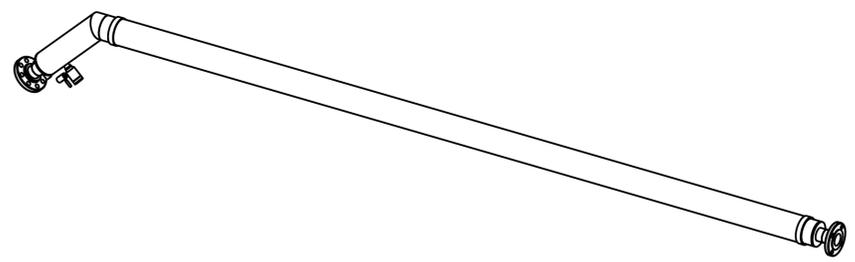


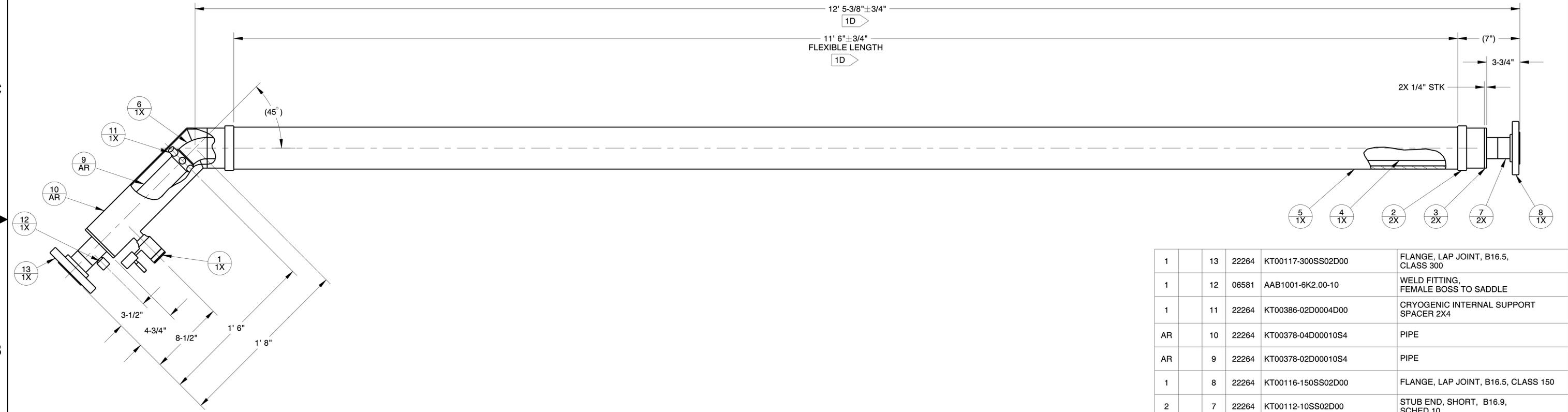
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REFERENCE EODR 131926
NASA KSC EXPORT CONTROL OFFICE - 321-867-9209

- NOTES:**
- GENERAL**
- 1A. THIS DRAWING PROVIDES THE PHYSICAL DIMENSIONS AND PARTS LIST FOR PIPE SPOOL ASSEMBLY. REFER TO PROCUREMENT SPECIFICATION K0000190545-SPC FOR TECHNICAL, FABRICATION, TEST AND INSPECTION REQUIREMENTS.
 - 1B. PIPE SPOOL REFERENCE DESIGNATOR NUMBER IS 5070.
 - 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.



ISOMETRIC
SCALE .063



QTY	ZONE	FIND NO OR ITEM NO	MFR CODE	PART OR STOCK NO	DESCRIPTION
1	13	22264	KT00117-300SS02D00	FLANGE, LAP JOINT, B16.5, CLASS 300	
1	12	06581	AAB1001-6K2.00-10	WELD FITTING, FEMALE BOSS TO SADDLE	
1	11	22264	KT00386-02D0004D00	CRYOGENIC INTERNAL SUPPORT SPACER 2X4	
AR	10	22264	KT00378-04D00010S4	PIPE	
AR	9	22264	KT00378-02D00010S4	PIPE	
1	8	22264	KT00116-150SS02D00	FLANGE, LAP JOINT, B16.5, CLASS 150	
2	7	22264	KT00112-10SS02D00	STUB END, SHORT, B16.9, SCHED 10	
1	6	22264	KT00101-10SS02D00	ELBOW, 45 DEG, LONG, B16.9, SCHED 10	
1	5	22264	K000068034-P004	FLEXIBLE HOSE, 4 INCH	
1	4	22264	K000068034-P003	FLEXIBLE HOSE, 2 INCH	
2	3	22264	K000068034-P002	PLATE	
2	2	22264	K000068034-P001	PIPE TO HOSE TRANSITION, 2X4	
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		ORIGINAL DATE OF DRAWING (YYYY/MM/DD) 2013/08/16		JOHN F. KENNEDY SPACE CENTER, NASA KENNEDY SPACE CENTER, FLORIDA	
SOFTWARE CREO PARAMETRIC 2.0	FILENAME K000068034D	THIRD ANGLE PROJECTION		DRAFTSMAN S. A. BRYANT	CHECKER J. A. STAGI	FLEX HOSE 2 X 4, VACUUM JACKETED, LIQUID OXYGEN VENT	
MATERIAL NOTED	HEAT TREATMENT NONE	K000084129	SLS ML	ENGINEER F. B. TRIMBOLI	CHECKER L. C. KAYLOR		
FINAL PROTECTIVE FINISH NONE	NEXT ASSY USED ON		APPLICATION	ENGINEER V. J. WARD	STRESS L. C. KAYLOR	SIZE D	CAGE CODE 22264
				ENGINEER C. T. O'CONNOR	STRESS L. C. KAYLOR	DWG NO K000068034	REV A
				APPROVED T. O. ADAMS	SCALE .188	UNIT WEIGHT 118.46	SHEET 1 OF 1
				APPROVED A. C. LITTLEFIELD			