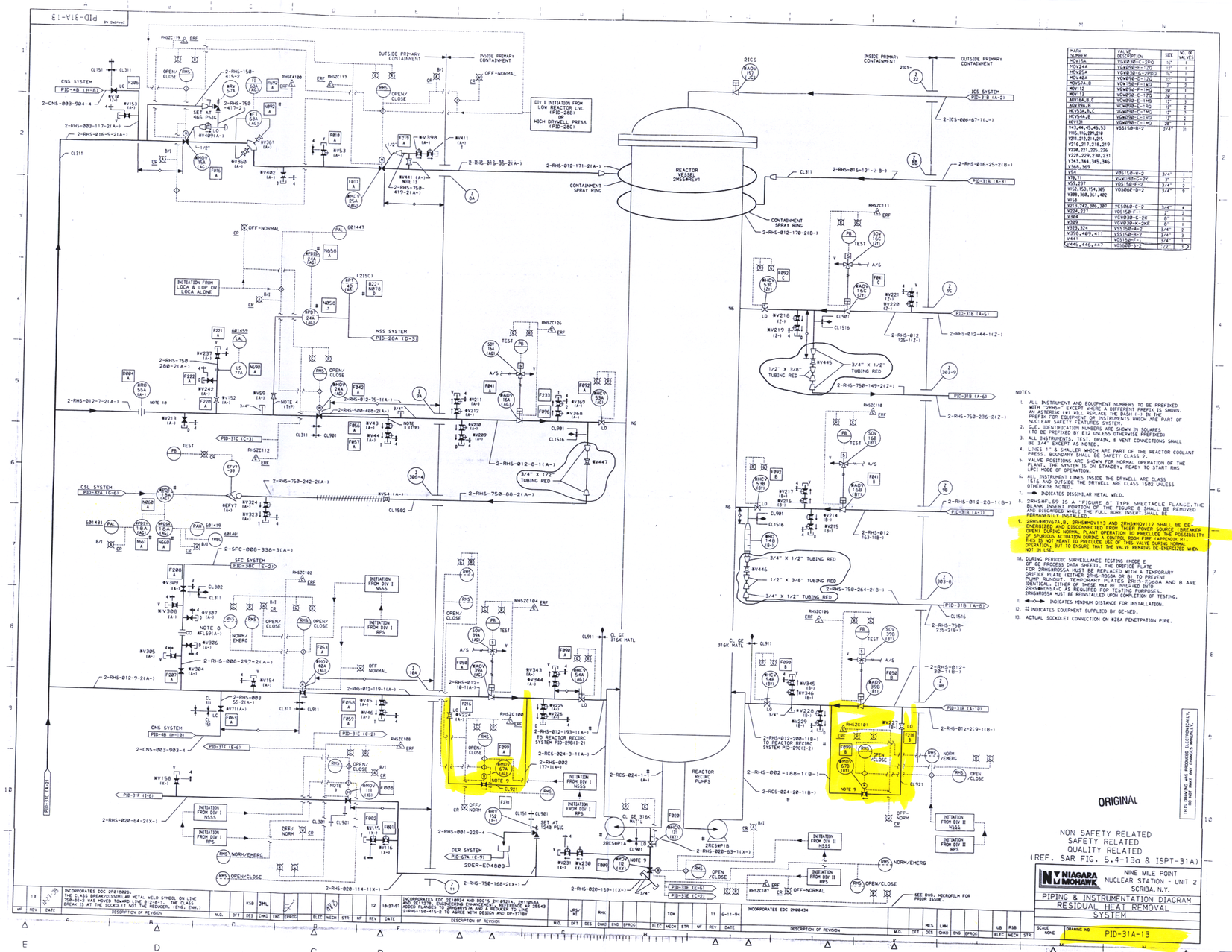

PARC NUMBER	VALVE DESCRIPTION	SIZE	NO. OF VALVES
MOV15A	VGW038-C-2FQ	16"	1
MOV24A	VGW090-F-1FQ	12"	1
MOV25A	VGW038-G-2FQG	16"	1
MOV48A	VGW090-D-1FQ	12"	1
MOV67A,B	VGW150-F-1KQ	2"	2
MOV112	VGW090-F-1HQ	20"	1
MOV113	VGW090-C-1FQ	20"	1
ADV184,B,C	VCW090-E-1HQ	12"	3
ADV394,B	VCW090-C-1RQ	12"	2
HCV54A,B,C	VCW090-C-1HQ	12"	3
HCV54A,B	VCW090-C-1RQ	12"	2
HCV131	VCW090-C-1HQ	20"	1
V43,44,45,46,53	VSS150-B-2	3/4"	5
V115,116,309,218			
V211,212,214,215			
V216,217,218,219			
V220,221,225,226			
V228,229,230,231			
V343,344,345,346			
V368,369			
V54	VBS150-W-2	3/4"	1
V38,71	VGW038-C-2K	3"	2
V59,237	VSS150-F-2	3/4"	2
V152,153,154,305	VGS060-D-2	3/4"	9
V300,306,361,402			
V158			
V213,242,385,387	ICS060-C-2	3/4"	4
V224,227	VGS150-F-1	3/4"	2
V384	VGW038-G-2K	8"	1
V389	VGW038-K-2KE	8"	1
V372,374	VSS150-A-2	3/4"	2
V398,409,411	VSS150-B-2	3/4"	3
V441	VSS150-F-1	3/4"	1
V445,446,447	VGS038-S-2	1/2"	3

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. G.E. IDENTIFICATION NUMBERS ARE SHOWN IN SQUARES (TO BE PREFIXED BY E12 UNLESS OTHERWISE PREFIXED)
3. ALL INSTRUMENTS, TEST, DRAIN, & VENT CONNECTIONS SHALL BE 3/4" EXCEPT AS NOTED.
4. LINES 1" & SMALLER WHICH ARE PART OF THE REACTOR COOLANT PRESS. BOUNDARY SHALL BE SAFETY CLASS 2.
5. VALVE POSITIONS ARE SHOWN FOR NORMAL OPERATION OF THE PLANT. THE SYSTEM IS ON STANDBY, READY TO START RHS LPCI MODE OF OPERATION.
6. ALL INSTRUMENT LINES INSIDE THE DRYWELL ARE CLASS 1502 AND OUTSIDE THE DRYWELL ARE CLASS 150# UNLESS OTHERWISE NOTED.
7. → INDICATES DISSIMILAR METAL WELD.
8. 2RHS#FL59 IS A "FIGURE 8" TYPE SPECTACLE FLANGE. THE BLANK INSERT PORTION OF THE FIGURE 8 SHALL BE REMOVED AND DISCARDED WHEN THE FULL BORE INSERT SHALL BE PERMANENTLY INSTALLED.
9. 2RHS#MOV67A,B, 2RHS#MOV113 AND 2RHS#MOV112 SHALL BE DE-ENERGIZED AND DISCONNECTED FROM THEIR POWER SOURCE (BREAKER OPEN) DURING NORMAL OPERATION TO PRECLUDE THE POSSIBILITY OF SPURIOUS ACTUATION DURING A CONTROL ROOM FIRE (APPENDIX R). THIS IS NOT MEANT TO PRECLUDE USE OF THIS VALVE DURING NORMAL OPERATION, BUT TO ENSURE THAT THE VALVE REMAINS DE-ENERGIZED WHEN NOT IN USE.
10. DURING PERIODIC SURVEILLANCE TESTING (MODE E OF GE PROCESS DATA SHEET), THE ORIFICE PLATE FOR 2RHS#R055A MUST BE REPLACED WITH A TEMPORARY ORIFICE PLATE (EITHER 2RHS-R058A OR B) TO PREVENT PUMP RUNOUT. TEMPORARY PLATES 2RHS-R058A AND B ARE IDENTICAL. EITHER OF THESE MAY BE INSTALLED INTO 2RHS#R055A. C AND D REQUIRED FOR TESTING PURPOSES. 2RHS#R055A MUST BE REINSTALLED UPON COMPLETION OF TESTING.
11. ⟷ INDICATES MINIMUM DISTANCE FOR INSTALLATION.
12. ⊠ INDICATES EQUIPMENT SUPPLIED BY GE-NED.
13. ACTUAL SOCKOLET CONNECTION ON #28A PENETRATION PIPE.

ORIGINAL

NON SAFETY RELATED
SAFETY RELATED
QUALITY RELATED
(REF. SAR FIG. 5.4-13a & ISPT-31A)

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

PIPING & INSTRUMENTATION DIAGRAM
RESIDUAL HEAT REMOVAL
SYSTEM

SCALE NONE | DRAWING NO PID-31A-13

MF	REV	DATE	DESCRIPTION OF REVISION	M.O.	DFT	DES	CHKD	ENG	EPROC	ELEC	MECH	STR	MF	REV	DATE	DESCRIPTION OF REVISION	M.O.	DFT	DES	CHKD	ENG	EPROC	ELEC	MECH	STR	MF	REV	DATE	DESCRIPTION OF REVISION	M.O.	DFT	DES	CHKD	ENG	EPROC	ELEC	MECH	STR
	13	3-17-99	INCORPORATES EDC 2F018039. THE CLASS BREAK/DISSIMILAR METAL WELD SYMBOL ON LINE 75B-08-2 WAS MOVED TOWARD LINE 8"-3-8-1. THE CLASS BREAK IS AT THE SOCKOLET NOT THE REDUCER. (ENG. ENH.)			KSB	JML								12	10-27-97	INCORPORATES EDC 2F018034 AND DDC'S 2H11P027A, 2H11P028A AND 2C11S01. ENGINEERING ENHANCEMENT, REFERENCE AR 2S543 ADDED FLANGE, 2RHS-75B-235-2 TO 2RHS-75B-235-1 AND REDUCER TO LINE 2-RHS-15B-415-2 TO AGREE WITH DESIGN AND DP-3718V		JRS/ MI		RHK					TCM	11	6-11-94	INCORPORATES EDC 2M08434												MES	LMH					UB	RSB	

TAMERAN

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