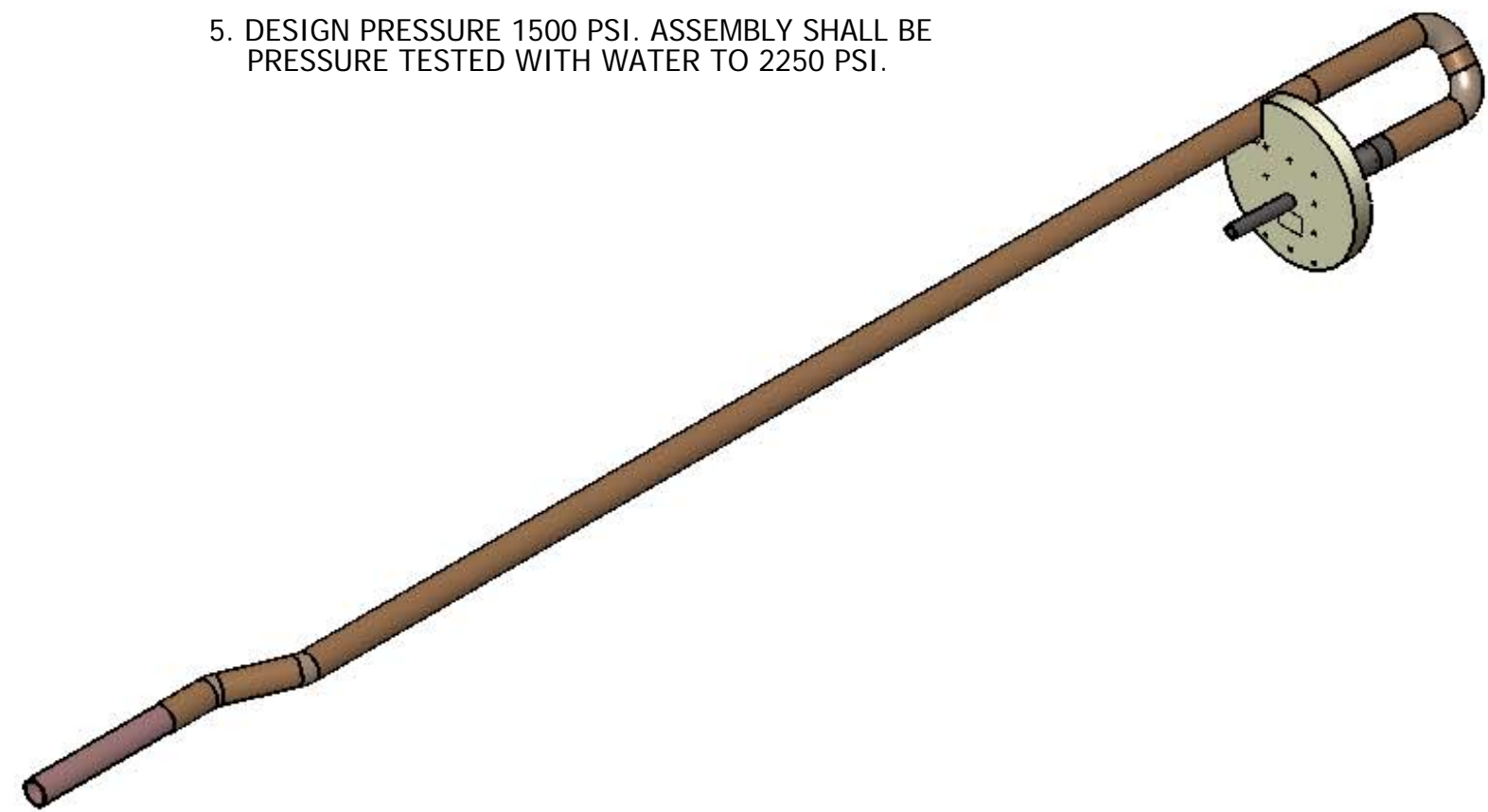
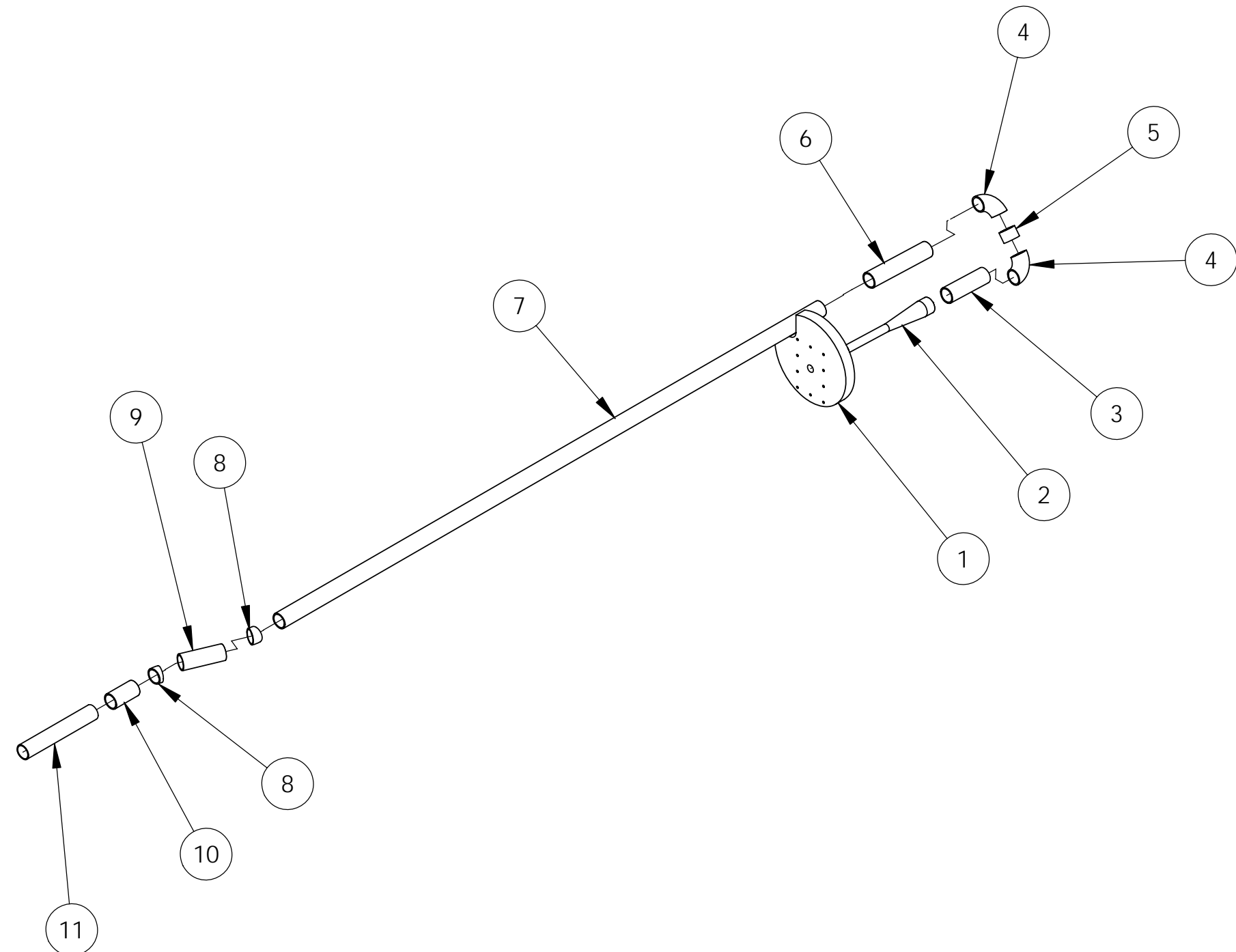


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 5. DESIGN PRESSURE 1500 PSI. ASSEMBLY SHALL BE PRESSURE TESTED WITH WATER TO 2250 PSI.

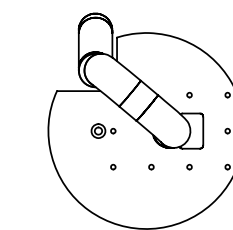
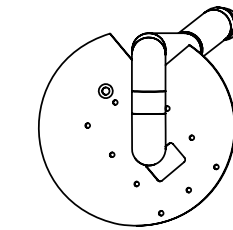
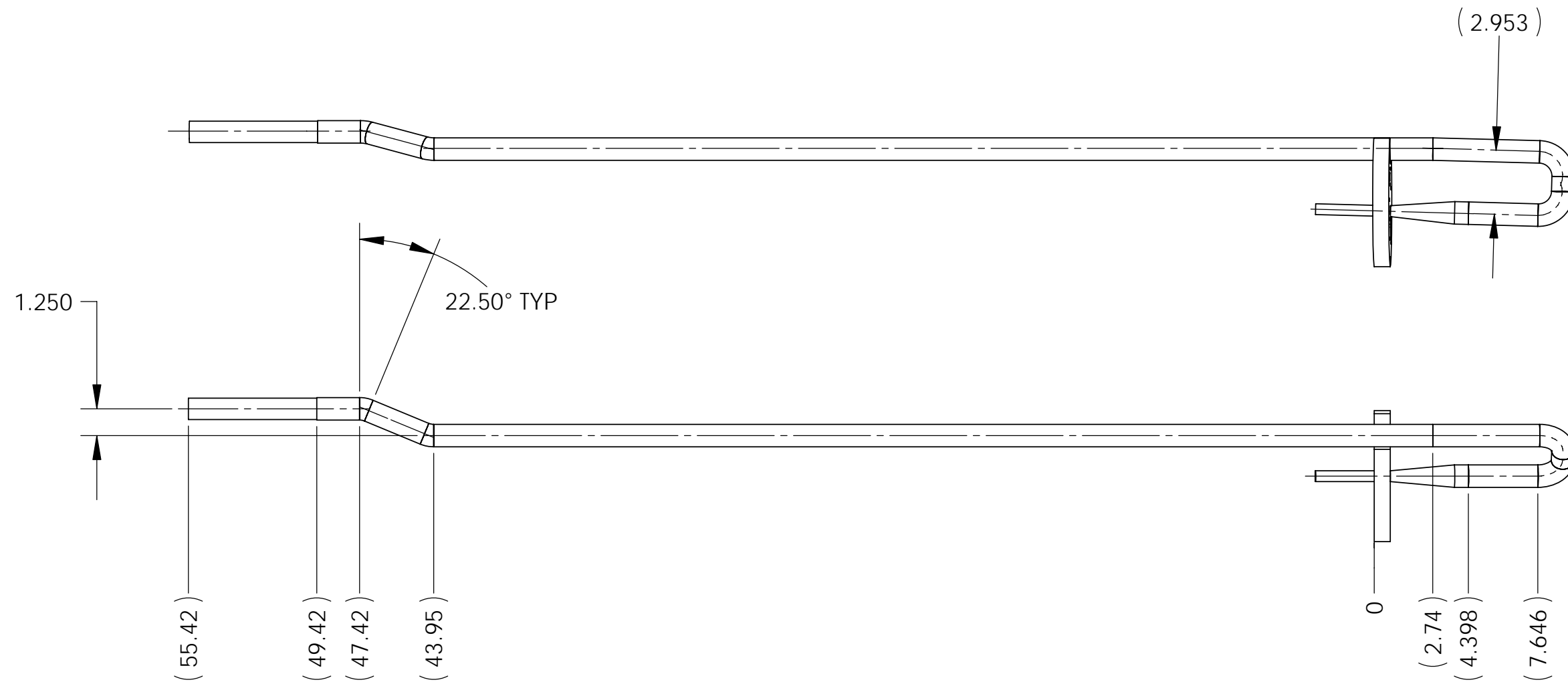


ITEM	NAME	MATERIAL	DESCRIPTION	DWG	test/QTY.
11	HG SUPPLY INLET TUBE	TI GRADE 2, ASTM B-861	RIGID SEAMLESS TUBE, 1.000 X .065 WALL X 3.500	N/A	1
10	HG SUPPLY TI PIPING	TI GRADE 2, ASTM B-861	RIGID SEAMLESS PIPE, 3/4" SCH10, 2.000 L	N/A	1
9	HG SUPPLY TI PIPING	TI GRADE 2, ASTM B-861	RIGID SEAMLESS PIPE, 3/4" SCH10, 2.819 L	N/A	1
8	HG SUPPLY TI ELBOW	TI GRADE 2, ASTM B-861	RIGID SEAMLESS ELBOW, 3/4" SCH10	N/A	2
7	HG SUPPLY TI PIPING	TI GRADE 2, ASTM B-861	RIGID SEAMLESS PIPE, 3/4" SCH10, 46.700 L	203-HJT-0629	1
6	HG SUPPLY TI PIPING	TI GRADE 2, ASTM B-861	RIGID SEAMLESS PIPE, 3/4" SCH10, 5.000 L	203-HJT-0628	1
5	HG SUPPLY TI PIPING	TI GRADE 2, ASTM B-861	RIGID SEAMLESS PIPE, 3/4" SCH10, .700 L	N/A	1
4	HG SUPPLY TI ELBOW	TI GRADE 2, ASTM B-861	RIGID SEAMLESS ELBOW, 3/4" SCH10	N/A	2
3	HG SUPPLY TI PIPING	TI GRADE 2, ASTM B-861	RIGID SEAMLESS PIPE, 3/4" SCH10, 3.250 L	N/A	1
2	HG SUPPLY REDUCER NOZZLE	TI-6AL-4V, ASTM B-265	FLOW REDUCER AND NOZZLE	203-HJT-0627	1
1	HG NOZZLE FLANGE STRAIGHT	TI-6AL-4V, ASTM B-265	NOZZLE FLANGE	203-HJT-0626	1

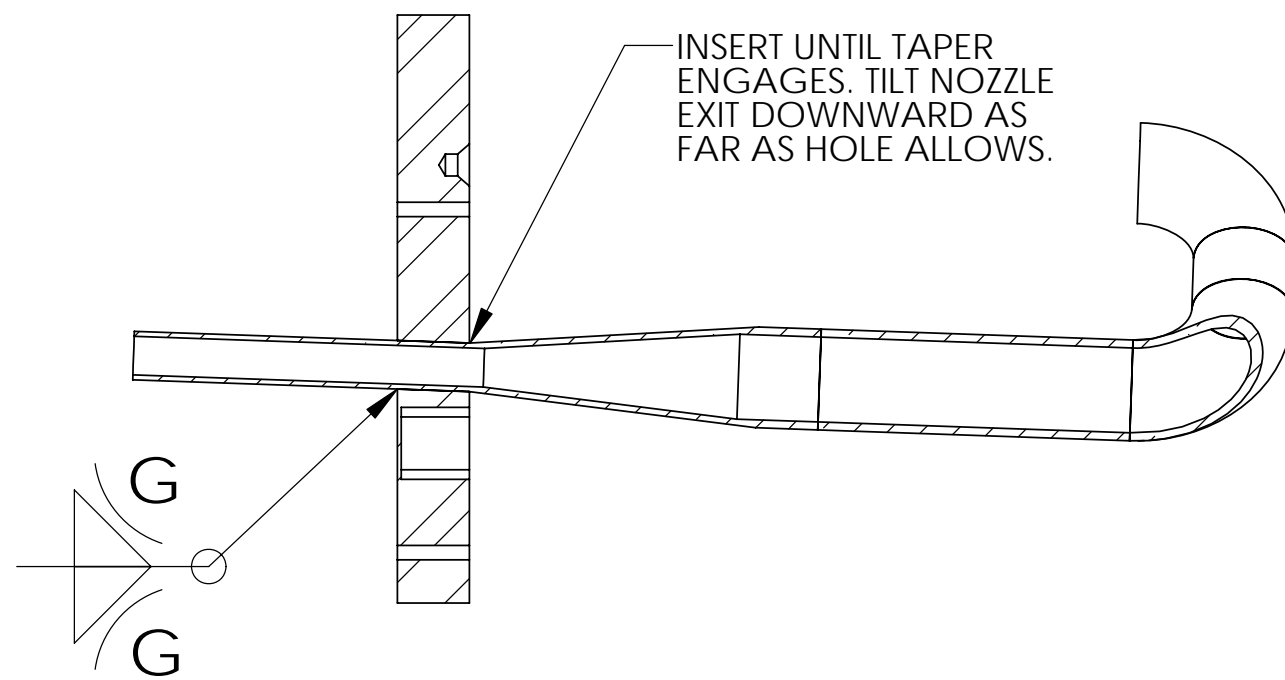
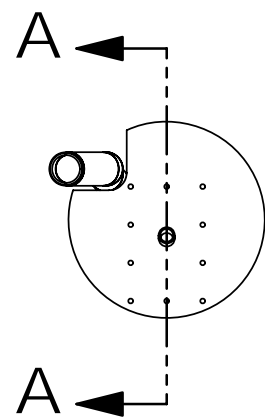
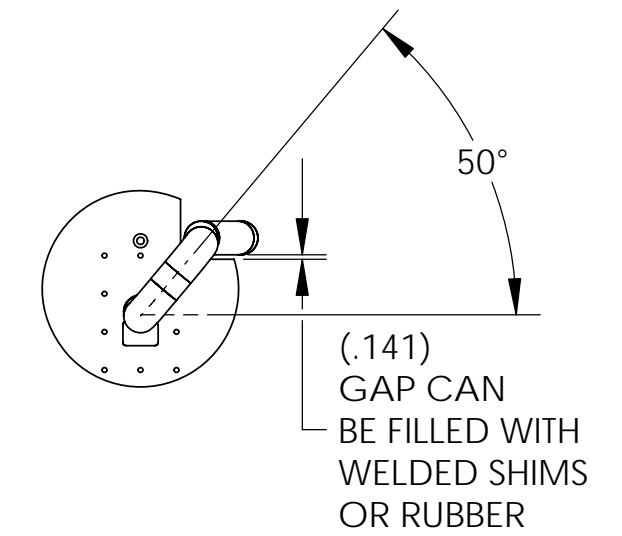
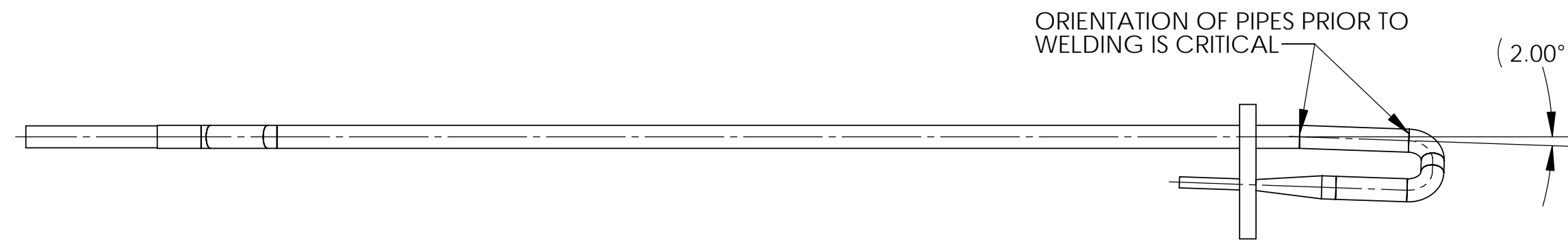
<p>THIRD-ANGLE PROJECTION</p> <p>UNLESS OTHERWISE NOTED</p> <ol style="list-style-type: none"> 1. ALL DIMENSIONS ARE IN INCHES 2. INTERPRET DIMENSIONS AND TOLERANCES PER ASME Y14.5M 3. MACHINED FINISH 125 MICRO-INCHES RMS 4. CONCENTRICITY .010 TIR 5. MACHINED ANGLES ±1/2° FORMED ANGLES ±1° 6. BREAK SHARP CORNERS AND REMOVE ALL BURRS 7. WHOLE NUMBERS AND FRACTIONS ±1/16 8. X DECIMALS ±.030 9. XX DECIMALS ±.010 10. XXX DECIMALS ±.005 	<p>This drawing was prepared by ORNL solely for use in work performed under Department of Energy contract number DE-AC05-00OR22725 and applicable Work for Others Agreements and Cooperative Research and Development Agreements. This drawing is property of ORNL and must be returned upon request.</p>		<p>OAK RIDGE NATIONAL LABORATORY operated for the U.S. Department of Energy under contract DE-AC05-00OR22725 Oak Ridge, TN</p>		
	<p>REMOTE SYSTEMS GROUP NUCLEAR SCIENCE & TECHNOLOGY DIVISION</p>		<p>MERIT EXPERIMENT PRIMARY TUBE ASSEMBLY HG STRAIGHT NOZZLE ASSY</p>		
<p>CAD FILE HG STRAIGHT NOZZLE ASSY</p>		<p>PREV ASSY 203-HJT-0610</p>		<p>SCALE 1:6</p>	<p>SHEET 1 of 2</p>
<p>SIZE C</p>		<p>DWG NO. 203-HJT-0625</p>		<p>REV 0</p>	
<p>DRAWING APPROVALS</p>		<p>DATE</p>			

REV	DESCRIPTION	DATE	BY	APPROVED
0	ORIGINAL ISSUE	12/14/2006	VBG	VBG

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ORIENTATION OF PIPES PRIOR TO WELDING IS CRITICAL



SECTION A-A
SCALE 1 : 2

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DES	V GRAVES	12/08/2006	<p align="center">MERIT EXPERIMENT PRIMARY TUBE ASSEMBLY HG STRAIGHT NOZZLE ASSY</p>			
DRW	V GRAVES	12/08/2006				
CHK	W SANDS	12/12/2006				
ENG	V GRAVES	12/08/2006				
QA			CAD FILE HG STRAIGHT NOZZLE ASSY	PREV ASSY 203-HJT-0610	SCALE 1:6	SHEET 2 of 2
DRAWING APPROVALS		DATE	SIZE C	DWG NO. 203-HJT-0625	REV 0	