
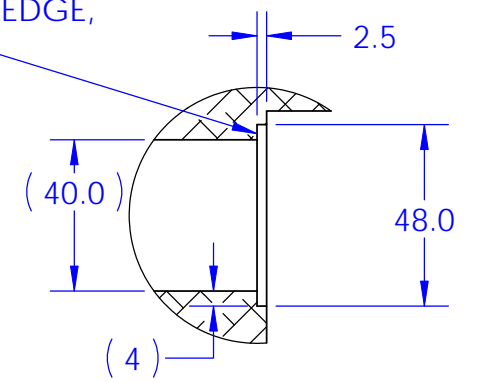


NOTES (UNLESS OTHERWISE SPECIFIED):		DO NOT SCALE DRAWING		A3															
DIMENSIONS ARE IN MILLIMETERS		INSTITUTE FOR GRAVITATIONAL RESEARCH		 Institute for Gravitational Research University of Glasgow GEO 600 Group															
GENERAL TOLERANCES: 0 < X < 50mm: ±0.1mm 50 < X < 150mm: ±0.2mm 100 < X < 1000mm: ±0.3mm 1000 >: ±0.5mm ANGULAR: ±0.2°		QUANTITY: MATERIAL: 6082-T6 Al																	
1. DEBUR AND BREAK SHARP EDGES 2. PART SYMMETRIC ABOUT ϕ		SURFACE TEXTURE (µm): 3.2 MAX ✓ UNLESS STATED		SYSTEM: Advanced LIGO SUB-SYSTEM:															
		FINISH: ..		ASSEMBLY: Monolithic Test Assembly PART NAME: 40kg mock silica mass															
		<table border="1"> <thead> <tr> <th></th> <th>NAME</th> <th>DATE</th> </tr> </thead> <tbody> <tr> <td>DRAWN</td> <td>R.JONES</td> <td>OCT08</td> </tr> <tr> <td>CHK'D</td> <td>M.VEGGEL</td> <td>OCT08</td> </tr> <tr> <td>APPV'D</td> <td></td> <td></td> </tr> <tr> <td>Q.A</td> <td></td> <td></td> </tr> </tbody> </table>			NAME	DATE	DRAWN	R.JONES	OCT08	CHK'D	M.VEGGEL	OCT08	APPV'D			Q.A			DWG NO. D080669 REV: v2
	NAME	DATE																	
DRAWN	R.JONES	OCT08																	
CHK'D	M.VEGGEL	OCT08																	
APPV'D																			
Q.A																			
		SCALE: 1:5 PROJECTION: (3rd ANGLE)		SHEET 1 OF 2															

PHYSICS REFERENCE:

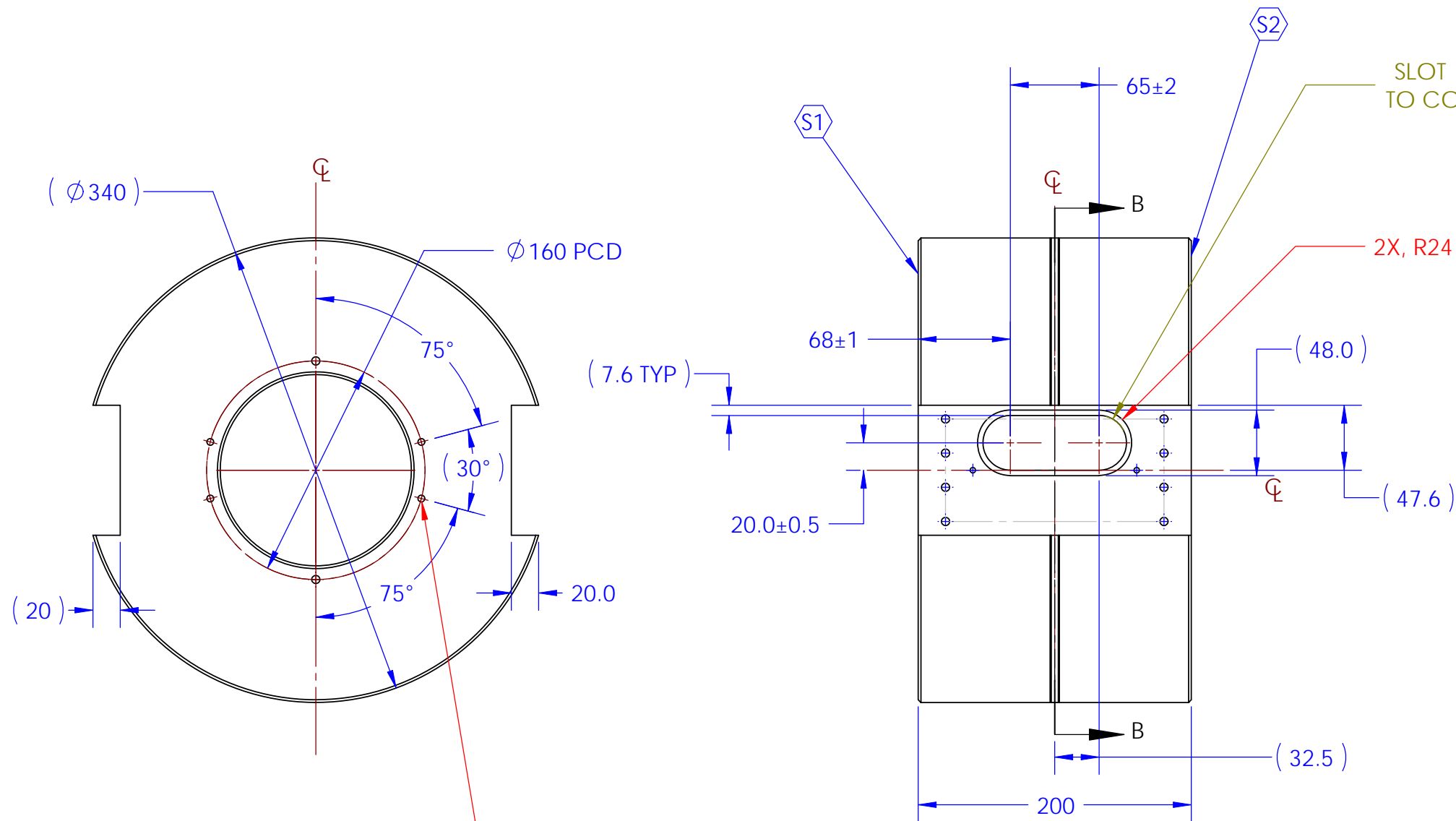
ALT OPTION FOR USE AS DUMMY PM: REMACHINING DETAIL ON ALUMINIUM MASS TO INTRODUCE VIEWPORTS FOR CROSS POLARISERS TO VIEW BONDS UNDER LOAD.
 (PM is not suspended during weld testing so mass is not significant. Not for use at optic level as the material removal may be significant, as it would reduce mass and change centre of mass position.)

[2X, MILLED RECESS/LEDGE, ALL ROUND SLOT]



DETAIL C
SCALE 1 : 2

SLOT $\phi 40 \pm 1$ THRU TO CORE, BOTH SIDES



DRILL HOLES 6X, $\phi 5$ CLEAR $\nabla 20$ MIN ON BOTH FACES ["S1" and "S2"]

SECTION B-B
SCALE 1 : 4

NOTES (UNLESS OTHERWISE SPECIFIED):

DIMENSIONS ARE IN MILLIMETERS

GENERAL TOLERANCES:

- 0 < X < 50mm: ± 0.1 mm
- 50 < X < 150mm: ± 0.2 mm
- 100 < X < 1000mm: ± 0.3 mm
- 1000 > : ± 0.5 mm
- ANGULAR: $\pm 0.5^\circ$

1. DEBUR AND BREAK SHARP EDGES
2. PART SYMMETRIC ABOUT ϕ

QUANTITY:

MATERIAL: 6082-T6 Al

SURFACE TEXTURE (μm): \checkmark

MASS: grams

FINISH: --

	NAME	DATE
DRAWN	R.JONES	OCT08
CHK'D	M.VEGGEL	OCT08
APPV'D		
Q.A		

DO NOT SCALE DRAWING A3



Institute for Gravitational Research
University of Glasgow
GEO 600 Group

SYSTEM: Advanced LIGO

SUB-SYSTEM:

ASSEMBLY: Monolithic Test Assembly

PART NAME: 40kg mock silica mass

DWG NO. D080669

REV: v2

SCALE:1:5

SHEET 2 OF 2