



MARK NUMBER	VALVE DESCRIPTION	SIZE	NO. OF VALVES
MOV4C	VW030-C-240	3"	1
MOV15B	VW030-C-250	3"	1
MOV248C	VW030-C-150	2"	2
MOV258	VW030-C-250	3"	1
MOV408	VW030-C-150	2"	1
MOV134	VW030-C-120	2"	1
V9	VW030-B-2K	6"	1
V12	VW030-C-2K	6"	1
V122, 9	VW030-C-2K	3"	2
V630, 630A, 630B, 630C, 630D, 630E, 630F, 630G, 630H, 630I, 630J, 630K, 630L, 630M, 630N, 630O, 630P, 630Q, 630R, 630S, 630T, 630U, 630V, 630W, 630X, 630Y, 630Z	VW030-B-2	3/4"	22
V644, 644A, 644B, 644C, 644D, 644E, 644F, 644G, 644H, 644I, 644J, 644K, 644L, 644M, 644N, 644O, 644P, 644Q, 644R, 644S, 644T, 644U, 644V, 644W, 644X, 644Y, 644Z	VW030-B-2	3/4"	0
V742	VW030-B-2	3/4"	2
V767	VW030-B-2	3/4"	2
V743	VW030-B-2K	6"	1
V83, 167, 222	VW030-C-2	3/4"	6
V234, 244, 247, V250, 252	VW030-B-2	3/4"	4
V248	VW030-B-2K	6"	1
V333, 334, 335, 336	VW030-A-2	3/4"	4
V399, 410, 412	VW030-B-2	3/4"	3

NOTE: THOSE AREAS INDICATED WITH THE UNLESS REPRESENT UNINSTALLED AND/OR UNTESTED COMPONENTS OF THIS Dwg.

- NOTES:
1. ALL INSTRUMENT AND EQUIPMENT NUMBERS TO BE PREFIXED WITH "RHS" 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 IDENTIFICATION NUMBERS ARE SHOWN IN SQUARES (TO BE PREFIXED BY "G" UNLESS OTHERWISE PREFIXED).
 3. ALL INSTRUMENT, TEST, DRAIN AND VENT CONNECTIONS ARE 3/4" EXCEPT AS NOTED.
 4. LINES "I" AND SMALLER WHICH ARE PART OF THE REACTOR COOLANT PRESSURE BOUNDARY SHALL BE SAFETY CLASS 2.
 5. "I" INDICATES DISSIMILAR METAL WELD.
 6. VALVE POSITIONS ARE SHOWN FOR NORMAL OPERATION OF THE PLANT. THE SYSTEM IS ON STANDBY, READY TO START RHS LPCI MODE OF OPERATION.
 7. ALL INSTRUMENT LINES INSIDE THE DRYWELL ARE CLASS 1516 AND OUTSIDE THE DRYWELL ARE "502 UNLESS OTHERWISE NOTED.
 8. RHS-1512 IS A TWO PIECE TYPIC SPEC. ALL FLANGE THE BLANK INSERT PIECE SHALL NOT BE INSTALLED AND MAY BE DISCARDED. THE FULL BORE INSERT PIECE SHALL BE PERMANENTLY INSTALLED.
 9. DURING PERIODIC SURVEILLANCE TESTING MODE OF OPERATION DATA SHEET, THE ORIFICE PLATES IN RHS-208 AND C MUST BE REPLACED WITH TEMPORARY ORIFICE PLATES RHS-RO88A AND B TO PREVENT PUMP RUNOUT. TEMPORARY PLATES RHS-68A, 68B ARE IDENTICAL. EITHER OF THESE MAY BE INSERTED INTO RHS-RO88A-C AS REQUIRED FOR TESTING PURPOSES. RHS-68B AND C MUST BE REINSTALLED UPON COMPLETION OF TESTING.
 10. # INDICATES EQUIPMENT SUPPLIED BY GE-HED.
 11. INDICATES MINIMUM DISTANCE FOR INSTALLATION.
 12. LINES FROM RELIEF VALVES TO SLOPE DOWNWARD CONTINUOUSLY TO SUPPRESSION POOL 1/4" R.F.T. MINIMUM.

DOCUMENT USER: CONSULT DOWS TO OBTAIN LATEST APPLICABLE DOCUMENT INFORMATION.

RECEIVED
DEC 19 1983
STORE & WEBSTER
ENGINEERING CORPORATION
CONTROL LEVEL

NUCLEAR SAFETY RELATED
QA CAT III

PIPING & INSTRUMENTATION DIAGRAM
RESIDUAL HEAT REMOVAL SYSTEM

TI APERTURE CARD

NINE MILE POINT NUCLEAR STATION-UNIT 2
NIAGARA MOHAWK POWER CORPORATION
STONE & WEBSTER ENGINEERING CORPORATION
1217-PE

NO.	DESCRIPTION	REV.	DATE	BY	CHKD.	APP'D.	REVISION	
1	AS-TESTED ISSUE INCORPORATES ECH NO. 885-089 TO 885-090 AND 885-091 TO 885-092 TO 885-093 TO 885-094 TO 885-095 TO 885-096 TO 885-097 TO 885-098 TO 885-099 TO 885-100 TO 885-101 TO 885-102 TO 885-103 TO 885-104 TO 885-105 TO 885-106 TO 885-107 TO 885-108 TO 885-109 TO 885-110 TO 885-111 TO 885-112 TO 885-113 TO 885-114 TO 885-115 TO 885-116 TO 885-117 TO 885-118 TO 885-119 TO 885-120 TO 885-121 TO 885-122 TO 885-123 TO 885-124 TO 885-125 TO 885-126 TO 885-127 TO 885-128 TO 885-129 TO 885-130 TO 885-131 TO 885-132 TO 885-133 TO 885-134 TO 885-135 TO 885-136 TO 885-137 TO 885-138 TO 885-139 TO 885-140 TO 885-141 TO 885-142 TO 885-143 TO 885-144 TO 885-145 TO 885-146 TO 885-147 TO 885-148 TO 885-149 TO 885-150 TO 885-151 TO 885-152 TO 885-153 TO 885-154 TO 885-155 TO 885-156 TO 885-157 TO 885-158 TO 885-159 TO 885-160 TO 885-161 TO 885-162 TO 885-163 TO 885-164 TO 885-165 TO 885-166 TO 885-167 TO 885-168 TO 885-169 TO 885-170 TO 885-171 TO 885-172 TO 885-173 TO 885-174 TO 885-175 TO 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