



| MARK  | VALVE DESCRIPTION | SIZE | NO. OF VALVES |
|-------|-------------------|------|---------------|
| WV21A | WV21A             | 3/4" | 1             |
| WV22A | WV22A             | 3/4" | 1             |
| WV23A | WV23A             | 3/4" | 1             |
| WV24A | WV24A             | 3/4" | 1             |
| WV25A | WV25A             | 3/4" | 1             |
| WV26A | WV26A             | 3/4" | 1             |
| WV27A | WV27A             | 3/4" | 1             |
| WV28A | WV28A             | 3/4" | 1             |
| WV29A | WV29A             | 3/4" | 1             |
| WV30A | WV30A             | 3/4" | 1             |
| WV31A | WV31A             | 3/4" | 1             |
| WV32A | WV32A             | 3/4" | 1             |
| WV33A | WV33A             | 3/4" | 1             |
| WV34A | WV34A             | 3/4" | 1             |
| WV35A | WV35A             | 3/4" | 1             |
| WV36A | WV36A             | 3/4" | 1             |
| WV37A | WV37A             | 3/4" | 1             |
| WV38A | WV38A             | 3/4" | 1             |
| WV39A | WV39A             | 3/4" | 1             |
| WV40A | WV40A             | 3/4" | 1             |
| WV41A | WV41A             | 3/4" | 1             |
| WV42A | WV42A             | 3/4" | 1             |
| WV43A | WV43A             | 3/4" | 1             |
| WV44A | WV44A             | 3/4" | 1             |
| WV45A | WV45A             | 3/4" | 1             |
| WV46A | WV46A             | 3/4" | 1             |
| WV47A | WV47A             | 3/4" | 1             |
| WV48A | WV48A             | 3/4" | 1             |
| WV49A | WV49A             | 3/4" | 1             |
| WV50A | WV50A             | 3/4" | 1             |
| WV51A | WV51A             | 3/4" | 1             |
| WV52A | WV52A             | 3/4" | 1             |
| WV53A | WV53A             | 3/4" | 1             |
| WV54A | WV54A             | 3/4" | 1             |
| WV55A | WV55A             | 3/4" | 1             |
| WV56A | WV56A             | 3/4" | 1             |
| WV57A | WV57A             | 3/4" | 1             |
| WV58A | WV58A             | 3/4" | 1             |
| WV59A | WV59A             | 3/4" | 1             |
| WV60A | WV60A             | 3/4" | 1             |

- 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. CE IDENTIFICATION NUMBERS ARE SHOWN IN SQUARES TO BE PREFIXED BY E12 UNLESS OTHERWISE PREFIXED.
  3. ALL INSTRUMENT, TEST-DRY-DRY AND VENT CONNECTIONS ARE 3/4" EXCEPT AS NOTED.
  4. ——— INDICATES DISSIMILAR METAL WELDS.
  5. VALVE POSITIONS ARE SHOWN FOR NORMAL OPERATION OF THE PLANT. THE SYSTEM IS ON STAND-BY, READY TO START RHS LFC MODE OF OPERATION.
  6. THE ELEMENTS 2RHSXTE99-D IN AREA LEAK DETECTION INSTRUMENTATION ASSOC. WITH THIS SYSTEM ARE SHOWN ON PID-508-A-D.
  7. A312 TP304 OR A376 TP304 30H 50 STAINLESS STEEL PIPE NIPPLES SHALL BE USED TO CONNECT THIS VALVE TO THE CL501 & CL518 PIPING.
  8. 2RHSXWV22A, 32A, 32B, 37A, 37B, & 37C SHALL BE DE-ENERGIZED DURING NORMAL PLANT OPERATION TO PRECLUDE THE POSSIBILITY OF SPURIOUS ACTIVATION DURING A CONTROL ROOM FIRE (APPENDIX R1).
  9. ——— INDICATES SUPPLIED BY CE-HEAD.
  10. LINES FROM RELIEF VALVES TO SLOPE DOWNWARD CONTINUOUSLY TO SUPPRESSION POOL 1/4" PER FOOT MINIMUM.
  11. ROUTE VENT AND DRAIN LINES TO FUNNELS LOCATED IN LOW RADIATION AREAS AND LOCATE VALVES AS CLOSE AS POSSIBLE TO DRAIN FUNNELS AS NOTED.
  12. ——— INDICATES MINIMUM DISTANCE FOR INSTALLATION.
  13. DRAIN LINE SHOULD BE SLOPED DOWNWARD CONTINUOUSLY TO ICS LINE 1/4" PER FOOT MINIMUM.
  14. THESE LEVEL SWITCHES ARE PROVIDED WITH A 1" HMPPT CONNECTION AND ARE TO BE MOUNTED IN THE RUN OF THE TEE, IN THE DIRECTION OF FLOW.
  15. NO FLAG SHOWN ON CORRESPONDING KEY-SWT. COORDINATES PROVIDE INTERFACE LOCATION.

SI APERTURE CARD

07-141-9L

NUCLEAR SAFETY RELATED  
ON CAT 1, II

NIAGARA MOHAWK  
MINE MILE POINT  
NUCLEAR STATION - UNIT 2  
SCRBA, N.Y.  
PIPING & INSTRUMENTATION DIAGRAM  
RESIDUAL HEAT REMOVAL

| NO. | REV. | DATE | DESCRIPTION OF REVISION                                 | NO. | REV. | DATE | DESCRIPTION OF REVISION                                 | NO. | REV. | DATE | DESCRIPTION OF REVISION                                 |
|-----|------|------|---|-----|------|------|---|-----|------|------|---|
| 1   |      |      | INCORPORATES EEN NG-RHS-62A.<br>INCORPORATES NEW SCHED. | 1   |      |      | INCORPORATES EEN NG-RHS-62A.<br>INCORPORATES NEW SCHED. | 1   |      |      | INCORPORATES EEN NG-RHS-62A.<br>INCORPORATES NEW SCHED. |

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