

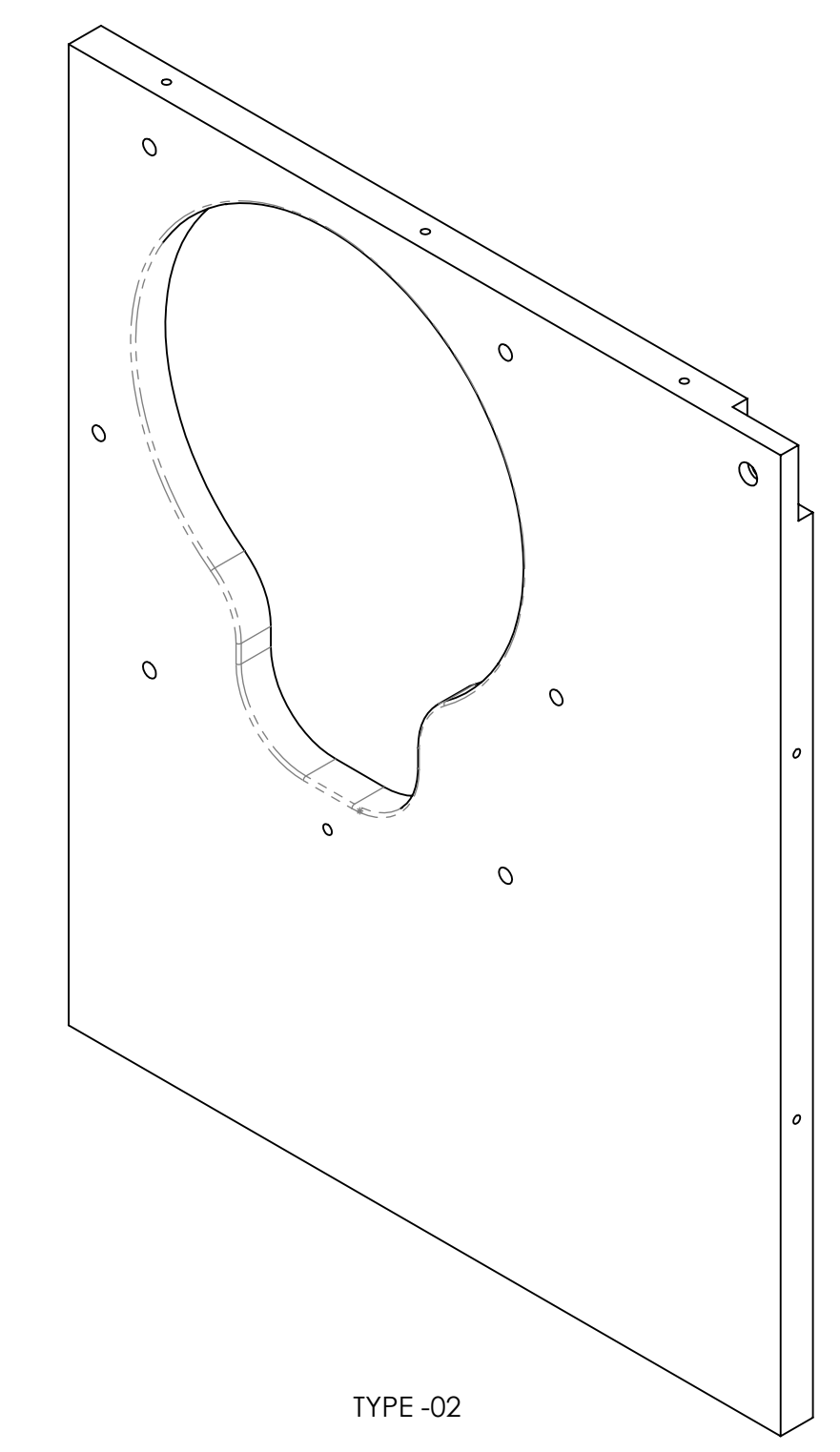
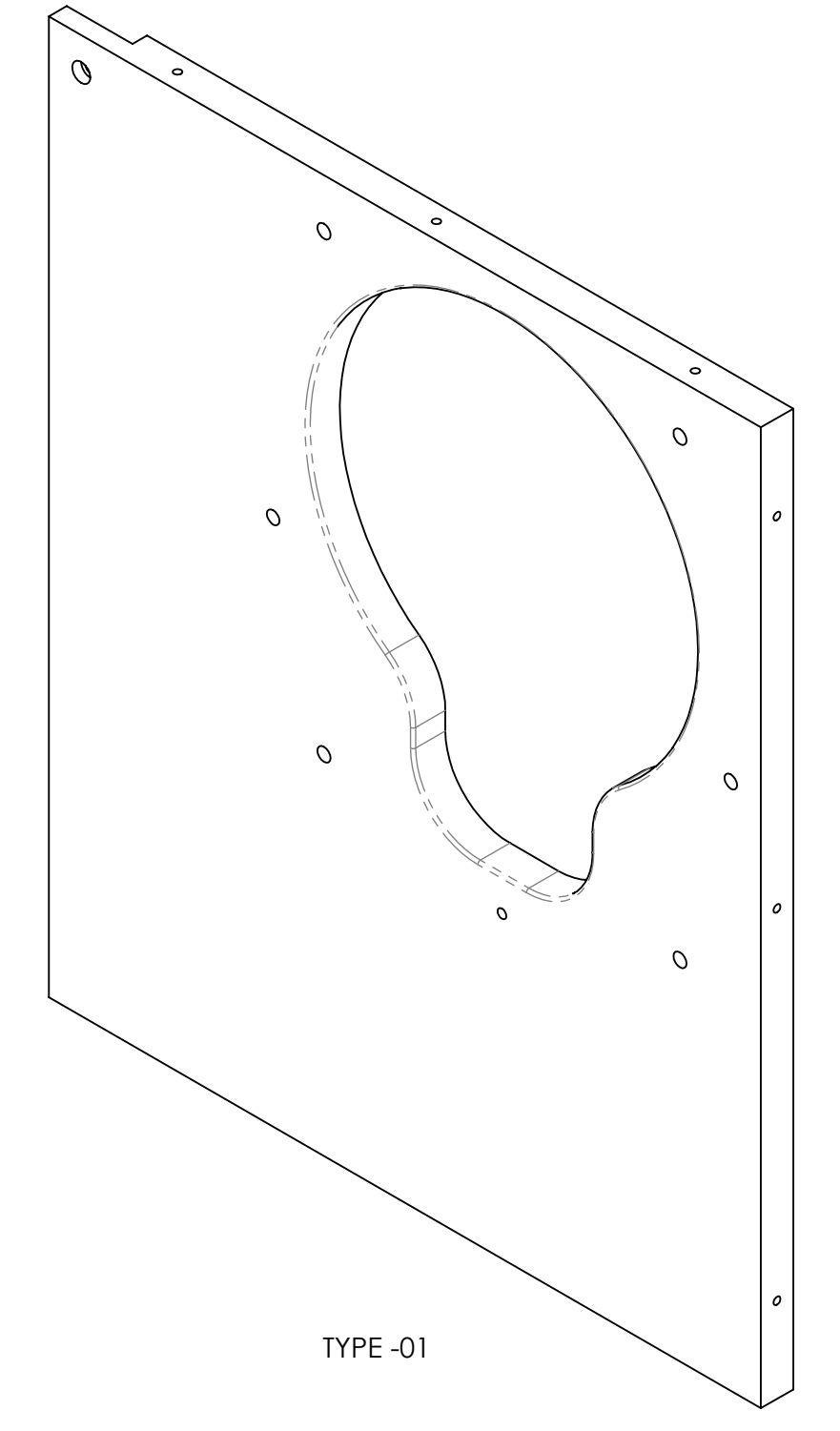
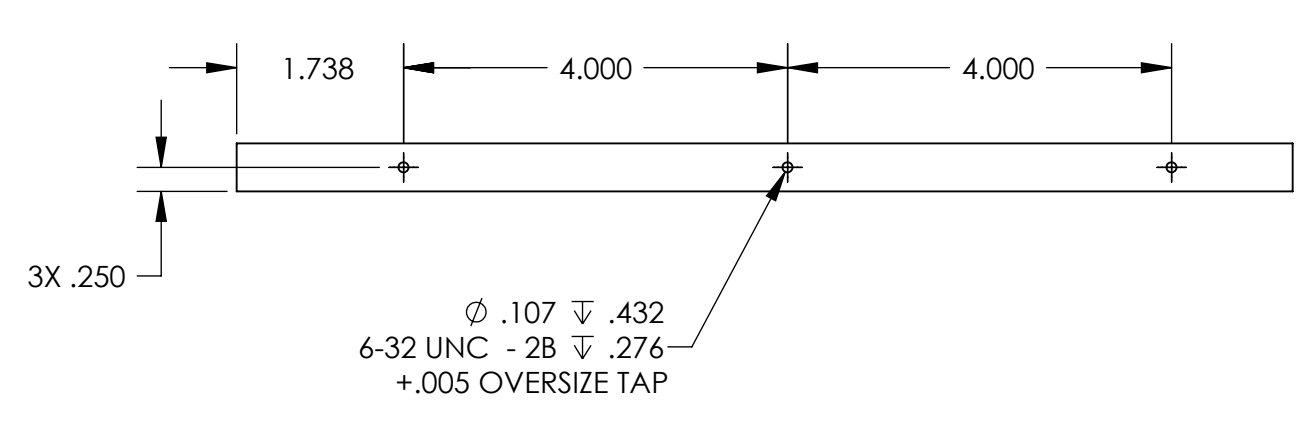
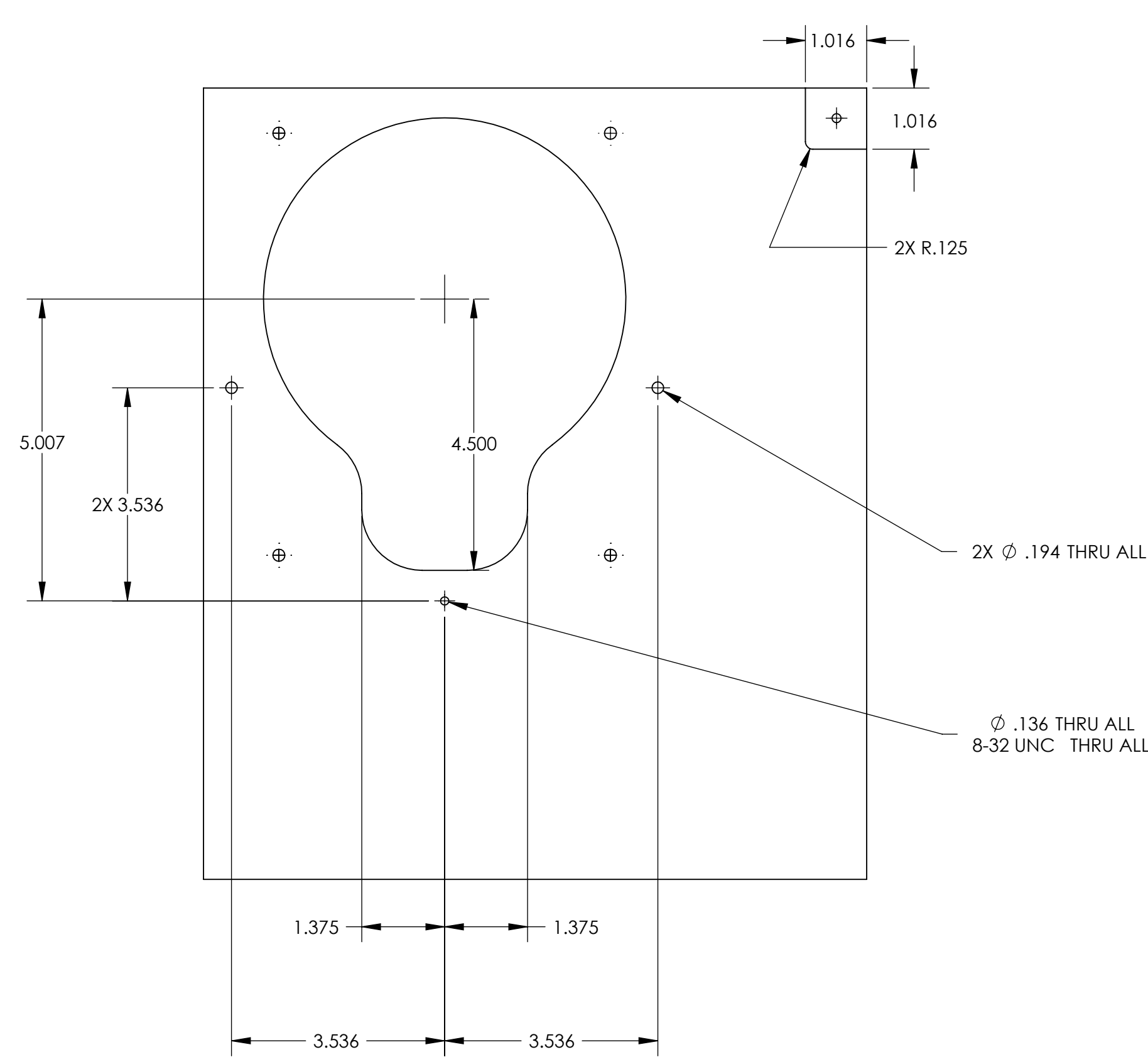
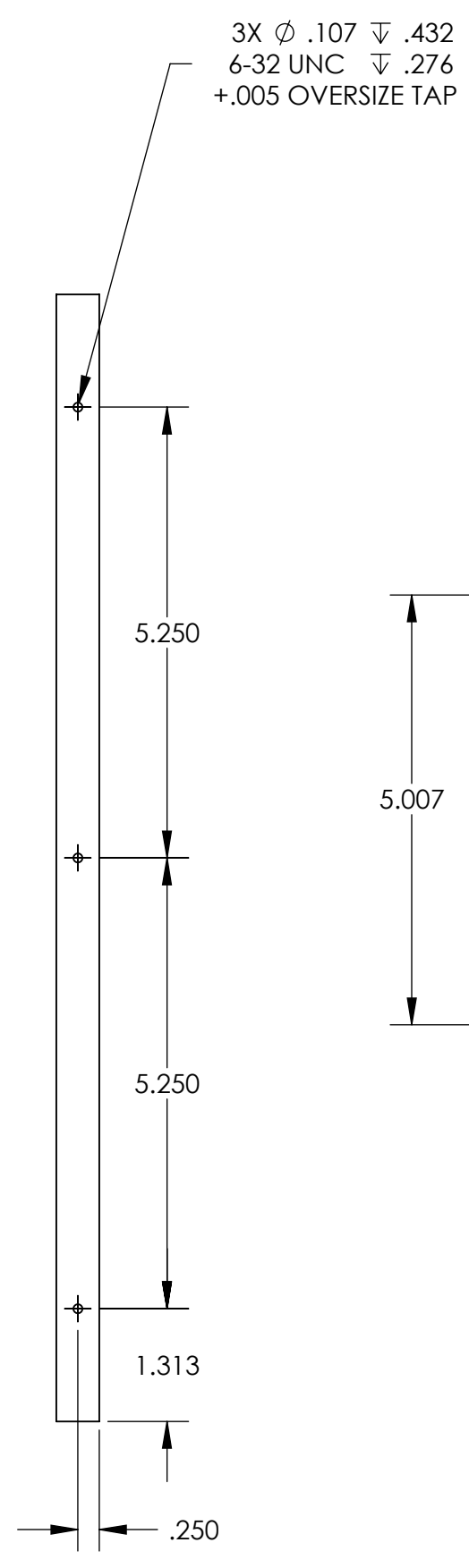
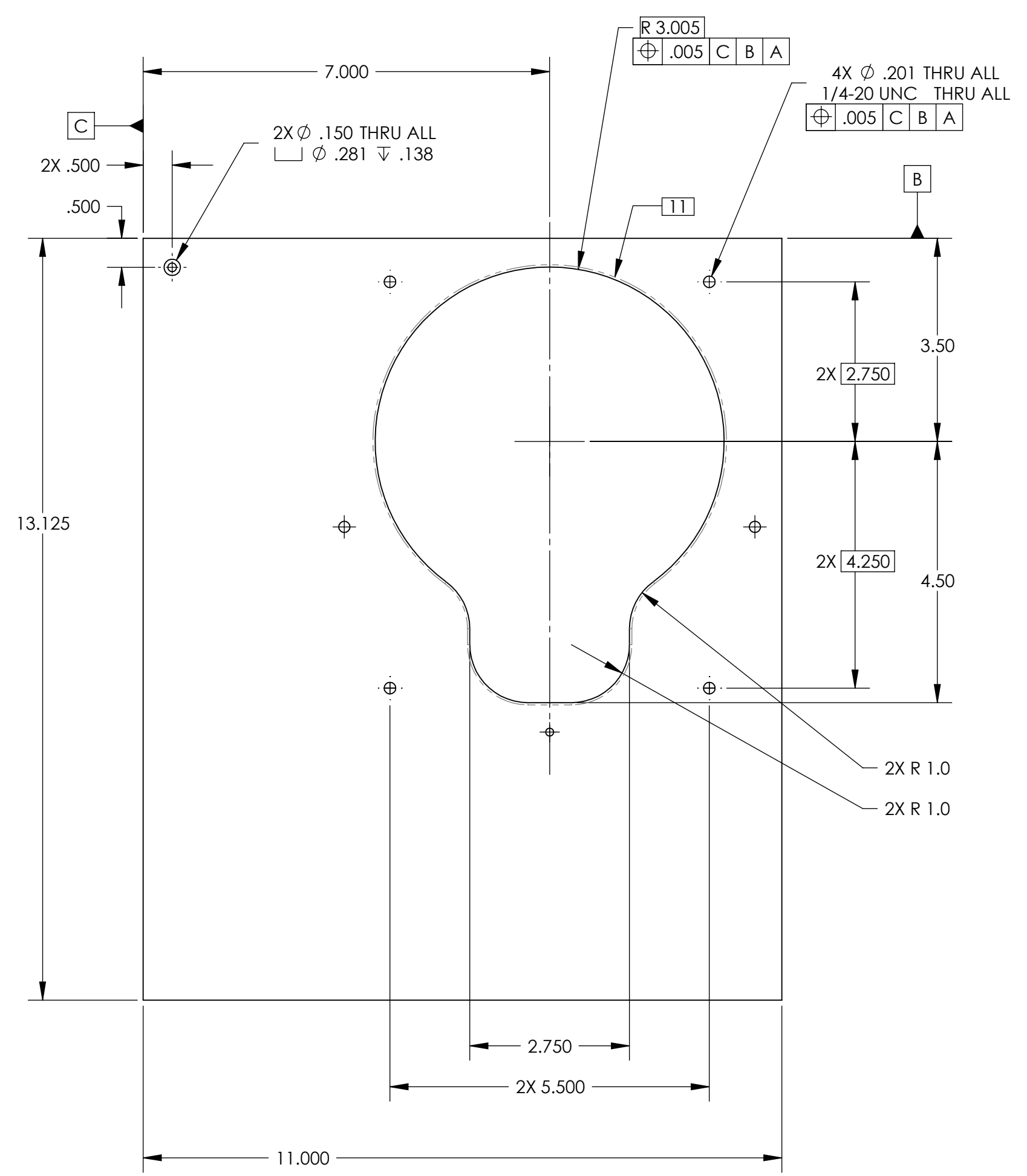
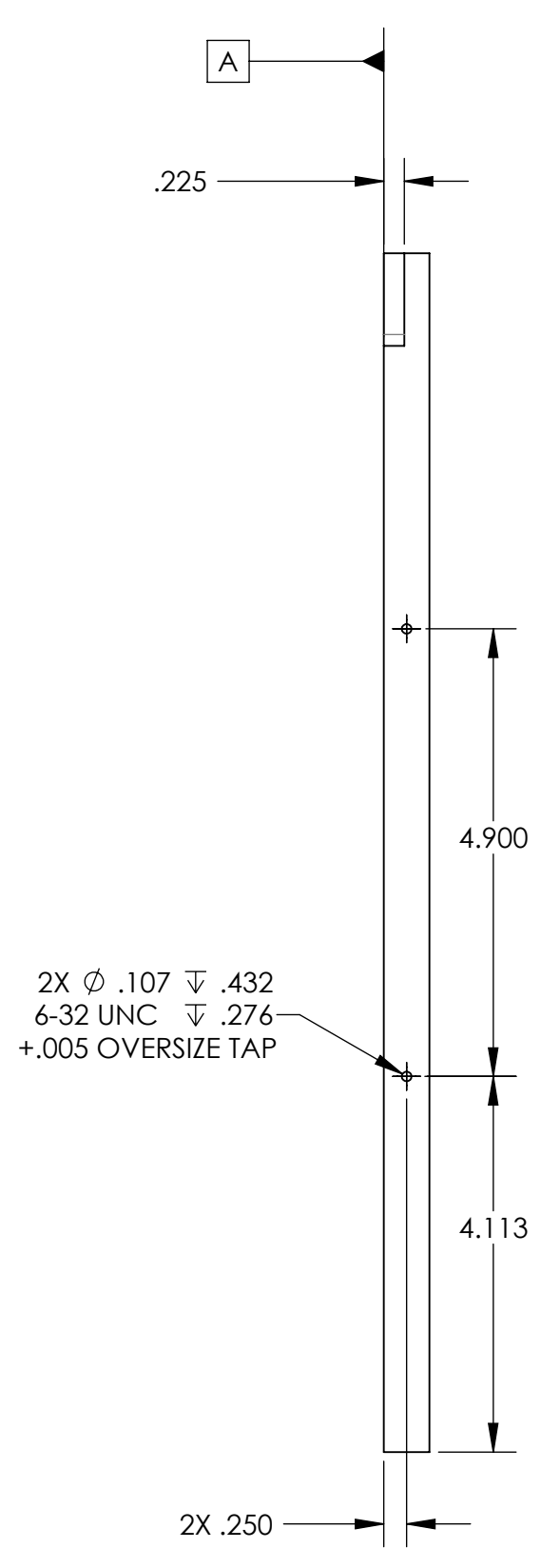
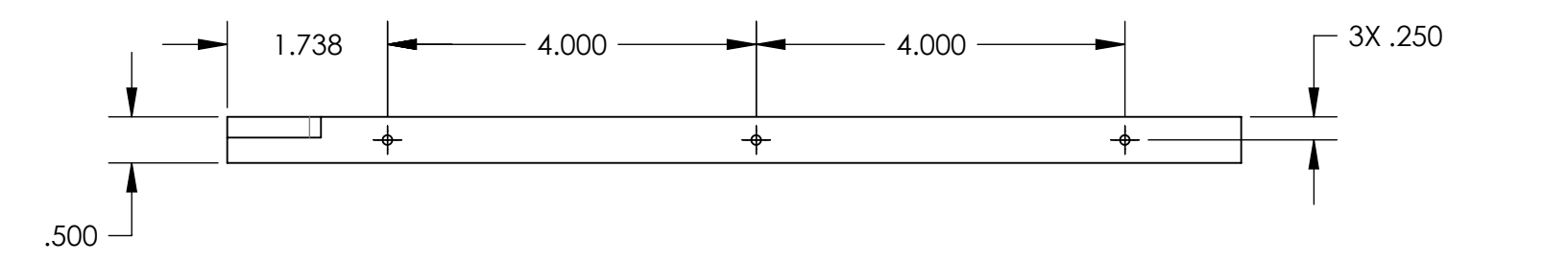
**NOTES CONTINUED:**  
 5 SCRIBE, ENGRAVE (A VIBRATORY TOOL MAY BE USED), LASER MARK OR MECHANICALLY STAMP (NO INKS OR DYES) DRAWING PART NUMBER, REVISION (AND VARIANT OR 'TYPE' IF APPLICABLE) ON NOTED SURFACE OF PART FOLLOWED ON THE NEXT LINE WITH A THREE DIGIT SERIAL NUMBER. SERIAL NUMBERS START AT 001 FOR THE FIRST ARTICLE AND PROCEED CONSECUTIVELY. USE MINIMUM 0.12" HIGH CHARACTERS, UNLESS THE SIZE OF THE PART DICTATES SMALLER CHARACTERS. EXAMPLE: DXXXXXX-VY, TYPE-XX, S/N XXX

- 6 APPROXIMATE WEIGHT = 2.5 LB
- 7 MACHINE ALL SURFACES TO REMOVE OXIDES AND MILL FINISH. USE OF ABRASIVE REMOVAL TECHNIQUES IS NOT ALLOWED. REFER TO LIGO-E0900364
- 8 ALL PARTS SHALL BE MANUFACTURED IN ACCORDANCE WITH LIGO SPECIFICATION E0900364.
- 9 ALL MATERIAL IS TO BE VIRGIN MATERIAL (i.e. NO WELD REPAIRS, PLUGS OR RECYCLED MATERIAL), NO REPAIRS SHALL BE MADE UNLESS APPROVED IN ADVANCE, AND IN WRITING, BY LIGO LABORATORY. REFER TO LIGO-E0900364
- 10 SURFACE FINISH TO BE AS-PROCESSED FROM MILL/SUPPLIER, FREE FROM SCRATCHES OR GOUGES.

**TT** R .5 ALONG ENTIRE TANGENT EDGE.

TYPE (CONFIGURATION)	DESCRIPTION
-01	αLIGO, TCS, H2, X-ARM (SHOWN)
-02	αLIGO, TCS, H2, Y-ARM (MIRROR OF -01)

REV.	DATE	DCN #	DRAWING TREE #
v1	25 JUL 2011	E1100655-v1	E1100656-v1
-	-	-	-
-	-	-	-



DIMENSIONS ARE IN INCHES		NOTES AND TOLERANCES: (UNLESS OTHERWISE SPECIFIED)	
TOLERANCES: .XX ± .01 .XXX ± .005		1. INTERPRET DRAWING PER ASME Y14.5-1994. 2. REMOVE ALL SHARP EDGES, .005-.015, FOR MACHINED PARTS. ROUND ALL EDGES APPROXIMATELY R.02 FOR SHEET METAL PARTS. 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	NEXT ASSY	
6061 Alloy	64 μinch	D1003221	

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SYSTEM	SUB-SYSTEM
ADVANCED LIGO	AOS

PART NAME				BOTTOM WALL, CO2P VP ENCLOSURE			
DESIGNER	A. LANGLEY	21 MAR 2011	SIZE	DWG. NO.	REV.		
DRAFTER	A. LYNCH	11 JUL 2011	D	D1003220	v1		
CHECKER	M. JACOBSON	25 JUL 2011	SCALE: 1:2	PROJECTION:	SHEET 1 OF 1		
APPROVAL	P. WILLEMS	25 JUL 2011					

D1003220\_BOTTOM WALL\_CO2P\_VP ENCLOSURE\_PART PDM REV: X-032\_DRAWING PDM REV: X-008