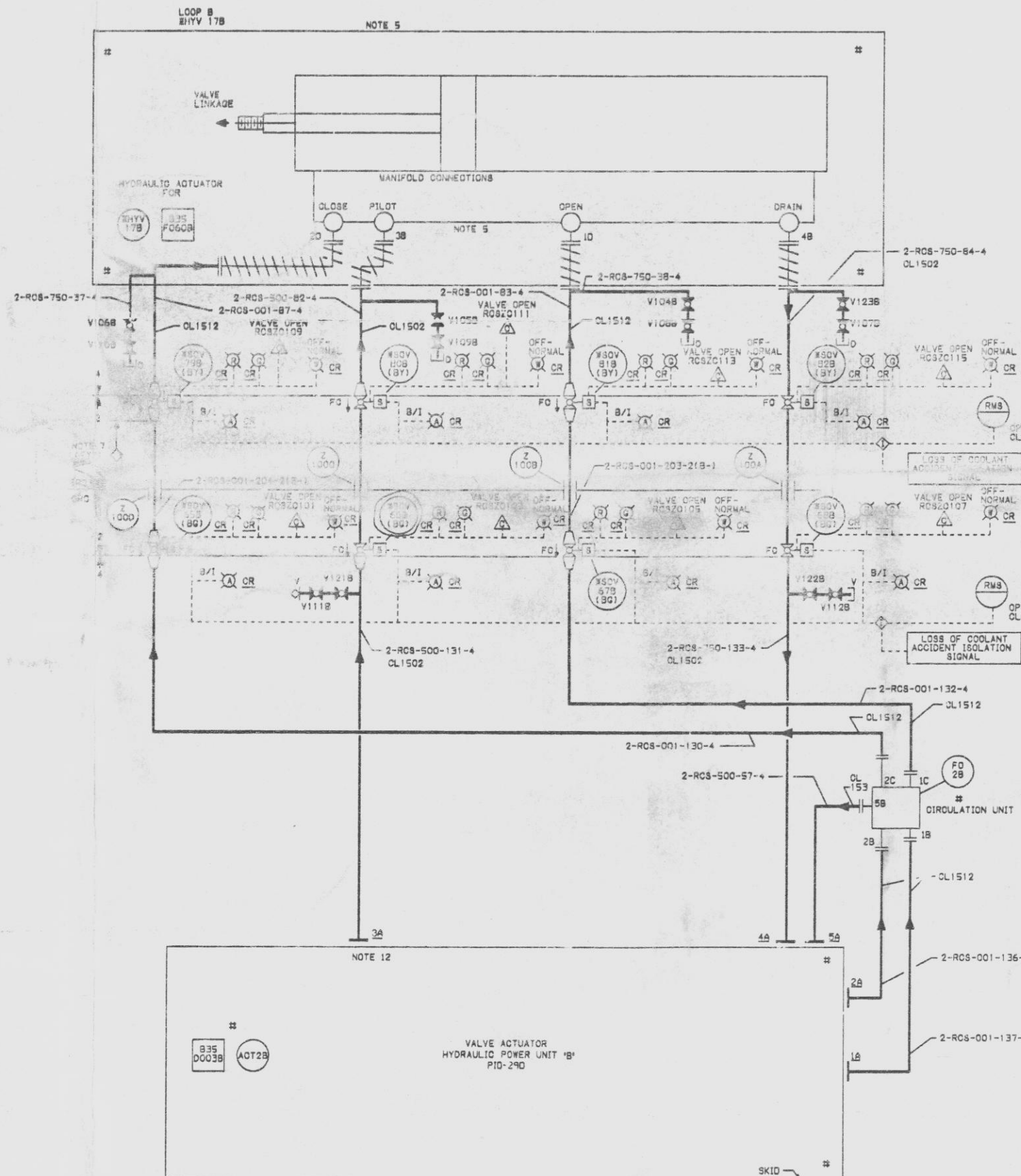
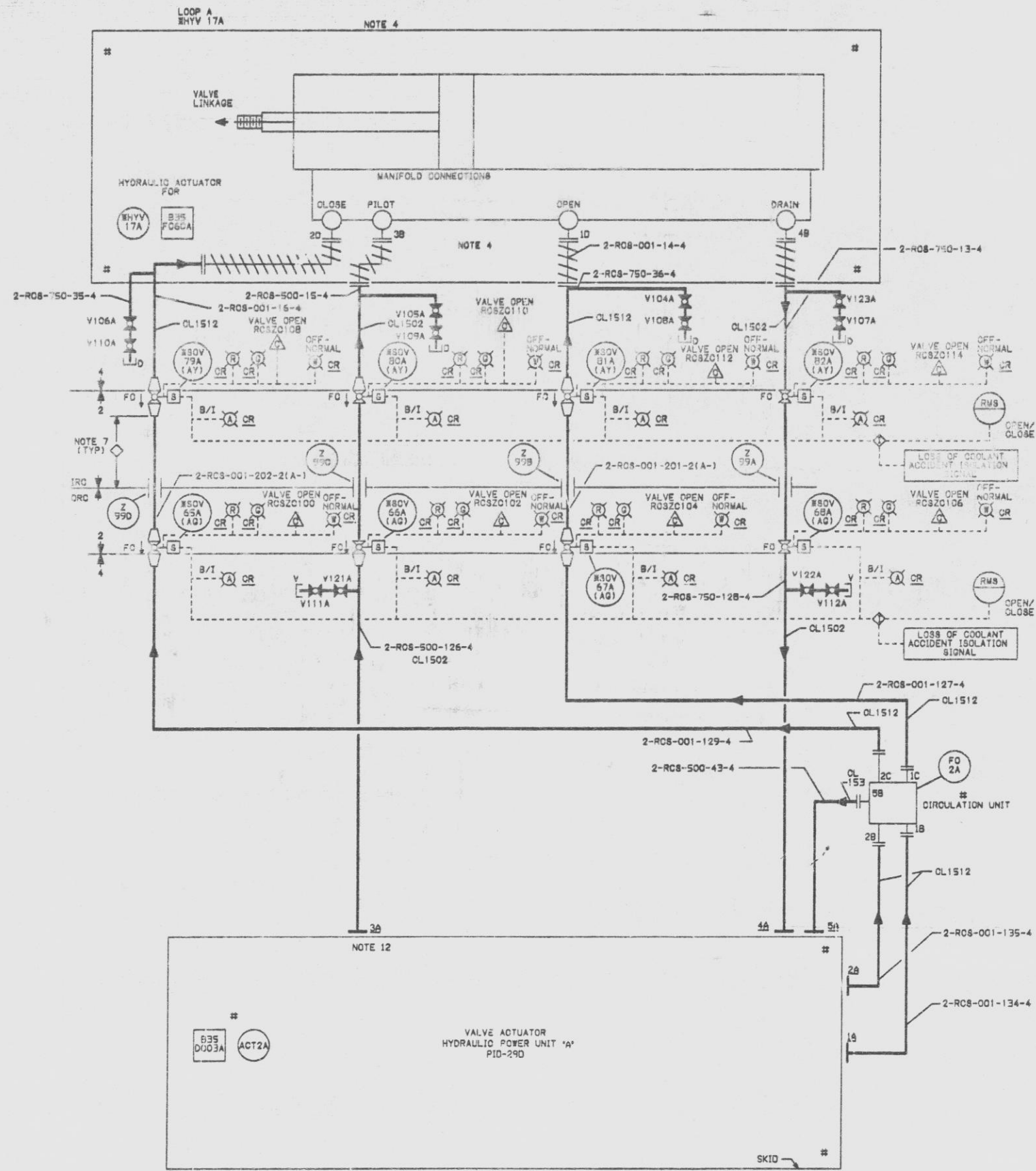


MARK NUMBER	VALVE DESCRIPTION	SIZE	NO. OF VALVES
BOV56A,B,57A,B	VO8250-W-20	2"	8
BOV56A,B,57A,B	VO8250-W-20	1"	4
BOV56A,B,57A,B	VO8250-W-20	3/4"	4
V105A,B,106A,B	VO8150-E-4	1/2"	8
V111A,B,121A,B	VO8150-E-4	3/4"	16



- NOTES:
1. ALL INSTRUMENT & EQUIPMENT NUMBERS TO BE PREFIXED WITH "RCS-4" 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 2RCSRHY17A, SEE PID-29E.
  5. HYDRAULIC ACTUATOR IS PHYSICALLY LOCATED ON 2RCSRHY17B, SEE PID-29D.
  6. PIPING TO BE FLANGED USING SAE FLG'S ON THE CIRCULATION, ACTUATOR & POWER UNITS.
  7. \* DENOTES MINIMUM DISTANCE FOR INSTALLATION CONTAINMENT ISOLATION VALVES LEAKOFF PENETRATIONS AND ROVATA(B) TO BE INSTALLED DIRECTLY ON END OF PENETRATION ASSEMBLIES.
  8. HYDRAULIC LINES DESIGN, OPERATING PRESSURE & TEMPERATURE SUMMARIZED IN CALC. NO. 11G-1-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-NEG.
  11. THE HYDRAULIC LINE FROM THE HYDRAULIC POWER UNIT TO THE HYDRAULIC ACTUATOR SHALL NOT BE GREATER THAN 810 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 SFN INST 16.036-5066.

SI  
APERTURE  
CARD

07-141-91  
NUCLEAR SAFETY RELATED  
QA CAT I, II

PIPING & INSTRUMENTATION DIAGRAM  
REACTOR RECIRCULATION SYSTEM

NINE MILE POINT NUCLEAR STATION-UNIT 2  
NIAGARA MOHAWK POWER CORPORATION  
STONE & WEBSTER ENGINEERING CORPORATION  
CHERRY HILL, N.J.

12177-PID-29A-7

ISSUE	DESCRIPTION	CHKD	CORRECT	ISSUE	DESCRIPTION	CHKD	CORRECT	ISSUE	DESCRIPTION	CHKD	CORRECT	ISSUE	DESCRIPTION	CHKD	CORRECT
6	ISSUED FOR COMPUTER DATA BASE UPDATE AND INCORPORATES EGN NO. RCS-042			5	INCORPORATES EGN NO. RCS-041			4	INCORPORATES EGN NO. S. RCS-040, 507 TO 511			3	AS TESTED ISSUE INCORPORATES EGN NO. S. RCS-039 TO 039, 401 TO 406, 502 TO 506, 602 TO 615		

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