D137

LR-28A-0

| MARK NUMBER | VALVE DESCRIPTION | SIZE | NO. OF VALVES |
|---|---|---|---|
| V1,2,3,4,5,6,7 | VOS150-V-2 | 3/4" | 7 |
| V48,49,50,51,52, V53,54,55,56,57, V58,59,60,61 | VSS150-A-2 | 3/4" | 14 |
| V201A/B/C/D | VPH-300-N-2 | 3/8" | 4 |
| V202A/B/C/D<br>V203A/B/C/D<br>V207A/B/C/D<br>V208A/B/C/D<br>V209A/B/C/D | VOS-600-S | 1/2" | 20 |
| V205A/B/C/D<br>V206A/B/C/D | | 1/8" | 8 |
| V200A/B/C/D<br>V204A/B/C/D | VCH-600-N-2 | 3/8" | 8 |

SECONDARY SYSTEM VALVE TABLE "2RDS"

| | | | |
|---|---|---|---|
| V2063A/B/C/D<br>V2064A/B/C/D<br>V2065A/B/C/D<br>V2066A/B/C/D<br>V2067A/B/C/D<br>V2068A/B/C/D<br>V2069A/B/C/D<br>V2070A/B/C/D<br>V2071A/B/C/D<br>V2072A/B/C/D<br>V2073A/B/C/D | VPH-300-N-2 | 3/8" | 44 |
| V2062A/B/C/D<br>V2079<br>V2080 | VOS-600-S | 1/2" | 6 |

NOTES:
1. ALL INSTRUMENT & EQUIPMENT NUMBERS TO BE PREFIXED WITH "2ISC-" 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 NUCLEAR SAFETY FEATURES SYSTEM.
2. GENERAL ELECTRIC IDENTIFICATION NUMBERS ARE SHOWN IN SQUARES.
3. ALL INSTRUMENT LINES INSIDE CONTAINMENT ARE CL1516, ALL INSTRUMENT LINES OUTSIDE CONTAINMENT ARE CL1502 UNLESS OTHERWISE NOTED.
4. MONITORS DRYWELL AIR TEMPERATURE.
5. REFER TO SPEC P301Y, "DRYWELL FLOOR DOWNCOMERS" FOR PIPE SCHEDULE AND MATERIAL.
6. AN EXPANSION LEG SHALL BE PROVIDED IN THE LINE BETWEEN B22-D002 AND SEAL PENETRATION TO ALLOW FOR MAXIMUM CHANGE IN VESSEL LENGTH WITH TEMPERATURE.
7. ALL CONDENSING CHAMBERS MUST BE LOCATED OUTSIDE BIOLOGICAL SHIELD WALL.
8. PIPING 1" NOMINAL PIPE SIZE AND SMALLER WHICH ARE PART OF THE REACTOR COOLANT PRESSURE BOUNDARY SHALL BE SAFETY CLASS 2 UNLESS OTHERWISE NOTED.
9. THIS INSTRUMENT REQUIRES SEISMIC QUALIFICATION AND MAY BE PURCHASED, INSTALLED, TESTED, AND CALIBRATED TO QUALITY ASSURANCE CAT II REQUIREMENTS.
10. ⊠ INDICATES EQUIPMENT SUPPLIED BY G.E.
11. ⊢◇⊣ DENOTES MINIMUM DISTANCE FOR INSTALLATION.
12. POT CENTERLINE ELEVATION 12"+1/2" ABOVE NOZZLE FLANGE FACE.
13. POT CENTERLINE TO BE +3-11/16" +/- 1/4" RELATIVE TO CENTERLINE OF VESSEL NOZZLE.
14. MULTI-TURN ANDERSON GREENWOOD CO. VALVE WITH ANTI-SURGE TIP DESIGNED TO MINIMIZE PRESSURE SURGES UPON OPENING.

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, NON-SAFETY RELATED
QUALITY RELATED

(REF. SAR FIG. 5.1-2a & ISPT-28A)

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

PIPING AND INSTRUMENTATION DIAGRAM
NUCLEAR BOILER AND
PROCESS INSTRUMENTATION

SCALE NONE
DRAWING NO LR-28A-0

| NF | REV | DATE | DESCRIPTION OF REVISION | M.O. | DFT | DES | CHKD | ENG | ELEC | MECH | STR |
|---|---|---|---|---|---|---|---|---|---|---|---|

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