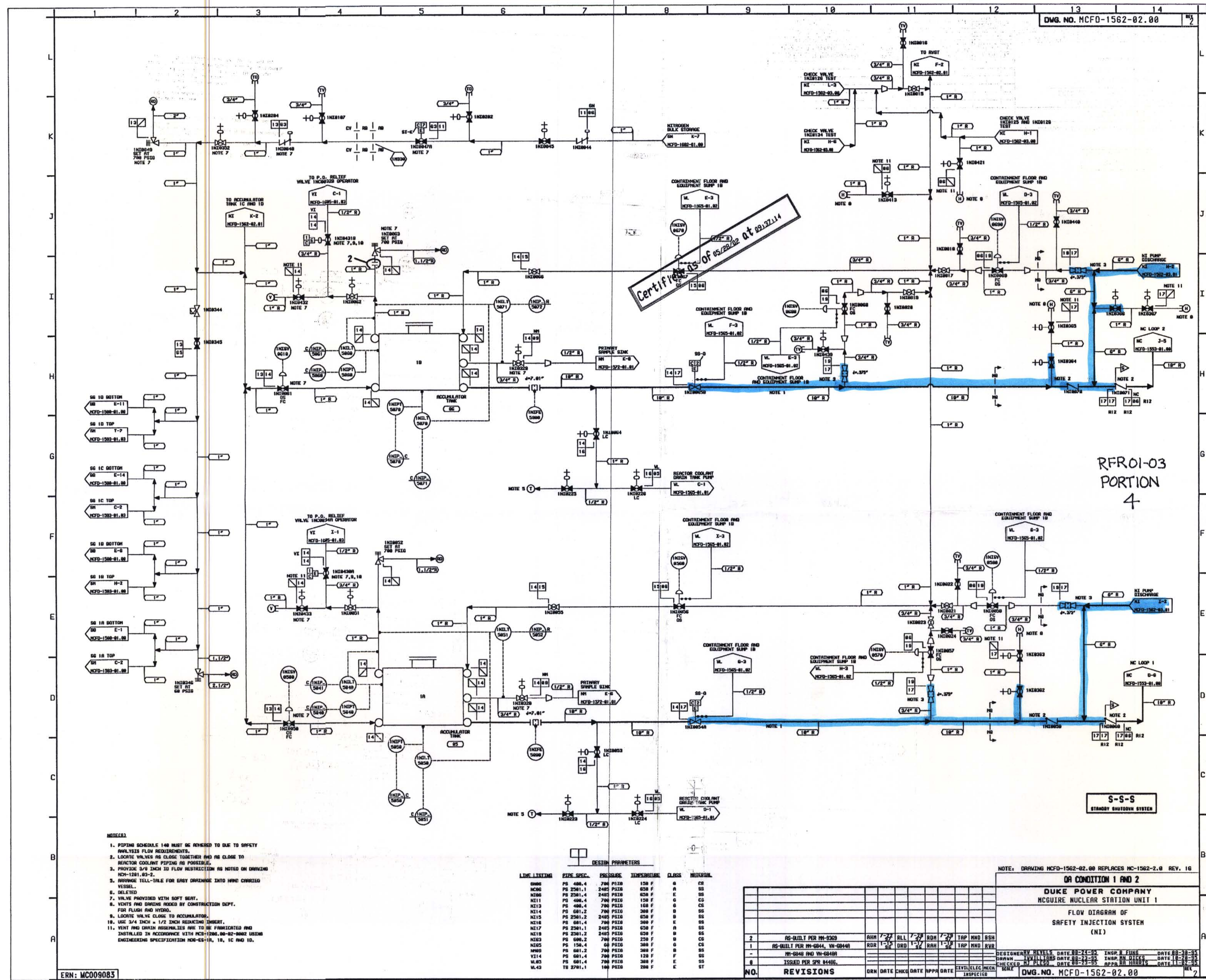


RFR01-03

Attachment

Page 4 of 12



Certified as of 05/28/02 at 0032114

RFR01-03
PORTION
4

S-S-S
STANDBY SHUTDOWN SYSTEM

- NOTES:
1. PIPING SCHEDULE 148 MUST BE REFERRED TO DUE TO SAFETY ANALYSIS FLOW REQUIREMENTS.
 2. LOCATE VALVES AS CLOSE TOGETHER AND AS CLOSE TO REACTOR COOLANT PIPING AS POSSIBLE.
 3. PROVIDE 3/4 INCH ID FLOW RESTRICTION AS NOTED ON DRAWING MCH-1281-02-2.
 4. ARRANGE TELL-TALE FOR EASY DRAINAGE INTO HIND CORRIDOR VESSEL.
 5. DELETED
 6. VALVE PROVIDED WITH SOFT SEAT.
 7. LOCATE VALVE AS CLOSE TOGETHER AND AS CLOSE TO REACTOR COOLANT PIPING AS POSSIBLE.
 8. LOCATE VALVE AS CLOSE TO REACTOR COOLANT PIPING AS POSSIBLE.
 9. LOCATE VALVE AS CLOSE TO REACTOR COOLANT PIPING AS POSSIBLE.
 10. USE 3/4 INCH x 1/2 INCH RESTRICTION INSERT.
 11. VENT AND DRAIN ASSEMBLIES ARE TO BE FABRICATED AND INSTALLED IN ACCORDANCE WITH MCH-1281-02-2, 18, 1C AND 1D.

LINE LISTING

LINE	PIPE SPEC.	PRESSURE	TEMPERATURE	CLASS	MATERIAL
0000	PS 406.4	700 PSIG	150 F	A	CS
0006	PS 2501.1	2405 PSIG	620 F	A	SS
0006	PS 2501.4	2405 PSIG	620 F	E	SS
0011	PS 406.4	700 PSIG	150 F	G	CS
0013	PS 406.4	700 PSIG	150 F	G	CS
0014	PS 081.2	700 PSIG	300 F	D	SS
0015	PS 2501.2	2405 PSIG	620 F	D	SS
0016	PS 081.4	700 PSIG	300 F	E	SS
0017	PS 2501.1	2405 PSIG	620 F	A	SS
0018	PS 2501.2	2405 PSIG	620 F	A	SS
0019	PS 081.2	700 PSIG	300 F	B	SS
0020	PS 150.4	60 PSIG	300 F	G	CS
0021	PS 081.2	700 PSIG	300 F	B	SS
0022	PS 081.4	700 PSIG	300 F	F	SS
0023	PS 081.4	700 PSIG	300 F	E	SS
0024	PS 2501.1	2405 PSIG	620 F	E	SS

REVISIONS

NO.	REVISIONS	DRN	DATE	CHKD	DATE	APPR	DATE
2	AS-BUILT PER MCH-0203	ARM	7-22	ALL	7-22	ARM	TAP MND BSH
1	AS-BUILT PER MCH-0244	ADR	1-12	ADR	1-12	ADR	TAP MND BSH
-	MCH-0248 AND MCH-0249						
0	ISSUED PER SPN 04400						

NOTE: DRAWING MCFD-1562-02.00 REPLACES MCH-1562-2.0 REV. 10

OR CONDITION 1 AND 2

DUKE POWER COMPANY
MCGUIRE NUCLEAR STATION UNIT 1

FLOW DIAGRAM OF
SAFETY INJECTION SYSTEM
(NI)

DESIGNED BY DATE: 01-22-85 INSP. ENGINEER DATE: 02-20-85
DRAWN: TAP MND BSH DATE: 01-22-85
CHECKED BY: PLESD DATE: 02-23-85 APPR. DATE: 03-11-85

DWG. NO. MCFD-1562-02.00

Handwritten signature or initials.