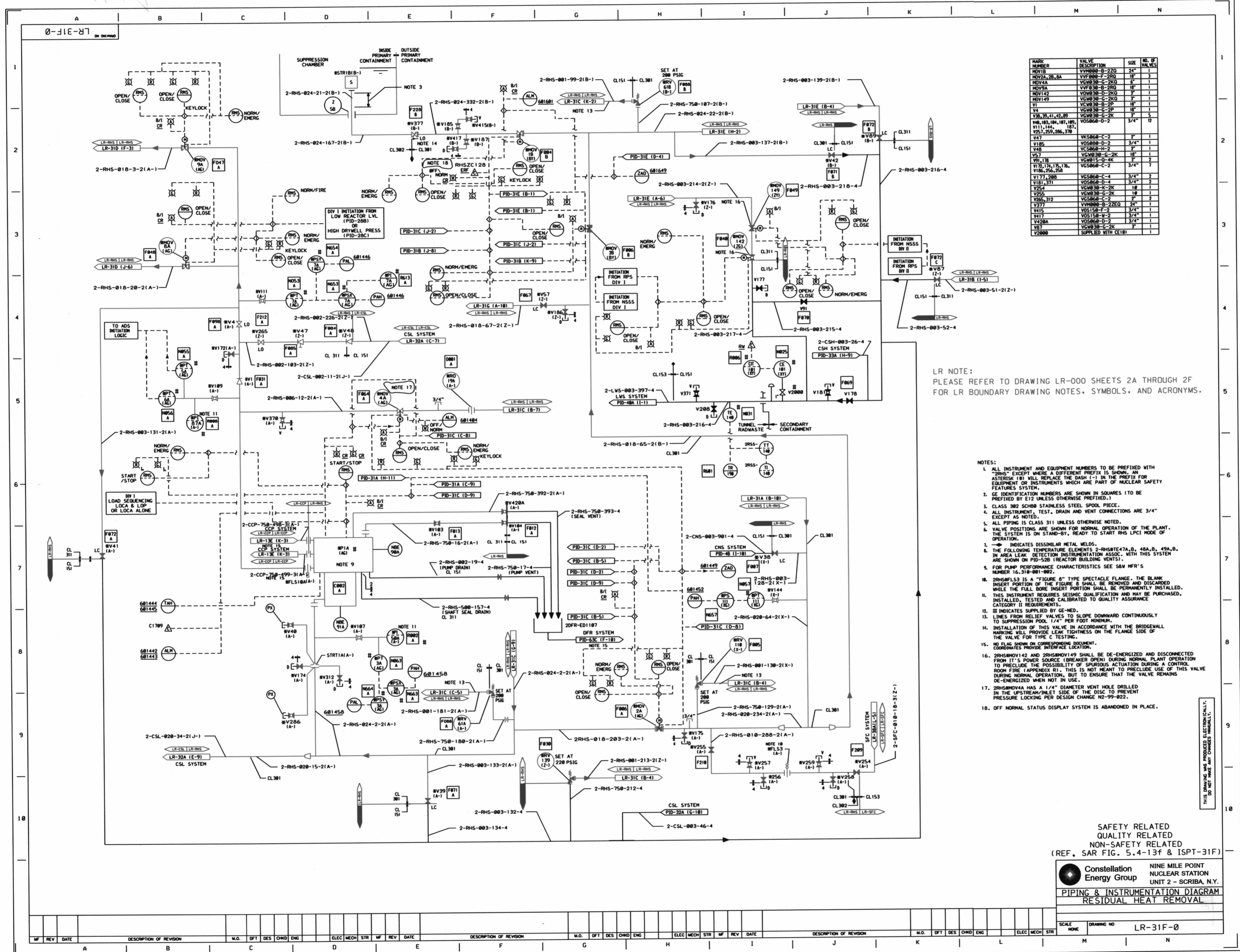


DISI



MARK NUMBER	VALVE DESCRIPTION	SIZE	NO. OF VALVES
MOV18	VV800-B-220	24"	1
MOV2A,2B,8A	VV800-F-280	18"	3
MOV4A	VW830-G-260	6"	1
MOV9A	VW830-B-280	18"	1
MOV149	VW830-D-260	3"	1
V4	VW830-G-260	18"	1
V36,37,41,42,81	VW830-G-260	3"	12
V48,104,105,107,108	VW866-D-2	3/4"	1
V111,144,187,195,259,286,378	VW866-D-2	2"	1
V17	VW866-C-2	2"	1
V185	VW866-D-2	3/4"	1
V48	VW866-H-2	2"	1
V52	VW830-G-260	18"	1
V91,118	VW815-D-4K	3"	2
V172,174,175,176,178,266,268	VW866-C-2	3/4"	7
V177,288	VW866-C-4	3/4"	2
V181,371	VW866-D-4	3/4"	2
V254	VW830-G-260	18"	1
V255	VW830-G-260	18"	1
V265,312	VW866-C-2	2"	2
V377	VW800-B-220	24"	1
V415	VW154-F-2	3/4"	1
V417	VW154-W-2	3/4"	1
V428A	VW866-D-2	3/4"	1
V83	VW830-G-260	3"	1
V2900	SUPPLIED WITH CE181		1

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.)
 - CLASS 302 SCH80 STAINLESS STEEL SPOOL PIECE.
 - ALL INSTRUMENT, TEST, DRAIN AND VENT CONNECTIONS ARE 3/4" EXCEPT AS NOTED.
 - ALL PIPING IS CLASS 311 UNLESS OTHERWISE NOTED.
 - VALVE POSITIONS ARE SHOWN FOR NORMAL OPERATION OF THE PLANT. THE SYSTEM IS ON STAND-BY, READY TO START RPS LPCI MODE OF OPERATION.
 - INDICATES DISSIMILAR METAL WELDS.
 - THE FOLLOWING TEMPERATURE ELEMENTS 2-RHS47A,B, 48A,B, 49A,B, IN AREA LEAK DETECTION INSTRUMENTATION ASSOC. WITH THIS SYSTEM ARE SHOWN ON PID-528 (REACTOR BUILDING VENT).
 - FOR PUMP PERFORMANCE CHARACTERISTICS SEE S&W NFR'S NUMBER 16.318-001-002.
 - 2-RHS47LS3 IS A "FIGURE 8" TYPE SPECTACLE FLANGE. THE BLANK INSERT PORTION OF THE FIGURE 8 SHALL BE REMOVED AND DISCARDED WHILE THE FULL BORE INSERT PORTION SHALL BE PERMANENTLY INSTALLED. THIS INSTRUMENT REQUIRES SEISMIC QUALIFICATION AND MAY BE PURCHASED, INSTALLED, TESTED AND CALIBRATED TO QUALITY ASSURANCE CATEGORY II REQUIREMENTS.
 - INDICATES SUPPLIED BY GE-NEO.
 - LINES FROM RELIEF VALVES TO SLOPE DOWNWARD CONTINUOUSLY TO SUPPRESSION POOL 1/4" PER FOOT MINIMUM.
 - INSTALLATION OF THIS VALVE IN ACCORDANCE WITH THE BRIDGEMALL MARKING WILL PROVIDE LEAK TIGHTNESS ON THE FLANGE SIDE OF THE VALVE FOR TYPE C TESTING.
 - NO FLAG SHOWN ON CORRESPONDING DOCUMENT. COORDINATES PROVIDE INTERFACE LOCATION.
 - 2-RHS47MOV142 AND 2-RHS47MOV149 SHALL BE DE-ENERGIZED AND DISCONNECTED FROM IT'S POWER SOURCE (BREAKER OPEN) DURING NORMAL PLANT OPERATION TO PRECLUDE THE POSSIBILITY OF SPURIOUS ACTUATION DURING A CONTROL ROOM FIRE (APPENDIX R). THIS IS NOT MEANT TO PRECLUDE USE OF THIS VALVE DURING NORMAL OPERATION, BUT TO ENSURE THAT THE VALVE REMAINS DE-ENERGIZED WHEN NOT IN USE.
 - 2-RHS47MOV44 HAS A 1/4" DIAMETER VENT HOLE DRILLED IN THE UPSTREAM/INLET SIDE OF THE DISC TO PREVENT PRESSURE LOCKING PER DESIGN CHANGE H2-99-022.
 - OFF NORMAL STATUS DISPLAY SYSTEM IS ABANDONED IN PLACE.

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

Constellation Energy Group
NINE MILE POINT NUCLEAR STATION UNIT 2 - SCRIBA, N.Y.
PIPING & INSTRUMENTATION DIAGRAM
RESIDUAL HEAT REMOVAL

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

DISI