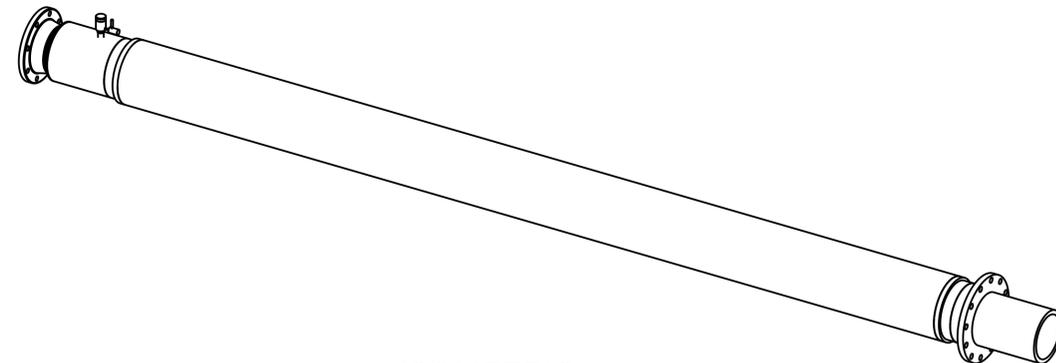


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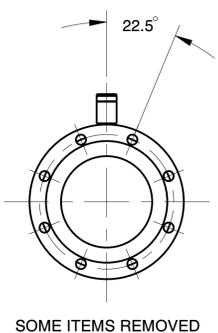
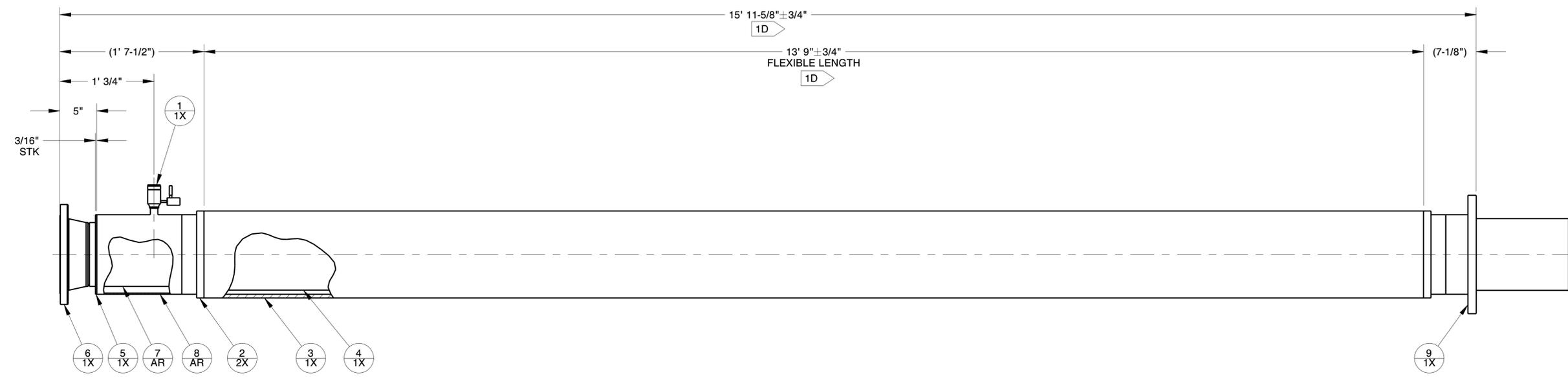
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REFERENCE EODR 131921  
NASA KSC EXPORT CONTROL OFFICE - 321-867-9209

REVISION HISTORY			
REV	DESCRIPTION	DATE	APPROVAL



ISOMETRIC  
SCALE .063

- NOTES:
- GENERAL
- 1A. THIS DRAWING PROVIDES THE PHYSICAL DIMENSIONS AND PARTS LIST FOR PIPE SPOOL ASSEMBLY. REFER TO PROCUREMENT SPECIFICATION K0000190545-SPC FOR TECHNICAL, FABRICATION, TEST AND INSPECTION REQUIREMENTS.
  - 1B. FLEX HOSE REFERENCE DESIGNATOR NUMBER IS 4050.
  - 1C. REMOVE SCALE AND BURRS AND BREAK SHARP CORNERS AND EDGES.
  - 1D INDICATED DIMENSIONS ARE AS MEASURED UNDER THE CONDITIONS SPECIFIED IN K0000190545-SPC. PARAGRAPH 4.2.1.2.



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	K0000068029-P004	PLATE	
1	4	22264	K0000068029-P003	FLEXIBLE HOSE, 8 INCH	
1	3	22264	K0000068029-P002	FLEXIBLE HOSE, 10 INCH	
2	2	22264	K0000068029-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: FRACTIONS ± 1/16 DECIMALS 1 PL ± .1 2 PL ± .03 3 PL ± .010 ANGLES ± 1°		ORIGINAL DATE OF DRAWING (YYYY/MM/DD) 2013/08/15		JOHN F. KENNEDY SPACE CENTER, NASA KENNEDY SPACE CENTER, FLORIDA	
SOFTWARE CREO PARAMETRIC 2.0	FILENAME K0000068029D	THIRD ANGLE PROJECTION		DRAFTSMAN S. A. BRYANT	CHECKER J. T. POLLOCK	FLEX HOSE 8 X 10, VACUUM JACKETED, LIQUID OXYGEN FILL	
MATERIAL NOTED	HEAT TREATMENT NONE	K0000084129	SLS ML	ENGINEER F. B. TRIMBOLI	CHECKER L. C. KAYLOR		
FINAL PROTECTIVE FINISH NONE	NEXT ASSY		USED ON	ENGINEER V. J. WARD	STRESS L. C. KAYLOR	SIZE D	CAGE CODE 22264
APPLICATION		SUBMITTED T.O. ADAMS		ENGINEER C. T. O'CONNOR		DWG NO K000068029	REV -
		APPROVED A.C. LITTLEFIELD		SCALE .125		UNIT WEIGHT 527.76	SHEET 1 OF 1