



NOTE
OUTSIDE VESSEL, ITEM #1
NOT SHOWN IN THIS VIEW
FOR CLARITY

- NOTES
(UNLESS OTHERWISE SPECIFIED)
- DRAWING TO BE INTERPRETED PER ASME Y14.100-2000.
 - ALL WELDS TO BE VACUUM LEAK TIGHT. LEAK TEST: NO LEAK SHALL BE DETECTABLE ON THE MOST SENSITIVE SCALE OF A HELIUM LEAK DETECTOR WITH A MINIMUM SENSITIVITY OF 10⁻⁶ ATM.CC/SEC.
 - APPROX. WEIGHT OF ASSEMBLY = 830 LBS.

REV	DESCRIPTION	DRAWN	DATE
23	SWAGelok P/N SS-16-VCR-2-VS	VCR FACE SEAL FITTING, SWAGelok 1" UNPLATED, GASKET, 316SS	1
22	SWAGelok P/N SS-16-VCR-7-16	VCR FITTING, SWAGelok FEMALE NPT, 1" VCR, 316SS	1
21	McMASTER-CARR P/N 4464K375	REDUCING UNION, 3/4 FPT x 3/4 FPT, 304 SST	1
20	McMASTER-CARR P/N 4830K191	PIPE NIPPLE, 3/4 MPT x 3/4 MPT, 304 SST, (1.38 LG.)	2
19	COML.	WASHER, LOCK, 5/16 SCREW, SST	4
18	COML.	SCREW, SOCKET HEAD CAP, 5/16-18 UNC-2B x 2.00 LG., SST	4
17	COML.	WASHER, FLAT, 1.125 SCREW, SST	16
16	COML.	NUT, ASME HEX, 1.125-7 UNC-2B, ASTM A194 GRADE 8, SST	16
15	COML.	SCREW, ASME HEX HD CAP, 1.125-7 UNC-2B x 3.00 LG., SST, ASTM A193 GRADE B8 CL1	16
14	McMASTER-CARR P/N 2949133	HOIST RING, 1/2-13, 1250 LB. SST	3
13	GRANGER P/N G100SM120	FLEXIBLE METAL HOSE, Ø1.00 x 12.00 SCH.40, NPT FITTINGS, 304 SST	1
12	McMASTER-CARR P/N 4464K39	THREADED ELBOW, 3/4" NPT, 90° MALE x 90° FEMALE, 304 SST	1
11	McMASTER-CARR P/N 4464K41	STREET ELBOW, 1" NPT, 304SST	1
10	CRYOMECH, INC.	CRYOCOOLER, CRYOMECH, INC. CH10300, COLDHEAD	1
9	BARBER-NICHOLS	PUMP, SUBMERSIBLE CRYOGENIC TRANSFER; 3.5 GPM, #BNLN-01-000	1
8			
7			
6	PAVE TECH. P/N VS15-AL	FEEDTHROUGH CONN., HERMETIC SEAL BULKHD., #VS15-AL-150-20-TE22-48-48	1
5	TERRAGON RES P/N LP7	LN2 LEVEL TRANSMITTER, INSERT, LG., -92.00", SENSING LG., -64.00" TERRAZON RESEARCH P/N LP7	1
4	McJUNKIN P/N 2436-7704	RING GASKET, Ø18.00 x 1/16 THK. 150 LB., DURABLA #8500	1
3	ME-436466	TOP FLANGE WELDMENT	1
2	MC-436427	HEAT EXCHANGER ASSEMBLY	1
1	01-1963-6500	PHPK 200L VESSEL	1
ITEM PART NO. DESCRIPTION OR SIZE QTY.			
PARTS LIST			
UNLESS OTHERWISE SPECIFIED (ORIGINATOR H. CASE 31-JUL-2007)			
.XX	.XXX	ANGLES	DRAWN P. POLL 05-SEP-2007
5	10	15	20
2	3	4	5
1	2	3	4
7. BREAK ALL SHARP EDGES			
8. DO NOT SCALE DIMENSIONS			
9. DIMENSIONS ARE TO CENTER UNLESS OTHERWISE SPECIFIED			
10. ALL DIMENSIONS ARE TO CENTER UNLESS OTHERWISE SPECIFIED			
11. DRAWING UNITS: U.S. INCH			
MATERIAL SEE PARTS LIST ABOVE			
FERMI NATIONAL ACCELERATOR LABORATORY UNITED STATES DEPARTMENT OF ENERGY			
DECAM/CCDS TEST VESSEL ASSEMBLY TEST VESSEL DEWAR ASSEMBLY			
SCALE	DRAWING NUMBER	SHEET	REV
1:4	4900.120-ME-436426	1 OF 1	
CREATED WITH: 16c6s1205s1r1es GROUP: PPD/MECHANICAL DEPARTMENT			