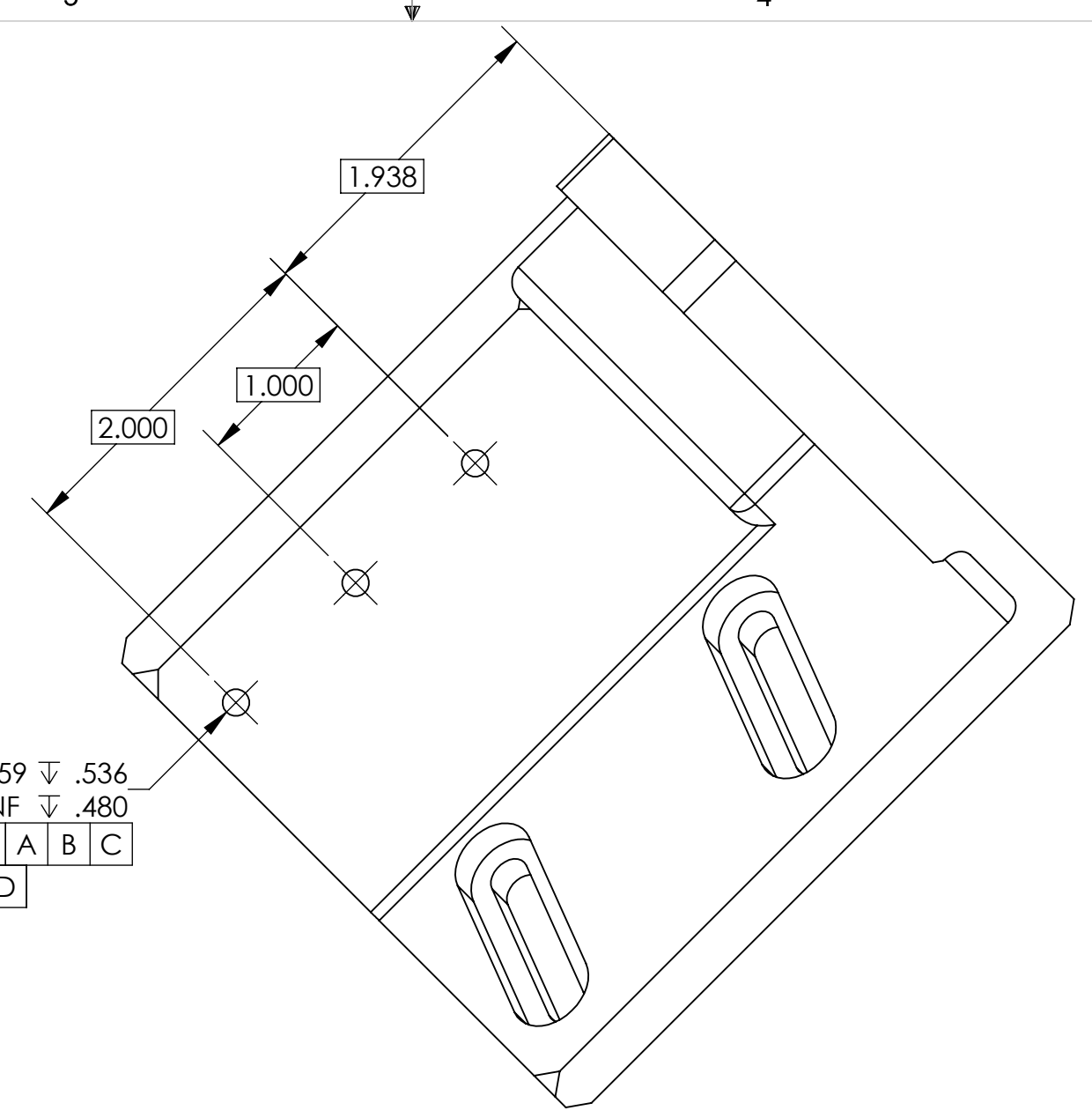
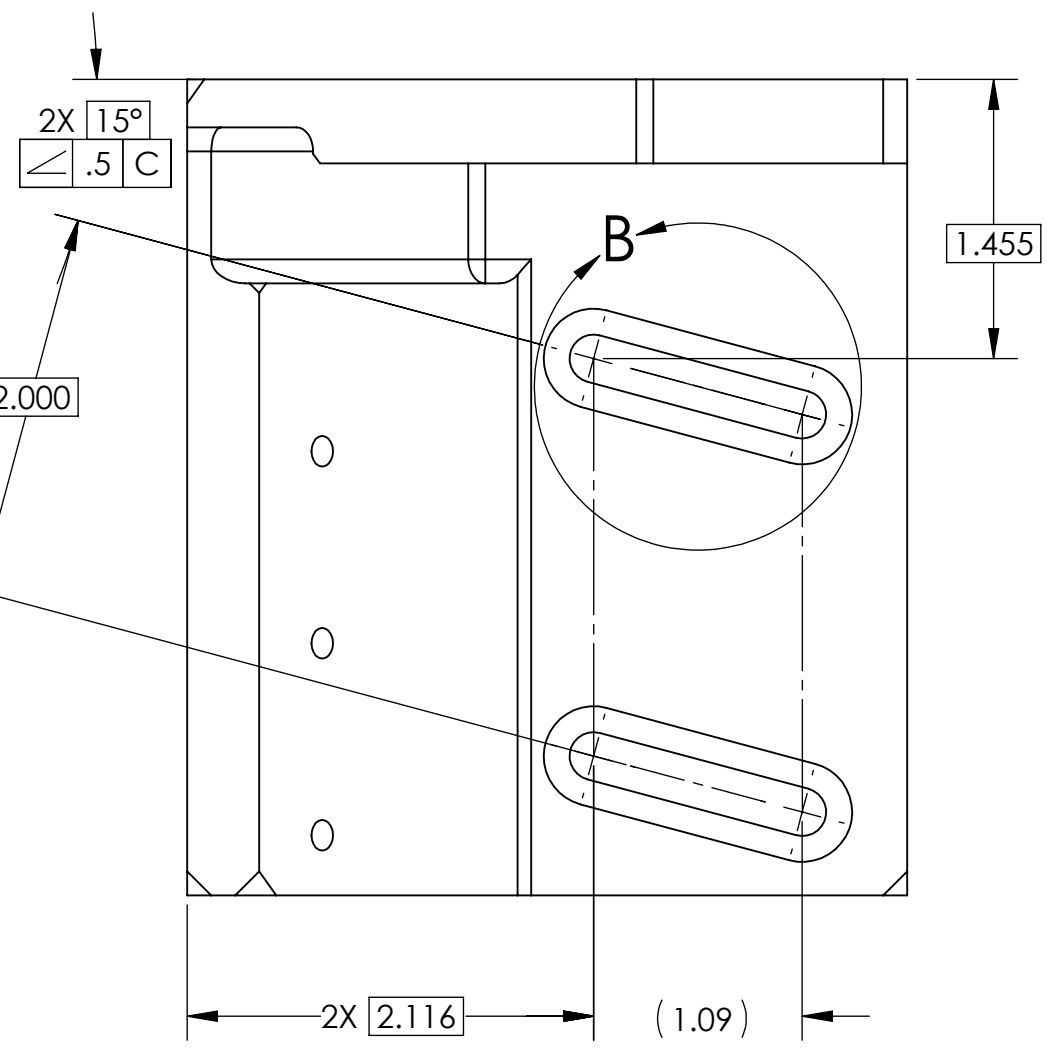
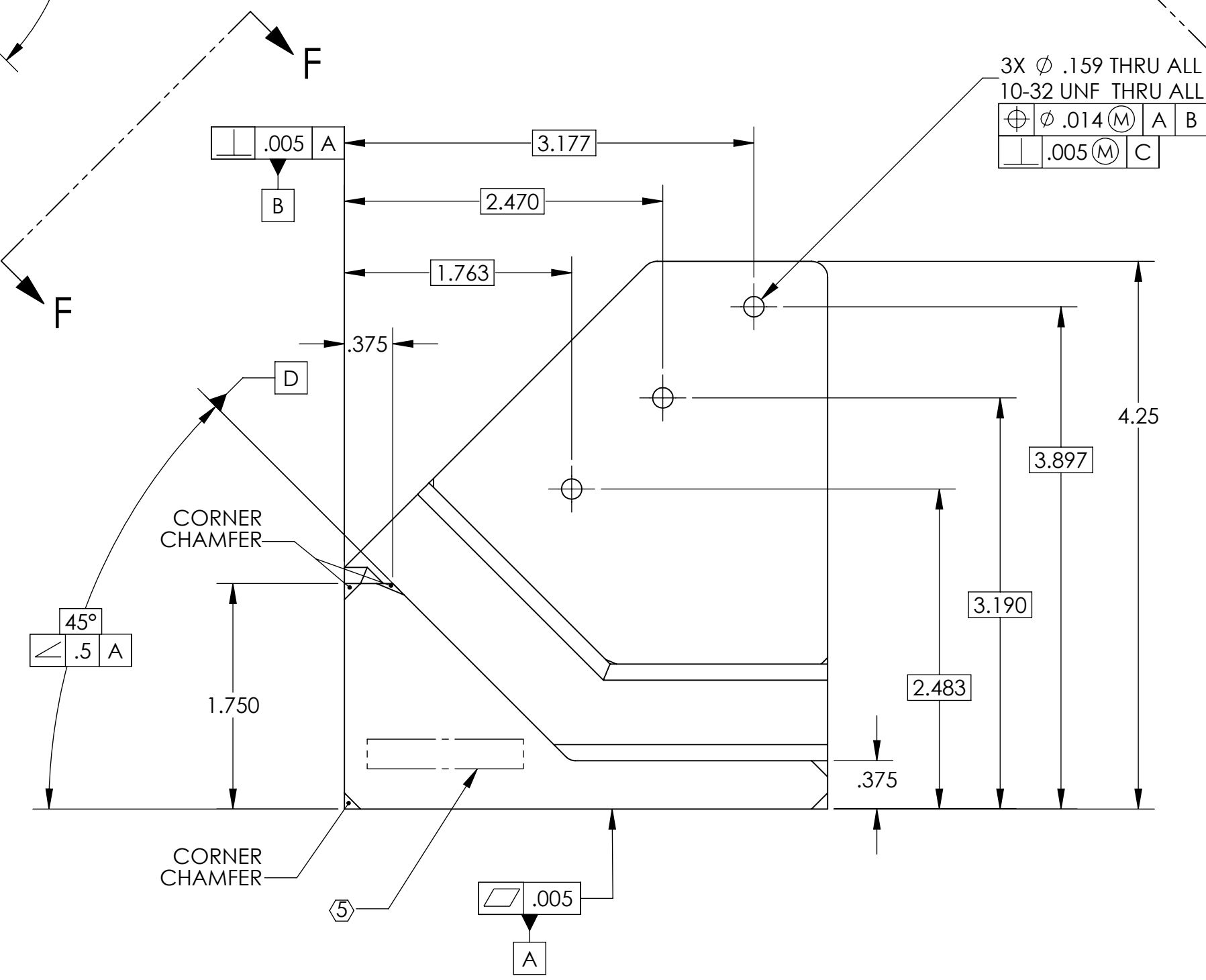
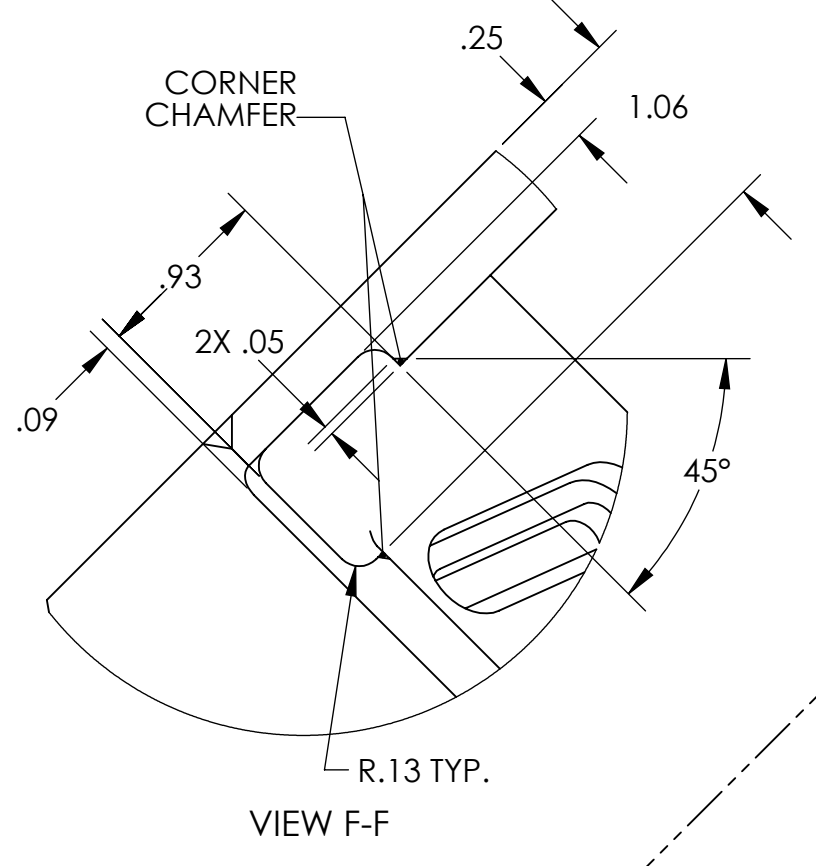
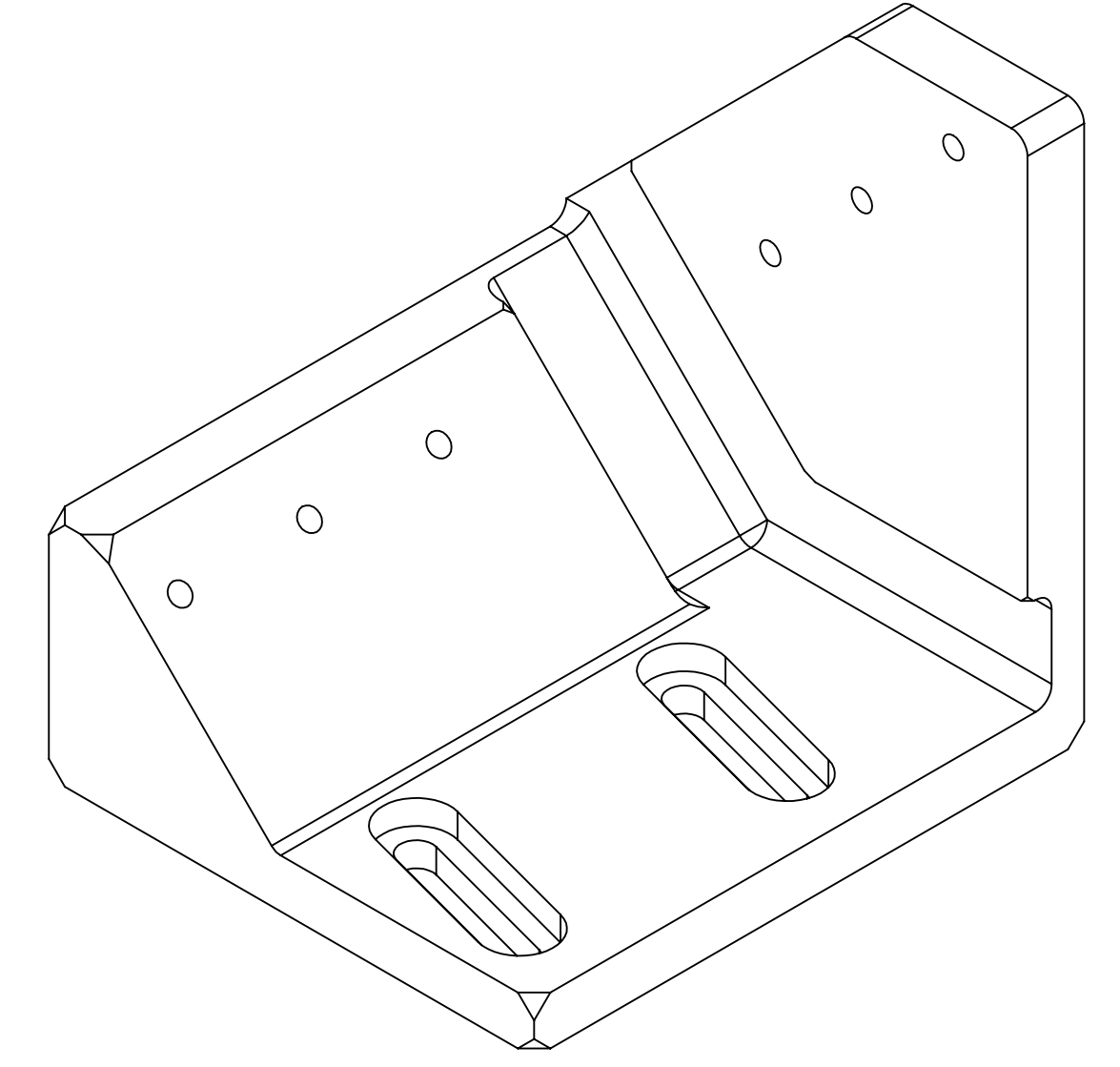


- NOTES CONTINUED:**
- SCRIBE, ENGRAVE (A VIBRATORY TOOL MAY BE USED), LASER MARK OR MECHANICALLY STAMP (NO INKS OR DYES) DRAWING PART NUMBER, REVISION (AND VARIANT OR "TYPE" IF APPLICABLE) ON NOTED SURFACE OF PART FOLLOWED ON THE NEXT LINE WITH A THREE DIGIT SERIAL NUMBER. SERIAL NUMBERS START AT 001 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
  - APPROXIMATE WEIGHT = 1.23 LB.
  - MACHINE ALL SURFACES TO REMOVE OXIDES AND MILL FINISH. USE OF ABRASIVE REMOVAL TECHNIQUES IS NOT ALLOWED. REFER TO LIGO-ED900364
  - ALL PARTS SHALL BE MANUFACTURED IN ACCORDANCE WITH LIGO SPECIFICATION ED900364.
  - 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-ED900364.



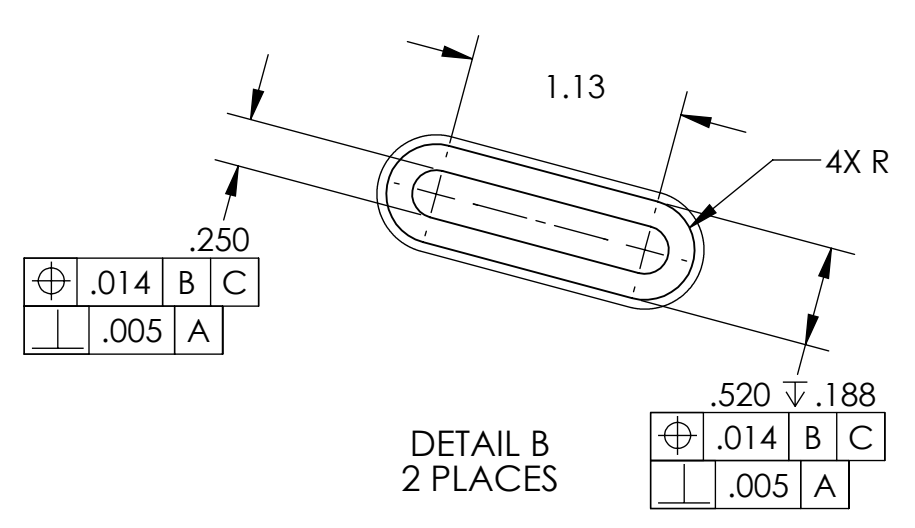
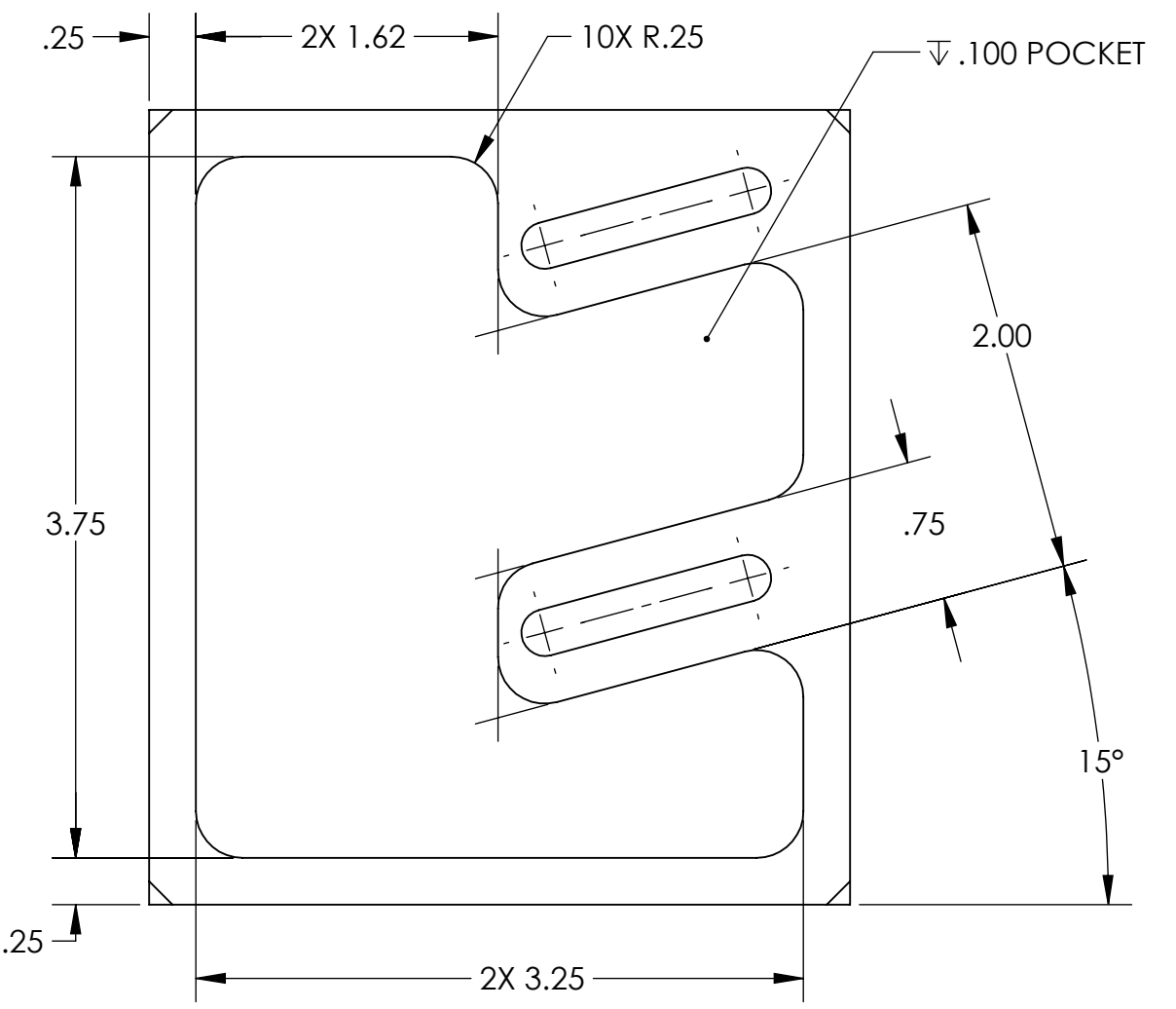
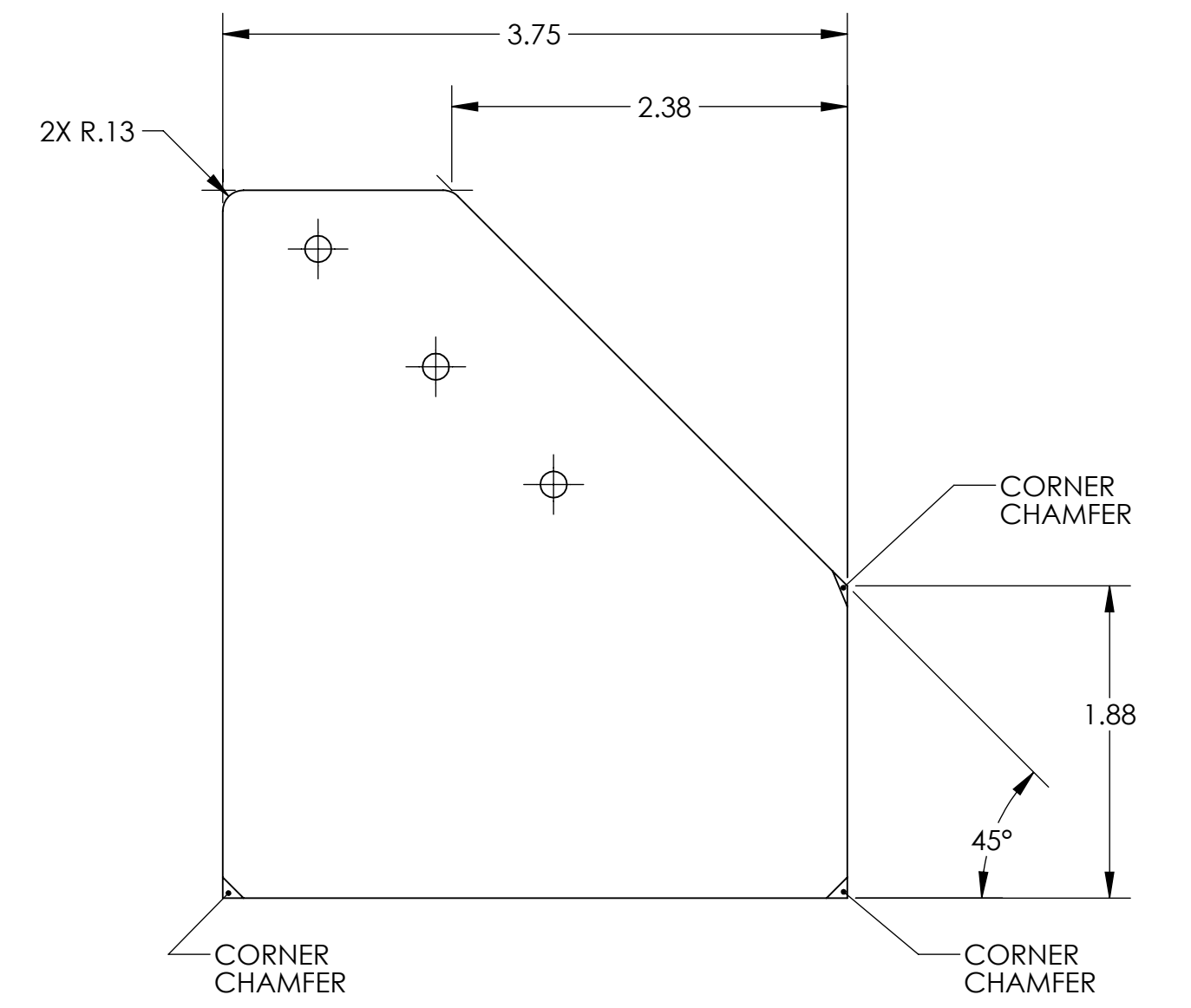
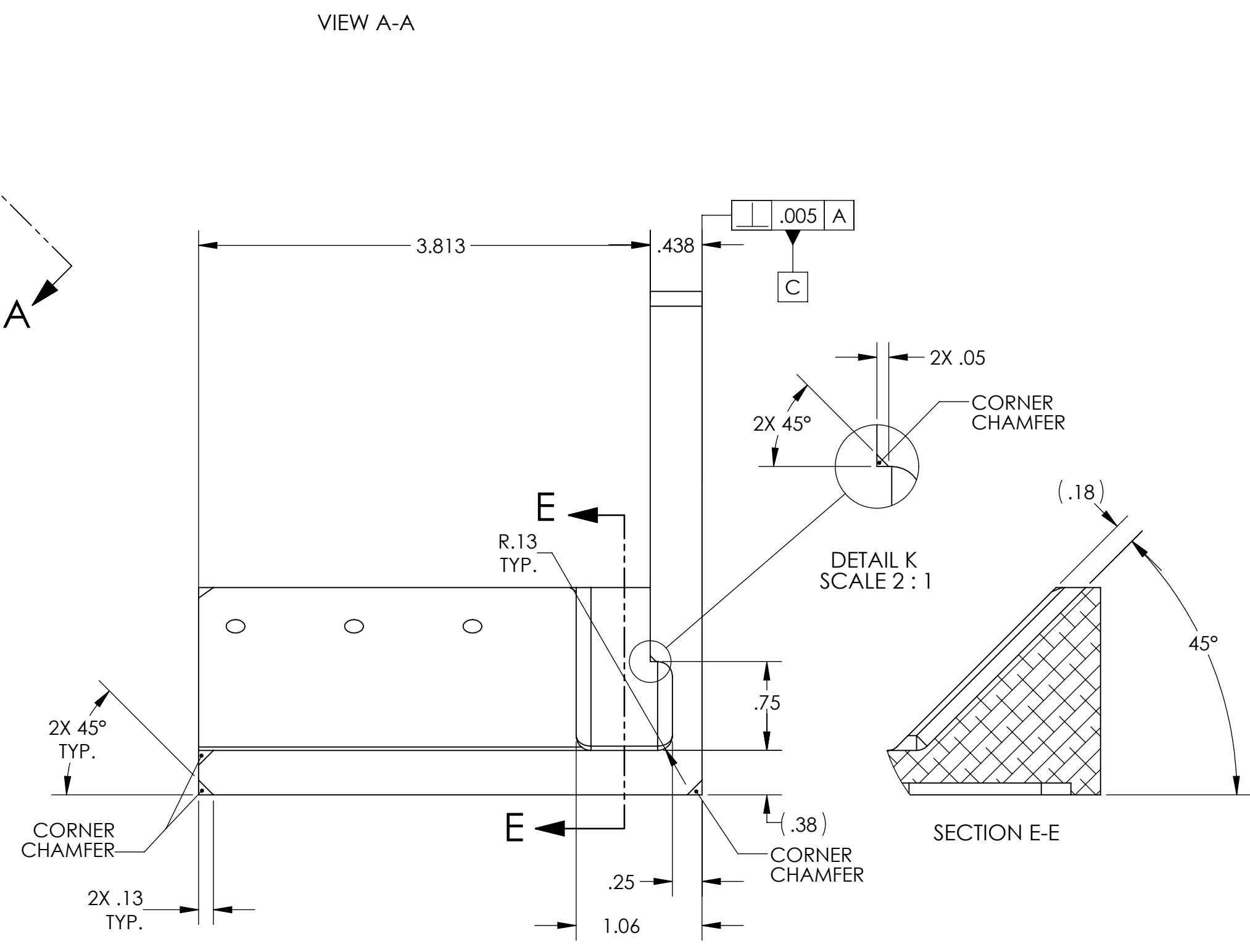
General Table	
TYPE	DESCRIPTION
-01	X-arm
-02	Y-arm

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



3X $\phi$ .159 $\nabla$ .536			
10-32 UNF $\nabla$ .480			
$\phi$ .014 (M) A B C			
.005 (M) D			

3X $\phi$ .159 THRU ALL			
10-32 UNF THRU ALL			
$\phi$ .014 (M) A B			
.005 (M) C			



**-01 DETAIL**

DIMENSIONS ARE IN INCHES	
TOLERANCES: .XX ± .01 .XXX ± .005	
ANGULAR ± 1.0°	
NOTES AND TOLERANCES: (UNLESS OTHERWISE SPECIFIED)	
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.	
MATERIAL	FINISH
6061-T6 Al	63 μinch

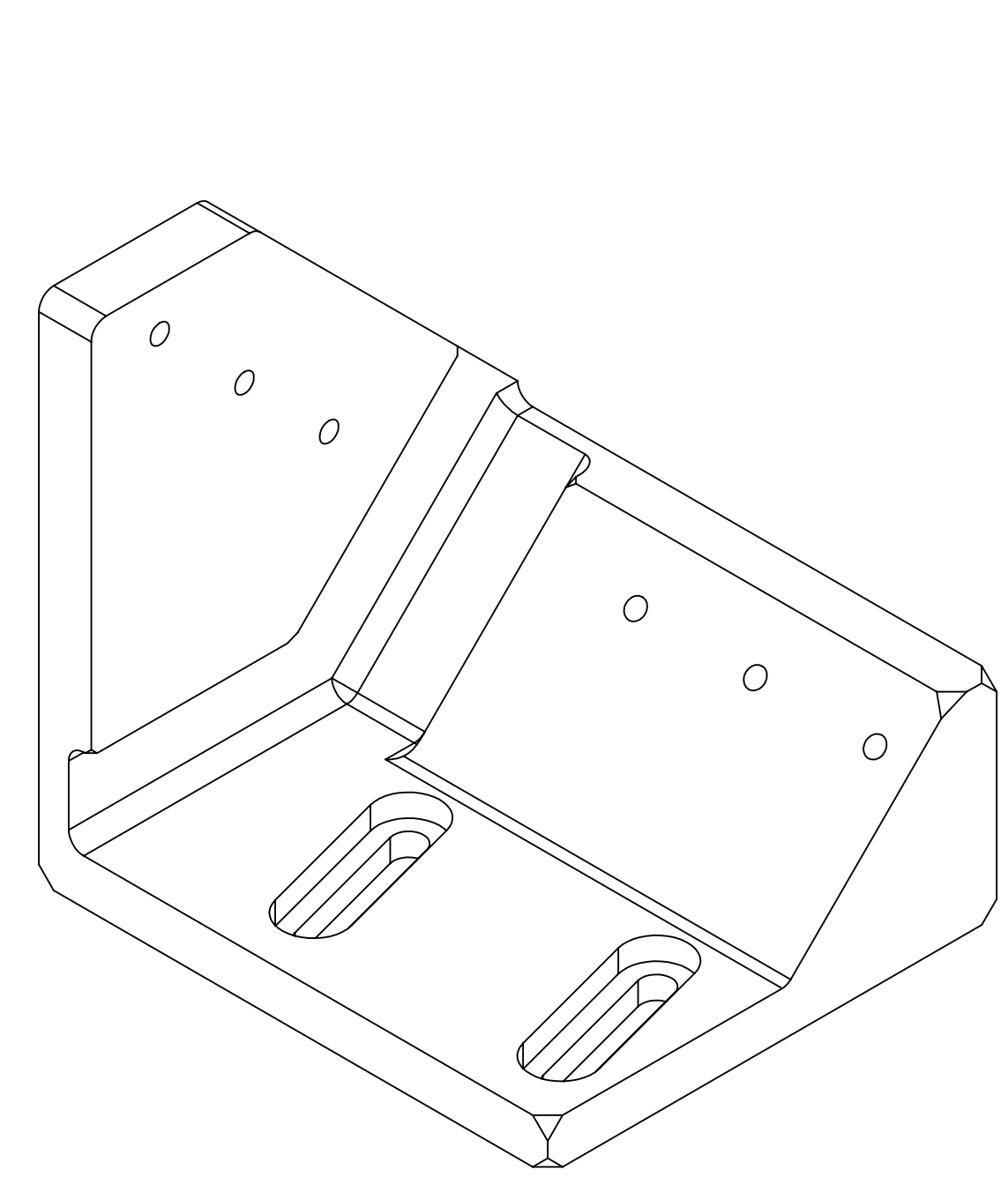
LIGO CALIFORNIA INSTITUTE OF TECHNOLOGY MASSACHUSETTS INSTITUTE OF TECHNOLOGY	
SYSTEM	SUB-SYSTEM
ADVANCED LIGO	AOS
NEXT ASSY	
D1201400	

PART NAME				LOWER PERISCOPE MIRROR MOUNT, aLIGO TCS CO2P, H1-L1	
DESIGNER	M. JACOBSON	26 JUL 2012	SIZE	DWG. NO.	
DRAFTER	E.SANCHEZ	08 NOV 2012	D	D1201068	
CHECKER	M. JACOBSON	08 NOV 2012	APPROVAL	SCALE: 1:1	PROJECTION:
					SHEET 1 OF 2

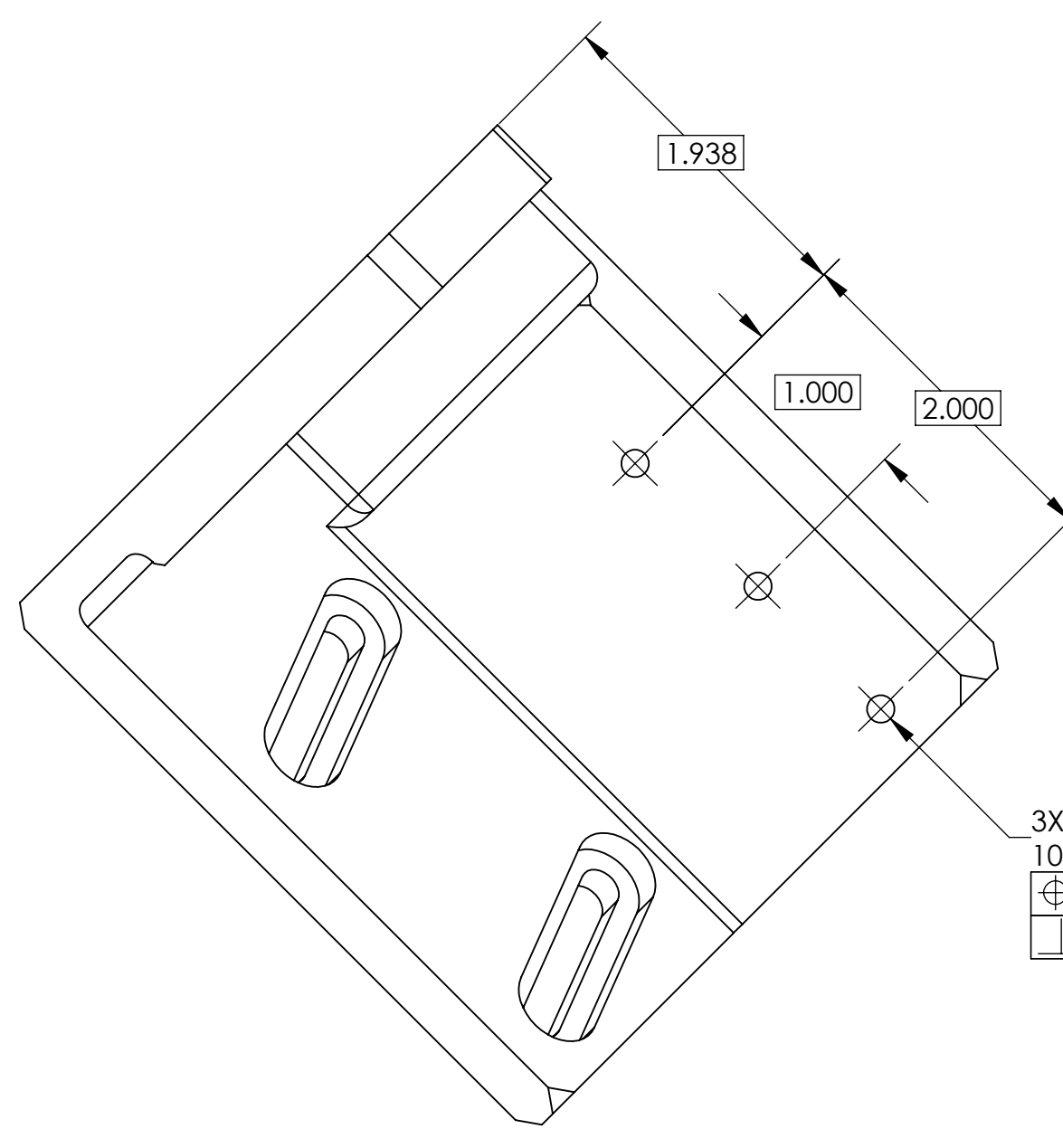
D1201068\_LOWER PERISCOPE MIRROR MOUNT, aLIGO TCS CO2P, H1-L1, PART PDM REV: X-017, DRAWING PDM REV: X-009

8 7 6 5 4 3 2 1

H  
G  
F  
E  
D  
C  
B  
A

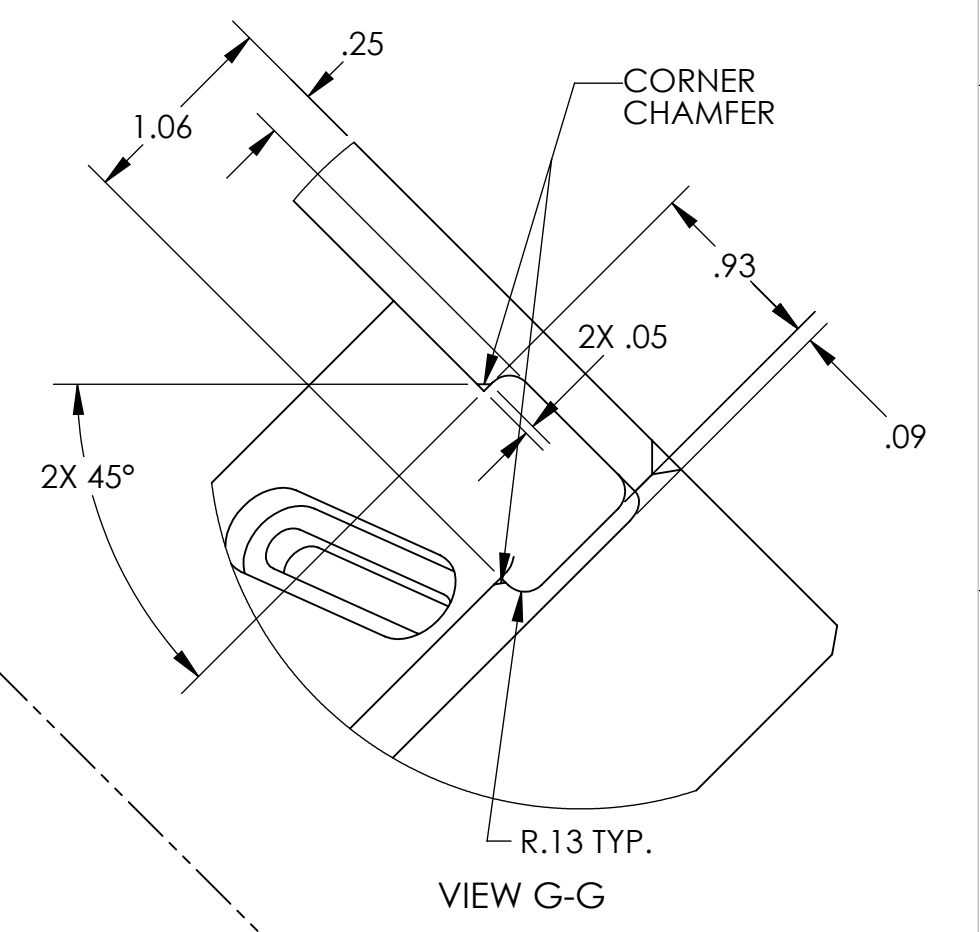
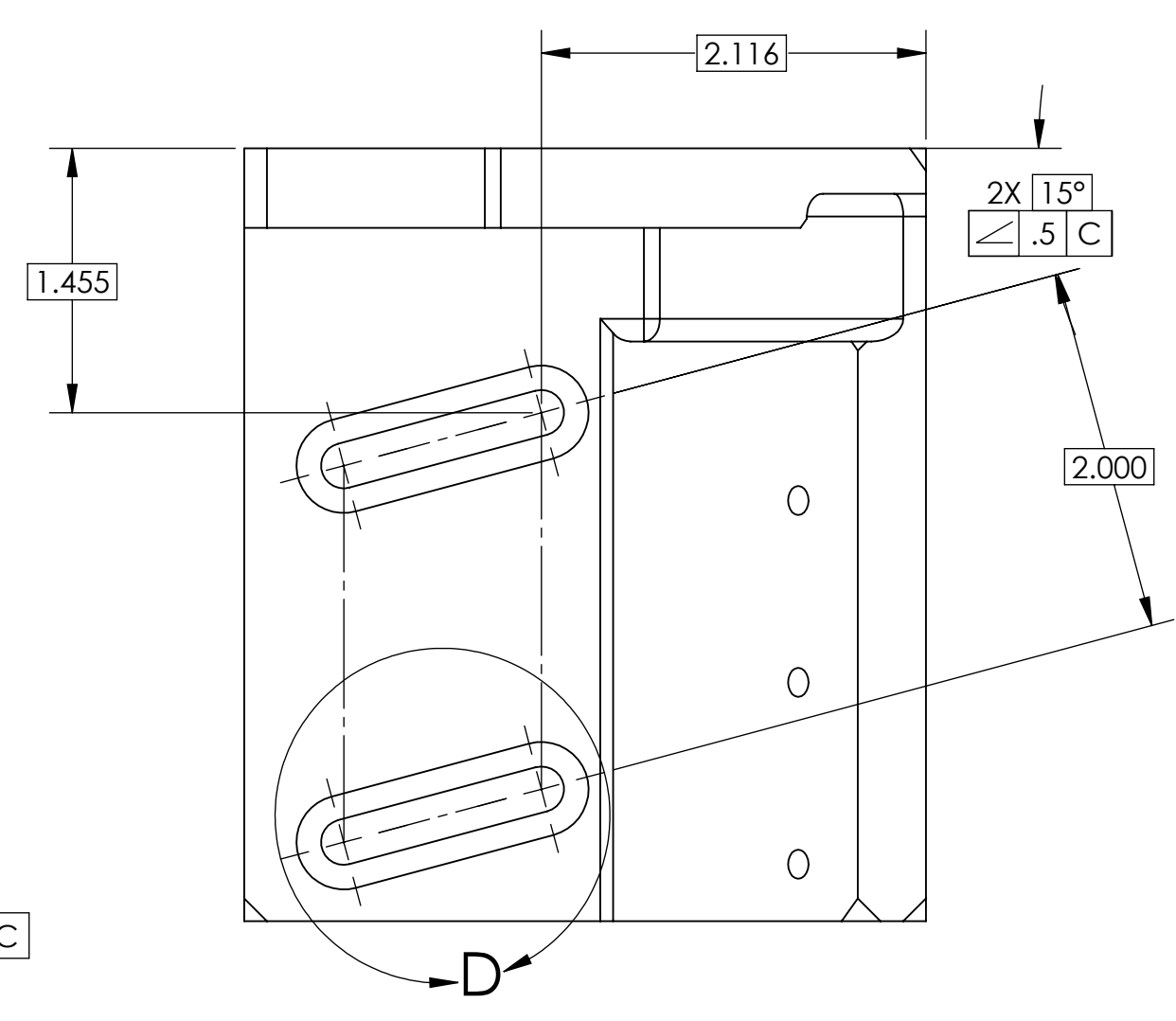


ISO VIEW

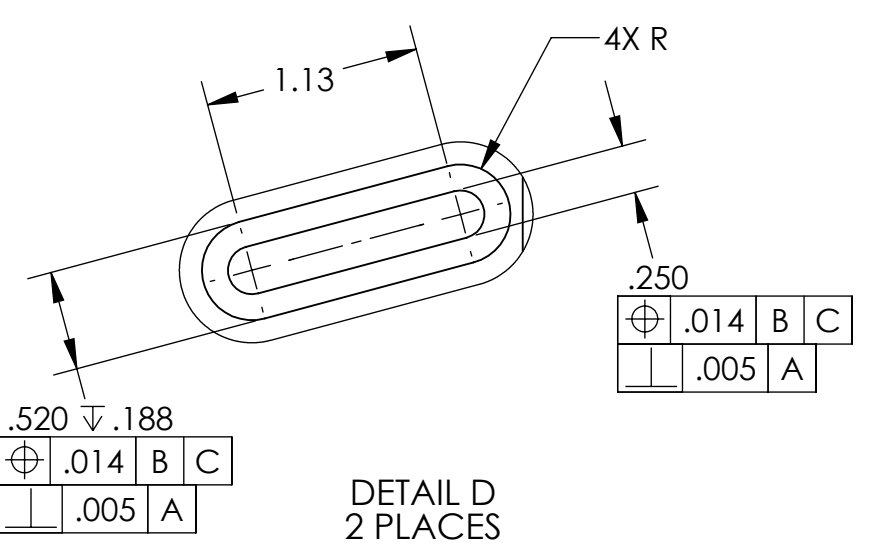
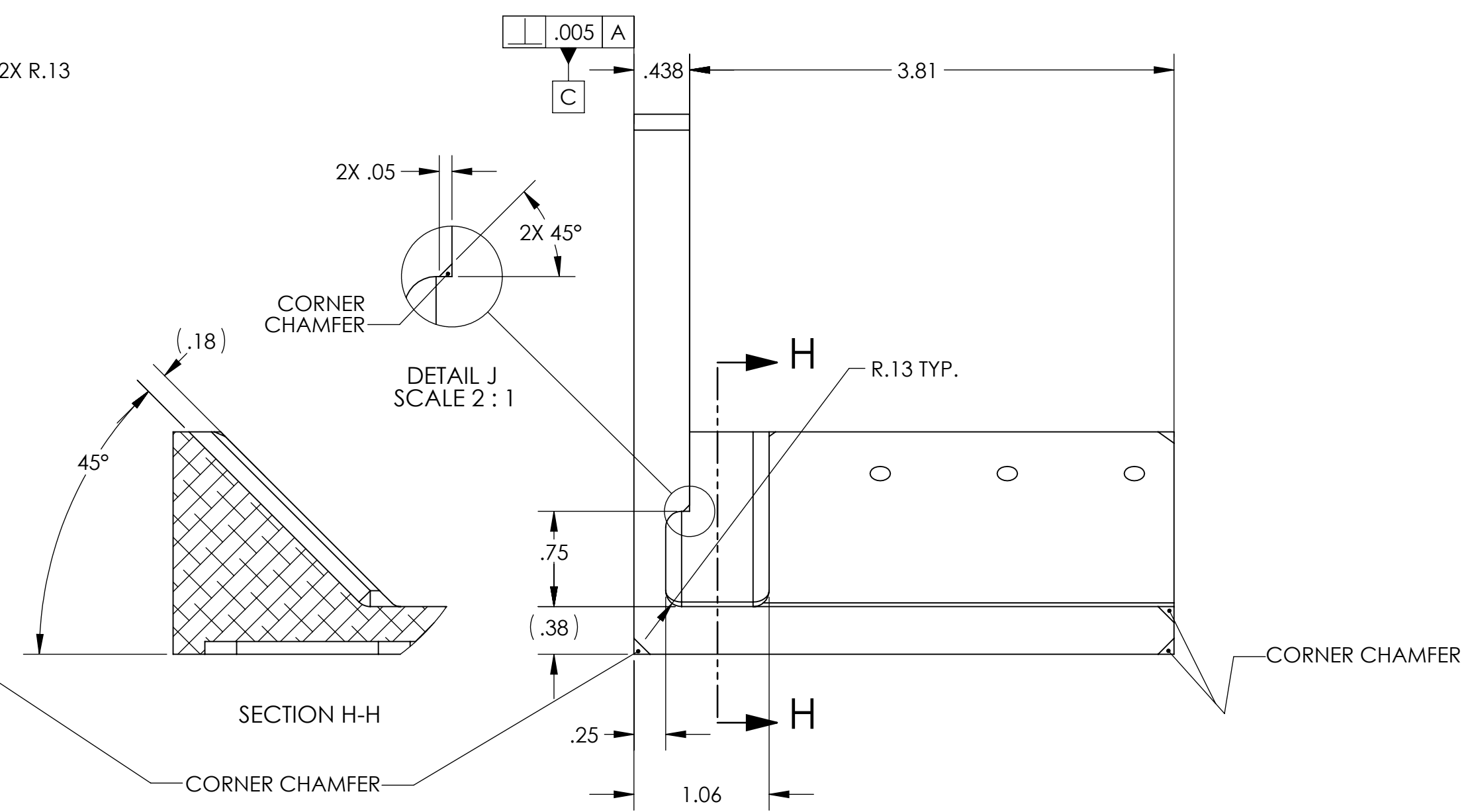
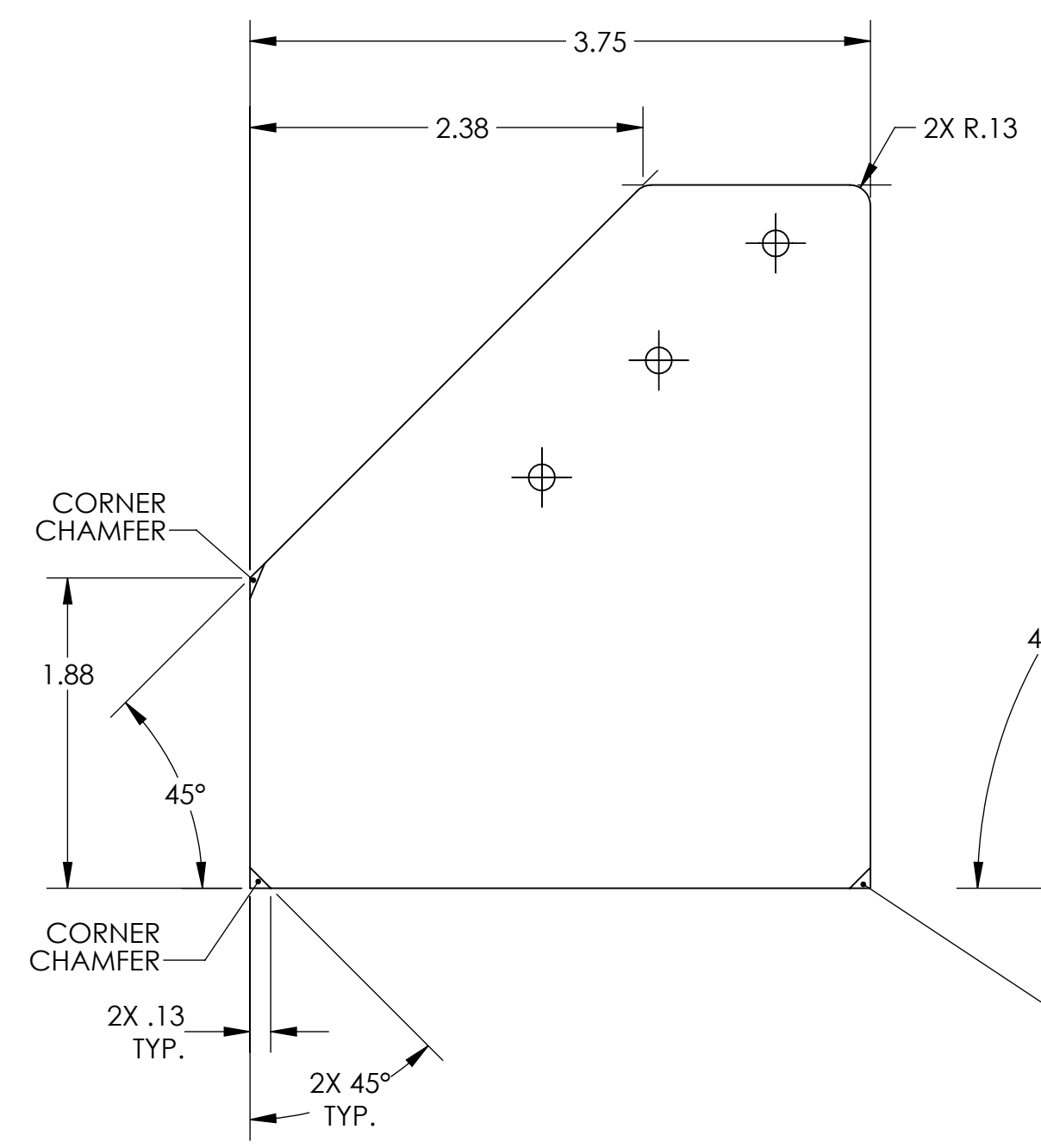


VIEW C-C

3X  $\phi$ .159  $\nabla$ .536  
10-32 UNF  $\nabla$ .480  
 $\oplus$   $\phi$ .014 (M) A B C  
 $\square$  .005 (M) D

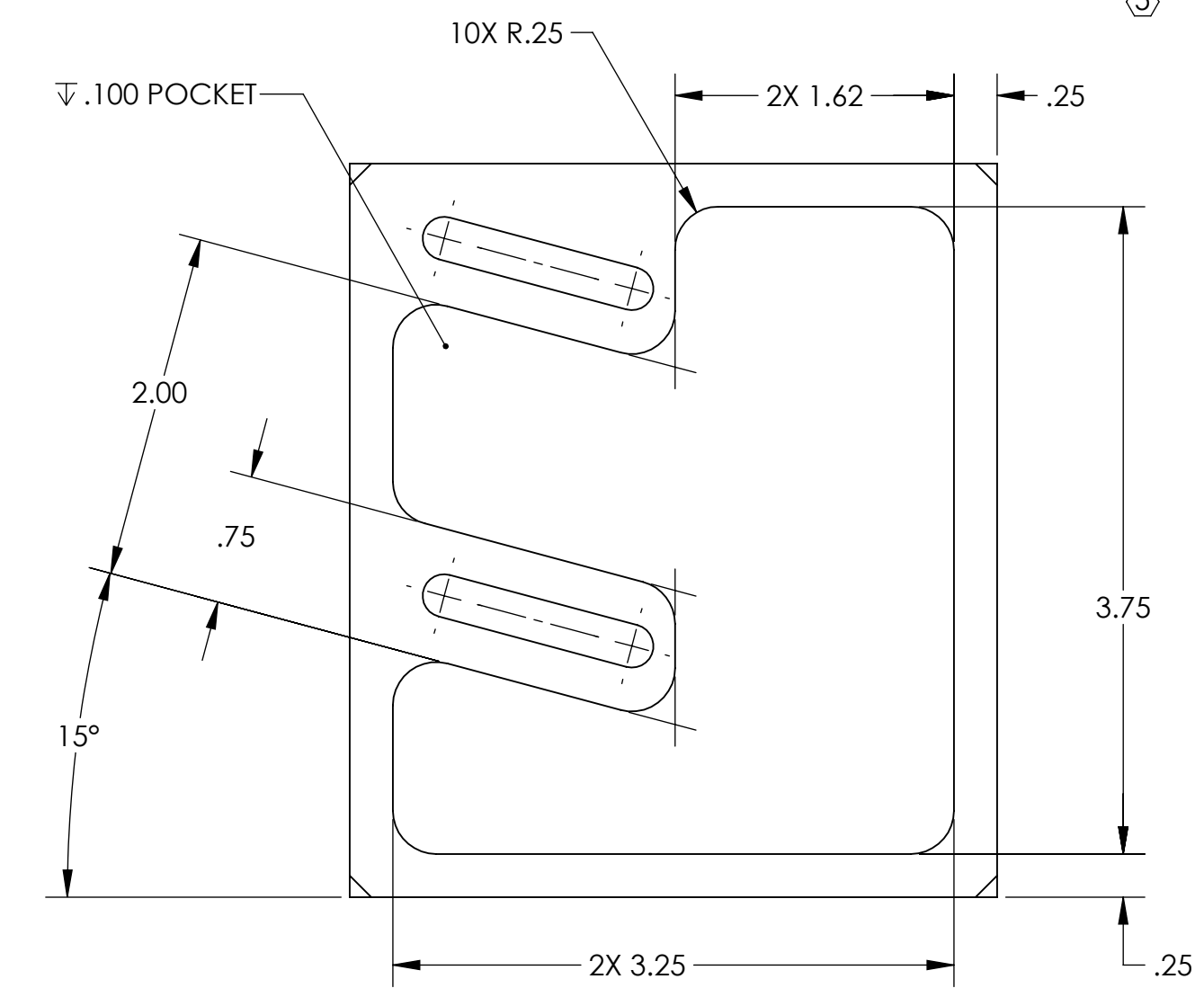
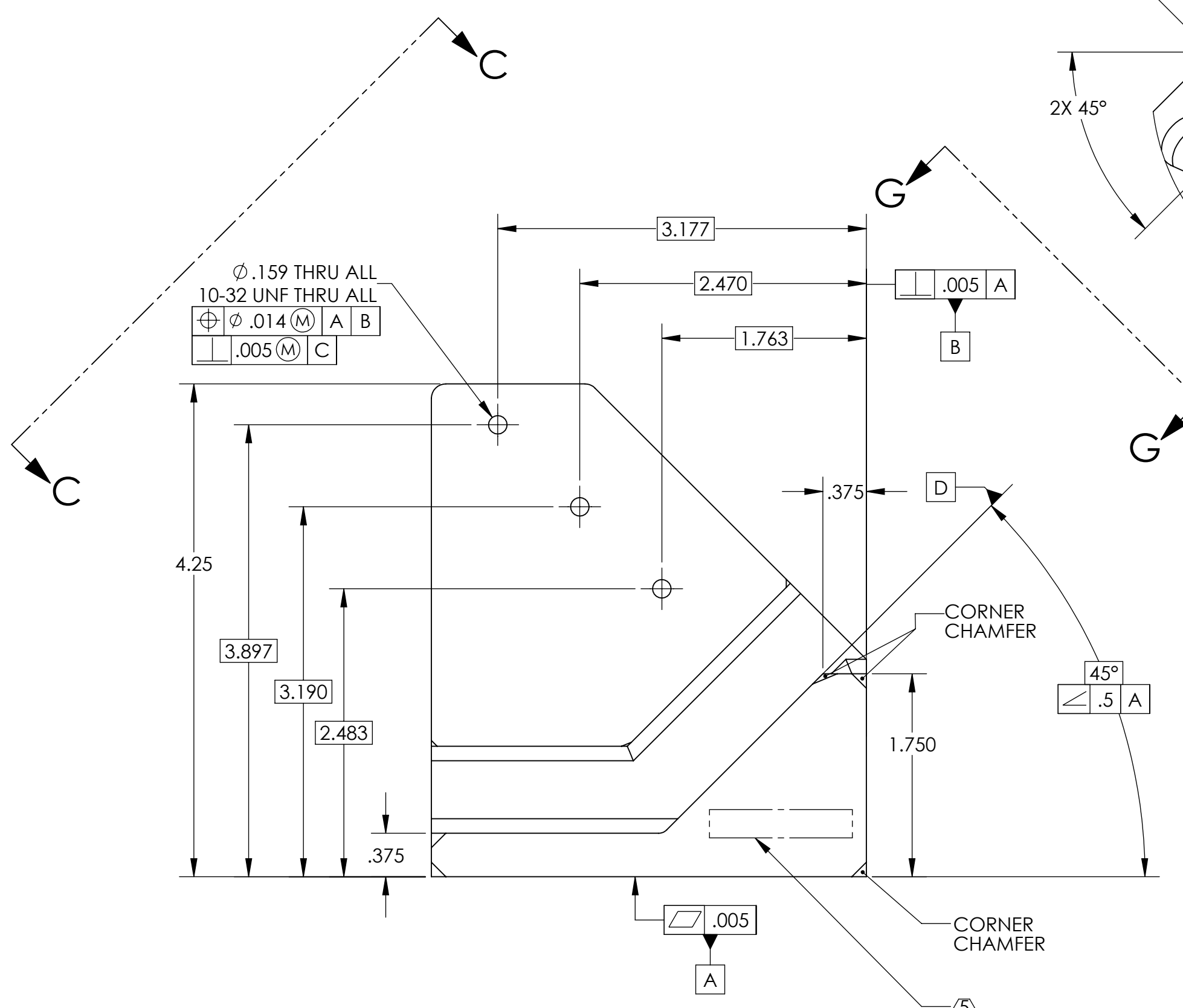


VIEW G-G



DETAIL D 2 PLACES

-02 DETAIL



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MASSACHUSETTS INSTITUTE OF TECHNOLOGY

SIZE DWG. NO.	REV.
D D1201068	v1
SCALE: 1:1	PROJECTION:

SHEET 2 OF 2

8 7 6 5 4 3 2 1

D1201068\_LOWER\_PERISCOPE\_MOUNT\_CALICO\_TCS\_CO2P\_H1-L1\_PART\_PDM\_REV-X017\_DRAWING\_PDM\_REV-X009