



- 1.) FOR CORE SPRAY LOOP 11:
 MANUAL OPERATION (SYSTEM TEST) INTERLOCKS REQUIRE THAT:
 IV (48-12 & 48-06) MUST BE CLOSED BEFORE IV (48-06) CAN BE OPENED.
 MANUAL OPERATION (VALVE TEST) INTERLOCKS REQUIRE THAT:
 IV (48-06, 48-18 & 48-11) MUST BE CLOSED BEFORE IV (48-12) CAN BE OPENED.
- 2.) FOR CORE SPRAY LOOP 12:
 MANUAL OPERATION (SYSTEM TEST) INTERLOCKS REQUIRE THAT:
 IV (48-02, 48-09 & 48-01) MUST BE CLOSED BEFORE IV (48-05) CAN BE OPENED.
 MANUAL OPERATION (VALVE TEST) INTERLOCKS REQUIRE THAT:
 IV (48-02 & 48-05) MUST BE CLOSED BEFORE IV (48-09) & 48-01) CAN BE OPENED.
 IV (48-05, 48-09 & 48-01) MUST BE CLOSED BEFORE IV (48-02) CAN BE OPENED.
- 7.) VALVES 48-02 AND 48-12 ARE LOCKED OPEN VIA VALVE MOTOR STARTER CIRCUIT BREAKERS.
- 8.) FOR ROOT VALVE SCHEDULE SEE DRAWING F-45136-C (S28).
- 9.) FOR INSTRUMENT DIAGRAM SEE DRAWING B-69807-C SH.1-4 AND A-69807-C SH.5 & 6.
- 10.) (B1-134) - INDICATES MATERIAL IS 3" STAINLESS STEEL, ASME SA312, TYPE 304L, SCHED. 40
- 11.) BASKETS REMOVED PER MOD. NI-96-005.
- 12.) VALVES 48-38 AND 48-31 ARE LOCKED CLOSED VIA VALVE MOTOR STARTER CIRCUIT BREAKERS.

INITIATION OF CORE SPRAY FROM REACTOR PROTECTION SYSTEM	
CONDITION	ACTUATES
LOW LOW VESSEL LEVEL (36-04) OR HI HI DRYWELL PRESSURE (201.2-476)	TWO SETS OF CORE SPRAY & TOPPING PUMPS SEQUENTIALLY IN EACH LOOP ALSO CLOSES TEST VALVES IV (40-05 & 40-06) IF OPEN FOR TEST THIS PERMITTING IV (40-02 & 40-12) TO BE OPENED.
EITHER LOW-LOW VESSEL LEVEL (36-04) AND LOW VESSEL PRESSURE (36-08 AT 365 PSIG) OR HI-HI DRYWELL PRESSURE (201.2-476) AND LOW VESSEL PRESSURE (36-08 AT 365 PSIG)	OPENS IV (40-01, 09, 10 & 11)

LR NOTE:
 PLEASE REFER TO DRAWING LR-18000-C SHEETS 1 AND 2 FOR LR BOUNDARY DRAWING NOTES, SYMBOLS, AND ACRONYMS.

NOTE: THIS DRAWING WAS CREATED USING COMPUTER AIDED DRAFTING DO NOT MAKE MANUAL CHANGES

CONSTITUTION ENERGY GROUP		NINE MILE POINT NUCLEAR STATION UNIT NO. 1	
REACTOR CORE SPRAY P & I DIAGRAM			
APP. J.L.M.	APP. H.D.P.	DATE 2-28-66	
DES. J.D.	DR. A.W.C.		
SCALE NONE	DWG NO LR-18007-C	INDEX 3-N2.1-S14	REV 1 0

DO13