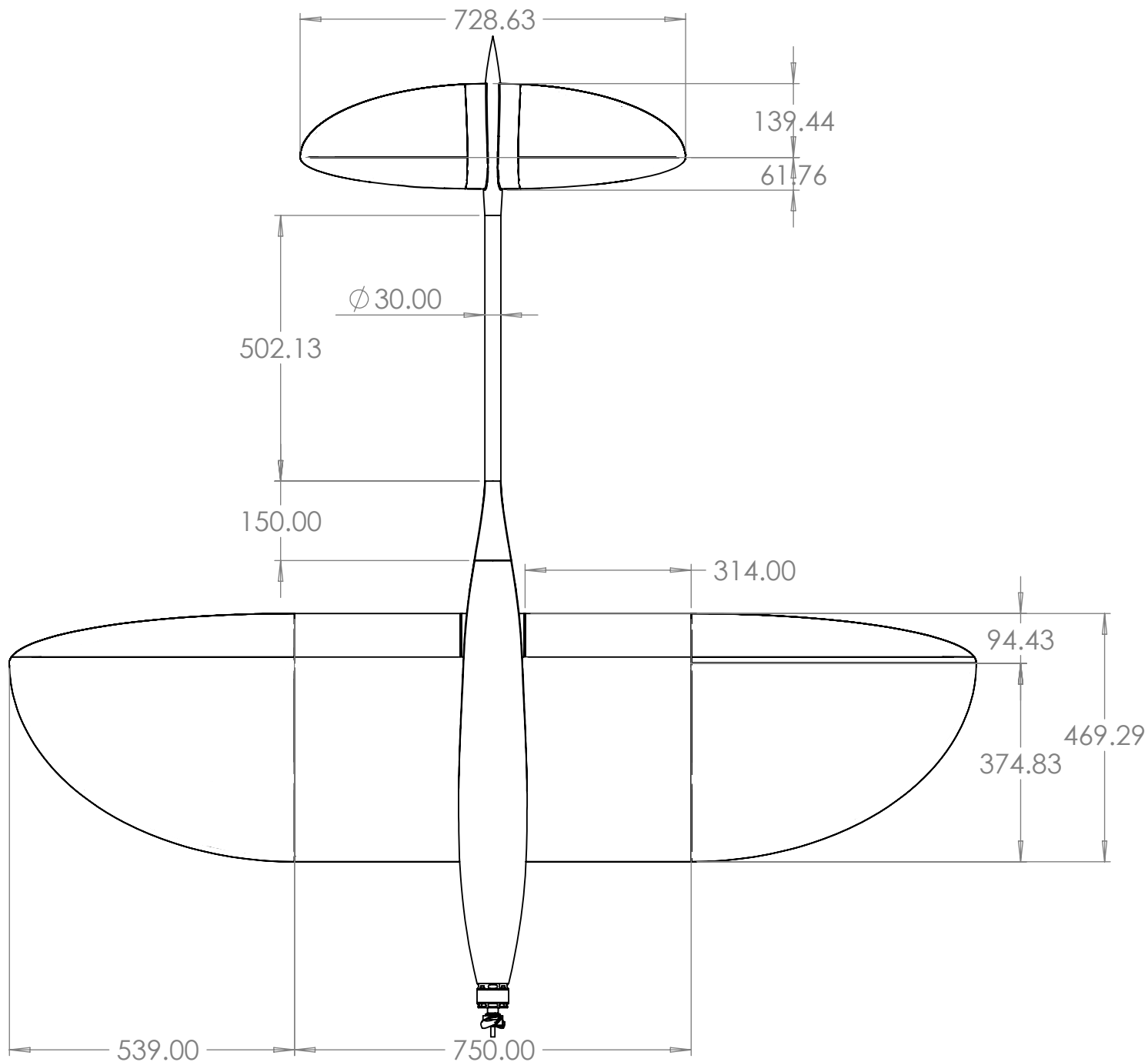
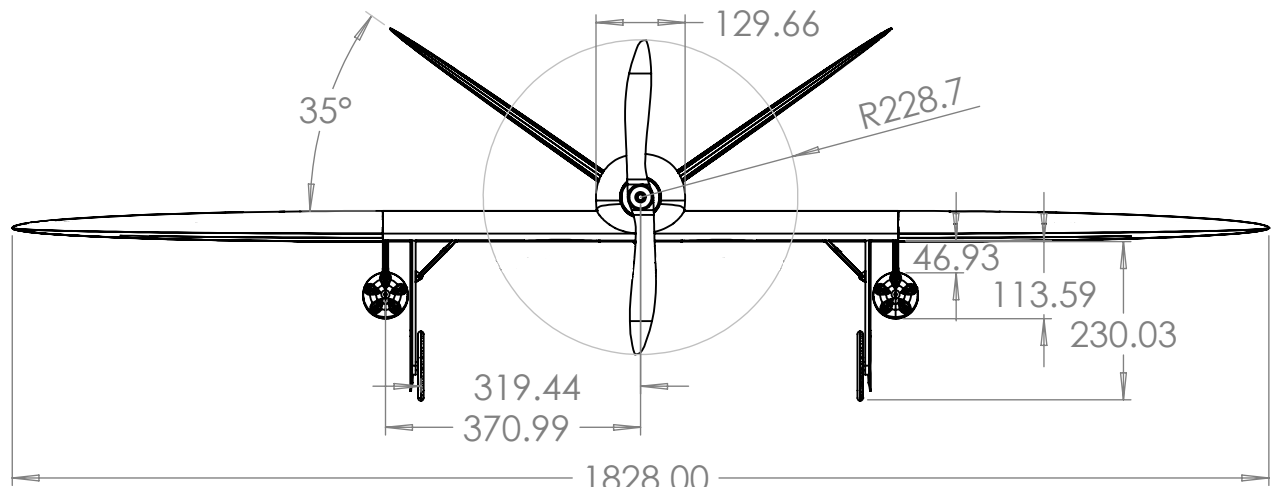


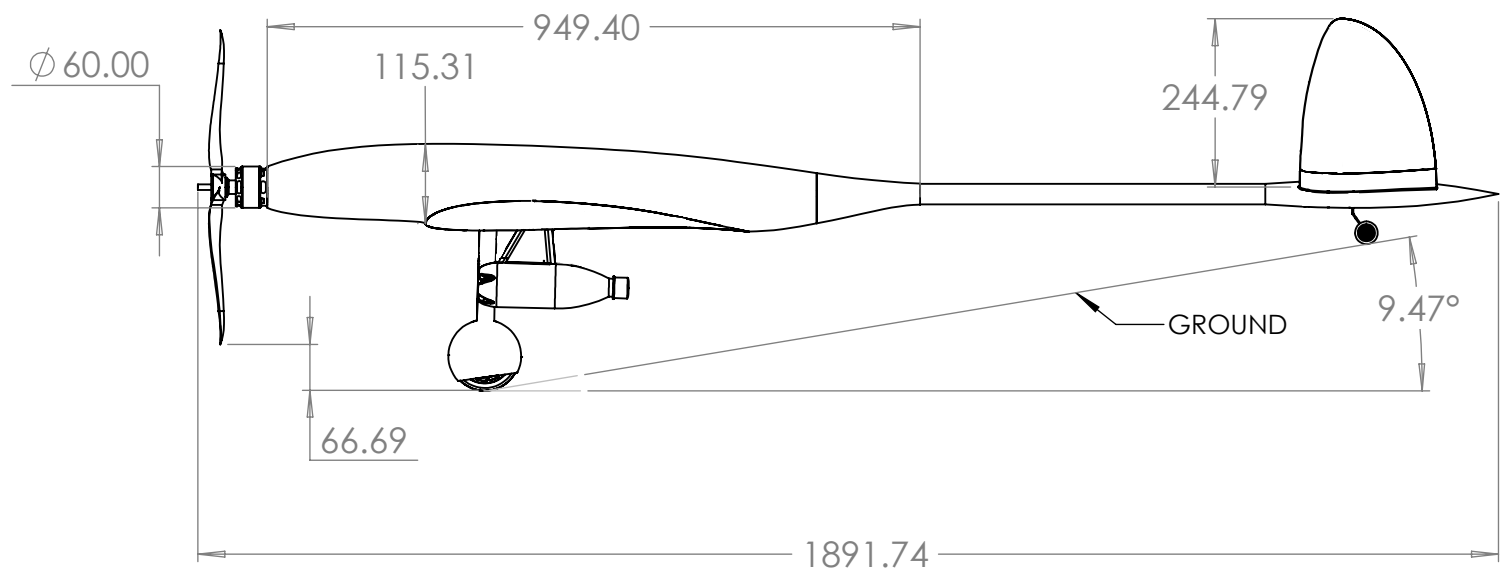
B

A



2

1



B

A

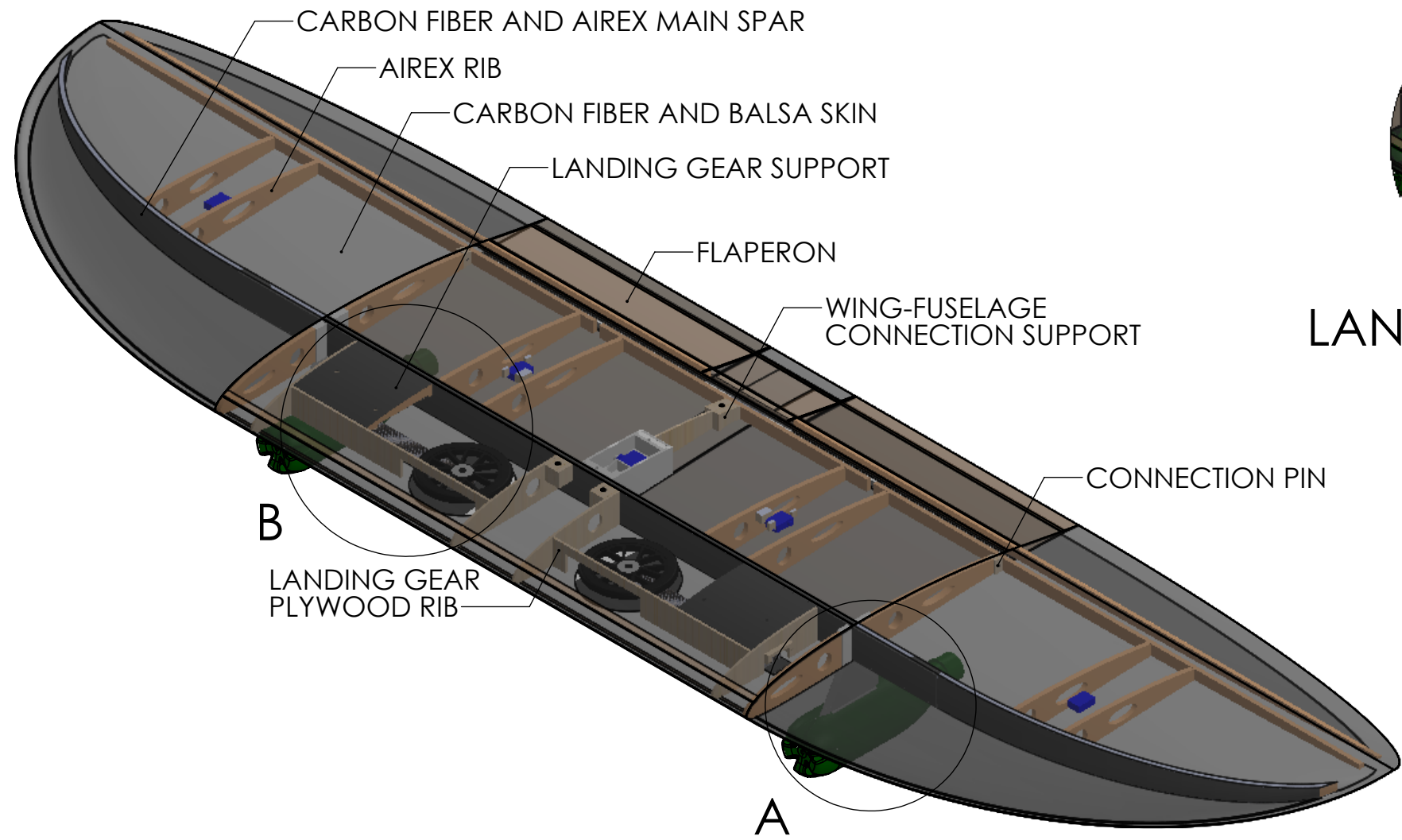
UNLESS OTHERWISE NOTED: ALL DIMENSIONS IN MM			
2025 UNIVERSIDADE DA BEIRA INTERIOR FACULDADE DE ENGENHARIA "UBIAT"			
SIZE B	DWG. NO. Aircraft 3-View	REV	
SCALE: 1:11		SHEET 1 OF 3	

4

3

2

1



- CARBON FIBER AND AIREX MAIN SPAR
- AIREX RIB
- CARBON FIBER AND Balsa SKIN
- LANDING GEAR SUPPORT
- FLAPERON
- WING-FUSELAGE CONNECTION SUPPORT

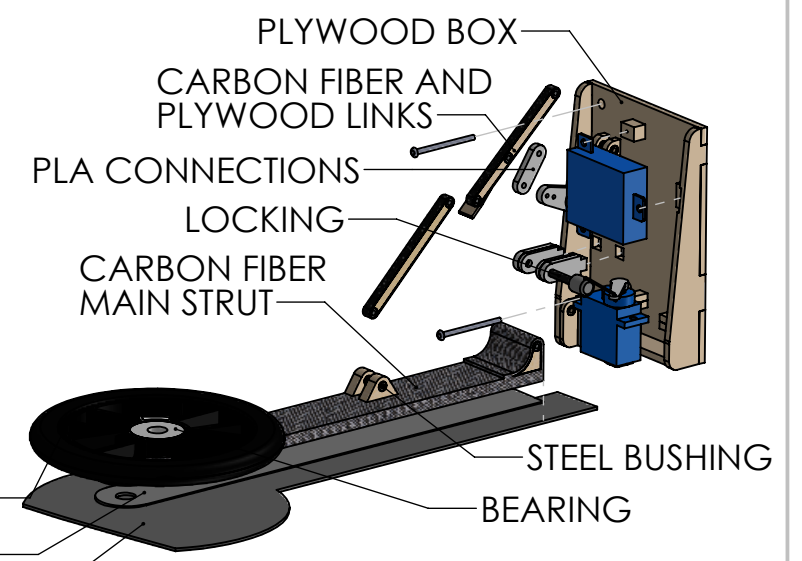
B
LANDING GEAR
PLYWOOD RIB

CONNECTION PIN

LANDING GEAR B

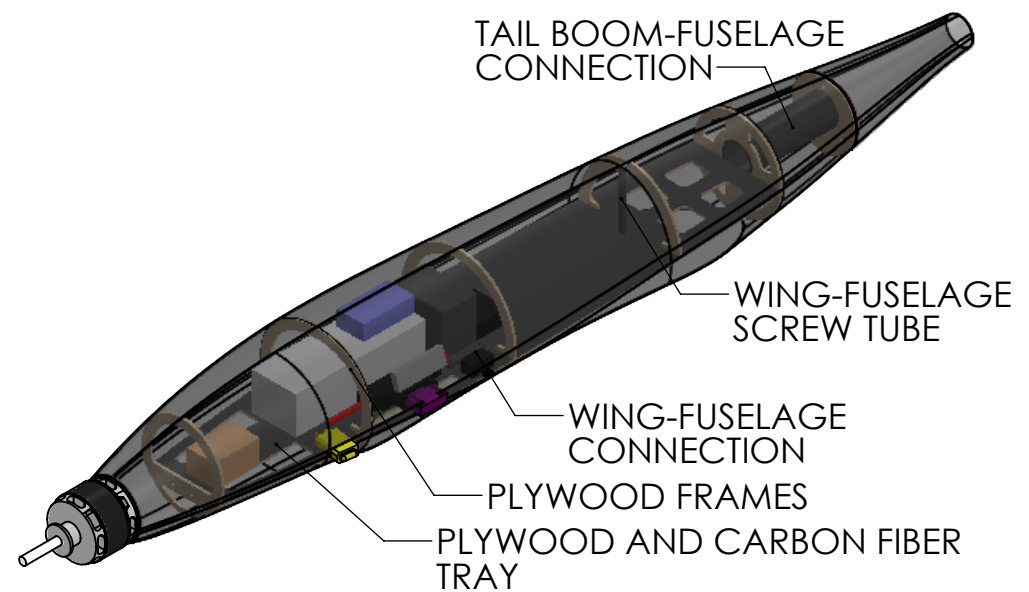
SCALE 1 : 5

- TPU WHEEL EXTERIOR
- PLA WHEEL INTERIOR
- PLA HEIGHT ADJUSTMENT
- SKIN COVER



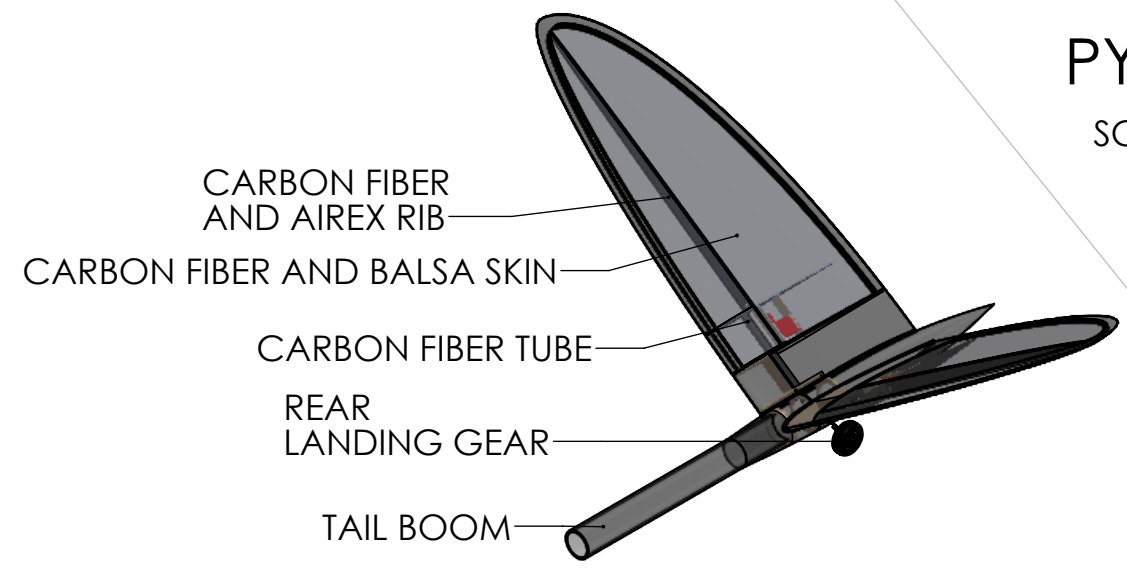
- PLYWOOD BOX
- CARBON FIBER AND PLYWOOD LINKS
- PLA CONNECTIONS
- LOCKING
- CARBON FIBER MAIN STRUT
- STEEL BUSHING
- BEARING

WING INTERNAL STRUCTURE AND MECHANISMS



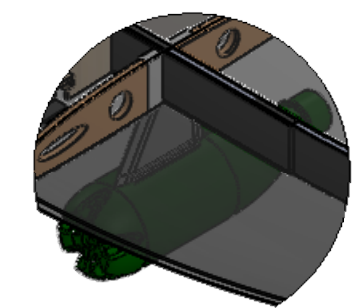
- TAIL BOOM-FUSELAGE CONNECTION
- WING-FUSELAGE SCREW TUBE
- WING-FUSELAGE CONNECTION
- PLYWOOD FRAMES
- PLYWOOD AND CARBON FIBER TRAY

FUSELAGE INTERNAL STRUCTURE



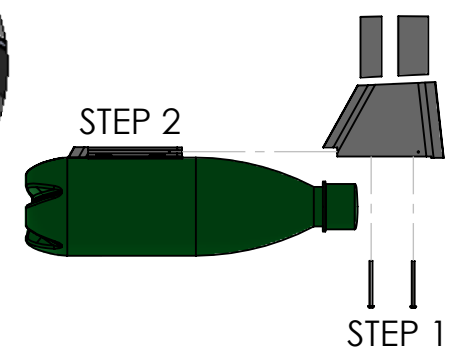
- CARBON FIBER AND AIREX RIB
- CARBON FIBER AND Balsa SKIN
- CARBON FIBER TUBE
- REAR LANDING GEAR
- TAIL BOOM

TAIL INTERNAL STRUCTURE



PYLON A

SCALE 1 : 5



STEP 2

STEP 1

UNLESS OTHERWISE NOTED: ALL DIMENSIONS IN MM		
2025 UNIVERSIDADE DA BEIRA INTERIOR FACULDADE DE ENGENHARIA "UBIAT"		
SIZE	DWG. NO.	REV
B	Aircraft Internal Structure	
SCALE: 1:6		SHEET 2 OF 3

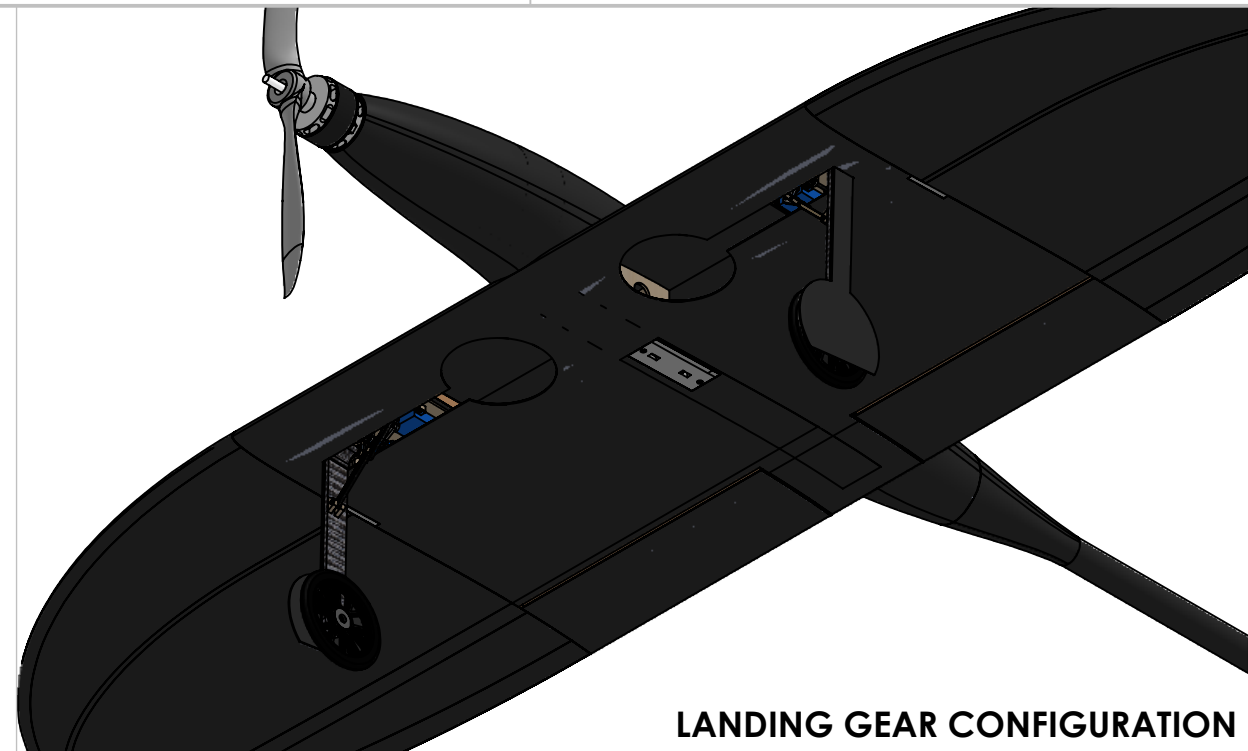
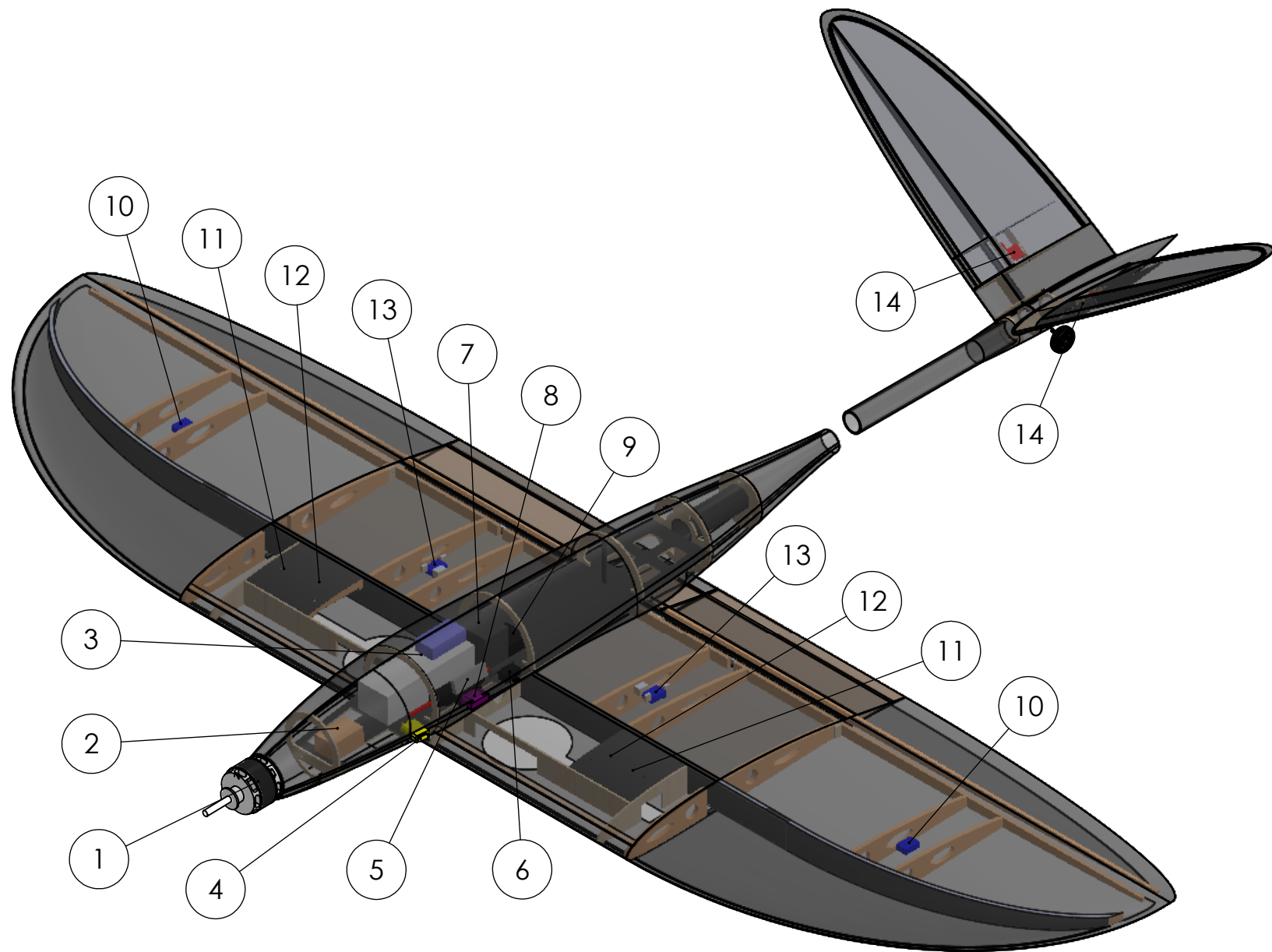
4

3

2

1

B



B

A

NUMBER	NAME	NUMBER	NAME
1	MOTOR	8	FUSE
2	ELECTRONIC SPEED CONTROLLER	9	RECEIVER
3	BATTERIES - 6S 4500mAh / 2S 800mAh	10	AILERON SERVO
4	ARMING SWITCH	11	LOCKING SERVO
5	BEC	12	LANDING GEAR SERVO
6	RADIO SWITCH	13	FLAPERON SERVO
7	MEASURING EQUIPMENT	14	TAIL SERVO

A

UNLESS OTHERWISE NOTED: ALL DIMENSIONS IN MM		
2025 UNIVERSIDADE DA BEIRA INTERIOR FACULDADE DE ENGENHARIA "UBIAT"		
SIZE B	DWG. NO. Aircraft Systems	REV
SCALE: 1:7		SHEET 3 OF 3