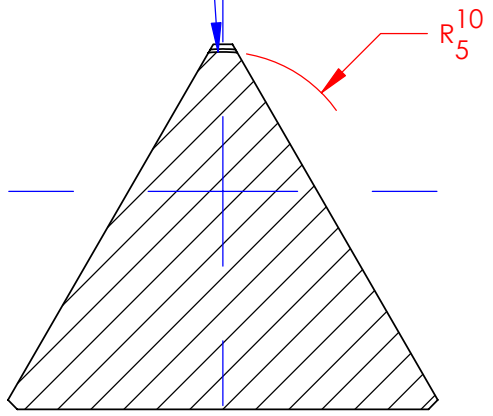


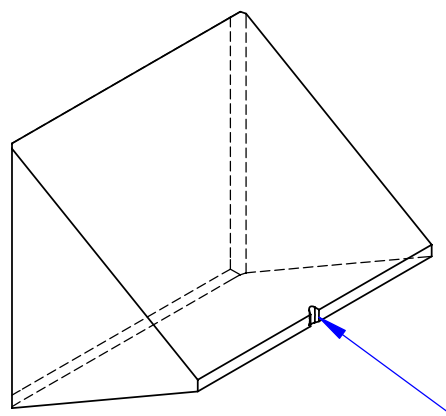
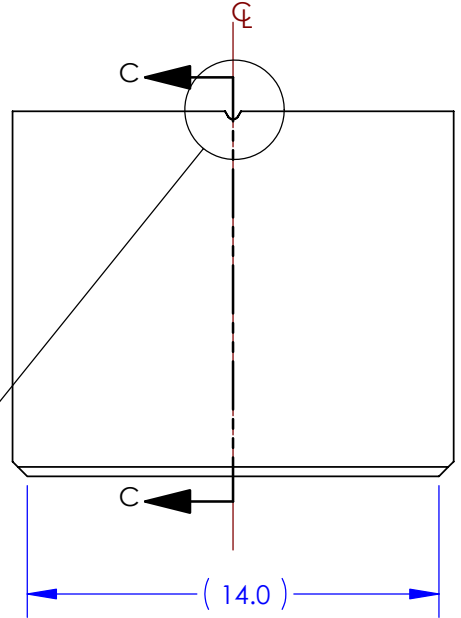
8 7 6 5 4 3 2 1

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 BE CREATED ON A CURVED PATH, TO ALLOW FOR VARIATION OF WIRE ENTRY/EXIT ANGLE INTO THE GROOVE.



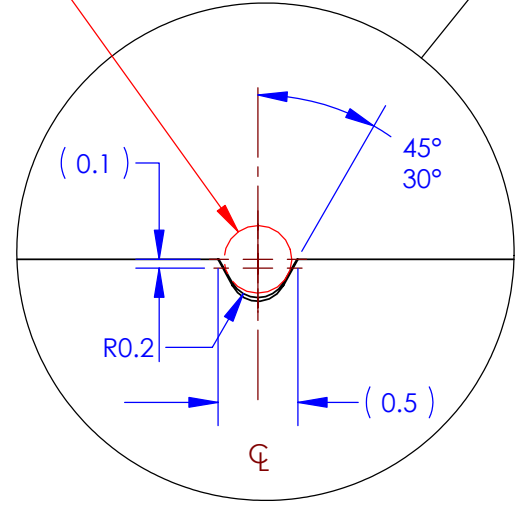
SECTION C-C
SCALE 4 : 1



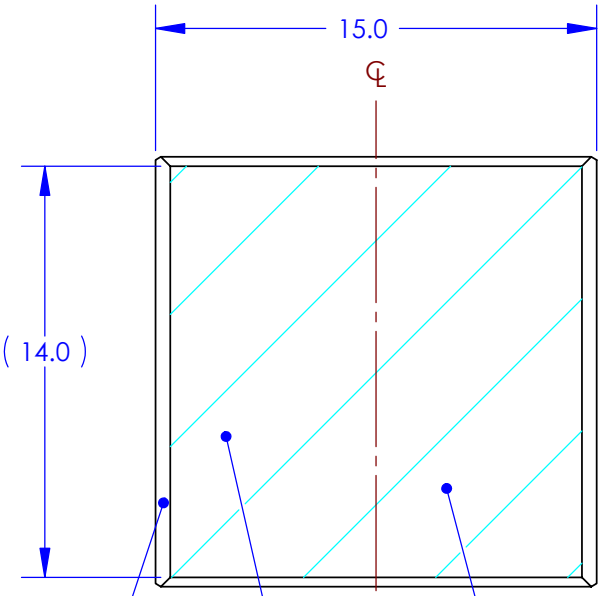
GROOVE TO LOCATE A (STEEL) SUSPENSION WIRE LOOP.

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

FOR PHYSICS REFERENCE:
DIAMETER OF TEST MASS WIRES
IN REACTION CHAIN
 $\phi 0.46$



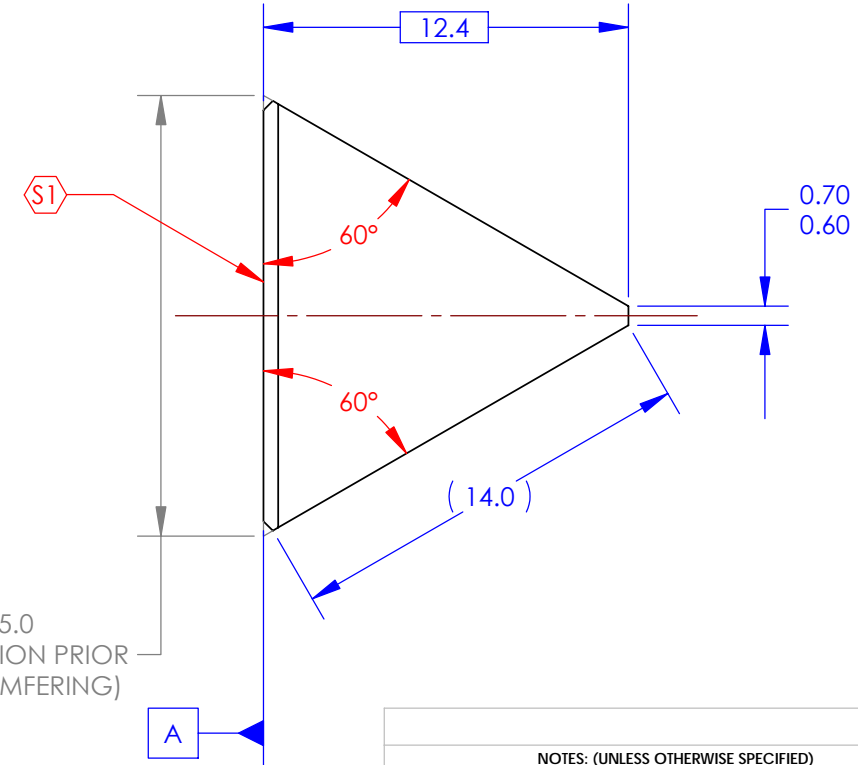
DETAIL B
SCALE 20 : 1



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.	DIMENSIONS ARE IN MILLIMETERS	CALIFORNIA INSTITUTE OF TECHNOLOGY MASSACHUSETTS INSTITUTE OF TECHNOLOGY IGR, GLASGOW UNIVERSITY GEO 600 GROUP	
2. MINIMISE EDGE CHIPPING.	GENERAL TOLERANCES: ± 0.1mm		
3. REMOVE SHARP EDGES (R0.1 TYP)	ANGULAR ± 0.1 °	SYSTEM	ADVANCED LIGO
4. PART SYMMETRIC ABOUT ϕ	MATERIAL	SUB-SYSTEM	SUS
5. INSPECTION POLISH ALL FACES, CHAMFERS AND EDGES	FINISH	NEXT ASSY	N-Ptype Reaction Test Mass
	Inspection Polish	PART NAME	Break-off Prism
	DRAWN: R.JONES, MAY06	SIZE	DWG. NO. D060166
	CHECKED: C.CANTILEY, SEP06	SCALE: 2:1	PROJECTION:
	APPROVED:		SHEET 1 OF 1

8 7 6 5 4 3 2 1