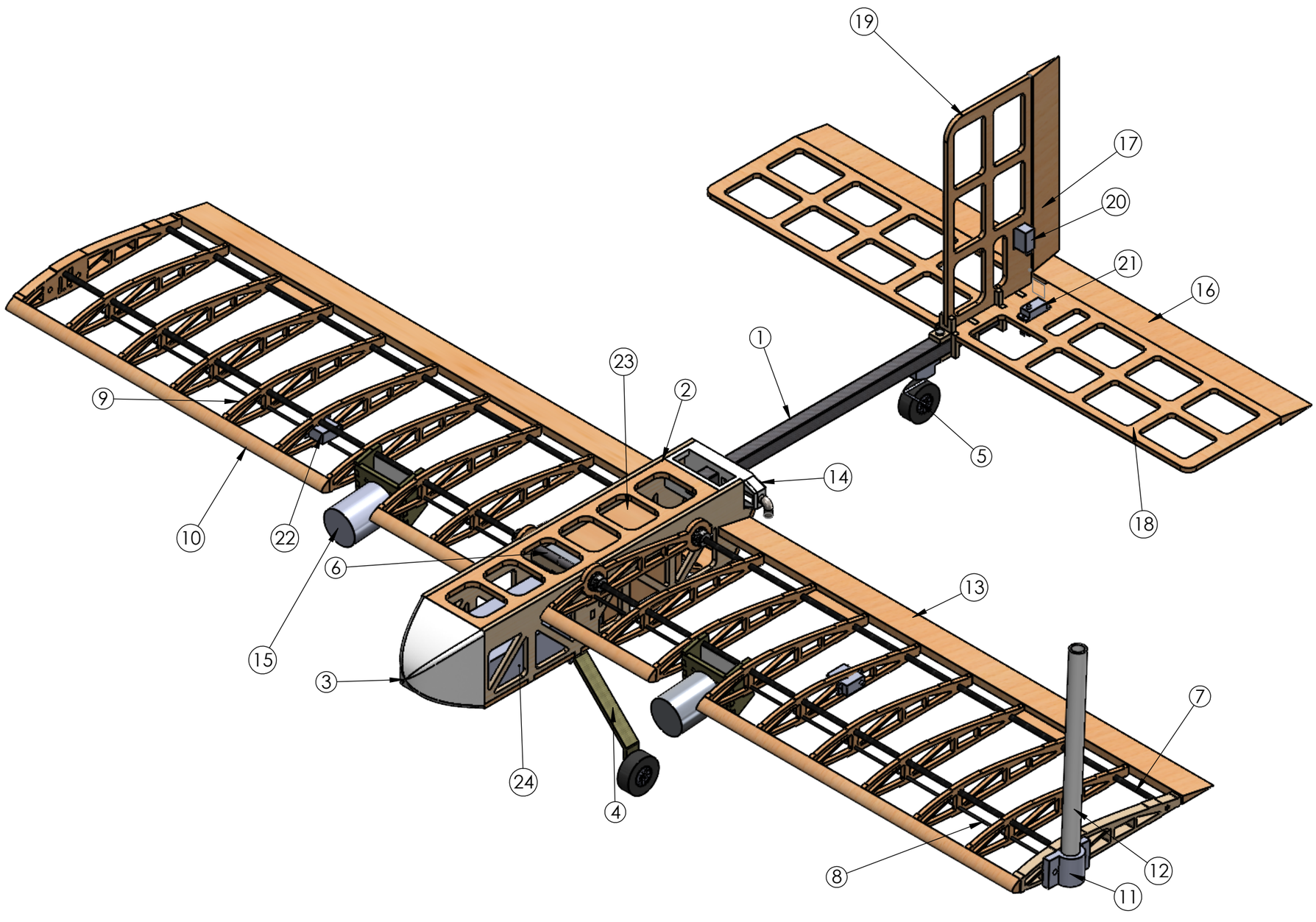


| Item | Qty | Item Name | Material/Description |
|---|---|---|---|
| 1 | 1 | Fuselage boom | Carbon Fiber |
| 2 | 1 | Fuselage Frame | Balsa wood |
| 3 | 1 | Fuselage Nose | ABS |
| 4 | 1 | Front landing gear | Carbon Fiber |
| 5 | 1 | Rear landing gear | Aluminum |
| 6 | 1 | Fuselage wing spar tube | Carbon Fiber |
| 7 | 4 | Main wing spars | Carbon Fiber |
| 8 | 2 | Secondary Wing Spars | Carbon Fiber |
| 9 | 20 | Wing ribs | Balsa Wood |
| 10 | 4 | Wing leading edge | Balsa Wood |
| 11 | 1 | Jamming Antenna Bracket | ABS |
| 12 | 1 | Jamming Antenna | PVC |
| 13 | 2 | Aileron | Balsa Wood |
| 14 | 1 | Boom Attachment | ABS |
| 15 | 2 | Motor | Cobra C4130/16 |
| 16 | 2 | Elevators | Balsa Wood |
| 17 | 1 | Rudder | Balsa Wood |
| 18 | 1 | Horizontal Tail | Balsa Wood |
| 19 | 1 | Vertical Tail | Balsa Wood |
| 20 | 1 | Rudder Servo | Corona DS-236MG |
| 21 | 1 | Elevator Servo | Corona DS-236MG |
| 22 | 2 | Aileron Servo | Corona DS-236MG |
| 23 | 1 | Electronics Package | Steel and Balsa Wood |
| 24 | 2 | Propulsion Battery | Liperior 6S-4500mAh |

SCALE:1:16

Rice Univesity
Design/Build/Fly 2023
OWLer Structural Arrangement