



- NOTES:
1. RELAY VALVES IN FIELD TO LIMIT PUMP RUNOUT. TRIP LOCAL.
  2. FLOW METERING ORIFICE TO VERIFY FLOW DURING PROBABILISTIC TESTING.
  3. TEMPORARY STOPPAGE IS PLACED IN SPECIAL PIPING DURING INITIAL PLANNING OPERATIONS. STOPPAGE MUST BE REMOVED BEFORE PLANT STARTUP. STOPPAGE AND SPECIAL PIPING SUPPLIED BY OWNER.
  4. 24" I.D. FLOW RESTRICTION REQUIRED.
  5. VALVE SUPPLIED WITH WEST GUY. SEE ALSO DRAWING MC-252-1.1 FOR MC-252-1 FOR COOLING WATER CONNECTION TO SAFETY SHUT PIPING.
  6. ADDRESS TELETYPE FOR UNIT CHANGEOVER DATA HUNG OBTAINED.
  7. CUMP VIEW SEE TRIP CIP 13 1" ABOVE REFLATE AND DUMP ORIFICE THIS INDICATE.
  8. MINIFLOW ORIFICE SUPPLIED BY PUMP MANUFACTURER.

11. WHEN PUMPING WATER AND DRAINING AHEAD FOR FLOW AND HYDRO BY CONTROLLER.
12. FOR AN URGENT MODE CHANGE VALVE CHANGES FROM 15 SEC. TO 10 SEC. CHANGES FROM 10 SEC. TO 5 SEC.

DESIGN PROPERTIES

NO.	PRESSURE	TEMPERATURE	CLASS	MATERIAL
05	2400 PSIB	450°F	G	304
06	2400 PSIB	500°F	G	304
07	2400 PSIB	500°F	G	304
08	2400 PSIB	180°F	G	304
09	2400 PSIB	180°F	G	304
10	2400 PSIB	180°F	G	304
11	2400 PSIB	180°F	G	304
12	2400 PSIB	180°F	G	304
13	2400 PSIB	180°F	G	304
14	2400 PSIB	180°F	G	304
15	2400 PSIB	180°F	G	304
16	2400 PSIB	180°F	G	304
17	2400 PSIB	180°F	G	304
18	2400 PSIB	180°F	G	304
19	2400 PSIB	180°F	G	304
20	2400 PSIB	180°F	G	304
21	2400 PSIB	180°F	G	304
22	2400 PSIB	180°F	G	304
23	2400 PSIB	180°F	G	304
24	2400 PSIB	180°F	G	304
25	2400 PSIB	180°F	G	304
26	2400 PSIB	180°F	G	304
27	2400 PSIB	180°F	G	304
28	2400 PSIB	180°F	G	304
29	2400 PSIB	180°F	G	304
30	2400 PSIB	180°F	G	304
31	2400 PSIB	180°F	G	304
32	2400 PSIB	180°F	G	304
33	2400 PSIB	180°F	G	304
34	2400 PSIB	180°F	G	304
35	2400 PSIB	180°F	G	304
36	2400 PSIB	180°F	G	304
37	2400 PSIB	180°F	G	304
38	2400 PSIB	180°F	G	304

REVISIONS

NO.	REVISIONS	CHG.	APP.	DATE	INSTRUMENT
1	REV. PER C.O. 42542-1.01	REV	DLA	7/27	SEE
2	REV. PER C.O. 42542-1.02	REV	DLA	7/27	SEE
3	REV. PER C.O. 42542-1.03	REV	DLA	7/27	SEE
4	REV. PER C.O. 42542-1.04	REV	DLA	7/27	SEE
5	REV. PER C.O. 42542-1.05	REV	DLA	7/27	SEE
6	REV. PER C.O. 42542-1.06	REV	DLA	7/27	SEE
7	REV. PER C.O. 42542-1.07	REV	DLA	7/27	SEE
8	REV. PER C.O. 42542-1.08	REV	DLA	7/27	SEE
9	REV. PER C.O. 42542-1.09	REV	DLA	7/27	SEE
10	REV. PER C.O. 42542-1.10	REV	DLA	7/27	SEE
11	REV. PER C.O. 42542-1.11	REV	DLA	7/27	SEE
12	REV. PER C.O. 42542-1.12	REV	DLA	7/27	SEE
13	REV. PER C.O. 42542-1.13	REV	DLA	7/27	SEE
14	REV. PER C.O. 42542-1.14	REV	DLA	7/27	SEE
15	REV. PER C.O. 42542-1.15	REV	DLA	7/27	SEE
16	REV. PER C.O. 42542-1.16	REV	DLA	7/27	SEE
17	REV. PER C.O. 42542-1.17	REV	DLA	7/27	SEE
18	REV. PER C.O. 42542-1.18	REV	DLA	7/27	SEE
19	REV. PER C.O. 42542-1.19	REV	DLA	7/27	SEE
20	REV. PER C.O. 42542-1.20	REV	DLA	7/27	SEE
21	REV. PER C.O. 42542-1.21	REV	DLA	7/27	SEE
22	REV. PER C.O. 42542-1.22	REV	DLA	7/27	SEE
23	REV. PER C.O. 42542-1.23	REV	DLA	7/27	SEE
24	REV. PER C.O. 42542-1.24	REV	DLA	7/27	SEE
25	REV. PER C.O. 42542-1.25	REV	DLA	7/27	SEE
26	REV. PER C.O. 42542-1.26	REV	DLA	7/27	SEE
27	REV. PER C.O. 42542-1.27	REV	DLA	7/27	SEE
28	REV. PER C.O. 42542-1.28	REV	DLA	7/27	SEE
29	REV. PER C.O. 42542-1.29	REV	DLA	7/27	SEE
30	REV. PER C.O. 42542-1.30	REV	DLA	7/27	SEE
31	REV. PER C.O. 42542-1.31	REV	DLA	7/27	SEE
32	REV. PER C.O. 42542-1.32	REV	DLA	7/27	SEE
33	REV. PER C.O. 42542-1.33	REV	DLA	7/27	SEE
34	REV. PER C.O. 42542-1.34	REV	DLA	7/27	SEE
35	REV. PER C.O. 42542-1.35	REV	DLA	7/27	SEE
36	REV. PER C.O. 42542-1.36	REV	DLA	7/27	SEE
37	REV. PER C.O. 42542-1.37	REV	DLA	7/27	SEE
38	REV. PER C.O. 42542-1.38	REV	DLA	7/27	SEE
39	REV. PER C.O. 42542-1.39	REV	DLA	7/27	SEE
40	REV. PER C.O. 42542-1.40	REV	DLA	7/27	SEE
41	REV. PER C.O. 42542-1.41	REV	DLA	7/27	SEE
42	REV. PER C.O. 42542-1.42	REV	DLA	7/27	SEE
43	REV. PER C.O. 42542-1.43	REV	DLA	7/27	SEE
44	REV. PER C.O. 42542-1.44	REV	DLA	7/27	SEE
45	REV. PER C.O. 42542-1.45	REV	DLA	7/27	SEE
46	REV. PER C.O. 42542-1.46	REV	DLA	7/27	SEE
47	REV. PER C.O. 42542-1.47	REV	DLA	7/27	SEE
48	REV. PER C.O. 42542-1.48	REV	DLA	7/27	SEE
49	REV. PER C.O. 42542-1.49	REV	DLA	7/27	SEE
50	REV. PER C.O. 42542-1.50	REV	DLA	7/27	SEE

Q.A. CONDITION 2

Q.A. CONDITION 1

DUKE POWER COMPANY  
NUCLEAR REACTOR SYSTEM UNIT 2  
FLOW DIAGRAM OF  
SAFETY INJECTION SYSTEM  
(END)

APPROVED & RELEASED: DATE: 7/27/77  
DRAWN BY: DATE: 7/27/77  
CHECKED BY: DATE: 7/27/77  
DESIGNED BY: DATE: 7/27/77  
REVISIONS: DATE: 7/27/77

DWG. NO. MC-252-3.0

13 Q-11 14

FOR INFORMATION ONLY

SI APERTURE CARD

8903220295

PDR RIDS

