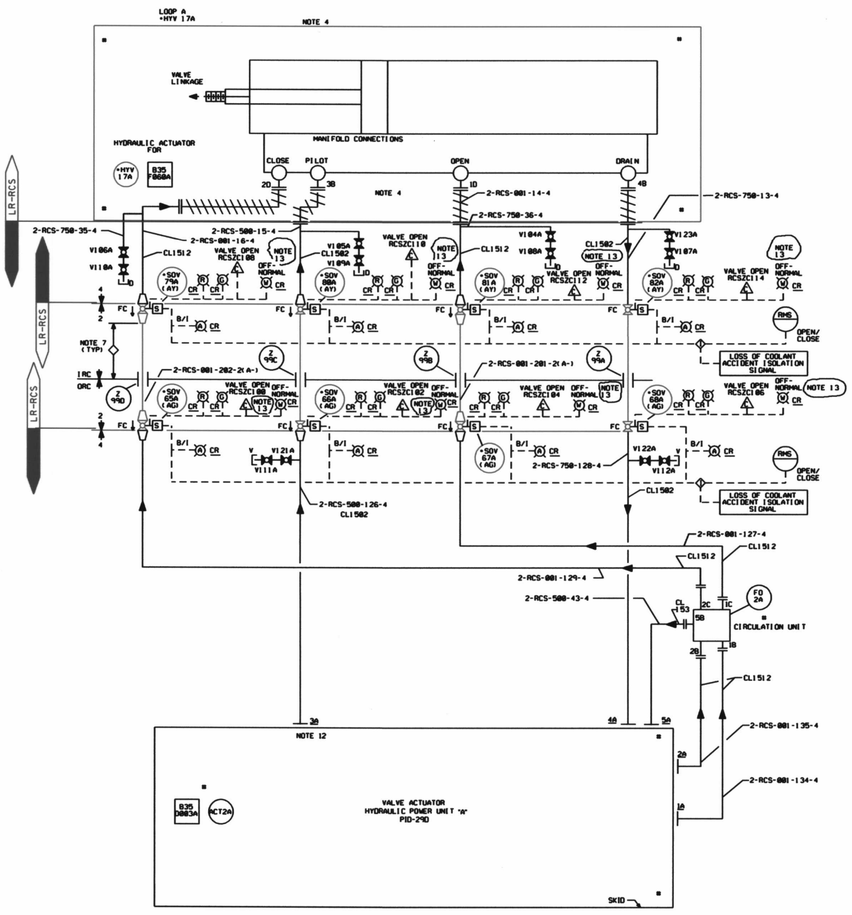
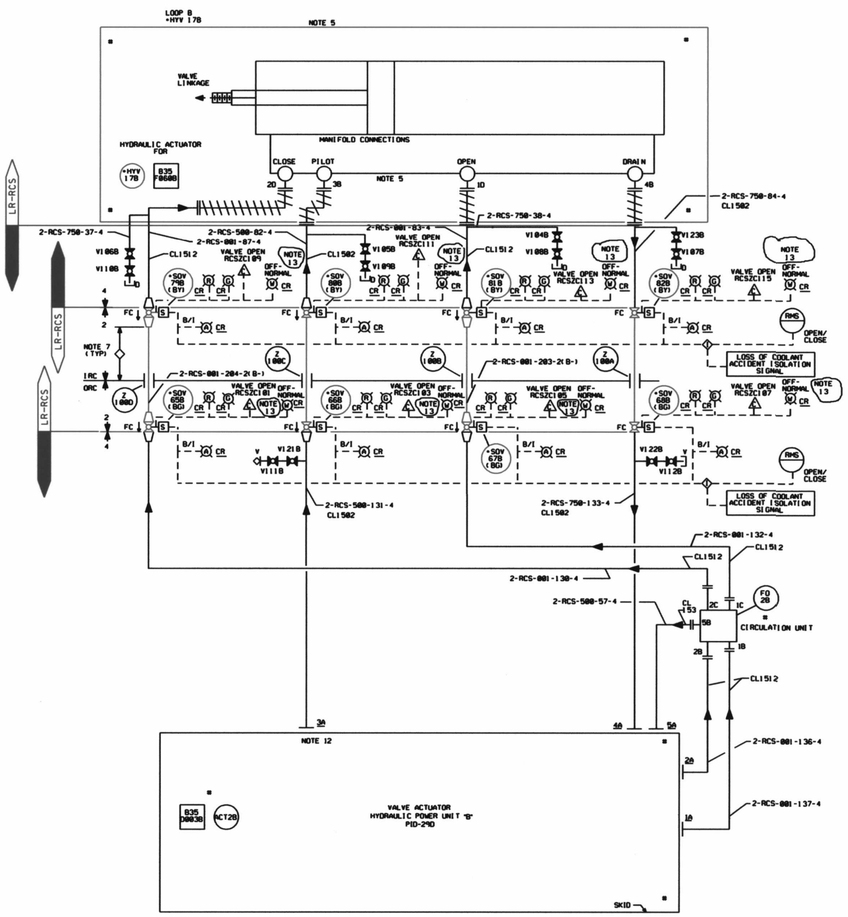
LR-29A-0

MARK NUMBER	VALVE DESCRIPTION	SIZE	NO. OF VALVES
SOV66A, B, 67A, B SOV79A, B, 81A, B	VOS250-WC-20	2"	8
SOV66A, B, 68A, B	VOS250-WC-20	1"	4
SOV68A, B, 82A, B	VOS250-WC-20	3/4"	4
V195A, B, 199A, B V117A, B, 121A, B	VOS150-W-4	1/2"	8
V194A, B, 196A, B V197A, B, 198A, B V118A, B, 112A, B V122A, B, 123A, B	VOS150-W-4	3/4"	16





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 SYSTEMS.
2. GE IDENTIFICATION NUMBERS ARE SHOWN IN SQUARES (PREFIXED BY 835) EXCEPT AS OTHERWISE SHOWN.
3. HYDRAULIC LINES DESIGNED AS CLASS 4 TO BE DESIGNED AS SEISMIC CATEGORY I.
4. HYDRAULIC ACTUATOR IS PHYSICALLY LOCATED ON 2RCS-HYV17A, SEE PID-29BL.
5. HYDRAULIC ACTUATOR IS PHYSICALLY LOCATED ON 2RCS-HYV17B, SEE PID-29BL.
6. PIPING TO BE FLANGED USING SAE FLG'S ON THE CIRCULATION, ACTUATOR & POWER UNITS.
7. ⟷ DENOTES MINIMUM DISTANCE FOR INSTALLATION. CONTAINMENT ISOLATION VALVES (EXCEPT 2RCS-SOV68A, B AND SOV67A, B) TO BE INSTALLED DIRECTLY ON END OF PENETRATION ASSEMBLIES.
8. HYDRAULIC LINES DESIGN, OPERATING PRESSURE & TEMPERATURE SUMMARIZED IN CALC. NO. A(&I)-R-3.
9. HYDRAULIC LINES DESIGNATED AS CLASS 4 SHALL BE PROTECTED AGAINST THE EFFECTS OF PIPE WHIP AND JET IMPINGEMENT.
10. * INDICATES EQUIPMENT SUPPLIED BY GE-NEDO.
11. THE HYDRAULIC LINE FROM THE HYDRAULIC POWER UNIT TO THE HYDRAULIC ACTUATOR SHALL NOT BE GREATER THAN 110 FT. IN LENGTH. THE CIRCULATION DRAIN LINE LENGTH SHALL NOT BE GREATER THAN 20 FT.
12. UNDERLINED LETTER-NUMBER COMBINATION IDENTIFIES FIELD PIPING CONNECTION. SEE SPN INST 1EJ30-5006.
13. 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
(REF. SAR FIG. 5.4-2a & ISPT-29A)

Constellation Energy Group

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

PIPING & INSTRUMENTATION DIAGRAM
REACTOR RECIRCULATION SYSTEM

SCALE NONE | DRAWING NO LR-29A-0

SEE DWG MICROFILM FOR PRIOR ISSUES

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

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