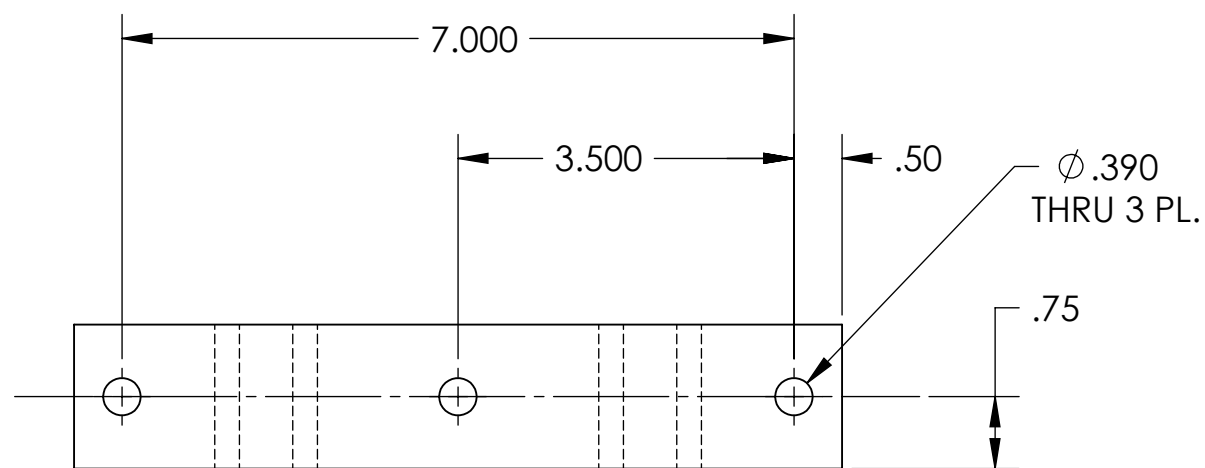
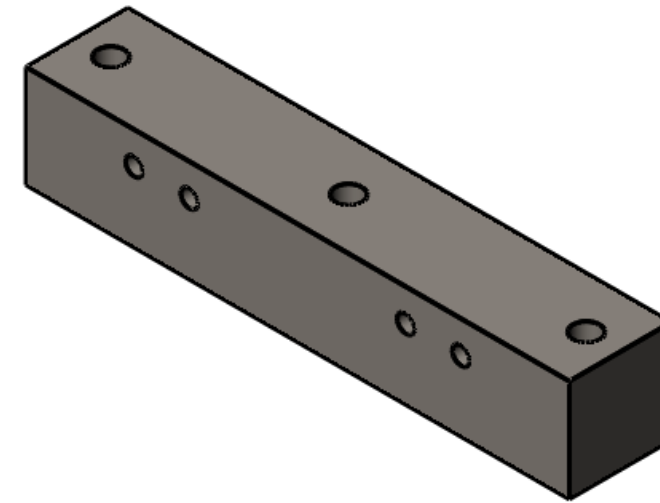
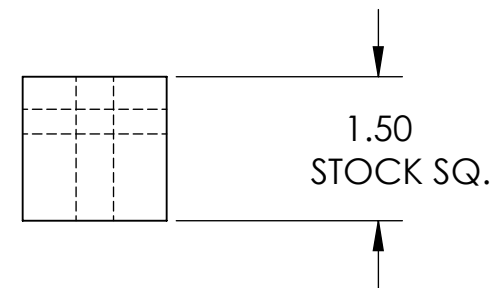
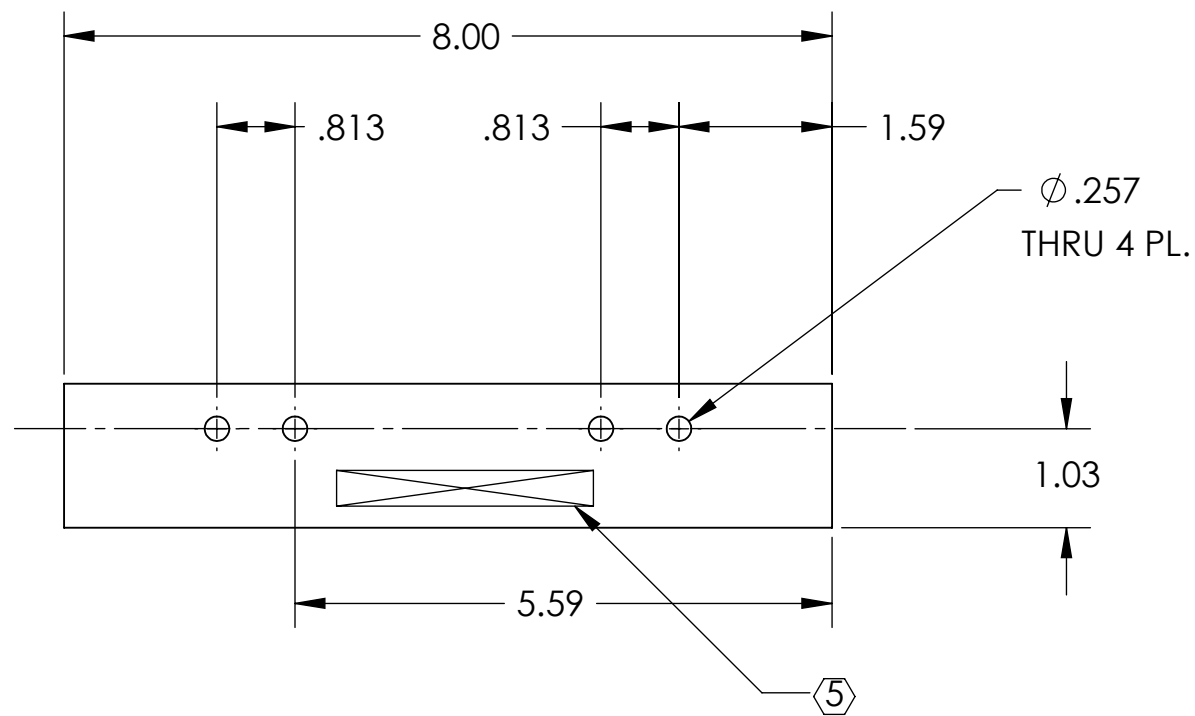


8 7 6 5 4 3 2 1

**NOTES CONTINUED:**  
 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: DXXXXXX-VY, TYPE-XX, S/N XXX

REV.	DATE	DCN #	DRAWING TREE #
V1	9-19-12	E1000317	-
V2	9-19-12	TO FOLLOW	-
-	-	-	-

6. NICKEL PLATE FINISH



D1002100\_dLIGO\_TMS\_TEST\_MASS\_SHORTBAR, PART PDM REV: X-004, DRAWING PDM REV: X-003

**NOTES AND TOLERANCES: (UNLESS OTHERWISE SPECIFIED)**  
 DIMENSIONS ARE IN INCHES  
 TOLERANCES:  
 .XX  $\pm$  .03  
 .XXX  $\pm$  .005  
 ANGULAR  $\pm$  1.0°

1. INTERPRET DRAWING PER ASME Y14.5-1994.  
 2. REMOVE ALL SHARP EDGES, R.02 MIN.  
 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**  
 STEEL BAR HOT OR COLD  
**FINISH**  
 CLEAN FOR NICKEL PLATE

**LIGO** CALIFORNIA INSTITUTE OF TECHNOLOGY  
 MASSACHUSETTS INSTITUTE OF TECHNOLOGY  
**SYSTEM**  
 ADVANCED LIGO  
**SUB-SYSTEM**  
 AOS  
**NEXT ASSY**  
 D1002097

**PART NAME**  
 aLIGO\_TMS\_TEST\_MASS\_SHORTBAR  
**DESIGNER** KMAILAND 08-10-2010  
**DRAFTER** KMAILAND 08-10-2010  
**CHECKER**  
**APPROVAL**  
**SIZE DWG. NO.**  
 B D1002100  
**REV.**  
 v2  
 SCALE: 1:2 PROJECTION: SHEET 1 OF 1

8 7 6 5 4 3 2 1