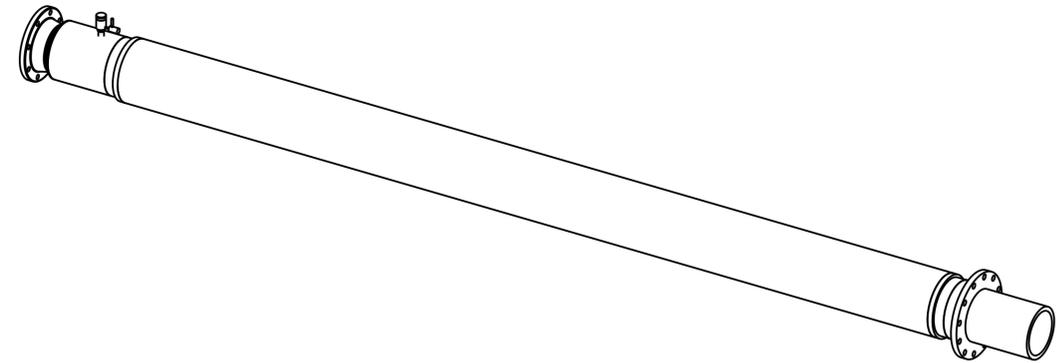


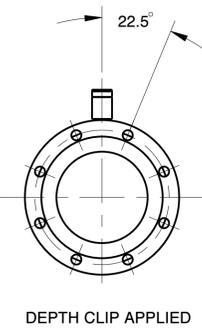
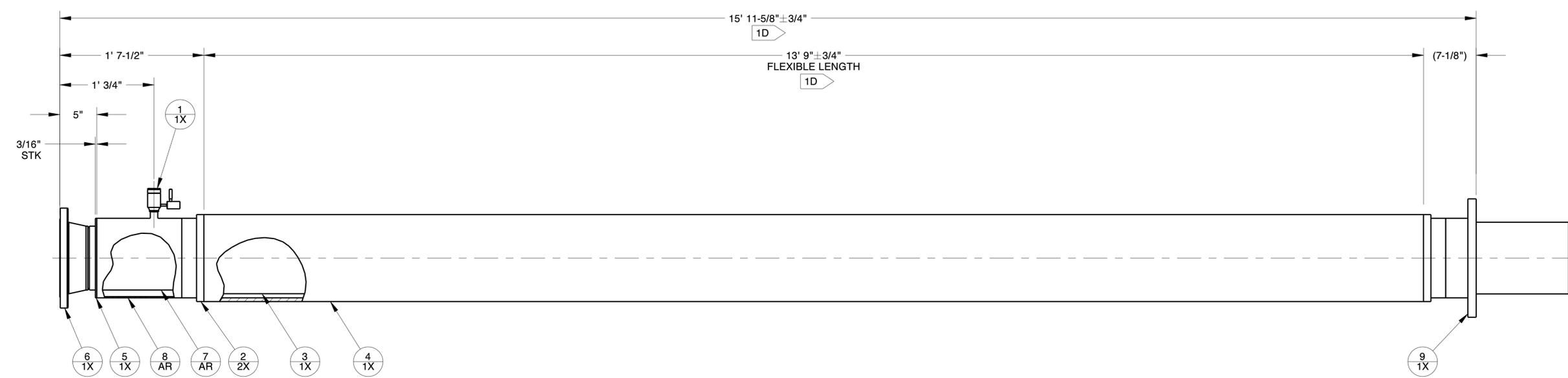
NOTICE: WHEN GOVERNMENT DRAWINGS, SPECIFICATIONS, OR OTHER DATA ARE USED FOR ANY PURPOSE OTHER THAN IN CONNECTION WITH A DEFINITELY RELATED GOVERNMENT PROCUREMENT OPERATION, THE UNITED STATES GOVERNMENT THEREBY INCURS NO RESPONSIBILITY NOR OBLIGATION WHATSOEVER AND THE FACT THAT THE GOVERNMENT MAY HAVE FORMULATED, FURNISHED, OR IN ANY WAY SUPPLIED THE SAID DRAWINGS, SPECIFICATIONS OR OTHER DATA IS NOT TO BE REGARDED BY IMPLICATION OR OTHERWISE AS IN ANY MANNER LICENSING THE HOLDER, OR ANY OTHER PERSON OR CORPORATION, OR CONVEYING ANY RIGHTS OR PERMISSION TO MANUFACTURE, USE, OR SELL ANY PATENTED INVENTION THAT MAY IN ANY WAY BE RELATED THERETO.

EAR 99 - NO LICENSE REQUIRED
THE INFORMATION CONTAINED IN THIS DOCUMENT IS TECHNICAL IN CONTENT, BUT NOT TECHNICAL DATA AS DEFINED BY THE INTERNATIONAL TRAFFIC IN ARMS REGULATIONS (ITAR) OR THE EXPORT ADMINISTRATION REGULATIONS (EAR), AND THEREFORE IS EAR 99 NLR, NO EXPORT LICENSE REQUIRED. (GENERAL PROHIBITION SIX (EMBARGO) APPLIES TO ALL ITEMS SUBJECT TO THE EAR, I.E. ITEMS ON THE CCL AND WITHIN EAR 99 NLR). YOU MAY NOT MAKE AN EXPORT OR RE-EXPORT CONTRARY TO THE PROVISIONS OF PART 766 (EMBARGOS AND OTHER SPECIAL CONTROLS) OF THE EAR AND 22 CFR PART 126.1 OF THE ITAR).
REFERENCE EODR 131927
NASA KSC EXPORT CONTROL OFFICE - 321-867-9209

- NOTES:**
- GENERAL**
- 1A. THIS DRAWING PROVIDES THE PHYSICAL DIMENSIONS AND PARTS LIST FOR PIPE SPOOL ASSEMBLY. REFER TO PROCUREMENT SPECIFICATION K0000190546-SPC FOR TECHNICAL, FABRICATION, TEST AND INSPECTION REQUIREMENTS.
 - 1B. FLEX HOSE REFERENCE DESIGNATOR NUMBER IS 2035.
 - 1C. REMOVE SCALE AND BURRS AND BREAK SHARP CORNERS AND EDGES.
 - 1D. INDICATED DIMENSIONS ARE AS MEASURED UNDER THE CONDITIONS SPECIFIED IN K0000190546-SPC. PARAGRAPH 4.2.1.2.



ISOMETRIC
SCALE .062



QTY	ZONE	FIND NO OR ITEM NO	MFR CODE	PART OR STOCK NO	DESCRIPTION
1	9	22264	KT00389-08D0010D00	CRYOGENIC MALE BAYONET, FLANGED, 8X10	
AR	8	22264	KT00378-10D00010S4	PIPE	
AR	7	22264	KT00378-08D00010S4	PIPE	
1	6	22264	KT00120-150SS08D00	FLANGE, WELD NECK, B16.5, CLASS 150	
1	5	22264	K000068043-P004	PLATE	
1	4	22264	K000068043-P003	FLEXIBLE HOSE, 10 INCH	
1	3	22264	K000068043-P002	FLEXIBLE HOSE, 8 INCH	
2	2	22264	K000068043-P001	PIPE TO HOSE TRANSITION, 8X10	
1	1	22264	79K14672-3	ASSEMBLY, VACUUM VALVE	

PROCUREMENT CONTROL DRAWING

CAD MAINTAINED. CHANGES SHALL BE INCORPORATED ONLY BY THE DESIGN ACTIVITY.		UNLESS OTHERWISE SPECIFIED DIM ARE IN INCHES. INTERPRET DIM AND TOL PER ASME Y14.5-2009. TOLERANCES ON:		ORIGINAL DATE OF DRAWING (YYYY/MM/DD) 2013/08/12		JOHN F. KENNEDY SPACE CENTER, NASA KENNEDY SPACE CENTER, FLORIDA	
SOFTWARE CREO PARAMETRIC 2.0		FRACTIONS ± 1/16	DECIMALS 1 PL ± .1 2 PL ± .03 3 PL ± .010	ANGLES ± 1°	DRAFTSMAN S. A. BRYANT	CHECKER J. T. POLLOCK	FLEX HOSE 8 X 10, VACUUM JACKETED LIQUID HYDROGEN FILL
FILENAME K000068043D		THIRD ANGLE PROJECTION			ENGINEER F. B. TRIMBOLI	CHECKER L. C. KAYLOR	
MATERIAL NOTED	K000084135	SLS ML			ENGINEER V. J. WARD	CHECKER L. C. KAYLOR	
HEAT TREATMENT NONE	NEXT ASSY	USED ON			ENGINEER C. T. O'CONNOR	STRESS L. C. KAYLOR	
FINAL PROTECTIVE FINISH NONE	APPLICATION		SUBMITTED T. O. ADAMS		APPROVED A. C. LITTLEFIELD		SIZE D
				SCALE .125		CAGE CODE 22264	
				UNIT WEIGHT 527.76		DWG NO K000068043	
				SHEET 1 OF 1		REV -	