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: DXXXXXXX-VY, TYPE-XX, S/N XXX

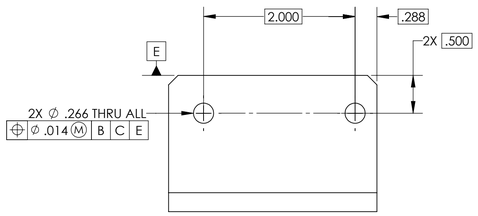
6. APPROXIMATE WEIGHT = .30 LB.

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

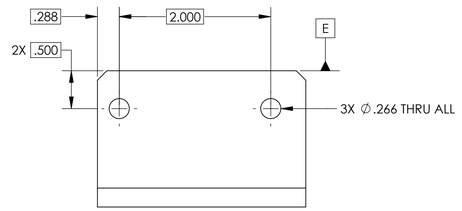
8. ALL PARTS SHALL BE MANUFACTURED IN ACCORDANCE WITH LIGO SPECIFICATION E0900364.

11. 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.

REV.	DATE	DCN #	DRAWING TREE #
v1	05 NOV 2012	E1200891-x0	E1201007-v2
v2	23 SEP 2013	E1300729-x0	E1201007-v3
-	-	-	-

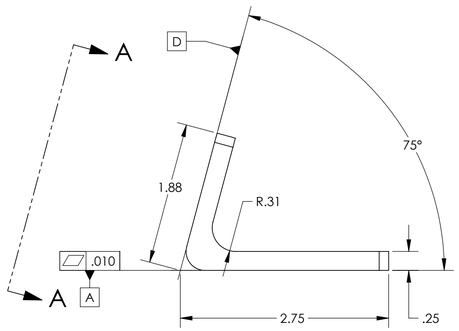


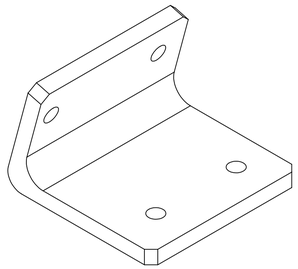
VIEW A-A
(ROTATED 15 DEGREES CCW)



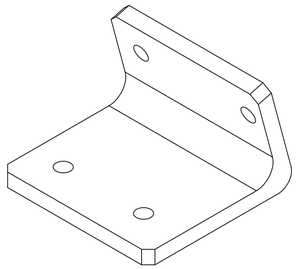
VIEW B-B
(ROTATED 15 DEGREES CW)

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

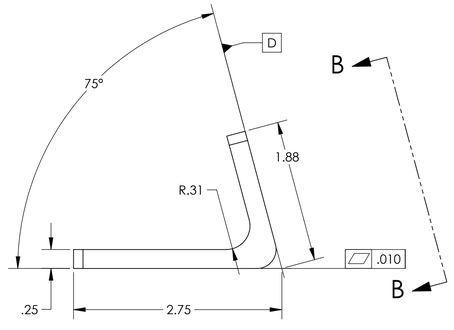


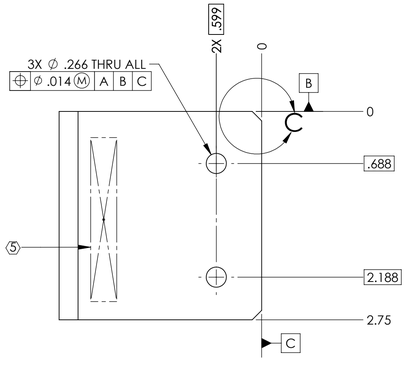


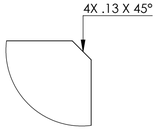
ISO VIEW



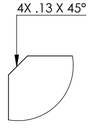
ISO VIEW



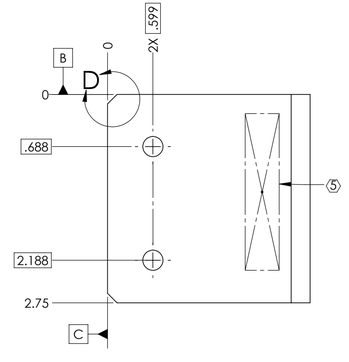




DETAIL C
SCALE 2 : 1



DETAIL D
SCALE 2 : 1



-01 DETAIL

-02 DETAIL

NOTES AND TOLERANCES: (UNLESS OTHERWISE SPECIFIED)

DIMENSIONS ARE IN INCHES

TOLERANCES:
.XX ± .01
.XXX ± .005

ANGULAR ± 0.5°

1. INTERPRET DRAWING PER ASME Y14.5-1994.
2. REMOVE ALL SHARP EDGES, .005-.015. FOR MACHINED PARTS. ROUND ALL EDGES APPROXIMATELY R.02.
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 Alloy

FINISH 63 µinch

LIGO CALIFORNIA INSTITUTE OF TECHNOLOGY
MASSACHUSETTS INSTITUTE OF TECHNOLOGY

SYSTEM ADVANCED LIGO

SUB-SYSTEM AOS

NEXT ASSY D1200953

PART NAME FRONT SIDE WALL STRUT, CO2P PERISCOPE

DESIGNER	M. JACOBSON	21 SEPT 2012
DRAFTER	E.SANCHEZ	02 NOV 2012
CHECKER	M. JACOBSON	02 NOV 2012
APPROVAL		

SIZE D **DWG. NO.** D1201370 **REV.** v2

SCALE: 1:1 **PROJECTION:** SHEET 1 OF 1

D1201370_FRONT SIDE WALL STRUT, CO2P PERISCOPE, PART PDM REV: X-006, DRAWING PDM REV: X-002