**NOTES CONTINUED:**

(5) SCRIBE, ENGRAVE (A VIBRATORY TOOL MAY BE USED), LASER MARK (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

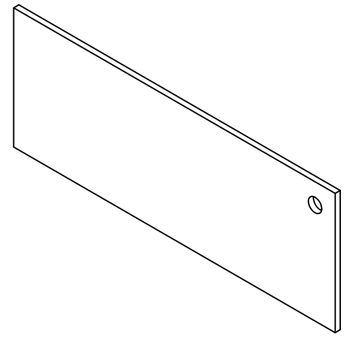
6. APPROXIMAE WEIGHT: X.XXX LB.

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

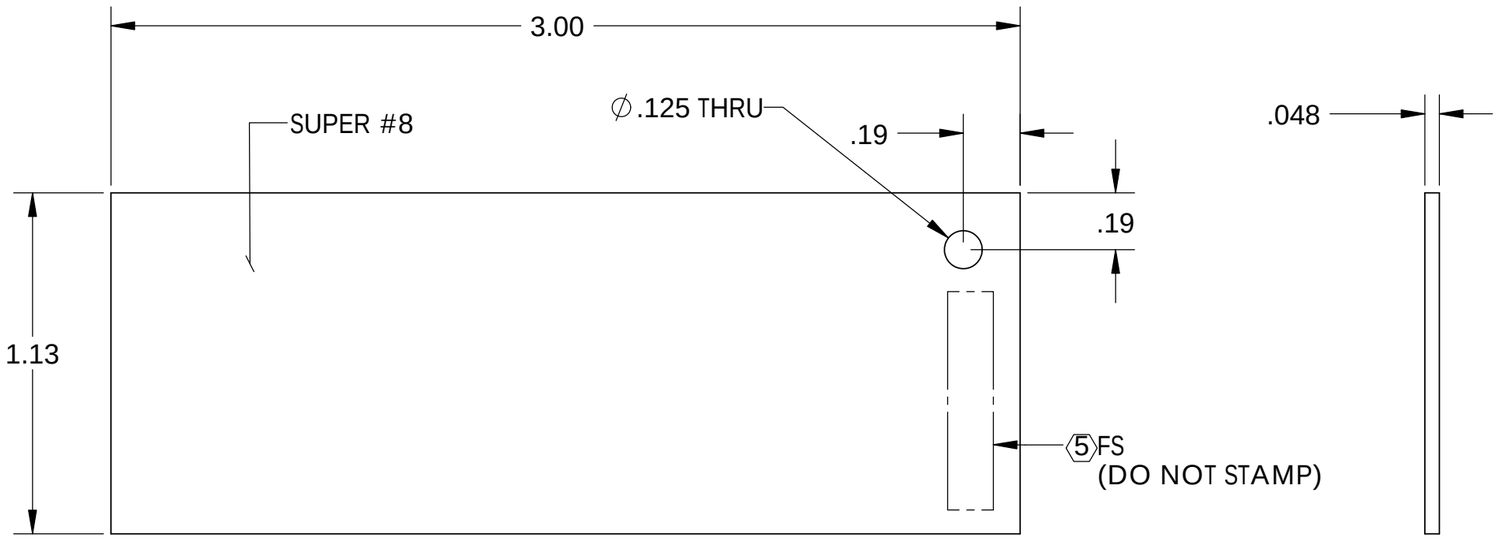
8. ALL MATERIAL IS TO BE VIRGIN MATERIAL (i.e. NO WELD REPAIRS, PLUGS OR RECYCLED MATERIAL). NO REPAIRS SHALL BE MADE UNLESS APPROVED IN ADVANCE, AND IN WRITING, BY LIGO LABORATORY. REFER TO LIGO-E0900364.

(9) SURFACE FINISH TO BE AS-PROCESSED FROM MILL/SUPPLIER, FREE FROM SCRATCHES OR GOUGES.

| REV. | DATE | DCN # | DRAWING TREE # |
|---|---|---|---|
| v1 | 7 OCT 2010 | E1000563 | |
| v2 | 25 OCT 2011 | E1000563 | |
| | | | |



GENERAL VIEW
FOR REFERENCE ONLY
NO SCALE




| NOTES AND TOLERANCES: (UNLESS OTHERWISE SPECIFIED) | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| DIMENSIONS ARE IN INCHES<br>TOLERANCES:<br>.XX ± .01<br>.XXX ± .005<br>ANGULAR ± 0.5° | 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. | | LIGO CALIFORNIA INSTITUTE OF TECHNOLOGY<br>MASSACHUSETTS INSTITUTE OF TECHNOLOGY | | PART NAME: PRISM BEAM DUMP | | | |
| MATERIAL: 18 GAUGE 304 SSTL | FINISH: (9) SUPER #8 | | SYSTEM: ADVANCED LIGO | SUB-SYSTEM: AOS | DESIGNER: TQ. NGUYEN | 19 JUL 2010 | SIZE: B | DWG. NO.: D1001864 REV.: v2 |
| | | | NEXT ASSY: D0900615 | | DRAFTER: TQ. NGUYEN | 23 AUG 2010 | | |
| | | | | | CHECKER: M. SMITH | | | |
| | | | | | APPROVAL: D. COYNE | | SCALE: 2:1 | PROJECTION: SHEET 1 OF 1 |

D1001864_aLIGO_AOS_D0900614_Faraday Isolator Beam Dump, PART PDM REV: X-011, DRAWING PDM REV: X-017