



LINE NO	LINE SIZE	SCH	MAT'L	DESIGN	TEMP OF	LOCATION
AC-25	2"	10	SA-10	200	100	G-7
AC-26	4"	10	SA-10	200	100	H-7
AC-27	4"	10	SA-10	200	100	F-9
AC-28	4"	10	SA-10	200	100	F-9
AC-29	2"	80	SA-10	200	100	G-9
AC-30	2"	80	SA-10	200	300	F-10
AC-406	3/4", 1/2"	80	SA-10	200	300	F-10

*SEE NOTE 6

- NOTES:
- UNLESS OTHERWISE NOTED ALL MANUAL VALVE NUMBERS TO BE PREFIXED BY V16-19. ALL SPECIALTIES TO BE PREFIXED BY SYS No. 16-19 AND ALL CONTROL SYS No. 1-156. EXAMPLES: 1) FOR MANUAL VALVE 1013 ACTUAL TAGGING SHALL BE V16-19-1013
 - FOR LOCATION AND IDENTIFICATION OF INSTRUMENTS SEE INSTRUMENT LIST D-191260.
 - PIPING & INSTRUMENT SYMBOLS PER EASCO DWG. G-191155 EXCEPT AS NOTED.
 - ALL LOCAL PANEL MOUNTED CONTROLS ARE LOCATED IN THE N2 VAPORIZING CONTROL PANEL EXCEPT AS NOTED.
 - SFF CALCULATION BY 80-56-C4 FOR SYSTEM PIPING DESIGN TEMPERATURE RANGES.
 - WAVE LINE INDICATES LINE FROM LN2 TANK TO VAPORIZERS HAVE BEEN INSULATED WITH PITTSBURGH-CORNING 40MM GLASS INSULATION PER P-C SPEC NO I-C-78-02-01-ISC.
 - DURING POWER OPERATION SPOOL PIECE NUMBER N2-SPOOL-1 CONSISTING OF VALVES V-16-19-91, V-16-19-92 AND V-16-19-97 WILL BE REMOVED AND A PIPE PLUG AND CAP WILL BE INSTALLED ON THE SPOOL PIECE ENDS. A PIPE PLUG AND CAP WILL ALSO BE INSTALLED ON BOTH OPEN ENDS OF THE PIPING/TUBING WHERE THE SPOOL PIECE CONNECTS TO THE PERMANENT PIPING. (REFERENCE VDC 2003-016).
 - SPECTACLE FLANGE SPF-16-19-1A IS NORMALLY BLANKED OFF DURING POWER OPERATION EXCEPT WHEN INERTING. SPECTACLE FLANGE SPF-16-19-2A IS NORMALLY ALIGNED TO PERMIT FLOW. (REFERENCE VDC 2003-016).

REFERENCE DRAWINGS:

- G-191175 SH-1 - PRIMARY CONTAINMENT ATMOSPHERIC CONTROL SYSTEM - FLOW DIAGRAM
- G-191160 SH-2 - SERVICE & INSTRUMENT AIR SYSTEM FLOW DIAGRAM
- PROCESS ENGR. DWG. NO. G-22819 REV. 4 LN2 TANK SCHEMATIC (5920-9066)
- G-191221 - PCAC SYSTEM - PIPING
- G-191222 - PCAC SYSTEM - PIPING
- 5920-FS-176 - PCAC SYSTEM - PIPING ISOMETRIC
- 5920-9066 - EDCR 90-56 PIPING LAYOUT ISOMETRIC
- 5920-9067 - LN2 TANK & VAPORIZERS LAYOUT
- G-191155 - PIPING & INSTRUMENT SYMBOLS

REV	DESCRIPTION	BY	CHKD.	APPD.
20	REVISED PER VDC 2003-016, JO 2004-009	WD	ML	PAR
19	REVISED PER SCR 2001C 097	JK	ADP	CSB

ENERGY NUCLEAR VERMONT YANKEE
VERMONT

DRAWING TITLE: NITROGEN SUPPLY SYSTEM FLOW DIAGRAM
DRAWING NO.: G 191175 SH.2

SYSTEM INTENDED FUNCTION BOUNDARY

COMPONENTS SUBJECT TO AMR
PRIMARY CONTAINMENT PENETRATIONS AMRM-20

NO.	DATE	DESCRIPTION	BY	ENG	CHK	APP
REVISIONS						
LRA-G-191175-SH-02-0						
LRA-G-191175-SH-02-20.DGN						
MASTER FILE G-191175-SH-02-CALS-20.CAL						

THIS IS AN FSAR DRAWING

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