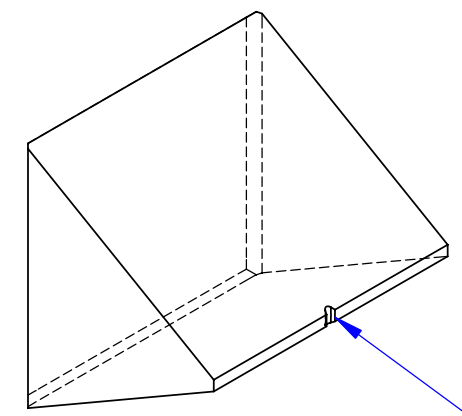
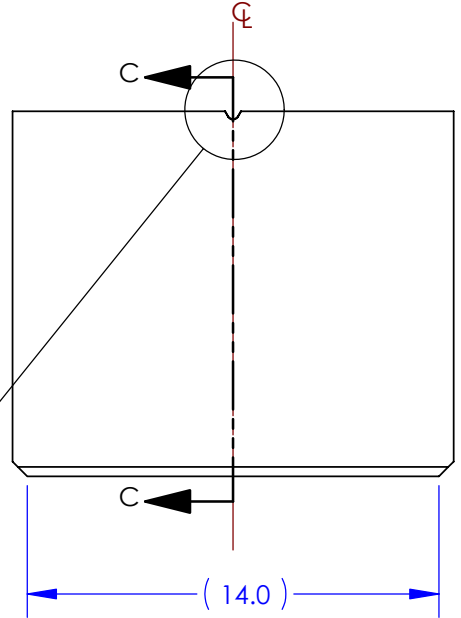
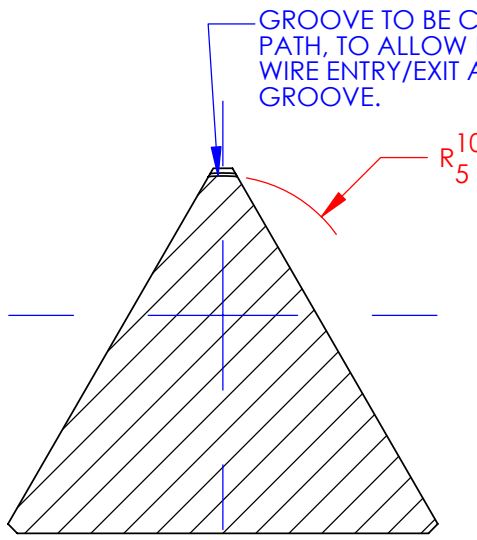


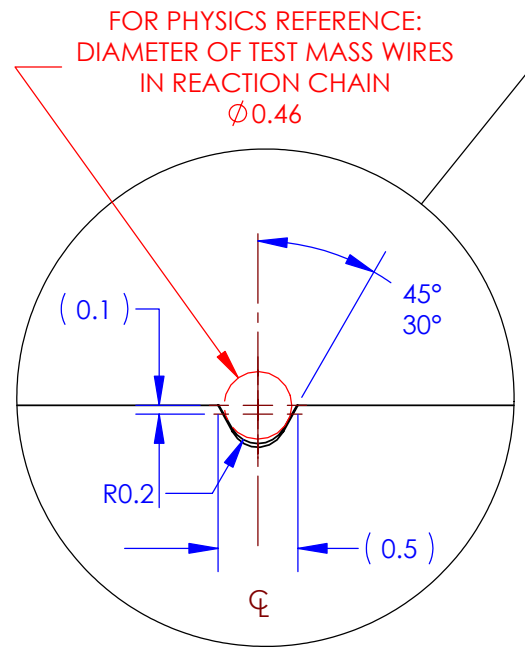
8 7 6 5 4 3 2 1

| REV. | DATE | DCN # | DRAWING TREE # |
|------|-------|--|----------------|
| 00 | APR06 | INITIAL RELEASE (R.JONES) | |
| 01 | JUL06 | ALTERATION TO GROOVE FOR WIRE LOCATION (R.JONES) | |
| 02 | DEC06 | ALTERATION TO NOTES ON GENERAL TOLERANCE IN DRAWING TEMPLATE (R.JONES) | |
| 03 | APR07 | 'FLAT TOP' ON PRISM, AMMENDMENTS TO GROOVE GEOMETRY (R.JONES) | |
| 04 | APR07 | CHANGE TO FLAT TOP DIMENSION, CHANGE TO RADIUS AT BASE OF V-GROOVE TO R0.15 MAX, AMMENDMENTS TO TOLERANCES ON DRAWING, LIMIT PLACED ON WIDTH OF FLAT TOP (R.JONES) | |
| 05 | OCT07 | CURVED PATH OF WIRE ROUTING GROOVE, FOR LASER ABLATION TESTS (R.JONES) | |

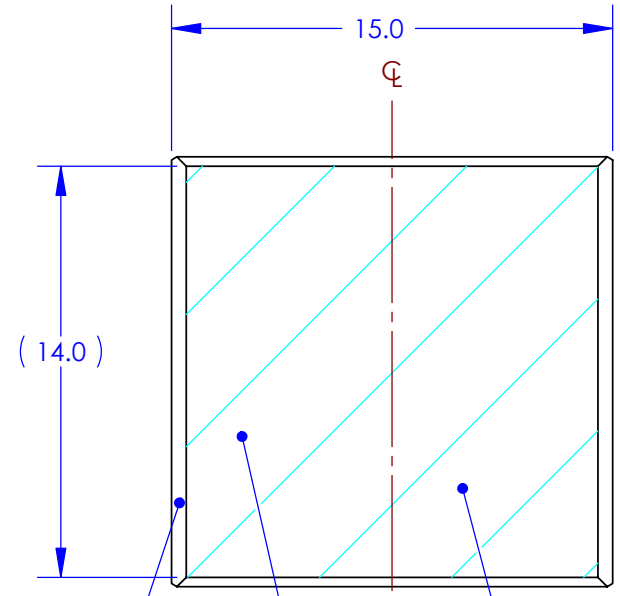


GROOVE TO LOCATE A (STEEL) SUSPENSION WIRE LOOP.

IMPORTANT NOTE:
HIGH SURFACE QUALITY IS REQUIRED ON THE INTERNAL SURFACES OF THE GROOVE, AND IN THE GENERAL VICINITY OF THE GROOVE.



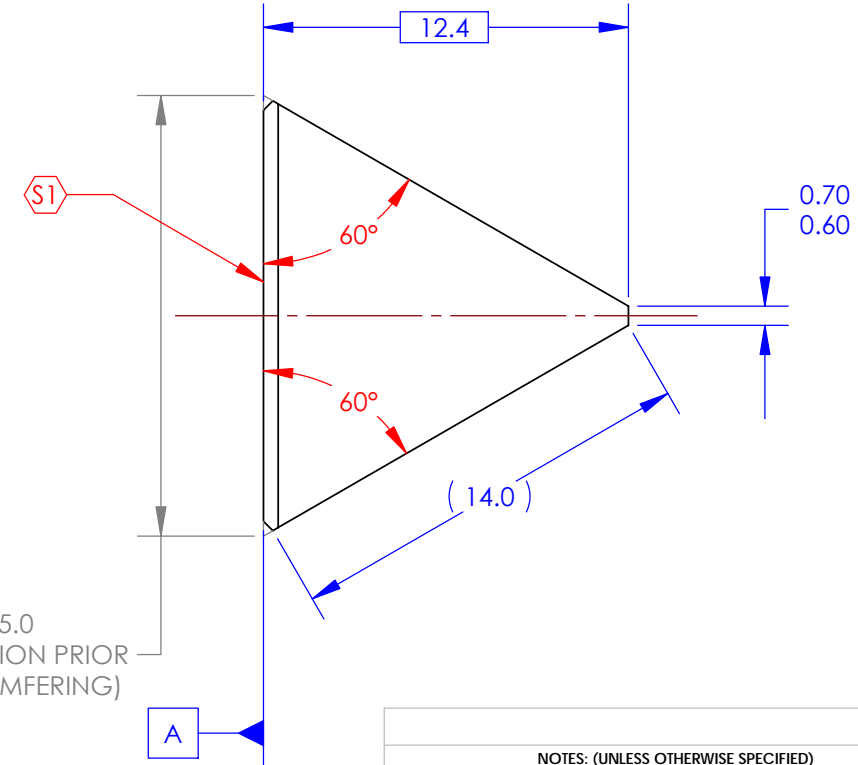
DETAIL B
SCALE 20 : 1



POLISHED CHAMFER
0.5 X 45° ± 5° ON ALL
EDGES ADJACENT TO
(S1)

FLAT TO $\lambda/10$ OVER
MINIMUM CLEAR
APERTURE

MINIMUM CLEAR APERTURE EXTENDS
TO EDGE OF SURFACE (S1)



| NOTES: (UNLESS OTHERWISE SPECIFIED) | | PARTS LIST | |
|--|------------|---|--------------|
| 1. DO NOT SCALE FROM DRAWING. 2. MINIMISE EDGE CHIPPING. 3. REMOVE SHARP EDGES (R0.1 TYP) 4. PART SYMMETRIC ABOUT ⌀ 5. INSPECTION POLISH ALL FACES, CHAMFERS AND EDGES | | DIMENSIONS ARE IN MILLIMETERS GENERAL TOLERANCES: ± 0.1mm ANGULAR ± 0.1 ° | |
| MATERIAL | | F2 | |
| FINISH | | Inspection Polish | |
| DRAWN | R. JONES | DATE | MAY06 |
| CHECKED | C. CANTLEY | DATE | SEP06 |
| APPROVED | | | |
| SYSTEM | | ADVANCED LIGO | |
| SUB-SYSTEM | | SUS | |
| NEXT ASSY | | N-Ptype Reaction Test Mass | |
| PART NAME | | Break-off Prism | |
| SIZE | DWG. NO. | REV. | |
| B | D060166 | 05 | |
| SCALE: 2:1 | | PROJECTION: | SHEET 1 OF 1 |

8 7 6 5 4 3 2 1