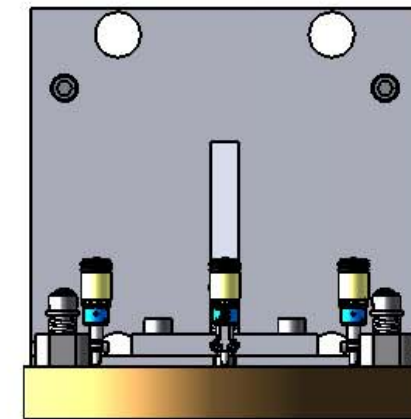
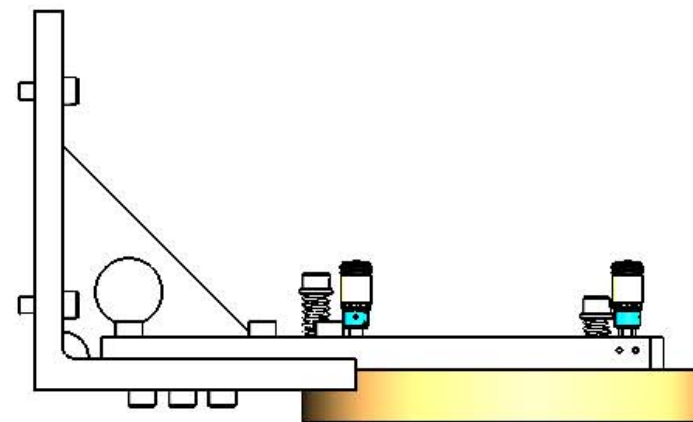
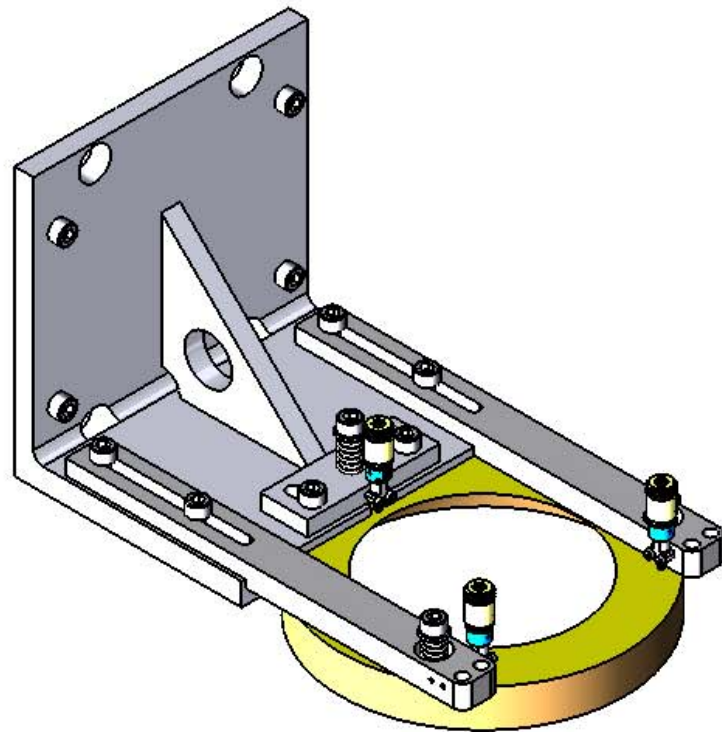
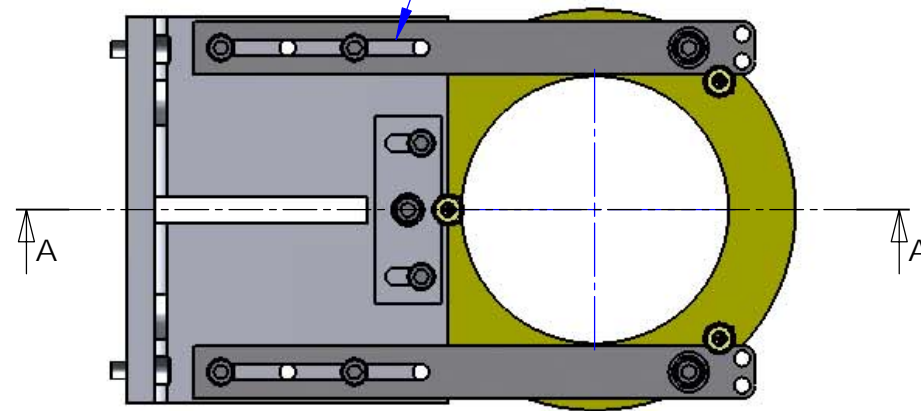


NOTES FOR PHYSICS REFERENCE:

- 1) THE USE OF SLOTS AND OVERSIZE HOLES ALLOWS A GENERAL ADJUSTABILITY FOR ALIGNMENT
- 2) MICROMETERS ENABLE ADJUSTMENT OF (FEED) CONICAL MIRROR IN BOTH rX AND rY - TO LEVEL THE MIRROR DURING INITIAL ALIGNMENT.

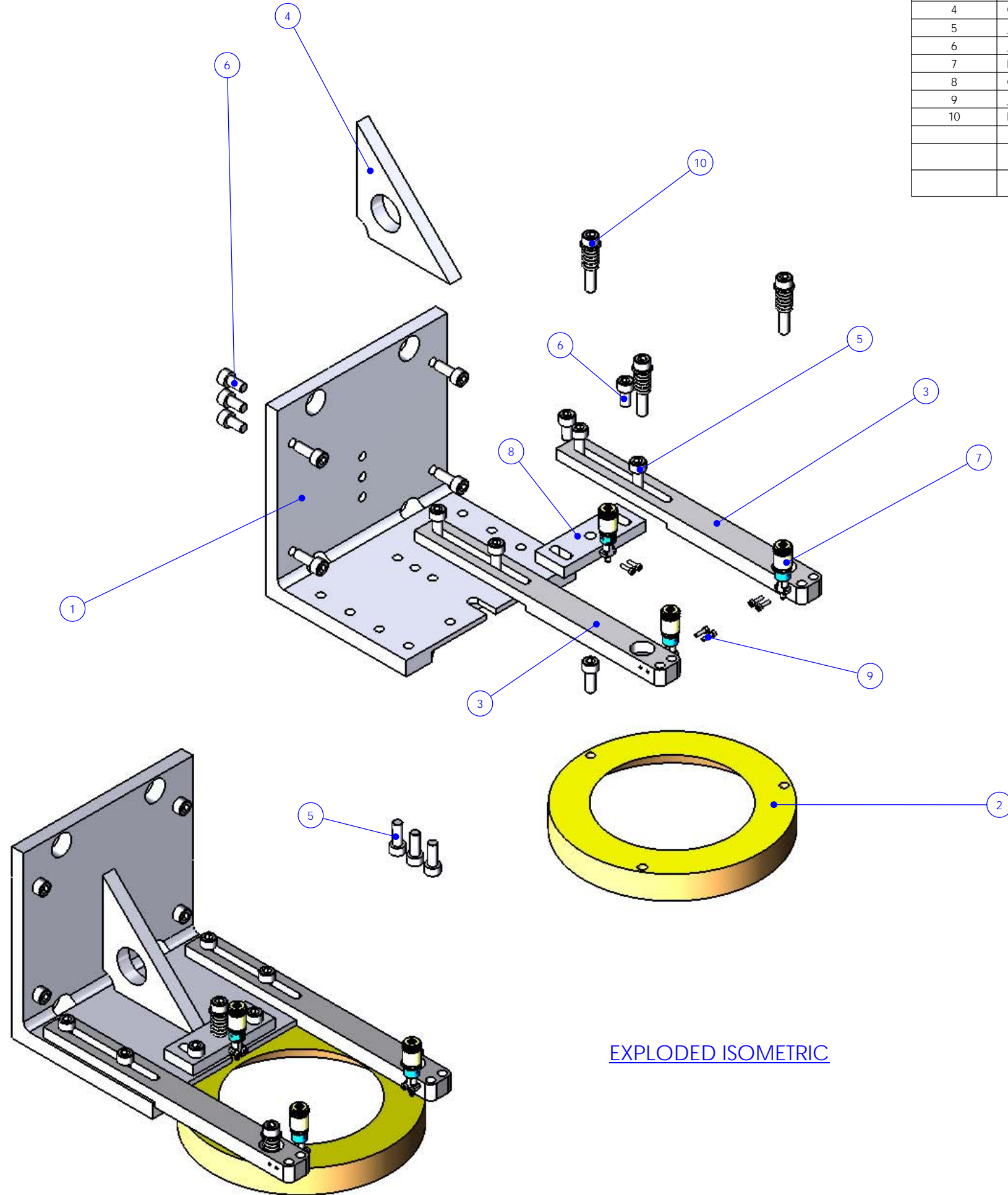
SLOTS ALLOW ADJUSTMENT OF THE CONICAL MIRROR POSITION, SUCH THAT THE AXIS OF BEAM ROTATION COINCIDES WITH THE AXIS OF THE STOCK MATERIAL.



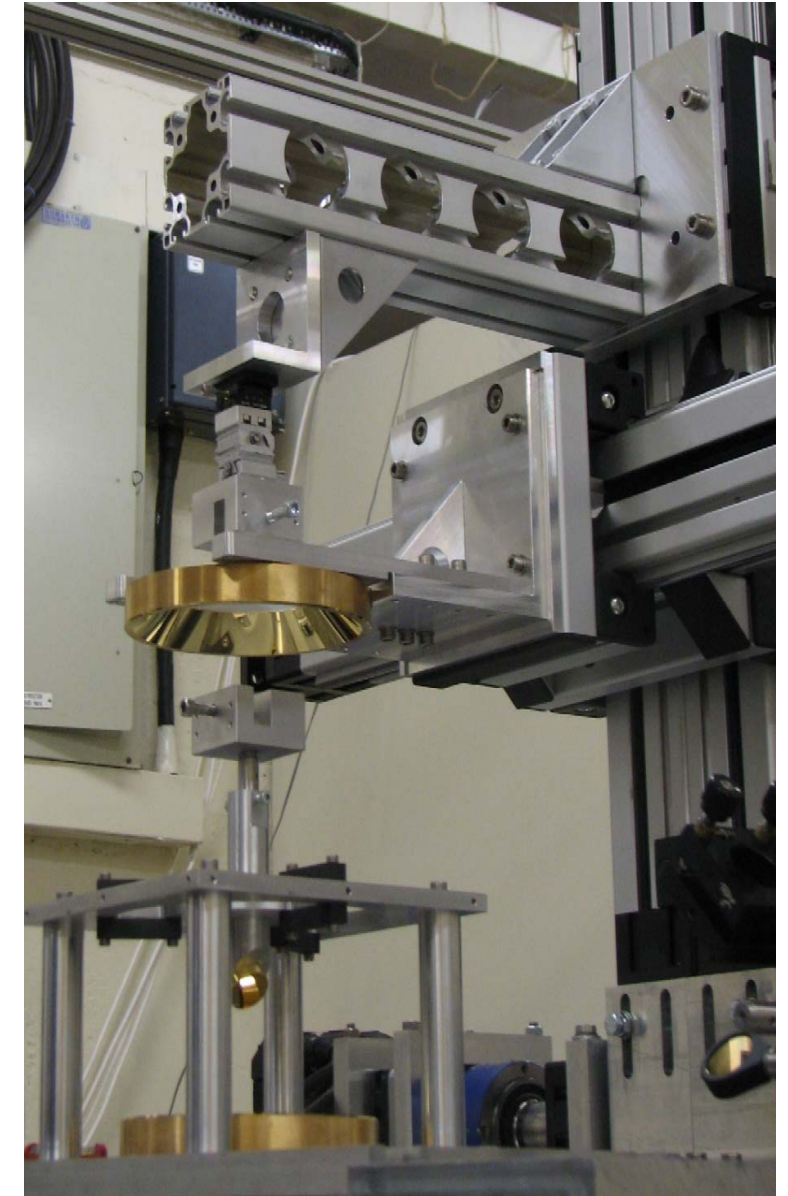
GENERAL ARRANGEMENT


NOTES (UNLESS OTHERWISE SPECIFIED):		DO NOT SCALE DRAWING A2	
DIMENSIONS ARE IN MILLIMETERS		QUANTITY:	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°		MATERIAL:	
1. DEBUR AND BREAK SHARP EDGES		SURFACE TEXTURE (µm):	SYSTEM:
		✓ UNLESS STATED	SUB-SYSTEM: Beam Shaping
		FINISH:	ASSEMBLY: Conical Mirror FEED Assembly
DRAWN	R.JONES	DATE	PART NAME: ---
CHK'D	M.P.LLOYD	MAR06	DWG NO. D060150 [CO2_GLA_ASM_05]
APPV'D	C.CANTLEY	MAR06	
Q.A			SCALE: 1:2 PROJECTION: (3rd ANGLE)

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	CO2_GLA_038_Mounting Platform_Conical Mirror	Mounting Platform	1
2	CO2_GLA_037_Conical_Mirror	(Gold Coated) Conical Mirror	1
3	CO2_GLA_040_Strap	Strap	2
4	CO2_GLA_039_Angled Brace_conical mirror support	Angled Brace	1
5	_____ SST SOCKET HEAD CAP SCREW M6 X 16 LONG		12
6	_____ SST SOCKET HEAD CAP SCREW M6 X 12 LONG		5
7	Micrometer_MDE219_ElliotScientific		3
8	CO2_GLA_052_Micrometer Mount_FEED	Micrometer Mount	1
9	_____ SST SOCKET HEAD CAP SCREW M2 X 8 LONG		6
10	M8 x 30 capscrew_spring_washer Compression Spring	Diameter=9mm, n=6, L=25mm(uncompressed),t=1mm	3
	_____ SST SOCKET HEAD CAP SCREW M6 X 30 LONG		1
	_____ M6 (OD 12 MM) FLAT WASHER Metric-DIN 125 (OR EQUIV.)		1



EXPLODED ISOMETRIC



NOTES (UNLESS OTHERWISE SPECIFIED):		DO NOT SCALE DRAWING A2	
DIMENSIONS ARE IN MILLIMETERS		 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: SURFACE TEXTURE (µm): ✓ UNLESS STATED	
1. DEBUR AND BREAK SHARP EDGES		SYSTEM: SUB-SYSTEM: Beam Shaping ASSEMBLY: Conical Mirror FEED Assembly	
		PART NAME: ---	
DRAWN	R.JONES	DATE	JUNE05
CHK'D	M.P.LLOYD	DATE	MAR06
APPV'D	C.CANTLEY	DATE	MAR06
Q.A		DWG NO.	D060150 [CO2_GLA_ASM_05]
		REV:	v2
SCALE:1:5		PROJECTION: (3rd ANGLE)	
SHEET 2 OF 2			