**NOTES: UNLESS OTHERWISE SPECIFIED**

1. INTERPRET DRAWING PER ASME Y14.5-1994.

(2) REMOVE ALL SHARP EDGES.
.030 RADIUS ON ALL EDGES AND HOLES.

3. DO NOT SCALE FROM DRAWING.

4. ALL MACHINING FLUIDS MUST BE FULLY SYNTHETIC, FULLY WATER SOLUBLE AND FREE OF SULFUR, SILICONE, AND CHLORINE. REFER TO LIGO E0900237 FOR LIST OF APPROVED COOLANTS.

(5) MACHINE DRAWING PART NUMBER, REVISION, AND SERIAL NUMBERS .020" DEPTH WITH MINIMUM .156" HIGH CHARACTERS, WHERE SHOWN.

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

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

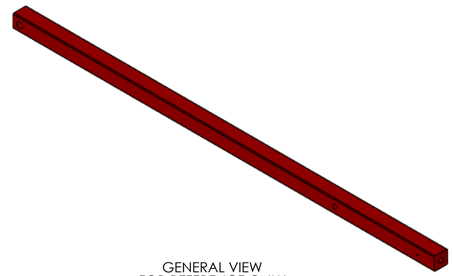
(8) PART WILL BE COMPLETELY PORCELAIN COATED PER LIGO SPECIFICATION E1000083 AFTER FABRICATION.

9. DIMENSIONS APPLY BEFORE PORCELAIN COATING UNLESS SPECIFIED.

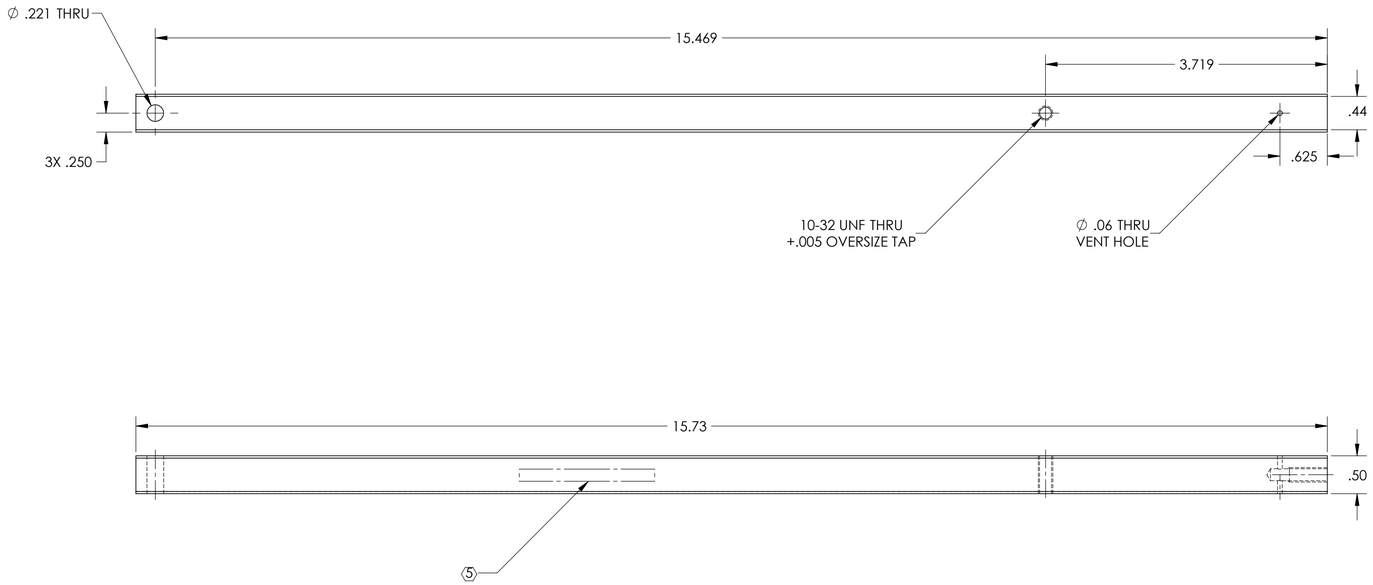
10. ALL MATERIAL IS TO BE VIRGIN MATERIAL (i.e. NO WELD REPAIRS, PLUGS OR RECYCLED MATERIAL). NO REPAIRS SHALL BE MADE UNLESS APPROVED IN ADVANCE, AND IN WRITING, BY LIGO LABORATORY. REFER TO LIGO-E0900364.

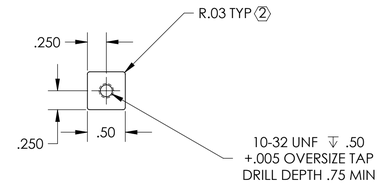
11. ALL HOLES WILL BE MASKED PRIOR TO PORCELAIN COATING.

| REV. | DATE | DCN # | DRAWING TREE # |
|---|---|---|---|
| v1 | 19 MAY 2011 | D1000822-v1 | - |
| v2 | 8 JUL 2011 | - | - |
| v3 | 25 JUL 2011 | - | - |



GENERAL VIEW
FOR REFERENCE ONLY
NO SCALE




NOTES AND TOLERANCES: (UNLESS OTHERWISE SPECIFIED)

DIMENSIONS ARE IN INCHES

TOLERANCES:
.XX ± .03
.XXX ± .010

ANGULAR ± 0.5°

MATERIAL: 304 SSTL

FINISH: (7) (8)

LIGO CALIFORNIA INSTITUTE OF TECHNOLOGY
MASSACHUSETTS INSTITUTE OF TECHNOLOGY

SYSTEM: ADVANCED LIGO

SUB-SYSTEM: AOS

NEXT ASSY: D1002864

PART NAME: APERTURE BRACE

| | | |
|---|---|---|
| DESIGNER | TQ. NGUYEN | 11 NOV 2010 |
| DRAFTER | TQ. NGUYEN | 13 NOV 2010 |
| CHECKER | M. SMITH | |
| APPROVAL | D. COYNE | |

SIZE: D

DWG. NO.: D1002997

REV.: v3

SCALE: 1:1

PROJECTION:

SHEET 1 OF 1

D1002997_aLIGO_MC_Tube_Baffle_Aperture_Mid_Support_WAMCB1, PART PDM REV: X-014, DRAWING PDM REV: X-027