

	NAME	Peaking Jay
DRAWN BY	Han Zheng	Johns Hopkins University
All dimensions are in inches unless otherwise specified		
Aircraft 3-View		
REV		
SCALE: 1:12		SHEET 1 OF 3

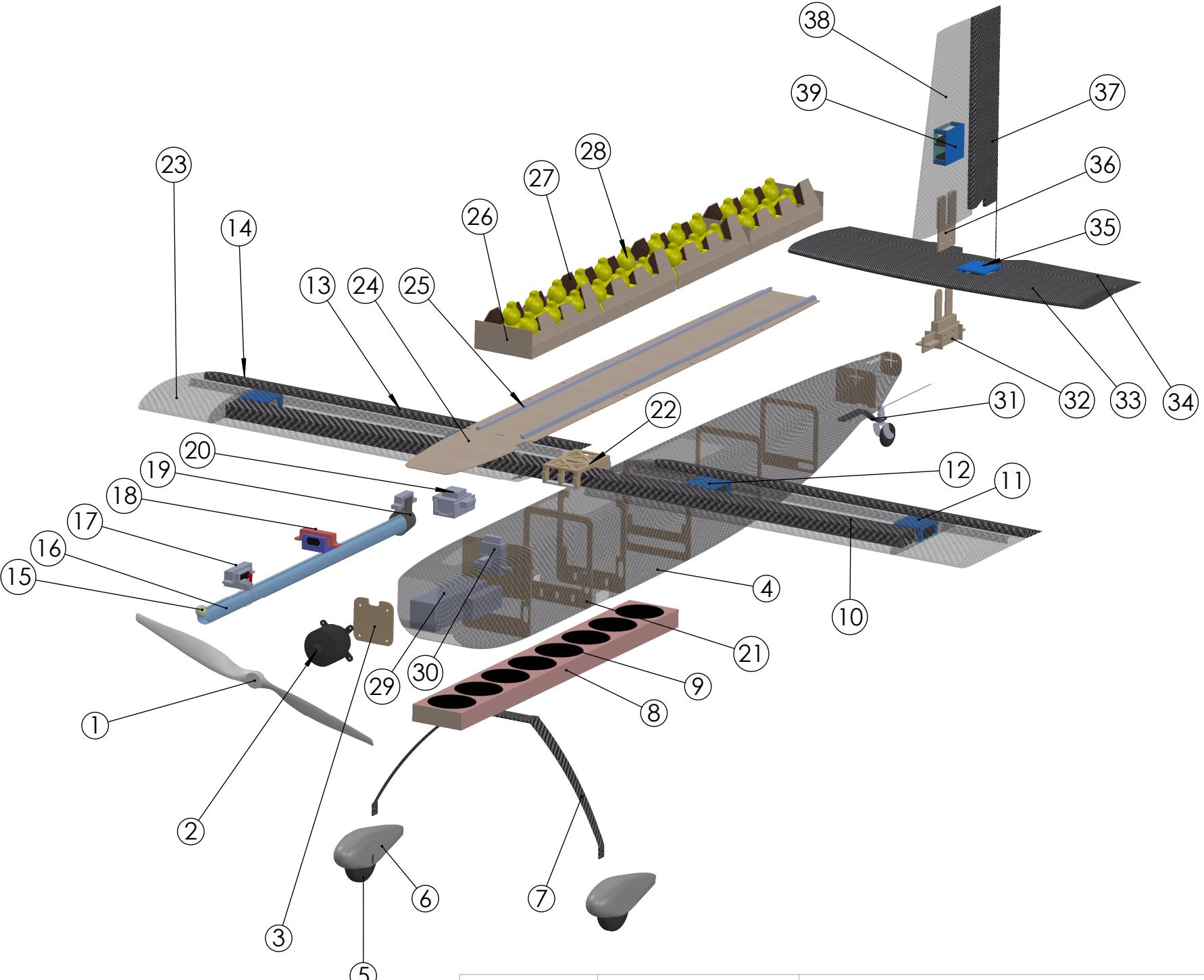
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ITEM NO.	PART NAME	Description
1	Propeller	Glass-Reinforced Plastic
2	Motor	Scorpion A-5025-215kV
3	Motor Bulkhead	Plywood
4	Fuselage Skin	Carbon Fiber
5	Front Landing Gear Wheel	Rubber
6	Wheel Fairing	Fiberglass
7	Front Landing Gear	Carbon Fiber
8	Cargo Holder	XPS Foam
9	Cargo (Hockey Puck)	Rubber
10	Wing Spar	Carbon Fiber
11	Aileron Servo	HiTec HS-7245MW
12	Flap Servo	HiTec D645MW
13	Flap	Carbon Fiber/XPS Foam
14	Aileron	Carbon Fiber/XPS Foam
15	Banner Leading Edge Weight	PLA
16	Banner	Ripstop Nylon
17	Banner Deploy Mechanism	PLA
18	Banner Release Mechanism	PLA
19	Banner Rear Holder	PLA
20	ESC	Scorpion Tribunus III
21	Bulkhead	Plywood
22	Wing Spar Mount	Plywood/PLA
23	Wing Skin	Carbon Fiber
24	Floor	Basswood
25	Floor Rails	PLA
26	Passenger Restraint System	Basswood
27	Foam Block	Polyurethane
28	Passenger (Rubber Duck)	Rubber
29	Battery	Roaring Top 6s 4500 mAh
30	Fuse	100AMP Fuse
31	Tail Gear	Carbon Fiber
32	Horizontal Stabilizer Insert	Plywood
33	Horizontal Stabilizer	Carbon fiber/XPS Foam
34	Elevator	Carbon Fiber/XPS Foam
35	Elevator Servo	HiTec HS-7245MW
36	Vertical Stabilizer Insert	Plywood
37	Rudder	Carbon Fiber/XPS Foam
38	Vertical Stabilizer	Carbon Fiber/XPS Foam
39	Rudder Servo	HiTec D645MW



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Exploded View		SCALE: 1:8
		SHEET 2 OF 3

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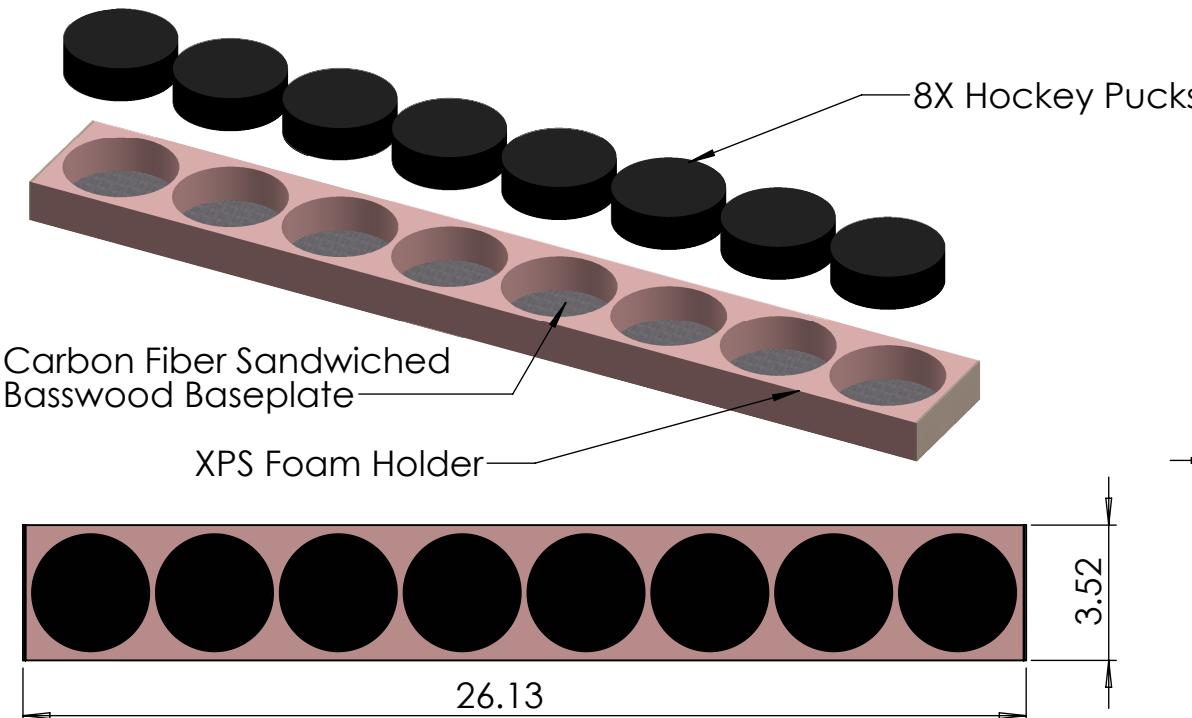
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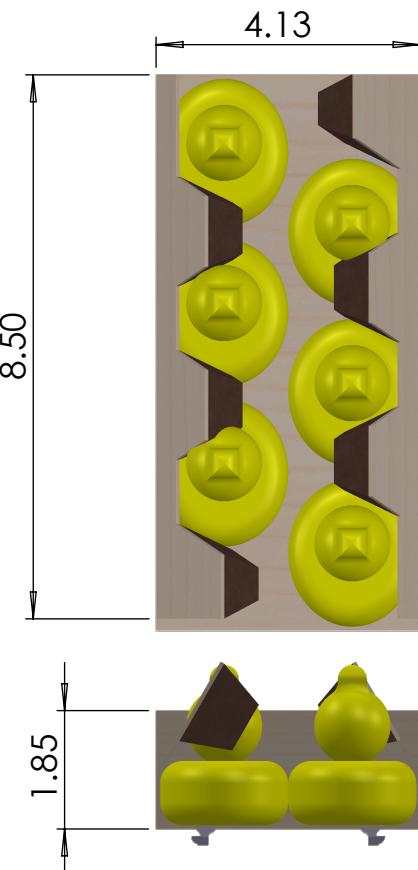
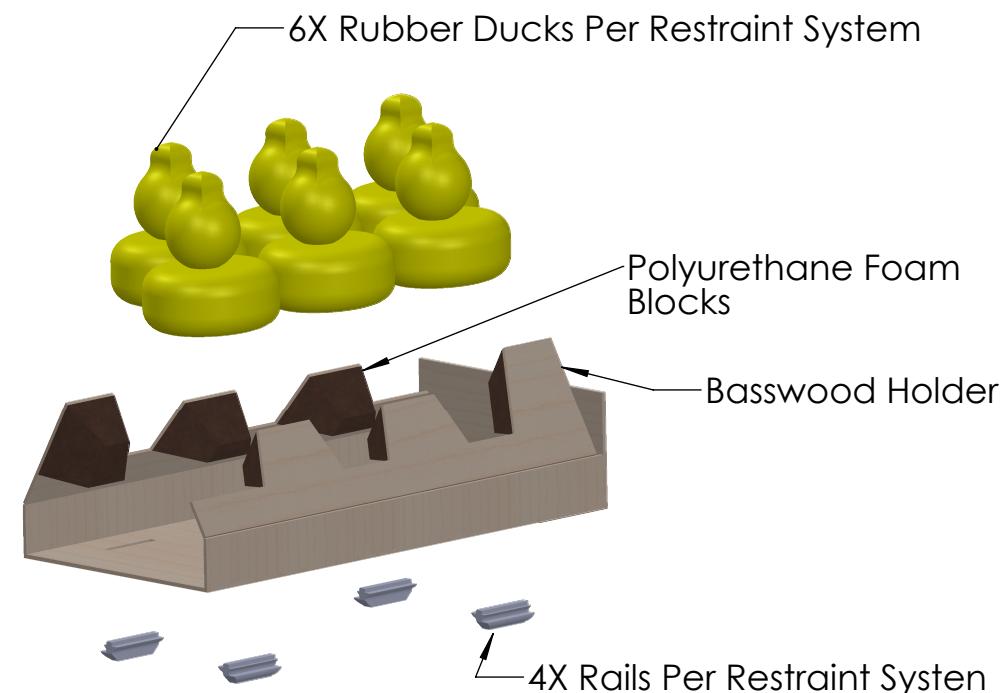
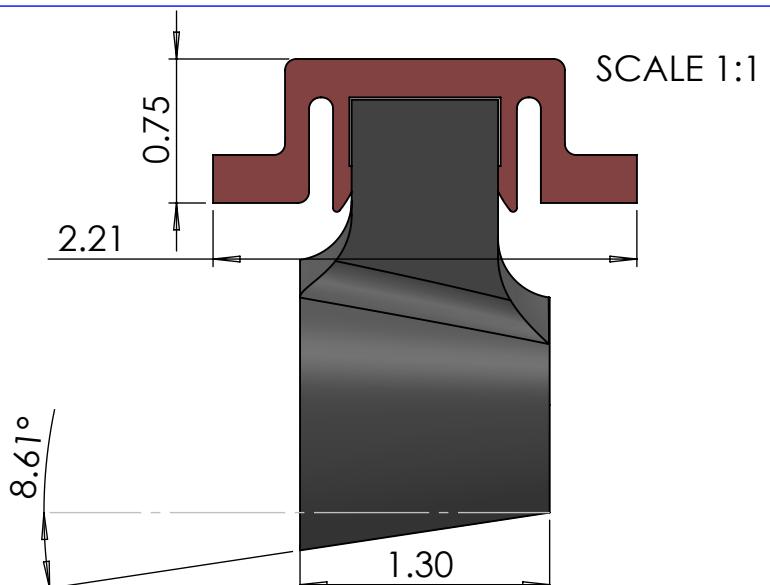
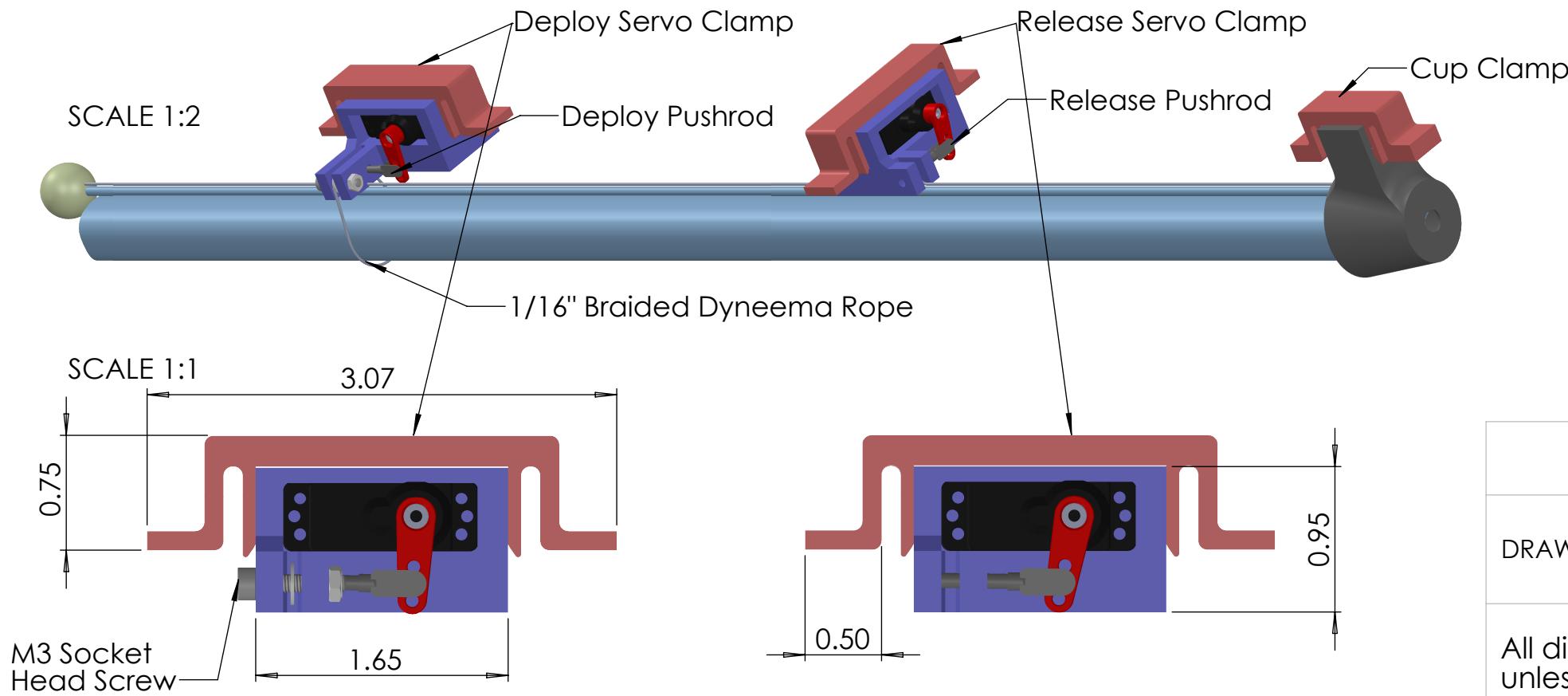
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CARGO RESTRAINT SYSTEM ASSEMBLY

SCALE 1:5

**PASSENGER RESTRAINT SYSTEM ASSEMBLY**

SCALE 1:3

**BANNER ASSEMBLY**

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REV

SHEET 3 OF 3

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