



Model : 29/2021



# BERKIK 3 FLYING WING

**1300mm**

## Specs :

1. Wingspan 1300mm / 51.2 inches
2. Flying weight : 700 grams/ 67.4 oz
3. Wing loading : 19.2 gram/dm<sup>2</sup> - 6.3 oz/sq.ft.
4. Wing cube loading : 3.2 (Glider = below 4)
5. Wing Area : 36.54 dm<sup>2</sup> / 566 sq.in.
6. CG : 26 cm / 10.2 inch from LE or right on the wing break

## Electronics

Any setup (motor,esc,battery) with 5-9 inch prop

Tested with :

- Turnigy 2826 2200kv motor
- Lipo Battery 3S 2200mah 95C
- 2 x 9 gram metal gear servos (micro servo)
- Prop 5x5x3

## Materials :

1. 5mm Foamboard/ Depron/ Polyfoam
2. 3mm Plywood
3. 0.2mm Mica Plastic / Paper card
4. hot glue, UHU glue, CA glue
5. laminating film 32 micron

## Build Instructions :

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



FRONT

**W1**

WING  
POLYFOAM/  
DEPRON 5MM

JOIN HERE

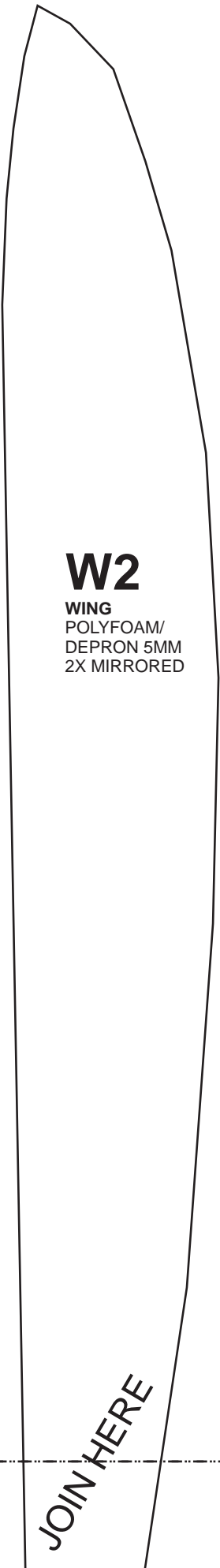
JOIN HERE

**W1**

**W3**

WING SPAR  
POLYFOAM/  
DEPRON 5MM

**W4** WING SPAR  
POLYFOAM/  
DEPRON 5MM



**W2**  
WING  
POLYFOAM/  
DEPRON 5MM  
2X MIRRORED

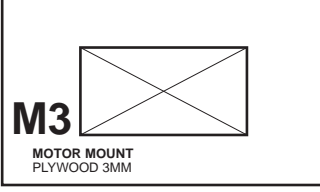
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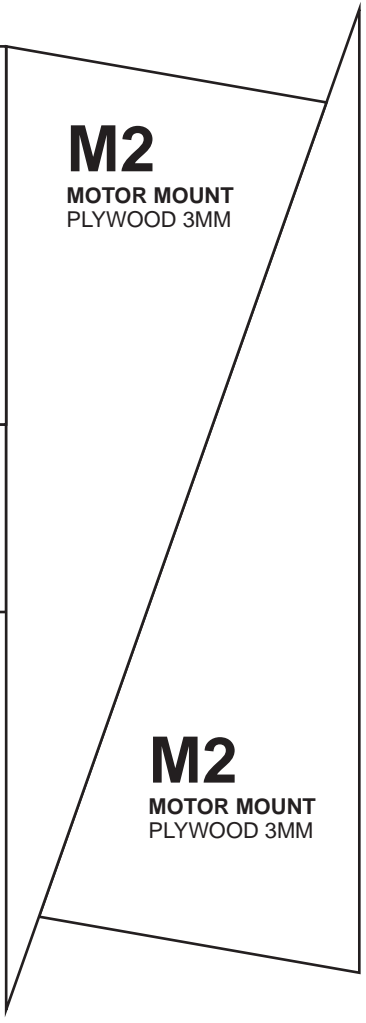
**W2**  
WING  
POLYFOAM/  
DEPRON 5MM  
2X MIRRORED



**M1**  
MOTOR MOUNT  
PLYWOOD 3MM



**M3**  
MOTOR MOUNT  
PLYWOOD 3MM

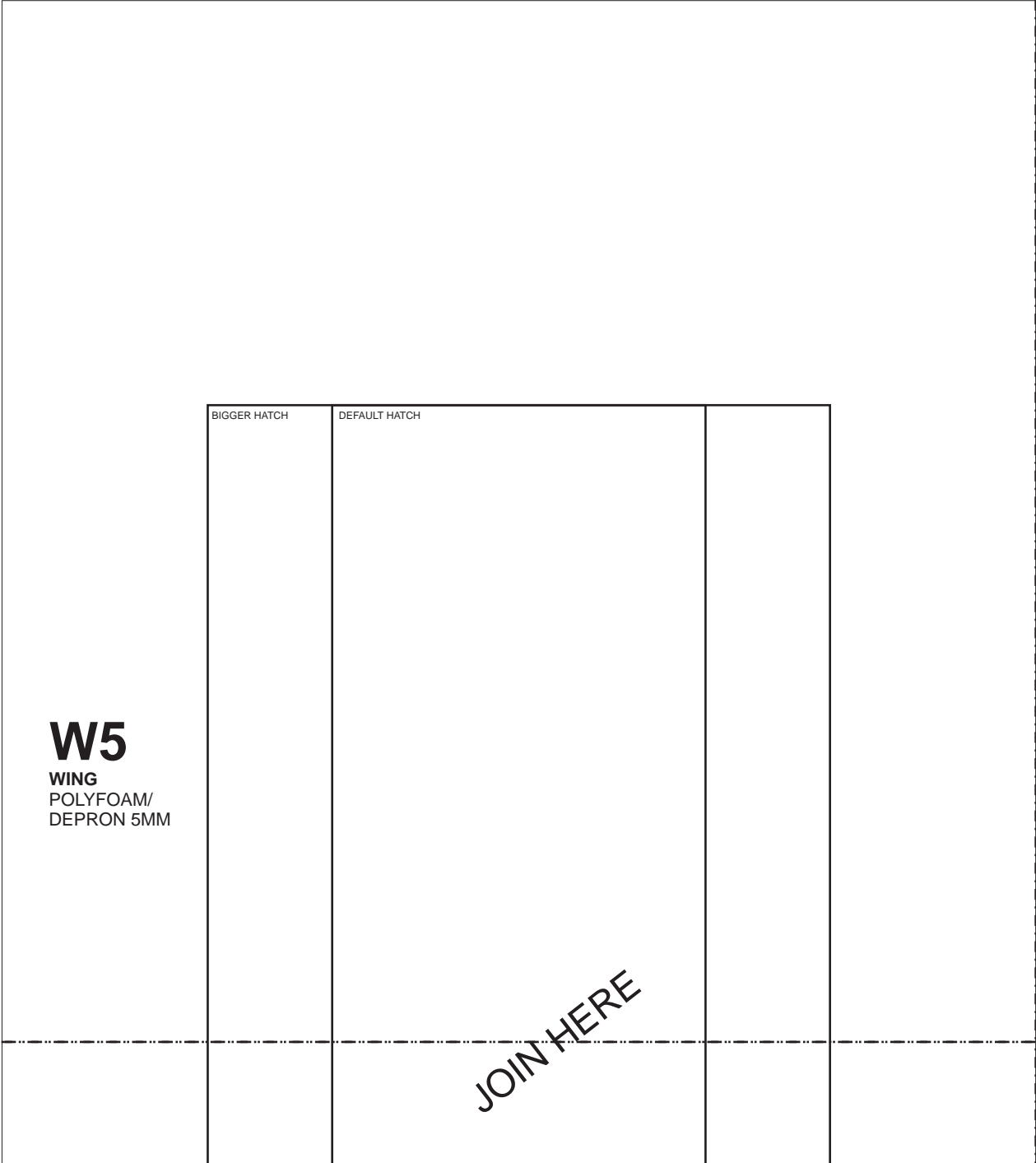


**M2**  
MOTOR MOUNT  
PLYWOOD 3MM

**M2**  
MOTOR MOUNT  
PLYWOOD 3MM

JOIN HERE

W2



**W5**

WING  
POLYFOAM/  
DEPRON 5MM

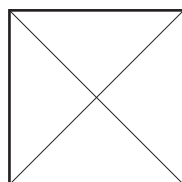
BIGGER HATCH

DEFAULT HATCH

JOIN HERE

JOIN HERE

W5



**W9**

WING  
POLYFOAM/  
DEPRON 5MM  
2X MIRRORED

**W7**

WING  
POLYFOAM/  
DEPRON 5MM  
2X MIRRORED

**W6**

WING  
POLYFOAM/  
DEPRON 5MM  
2X MIRRORED

**W8**

JOIN HERE

JOIN HERE

JOIN HERE

W6

JOIN HERE

JOIN HERE



JOIN HERE

**W8**

WING  
POLYFOAM/  
DEPRON 5MM  
2X MIRRORED

JOIN HERE

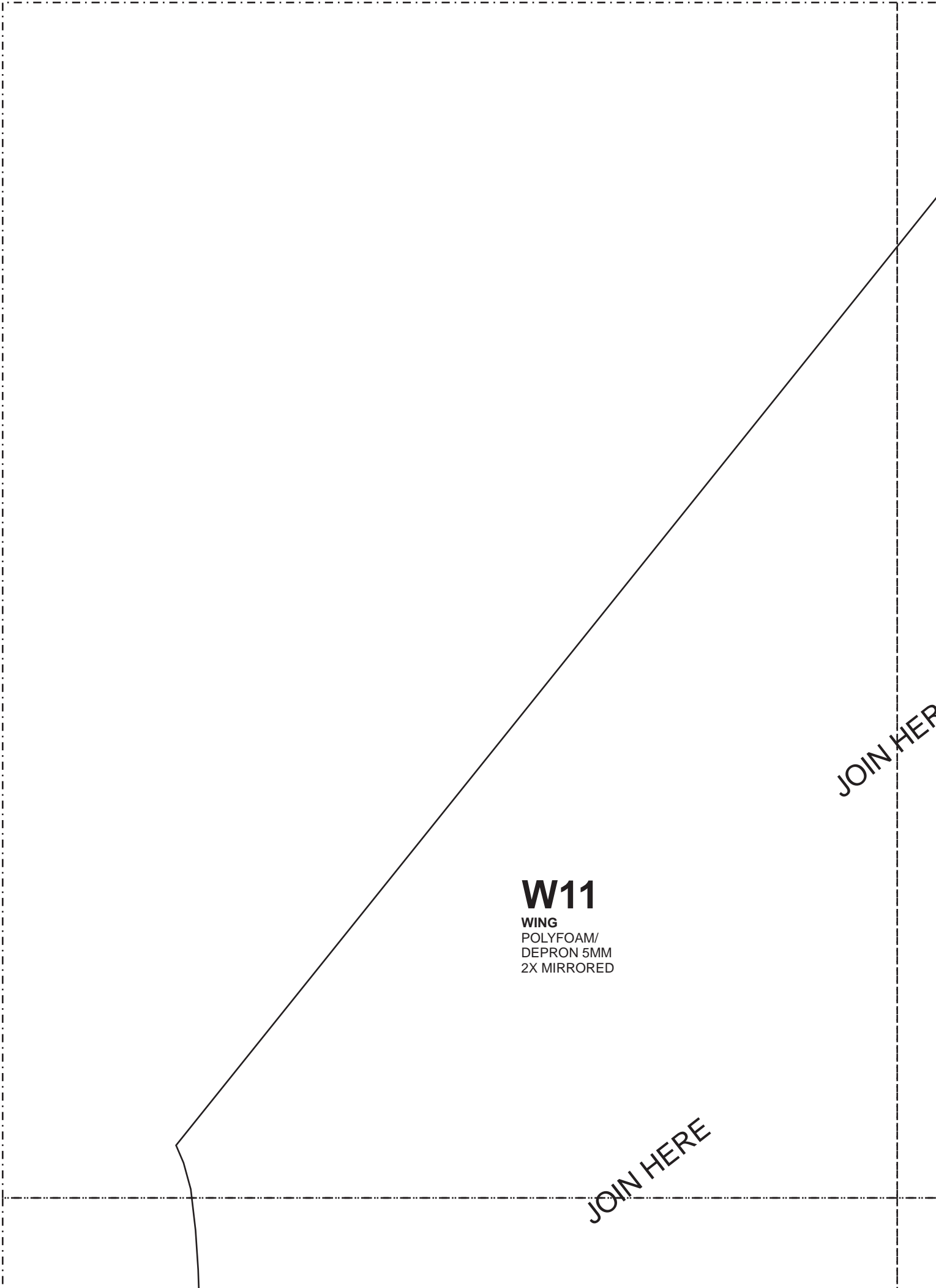
W6

JOIN HER

JOIN HERE

JOIN HERE

W6



JOIN HERE

**W11**

WING  
POLYFOAM/  
DEPRON 5MM  
2X MIRRORED

JOIN HERE

JOIN HERE

W11

JOIN HERE

JOIN HERE

JOIN HERE

W11

JOIN HERE

JOIN HERE

W11

**W13**

WING  
POLYFOAM/  
DEPRON 5MM  
2X MIRRORED

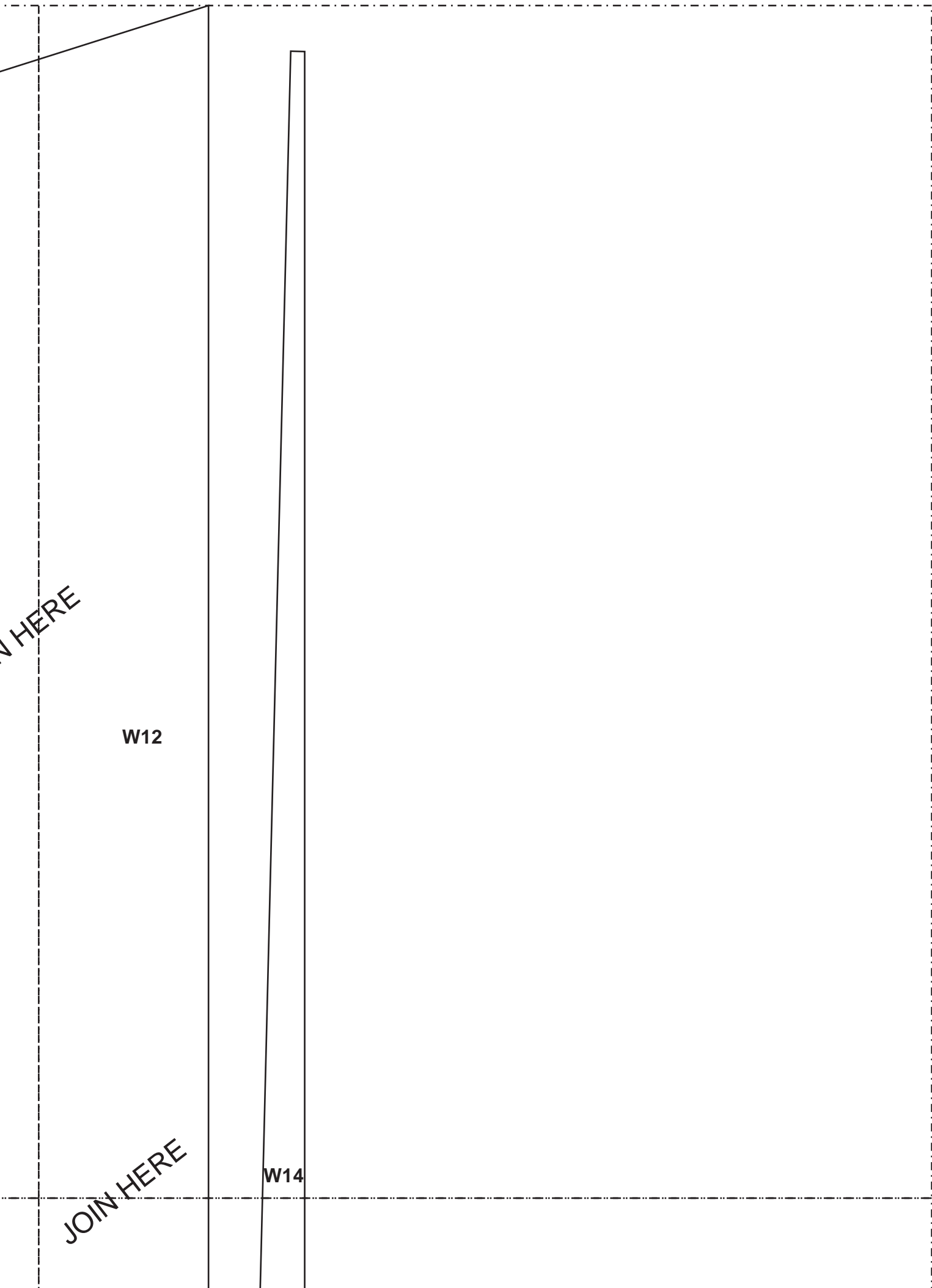
**W12**

WING  
POLYFOAM/  
DEPRON 5MM  
2X MIRRORED

JOIN HERE

JOIN HERE

J



JOIN HERE

W12

W14

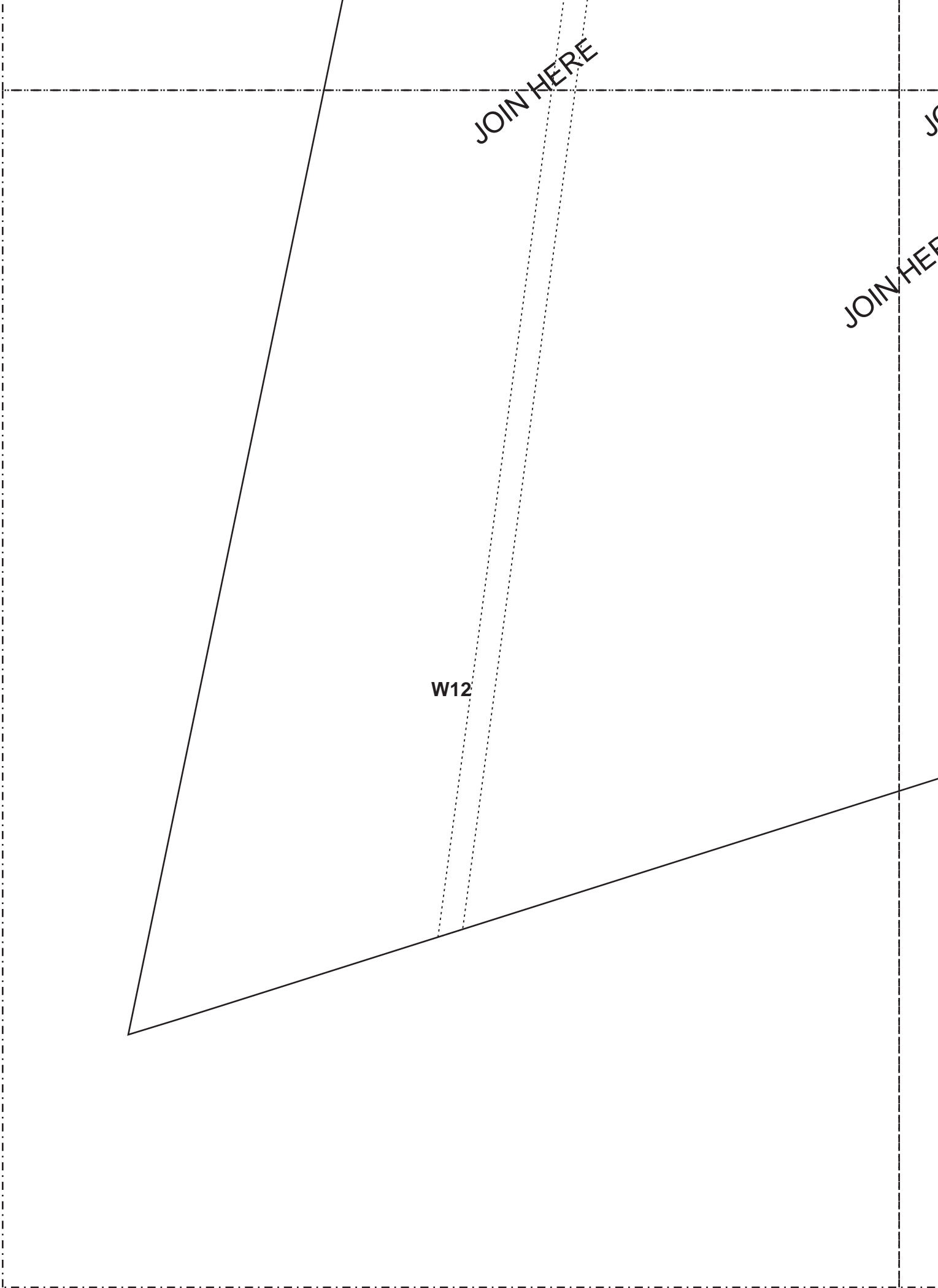
JOIN HERE



JOIN HERE

JOIN HERE

W12



JOIN HERE

JOIN HERE

W12

**W14**

WING  
POLYFOAM/  
DEPRON 5MM  
2X MIRRORED



**W15**

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

JOIN HERE

JOIN HERE

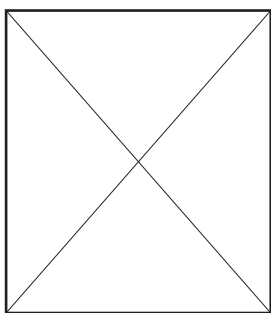
JOIN HERE

# W16

ELEVON  
POLYFOAM/  
DEPRON 5MM  
2X MIRRORED

JOIN HERE

JOIN HERE



JOIN HER

JOIN HERE

W16

**W18**

SERVO COVER  
0.3MM PLASTIC OR  
PAPER CARD  
2X



JOIN HERE

**W17**

WINGLET  
POLYFOAM/  
DEPRON 5MM  
2X MIRRORED

**T1**

ELEVON REFLEX  
ELEVON ANGLE  
TEMPLATE





# M4

MOTOR MOUNT COWL  
0.3MM PLASTIC OR  
PAPER CARD