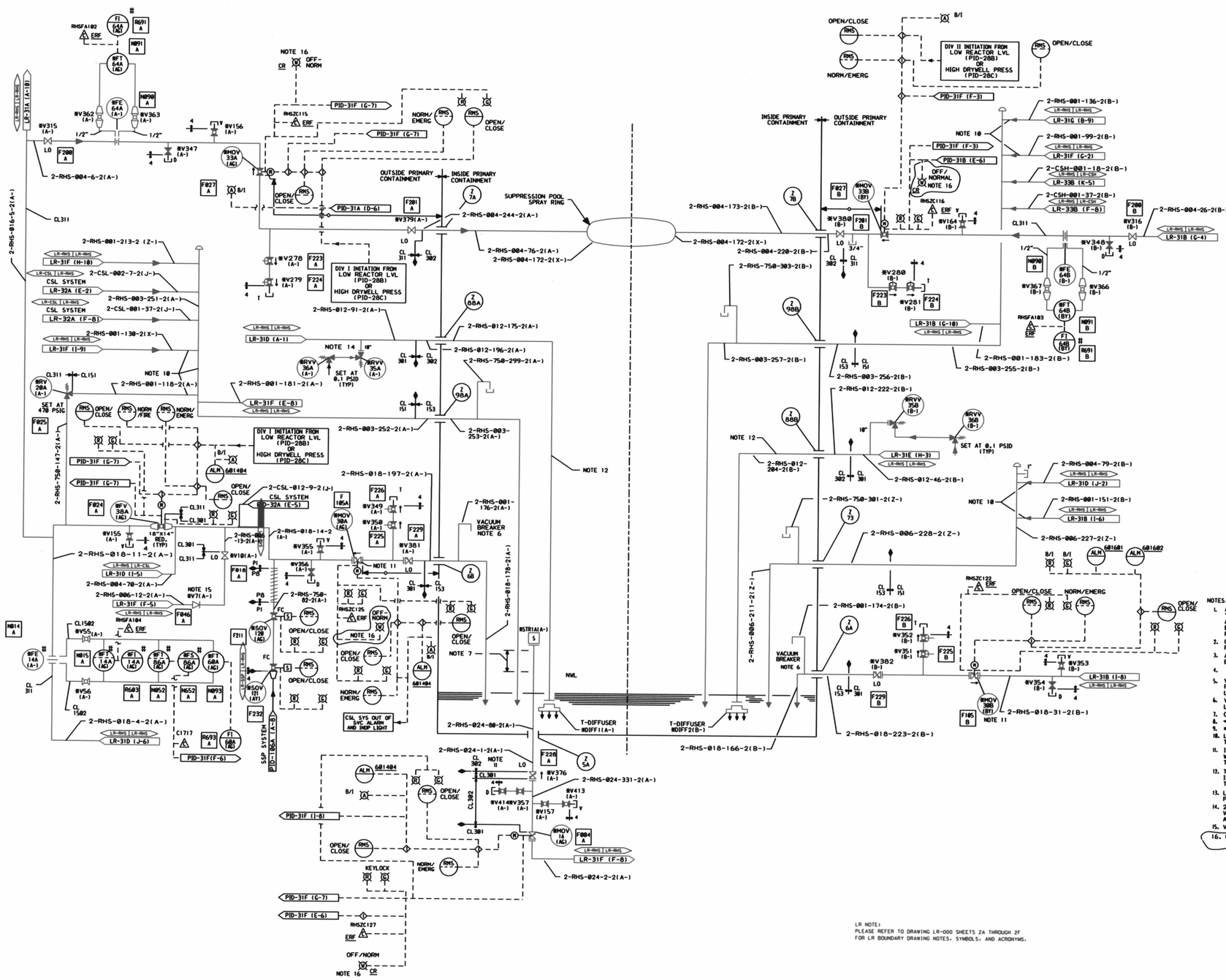

MARK NUMBER	VALVE DESCRIPTION	SIZE	NO. OF VALVES
MOV1A	VVM000-B-2ZQ	24"	1
MOV38A,B	VVI000-C-2RQ	18"	2
MOV33A	VGW038-D-2-KQ	4"	1
MOV33B	VGW038-D-2KEQ	4"	1
SOV 120, 121	VOS150-FD-2Q	3/4"	2
RVV35A,B,36A,B	VCW030-Z-2K	18"	4
V7	VCW030-B-2K	6"	1
V10	VGW030-G-2K	6"	1
V55,56,155,156 V164,253 V355,362,363, V366,367	VOS060-D-2	3/4"	11
V278,279,280 V281	VSS150-B-2	3/4"	4
V315,316	VGW030-G-2K	4"	2
V347,348,354, V356	VGS060-C-2	3/4"	4
V351,352,349,350	VSS060-D-2	3/4"	4
V157,257	VOS060-C-2	3/4"	2
V376	VVM000-B-22EQ	24"	1
V379,380	VGW030-G-2KQ	4"	2
V381,382	VVM000-G-2Q	18"	2
V413,414	VOS150-W-2	3/4"	2

NOTES:

1. ALL INSTRUMENT AND EQUIPMENT NUMBERS TO BE PREFIXED WITH "2RHS" EXCEPT WHERE A DIFFERENT PREFIX IS SHOWN. AN ASTERISK (*) WILL REPLACE THE DASH (-) IN THE PREFIX FOR EQUIPMENT OR INSTRUMENTS WHICH ARE PART OF NUCLEAR SAFETY FEATURES SYSTEM.
2. GE IDENTIFICATION NUMBERS ARE SHOWN IN SQUARES (TO BE PREFIXED BY E12 UNLESS OTHERWISE PREFIXED.)
3. ALL INSTRUMENT,TEST,DRAIN AND VENT CONNECTIONS ARE 3/4" EXCEPT AS NOTED.
4. —◆— INDICATES DISSIMILAR METAL WELD.
5. VALVE POSITIONS ARE SHOWN FOR NORMAL OPERATION OF THE PLANT. THE SYSTEM IS ON STANDBY, READY TO START RHS LPCI MODE OF OPERATION.
6. VACUUM BREAKER LOCATED ABOVE MAXIMUM WATER LEVEL ELEVATION.
7. CLASS 302 SCH80 STAINLESS STEEL SPOOL PIECE.
8. ◄—O—► INDICATES MINIMUM DISTANCE FOR INSTALLATION.
9. * INDICATES EQUIPMENT SUPPLIED BY GE-NED.
10. LINES FROM RELIEF VALVES TO SLOPE DOWNWARDS CONTINUOUSLY TO SUPPRESSION POOL 1/4" PER FOOT MINIMUM.
11. INSTALLATION OF 2RHS*RV376 AND 2RHS*MOV38A AND B IN ACCORDANCE WITH BRIDGE WALL MARKINGS WILL PROVIDE LEAK TIGHTNESS ON THE FLANGED SIDE OF THE VALVES FOR TYPE C TESTING.
12. THE PIPING ASSEMBLY FROM THE PENETRATION TO THE T-DIFFUSER IS 12.75" OD X 1" WALL SA312 TP304 PIPING AND SUPPLIED BY THE T-DIFFUSER VENDOR UNDER NMP2-P801G.
13. LINES 1" AND SMALLER WHICH ARE PART OF THE REACTOR COOLANT PRESSURE BOUNDARY SHALL BE SAFETY CLASS 2.
14. 2RHS*RVV35A AND 2RHS*RVV36A SUPPLIED AS ONE UNIT FROM VENDOR. INTERCONNECTING PIPING SUPPLIED AS PART OF THIS ASSEMBLY BY VENDOR.
15. VALVE INTERNALS ARE REMOVED.
16. OFF-NORMAL STATUS DISPLAY SYSTEM IS ABANDONED IN PLACE.

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. DO NOT MAKE ANY CHANGES MANUALLY.

SAFETY RELATED
QUALITY RELATED
(REF. SAR FIG. 5.4-13c & ISPT-31C)

Constellation Energy Group

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

PIPING & INSTRUMENTATION DIAGRAM
RESIDUAL HEAT REMOVAL

SCALE NONE | DRAWING NO LR-31C-0

NF	REV	DATE	DESCRIPTION OF REVISION	M.O.	DFT	DES	CHKD	ENG	ELEC	MECH	STR

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