



Model : 30/2021



MQ-9 REAPER UAV

2500mm

Specs :

1. Wingspan 2500 mm / 98.4 inches
2. Flying weight : 1800 grams/ 63.5 oz
3. Wing loading : 33.7 gram/dm² - 11 oz/sq.ft.
4. Wing cube loading : 4.6
5. Wing Area : 53.46 dm² / 829 sq.in.
6. CG : 8 cm / 3.14 inch from LE (leading edge on root chord)

Electronics

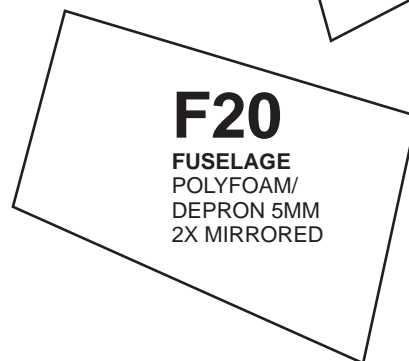
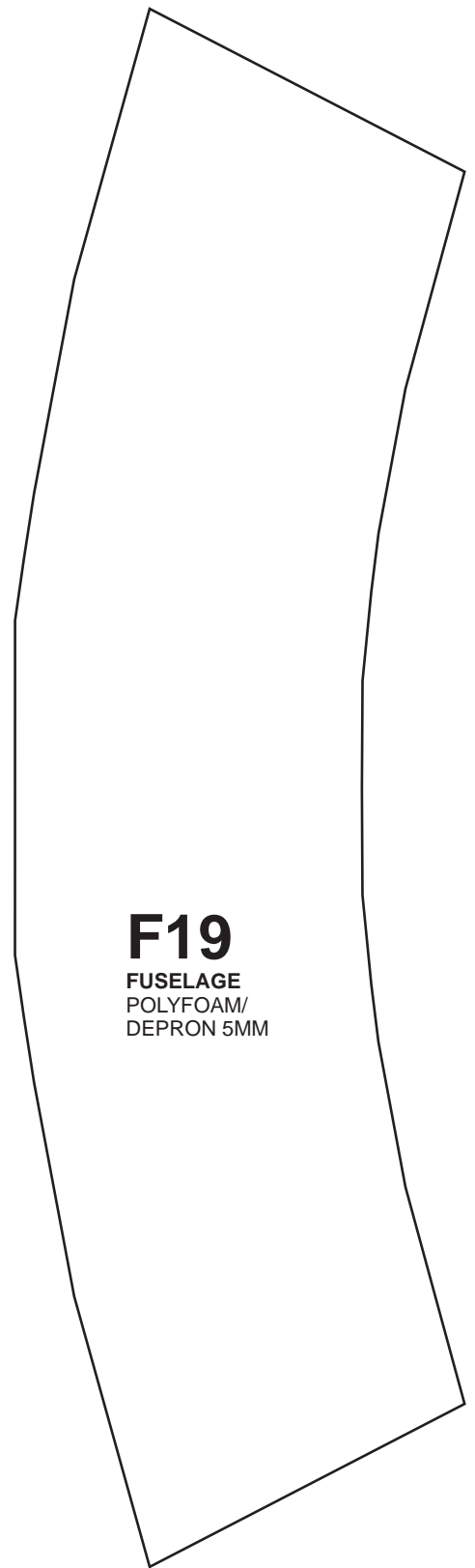
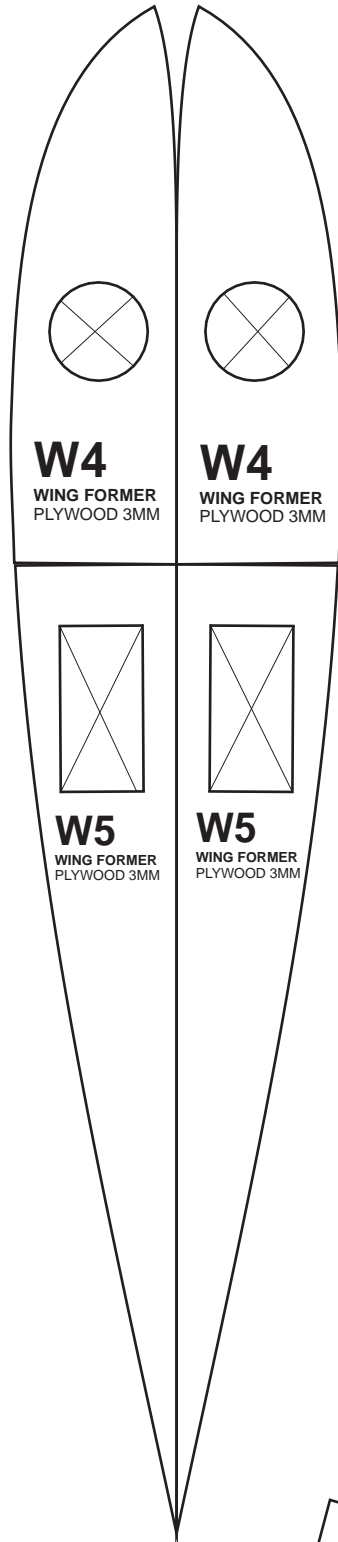
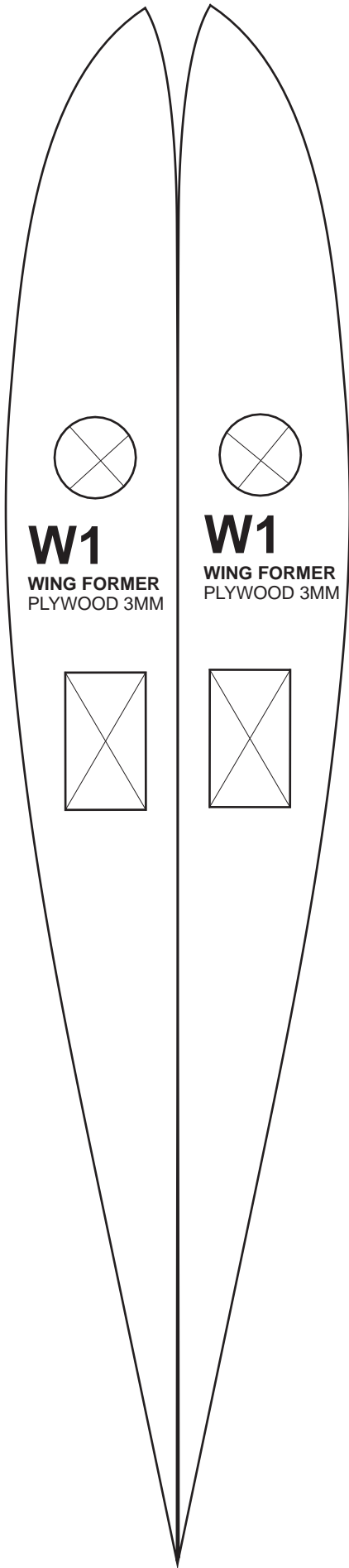
- DXW 3536 1200kv
- 50A ESC
- Battery Lipo 3S 2200mah
- 3 x 9 gram servos (micro servo)
- 1 X standard servo
- 50mm, 60mm foam wheels

Materials :

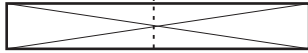
1. 5mm + 3mm Foamboard/ Depron/ Polyfoam
2. 3mm + 9mm Plywood
3. 0.1mm Mica Plastic
4. hot glue, UHU glue, CA glue
5. laminating film

Build Instructions :

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



PYLON

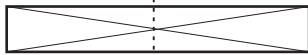


JOIN HERE

W2

WING
POLYFOAM/
DEPRON 5MM
2X MIRRORED

CG



FRONT



W HERE

PYLON

W2

JOIN HER

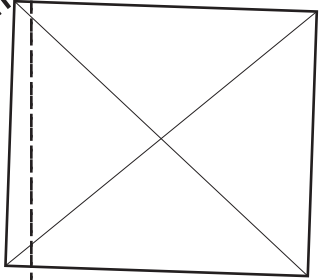
JOIN HERE

W2

JOIN HERE



JOIN HERE



W2

JOIN HERE

JOIN HERE

JOIN HERE

W2

F21
FUSELAGE
POLYFOAM/
DEPRON 5MM

HERE

W2

F22

FUSELAGE
POLYFOAM/
DEPRON 3MM

JOIN HERE

JOIN HER



FRONT

W8

WING
POLYFOAM/
DEPRON 5MM
2X MIRRORED

JOIN HER

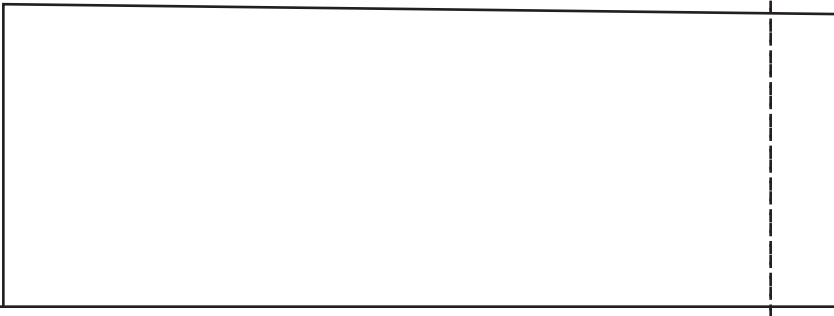
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JOIN HERE

W8



JOIN HERE

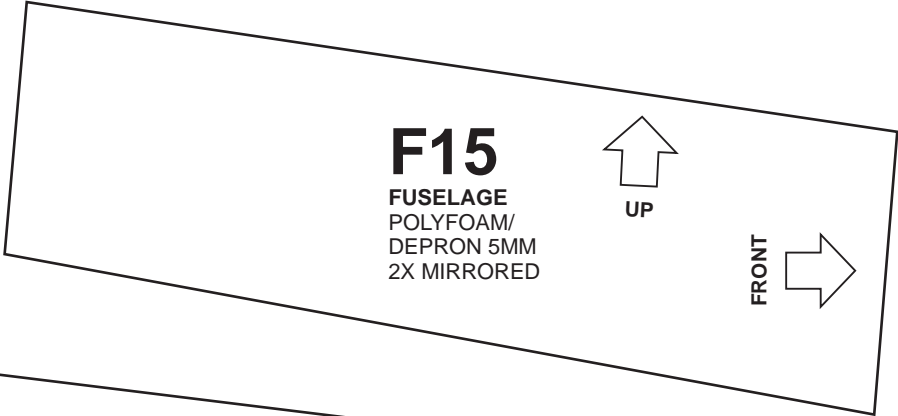
W8

JOIN HERE

JOIN HERE

JOIN HERE

W8



F15

FUSELAGE
POLYFOAM/
DEPRON 5MM
2X MIRRORED



UP

FRONT



JOIN HERE

W8

JOIN HERE

JOIN HERE

W8



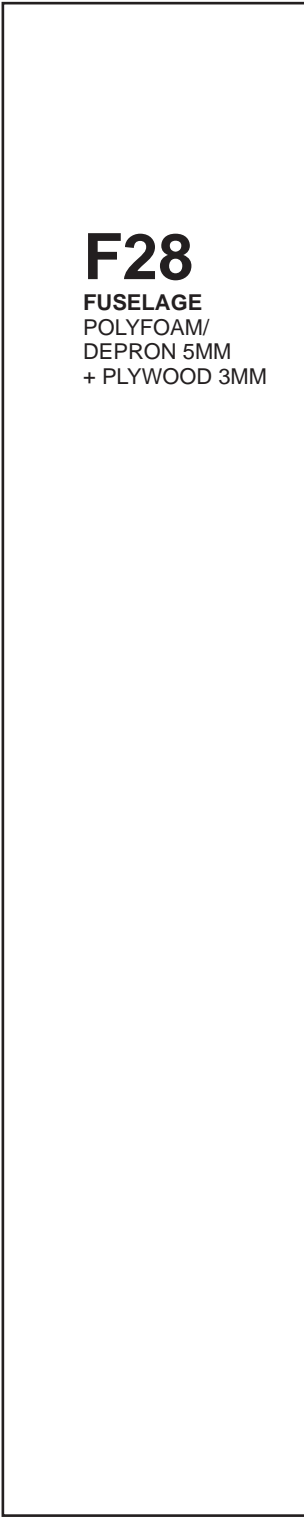
W6

WINGTIP
POLYFOAM/
DEPRON 3MM
2X MIRRORED



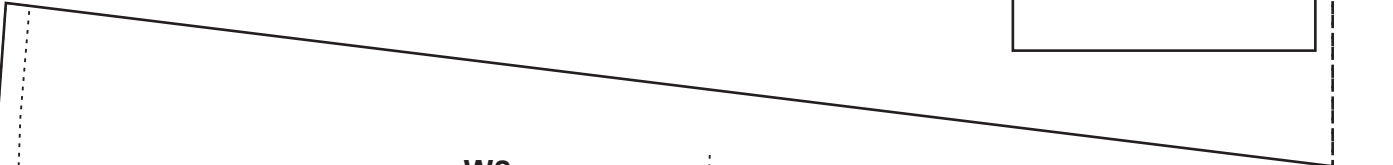
W7

WINGTIP
POLYFOAM/
DEPRON 3MM
2X MIRRORED



F28

FUSELAGE
POLYFOAM/
DEPRON 5MM
+ PLYWOOD 3MM

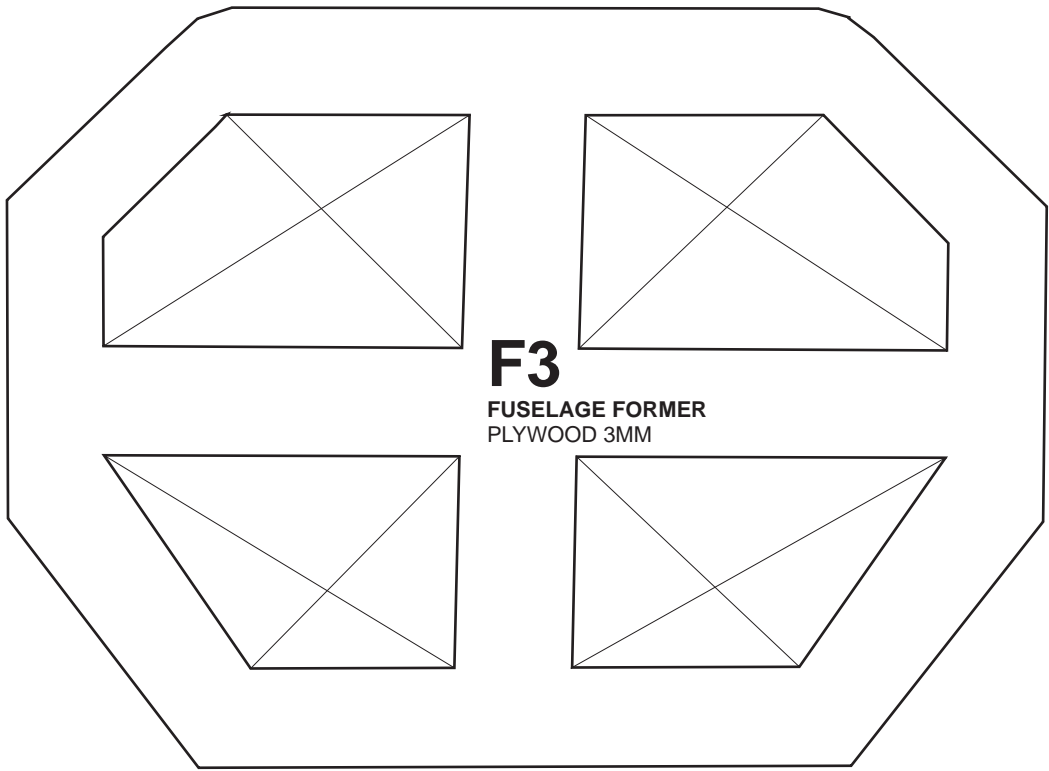


W8

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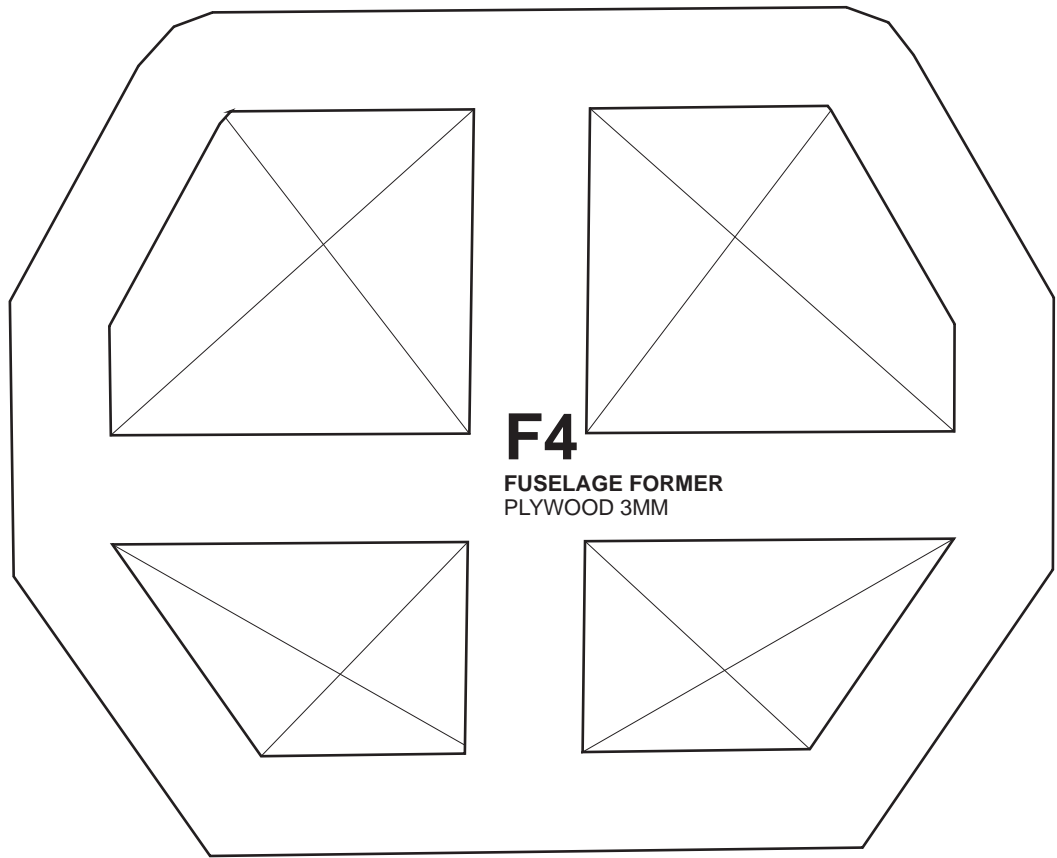


JOIN HERE



F3

FUSELAGE FORMER
PLYWOOD 3MM



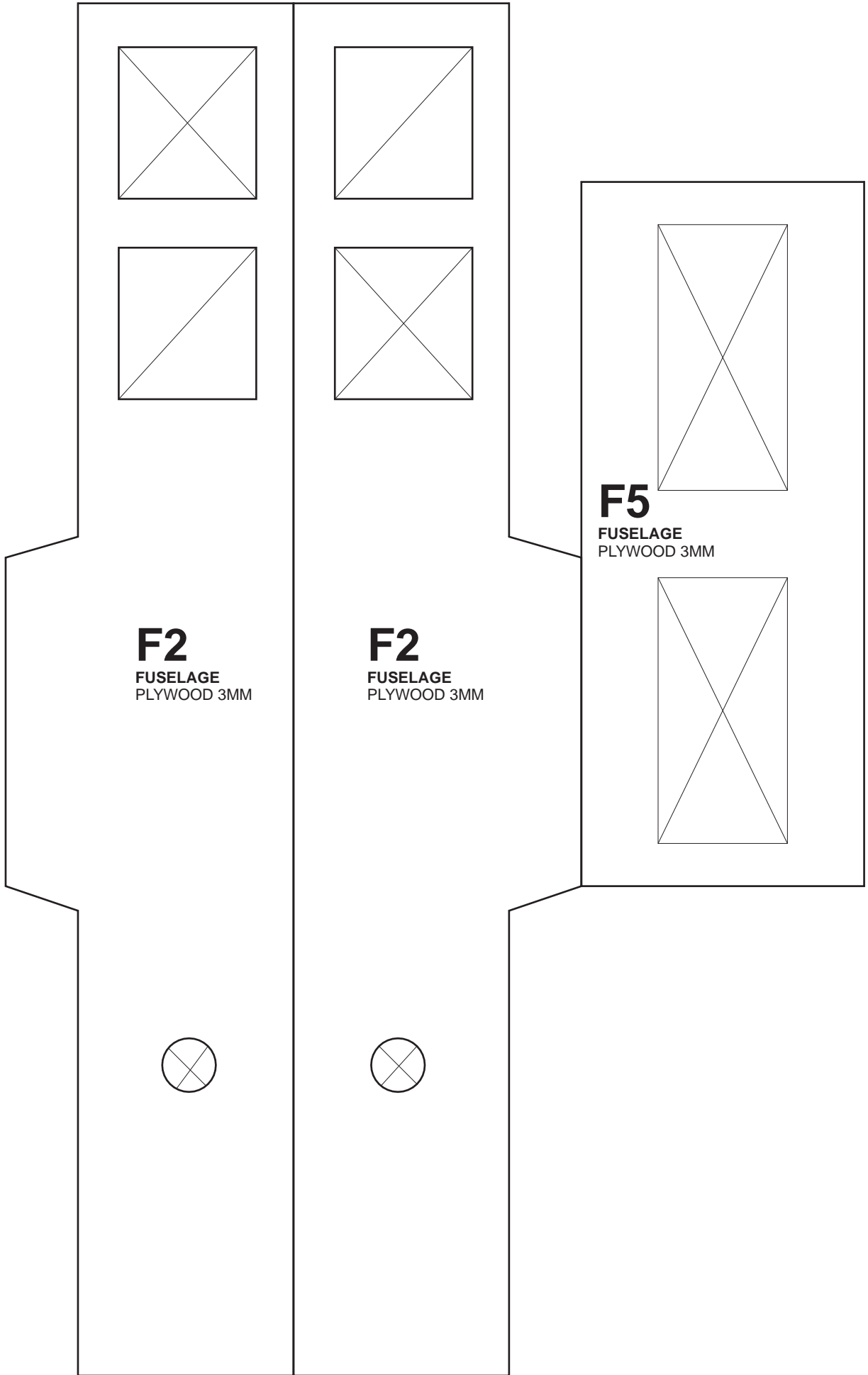
F4

FUSELAGE FORMER
PLYWOOD 3MM

JOIN HERE

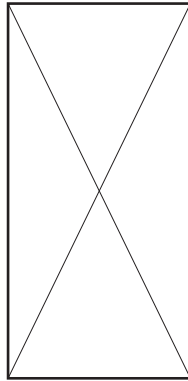
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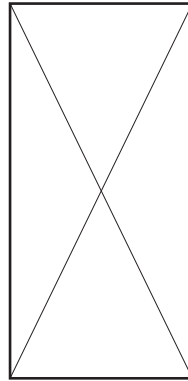
G2

LG BASE
PLYWOOD 3MM



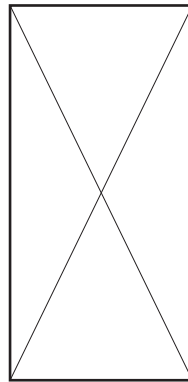
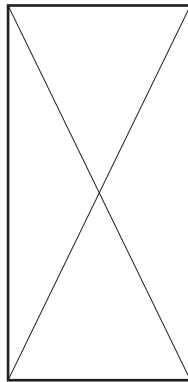
F5

FUSELAGE
PLYWOOD 3MM



F5

FUSELAGE
PLYWOOD 3MM

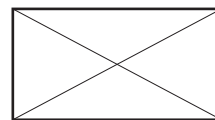


G1

LG BASE
PLYWOOD 3MM

F17

MOTOR MOUNT
PLYWOOD 3MM



F7

FUSELAGE
POLYFOAM/
DEPRON 5MM

F6

FUSELAGE
POLYFOAM/
DEPRON 5MM
2X MIRRORED

W3

WING SPAR
PLYWOOD 3MM
2X

JOIN HERE

JOIN HERE

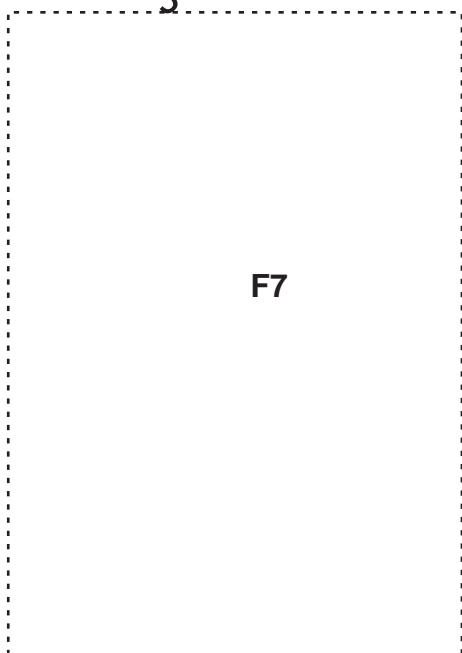
F7

F6

W3

JOIN HERE

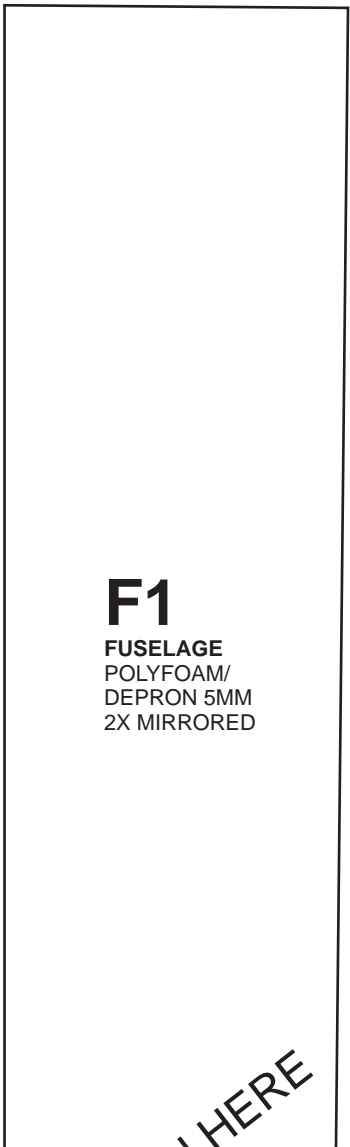
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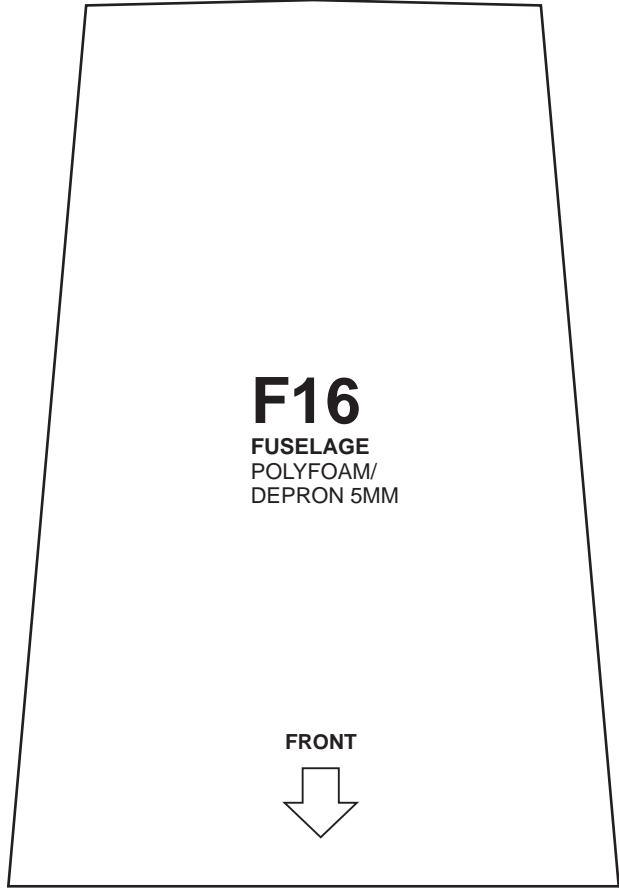
F7

F6

FRONT



F1
FUSELAGE
POLYFOAM/
DEPRON 5MM
2X MIRRORED



F16
FUSELAGE
POLYFOAM/
DEPRON 5MM

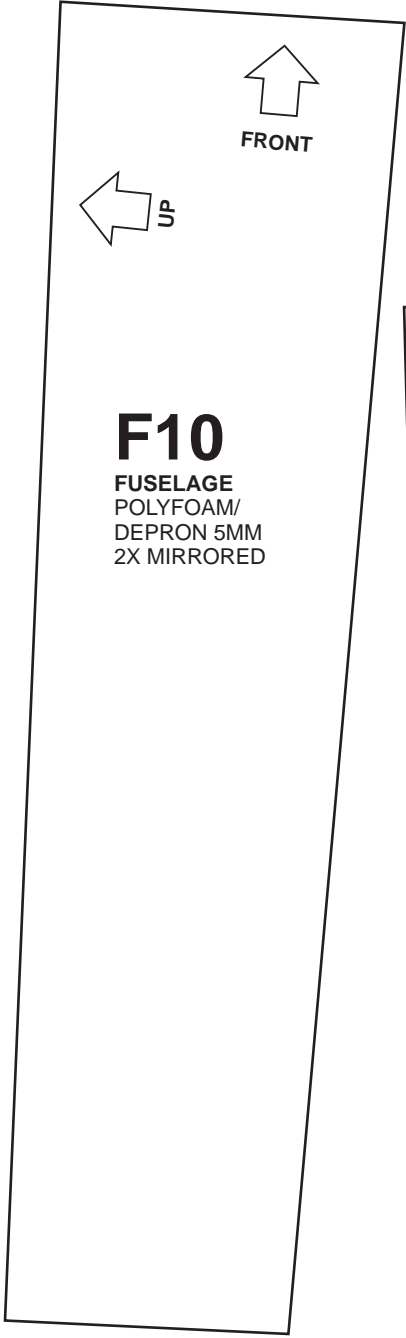
FRONT



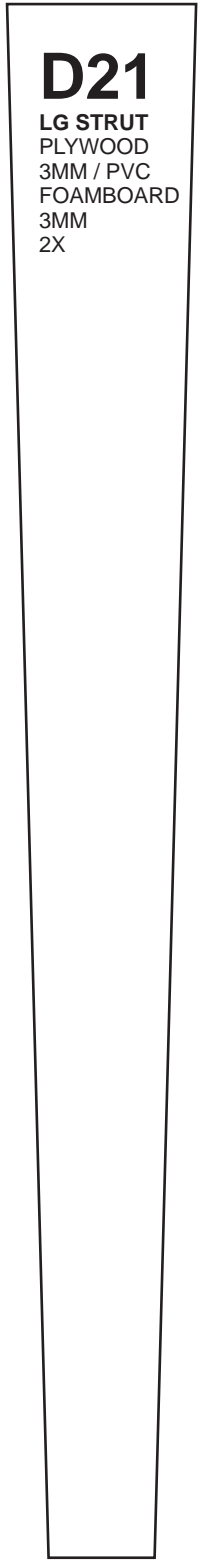
W3

JOIN HERE

JOIN HERE



F10
FUSELAGE
POLYFOAM/
DEPRON 5MM
2X MIRRORED



D21
LG STRUT
PLYWOOD
3MM / PVC
FOAMBOARD
3MM
2X

F1

W3



JOIN HERE

JOIN HERE

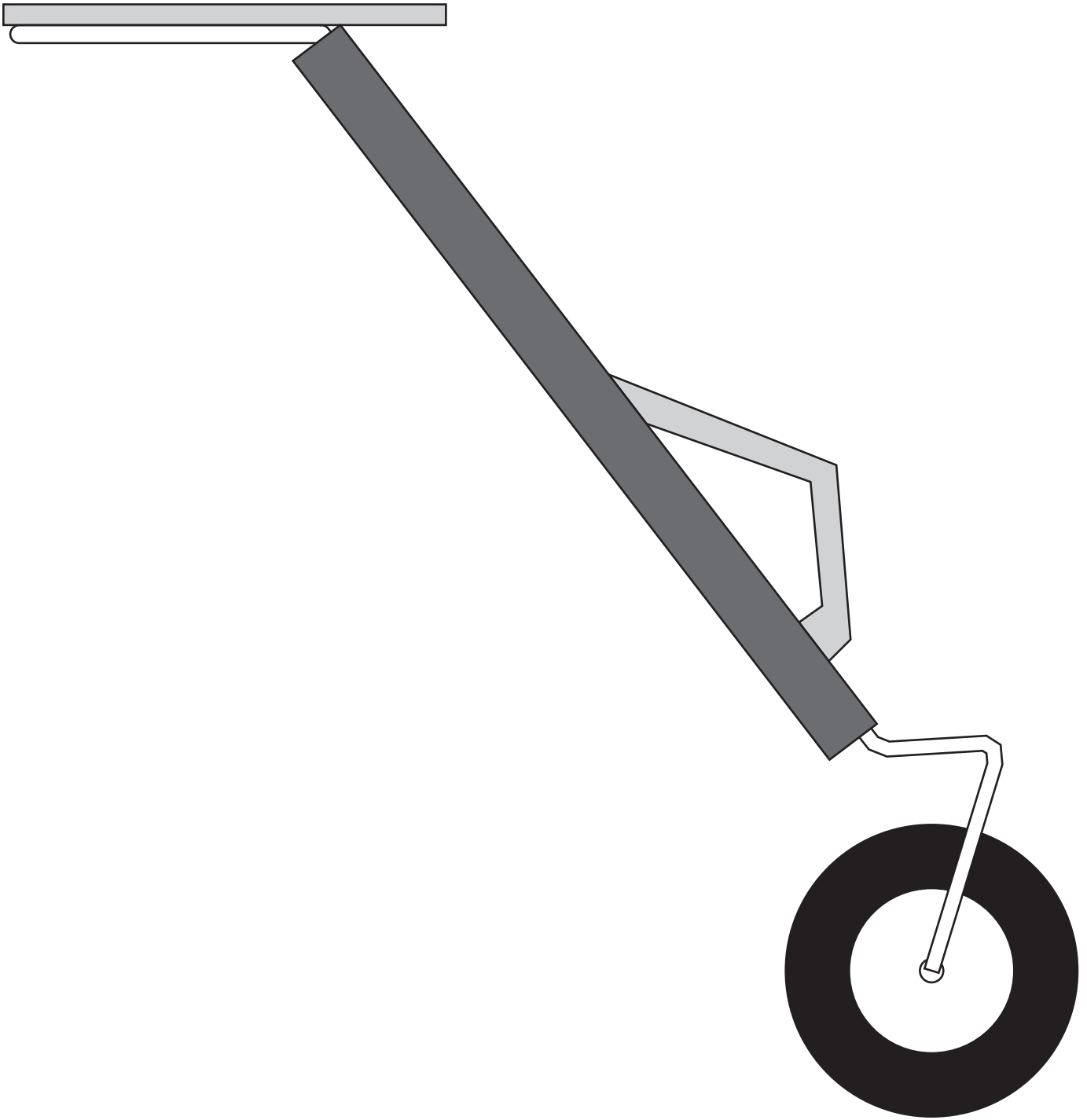
F1

F11
FUSELAGE
POLYFOAM/
DEPRON 5MM

W3

FRONT









FRONT

F8

FUSELAGE
POLYFOAM/
DEPRON 5MM

JOIN HERE

HERE

F8

JOIN H

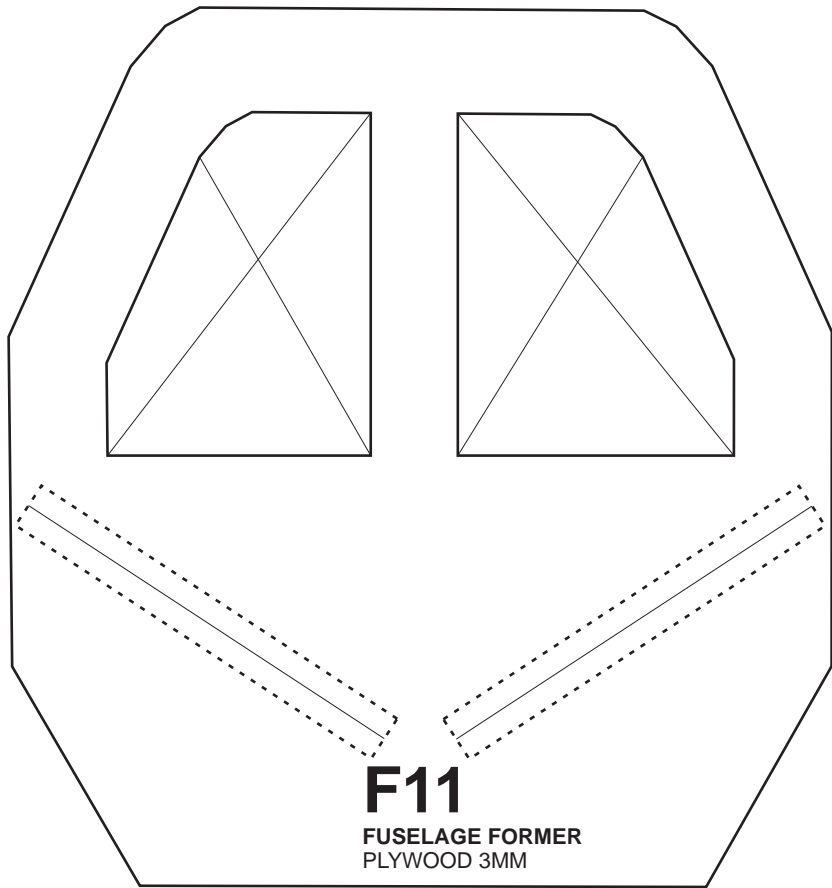
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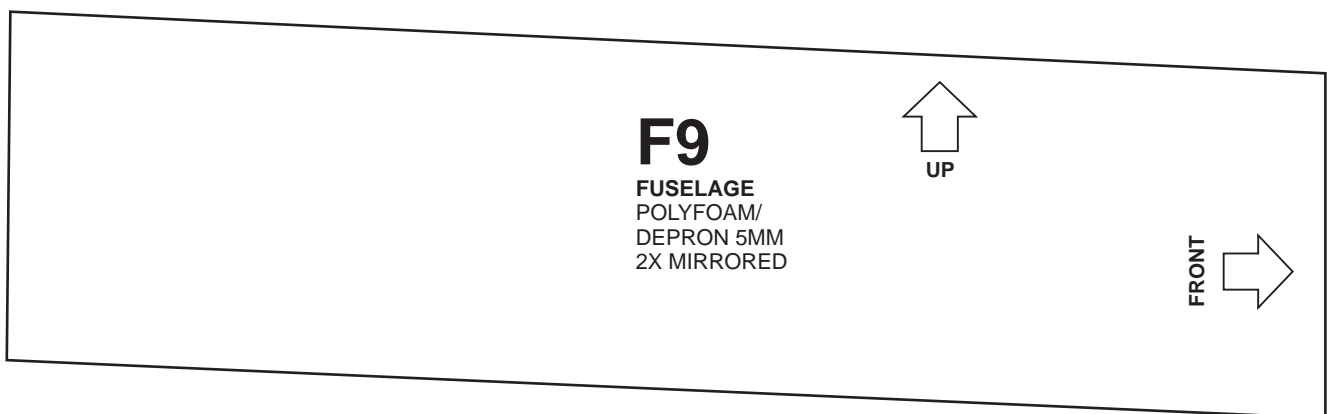
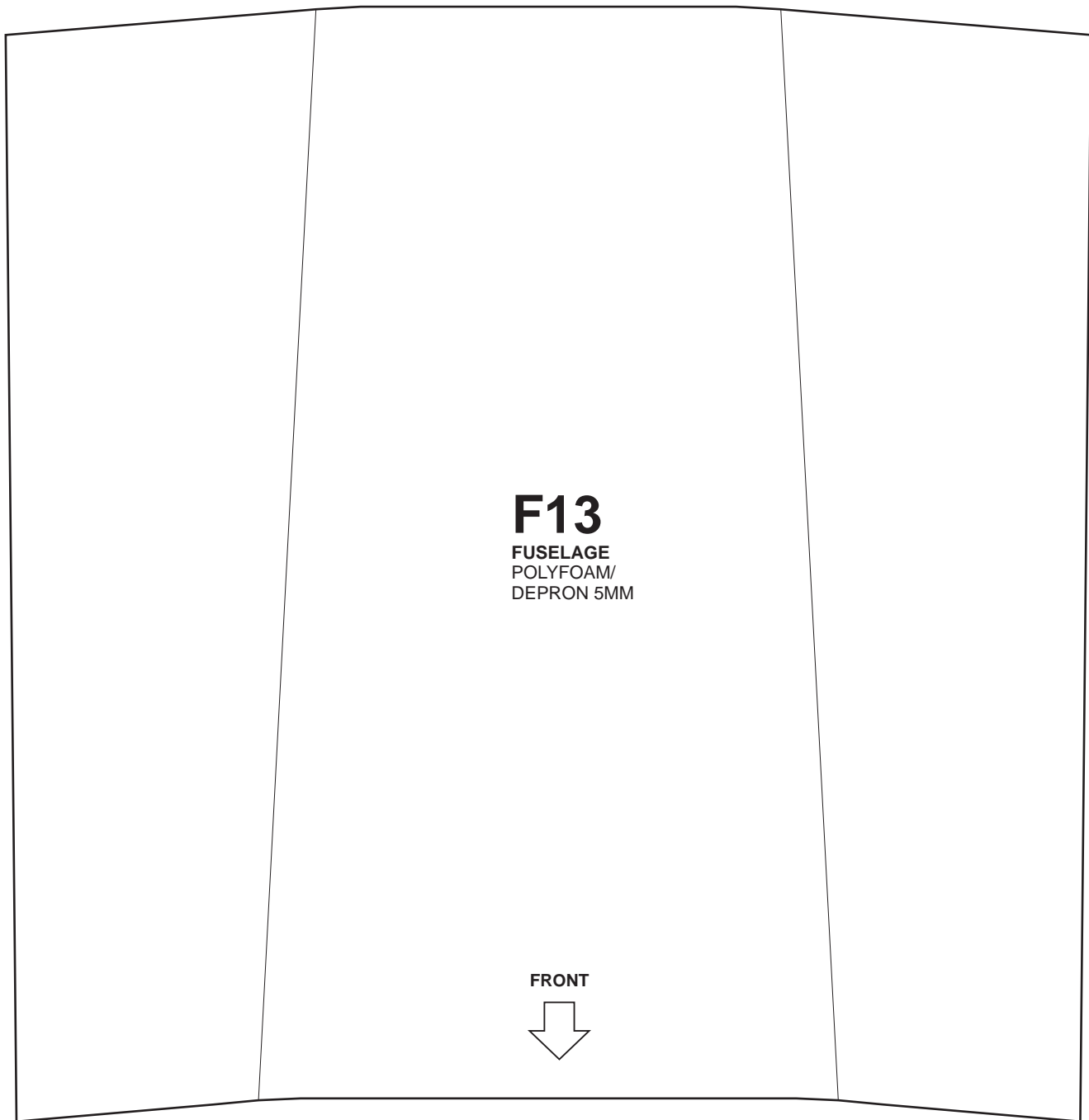
F8

JOIN HER

JOIN HERE

F8





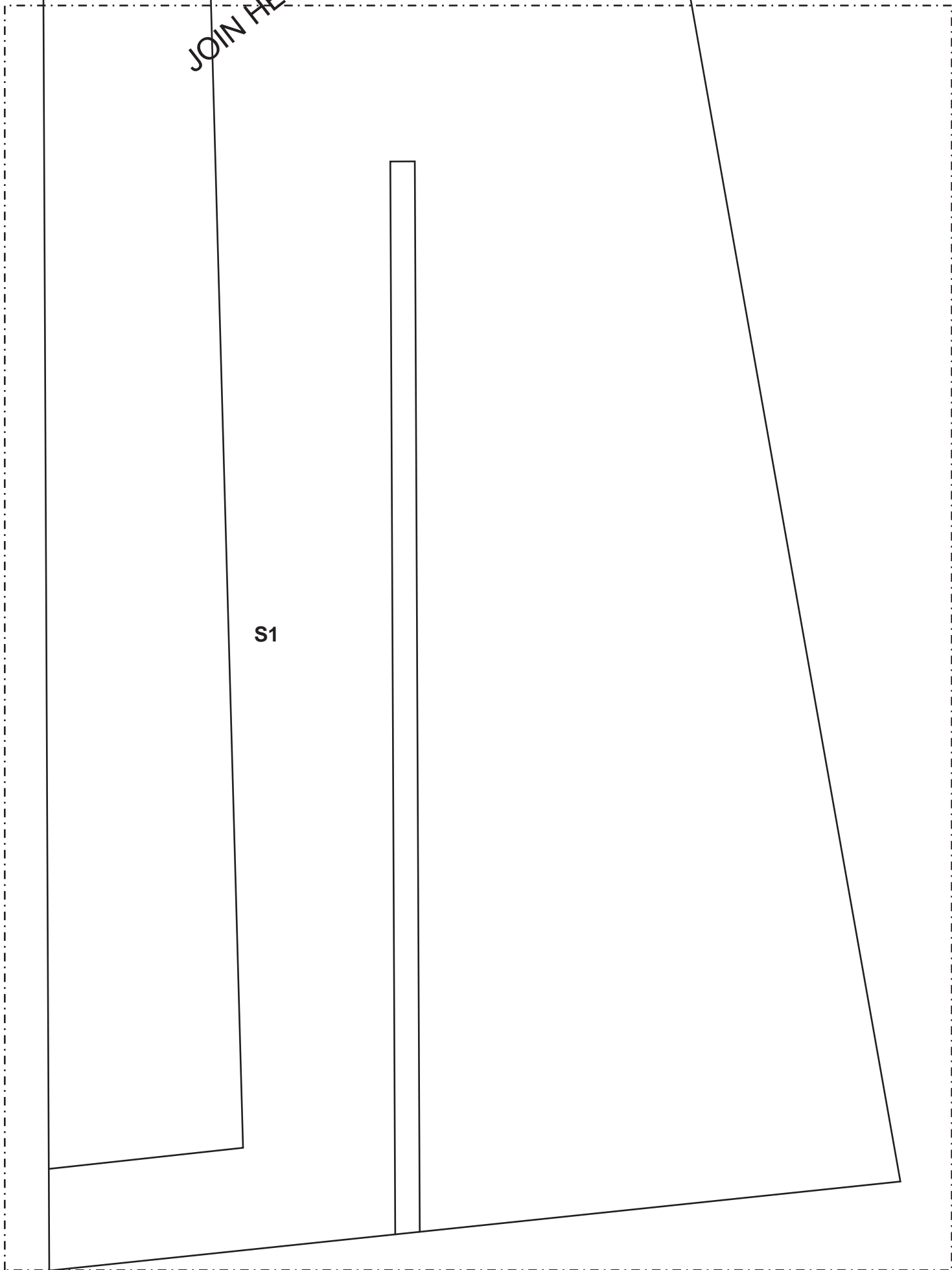
S1

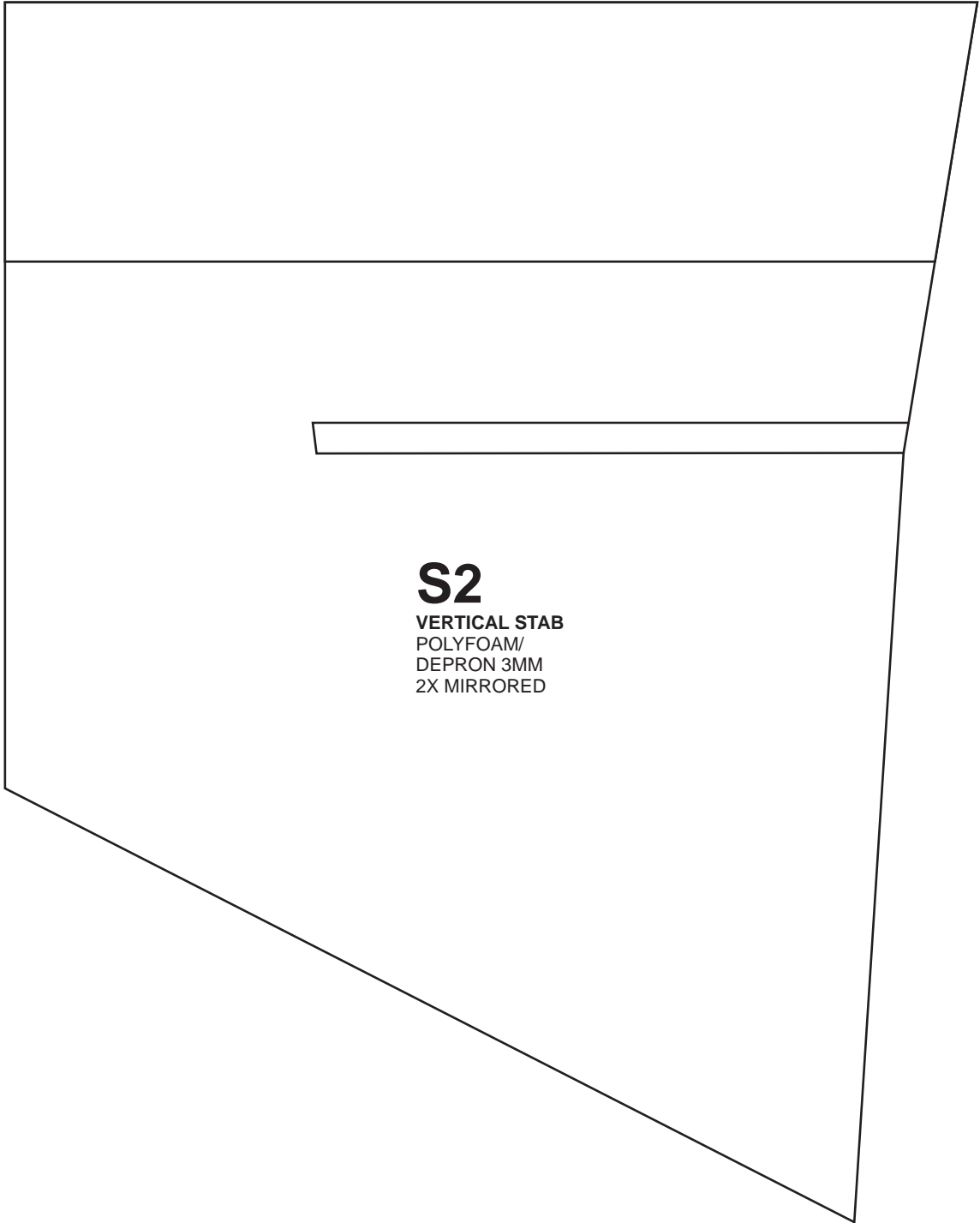
V-STAB
POLYFOAM/
DEPRON 3MM
4X MIRRORED

JOIN HERE

JOIN HERE

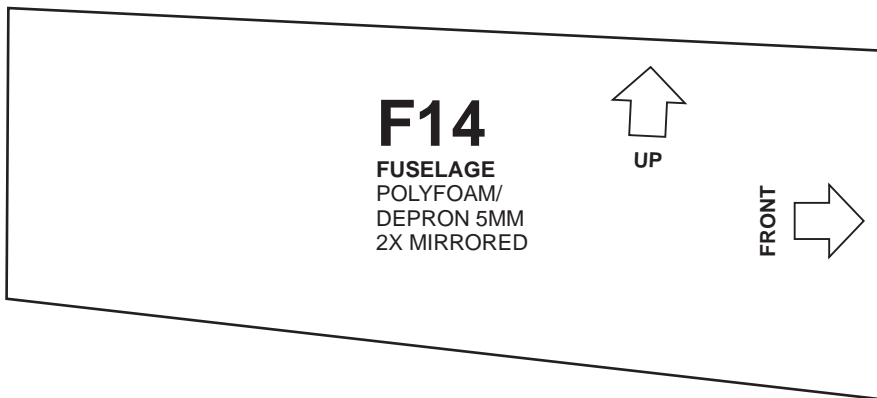
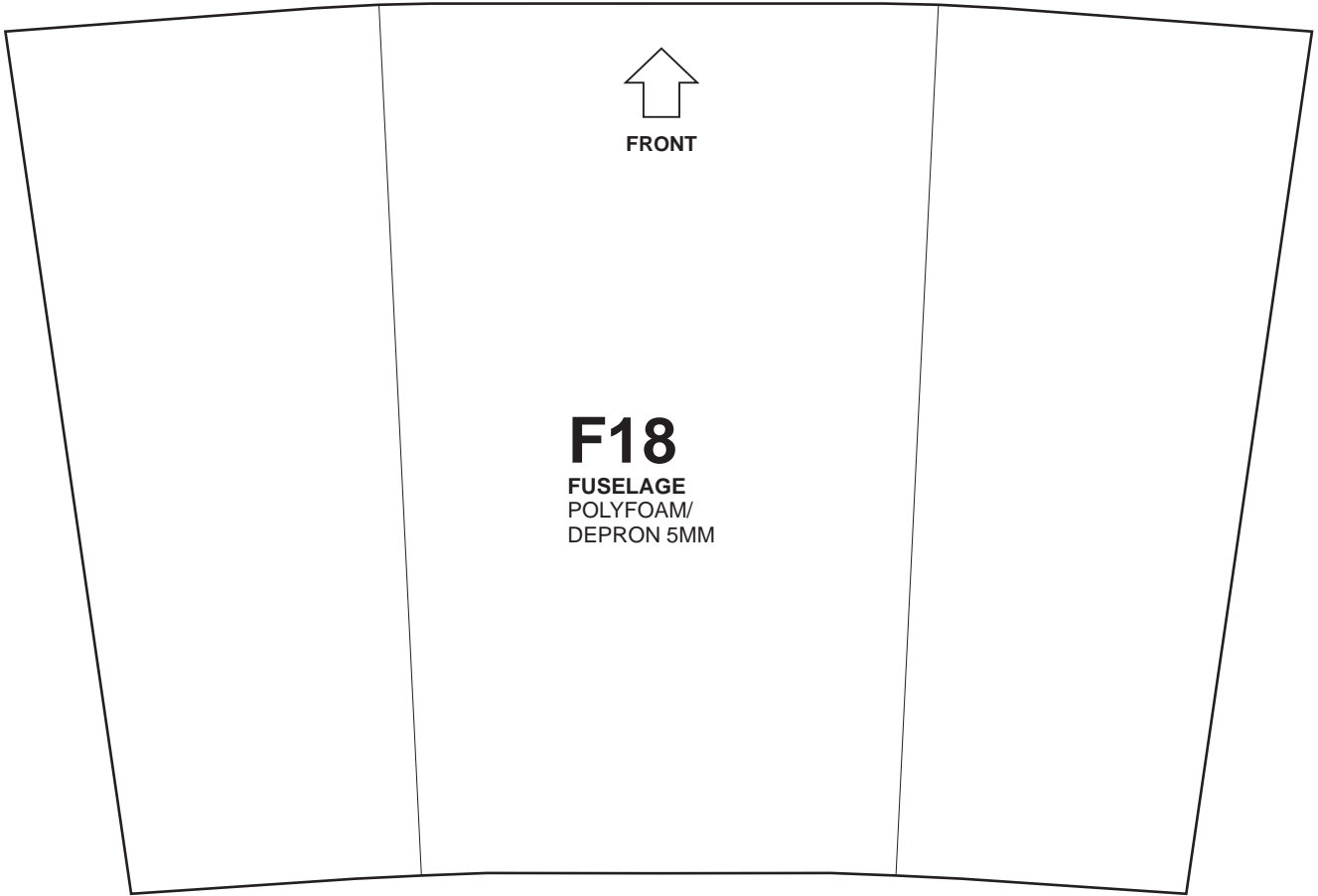
S1

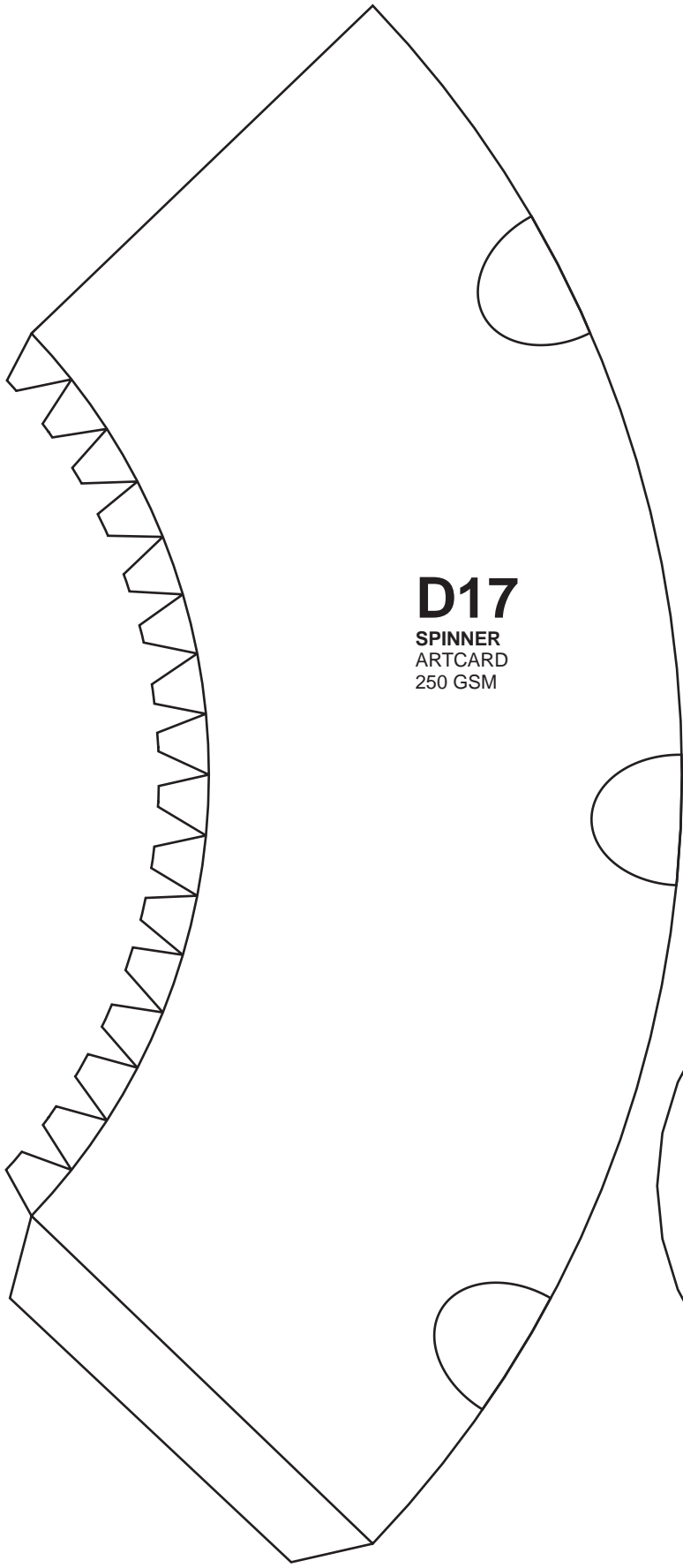




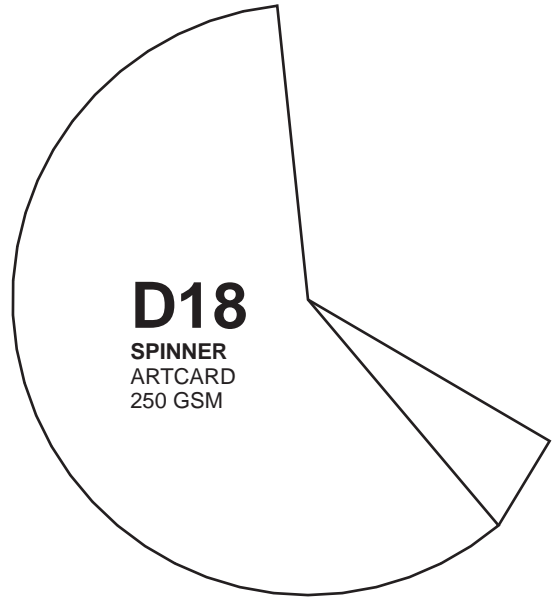
S2

VERTICAL STAB
POLYFOAM/
DEPRON 3MM
2X MIRRORED

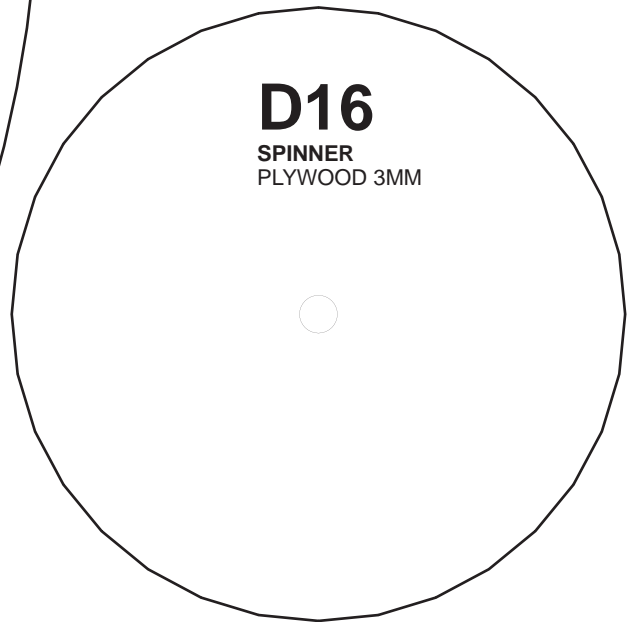




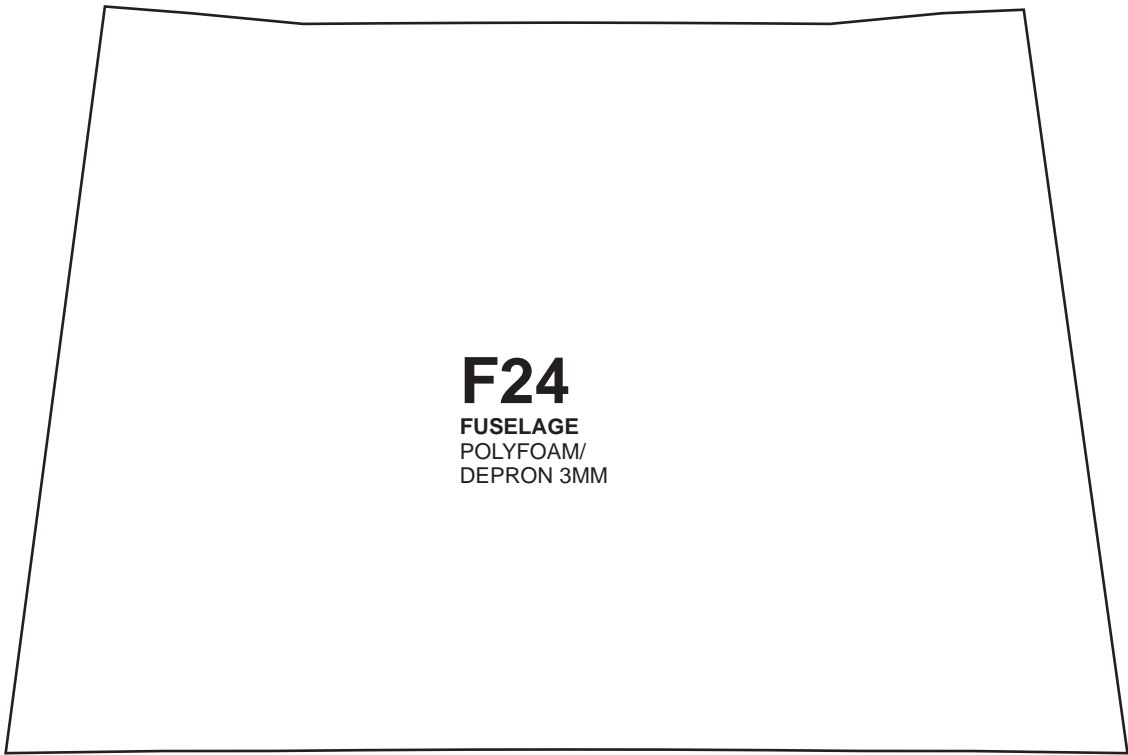
D17
SPINNER
ARTCARD
250 GSM



D18
SPINNER
ARTCARD
250 GSM



D16
SPINNER
PLYWOOD 3MM



F24

FUSELAGE
POLYFOAM/
DEPRON 3MM



F25

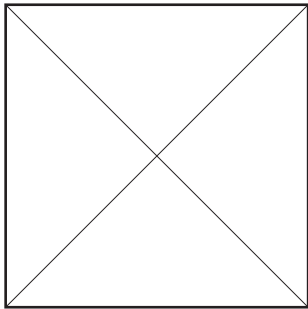
FUSELAGE
POLYFOAM/
DEPRON 3MM



F23

FUSELAGE
POLYFOAM/
DEPRON 3MM

F27
FUSELAGE
POLYFOAM/
DEPRON 5MM



JOIN HERE

F26
FUSELAGE
POLYFOAM/
DEPRON 5MM
2X MIRRORED

JOIN HERE

JOIN HERE

F27

JOIN HERE

F26



F32
FUSELAGE
POLYFOAM/
DEPRON 5MM



F29
FUSELAGE
POLYFOAM/
DEPRON 5MM
2X MIRRORED

JOIN HERE

JOIN HERE

JOIN HERE

F32

JOIN HERE

F29

F31
FUSELAGE
POLYFOAM/
DEPRON 5MM
2X MIRRORED

F30
FUSELAGE
POLYFOAM/
DEPRON 5MM
2X MIRRORED

JOIN HERE

JOIN HERE

JOIN HERE

F31

JOIN HERE

F30

