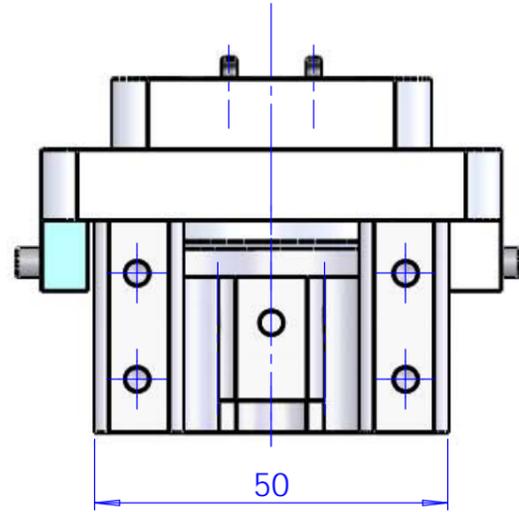
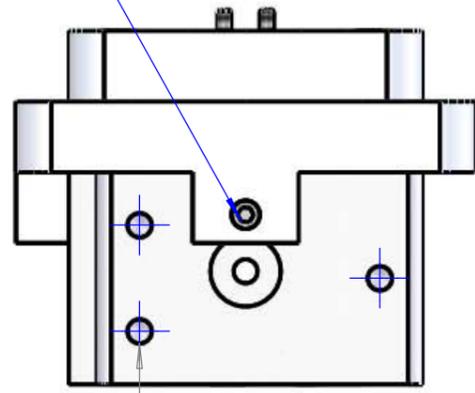
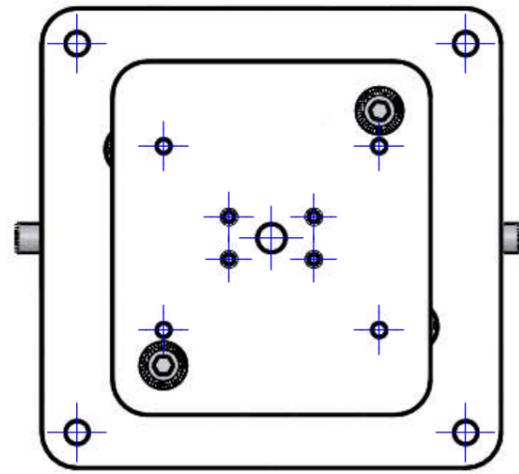
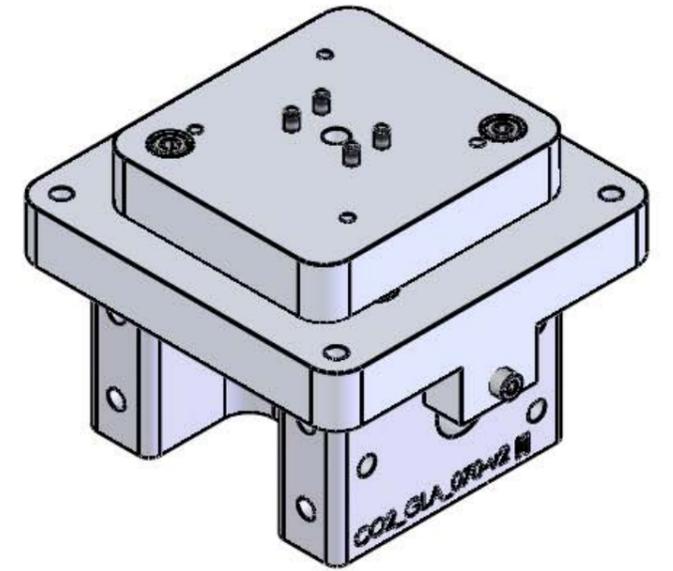
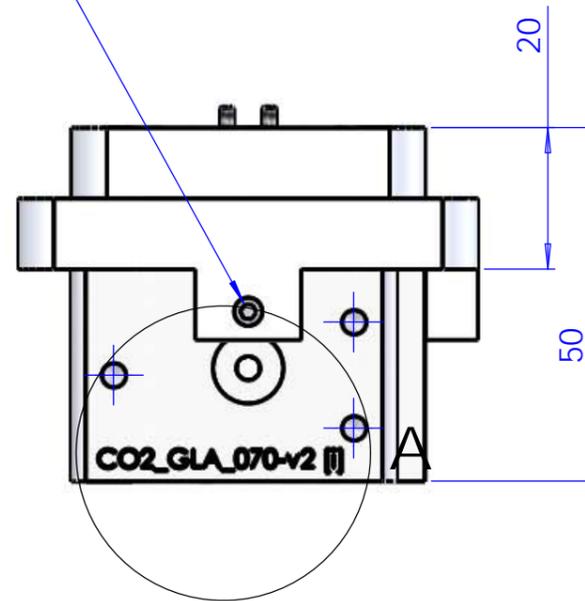


M4 GRUB SCREW FOR SECURING OR GRIPPING THE PULLING MACHINE CLAMP



M4 GRUB SCREW FOR SECURING OR GRIPPING THE PULLING MACHINE CLAMP

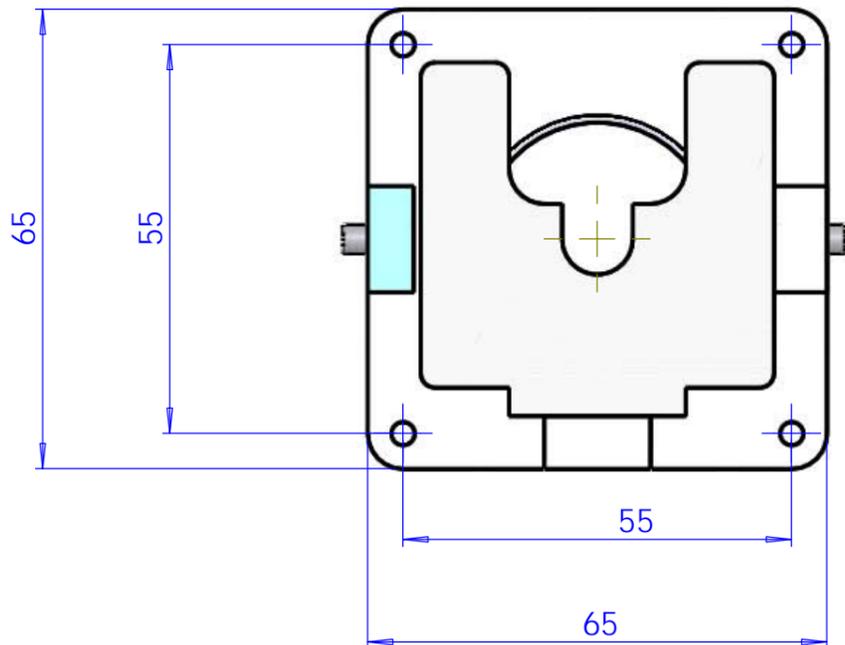


DETAIL A
SCALE 2 : 1



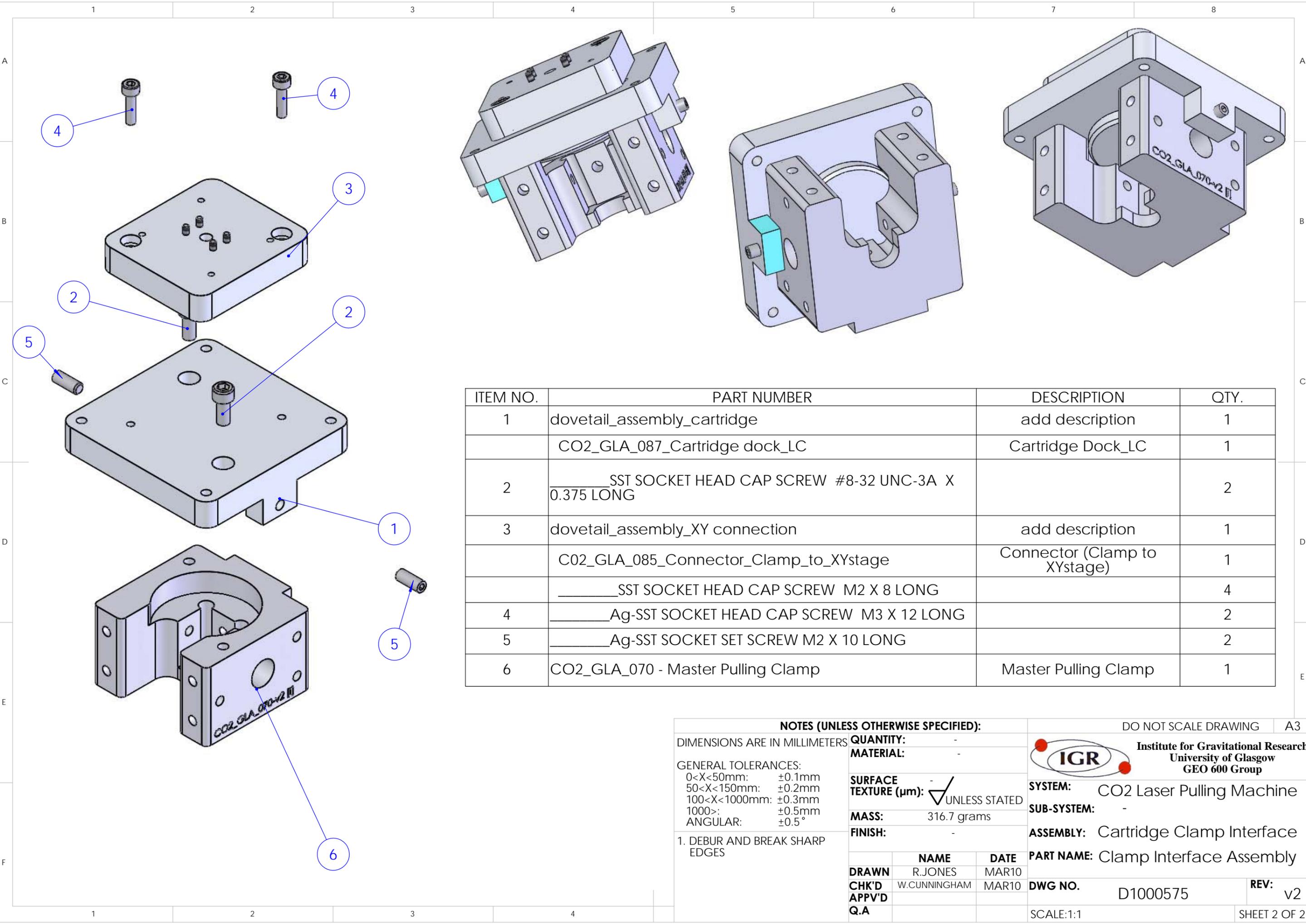
NOTE: LABEL [i] CORRESPONDS TO "IMPERIAL" TAPPED HOLES IN CLAMP (8-32 UNC .005 OVERSIZE)

(8-32 UNC TAP
.005 OVERSIZE
ON CLAMP)



NOTE: IT IS WELL KNOWN THAT THE CO2 LASER PULLING MACHINE IS A METRIC DESIGN, DESIGNED IN GLASGOW, DELIVERED TO EGO IN 2006, AND SINCE TRANSFERRED TO LIGO (LASTI) IN 2007. THE CLAMPS SHOWN HERE WERE DESIGNED FOR LIGO TO CATER FOR A PROCESS WHERE HANDLING OF THE GLASS STOCK BEFORE AND AFTER PULLING IS CONTROLLED, THE CLAMPS MOVE FROM THE PULLING MACHINE TO THE PROFILER "WITH" THE PULLED FIBRE, AND BECAUSE THE CLAMPS MOVE AROUND IN THE LAB SPAECE, TAPPED HOLES WERE CHANGED TO IMPERIAL SPECIFICATIONS [i] TO MINIMISE PRESENCE OF LOOSE METRIC FASTENERS IN THE LIGO LABSPACE.

NOTES (UNLESS OTHERWISE SPECIFIED):			DO NOT SCALE DRAWING		A3															
DIMENSIONS ARE IN MILLIMETERS			 Institute for Gravitational Research University of Glasgow GEO 600 Group																	
GENERAL TOLERANCES:			SYSTEM: CO2 Laser Pulling Machine SUB-SYSTEM: - ASSEMBLY: Cartridge Clamp Interface PART NAME: Clamp Interface Assembly																	
0<X<50mm:	±0.1mm	QUANTITY: - MATERIAL: - SURFACE TEXTURE (µm): √ UNLESS STATED MASS: 316.7 grams FINISH: - 1. DEBUR AND BREAK SHARP EDGES	DWG NO. D1000575 REV: v2																	
50<X<150mm:	±0.2mm		SCALE: 1:1 SHEET 1 OF 2																	
100<X<1000mm:	±0.3mm																			
1000>:	±0.5mm																			
ANGULAR:	±0.5°																			
			<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>MAR10</td> </tr> <tr> <td>CHK'D</td> <td>W.CUNNINGHAM</td> <td>MAR10</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	MAR10	CHK'D	W.CUNNINGHAM	MAR10	APPV'D			Q.A		
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DRAWN	R.JONES	MAR10																		
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ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	dovetail_assembly_cartridge	add description	1
	CO2_GLA_087_Cartridge dock_LC	Cartridge Dock_LC	1
2	_____SST SOCKET HEAD CAP SCREW #8-32 UNC-3A X 0.375 LONG		2
3	dovetail_assembly_XY connection	add description	1
	C02_GLA_085_Connector_Clamp_to_XYstage	Connector (Clamp to XYstage)	1
	_____SST SOCKET HEAD CAP SCREW M2 X 8 LONG		4
4	_____Ag-SST SOCKET HEAD CAP SCREW M3 X 12 LONG		2
5	_____Ag-SST SOCKET SET SCREW M2 X 10 LONG		2
6	CO2_GLA_070 - Master Pulling Clamp	Master Pulling Clamp	1

NOTES (UNLESS OTHERWISE SPECIFIED):
 DIMENSIONS ARE IN MILLIMETERS
 GENERAL TOLERANCES:
 0<X<50mm: ±0.1mm
 50<X<150mm: ±0.2mm
 100<X<1000mm: ±0.3mm
 1000>: ±0.5mm
 ANGULAR: ±0.5°
 1. DEBUR AND BREAK SHARP EDGES

QUANTITY: -
MATERIAL: -
SURFACE TEXTURE (µm): ✓ UNLESS STATED
MASS: 316.7 grams
FINISH: -

	NAME	DATE
DRAWN	R.JONES	MAR10
CHK'D	W.CUNNINGHAM	MAR10
APPV'D		
Q.A		

DO NOT SCALE DRAWING A3
IGR Institute for Gravitational Research
 University of Glasgow
 GEO 600 Group
SYSTEM: CO2 Laser Pulling Machine
SUB-SYSTEM: -
ASSEMBLY: Cartridge Clamp Interface
PART NAME: Clamp Interface Assembly
DWG NO. D1000575 **REV:** v2
 SCALE:1:1 SHEET 2 OF 2