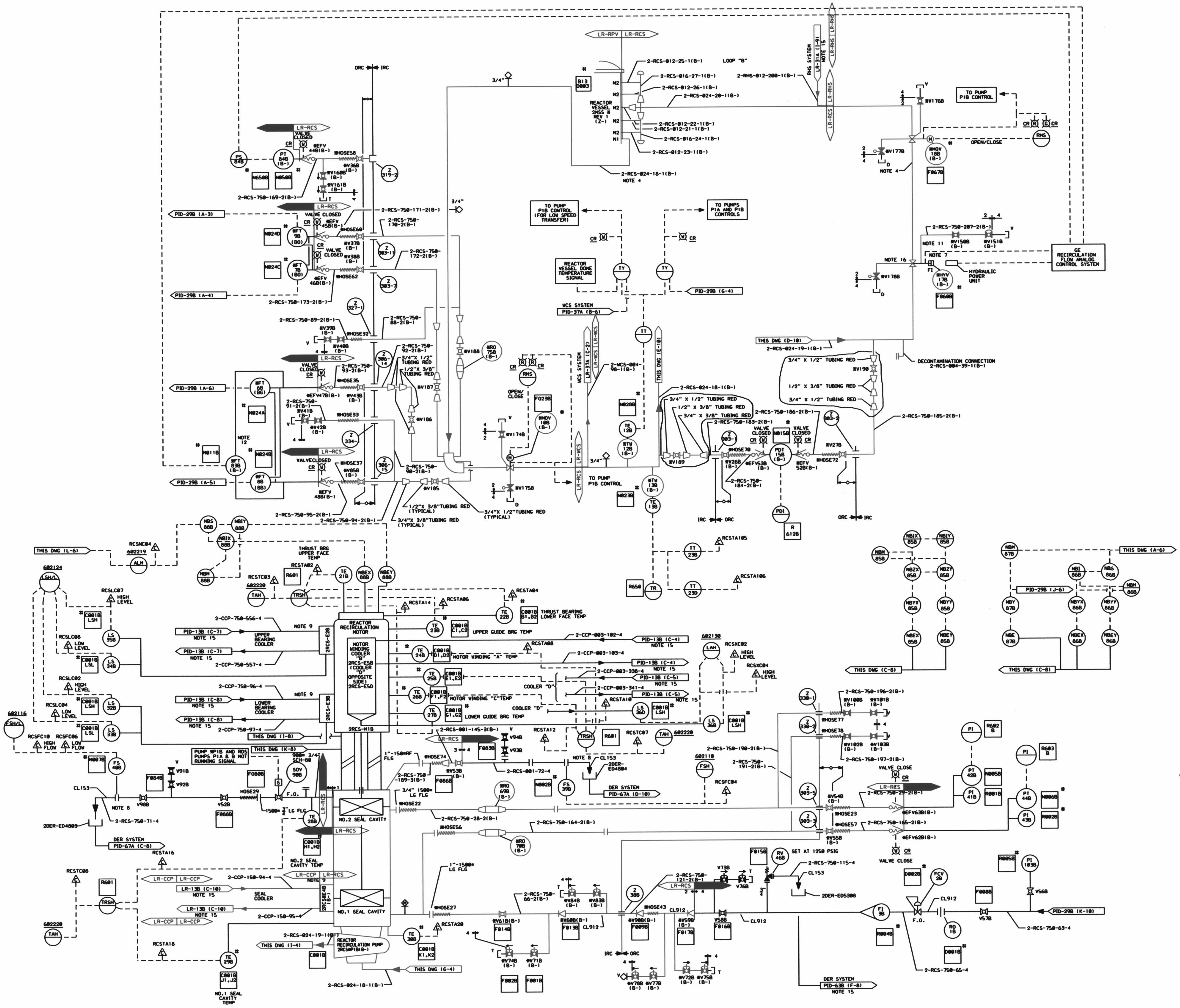
D142

LR-29C-0



MARK NUMBER	VALVE DESCRIPTION	SIZE	NO. OF VALVES
HYV17B	SUPPLIED BY GE	24"	1
MOV10B, 18B	SUPPLIED BY GE	24"	2
V26B, 27B, V36B, 37B V38B, 39B, 40B V41B, 42B, 43B V54B, 55B, 61B V85B, 100B, 101B V102B, 103B V160B, 161B	VOS150-W-2	3/4"	20
V52B, 56B, 57B, 91B V92B, 93B, 94B, 58B V98B	VOS150-W-4	3/4"	9
V53B	VOS150-W-3	1"	1
V59B, 60B, 90B	VCS150-K-2 OR VCS268-F-2	3/4"	3
V71B, 72B, 74B, 75B V77B, 78B, 83B, 84B	VSS150-A-2	3/4"	8
V73B, 76B	VSS150-A-4	3/4"	2
V150B	VOW150-K-2N	3/4"	1
V151B	VSS150-L-2	3/4"	1
SOV90B	VOT150-A-4	3/4"	1
V174B, 176B V185, 186, 187 V188, 189, 190	VOS600-S-2	1/2"	8
V175B, 177B, 178B	VBS150-KA-2	3/4"	3

NOTES.

1. ALL INSTRUMENT & EQUIPMENT NUMBERS TO BE PREFIXED WITH "2RCS-" EXCEPT WHERE A DIFFERENT PREFIX IS SHOWN. AN ASTERISK (#) WILL REPLACE THE DASH (-) IN THE PREFIX FOR EQUIPMENT OR INSTRUMENTS WHICH ARE A PART OF THE NUCLEAR SAFETY FEATURES SYSTEM.
2. GE IDENTIFICATION NUMBERS ARE SHOWN IN SQUARES (TO BE PREFIXED BY B35) EXCEPT AS OTHERWISE SHOWN.
3. ALL INSTRUMENT LINES INSIDE DRYWELL TO BE CL 1516. ALL INSTRUMENT LINES OUTSIDE THE DRYWELL TO BE CL 1502.
4. GE SUPPLIED RECIRC PIPING, IS GE TYPE 316K MATERIAL.
5. RECIRC VALVE VENT & DRAIN PIPING IS CL 1516.
6. ALL RELIEF VALVE, VENT & DRAIN CONNECTIONS ARE 3/4" UNLESS OTHERWISE NOTED.
7. SEE PID-29A FOR HYDRAULIC ACTUATOR PIPING CONNECTION DETAILS.
8. UNION ENDS ARE PROVIDED BEFORE & AFTER THE FLOW SWITCH.
9. COMPONENT COOLING WATER CONNECTION SIZE & TYPE SHOWN ON PID-13B.
10. LINES 1" NOMINAL PIPE SIZE AND SMALLER WHICH ARE PART OF THE REACTOR COOLANT PRESSURE BOUNDARY (RCPB) SHALL BE SAFETY CLASS 2.
11. 2RCS#HYV17B VENT PIPING TO BE CL 1516, SCHEDULE XXS.
12. THIS INSTRUMENT REQUIRES SEISMIC QUALIFICATION AND MAY BE PURCHASED INSTALLED, TESTED AND CALIBRATED TO QUALITY ASSURANCE CATAGORY II REQUIREMENTS.
13. #DENOTES EQUIPMENT SUPPLIED BY GE-NEG.
14. ⊢○⊣ DENOTES MINIMUM DISTANCE FOR INSTALLATION.
15. NO FLAG SHOWN ON CORRESPONDING DOCUMENT. COORDINATES PROVIDE INTERFACE LOCATION.
16. VALVE BODY SIDE DRAIN, BOTTOM DRAIN OF VALVE IS PLUGGED.

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

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

SAFETY RELATED
QUALITY RELATED
NON-SAFETY RELATED
(REF. SAR FIG. 5.4-2c & ISPT-29C)

Constellation Energy Group

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

PIPING & INSTRUMENTATION DIAGRAM
REACTOR RECIRCULATION SYSTEM

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

SCALE NONE | DRAWING NO LR-29C-0