

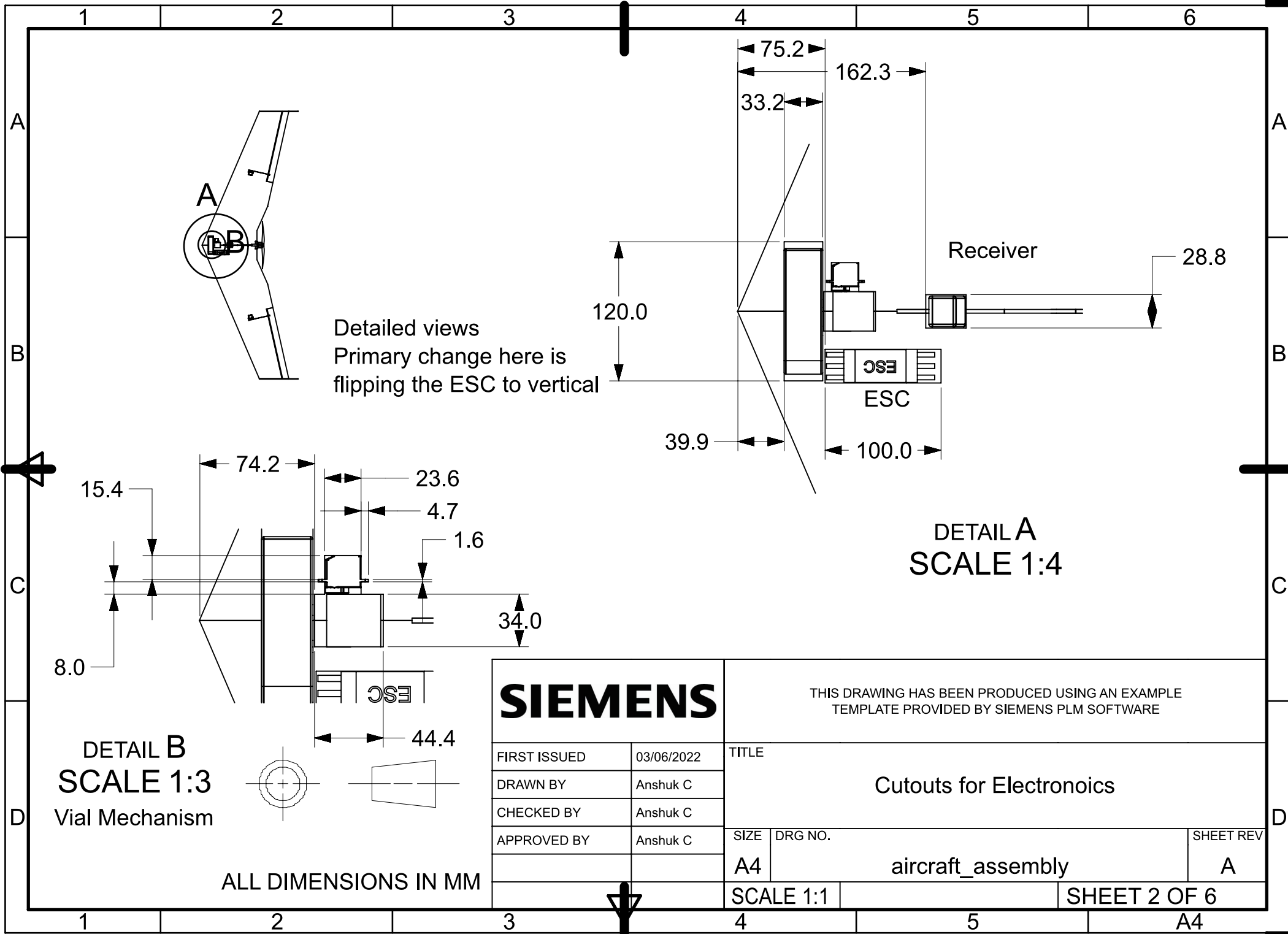
ALL DIMENSIONS IN MM

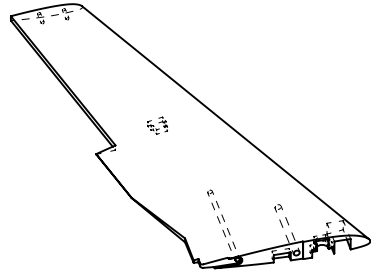
SIEMENS

THIS DRAWING HAS BEEN PRODUCED USING AN EXAMPLE
TEMPLATE PROVIDED BY SIEMENS PLM SOFTWARE

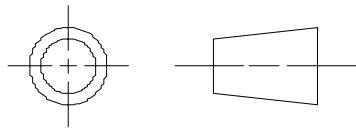
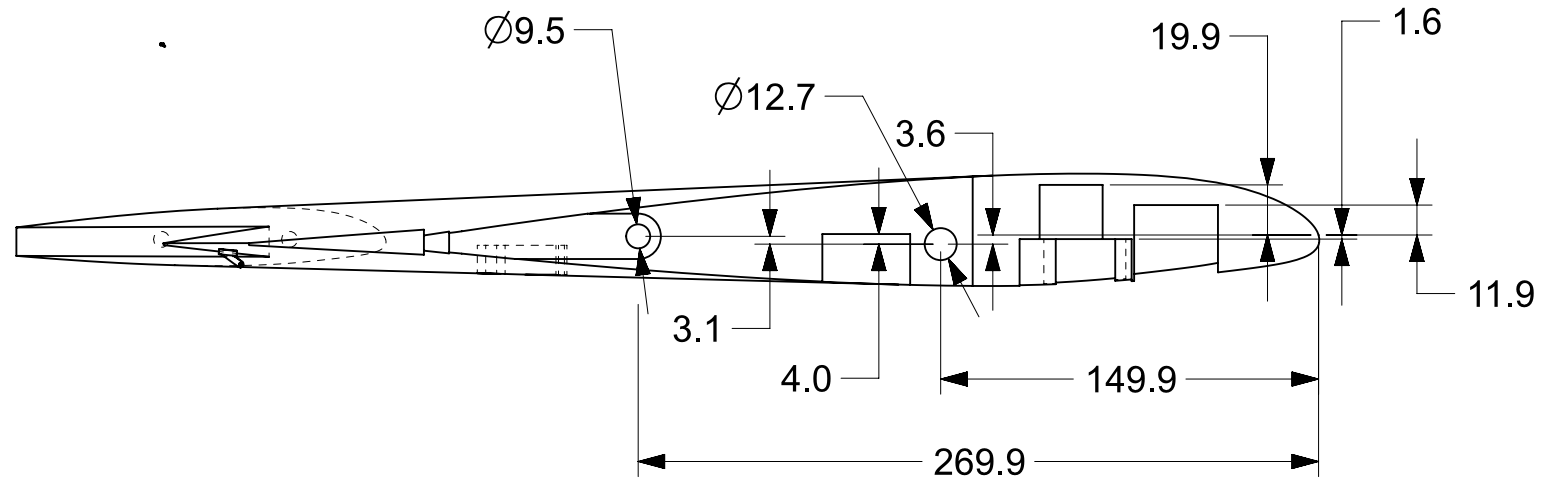
FIRST ISSUED	
DRAWN BY	George Petrov
CHECKED BY	George Petrov
APPROVED BY	George Petrov

TITLE		
Exploded View		
SIZE	DRG NO.	SHEET REV
A4	aircraft_assembly	A
SCALE 1:1		SHEET 1 OF 6





Some of the cross-sectional cuts
near the back changed to account for
the plywood mid-piece



ALL DIMENSIONS IN MM

SIEMENS

THIS DRAWING HAS BEEN PRODUCED USING AN EXAMPLE
TEMPLATE PROVIDED BY SIEMENS PLM SOFTWARE

FIRST ISSUED	03/06/22
DRAWN BY	Anshuk C
CHECKED BY	Anshuk C
APPROVED BY	Anshuk C

TITLE

Wing Side View (Depths of Cutouts
and Spar Cutouts)

SIZE DRG NO.

A4

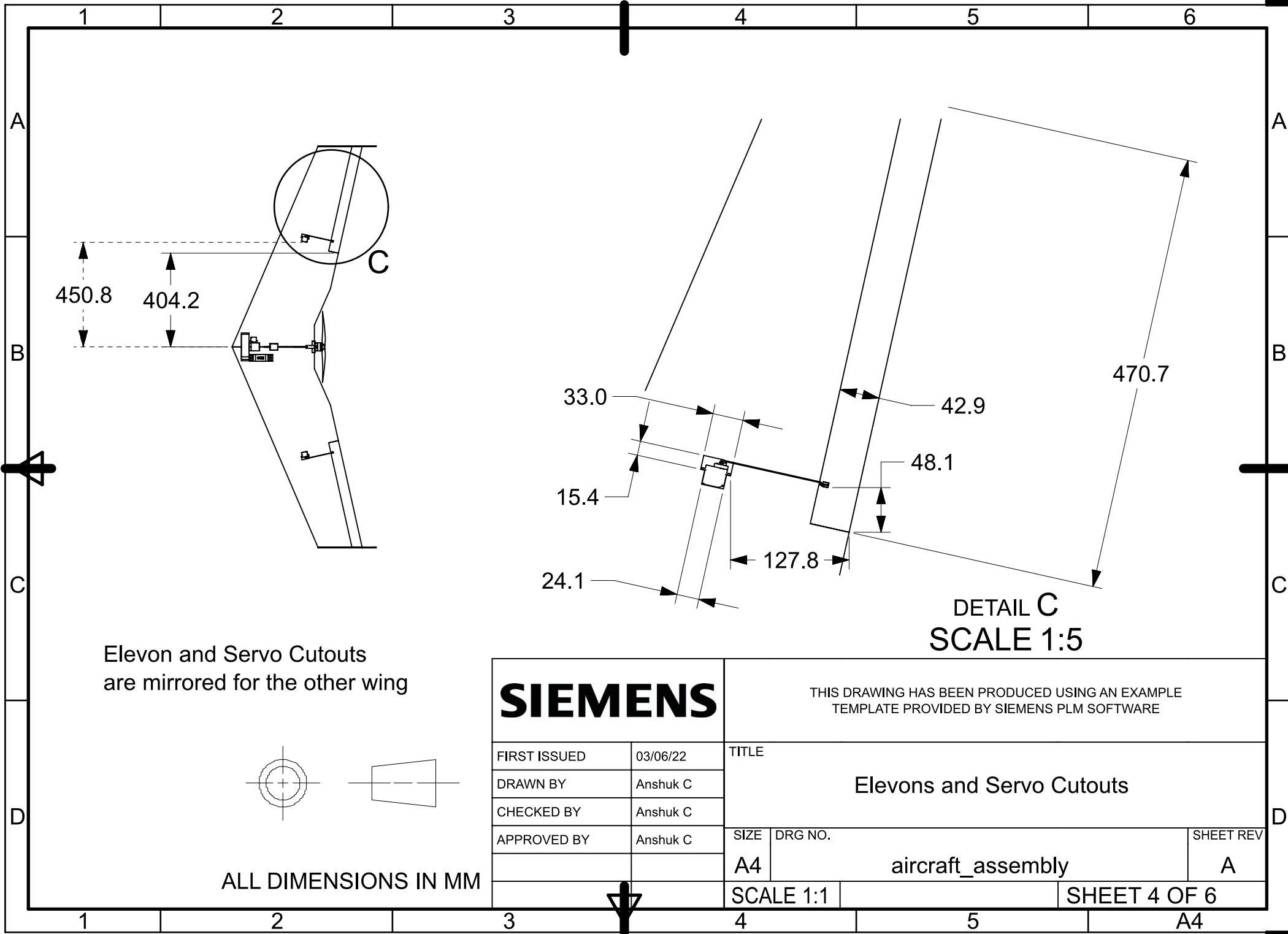
aircraft_assembly

SHEET REV

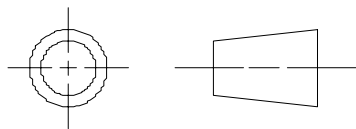
A

SCALE 1:1

SHEET 3 OF 6

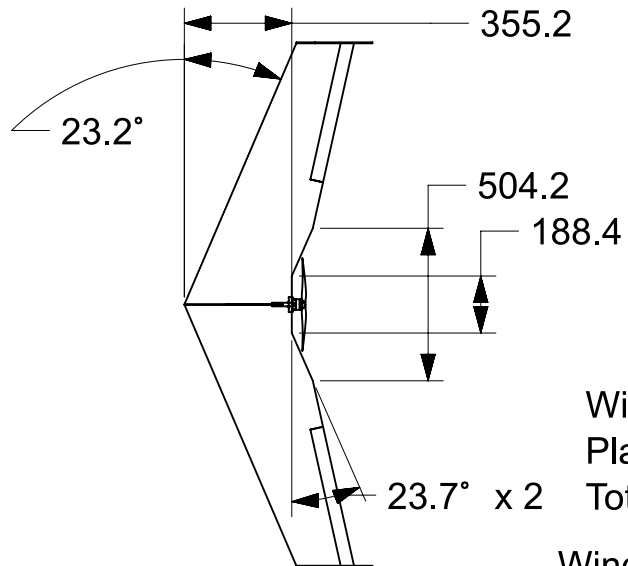


Elevon and Servo Cutouts
are mirrored for the other wing



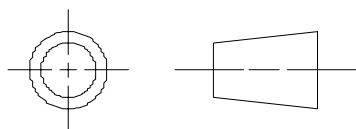
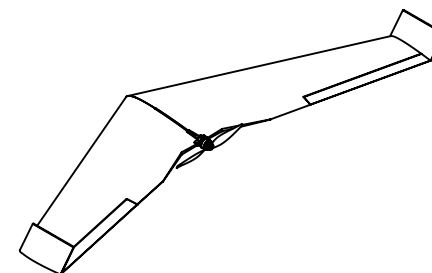
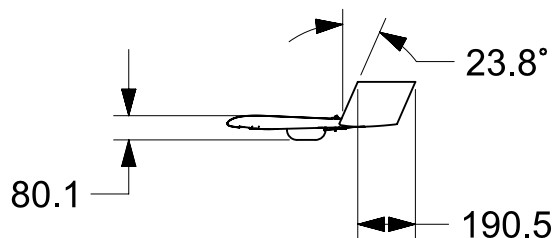
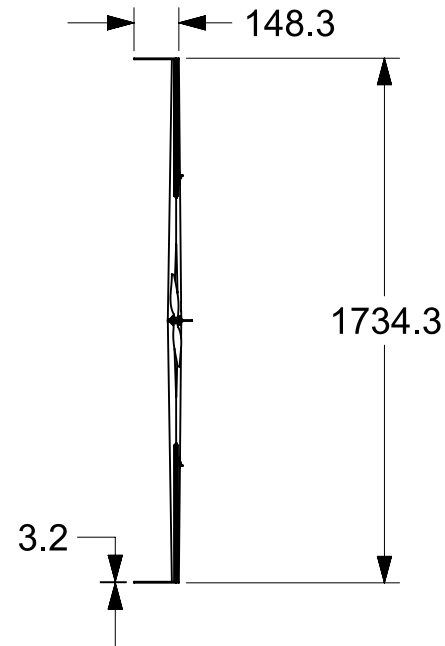
ALL DIMENSIONS IN MM

SIEMENS		THIS DRAWING HAS BEEN PRODUCED USING AN EXAMPLE TEMPLATE PROVIDED BY SIEMENS PLM SOFTWARE		
FIRST ISSUED	03/06/22	TITLE Elevons and Servo Cutouts		
DRAWN BY	Anshuk C			
CHECKED BY	Anshuk C			
APPROVED BY	Anshuk C	SIZE	DRG NO.	SHEET REV
		A4	aircraft_assembly	A
		SCALE 1:1	SHEET 4 OF 6	



Wing Airfoil: NACA 23012
 Planform Area: 482,579 mm²
 Total Mass: 1.367 kg

Winglet Area: 19,354.8 mm²
 Airfoil winglet replaced by flat
 carbon fiber plate with same
 surface area



ALL DIMENSIONS IN MM

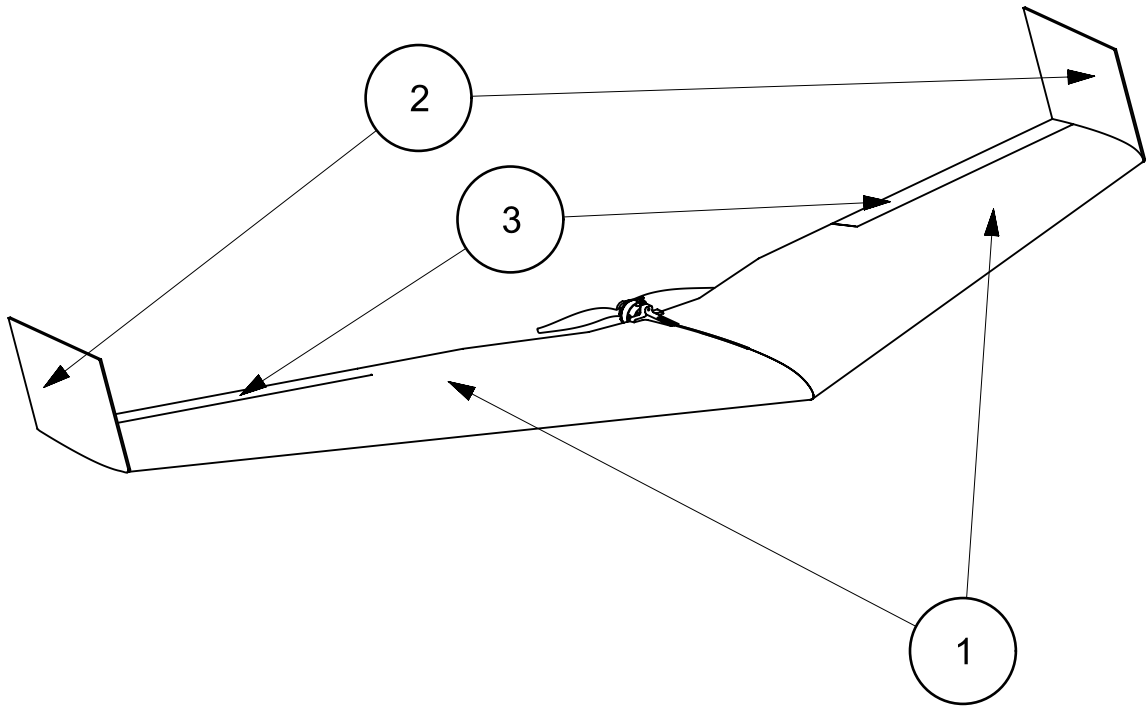
SIEMENS

THIS DRAWING HAS BEEN PRODUCED USING AN EXAMPLE
 TEMPLATE PROVIDED BY SIEMENS PLM SOFTWARE

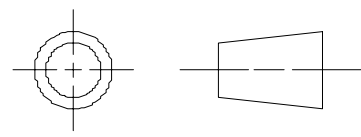
FIRST ISSUED	03/07/22
DRAWN BY	Anshuk C
CHECKED BY	Anshuk C
APPROVED BY	Anshuk C

TITLE Full Aircraft and Winglet Dimensions		
SIZE A4	DRG NO. aircraft_assembly	SHEET REV A

SCALE 1:25	SHEET 5 OF 6
------------	--------------



Number	Part
1	Primary Wings
2	Flat Winglets
3	Elevons



ALL DIMENSIONS IN MM

SIEMENS		THIS DRAWING HAS BEEN PRODUCED USING AN EXAMPLE TEMPLATE PROVIDED BY SIEMENS PLM SOFTWARE		
FIRST ISSUED	03/07/22	TITLE Aircraft Isometric View		
DRAWN BY	Anshuk C			
CHECKED BY	Anshuk C			
APPROVED BY	Anshuk C			
		SIZE A4	DRG NO. aircraft_assembly	SHEET REV A
		SCALE 1:1		SHEET 6 OF 6