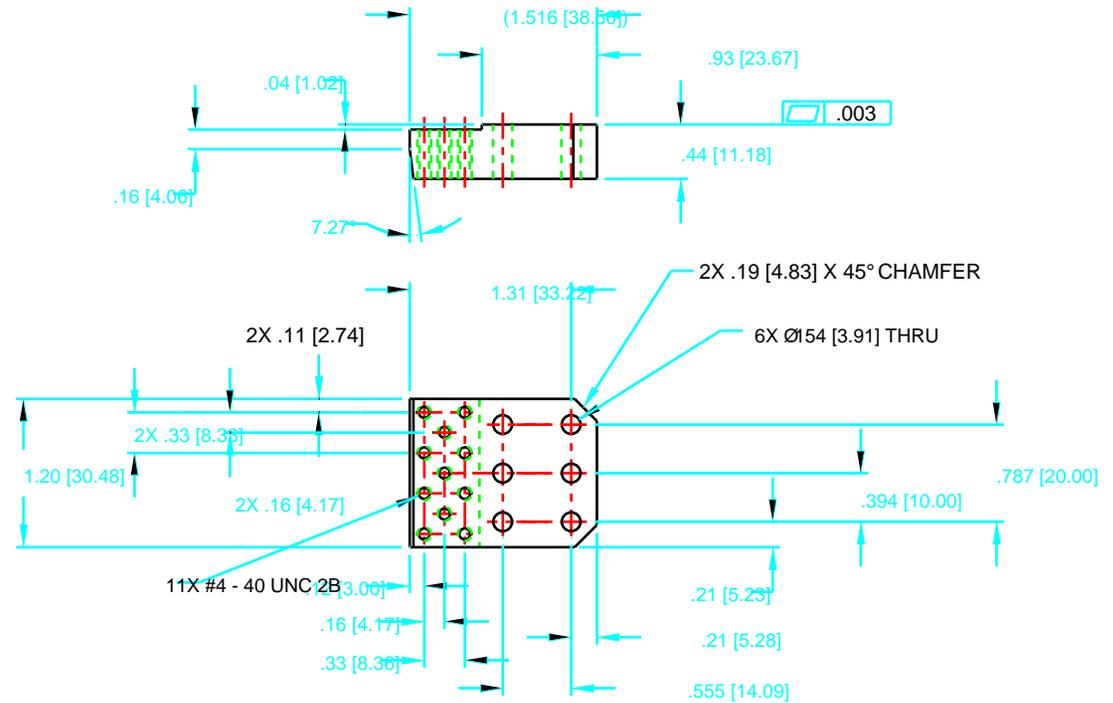


NOTES:

1. THIS IS A ULTRA- HIGH VACUUM COMPONENT (UHV)
2. WHEN MACHINING VACUUM PARTS, USE OF SILICONE AND SULPHUR-BASED CUTTING FLUIDS IS PROHIBITED. USE ONE OF THE FOLLOWING:
 - A) CIMCOOL 5 STAR 49
 - B) TRIM SOL
3. FINISHING: WHEN MACHINING VACUUM PARTS USE OF ABRASIVE PAPER OR SANDING DISCS, BUFFING OR POLISHING COMPOUNDS, OR RESIN-BONDED GRINDING WHEELS IS PROHIBITED
4. CLEANING: THE COMPONENT MUST BE CLEANED SUCH THAT A UHV PRESSURE OF 1×10^{-9} TORR CAN BE ACHIEVED
5. HANDLING: THE COMPONENTS SHALL BE HANDLED WITH WHITE SILK GLOVES AND WRAPPED WITH ALUMINUM FOIL. TYPE DRY ANNEAL AND UNDER CLEAN ROOM CONDITIONS
6. DIMENSIONS IN [] ARE MILLIMETERS AND FOR REF. ONLY
7. DIMENSIONS IN () ARE FOR REF. ONLY



SYM	CHANGE DESCRIPTION	BY	CHKD	DATE
REVISIONS				

ITEM	DWG/PART NUMBER	NOMENCLATURE OR DESCRIPTION	MATERIAL / SPEC	QTY																							
PARTS LIST																											
UNLESS OTHERWISE SPECIFIED: ALL DIMENSIONS ARE IN INCHES		LOG NUMBER W1740004-00	THIS DRAWING IS THE PROPERTY OF ARGONNE NATIONAL LABORATORY																								
<table border="0"> <tr> <td><u>DECIMALS</u></td> <td><u>ANGULAR</u></td> </tr> <tr> <td>.X - .1 [2.5]</td> <td>- 0°30'</td> </tr> <tr> <td>.XX - .01 [0.25]</td> <td></td> </tr> <tr> <td>.XXX - .005 [0.13]</td> <td></td> </tr> </table>		<u>DECIMALS</u>	<u>ANGULAR</u>	.X - .1 [2.5]	- 0°30'	.XX - .01 [0.25]		.XXX - .005 [0.13]		<table border="0"> <tr> <td>DRAWN BY MUSCIA</td> <td>DATE 4/17/00</td> <td>CHIEF DESIGN ENGINEER D. SHU</td> <td>DATE</td> </tr> <tr> <td>CHECKED BY D. SHU</td> <td>DATE</td> <td>GP LEADER P. DEN HARTOG</td> <td>DATE</td> </tr> <tr> <td>DESIGNER SHU/MUSCIA</td> <td>DATE 4/17/00</td> <td>PROJECT MGR.</td> <td>DATE</td> </tr> <tr> <td>RESPONSIBLE ENGINEER D. SHU</td> <td>DATE</td> <td>APPROVED/RELEASED</td> <td>DATE</td> </tr> </table>	DRAWN BY MUSCIA	DATE 4/17/00	CHIEF DESIGN ENGINEER D. SHU	DATE	CHECKED BY D. SHU	DATE	GP LEADER P. DEN HARTOG	DATE	DESIGNER SHU/MUSCIA	DATE 4/17/00	PROJECT MGR.	DATE	RESPONSIBLE ENGINEER D. SHU	DATE	APPROVED/RELEASED	DATE	TITLE ADVANCED PHOTON SOURCE W1-74 MONO/WHITE BEAM WINDOW FOR 4-ID-B FILTER CLAMP
<u>DECIMALS</u>	<u>ANGULAR</u>																										
.X - .1 [2.5]	- 0°30'																										
.XX - .01 [0.25]																											
.XXX - .005 [0.13]																											
DRAWN BY MUSCIA	DATE 4/17/00	CHIEF DESIGN ENGINEER D. SHU	DATE																								
CHECKED BY D. SHU	DATE	GP LEADER P. DEN HARTOG	DATE																								
DESIGNER SHU/MUSCIA	DATE 4/17/00	PROJECT MGR.	DATE																								
RESPONSIBLE ENGINEER D. SHU	DATE	APPROVED/RELEASED	DATE																								
SURFACE ROUGHNESS $125 \checkmark$		MATERIAL 304 STAINLESS STEEL		SCALE 1:1																							
REMOVE ALL BURRS AND BREAK SHARP EDGES .03 MAX.		DRAWING NUMBER		SIZE B																							
SURFACE TEXTURE TO BE IN ACCORDANCE WITH LATEST ANSI B46.1		SHEET 14		W1-740004-00																							
DIMENSIONING & TOLERANCING IN ACCORDANCE WITH LATEST ANSI Y14.5		DO NOT SCALE DRAWING																									