



Model : 51/2024



# Cessna 525 Citation CJ1

## 2200mm

### Pusher Prop Specs :

1. Wingspan 2200mm / 86.6 inches
2. Flying weight : 3100 grams/ 109.3 oz/ 6.8 lbs
3. Wing loading : 48.8 gram/dm<sup>2</sup> - 16 oz/sq.ft.
4. Wing cube loading : 6.1 (Trainer)
5. Wing Area : 63.48 dm<sup>2</sup> / 984 sq.in.
6. CG : 4.1 inch/ 10.5 cm from Leading Edge on Wing Root

### EDF Specs :

1. Wingspan 2200mm / 86.6 inches
2. Flying weight : 3470 grams/ 122.4 oz/ 7.68 lbs
3. Wing loading : 54.7 gram/dm<sup>2</sup> - 17.9 oz/sq.ft.
4. Wing cube loading : 6.9 (Trainer)
5. Wing Area : 63.48 dm<sup>2</sup> / 984 sq.in.
6. CG : 4.1 inch/ 10.5 cm from Leading Edge on Wing Root

### Electronics for test (pusher prop)

- 2X DXW 3536 1200kv Brushless motor
- 2X 8x6 3 Blades prop (Both CCW)
- 2X 50A ESC
- 2X 3S 2200mah Lipo Battery
- 6X Metal gear 9 gram servo (mini servo) for control surfaces + steering
- 2X Metal gear 9 gram servo (mini servo) for main gear retract
- 1X Standard servo for front landing gear retract

### Electronics for test (EDF)

- 2X FMS 70mm 12 blades 1900kv EDF
- 2X 80A ESC
- 1X 6S 5600mah Lipo Battery
- 6X Metal gear 9 gram servo (mini servo) for control surfaces + steering
- 2X Metal gear 9 gram servo (mini servo) for main gear retract
- 1X Standard servo for front landing gear retract

### Transmitter

- Jumper T16 + BetaFPV Express LRS TX module
- 10 ch BetaFPV Express LRS RX

### Materials :

1. 5mm Foamboard/ Depron/ Polyfoam
2. 10mm Carbon Tube/ Bamboo/ Wood Dowel 30 cm
3. 5mm Carbon Tube/ Bamboo/ Wood Dowel 40 cm
3. 0.5mm Mica Plastic
4. hot glue, UHU glue, CA glue, PVA glue
5. Packing tapes

### Build Instructions :

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

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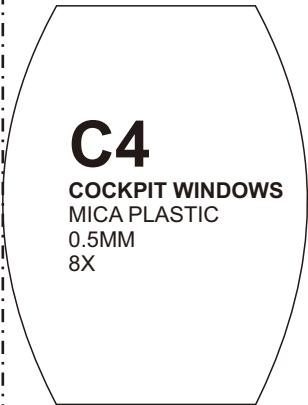
**W1**

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



**C4**

**COCKPIT WINDOWS**  
MICA PLASTIC  
0.5MM  
8X



**C3**

**COCKPIT WINDOWS**  
MICA PLASTIC  
0.5MM  
2X



JOIN HERE

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W1



W

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W1

**C1**  
COCKPIT INSTRUMENT  
PANEL  
CARD

**C1**  
COCKPIT INSTRUMENT  
PANEL  
CARD

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W1

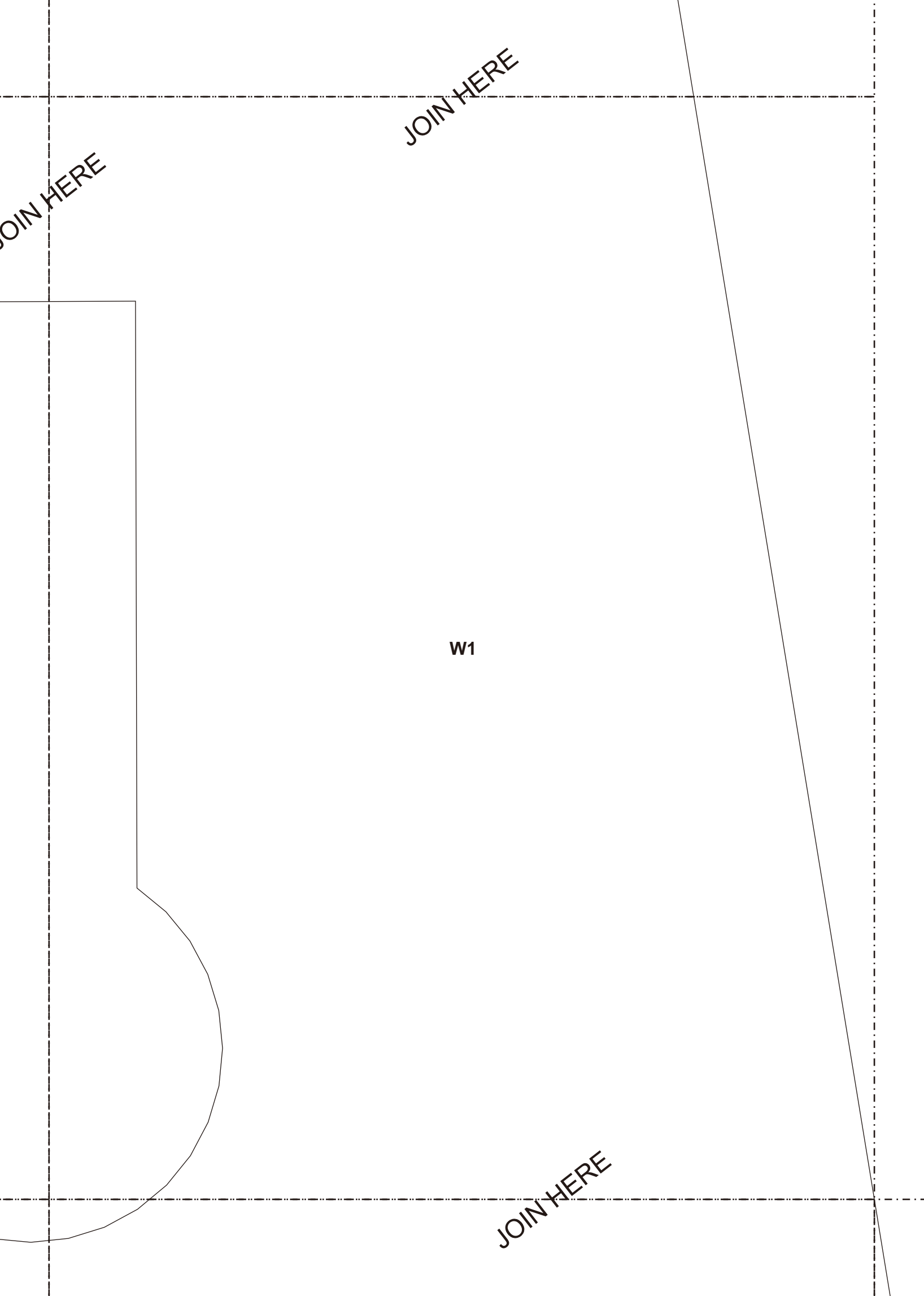
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W1

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W1



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W1

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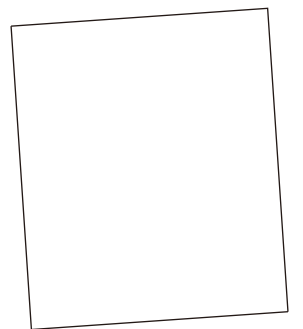


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W1

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W2

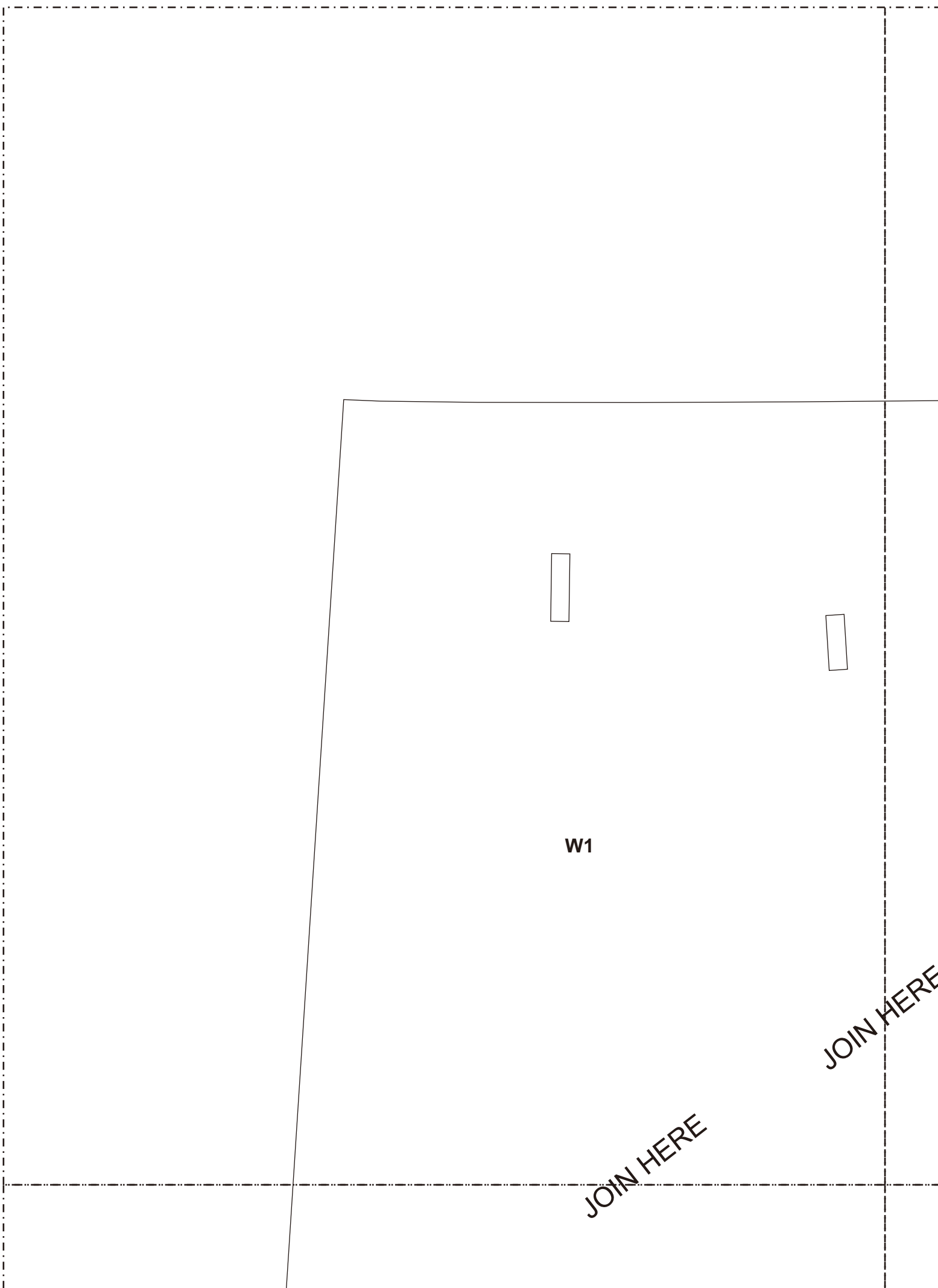


W1

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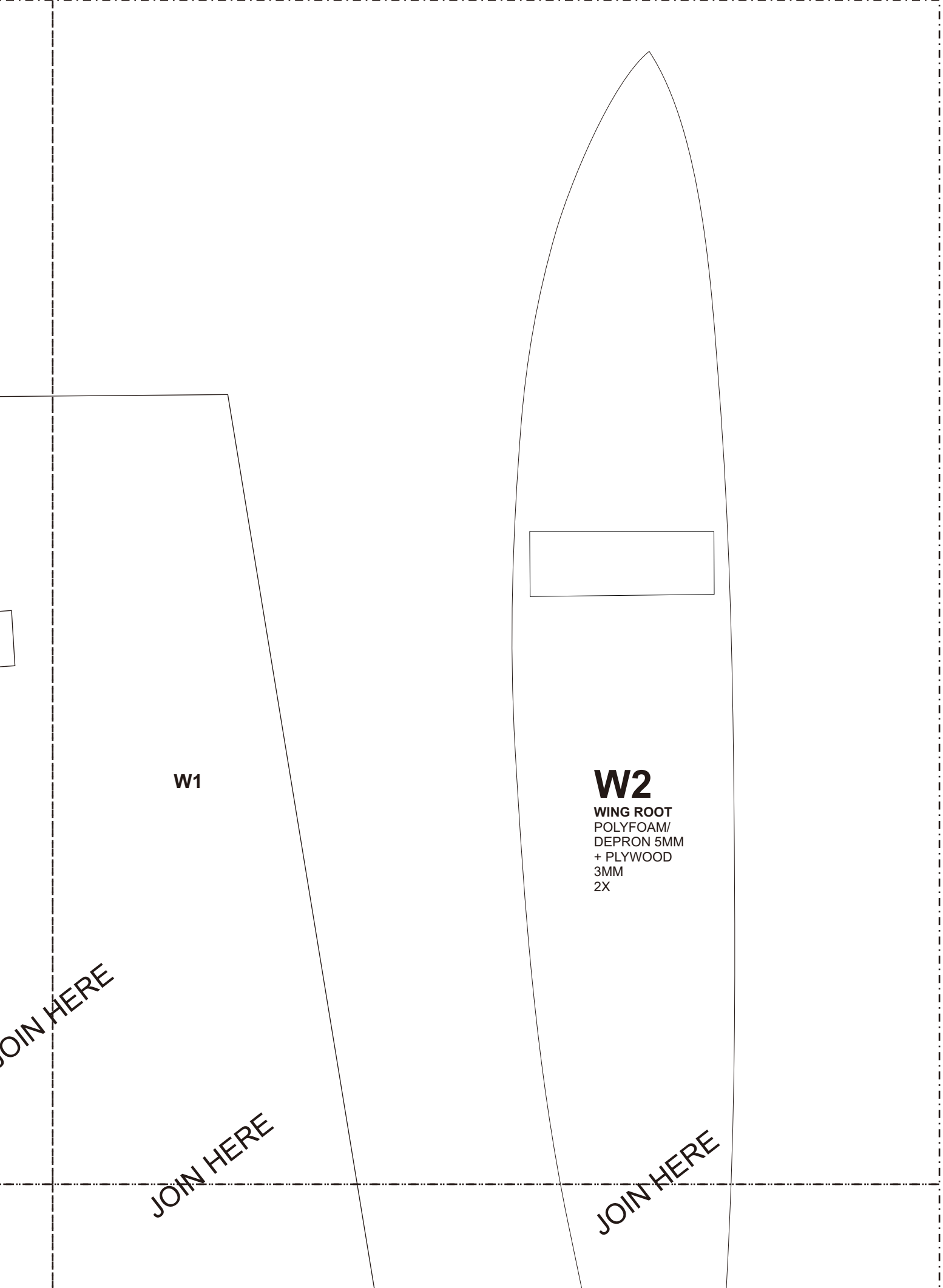




**W1**

**JOIN HERE**

**JOIN HERE**



**W1**

**W2**

**WING ROOT**  
POLYFOAM/  
DEPRON 5MM  
+ PLYWOOD  
3MM  
2X

JOIN HERE

JOIN HERE

JOIN HERE

**W7** WING RIB  
PLYWOOD 3MM  
2X

**W15**  
2x

**W16**  
2x

**W12** WING RIB  
PLYWOOD 3MM + DEPRON 5MM  
2X MIRRORED

**W11** WING RIB  
PLYWOOD 3MM + DEPRON 5MM  
2X MIRRORED

**W8**  
WING SPAR  
PLYWOOD 3MM  
2X

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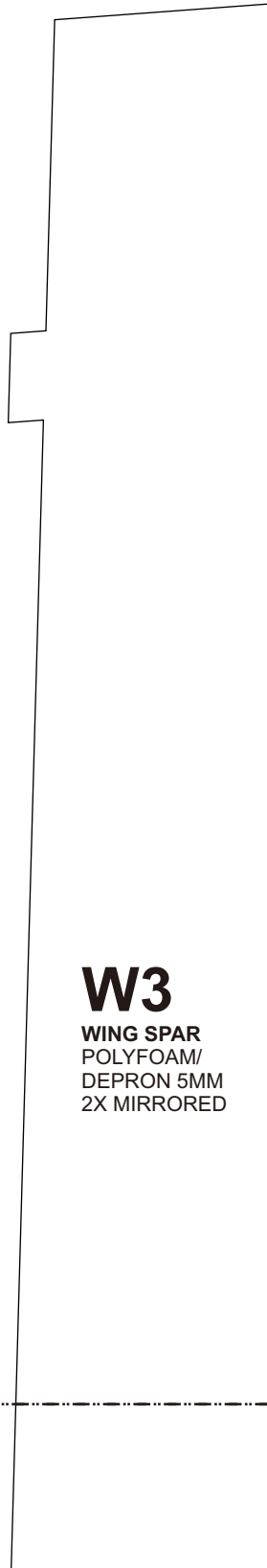
W8

**W10** WING JOINER  
PLYWOOD 3MM  
2X MIRRORED

**W9** WING JOINER  
PLYWOOD 3MM  
4X MIRRORED

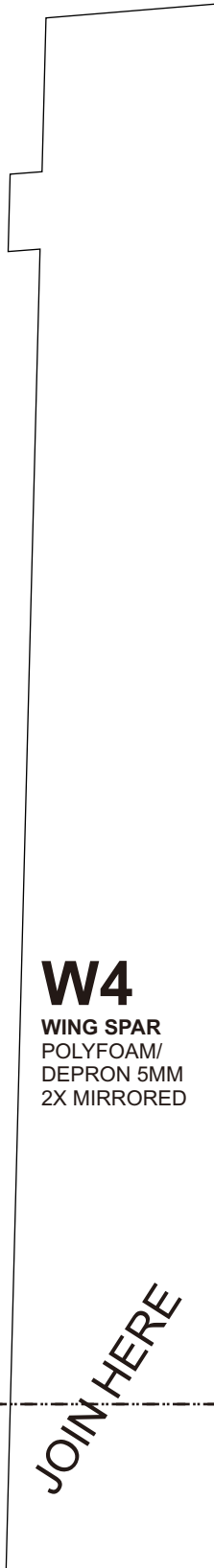
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**W17**  
WING JOINER  
PLYWOOD 3MM  
5X



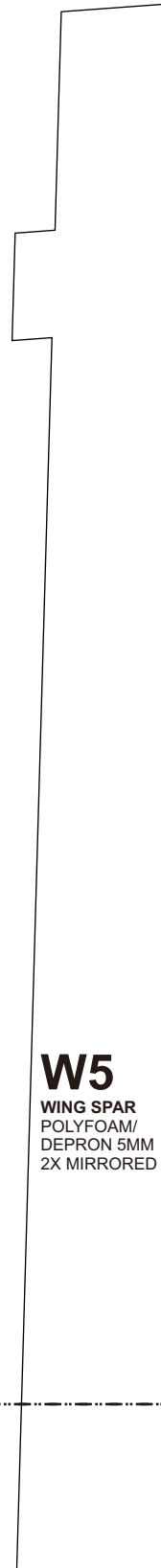
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WING SPAR  
POLYFOAM/  
DEPRON 5MM  
2X MIRRORED



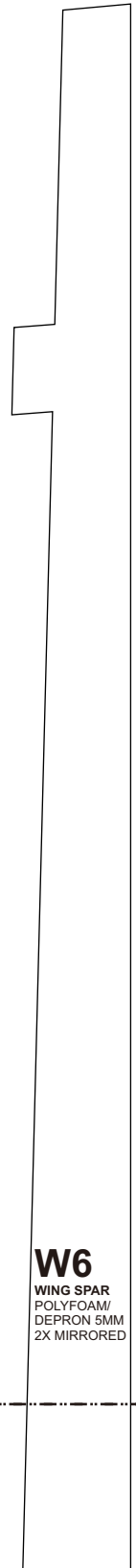
**W4**

WING SPAR  
POLYFOAM/  
DEPRON 5MM  
2X MIRRORED



**W5**

WING SPAR  
POLYFOAM/  
DEPRON 5MM  
2X MIRRORED



**W6**

WING SPAR  
POLYFOAM/  
DEPRON 5MM  
2X MIRRORED

JOIN HERE

**W6**  
WING SPAR  
POLYFOAM/  
DEPRON 5MM  
2X MIRRORED

JOIN HERE

**W3**

**W4**

**W5**

**W6**

JOIN HERE



JOIN HERE

W3

W4

W5

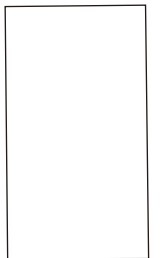
W6

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# W13

WING B  
POLYFOAM/  
DEPRON 5MM  
2X MIRRORED



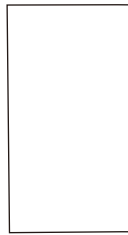
W13

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W13



**W13**

JOIN HERE

**N7**  
ENGINE MOUNTING  
POLYFOAM/  
DEPRON 5MM  
2X

**W13**

JOIN HERE

W13

JOIN HERE

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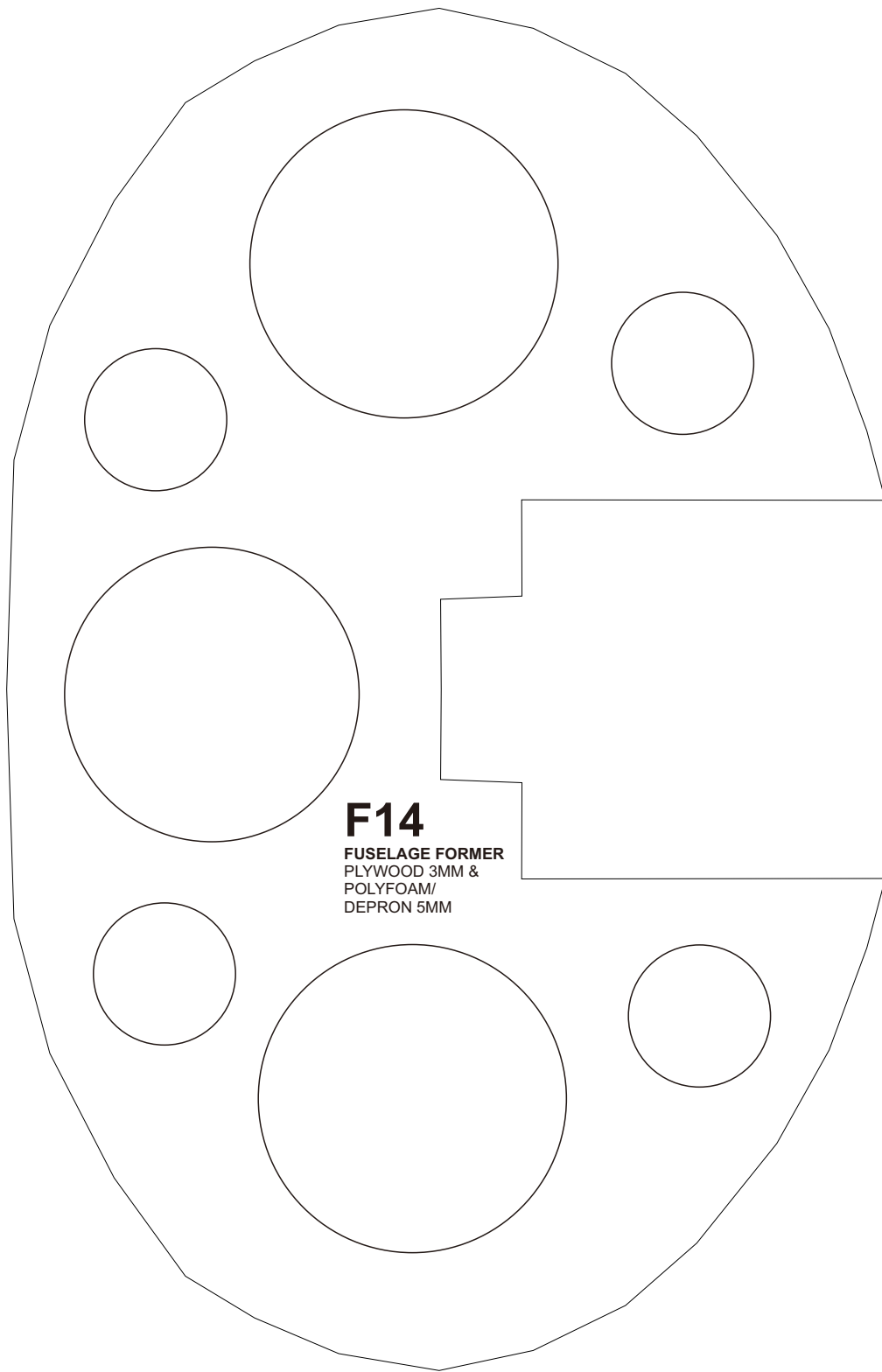
JOIN HERE

W13

JOIN HERE

JOIN HERE

W13



**F14**  
FUSELAGE FORMER  
PLYWOOD 3MM &  
POLYFOAM/  
DEPRON 5MM

IN HERE

W13

JOIN HERE

**N6**  
ENGINE NACELLE  
CARD  
2X

JOIN HERE

W13

JOIN HERE



JOIN HERE

W13

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**M1**

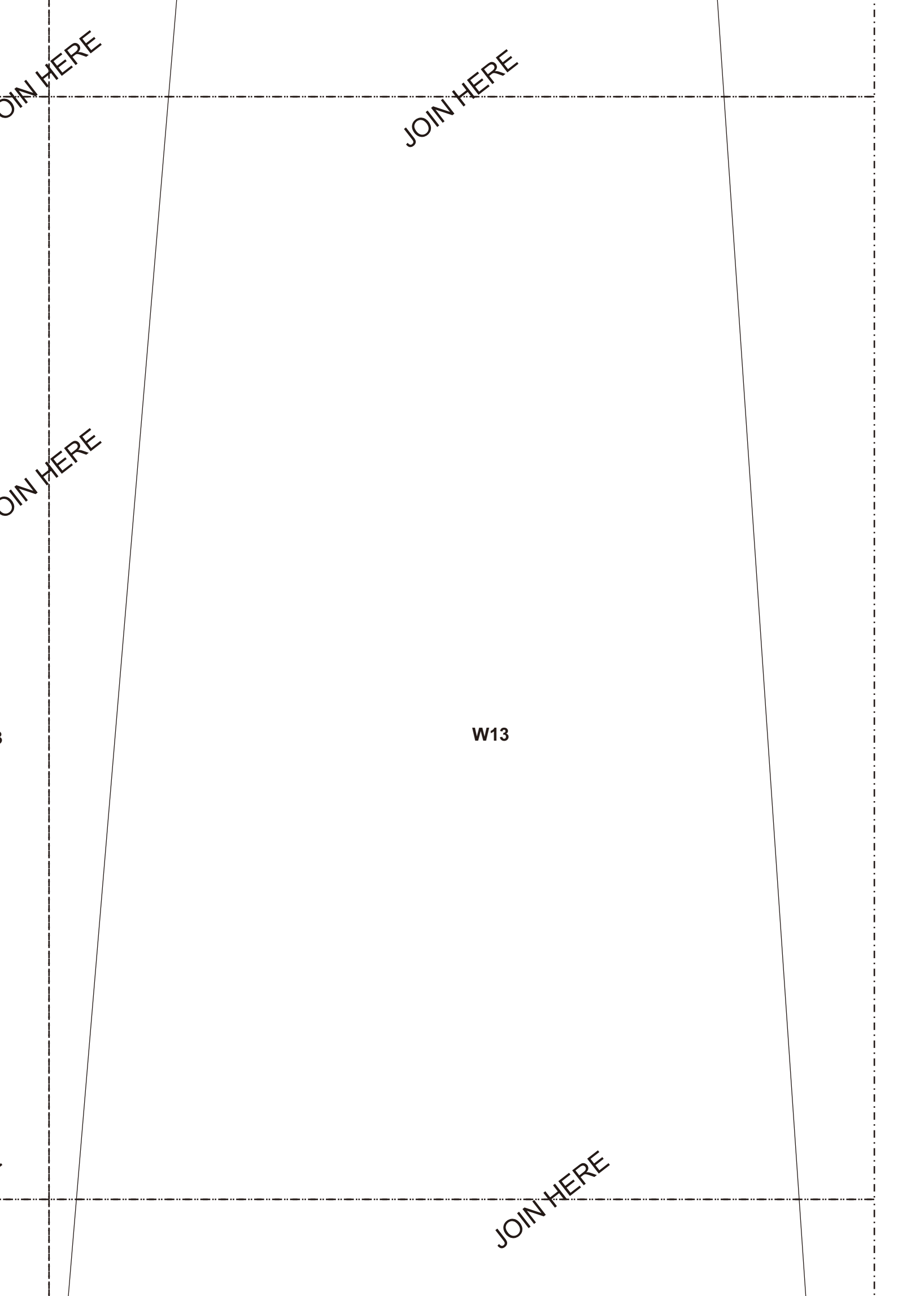
**M14**

WINGTIP  
POLYFOAM/  
DEPRON 5MM  
10X

JOIN HERE

**W13**

JOIN HERE



JOIN HERE

JOIN HERE

JOIN HERE

W13

JOIN HERE

# M1

**PUSHER MOTOR  
MOUNTING**  
POLYFOAM/  
DEPRON 5MM 2X +  
PLYWOOD 3MM 1X

JOIN HERE

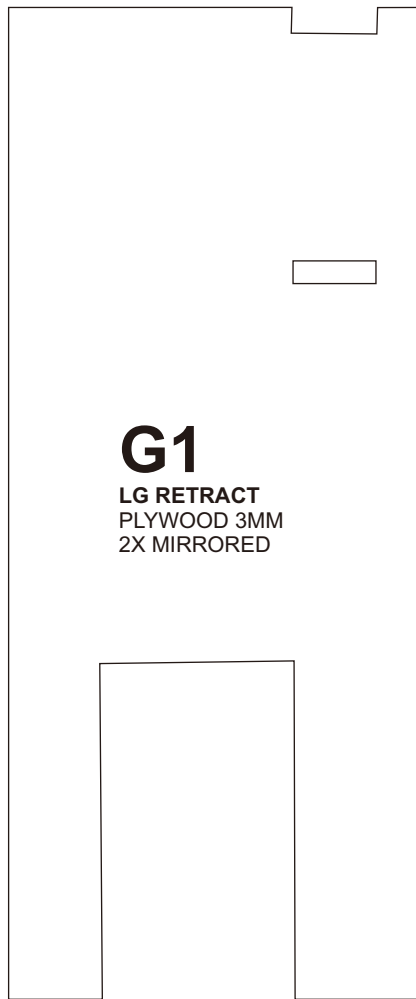
# M3

**MOTOR MOUNTING PLATE**  
PLYWOOD 3MM  
4X

# M2

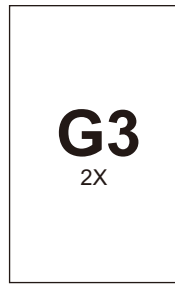
**MOTOR MOUNTING**  
PLYWOOD 3MM  
4X

JOIN HERE



**G1**

LG RETRACT  
PLYWOOD 3MM  
2X MIRRORED



**G3**

2X



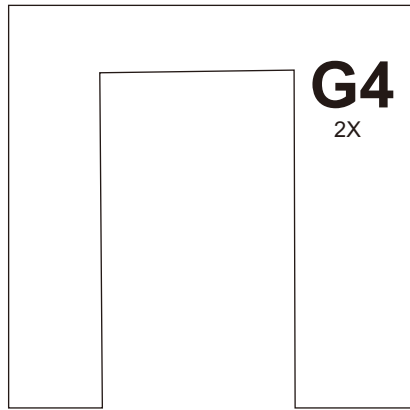
**G2**

2X MIRRORED



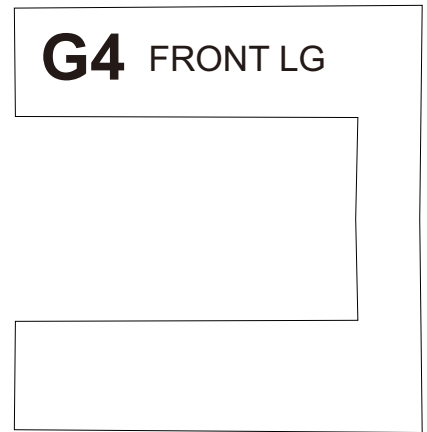
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2X MIRRORED

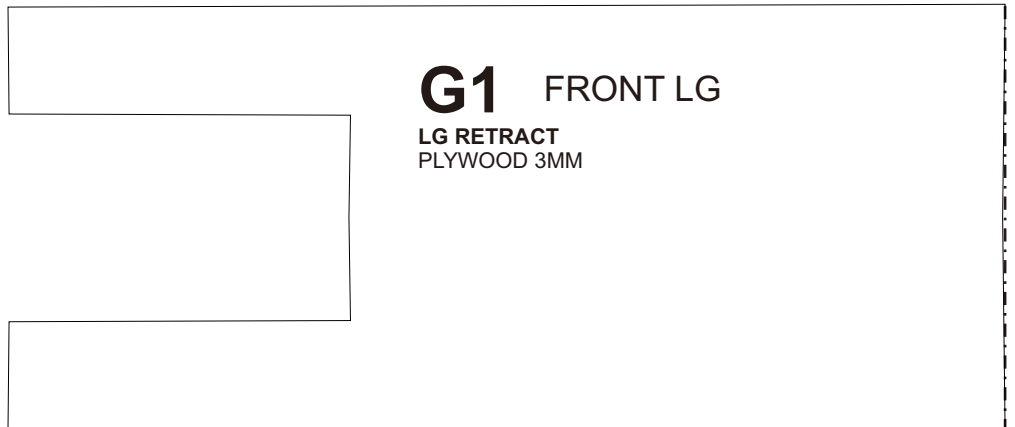


**G4**

2X



**G4** FRONT LG



**G1**

FRONT LG

LG RETRACT  
PLYWOOD 3MM

**W13**

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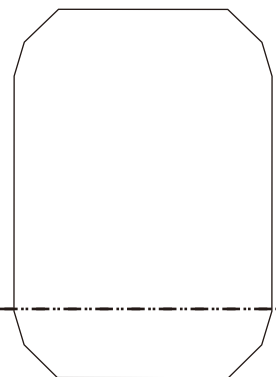
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# F1

FUSELAGE  
POLYFOAM/  
DEPRON 5MM

JOIN HERE

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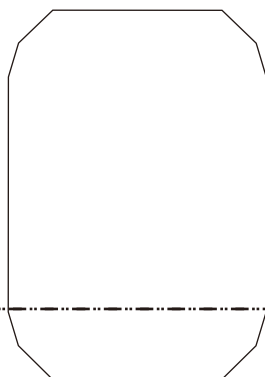
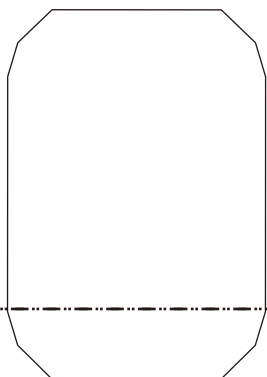


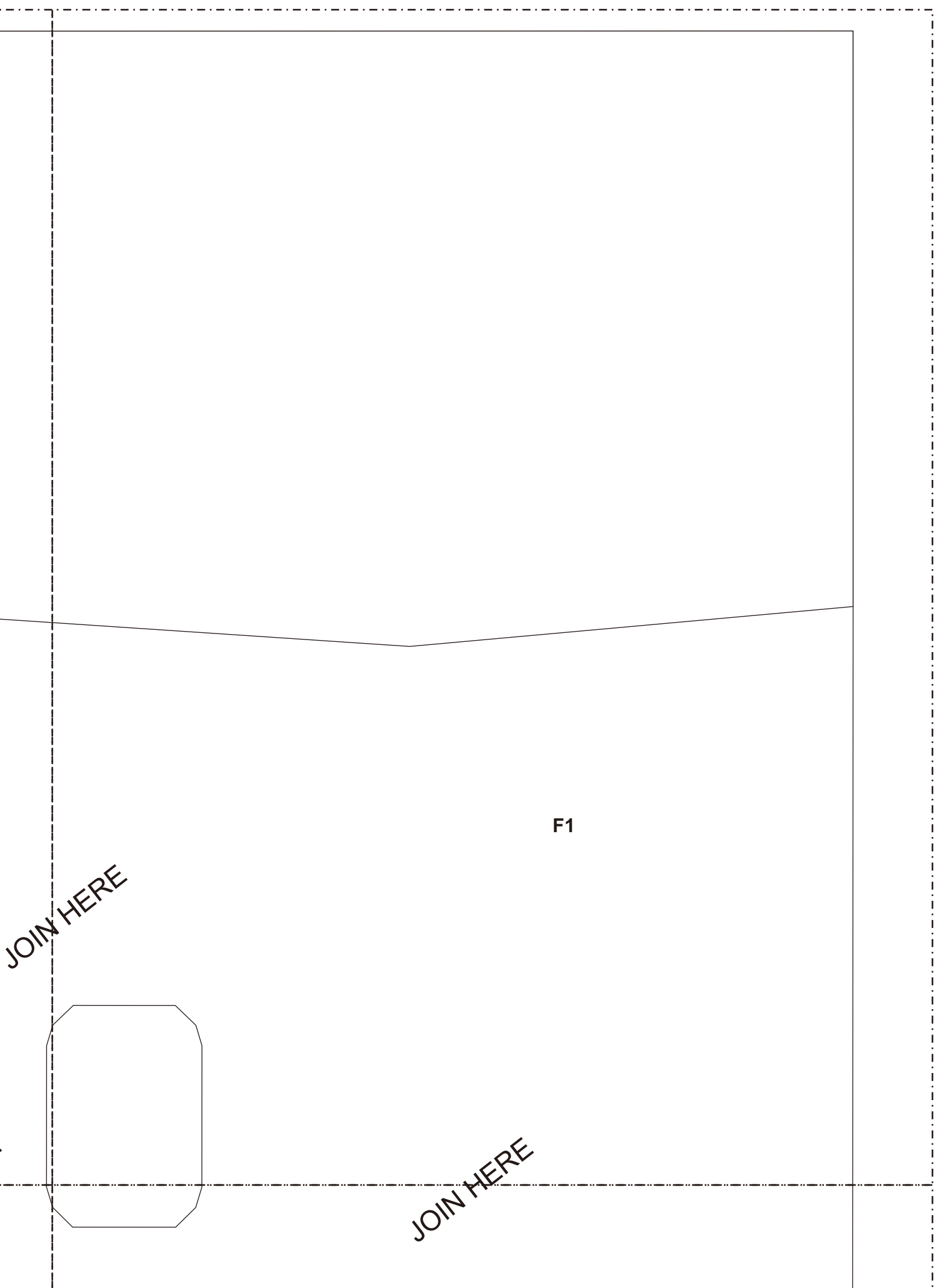
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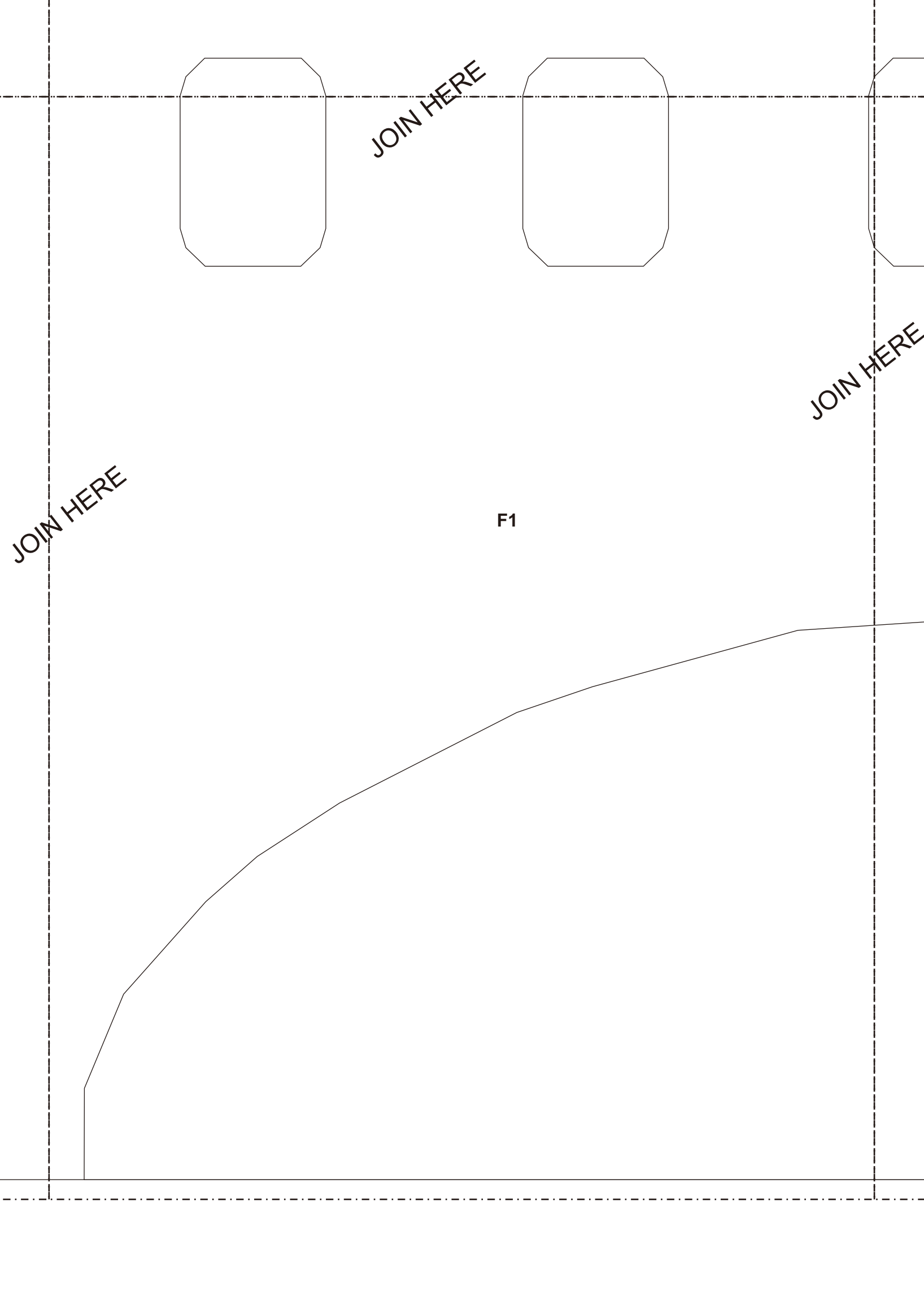
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**F1**



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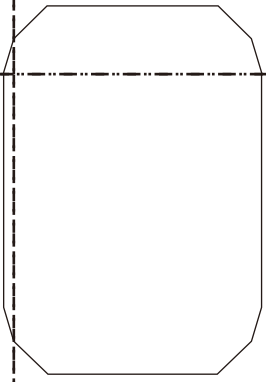
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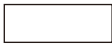
F1



**F2**

FUSELAGE FORMER  
POLYFOAM/  
DEPRON 5MM

JOIN HERE



JOIN HERE

**F2**

**F3**

FUSELAGE FORMER  
POLYFOAM/  
DEPRON 5MM

JOIN HERE



JOIN HERE

F3

JOIN HERE

JOIN HERE

F3

F21

WING  
MOUNTING  
POLYFOAM/  
DEPRON 5MM  
8X

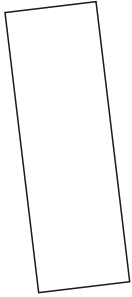
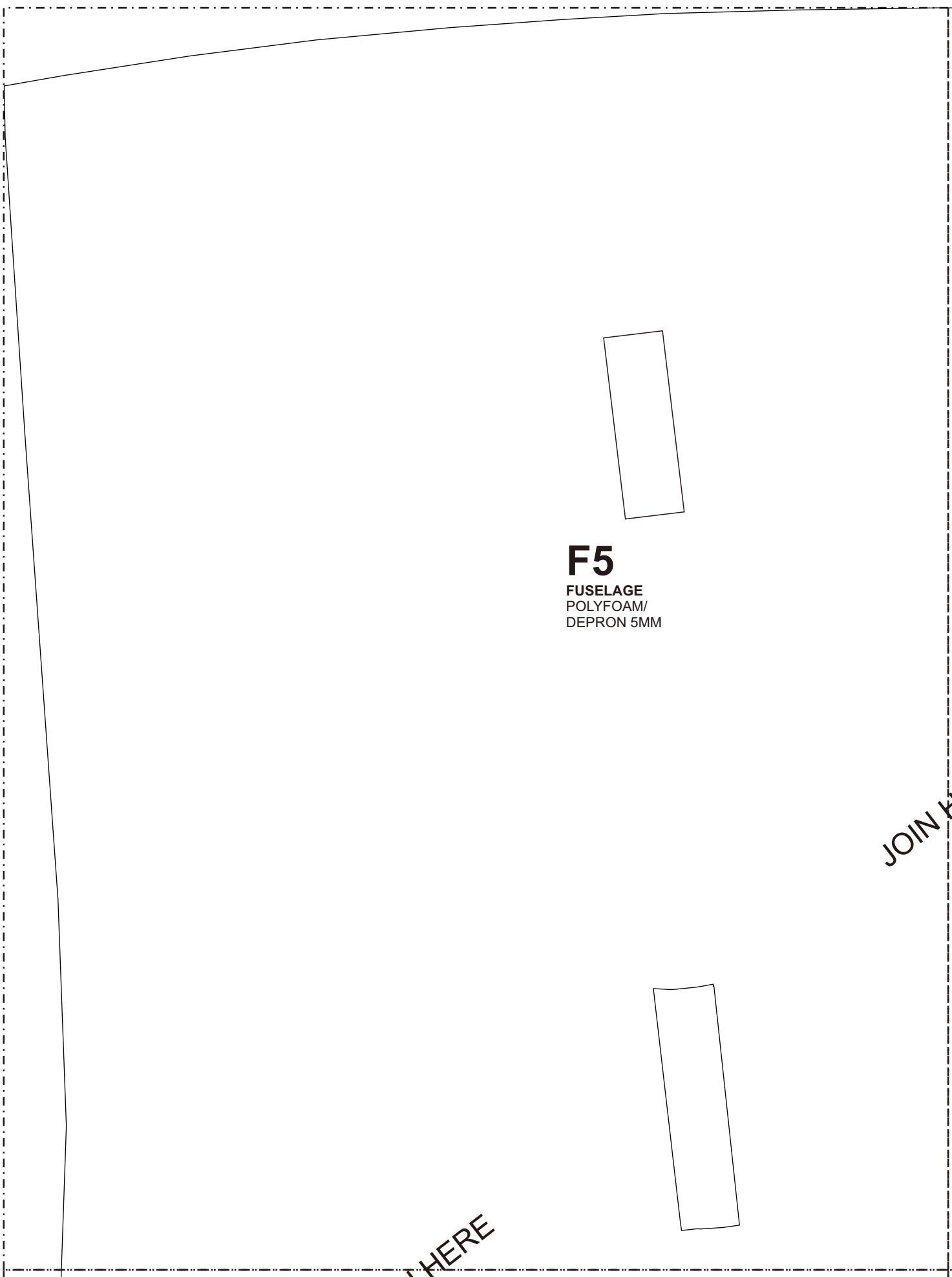
W18

WING  
MOUNTING  
PLYWOOD  
3MM  
4X



# F4

FUSELAGE FORMER  
POLYFOAM/  
DEPRON 5MM



**F5**

FUSELAGE  
POLYFOAM/  
DEPRON 5MM

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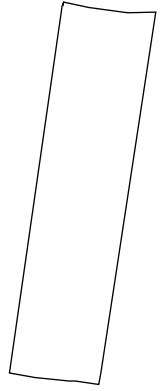
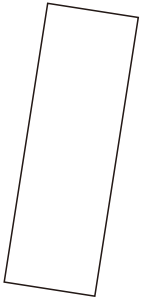
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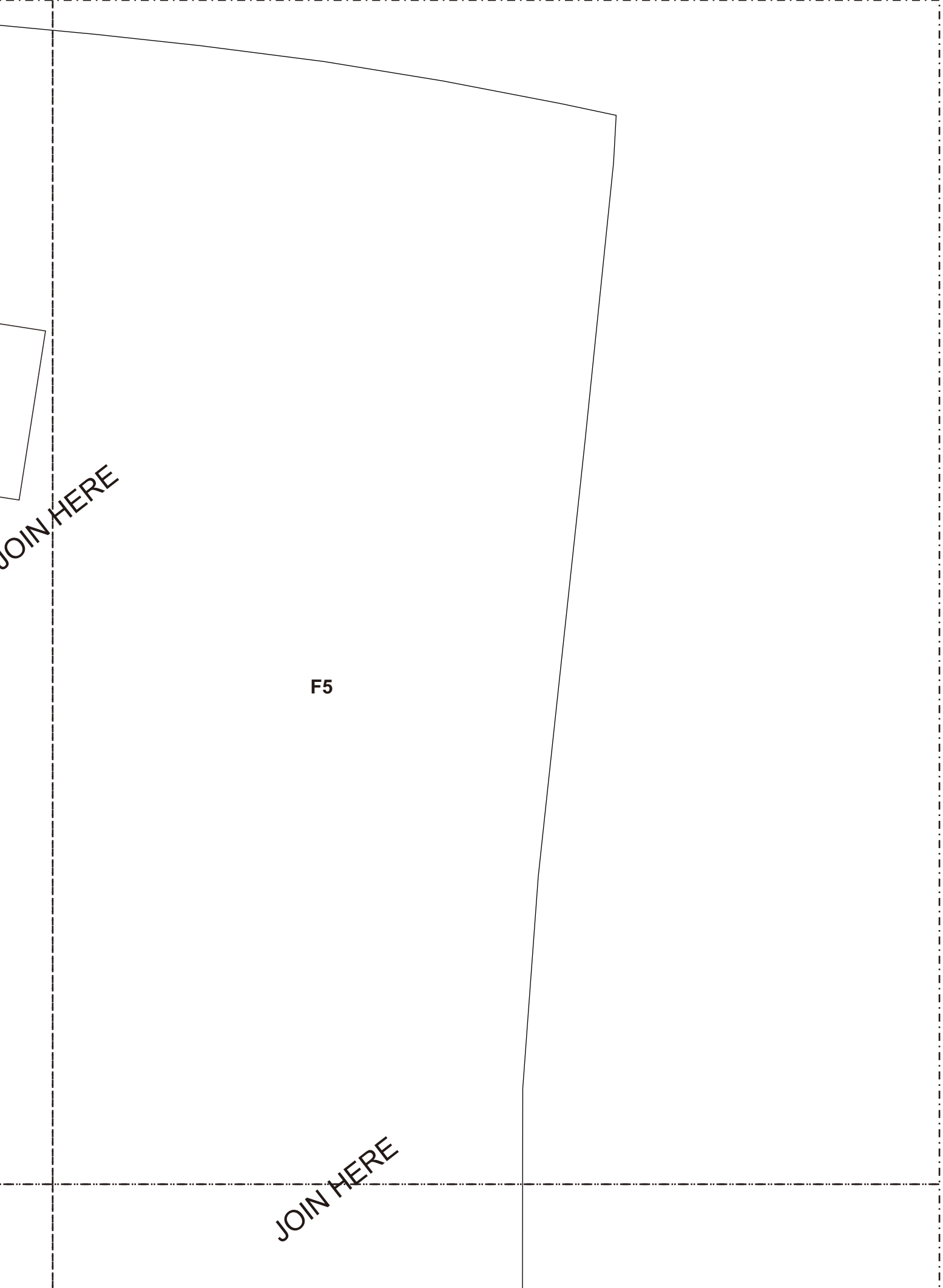
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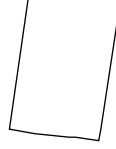
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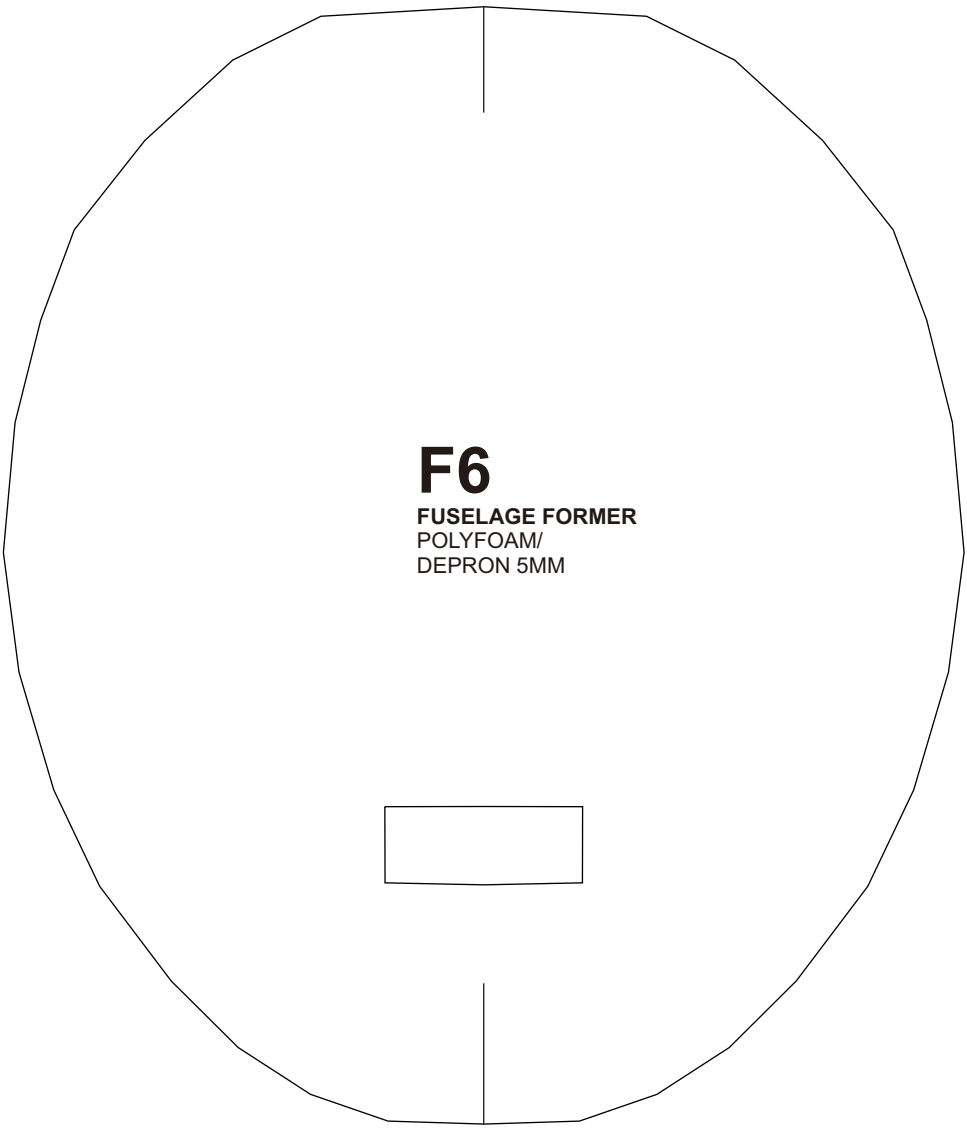




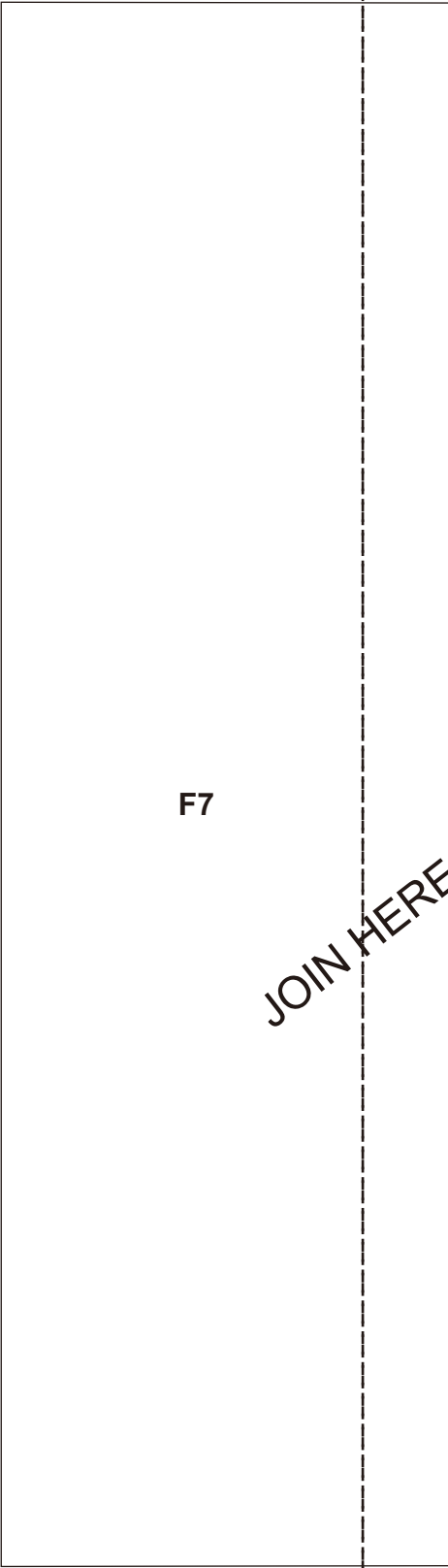
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**F6**  
FUSELAGE FORMER  
POLYFOAM/  
DEPRON 5MM

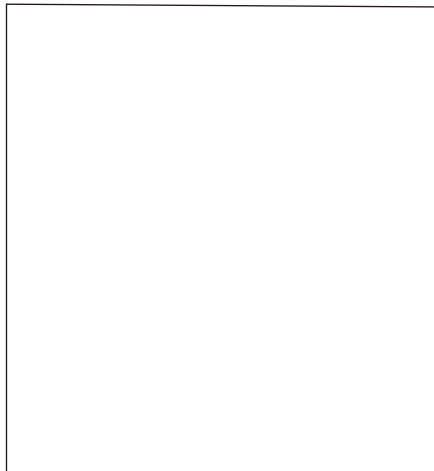


**F7**

JOIN HERE

JOIN HERE

**F7**  
FUSELAGE  
POLYFOAM/  
DEPRON 5MM



**F17**

FUSELAGE  
POLYFOAM/  
DEPRON 5MM  
2X MIRRORED

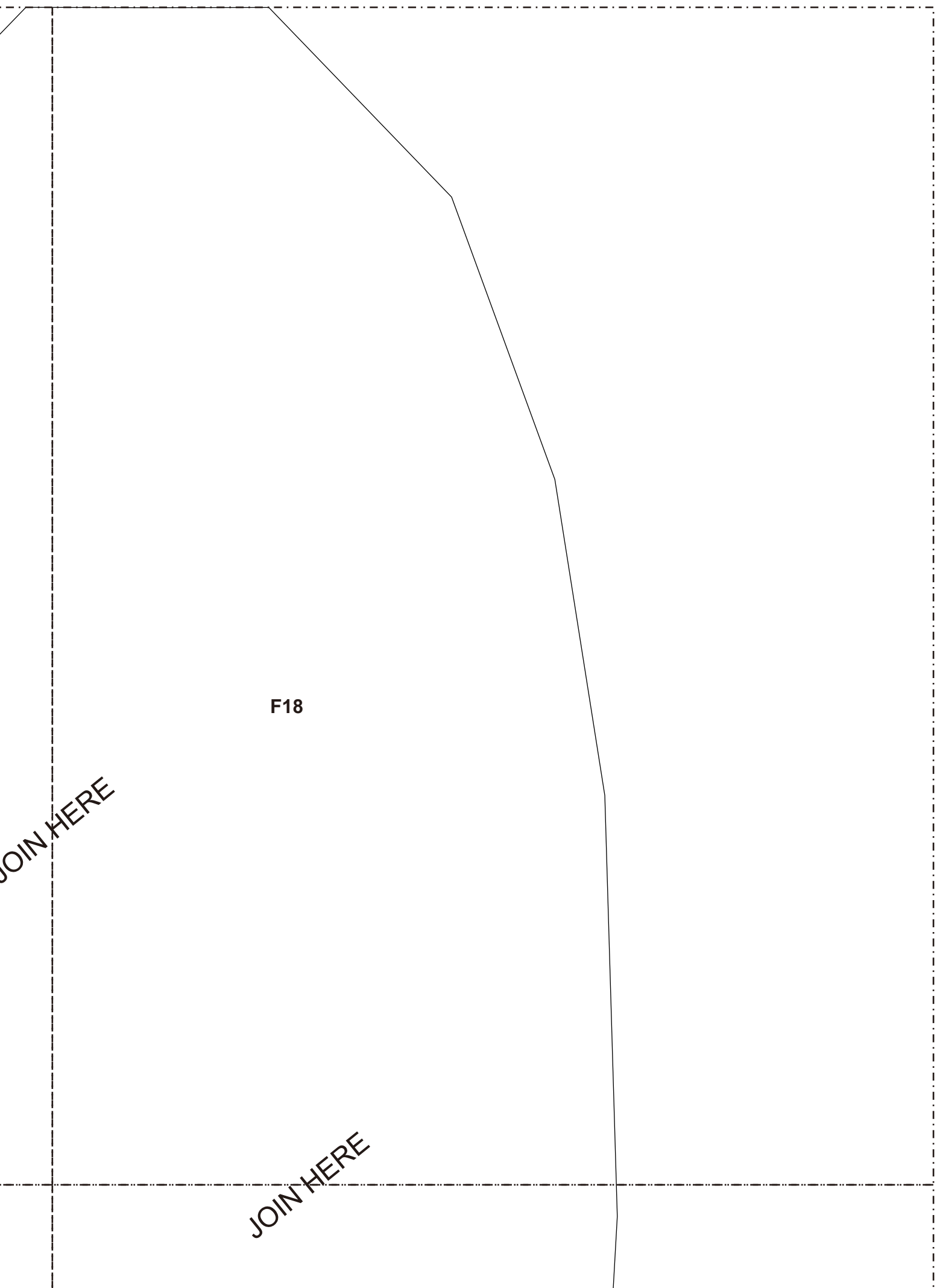
**F18**

FUSELAGE  
POLYFOAM/  
DEPRON 5MM

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F18

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F17

JOIN HERE

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**F18**

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F17

F18

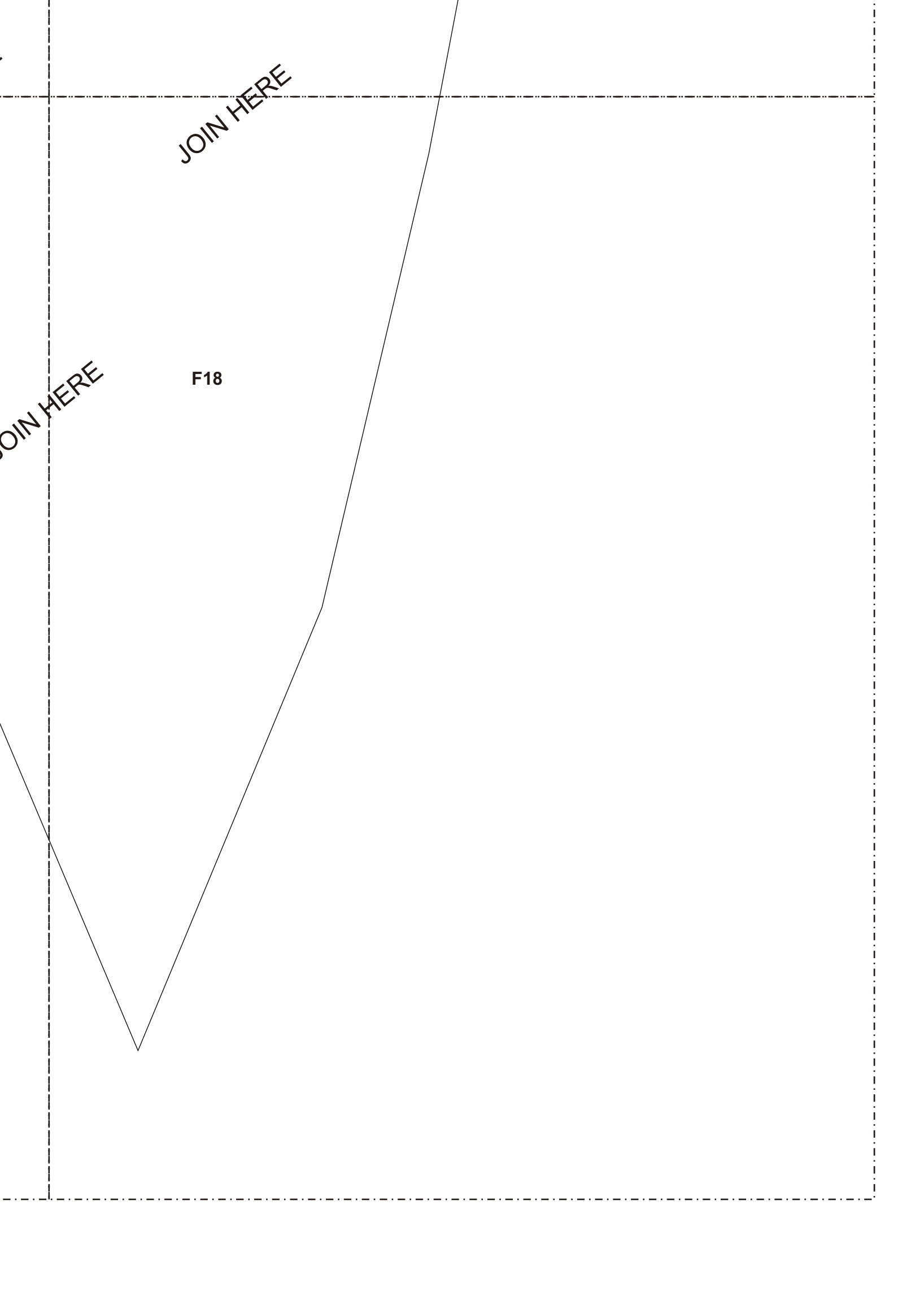
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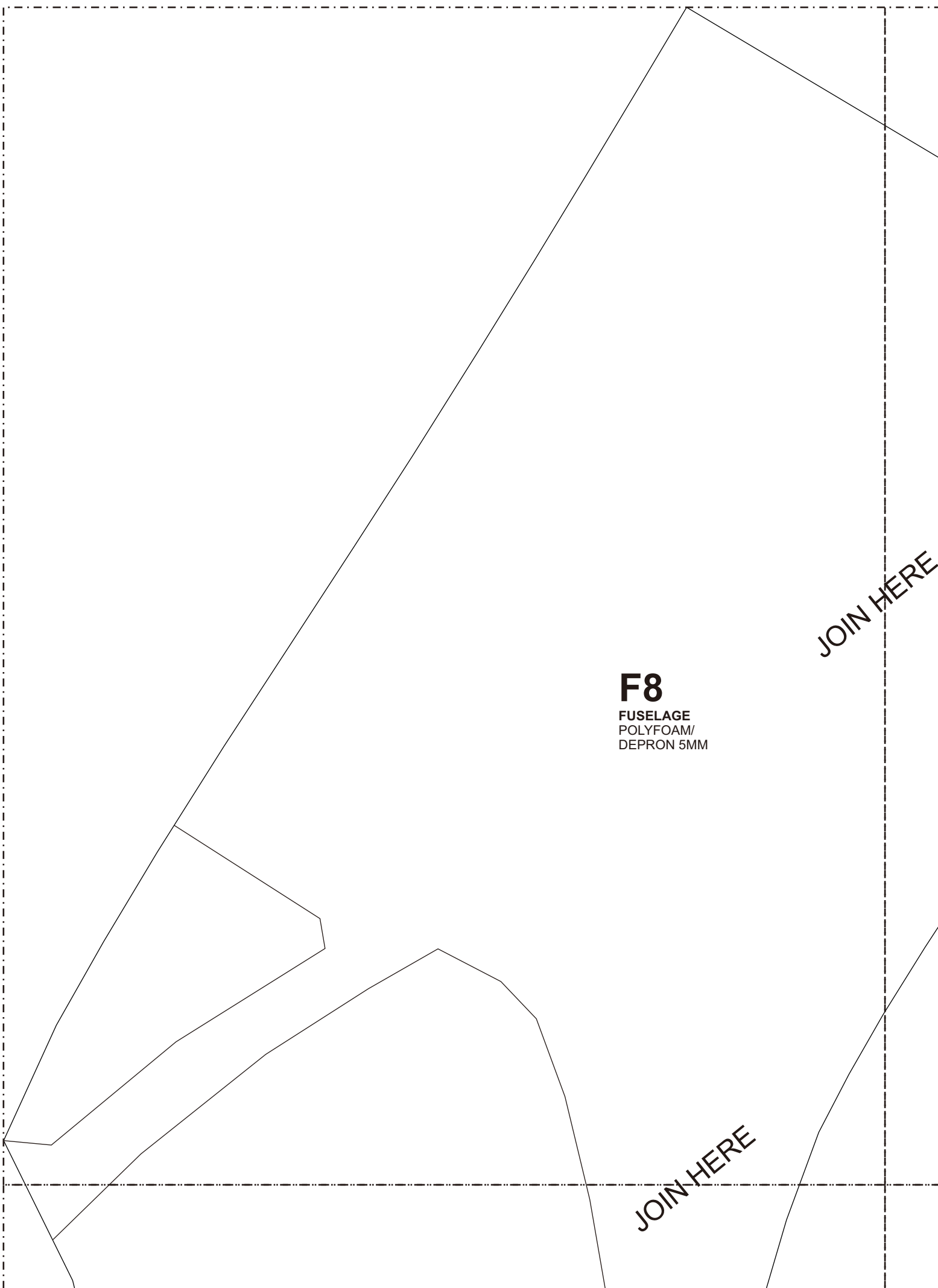


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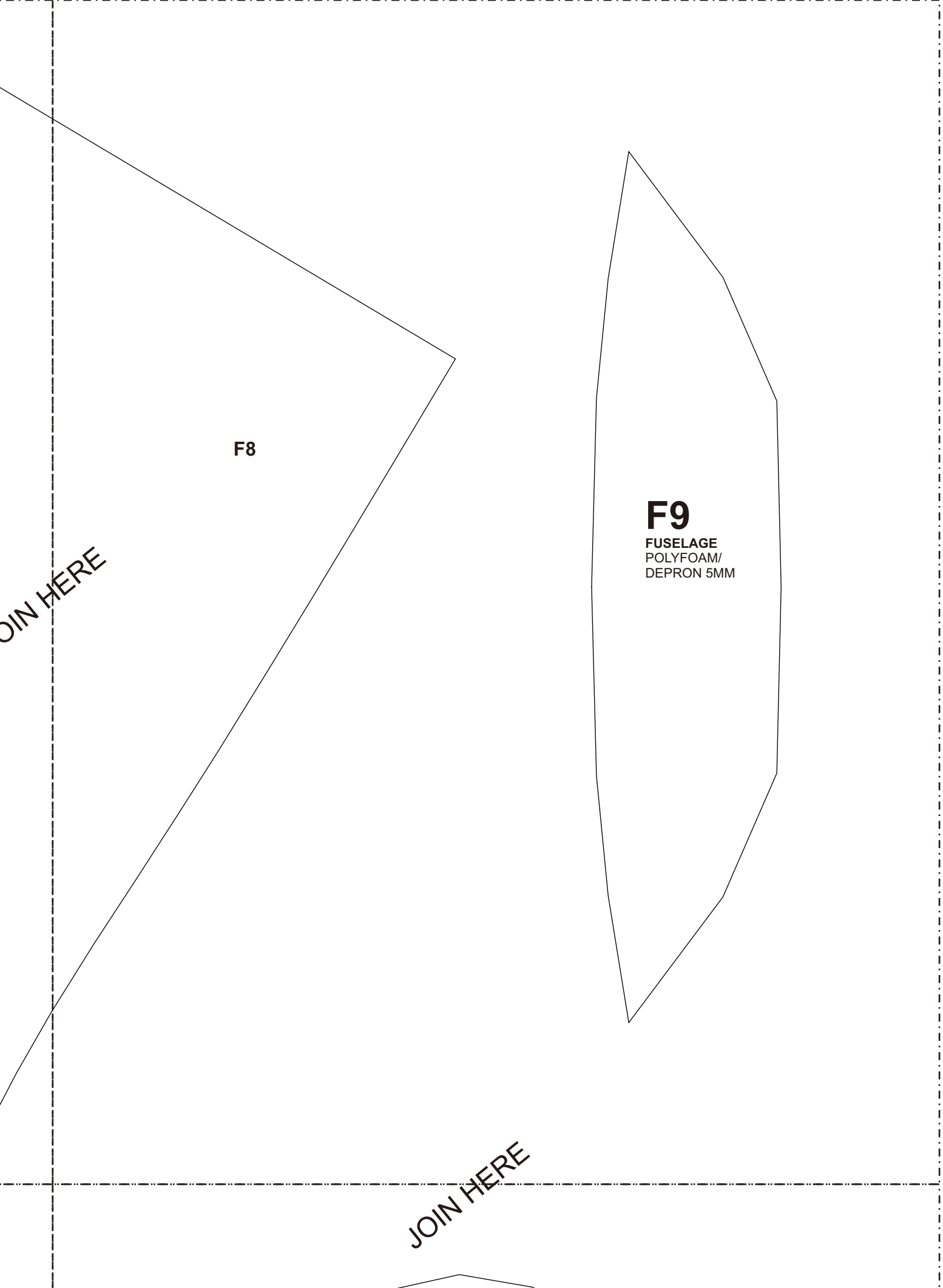


**F8**

FUSELAGE  
POLYFOAM/  
DEPRON 5MM

JOIN HERE

JOIN HERE



**F8**

**F9**

FUSELAGE  
POLYFOAM/  
DEPRON 5MM

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# F10

FUSELAGE FORMER  
POLYFOAM/  
DEPRON 5MM

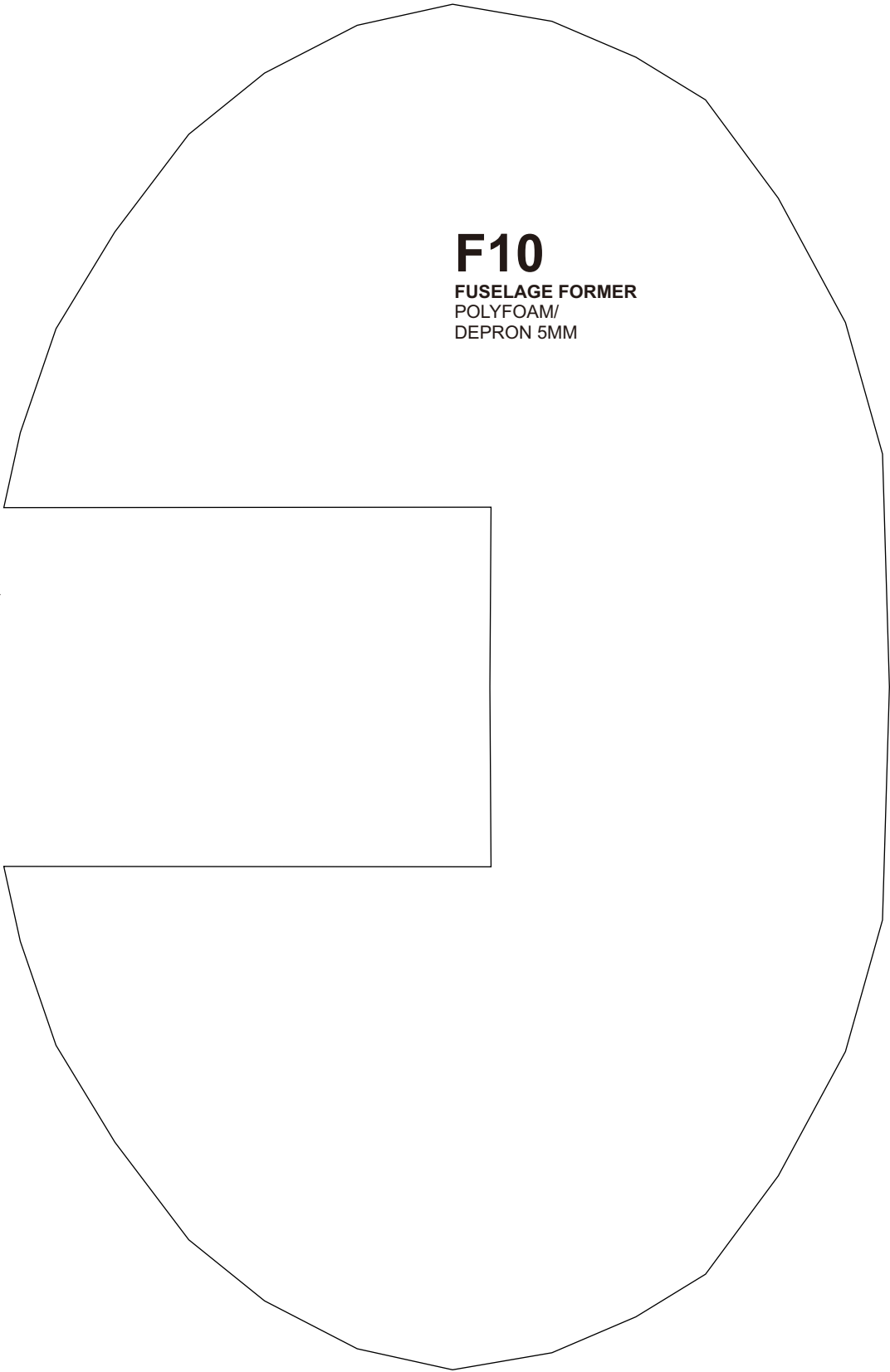
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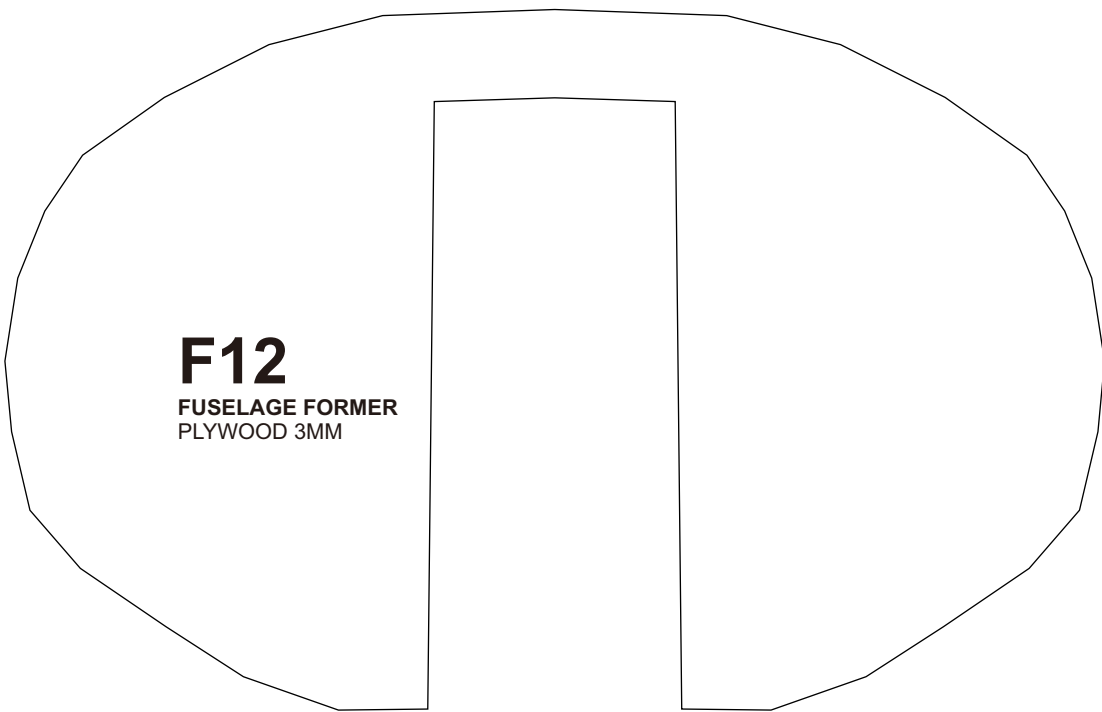
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**F12**  
FUSELAGE FORMER  
PLYWOOD 3MM



**F11**

FUSELAGE  
POLYFOAM/  
DEPRON 5MM

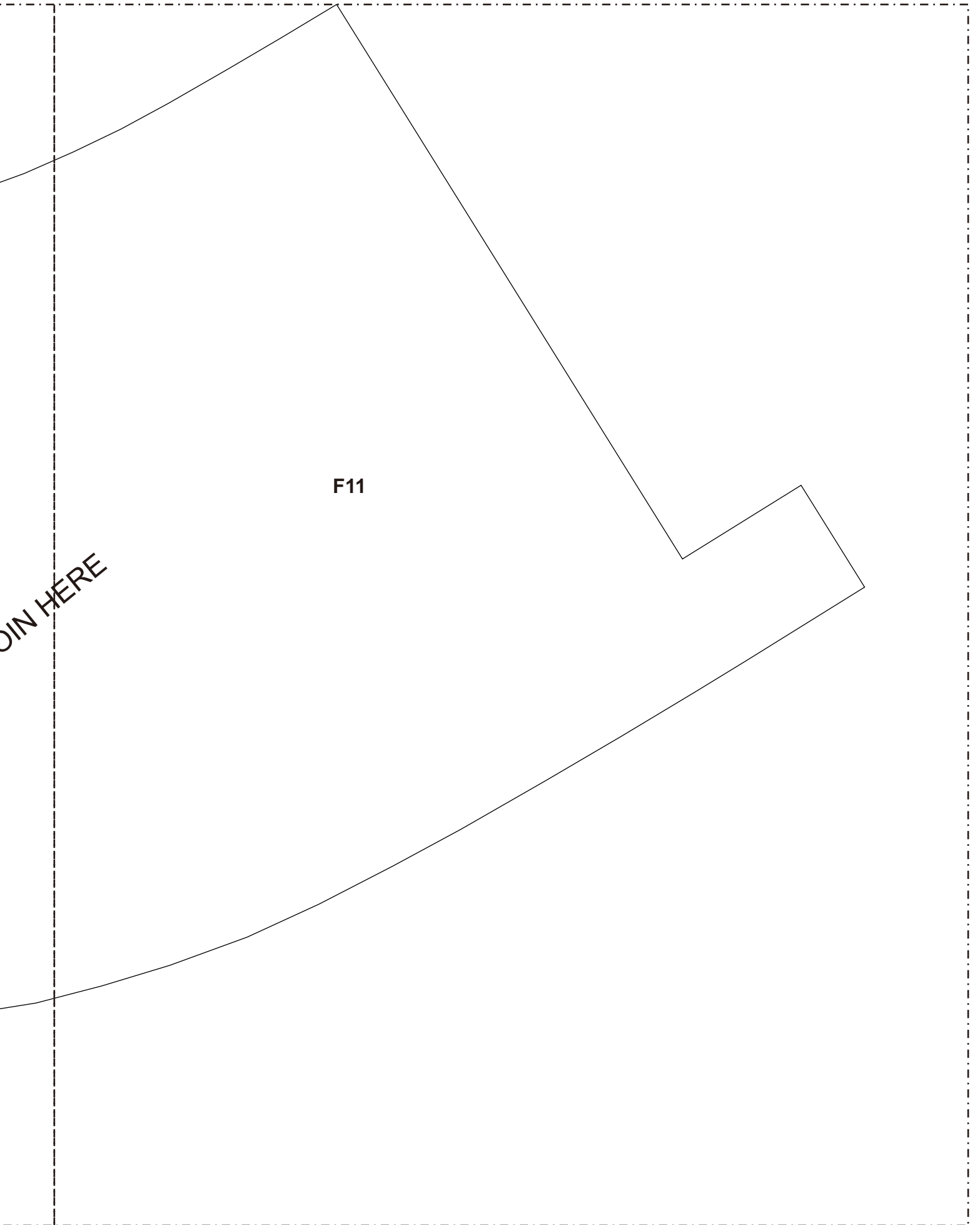
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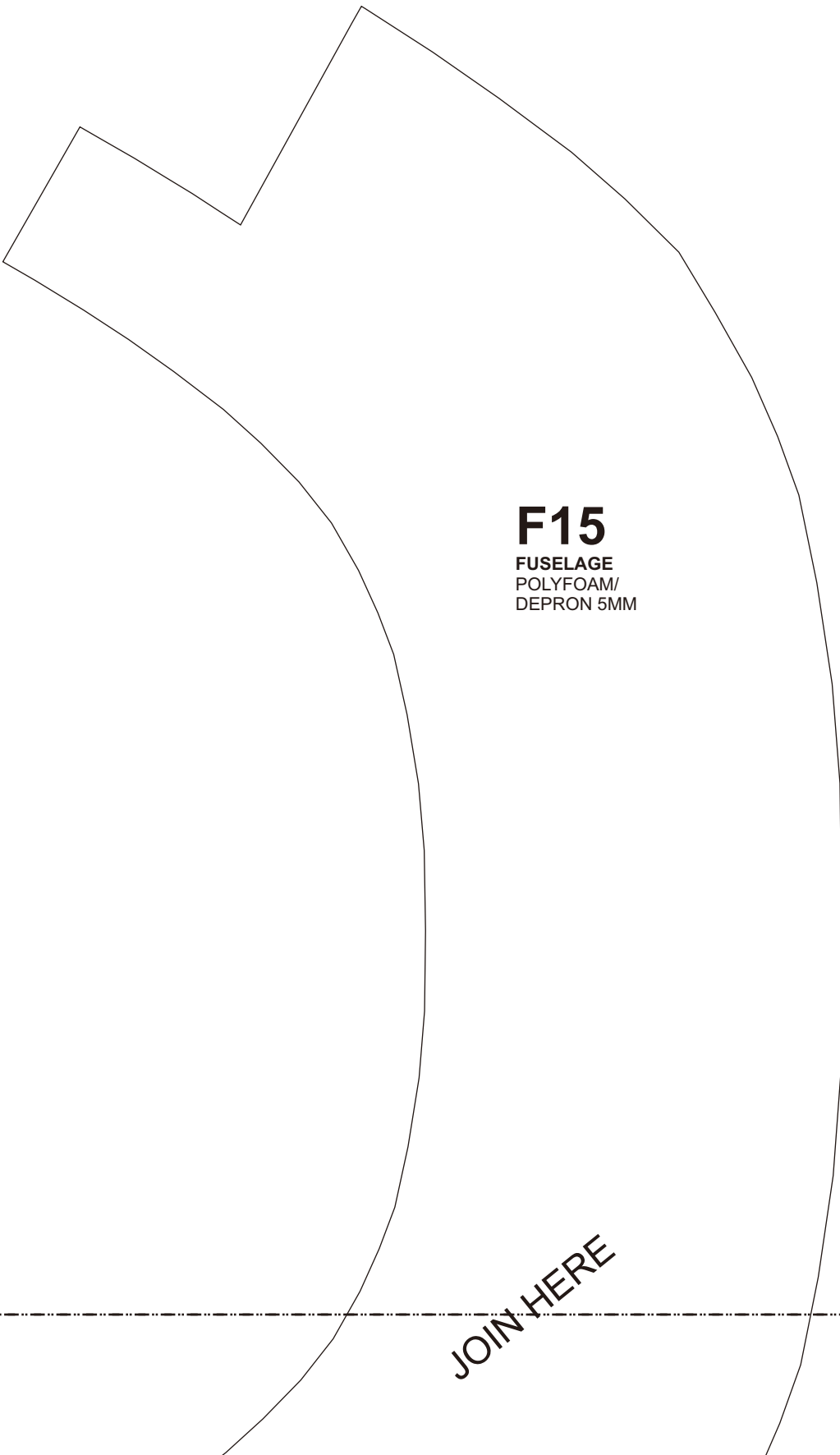
F11

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**F11**

JOIN HERE



# F15

FUSELAGE  
POLYFOAM/  
DEPRON 5MM

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**F15**

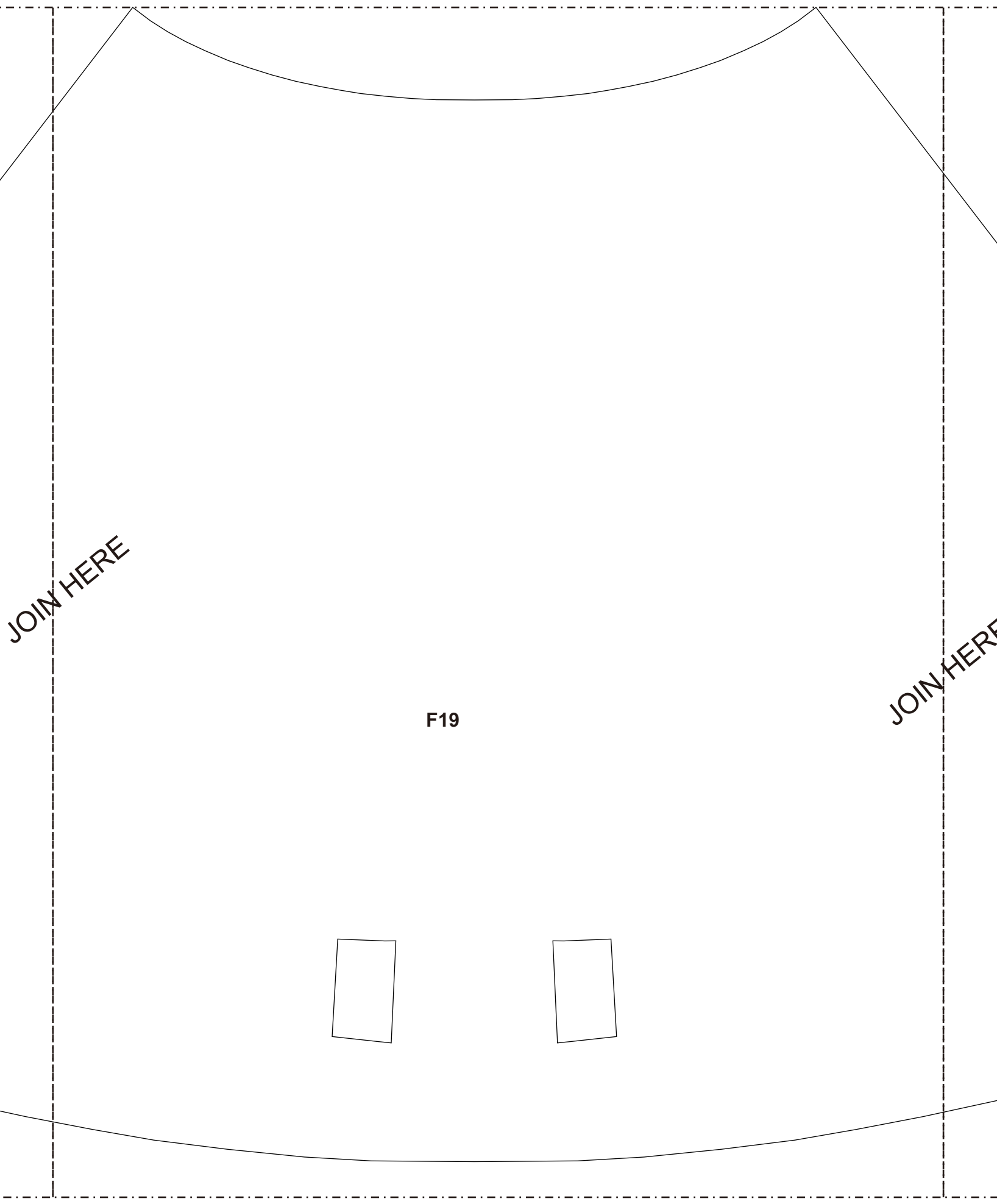
**F16**

FUSELAGE  
POLYFOAM/  
DEPRON 5MM  
8X

JOIN HERE

**F19**

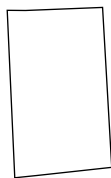
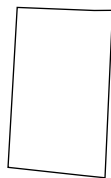
FUSELAGE  
POLYFOAM/  
DEPRON 5MM



JOIN HERE

JOIN HERE

F19



JOIN HERE

F19



**F20**

FUSELAGE  
POLYFOAM/  
DEPRON 5MM

**S6**

VERTICAL STAB  
POLYFOAM/  
DEPRON 5MM

**S3**

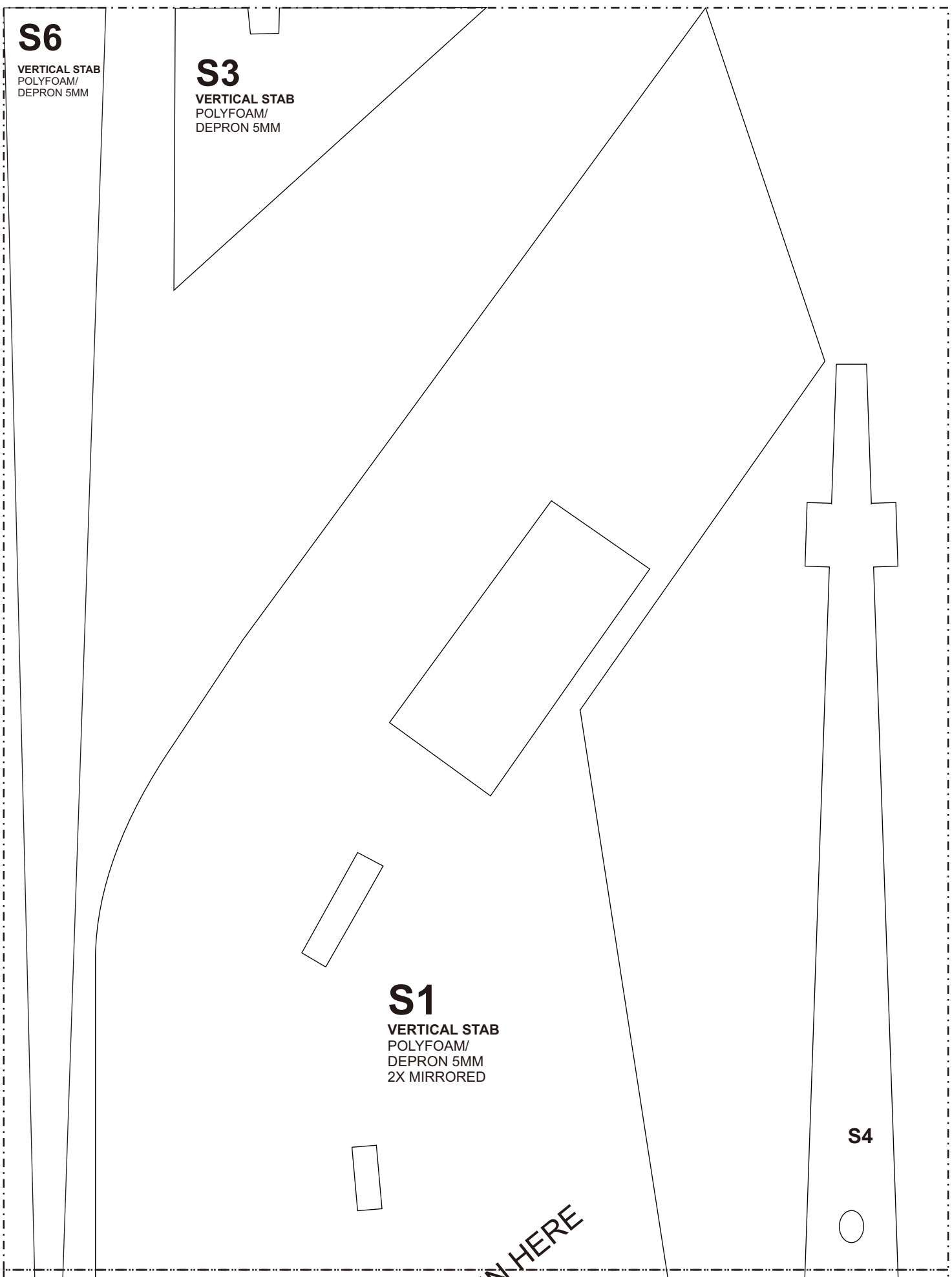
VERTICAL STAB  
POLYFOAM/  
DEPRON 5MM

**S1**

VERTICAL STAB  
POLYFOAM/  
DEPRON 5MM  
2X MIRRORED

**S4**

JOIN HERE





JOIN HERE

**S4**

VERTICAL STAB  
POLYFOAM/  
DEPRON 5MM

S1

**S2**

VERTICAL STAB  
POLYFOAM/  
DEPRON 5MM

S5

**S5**

VERTICAL STAB  
POLYFOAM/  
DEPRON 5MM

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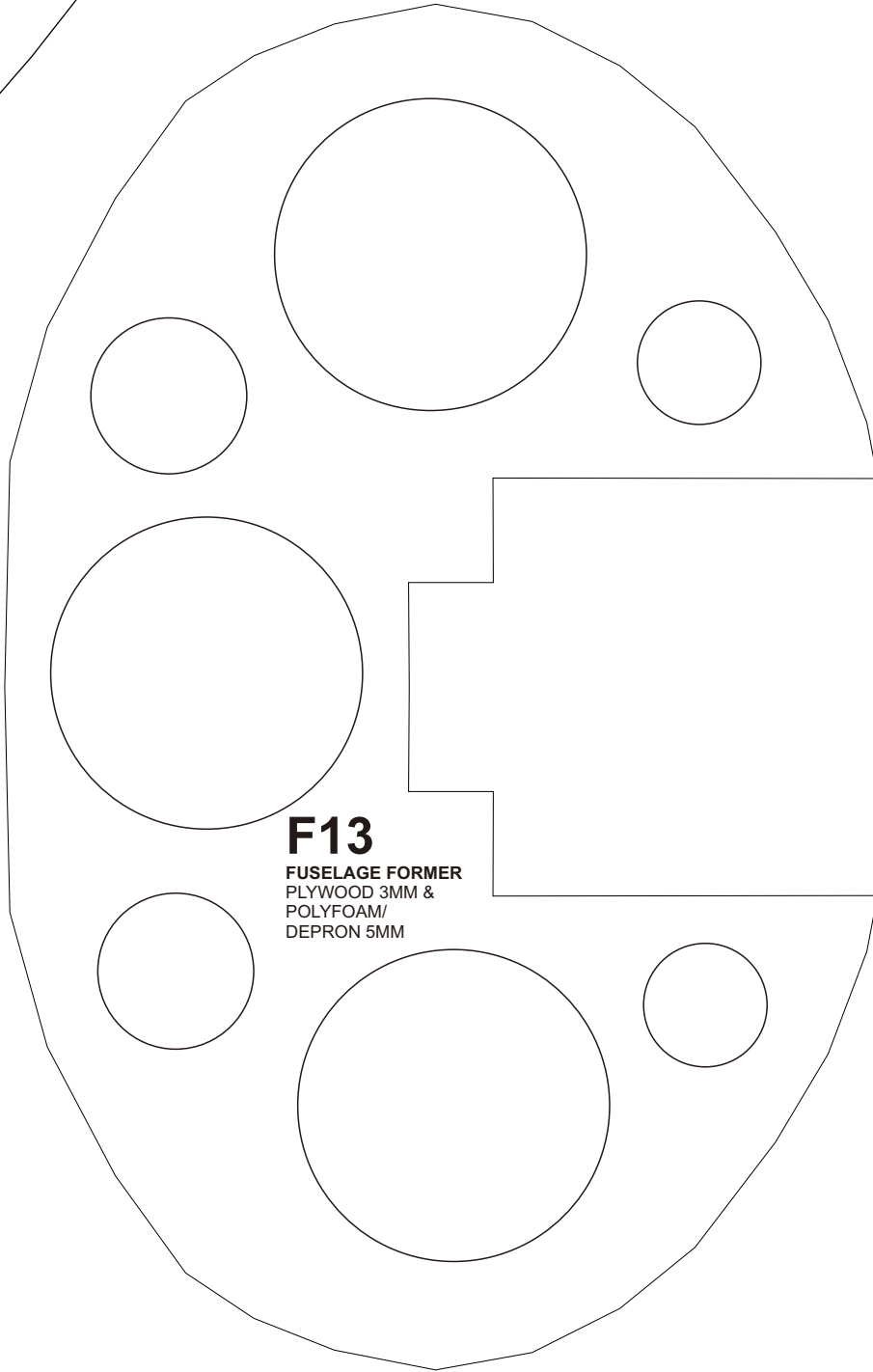
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S5

**S5**

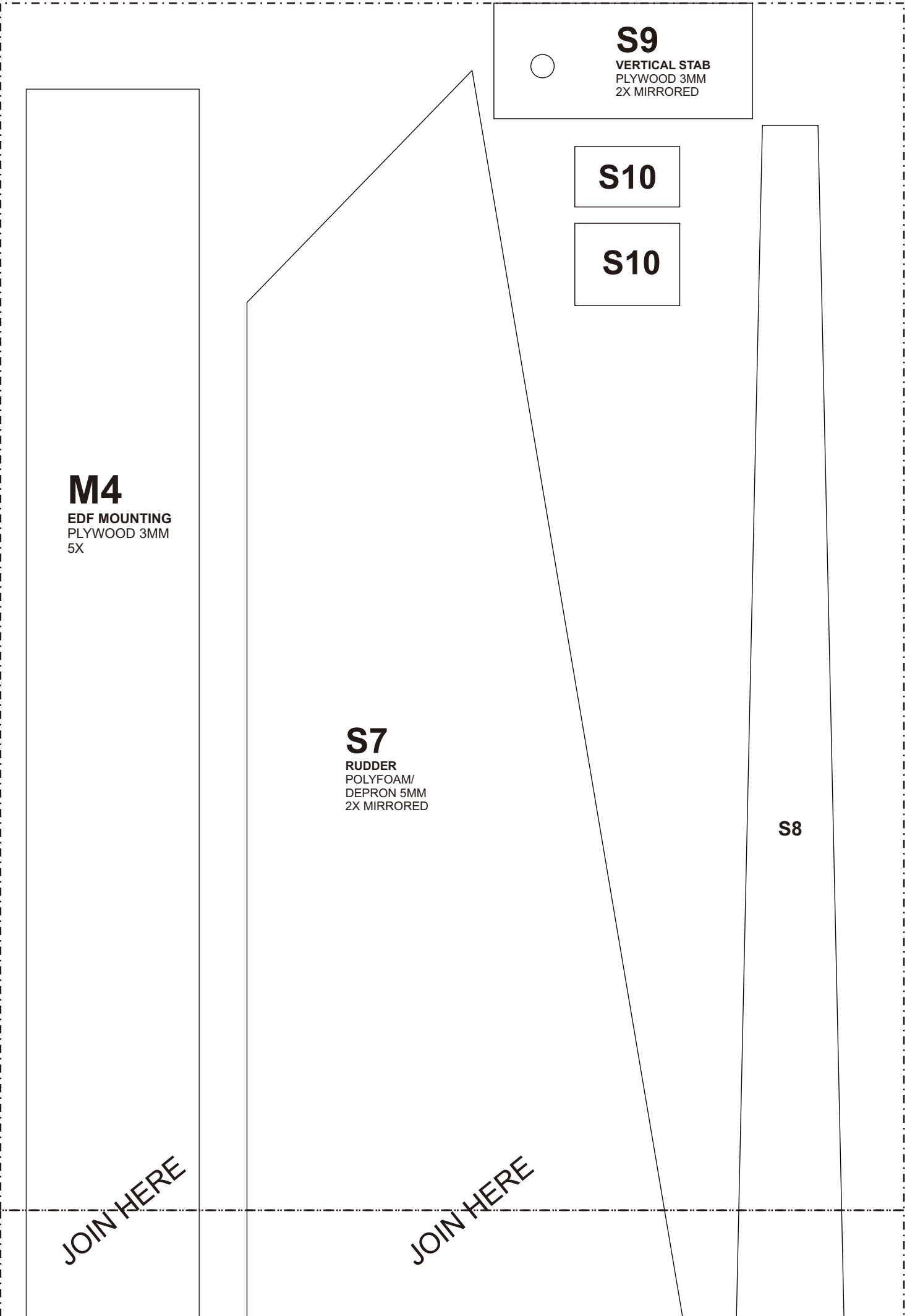
VERTICAL STAB  
POLYFOAM/  
DEPRON 5MM

S1



**F13**

FUSELAGE FORMER  
PLYWOOD 3MM &  
POLYFOAM/  
DEPRON 5MM



**M4**

EDF MOUNTING  
PLYWOOD 3MM  
5X

**S7**

RUDDER  
POLYFOAM/  
DEPRON 5MM  
2X MIRRORED

**S9**

VERTICAL STAB  
PLYWOOD 3MM  
2X MIRRORED

**S10**

**S10**

**S8**

JOIN HERE

JOIN HERE

JOIN HERE

JOIN HERE

**M4**

**S7**

**S8**

**RUDDER**  
POLYFOAM/  
DEPRON 5MM  
3X

### Additional Details plywood 3mm

**D4**

**D3**

**D2**

**D1**

**D5**

**D5**

**D6**

Depron 3mm

**S12**  
ELEVATOR  
POLYFOAM/  
DEPRON 5MM  
4X MIRRORED

**S11**  
HORIZONTAL STAB  
POLYFOAM/  
DEPRON 5MM  
4X MIRRORED

JOIN HERE

JOIN HERE

S12

S11

**N1**

**ENGINE NACELLE**  
POLYFOAM/  
DEPRON 5MM  
2X

**N3**

JOIN HERE

JOIN HERE

JOIN HERE

**N3**

ENGINE NACELLE  
POLYFOAM/  
DEPRON 3MM  
2X

**N2**

JOIN HERE

**N4**

ENGINE  
NACELLE  
POLYFOAM/  
DEPRON 3MM  
2X

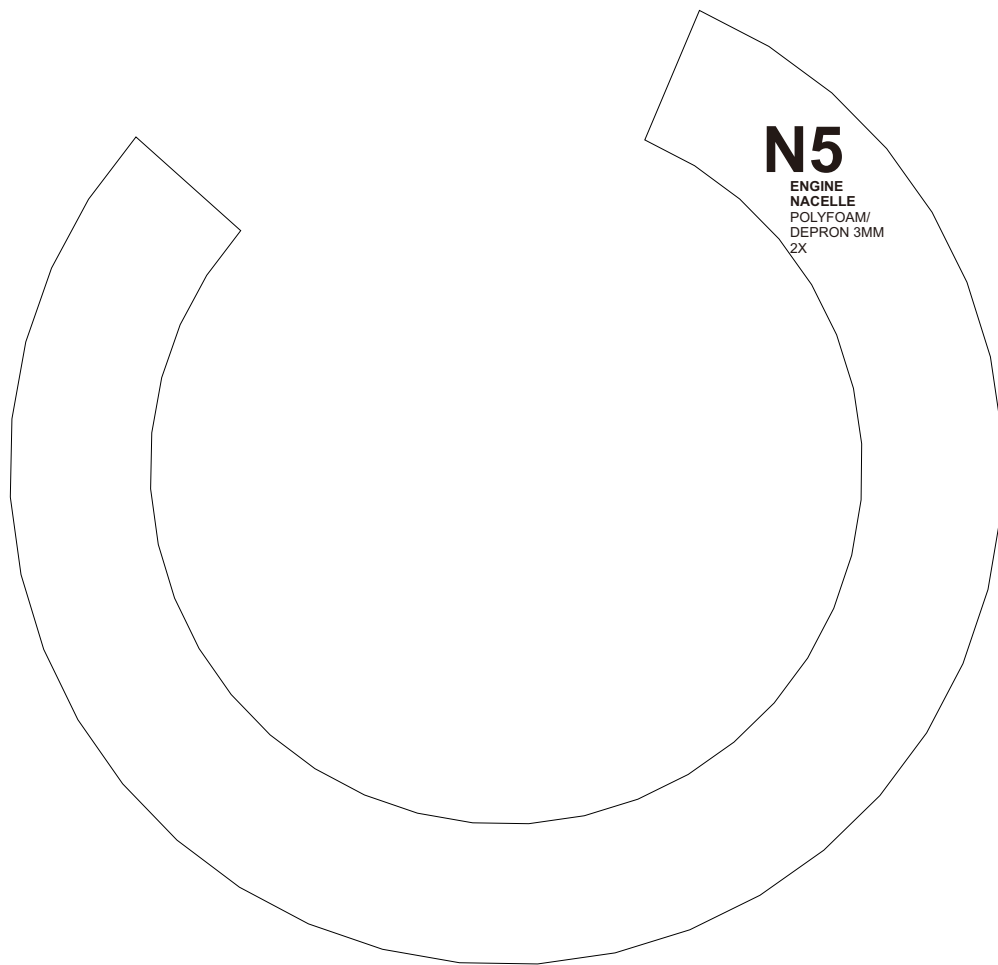
JOIN HERE



JOIN HERE

**N1**

**N5**  
ENGINE  
NACELLE  
POLYFOAM/  
DEPRON 3MM  
2X



JOIN HERE

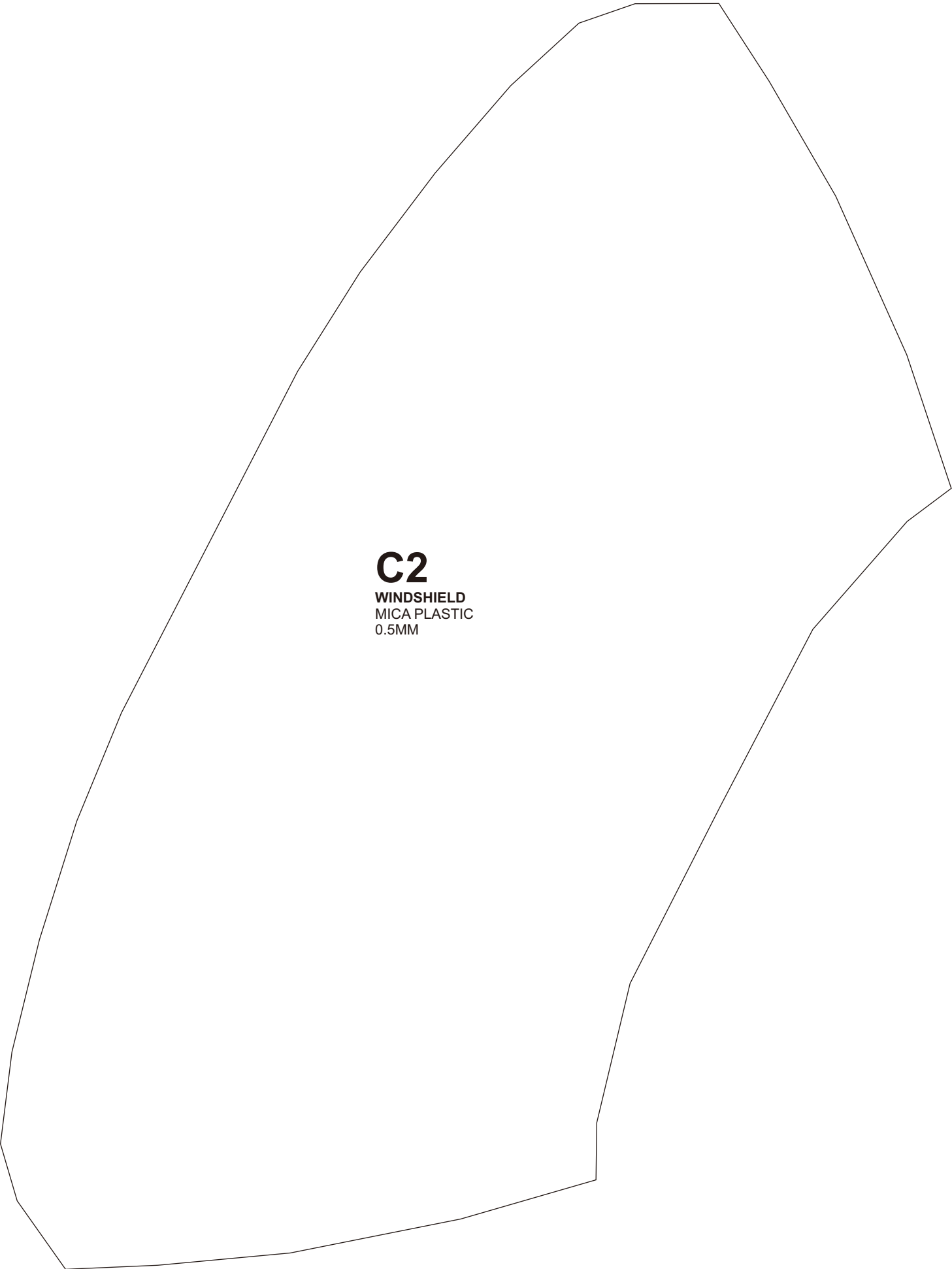
JOIN HERE

**N2**

ENGINE NACELLE  
POLYFOAM/  
DEPRON 5MM  
2X

# N8

EDF 70MM THRUST TUBE  
POLYFOAM/  
DEPRON 3MM  
2X



**C2**

WINDSHIELD  
MICA PLASTIC  
0.5MM