

**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 = 15.356 LB.

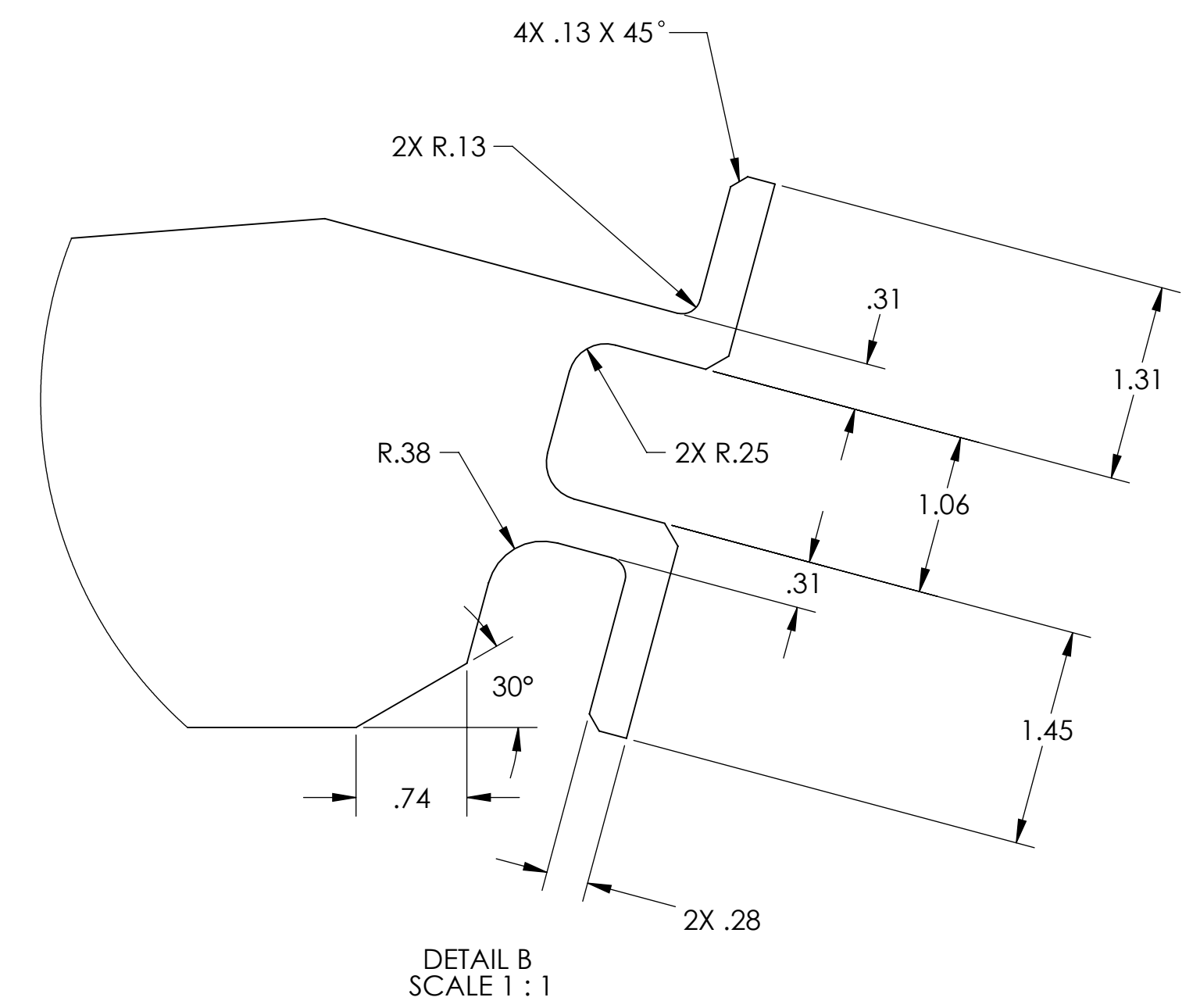
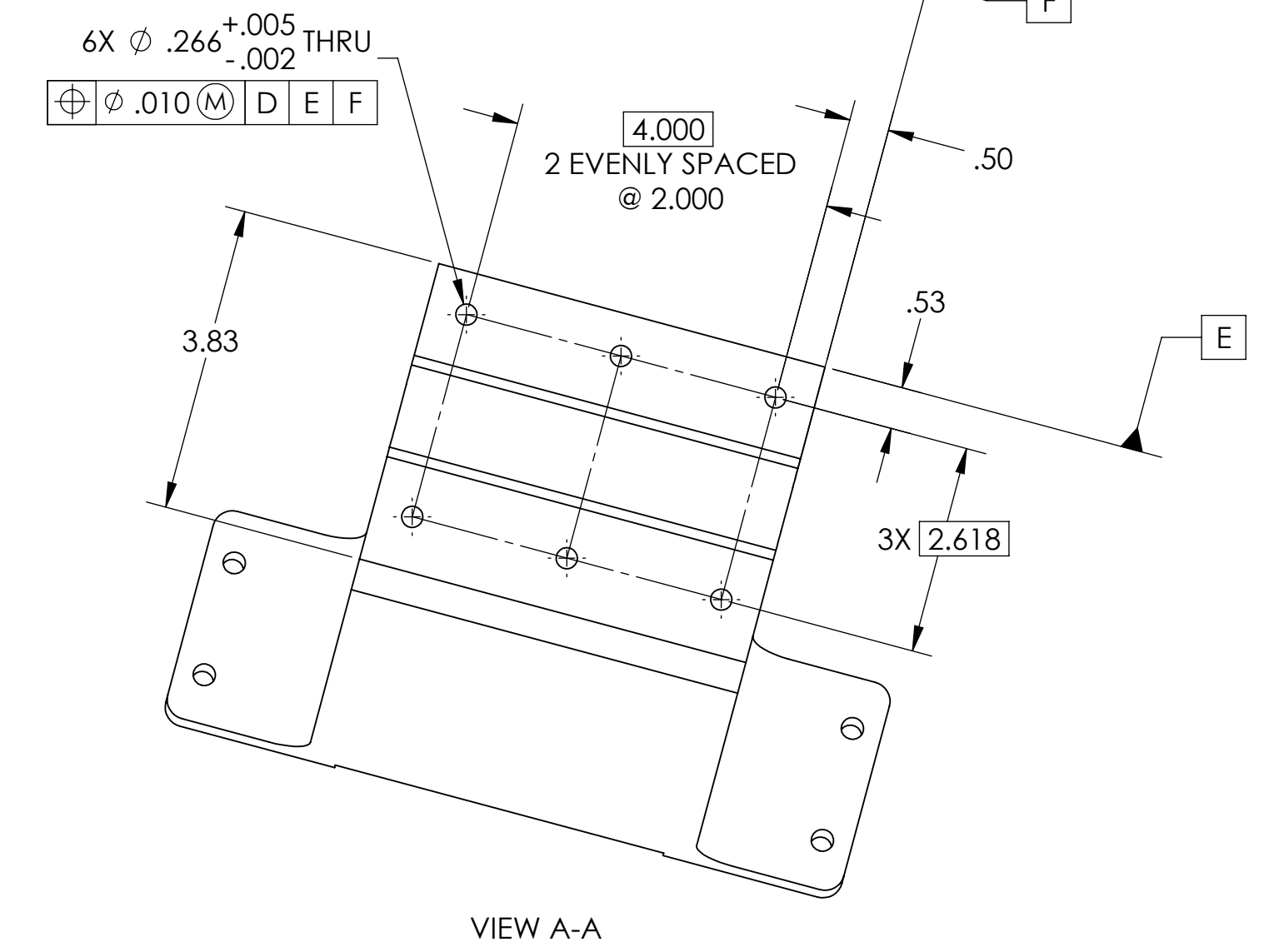
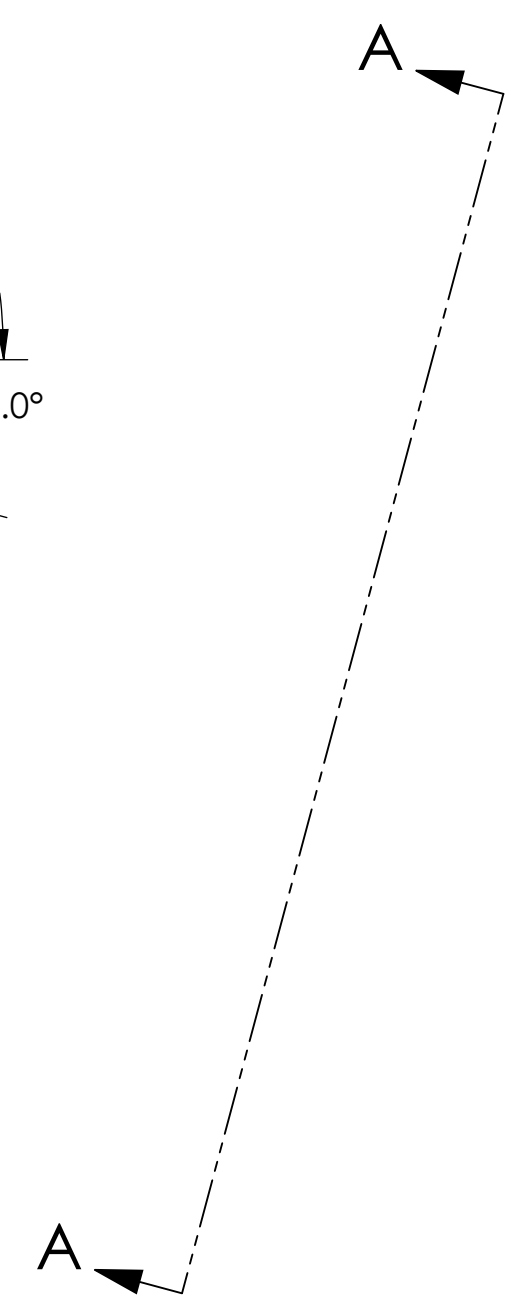
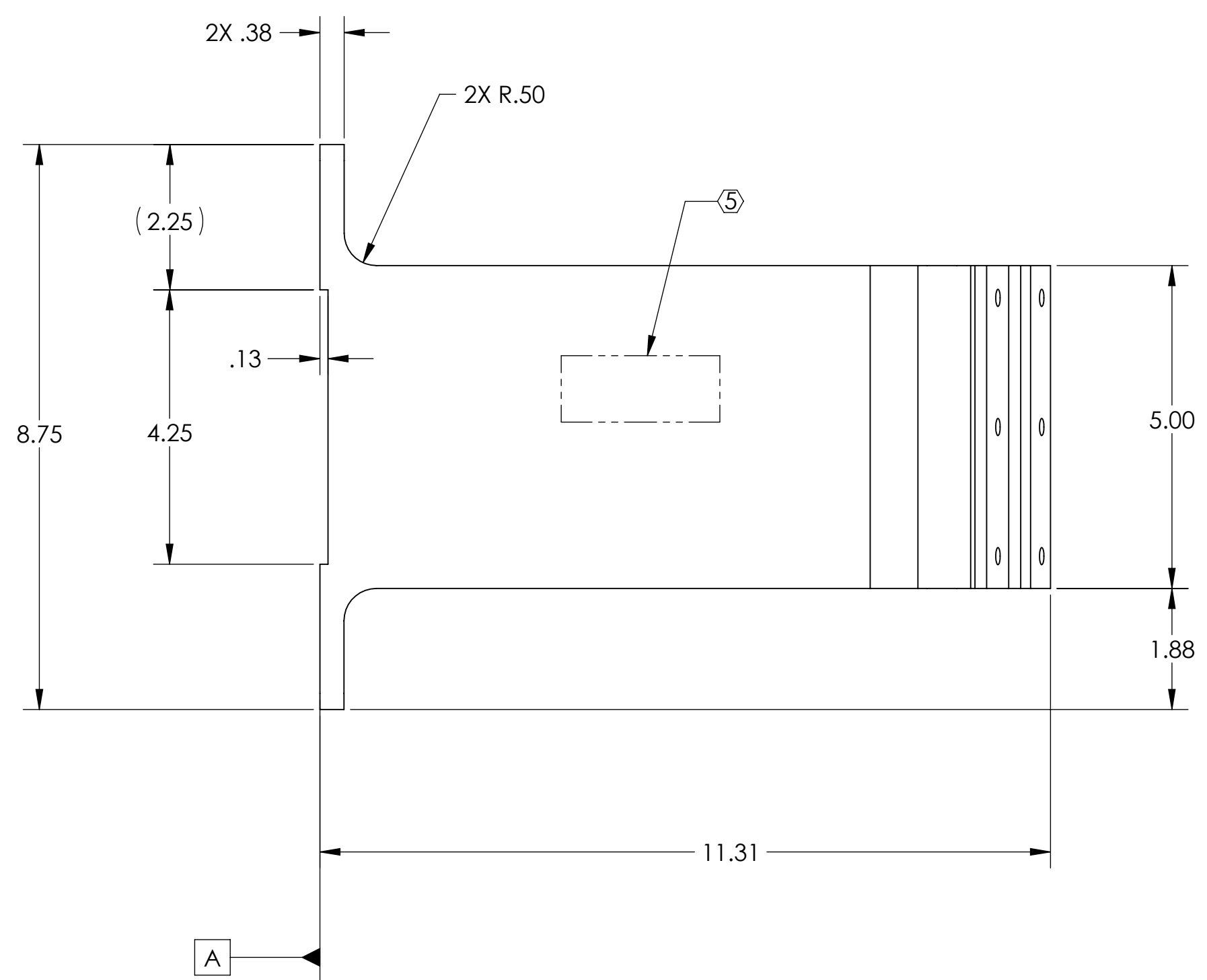
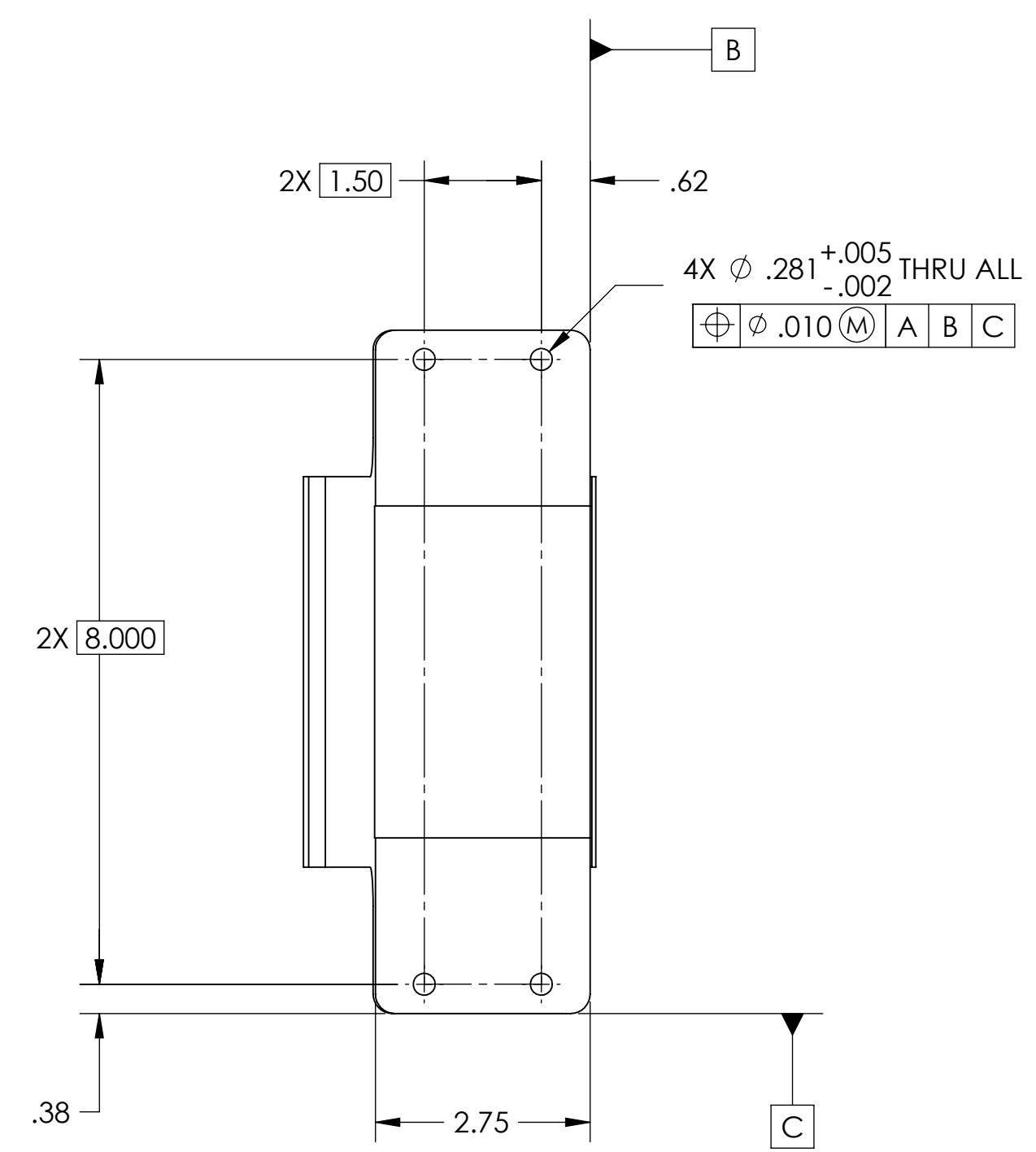
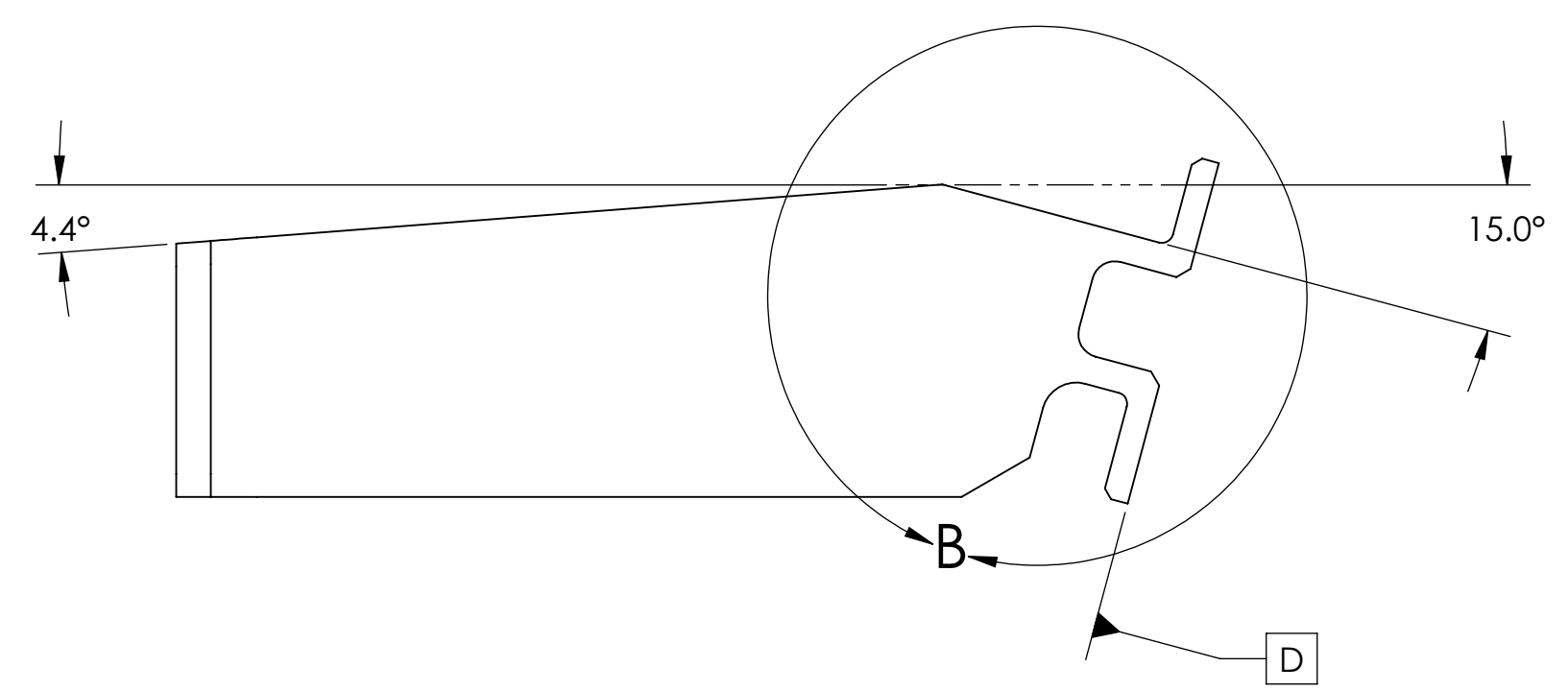
7. MACHINE ALL SURFACES TO REMOVE OXIDES AND MILL FINISH. USE OF ABRASIVE REMOVAL TECHNIQUES IS NOT ALLOWED. REFER TO LIGO-E0900364

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.

CONFIG.	DESCRIPTION
-01	X-ARM, BSC3
-02	Y-ARM, BSC1

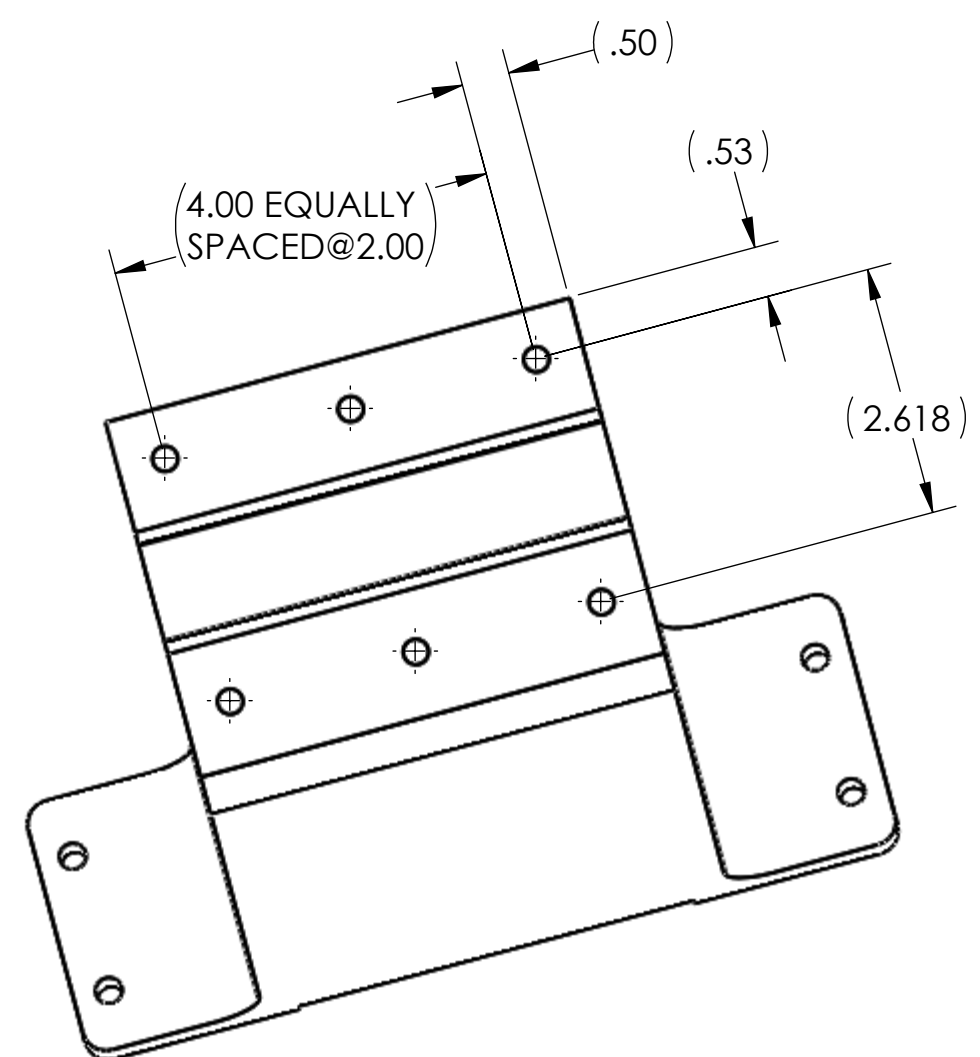
REV.	DATE	DCN #	DRAWING TREE #
v1	05-MAR-12	E1101043-v1	E1101044-v1
-	-	-	-
-	-	-	-



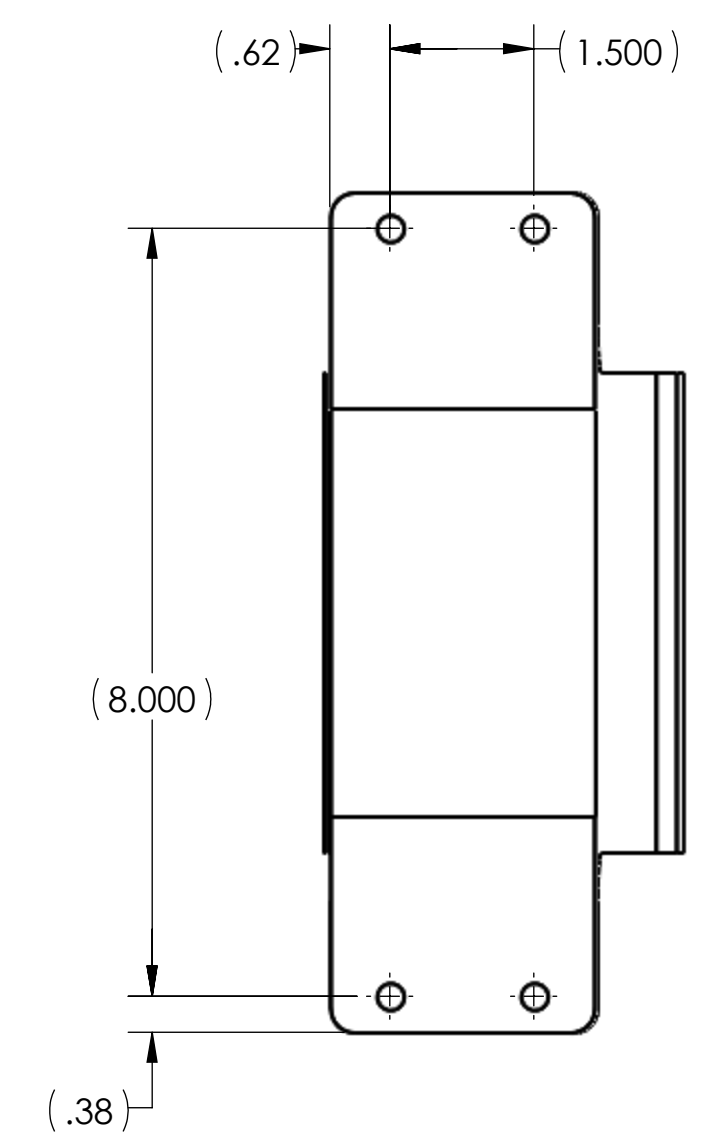
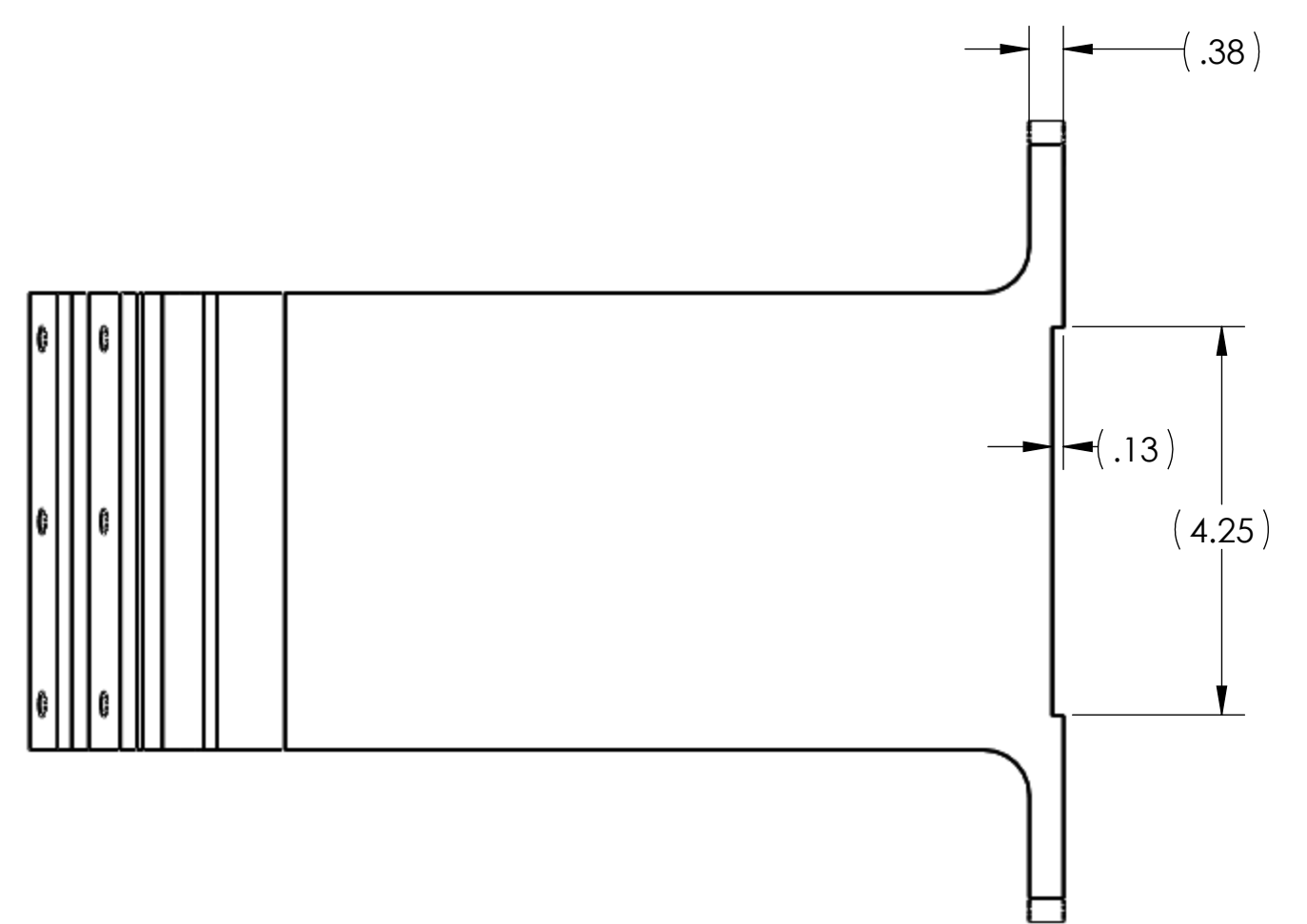
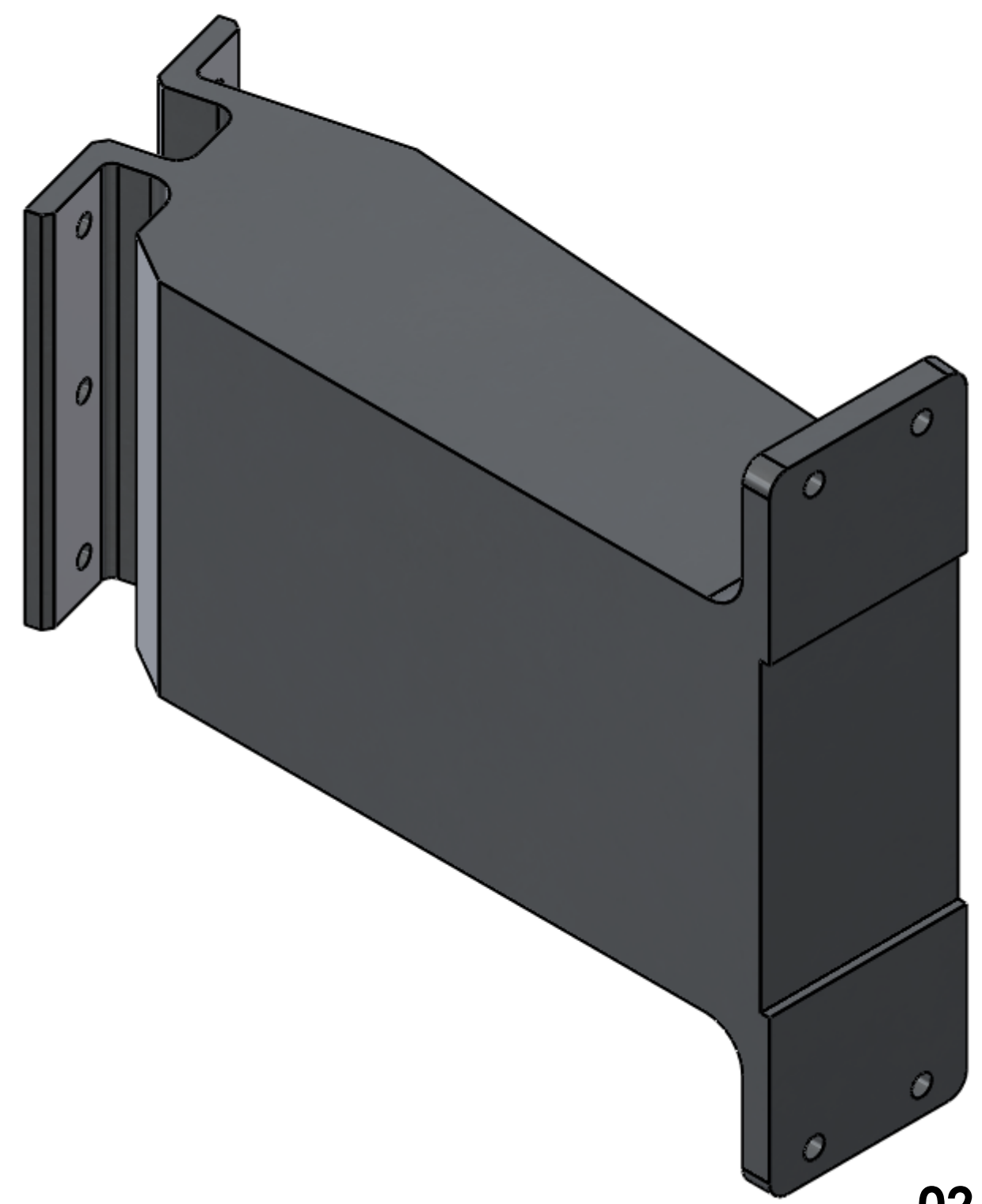
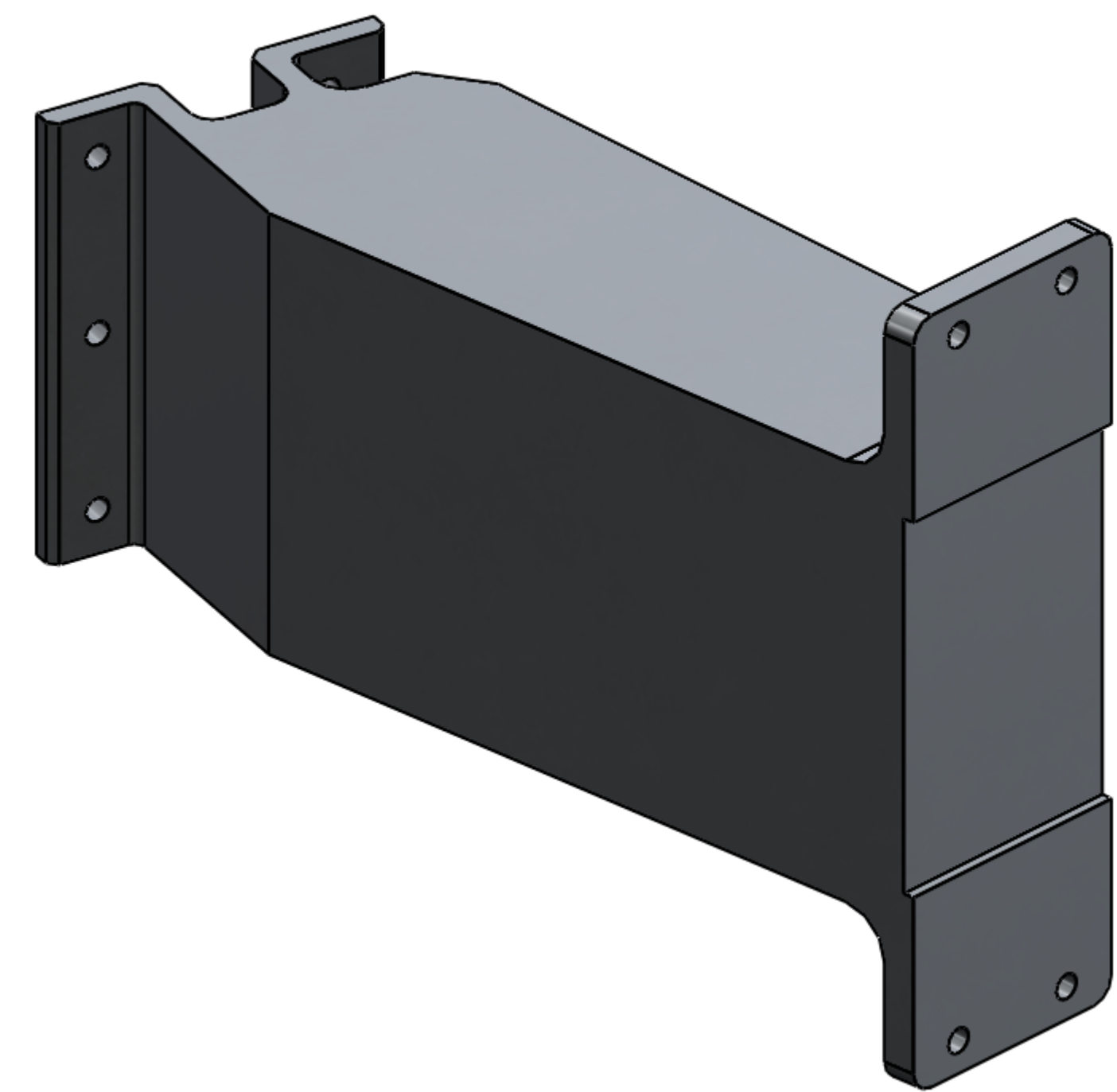
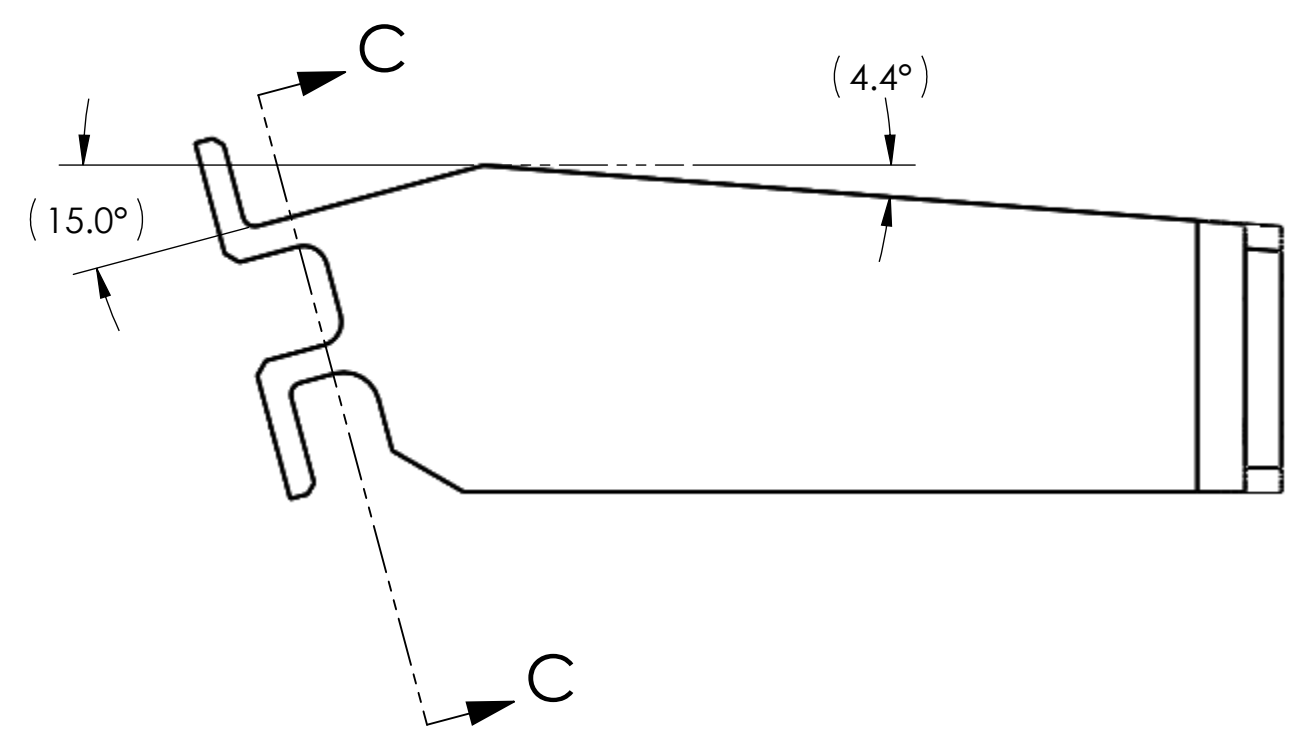
**-01**

DIMENSIONS ARE IN INCHES		NOTES AND TOLERANCES: (UNLESS OTHERWISE SPECIFIED)		CALIFORNIA INSTITUTE OF TECHNOLOGY MASSACHUSETTS INSTITUTE OF TECHNOLOGY		PART NAME		
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.		SYSTEM <b>ADVANCED LIGO</b>		SUB-SYSTEM <b>AOS</b>		WEDGE SUPPORT, H1-L1, dLIGO TCS CO2P SM1
ANGULAR ± 1.0°		MATERIAL <b>6061-T6 ALLOY</b>		FINISH <b>63 μinch</b>		NEXT ASSY <b>D1102088</b>		DESIGNER M. JACOBSON 04-SEPT-11 DRAFTER A. COLE 12-OCT-2011 CHECKER J. LEWIS 01-MAR-12 APPROVAL A. HEPTONSTALL 05-MAR-12
						SIZE DWG. NO. <b>D 1101771</b>		REV. <b>v1</b>
						SCALE: 1:2 PROJECTION:		SHEET 1 OF 2

D1101771\_WEDGE\_SUPPORT\_H1-L1.dLIGO TCS CO2P SM1\_PARR FDM REV. 3-016 DRAWING PDM REV. X-011



VIEW C-C



**-02**  
**MIRRORED PART**  
**SEE SHT1 FOR DETAILS ALL DIMENSIONS**  
**ARE FOR REFERENCE ONLY**

D:\10771\_WEDGE\SUB\PORT\_H1.L1.dwg LIGO TCS CO2P SMI\_PARR FDM REV:4-02 DRAWING PDM REV: X-011