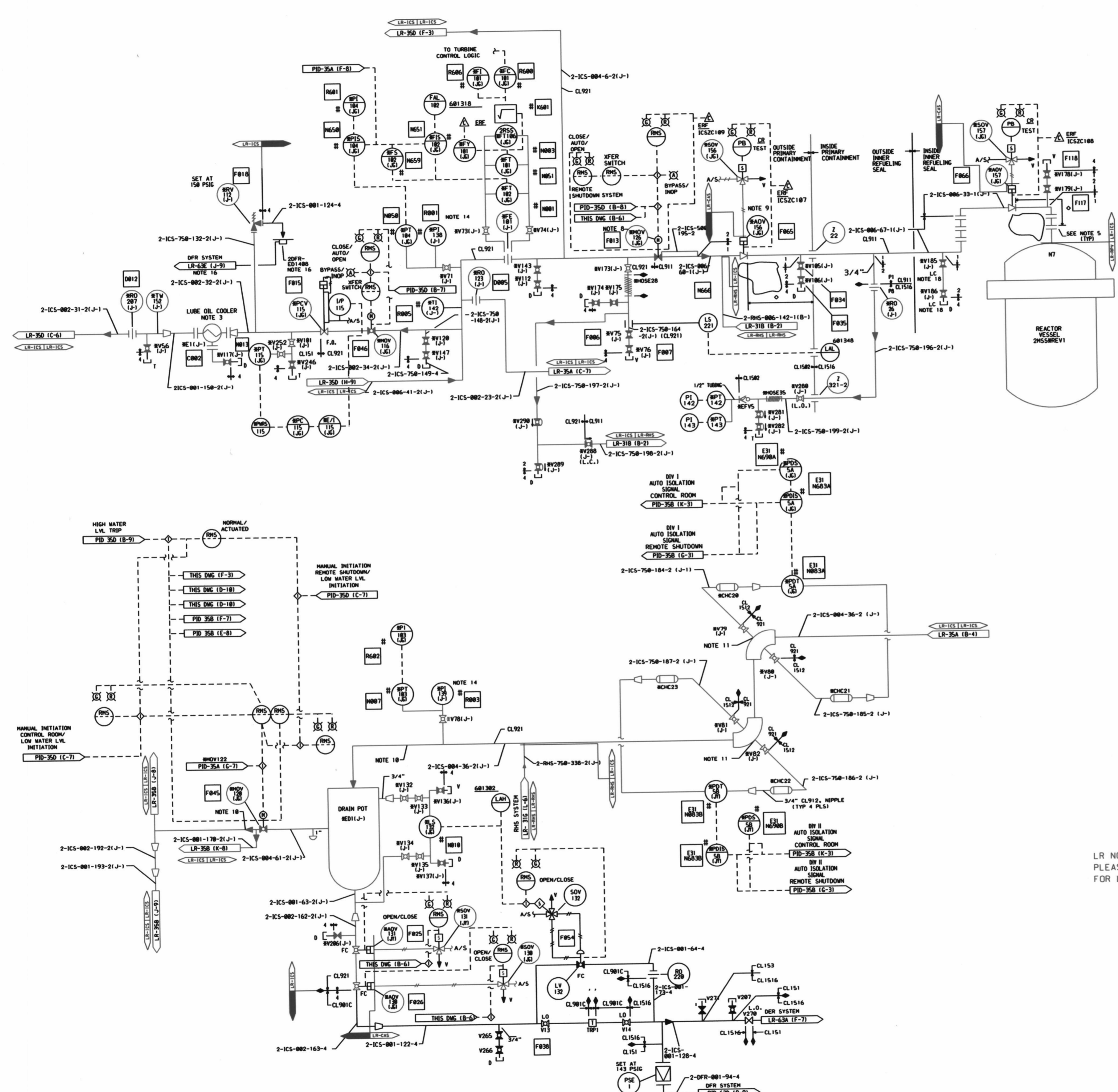


D148

0-35C-87

MARK NUMBER	VALVE DESCRIPTION	SIZE	NO. OF VALVES
ADV156, 157	VCM99B-E-1M0	6"	2
LV132	VCM99B-H-03	1"	1
RV116	VOS15B-F-20	2"	1
MOV120	BY VENDOR	6"	1
MOV126	VCM99B-F-120	6"	1
LV134	VOS15B-H-4	1"	2
V71, 73, 74, 75, 76, 78, 79, 80, 81, 82, 112, 108, 136, 1143, 147, 173, 1174, 175	VOS15B-F-2	3/4"	18
V56, 101, 117, 246, 253	VOS96B-D-2	3/4"	5
V18, 106, 178, 179, 1185, 186	VOS15B-F-1	3/4"	6
V132, 133, 134, 135, V137	VOS15B-F-2	1"	5
V139	VOS15B-B-4	3/4"	1
V285	VOS96B-C-2	3/4"	1
V287	VOS96B-D-4	3/4"	1
V265, 266	VOS15B-B-4	3/4"	2
V278	VOS96B-C-4	1"	1
V271	VOS96B-D-4	1"	1
V280	VOS15B-M-2	3/4"	1
V281, V282	VSS15B-A-2	3/4"	2
V283, V289, V290	NONE	3/4"	3



- NOTES:
1. ALL INSTRUMENT AND EQUIPMENT NUMBERS TO BE PREFIXED WITH "2IC5-" EXCEPT WHERE A DIFFERENT PREFIX IS SHOWN. AN ASTERISK (*) WILL REPLACE THE DASH (-) IN THE PREFIX FOR EQUIPMENT OR INSTRUMENTS WHICH ARE A PART OF THE NUCLEAR SAFETY FEATURES SYSTEM.
 2. GENERAL ELECTRIC IDENTIFICATION NUMBERS SHOWN IN SQUARES. (TO BE PREFIXED BY E31 UNLESS OTHERWISE PREFIXED).
 3. THIS EQUIPMENT IS SUPPLIED AS PART OF GE MPL E51-CM02.
 4. LINES ONE INCH AND SMALLER WHICH ARE PART OF THE REACTOR COOLANT PRESSURE BOUNDARY SHALL BE SAFETY CLASS 2.
 5. PIPING CONNECTED TO VESSEL HEAD SHALL BE FLANGED TO FACILITATE VESSEL HEAD REMOVAL.
 6. ALL LOCAL PRESS AND TEST CONN., VENTS, DRAINS, AND FLOW TAPS ARE 3/4" - LEVEL SWITCH DOWN ARE 1" INCH. AND TEMPERATURE CONNECTIONS ARE 1-1/4" SOCKETS UNLESS OTHERWISE NOTED.
 7. O - INDICATES TO LOCATE AS CLOSE AS POSSIBLE FOR INSTALLATION.
 8. MOV126 IS LOCATED AS CLOSE AS POSSIBLE TO THE CONTAINMENT AND ON THE HIGH POINT IN THE PIPING.
 9. ADV156 IS LOCATED AS HIGH ON THE CONTAINMENT AS POSSIBLE.
 10. RCIC (1CS) STEAM LINE REQUIRES DOWN SLOPING OF AT LEAST 1/8" PER FOOT OF HORIZONTAL PIPE RUNS TO DRAIN POTS, RED1 FROM REACTOR AND FROM RED1 TO RCIC TURB.
 11. ELBOW TAP SHALL BE LOCATED IN HORIZONTAL RUN OF PIPE.
 12. ALL INSTRUMENT LINES INSIDE THE PRIMARY CONTAINMENT ARE TO BE 3/4" CLASS 1500 UNLESS OTHERWISE NOTED.
 13. VALVE POSITIONS ARE SHOWN FOR NORMAL OPERATION OF THE PLANT. THE SYSTEM IS ON STANDBY, READY TO START ON REACTOR WATER LOW LEVEL.
 14. THIS INSTRUMENT REQUIRES SEISMIC QUALIFICATION AND MAY BE PURCHASED, INSTALLED, TESTED AND CALIBRATED TO QUALITY ASSURANCE CATEGORY II REQUIREMENTS.
 15. *S INDICATES EQUIPMENT SUPPLIED BY GE-MED.
 16. NO FLAG SHOWN ON CORRESPONDING DOCUMENT. COORDINATES PROVIDE INTERFACE LOCATION.
 17. AN ENCLOSURE SHALL BE PROVIDED ON 20FR-ED1-008 TO PREVENT ESCAPE OF STEAM TO THE REACTOR BUILDING.
 18. BREAK AWAY LOCKS ARE USED ON THESE VALVES AND NOT HARD CORE LOCKS.

LR NOTE:
PLEASE REFER TO DRAWING LR-000 SHEETS 2A THROUGH 2F FOR LR BOUNDARY DRAWING NOTES, SYMBOLS, AND ACRONYMS.

THIS DRAWING WAS PRODUCED ELECTRONICALLY. IT DOES NOT HAVE ANY CHANGES MANUALLY.

SAFETY RELATED
QUALITY RELATED
NON-SAFETY RELATED
(REF. SAR FIG.5.4-9c & ISPT-35C)

Constellation Energy Group NINE MILE POINT NUCLEAR STATION UNIT 2 - SCRIBA, N.Y.

PIPING & INSTRUMENTATION DIAGRAM
REACTOR CORE ISOLATION COOLING

NO.	REV.	DATE	DESCRIPTION OF REVISION	M.O.	DFT	DES	CHWD	ENG	ELEC	MECH	STR	NO.	REV.	DATE	DESCRIPTION OF REVISION	M.O.	DFT	DES	CHWD	ENG	ELEC	MECH	STR

SCALE: NONE DRAWING NO: LR-35C-0

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