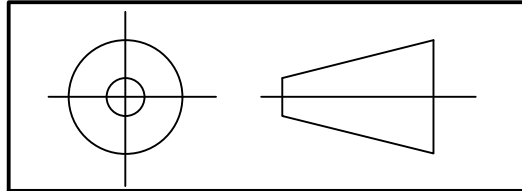


PARTS LIST			
PART NUMB	QTY	PART NAME	MATERIAL
1	1	Fuselage Base	Wood (Lite Ply)
2	2	Fuselage Side	Wood (Lite Ply)
3	1	Nose Assembly	Wood (Lite Ply)
4	1	Fuselage Top	Wood (Lite Ply)
5	1	Fuselage Rear	Wood (Lite Ply)
6	1	Nose Foam	Polystyrene
7	1	Nose Support	Wood (Lite Ply)
8	1	Tailboom	Carbon Fibre
9	1	Tailboom Connection - Fuselage End	Wood (Lite Ply)
10	1	Tailplane Servo Mount	Wood (Lite Ply)
11	1	Tailboom Connection - Tailplane End	Wood (Balsa)
12	1	Tailplane	Wood (Balsa)
13	1	Elevator	Wood (Balsa)
14	1	Fin & Rudder Assembly	Wood (Balsa)
15	1	Motor Mount	Wood (Birch)
16	1	Rear Undercarriage Assembly	N/A
17	1	front Undercarriage Assembly	N/A
18	1	Wing Assembly	N/A
19	1	Fuselage Support	Wood (Lite Ply)
20	2	Wing Support	Wood (Balsa)
21	1	Motor	N/A
22	1	APC 12x6	Plastic
23	1	Propeller Nose	Stainless Steel
24	1	Fairing	Wood (Balsa)
25	1	Sensor	Polystyrene Ball (150mm Diameter)
37	1	Fuse	N/A



Title: Full Plane Assembly Exploded View

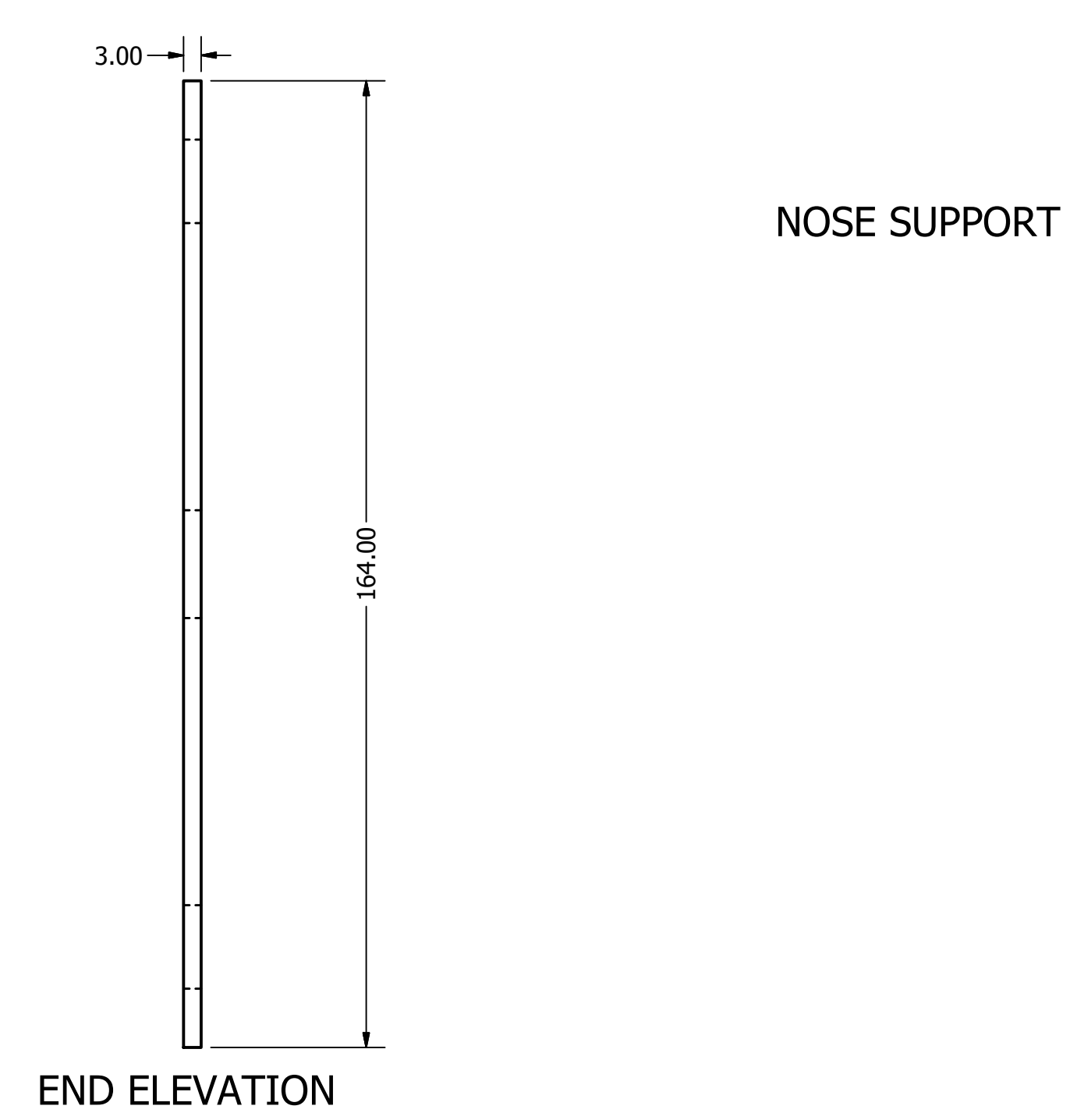
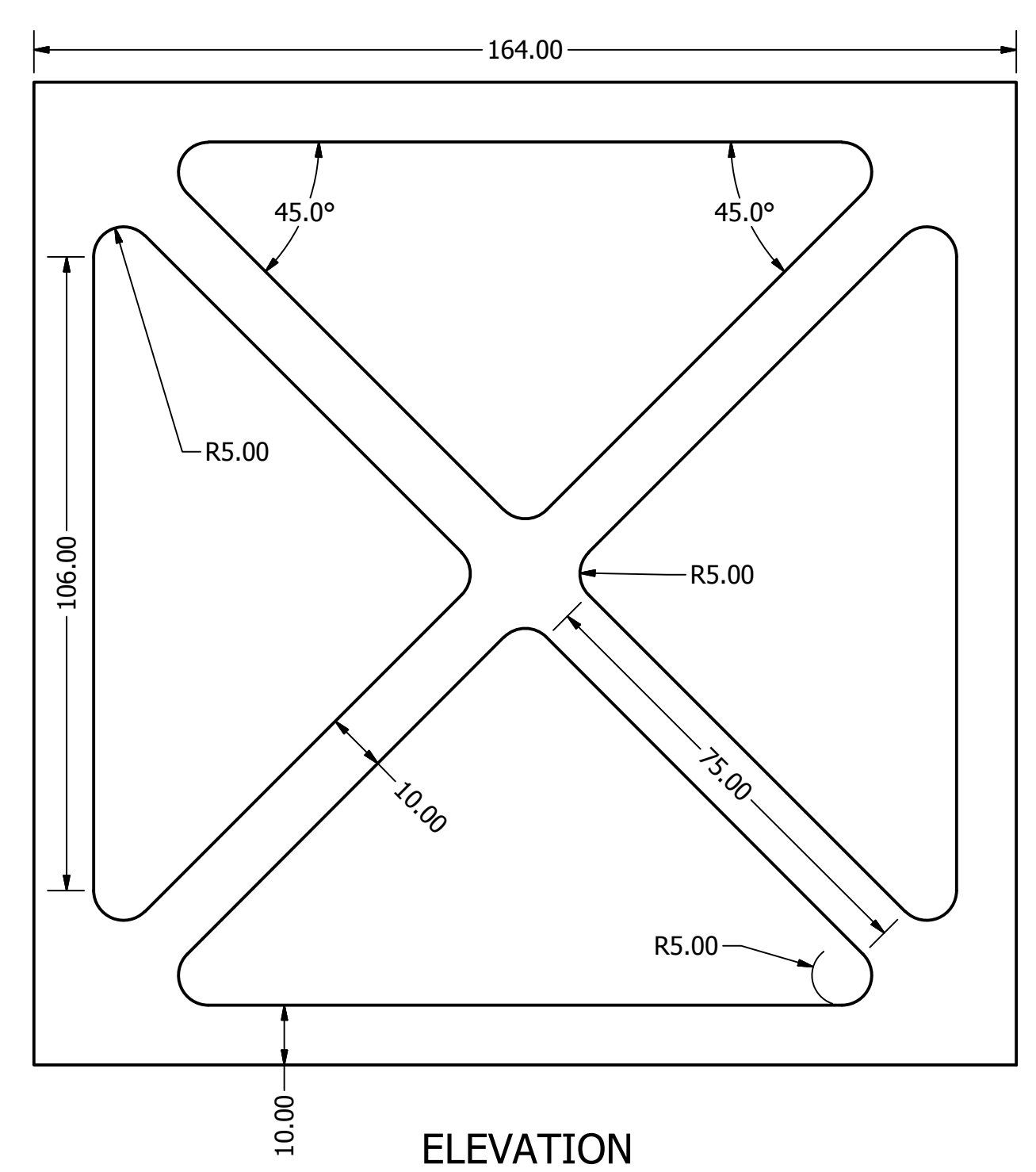
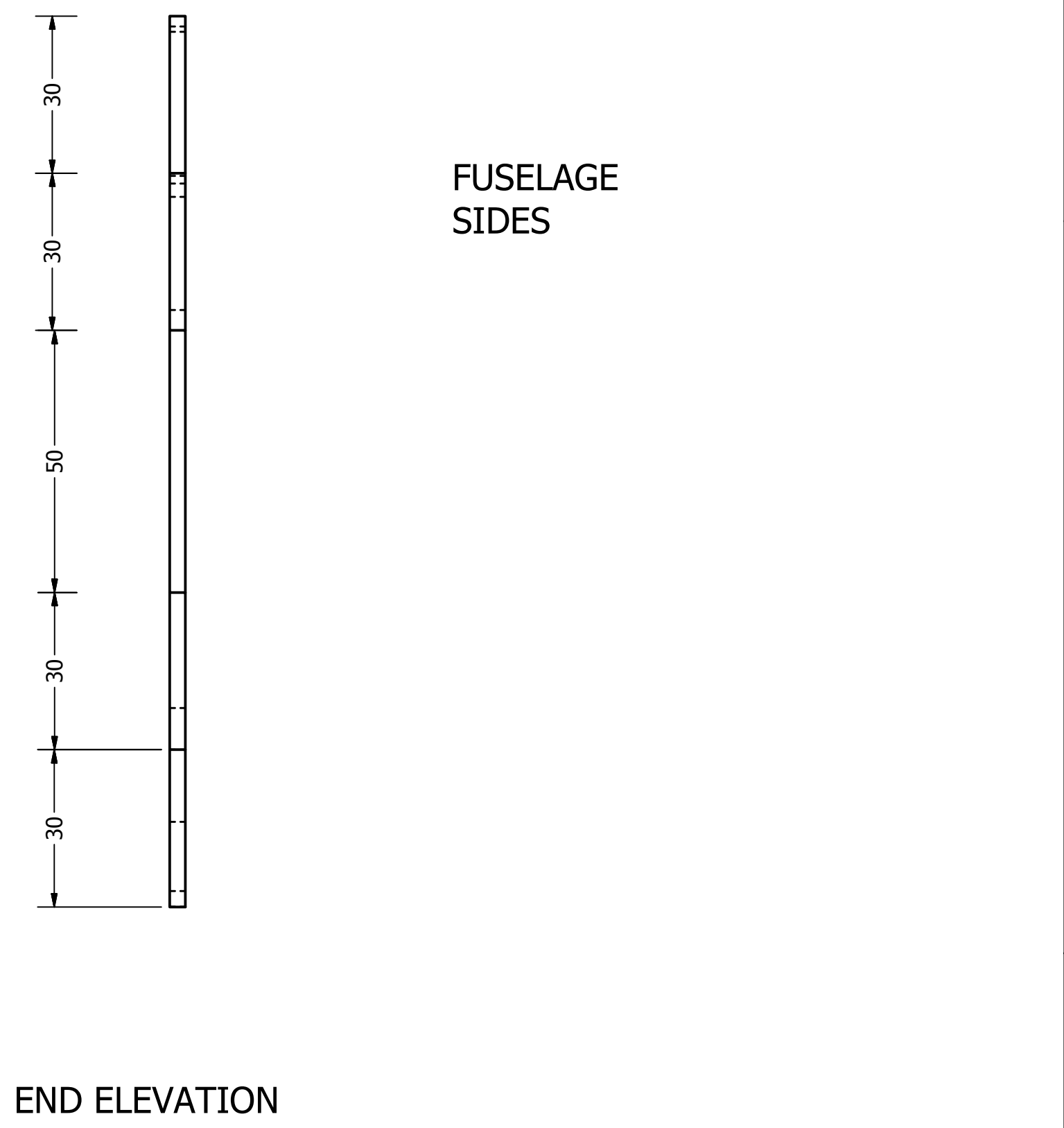
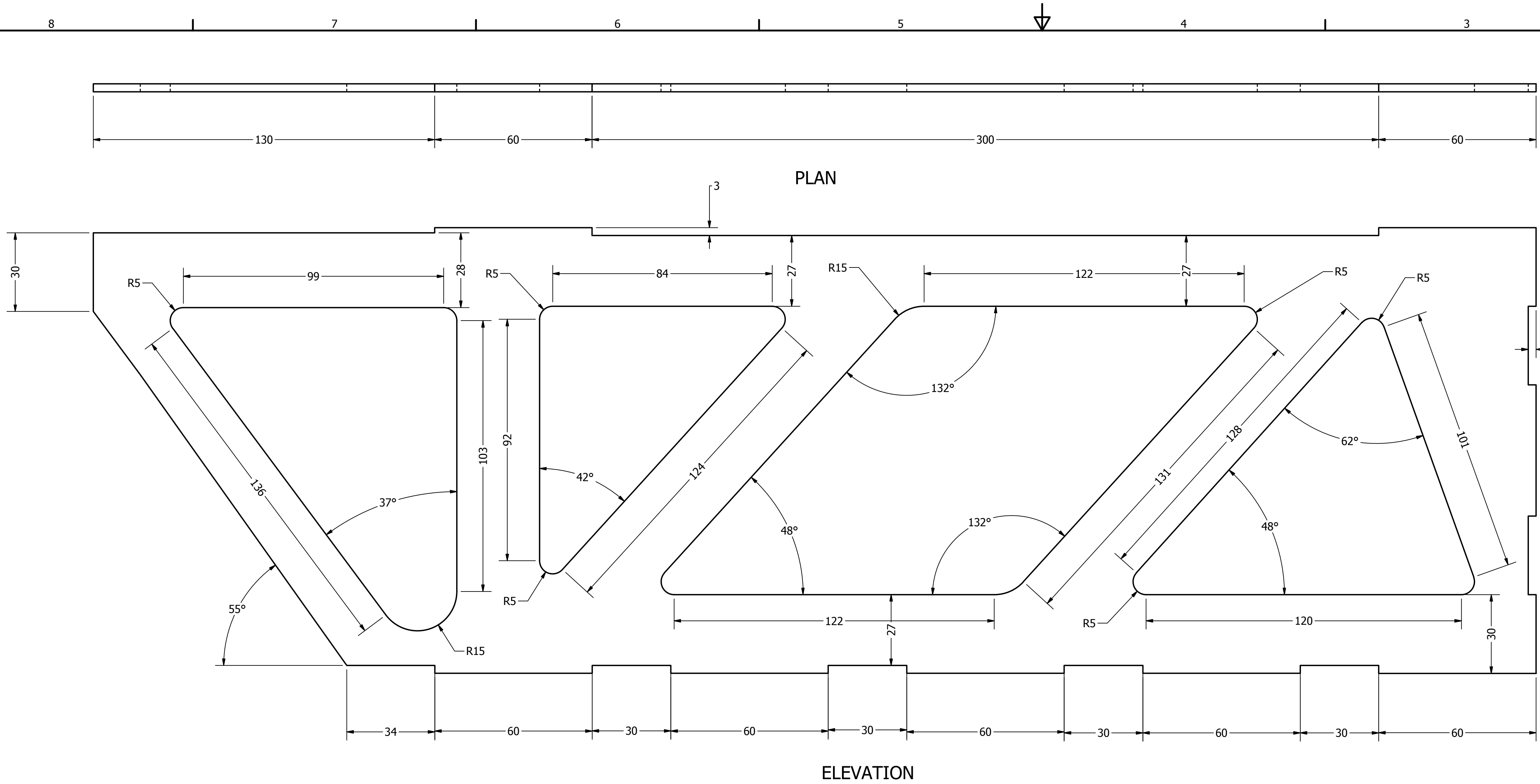
Units: mm

Date: 21/04/2016

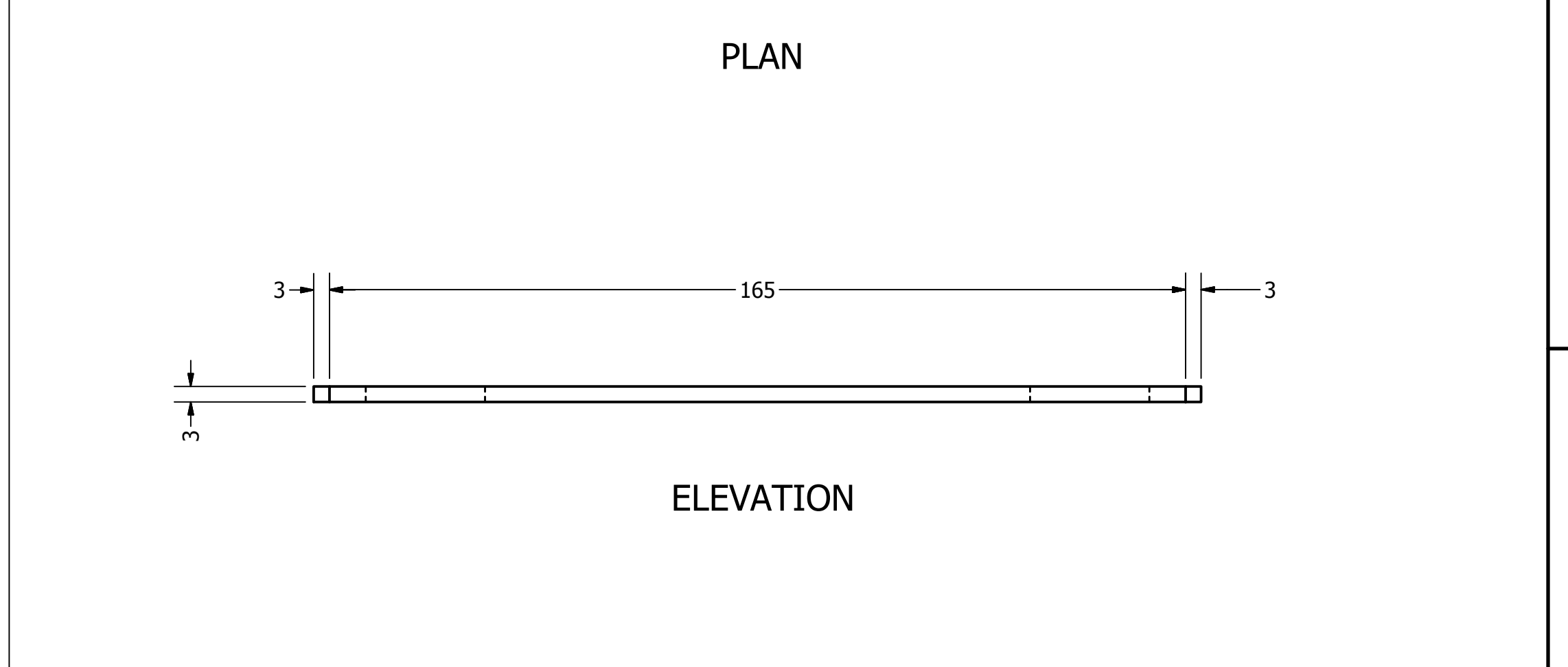
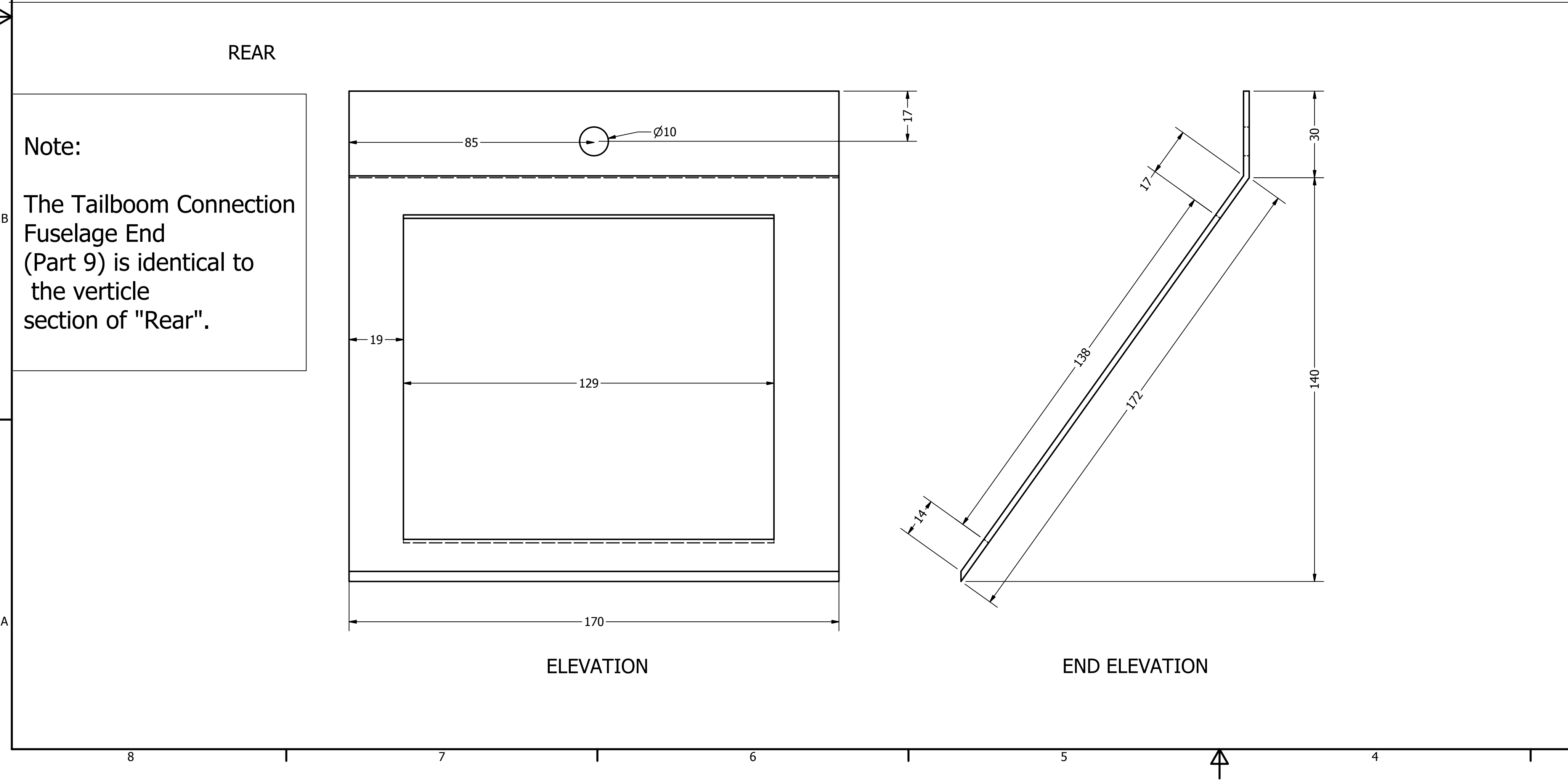
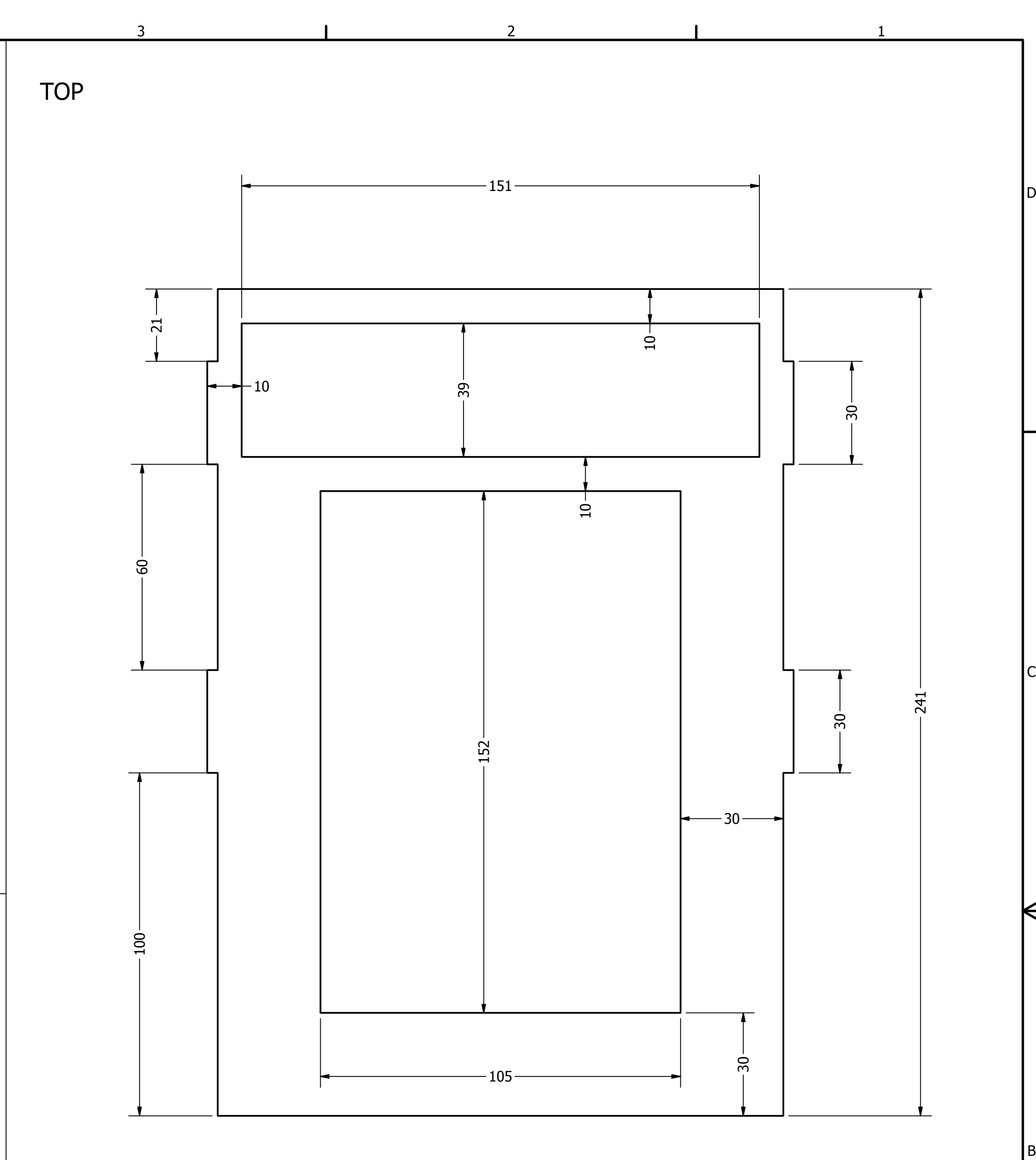
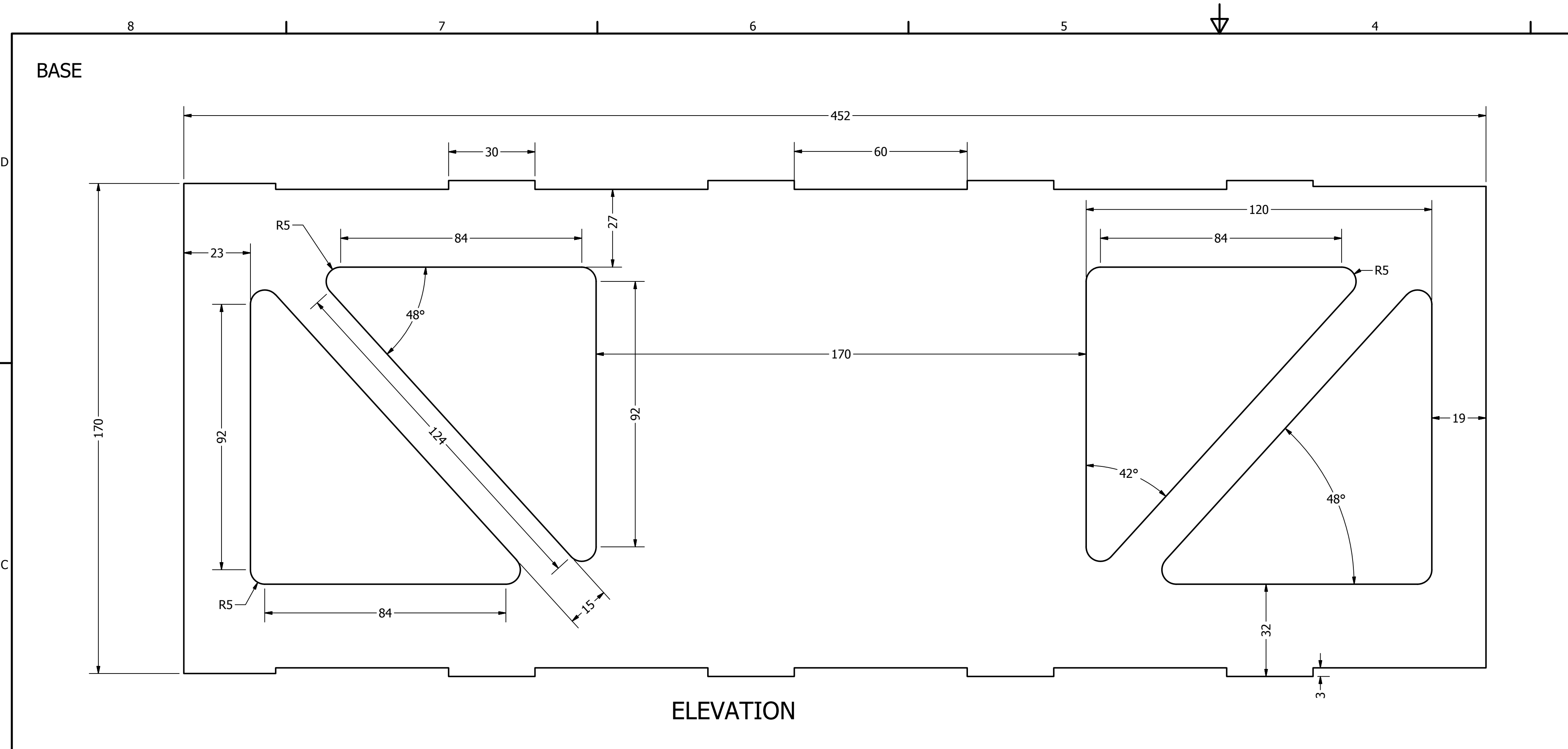
Scale: N/A

Team: Group E

Glueing Notes:  
 Fuselage sections to be secured to shape using Epoxy Resin



	Title: Fuselage sides and Nose support		
	Units: mm	Date: 21/04/2016	Scale: 1:1 On Sheet Size D
	Team: Group E		



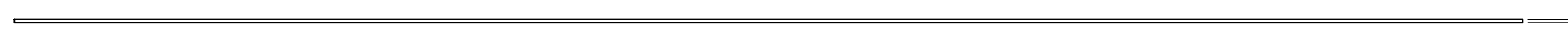
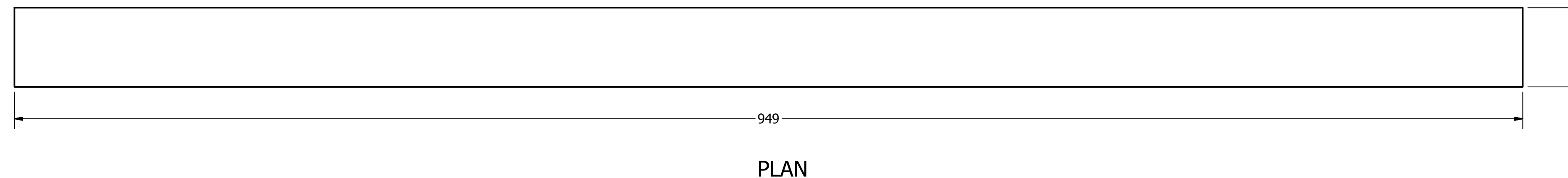
**Note:**  
The Tailboom Connection Fuselage End (Part 9) is identical to the verticle section of "Rear".

	Title: Fuselage Parts		
	Units: mm	Date: 19/04/2016	Scale: 1:1 On Sheet size D
			Team: Group E

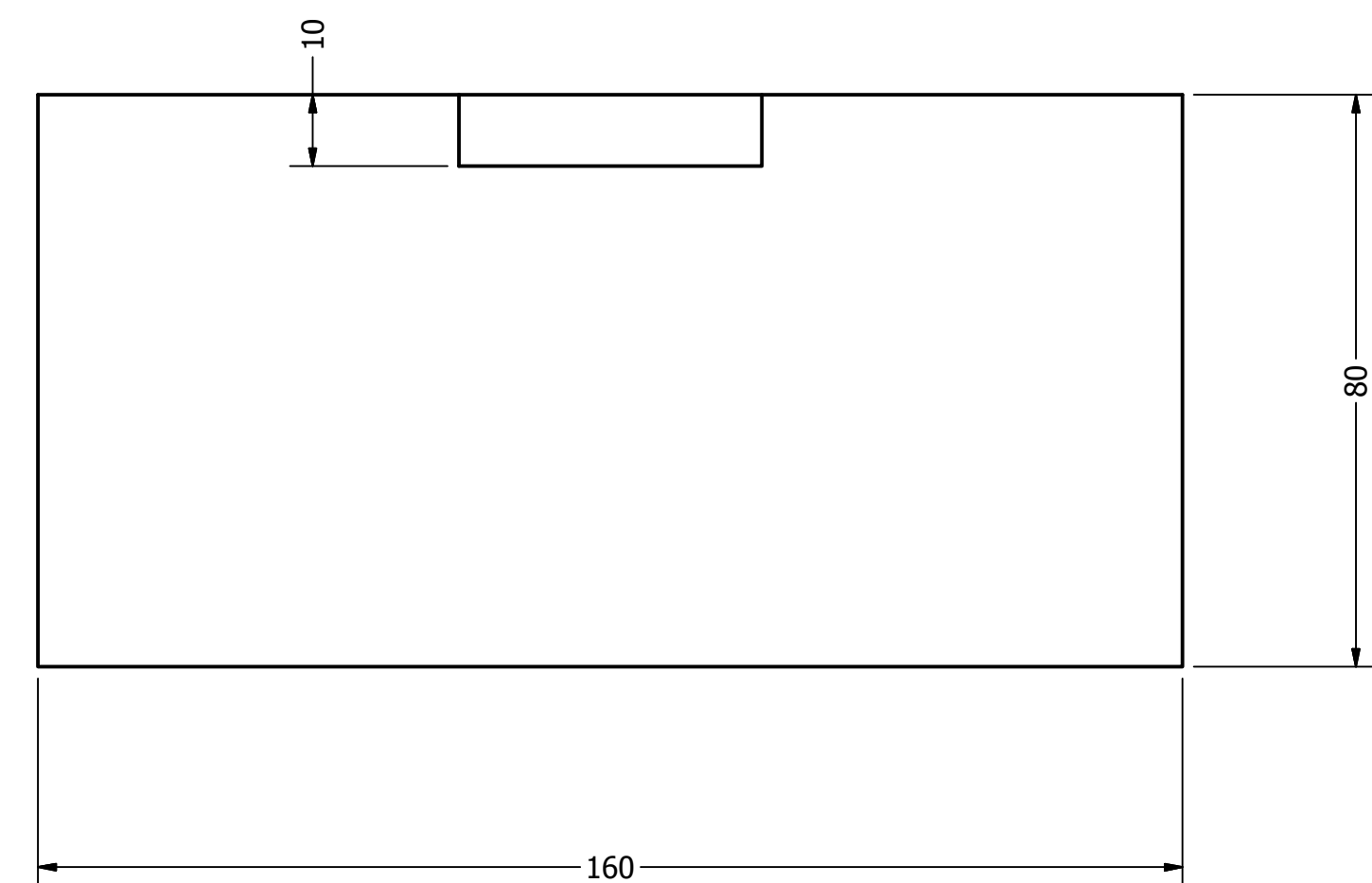
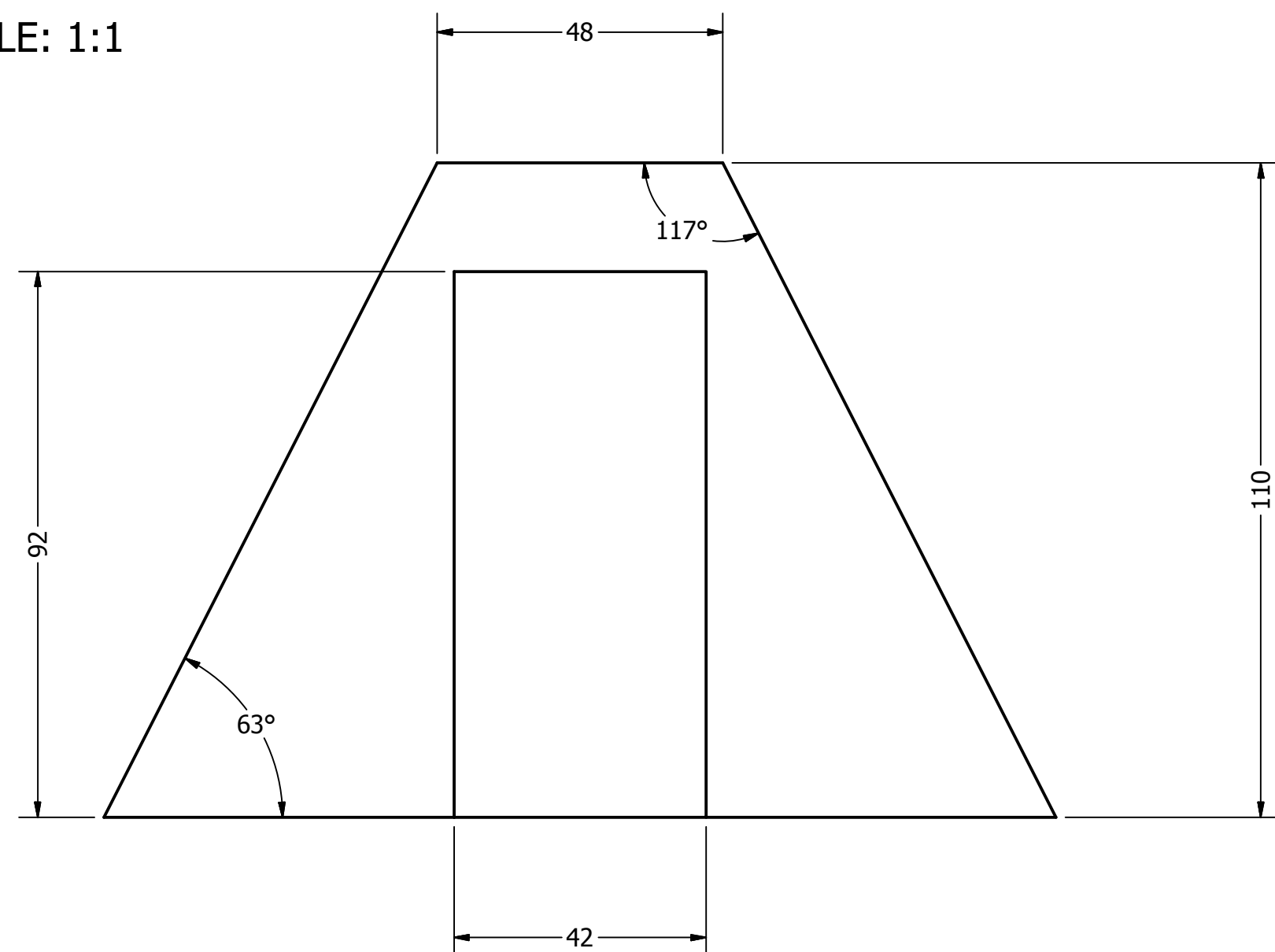
LEADING EDGE - SCALE: 1:2

Glueing Note:

Leading edge and rib spacers  
to be attached to wing with zap-a  
-gap quick setting glue



NOSE FOAM - SCALE: 1:1



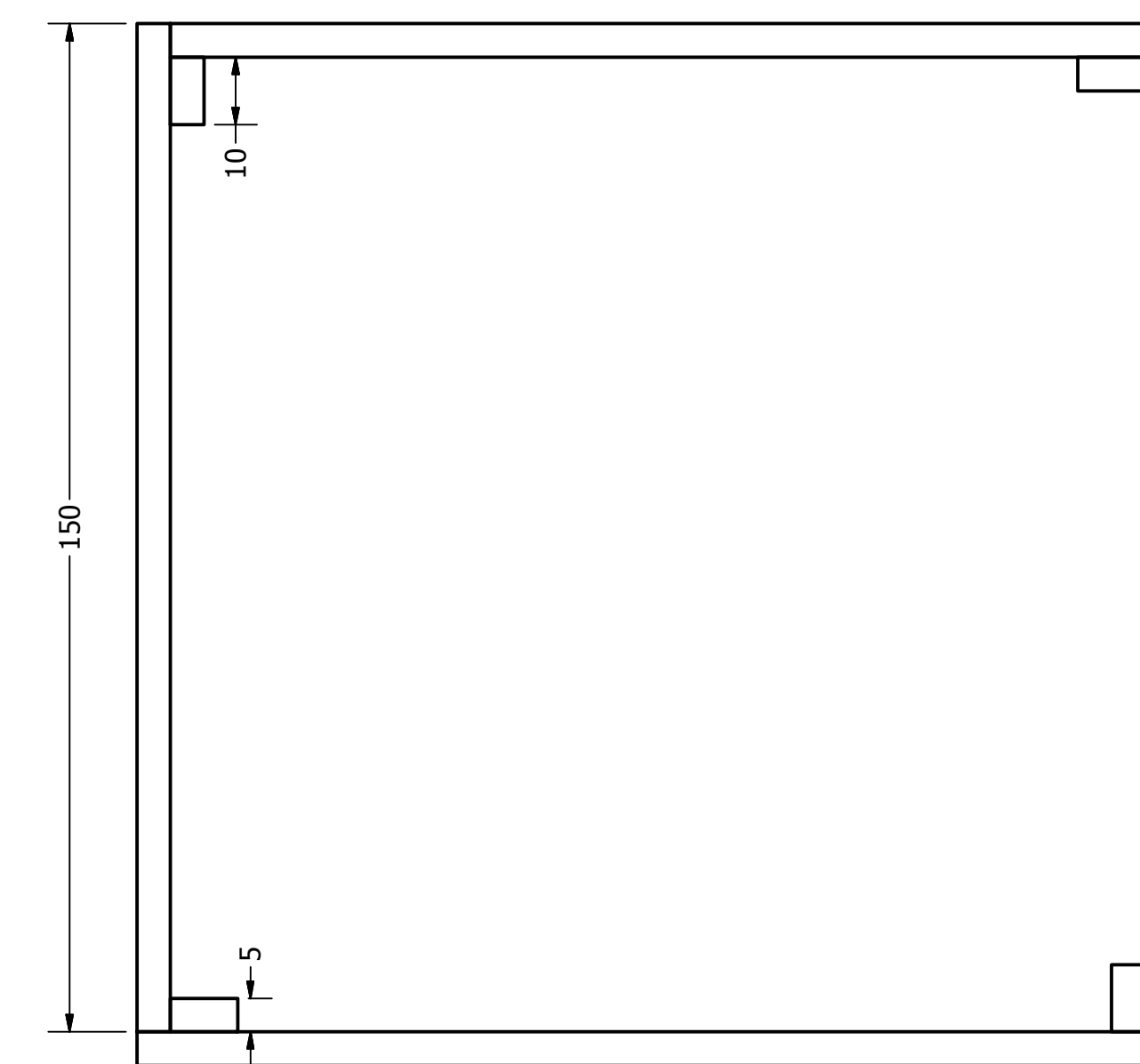
Note:

Nose Foam should fit securely within  
nose space

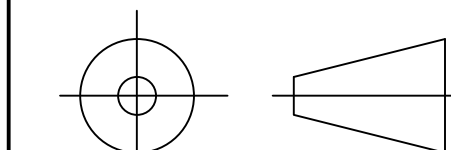
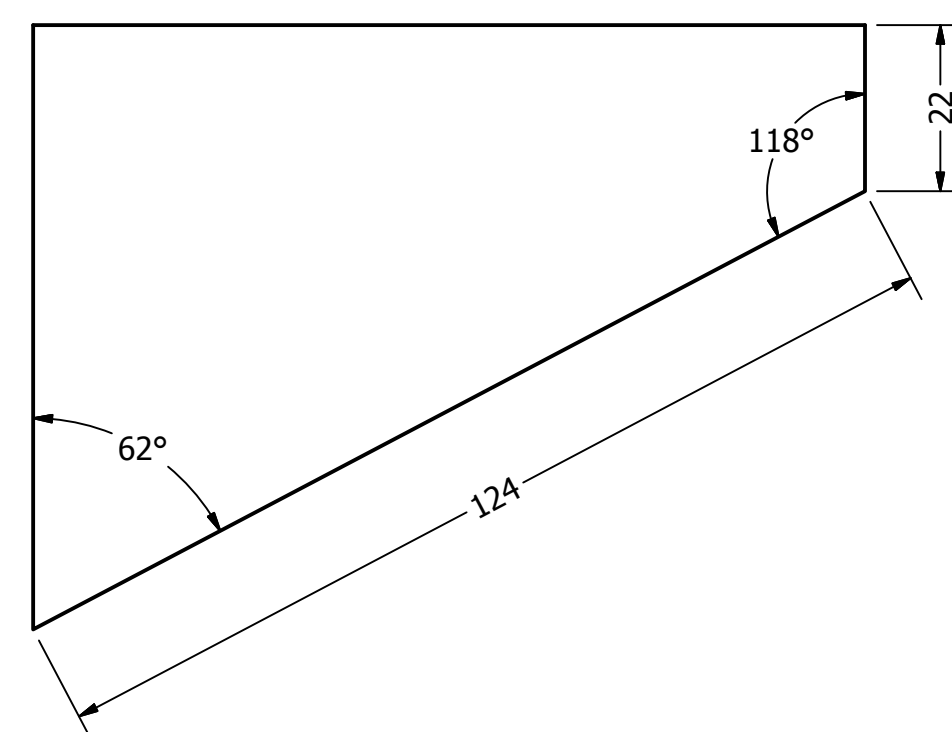
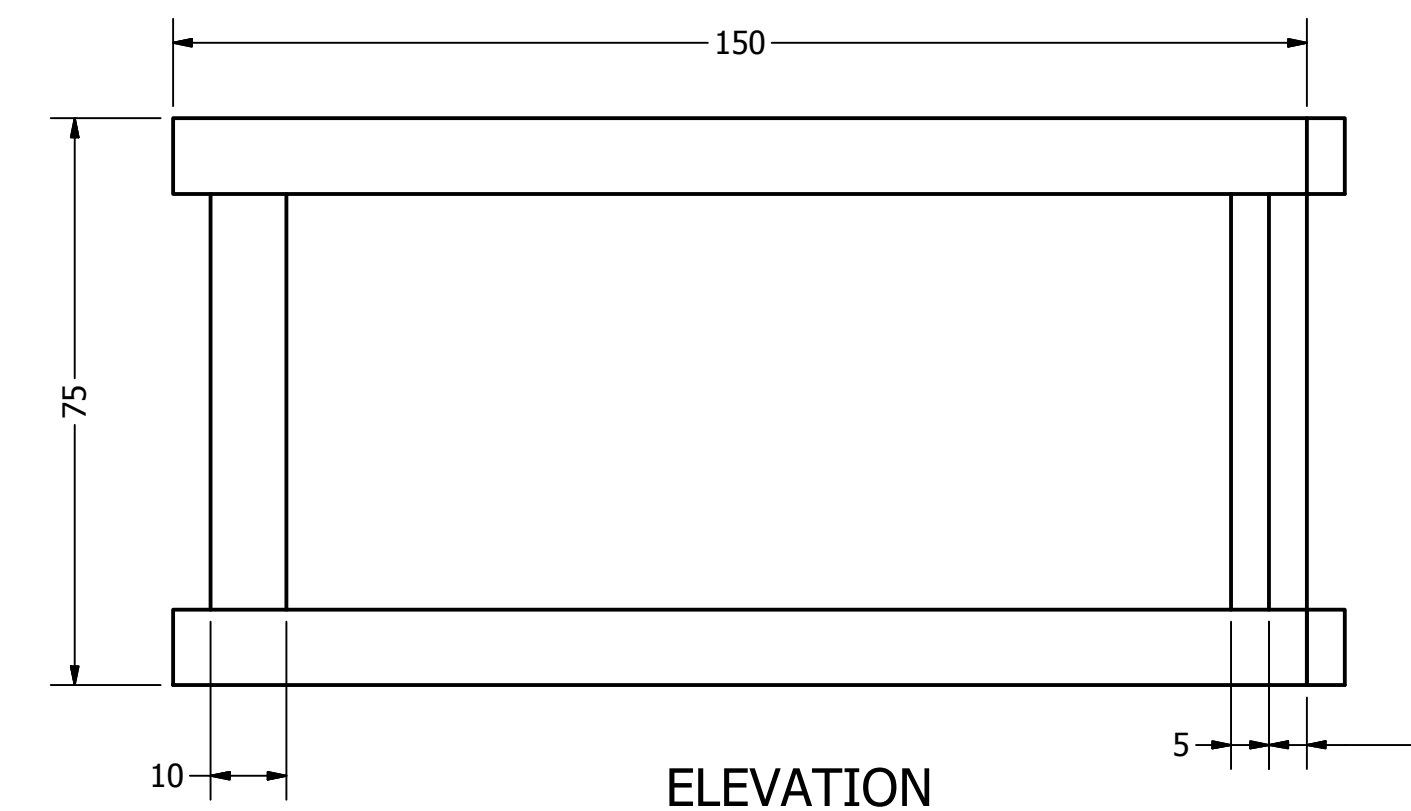
Velcro should be secured to the  
top of the foam for electrical  
components to be secured  
within the aircraft

Glueing Note:

Fairing to be assem  
bled together with zap-a  
-gap quick setting glue



SENSOR FAIRING - SCALE: 1:1



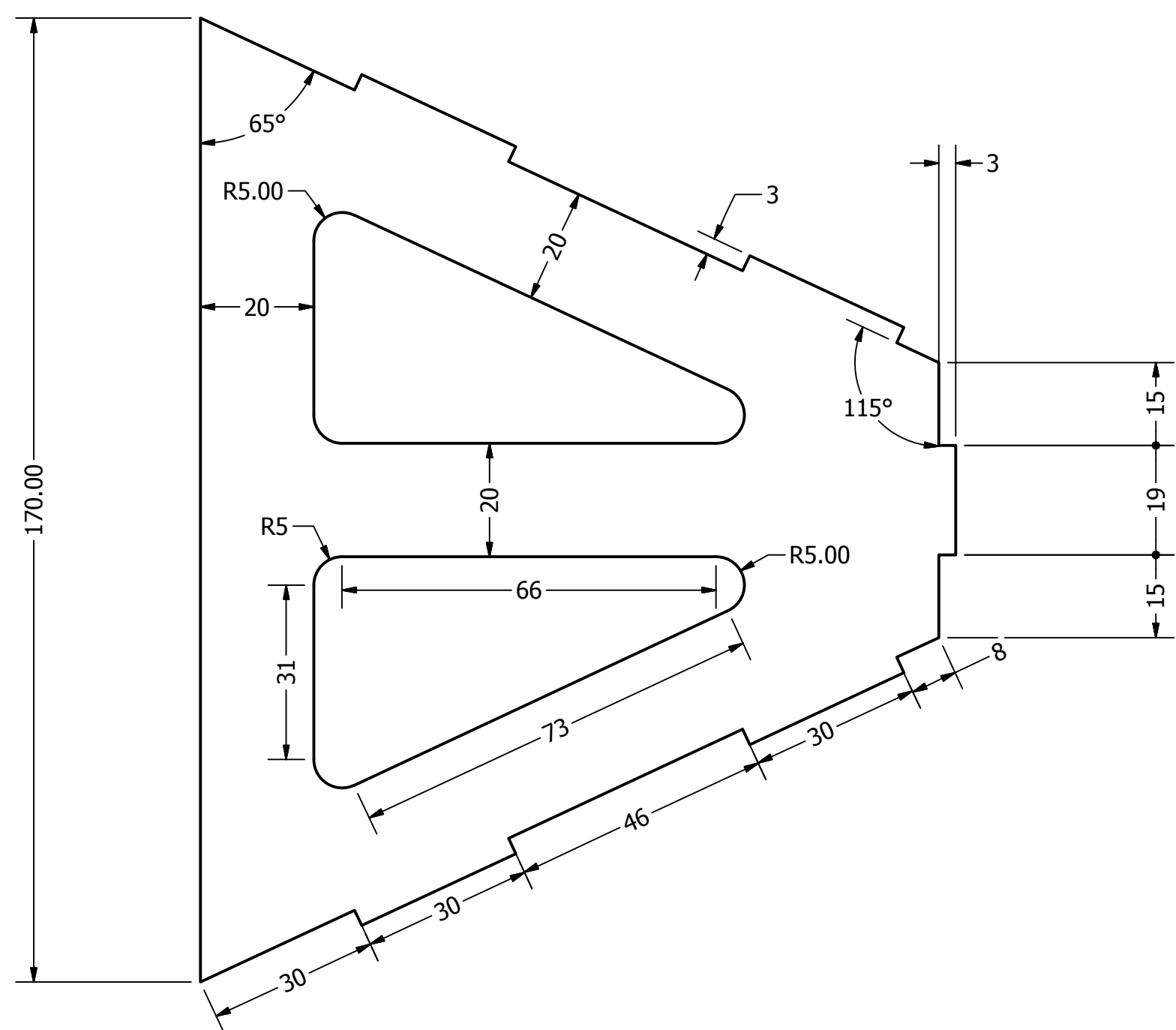
Units: mm

Title: Leading Edge, Nose Foam and Sensor Fairing

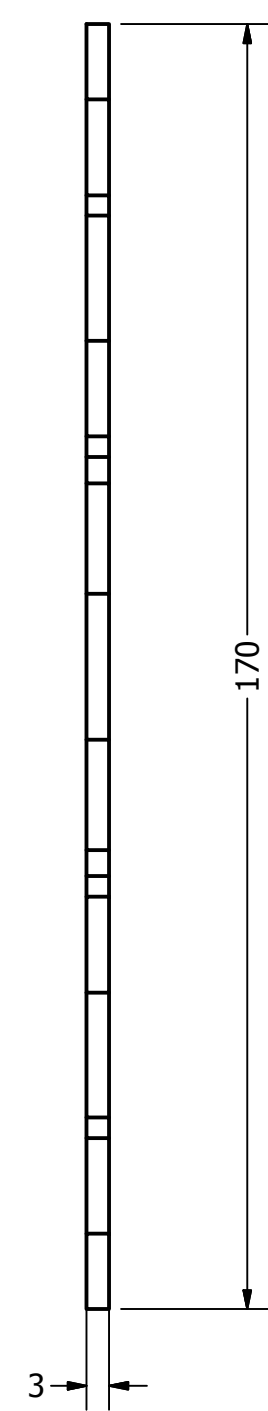
Date: 20/04/2016

Scale: See Script  
On Sheet Size D

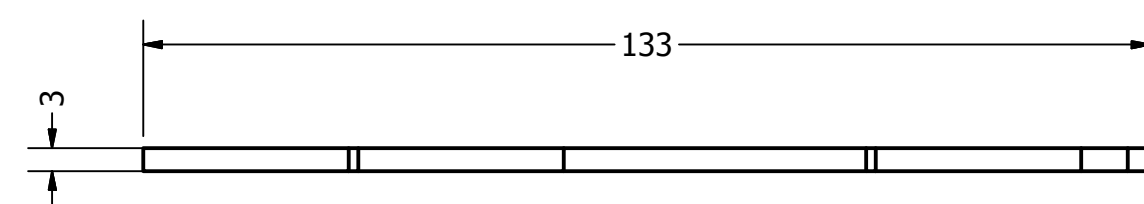
Team: Group E



ELEVATION

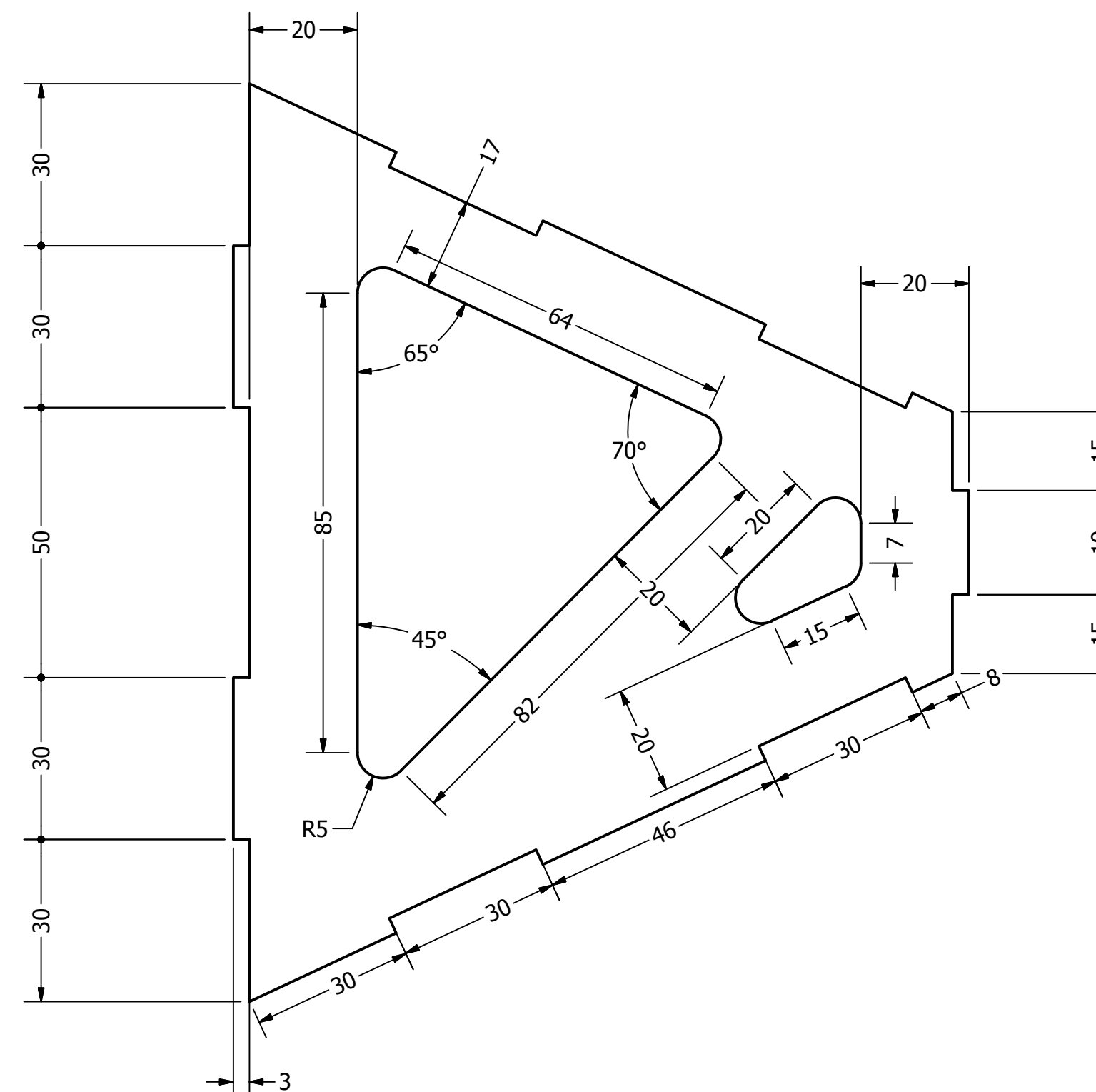


END ELEVATION

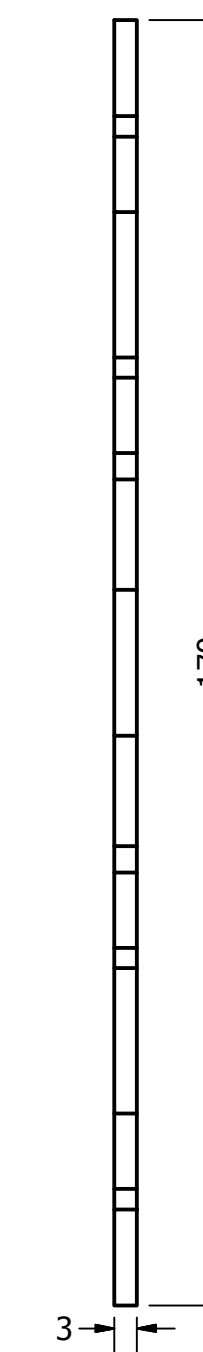


PLAN

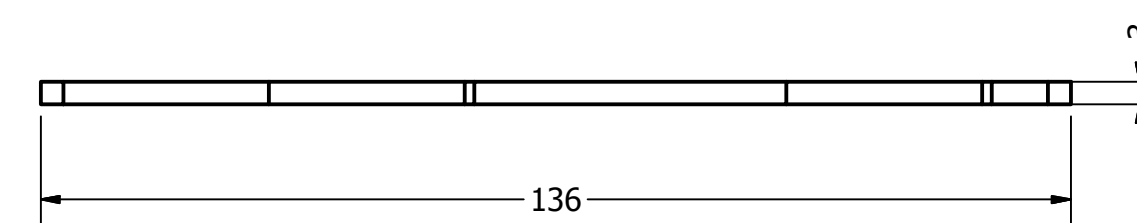
NOSE TOP AND BOTTOM



ELEVATION



END ELEVATION

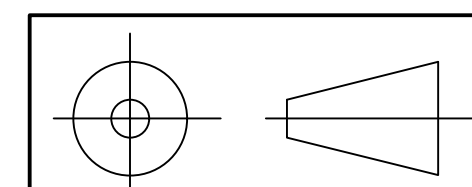


PLAN

NOSE SIDES

Glueing Note:

Nose panels to be secured together and to the fuselage using Epoxy Resin



Title: Nose Panels

Units: mm

Date: 19/04/2016

Scale: 1:1 on Size D

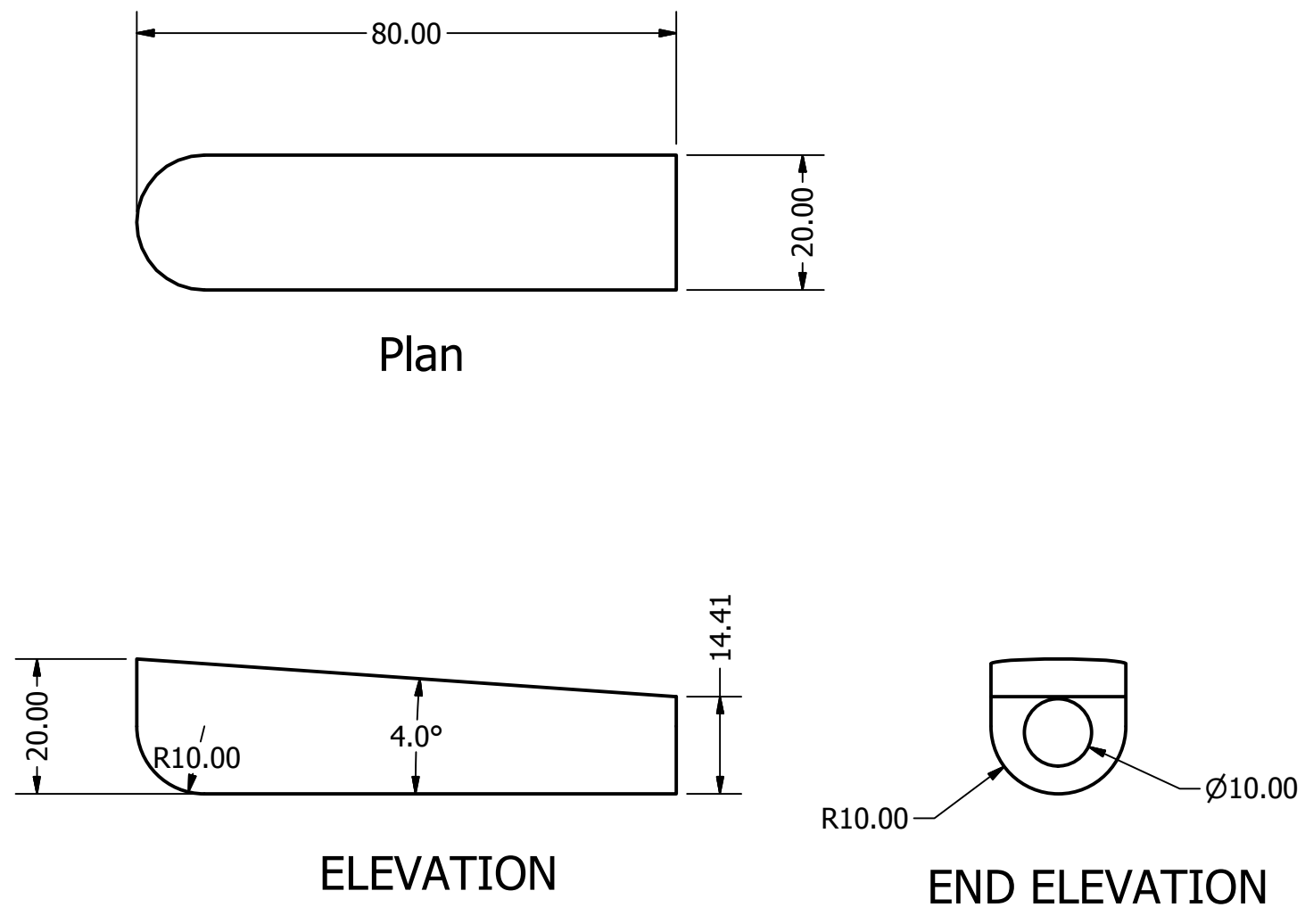
Team: Group E

**Note:**

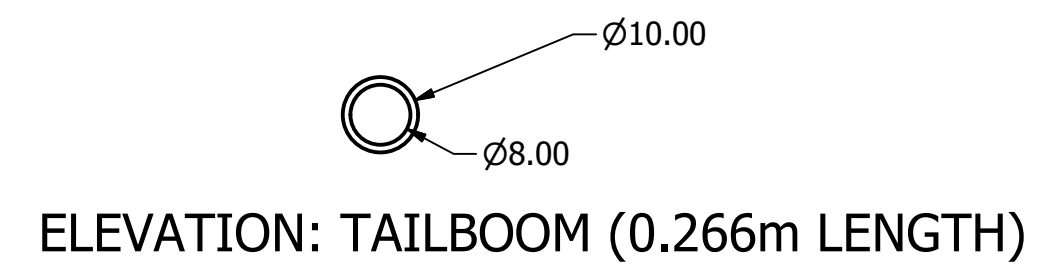
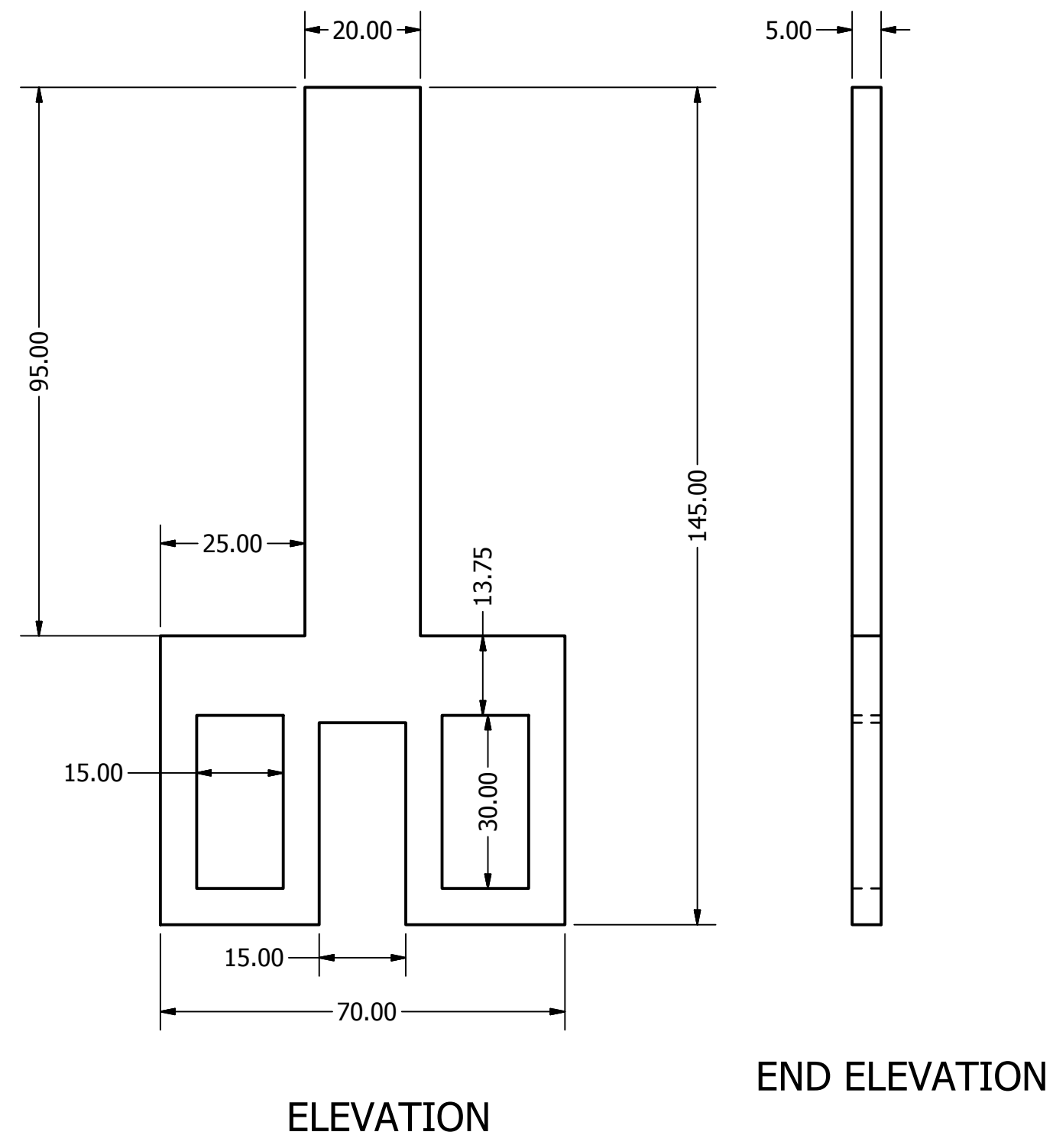
The tailboom mount and servo holder are connected using epoxy resin.

The tailboom is secured into the mount using epoxy resin

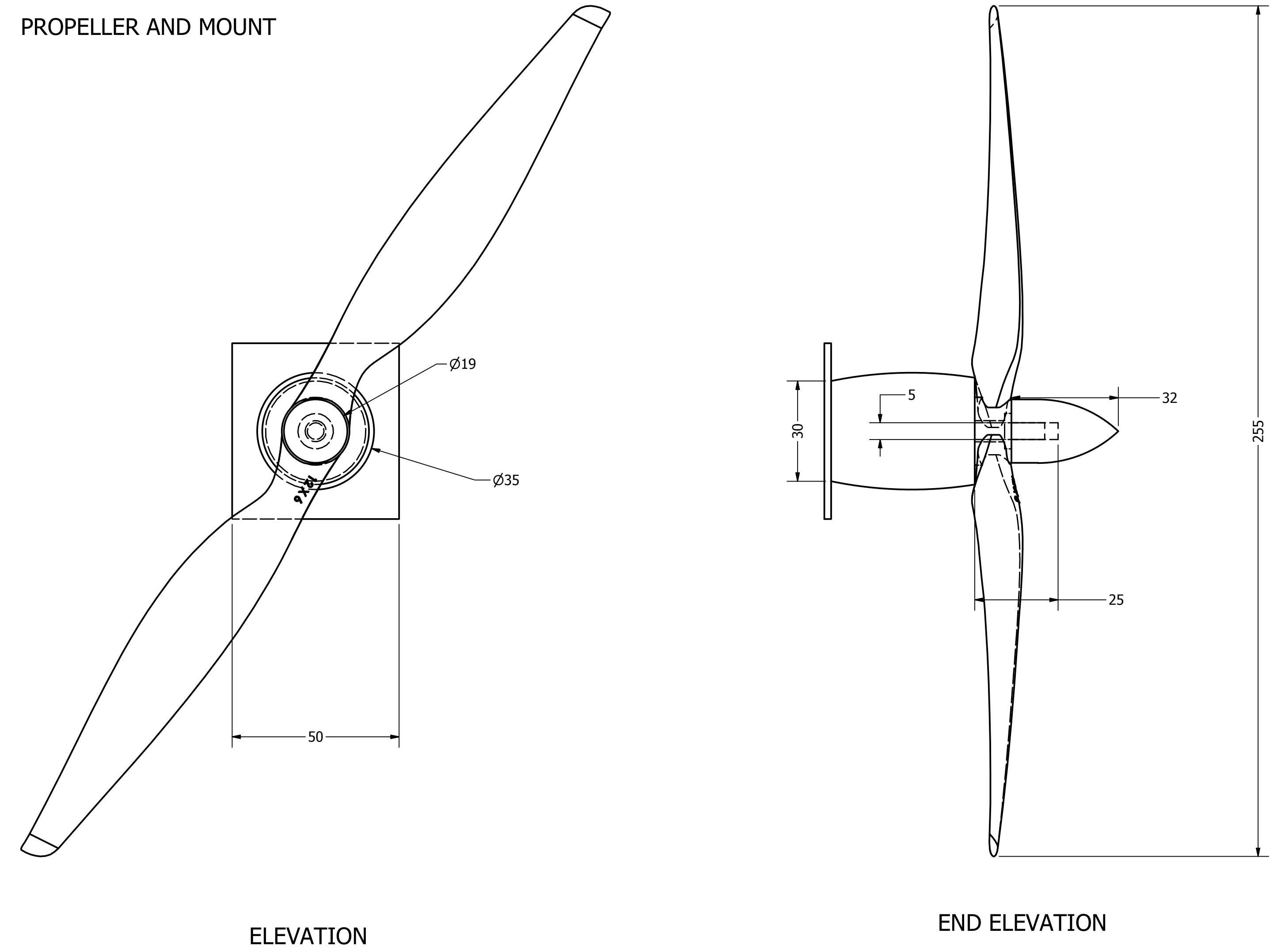
**TAILBOOM MOUNT**



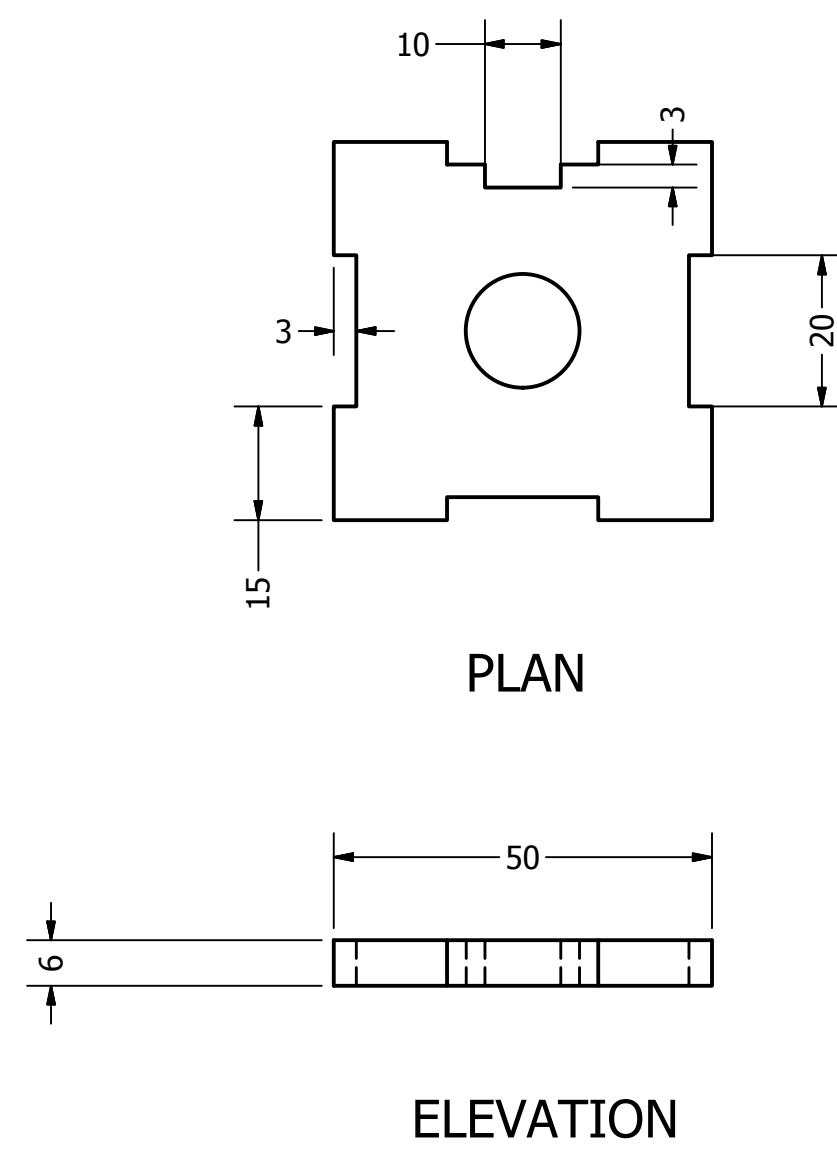
**Servo Mount**



**PROPELLER AND MOUNT**



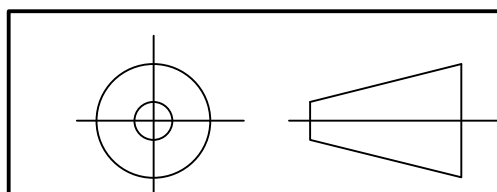
**MOTOR MOUNT**



**Note:**

The motor is to be attached to the motor mount using four sets of M4 nuts and bolts

The mount is to be secured to the front of the nose using Epoxy Resin



Units: mm

Title: Propeller and Motor. Motor, Tailboom and Servo Mount

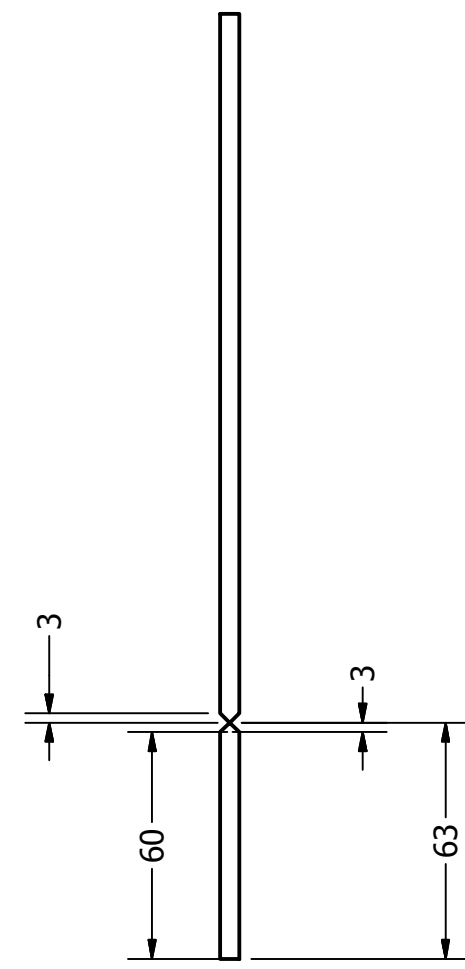
Date: 19/04/2016

Scale: 1:1  
On Sheet size D

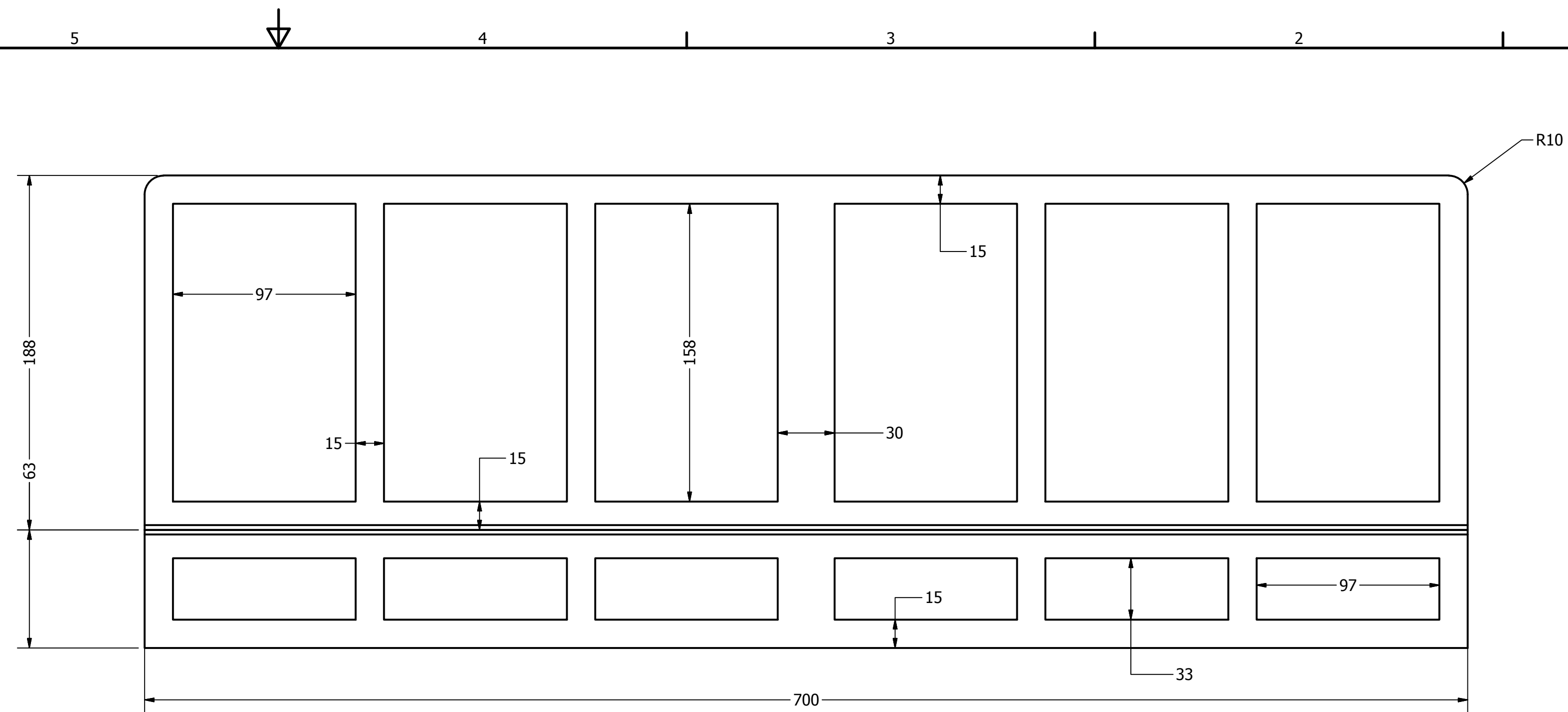
Team: Group E

SCALE: 1:2

TAILPLANE AND ELEVATOR

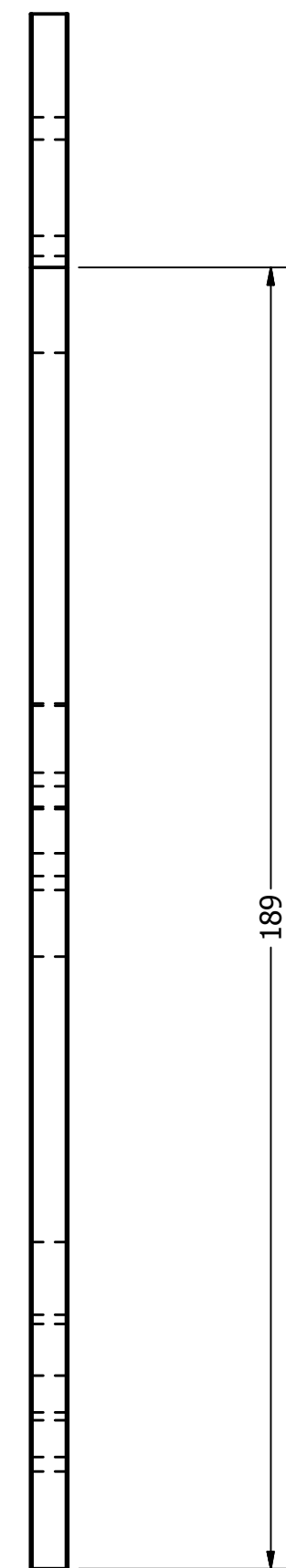


END ELEVATION

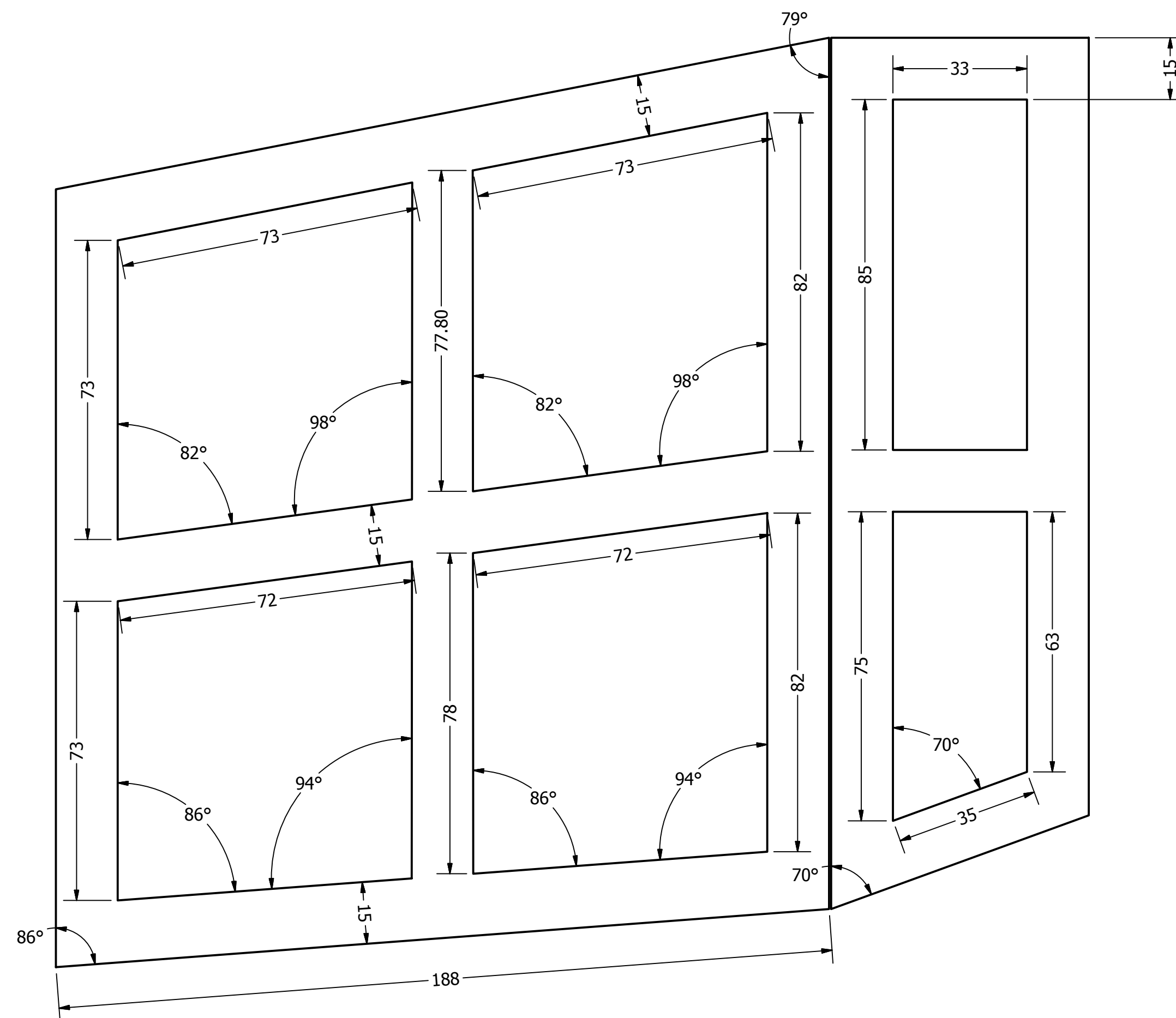


ELEVATION

SCALE: 1:1



END ELEVATION

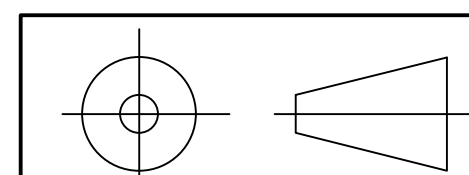


ELEVATION

Glueing Note:

All components are secured together using Epoxy Resin

RUDDER AND FIN



Title: Tailplane & Elevator and Fin & Rudder

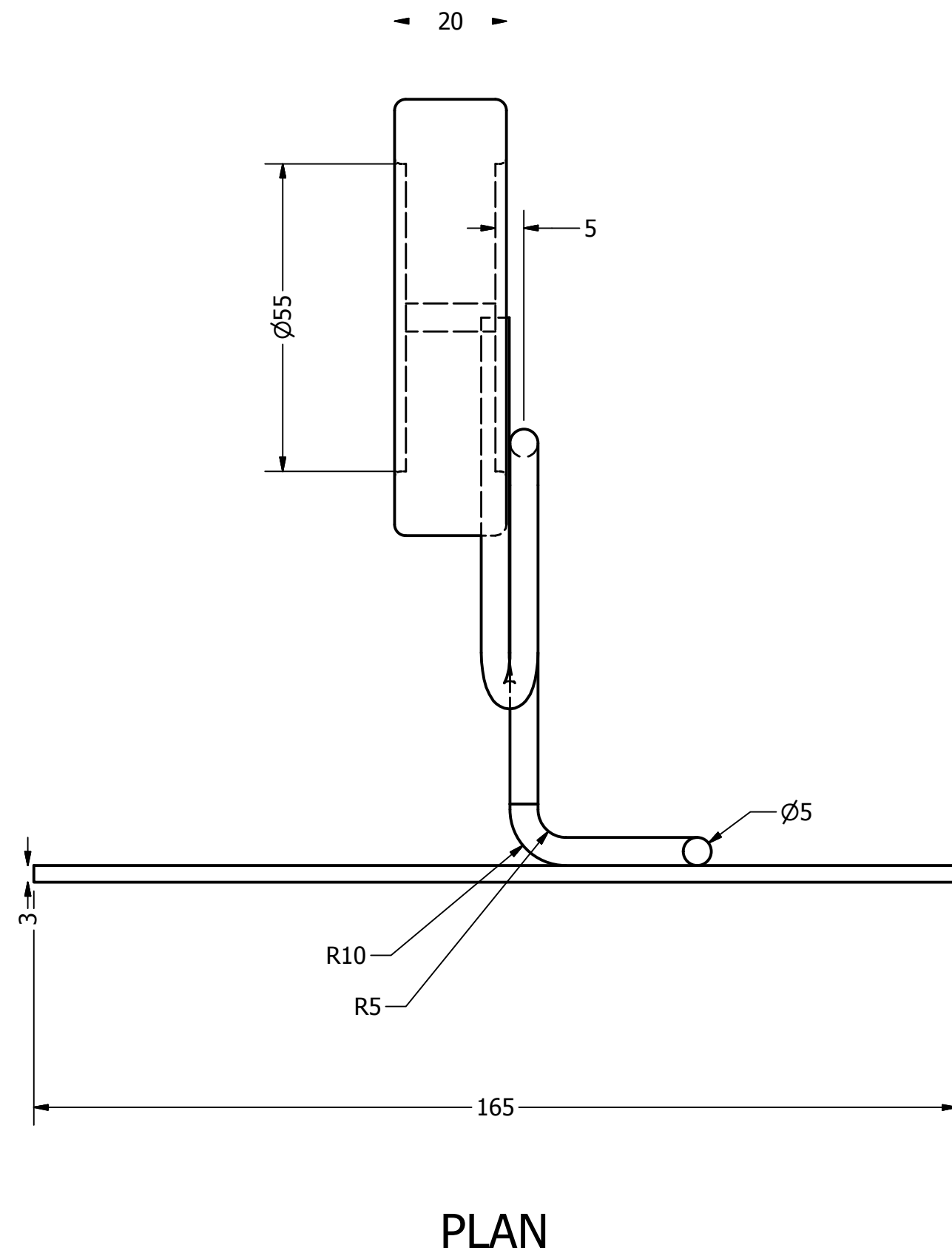
Units: mm

Date: 19/04/2016

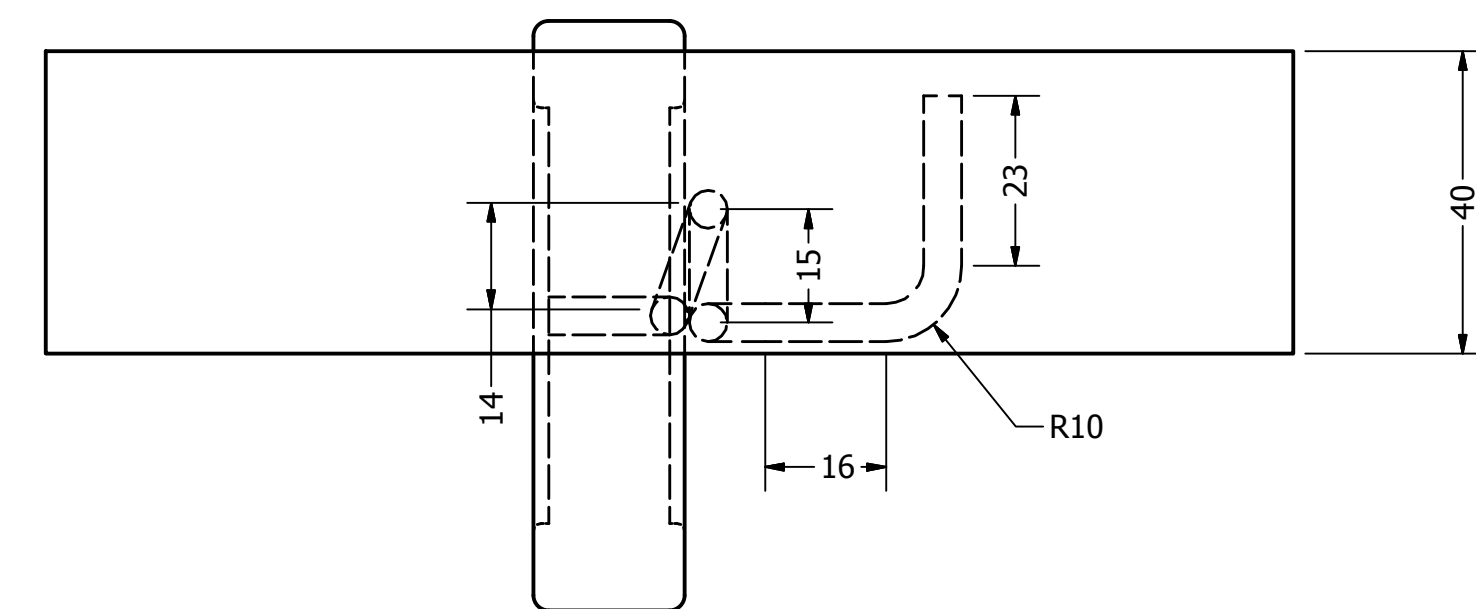
Scale: See Script On sheet size D

Team: Group E

**FRONT UNDERCARRIAGE**  
1:1 On Sheet Size D

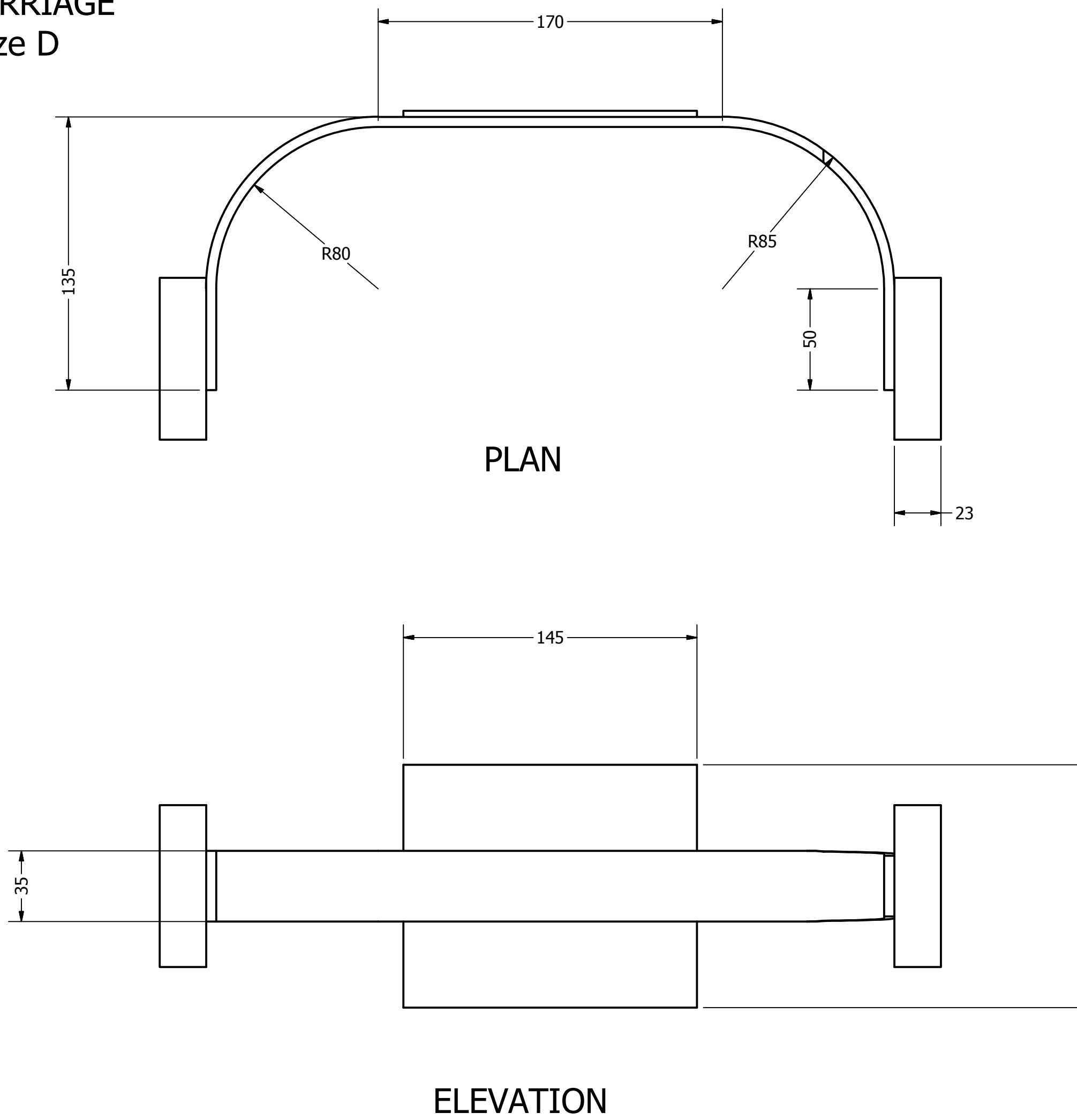


PLAN

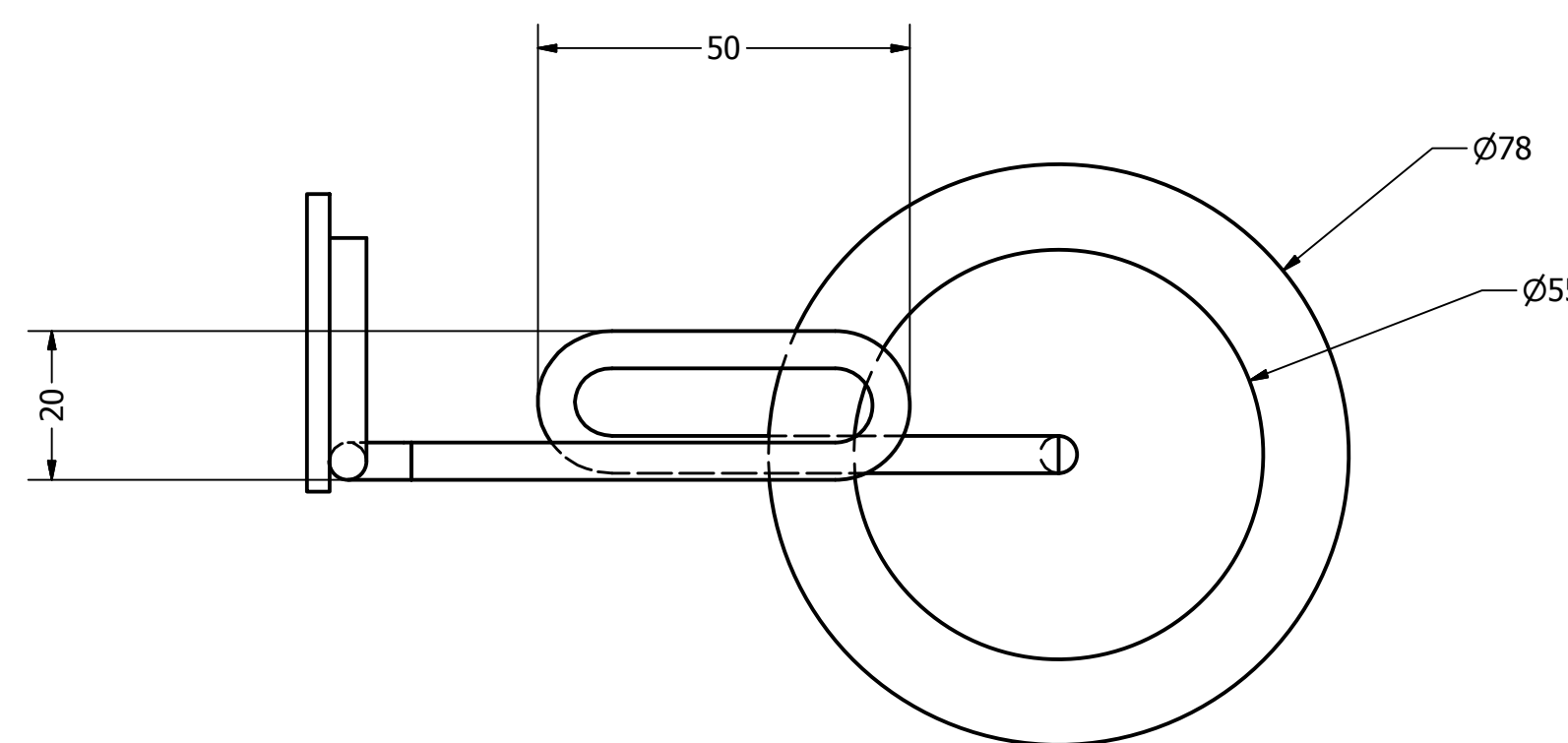


ELEVATION

**REAR UNDERCARRIAGE**  
1:2 On Sheet Size D



ELEVATION



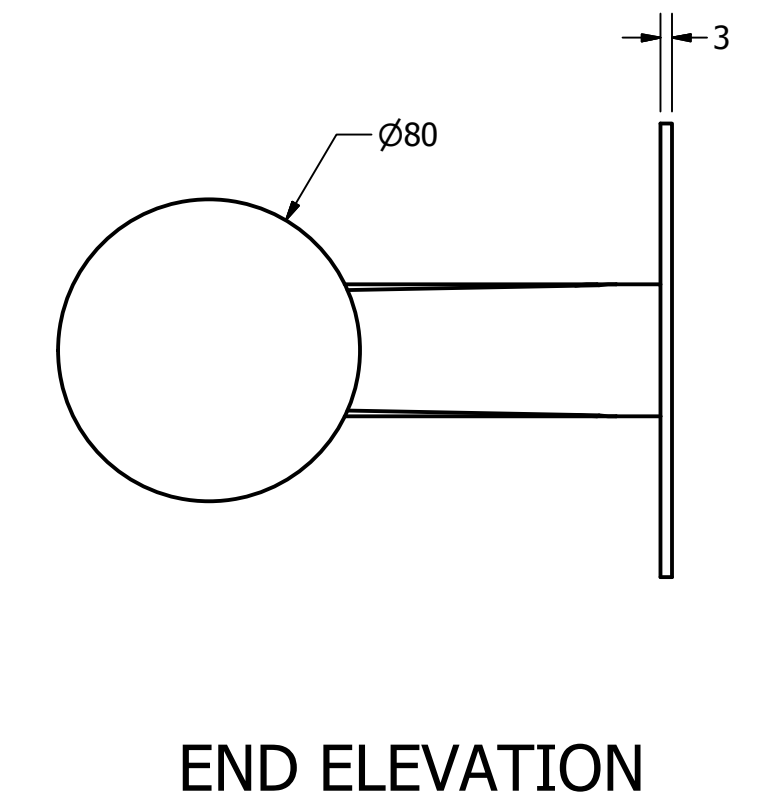
END ELEVATION

**Note:**

The undercarriage is to be glued to the wooden panel using Epoxy Resin

The panel is attached to the underside of the fuselage with four sets of M4 nuts and bolts

The the wheels are to be attached to the undercarriage with a bolt going through the wheels from the inside of the undercarriage with the following arrangement of nuts and washers: washer, undercarriage, washer, nut, wheel, washer then final nut.



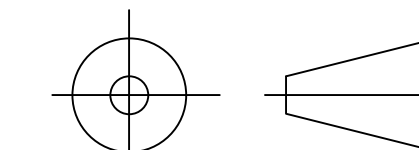
END ELEVATION

**Note:**

The steel is attached to the wooden panel using two plastic brackets and four sets of M4 nuts and bolts

The wooden panel is attached to the underside of the fuselage using Epoxy Resin

The wheel is attached similarly as the rear undercarriage wheels. See note in Rear undercarriage section



Title: Front and Rear Undercarriage

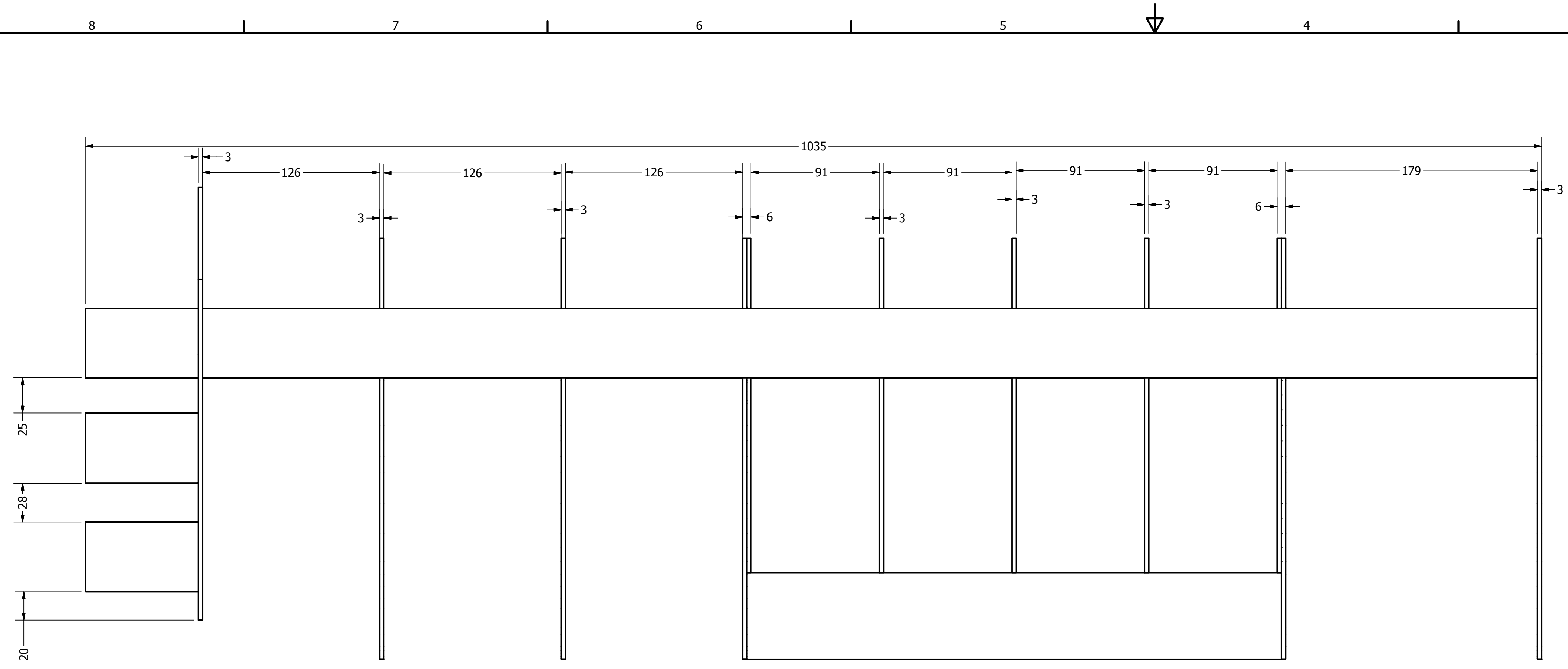
Units: mm

Date: 19/04/2016

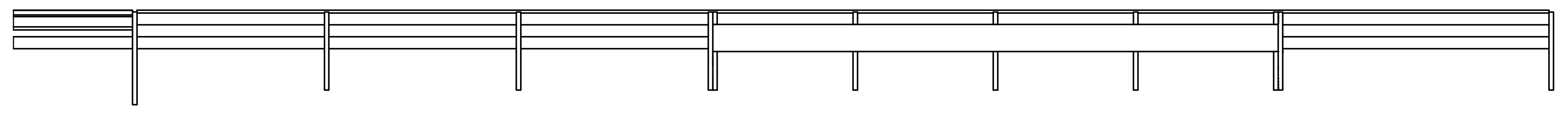
Scale: See Script

Team: Group E

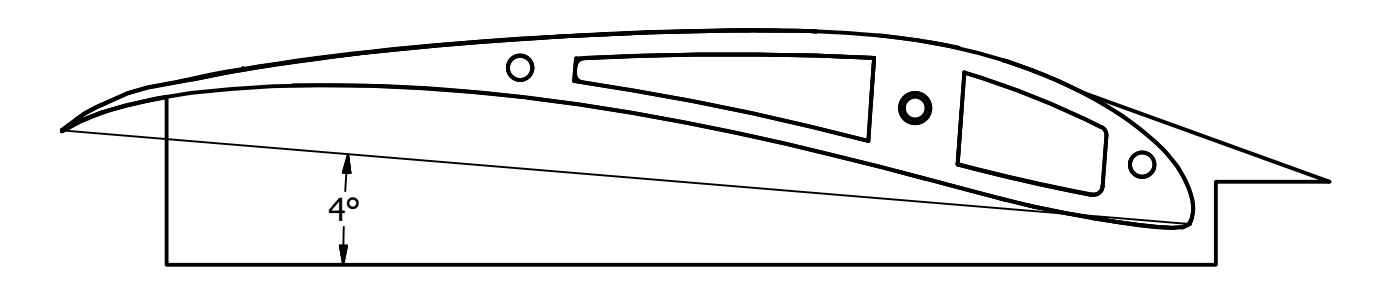




PLAN



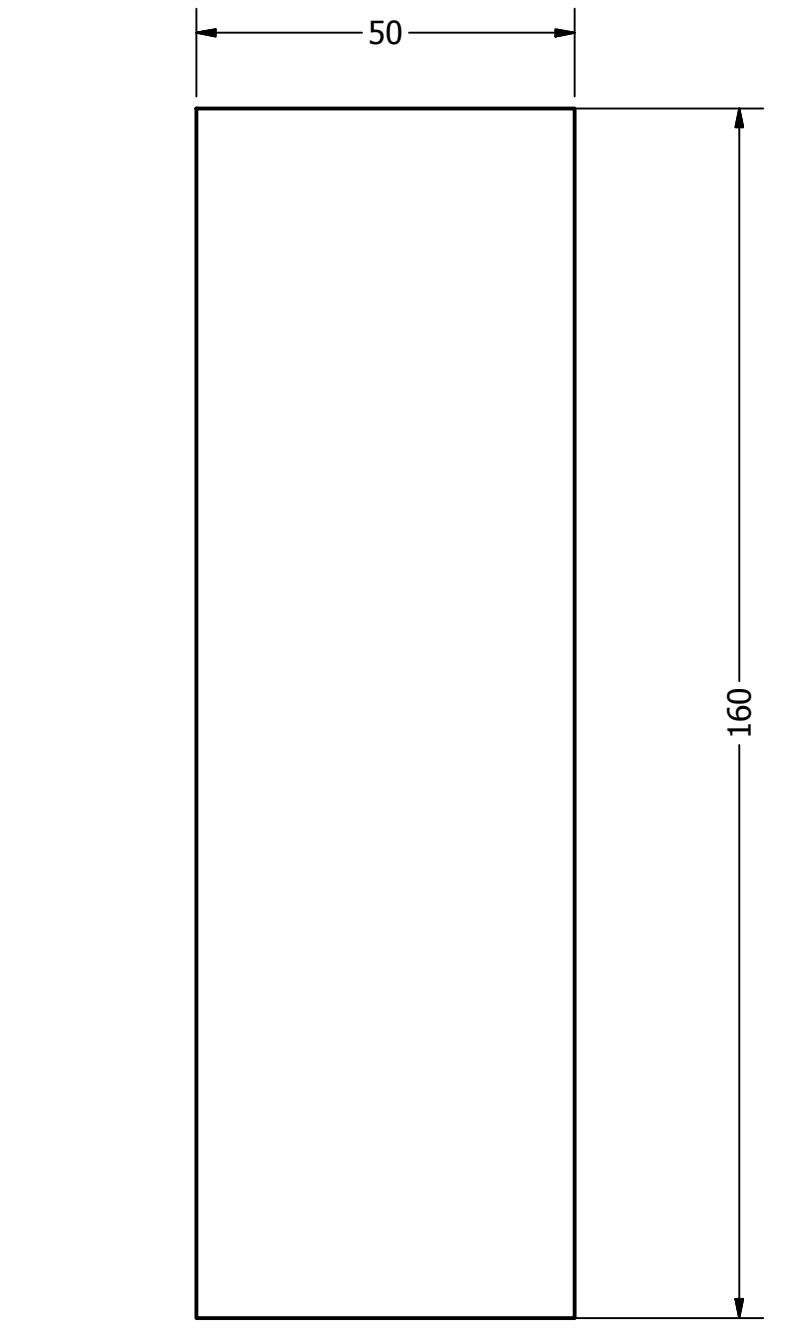
ELEVATION



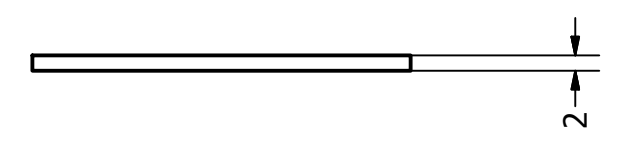
END ELEVATION

Note:  
 Views only show half of the wing assembly  
 The ribs are to be secured in place using Epoxy Resin  
 All other components are to be secured onto wing using zap-a-gap quick setting glue  
 The wing is to be attached to the fuselage using four sets of M4 nuts and bolts

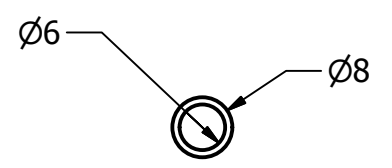
	Title: Half Wing Assembly		
	Units: mm	Date: 19/04/2016	Scale: 1:2 On Sheet Size D
			Team: Group E



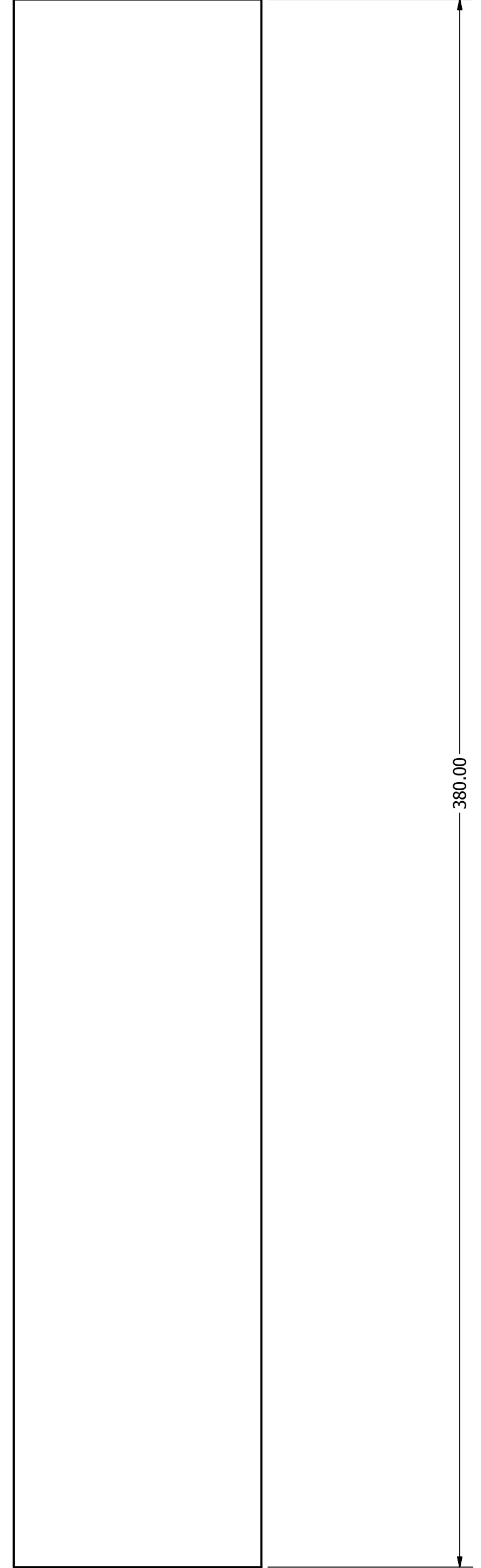
PLAN: FUSELAGE RIB SEPERATOR



ELEVATION: FUSELAGE RIB SEPERATOR



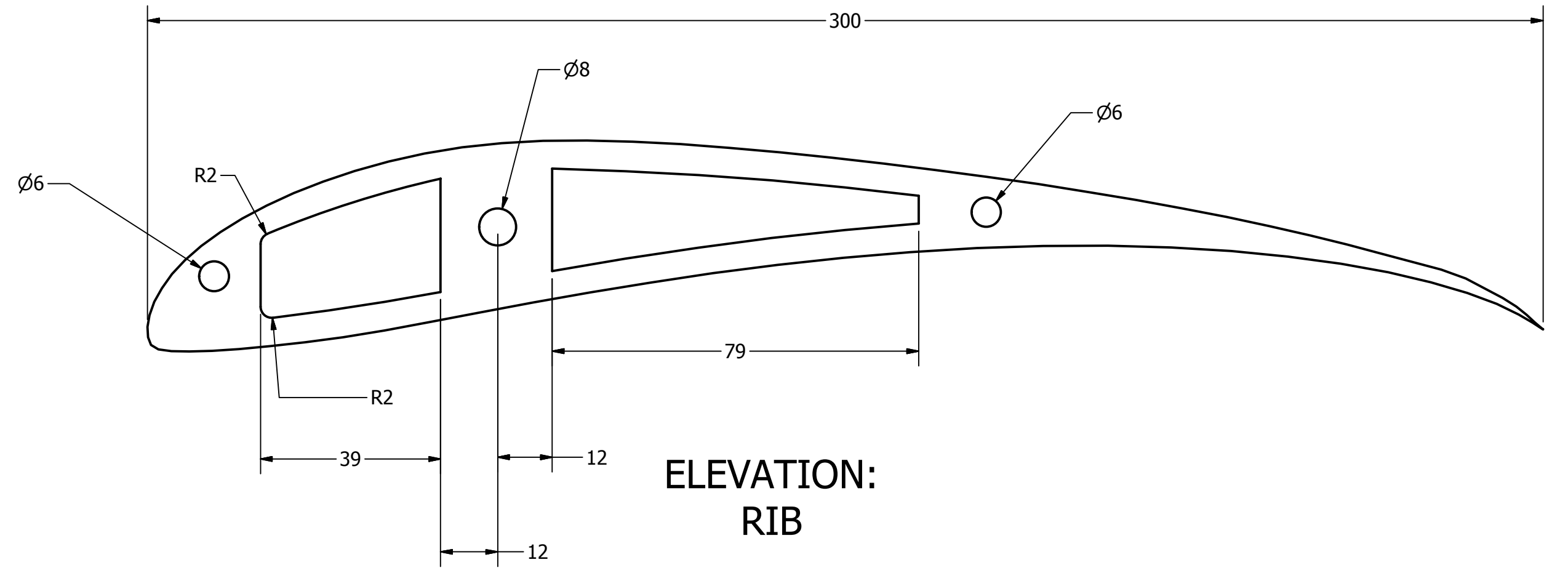
ELEVATION: SPAR (2.07m LENGTH)



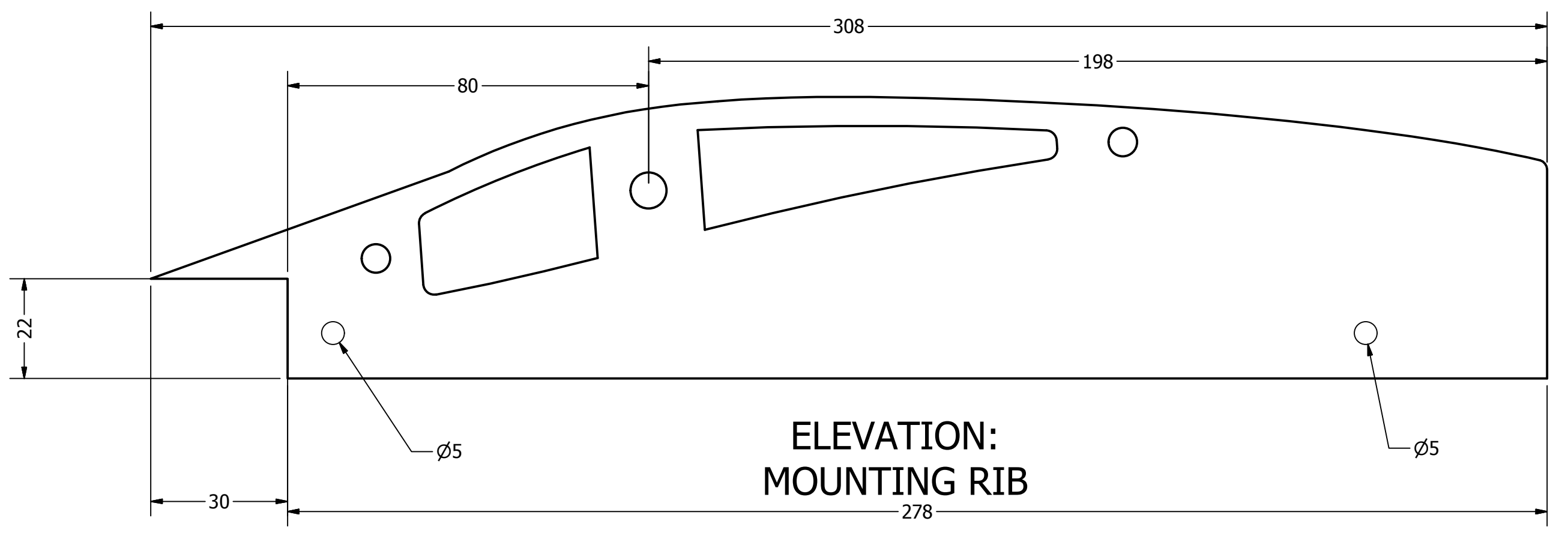
↓

↑

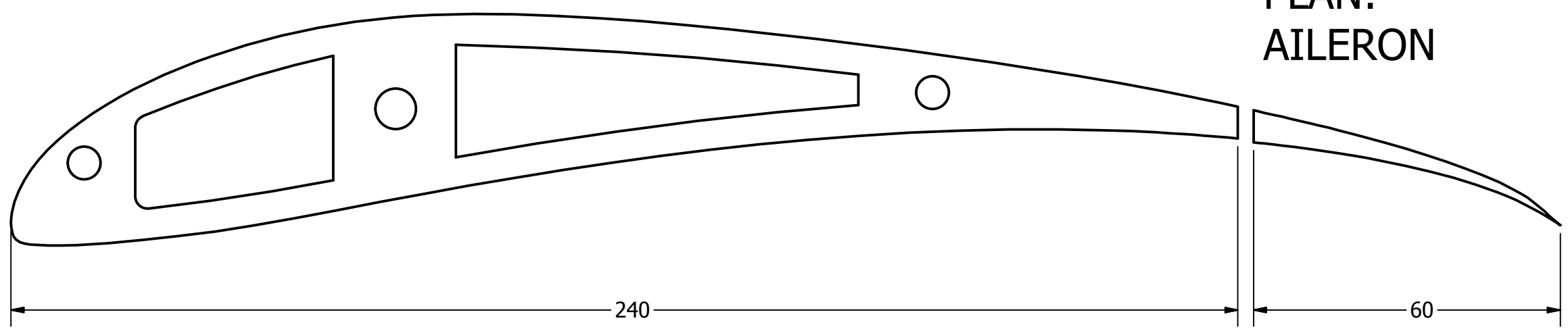
380.00



ELEVATION: RIB



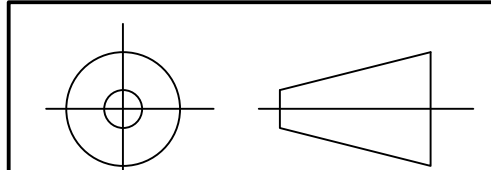
ELEVATION: MOUNTING RIB



PLAN: AILERON

ELEVATION: AILERON RIB

ELEVATION: AILERON



Units: mm

Title: Wing Components

Date: 19/04/2016

Scale: 1:1  
On Sheet Size D

Team: Group E