D147

LR-31B-0

MARK NUMBER	VALVE DESCRIPTION	SIZE	NO. OF VALVES
MOV4C	VGW030-G-2K0	6"	1
MOV15B	VGW030-G-2PQ	16"	1
MOV24B,C	VGW090-F-1ZQ	12"	2
MOV25B	VGW030-G-2PDQ	16"	1
MOV48B	VGW090-D-1ZQ	12"	1
MOV184	VGW090-C-1ZQ	6"	1
V9	VCW030-B-2K	6"	1
V12	VCW030-C-2K	6"	1
V21,22,79	VCW030-C-2K	3"	3
V62,80,81,82,83 V84,85,86,159,160, V161,162,166,180, ,246,251,253 V289,364,365,403	V05060-D-2	3/4"	21
V63,64,65,66 V67,68,69,72 V233,234	VSS150-B-2	3/4"	10
V74,75	VBS0150-V-2	3/4"	2
V76,77,442	VDS150-F-2	3/4"	3
V143	VCW090-D-1M	6"	1
V163,167,222, V223,244, V250,252	VGS060-C-2	3/4"	7
V2445	VCW030-K-2K	8"	1
V249	VCW030-G-2K	8"	1
V333,334,335,336	VSS150-A-2	3/4"	4
V399,410,412	VSS150-B-2	3/4"	3
V725	VDS080-D-2	3/4"	1
V247	VGS080-C-2	3/4"	1

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. LINES 1" AND SMALLER WHICH ARE PART OF THE REACTOR COOLANT PRESSURE BOUNDARY SHALL BE SAFETY CLASS 2.
5. —●— INDICATES DISSIMILAR METAL WELD.
6. VALVE POSITIONS ARE SHOWN FOR NORMAL OPERATION OF THE PLANT. THE SYSTEM IS ON STANDBY. READY TO START RHS LPCI MODE OF OPERATION.
7. ALL INSTRUMENT LINES INSIDE THE DRYWELL ARE CLASS 1516 AND OUTSIDE THE DRYWELL ARE 1502 UNLESS OTHERWISE NOTED.
8. 2RHS#FLS2 IS A TWO PIECE TYPE SPECTACLE FLANGE.THE BLANK INSERT PIECE SHALL NOT BE INSTALLED AND MAY BE DISCARDED.THE FULL BORE INSERT PIECE SHALL BE PERMANENTLY INSTALLED.
9. DURING PERIODIC SURVEILLANCE TESTING (MODE E OF GE PROCESS DATA SHEET), THE ORIFICE PLATES FOR 2RHS#R055B AND C MUST BE REPLACED WITH TEMPORARY ORIFICE PLATES 2RHS-R068A AND B TO PREVENT PUMP RUNOUT. TEMPORARY PLATES 2RHS-68A AND B ARE IDENTICAL. EITHER OF THESE MAY BE INSERTED INTO 2RHS#R055A-C AS REQUIRED FOR TESTING PURPOSES. 2RHS#R055B AND C MUST BE REINSTALLED UPON COMPLETION OF TESTING.
10. ‡‡ INDICATES EQUIPMENT SUPPLIED BY GE-NED.
11. ◄—►—► INDICATES MINIMUM DISTANCE FOR INSTALLATION.
12. LINES FROM RELIEF VALVES TO SLOPE DOWNWARD CONTINUOUSLY TO SUPPRESSION POOL 1/4" PER FT. MINIMUM.
13. VALVE INTERNALS ARE REMOVED.
14. ACTUAL SOCKOLET CONNECTION IS ON 8Z8B PENETRATION PIPE.
15. 2RHS#MOV4C HAS A 1/4" DIAMETER VENT HOLE DRILLED IN THE UPSTREAM/INLET SIDE OF DISC TO PREVENT PRESSURE LOCKING PER DESIGN CHANGE N2-99-025.
16. OFF-NORMAL STATUS DISPLAY SYSTEM IS ABANDONED IN PLACE.

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

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

SAFETY RELATED
QUALITY RELATED
NON-SAFETY RELATED

(REF. SAR FIG. 5.4-13b & ISPT-31B)

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

PIPING & INSTRUMENTATION DIAGRAM
RESIDUAL HEAT REMOVAL SYSTEM

SCALE NONE | DRAWING NO LR-31B-0

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

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