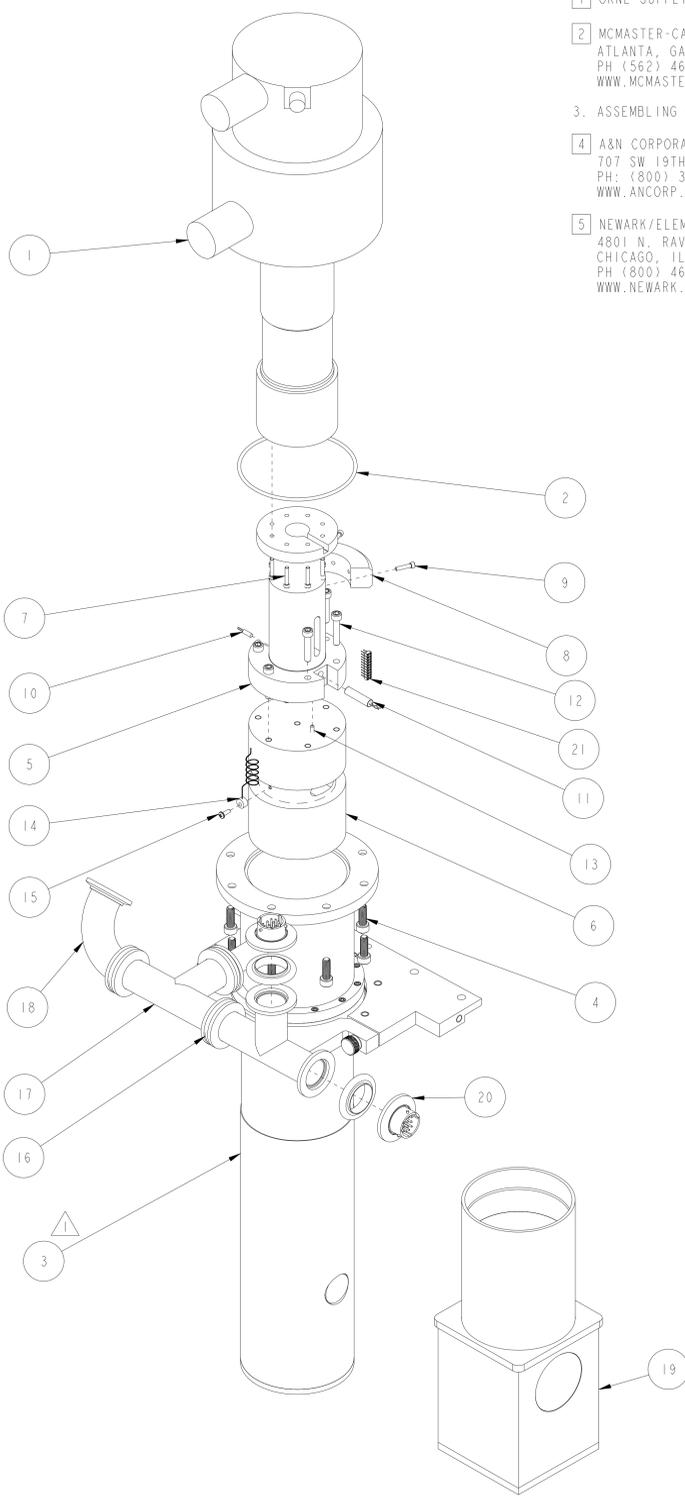
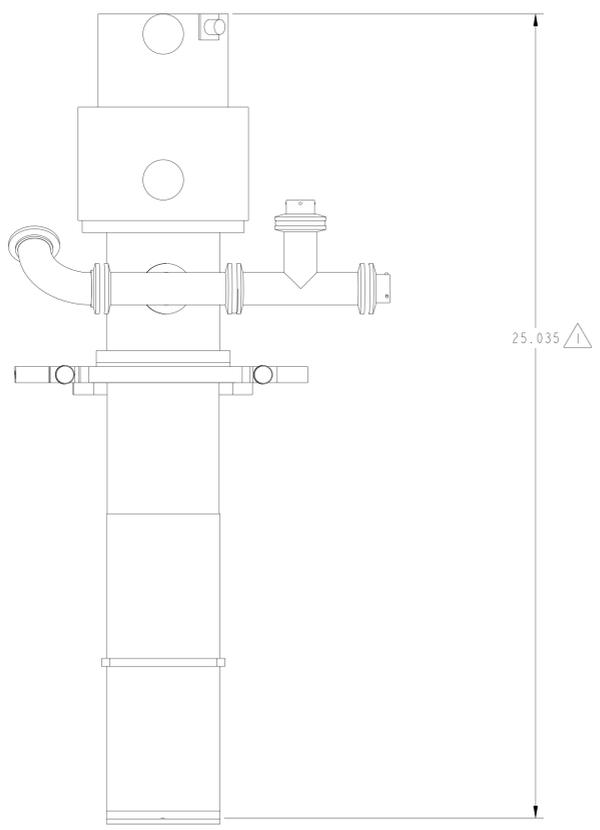
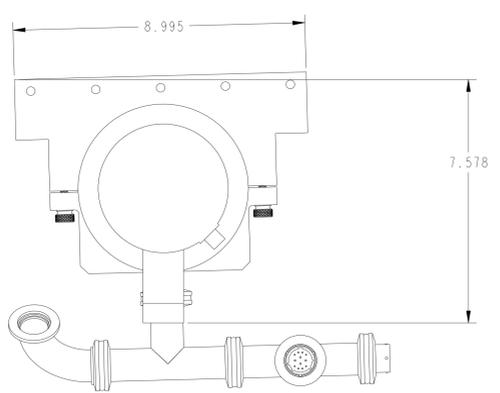


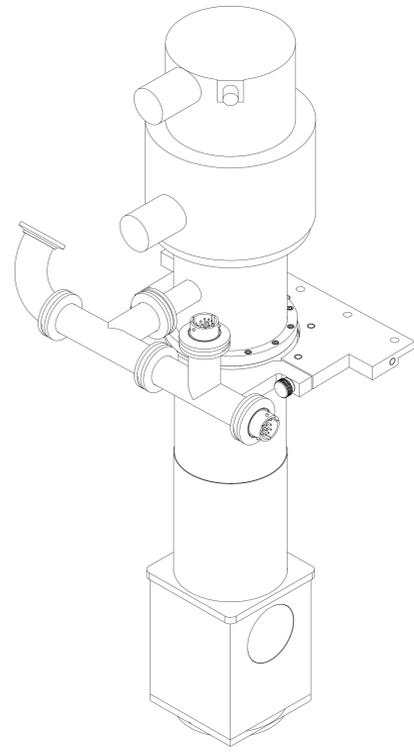
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REVISIONS											
REV	TYPE	DESCRIPTION OF CHANGE	DES	DET	CK	ENG	TL	GL	CE	VER	DATE
0		ORIGINAL ISSUE	JW	JW							
1		ITEM 3 TO REV01 WITH REVISED SUBASSEMBLY PARTS, CHANGED OVERALL DIMENSION	JW	JW							9/22/17
1		ADDED ITEM 19 AS LOWER OVC CAN USER OPTION									

- NOTES:
- 1 ORNL SUPPLIED
 - 2 MCMASTER-CARR SUPPLY CO.
ATLANTA, GA 30336-2853
PH (562) 463-4277
WWW.MCMASTER.COM
 - 3. ASSEMBLING COMPLETED BY ORNL
 - 4 A&N CORPORATION
707 SW 19TH AVENUE WILLISTON, FL 32696
PH: (800) 352-6431
WWW.ANCORP.COM
 - 5 NEWARK/ELEMENT 14
4801 N. RAVENSWOOD
CHICAGO, IL 60640-4496
PH (800) 463-9275
WWW.NEWARK.COM



EXPLODED VIEW
SCALE 1/2



FIND NO	QTY	PART OR IDENTIFYING NUMBER	DESCRIPTION OR NOMENCLATURE	MATERIAL / SPECIFICATION
5	21	1	SAMTECH-SD-110.G.2	.100" PITCH DOUBLE ROW SOCKET
1	20	2	MDC-1259701-12P-FEEDTHRU	12 PIN VACUUM CONNECTOR (MDC SPECIAL)
19	1	107030510-MBU-8700-B562	SQUARE OVC CAN	PART# 97P2782 WWW.NEWARK.COM
18	1	AN-DF25-100-E90	ISO-DF25 90 DEGREE ELBOW	12 PIN REF PN DTLH-14-12PN-031 MDC PER QUOTE # SQ-00Q27056-1
17	2	DF25-100-TAL	DF25 AI TEE	304 STAINLESS STEEL ABN DF25-100-E90
16	5	DF25-100-SRV	NW25 CENTERING AND VITON O-RING	AI LESKER
15	1	94070A107	PAN HD PHILLIPS SCREW 4-40 UNC X 5/16" LG	VITON O-RING ASSEMBLY
14	1	CX-1050-CU-HT	LAKESHORE SENSOR	BRASS
13	2	9231A106	4-40 CUP POINT SOCKET SET SCREW X .25 LG	CERNOX TEMPERATURE SENSOR
12	6	92196A274	SHCS #10-32UNF X 1.0 LG.	STAINLESS 18-8 MCMASTER-CARR
11	1	E1A-621	25 OHM 100 WATT HEATER CARTRIDGE	STAINLESS WATLOW
10	1	CERNOX-CX-10XX-AA	CERNOX TYPE AA PACKAGE FIO REP	---
9	2	92196A110	SHCS #4- 40" UNC X 0.50" LG	WWW.LAKESHORE.COM
8	1	107030510-MBU-8700-B560	G10 SUPPORT	STAINLESS STEEL UNS S30400
7	8	92196A112	SHCS SS #4- 40" UNC X 0.625" LG	G10 FR4 MCMASTER 866TK121
6	1	RYAN-PRESSURECELL-MOD-F10-BL4A-	PRESSURE CELL MODIFICATION	STAINLESS 18-8 MCMASTER
5	1	107030510-MBU8700-B559	CELL ADAPTER	OF HC COPPER 10100 ASTM B187
4	8	91292A136	SHCS, M6 X IMM. 18MM LONG	STAINLESS STEEL 18-8
3	1	107030510-MBU-8700-B551	OVC ASSEMBLY	
2	2	9464K114	-153 VITON ORING	VITON MCMASTER
1	1	SUMITOMO-CH-104-COLDHEAD	CH-104 COLD HEAD ASSEMBLY	
PARTS LIST				TOTAL WEIGHT 72.16 LBS

QUALITY VERIFICATION		DIMENSIONS ARE IN INCH		APPROVALS		THIS DRAWING IS THE PROPERTY OF	
DOCUMENTS REQUIRED	APPLICABLE	DRAFTING STANDARD: ASME Y14.100	DESIGNER: J WENZEL	DATE: 8/16/17	OTM OAK RIDGE NATIONAL LABORATORY		
MATERIAL MILL TEST REPORT		DIMENSIONING AND TOLERANCING IN ACCORDANCE WITH ASME Y14.5M-2009	CHECKER: J WENZEL	DATE: 8/16/17	DEPARTMENT OF ENERGY UNDER U.S. GOVERNMENT CONTRACT DE-AC05-00OR22725		
LEAK TEST REPORT		DO NOT SCALE DRAWING	ENGINEER:	DATE:	NEUTRON SCIENCES		
CLEANING CERT		DEFAULT TOLERANCES	TECH LEAD:	DATE:	BL4A SAMPLE ENVIRONMENT		
WELD / BRAZE INSPECTION REPORT		L INEAR ANGLUAR	GROUP LEAD:	DATE:	PRESSURE CELL CCR		
HEAT TREAT REPORT (W/CHART)		X.XX ±.01 ±.5°	CHIEF ENGR:	DATE:	CCR ASSEMBLY		
DIMENSIONAL REPORT		X.XXX ±.005	VERIFIER:	DATE:	SIZE: 1/2	DRAWING NUMBER: 107030510-MBU-8700-B549	REV: 1
MATERIAL SELLER CERT		REMOVE ALL BURRS AND BREAK SHARP EDGES: .060	CONTROL SYSTEM:	DATE:	SCALE: 1/2	CAD MODEL: 107030510-MBU-8700-B549	MODEL REV SHEET: 1 of 1
FUNCTIONAL TEST REPORT		SURFACE ROUGHNESS: 125 RMS MAX	SNS PROCEDURE:	DATE:	THIS DRAWING PREPARED ON PRO/ENGINEER		
DEVIATION REQUEST		THIRD ANGLE PROJECTION	4	DATE:			
NONCONFORMANCE REPORT			NFD-ENG-001	DATE:			
DA REP:	DATE:			DATE:			
107030510-MBU-8700-B561				DATE:			
NEXT USED ASSEMBLIES				DATE:			