



Model : 20/2020



# Piper Cub J3

1300mm

## Specs :

1. Wingspan 1300 mm
2. Flying weight : 850 grams/ 30 oz
3. Wing loading : 34.3 g/dm<sup>2</sup> - 11.3 oz/sq.ft
4. Wing cube loading : 6.9
5. Wing Area : 24.8 dm<sup>2</sup> / 384 sq.in
6. CG : 6 cm from LE

## Electronics

- Motor 28/22 1000-1400kv (tested with DYS 2826 1000kv)
- Propeller : 10x6 - 8x6 (tested with 10x6)
- ESC minimum 20A (tested with Aerostar 50A)
- Battery Lipo 3S 2200mah/ Li-ion 3S 3000mah (tested with both)
- 4 plastic gear 9 gram servos
- 20 & 50 mm foam wheel

## Materials :

1. 5 mm Depron/ Polyfoam
2. 3 mm Plywood
3. Hot glue, CA glue, Foam safe glue
4. 3 mm, 2.5 mm bicycle wheel spoke wire
5. 1.5 mm wire pushrod
6. white packing tape
7. Zipties (small)
8. 0.3, 0.5 mm Mica plastic

## Build Instructions :

1. [paper-replika.com](http://paper-replika.com)
2. youtube channel : Julius Perdana

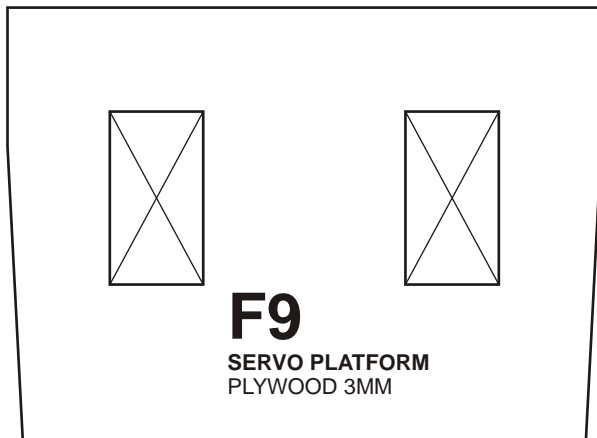


**F1**  
FUSELAGE  
POLYFOAM/  
DEPRON 5MM

**F2**  
FUSELAGE  
POLYFOAM/  
DEPRON 5MM

JOIN HERE

JOIN HERE



**F9**  
SERVO PLATFORM  
PLYWOOD 3MM

W13	W13	W13	W13
W14		W14	
W14		W14	

JOIN HERE

JOIN HERE

F1

F2

JOIN HERE

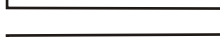
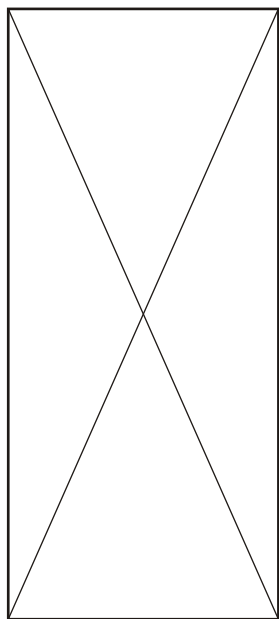
JOIN HERE

JOIN HERE

JOIN HERE

F1

F2



JOIN HERE

**F3**

FUSELAGE  
POLYFOAM/  
DEPRON 5MM

**F10**

FUSELAGE  
POLYFOAM/  
DEPRON 5MM

**F12**

SERVO PLATFORM  
POLYFOAM/  
DEPRON 5MM

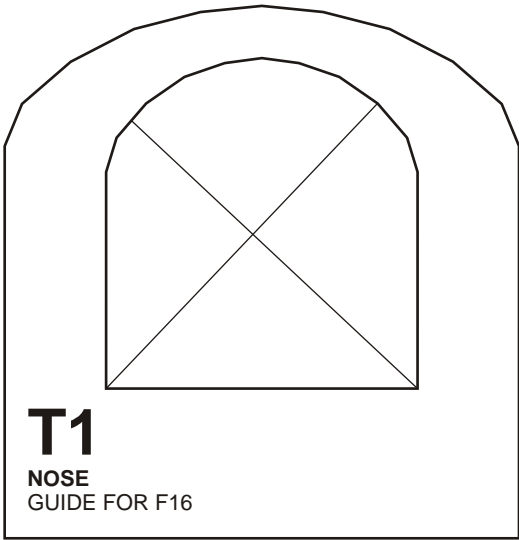
JOIN HERE

**F11**

SERVO PLATFORM  
POLYFOAM/  
DEPRON 5MM

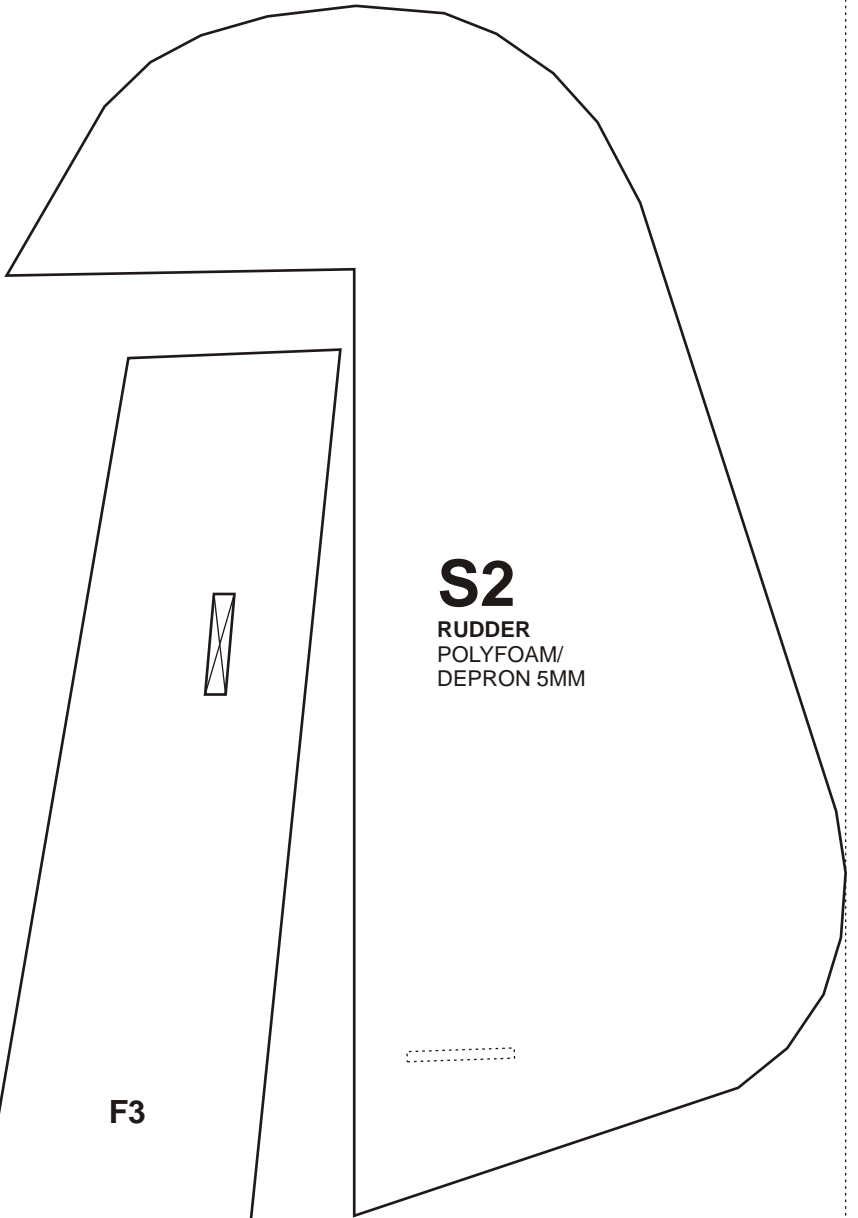
**F3**

JOIN HERE



**T1**

NOSE  
GUIDE FOR F16



**S2**

RUDDER  
POLYFOAM/  
DEPRON 5MM

**F3**

JOIN HERE

**F4/F5**

FUSELAGE  
POLYFOAM/ DEPRON

**F6**

FUSELAGE  
POLYFOAM/  
DEPRON

**F16**

NOSE  
POLYFOAM/  
DEPRON 5MM  
4X

**F7**

FUSELAGE  
POLYFOAM/  
DEPRON

JOIN HERE

JOIN HERE



JOIN HERE

F6

JOIN HERE

F4/F5

**F15**

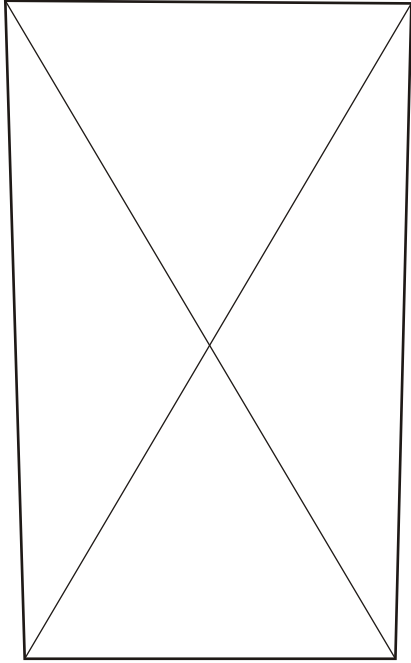
COCKPIT  
POLYFOAM/ +  
DEPRON 5MM

**F15**

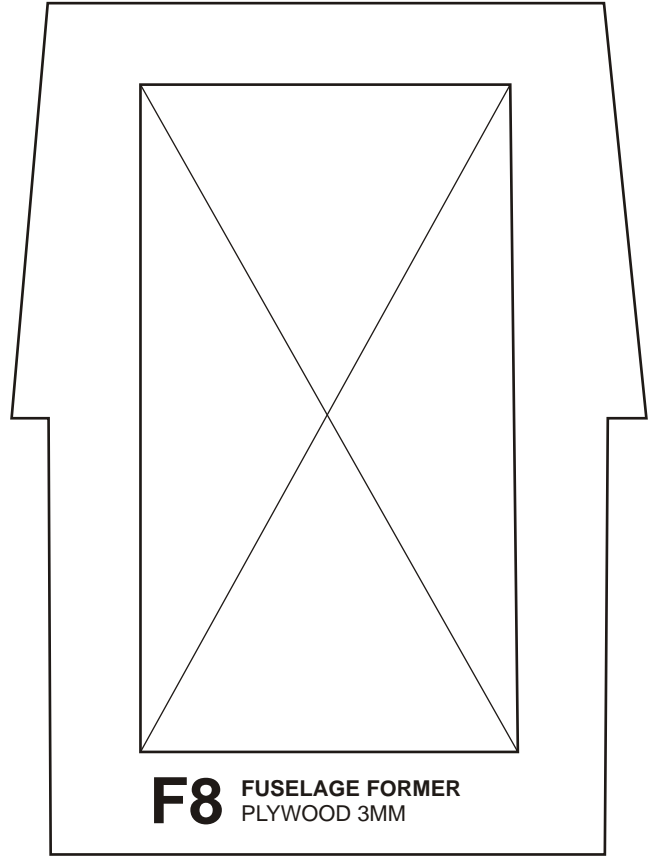
NOSE  
POLYFOAM/ +  
DEPRON 5MM

**F17**

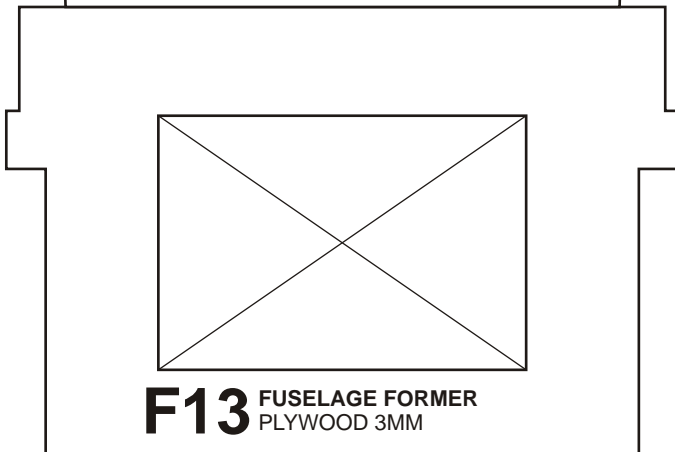
FUSELAGE FORMER  
PLYWOOD 3MM



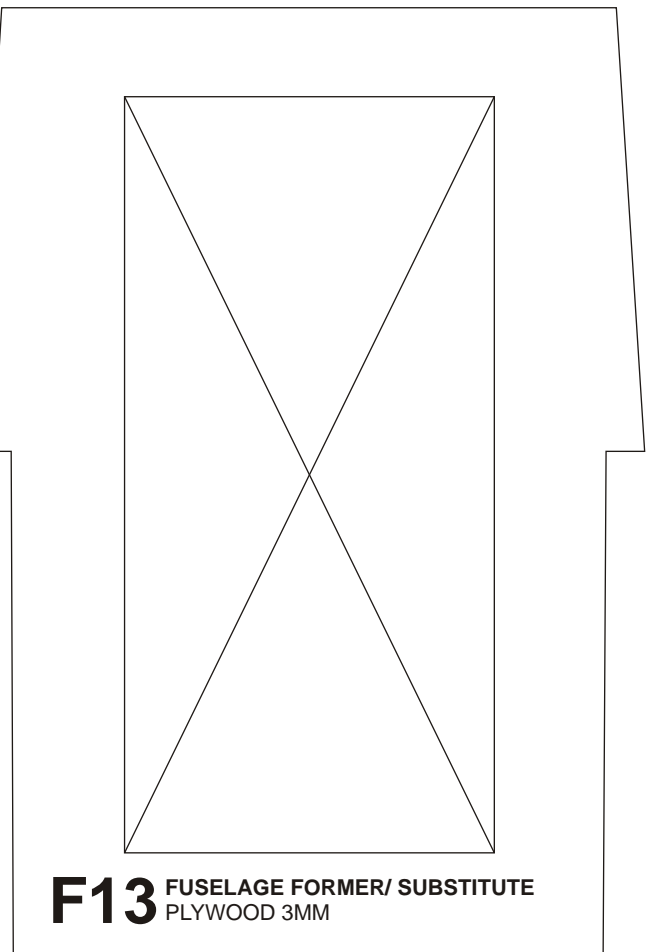
**F8** FUSELAGE FORMER  
PLYWOOD 3MM

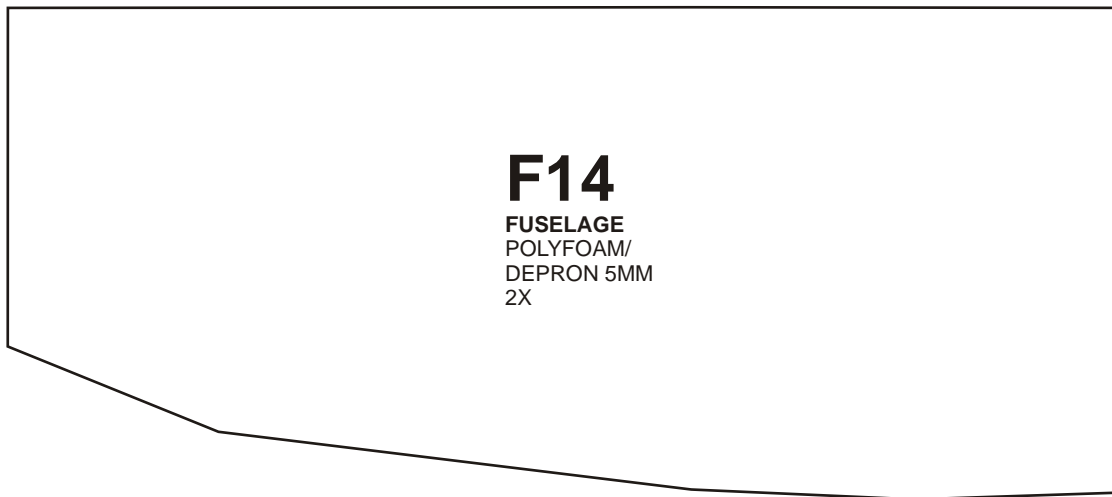
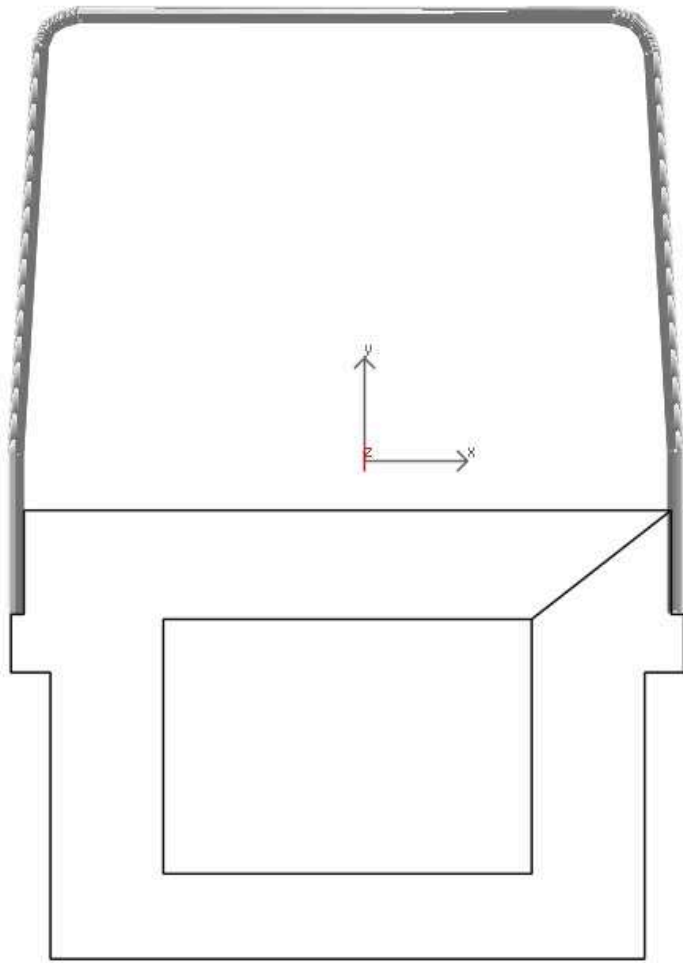


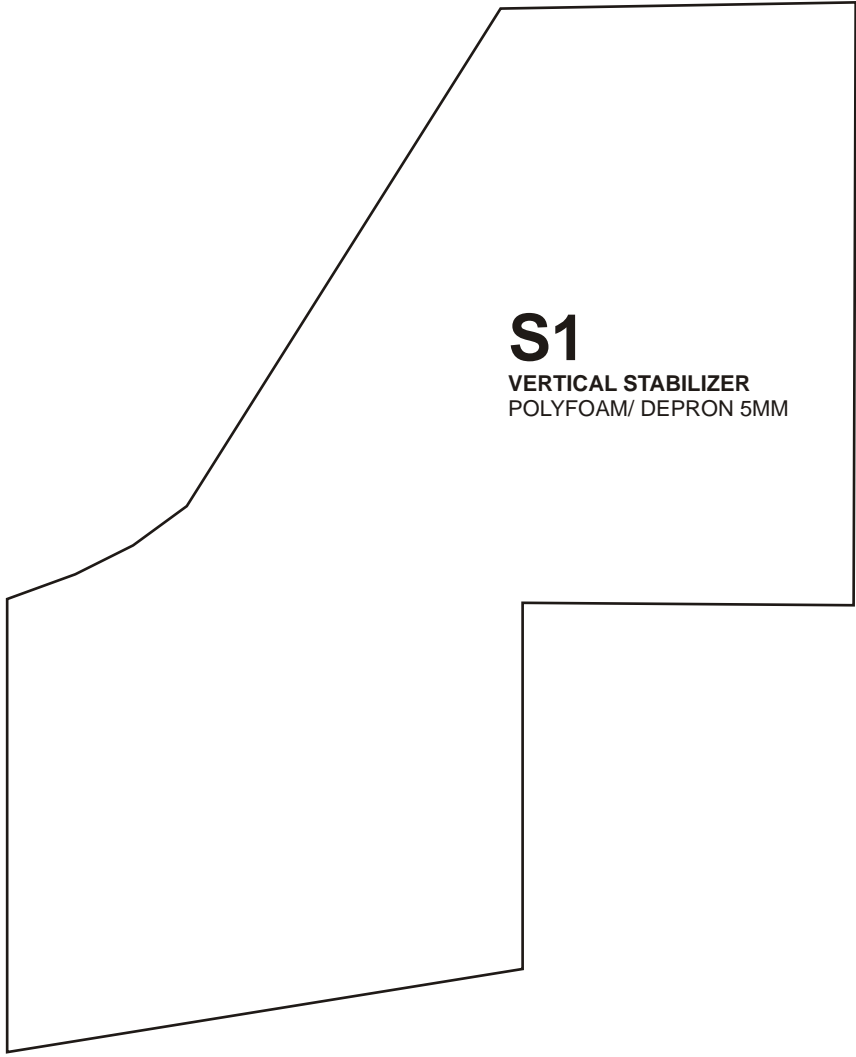
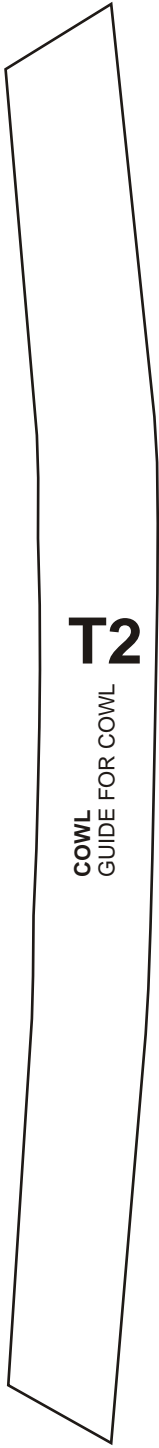
**F13** FUSELAGE FORMER  
PLYWOOD 3MM



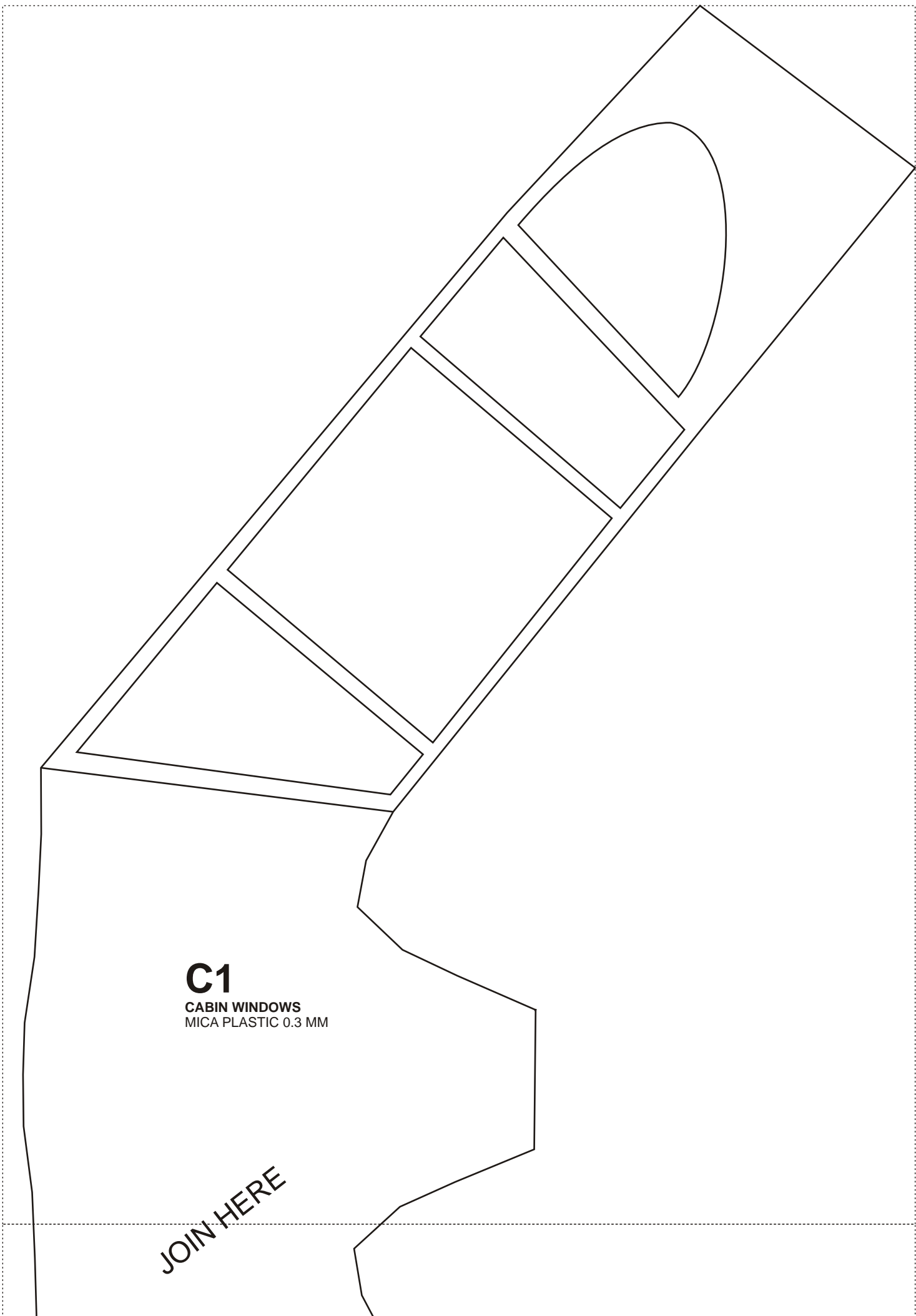
**F13** FUSELAGE FORMER/ SUBSTITUTE  
PLYWOOD 3MM











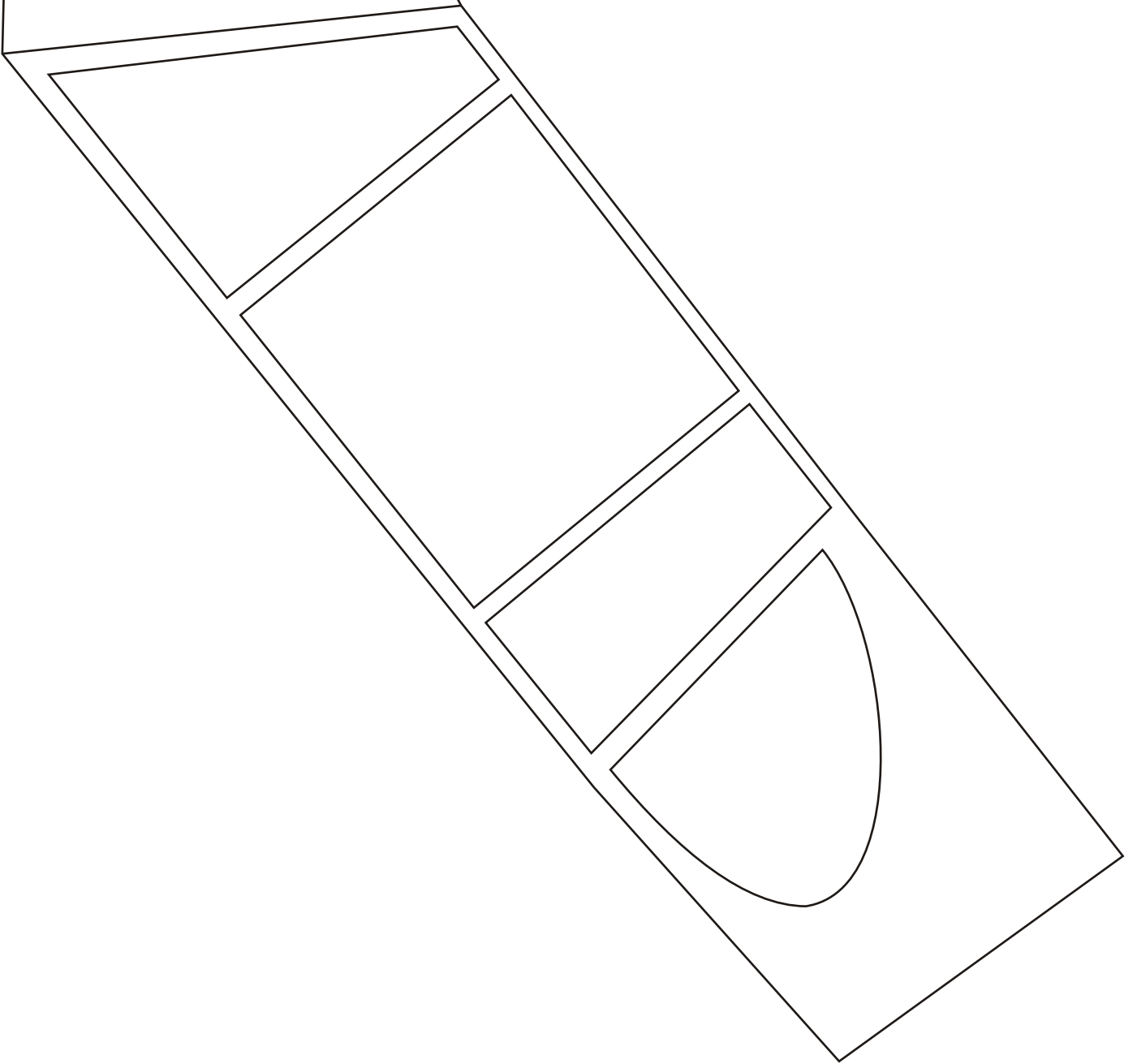
**C1**

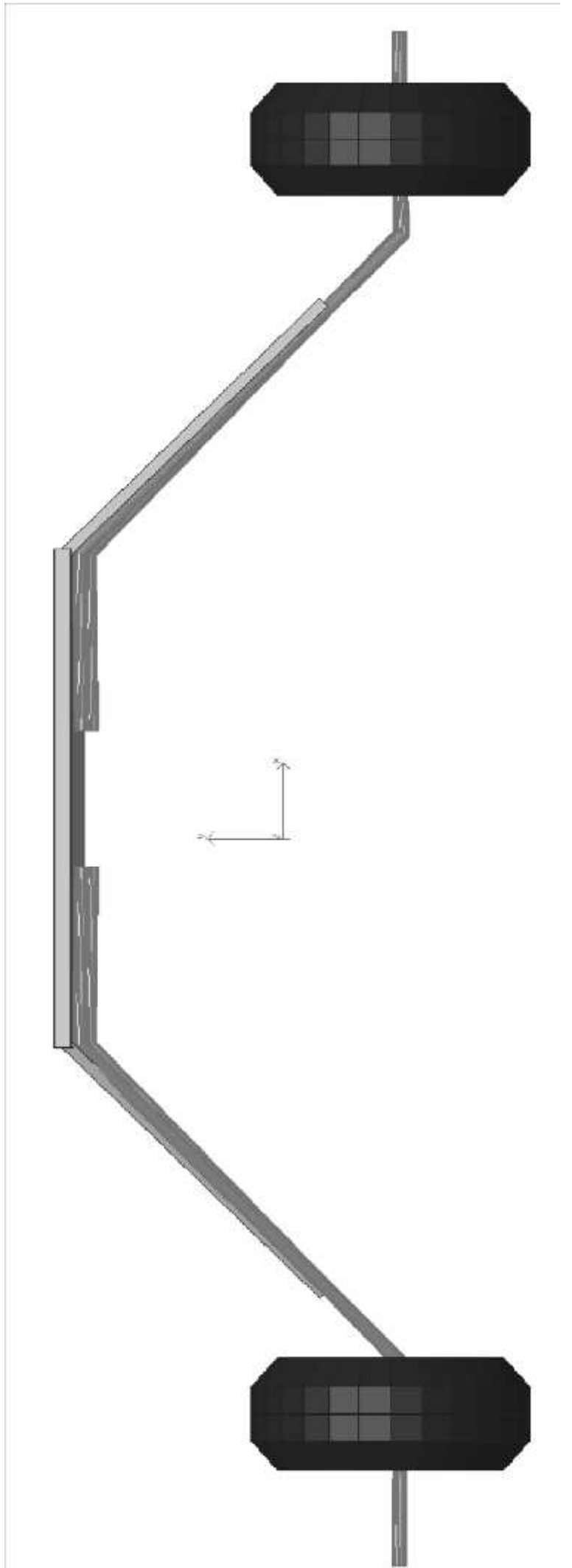
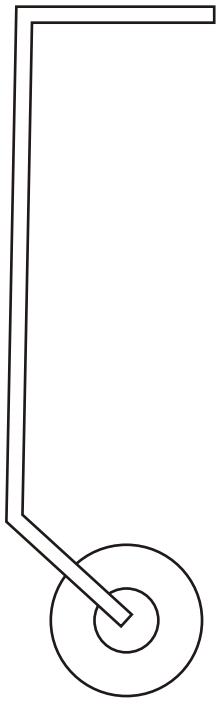
CABIN WINDOWS  
MICA PLASTIC 0.3 MM

JOIN HERE

JOIN HERE

C1









**S3**

HORIZONTAL STABILIZER  
POLYFOAM/  
DEPRON 5MM

**S4**

ELEVATOR  
POLYFOAM/  
DEPRON 5MM  
2X

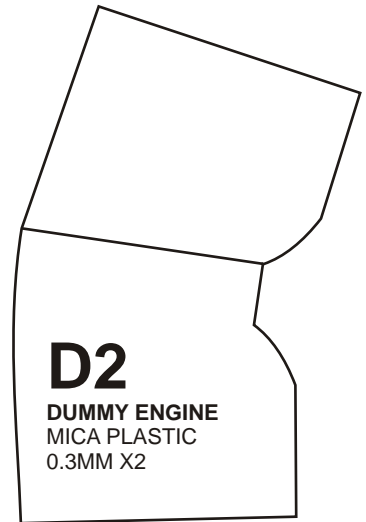
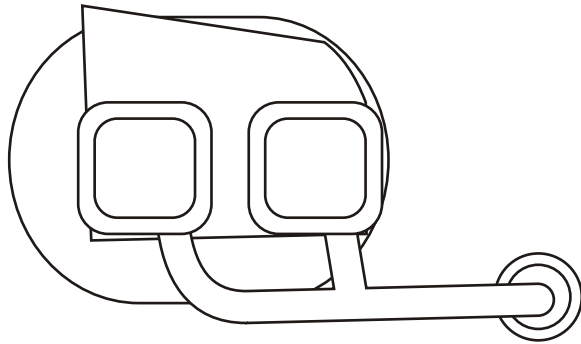
**T3**

HORIZONTAL STAB  
GUIDE

JOIN HERE

JOIN HERE

S3

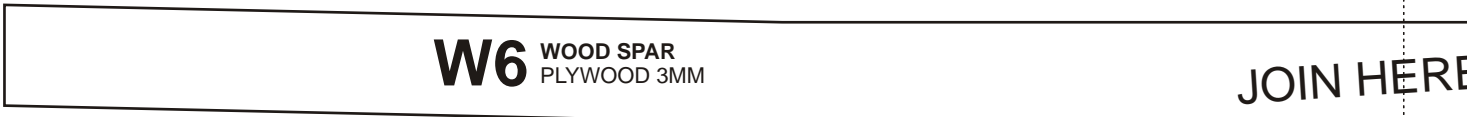
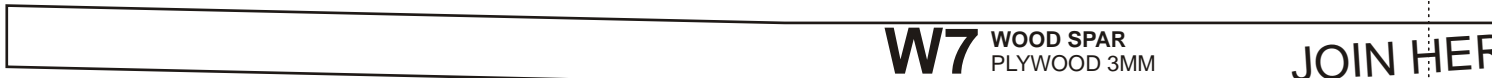
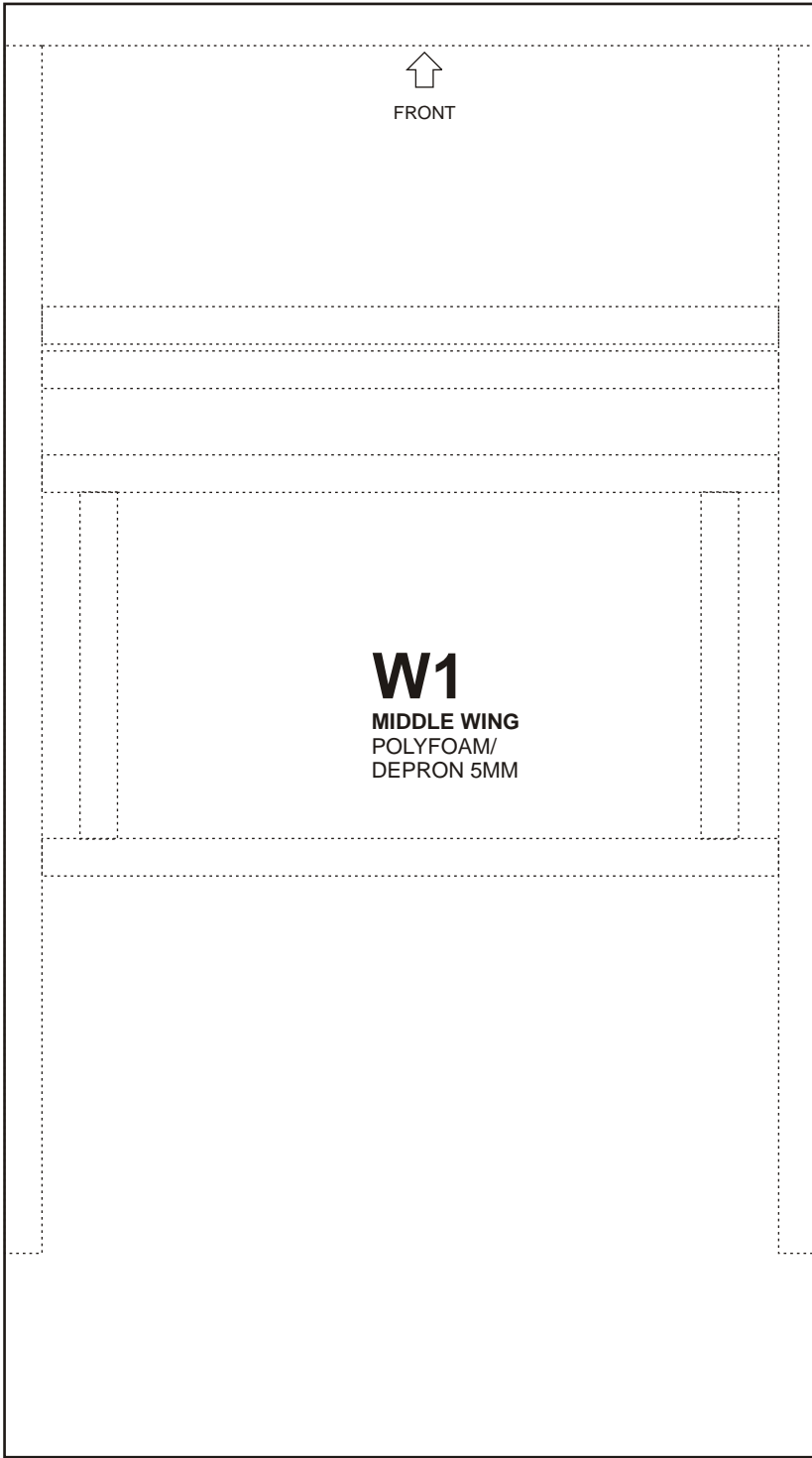


**D2**

**DUMMY ENGINE**  
MICA PLASTIC  
0.3MM X2

**D1**

**DUMMY ENGINE**  
EVA FOAM 10 MM 2X



↑  
FRONT



**W8**  
MIDDLE WING  
POLYFOAM/  
DEPRON 5MM



N HERE

W7

HERE

W6

**W9**

**WING BASE**  
POLYFOAM/  
DEPRON 5MM  
2X MIRRORED

JOIN HERE

FRONT



**W10**

**WING SPAR**  
POLYFOAM/ DEPRON 5MM  
2X MIRRORED

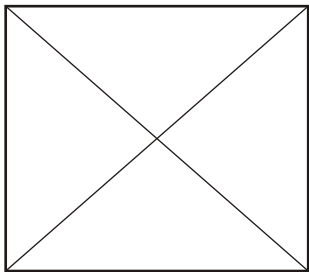
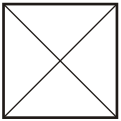
JOIN HERE

**W11**

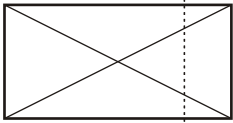
**WING SPAR**  
POLYFOAM/ DEPRON 5MM  
2X MIRRORED

JOIN HERE

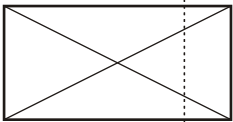
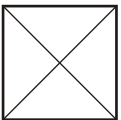
JOIN HERE



W9



JOIN HERE



JOIN HERE

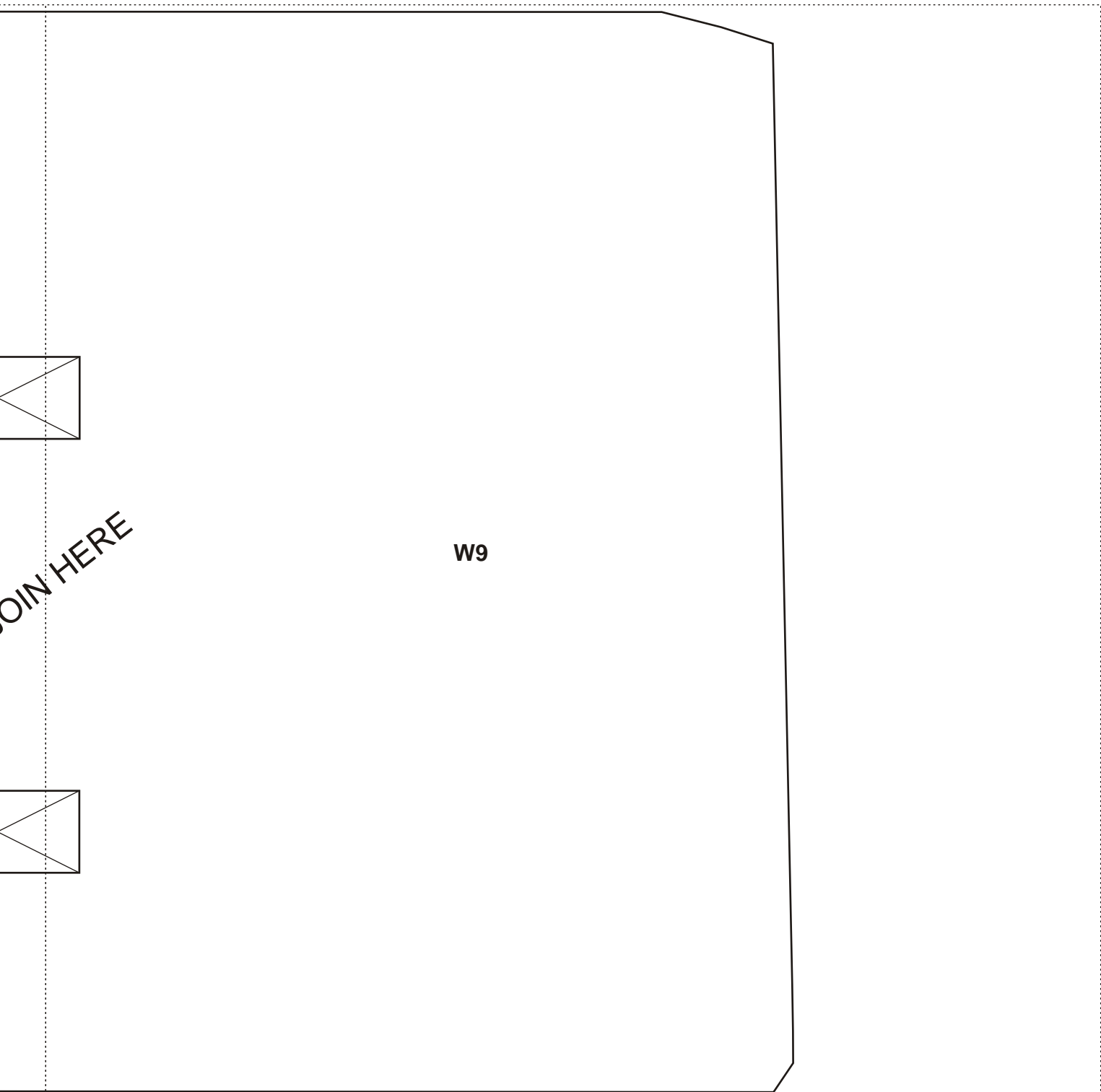
W10

JOIN HERE

JOIN HERE

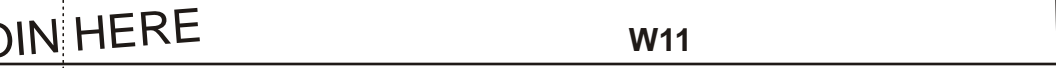
W11

JOIN HERE



JOIN HERE

W9



JOIN HERE

W10

JOIN HERE

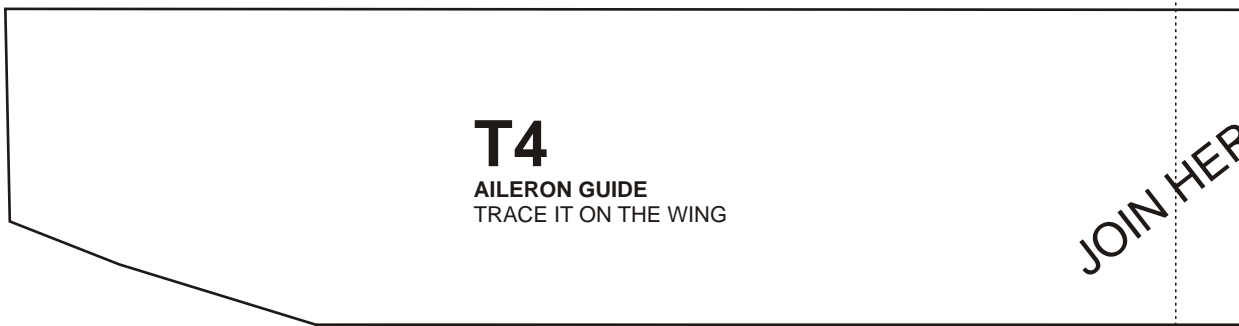
W11



**W12**

WING TOP  
POLYFOAM/ DEPRON 5MM

JOIN HERE



**T4**

AILERON GUIDE  
TRACE IT ON THE WING

JOIN HERE



JOIN HERE

W12

JOIN HERE

JOIN HERE

JOIN HERE

W12

JOIN HERE

JOIN HERE

W12

JOIN HERE

JOIN HERE

