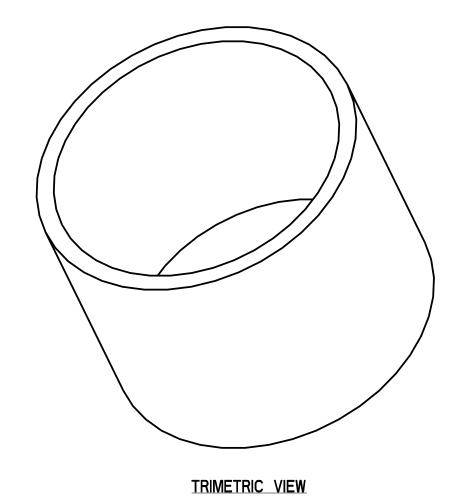
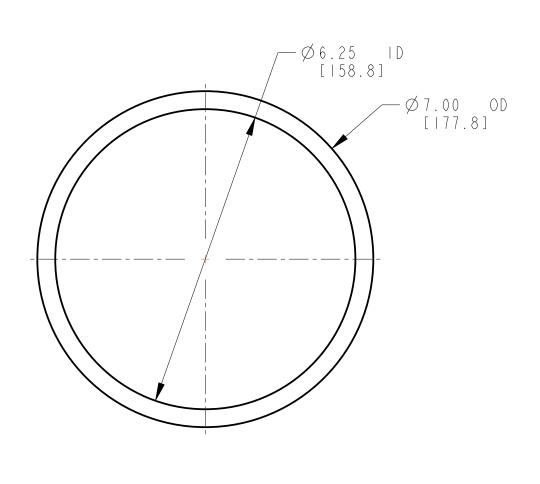
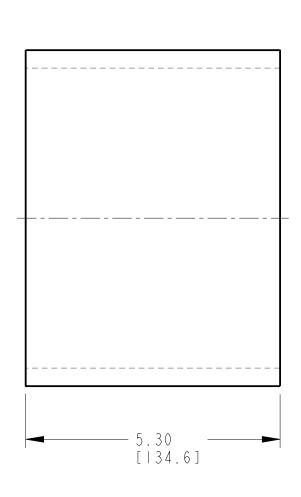


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SCALE 1:2





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6

BILL OF MAT LIST ^{DATE} 25 - Jan - 08 UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN INCHES TOLERANCES M. GIVENS Argonne <u>DECIMALS</u> <u>ANGULAR</u> SPRUNG . X ± . I . XX ± . 03 . XXX ± . 010 ± 0.5° WBS DESCRIPTOR 25-Jan-08 SURFACE ROUGHNESS 125/ RESPONSIBLE ENGINEER: REMOVE ALL BURRS AND BREAK SHARP EDGES .03 MAX. SURFACE TEXTURE IN ACCORDANCE DEN HARTOG WITH LATEST ASME B46.1-2002 DIMENSIONING AND TOLERANCING IN CORDANCE WITH LATEST ASME Y14,5M-1994

WIP

6061-T6

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SCIENTIFIC USER FACILITY ADVANCED PHOTON SOURCE

X-RAY SCIENCE DIVISION USER BEAMLINE DOCUMENTATION USER BEAMLINES ID 8 SHUTTER SUPPORT WELDMENT

TUBE

4308-511003

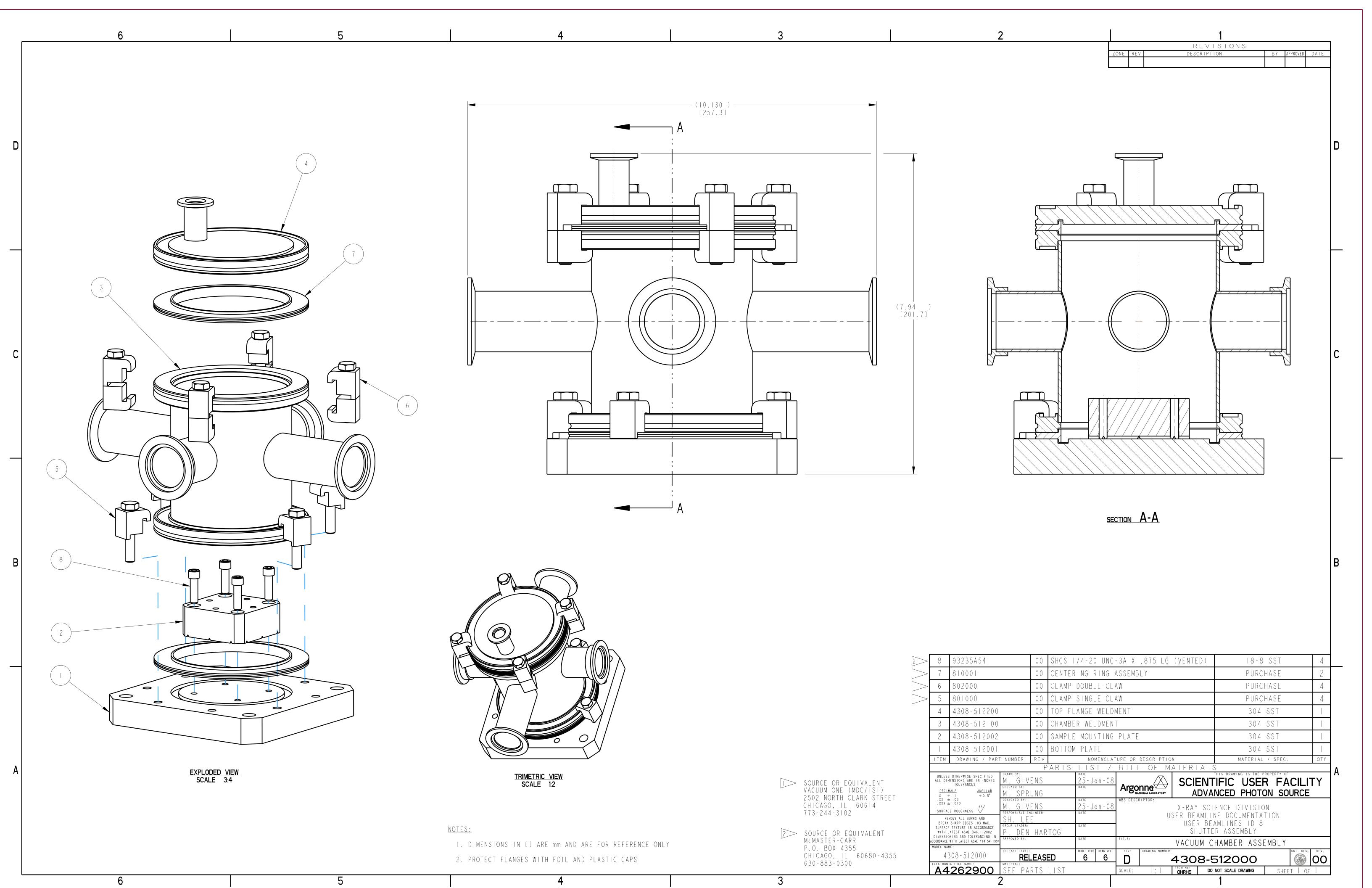
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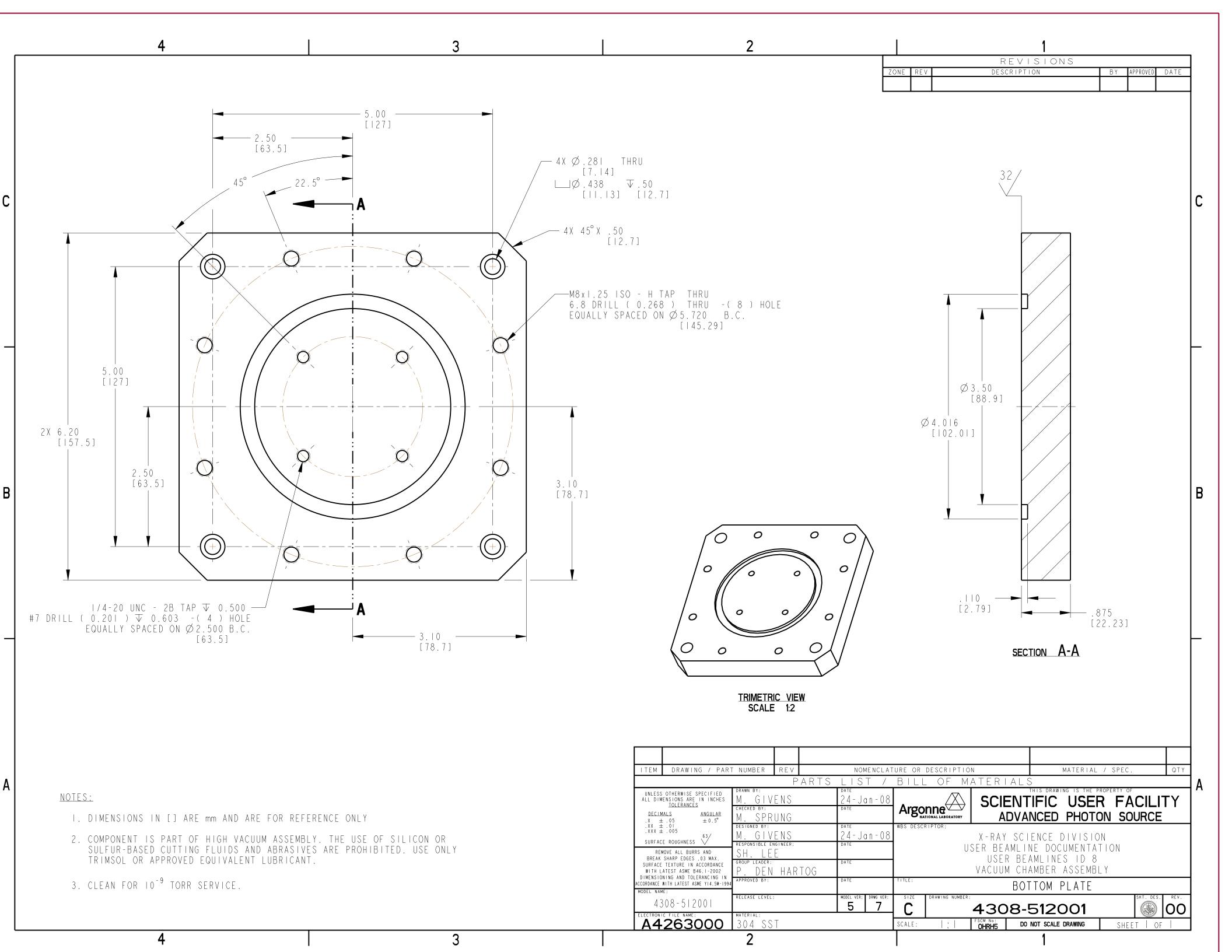
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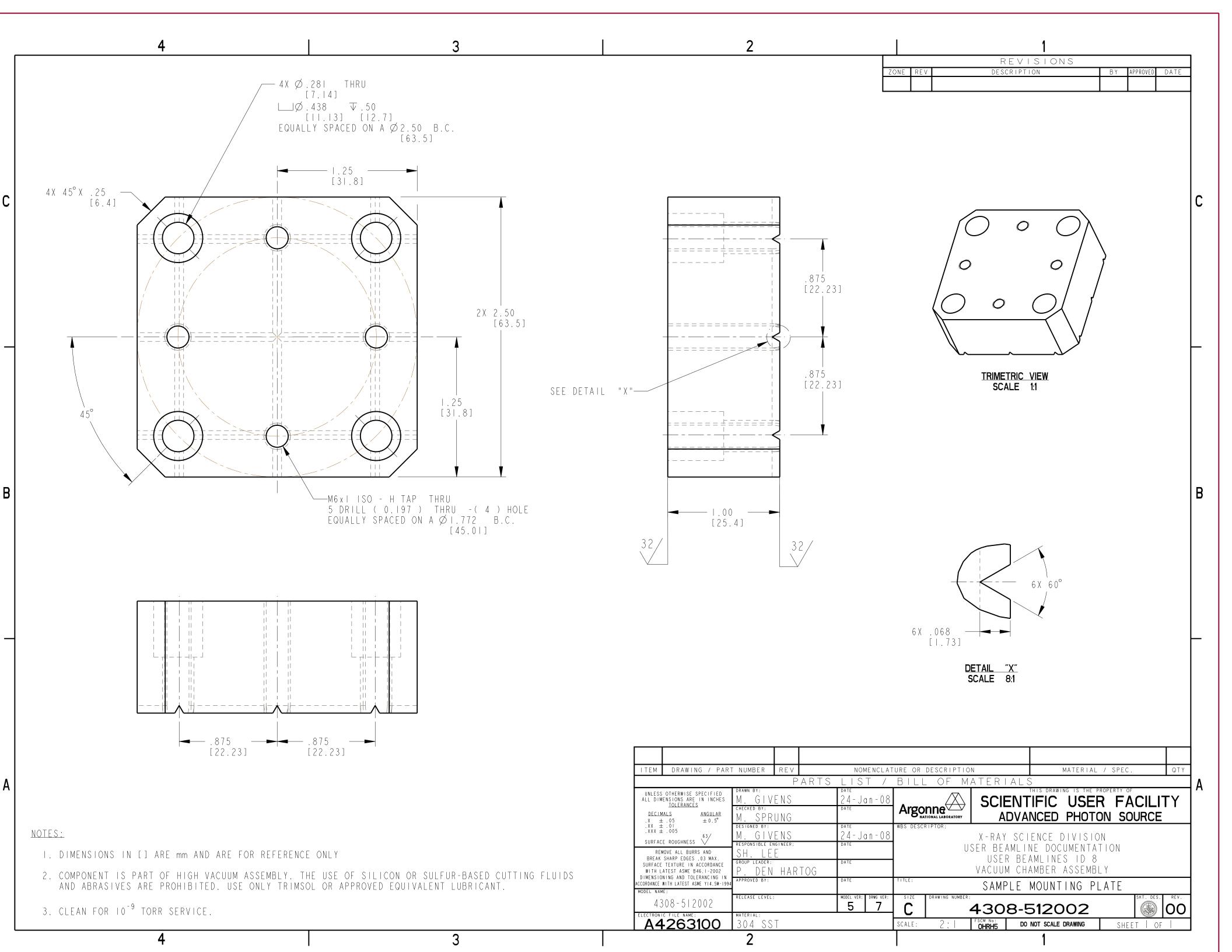
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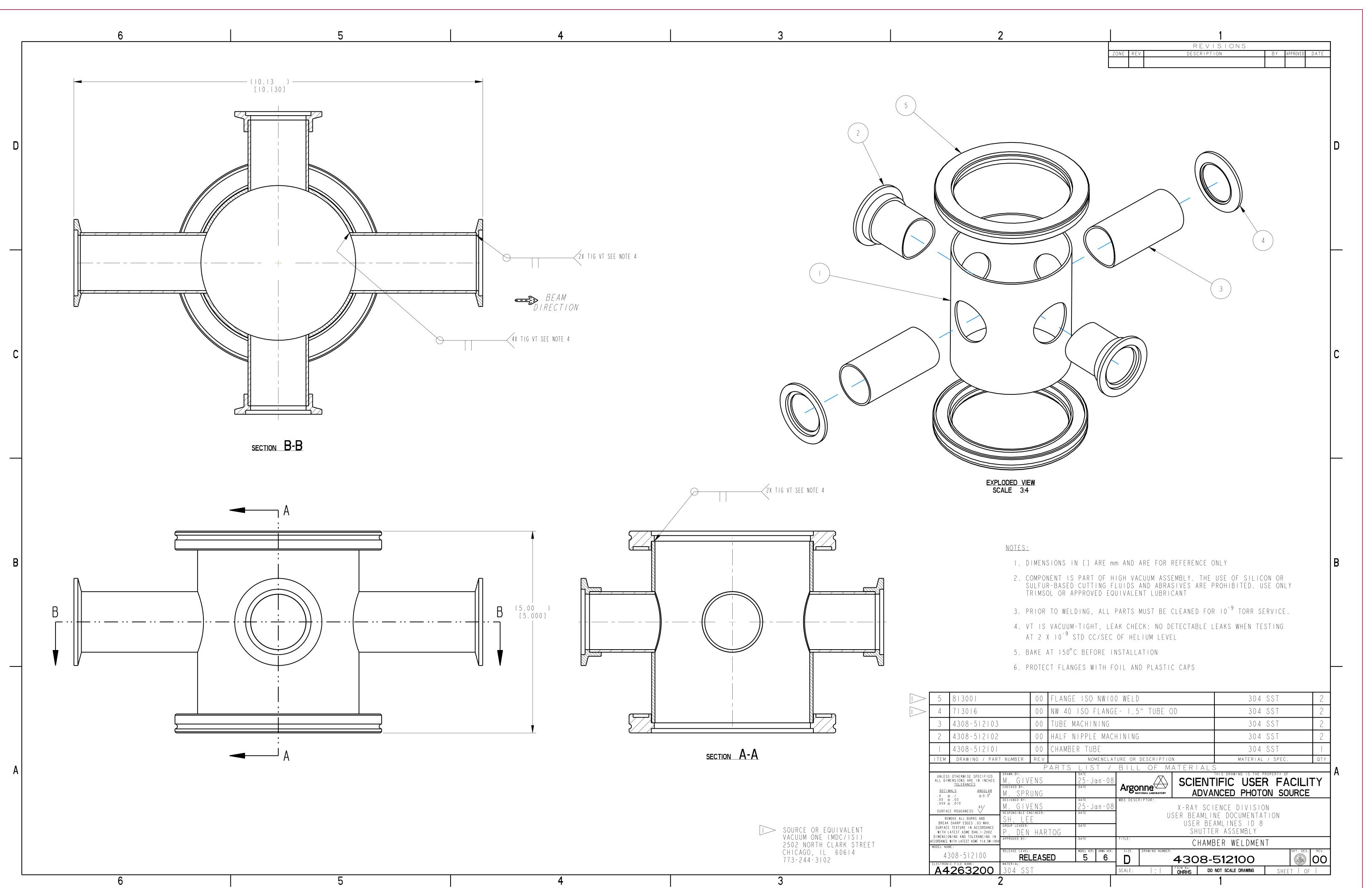
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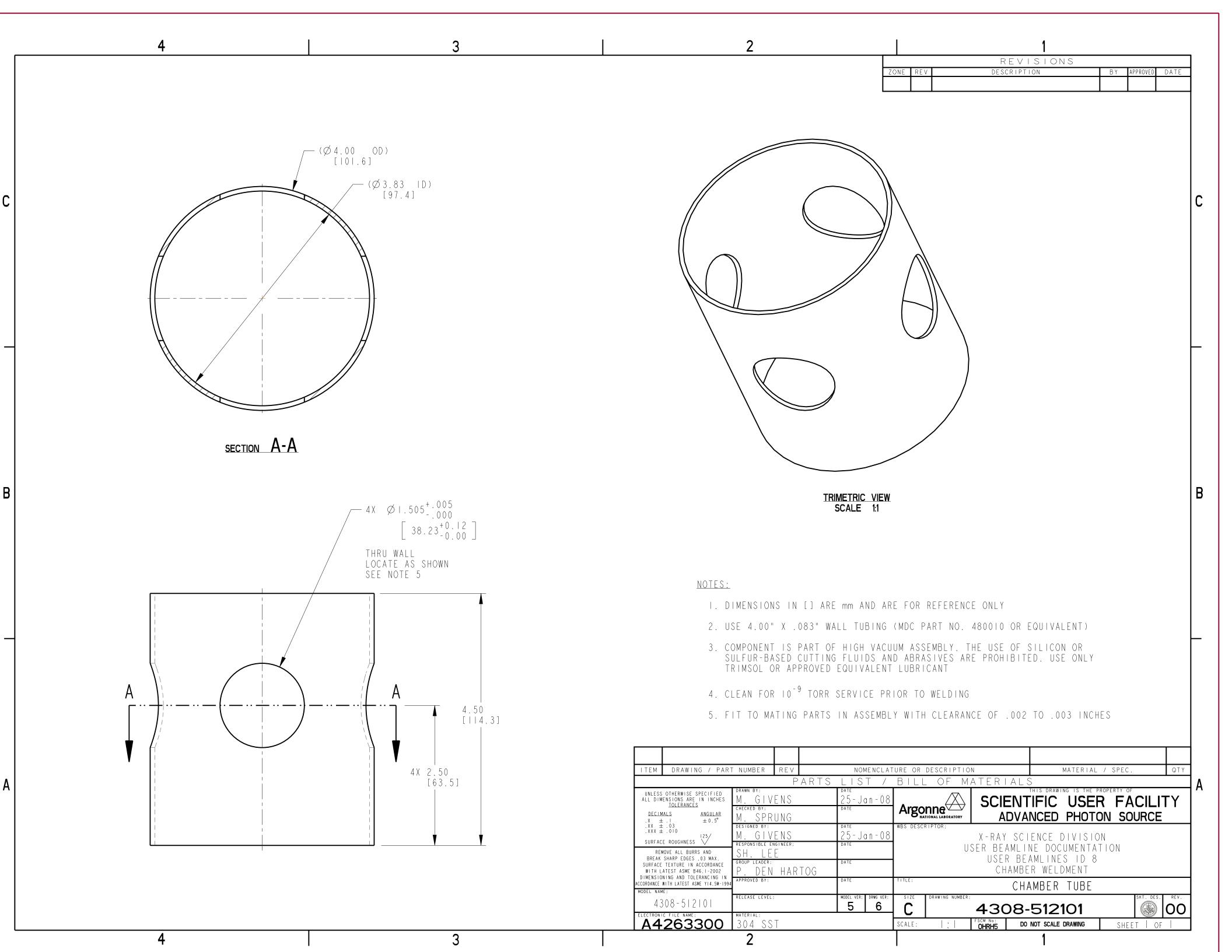
DIMENSIONS IN [] ARE mm AND ARE FOR REFERENCE ONLY



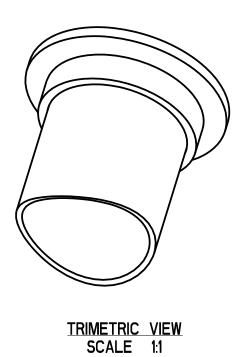


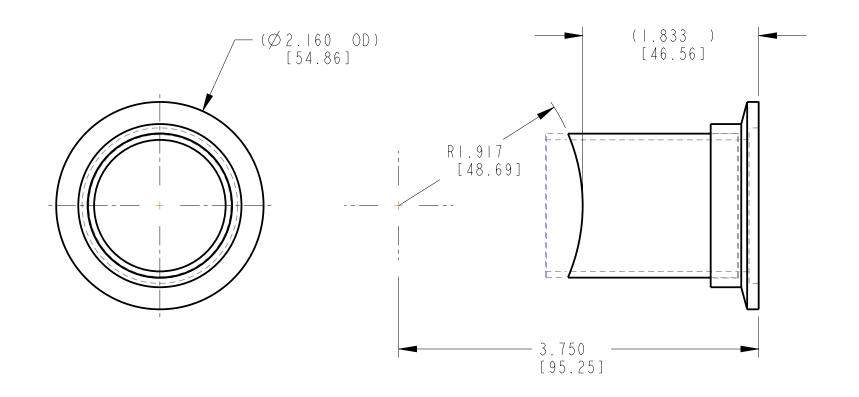


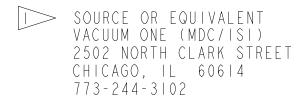




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ZONE	REV	DESCRIPTION	ВҮ	APPROVED	DATE





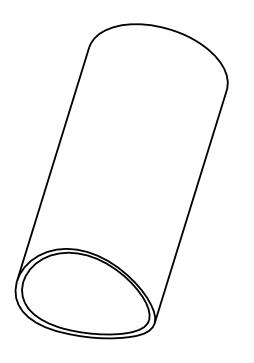


<u>NOTES:</u>

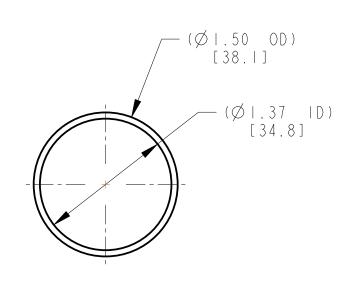
- I. DIMENSIONS IN [] ARE mm AND ARE FOR REFERENCE ONLY
- 2. COMPONENT IS PART OF A HIGH VACUUM ASSEMBLY THE USE OF SILICON OR SULFUR-BASED CUTTING FLUIDS AND ABRASIVES ARE PROHIBITED, USE ONLY TRIMSOL OR APPROVED EQUIVALENT LUBRICANT

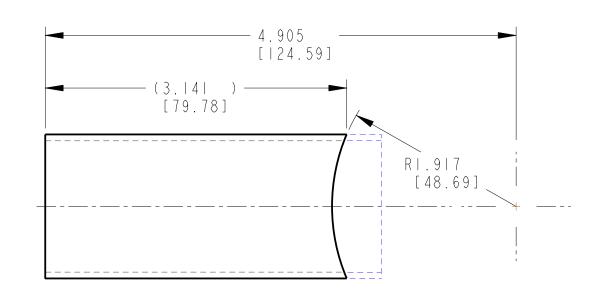
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>		720003		00	HALF N	F NIPPLE, NW40, I.5" O.D. TUBE							
	ITEM	DRAWING / PART	NUMBER	REV		NOMEN	CLATI	JRE OR DESCRIPTIO	N		MATERIAL	QTY	
		_		Р	ARTS	LIST	BILL OF MA	ATERI	IALS				
	UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN INCHES TOLERANCES DECIMALS ANGULAR .X ± .1 ± 0.5° .XX ± .03 .XXX ± .010 SURFACE ROUGHNESS REMOVE ALL BURRS AND BREAK SHARP EDGES .03 MAX. SURFACE TEXTURE IN ACCORDANCE WITH LATEST ASME B46.1-2002 DIMENSIONING AND TOLERANCING IN ACCORDANCE WITH LATEST ASME B46.1-2002 MODEL NAME:		DNS ARE IN INCHES M. GIVENS CHECKED BY: ANGULAR AN CODULNIC			DATE 25-Jan-	- 08	Argonne		ITME		R FACILION SOURCE	ГΥ
			DESIGNED BY: M. GIVENS RESPONSIBLE ENGINEER:			DATE 25 - Jan -		WBS DESCRIPTOR: X-RAY SCIENCE DIVISION USER BEAMLINE DOCUMENTATION					
			SH. LE GROUP LEADER: P. DEN	<u>E</u> HAR	TOG	DATE			USEF	r beai	MLINES ID 8 R WELDMENT	1101	
L			APPROVED BY:			DATE		TITLE:	HALF	NIP	PLE MACHIN	NING	
	, ,	308-512102		EAS	ED		5 VER:	SIZE DRAWING NUMBER:		8-5	512102	SKT. DES.	OO
		A4263400 MATERIAL:						SCALE: :	FSCM No: OHRH5	DO NO	OT SCALE DRAWING	SHEET OF	

		REVISIONS			
ZONE	REV	DESCRIPTION	ΒY	APPROVED	DATE



TRIMETRIC VIEW
SCALE 1:1





NOTES:

- I. DIMENSIONS IN [] ARE mm AND ARE FOR REFERENCE ONLY
- 2. USE 1.50" OD X .065" WALL TUBING (MDC PART NO. 480006 OR EQUIVALENT)
- 3. COMPONENT IS PART OF HIGH VACUUM ASSEMBLY. THE USE OF SILICON OR SULFUR-BASED CUTTING FLUIDS AND ABRASIVES ARE PROHIBITED, USE ONLY TRIMSOL OR APPROVED EQUIVALENT LUBRICANT
- 4. CLEAN FOR 10⁻⁹ TORR SERVICE PRIOR TO WELDING

ITEM	DRAWING / PART	NUMBER	REV	NOME NC LA	TURE OR	DESCRIPTIO	NC		MATERIAL	/ SPEC.	QTY
			Р	ARTS LIST /	BILL	_ OF M	1ATER I	IALS			
UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN INCHES TOLERANCES DECIMALS ANGULAR		DRAWN BY: M. G V E N S CHECKED BY:		25 - Jan - 08 Date					RFACILI		
.XX ± .XXX ±	± .1 ± 0.5° ± .03 ± .010	M. SPR DESIGNED BY: M. GIV	<u>ens</u>	рате 25 - Jan - 08	WBS DESCR	TIONAL LABORATORY		SCIENCE			
REN BREAK	E ROUGHNESS MOVE ALL BURRS AND SHARP EDGES .03 MAX. TEXTURE IN ACCORDANCE	RESPONSIBLE EN SH. LE	E	DATE		U	USEI	AMLINE DO R BEAMLIN	NES ID 8	ΓΙΟΝ	
DIMENSIO	LATEST ASME B46.I-2002 ONING AND TOLERANCING IN WITH LATEST ASME YI4.5M-1994	P. DEN	HAR	TOG	TITLE;			TUBE MA			
43	308-512103	RELEASE LEVEL: MODEL VER: DRWG MATERIAL:			B	DRAWING NUMBER		8-512	2103	SKT. DES.	OO
A4	263500	304 SS	Τ		SCALE:		FSCM No: OHRH5	DO NOT SCA	LE DRAWING	SHEET OF	-

