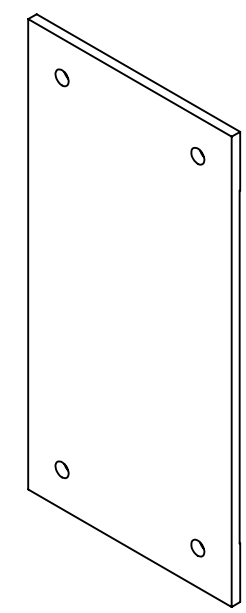
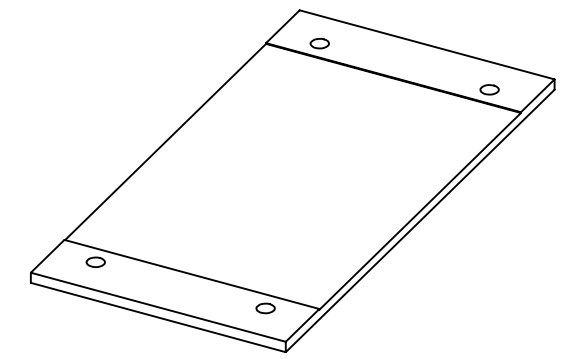
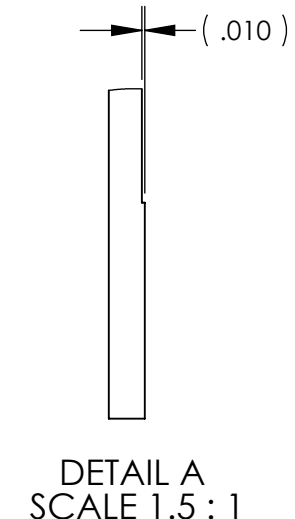
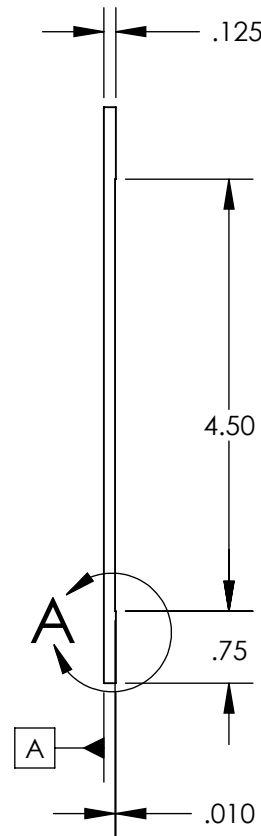
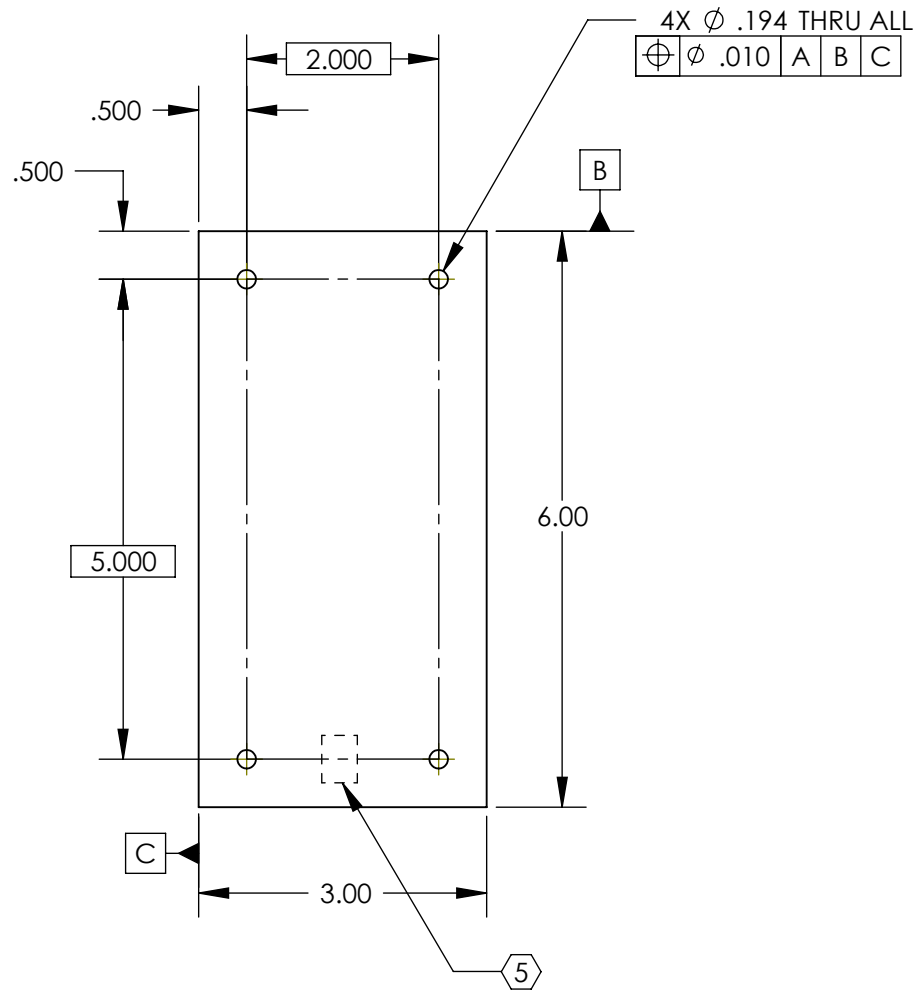


**NOTES CONTINUED:**  
 5. SCRIBE, ENGRAVE, OR MECHANICALLY STAMP (NO INKS OR DYES) DRAWING PART NUMBER, REVISION (AND VARIANT OR "TYPE" IF APPLICABLE) ON NOTED SURFACE OF PART FOLLOWED ON THE NEXT LINE WITH A THREE DIGIT SERIAL NUMBER. SERIAL NUMBERS START AT 001 FOR THE FIRST ARTICLE AND PROCEED CONSECUTIVELY. 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

6. MACHINE ALL SURFACES TO REMOVE OXIDES AND MILL FINISH. USE OF ABRASIVE REMOVAL TECHNIQUES IS NOT ALLOWED.  
 7. ALL PARTS SHALL BE MANUFACTURED IN ACCORDANCE WITH LIGO SPECIFICATION E0900364.

| REV. | DATE        | DCN #    | DRAWING TREE # |
|------|-------------|----------|----------------|
| v1   | 19 JUL 2009 |          |                |
| v2   | 07 OCT 2010 | E1000563 |                |



D0900027\_AdlIGO\_AOS\_D0900623\_Copper Plate, PART PDM REV: X-010, DRAWING PDM REV: X-015

| NOTES AND TOLERANCES: (UNLESS OTHERWISE SPECIFIED)                          |  |          |  | LIGO CALIFORNIA INSTITUTE OF TECHNOLOGY MASSACHUSETTS INSTITUTE OF TECHNOLOGY  |  | PART NAME                 |  |
|---|--|----------|--|--|--|---------------------------|--|
| DIMENSIONS ARE IN<br>TOLERANCES:<br>.XX ± .02<br>.XXX ± .010<br>ANGULAR ± ° |  |          |  | 1. INTERPRET DRAWING PER ASME Y14.5-1994.<br>2. REMOVE ALL SHARP EDGES, R.02 MIN.<br>3. DO NOT SCALE FROM DRAWING.<br>4. ALL MACHINING FLUIDS MUST BE FULLY SYNTHETIC, FULLY WATER SOLUBLE AND FREE OF SULFUR, SILICONE, AND CHLORINE. |  | COPPER PLATE              |  |
| MATERIAL  |  | FINISH   |  | SYSTEM   |  | SUB-SYSTEM                |  |
| 99.99% COPPER   |  | 63 μinch |  | ADVANCED LIGO  |  | AOS                       |  |
| NEXT ASSY   |  |          |  | DESIGNER   |  | SIZE DWG. NO.             |  |
| D0900048  |  |          |  | DRAFTER  |  | B D0900027                |  |
|   |  |          |  | CHECKER  |  | REV.                      |  |
|   |  |          |  | APPROVAL   |  | v2                        |  |
|   |  |          |  | SCALE: 1:1   |  | PROJECTION:  SHEET 1 OF 1 |  |