

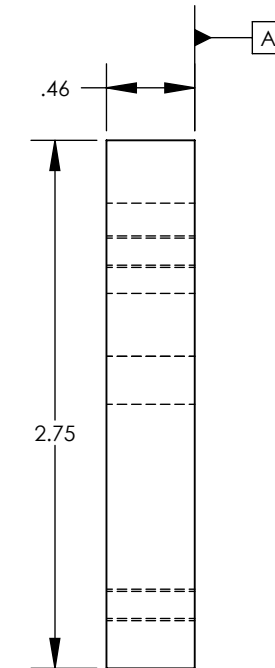
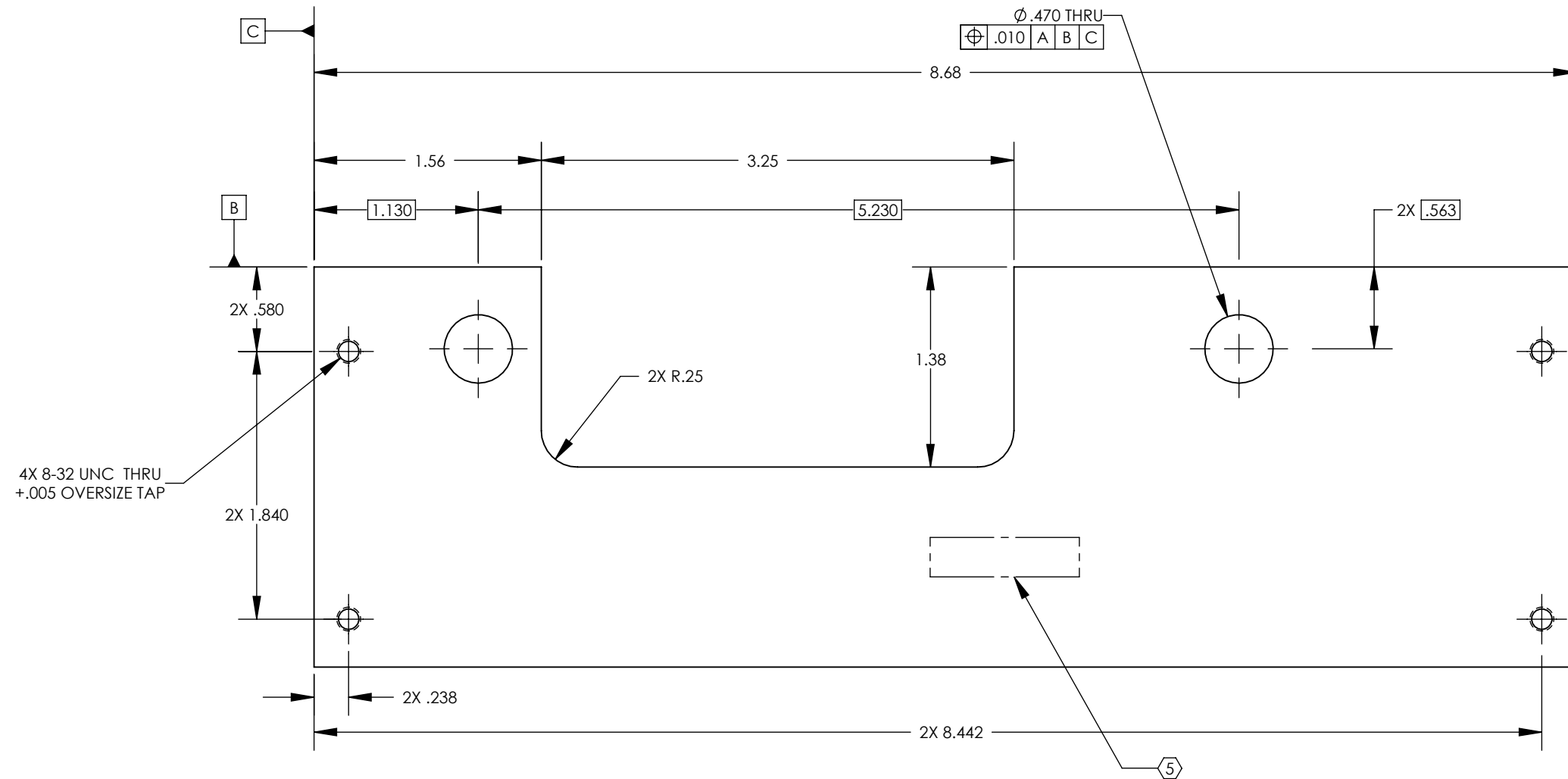
D0900168\_AdlIGO\_AOS\_D0900170\_Crossbar Plate, PART PDM REV: X-022, DRAWING PDM REV: X-029

**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. MACHINE ALL SURFACES TO REMOVE OXIDES AND MILL FINISH. USE OF ABRASIVE REMOVAL TECHNIQUES IS NOT ALLOWED.

7. ALL PARTS SHALL BE MANUFACTURED IN ACCORDANCE WITH LIGO SPECIFICATION E0900364.

REV.	DATE	DCN #	DRAWING TREE #
v1	01 JUL 2009	DCN #	-
v2	07 OCT 2010	E1000563	-
v3	28 FEB 2011	E1000563	-
v4	29 DEC 2011	E1000563	
v5	31 AUG 2012	E1000563	
v6	29 OCT 2012	E1000563	
-	-		



NOTES AND TOLERANCES: (UNLESS OTHERWISE SPECIFIED)	
DIMENSIONS ARE IN INCHES	
TOLERANCES: .XX ± .01 .XXX ± .005 ANGULAR ± .5°	
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	6061-T6 Al
FINISH	63 μinch

CALIFORNIA INSTITUTE OF TECHNOLOGY MASSACHUSETTS INSTITUTE OF TECHNOLOGY		PART NAME		CROSSBAR PLATE	
SYSTEM	ADVANCED LIGO	SUB-SYSTEM	AOS	DESIGNER	N.Nguyen
NEXT ASSY	D0900170	DRFTER		DATE	26 May 2009
		CHECKER	M. SMITH	DATE	01 JUL 2009
		APPROVAL	C. TORRIE	DATE	01 JUL 2009
			SIZE	DWG. NO.	REV.
			B	D0900168	v6
			SCALE: 1:1	PROJECTION:	SHEET 1 OF 1