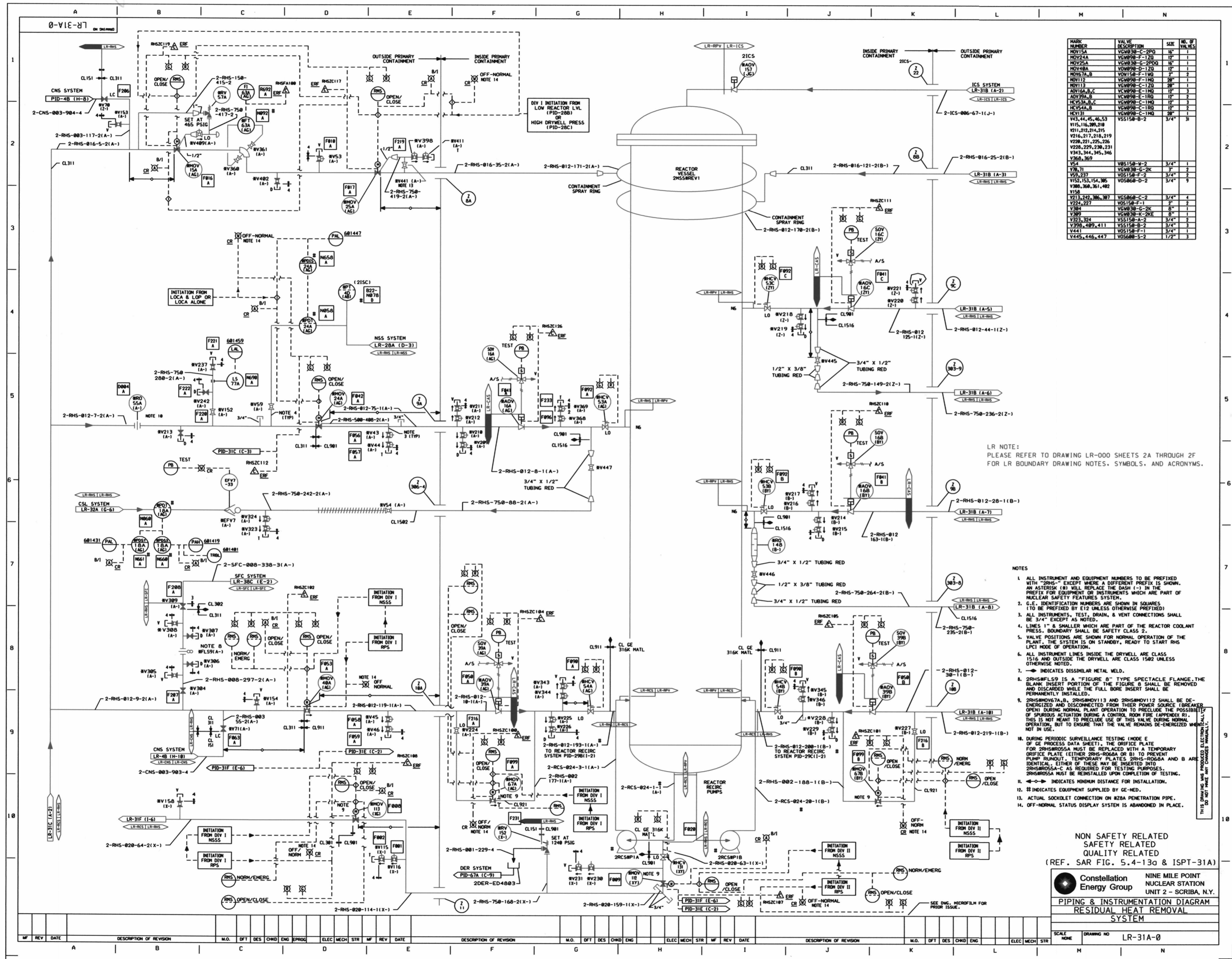


D137



MARK NUMBER	VALVE DESCRIPTION	SIZE	NO. OF VALVES
MOV15A	VCMB30-C-2PG	16"	1
MOV24A	VCMB30-F-120	16"	1
MOV25A	VCMB30-G-2PGD	16"	1
MOV48A	VCMB30-D-120	16"	1
MOV7A,B	VCMB30-F-180	8"	2
MOV12	VCMB30-F-180	20"	1
MOV13	VCMB30-C-120	20"	1
MOV18A,B,C	VCMB30-E-180	12"	3
MOV39A,B	VCMB30-E-180	12"	2
MOV39A,B,C	VCMB30-C-180	12"	3
MOV44A,B	VCMB30-C-180	12"	2
REV131	VCMB30-C-180	20"	1
V43,44,45,46,53	VSS150-B-2	3/4"	31
V15,116,209,310	VSS150-F-2	3/4"	1
V11,215,214,215	VSS150-F-2	3/4"	2
V216,217,218,219	VSS150-F-2	3/4"	2
V220,221,225,226	VSS150-F-2	3/4"	2
V228,229,230,231	VSS150-F-2	3/4"	2
V343,344,345,346	VSS150-B-2	3/4"	31
V360,369	VSS150-B-2	3/4"	1
V54	VSS150-F-2	3/4"	1
V70,71	VCMB30-G-2K	3"	2
V59,237	VSS150-F-2	3/4"	2
V151,153,154,385	VSS150-B-2	3/4"	9
V380,360,361,402	VSS150-B-2	3/4"	9
V150	VSS150-F-2	3/4"	1
V213,422,385,387	VCMB30-C-2	3/4"	4
V224,227	VSS150-F-1	2"	2
V384	VCMB30-G-2K	8"	1
V389	VCMB30-K-2K2E	8"	1
V391,324	VSS150-F-2	3/4"	2
V398,409,411	VSS150-B-2	3/4"	3
V441	VSS150-F-1	3/4"	1
V445,446,447	VSS150-B-2	1/2"	3

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 "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.
 - C.E. IDENTIFICATION NUMBERS ARE SHOWN IN SQUARES (TO BE PREFIXED BY E12 UNLESS OTHERWISE PREFIXED)
 - ALL INSTRUMENTS, TEST, DRAIN, & VENT CONNECTIONS SHALL BE 3/4" EXCEPT AS NOTED.
 - LINE 1" & SMALLER WHICH ARE PART OF THE REACTOR COOLANT PRESS. BOUNDARY SHALL BE SAFETY CLASS 2.
 - VALVE POSITIONS ARE SHOWN FOR NORMAL OPERATION OF THE PLANT. THE SYSTEM IS ON STANDBY, READY TO START RHS LPCI MODE OF OPERATION.
 - ALL INSTRUMENT LINES INSIDE THE DRYWELL ARE CLASS 1516 AND OUTSIDE THE DRYWELL ARE CLASS 1502 UNLESS OTHERWISE NOTED.
 - INDICATES DISSIMILAR METAL WELD.
 - 2RHS001S9 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 SHALL BE PERMANENTLY INSTALLED.
 - 2RHS001S9, 2RHS001S13 AND 2RHS001S12 SHALL BE DE-ENERGIZED AND DISCONNECTED FROM THEIR POWER SOURCE (BREAKER OPEN) DURING NORMAL PLANT OPERATION TO PRECLUDE THE POSSIBILITY OF SPURIOUS ACTUATION DURING A CONTROL ROOM FIRE (APPENDIX B). 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.
 - DURING PERIODIC SURVEILLANCE TESTING (MODE E OF CE PROCESS DATA SHEET), THE ORIFICE PLATE FOR 2RHS001S9A MUST BE REPLACED WITH A TEMPORARY ORIFICE PLATE (EITHER 2RHS-001S9A OR B) TO PREVENT PLUME RUNOUT. TEMPORARY PLATES 2RHS-001S9A AND B ARE IDENTICAL. EITHER OF THESE MAY BE INSERTED INTO 2RHS001S9A AS REQUIRED FOR TESTING PURPOSES. 2RHS001S9A MUST BE REINSTALLED UPON COMPLETION OF TESTING.
 - INDICATES MINIMUM DISTANCE FOR INSTALLATION.
 - INDICATES EQUIPMENT SUPPLIED BY GE-MED.
 - ACTUAL SOCKET CONNECTION ON #28A PENETRATION PIPE.
 - OFF-NORMAL STATUS DISPLAY SYSTEM IS ABANDONED IN PLACE.

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

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

SCALE	DRAWING NO
	LR-31A-0

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