

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 = 1.46 LB.

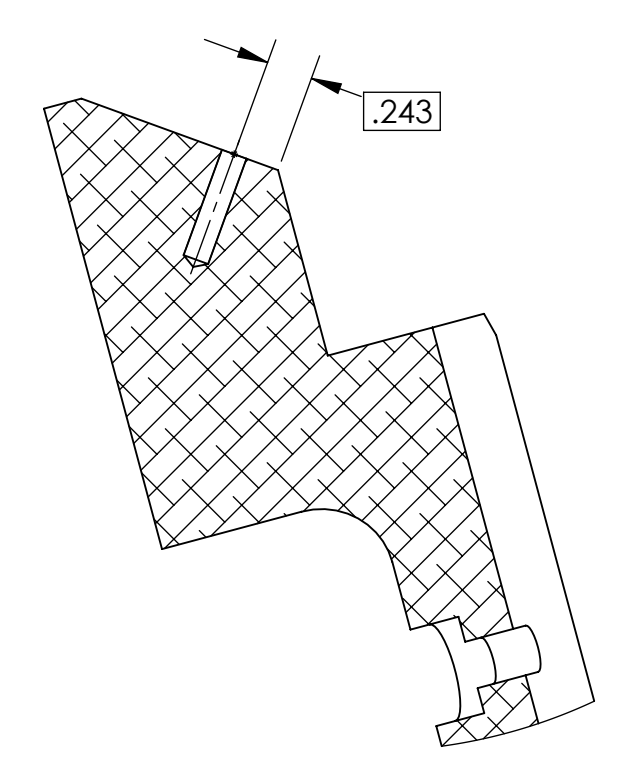
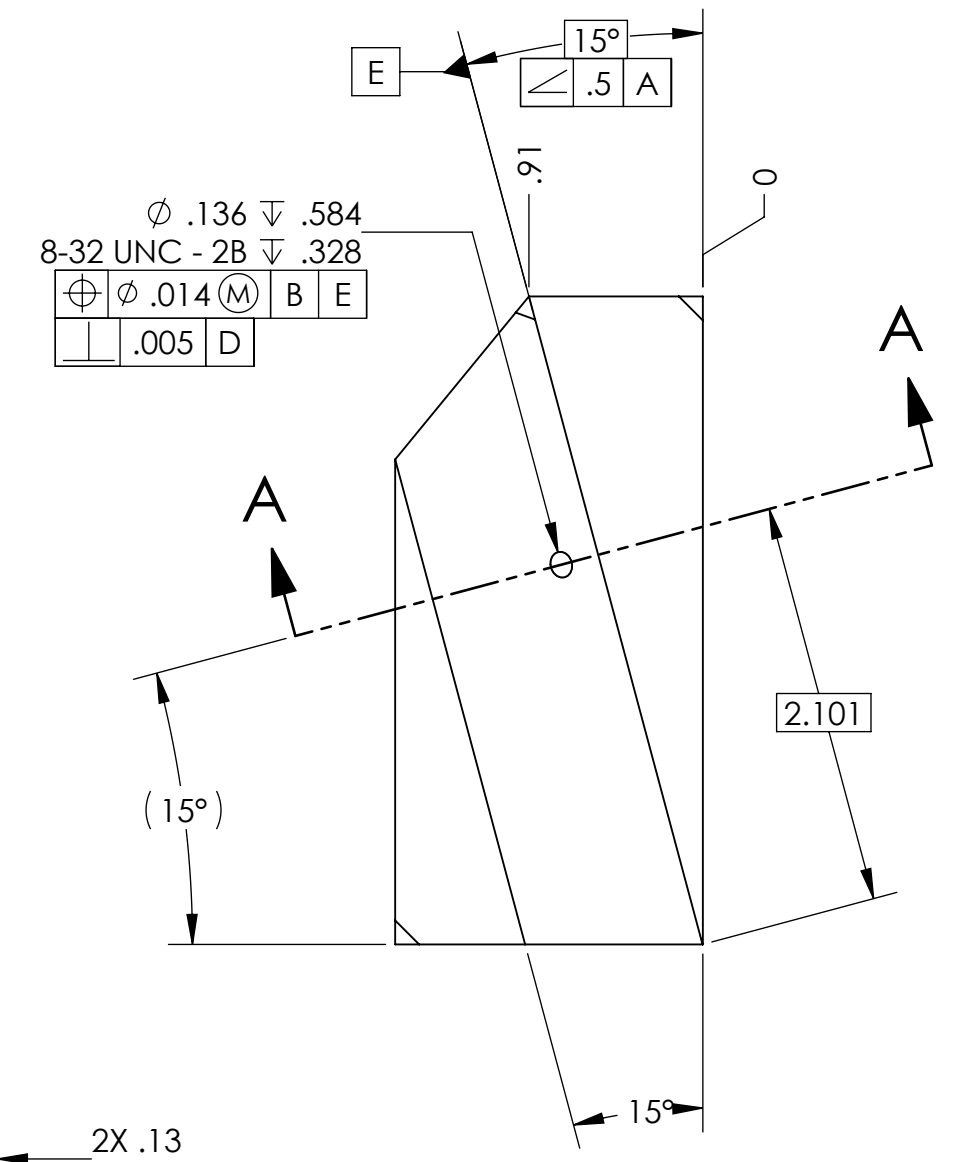
7. MACHINE ALL SURFACES TO REMOVE OXIDES AND MILL FINISH. USE OF ABRASIVE REMOVAL TECHNIQUES IS NOT ALLOWED. REFER TO LIGO-E0900364

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

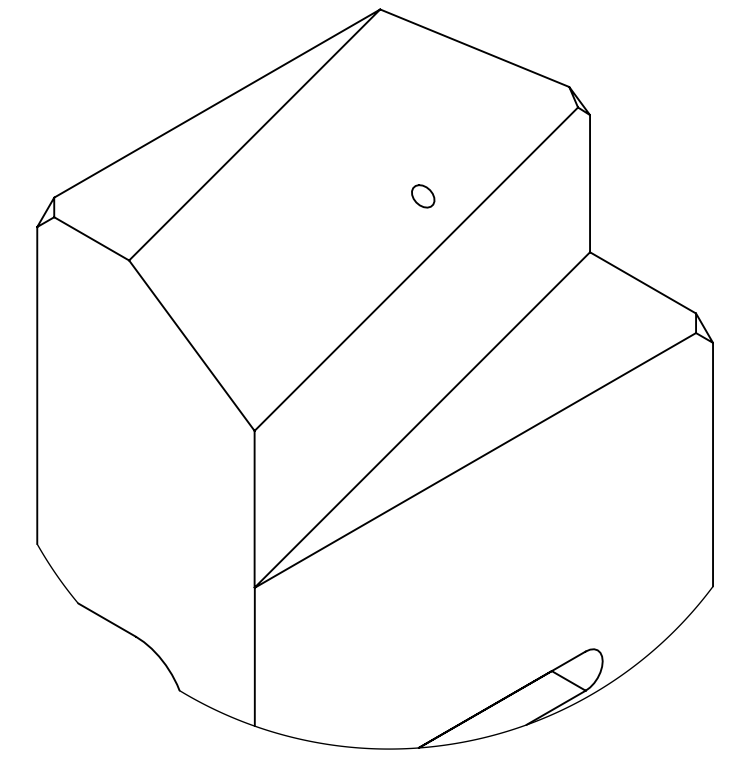
9. ALL MATERIAL IS TO BE VIRGIN MATERIAL (i.e. NO WELD REPAIRS, PLUGS OR RECYCLED MATERIAL). NO REPAIRS SHALL BE MADE UNLESS APPROVED IN ADVANCE, AND IN WRITING, BY LIGO LABORATORY. REFER TO LIGO-E0900364.

TYPE	DESCRIPTION
-01	X-arm
-02	Y-arm

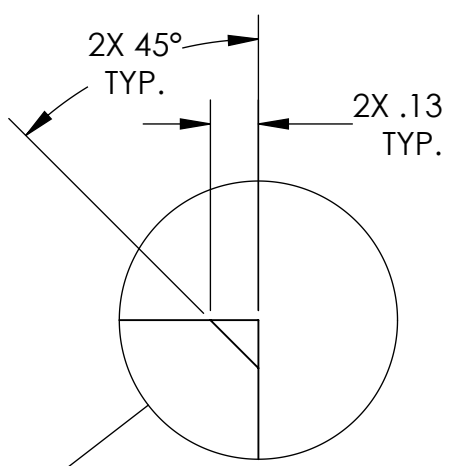
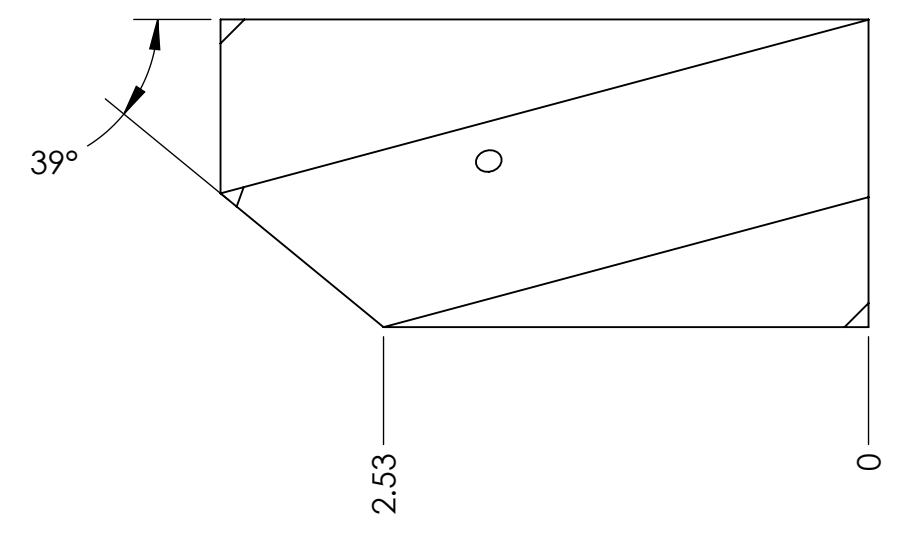
REV.	DATE	DCN #	DRAWING TREE #
v1	08 NOV 2012	E1200891-x0	E1201007
-	-	-	-
-	-	-	-



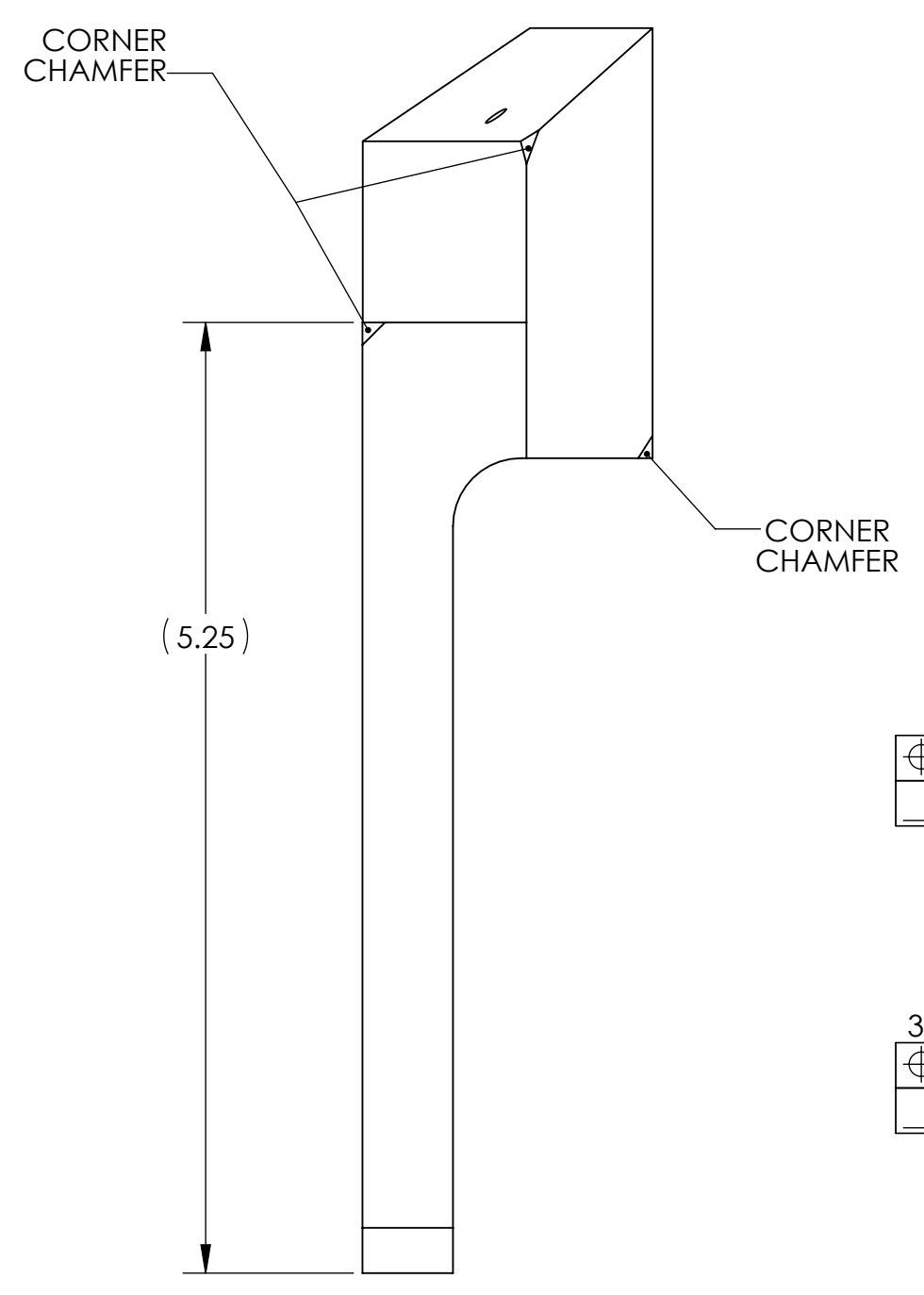
SECTION A-A



ISO VIEW, REAR-RIGHT

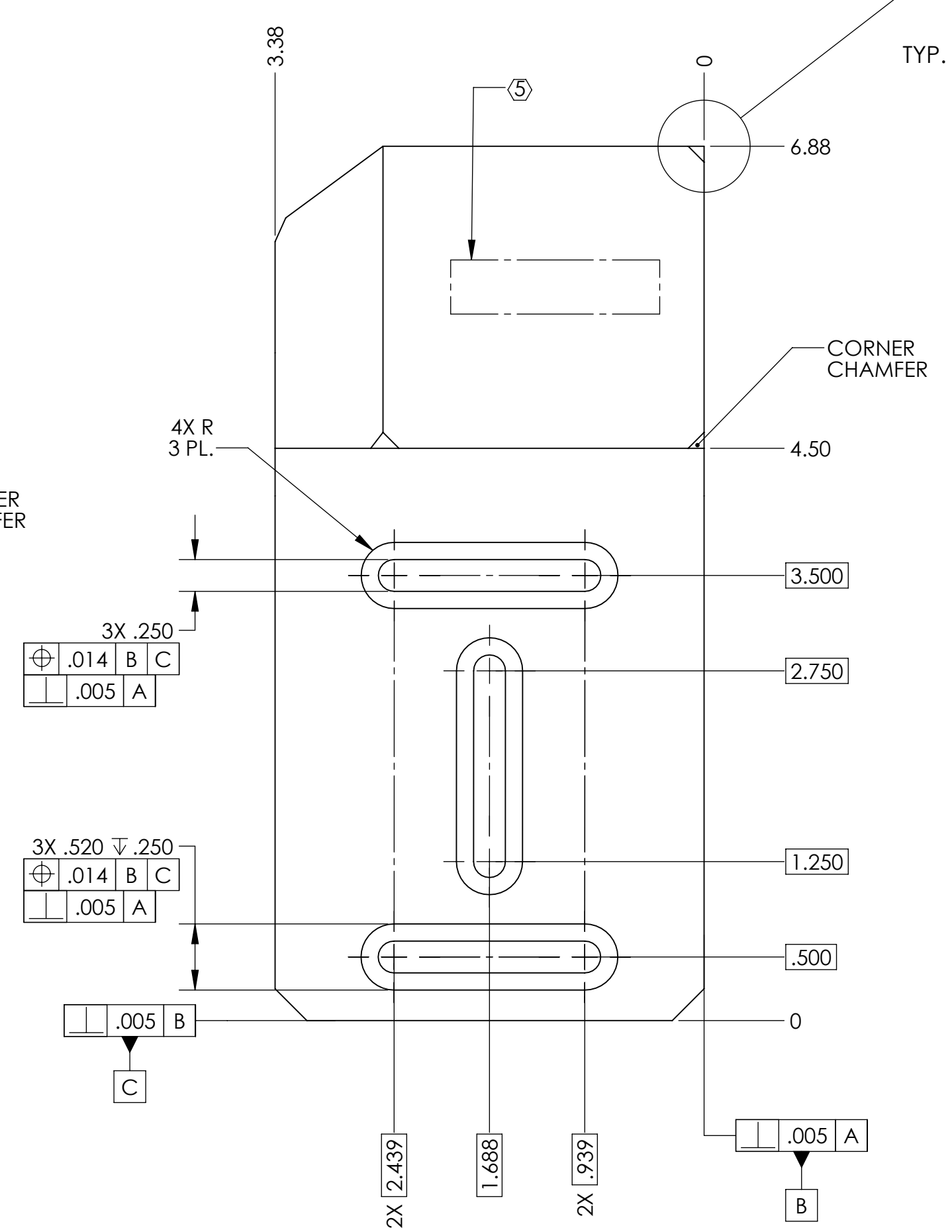


DETAIL B
SCALE 2:1
TYP. CORNER CHAMFER
7 PLACES

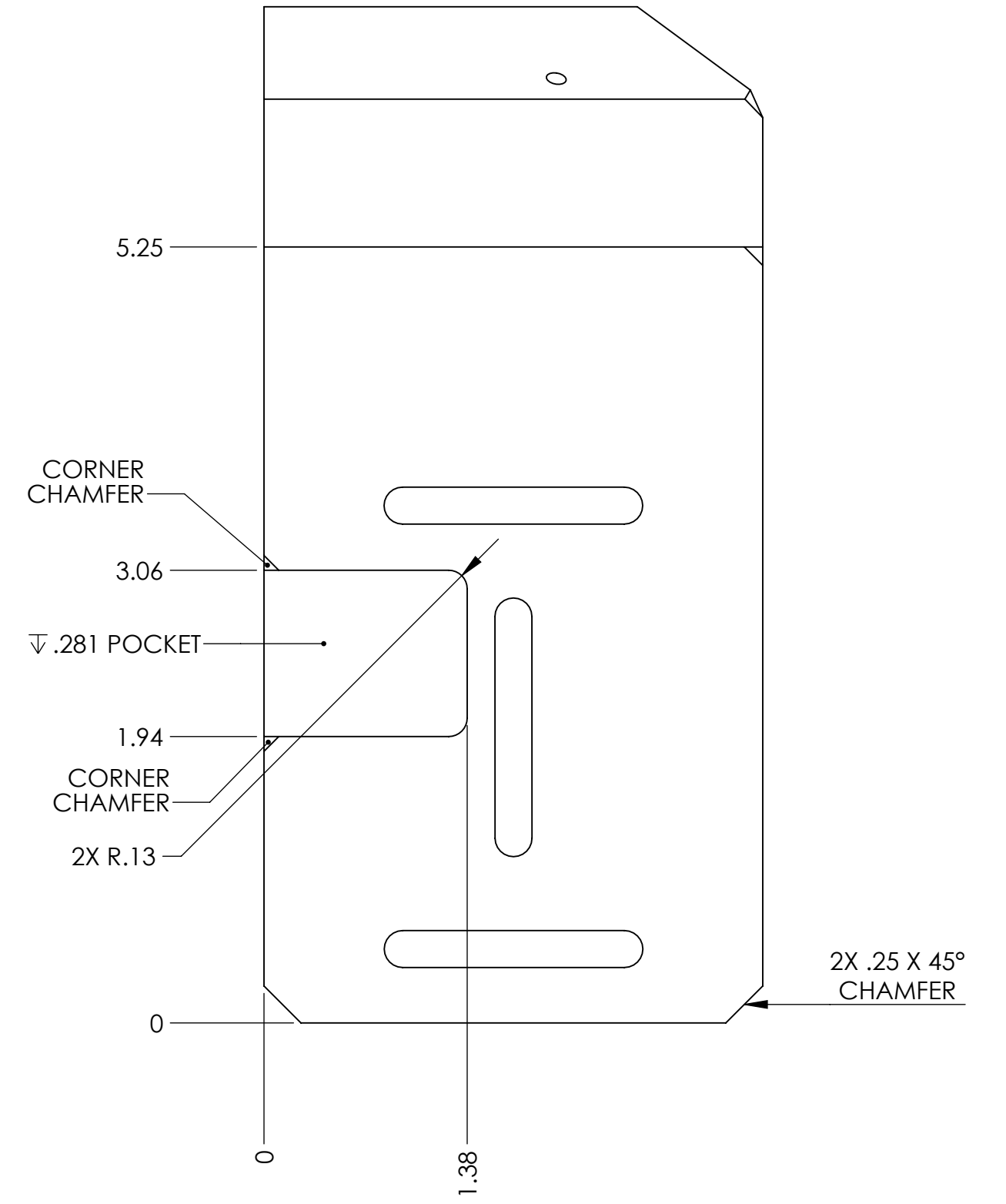
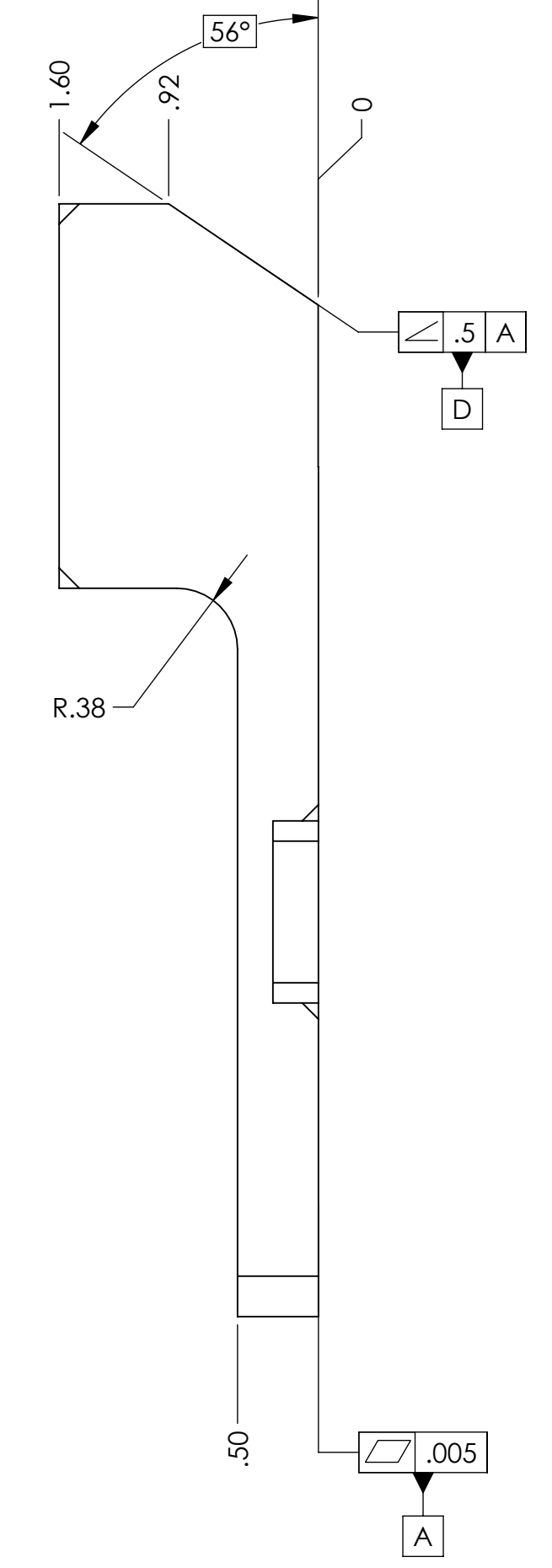


CORNER CHAMFER

CORNER CHAMFER



-01 DETAIL



CORNER CHAMFER

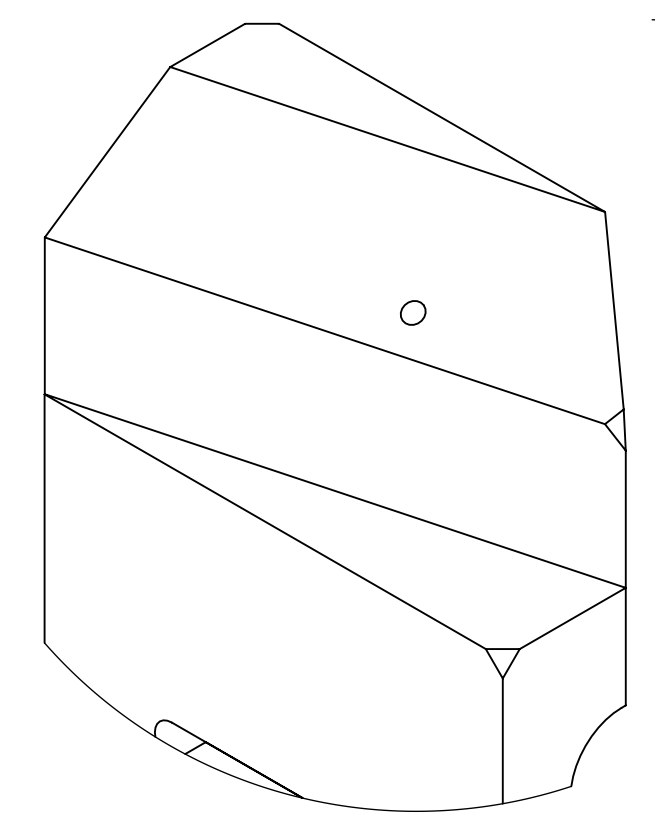
±.281 POCKET

1.94

CORNER CHAMFER

2X R.13

2X .25 X 45° CHAMFER

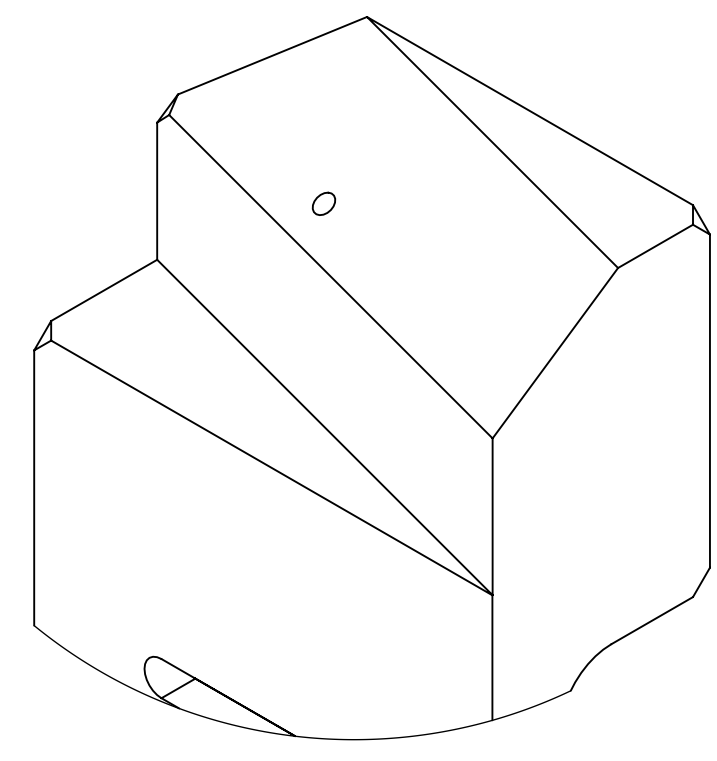


ISO VIEW, REAR-LEFT

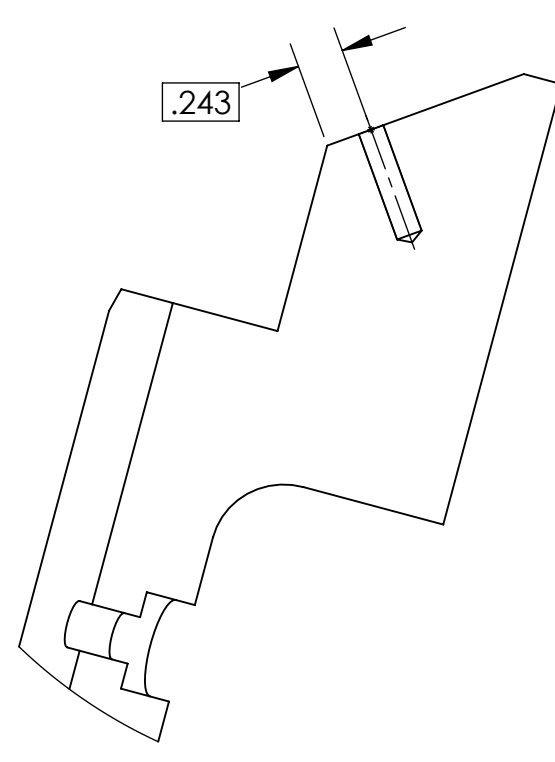
DIMENSIONS ARE IN INCHES		NOTES AND TOLERANCES: (UNLESS OTHERWISE SPECIFIED)	
TOLERANCES: .XX ± .01 .XXX ± .005		1. INTERPRET DRAWING PER ASME Y14.5-1994. 2. REMOVE ALL SHARP EDGES, .005-.015. FOR MACHINED PARTS. ROUND ALL EDGES APPROXIMATELY R.02. 3. DO NOT SCALE FROM DRAWING. 4. ALL MACHINING FLUIDS MUST BE FULLY SYNTHETIC, FULLY WATER SOLUBLE AND FREE OF SULFUR, SILICONE, AND CHLORINE.	
ANGULAR ± 1.0°	MATERIAL 6061-T6 Al	FINISH 63 μinch	

LIGO CALIFORNIA INSTITUTE OF TECHNOLOGY MASSACHUSETTS INSTITUTE OF TECHNOLOGY		PART NAME VISIBLE ALIGNMENT MIRROR BRACKET	
SYSTEM ADVANCED LIGO	SUB-SYSTEM AOS	DESIGNER M. JACOBSON	05-SEPT-2012
CHECKER M. JACOBSON	08-NOV-2012	SIZE D	DWG. NO. D1201309
APPROVAL	08-NOV-2012	REV. v1	
SCALE: 1:1		PROJECTION:	SHEET 1 OF 2

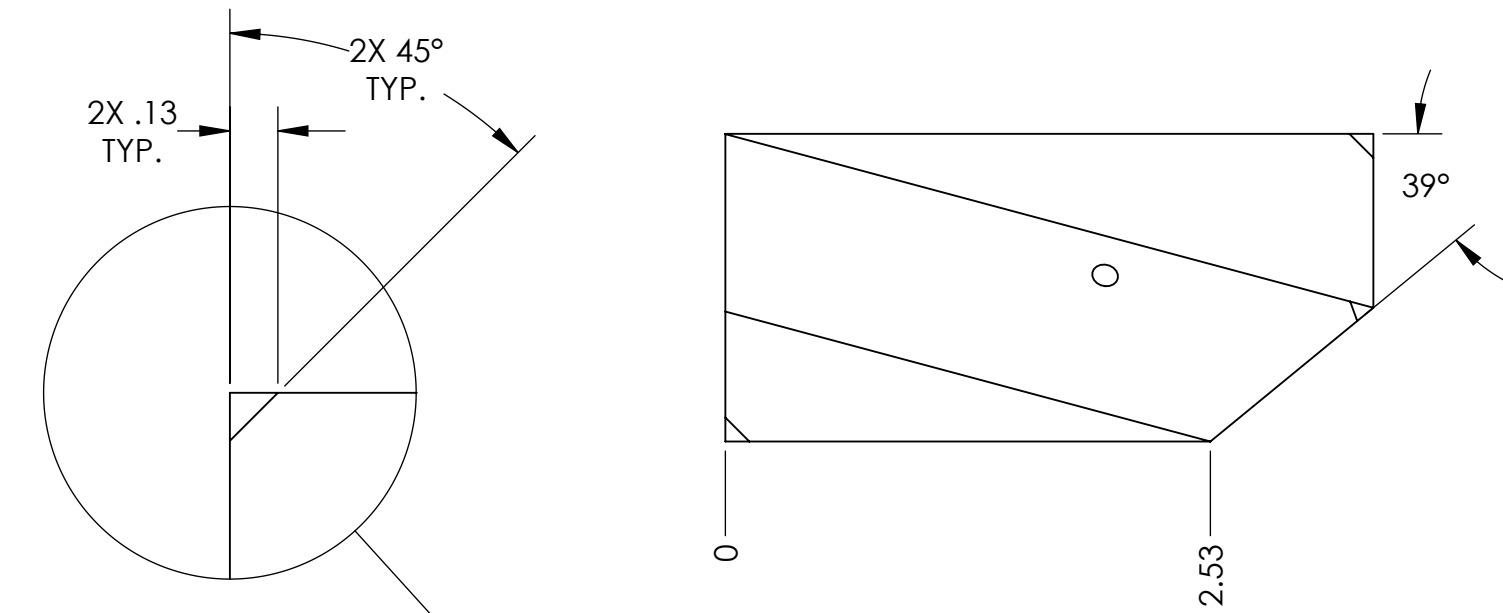
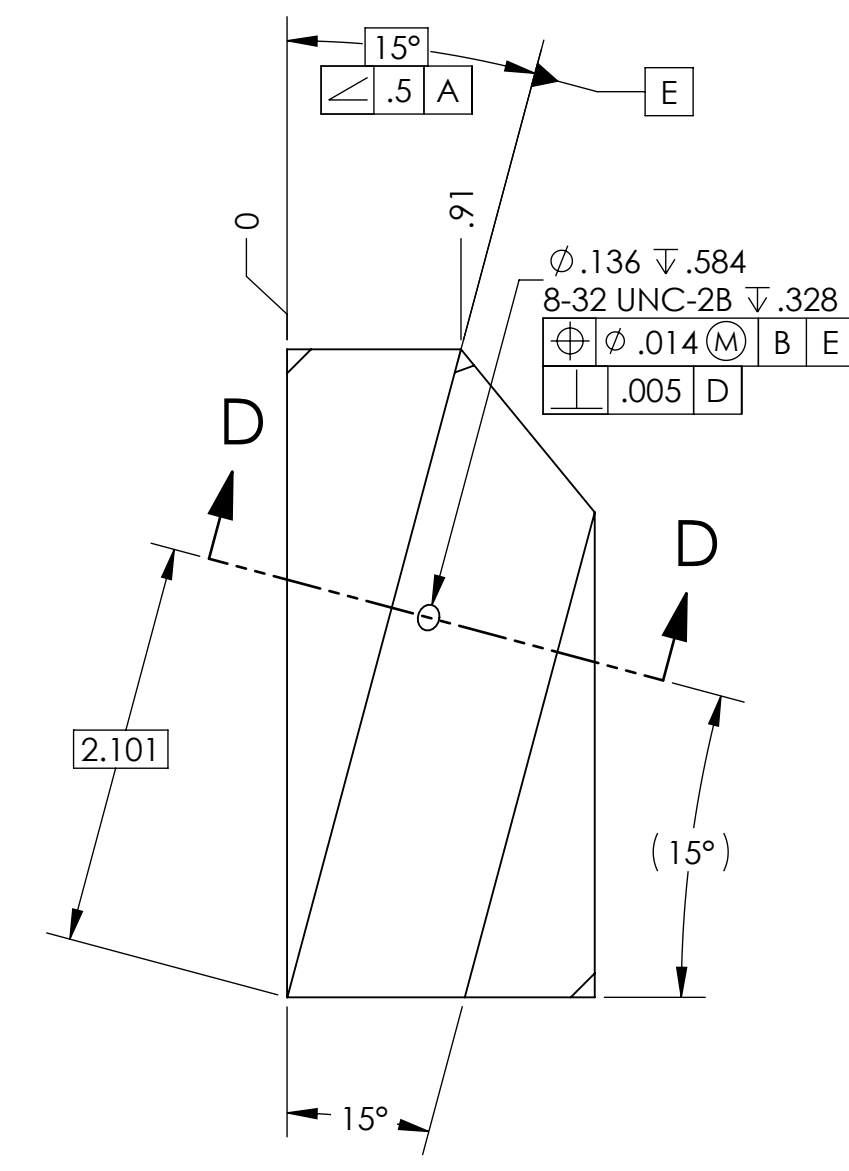
D1201309_VISIBLE ALIGNMENT MIRROR BRACKET PART PDM REV: X.003 DRAWING PDM REV: X.002



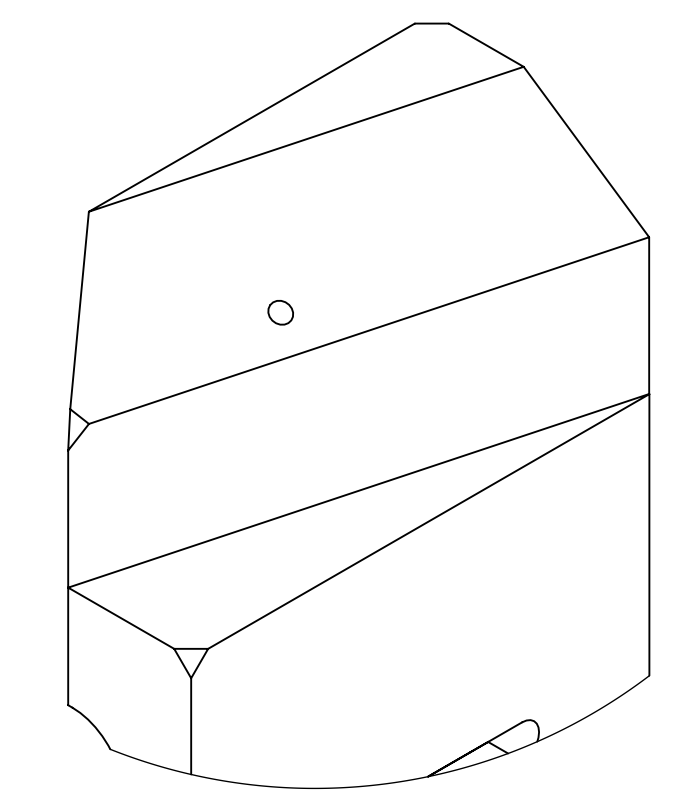
ISO VIEW, REAR-LEFT



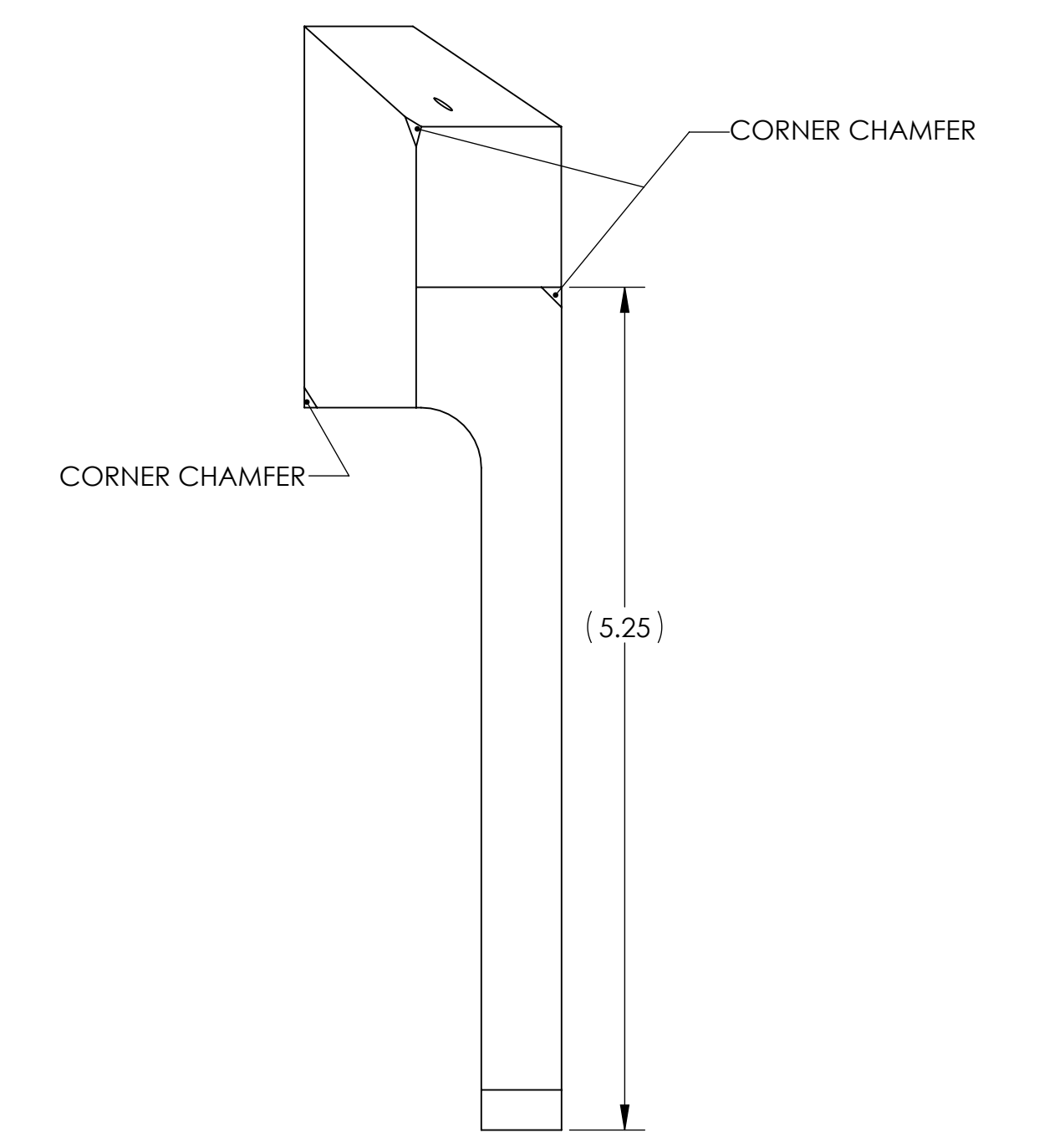
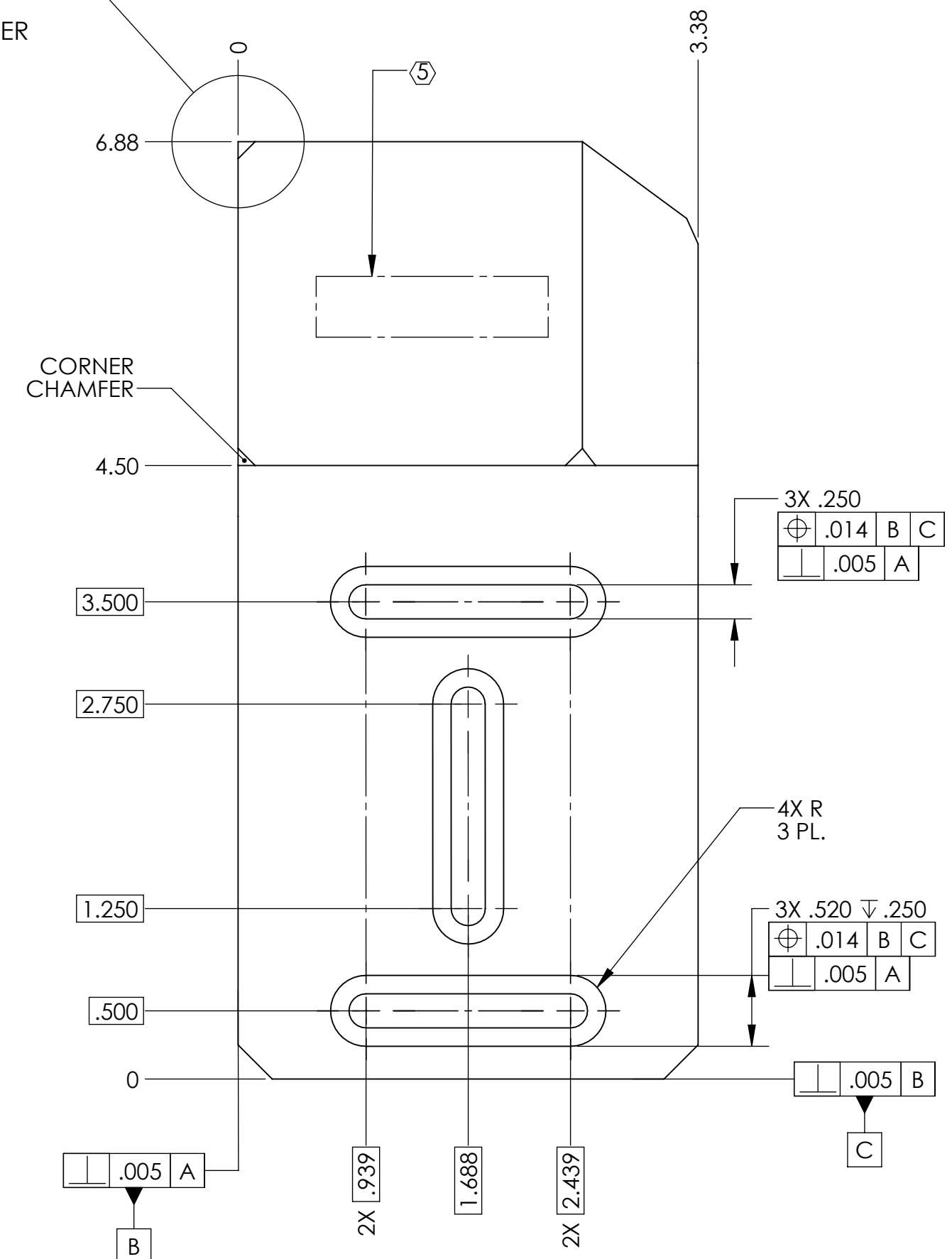
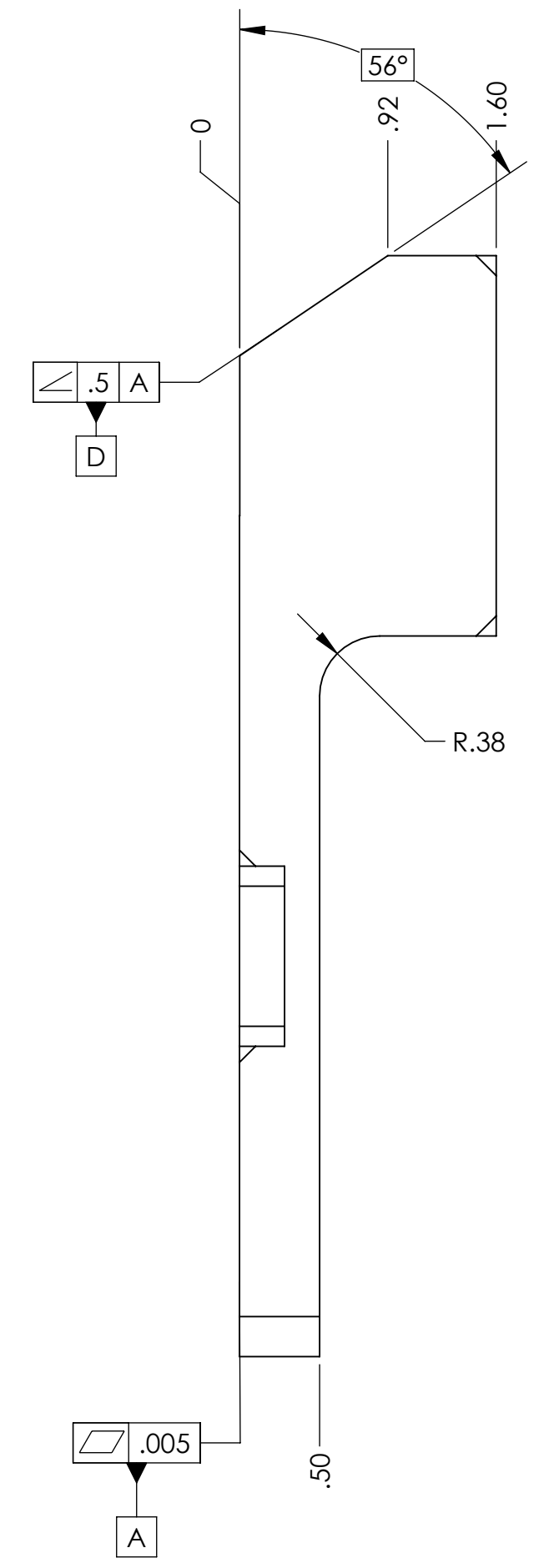
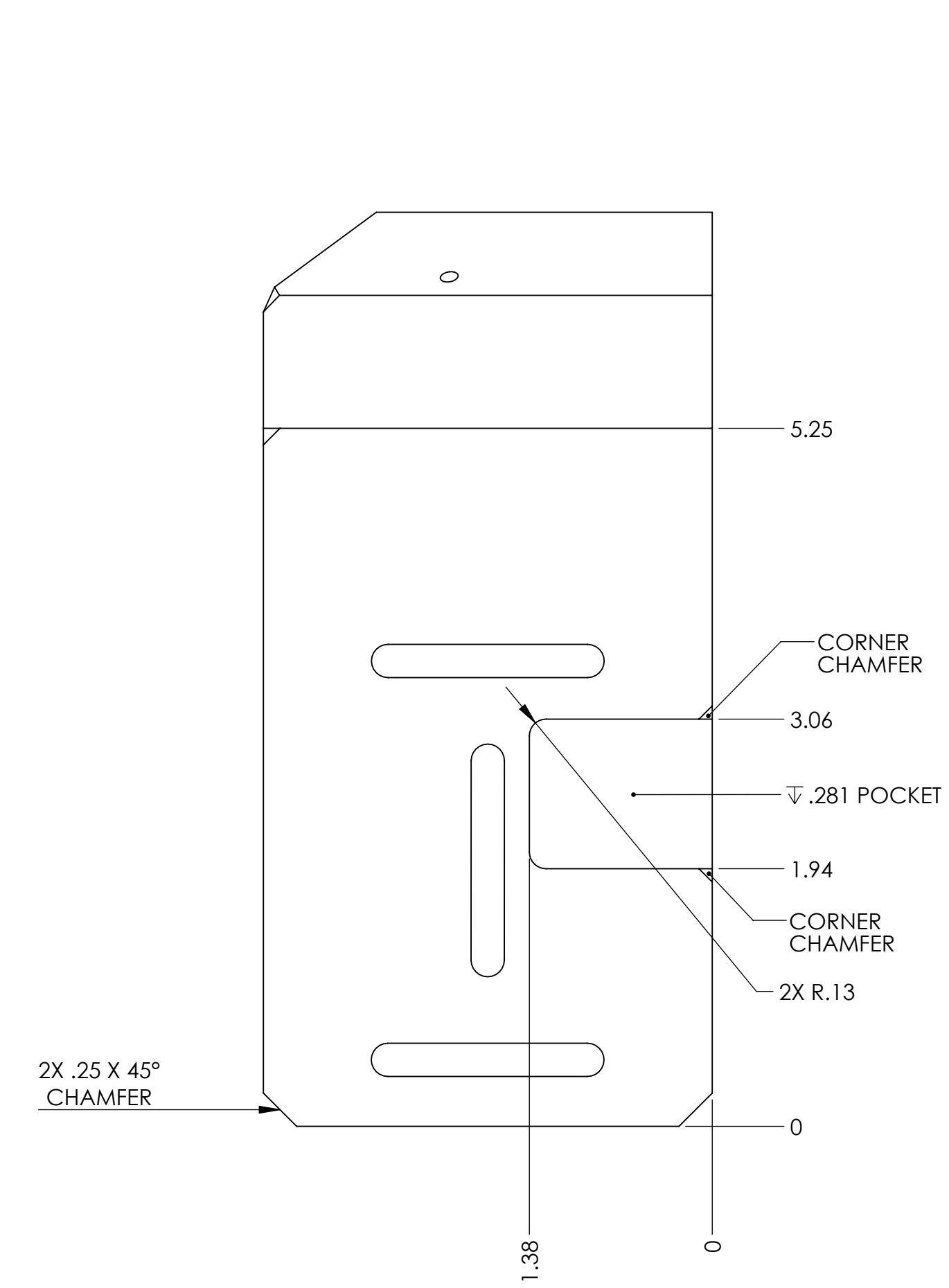
SECTION D-D



DETAIL C
SCALE 2:1
TYP. CORNER CHAMFER
7 PLACES



ISO VIEW, REAR-RIGHT



-02 DETAIL

CALIFORNIA INSTITUTE OF TECHNOLOGY MASSACHUSETTS INSTITUTE OF TECHNOLOGY	
SIZE DWG. NO.	REV.
D D1201309	v1
SCALE: 1:1	PROJECTION:
SHEET 2 OF 2	

D1201309_VIBBLE ALIGNMENT MIRROR BRACKET PART PDM REV: X.003 DRAWING PDM REV: X.002