



| PIPING LINE LIST | | | | | | | | | |
|------------------|-----------|------|-------|------|------|------|-------|------|------|
| LINE NO. | LINE SIZE | SEC. | MAT'L | WGT. | WGT. | WGT. | WGT. | WGT. | WGT. |
| AC-1 | 18" | STD. | CS-1 | 100 | 300 | 1.2 | (K-4) | | |
| AC-2 | 18" | STD. | CS-1 | 100 | 300 | 1.2 | (K-4) | | |
| AC-3 | 18" | STD. | CS-1 | 100 | 300 | 1.2 | (K-4) | | |
| AC-4 | 18" | STD. | CS-1 | 100 | 300 | 1.2 | (K-4) | | |
| AC-5 | 18" | STD. | CS-1 | 100 | 300 | 1.2 | (K-4) | | |
| AC-6 | 18" | STD. | CS-1 | 100 | 300 | 1.2 | (K-4) | | |
| AC-7 | 18" | STD. | CS-1 | 100 | 300 | 1.2 | (K-4) | | |
| AC-8 | 18" | STD. | CS-1 | 100 | 300 | 1.2 | (K-4) | | |
| AC-9 | 18" | STD. | CS-1 | 100 | 300 | 1.2 | (K-4) | | |
| AC-10 | 18" | STD. | CS-1 | 100 | 300 | 1.2 | (K-4) | | |
| AC-11 | 18" | STD. | CS-1 | 100 | 300 | 1.2 | (K-4) | | |
| AC-12 | 18" | STD. | CS-1 | 100 | 300 | 1.2 | (K-4) | | |
| AC-13 | 18" | STD. | CS-1 | 100 | 300 | 1.2 | (K-4) | | |
| AC-14 | 18" | STD. | CS-1 | 100 | 300 | 1.2 | (K-4) | | |
| AC-15 | 18" | STD. | CS-1 | 100 | 300 | 1.2 | (K-4) | | |
| AC-16 | 18" | STD. | CS-1 | 100 | 300 | 1.2 | (K-4) | | |
| AC-17 | 18" | STD. | CS-1 | 100 | 300 | 1.2 | (K-4) | | |
| AC-18 | 18" | STD. | CS-1 | 100 | 300 | 1.2 | (K-4) | | |
| AC-19 | 18" | STD. | CS-1 | 100 | 300 | 1.2 | (K-4) | | |
| AC-20 | 18" | STD. | CS-1 | 100 | 300 | 1.2 | (K-4) | | |
| AC-21 | 18" | STD. | CS-1 | 100 | 300 | 1.2 | (K-4) | | |
| AC-22 | 18" | STD. | CS-1 | 100 | 300 | 1.2 | (K-4) | | |

THE FOLLOWING DESIGN TEMPERATURES ARE APPLICABLE TO LINES 1-19, 10 AND 19. NORMAL CONDITIONS: 50°F TO 100°F. ABNORMAL CONDITIONS: 32°F TO 325°F. LINE 2-AC-15 FROM 1-AC-15 TO FLOW INDICATOR FI-150-4 HAS A DESIGN TEMPERATURE OF 50°F TO 100°F. THIS LINE WILL NOT EXPERIENCE ABNORMAL TEMPERATURES.

LEGEND:
△-ERFIS COMPUTER DATA SYSTEM

NOTES:
1. UNLESS OTHERWISE NOTED, ALL BRANCH COMMS FOR DRAINS, VENTS AND TEST SHALL BE OF SAME MATERIAL & SPECIFICATION AS THE HEADER UP TO AND INCLUDING SECOND SHUT-OFF VALVE.
2. UNLESS OTHERWISE NOTED, ALL OPEN DRAINS & VENTS TO BE CS-1, 1/2" PIPING.
3. THIS VALVE SWITCH SUPPLIED WITH A KEY LOCK WHICH ALLOWS THE OPERATOR TO OVERRIDE THE PRIMARY CONTAINMENT ISOLATION SIGNAL.
4. d PS-16-19-32 WILL OPEN VALVES WHEN PRESSURE IN THE SUPPRESSION CHAMBER IS 0.5 PSIG LOWER THAN ATMOSPHERE IF THE CONTROL SWITCH IS IN AUTO.
5. THE ORDER THAT THE PENETRATION ALPHA DESIGNATOR IS STATED, IS THE SAME FOR EACH OF THESE FOUR PENETRATIONS. THUS X-201F IS RELATED TO X-201F, X-202E & X-203E.
6. INSTRUMENT RETIRED IN PLACE PER PDCR 94-021.
7. REFERENCE DRAWINGS:
A-19134
B-19157
C-19155
D-19160
E-19164
F-19166
G-191238
H-191238
I-191238
J-191238
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| COMPONENTS SUBJECT TO AMR | | | |
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| HIGH PRESSURE COOLANT INJECTION SYSTEM AMR-05 | | | |
| REACTOR CORE ISOLATION COOLING SYSTEM AMR-06 | | | |
| PRIMARY CONTAINMENT ATMOSPHERE CONTROL AND ATMOSPHERE DILUTION SYSTEM AMR-08 | | | |
| PRIMARY CONTAINMENT PENETRATIONS AMR-20 | | | |

VERMONT YANKEE NUCLEAR POWER CORPORATION
VERMONT YANKEE NUCLEAR POWER STATION
VERMONT, VERMONT
FLOW DIAGRAM
PRIMARY CONTAINMENT AND ATMOSPHERE CONTROL SYSTEM
REPRODUCED FROM G.E. DWG 7295332 REV 3 & DWG 7295333 REV 2

| NO. | DATE | DESCRIPTION | BY | CHK | APP |
|-----|----------|-------------|----|-----|-----|
| 1 | 8-15-05 | | | | |
| 2 | 11-14-06 | | | | |

LRA-G-191175-SH-01-0
LRA-G-191175-SH-01-70.DGN
G-191175-SH-01-CALS-70.CAL