



Model : 40/2023



PBY-5 Catalina

2300mm

Specs :

1. Wingspan 2300 mm / 90.5 inches
2. Flying weight : 3000 grams/ 127 oz
3. Wing loading : 41.8 gram/dm² - 13.74 oz/sq.ft.
4. Wing cube loading : 4.9
5. Wing Area : 71.69 dm² / 1111 sq.in.
6. CG : 8.5 cm / 3.3 inch from leading edge

Electronics

- 2x DXW 3536 1200kv
- 2x 50A ESC Aerostar
- 2x Battery Lipo 3S 2200mah
- 7 x 9 gram servos (metal micro servo)

Transmitter

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

Materials :

1. 5mm Foamboard/ Depron/ Polyfoam
2. 2mm Plywood
3. hot glue, UHU glue, CA glue
4. Packing tapes
5. Mica plastic 0.3mm
6. Paper card

Build Instructions :

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

F1

FUSELAGE
POLYFOAM/
DEPRON 5MM

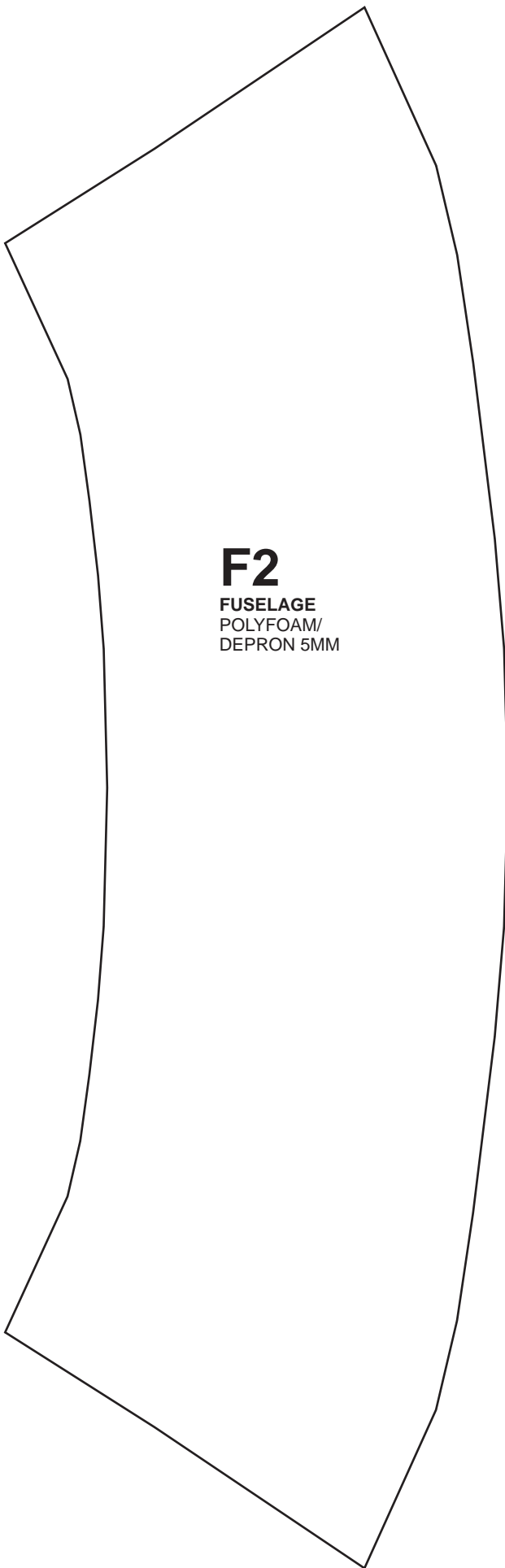
G1

LANDING GEAR BASE
PLYWOOD 3MM

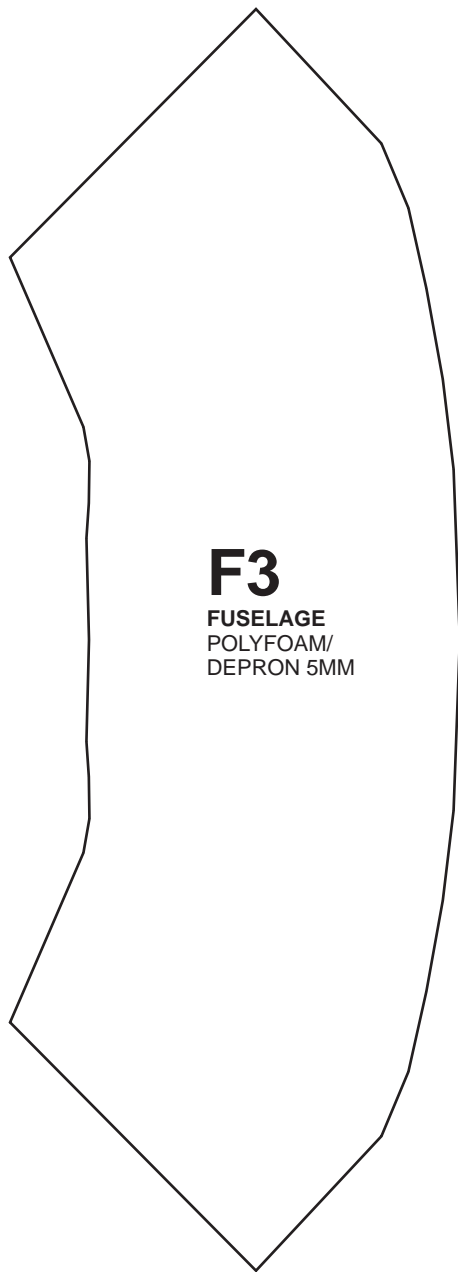
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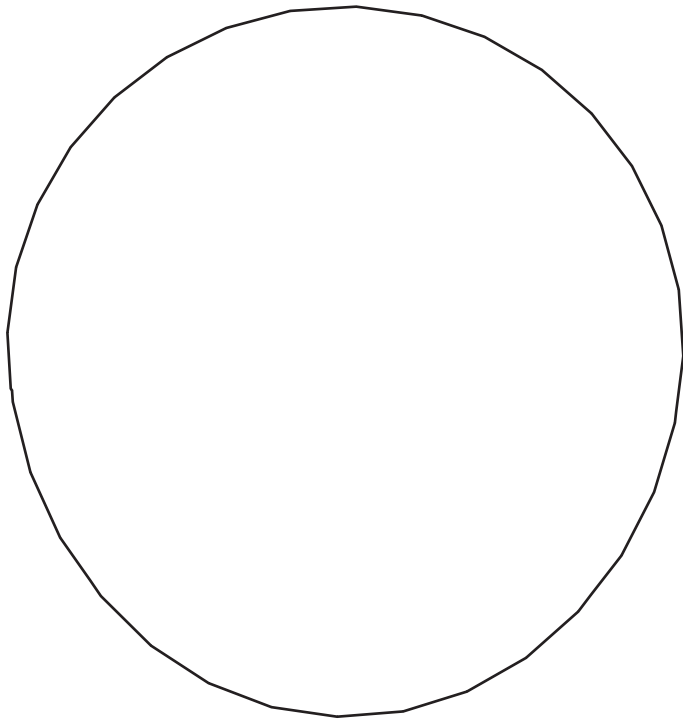
F1



F2
FUSELAGE
POLYFOAM/
DEPRON 5MM



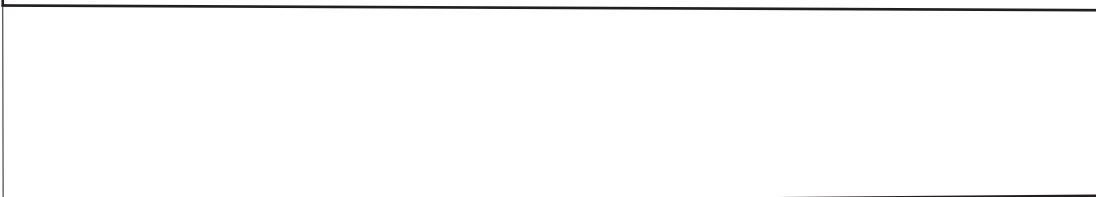
F3
FUSELAGE
POLYFOAM/
DEPRON 5MM



JOIN HERE

F4

FUSELAGE
POLYFOAM/
DEPRON 5MM



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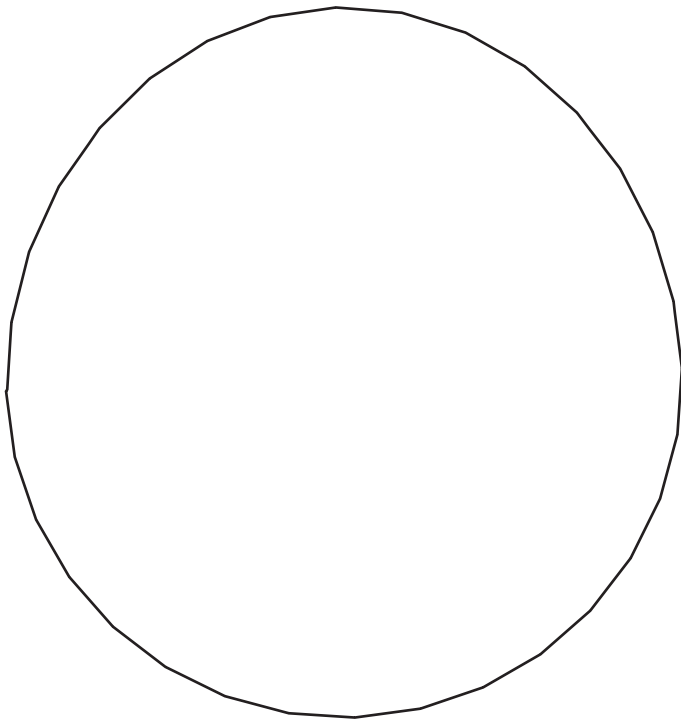
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F4

JOIN HERE

JOIN HERE

F4



JOIN HERE

F5

FUSELAGE
POLYFOAM/
DEPRON 5MM
2X MIRRORED

JOIN HERE

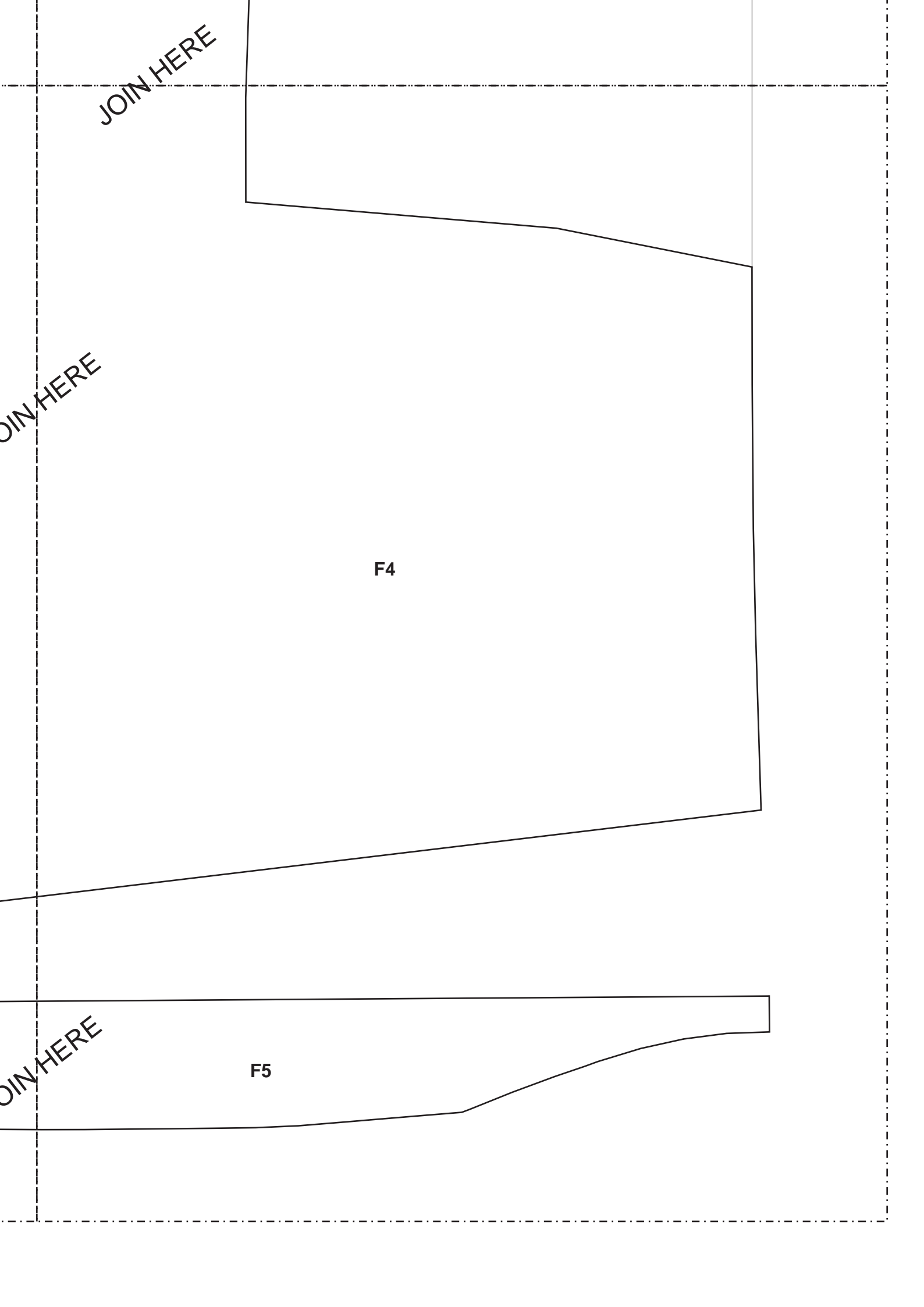
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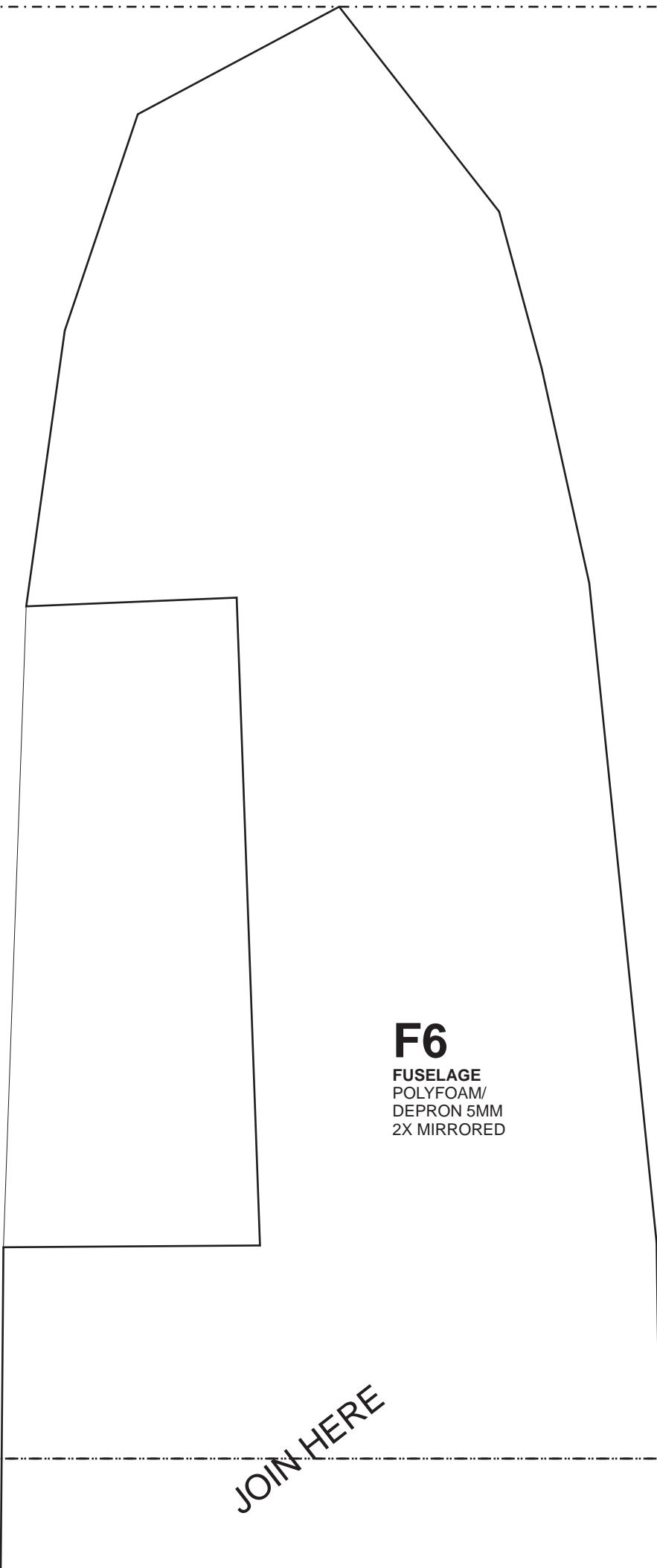
JOIN HERE

F4

JOIN HERE

F5





F6

FUSELAGE
POLYFOAM/
DEPRON 5MM
2X MIRRORED

JOIN HERE

JOIN HERE

F6

JOIN HERE

JOIN HERE

F6

F7

FUSELAGE
POLYFOAM/
DEPRON 5MM

JOIN HERE



F8

FUSELAGE
POLYFOAM/
DEPRON 5MM

C1

CANOPY
MICA PLASTIC
0.3MM

HERE

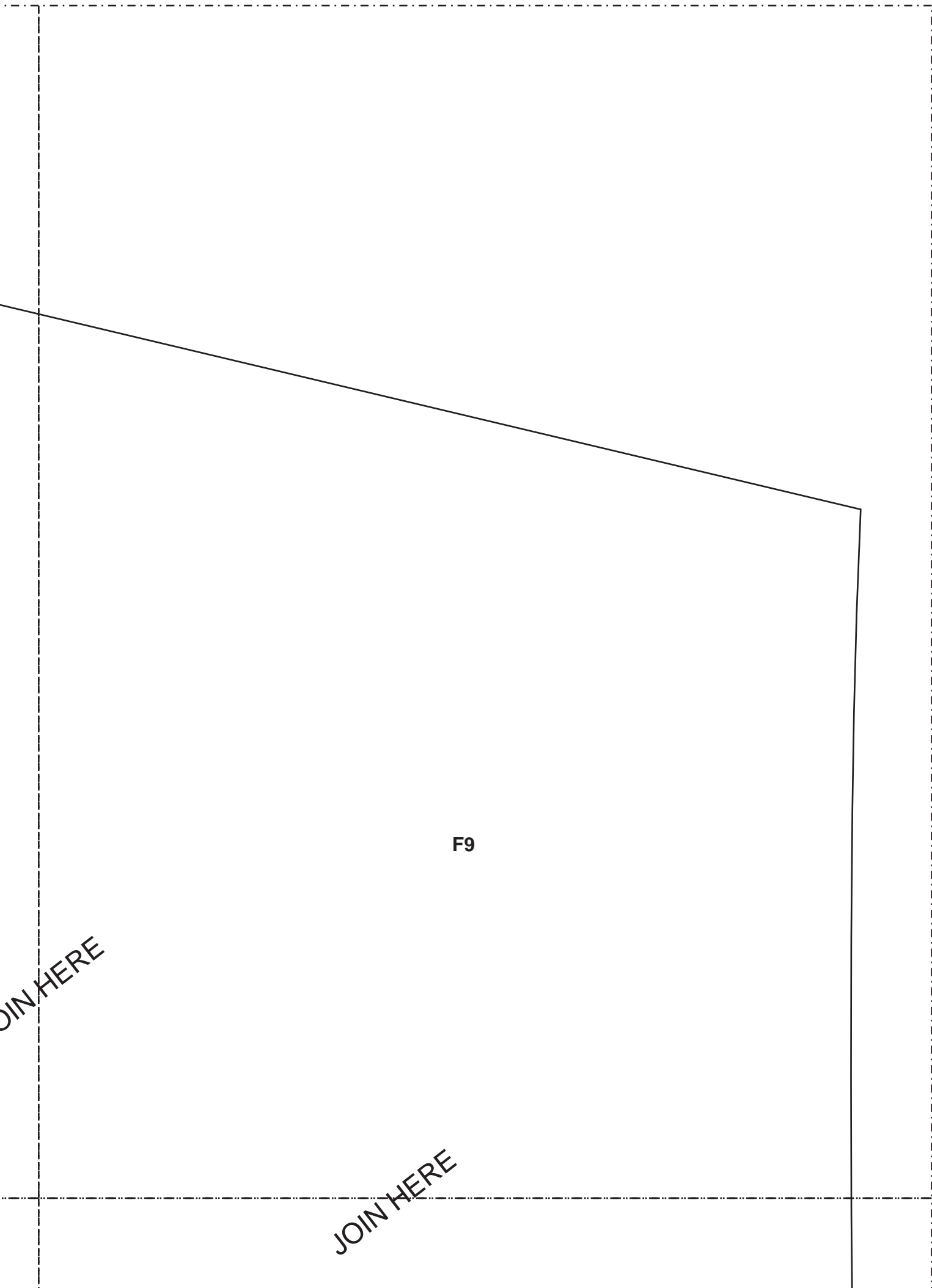


F9

FUSELAGE
POLYFOAM/
DEPRON 5MM

JOIN HERE

JOIN HERE



F9

JOIN HERE

JOIN HERE

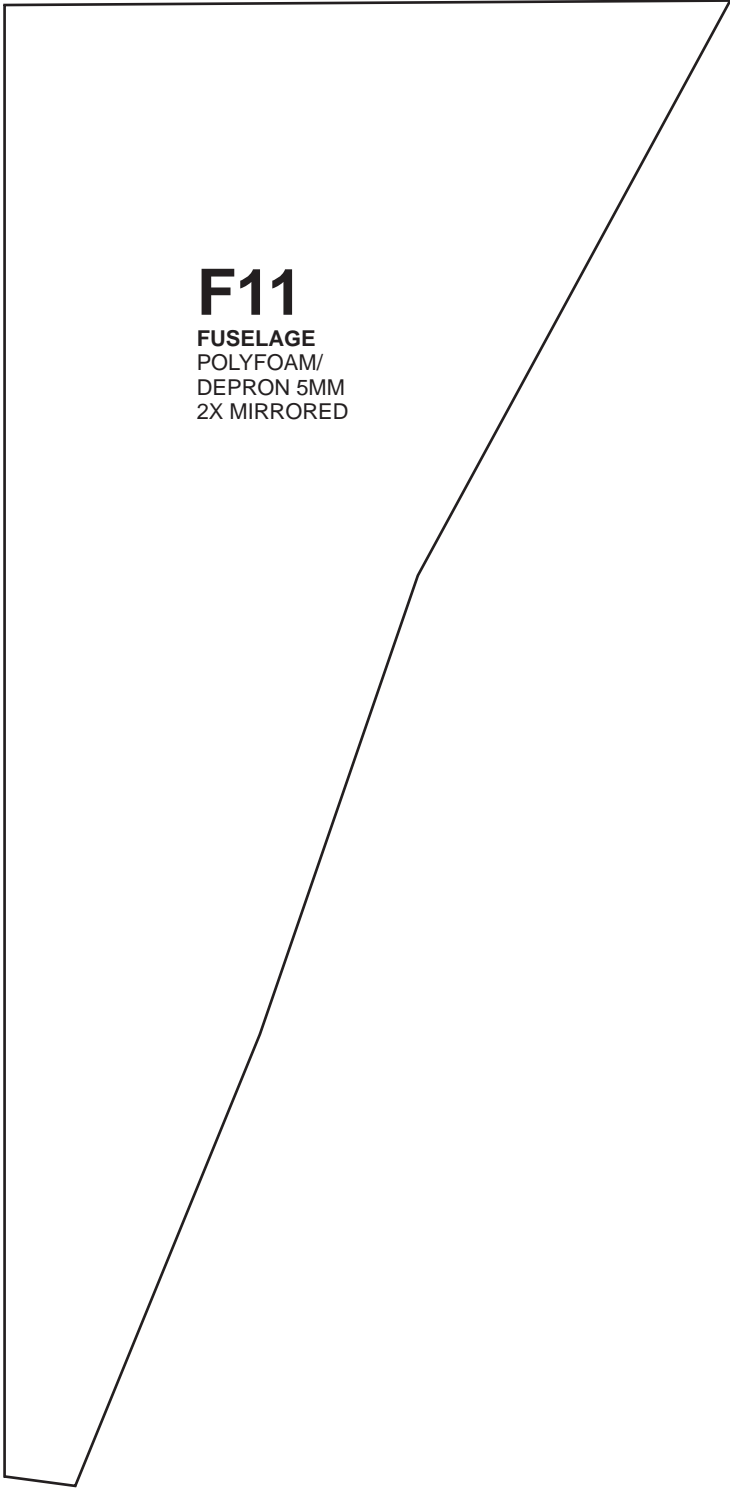
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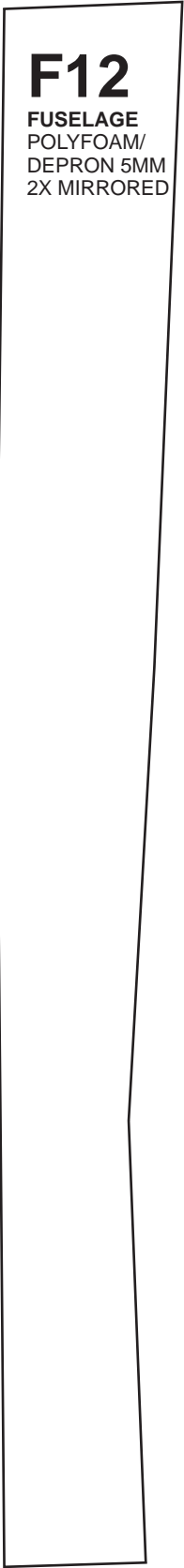
JOIN HERE

F10

FUSELAGE
POLYFOAM/
DEPRON 5MM



F11
FUSELAGE
POLYFOAM/
DEPRON 5MM
2X MIRRORED



F12
FUSELAGE
POLYFOAM/
DEPRON 5MM
2X MIRRORED



F13

FUSELAGE
POLYFOAM/
DEPRON 5MM
2X MIRRORED

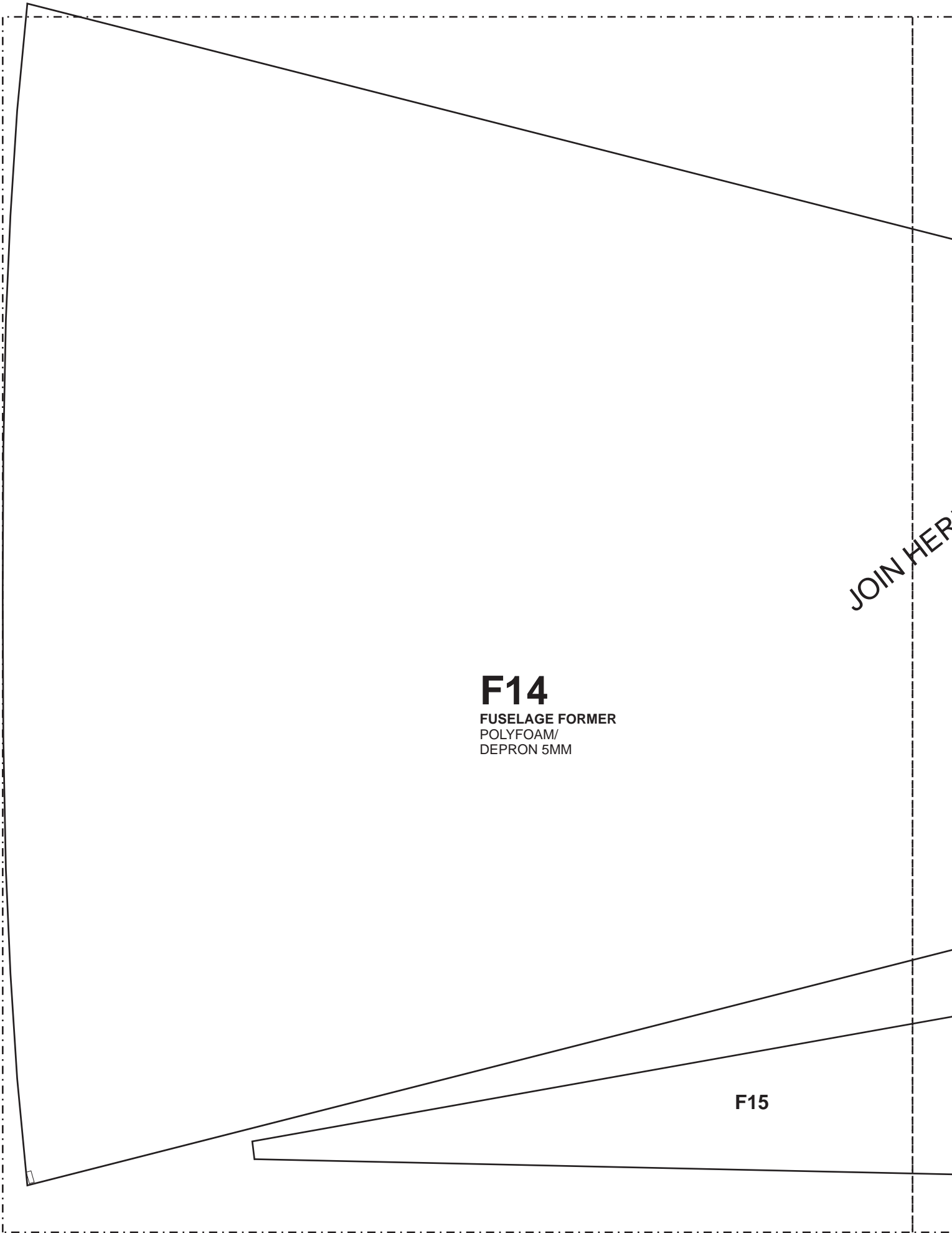
JOIN HERE

JOIN HERE

F13

F16

TAIL
POLYFOAM/
DEPRON 5MM
3X



JOIN HERE

F14

FUSELAGE FORMER
POLYFOAM/
DEPRON 5MM

F15

JOIN HERE

F14

F15

JOIN HERE

JOIN HERE



CENTER

F15

FUSELAGE
POLYFOAM/
DEPRON 5MM
2X MIRRORED

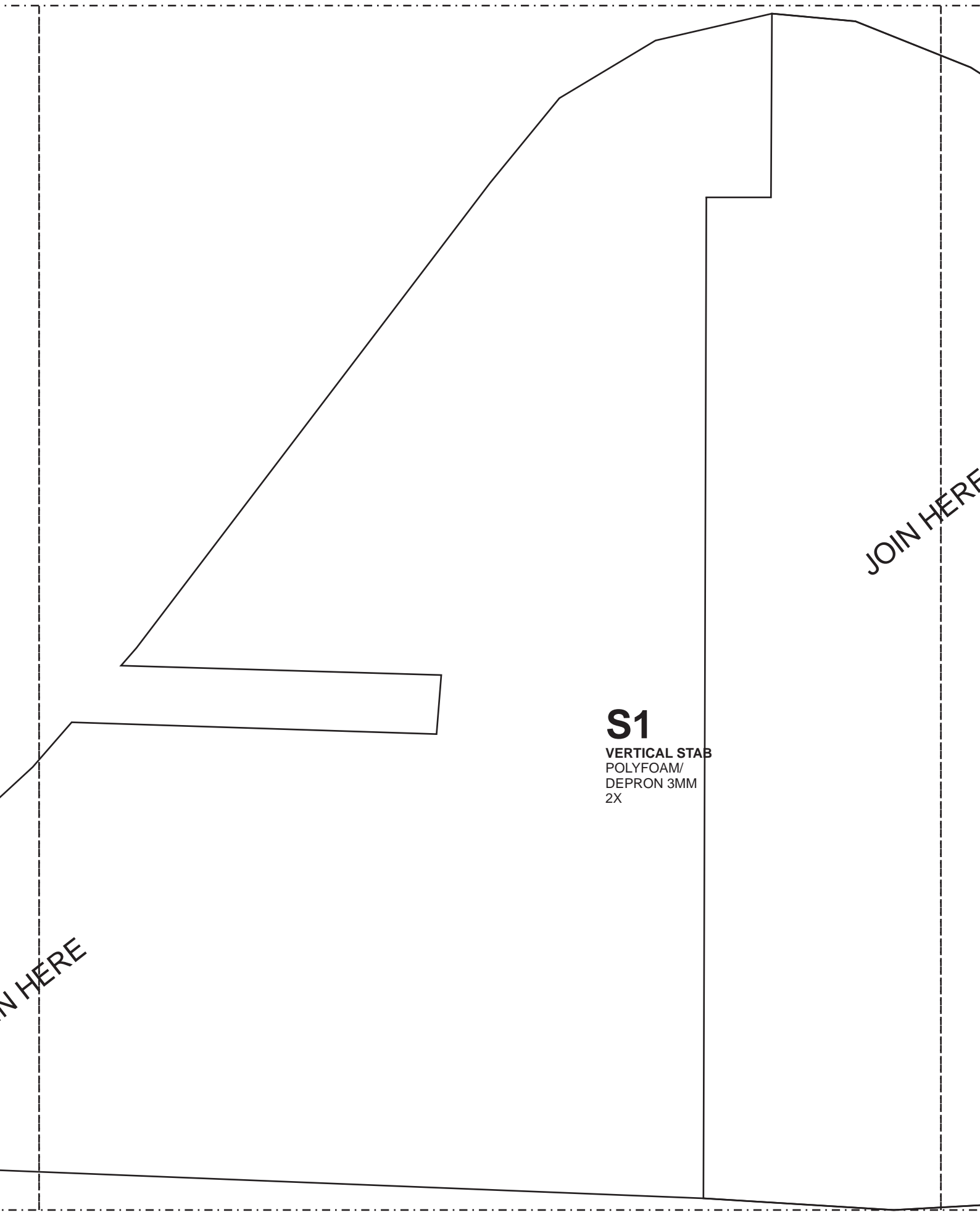


S2

VERTICAL STAB SPAR
PLYWOOD 3MM

S1

JOIN HERE



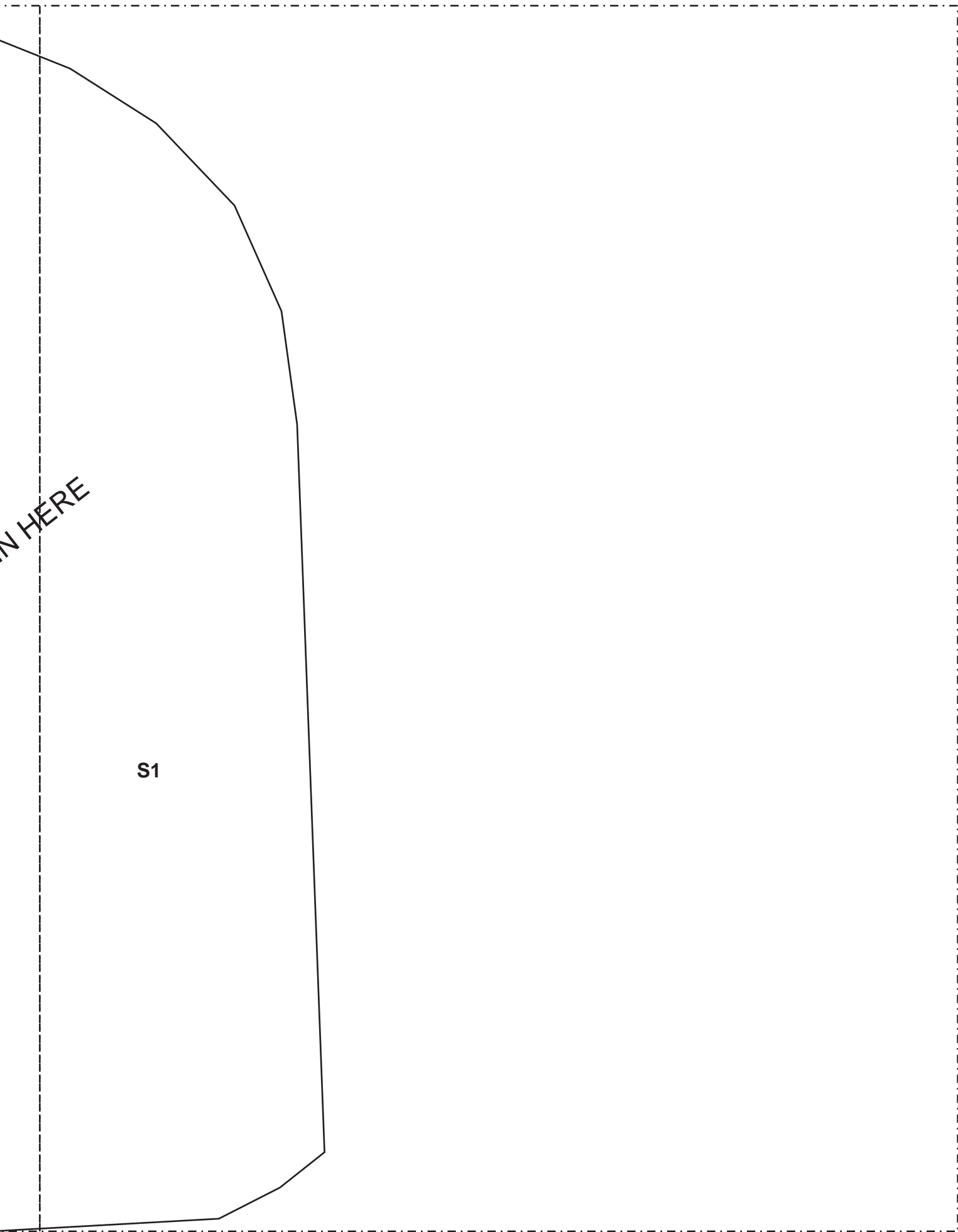
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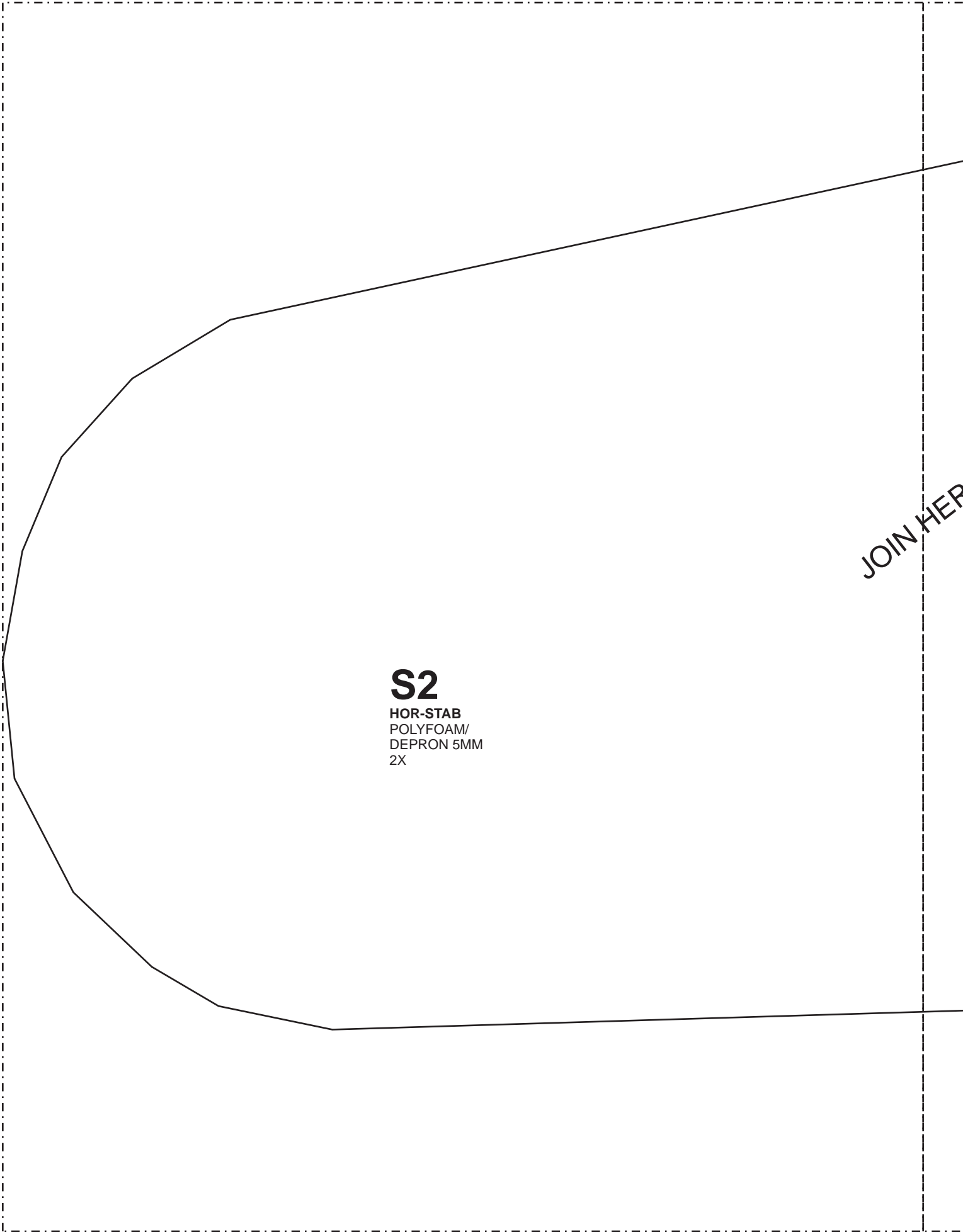
S1
VERTICAL STAB
POLYFOAM/
DEPRON 3MM
2X

JOIN HERE

IN HERE

S1

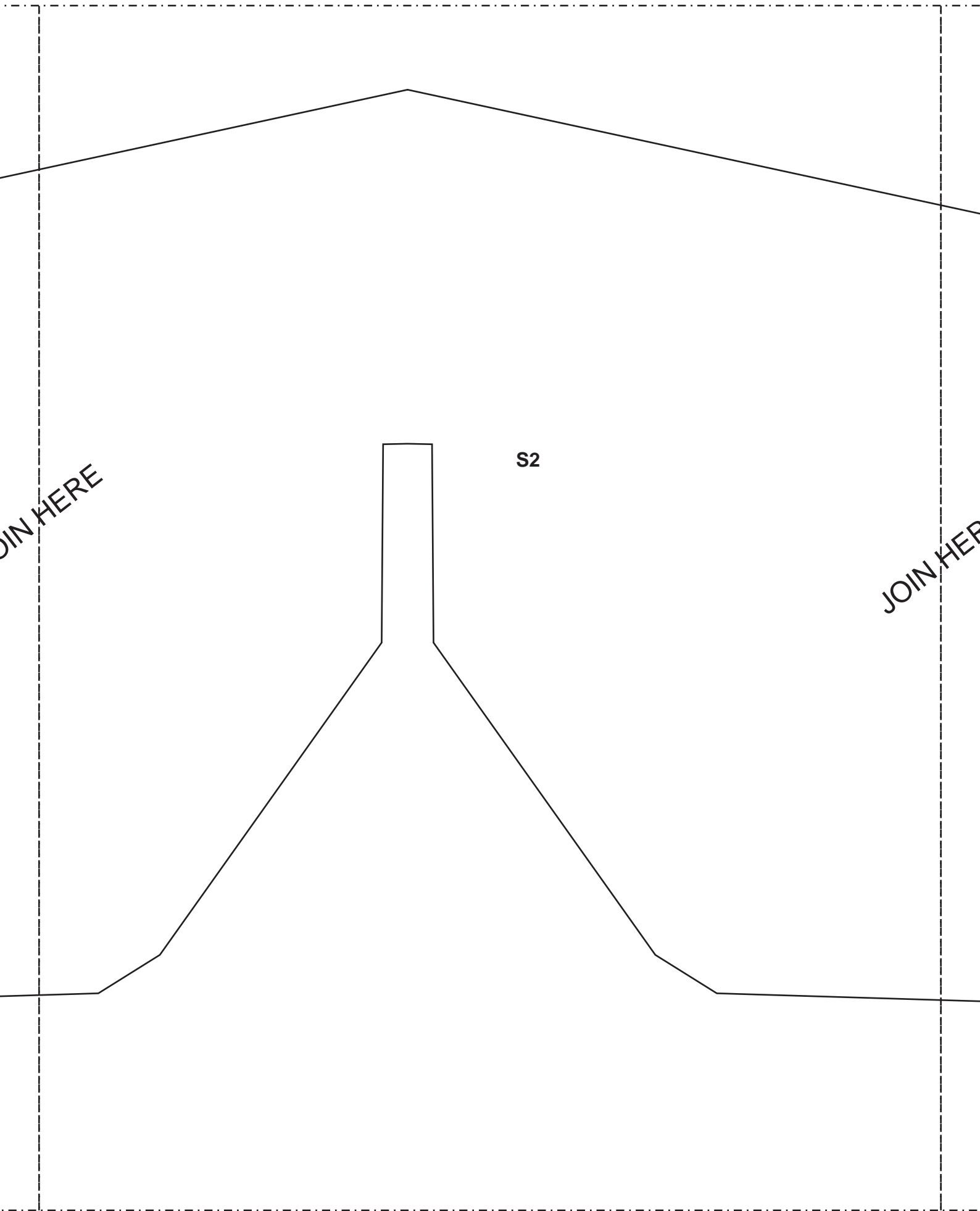




S2

HOR-STAB
POLYFOAM/
DEPRON 5MM
2X

JOIN HERE



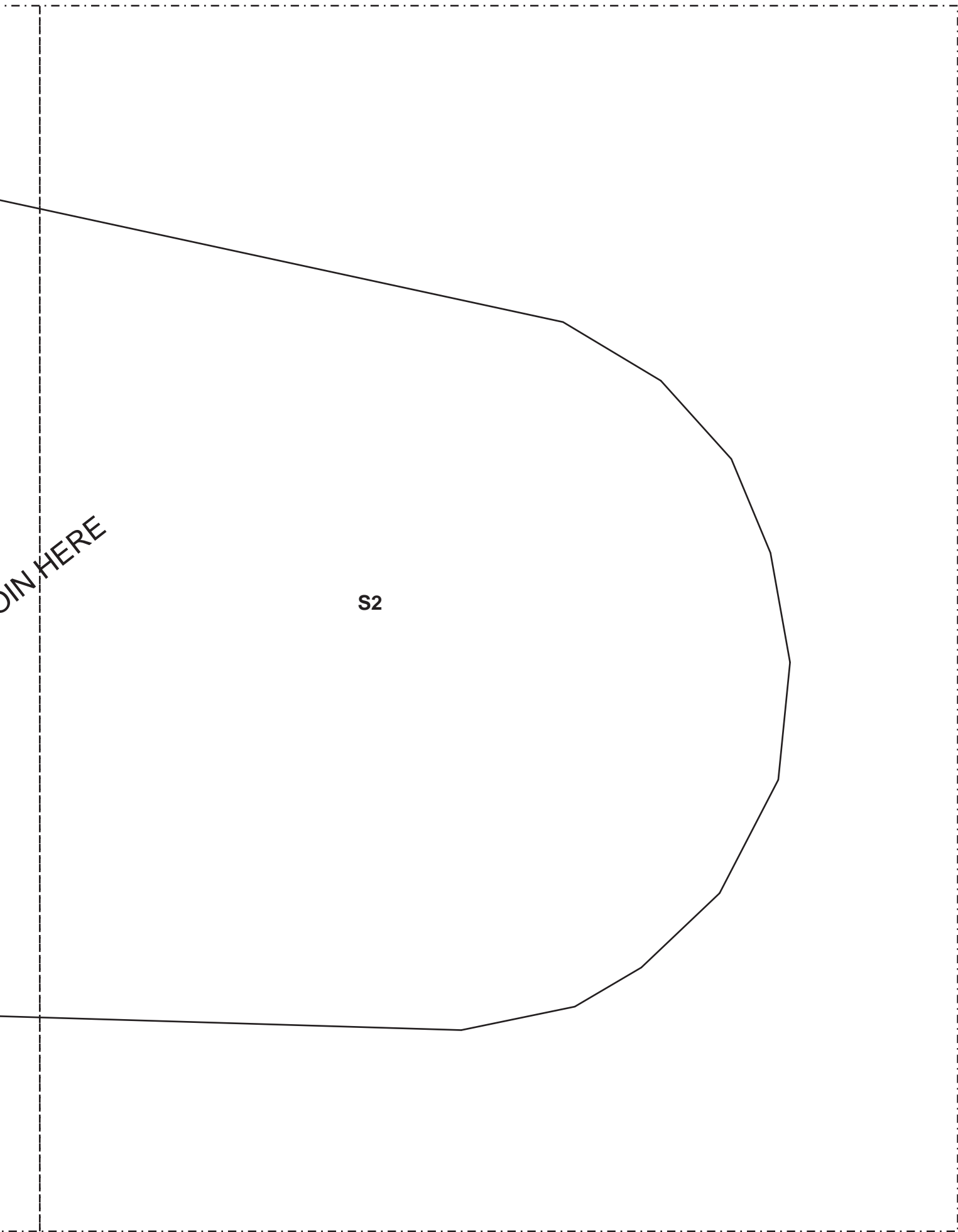
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S2

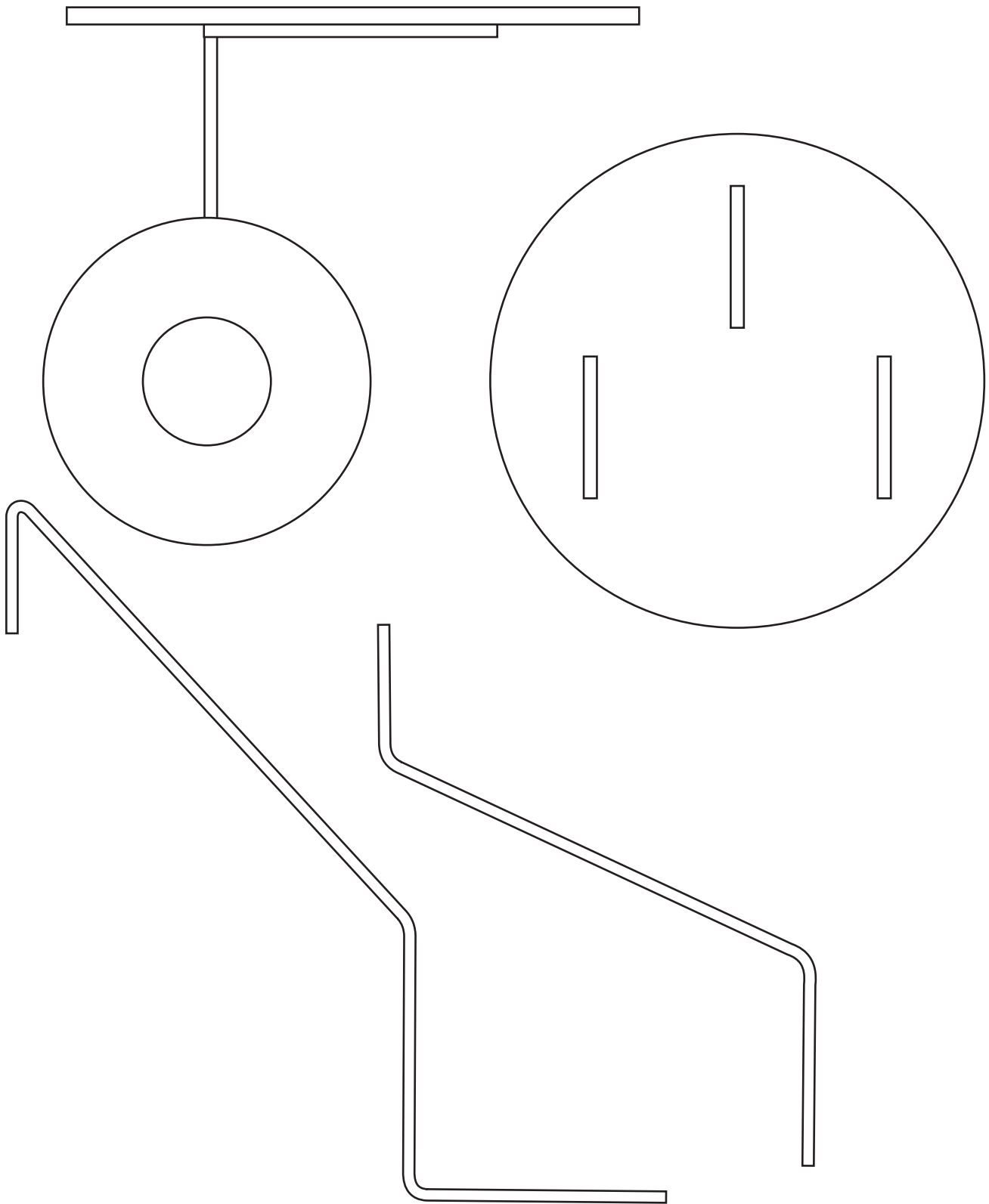
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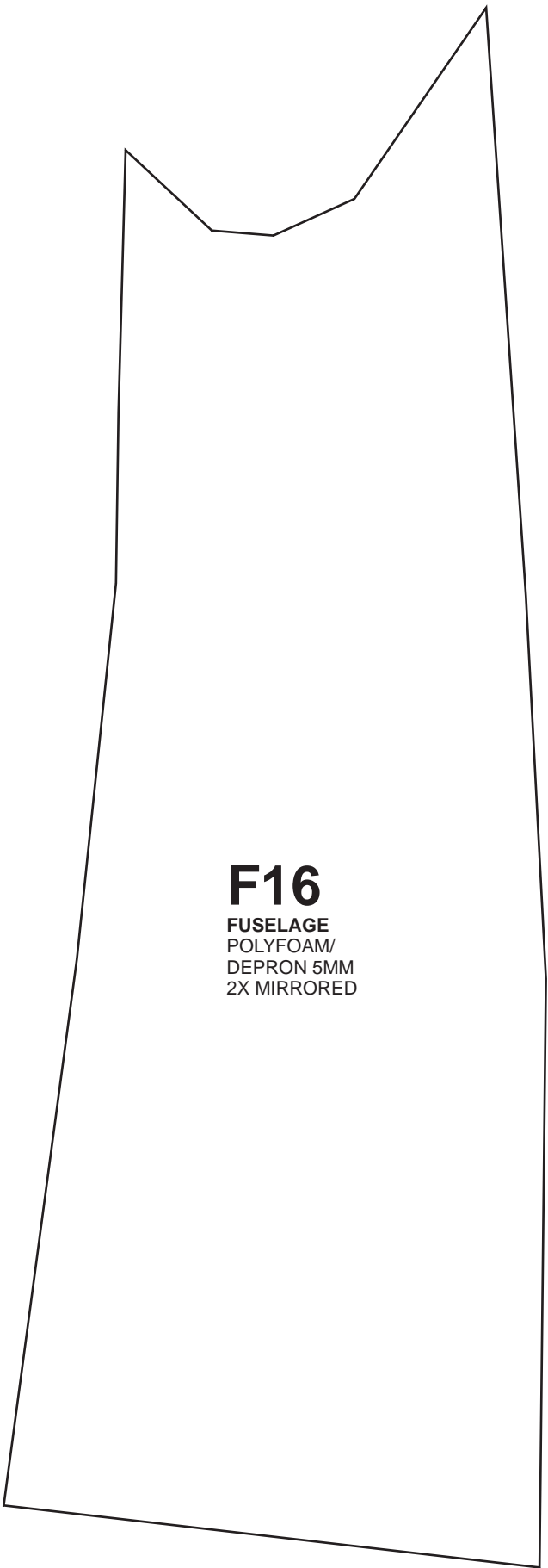
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S2

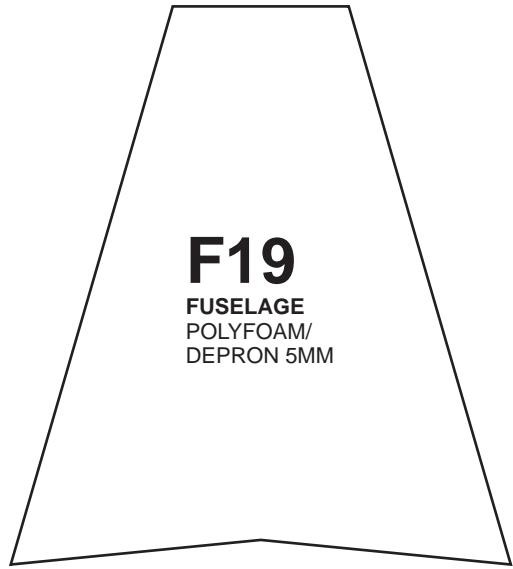


LANDING GEAR

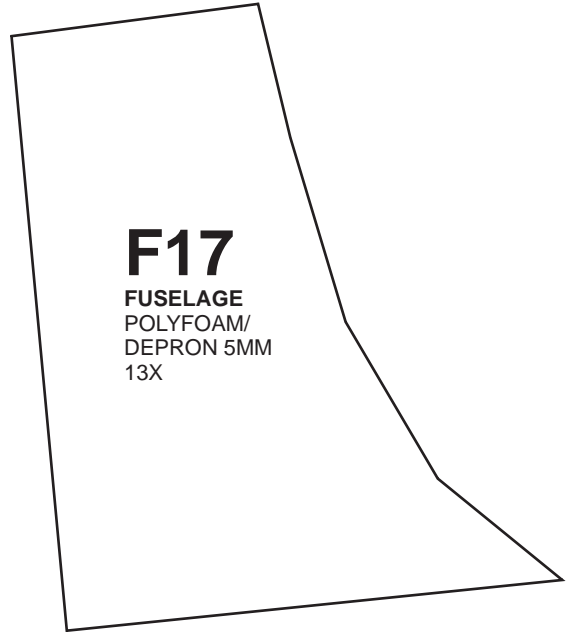




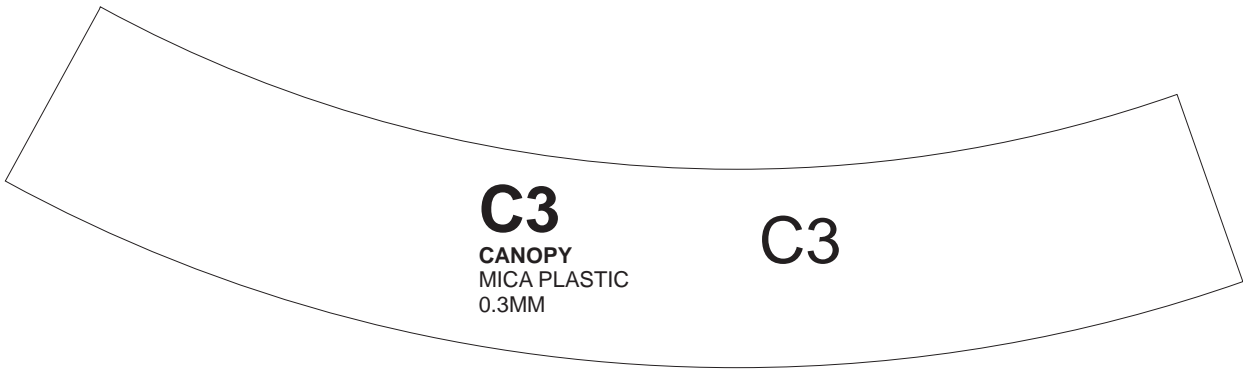
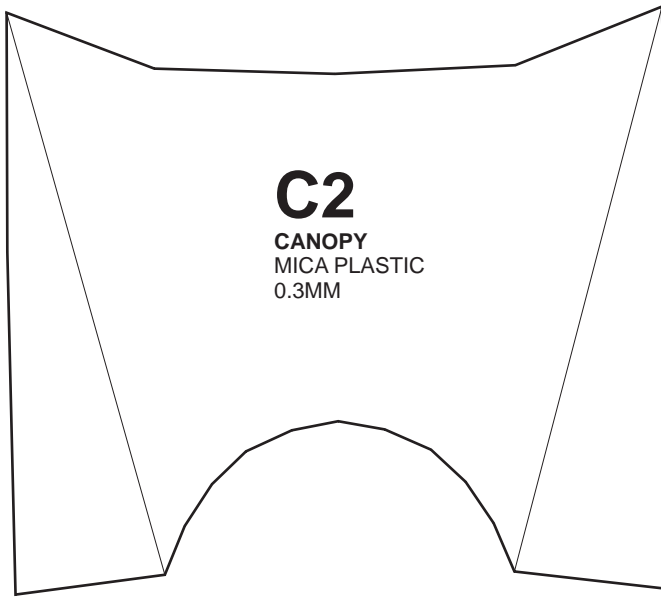
F16
FUSELAGE
POLYFOAM/
DEPRON 5MM
2X MIRRORED



F19
FUSELAGE
POLYFOAM/
DEPRON 5MM



F17
FUSELAGE
POLYFOAM/
DEPRON 5MM
13X

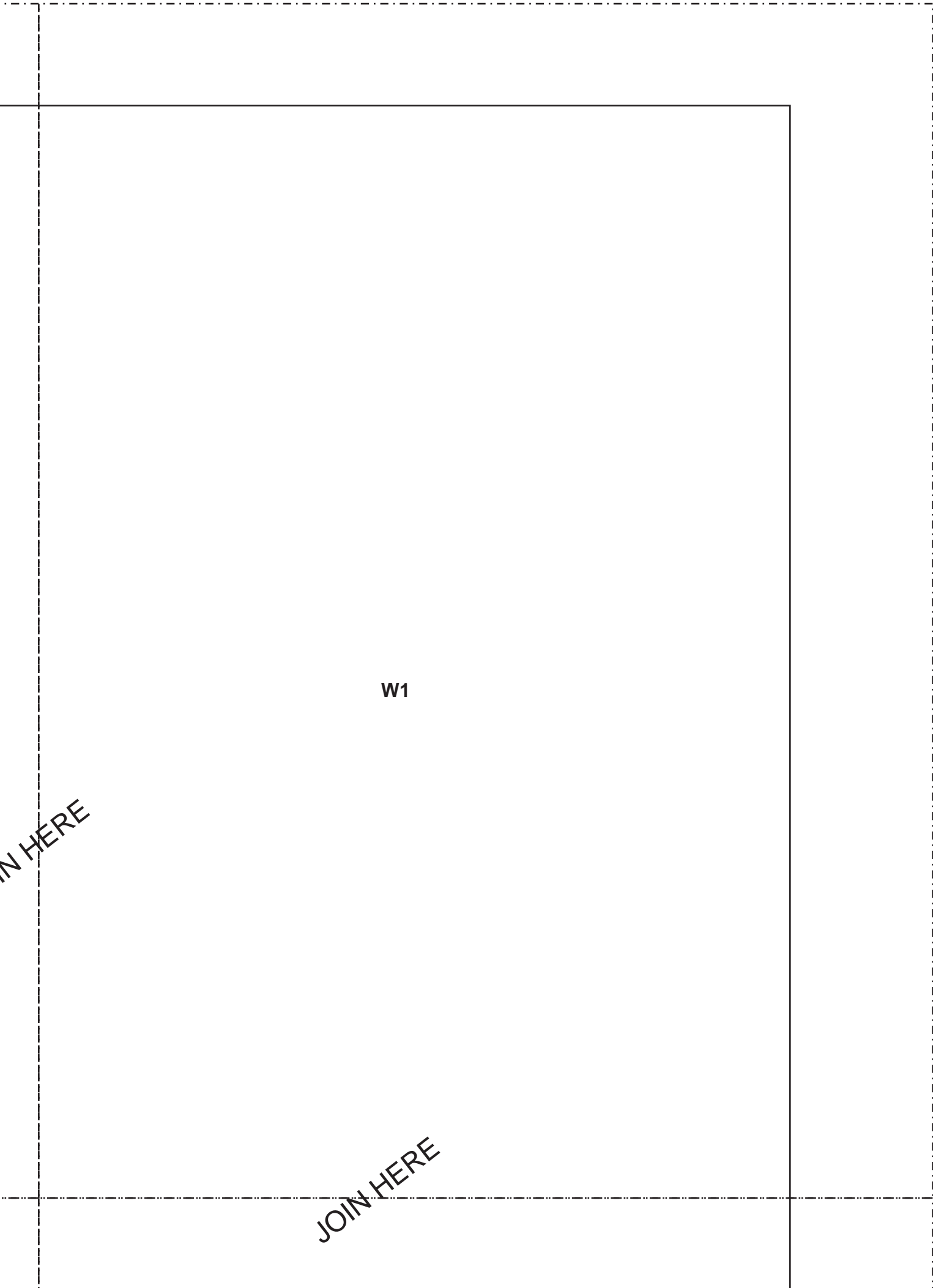


W1

WING BASE
POLYFOAM/
DEPRON 5MM
MIRRORED

JOIN HERE

JOIN HERE



W1

JOIN HERE

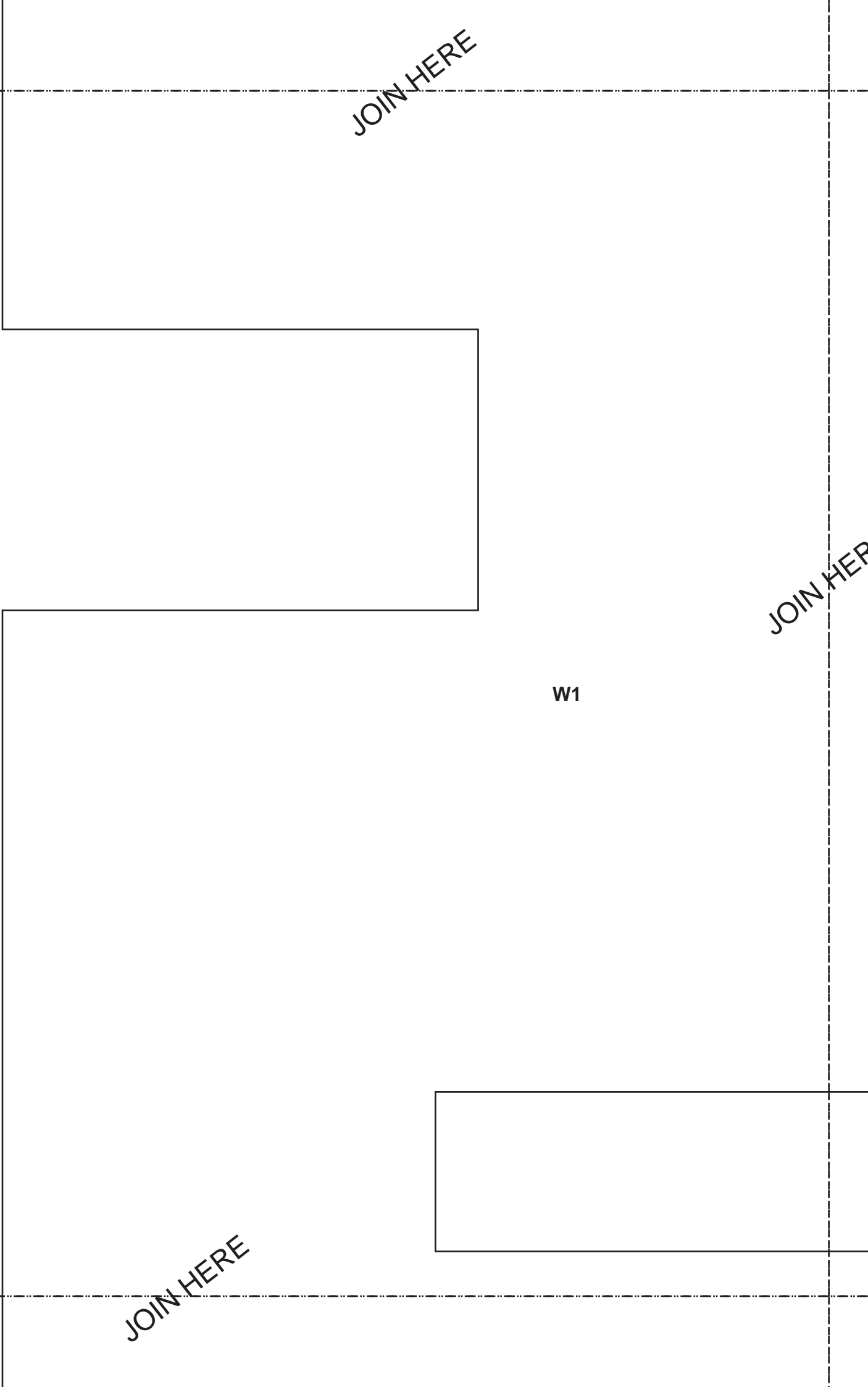
JOIN HERE

JOIN HERE

JOIN HER

W1

JOIN HERE

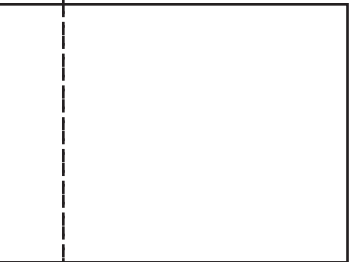


JOIN HERE

JOIN HERE

W1

JOIN HERE



JOIN HERE

W1

JOIN HERE

JOIN HERE

JOIN HERE

W1

HERE

JOIN HERE

JOIN HERE

JOIN HER

W1

JOIN HERE

JOIN HERE

W1

W2

TOP WING
POLYFOAM/
DEPRON 5MM

JOIN HERE

JOIN HERE

JOIN HERE

W2

JOIN HERE

JOIN HERE

W2

JOIN HERE

JOIN HERE

JOIN HERE

JOIN HERE

W2

JOIN HERE

JOIN HERE

JOIN HERE

W2

JOIN HERE

JOIN HERE

JOIN HERE

W2

JOIN HERE

JOIN HERE

W2

JOIN HERE

JOIN HERE

JOIN HERE

W2



C9

CANOPY
MICA PLASTIC
0.3MM
2X MIRRORED



C8

CANOPY
MICA PLASTIC
0.3MM
2X MIRRORED



C7

CANOPY
MICA PLASTIC
0.3MM
2X MIRRORED



C10

CANOPY
MICA PLASTIC
0.3MM
2X MIRRORED

M7

ENGINE COWL
POLYFOAM/
DEPRON 5MM
2X

M4

ENGINE COWL
POLYFOAM/
DEPRON 5MM
2X

JOIN HERE

JOIN HERE

M4

M7

M8

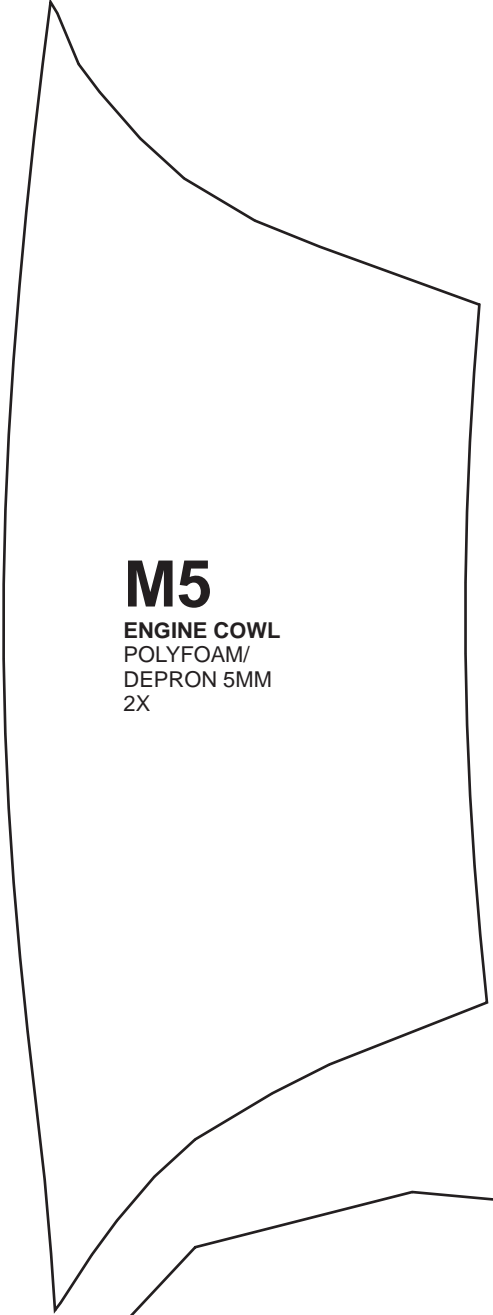
ENGINE COWL
POLYFOAM/
DEPRON 5MM
2X

M10

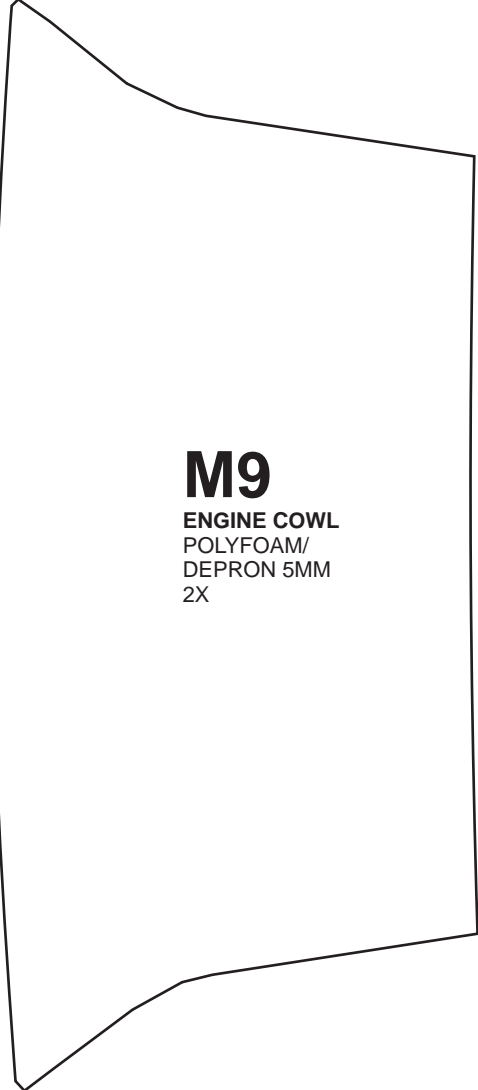
ENGINE COWL
POLYFOAM/
DEPRON 5MM
2X

M6

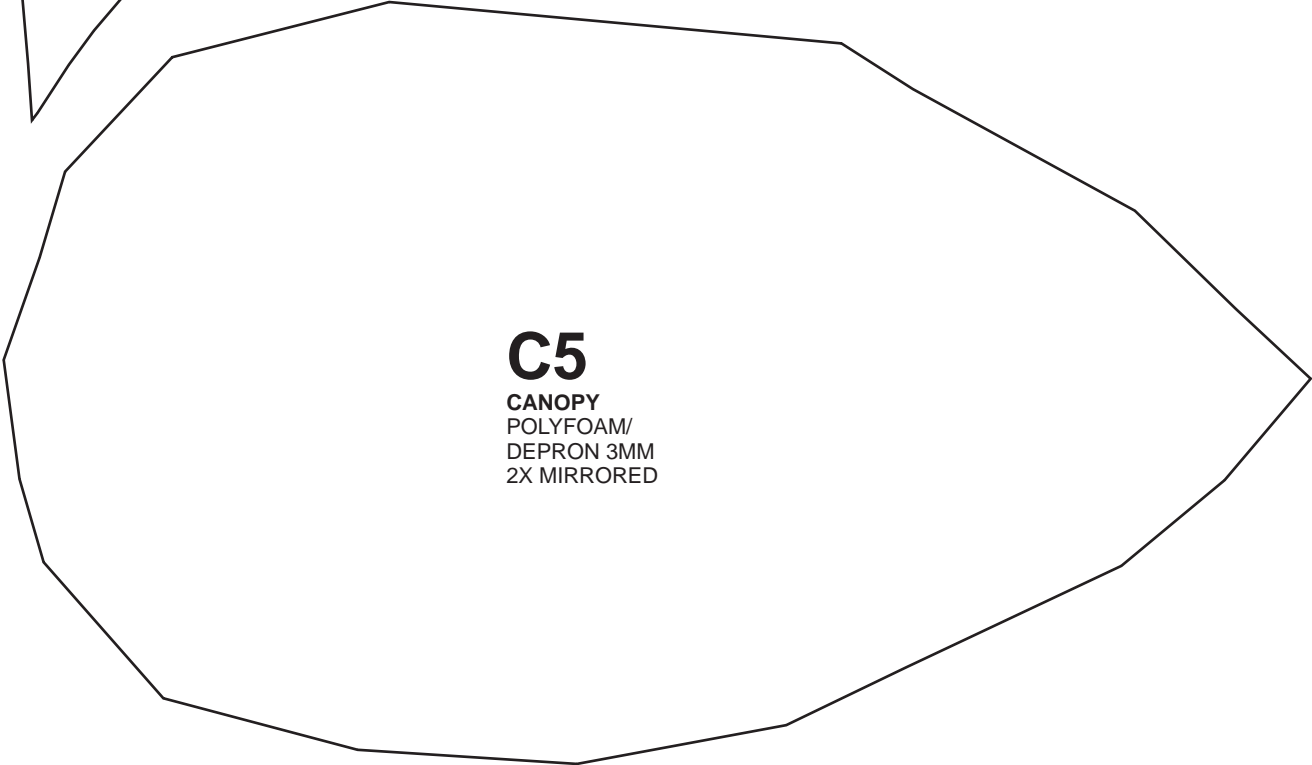
ENGINE COWL
POLYFOAM/
DEPRON 5MM
2X



M5
ENGINE COWL
POLYFOAM/
DEPRON 5MM
2X



M9
ENGINE COWL
POLYFOAM/
DEPRON 5MM
2X



C5
CANOPY
POLYFOAM/
DEPRON 3MM
2X MIRRORED

W3

WING BASE
POLYFOAM/
DEPRON 5MM
2X MIRRORED

JOIN HERE

JOIN HERE

HERE

W3

JOIN HERE

JOIN HERE

W4

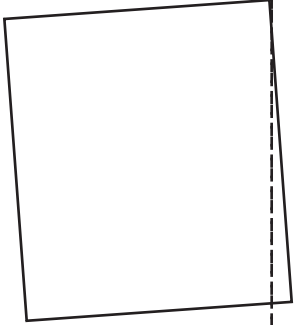
WING SPAR
POLYFOAM/
DEPRON 5MM
2X MIRRORED

JOIN HERE

JOIN HERE

JOIN HERE

W3



JOIN HERE

JOIN HERE

JOIN HERE

JOIN HERE

W3

W4

JOIN HERE

JOIN HERE

JOIN HERE

W3

JOIN HERE

JOIN HERE

W3

W4

JOIN HERE

W5

WING TOP
POLYFOAM/
DEPRON 5MM
2X MIRRORED

JOIN HERE

JOIN HERE

W5

JOIN HERE

JOIN HERE

W5

JOIN HERE

JOIN HERE

JOIN HERE

JOIN HERE

W5

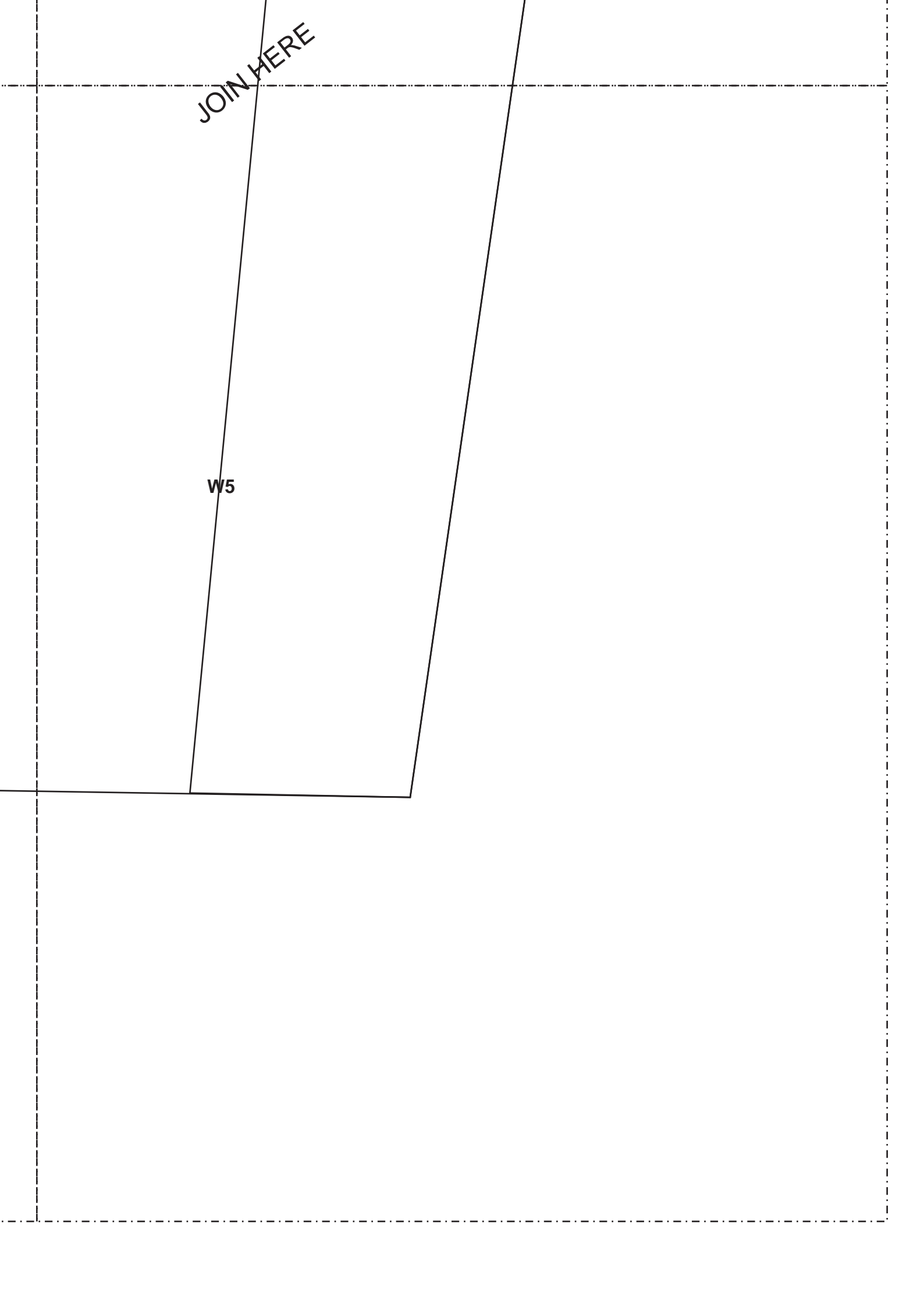
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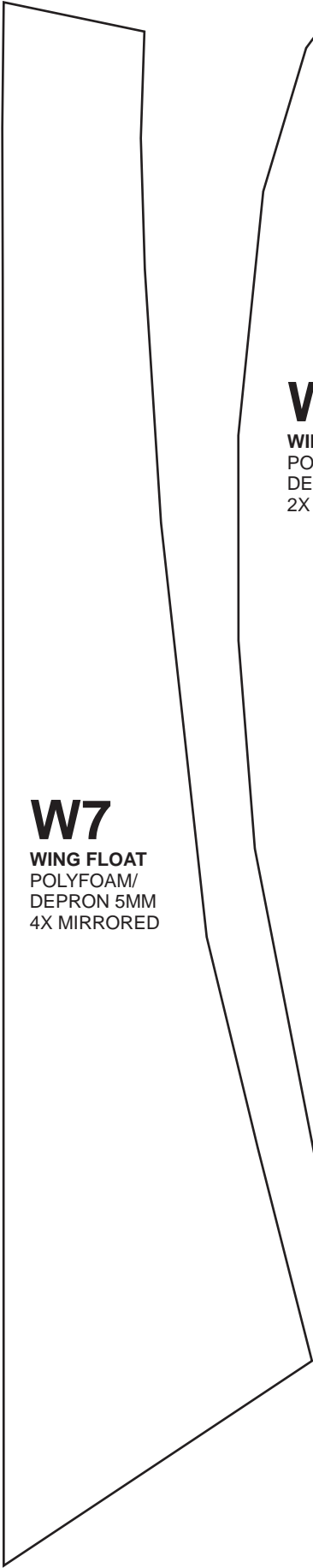
JOIN HERE

W5

JOIN HERE

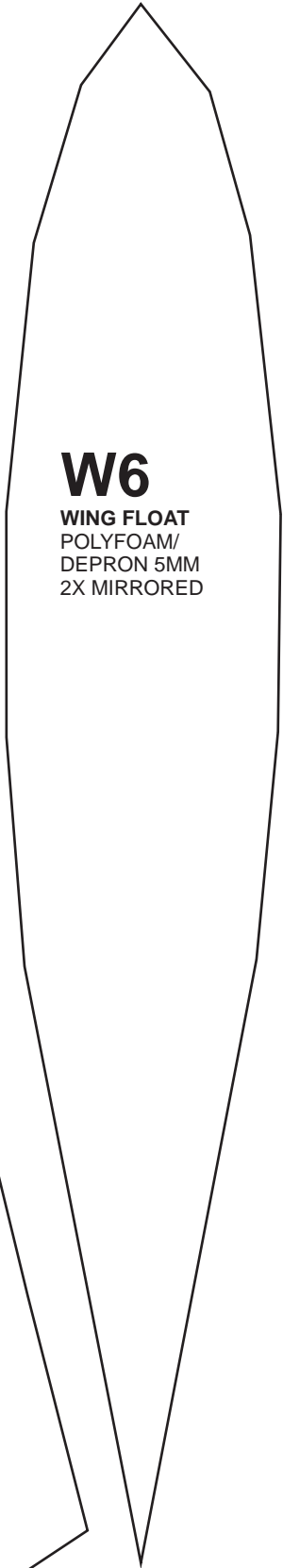
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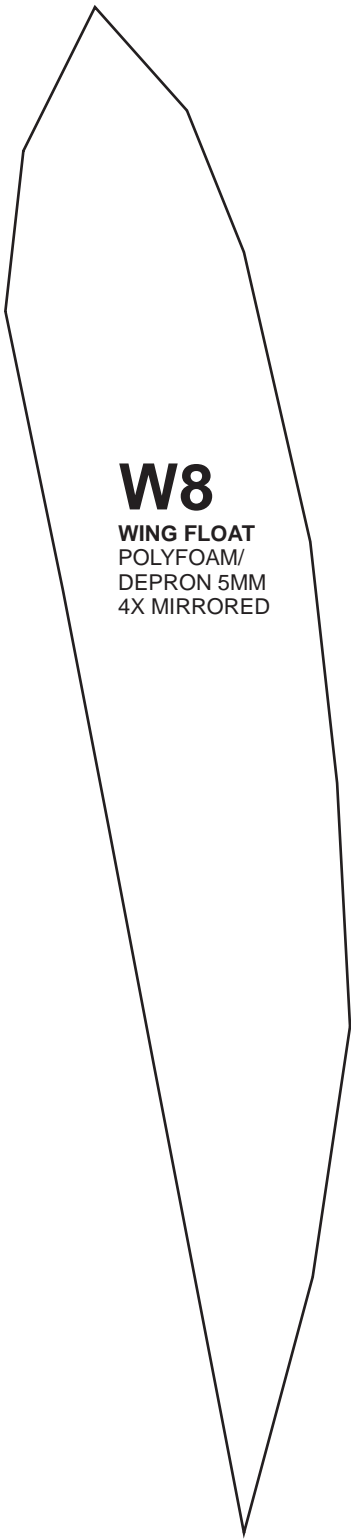
W7

WING FLOAT
POLYFOAM/
DEPRON 5MM
4X MIRRORED



W6

WING FLOAT
POLYFOAM/
DEPRON 5MM
2X MIRRORED



W8

WING FLOAT
POLYFOAM/
DEPRON 5MM
4X MIRRORED

W9

**WING FLOAT
CUTTING
GUIDE**

