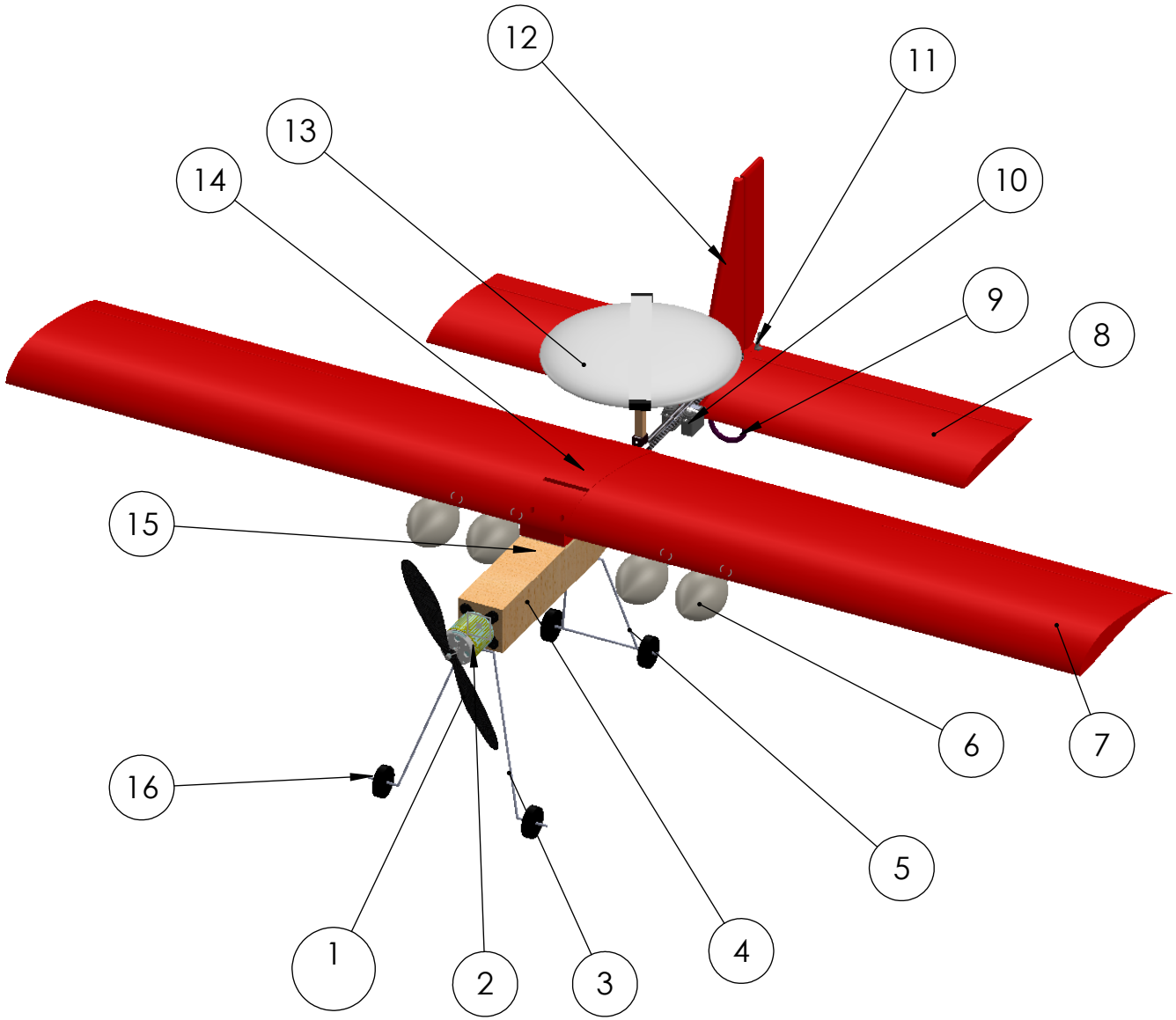
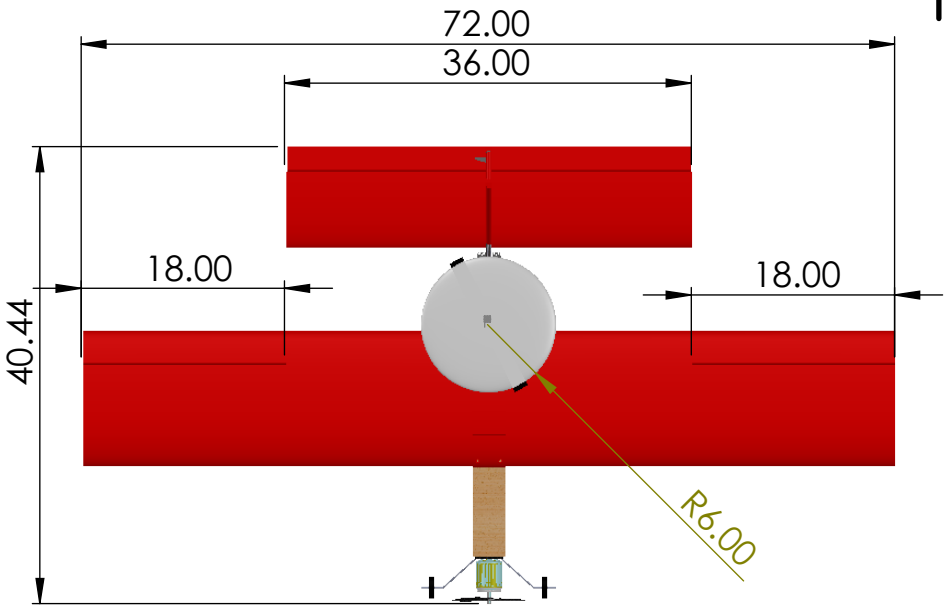
# Layout/Bill of materials



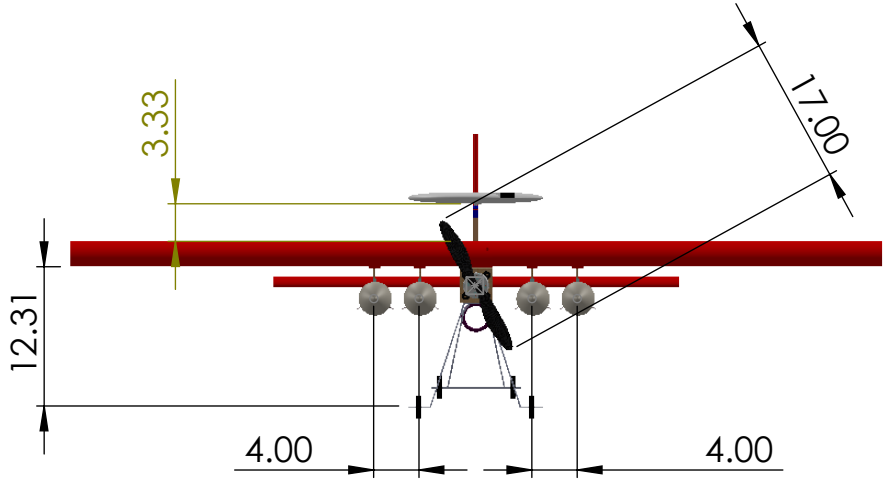

| Part number | Part | Qty. |
|---|---|---|
| 1 | 17" Propeller | 1 |
| 2 | G60 500KV Motor | 1 |
| 3 | Front landing gear | 1 |
| 4 | Fuselage | 1 |
| 5 | Back landing gear | 1 |
| 6 | Attack stores | 4 |
| 7 | Wing | 1 |
| 8 | Tail | 1 |
| 9 | Tail Hook | 2 |
| 10 | Servo motor | 2 |
| 11 | Control horn | 1 |
| 12 | Rudder | 1 |
| 13 | Radome | 1 |
| 14 | Folding Mechanism | 1 |
| 15 | Battery Case | 1 |
| 16 | Front landing gear | 1 |

# 3 View Drawing

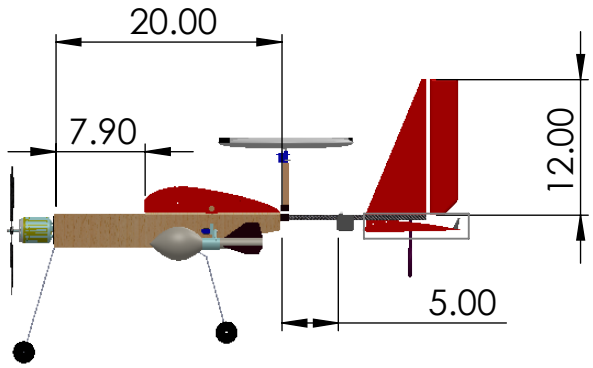



TOP VIEW

ISOMETRIC VIEW



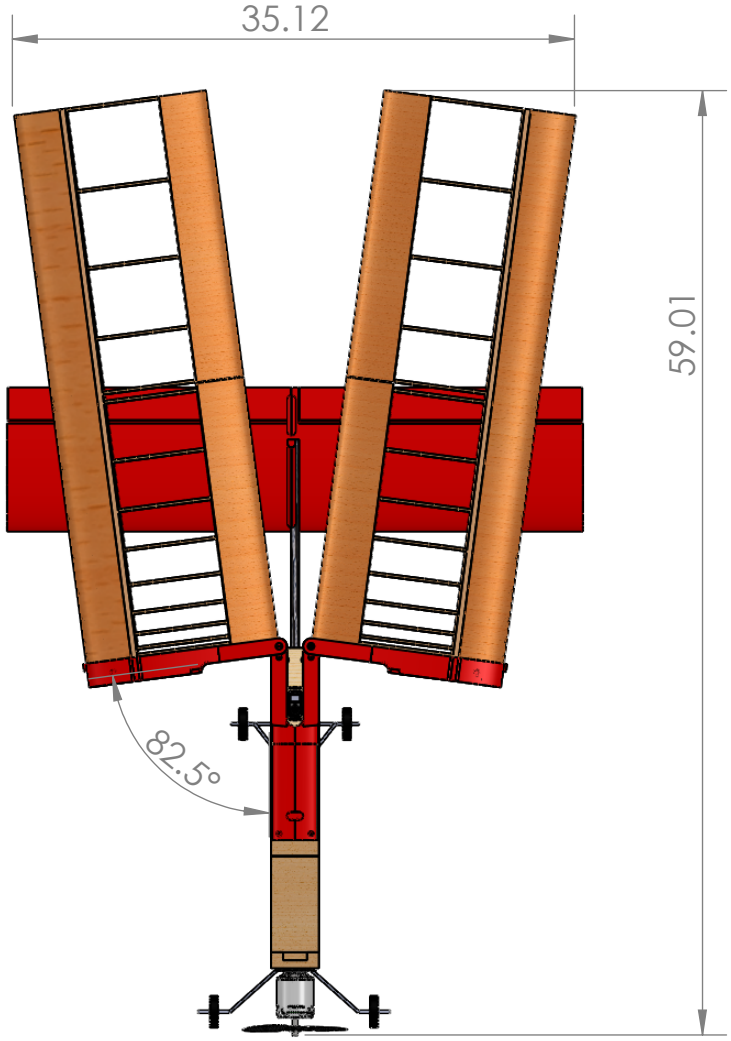

FRONT VIEW




SIDE VIEW

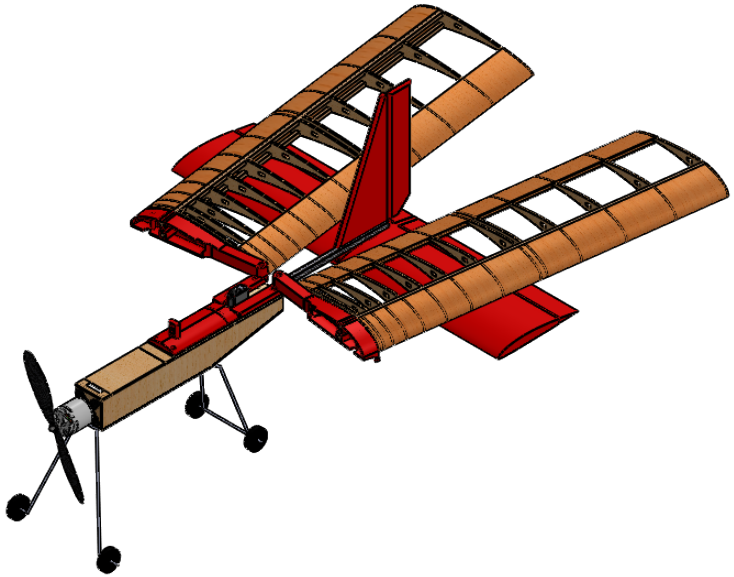
NOTES:
1)All dimensions are in inches.

# Folding Configurations

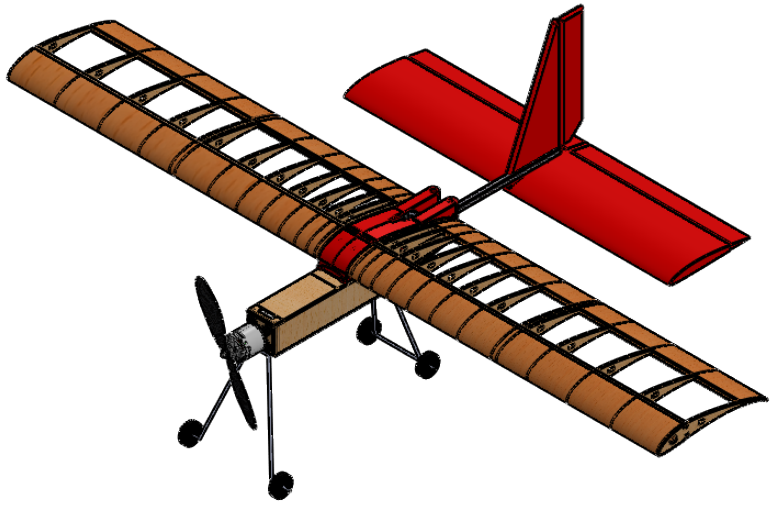



Note: All units are in inches

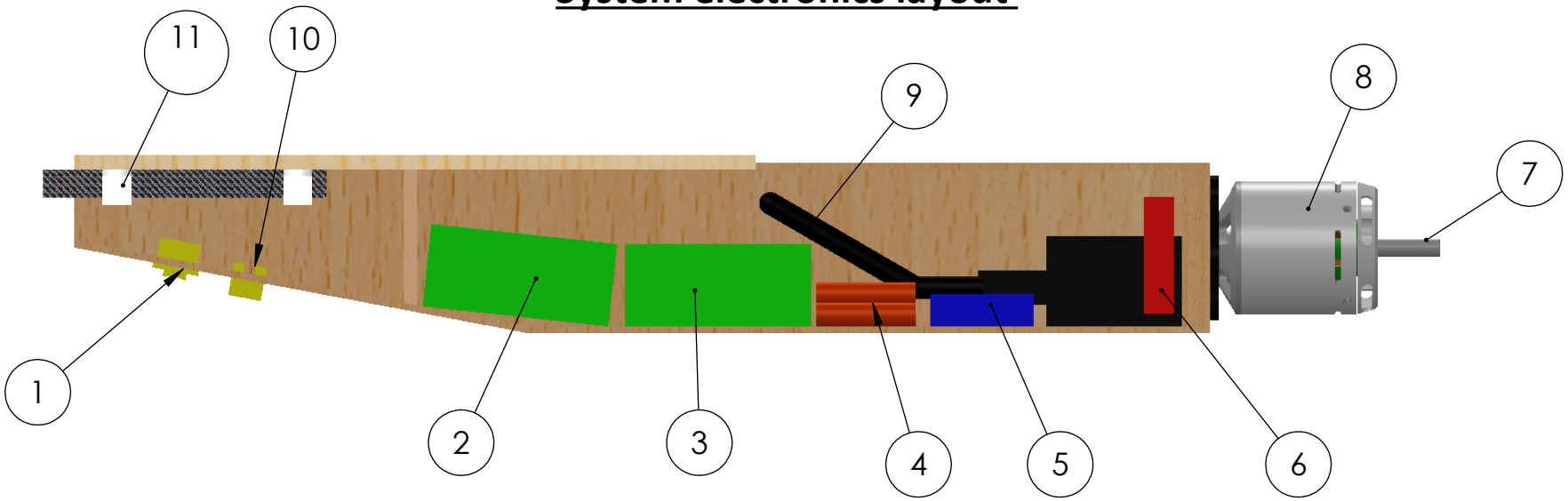
Stowed Configuration



Flight Configuration

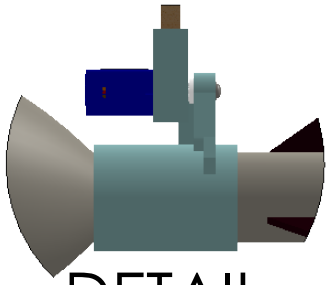


# System electronics layout




| Sr. no | Part | Qty |
|---|---|---|
| 1 | ON/OFF Switch | 1 |
| 2 | Battery Pack 1 | 1 |
| 3 | Battery Pack 2 | 1 |
| 4 | Receiver battery | 1 |
| 5 | X8R Receiver | 1 |
| 6 | 40A ESC | 1 |
| 7 | Shaft | 1 |
| 8 | 500 KV G60 Motor | 1 |
| 9 | Arduino receiver | 1 |
| 10 | 40 A amp fuse | 1 |
| 11 | Tail boom attachment | 1 |

# Payload accomodation and drop mechanism

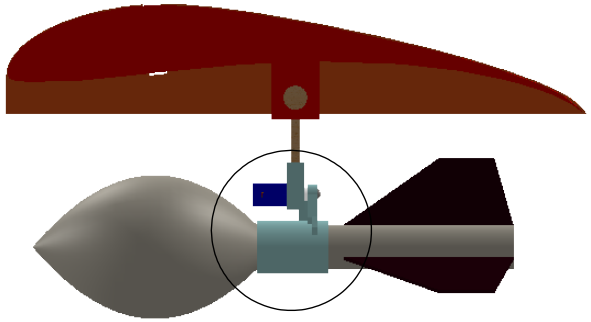


DETAIL A

SCALE 1 : 2

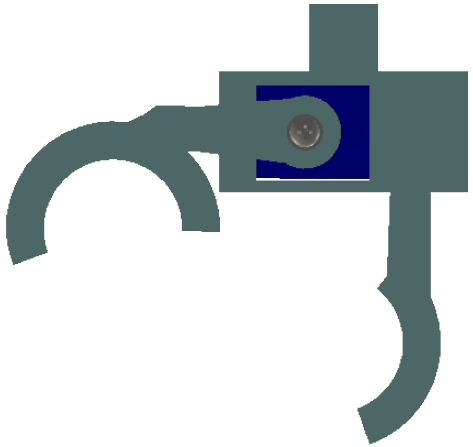
Detailed View

Clsoed Configuration



A

Side View



Open Configuration

NOTES:

1) The attack store is held from the central stem part.
2) Each attack store has a seprate servo that can independently open and close the claw mechanism.
3) The whole claw structure in light blue color is 3D printed.