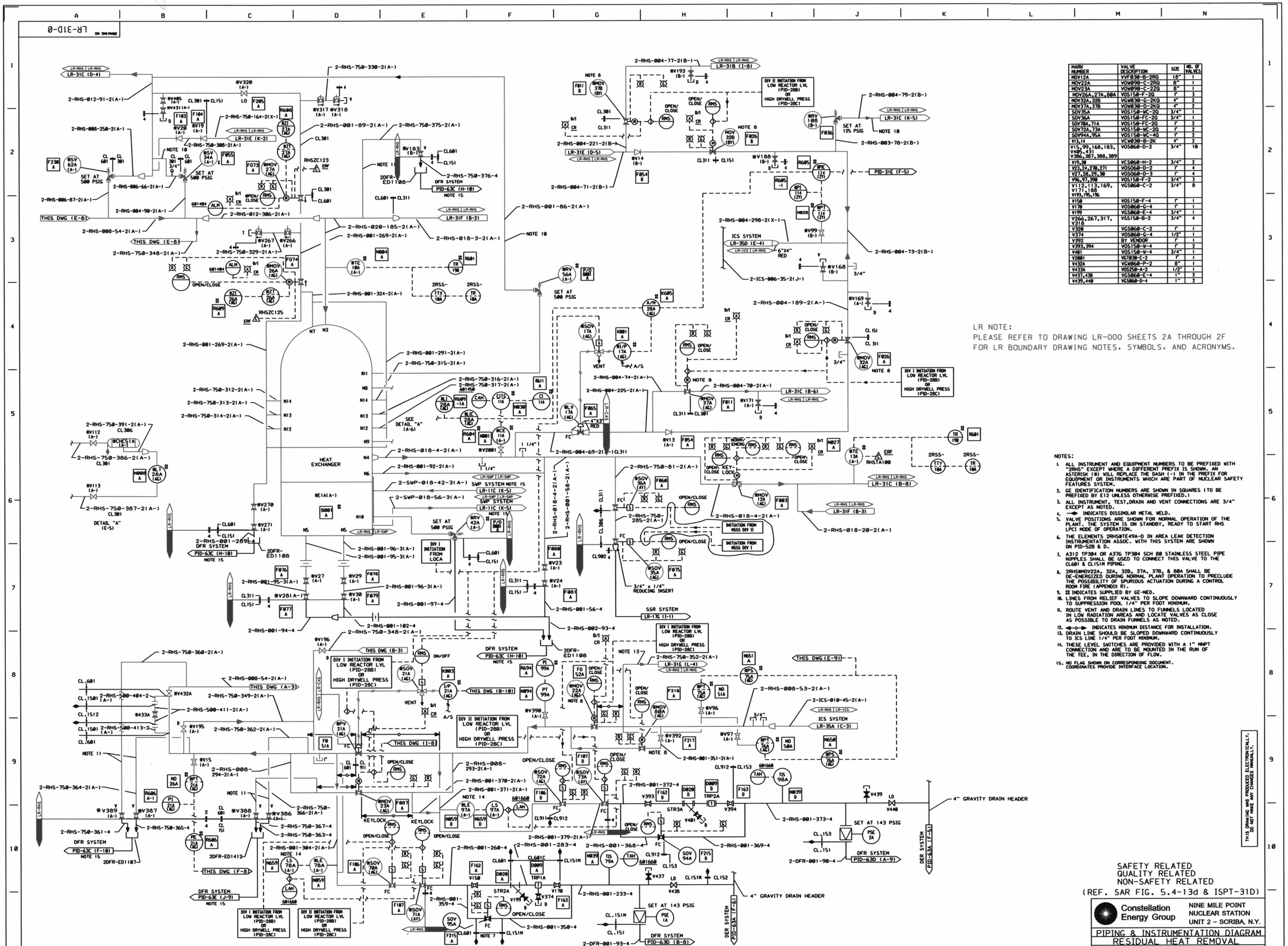

MARK NUMBER	VALVE DESCRIPTION	SIZE	NO. OF VALVES
MOV12A	VVF030-B-2RQ	18"	1
MOV22A	VOW090-C-2RQ	8"	1
MOV23A	VOW090-C-2ZQ	8"	1
MOV26A,27A,80A	VO5150-F-2Q	1"	3
MOV32A,32B	VGW030-G-2KQ	4"	2
MOV37A,37B	VOW030-D-2KQ	4"	2
SOV35A	VO5150-MC-2Q	3/4"	1
SOV36A	VO5150-FC-2Q	3/4"	1
SOV70A,71A	VO5150-FC-2Q	1"	2
SOV72A,73A	VO5150-MC-2Q	1"	2
SOV94A,95A	VO5150-MC-4Q	1"	2
V13,14	VCW030-B-2K	4"	2
V15,99,168,183, V405,431 V386,387,388,389	VO5060-D-2	3/4"	10
V19,20	VC5060-H-2	3/4"	2
V23,24,270,271	VO5060-D-2	1"	4
V27,28,29,30	VO5060-D-3	1"	4
V96,97,398	VO5150-F-2	3/4"	3
V112,113,169, V171,186 V193,195,196	VG5060-C-2	3/4"	8
V150	VO5150-F-4	1"	1
V170	VO5060-C-4	1"	1
V199	VG5060-E-4	3/4"	1
V266,267,317, V318	VS5150-B-2	3/4"	4
V320	VG5060-C-2	1"	1
V374	VO5060-G-4	1/2"	1
V392	BY VENDOR	1"	1
V393,394	VO5150-W-4	1"	2
V401	VO5150-W-4	3/4"	1
V2001	VG1030-C-2	1"	1
V432A	VGW060-P-2	6"	1
V433A	VO5250-A-2	1/2"	1
V437,438	VG5060-E-4	1"	2
V439,440	VG5060-D-4	1"	2

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

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. THE ELEMENTS 2RHSRTE49A-D IN AREA LEAK DETECTION INSTRUMENTATION ASSOC. WITH THIS SYSTEM ARE SHOWN ON PID-52B & D.
7. A312 TP304 OR A376 TP304 SCH 80 STAINLESS STEEL PIPE NIPPLES SHALL BE USED TO CONNECT THIS VALVE TO THE CL601 & CL151M PIPING.
8. 2RHS#MOV22A, 32A, 32B, 37A, 37B, & 80A SHALL BE DE-ENERGIZED DURING NORMAL PLANT OPERATION TO PRECLUDE THE POSSIBILITY OF SPURIOUS ACTUATION DURING A CONTROL ROOM FIRE (APPENDIX R).
9. ‡‡ INDICATES SUPPLIED BY GE-NED.
10. LINES FROM RELIEF VALVES TO SLOPE DOWNWARD CONTINUOUSLY TO SUPPRESSION POOL 1/4" PER FOOT MINIMUM.
11. ROUTE VENT AND DRAIN LINES TO FUNNELS LOCATED IN LOW RADIATION AREAS AND LOCATE VALVES AS CLOSE AS POSSIBLE TO DRAIN FUNNELS AS NOTED.
12. ◄0►◄0►◄0► INDICATES MINIMUM DISTANCE FOR INSTALLATION.
13. DRAIN LINE SHOULD BE SLOPED DOWNWARD CONTINUOUSLY TO ICS LINE 1/4" PER FOOT MINIMUM.
14. THESE LEVEL SWITCHES ARE PROVIDED WITH A 1" NMPT CONNECTION AND ARE TO BE MOUNTED IN THE RUN OF THE TEE, IN THE DIRECTION OF FLOW.
15. NO FLAG SHOWN ON CORRESPONDING DOCUMENT. COORDINATES PROVIDE INTERFACE LOCATION.

THIS DRAWING WAS PRODUCED ELECTRONICALLY. DO NOT MAKE ANY CHANGES MANUALLY.

SAFETY RELATED
QUALITY RELATED
NON-SAFETY RELATED
(REF. SAR FIG. 5.4-13d & ISPT-31D)

Constellation Energy Group

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

PIPING & INSTRUMENTATION DIAGRAM
RESIDUAL HEAT REMOVAL

SCALE: NONE
DRAWING NO: LR-31D-0

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

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