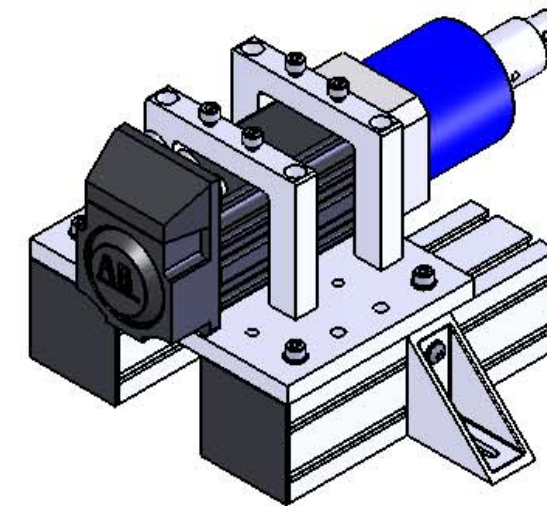
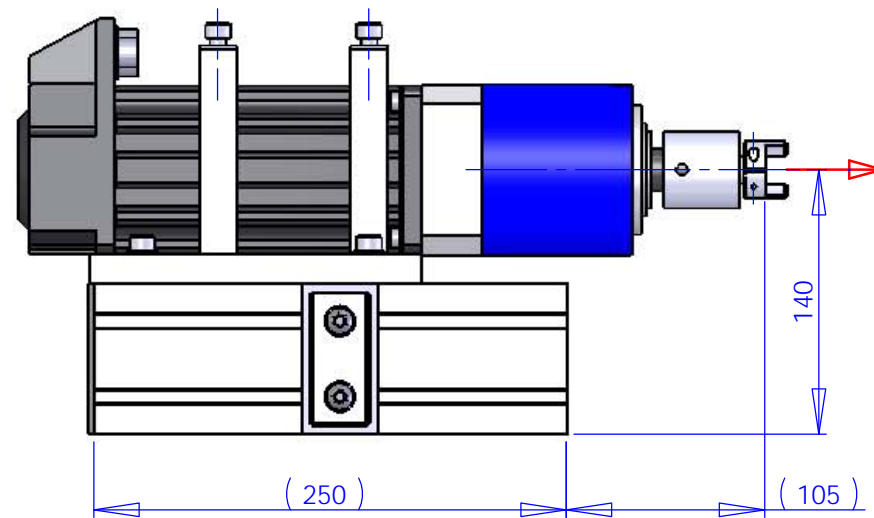
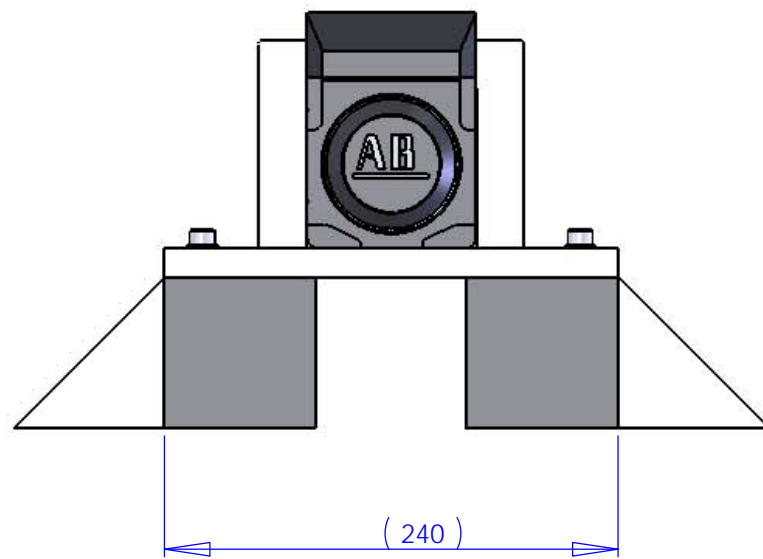


NOTE:

EACH OF THE 2 DRIVE ASSEMBLIES SHOULD BE ANCHORED TO THE OPTICAL BENCH USING A MINIMUM OF 2 ANGLE BRACKETS (PER ASSEMBLY)
[E.g. BRACKET:- ITEM Angle Bracket 8 (0.0.411.32)]



SLOTTED BRACKET (Ø8 CLEAR, HOLE TO HOLE)
ALLOWS FIXING TO BENCH IN ANY CHOSEN POSITION.



ATTACH TO VERTICAL TWIN-BALLSCREW UNIT
(AS IN PROPOSAL 52203A.dwg)

GENERAL ARRANGEMENT

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: ±0.2°

1. DEBUR AND BREAK SHARP EDGES

QUANTITY: 2 off

MATERIAL: *N/A*

SURFACE TEXTURE (µm):
 ✓ UNLESS STATED

FINISH: ..

	NAME	DATE
DRAWN	R.JONES	FEB06
CHK'D	M.P-LLOYD	MAR06
APPV'D	C.CANTLEY	MAR06
Q.A		

DO NOT SCALE DRAWING A3



Institute for Gravitational Research
University of Glasgow
GEO 600 Group

SYSTEM: CO2 Laser Pulling Machine

SUB-SYSTEM: -

ASSEMBLY: Motor/Drive Assembly

PART NAME: -

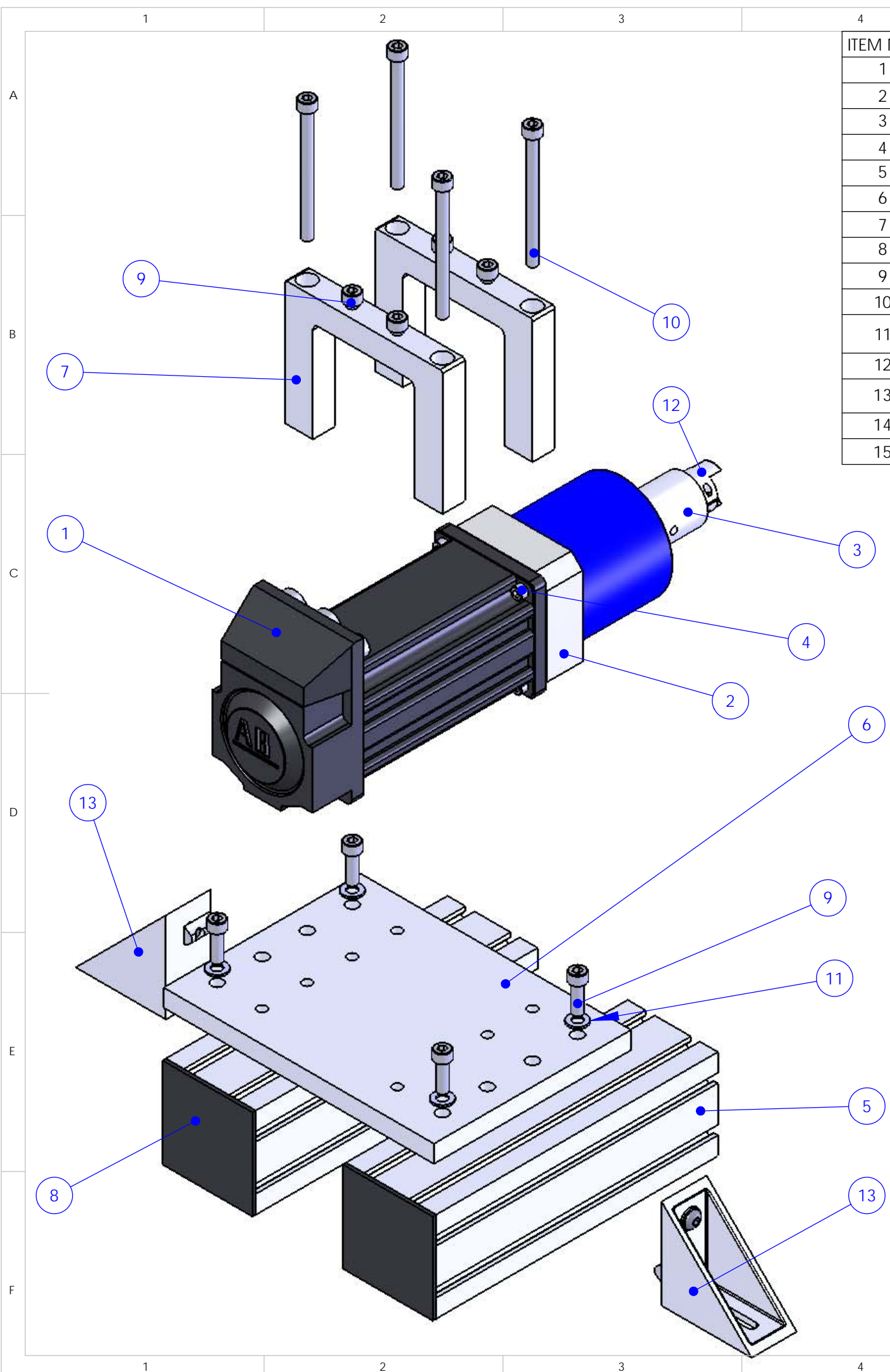
DWG NO. D060147 [CO2_GLA_ASM_02]

REV: v2

SCALE:1:5

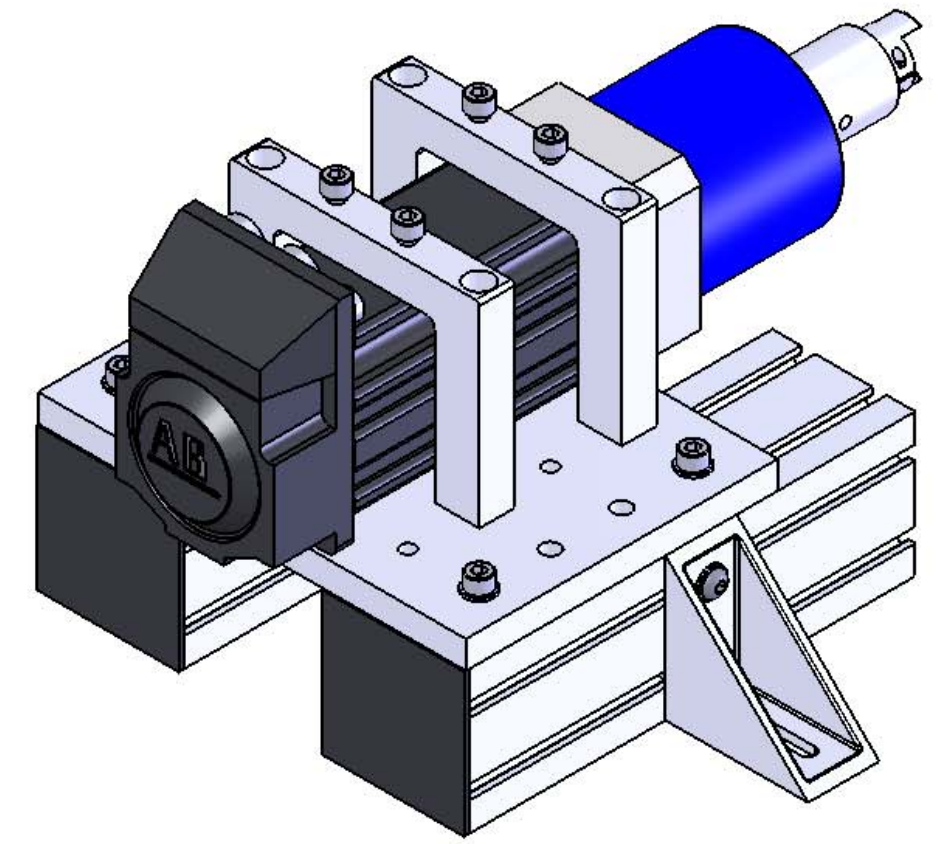
PROJECTION: (3rd ANGLE)



SHEET 1 OF 2



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	A330P_SERVO MOTOR	4.18Nm 5000rpm	1
2	ALPHA GEARBOX	5:1 reduction	1
3	CO2_GLA_015_Secondary Coupling	Secondary Coupling	1
4	_____SST SOCKET HEAD CAP SCREW M6 X 20 LONG		4
5	CO2_GLA_044_Aluminium extrusion_motor support	Aluminium Extrusion_motor support	2
6	CO2_GLA_013_Motor MountingPlate	Motor Mounting Plate	1
7	CO2_GLA_014_Motor Anchor	Motor Anchor	2
8	80x80_endcap	ITEM: 0.0.026.37	2
9	_____SST SOCKET HEAD CAP SCREW M8 X 25 LONG		8
10	_____SST SOCKET HEAD CAP SCREW M8 X 100 LONG		4
11	_____M8 (1.6 MM THICK) FLAT WASHER Metric-DIN 125 (OR EQUIV.)		8
12	CO2_GLA_056_Coupling Half_D30	D30_D6 Coupling (ITEM: 0.0.337.69)	1
13	slotted_CO2_GLA_051_Angle Bracket_80x80	Angle Bracket set 8 (ITEM: 0.0.411.32)	2
14	item_0036429_Button_Head_Screw_M8x14_bright_zinc_plated_7		4
15	item_0038849_T_Slot_Nut_8_St_M8_stainless_1		4

EXPLODED ISOMETRIC



NOTES (UNLESS OTHERWISE SPECIFIED):		DO NOT SCALE DRAWING		A3
DIMENSIONS ARE IN MILLIMETERS		QUANTITY: 2 off	 Institute for Gravitational Research University of Glasg�w 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: *N/A*		
1. DEBUR AND BREAK SHARP EDGES		SURFACE TEXTURE (µm): ✓ UNLESS STATED	SYSTEM: CO2 Laser Pulling Machine	
		FINISH: ..	SUB-SYSTEM: -	
DRAWN	R.JONES	DATE	ASSEMBLY: Motor/Drive Assembly	
CHK'D	M.P-LLOYD	DATE	PART NAME: -	
APPV'D	C.CANTLEY	DATE	DWG NO. D060147 [CO2_GLA_ASM_02]	REV: v2
Q.A			SCALE: 1:10	PROJECTION: (3rd ANGLE) 
			SHEET 2 OF 2	