



Model : 52/2024



# F-15EX Eagle II

1150 mm

## EDF Specs :

1. Wingspan 1150mm / 45.3 inches
2. Flying weight : 3200 grams/ 112.9 oz/ 7 lbs
3. Wing loading : 69.4 gram/dm<sup>2</sup> - 22.7 oz/sq.ft.
4. Wing cube loading : 10.2 (Aerobatic)
5. Wing Area : 46.1 dm<sup>2</sup> / 715 sq.in.
6. CG : 6.3 inch/ 16 cm from Leading Edge on Wing Root

## Electronics (pusher prop)

- DXW 3536 1200kv Brushless motor
- 11x5 prop
- 50A ESC
- 3-4S 2200mah Lipo Battery

## Electronics (pusher prop) #2

- NTM 2700kv Brushless motor
- 7x5 prop
- 50A ESC
- 4S 2200mah Lipo Battery

## Electronics (EDF)

- 2X FMS 70mm 12 blades 1900kv EDF
- 2X 80A ESC
- 1X 6S 5600mah Lipo Battery
- 4X Metal gear 9 gram servo (mini servo) for control surfaces

## Transmitter

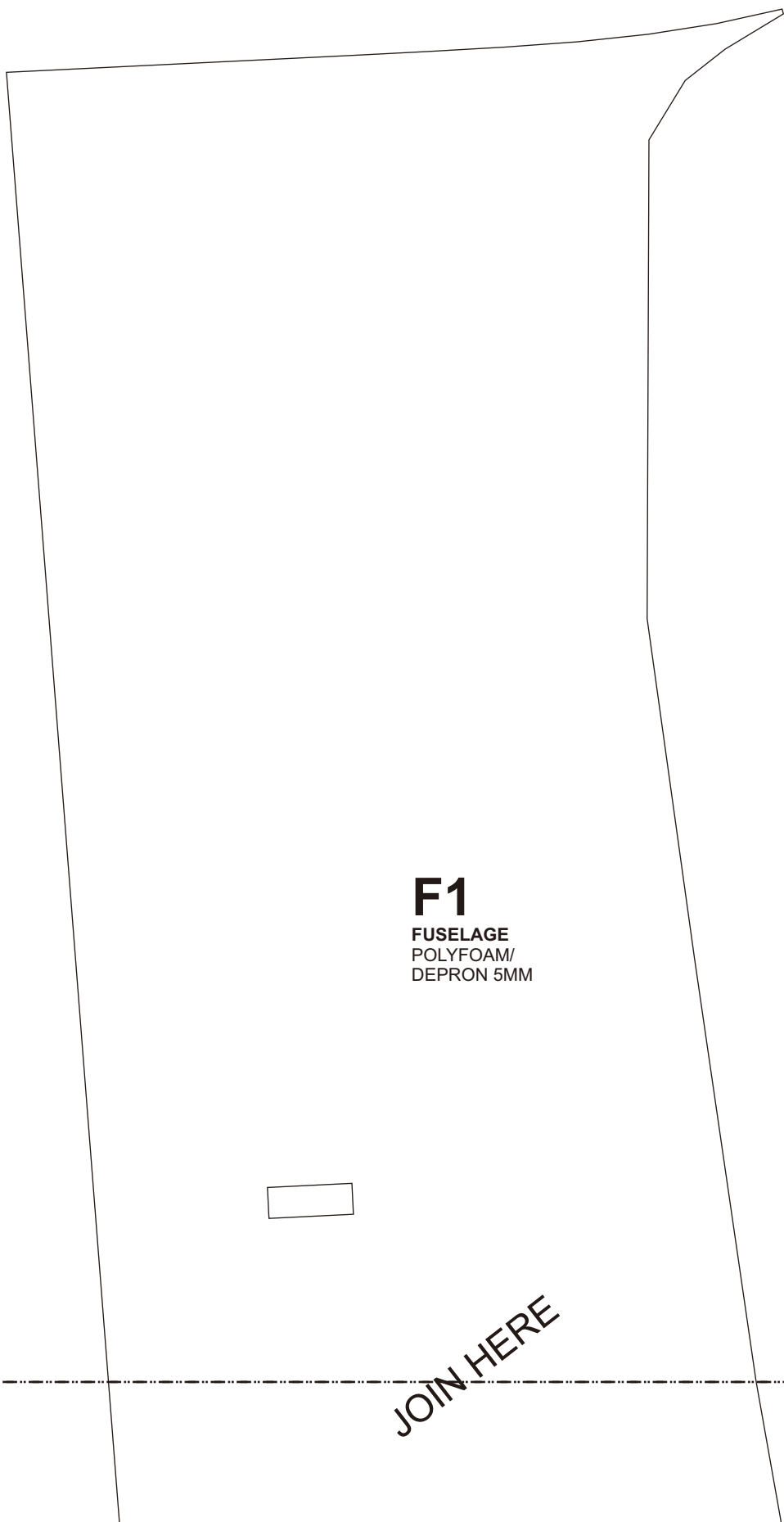
- Jumper T16 + BetaFPV Express LRS TX module
- 10 ch BetaFPV Express LRS RX

## Materials :

1. 5mm Foamboard/ Depron/ Polyfoam
2. 10mm Carbon Tube/ Bamboo/ Wood Dowel 30 cm
2. 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



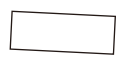
**F1**  
FUSELAGE  
POLYFOAM/  
DEPRON 5MM

JOIN HERE

JOIN HERE

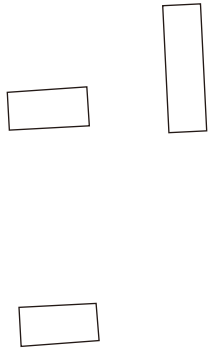
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F1



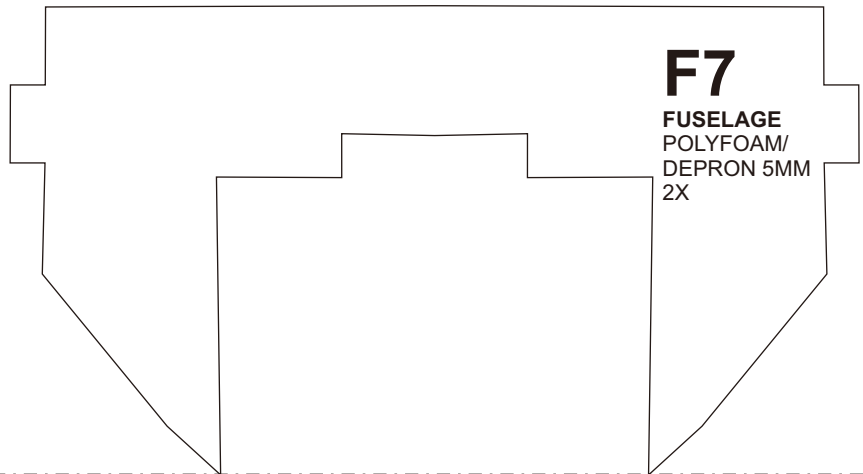
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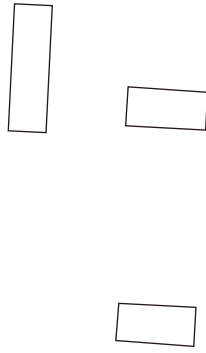
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**F7**

FUSELAGE  
POLYFOAM/  
DEPRON 5MM  
2X

JOIN HERE

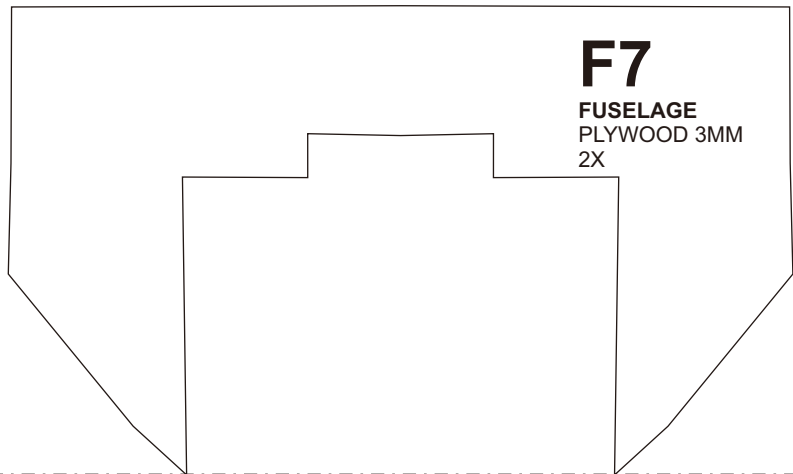


**F1**

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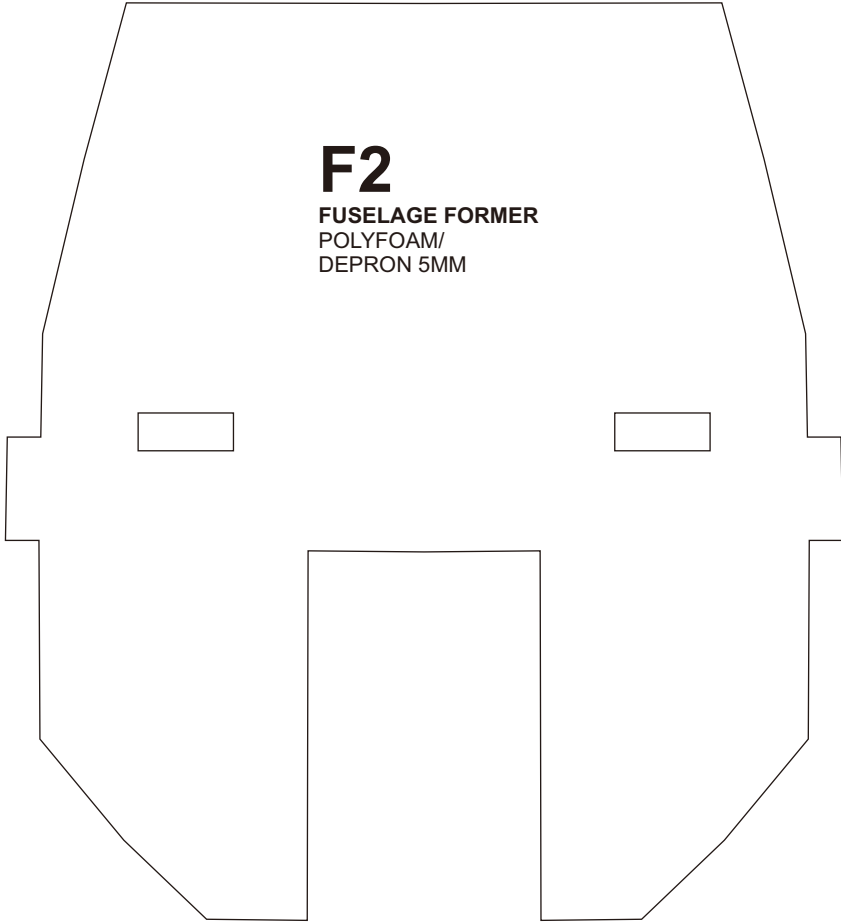
PLYWOOD 3MM  
4X  
**F8**



**F7**  
FUSELAGE  
PLYWOOD 3MM  
2X

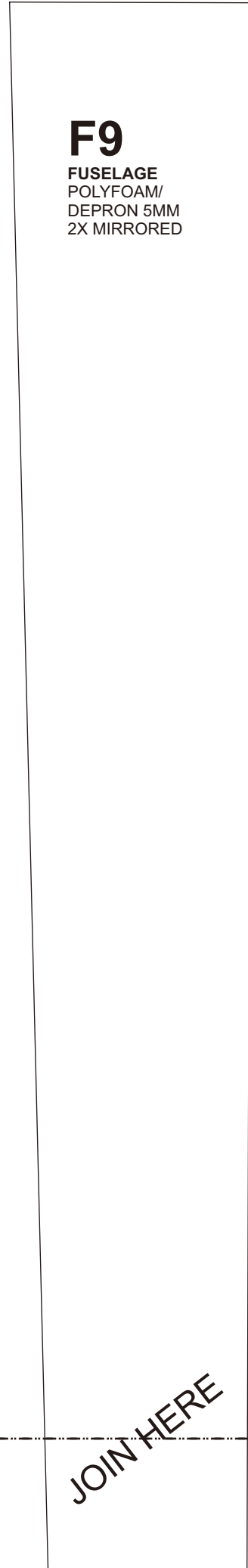
**F2**

FUSELAGE FORMER  
POLYFOAM/  
DEPRON 5MM



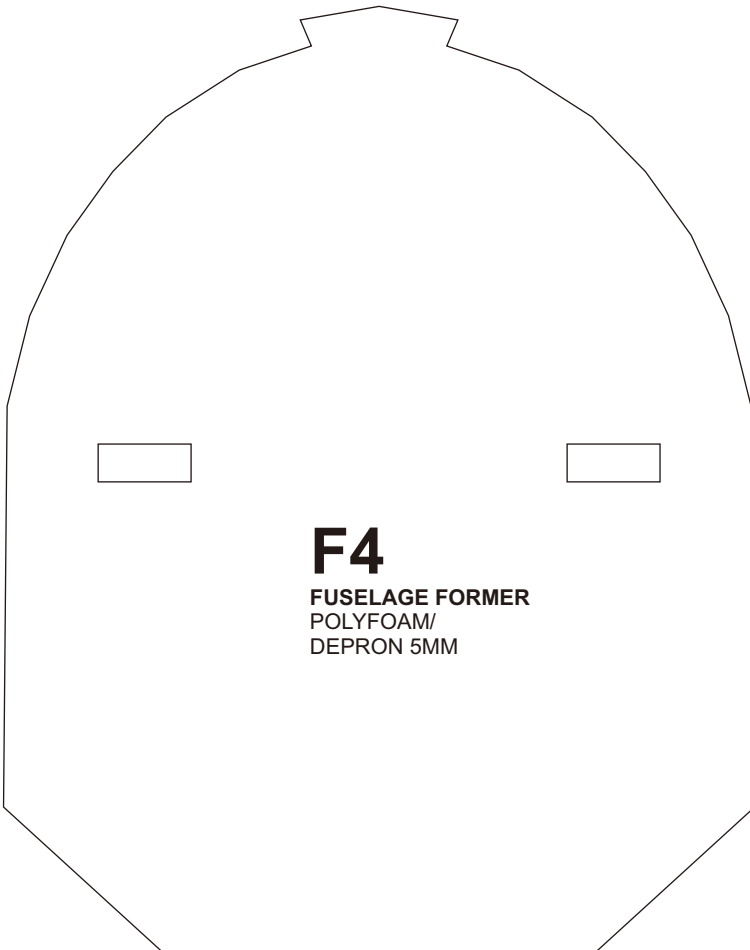
**F9**

FUSELAGE  
POLYFOAM/  
DEPRON 5MM  
2X MIRRORED



**F4**

FUSELAGE FORMER  
POLYFOAM/  
DEPRON 5MM

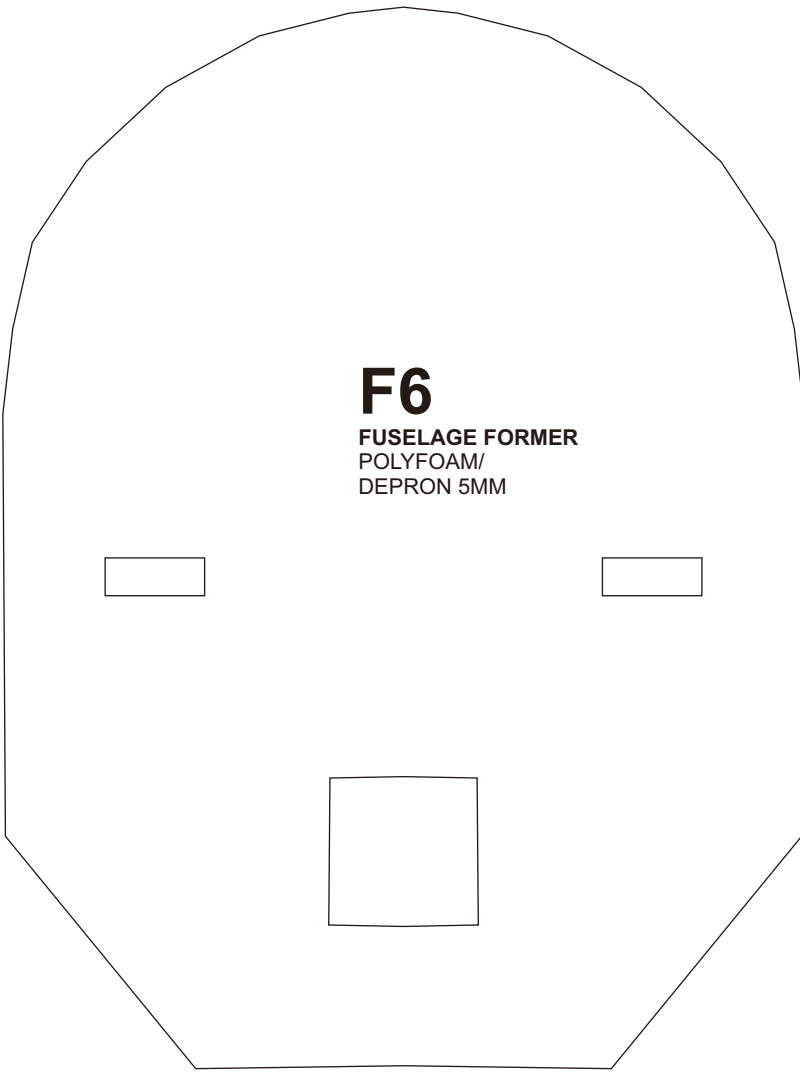


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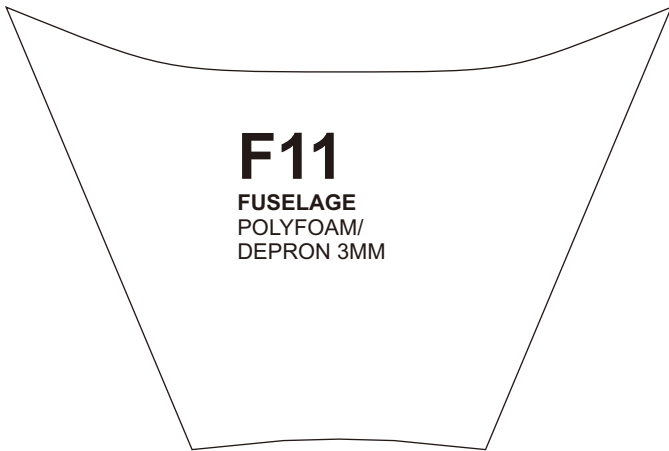
FUSELAGE FORMER  
POLYFOAM/  
DEPRON 5MM



F9

**F11**

FUSELAGE  
POLYFOAM/  
DEPRON 3MM





FRONT

**F3**

FUSELAGE  
POLYFOAM/  
DEPRON 5MM

**F10**

FUSELAGE  
POLYFOAM/  
DEPRON 5MM

JOIN HERE

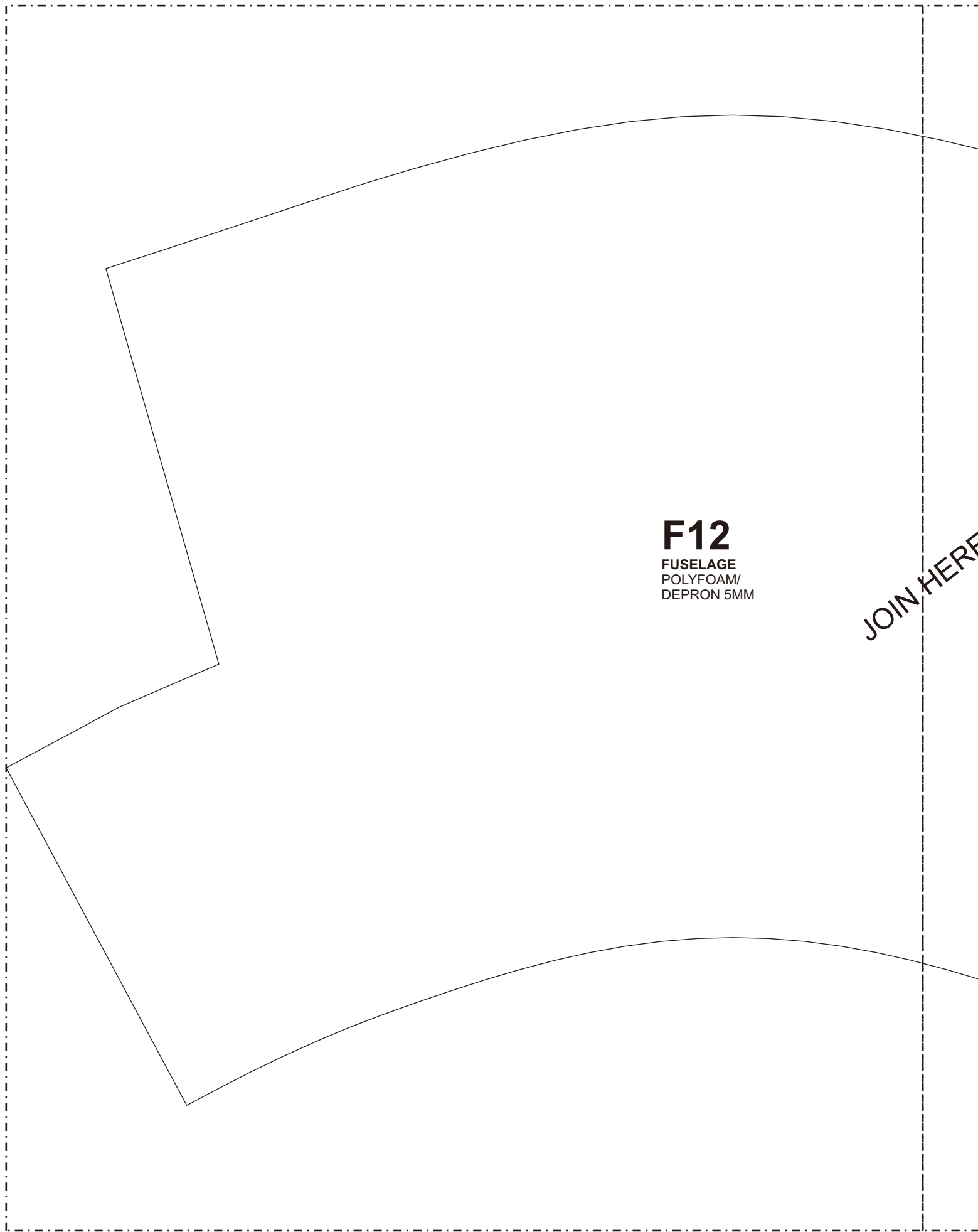


JOIN HERE

**F5**

FUSELAGE  
POLYFOAM/  
DEPRON 5MM

**F10**



**F12**  
FUSELAGE  
POLYFOAM/  
DEPRON 5MM

JOIN HERE

JOIN HERE

**F12**

**F13**

FUSELAGE FORMER  
POLYFOAM/  
DEPRON 5MM





# F16

FUSELAGE  
POLYFOAM/  
DEPRON 5MM

JOIN HERE

JOIN HERE

JOIN



UP

# F18

FUSELAGE  
POLYFOAM/  
DEPRON 5MM  
2X MIRRORED



FRONT

F16

# F22

FUSELAGE  
POLYFOAM/  
DEPRON 5MM  
2X MIRRORED

JOIN HERE

JOIN HERE

JOIN HERE

JOIN

F16

JOIN HER

JOIN HERE

**F15**  
NOSE CONE  
FOAM BLOCK

**F14**  
FUSELAGE  
POLYFOAM/  
DEPRON 5MM

**F16**

JOIN HERE



FRONT

**F29**

FUSELAGE  
POLYFOAM/  
DEPRON 5MM



**F17**

FUSELAGE  
POLYFOAM/  
DEPRON 5MM  
2X MIRRORED

JOIN HERE



JOIN HERE



**F17**



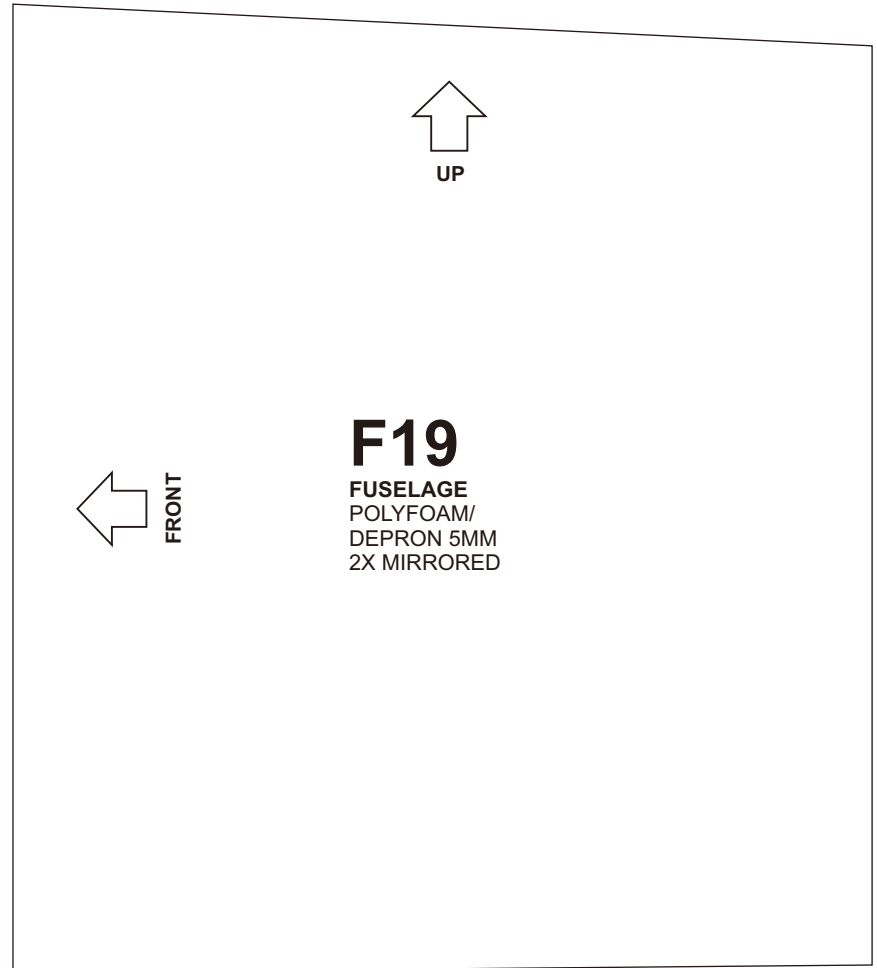
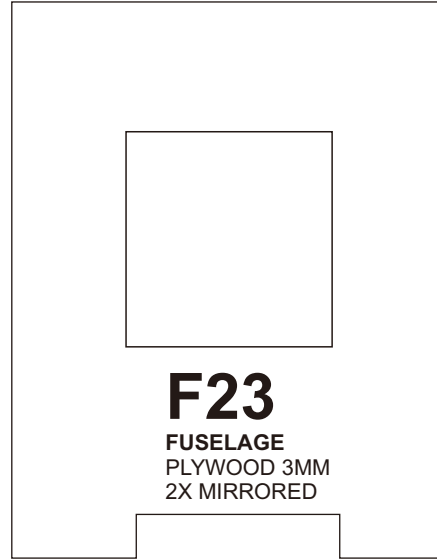
**F29**



JOIN HERE

JOIN HERE

F17





# F17A

FUSELAGE - ALTERNATIVE AIR INTAKE  
POLYFOAM/  
DEPRON 5MM  
2X MIRRORED

JOIN HERE

JOIN HERE



**F17A**



JOIN HERE

JOIN HERE

F17A

**F25A**

FUSELAGE  
POLYFOAM/  
DEPRON 5MM  
2X MIRRORED

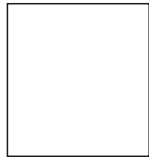


## F20

FUSELAGE  
POLYFOAM/  
DEPRON 5MM  
2X MIRRORED

## F26

FUSELAGE  
POLYFOAM/  
DEPRON 5MM



## F27

FUSELAGE  
POLYFOAM/  
DEPRON 5MM  
2X

**F25**

FUSELAGE  
POLYFOAM/  
DEPRON 5MM  
2X MIRRORED



FRONT

**F28**

FUSELAGE  
POLYFOAM/  
DEPRON 5MM  
2X MIRRORED



UP

JOIN HERE

JOIN HERE

**F21**

FUSELAGE  
POLYFOAM/  
DEPRON 5MM  
2X MIRRORED

**F28**

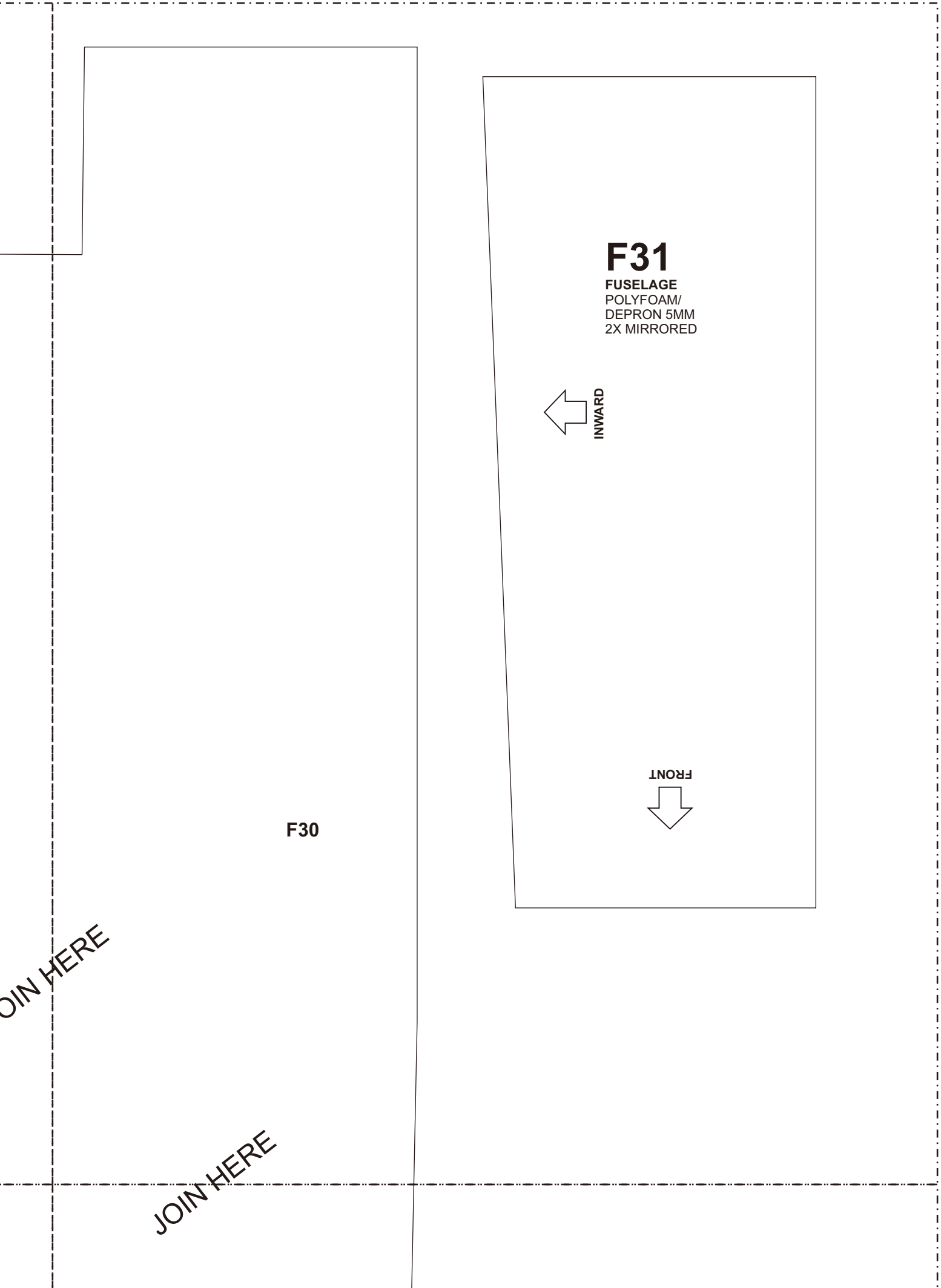


**F30**

FUSELAGE  
POLYFOAM/  
DEPRON 5MM

JOIN HERE

JOIN HERE



**F31**

FUSELAGE  
POLYFOAM/  
DEPRON 5MM  
2X MIRRORED



**F30**

JOIN HERE

JOIN HERE

JOIN HERE

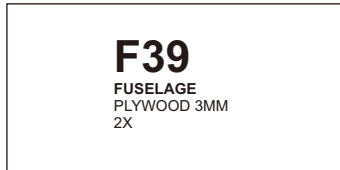
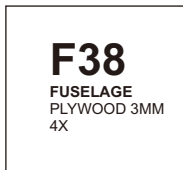
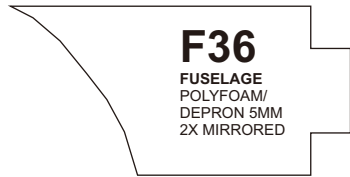
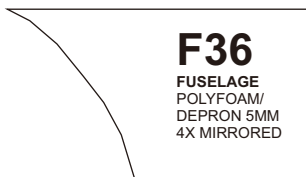
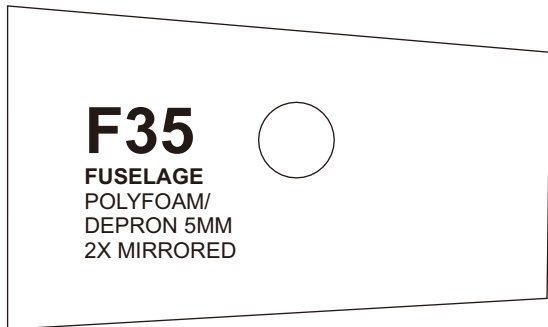
JOIN HERE

F30

JOIN HERE

JOIN HERE

F30



**F32**

FUSELAGE  
POLYFOAM/  
DEPRON 5MM

**F33**

JOIN HERE

JOIN HERE

JOIN HERE

# F33

FUSELAGE  
POLYFOAM/  
DEPRON 5MM

JOIN HERE

JOIN HERE

F32

F33

JOIN HERE

JOIN HERE

F33

JOIN HERE



# F34

FUSELAGE  
POLYFOAM/  
DEPRON 5MM  
2X MIRRORED



JOIN HERE

JOIN HERE

JOIN HERE

# F41

FUSELAGE  
POLYFOAM/  
DEPRON 5MM

JOIN HERE

JOIN HERE

JOIN HERE

JOIN HERE

JOIN HERE

**F34**



**F42**

FUSELAGE  
FORMER  
POLYFOAM/  
DEPRON 5MM  
2X MIRRORED

**F44**

FUSELAGE  
FORMER  
POLYFOAM/  
DEPRON 5MM  
2X

JOIN HERE

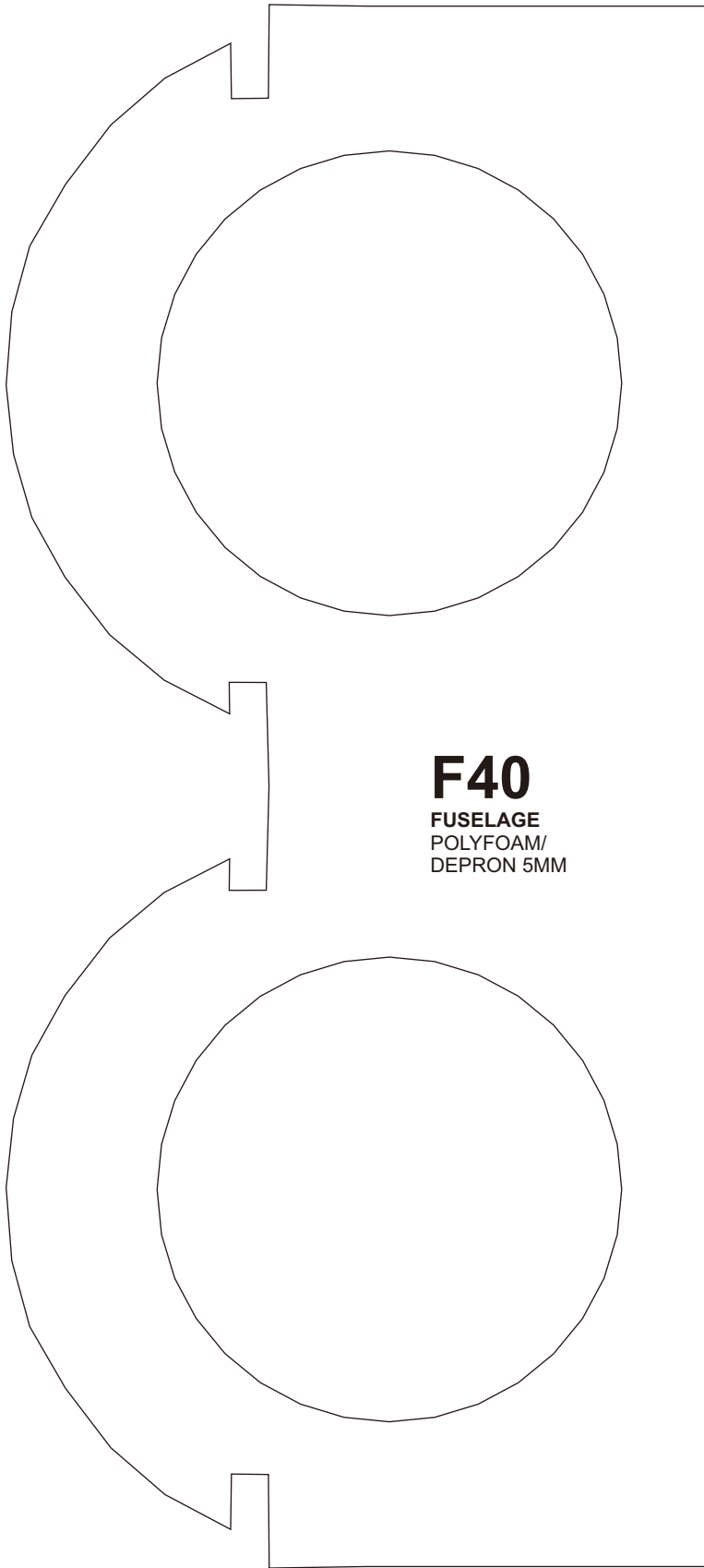
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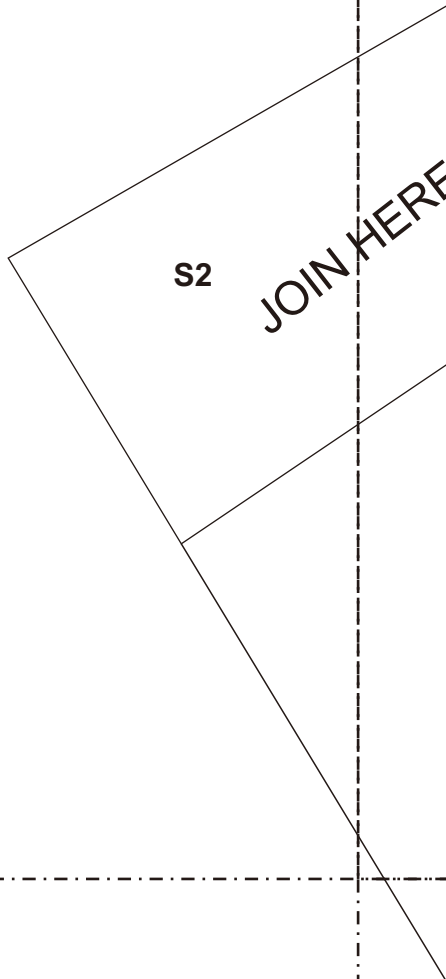


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F44

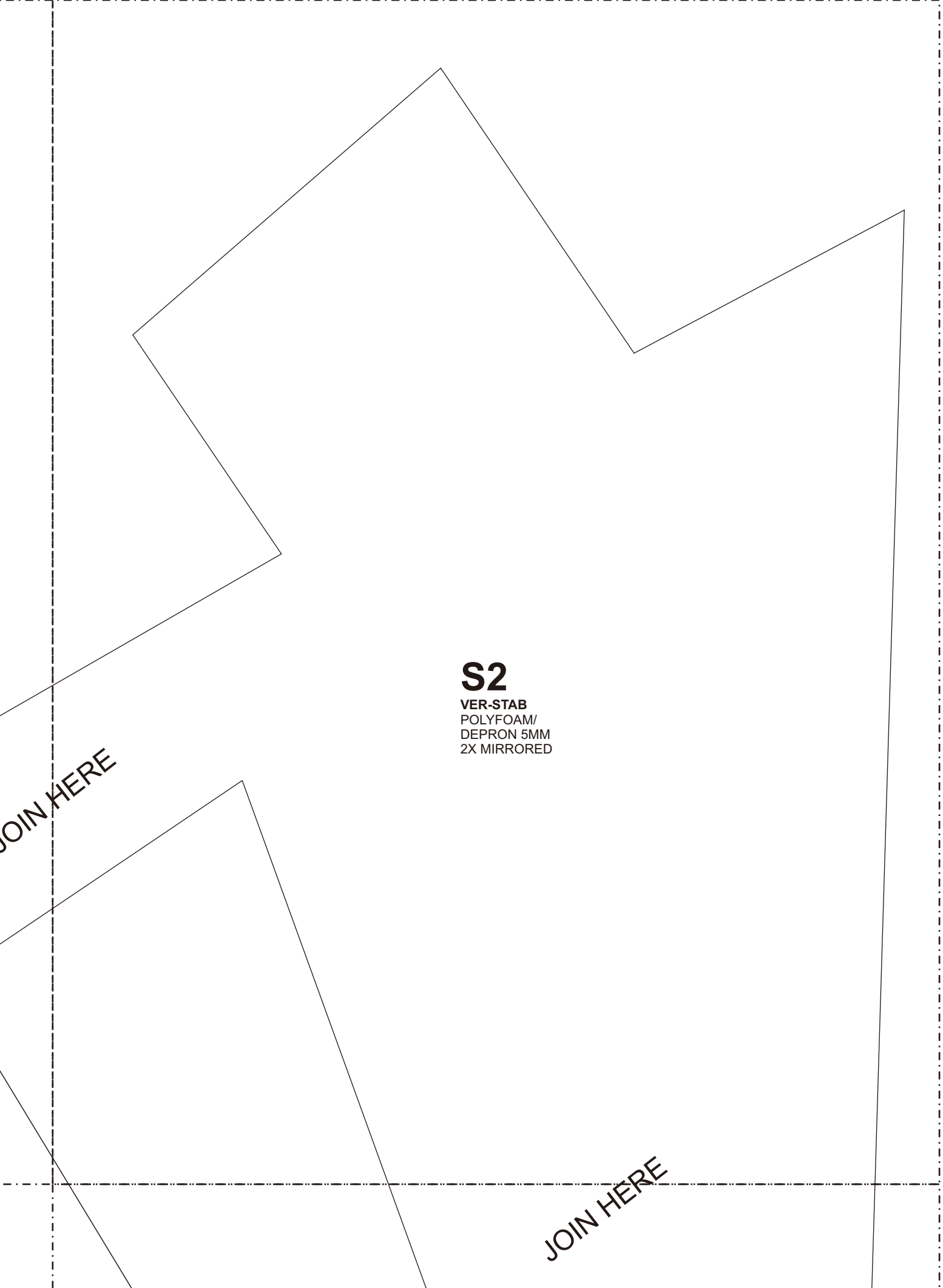


**F40**  
FUSELAGE  
POLYFOAM/  
DEPRON 5MM



S2

JOIN HERE



# S2

VER-STAB  
POLYFOAM/  
DEPRON 5MM  
2X MIRRORED

JOIN HERE

JOIN HERE

JOIN HERE

S2

**F45**  
FUSELAGE  
POLYFOAM/  
DEPRON 5MM  
2X MIRRORED

JOIN HERE

**F46**  
FUSELAGE  
POLYFOAM/  
DEPRON 5MM  
2X MIRRORED

JOIN HERE



JOIN HERE

JOIN HERE

F45

F46

JOIN HERE

JOIN HERE

JOIN HERE

JOIN HERE

**F45**

**F46**

# F48

FUSELAGE  
POLYFOAM/  
DEPRON 5MM  
2X MIRRORED



JOIN HERE



FRONT

# F49

FUSELAGE  
POLYFOAM/  
DEPRON 5MM  
2X MIRRORED



JOIN HERE

JOIN HERE

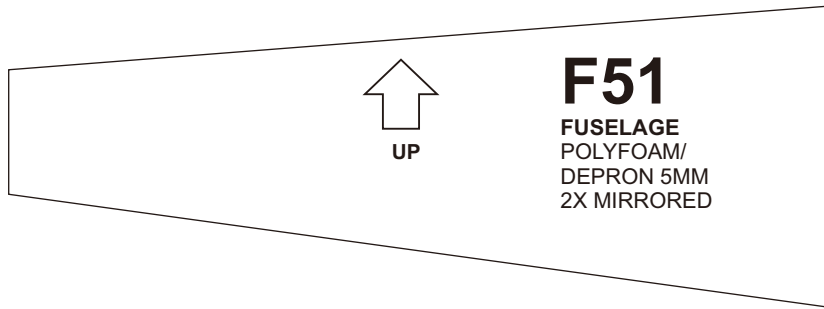
JOIN HERE

F48

F49

**F43**

FUSELAGE  
POLYFOAM/  
DEPRON 5MM  
2X MIRRORED

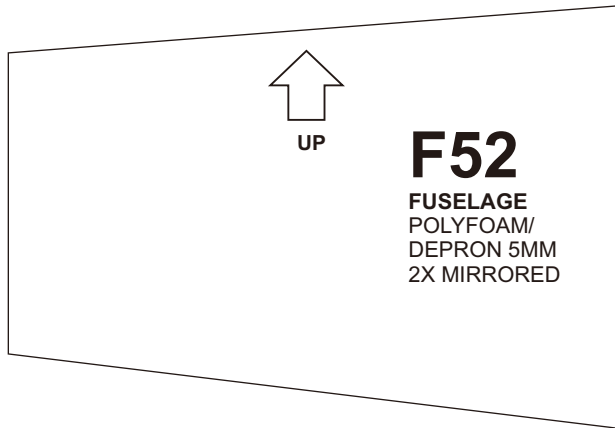


**F51**

FUSELAGE  
POLYFOAM/  
DEPRON 5MM  
2X MIRRORED



UP



**F52**

FUSELAGE  
POLYFOAM/  
DEPRON 5MM  
2X MIRRORED



UP

**F50**

FUSELAGE  
POLYFOAM/  
DEPRON 5MM  
2X MIRRORED

JOIN HERE

JOIN HERE

**F50**

**F43**

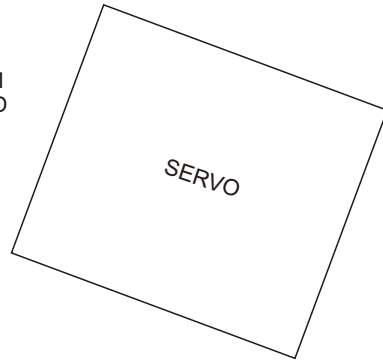
**FUSELAGE**  
POLYFOAM/  
DEPRON 5MM  
2X MIRRORED

**F47**

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

# W1

WING BASE  
POLYFOAM/  
DEPRON 5MM  
2X MIRRORED



JOIN HERE

# W3

WING SPAR  
POLYFOAM/  
DEPRON 5MM  
2X MIRRORED

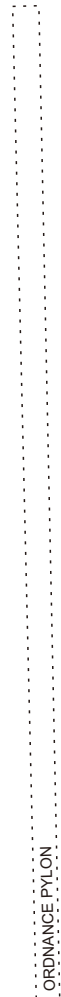
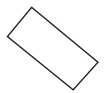
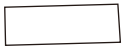


JOIN HERE

JOIN HERE

JOIN HERE

W1



ORDNANCE PYLON

JOIN HERE



JOIN HERE

W1



W2

WING FORMER  
POLYFOAM/  
DEPRON 5MM  
2X MIRRORED

W4

WING SPAR  
POLYFOAM/  
DEPRON 5MM  
2X MIRRORED

JOIN HERE

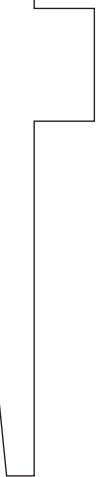
W4

W  
PC  
DI  
2)

JOIN HERE

W1

W3



JOIN HERE

ORDNANCE

W1

JOIN HERE

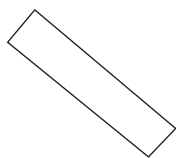
JOIN HERE

W4

W2

W1

JOIN HERE

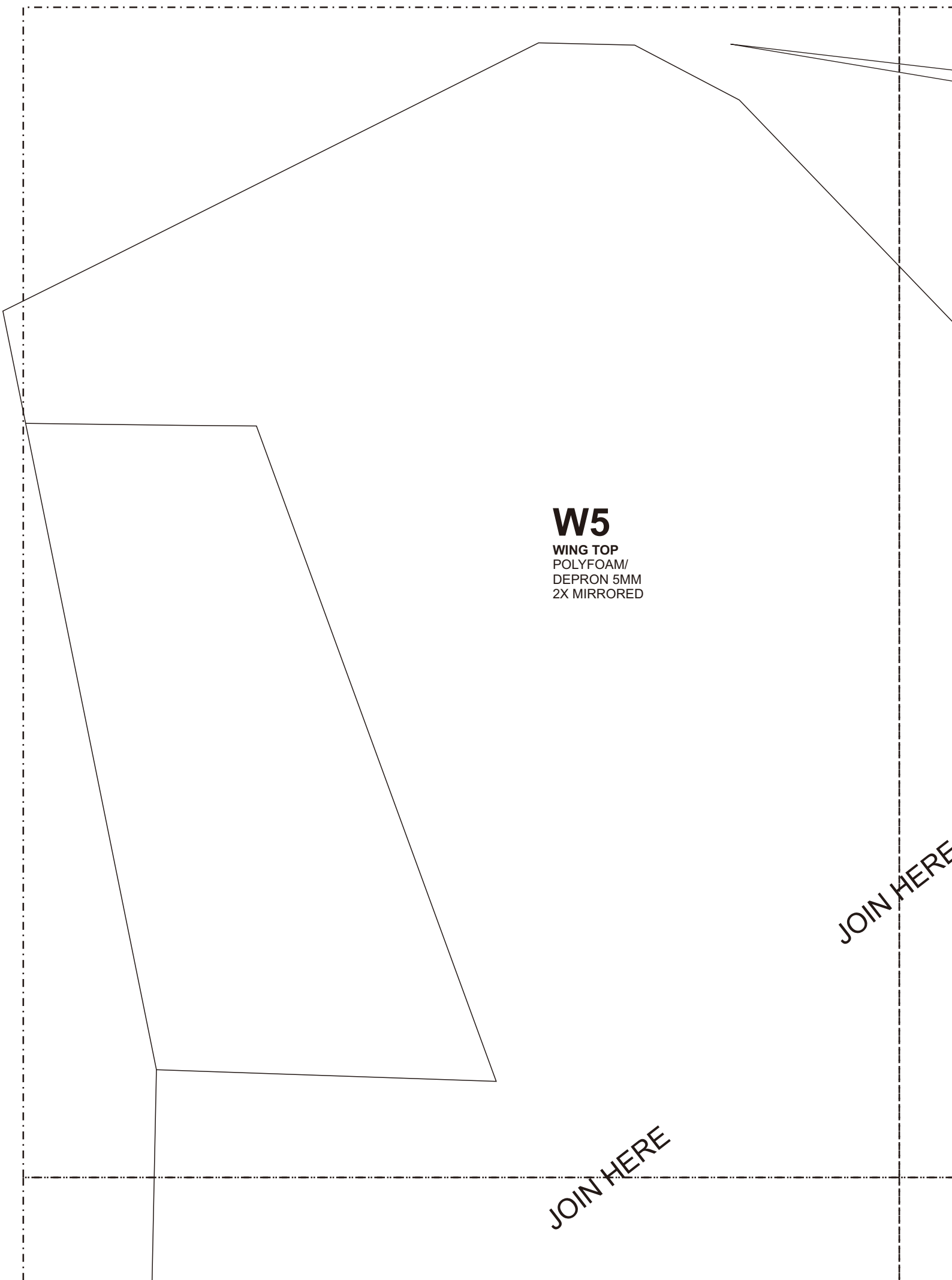


JOIN HERE

W1

JOIN HERE

W1

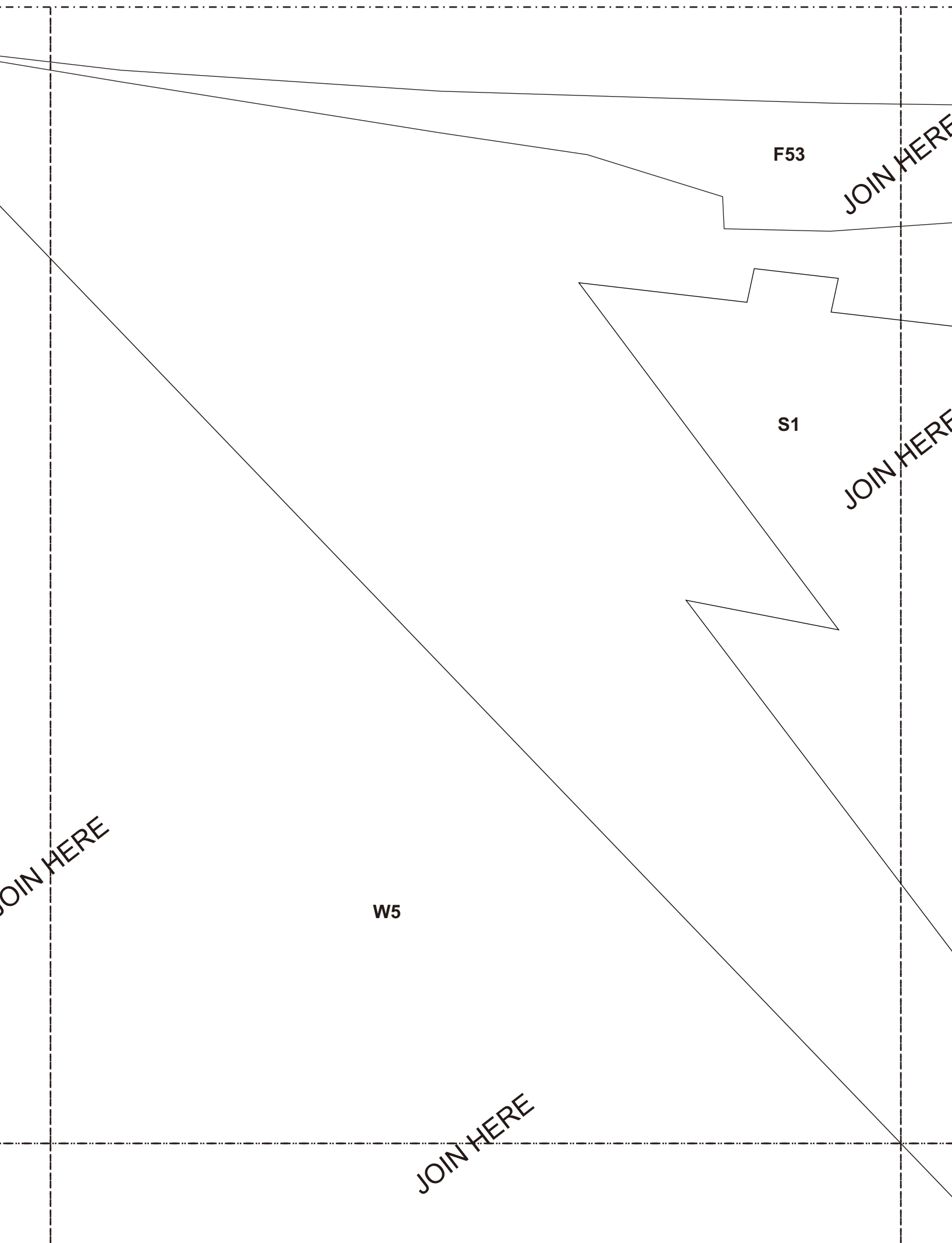


# W5

WING TOP  
POLYFOAM/  
DEPRON 5MM  
2X MIRRORED

JOIN HERE

JOIN HERE



F53

S1

W5

JOIN HERE

JOIN HERE

JOIN HERE

JOIN HERE

JOIN HERE

# F53

WING TOP  
POLYFOAM/  
DEPRON 5MM  
2X MIRRORED

JOIN HERE

# S1

HOR-STAB  
POLYFOAM/  
DEPRON 5MM  
2X MIRRORED

JOIN HERE



JOIN HERE

W5

JOIN HERE

F54

JOIN HERE

JOIN HERE

JOIN HERE

W5

JOIN HERE

JOIN HERE

**F54**

WING TOP  
POLYFOAM/  
DEPRON 5MM  
2X MIRRORED

JOIN HERE

JOIN HERE

S1

JOIN HERE

W5

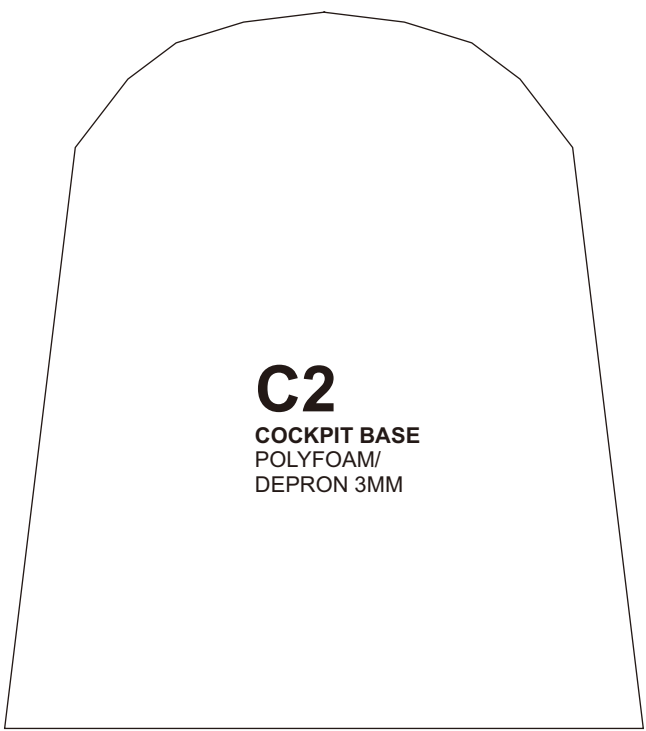
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F54

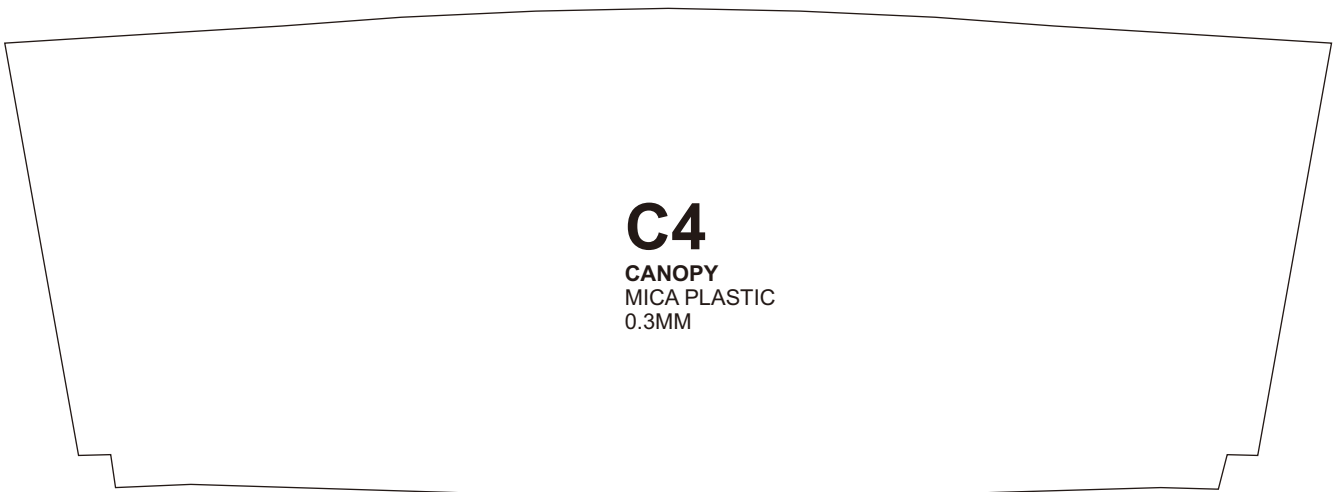
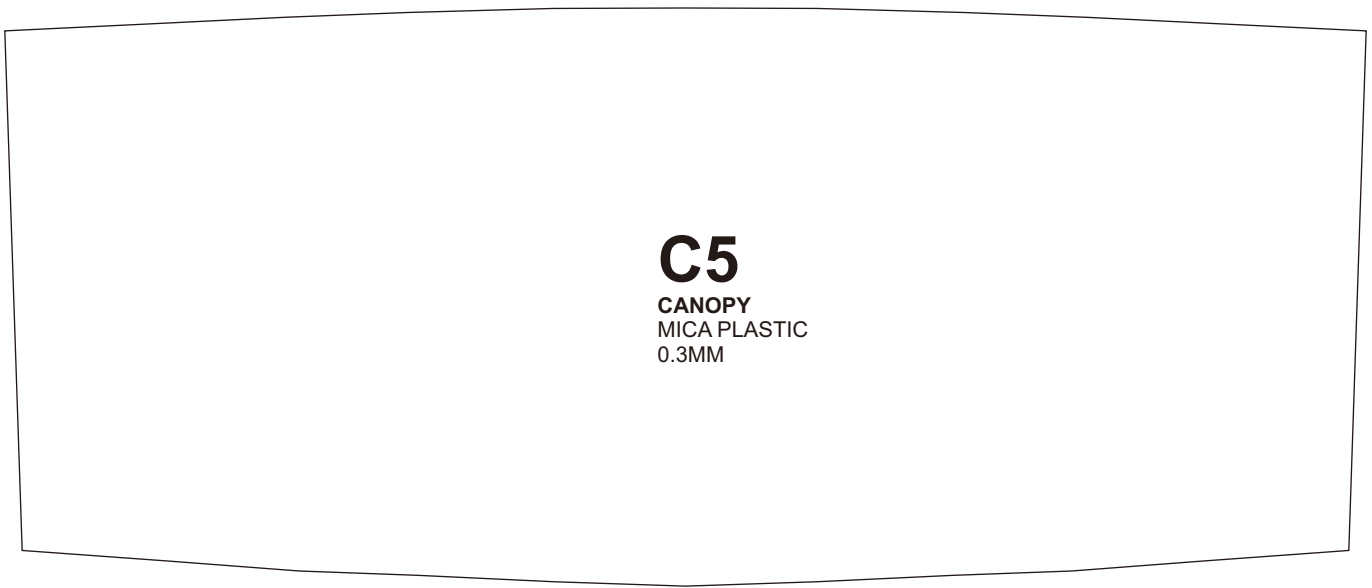
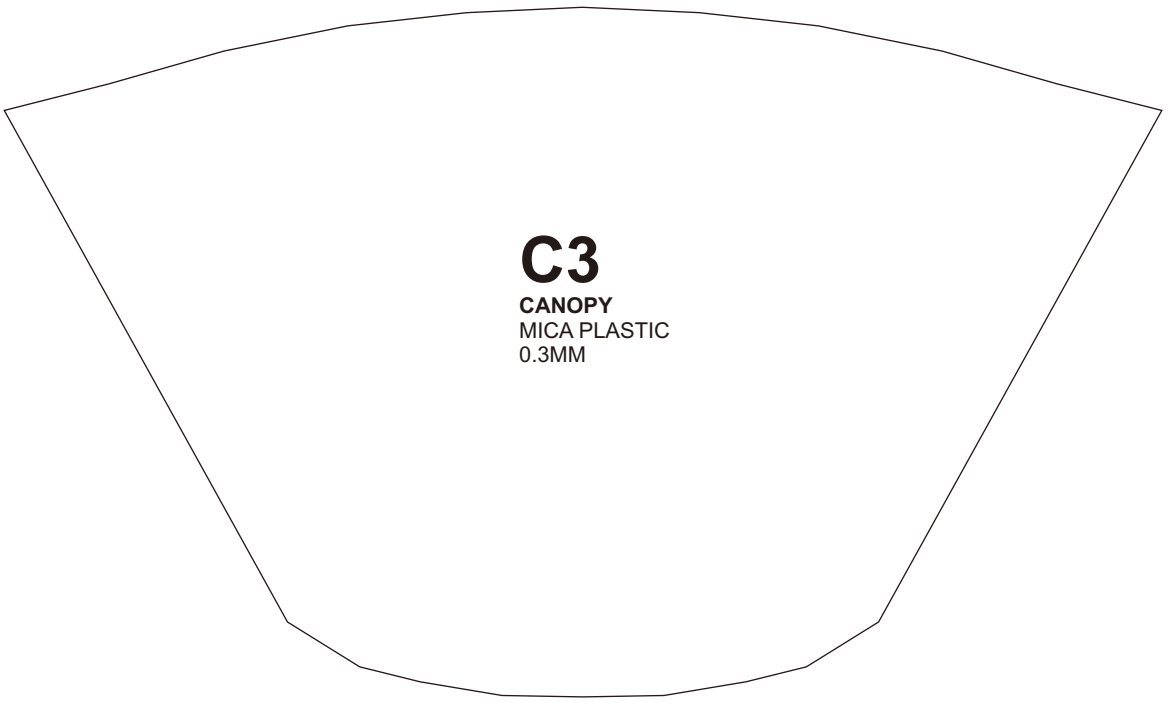


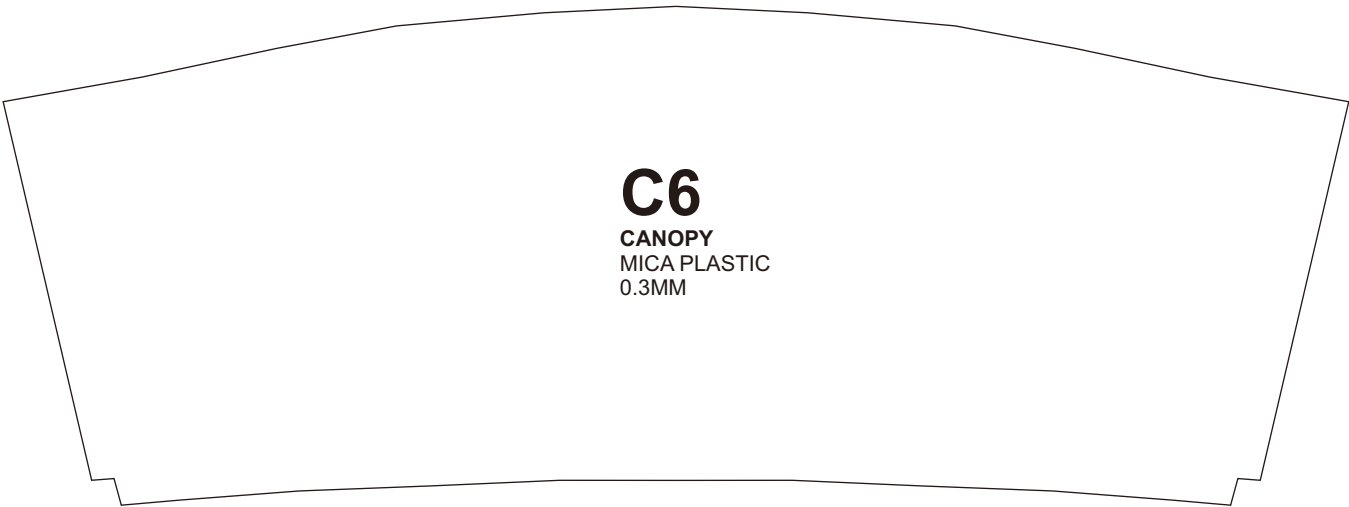


**C1**  
COCKPIT BASE  
POLYFOAM/  
DEPRON 3MM



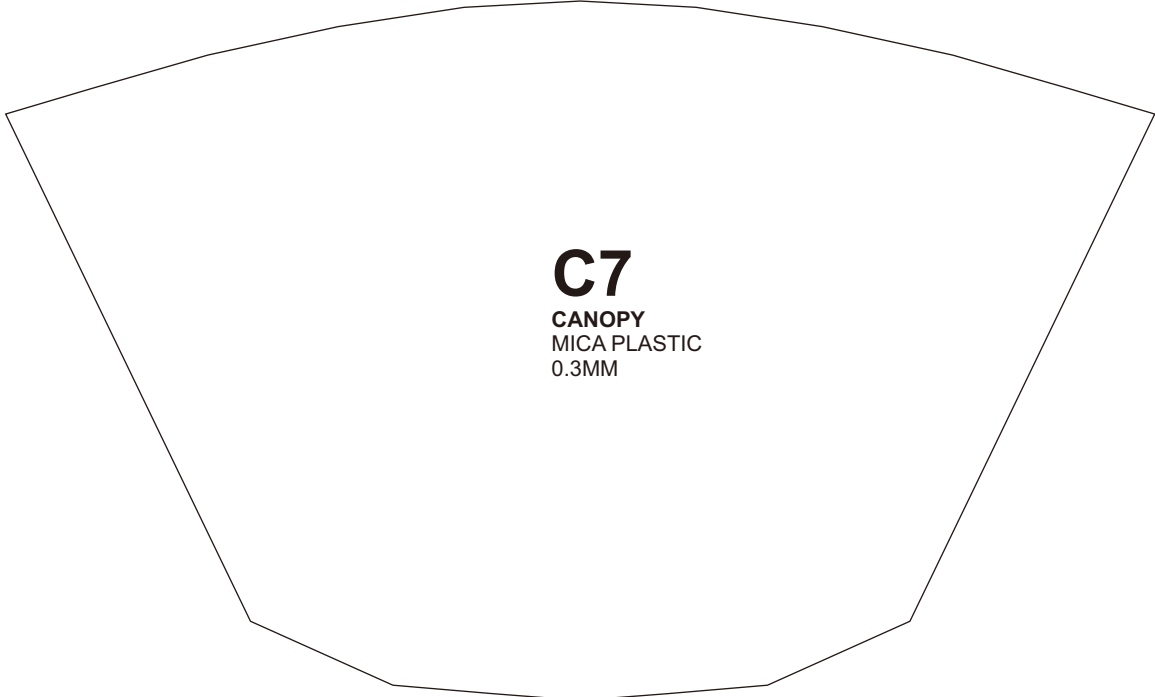
**C2**  
COCKPIT BASE  
POLYFOAM/  
DEPRON 3MM





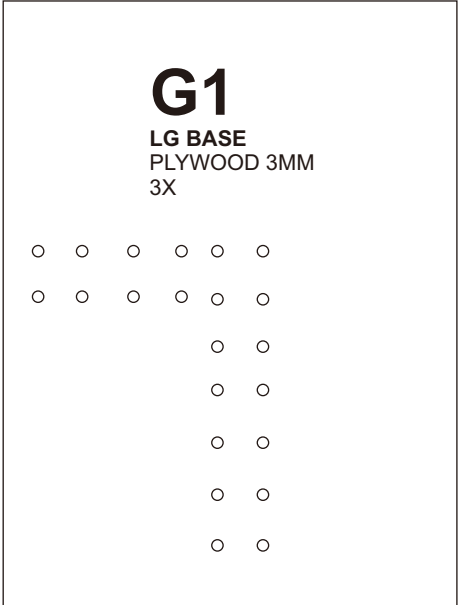
**C6**

**CANOPY**  
MICA PLASTIC  
0.3MM



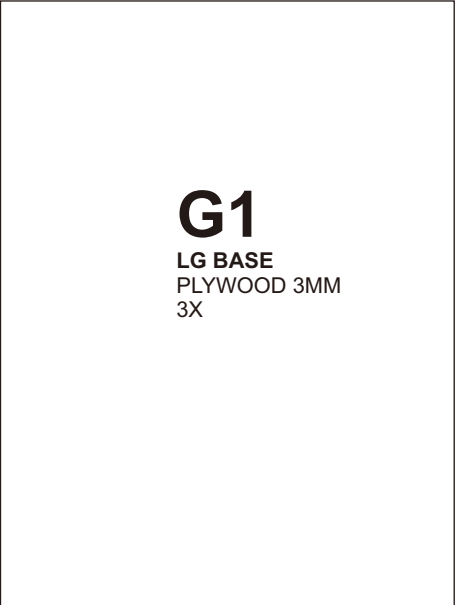
**C7**

**CANOPY**  
MICA PLASTIC  
0.3MM



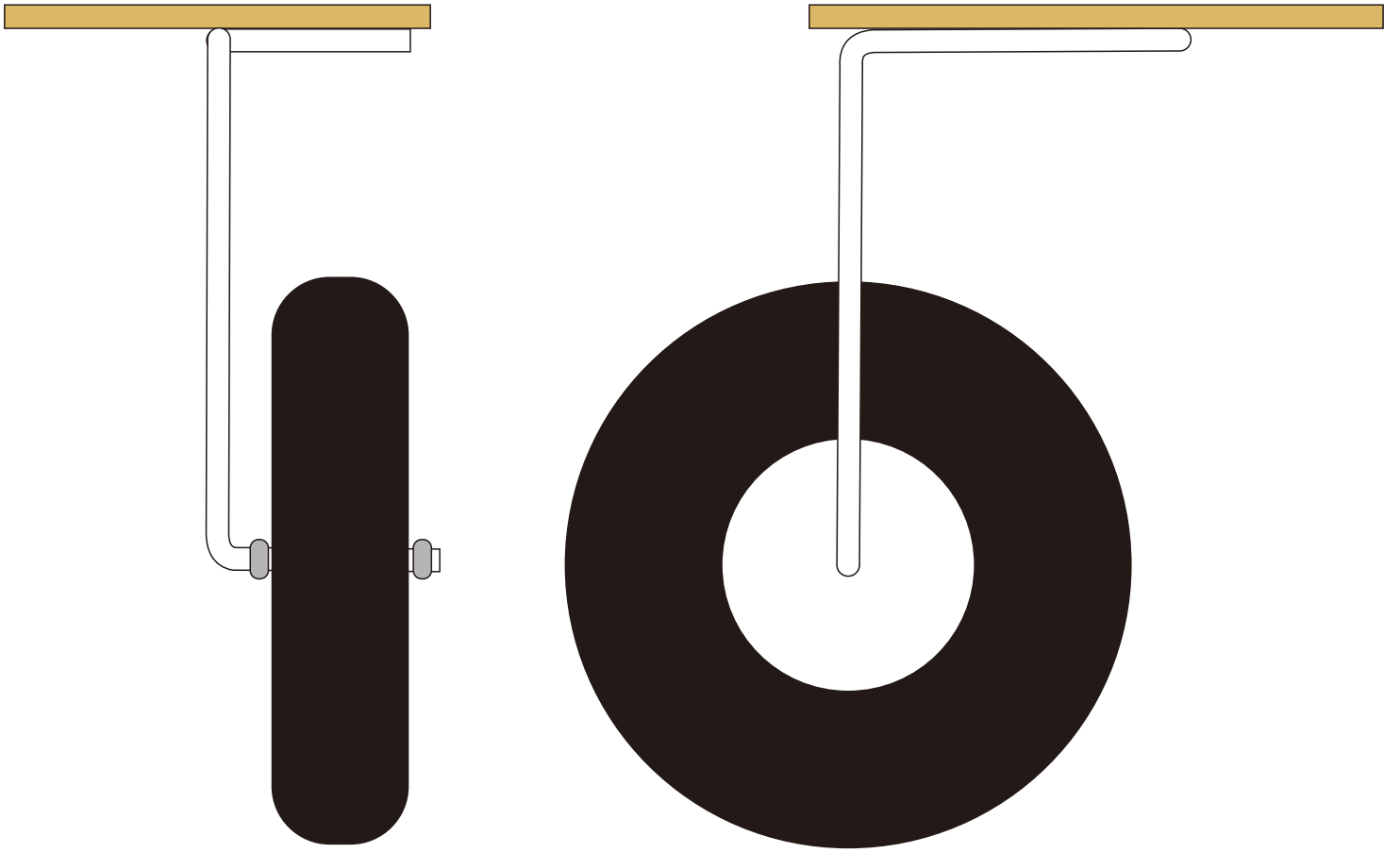
**G1**

**LG BASE**  
PLYWOOD 3MM  
3X

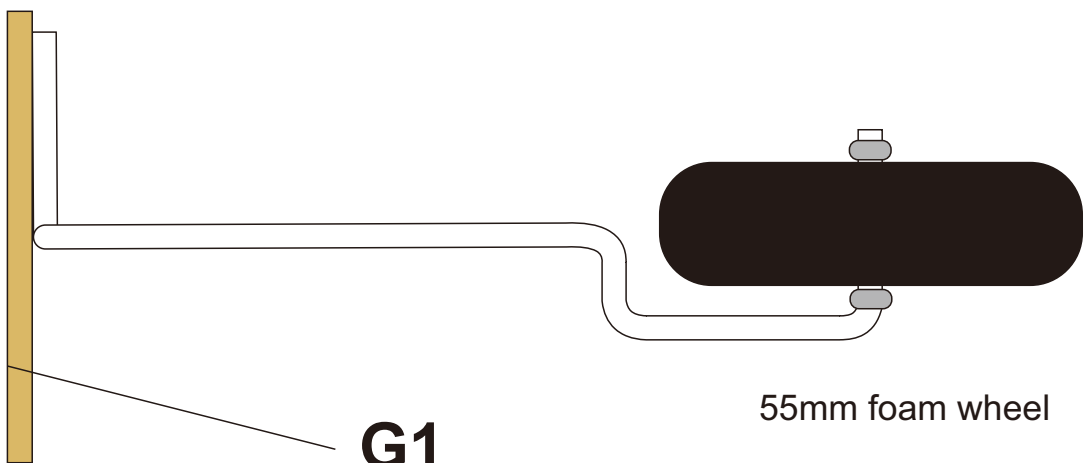


**G1**

**LG BASE**  
PLYWOOD 3MM  
3X



80mm foam wheel



55mm foam wheel

**G1**  
LG BASE  
PLYWOOD 3MM  
3X

**C8**

**COCKPIT MOLDING**  
POLYFOAM/  
DEPRON 5MM  
18X

**C9**

**COCKPIT MOLDING**  
PLYWOOD 3MM

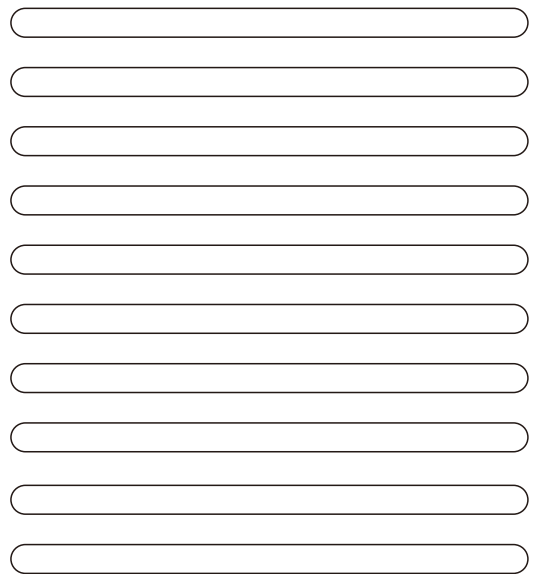
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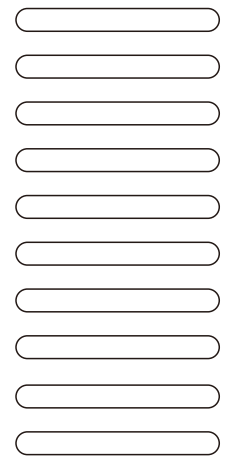
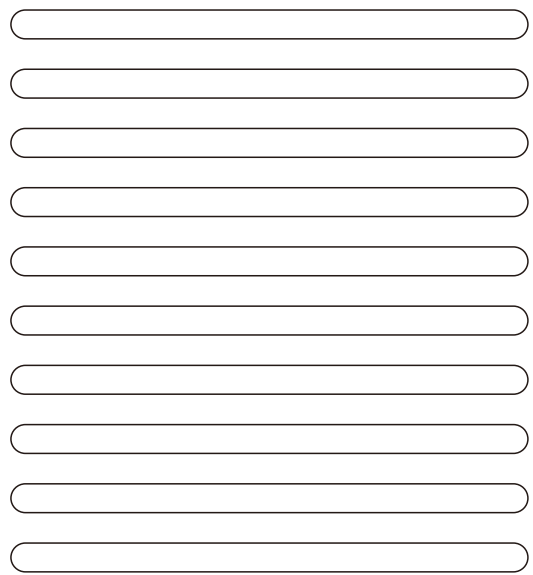
JOIN HERE

C8

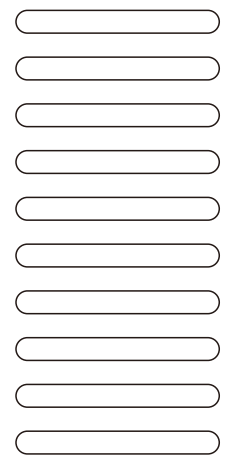
C9



**M2** CHEAT HOLES GRATE  
PLYWOOD 3MM



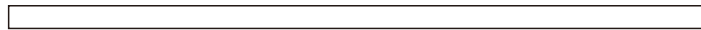
**M3/M4** 3X



# M1

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

**D4A**  
DROP TANK  
POLYFOAM/  
DEPRON 3MM  
2X



JOIN HERE

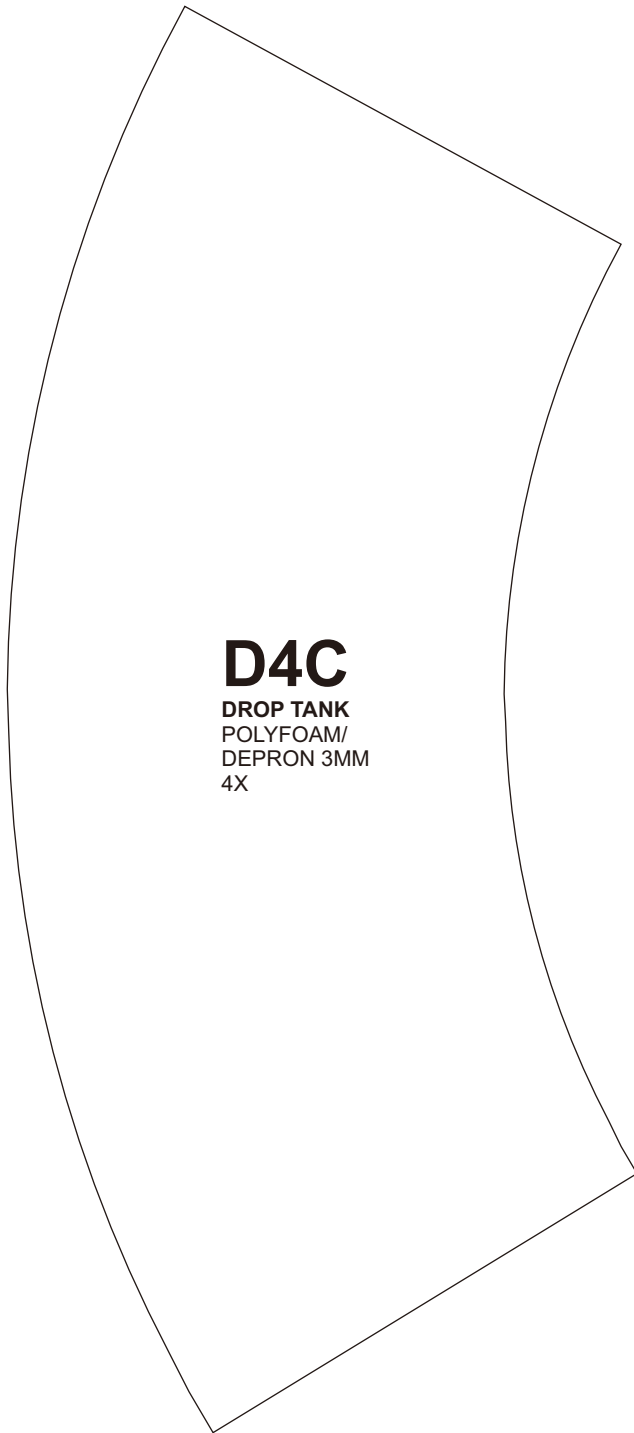
JOIN HERE

D4A



**D4B**  
DROP TANK  
POLYFOAM/  
DEPRON 3MM  
4X





**D4C**

DROP TANK  
POLYFOAM/  
DEPRON 3MM  
4X



**D4D**

DROP TANK  
POLYFOAM/  
DEPRON 3MM  
4X

**D3**

ORDNANCE PYLON  
POLYFOAM/  
DEPRON 3MM  
4X

**D3A**

ORDNANCE PYLON  
LOCK SYSTEM  
PLYWOOD 3MM  
2X

**D4E**

ORDNANCE PYLON  
LOCK SYSTEM  
PLYWOOD 3MM  
2X

JOIN HERE

JOIN HERE

D3

**D1**

VERTICAL STAB DETAIL  
CARD PAPER

**D1**

VERTICAL STAB DETAIL  
CARD PAPER

**D2**

SENSOR  
CARD PAPER

**D2**

SENSOR  
CARD PAPER