


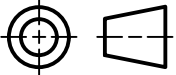
PARTS LIST			
ITEM	PART NUMBER	DESCRIPTION	QTY
1	CTR-01-00	Initial Control Box Assembly	1
2	CTR-02-00	Component Assembly	1
3	AS 1112 – M4	Nut, Hexagon, M4	6



THE UNIVERSITY
of ADELAIDE

UNLESS STATED OTHERWISE
GENERAL TOLERANCE:
LINEAR: ± 0.3
ANGULAR: ± 1°
REMOVE BURRS & SHARP EDGES
3.2 ✓ ALL OVER.

DO NOT SCALE



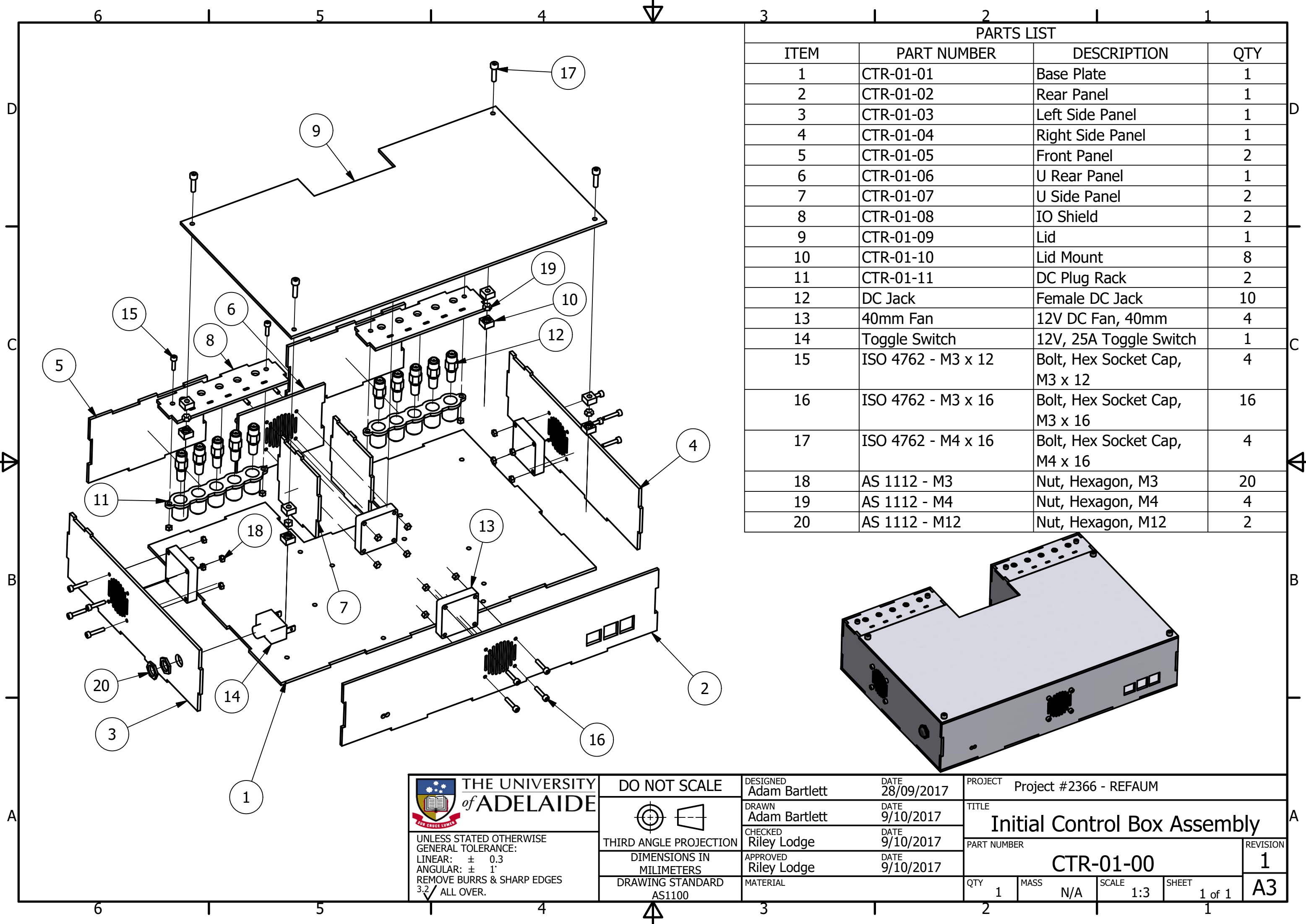
THIRD ANGLE PROJECTION

DIMENSIONS IN
MILLIMETERS

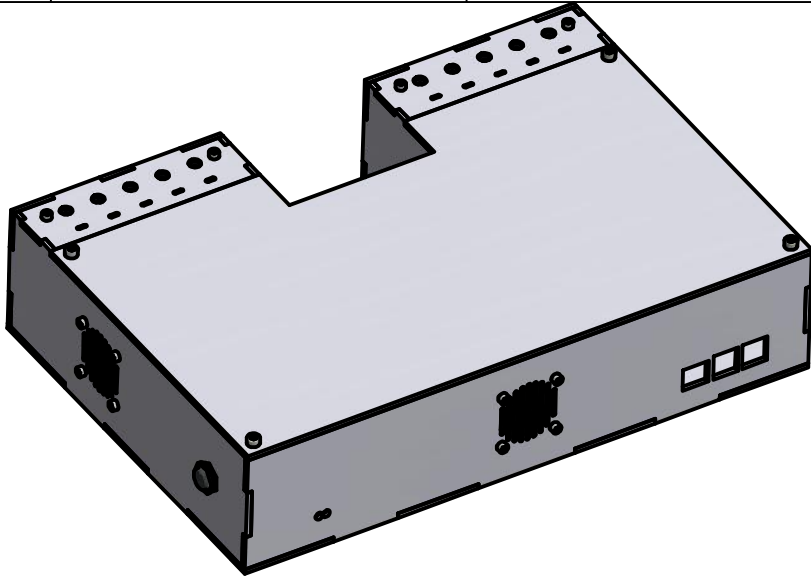
DRAWING STANDARD
AS1100


DESIGNED Adam Bartlett	DATE 28/09/2017
DRAWN Adam Bartlett	DATE 9/10/2017
CHECKED Riley Lodge	DATE 9/10/2017
APPROVED Riley Lodge	DATE 9/10/2017
MATERIAL	

PROJECT Project #2366 - REFAUM			
TITLE Final Control Box Assembly			
PART NUMBER CTR-00-00			REVISION 1
QTY 1	MASS N/A	SCALE 1:3	SHEET 1 of 1
			A3



PARTS LIST			
ITEM	PART NUMBER	DESCRIPTION	QTY
1	CTR-01-01	Base Plate	1
2	CTR-01-02	Rear Panel	1
3	CTR-01-03	Left Side Panel	1
4	CTR-01-04	Right Side Panel	1
5	CTR-01-05	Front Panel	2
6	CTR-01-06	U Rear Panel	1
7	CTR-01-07	U Side Panel	2
8	CTR-01-08	IO Shield	2
9	CTR-01-09	Lid	1
10	CTR-01-10	Lid Mount	8
11	CTR-01-11	DC Plug Rack	2
12	DC Jack	Female DC Jack	10
13	40mm Fan	12V DC Fan, 40mm	4
14	Toggle Switch	12V, 25A Toggle Switch	1
15	ISO 4762 - M3 x 12	Bolt, Hex Socket Cap, M3 x 12	4
16	ISO 4762 - M3 x 16	Bolt, Hex Socket Cap, M3 x 16	16
17	ISO 4762 - M4 x 16	Bolt, Hex Socket Cap, M4 x 16	4
18	AS 1112 - M3	Nut, Hexagon, M3	20
19	AS 1112 - M4	Nut, Hexagon, M4	4
20	AS 1112 - M12	Nut, Hexagon, M12	2

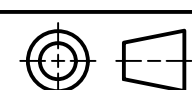




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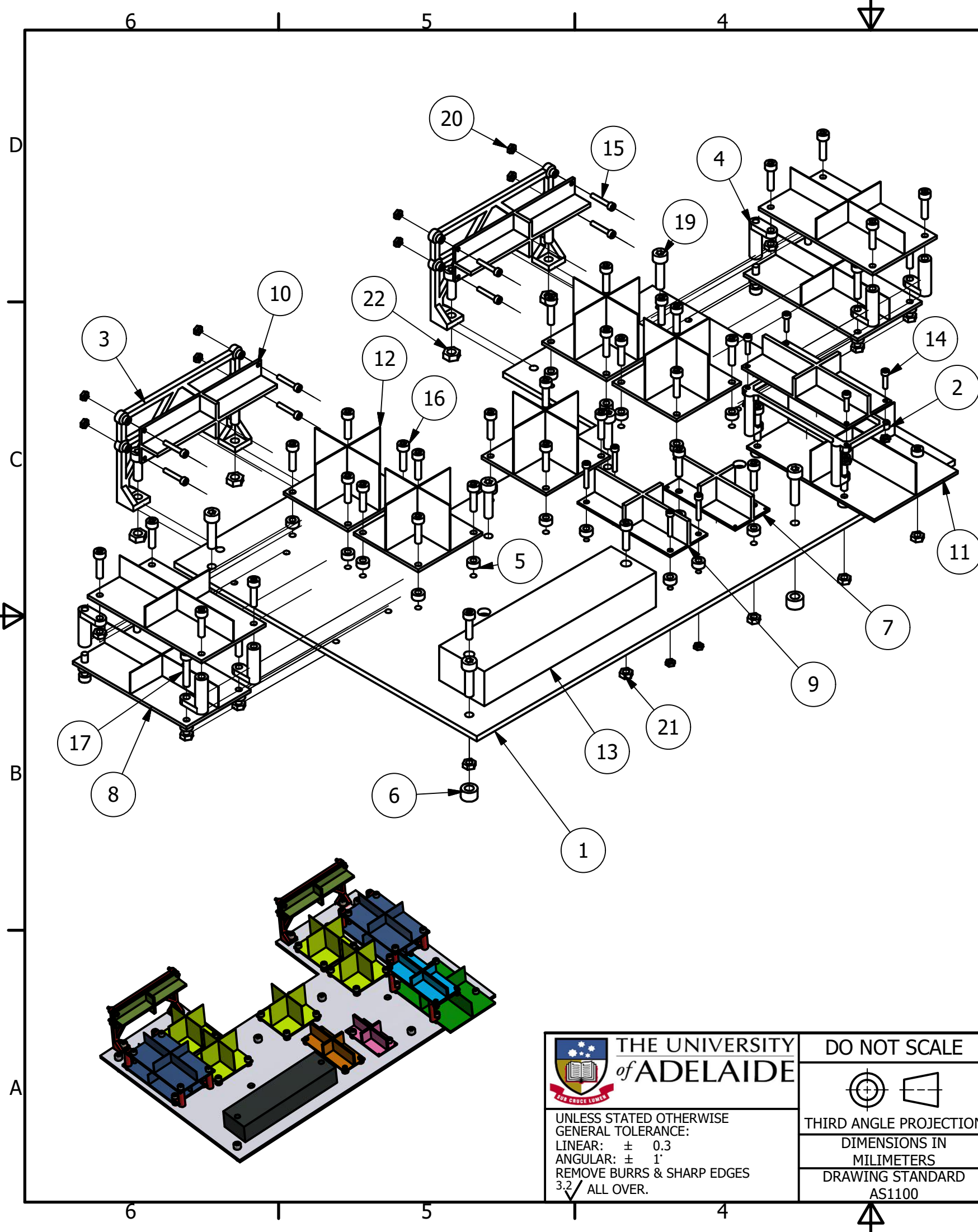
THIRD ANGLE PROJECTION

DIMENSIONS IN
MILLIMETERS


DRAWING STANDARD
AS1100

DESIGNED Adam Bartlett	DATE 28/09/2017
DRAWN Adam Bartlett	DATE 9/10/2017
CHECKED Riley Lodge	DATE 9/10/2017
APPROVED Riley Lodge	DATE 9/10/2017
MATERIAL	

PROJECT Project #2366 - REFAUM			
TITLE Initial Control Box Assembly			
PART NUMBER CTR-01-00			REVISION 1
QTY 1	MASS N/A	SCALE 1:3	SHEET 1 of 1
			A3



PARTS LIST			
ITEM	PART NUMBER	DESCRIPTION	QTY
1	CTR-02-01	Floor	1
2	CTR-02-02	ADC Mount	2
3	CTR-02-03	POT Mount	2
4	CTR-02-04	Large Motor Controller Mount	8
5	CTR-02-05	M3 Mount 3mm	38
6	CTR-02-06	M4 Mount 5mm	6
7	DC Buck Converter	DC Buck Converter	1
8	Large Motor Controller	Large Motor Controller	4
9	PWM Generator	PWM Generator	1
10	Potentiometer Output	Potentiometer Output	2
11	Raspberry Pi 3	Raspberry Pi 3	1
12	Small Motor Controller	Small Motor Controller	5
13	Terminal Block	Terminal Block	1
14	ISO 4762 - M2 x 8	Bolt, Hex Socket Cap, M2 x 8	4
15	ISO 4762 - M2 x 12	Bolt, Hex Socket Cap, M2 x 12	12
16	ISO 4762 - M3 x 12	Bolt, Hex Socket Cap, M3 x 12	38
17	ISO 4762 - M3 x 16	Bolt, Hex Socket Cap, M3 x 16	6
18	ISO 4762 - M4 x 12	Bolt, Hex Socket Cap, M4 x 12	4
19	ISO 4762 - M4 x 16	Bolt, Hex Socket Cap, M4 x 16	6
20	AS 1112 - M2	Nut, Hexagon, M2	16
21	AS 1112 - M3	Nut, Hexagon, M3	36
22	AS 1112 - M4	Nut, Hexagon, M4	4

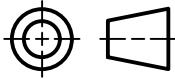


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REMOVE BURRS & SHARP EDGES
3.2 ALL OVER.

DO NOT SCALE



THIRD ANGLE PROJECTION

DIMENSIONS IN
MILLIMETERS

DRAWING STANDARD
AS1100

DESIGNED
Adam Bartlett

DATE
28/09/2017

DRAWN
Adam Bartlett

DATE
9/10/2017

CHECKED
Riley Lodge

DATE
9/10/2017

APPROVED
Riley Lodge

DATE
9/10/2017

MATERIAL

PROJECT
Project #2366 - REFAUM

TITLE
Component Assembly

PART NUMBER
CTR-02-00

REVISION
1

QTY
1

MASS
0.345 kg

SCALE
1:2

SHEET
1 of 1

A3