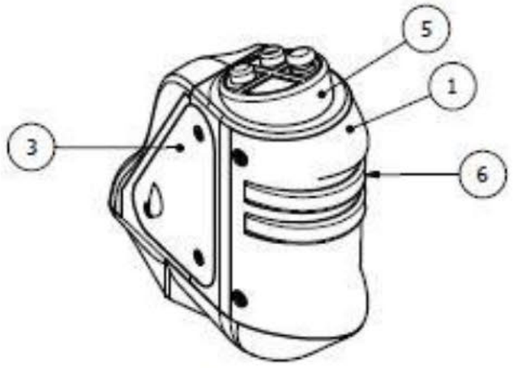
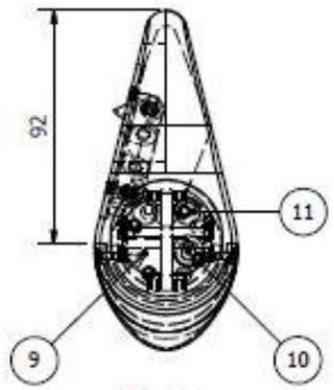
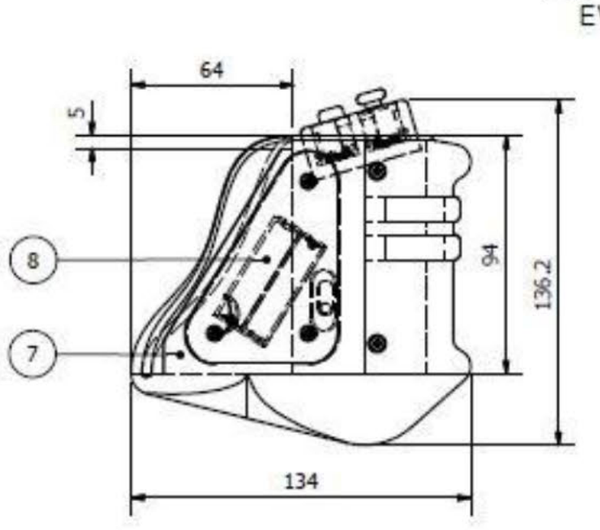


ISOMETRIC PROJECTION

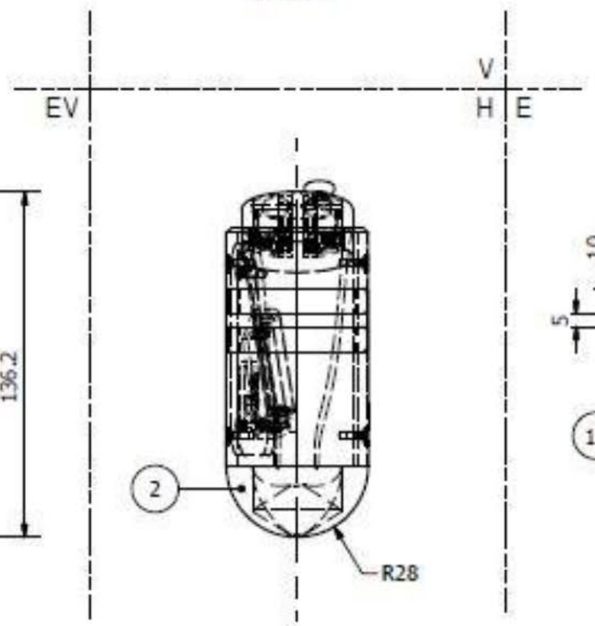


PLAN

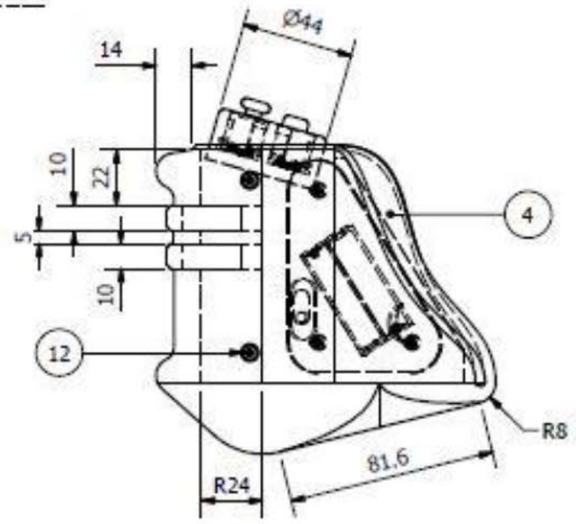
PARTS LIST			
ITEM	PART NAME	QTY	MATERIAL
1	Foregrip	1	Silicone Rubber
2	SensorDome	1	Polycarbonate, Electronics
3	SidePanel	1	ABS Plastic
4	PalmGrip	1	Silicone Rubber
5	ControlHub	1	ABS Plastic
6	TriggerButton	2	ABS Plastic
7	Frame	1	ABS Plastic
8	AAA Battery	2	
9	[Control] Blank	2	ABS Plastic
10	[Control] AnalogStick	2	ABS Plastic, Electronics
11	[Control] Button	2	ABS Plastic, Electronics
12	IFI 513 - M3x0.5 x 8 Cross Recessed Flat Countersunk Head Machine Screw	7	Steel, Mild



RIGHT END ELEVATION

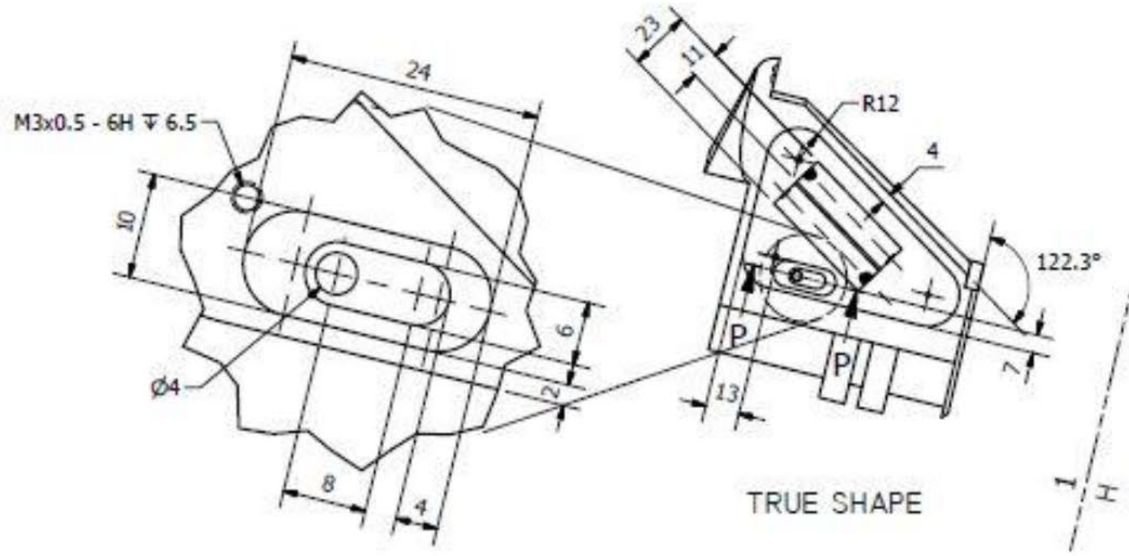


FRONT ELEVATION



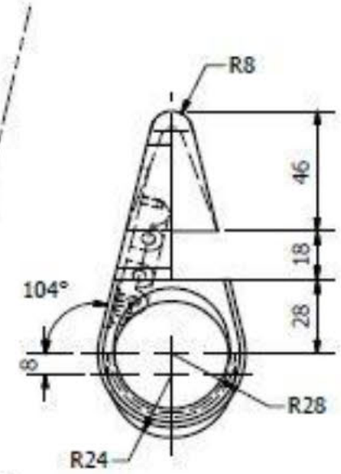
LEFT END ELEVATION

23/10/17	SCALE 1:2	ORTHOGRAPHIC PROJECTION		

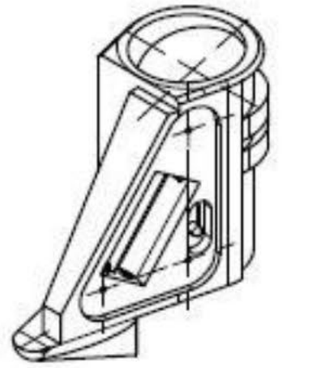


ENLARGED DETAIL
SCALE 2 : 1

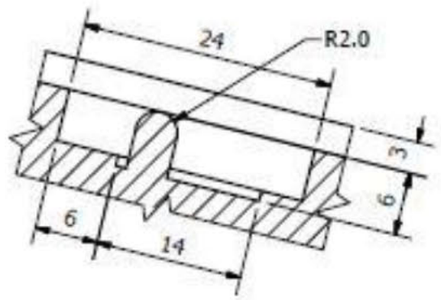
TRUE SHAPE



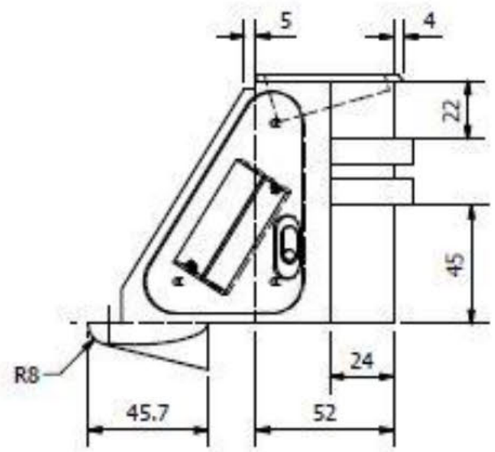
PLAN



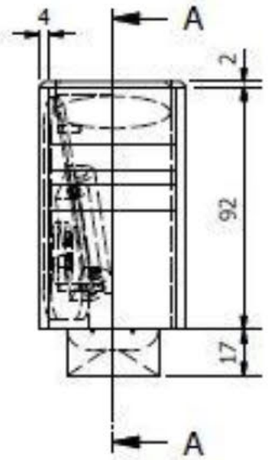
ISOMETRIC PROJECTION



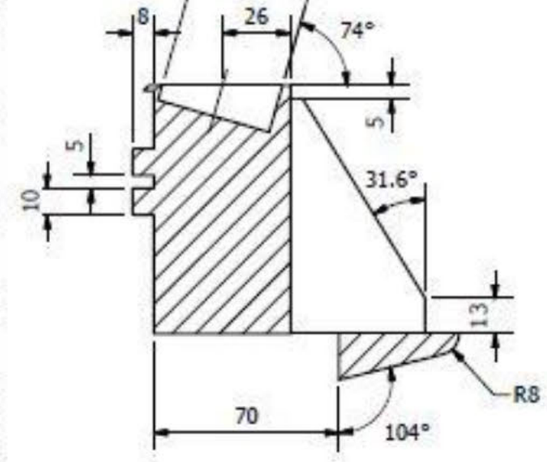
REMOVED SECTION P-P
SCALE 2 : 1



END ELEVATION

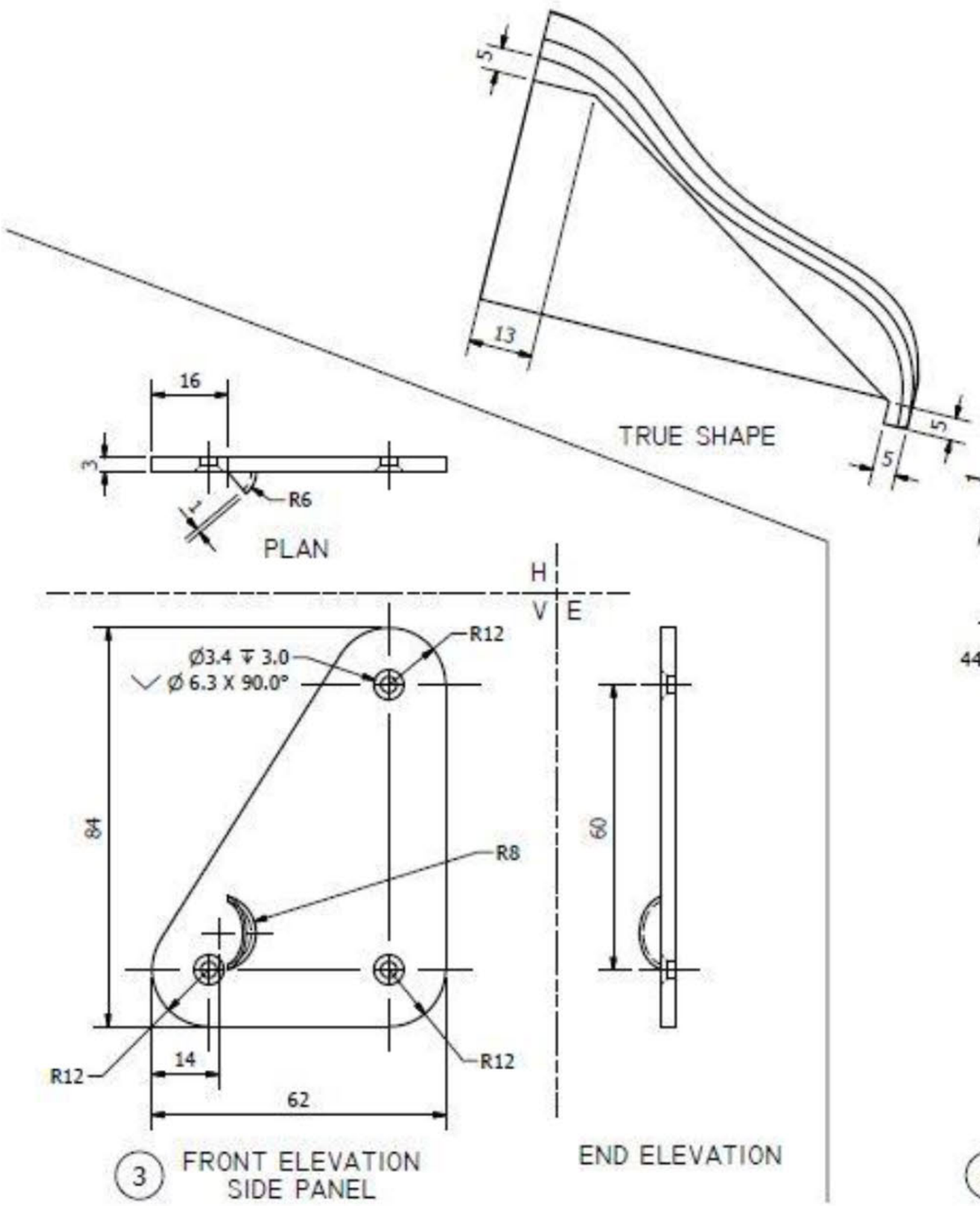


FRONT ELEVATION

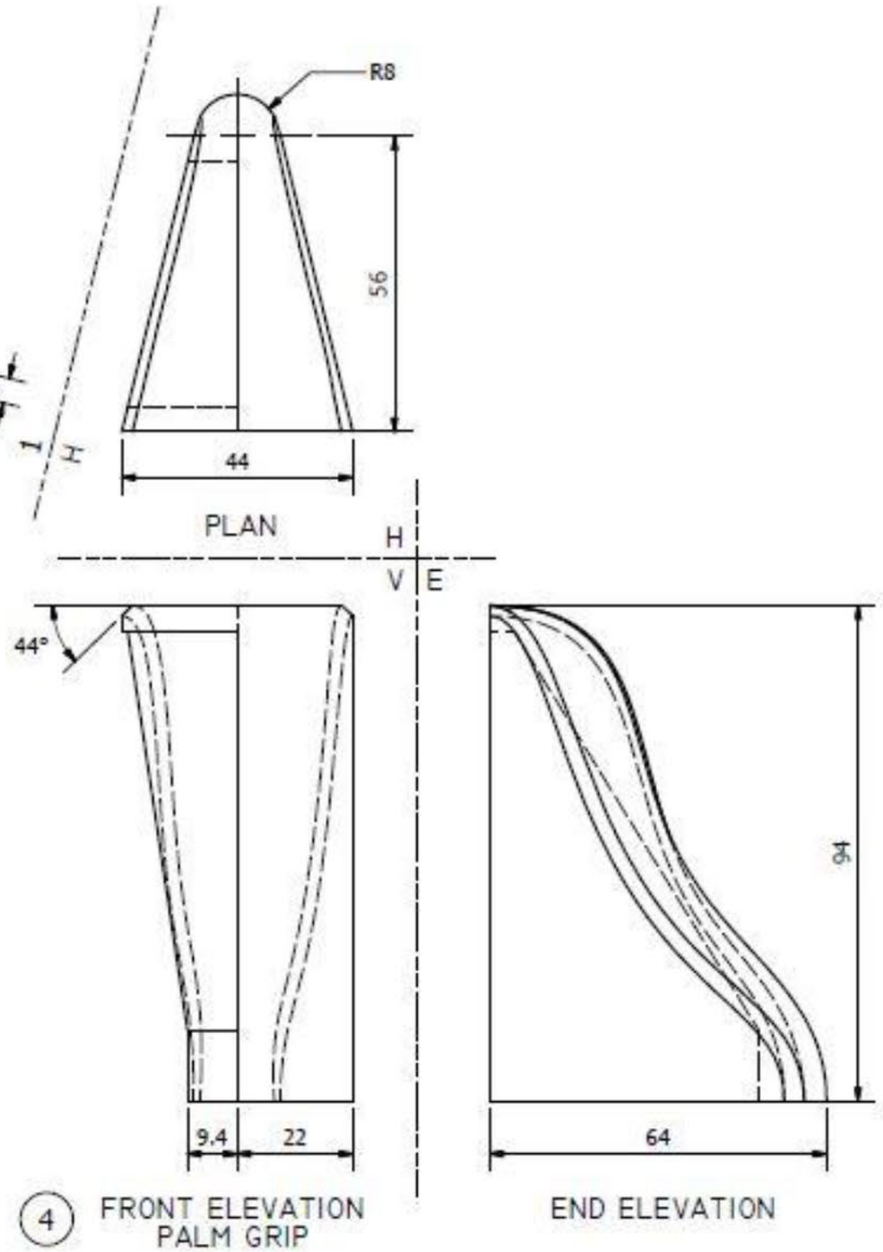


SECTION A-A

23/10/17	SCALE 1:2	(7) FRAME ORTHOGRAPHIC		

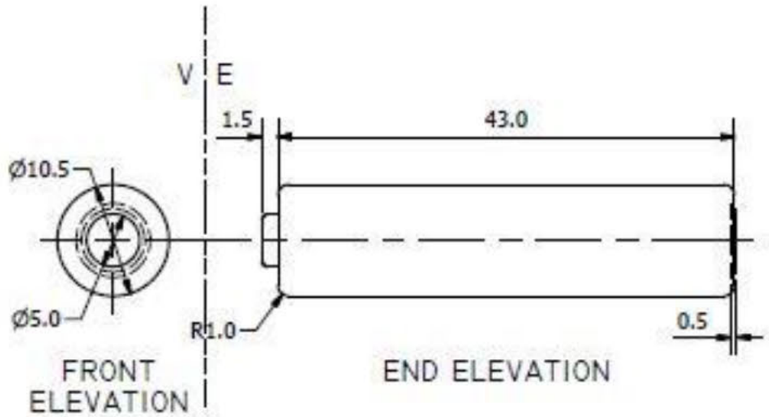


3 FRONT ELEVATION SIDE PANEL

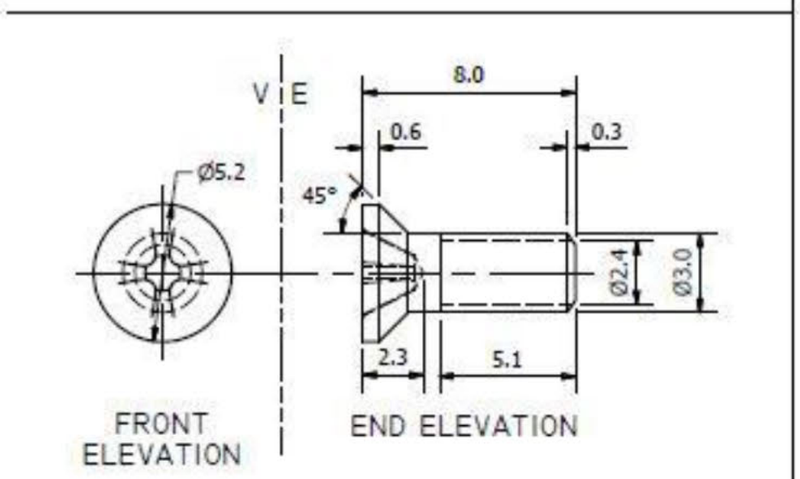


4 FRONT ELEVATION PALM GRIP

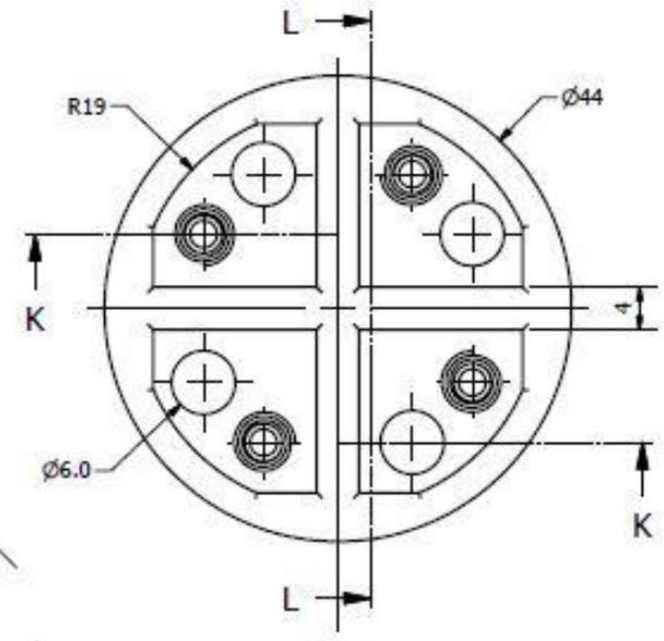
23/10/17	SCALE 1:1	PART DRAWINGS		

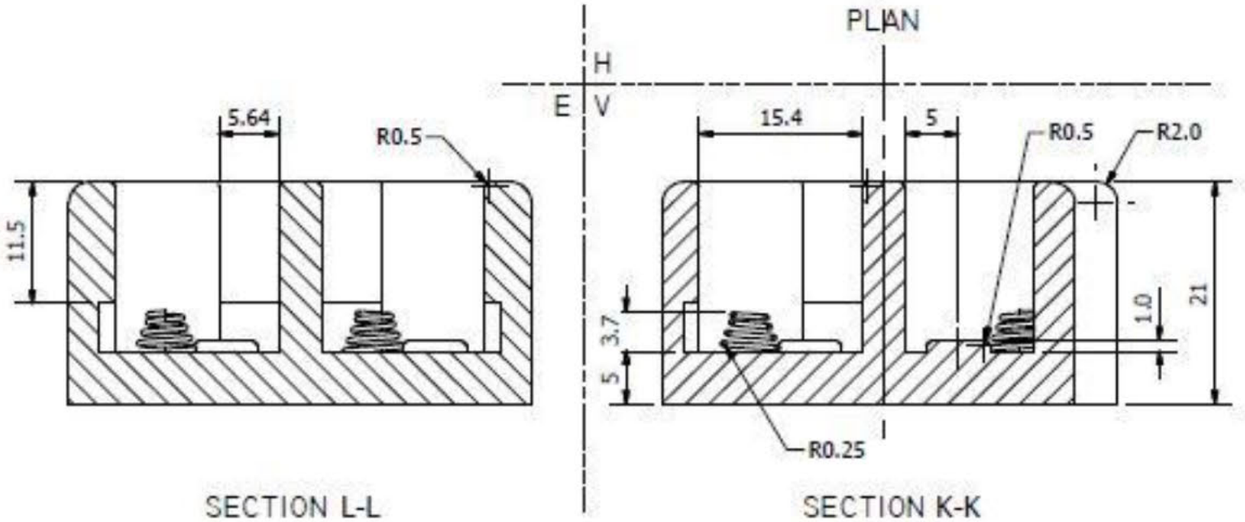


8 AAA BATTERY
SCALE 2 : 1



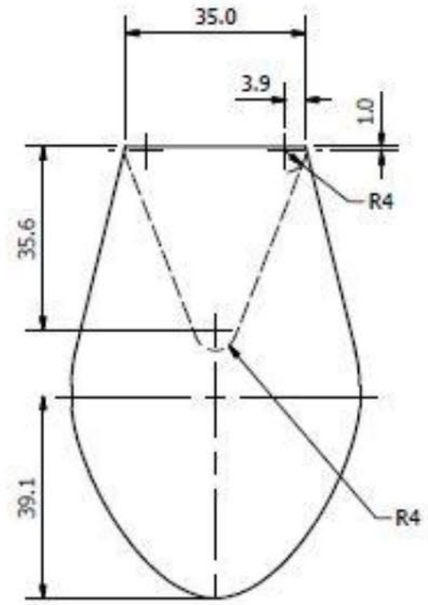
IFI 513 - M3x0.5 x 8
CROSS RECESSED FLAT COUNTERSUNK HEAD
12 MACHINE SCREW
SCALE 5 : 1



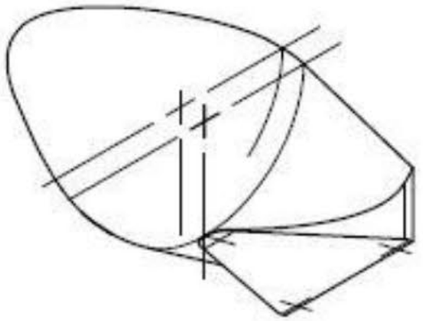


5 CONTROL HUB
SCALE 2 : 1

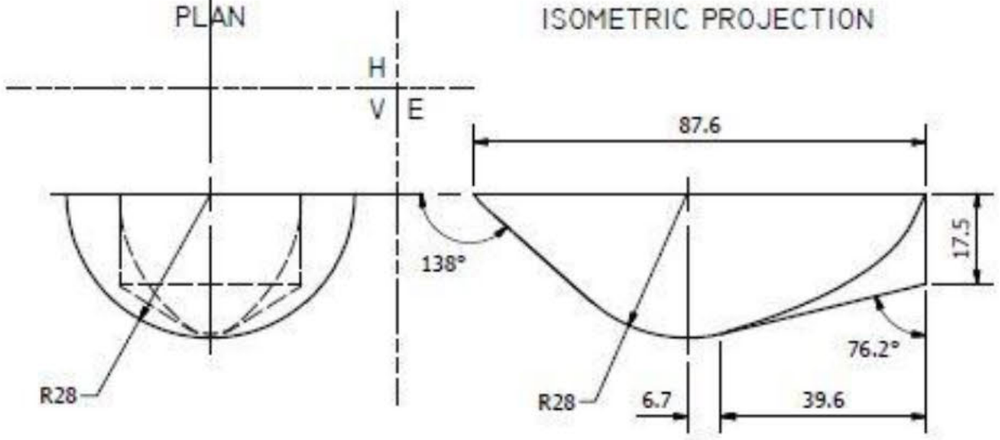
23/10/17	SCALE VARIES	PART DRAWINGS 2		



PLAN

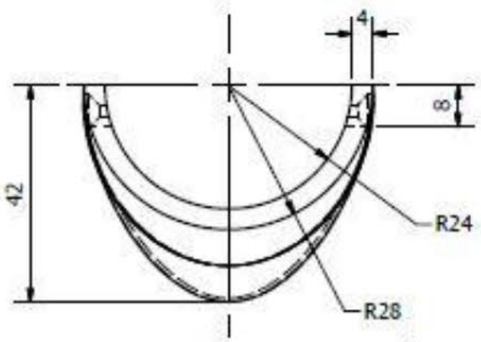


ISOMETRIC PROJECTION

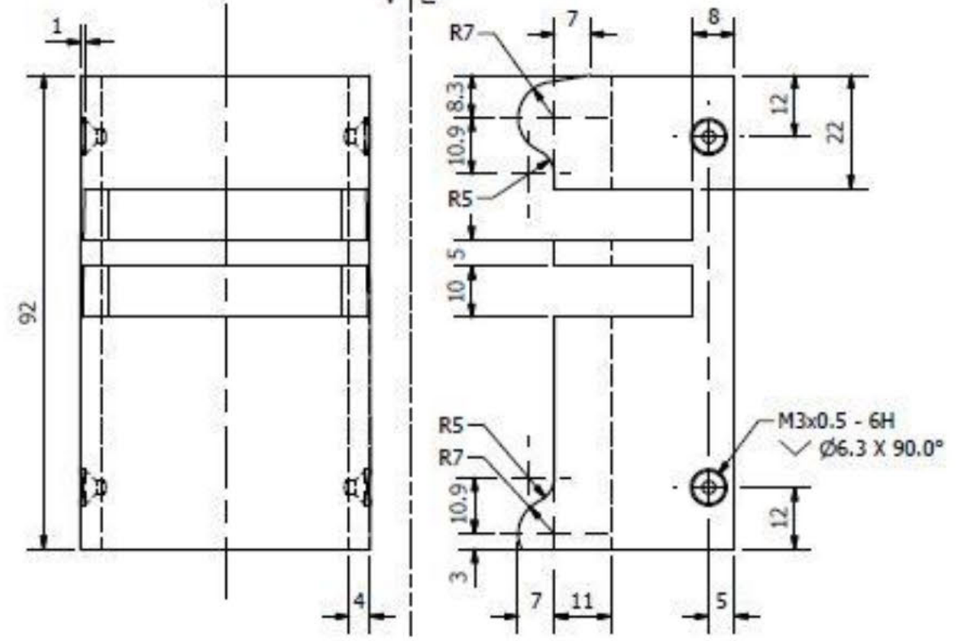


2 FRONT ELEVATION
SENSOR DOME

END ELEVATION



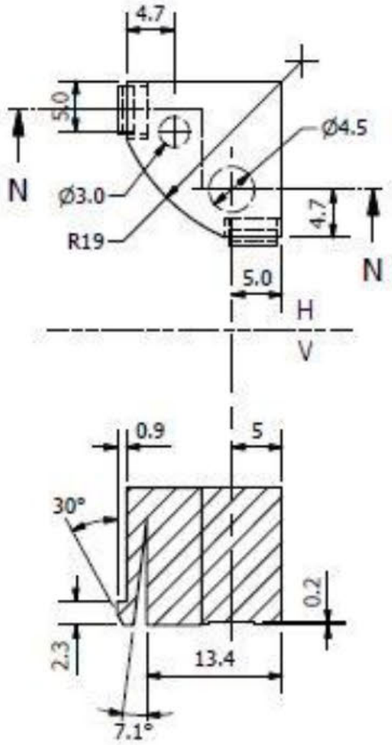
PLAN



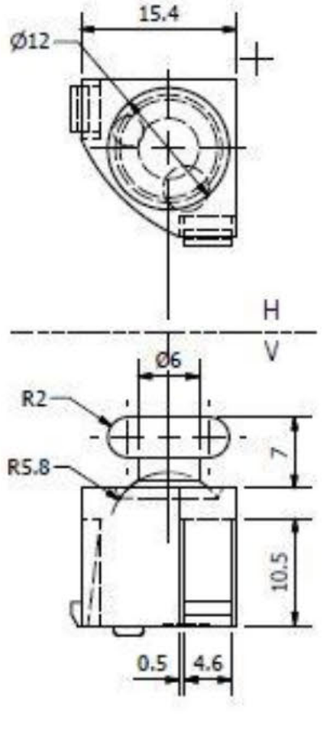
1 FRONT ELEVATION
FOREGRIP

END ELEVATION

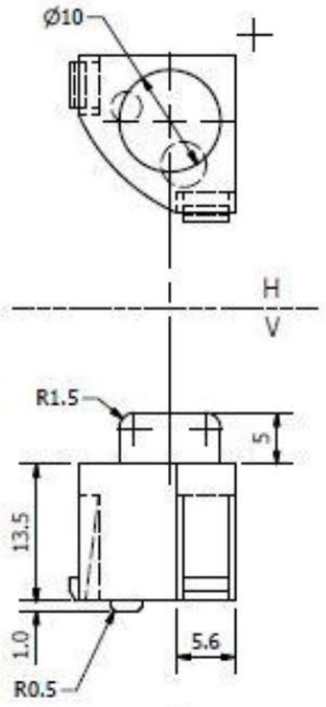
24/10/17	SCALE 1:1	PART DRAWINGS 3		



BLANK CONTROL
SECTION N-N (9)

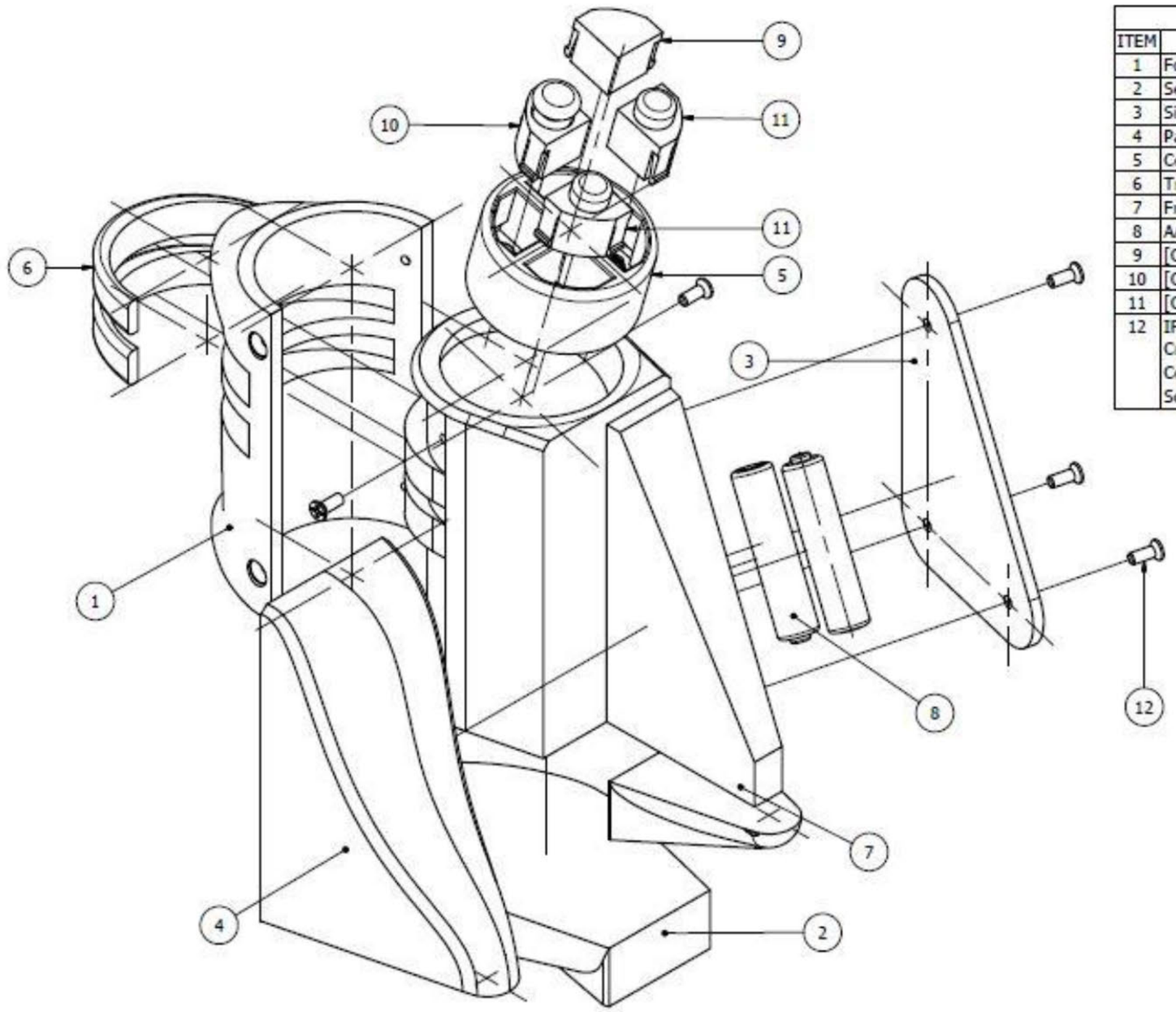


ANALOG STICK (10)



BUTTON (11)

24/10/17	SCALE 2:1	CONTROLS		



PARTS LIST			
ITEM	PART NAME	QTY	MATERIAL
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8	AAA Battery	2	
9	[Control] Blank	2	ABS Plastic
10	[Control] AnalogStick	2	ABS Plastic, Electronics
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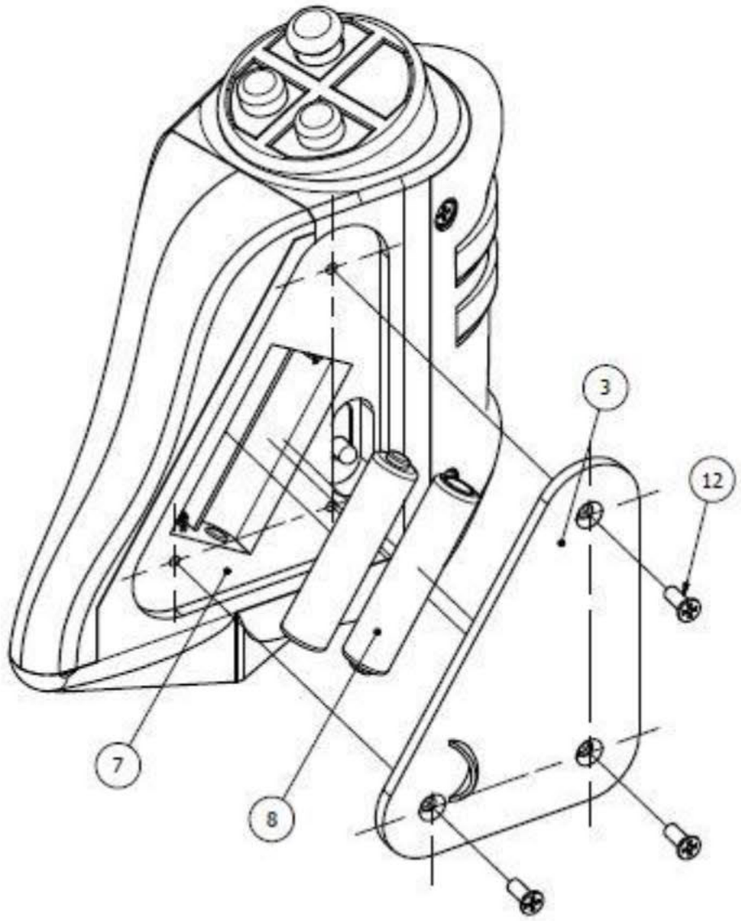
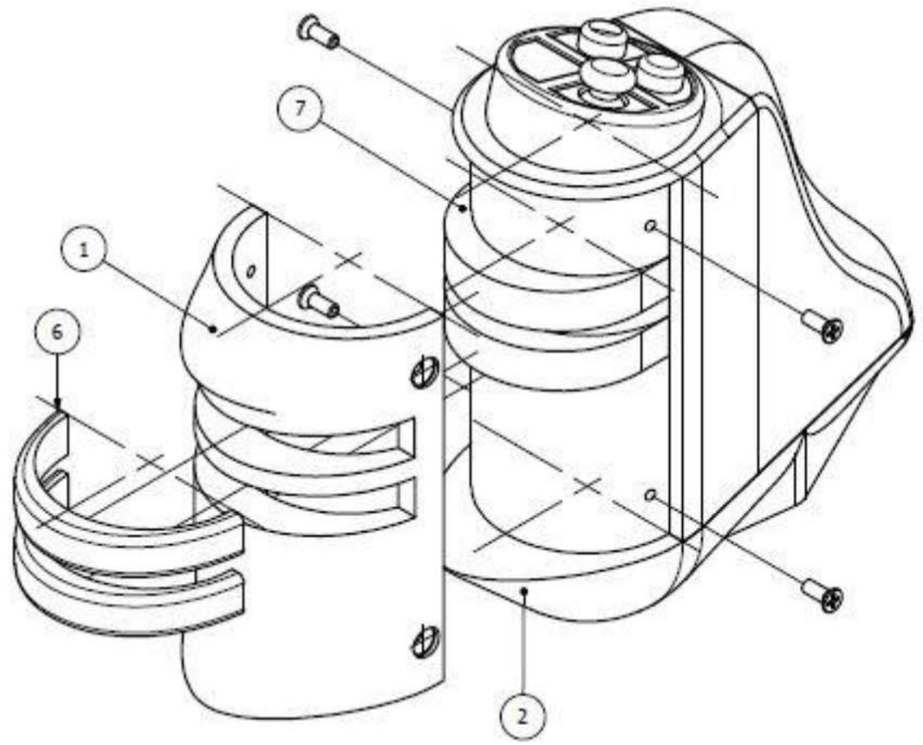
12	IFI 513 - M3x0.5 x 8 Cross Recessed Flat Countersunk Head Machine Screw	7	Steel, Mild

24/10/17	SCALE 1:1	FULL EXPLOSION		



SIDE PANEL EXPLOSION



FRONT GRIP EXPLOSION

26/10/17	SCALE 1:1	EXPLOSIONS 2		

AS 91631 (3.34): Produce working drawings to communicate production details for a complex design (6 credits)

Achievement	Achievement with Merit	Achievement with Excellence
Produce working drawings to communicate production details for a complex design.	Produce working drawings to clearly communicate production details for a complex design.	Produce working drawings to effectively communicate production details for a complex design.
• Produce a **set of related instrumental** working drawings showing **exterior and interior detail** of components **related** to the construction and assembly of a **complex** design. • Demonstrate an ability to use **drawing conventions and presentation techniques** to communicate details of a complex design.	• Produce a **precise** set of related instrumental working drawings showing exterior and interior detail of components that **explains** the construction and assembly of a complex design. • Demonstrate an ability to **accurately apply** drawing conventions and presentation techniques to **clearly** communicate details of a complex design.	• Produce a precise and **cohesive** set of related instrumental working drawings through the **appropriate selection of views and modes** that **enable** the construction and/or assembly of a complex design. • Demonstrate an ability to accurately apply drawing conventions and presentation techniques to clearly communicate **production** details of a complex design.

This submission shows plans for a hand controller and has been produced using CAD.

This includes (meeting grade given):

- illustrative assembled and exploded pictorial drawings to help visualise the design
- CAD drawings of the assembled controller and many of the components showing precision and accuracy
- exploded views showing assembly details and parts/materials lists
- extensive dimensioning
- well selected and informative sectional views and detailing i.e. enlarged and true shape auxiliary views were used to help explain features
- correct use of drawing conventions such as recognised scales, symbols and labelling