

4

3

2

1

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 = .045 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.

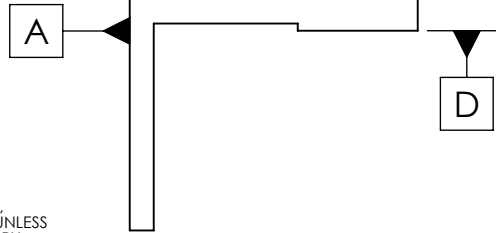
9. ALL MATERIAL IS TO BE VIRGIN MATERIAL (i.e. NO WELD REPAIRS, PLUGS OR RECYCLED MATERIAL), NO REPAIRS SHALL BE MADE UNLESS APPROVED IN ADVANCE, AND IN WRITING, BY LIGO LABORATORY. REFER TO LIGO-E0900364.

10. MODIFY EXISTING -v1 PART AS INDICATED

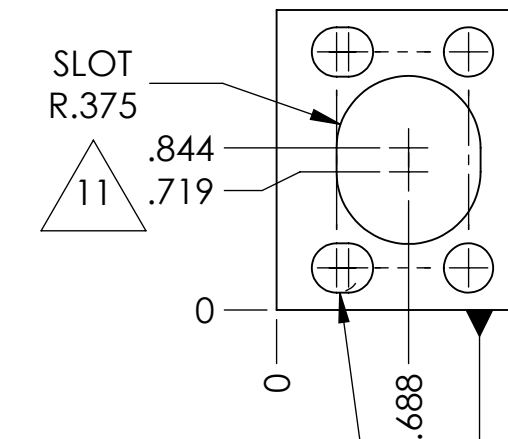
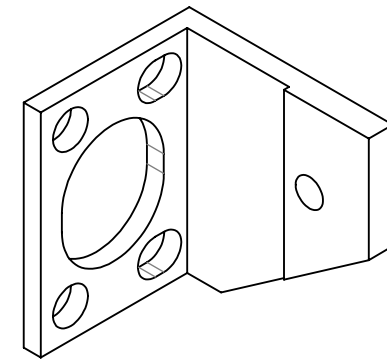
11. MODIFY EXISTING -v2 PART AS INDICATED

REV.	DATE	DCN #	DRAWING TREE #
-v1	24-JAN-2014	E1400038	E1300255
-v2	04-FEB-2014	E1400038	E1300255
-v3	21-FEB-2014	E1400038	E1300255

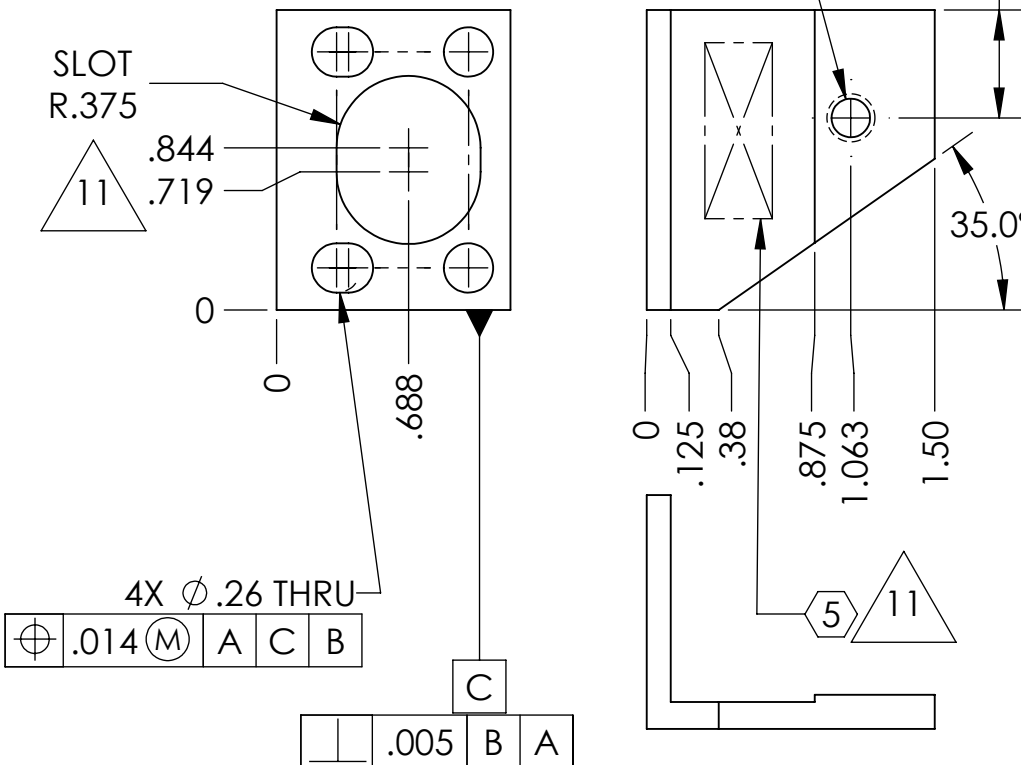
B  $\perp$  .005 A



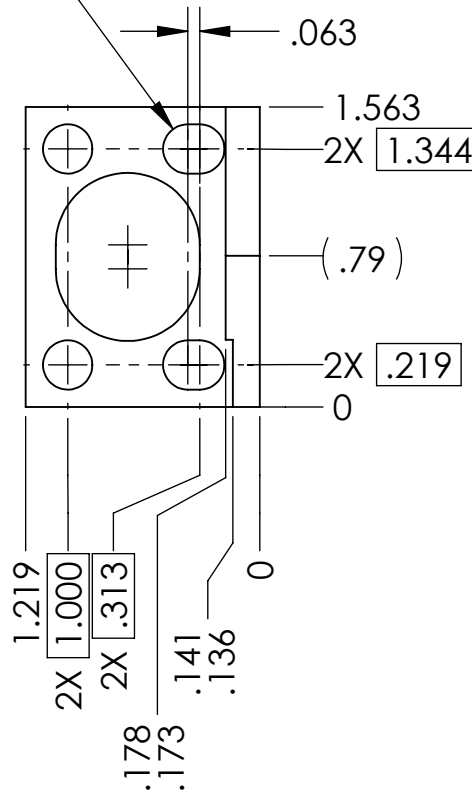
D  $\parallel$  .005 B



$\phi$  .20 THRU  
1/4-20 UNC THRU



10  
2X SLOT, FULL R



SLOT  
R.375

11

4X  $\phi$  .26 THRU

$\phi$  .014 (M) A C B

C  
 $\perp$  .005 B A

NOTES AND TOLERANCES: (UNLESS OTHERWISE SPECIFIED)

DIMENSIONS ARE IN INCHES

TOLERANCES:

.XX  $\pm$  .01

.XXX  $\pm$  .005

ANGULAR  $\pm$  1.0°

1. INTERPRET DRAWING PER ASME Y14.5-1994.
2. REMOVE ALL SHARP EDGES. 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  $\mu$ inch



CALIFORNIA INSTITUTE OF TECHNOLOGY  
MASSACHUSETTS INSTITUTE OF TECHNOLOGY

SYSTEM

ADVANCED LIGO

NEXT ASSY

D1400013

SUB-SYSTEM

AOS

PART NAME

ALTERNATIVE TFP MOUNT, CUSTOM

DESIGNER

M.JACOBSON 22-JAN-2014

DRAFTER

M.JACOBSON 24-JAN-2014

CHECKER

A.HEPTONSTALL 21-FEB-2014

APPROVAL

A.BROOKS 24-FEB-2014

SIZE

A

DWG. NO.

D1400012

REV.

v3

SCALE: 1:1

PROJECTION:



SHEET 1 OF 1

4

3

2

1