LR-67A-0

MARK NUMBER	VALVE DESCRIPTION	SIZE	NO. OF VALVES
HOV119,120	VGW81S-R-22Q	4"	2
HOV128,129	VOW150-F-1HQ	2"	2
HOV130,131	VGS150-W-2Q	2"	2
V1,2	VPF81S-LA-4R	4"	2
V3,4,6	VPF81S-LA-4R	3"	3
V5,7,8,11,44; V46,57,58,121	VGS860-E-4	3/4"	9
V9,12	VCS860-J-4	2"	2
V10,13,62,64	VPS81S-H-4	2"	4
V28,321,322	VGS150-W-2	3/4"	3
V29,30	VGS150-F-2	3/4"	2
V33,34,35,36,37, V43,45	VPS81S-H-4	3/4"	7
V38,39,68,69,70, V71	VBS81S-KA-4	1"	6
V40,41,61,63,67, V72,73,74,75,76	VBM81S-CB-4	3/4"	10
V65,66	VBS81S-KA-4	2"	2
V122,330	VSS860-C-4	3/4"	2
V300	VPF81S-LA-2R	4"	1
V310,320	VSS860-C-2	3/4"	2
V331	VCS860-G-4	1/2"	1

AS INDICATED IN TABULATION — LOCA — CLOSE — OPEN — RMS — CLOSE — OFF NORMAL STATUS — NOTE 21 — MHOV — AS INDICATED IN TABULATION

AS INDICATED IN TABULATION

TYPICAL MOTOR OPERATED VALVE (MOV) LOOPS TABULATION

AREA	LOCA	MHOV
C-2	DIV II	119
C-2	DIV I	120
C-1	DIV II	130
C-1	DIV I	131

NOTES.
1. ALL INSTRUMENT & EQUIPMENT NUMBERS TO BE PREFIXED WITH "2DER-" 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-MEG INSTRUMENT AND EQUIPMENT NUMBERS ARE SHOWN IN SQUARES AND ARE PREFIXED WITH "E31-" EXCEPT WHERE A DIFFERENT PREFIX IS SHOWN.
3. SEE TABULATION "TYPICAL MOTOR OPERATED VALVE (MOV)" THIS DWG (M-6).
4. CMPTR TO GENERATE ALARM ON LOW-LOW LEVEL IN THE DRYWELL EQUIPMENT DRAIN TANK.
5.
6. ALL PIPING IS CLASS 152 UNLESS OTHERWISE NOTED.
7. EQUIPMENT DRAIN HUBS PROJECT 4" ABOVE FLOOR. HUBS ARE 4" DIAMETER AND OPEN TO DRYWELL ATMOSPHERE. RPV DRAIN LINE IS WELDED TO ED4886.
8. ONE MANUAL ISOLATION SWITCH PER DIVISION.
9. ◆ DENOTES DISSIMILAR METAL WELD.
10. 4" HEADER PIPING INSIDE WETWELL SHALL BE SAFETY CLASS 2, PIPE CLASS 153.
11. ALL INSTRUMENT, VENT, TEST, DRAIN AND SAMPLE CONNECTIONS ARE 3/4" UNLESS OTHERWISE NOTED. LEVEL TRANSMITTER CONNS ARE 2". LEVEL SWITCH CONNS ARE 1".
12. REPRESENTS 150LB WELD NECK FLANGE CONNECTION FOR CONTAINMENT ISOLATION VALVE TESTING.
13. VALVE 2DERMHOV128 SHALL BE DE-ENERGIZED DURING NORMAL PLANT OPERATION TO PRECLUDE THE POSSIBILITY OF SPURIOUS ACTIVATION DURING A CONTROL ROOM FIRE (APPENDIX R).
14. ◄—◇—► DENOTES MINIMUM DISTANCE FOR INSTALLATION.
15. 4" HEADER PIPING UP TO DRAIN COOLER INLET BY BUILDING SERVICES.
16. # SUPPLIED BY GE-MED.
17. NO FLAG SHOWN ON CORRESPONDING DOCUMENT. COORDINATES PROVIDE INTERFACE LOCATION.
18. 2CEC-LU101 IS A PROGRAMMABLE CONTROLLER WHICH IS COMMON TO THE DRYWELL FLOOR DRAIN SYSTEM AND THE DRYWELL EQUIPMENT DRAIN SYSTEM.
19. 2DER-FI101 INDICATES THE 24-HOUR AVERAGE EQUIPMENT LEAKAGE.
20. STRAINER ELEMENTS MAY BE INSTALLED WHEN PLANT IS NOT IN MODE #1, AND WORK IS IN PROGRESS OR PLANNED IN THE DRYWELL.
21. OFF-NORMAL STATUS DISPLAY SYSTEM IS ABANDONED IN PLACE.
22. RELIEF VALVE IS SET AT 70 PSIG AND RELIEVES TO THE SUPPRESSION POOL.

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.

(REF. SAR FIG. 9.3-9f & ISPT-67A)

SAFETY RELATED
NON-SAFETY RELATED
QUALITY RELATED

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

PIPING & INSTRUMENTATION DIAGRAM
DRYWELL EQUIPMENT DRAINS

SCALE NONE — DRAWING NO LR-67A-0

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

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