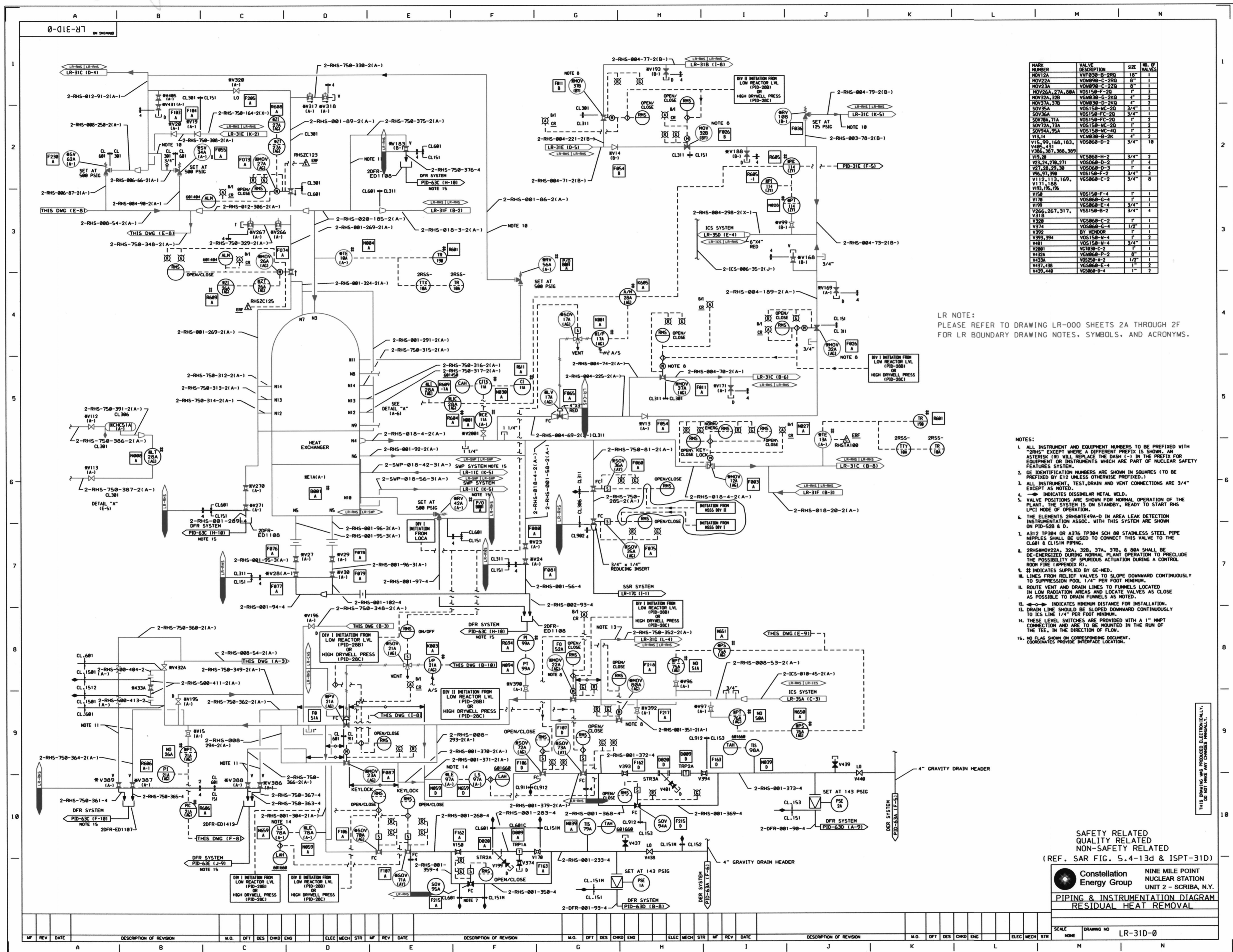


0139



MARK NUMBER	VALVE DESCRIPTION	SIZE	NO. OF VALVES
NOV12A	VVF330-B-280	18"	1
NOV22A	VOW990-C-280	8"	1
NOV23A	VOW990-C-220	8"	1
NOV26A, 27A, 88A	VOS150-F-20	1"	3
NOV32A, 32B	VCH930-C-200	4"	2
NOV37A, 37B	VOW930-D-200	4"	2
SOV35A	VOS150-MC-20	3/4"	1
SOV36A	VOS150-FC-20	3/4"	1
SOV70A, 71A	VOS150-FC-20	1"	2
SOV72A, 73A	VOS150-MC-20	1"	2
SOV94A, 95A	VOS150-MC-40	1"	2
V13, 14	VCH930-B-200	4"	2
V15, 99, 168, 183, V485, 431	VOS060-D-2	3/4"	18
V19, 20	VCS060-H-2	3/4"	2
V23, 24, 278, 271	VOS060-D-2	1"	4
V27, 28, 29, 30	VOS060-D-3	1"	4
V96, 97, 98	VOS150-F-2	3/4"	3
V112, 113, 169, V171, 168, V193, 195, 196	VCS060-C-2	3/4"	8
V174	VOS150-F-4	1"	1
V178	VOS060-G-4	1"	1
V199	VCS060-D-4	3/4"	1
V266, 267, 317, V318	VOS150-B-2	1/2"	4
V320	VCS060-C-2	1"	1
V374	VOS150-M-4	1/2"	1
V392	BY VENDOR	1"	1
V393, 394	VOS150-M-4	1/2"	2
V481	VOS150-B-2	3/4"	1
V2801	VCS060-C-2	1"	1
V432A	VCH930-P-2	8"	1
V433A	VOS150-F-2	1/2"	1
V437, 438	VCS060-E-4	1"	2
V439, 440	VCS060-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:
- ALL INSTRUMENT AND EQUIPMENT NUMBERS TO BE PREFIXED WITH "RHS" 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.
 - GE IDENTIFICATION NUMBERS ARE SHOWN IN SQUARES (TO BE PREFIXED BY E12 UNLESS OTHERWISE PREFIXED).
 - ALL INSTRUMENT, TEST, DRAIN AND VENT CONNECTIONS ARE 3/4" EXCEPT AS NOTED.
 - ALL INSTRUMENTS ARE SHOWN IN SQUARES (TO BE PREFIXED BY E12 UNLESS OTHERWISE PREFIXED).
 - VALVE POSITIONS ARE SHOWN FOR NORMAL OPERATION OF THE PLANT. THE SYSTEM IS ON STANDBY, READY TO START RHS LPCI MODE OF OPERATION.
 - THE ELEMENTS 2RHS049A-D IN AREA LEAK DETECTION INSTRUMENTATION ASSOC. WITH THIS SYSTEM ARE SHOWN ON PID-508 & D.
 - A312 TP304 OR A376 TP304 SCH 80 STAINLESS STEEL PIPE NIPPLES SHALL BE USED TO CONNECT THIS VALVE TO THE CL681 & CL1518 PIPING.
 - 2RHS0022A, 32A, 32B, 37A, 37B, & 88A SHALL BE DE-ENERGIZED DURING NORMAL PLANT OPERATION TO PRECLUDE THE POSSIBILITY OF SPURIOUS ACTUATION DURING A CONTROL ROOM FIRE (APPENDIX R).
 - ⊘ INDICATES SUPPLIED BY GE-NED.
 - LINES FROM RELIEF VALVES TO SLOPE DOWNWARD CONTINUOUSLY TO SUPPRESSION POOL 1/4" PER FOOT MINIMUM.
 - ROUTE VENT AND DRAIN LINES TO FUNNELS LOCATED IN LOW RADIATION AREAS AND LOCATE VALVES AS CLOSE AS POSSIBLE TO DRAIN FUNNELS AS NOTED.
 - ⊘-0 INDICATES MINIMUM DISTANCE FOR INSTALLATION.
 - DRAIN LINE SHOULD BE SLOPED DOWNWARD CONTINUOUSLY TO ICS LINE 1/4" PER FOOT MINIMUM.
 - THESE LEVEL SWITCHES ARE PROVIDED WITH A 1" NPT CONNECTION AND ARE TO BE MOUNTED IN THE RUN OF THE TEE, IN THE DIRECTION OF FLOW.
 - NO FLACS SHOWN ON CORRESPONDING DOCUMENT. COORDINATES PROVIDE INTERFACE LOCATION.

THIS DRAWING WAS PRODUCED ELECTRONICALLY. IT DOES 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

D149