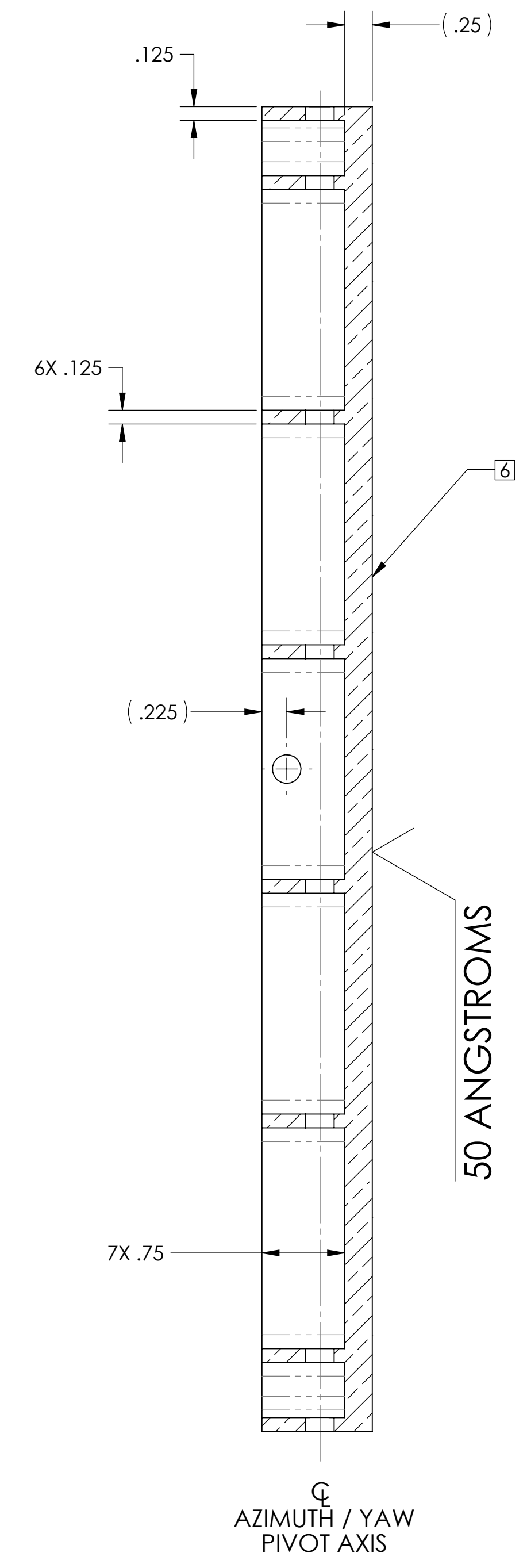
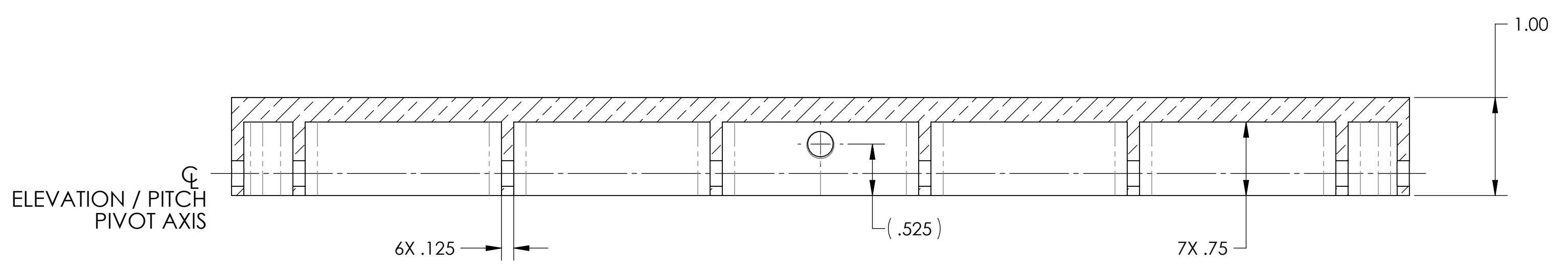
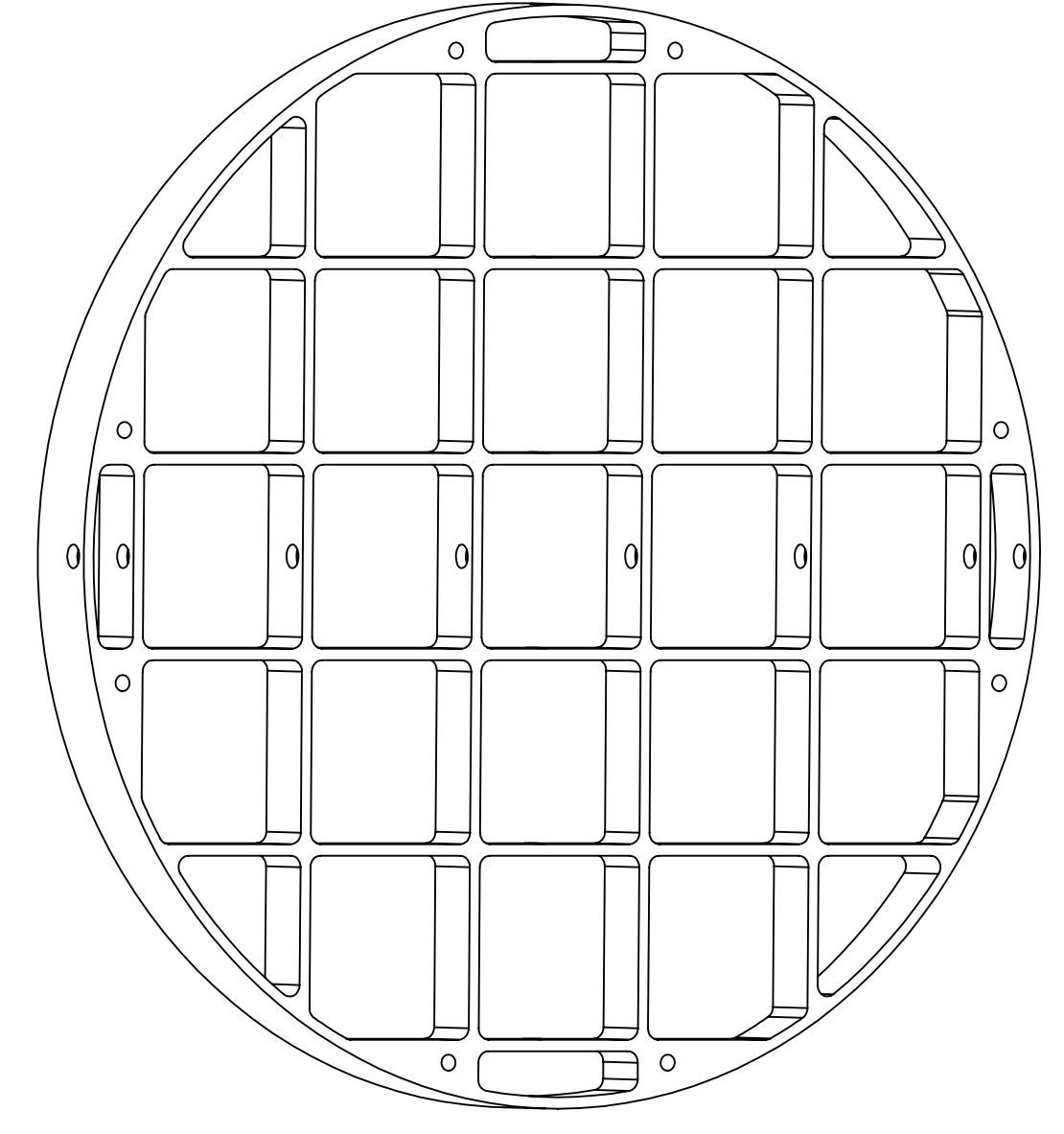
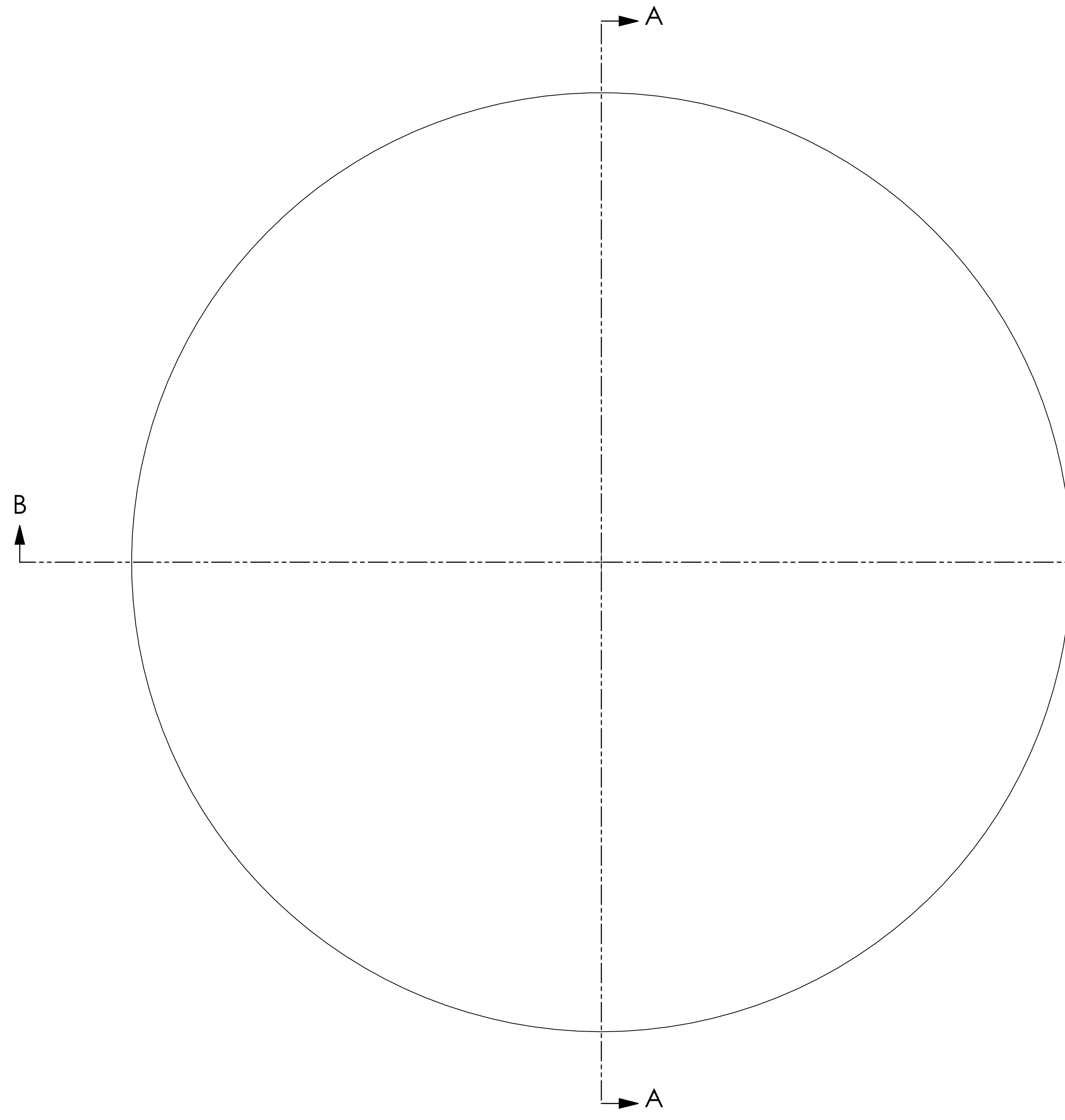


- NOTES CONTINUED:**
- 5. SCRIBE, ENGRAVE, OR MECHANICALLY STAMP (NO INKS OR DYES) DRAWING PART NUMBER, REVISION (AND VARIANT OR "TYPE" IF APPLICABLE) ON NOTED SURFACE OF PART FOLLOWED ON THE NEXT LINE WITH A THREE DIGIT SERIAL NUMBER. SERIAL NUMBERS START AT 001 FOR THE FIRST ARTICLE AND PROCEED CONSECUTIVELY. USE MINIMUM 0.12" HIGH CHARACTERS. UNLESS THE SIZE OF THE PART DICTATES SMALLER CHARACTERS. A VIBRATORY TOOL MAY BE USED. EXAMPLE: DXXXXXX-VY, TYPE-XX, S/N XXX
 - 6. (LAMBDA/10) FINISH FOR 10.6 μm LASER AND 99% REFLECTIVITY, 20-10 SCRATCH DIG PROTECTED Au COATING.
 - 7. APPROXIMATE WEIGHT = 13.78 LB.
 - 8. MACHINE ALL SURFACES TO REMOVE OXIDES AND MILL FINISH. USE OF ABRASIVE REMOVAL TECHNIQUES IS NOT ALLOWED.
 - 9. ALL PARTS SHALL BE MANUFACTURED IN ACCORDANCE WITH LIGO SPECIFICATION E0900364.
 - 10. ALL HELI-COIL HOLES TO BE PREPARED ACCORDING TO EMHART HELI-COIL PRODUCT CATALOG, HC2000, REV 4
 - 11. ALL HELI-COIL INSERTS TO BE INSTALLED BY LIGO PERSONNEL, AFTER DELIVERY OF FINISHED PARTS. USE NITRONIC 60 THREADED INSERTS.

REV.	DATE	DCN #	DRAWING TREE #
v1	30-AUG-2010	-	-
v2	22-DEC-2010	E1000883-v1	E1000884-v1
-	-	-	-



SECTION A-A
SCALE 1 : 1



SECTION B-B
SCALE 1 : 1

NOTES AND TOLERANCES: (UNLESS OTHERWISE SPECIFIED)	
1. INTERPRET DRAWING PER ASME Y14.5-1994.	
2. REMOVE ALL SHARP EDGES, .02 MIN.	
3. DO NOT SCALE FROM DRAWING.	
4. ALL MACHINING FLUIDS MUST BE FULLY SYNTHETIC, FULLY WATER SOLUBLE AND FREE OF SULFUR, SILICONE, AND CHLORINE.	
MATERIAL	FINISH
Copper, 110 ALLOY	63 μinch

LIGO CALIFORNIA INSTITUTE OF TECHNOLOGY
MASSACHUSETTS INSTITUTE OF TECHNOLOGY

SYSTEM: **ADVANCED LIGO** SUB-SYSTEM: **AOS**

NEXT ASSY: **D1001742**

PART NAME		DESIGNER		DATE		SIZE		DWG. NO.		REV.	
aLIGO TCS H2 IN-VAC MIRROR		M. JACOBSON		08 JUL 2010		D		D1001727		v2	
DRAFTER		A. COLE		30-AUG-2010		SCALE: 1:2		PROJECTION:		SHEET 1 OF 2	
CHECKER		C. TORRIE		06 JAN 2011							
APPROVAL		P. WILLEMS		06 JAN 2011							

D1001727_TCS_H2_IN-VAC_MIRROR_PART_PDM_REV_X-026_DRAWING_PDM_REV_X-010

