



Model : 50/2024



# F-8 Crusader

## 1000mm

### Pusher Prop Specs :

1. Wingspan 1080mm / 42.5 inches
2. Flying weight : 1600 grams/ 56.4 oz
3. Wing loading : 41 gram/dm<sup>2</sup> - 13.4 oz/sq.ft.
4. Wing cube loading : 6.6
5. Wing Area : 38.98 dm<sup>2</sup> / 604 sq.in.
6. CG : 26 cm from wing start point (see plans)

### EDF Specs :

1. Wingspan 1080mm / 42.5 inches
2. Flying weight : 2500 grams/ 88.2 oz
3. Wing loading : 64.1 gram/dm<sup>2</sup> - 21 oz/sq.ft.
4. Wing cube loading : 10.3
5. Wing Area : 38.98 dm<sup>2</sup> / 604 sq.in.
6. CG : 26 cm from wing start point (see plans)

### Electronics for test (pusher prop)

- NTM Propdrive 2700kv
- Prop 7x5 sport
- 75A ESC
- Battery Lipo 4S 2200mah
- 4 x 9 gram servos (micro servo)

### Electronics for test (EDF)

- Freewing 80mm 12 blades 6S EDF
- Freewing 100A ESC
- Battery Lipo 4S 5600mah
- 4 x 9 gram servos (micro servo)

### Transmitter

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

### Materials :

1. 5mm Foamboard/ Depron/ Polyfoam
2. 10mm Carbon Tube/ Bamboo/ Wood Dowel 1 meter
3. 0.3mm 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

**G1**

**LG BASE**  
PLYWOOD 3MM  
2X



**W1**

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

JOIN HERE

JOIN HERE

JOI



# F1

FUSELAGE FORMER  
POLYFOAM/  
DEPRON 5MM

JOIN HERE

JOIN HERE

JOIN HERE

JOIN HERE

JOIN

W1

JOIN HERE



JOIN HERE

JOIN HERE

JOIN HERE

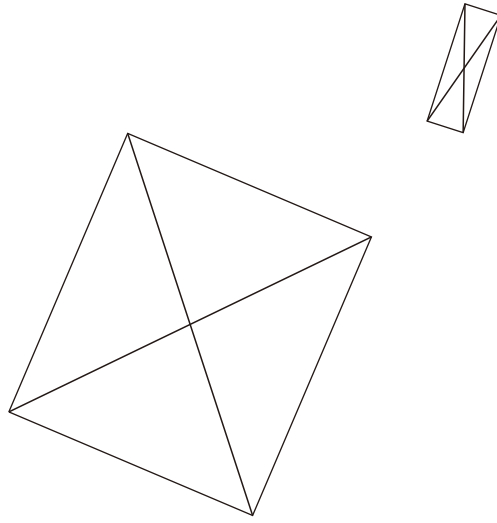


JOIN HERE

W1

JOIN HERE

JOIN HERE



W1

JOIN HERE

JOIN HERE

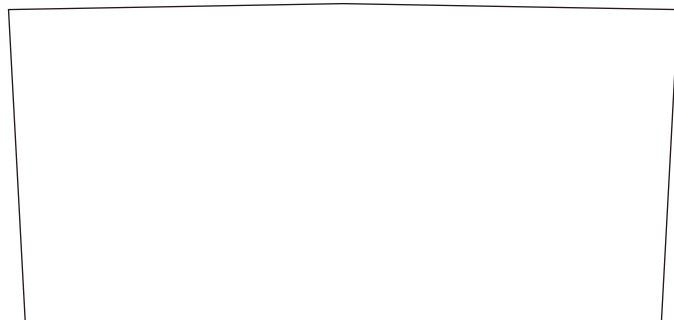
JOIN HERE

W1

JOIN HERE

**F11**

FUSELAGE FORMER  
POLYFOAM/  
DEPRON 5MM



JOIN HERE

W1

**F10**  
FUSELAGE  
POLYFOAM/  
DEPRON 5MM





**W2**

WING FORMER  
POLYFOAM/  
DEPRON 5MM  
2X

JOIN HERE

**W3**

WING SPAR  
POLYFOAM/  
DEPRON 5MM  
2X

JOIN HERE

**W4**

WING SPAR  
POLYFOAM/  
DEPRON 5MM  
2X

JOIN HERE

**W6**

WING JOINER  
PLYWOOD 3MM  
2X

JOIN HERE

WING FORMER  
POLYFOAM/  
DEPRON 5MM  
2X

JOIN HERE

JOIN HERE

JOIN HERE

JOIN HERE

W2

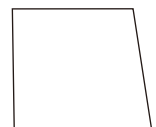
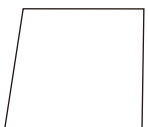
W3

W4

W6

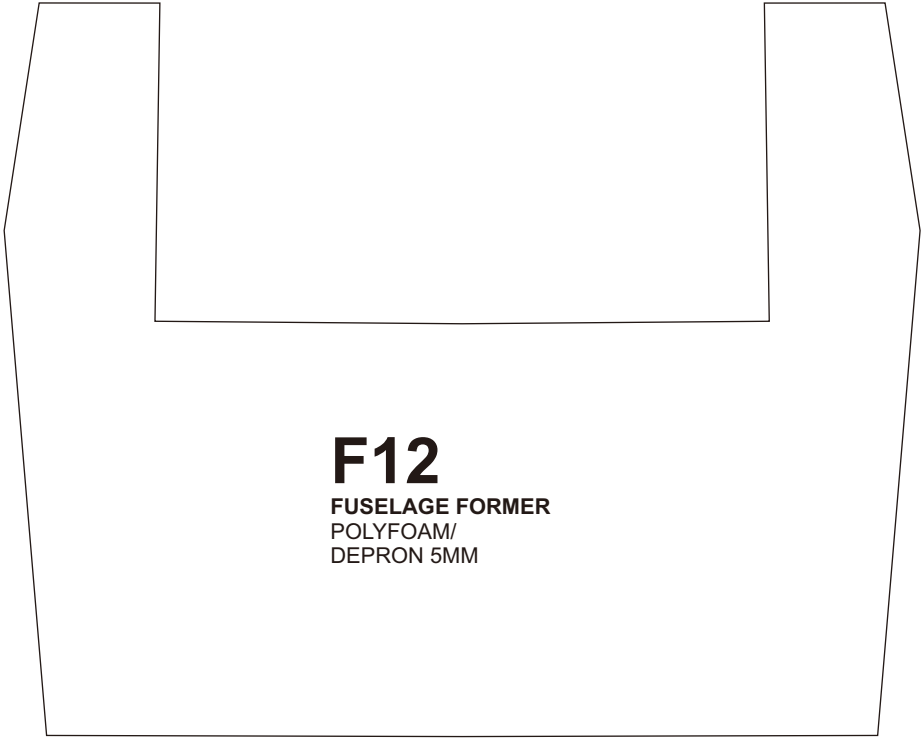
JOIN HERE

W3



JOIN HERE

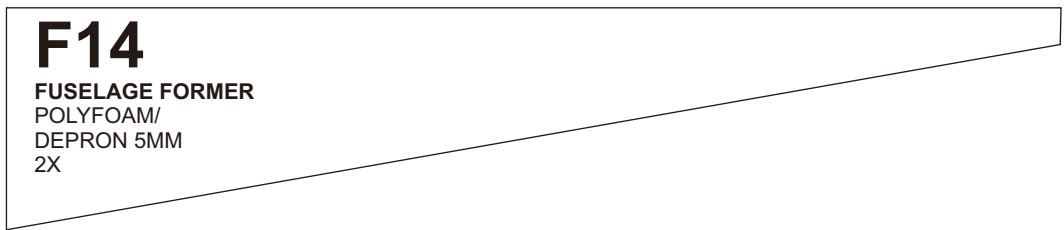
W3



**F12**  
FUSELAGE FORMER  
POLYFOAM/  
DEPRON 5MM



**F13**  
FUSELAGE FORMER  
POLYFOAM/  
DEPRON 5MM



**F14**  
FUSELAGE FORMER  
POLYFOAM/  
DEPRON 5MM  
2X

**W5**

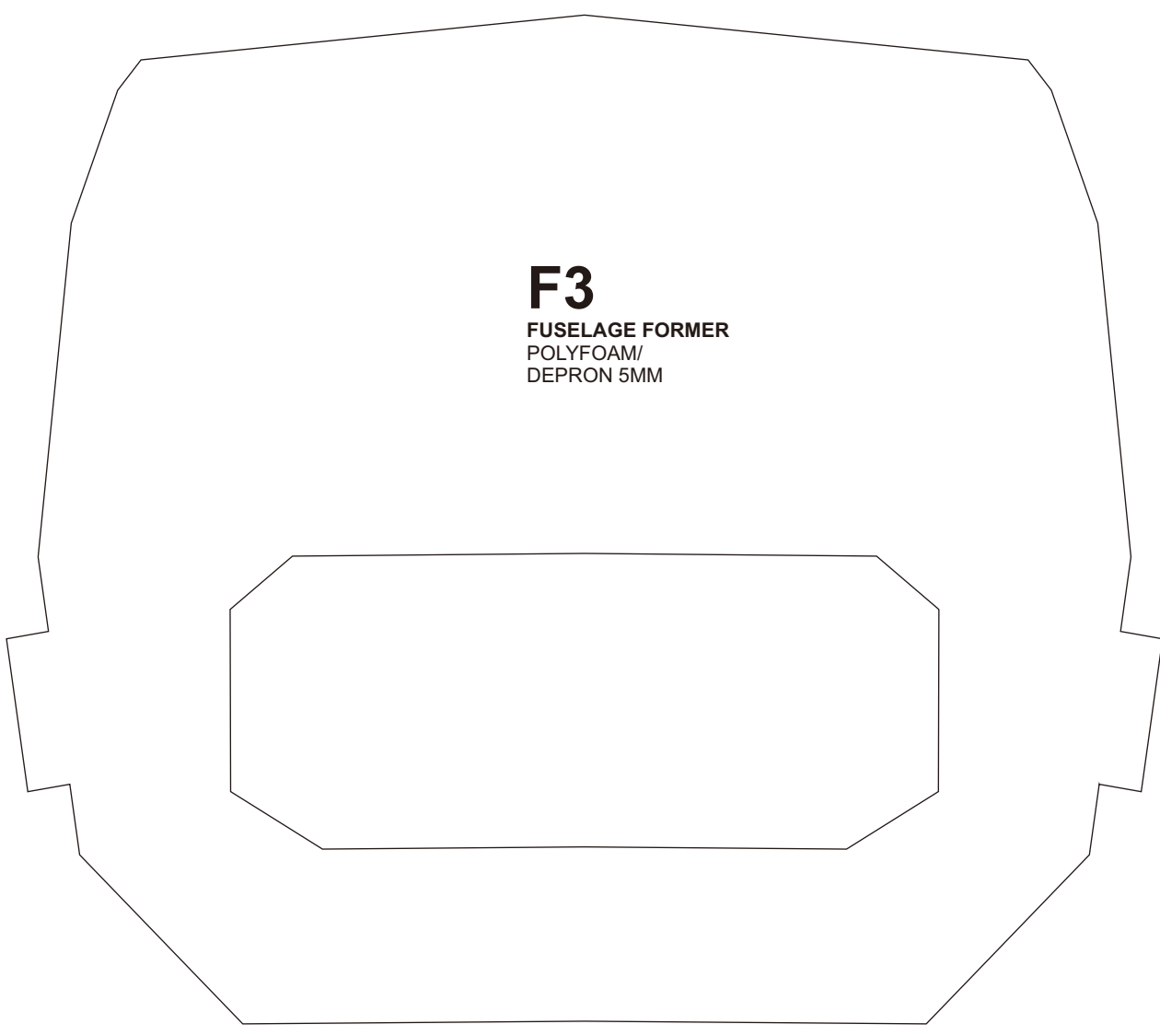
WING  
POLYFOAM/  
DEPRON 5MM  
2X MIRRORED

JOIN HERE

JOIN HERE

**F3**

**FUSELAGE FORMER**  
POLYFOAM/  
DEPRON 5MM



JOIN HERE

W5

JOIN HERE

JOIN HERE

W5

JOIN HERE

JOIN HERE

W5

JOIN HERE

JOIN HERE

W5

JOIN HERE

JOIN HERE

JOIN HERE

W5

JOIN HERE



JOIN HERE

JOIN HERE

W5

**F9**

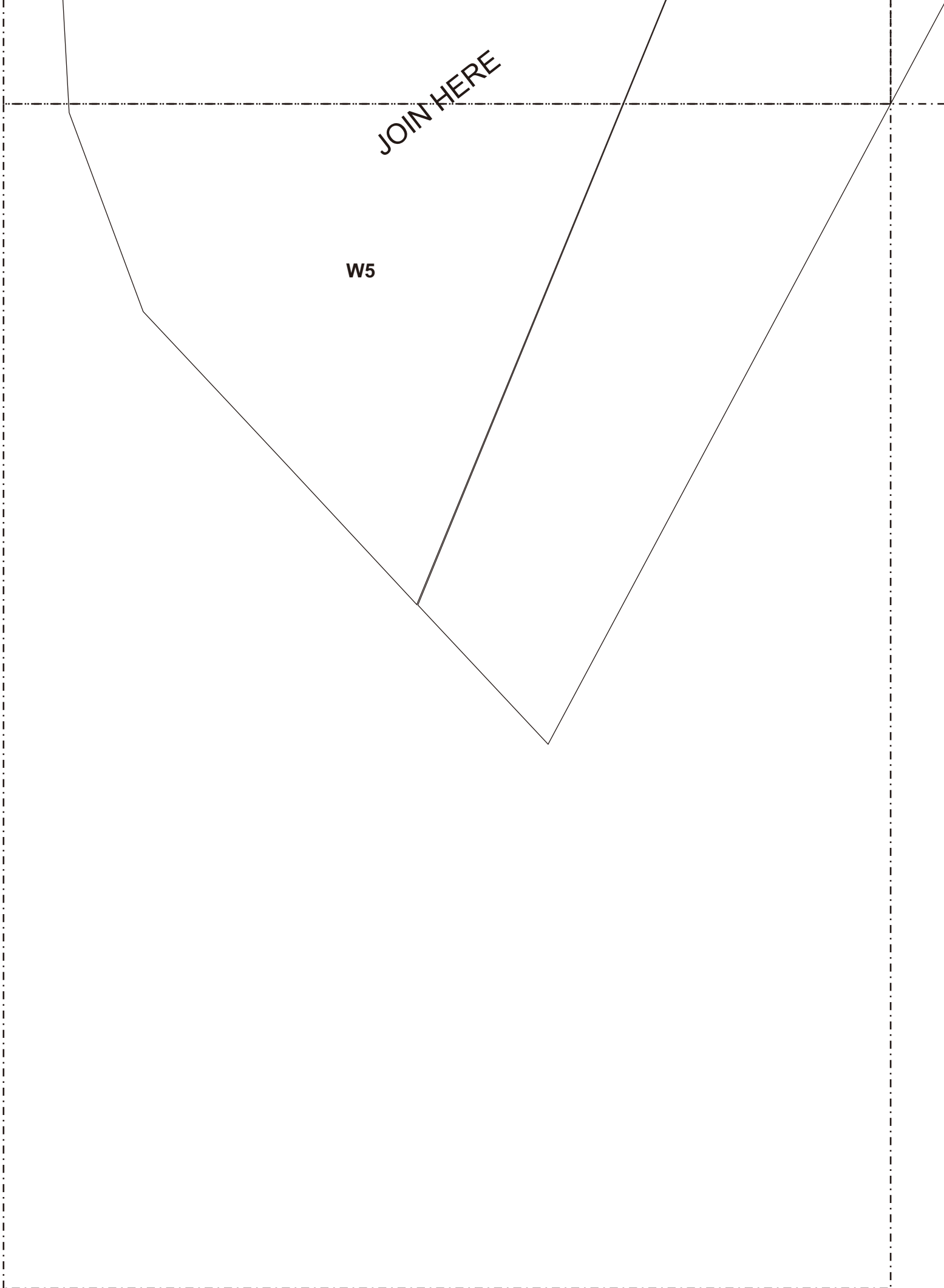
FUSELAGE  
POLYFOAM/  
DEPRON 5MM

FRONT



JOIN HERE

W5



**G2**

LG BASE  
PLYWOOD 3MM  
2X



**F2**

FUSELAGE  
POLYFOAM/  
DEPRON 5MM  
MIRRORED



JOIN HERE

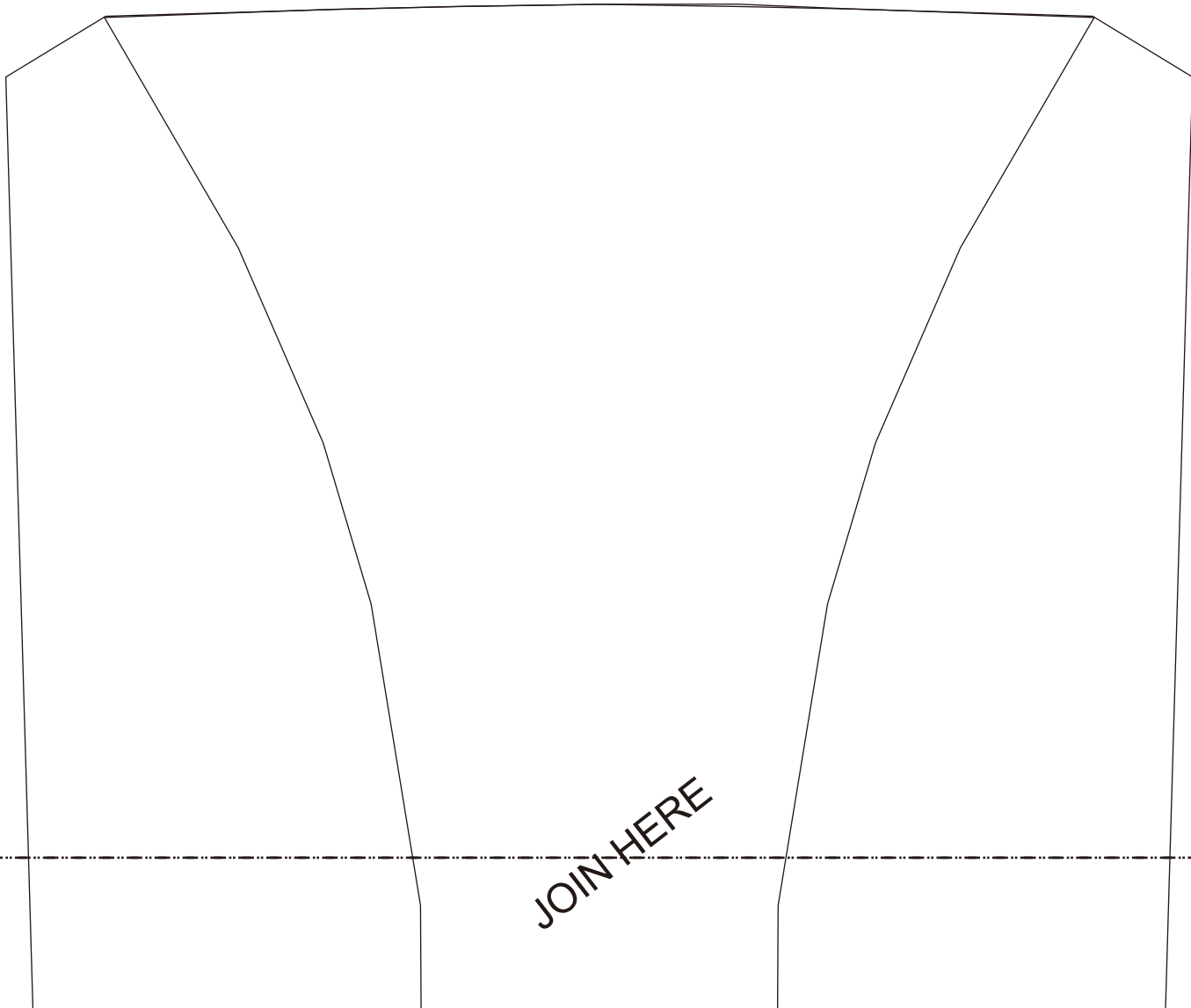
JOIN HERE

F2

JOIN HERE

JOIN HERE

JOIN HERE



JOIN HERE



**F2**



JOIN HERE

**F5**

**FUSELAGE**  
POLYFOAM/  
DEPRON 5MM  
MIRRORED  
2X



JOIN HERE

JOIN HERE

**D5**  
MISSILE  
CARD PAPER  
4X

**D8**  
PYLON  
CARD  
PAPER  
4X

F2

JOIN HERE

**D6** 16X  
MISSILE  
CARD PAPER

16X  
**D7**



JOIN HERE

JOIN HERE

F2

JOIN HERE

JOIN HERE

JOIN HERE

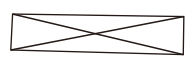
JOIN HERE

JOIN HERE

F2

F5

JOIN HERE



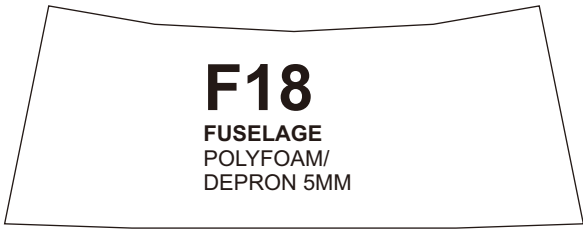
JOIN HERE

JOIN HERE





JOIN HERE



**F18**

FUSELAGE  
POLYFOAM/  
DEPRON 5MM



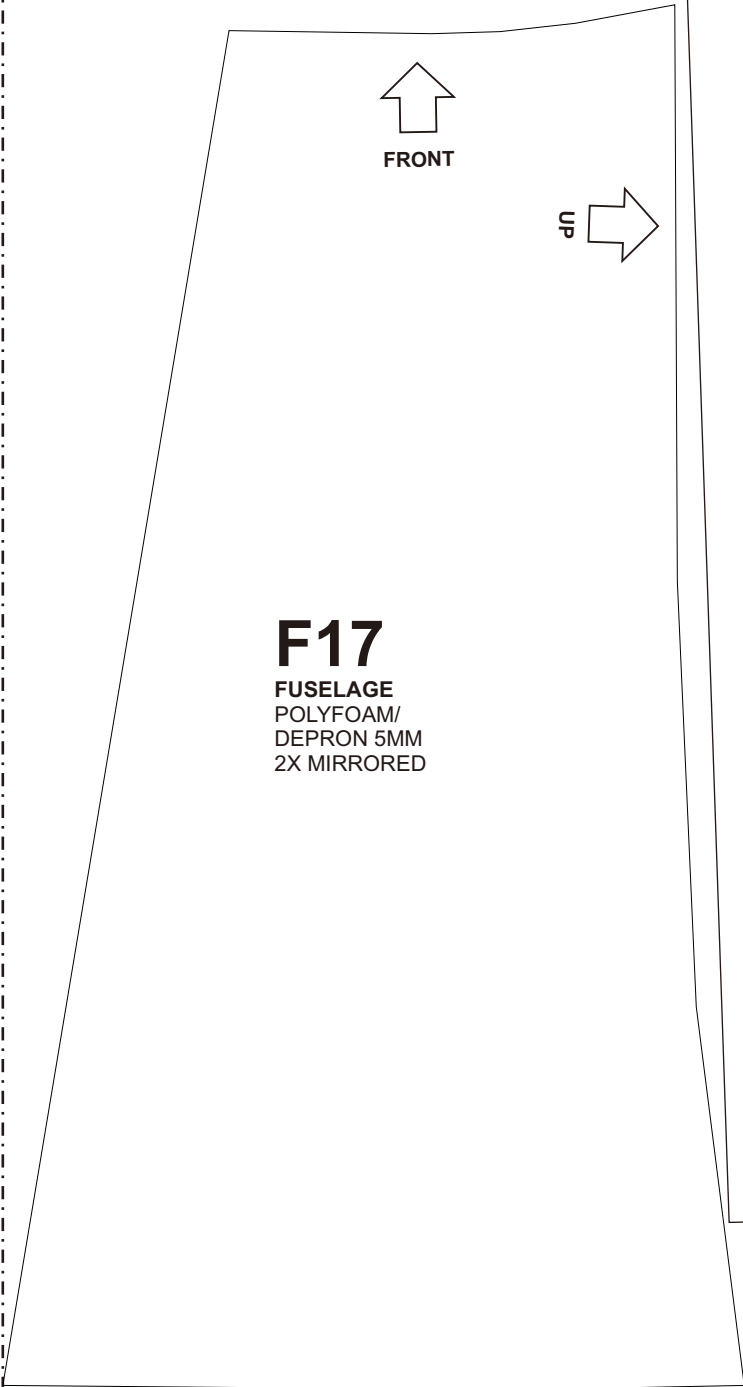
FRONT



UP

F2

JOIN HERE



**F17**

FUSELAGE  
POLYFOAM/  
DEPRON 5MM  
2X MIRRORED

JOIN HERE

JOIN HERE

F2

JOIN HERE

JOIN HERE



JOIN HERE

F2

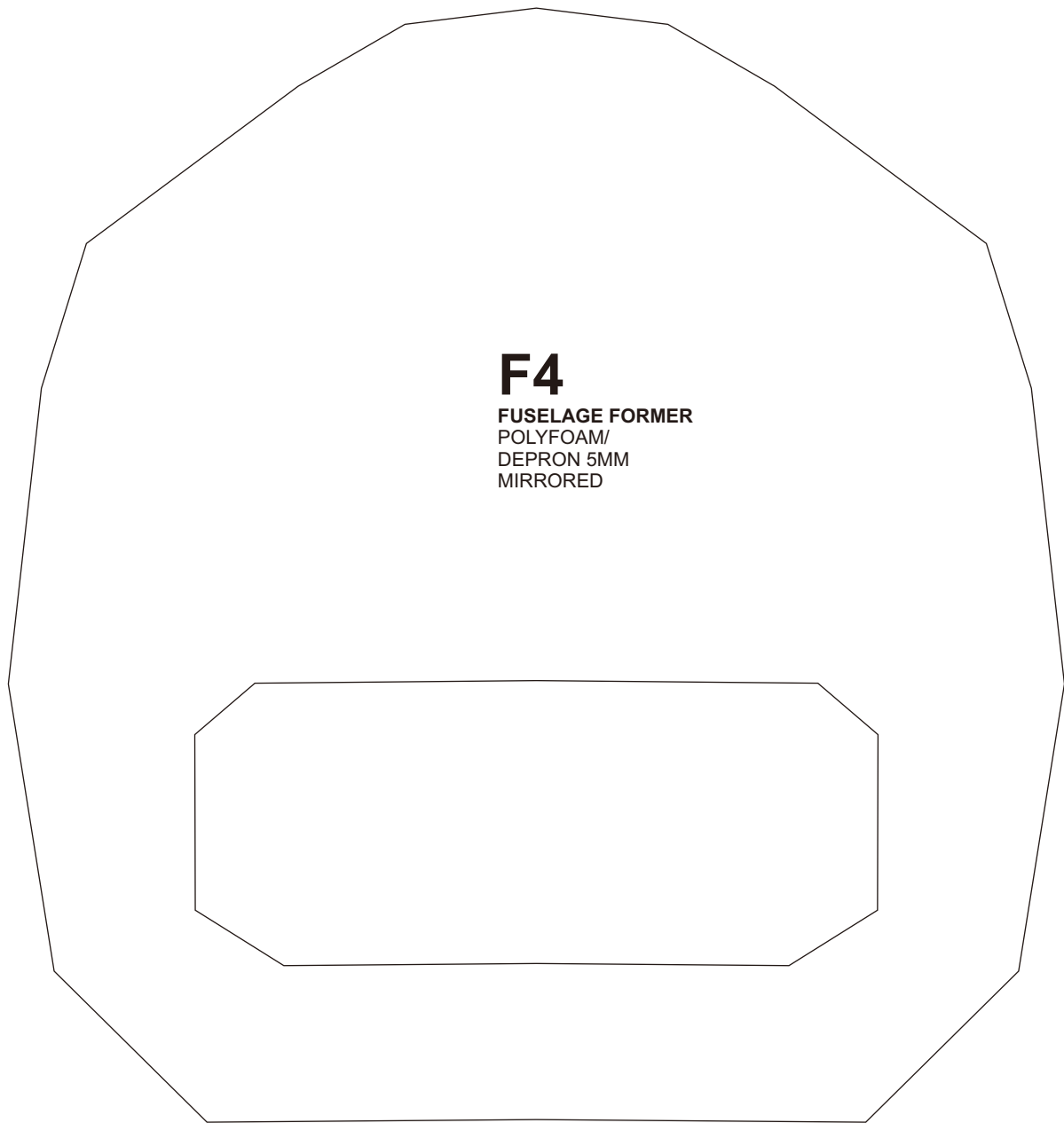
F5

JOIN HERE



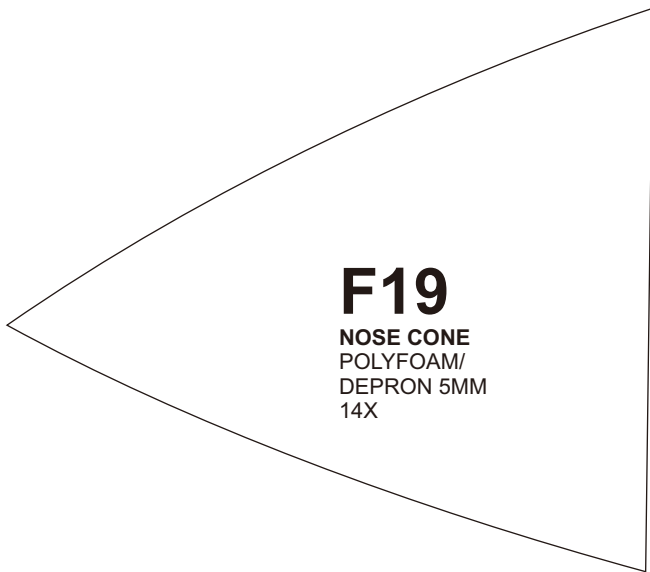
FRONT





**F4**

FUSELAGE FORMER  
POLYFOAM/  
DEPRON 5MM  
MIRRORED



**F19**

NOSE CONE  
POLYFOAM/  
DEPRON 5MM  
14X

**F6**  
FUSELAGE  
POLYFOAM/  
DEPRON 5MM



FRONT

**F8**  
FUSELAGE  
POLYFOAM/  
DEPRON 5MM  
MIRRORED  
2X



UP

**D2**  
DETAIL  
POLYFOAM/  
DEPRON 5MM  
3X

JOIN HERE

JOIN HERE

JOIN HERE

JOIN HERE

D2

F6



FRONT

F24



JOIN HERE

JOIN HERE

**F24**  
FUSELAGE

JOIN HERE

JOIN HERE

**F24**

FUSELAGE  
POLYFOAM/  
DEPRON 5MM  
2X MIRRORED



**F6**

FRONT



# F7

FUSELAGE  
POLYFOAM/  
DEPRON 5MM  
MIRRORED

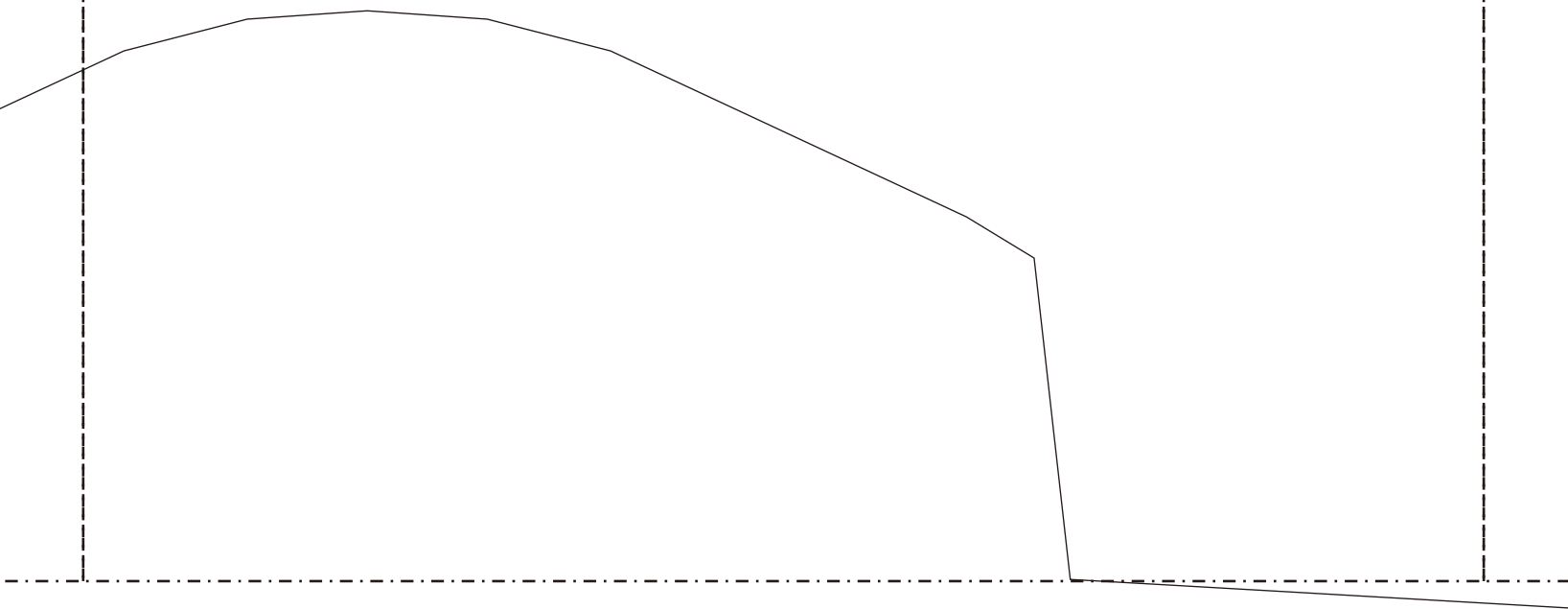
JOIN HERE



JOIN HERE

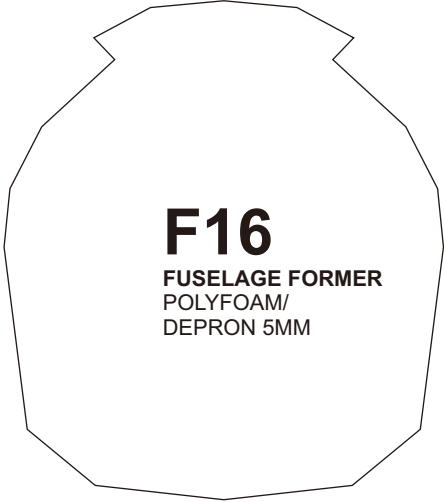
F7

JOIN HERE



JOIN HERE

F7



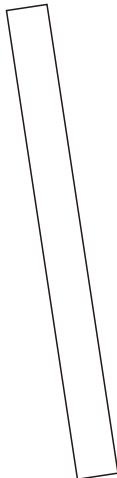
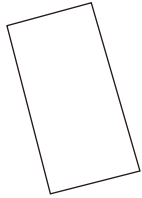


**F20**

AIR INTAKE  
POLYFOAM/  
DEPRON 3MM

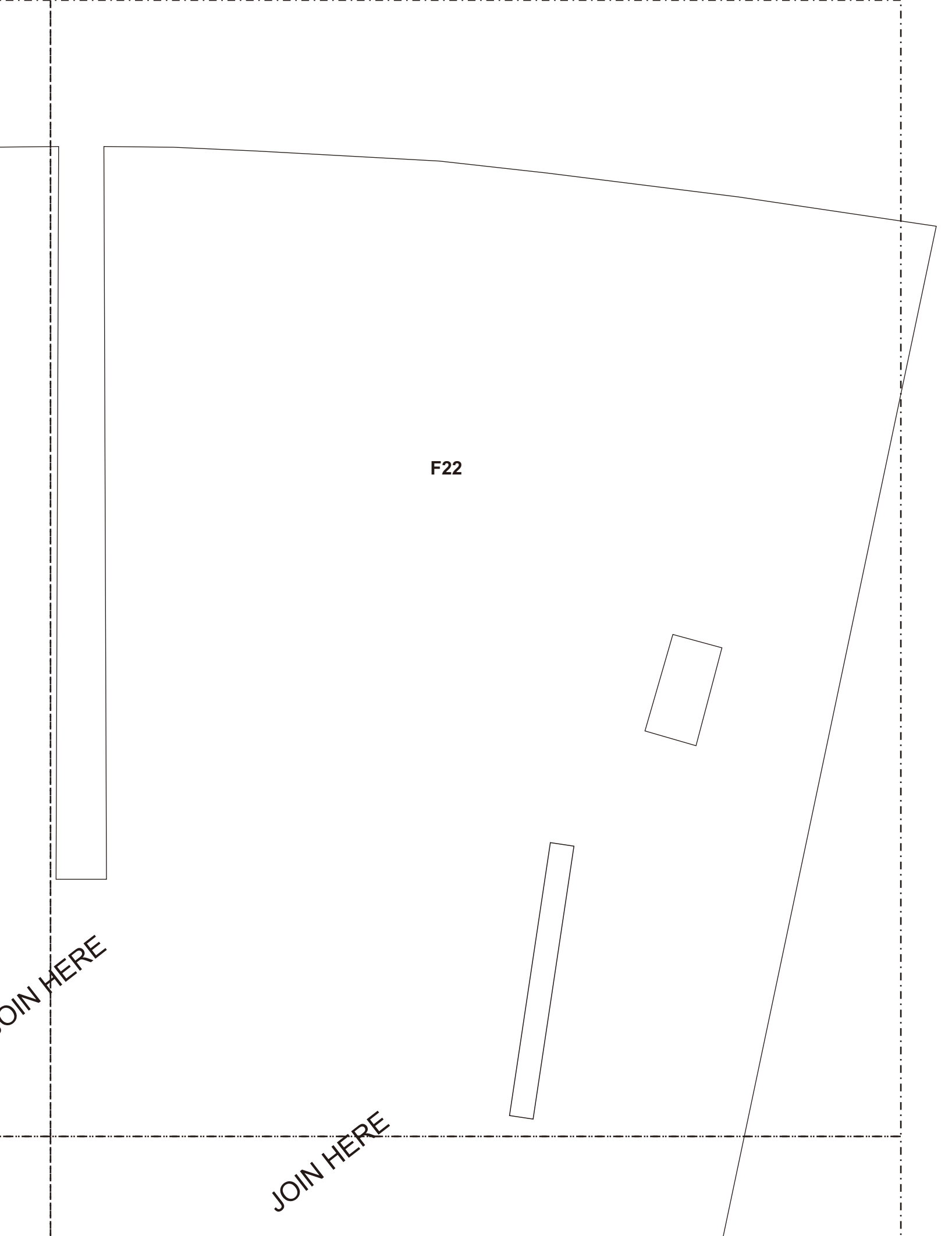
# F22

FUSELAGE  
POLYFOAM/  
DEPRON 5MM



JOIN HERE

JOIN HERE



F22

JOIN HERE

JOIN HERE

JOIN HERE

F22

JOIN HERE



FRONT

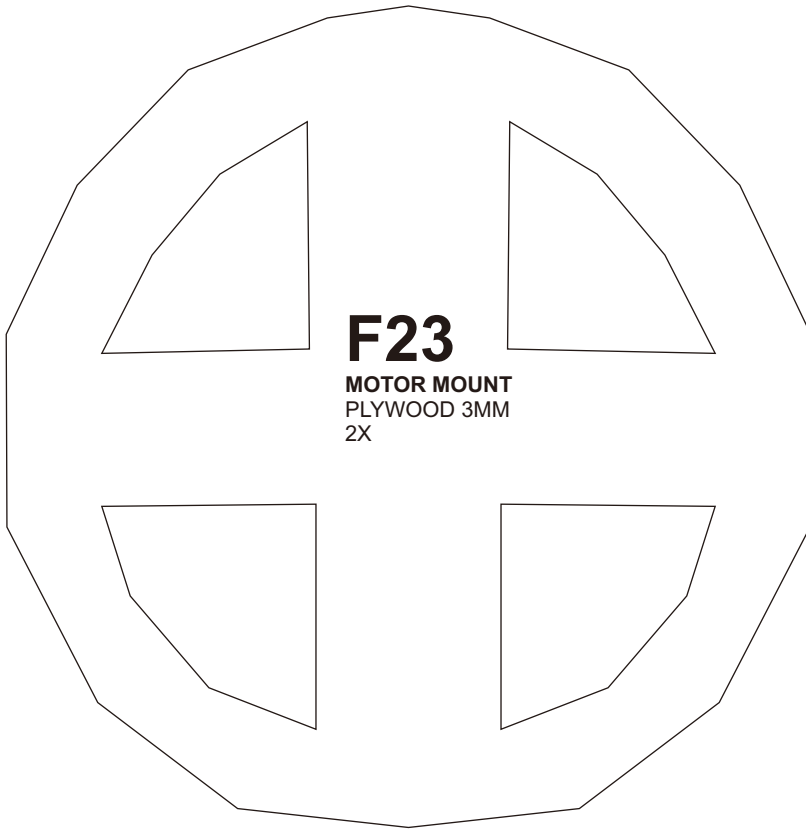
**F21**

AIR INTAKE  
POLYFOAM/  
DEPRON 3MM

JOIN HERE

JOIN HERE

**F22**



**F25**  
FUSELAGE  
POLYFOAM/  
DEPRON 5MM

JOIN HERE

**F26**  
EXHAUST  
POLYFOAM/  
DEPRON 5MM

JOIN HERE



JOIN HERE

**F25**

JOIN HERE

**F26**

**S2**

**HORIZONTAL STAB**  
POLYFOAM/  
DEPRON 5MM  
2X

JOIN HERE

JOIN HERE

S2

**D3**

ORDNANCE PYLON  
POLYFOAM/  
DEPRON 5MM  
2X

**D4**

EXHAUST DETAIL  
POLYFOAM/  
DEPRON 5MM  
2X



**S1**

VERTICAL STAB  
POLYFOAM/  
DEPRON 5MM  
2X

JOIN HERE

JOIN HERE

JOIN HERE

S1

JOIN HERE

S1

JOIN HERE

**S3**

FIN STAB  
POLYFOAM/  
DEPRON 5MM  
2X

JOIN HERE

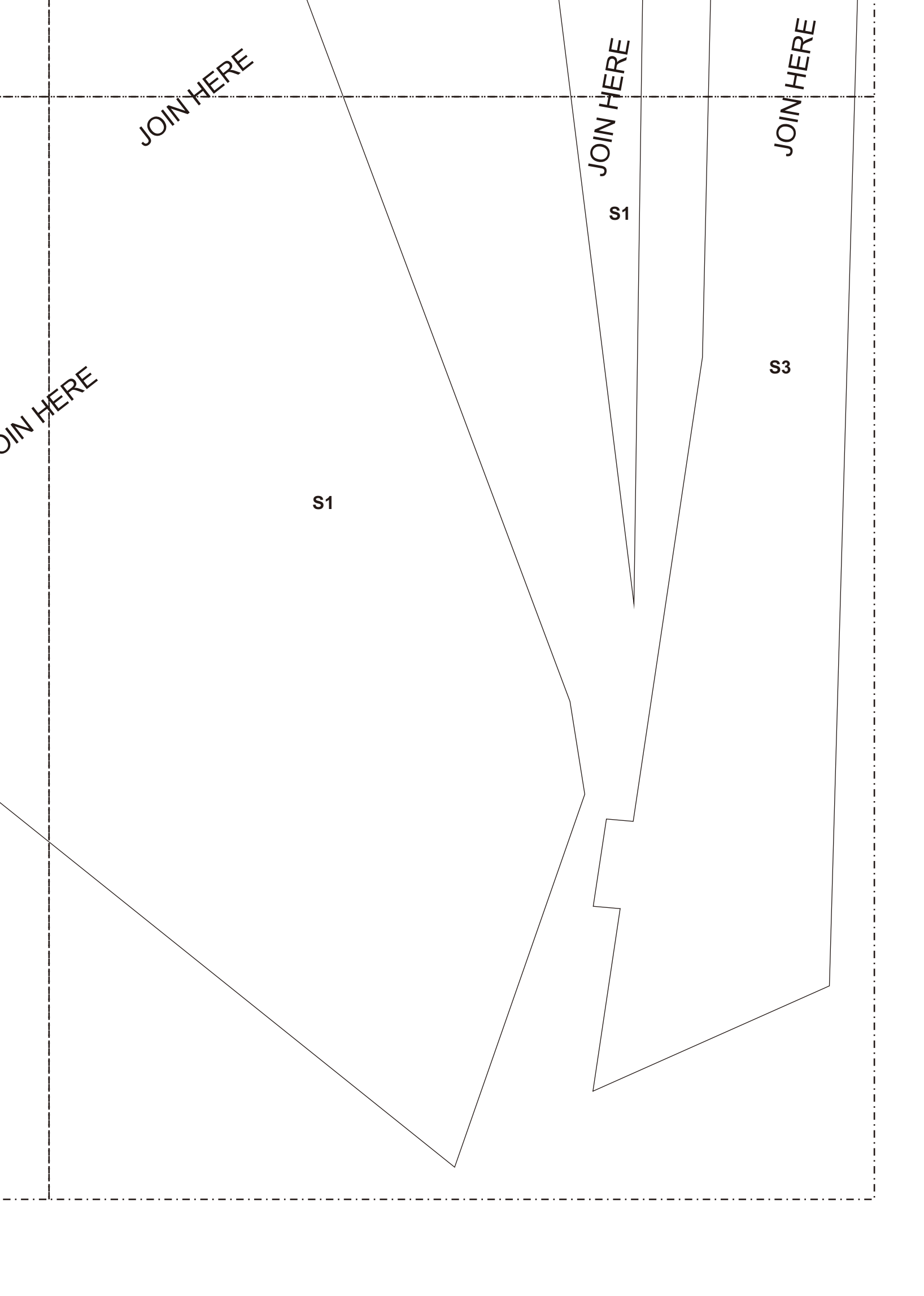
JOIN HERE

S1

JOIN HERE

**C2**

COCKPIT BASE  
POLYFOAM/  
DEPRON 3MM/  
CARDBOARD



JOIN HERE

JOIN HERE

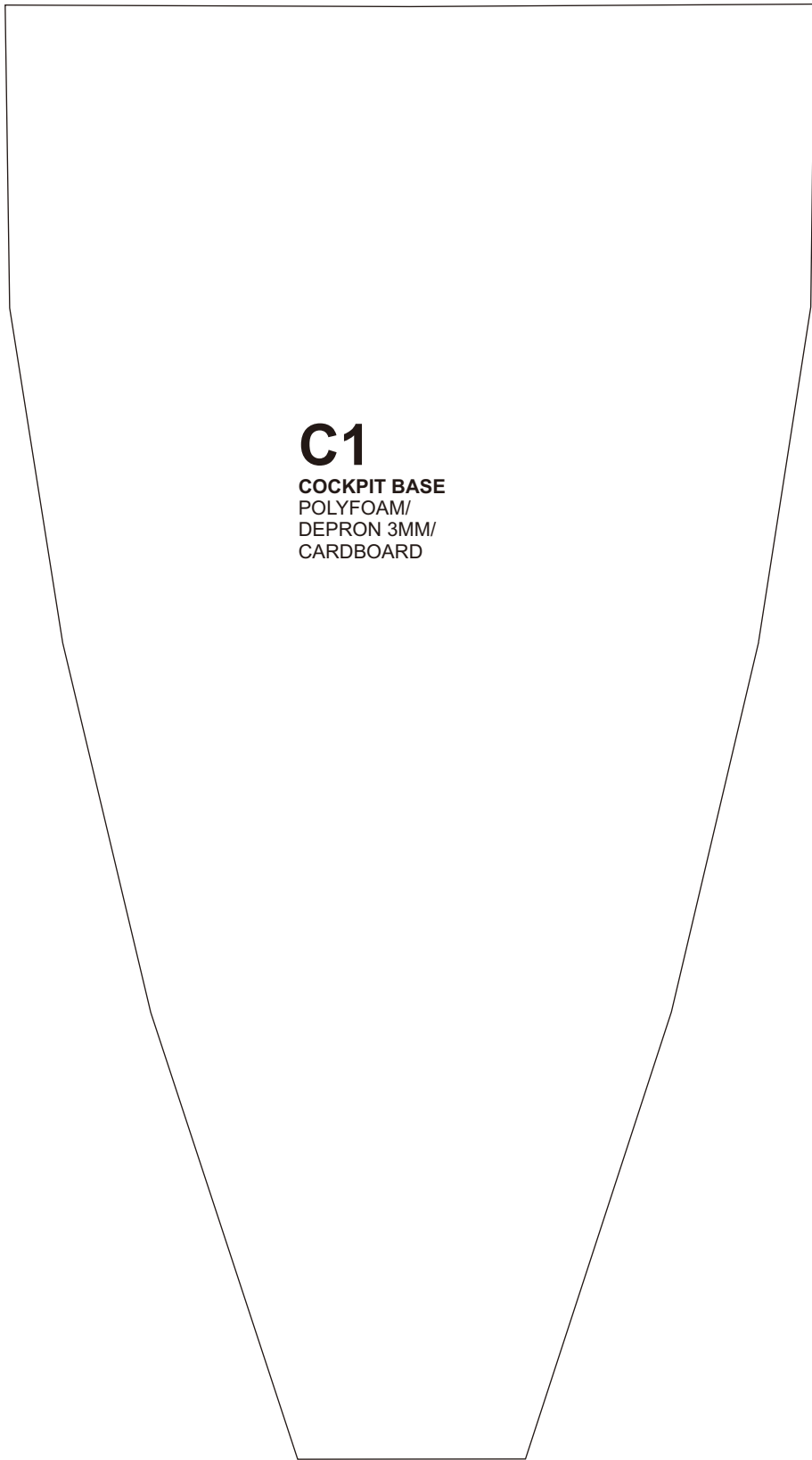
JOIN HERE

JOIN HERE

S1

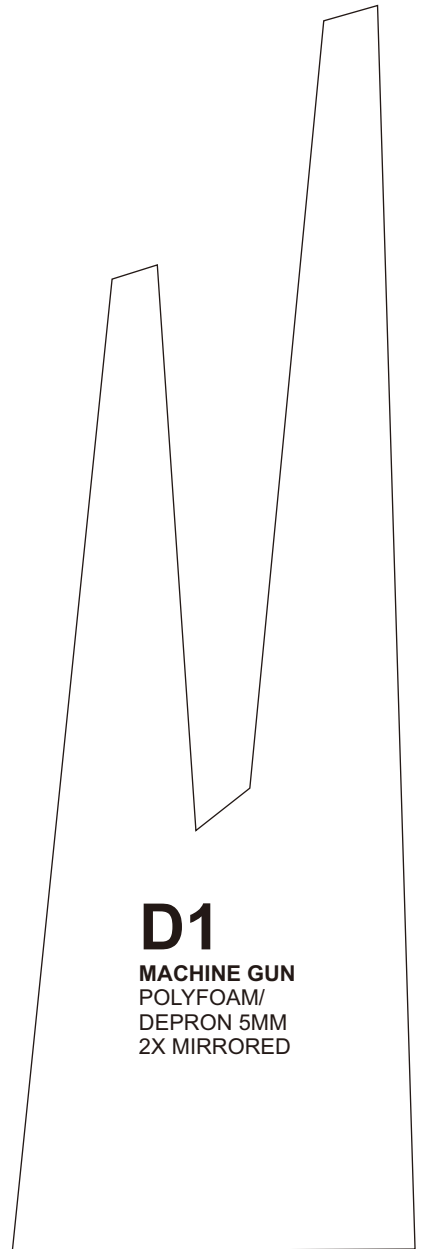
S1

S3



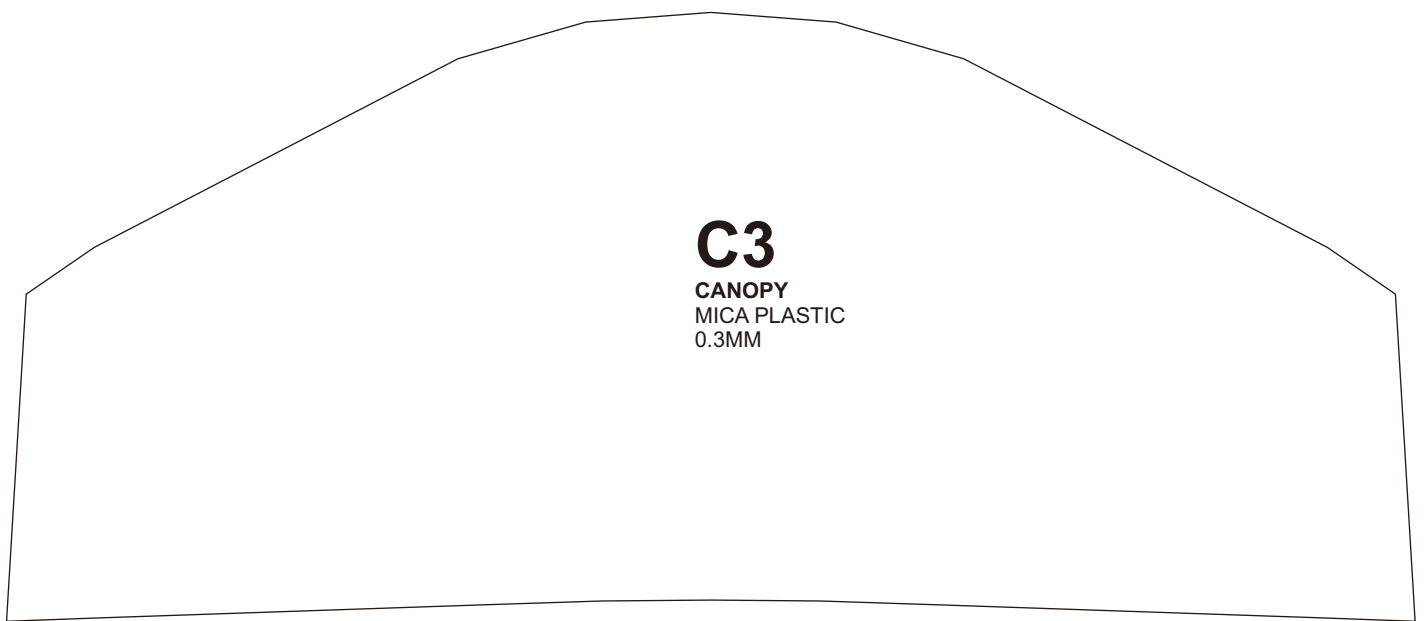
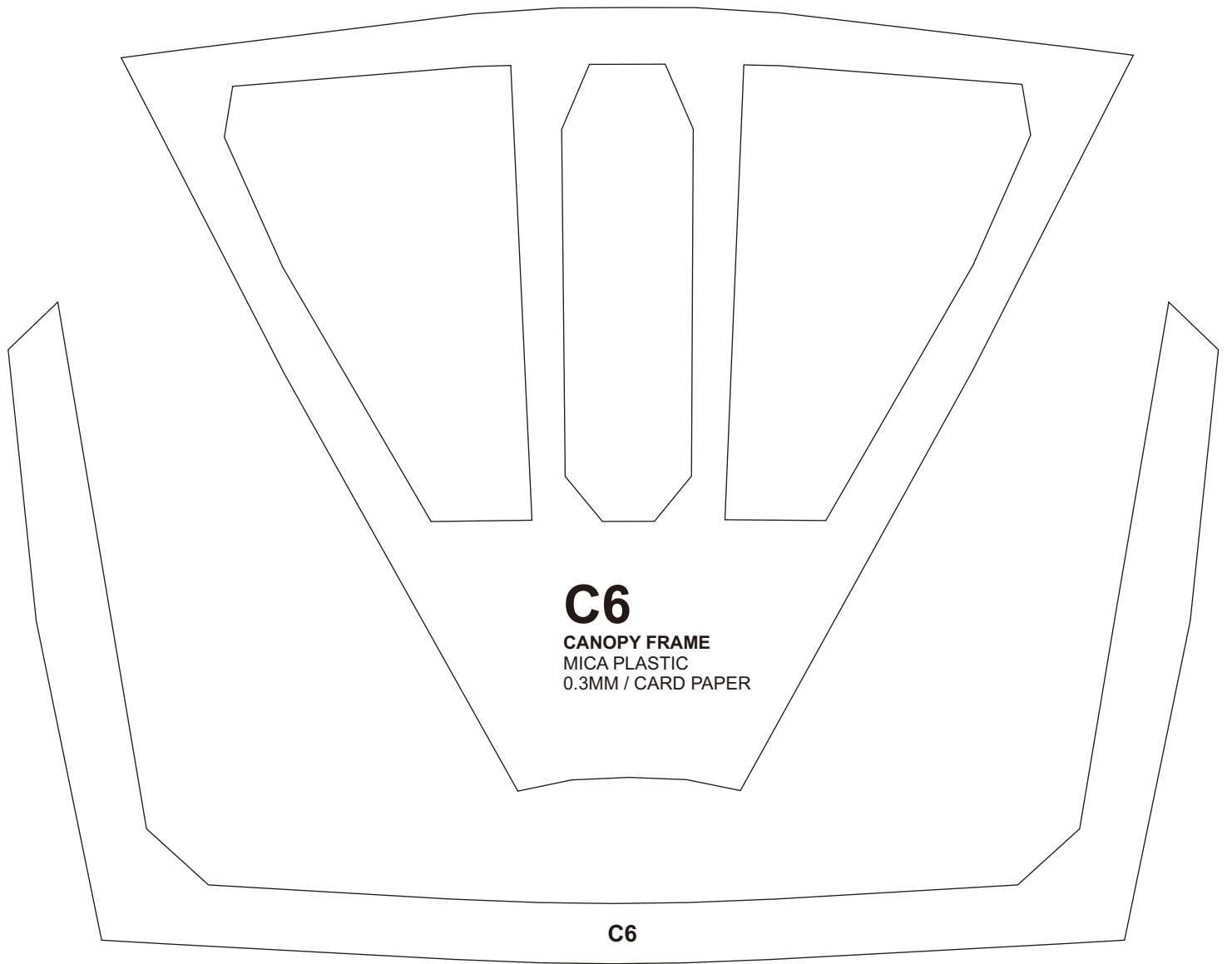
**C1**

**COCKPIT BASE**  
POLYFOAM/  
DEPRON 3MM/  
CARDBOARD

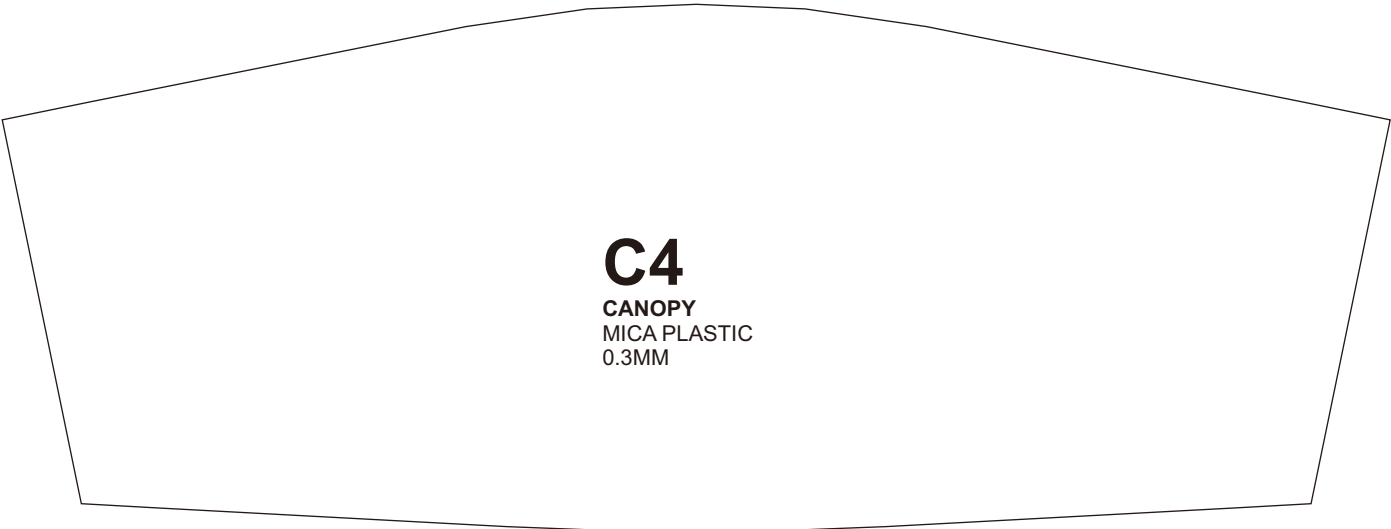


**D1**

**MACHINE GUN**  
POLYFOAM/  
DEPRON 5MM  
2X MIRRORED

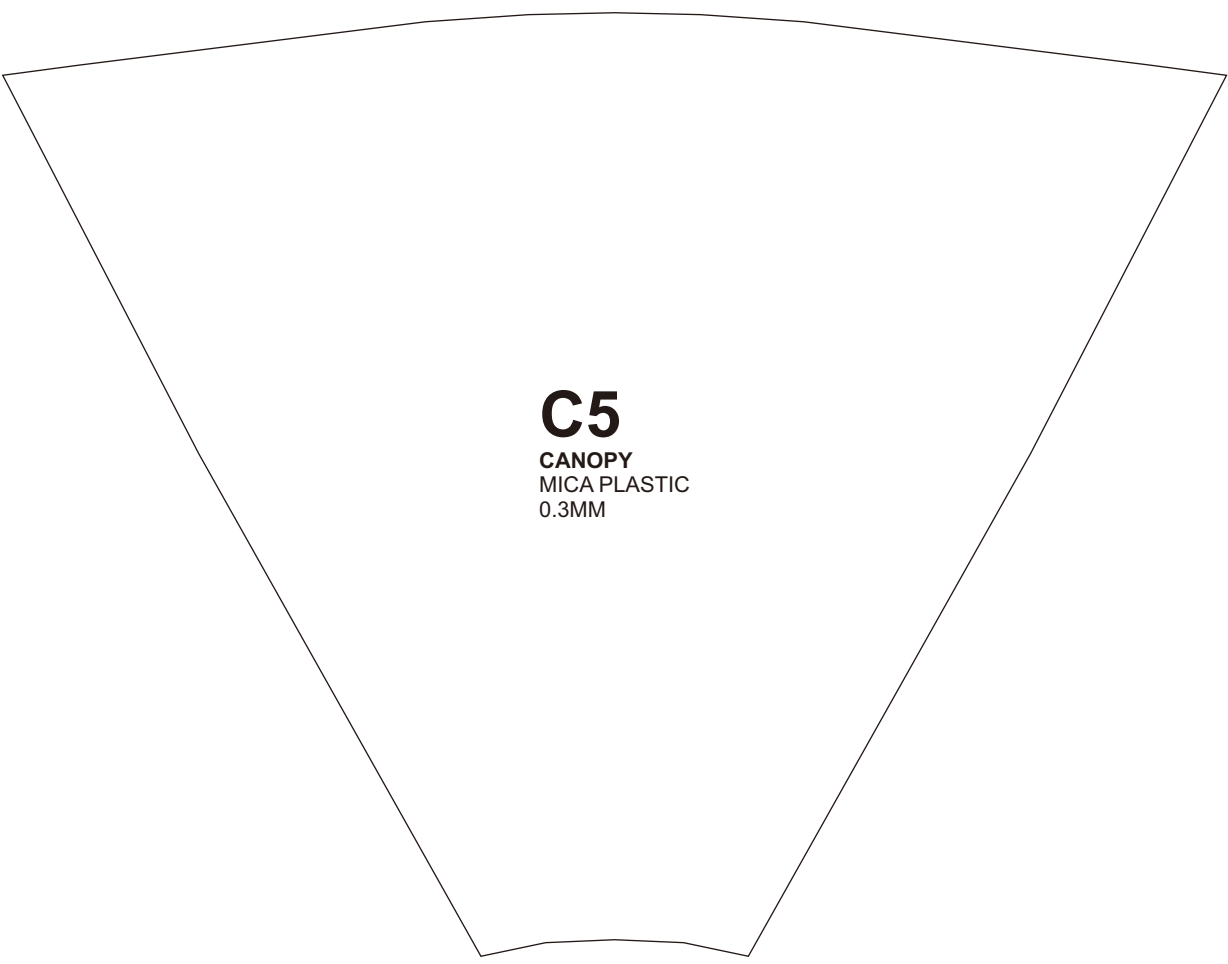






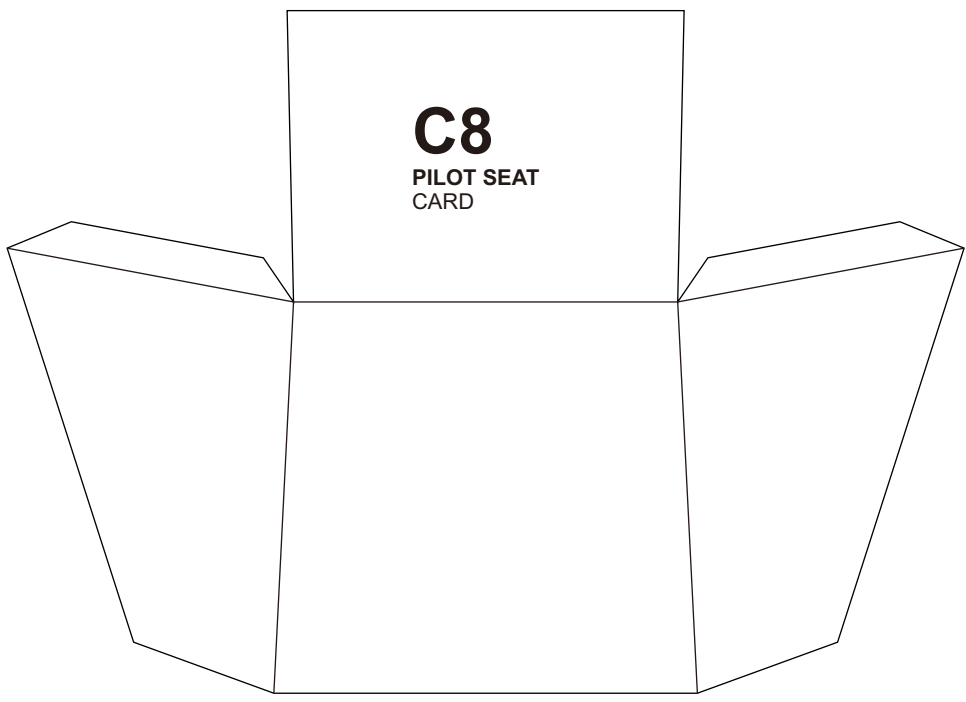
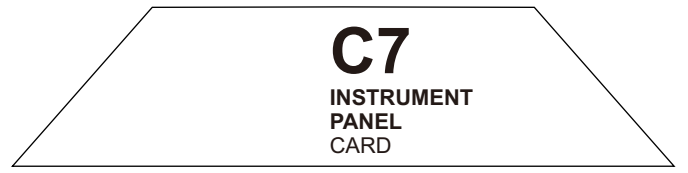
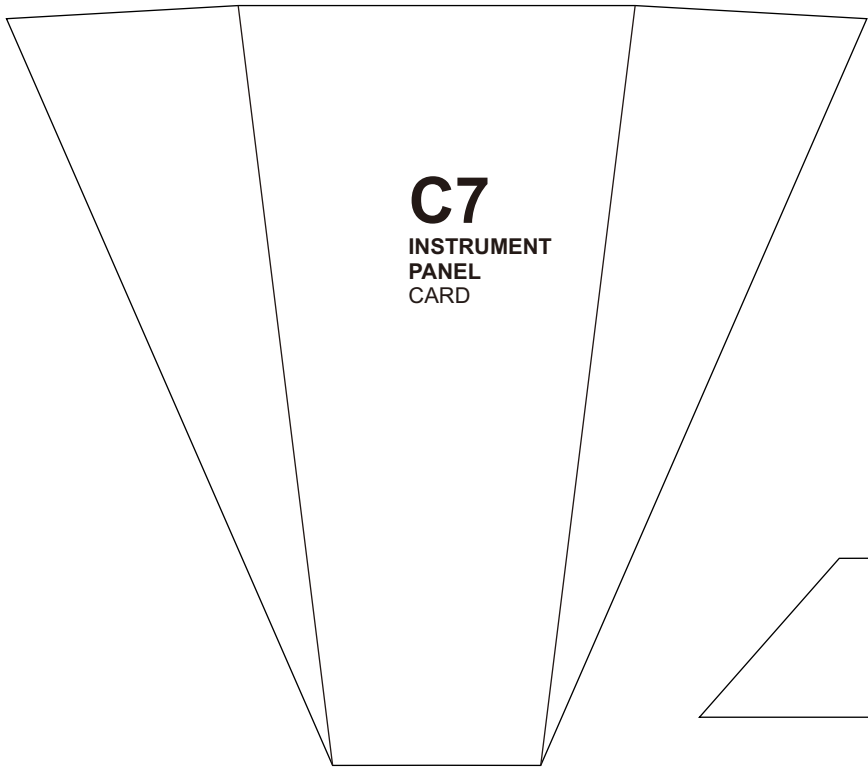
**C4**

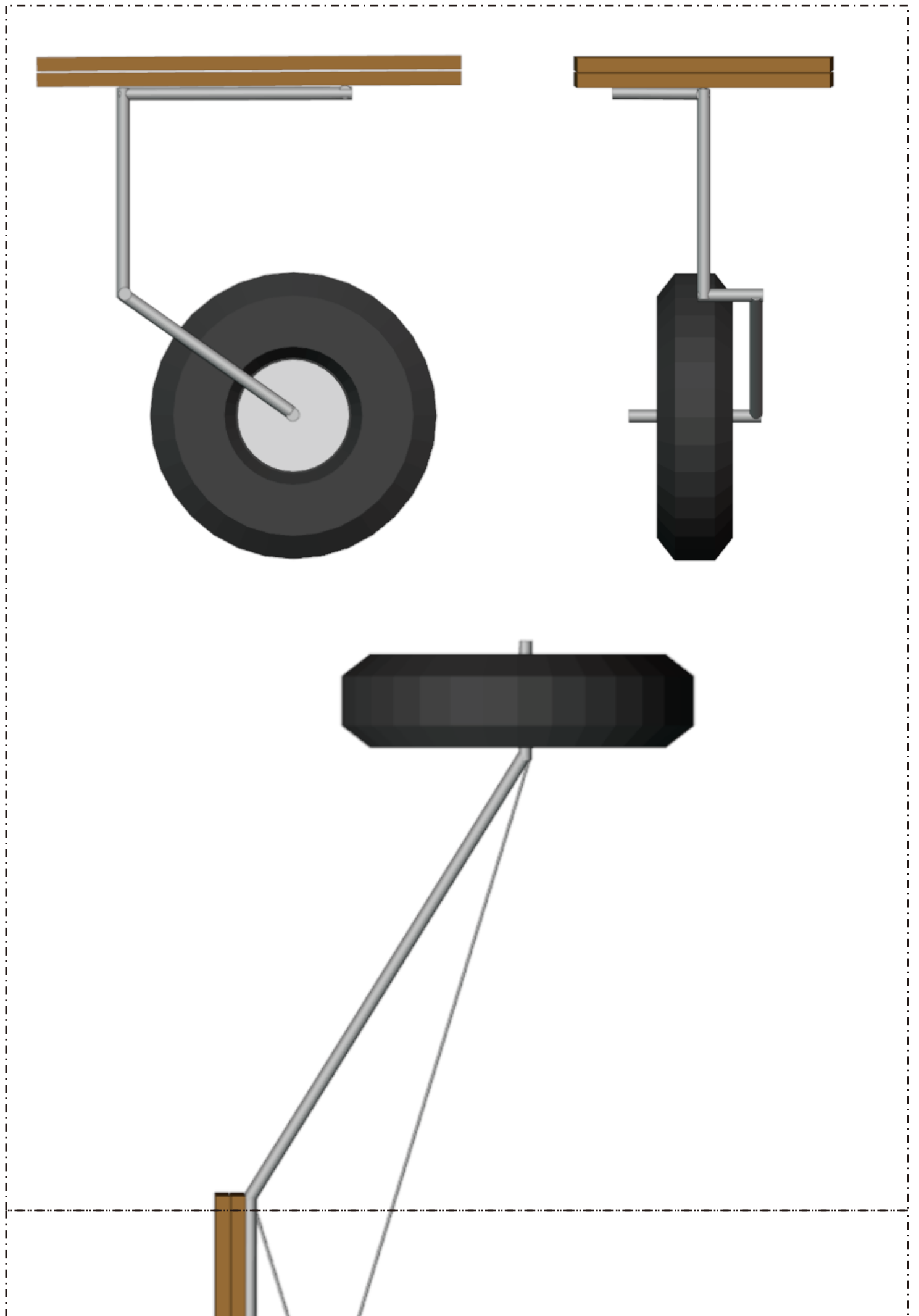
CANOPY  
MICA PLASTIC  
0.3MM

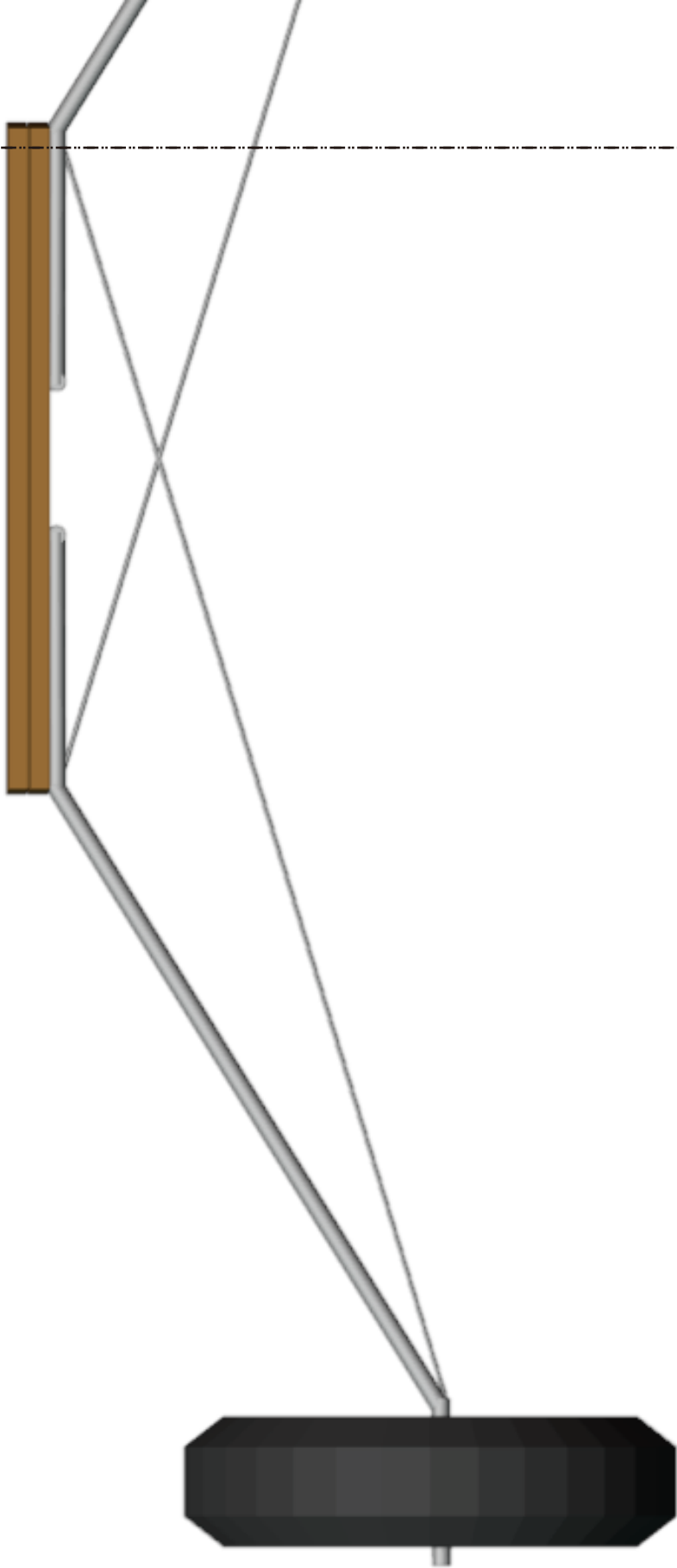


**C5**

CANOPY  
MICA PLASTIC  
0.3MM



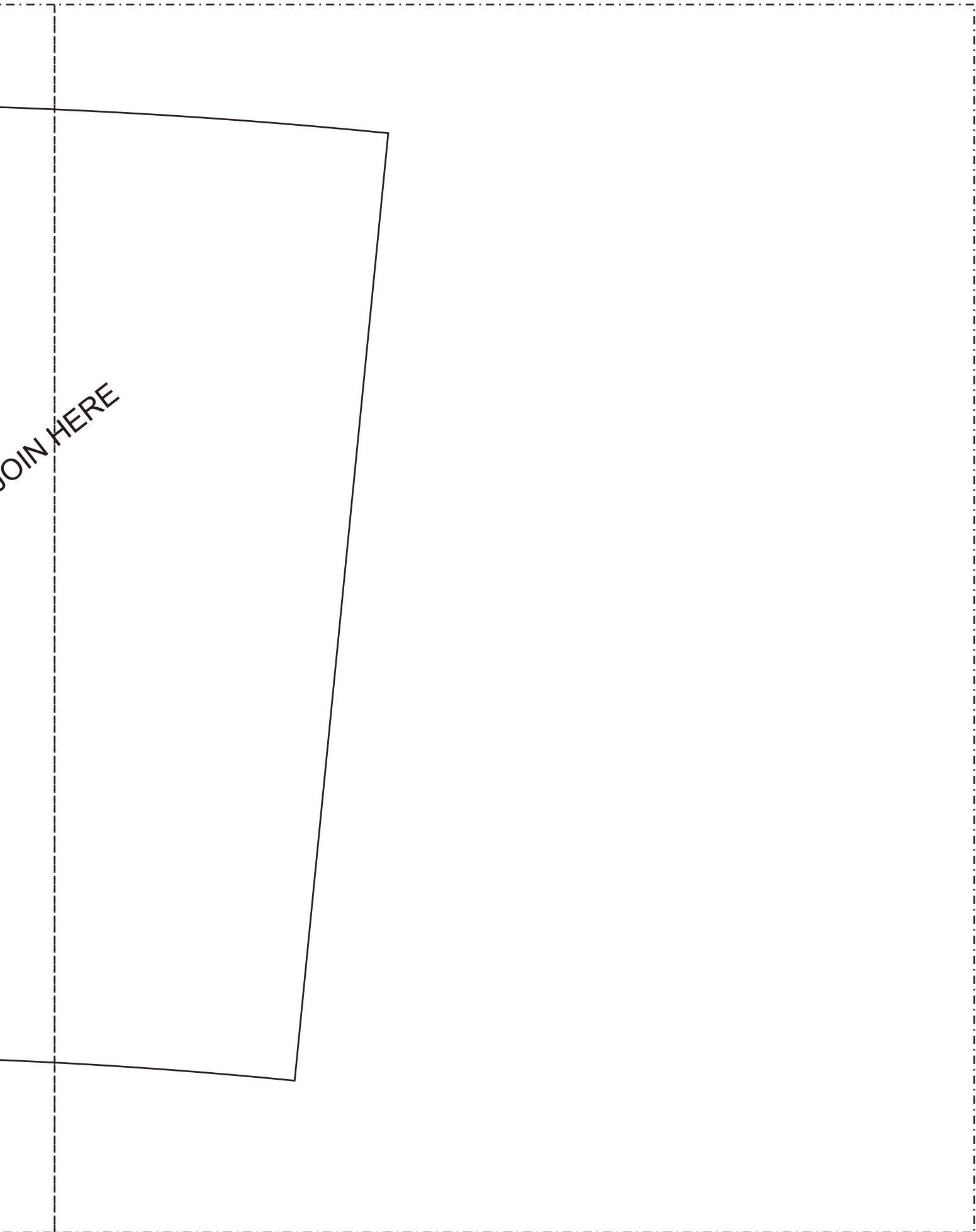






EDF 80mm  
THRUST TUBE

JOIN HERE



JOIN HERE