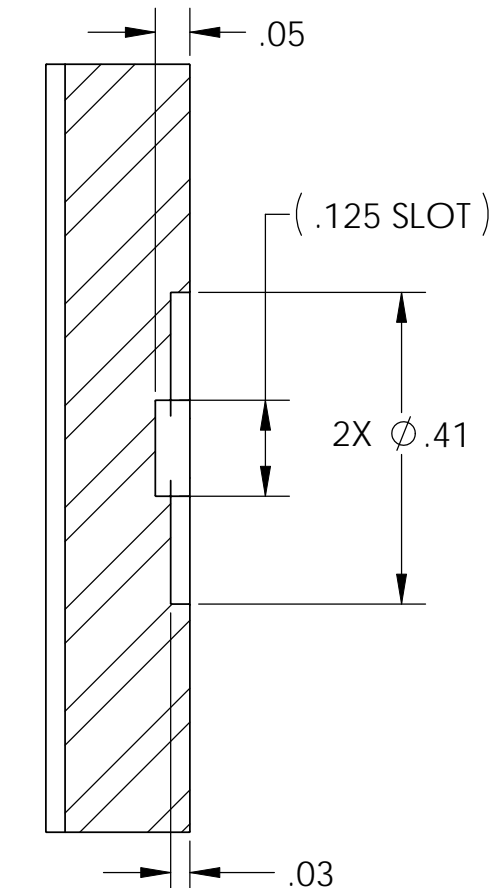


D1101794 aLIGO BSC, MAGNETIC PLATE, TUNED MASS DAMPER, PART PDM REV: X-000, DRAWING PDM REV: X-000

NOTES CONTINUED:

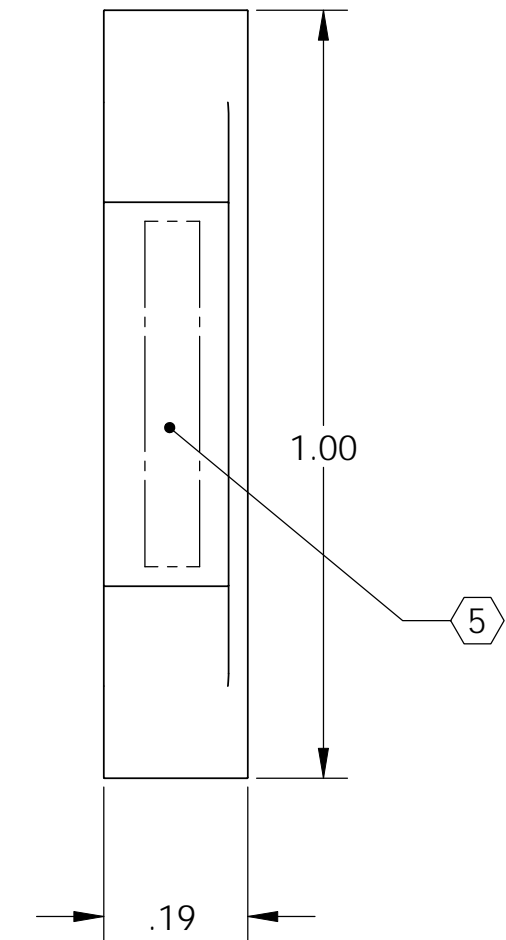
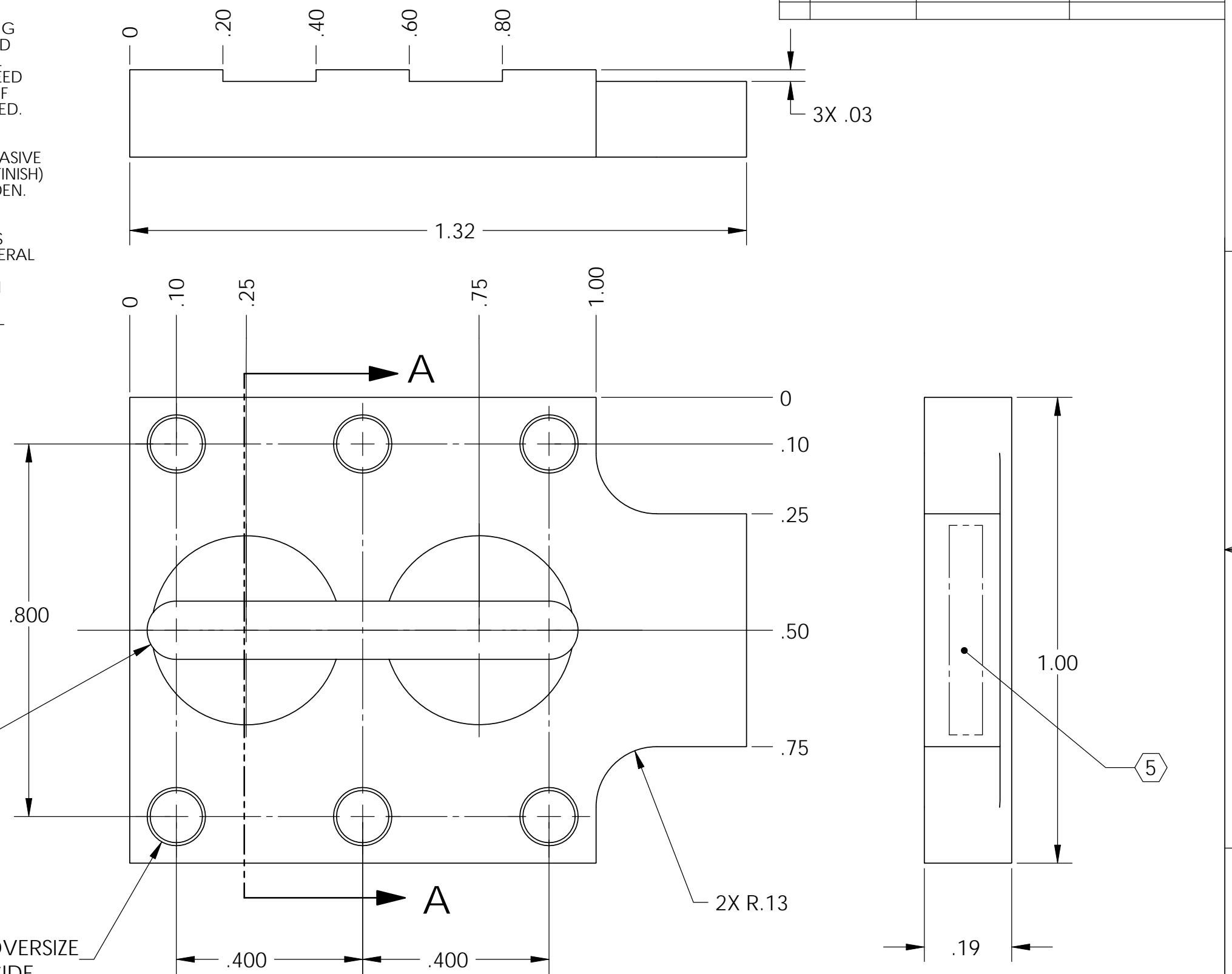
4. ALL MACHINING FLUIDS MUST BE FULLY SYNTHETIC, FULLY WATER SOLUBLE AND FREE OF SULFUR, SILICONE AND CHLORINE.
5. SCRIBE, ENGRAVE, OR MECHANICALLY STAMP (NO INKS OR DYES) DRAWING PART NUMBER, REVISION (AND VARIANT OR "TYPE" IF APPLICABLE ON NOTED SURFACE OF PART FOLLOWED ON THE NEXT LINE WITH A THREE 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. A VIBRATORY TOOL MAY BE USED. EXAMPLE DXXXXXXX-VY, TYPE-XX, S/N XXX.
6. APPROXIMATE WEIGHT = 0.05 LB.
7. MACHINE ALL SURFACES TO REMOVE OXIDES AND MILL FINISH, USE OF ABRASIVE REMOVAL TECHNIQUES (INCLUDING SANDING OR SCOURING FOR MATTE FINISH) IS NOT ALLOWED. USE OF SCOTCH-BRITE OR SIMILAR PRODUCTS IS FORBIDDEN.
8. ALL PARTS SHALL BE MANUFACTURED IN ACCORDANCE WITH LIGO SPECIFICATION E0900364.
9. ALL MATERIAL TO BE VIRGIN MATERIAL, NO REPAIRS SHALL BE MADE UNLESS APPROVED IN ADVANCE, AND IN WRITING, BY LIGO LABORATORY. IN GENERAL WELD REPAIRS AND PRESS FIT INSERT REPAIRS ARE NEVER ACCEPTABLE. THE MATERIAL USED MUST BE VIRGIN MATERIAL. SPECIAL CIRCUMSTANCES CAN BE REVIEWED IF AND WHEN BROUGHT TO THE ATTENTION OF LIGO CONTRACTING OFFICER'S REPRESENTATIVE (COTR) THROUGH THE MATERIAL REVIEW BOARD (MRB) PROCESS, REFER TO LIGO-E09000364.

REV.	DATE	DCN #	DRAWING TREE #
v1	12 Sept. 2011	E1100839	E1100840



SECTION A-A

6X  $\phi$  .09 THRU ALL  
 4-40 UNC THRU ALL .005 OVERSIZE  
 ✓  $\phi$  .13 X 90°, NEAR SIDE  
 ✓  $\phi$  .14 X 90°, FAR SIDE



NOTES AND TOLERANCES: (UNLESS OTHERWISE SPECIFIED)				LIGO		PART NAME	
DIMENSIONS ARE IN INCHES				CALIFORNIA INSTITUTE OF TECHNOLOGY		aLIGO BSC, MAGNETIC PLATE, TUNED MASS DAMPER	
TOLERANCES: .XX ± .015 .XXX ± .005				MASSACHUSETTS INSTITUTE OF TECHNOLOGY		DESIGNER D. CLARK 12 Sept. 2011	
ANGULAR ± 5°				ADVANCED LIGO		DRAFTER M. HILLARD 12 Sept. 2011	
1. INTERPRET DRAWING PER ASME Y14.5-1994.				SUB-SYSTEM SEI		SIZE DWG. NO. B D1101794	
2. REMOVE ALL SHARP EDGES, .03 x 45°.				MATERIAL 410 SSSL		CHECKER F. MATICHARD 12 Sept. 2011	
3. DO NOT SCALE FROM DRAWING.				FINISH 32 $\mu$ inch		APPROVAL K. MASON 12 Sept. 2011	
NEXT ASSY D1101793				SCALE: 4:1		PROJECTION:	
				SHEET 1 OF 1		REV. v1	

8 7 6 5 4 3 2 1