



Model : 23/2021



Cessna 337 / O-2A Skymaster

1800mm

Specs :

1. Wingspan 1800mm / 70.8 inches
2. Flying weight : 2000 grams/ 70.5 oz
3. Wing loading : 42.8 gram/dm² - 14 oz/sq.ft.
4. Wing cube loading : 6.3
5. Wing Area : 46.74 dm² / 724 sq.in.
6. CG : 9 cm from LE

Electronics

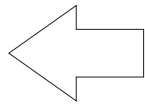
- 2X DXW 3536 1200kv Brushless motor
- 2X 50A ESC
- Battery Lipo 3S 2200mah 70C
- 1 metal gear 9 gram servos (micro servo)
- 3 9 gram servos (micro servo)

Materials :

1. 5mm Foamboard/ Depron/ Polyfoam
2. 3mm Plywood / PVC foam board
3. 0.5mm Mica Plastic
4. hot glue, UHU glue, CA glue
5. packing tape/ laminating film

Build Instructions :

1. paper-replika.com
2. youtube channel : Julius Perdana



FRONT

W1

CENTER WING - BASE
POLYFOAM/ DEPRON 5MM
2X MIRRORED

JOIN HERE

JOIN HERE

W1

W3

CENTER WING - FORMER
PLYWOOD 3MM
2X MIRRORED

W4

CENTER WING - FORMER
PLYWOOD 3MM
2X MIRRORED

W11

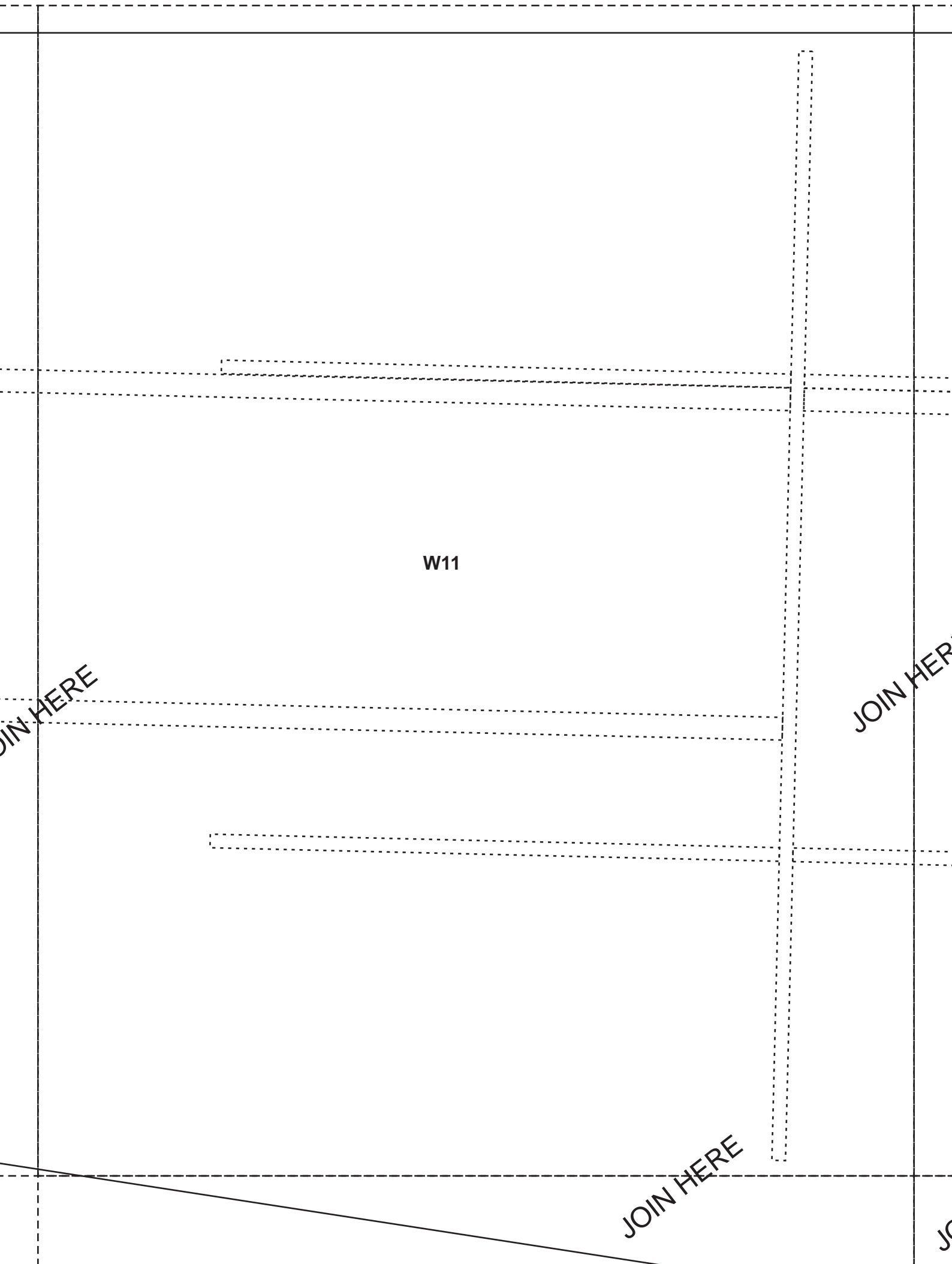
SIDE WING - BASE
POLYFOAM/ DEPRON 5MM
2X MIRRORED

JOIN HERE

W11

JOIN HERE

JOIN HERE



W11

JOIN HERE

JOIN HERE

JOIN HERE

JO

JOIN HERE

W11

B4

TAIL BOOM HARD POINT
PLYWOOD 3MM
2X MIRRORED



W10

CENTER WING - FORMER
PLYWOOD 3MM
2X MIRRORED



W7

CENTER WING - FORMER
PLYWOOD 3MM
2X MIRRORED



W8

CENTER WING - FORMER
PLYWOOD 3MM
2X MIRRORED

W9

CENTER WING - FORMER
PLYWOOD 3MM
2X MIRRORED

JOIN HERE

JOIN HERE

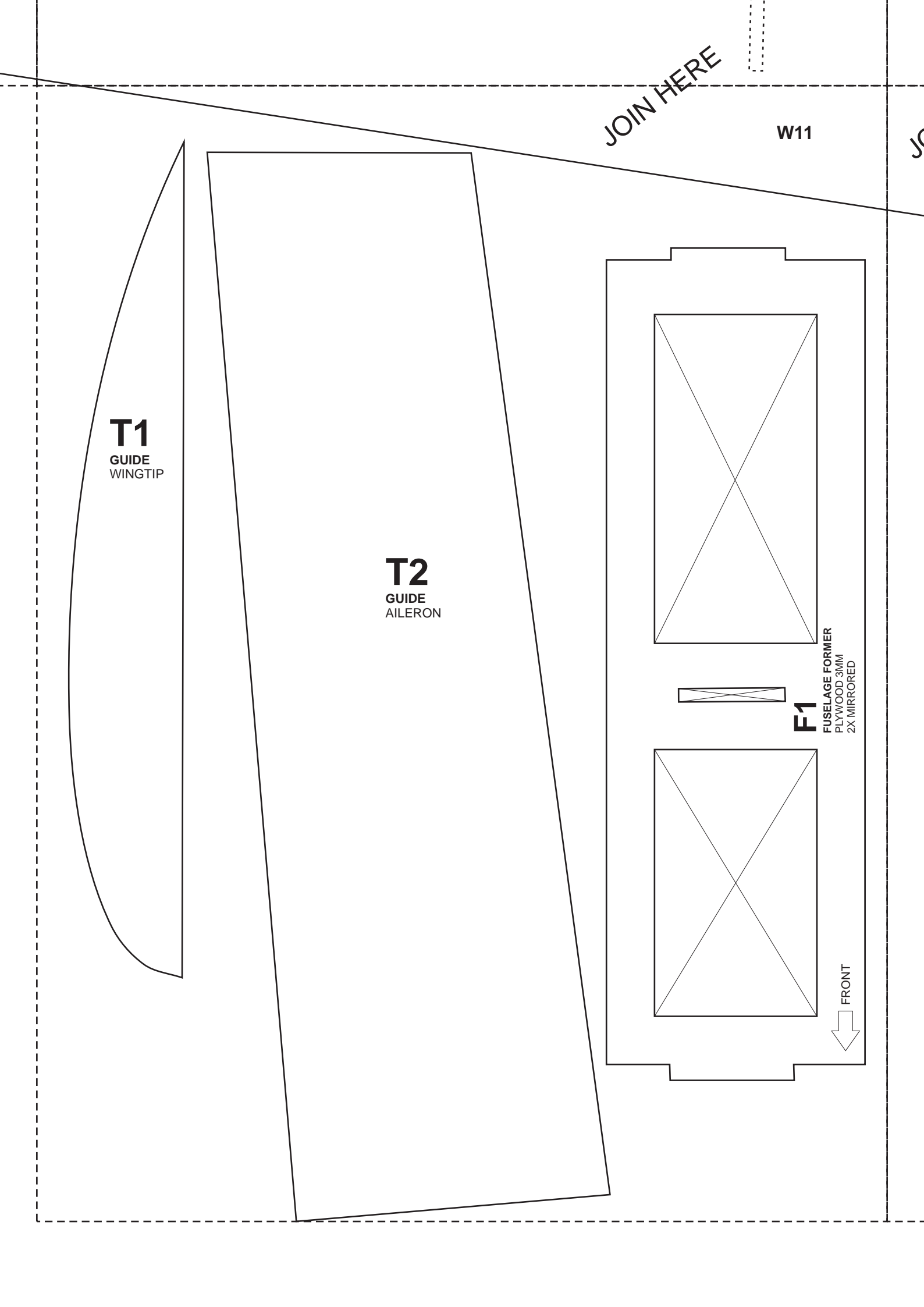
W11

T1
GUIDE
WINGTIP

T2
GUIDE
AILERON

F1
FUSELAGE FORMER
PLYWOOD 3MM
2X MIRRORED

FRONT
↓



JOIN HERE

W11

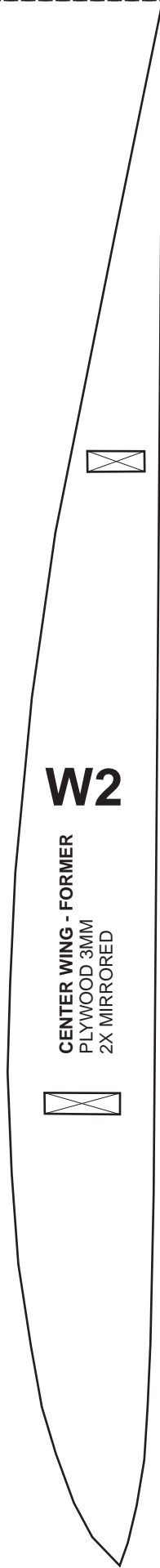
W5

CENTER WING - FORMER
PLYWOOD 3MM
2X MIRRORED



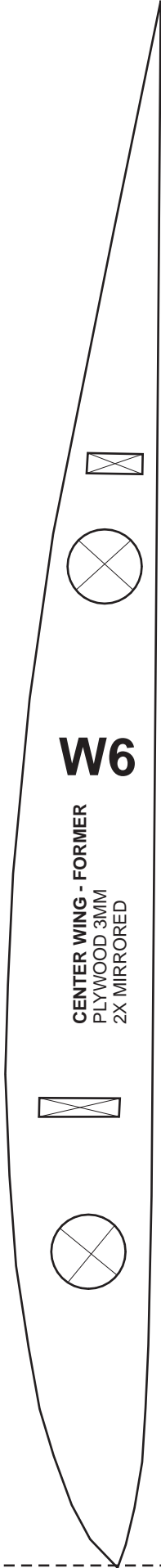
W2

CENTER WING - FORMER
PLYWOOD 3MM
2X MIRRORED



W6

CENTER WING - FORMER
PLYWOOD 3MM
2X MIRRORED



G1

LANDING GEAR BASE
PLYWOOD 3MM
3X



W12

CENTER WING - SPAR
POLYFOAM/ DEPRON 5MM
2X MIRRORED

JOIN HERE

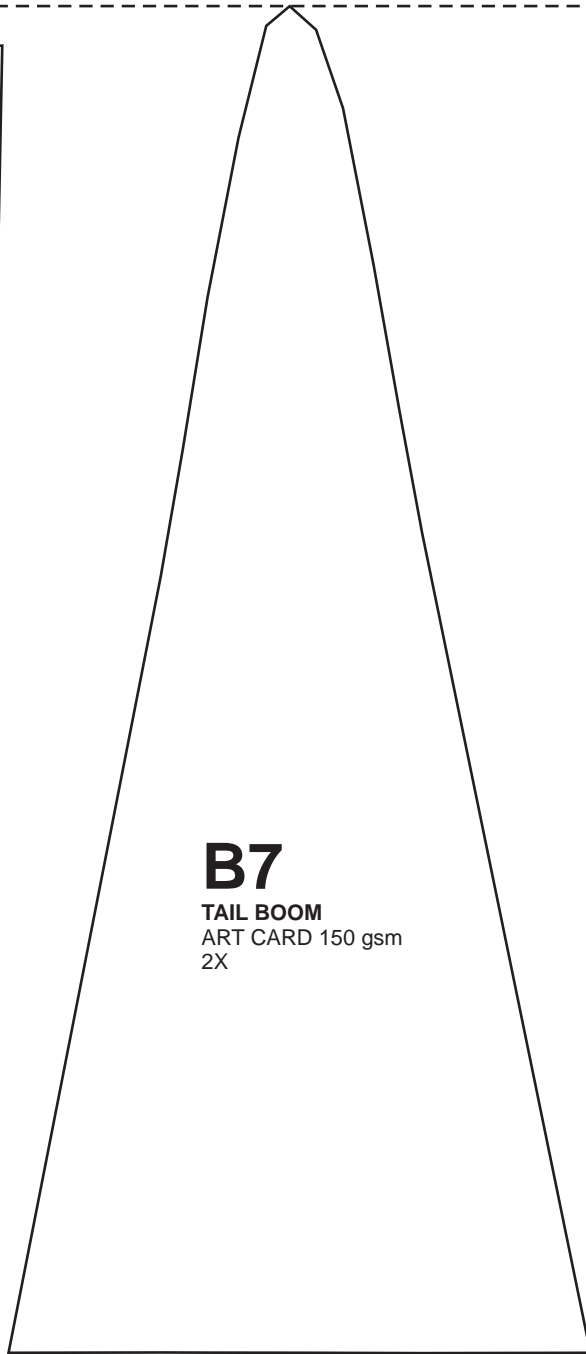
W13

CENTER WING - SPAR
POLYFOAM/ DEPRON 5MM
2X MIRRORED

JOIN HERE

B7

TAIL BOOM
ART CARD 150 gsm
2X



JOIN HERE

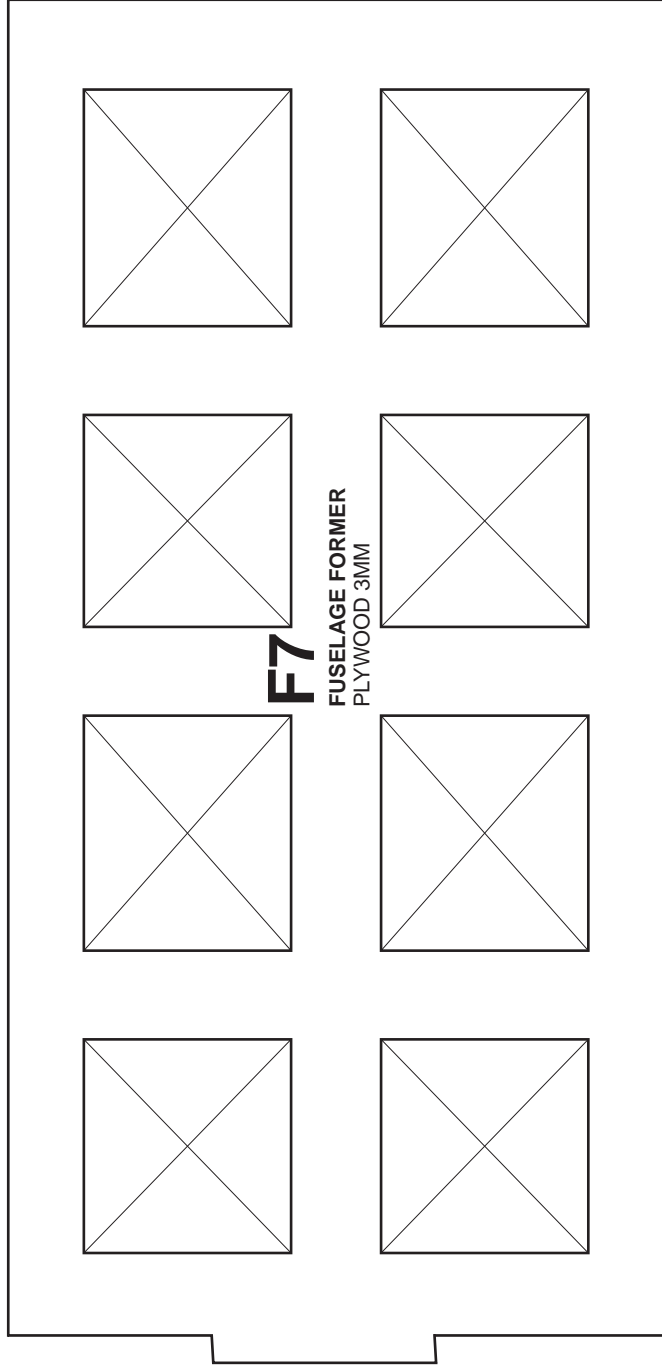
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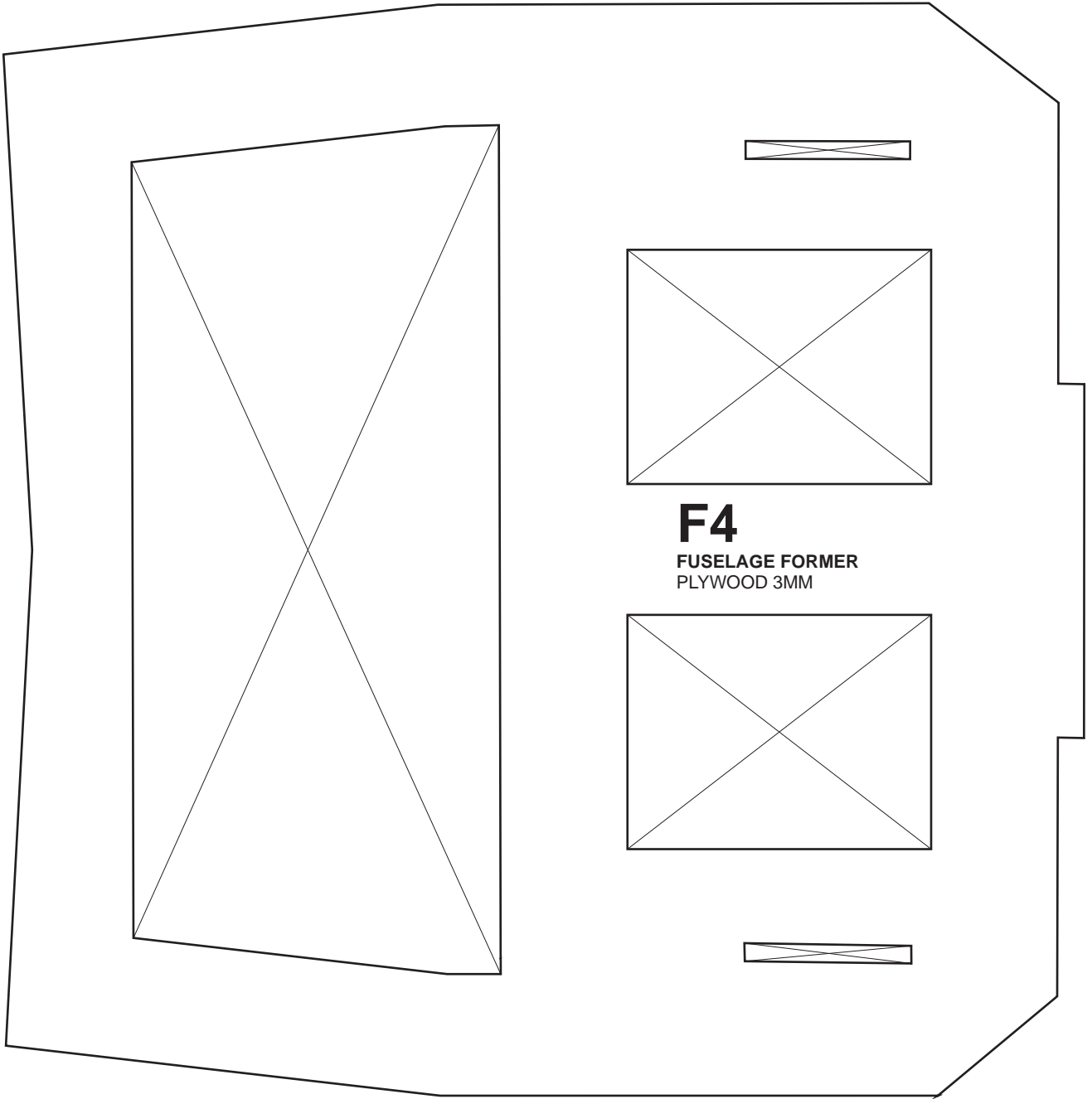
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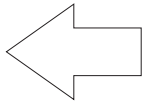
JOIN HERE
W12

JOIN HERE
W13



F4

FUSELAGE FORMER
PLYWOOD 3MM



FRONT

W14

CENTER WING - TOP
POLYFOAM/ DEPRON 5MM
2X MIRRORED

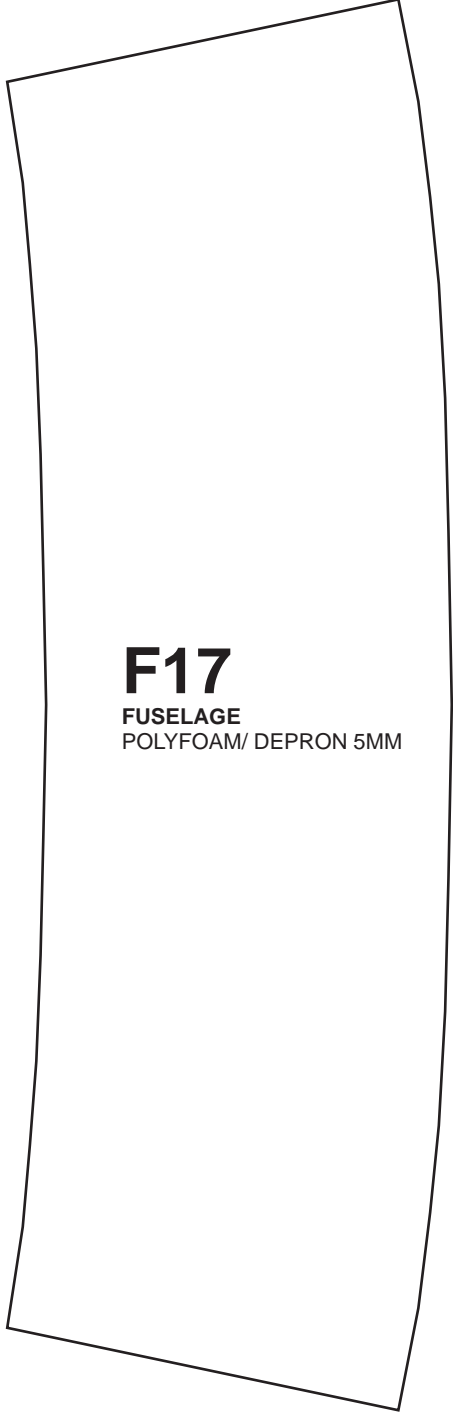
JOIN HERE

HERE

W14

F17

FUSELAGE
POLYFOAM/ DEPRON 5MM





W15

SIDE WING - TOP
POLYFOAM/ DEPRON 5MM
2X MIRRORED

JOIN HERE

JOIN HERE

JOIN HERE

W15

JOIN HERE

F24
FUSELAGE
POLYFOAM/ DEPRON 5MM



JOIN HERE

W15

JOIN HERE

JOIN HERE

JOIN HERE

JOIN HERE

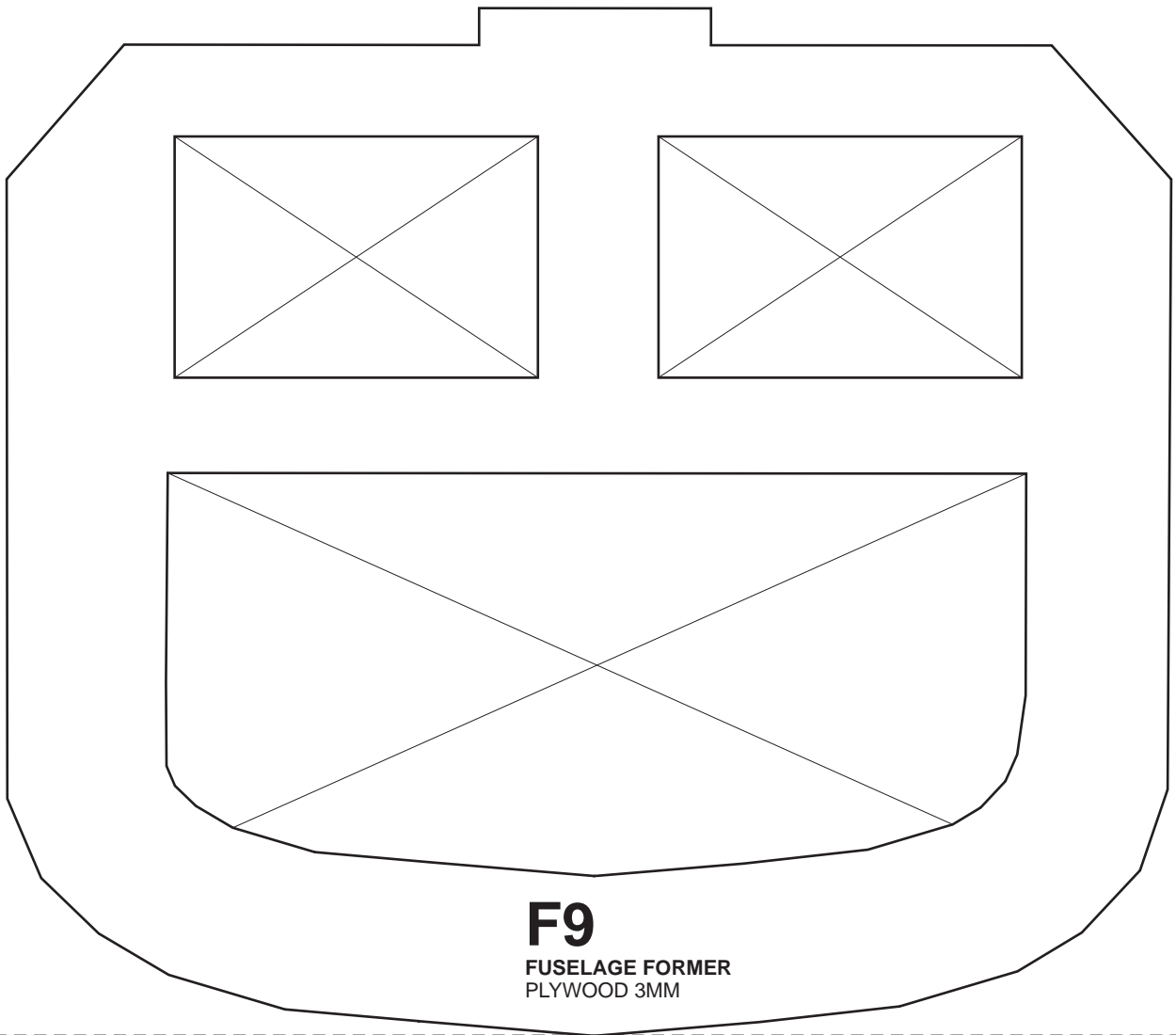
W15

JOIN HERE

JOIN HERE

JOIN HERE

W15



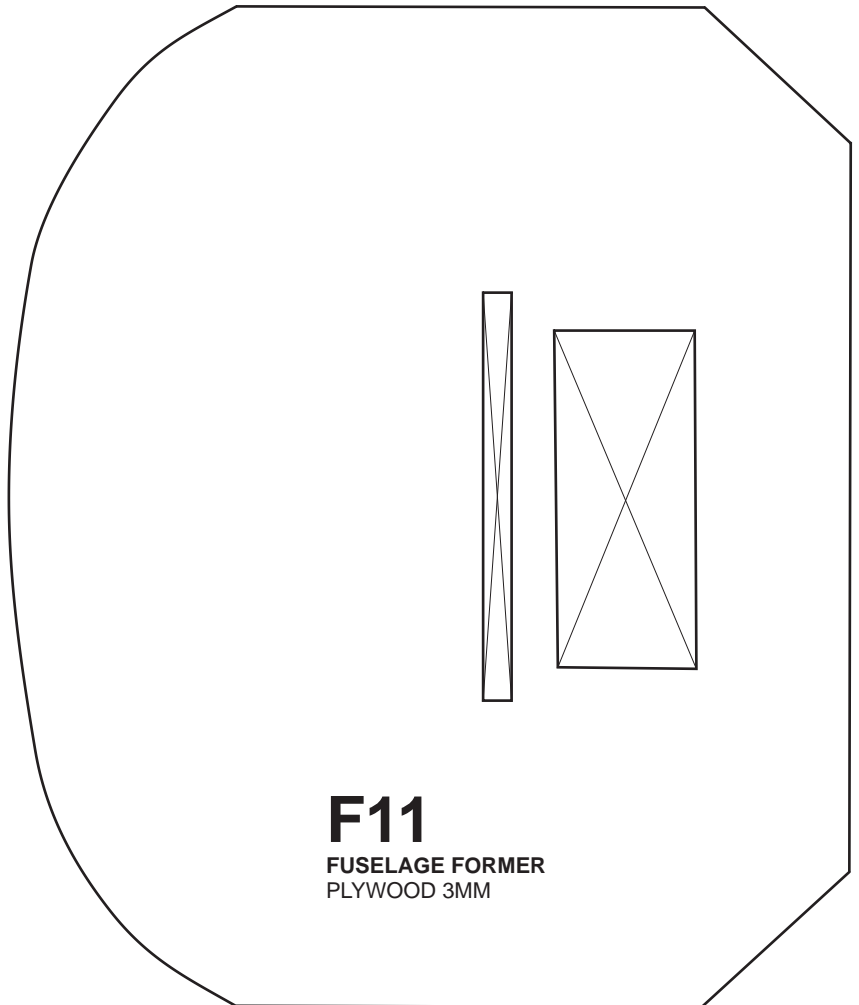
F9

FUSELAGE FORMER
PLYWOOD 3MM

JOIN HERE

JOIN HERE

W15



F11

FUSELAGE FORMER
PLYWOOD 3MM

B1

JOIN HERE

B3

JOIN HERE

B2

JOIN HERE

JOIN HERE

B1

JOIN HERE

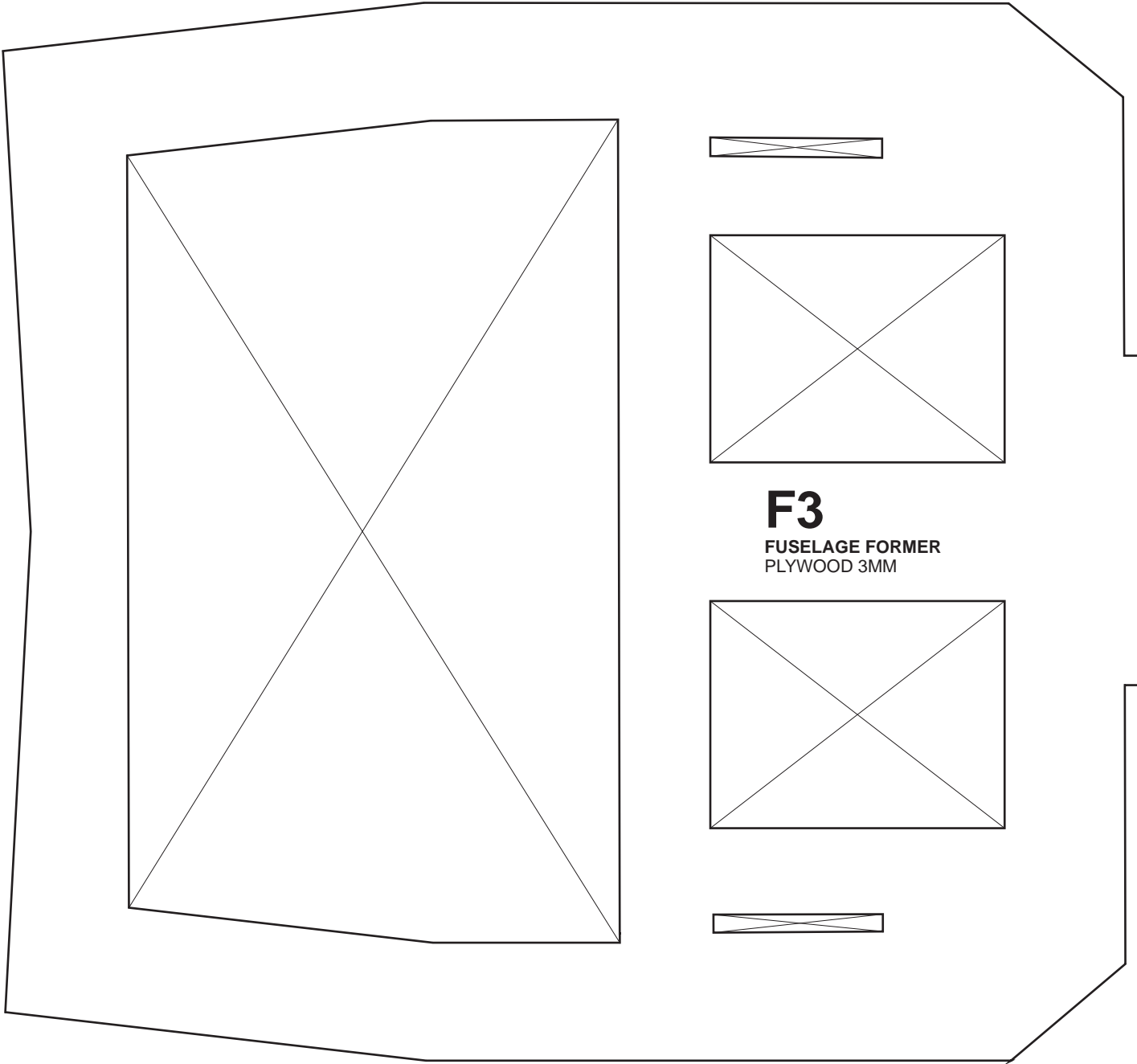
B3

JOIN HERE

UP



B2



F3

FUSELAGE FORMER
PLYWOOD 3MM

JOIN HERE

B1

TAIL BOOM
POLYFOAM/ DEPRON 5MM
2X MIRRORED

JOIN HERE

JOIN HERE

B3

TAIL BOOM
POLYFOAM/ DEPRON 5MM
4X MIRRORED

JOIN HERE

JOIN HERE

B2

TAIL BOOM
POLYFOAM/ DEPRON 5MM
4X MIRRORED

JOIN HERE

B5

TAIL BOOM - FORMER
PLYWOOD 3MM
2X MIRRORED

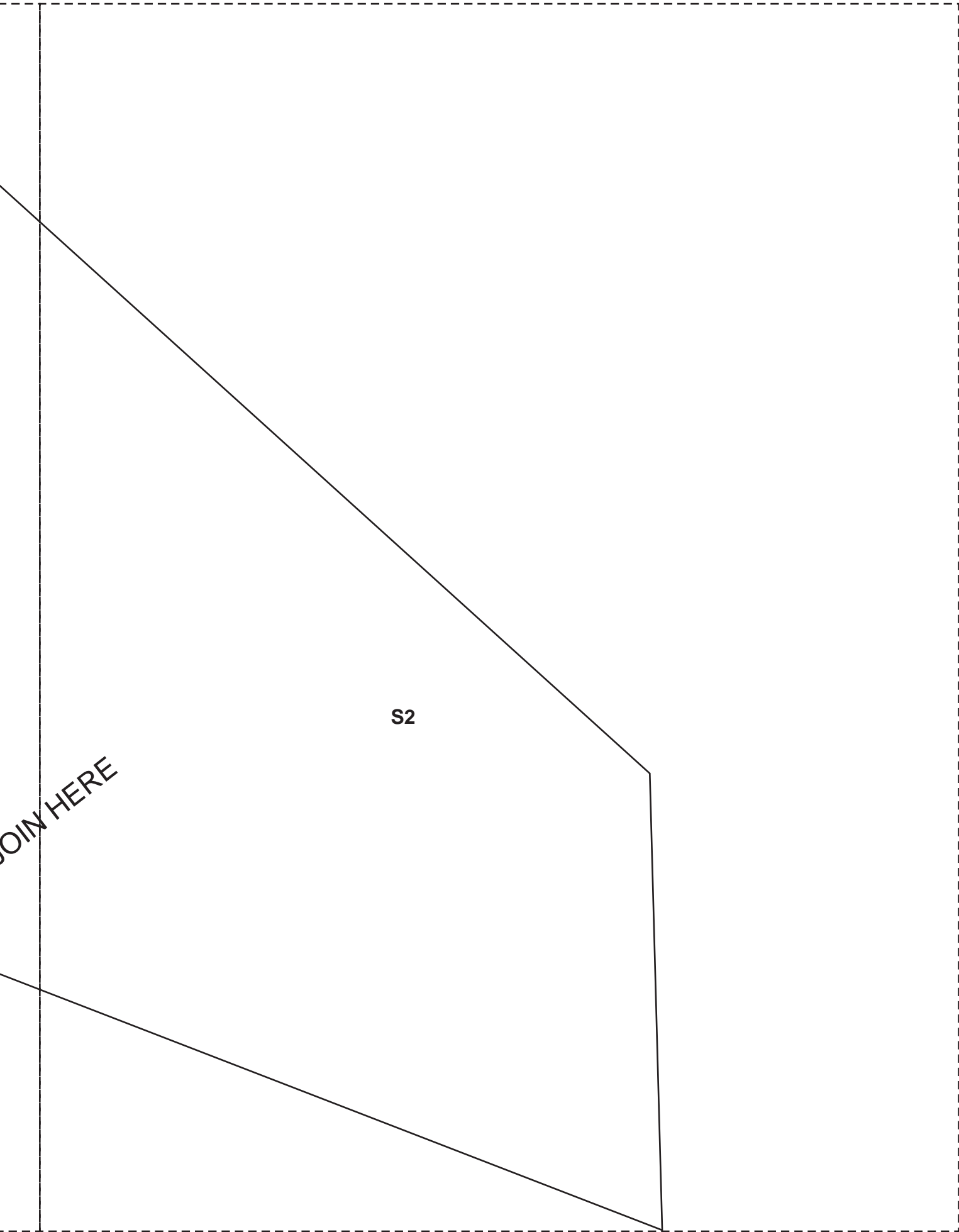
B6

TAIL BOOM - FORMER
POLYFOAM 5MM
2X

S2

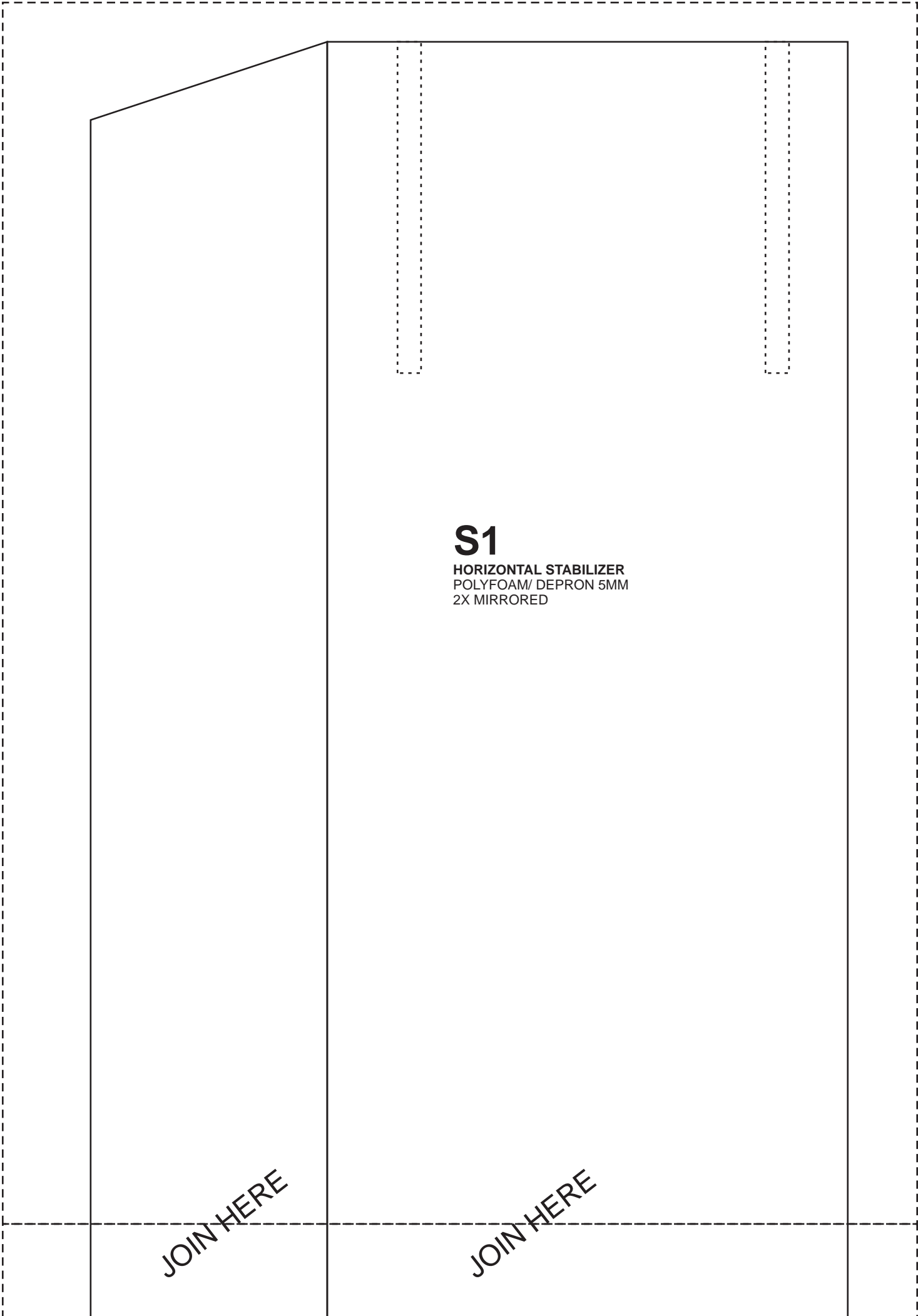
VERTICAL STABILIZER
POLYFOAM/ DEPRON 5MM
2X MIRRORED

JOIN HERE



S2

JOIN HERE



S1

HORIZONTAL STABILIZER
POLYFOAM/ DEPRON 5MM
2X MIRRORED

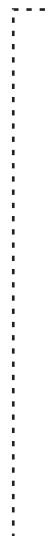
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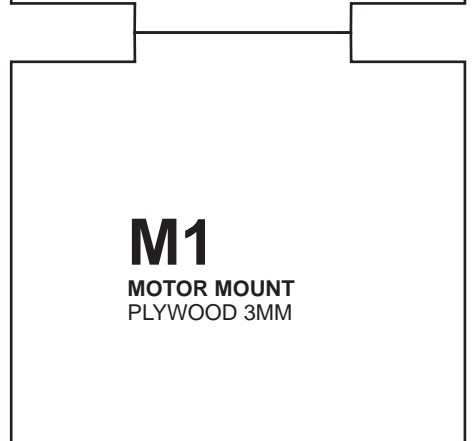
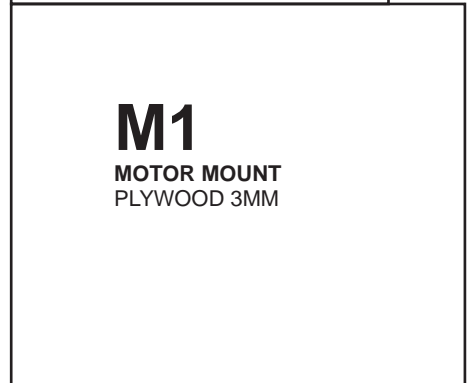
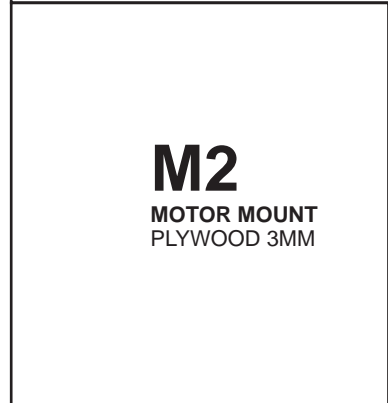
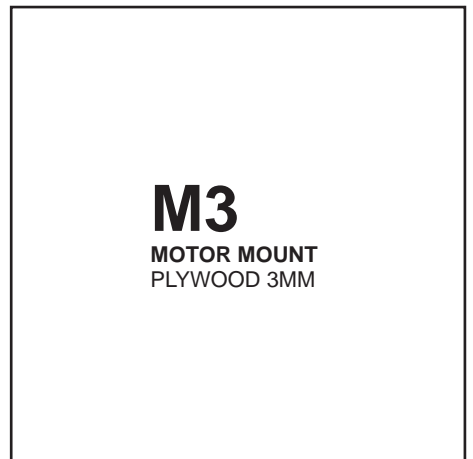
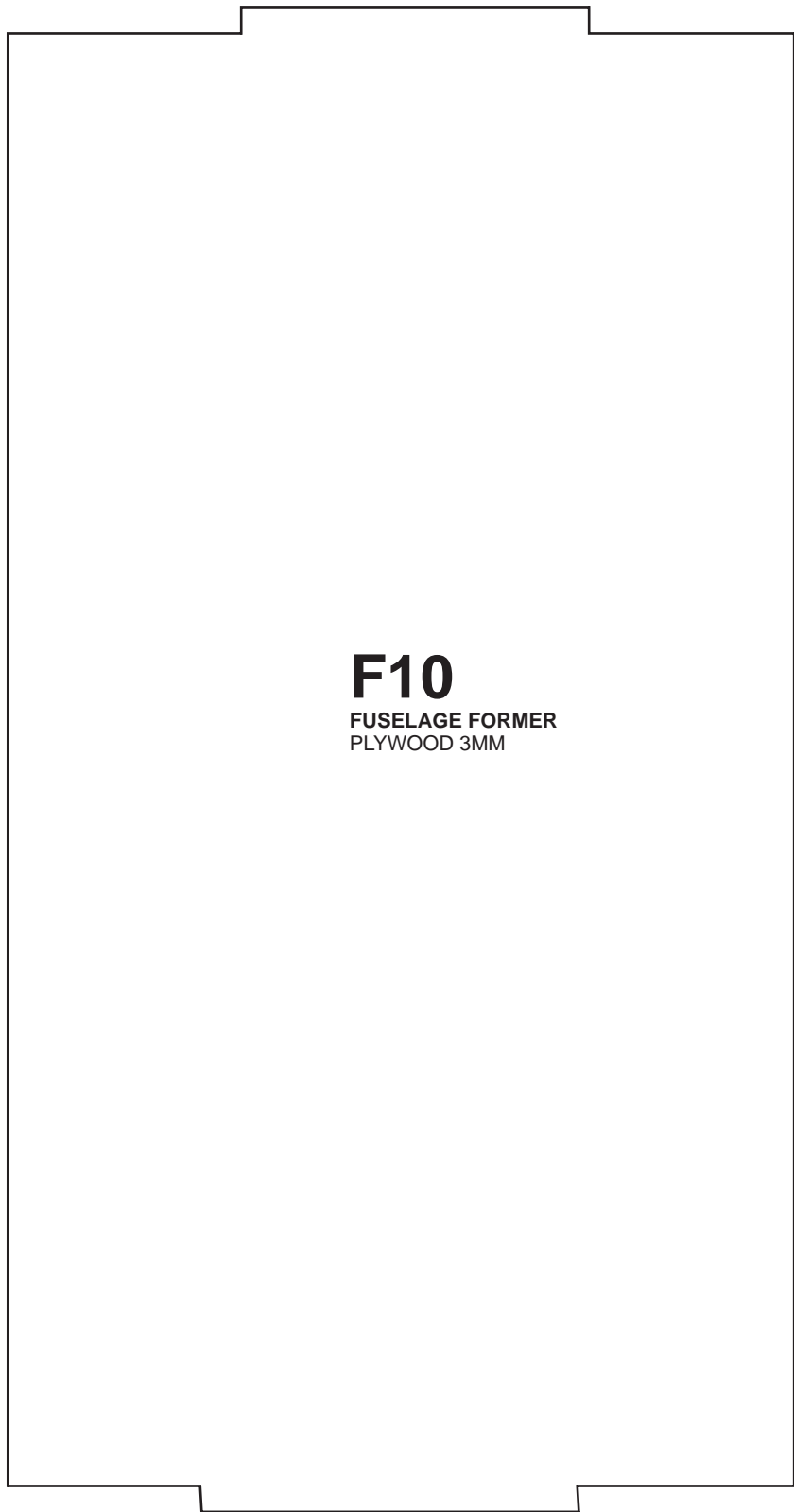
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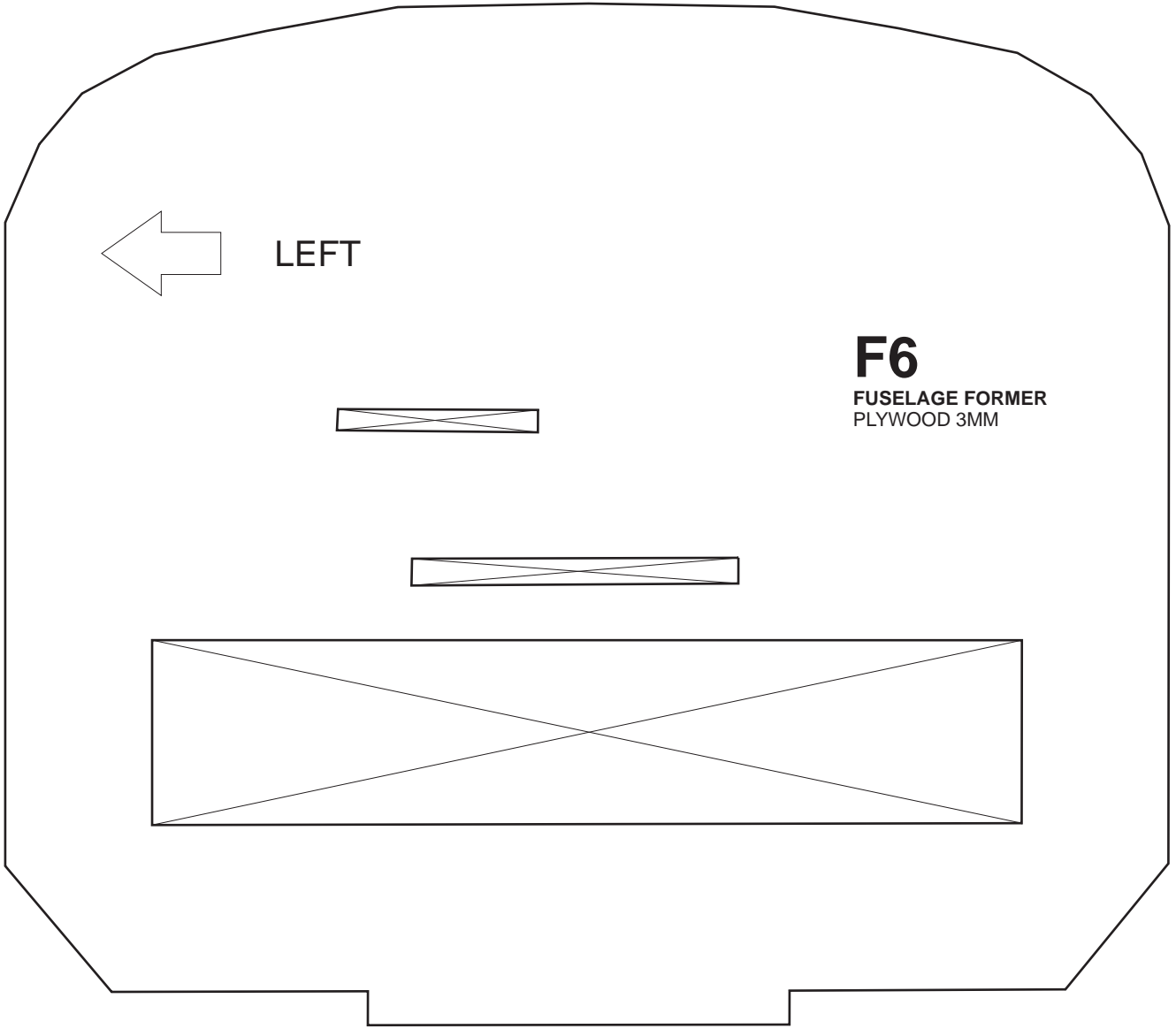
JOIN HERE

JOIN HERE

S1

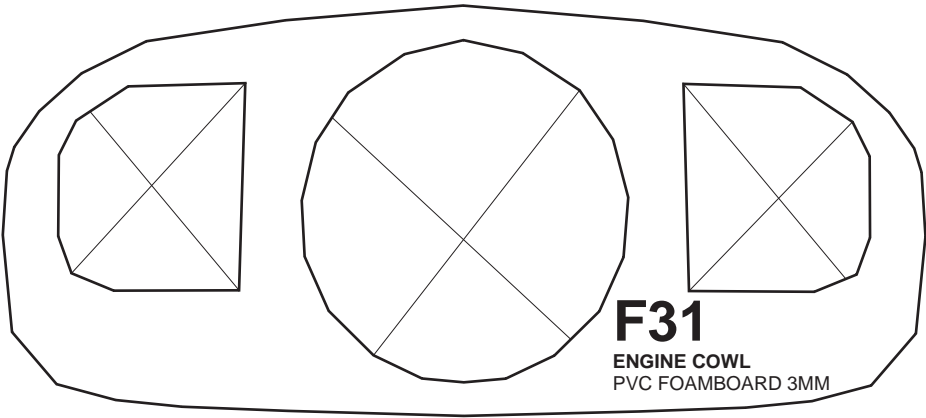




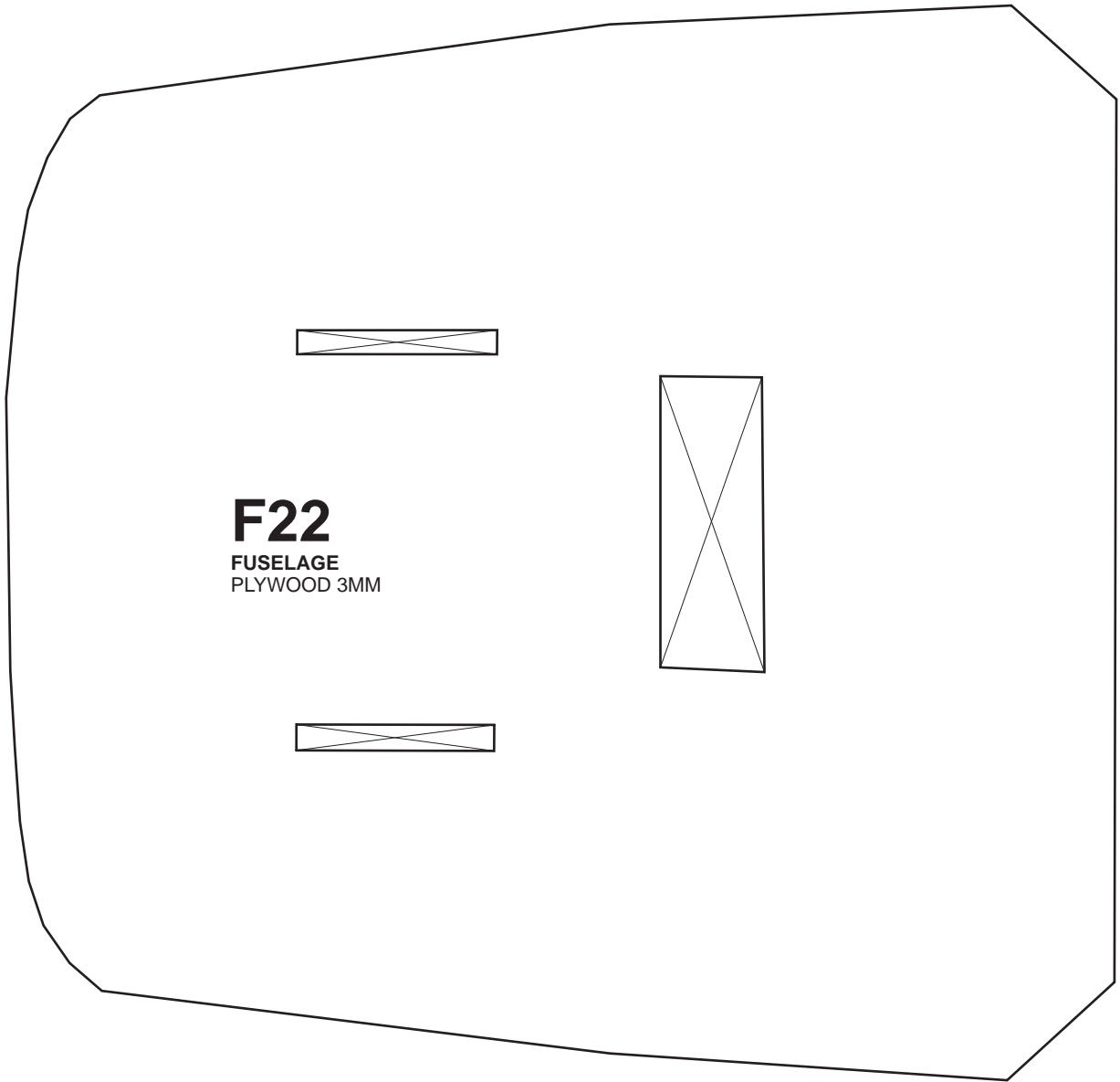


LEFT

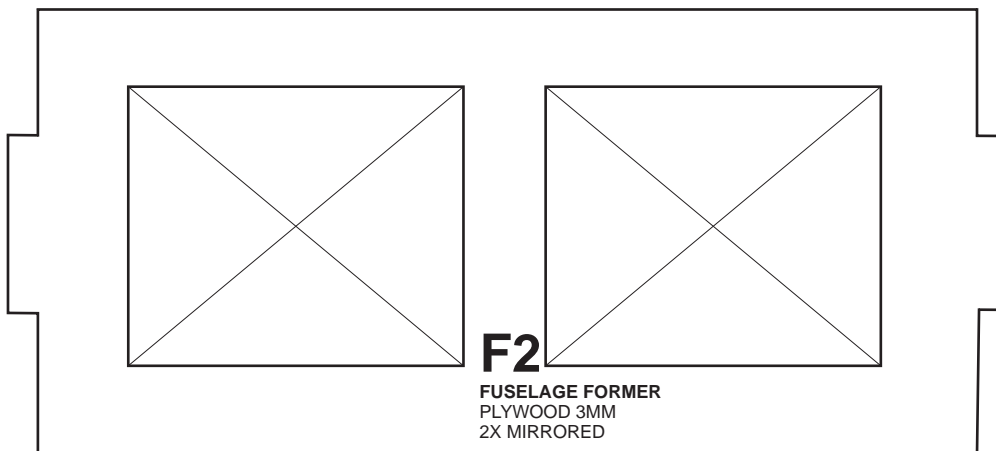
F6
FUSELAGE FORMER
PLYWOOD 3MM



F31
ENGINE COWL
PVC FOAMBOARD 3MM



F22
FUSELAGE
PLYWOOD 3MM



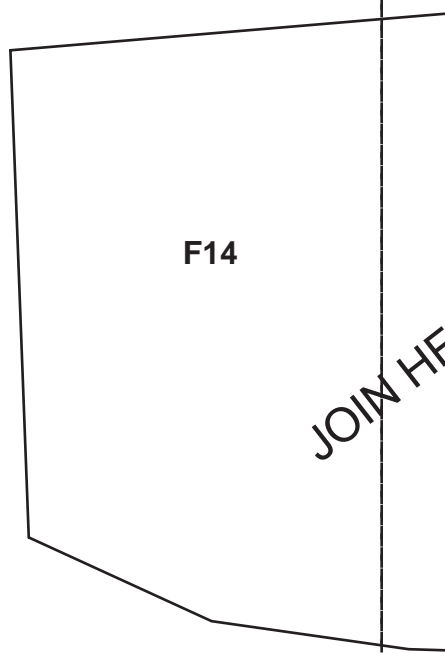
F2
FUSELAGE FORMER
PLYWOOD 3MM
2X MIRRORED



F5
FUSELAGE
POLYFOAM/ DEPRON 5MM

JOIN HERE

 FRONT



F14

JOIN HERE

JOIN HERE

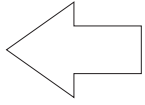


F5

JOIN HERE

JOIN HERE

F14



FRONT

F13

FUSELAGE
POLYFOAM/ DEPRON 5MM
2X MIRRORED

↑
SAND
THE EDGES
↓

JOIN HERE



JOIN HERE

F14

FUSELAGE
POLYFOAM/ DEPRON 5MM
2X MIRRORED

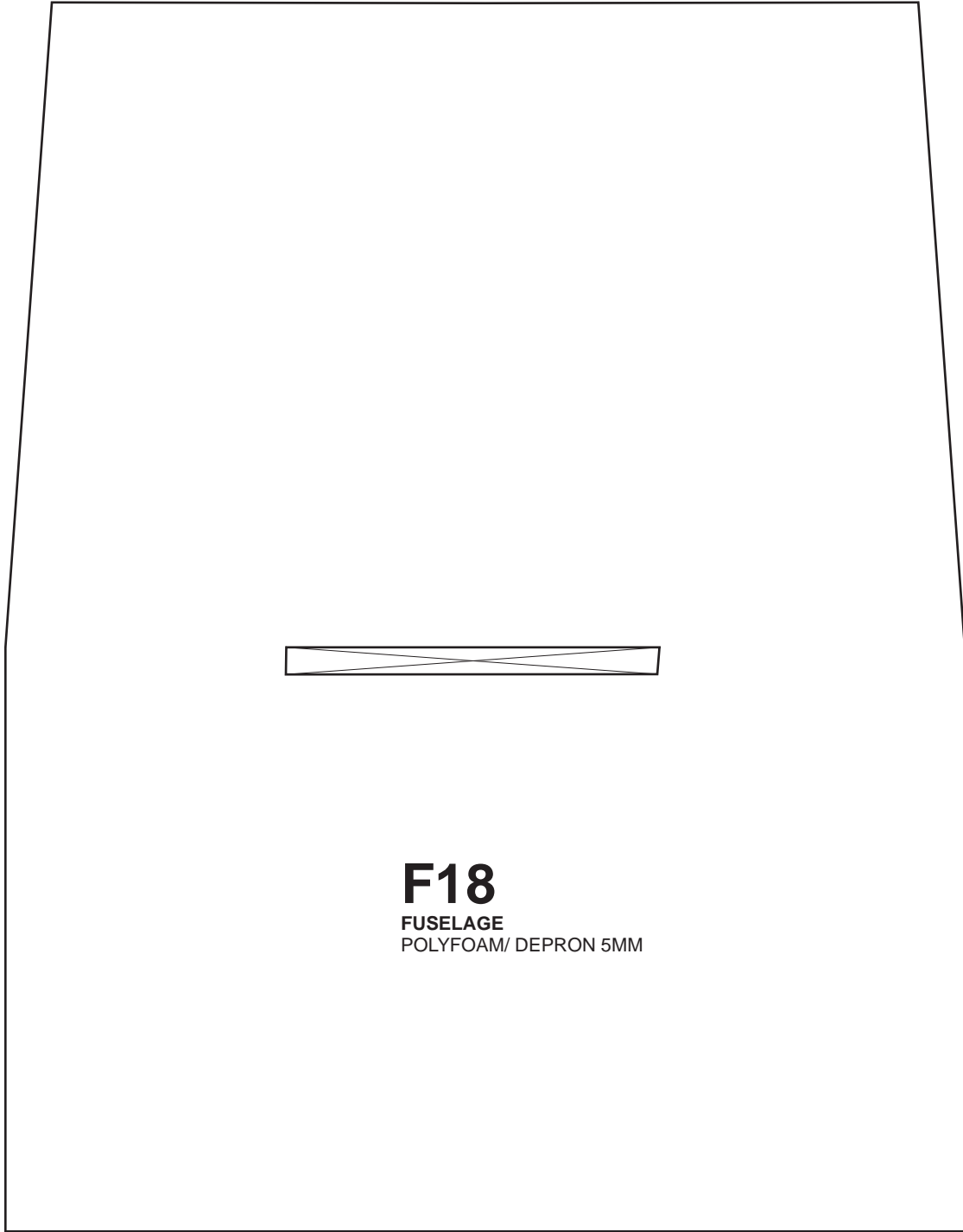
JOIN HERE

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F13

IN HERE

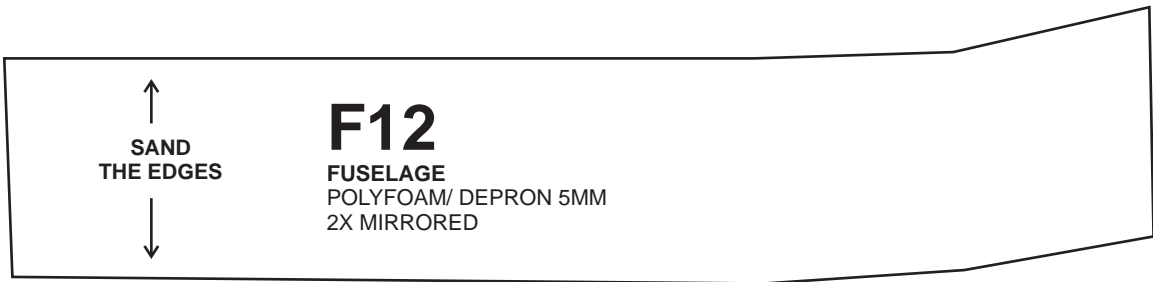
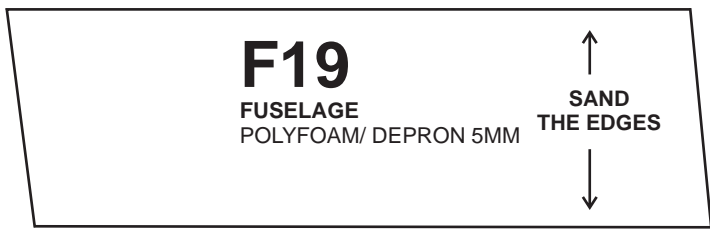
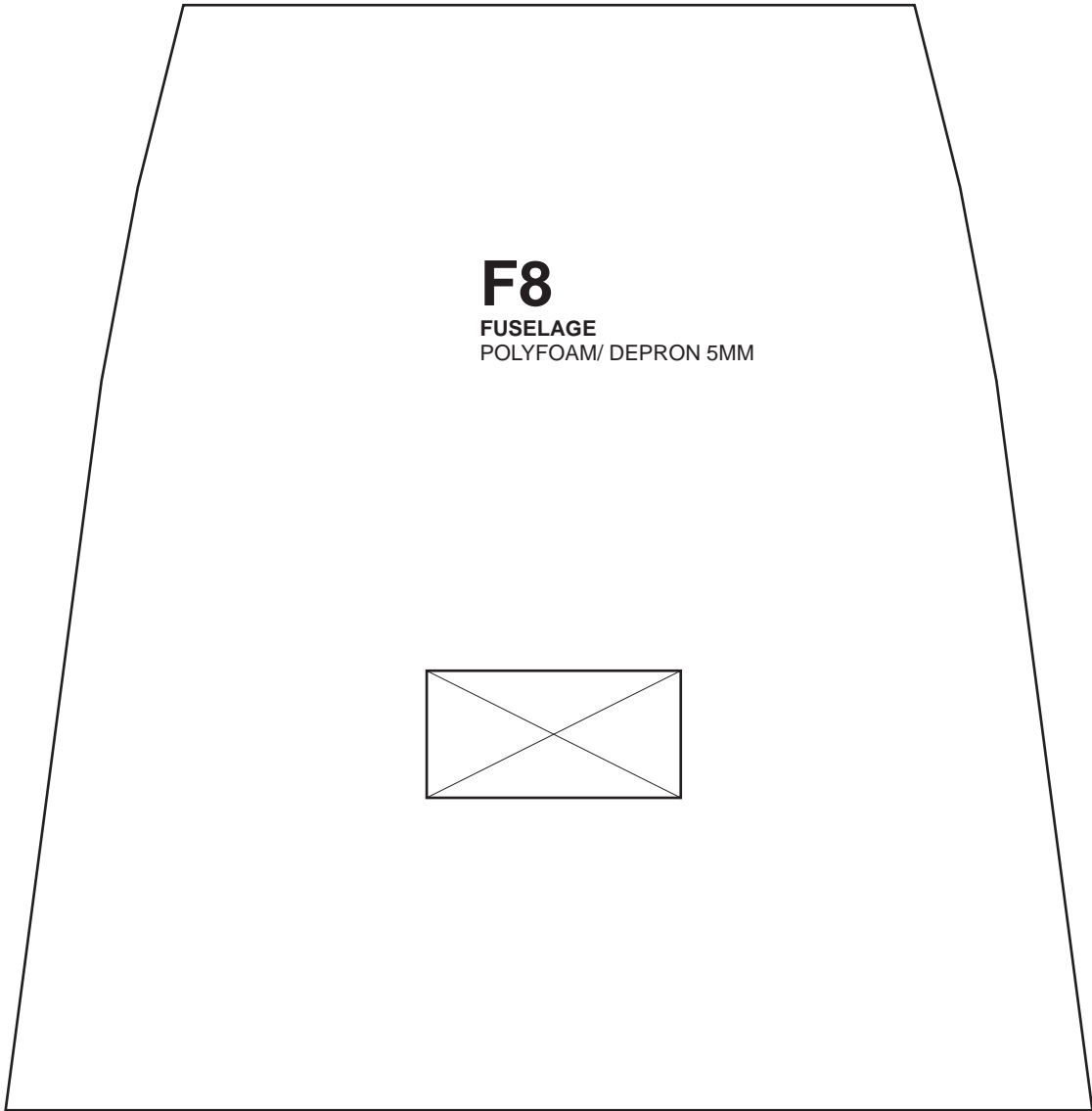
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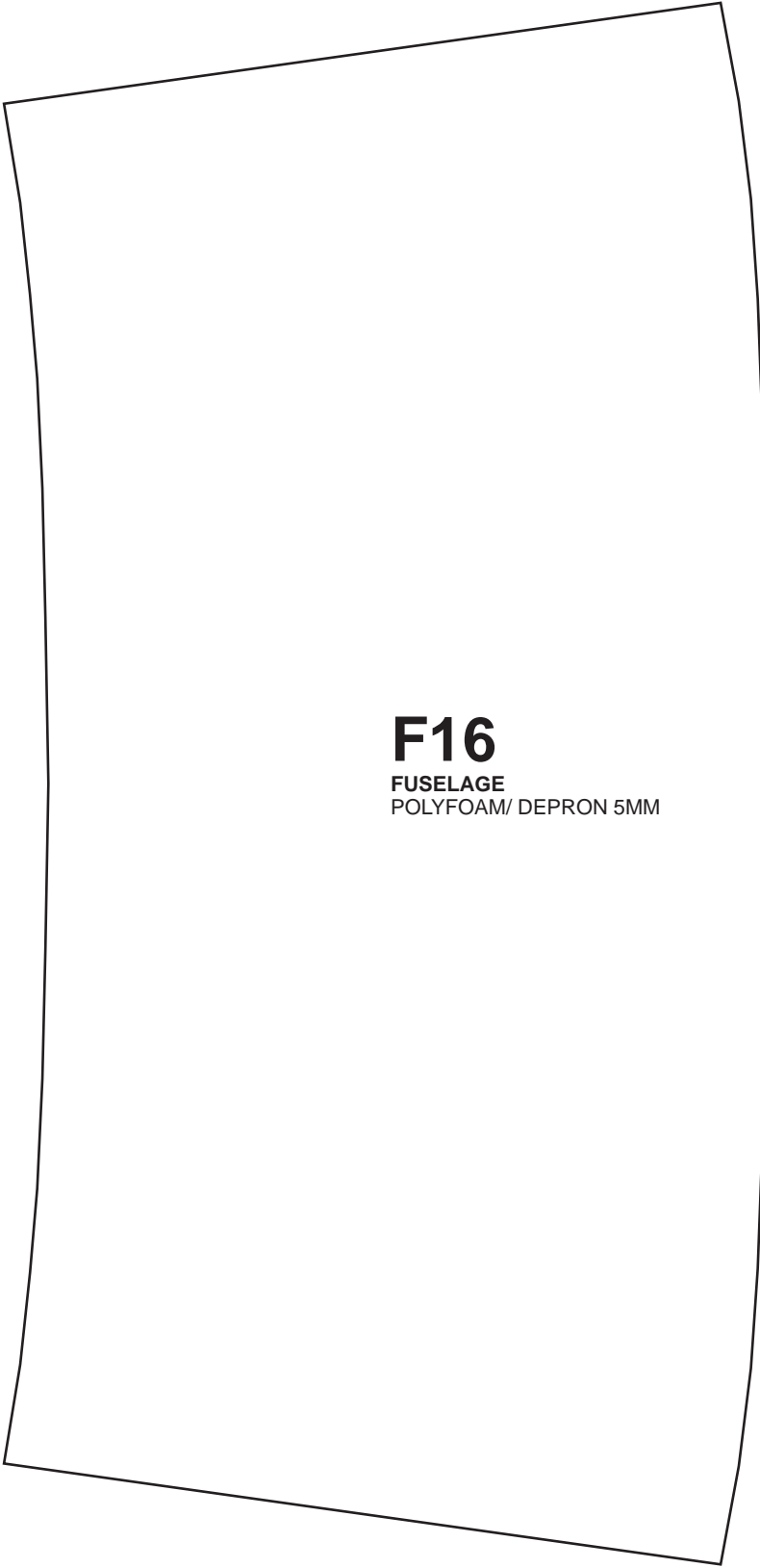


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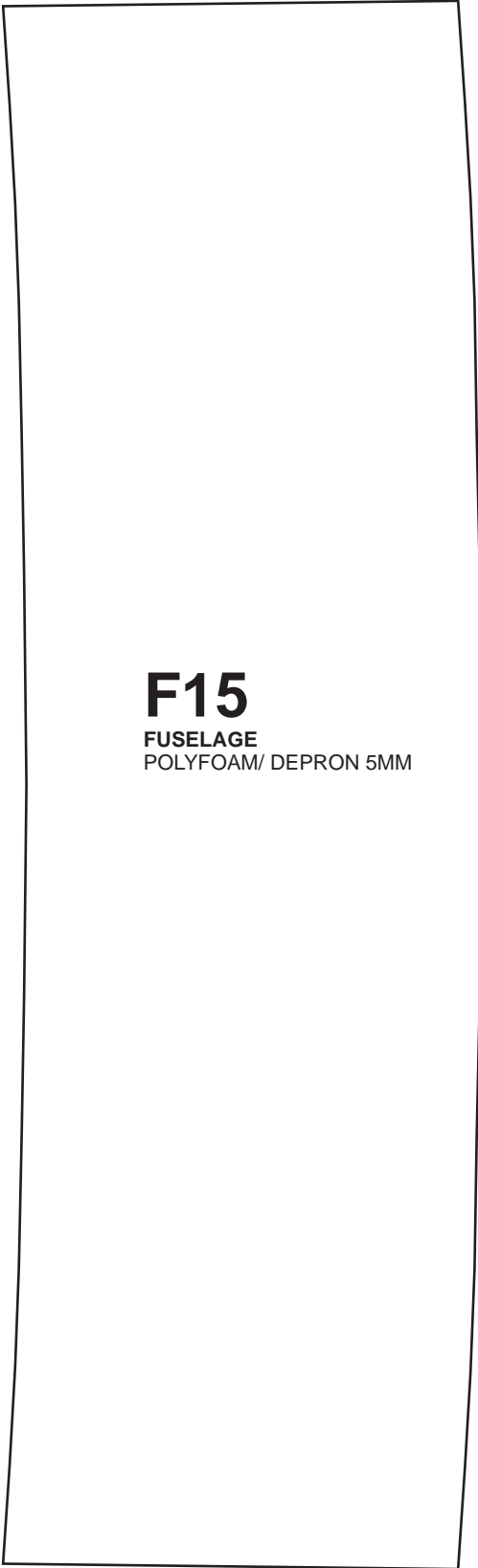
FUSELAGE
POLYFOAM/ DEPRON 5MM



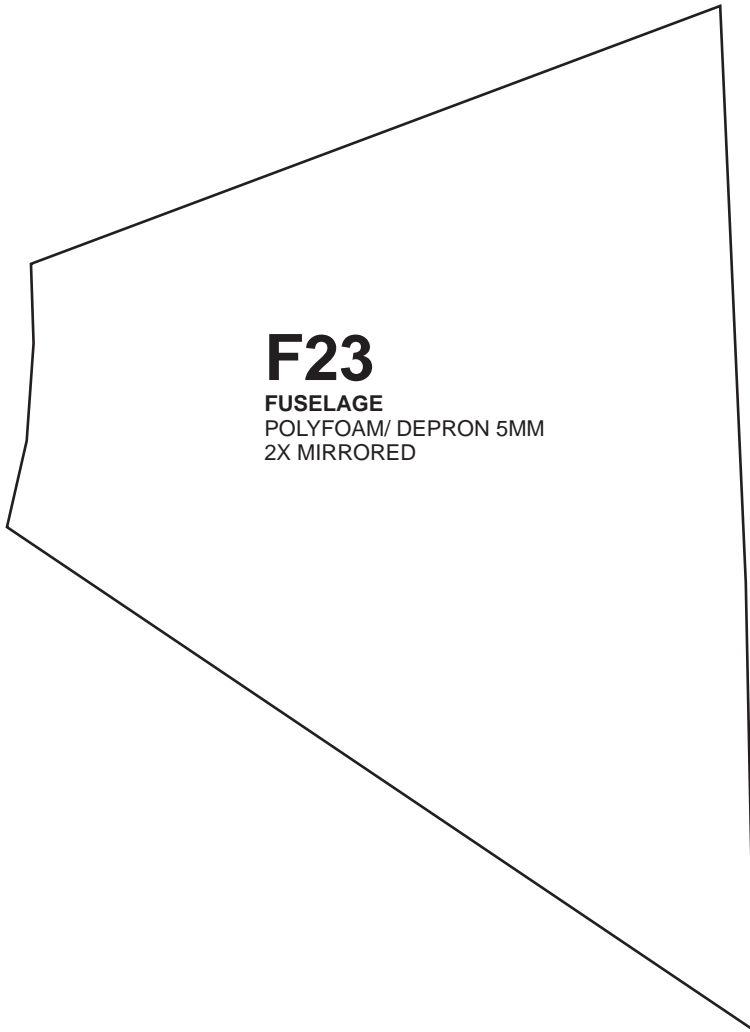
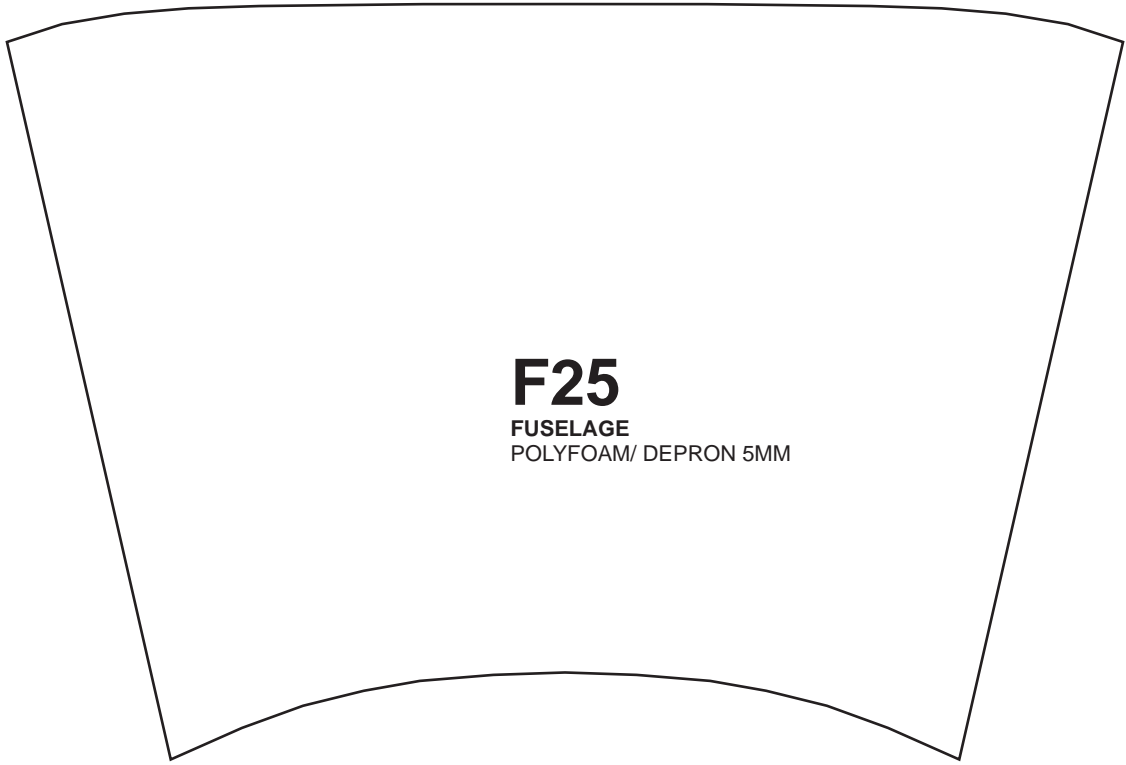


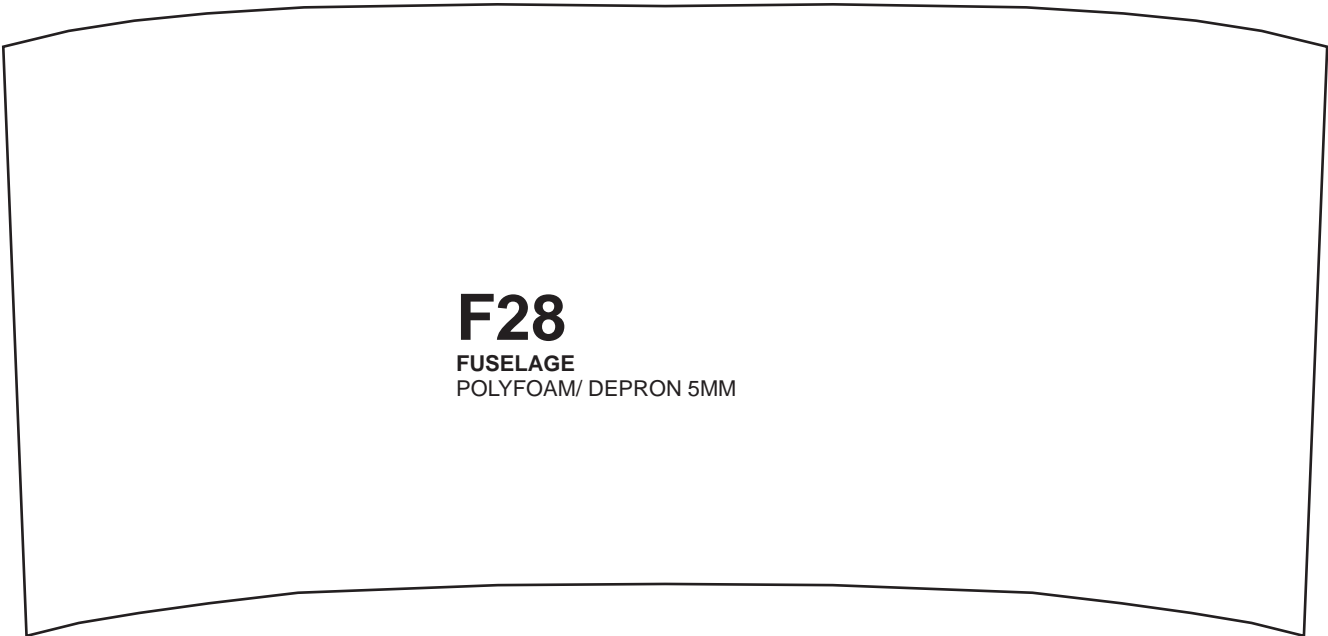


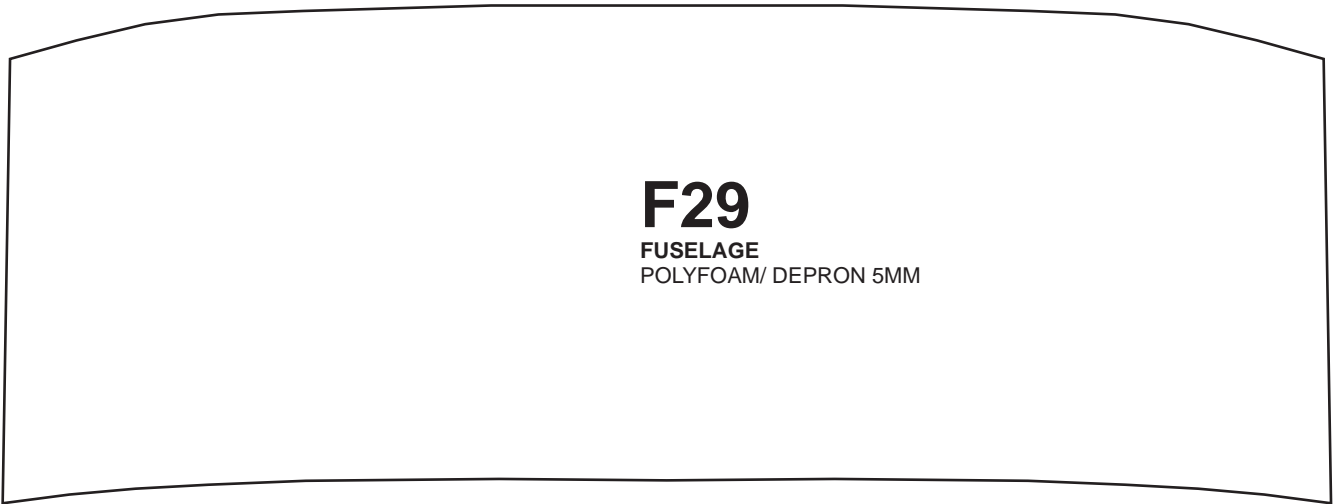
F16
FUSELAGE
POLYFOAM/ DEPRON 5MM



F15
FUSELAGE
POLYFOAM/ DEPRON 5MM







F29

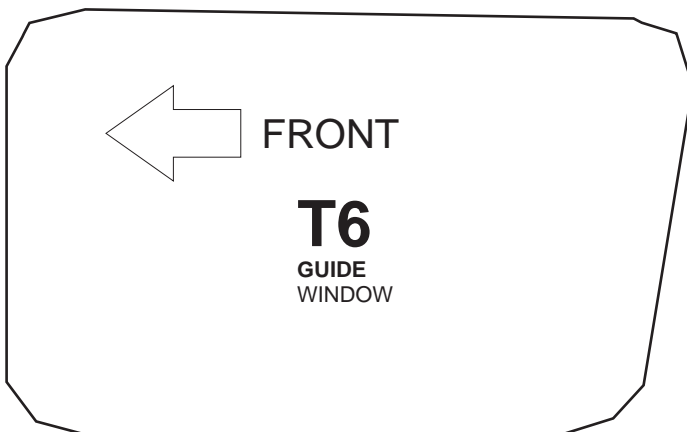
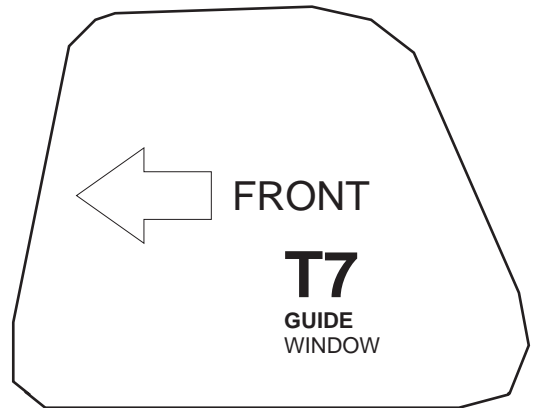
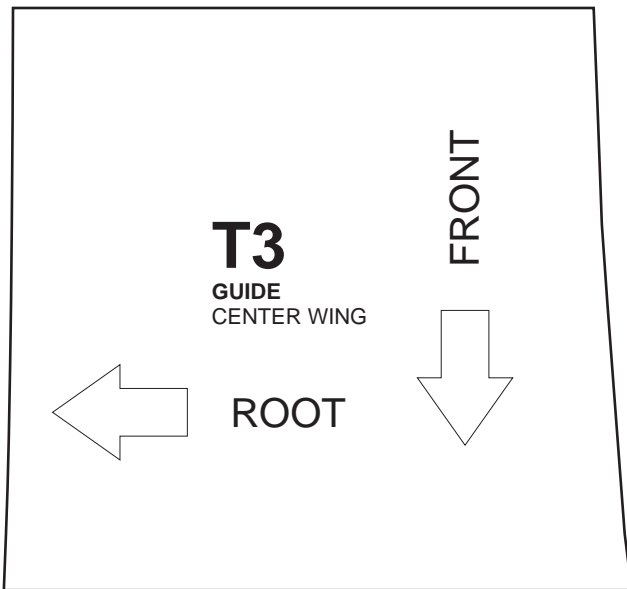
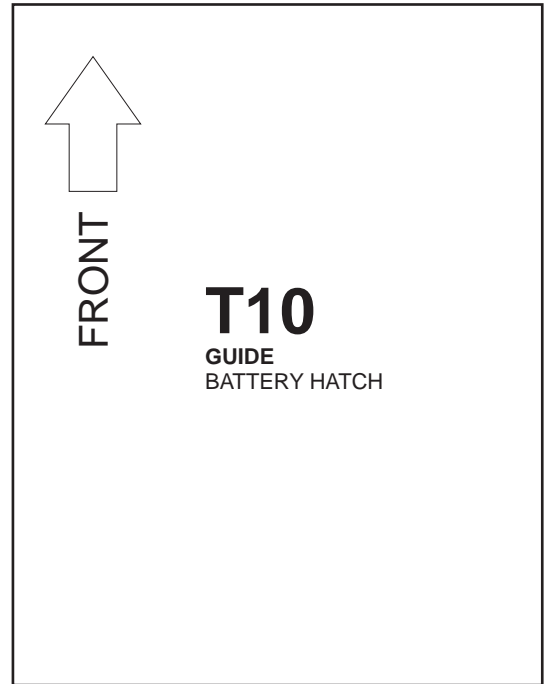
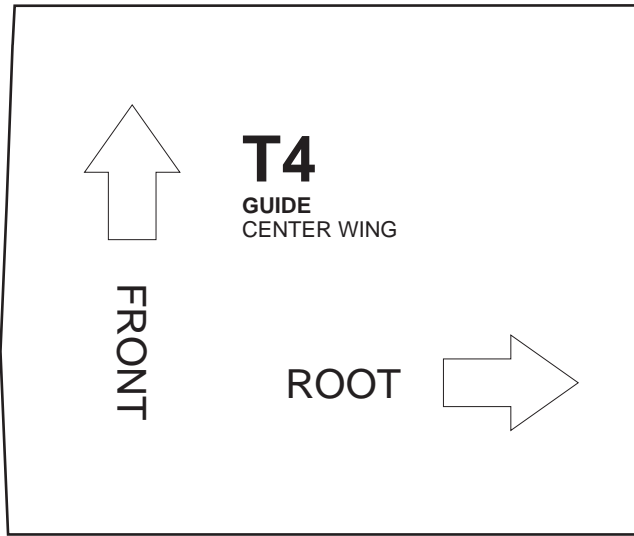
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POLYFOAM/ DEPRON 5MM

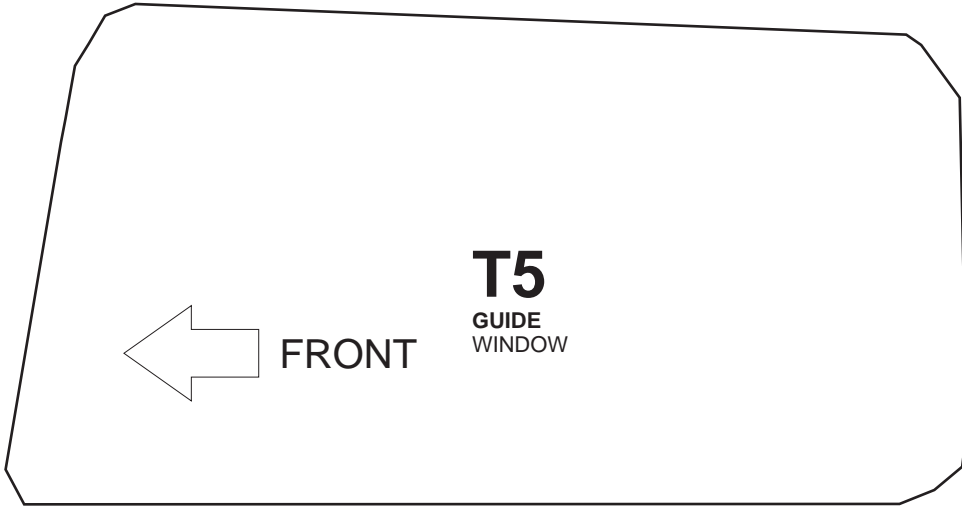


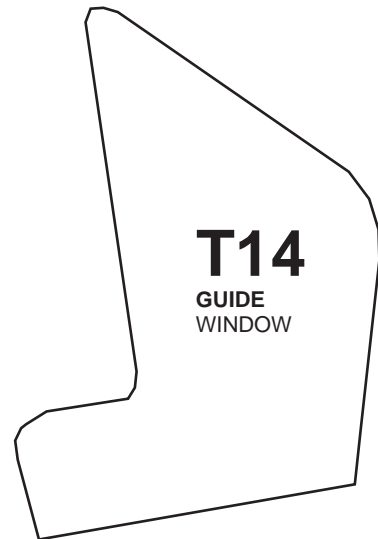
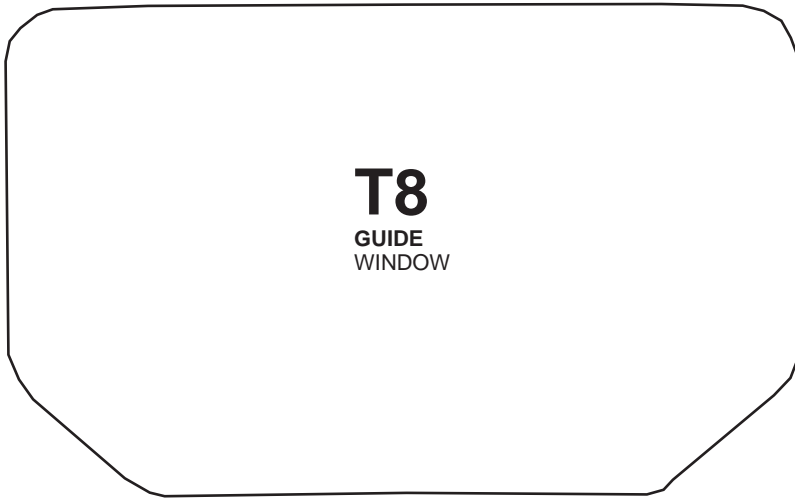
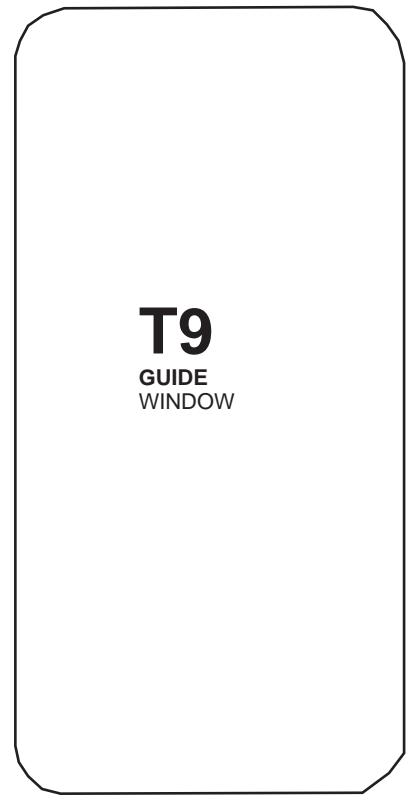
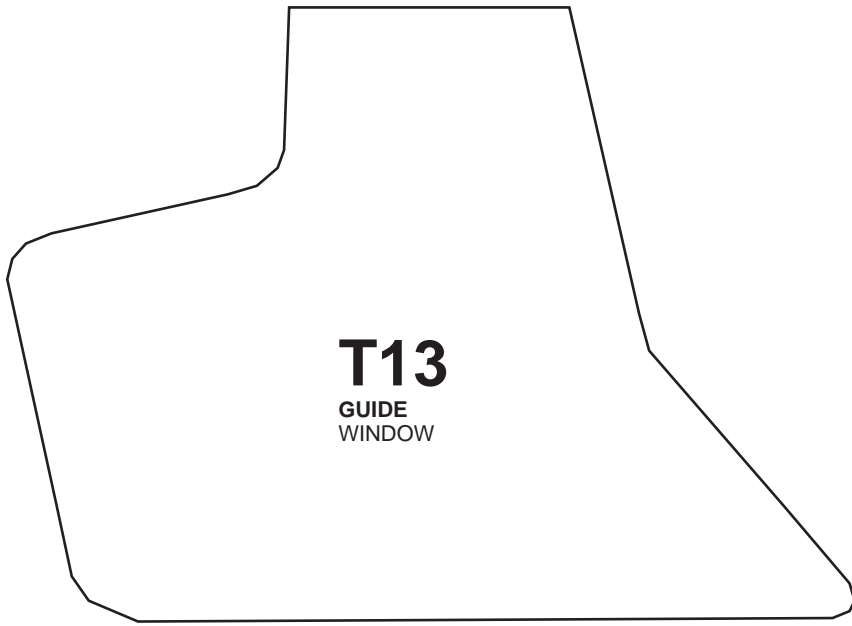
F30

FUSELAGE
POLYFOAM/ DEPRON 5MM

7X







F32

FUSELAGE
POLYFOAM/ DEPRON 5MM

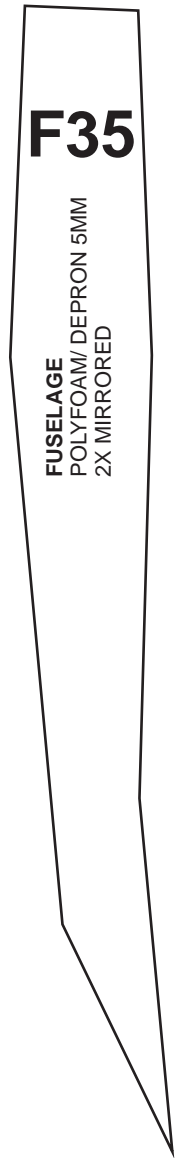
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FUSELAGE
POLYFOAM/ DEPRON 5MM
2X MIRRORED



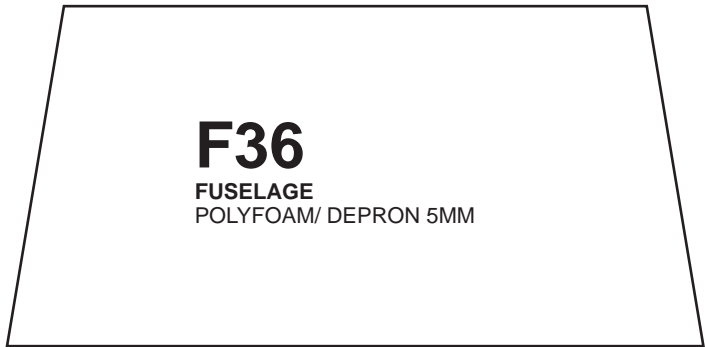
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FUSELAGE
POLYFOAM/ DEPRON 5MM



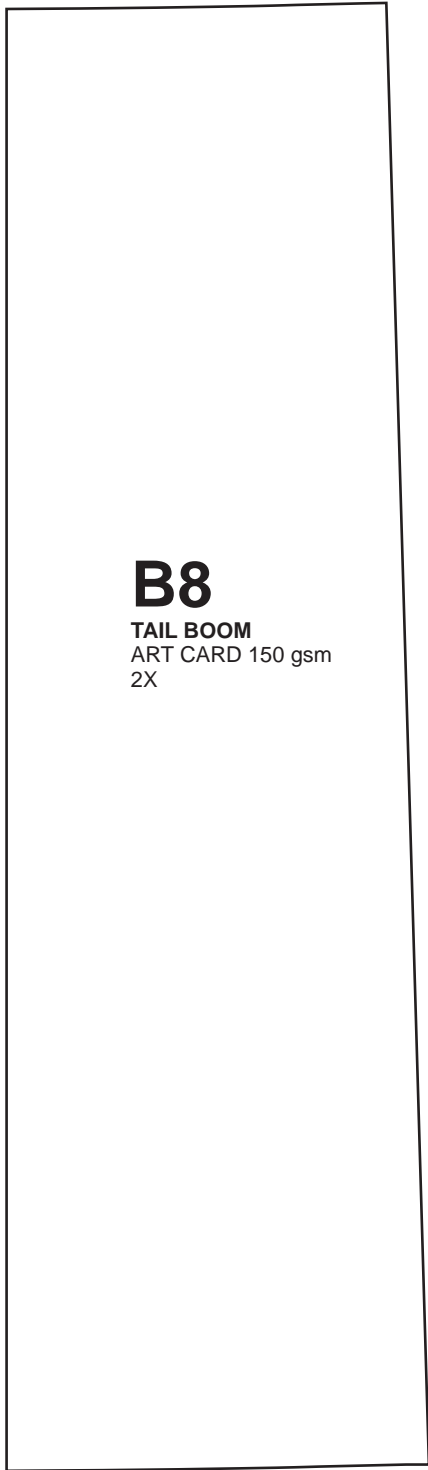
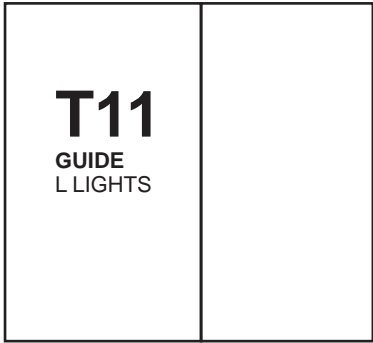
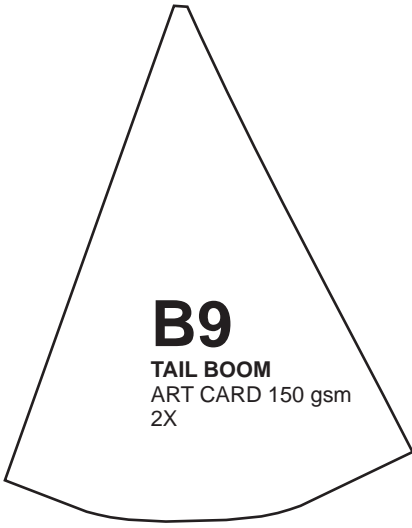
F35

FUSELAGE
POLYFOAM/ DEPRON 5MM
2X MIRRORED



F36

FUSELAGE
POLYFOAM/ DEPRON 5MM

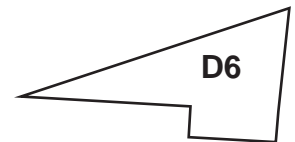
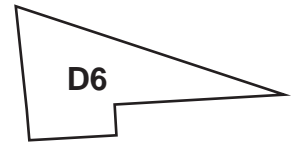
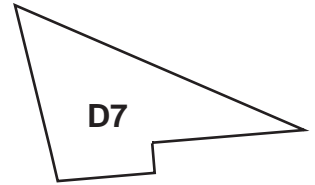
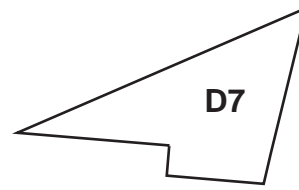
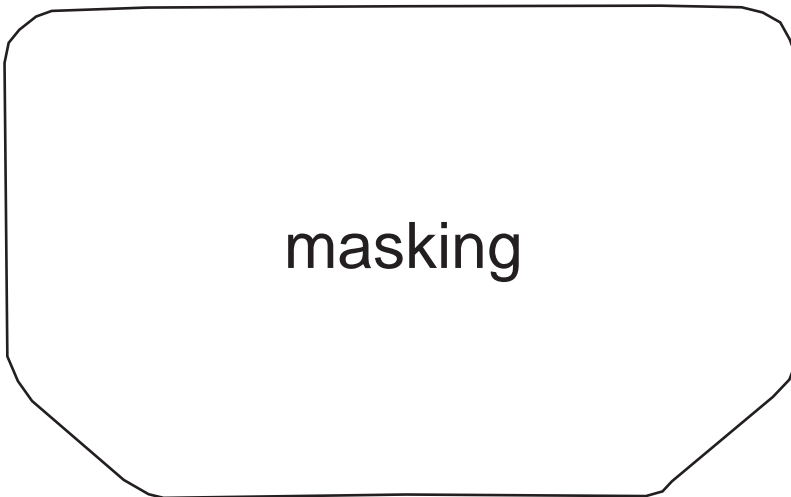
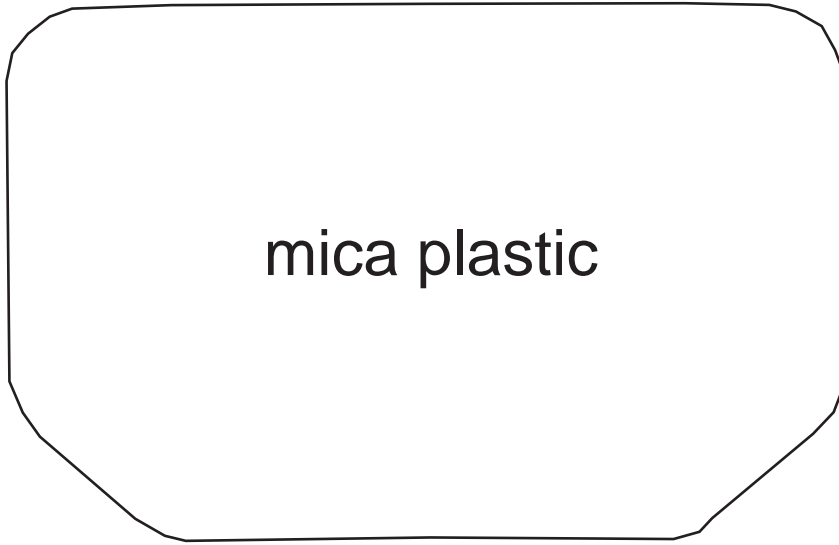




T12
GUIDE
WINDSHIELD

JOIN HERE

JOIN HERE

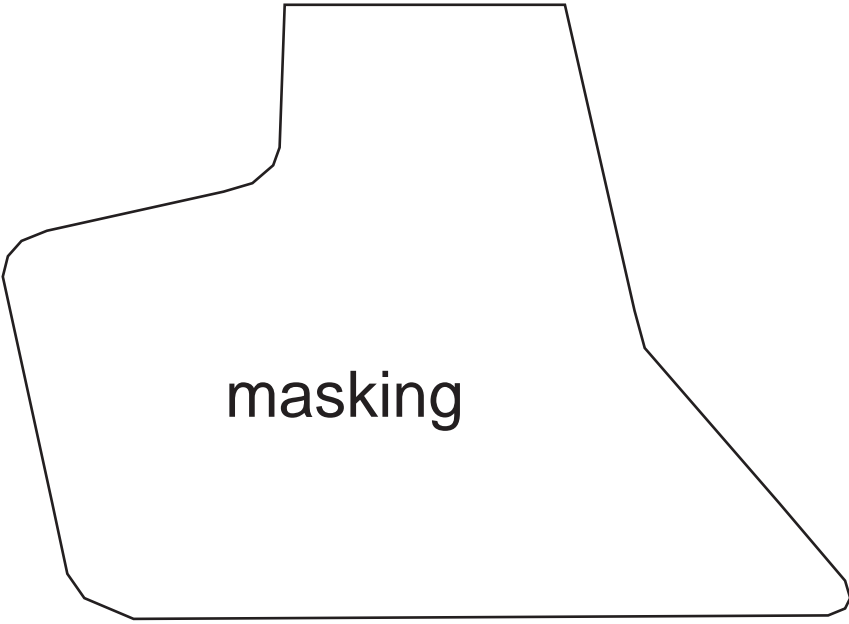


masking

mica plastic

masking

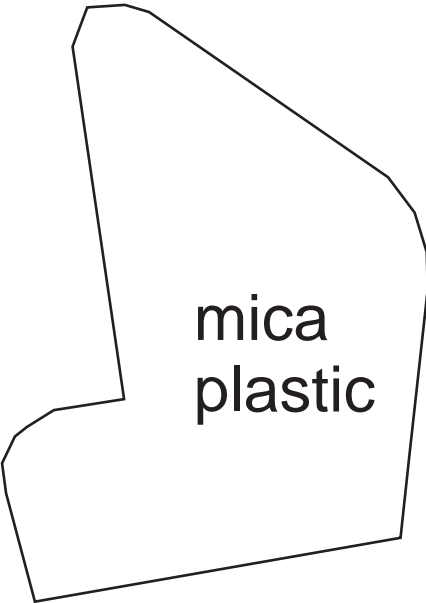
mica plastic



masking



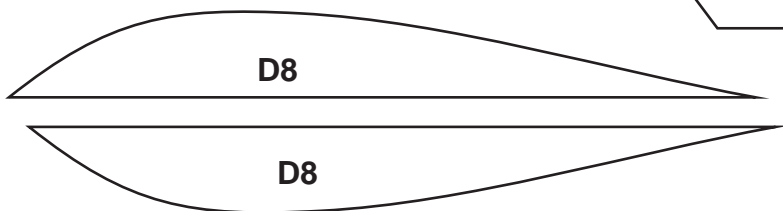
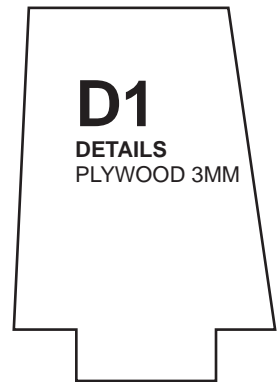
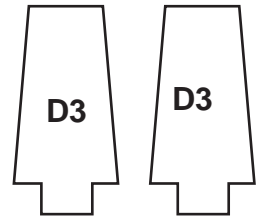
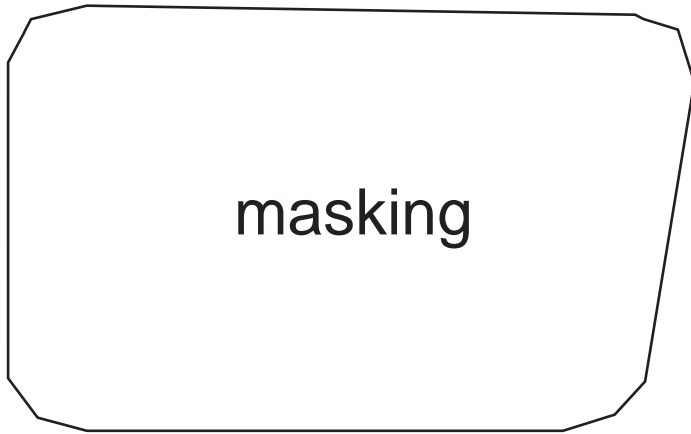
mica plastic

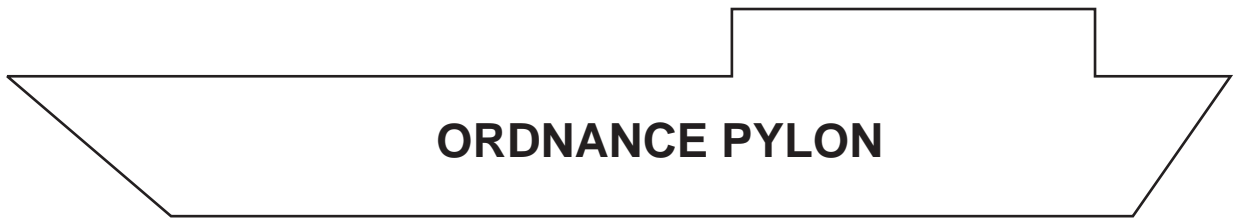
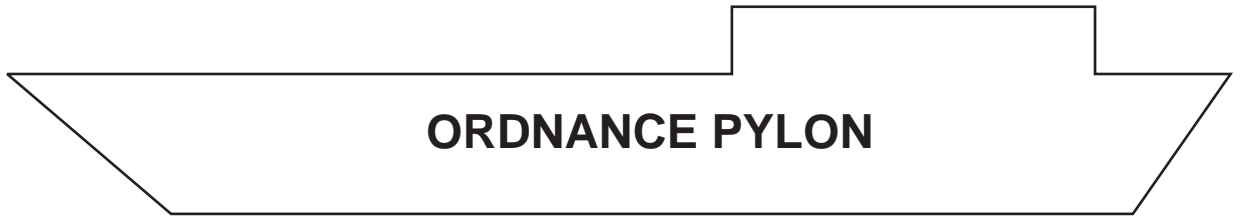
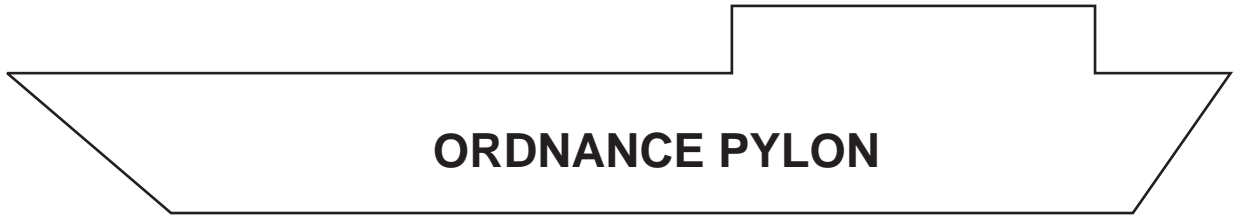


mica
plastic

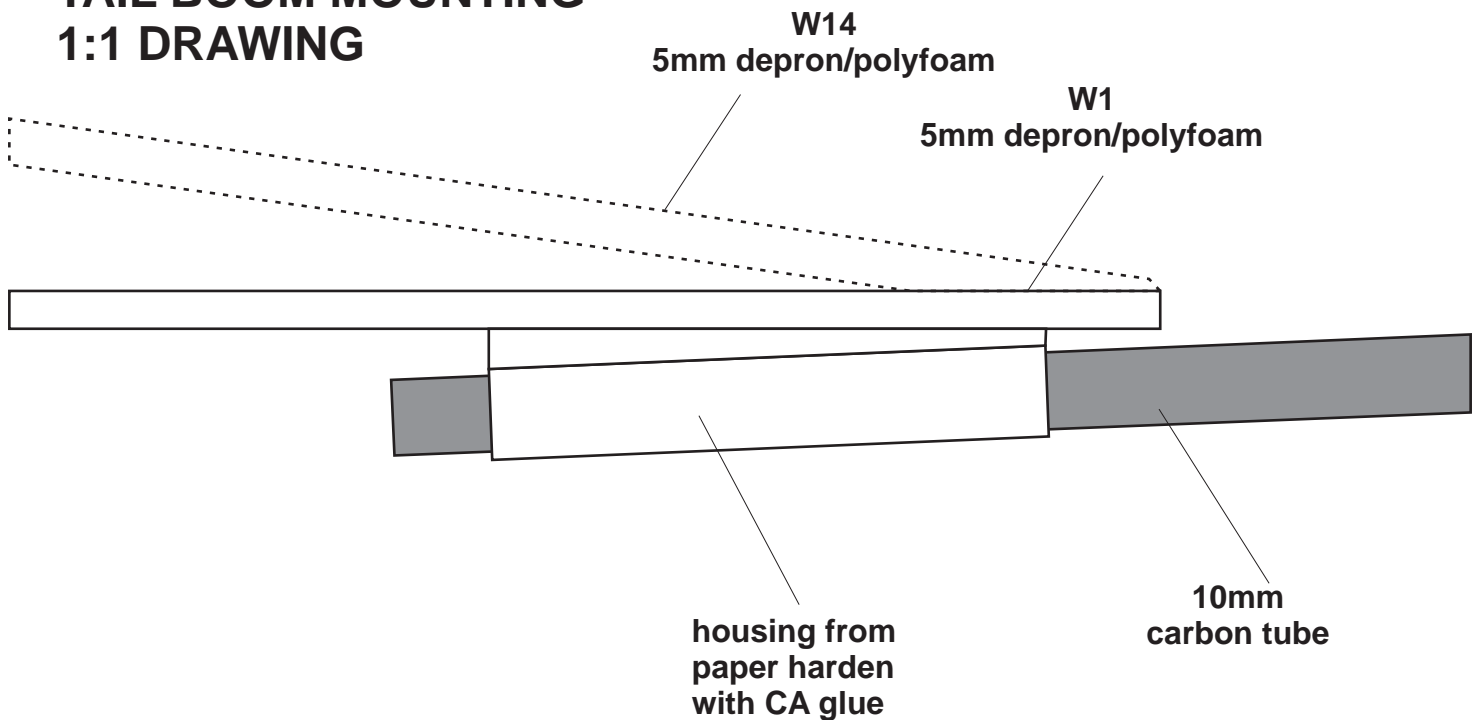


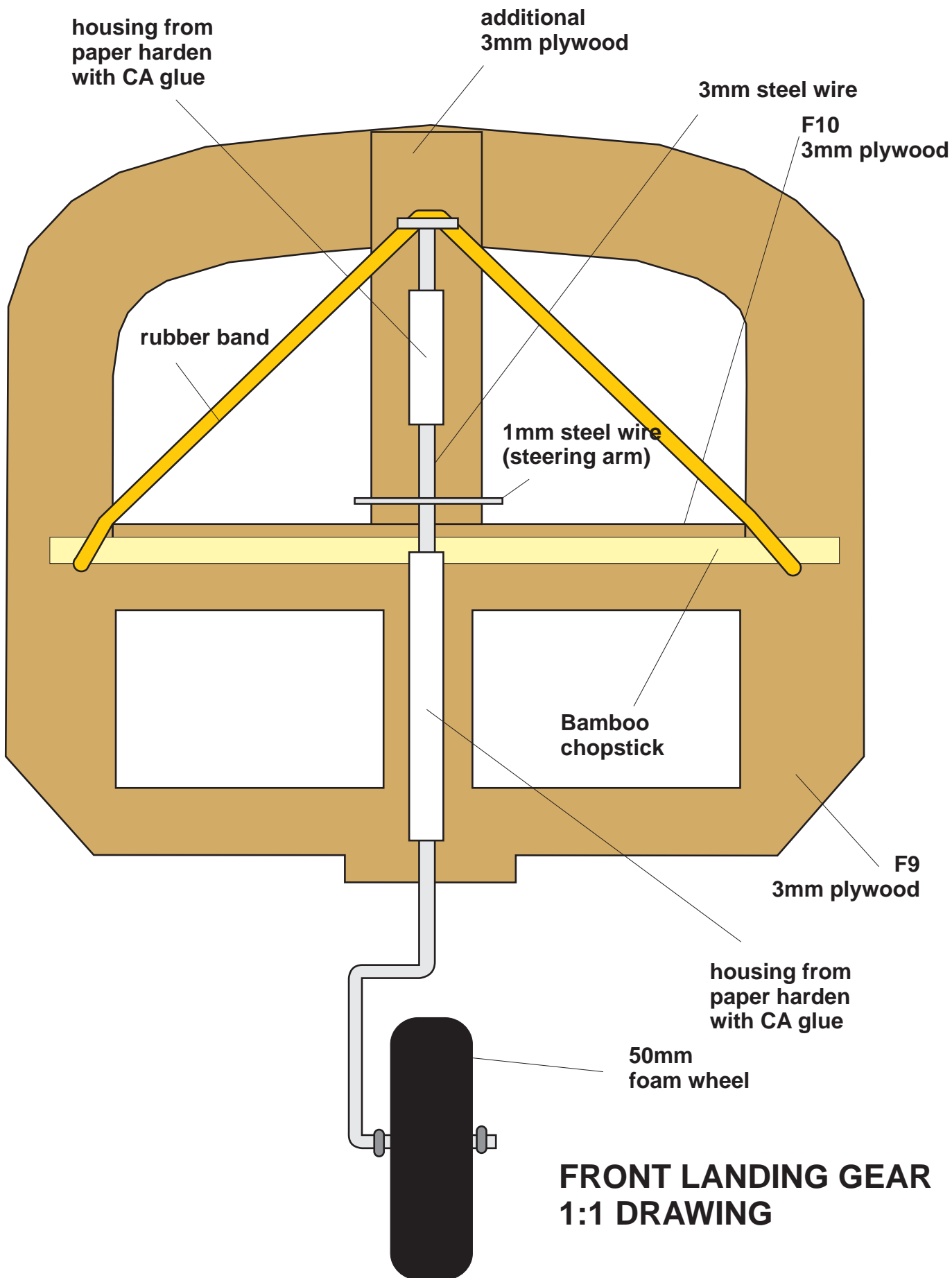
masking



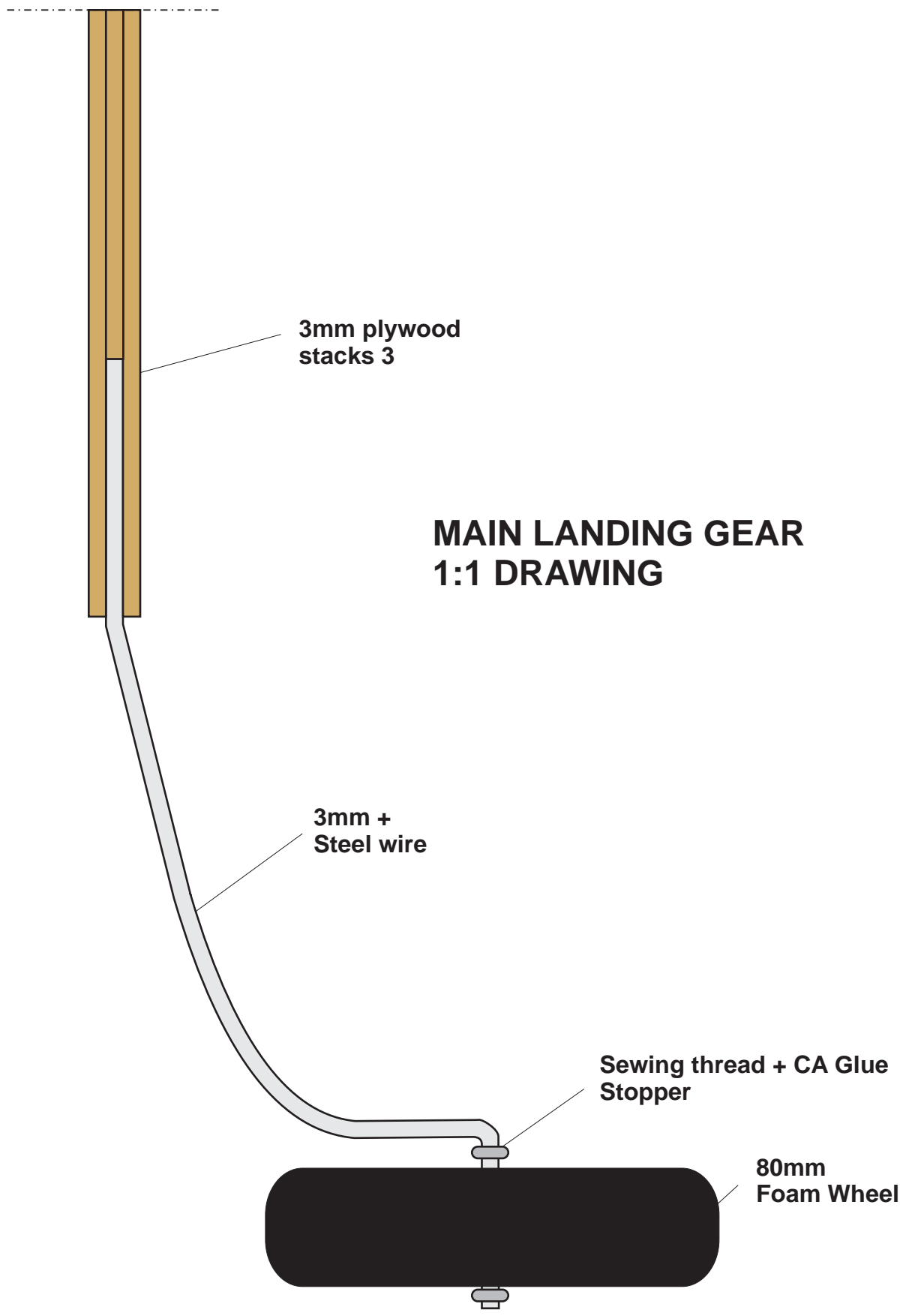


TAIL BOOM MOUNTING 1:1 DRAWING



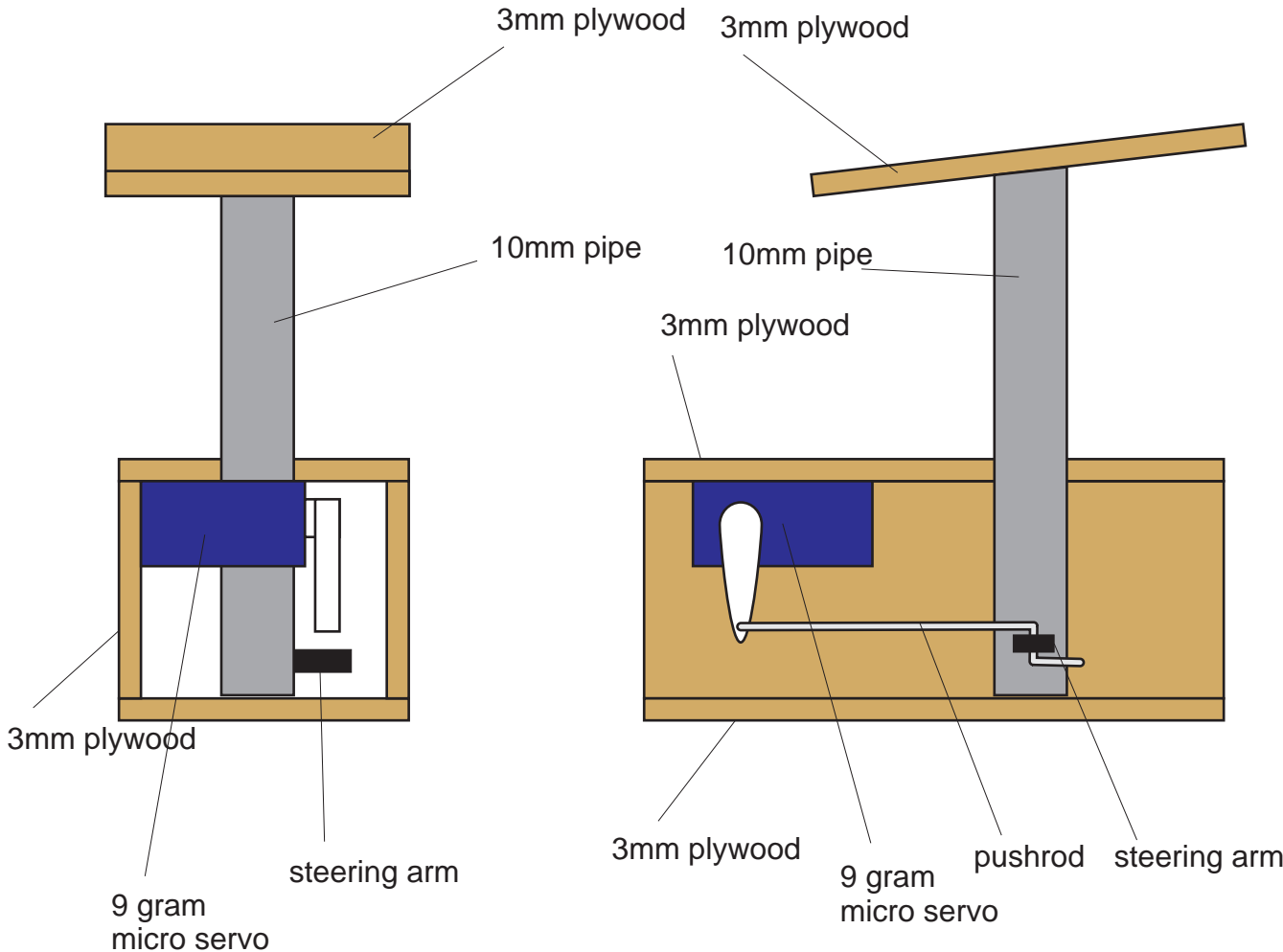


**FRONT LANDING GEAR
1:1 DRAWING**

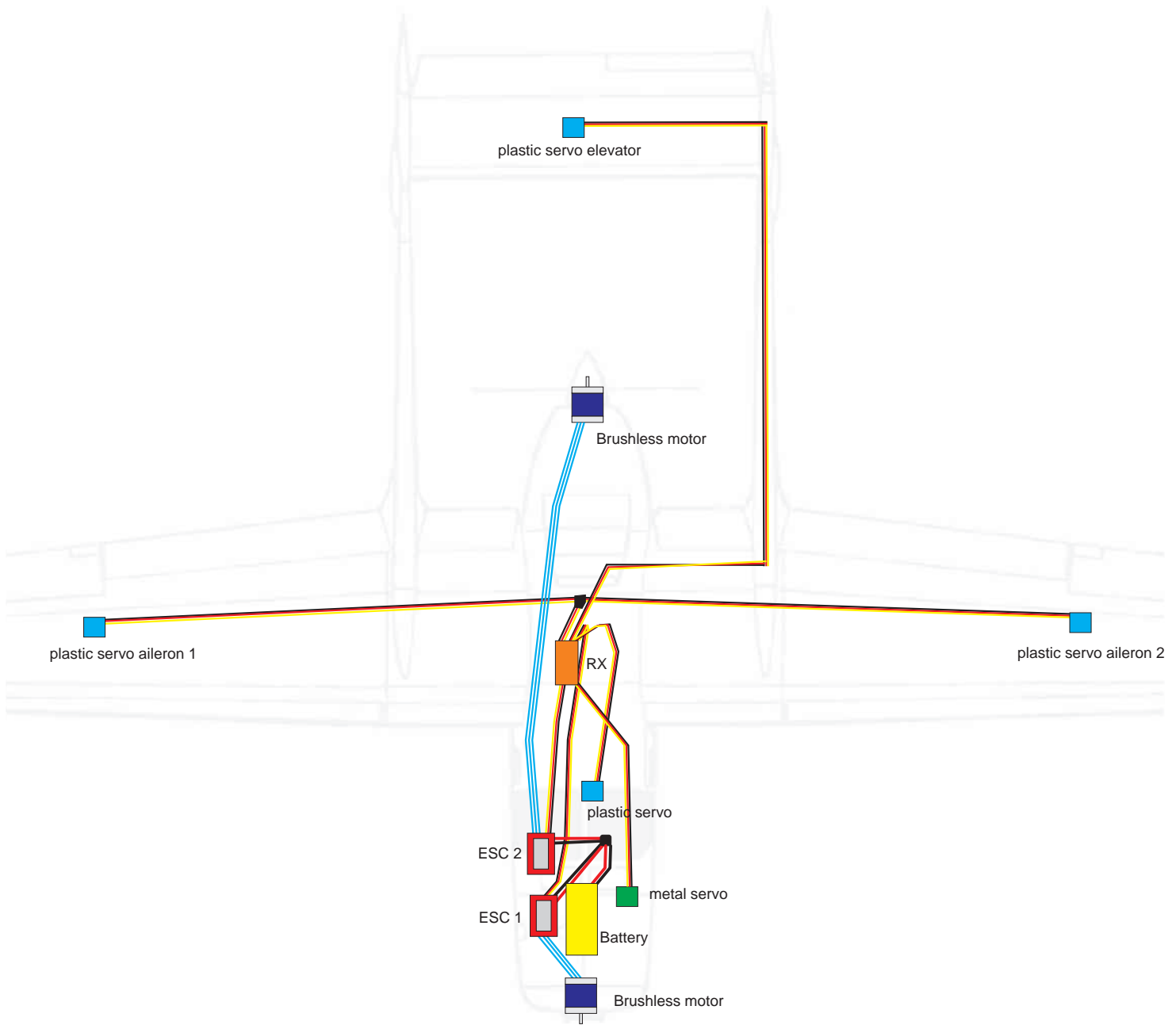


MAIN LANDING GEAR 1:1 DRAWING

1 Axis gimbal 1:1 drawing



Wiring Diagram



Receiver channel assignment

- Ch 1 : Aileron servo 1+2 ■
- Ch 2 : Elevator servo ■
- Ch 3 : ESC 1 ■
- Ch 4 : Steering servo ■
- Ch 5 : -
- Ch 6 : ESC 2 (mix with ch 3) ■
- Ch 7 : camera gimbal servo (mix with ch 4) ■

Electronics

- Motor : DXW 3536 1200kv (x2)
- Servo : - 9 gram plastic servo (x4)
- 9 gram metal servo (x1)
- ESC : Aerostar 50A (x2)
- Battery : RHJ 3S 2200mah 70C
- Propeller : 9x6x3 (CW + CCW) or 10x6 (CW+CCW)
- TX : Jumper T16
- RX : Frsky D8RII