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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

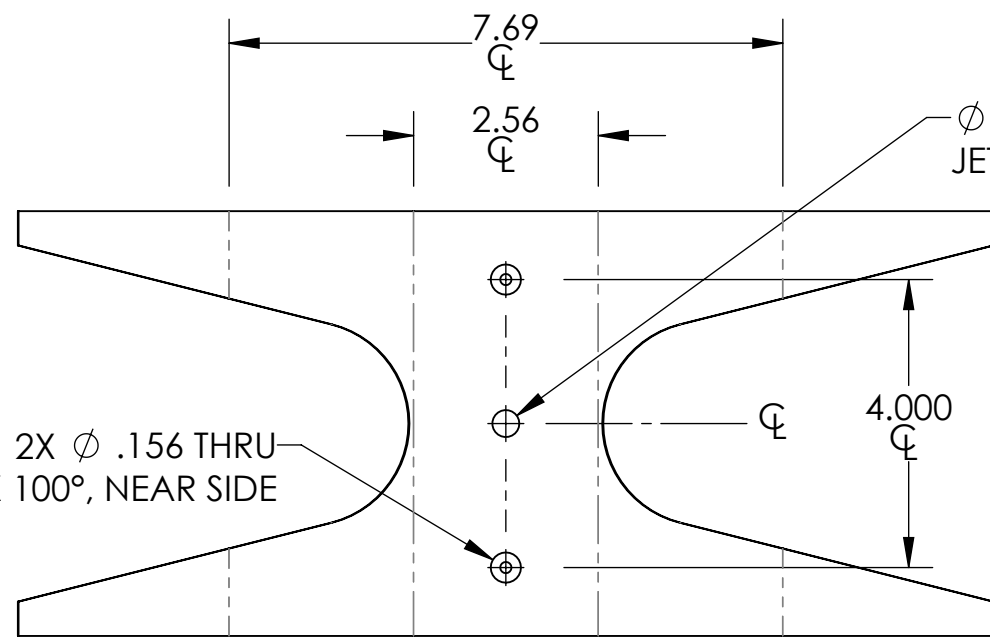
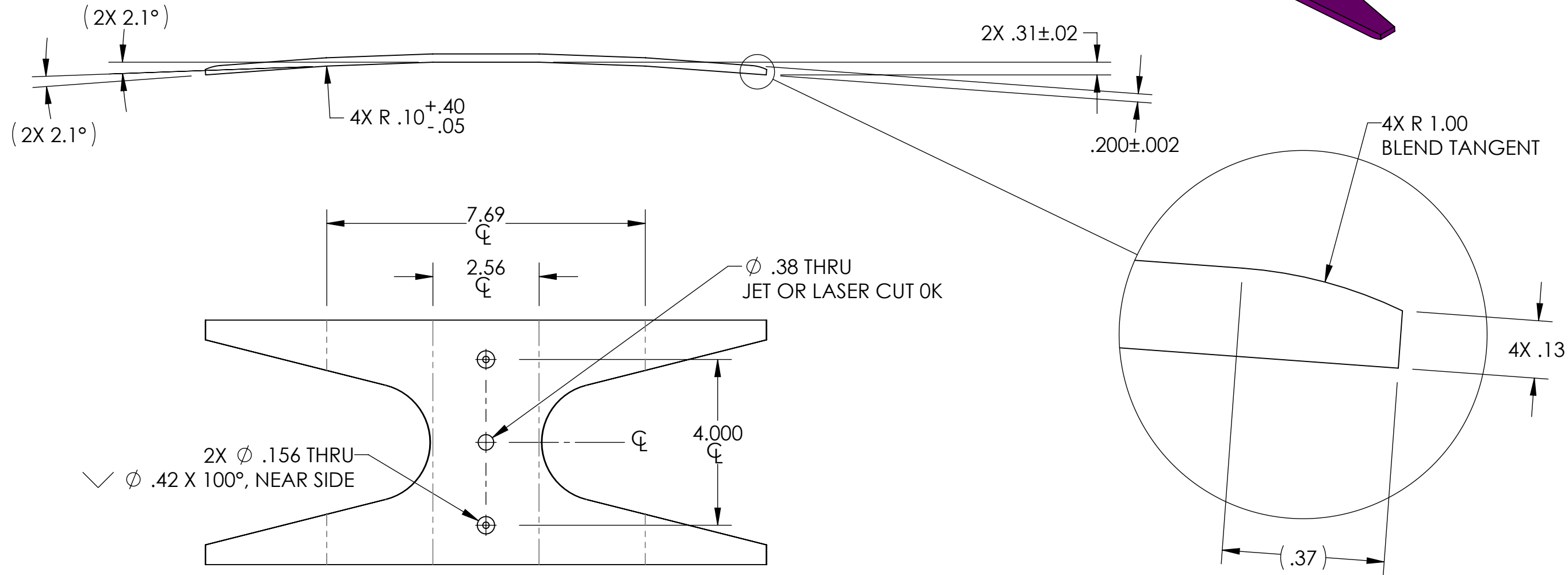
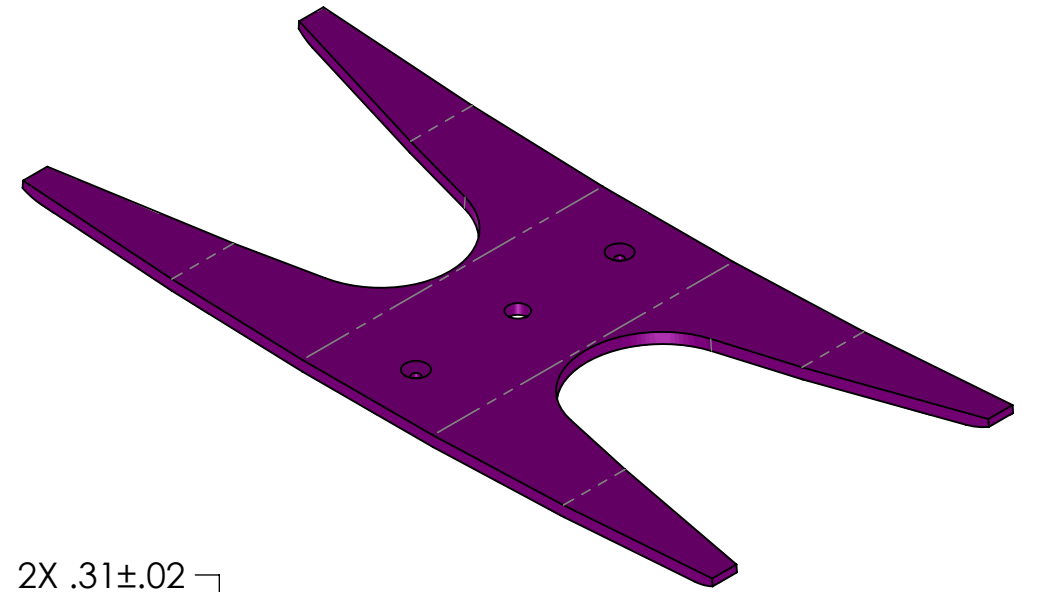
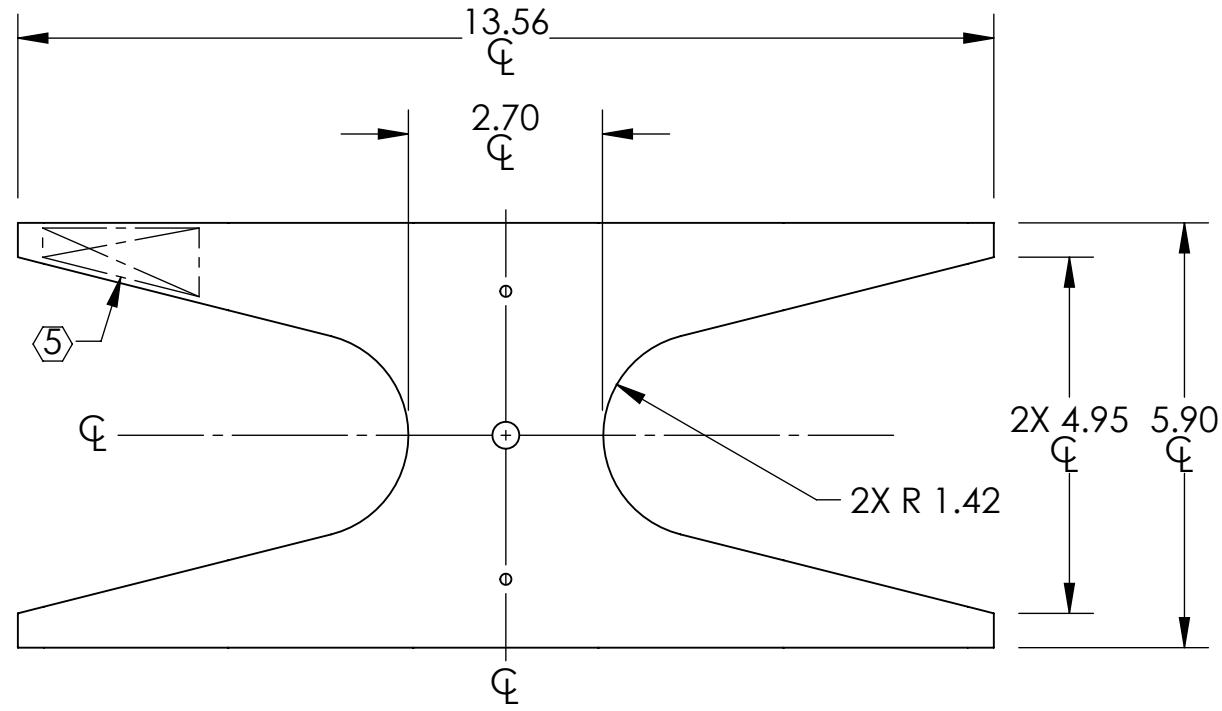
6. WEIGHT: 2.42 LB [1.10 KG].

7. 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-E0900023-v11.

8. HEAT TREAT, NICKEL PLATE, AND HYDROGEN EMBRITTLEMENT BAKE PARTS AS 'THICK' SPRINGS ACCORDING TO LIGO SPECIFICATION E0900023-v11 (DISREGARDING THE DOCUMENT'S DEFINITION OF < 0.4" AS 'THIN').

9. SPECIFIED SURFACE FINISH (63 µINCH Ra) APPLIES TO ENTIRE PART, INCLUDING SIDES AND HOLES (NOT PER LIGO-E0900023-v11, WHICH SPECIFIES 32 µINCH Ra).

REV.	DATE	DCN #	DRAWING TREE #
v1	30 AUG 2012	-	-
v2	31 AUG 2012	-	-
v3	31 AUG 2012	-	-
v4	19 SEP 2012	-	-
v5	20 SEP 2012	-	-
v6	22 OCT 2012	E1200949-v1	-
v7	04 DEC 2012	E1201085-x0	-



Ø .38 THRU  
JET OR LASER CUT OK

D1201203 aLIGO AOS PCal Periscope Flexure, PART PDM REV: X-010, DRAWING PDM REV: X-019

NOTES AND TOLERANCES: (UNLESS OTHERWISE SPECIFIED)

DIMENSIONS ARE IN INCHES

TOLERANCES:  
.XX ± .01  
.XXX ± .005

ANGULAR ± °

1. INTERPRET DRAWING PER ASME Y14.5-1994.
2. REMOVE ALL SHARP EDGES, .005-.015.
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 MARAGING STEEL C250 FINISH 63 µinch Ra

**LIGO** CALIFORNIA INSTITUTE OF TECHNOLOGY  
MASSACHUSETTS INSTITUTE OF TECHNOLOGY

SYSTEM ADVANCED LIGO SUB-SYSTEM AOS  
NEXT ASSY D1200174

PART NAME  
aLIGO AOS PCAL PERISCOPE FLEXURE

DESIGNER R. SAVAGE 30 AUG 2012  
DRAFTER C. CONLEY 30 AUG 2012  
CHECKER C. CONLEY  
APPROVAL

SIZE DWG. NO. B D1201203  
SCALE: NONE PROJECTION: SHEET 1 OF 1

REV. v7

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