

ASCEND HOBBIES

ALPHA

FREE FLIGHT GLIDER BALSA AIRPLANE KIT INSTRUCTION MANUAL

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Wingspan: 813mm

Length: 610mm

Wing Area: 9.75dm²

Airfoil: Asymmetric Airfoil

Dihedral Angle: 6°

Flying Weight: None

Power Required: None

Speed Controller Required: None

Servos Required: None

Battery Required: None

Prop Required: None

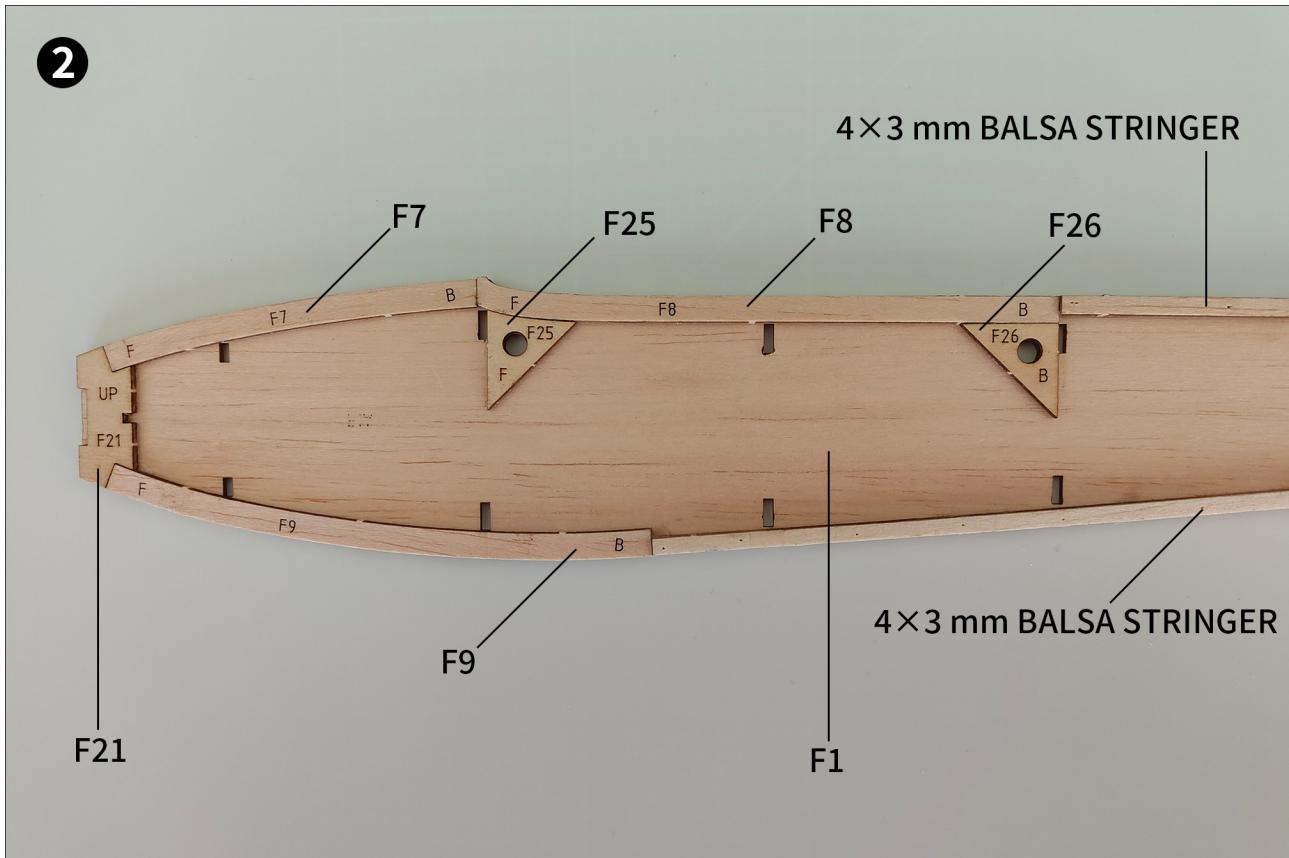
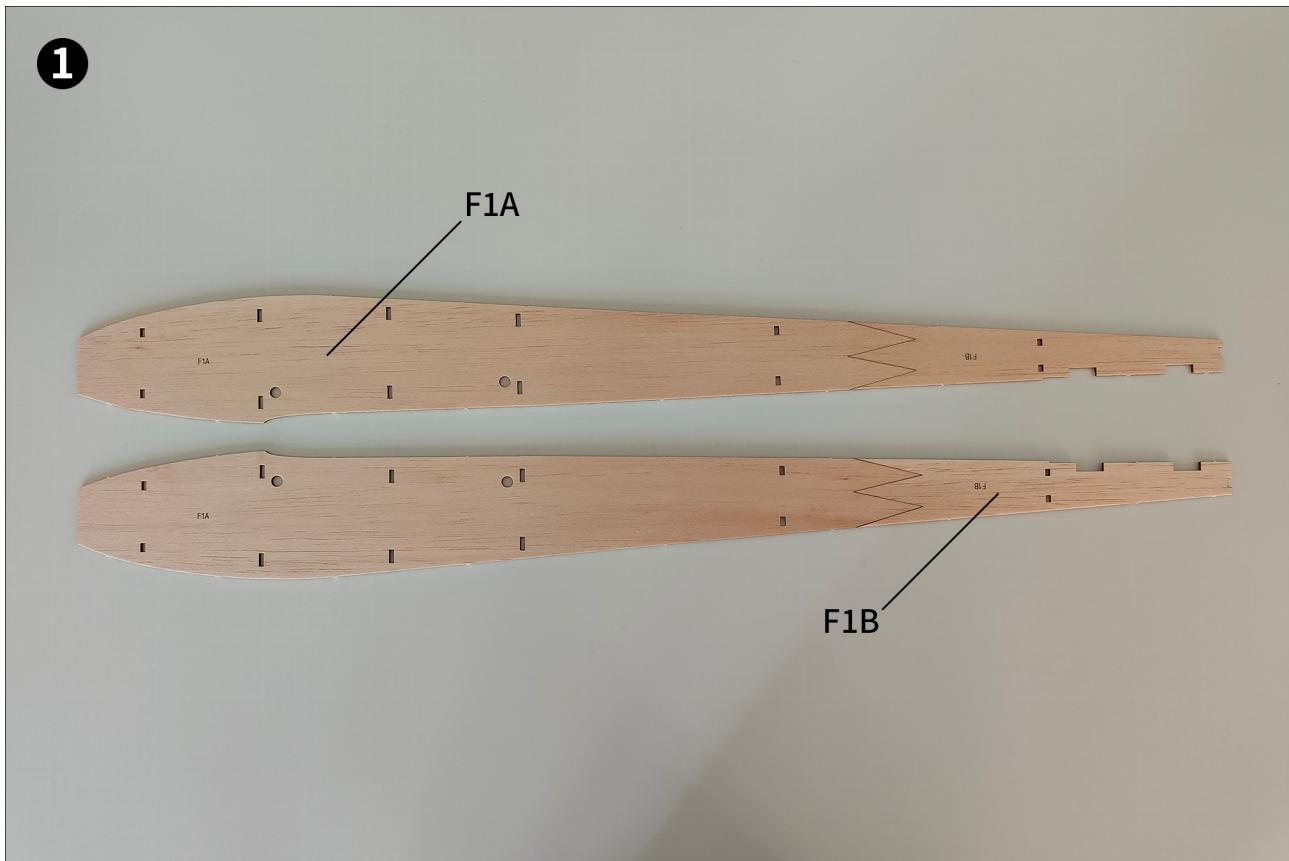
Radio Required: None

CG (Center of Gravity): 40mm Rearward of wing leading edge

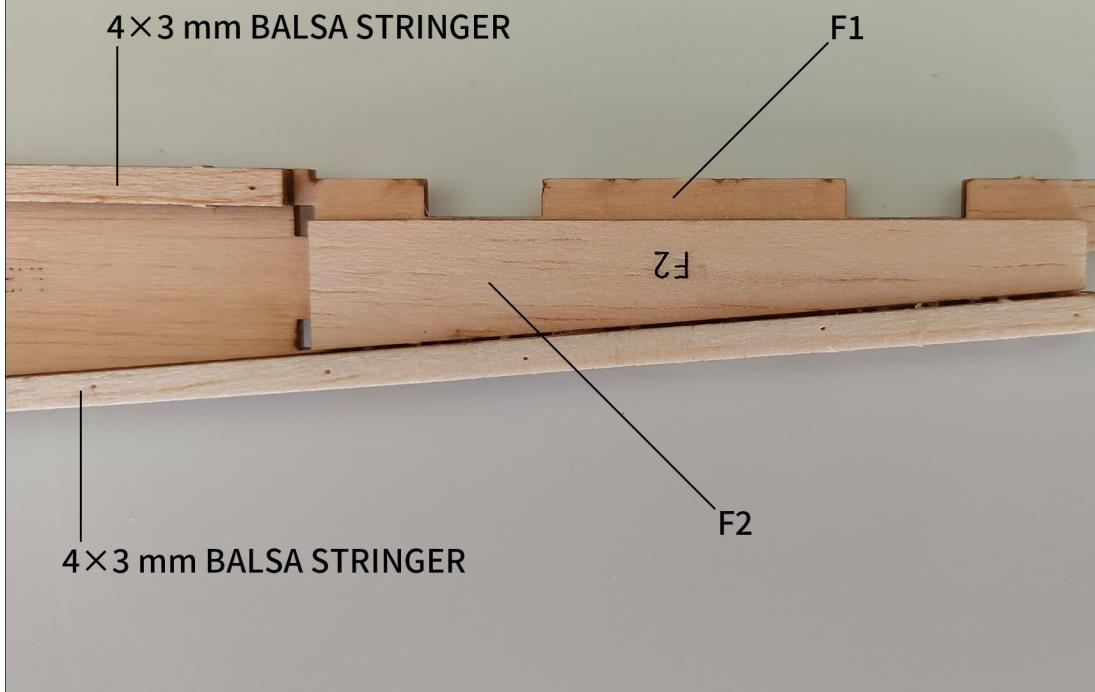
The design center of gravity (CG) is located 75mm aft of the wing leading edge. For the initial flight, the CG should be set slightly forward of the design position to ensure enhanced stability and controllability. Subsequent flights may allow for fine adjustments of the CG location in accordance with pilot preference and handling characteristics.

Note: This balsa model aircraft kit does not include covering material or any electronic equipment.

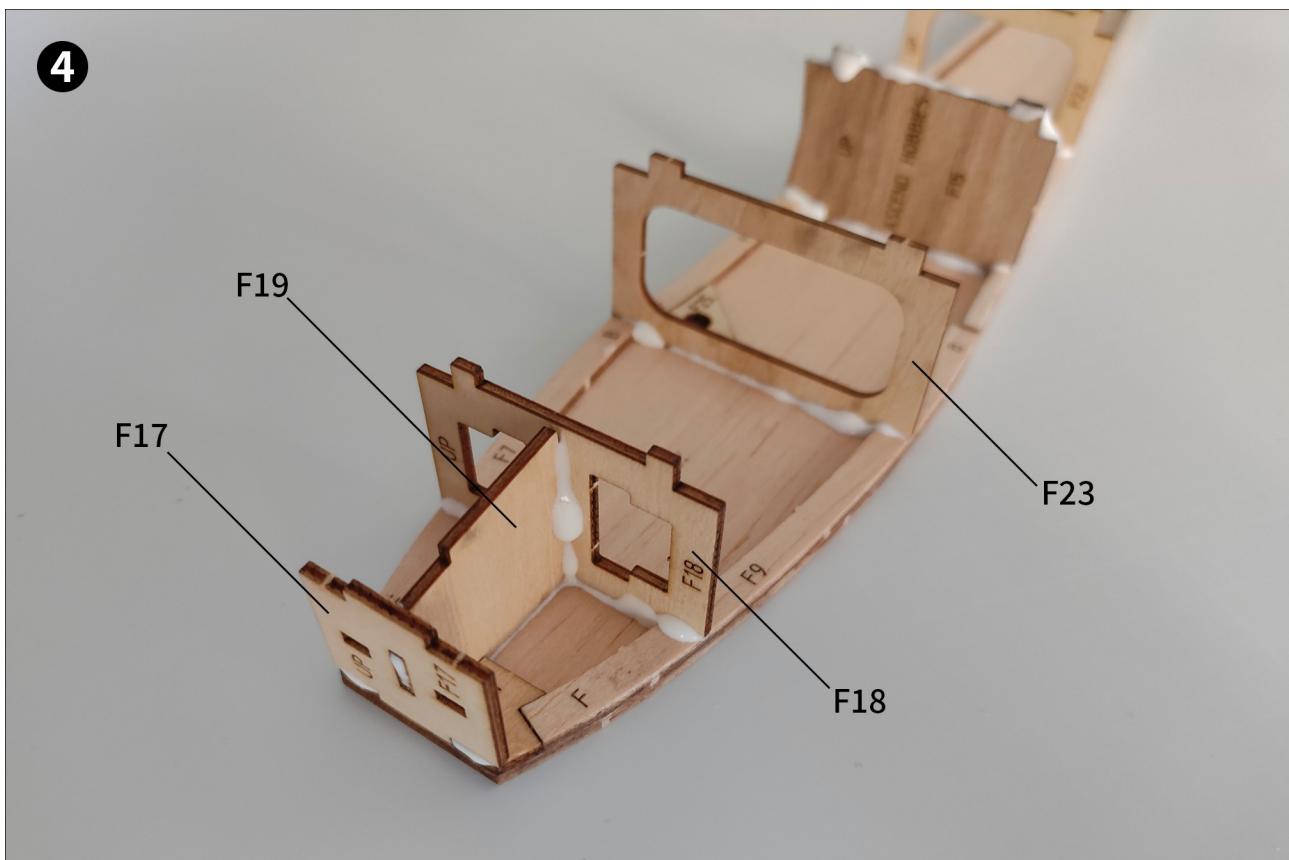
1. FUSELAGE ASSEMBLY



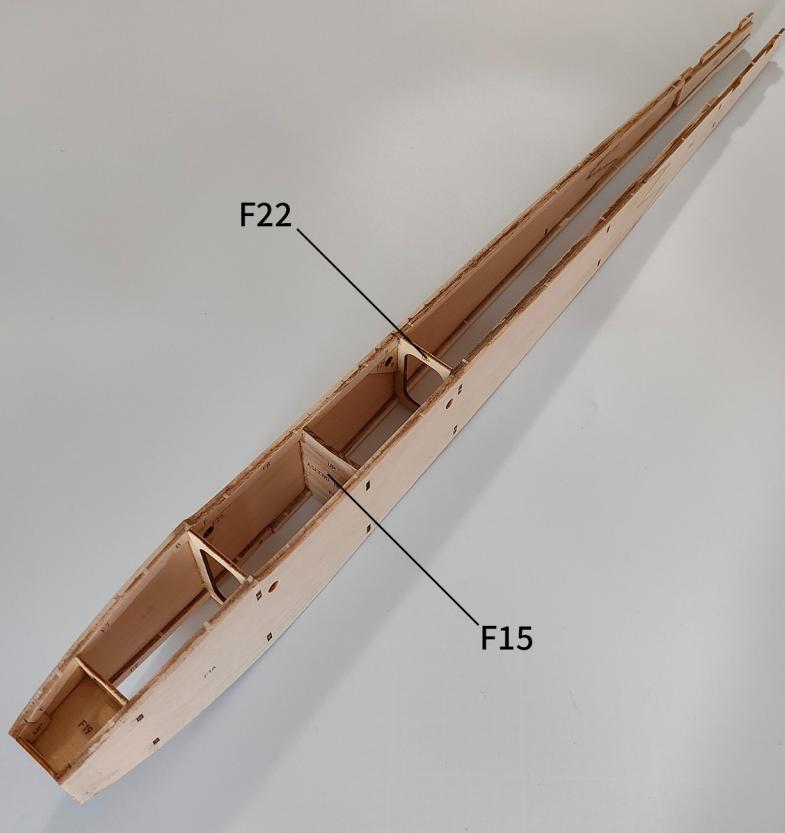
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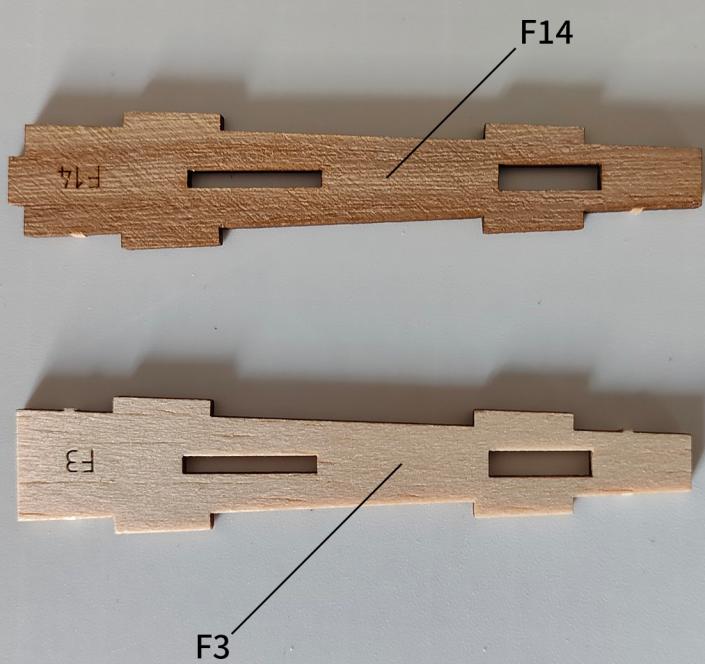
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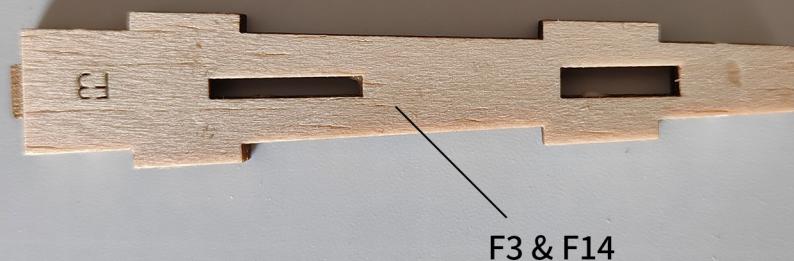
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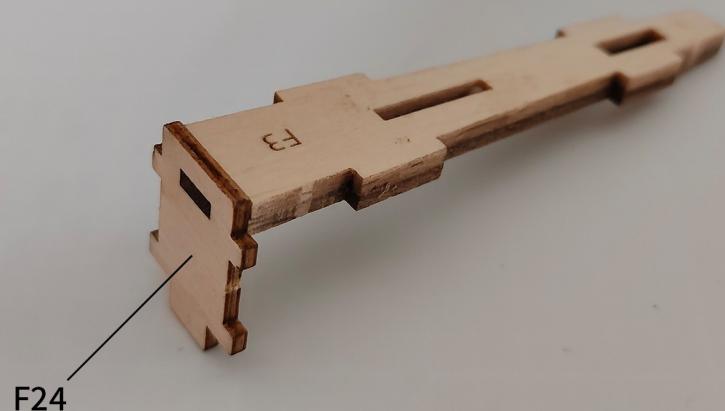
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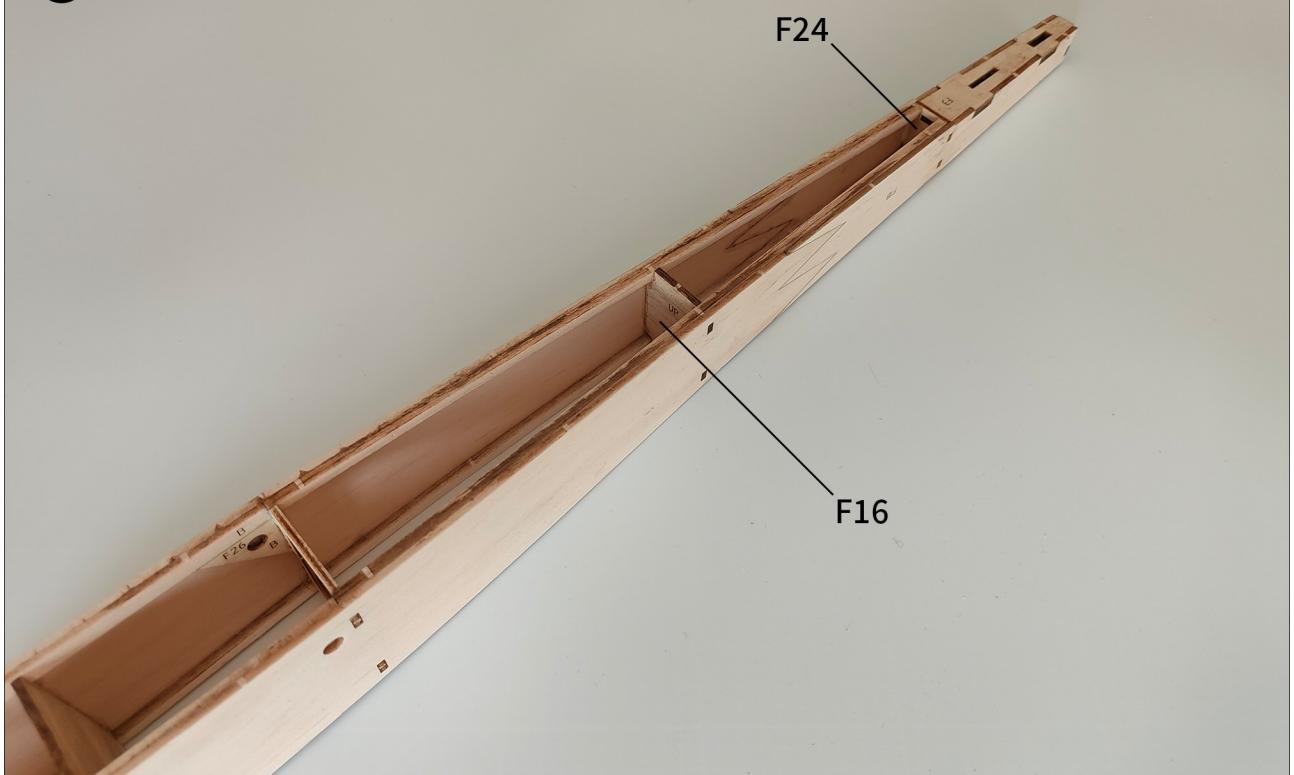
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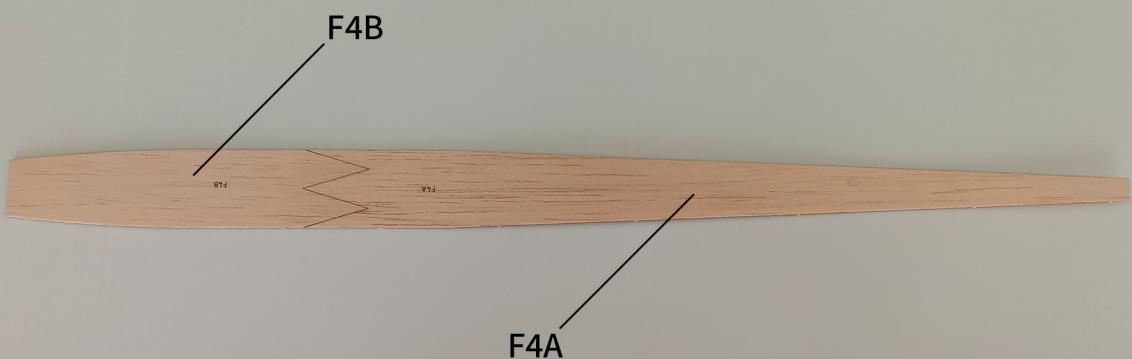
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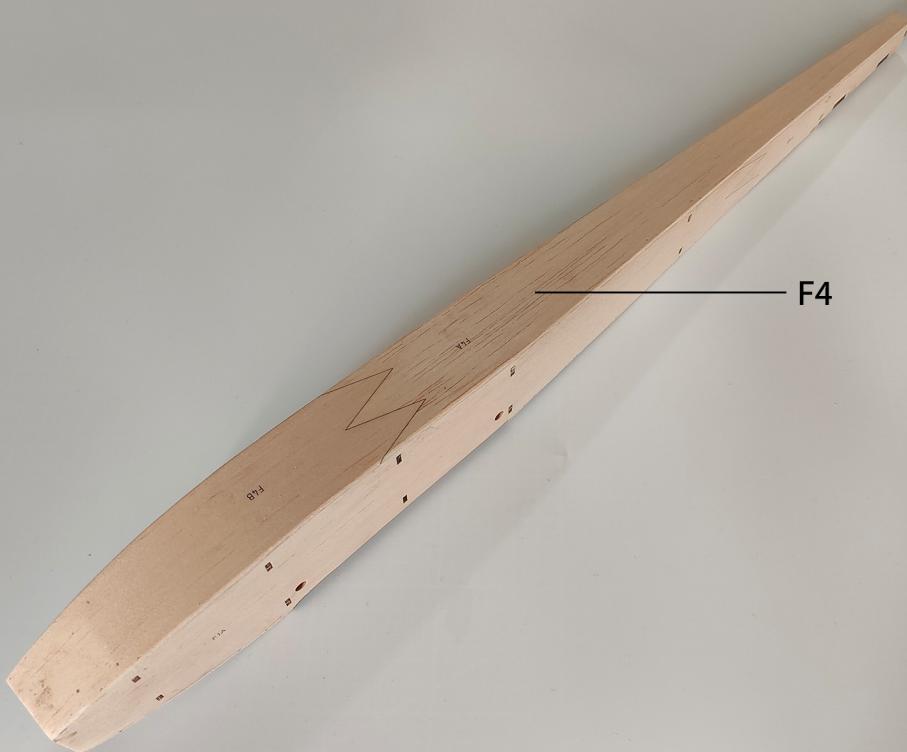
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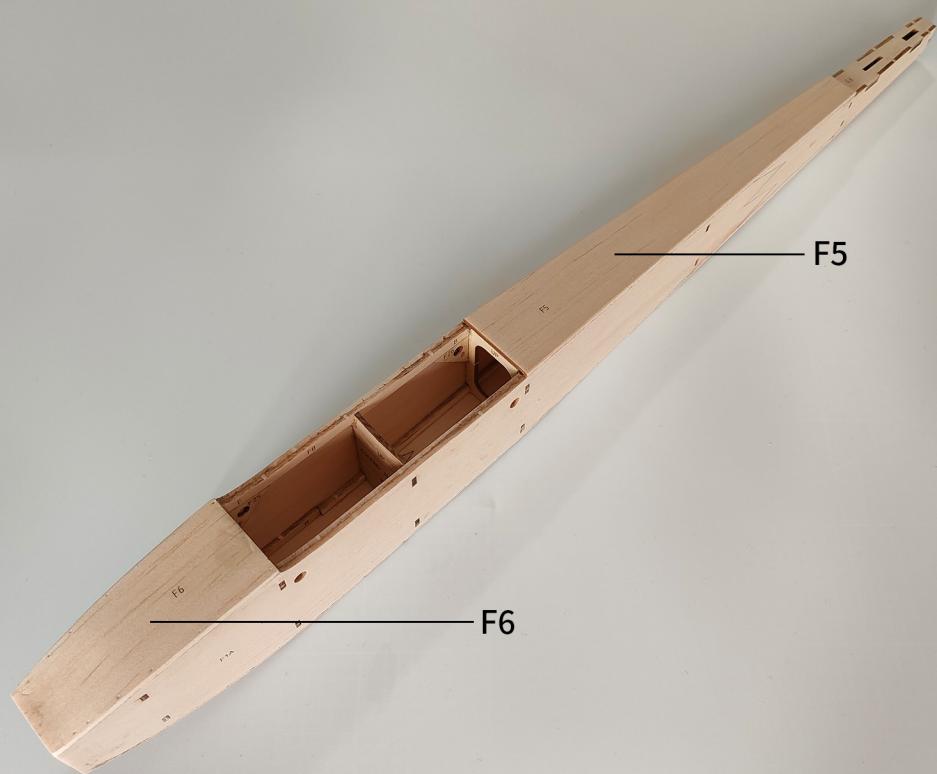
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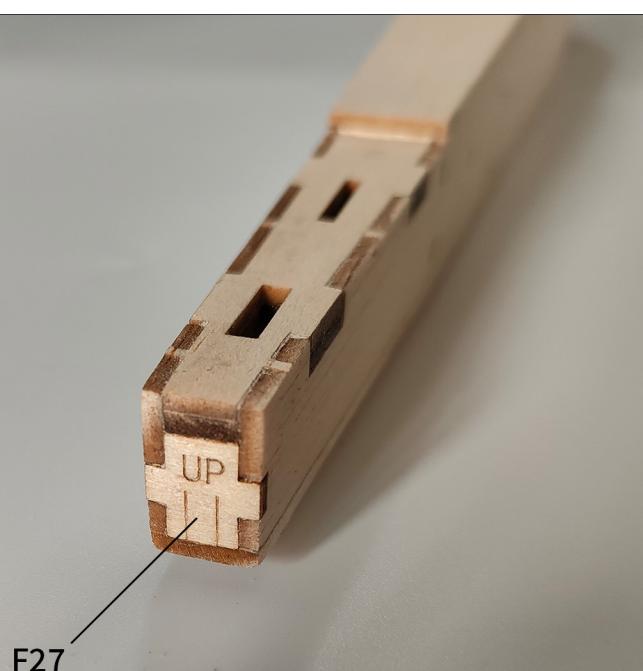
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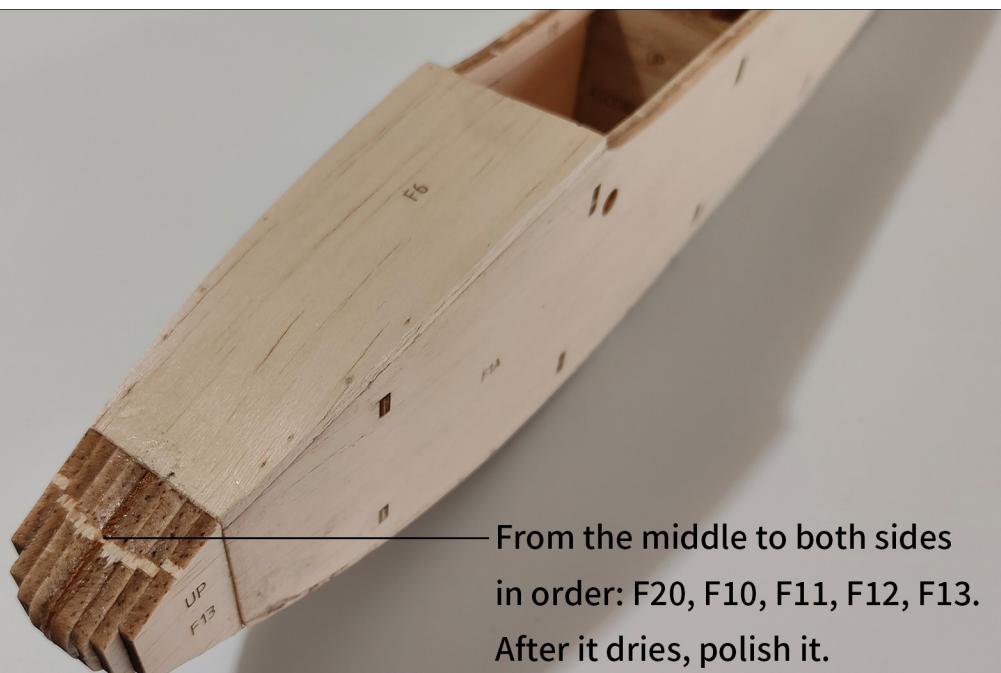
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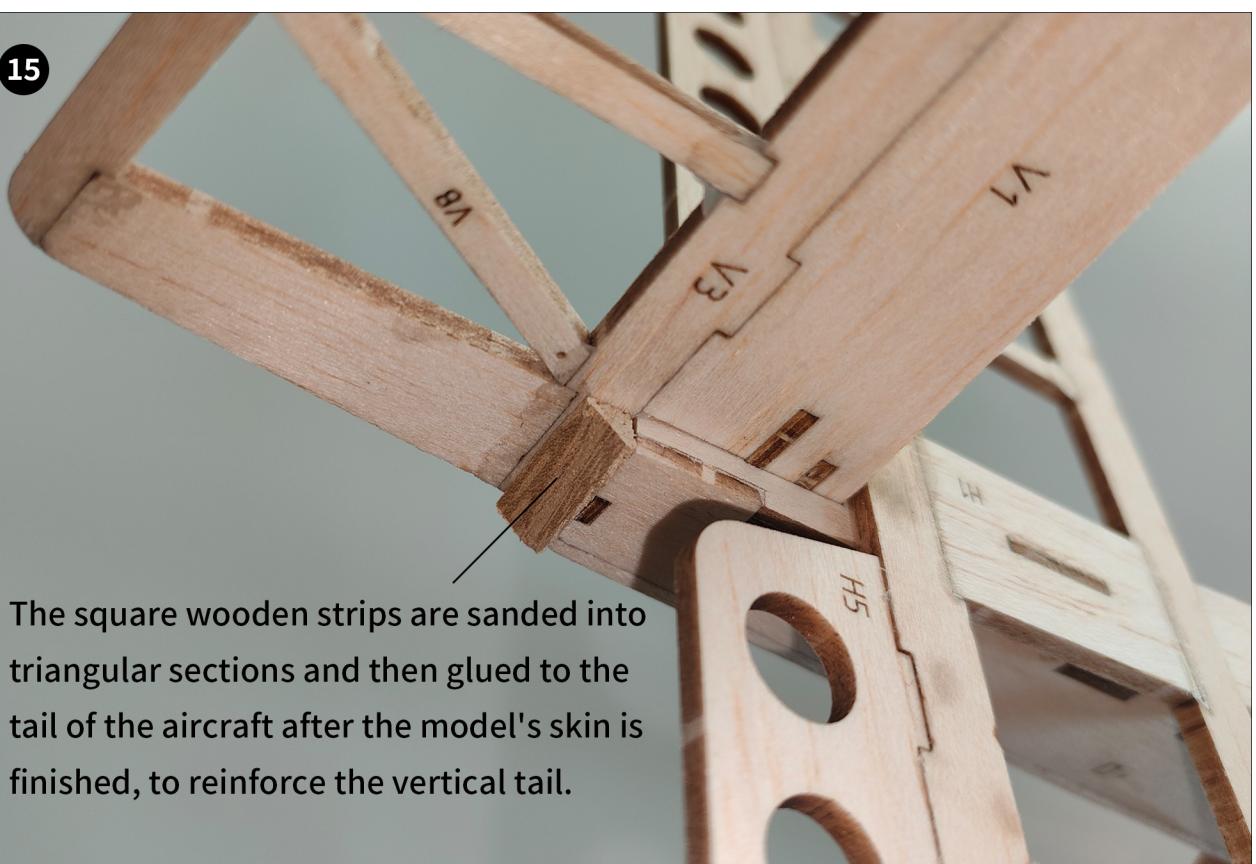
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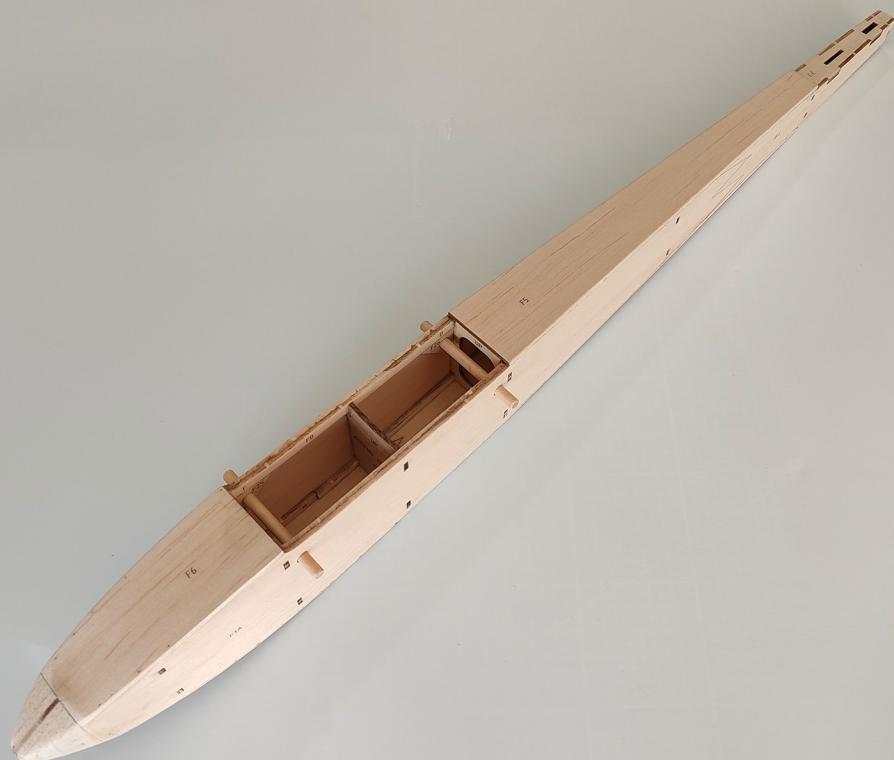
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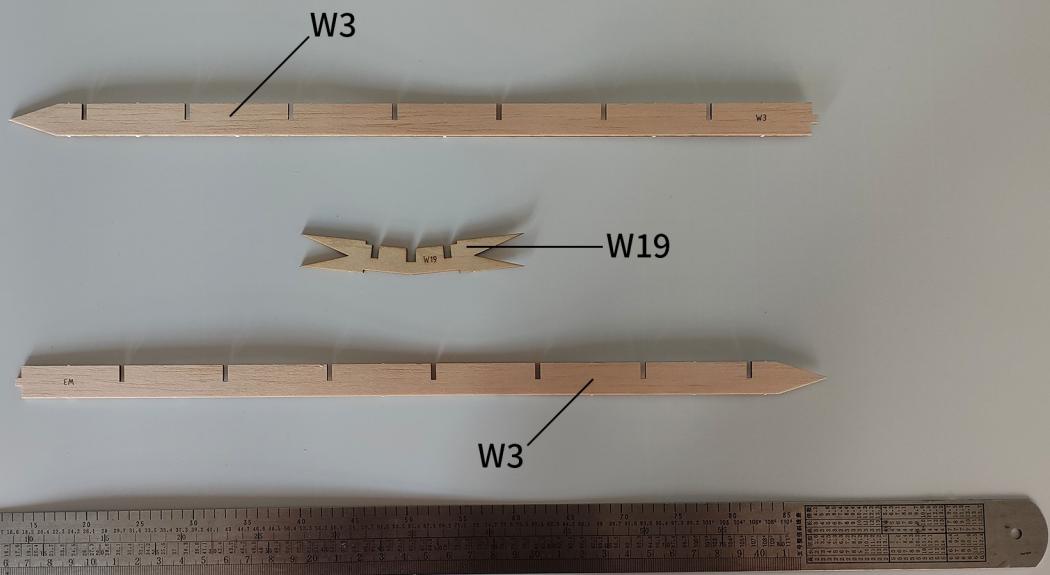


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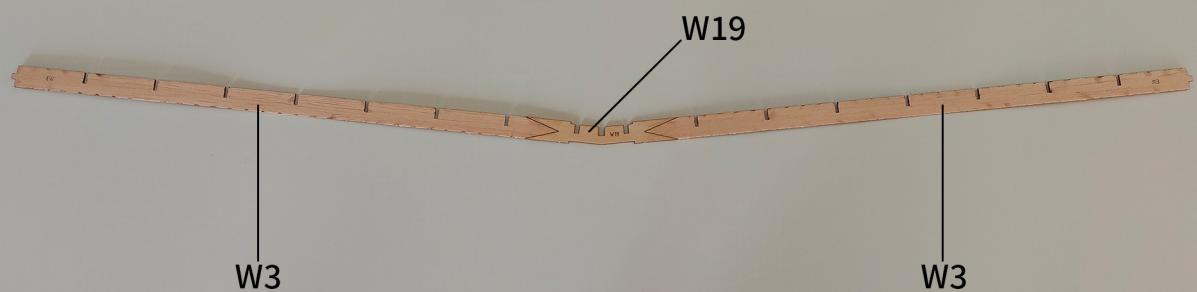
2. WING ASSEMBLY

1

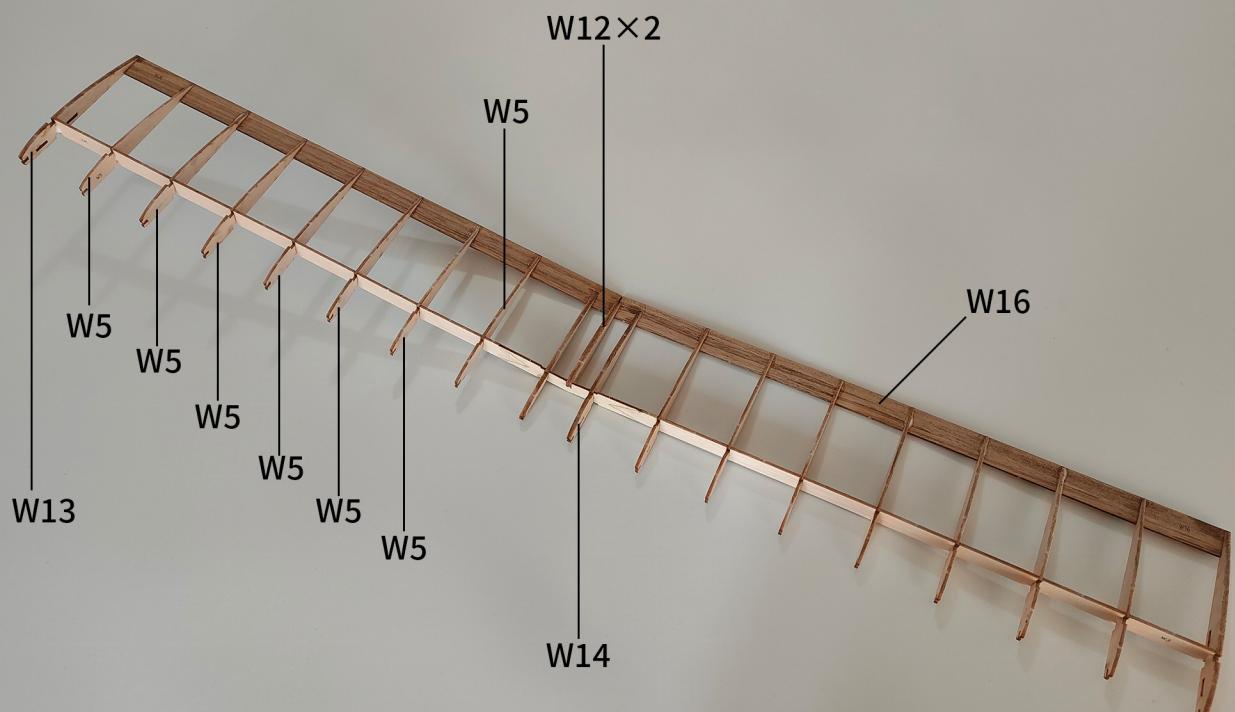


All parts that need to be spliced need to be aligned using a ruler during the bonding process to prevent deformation.

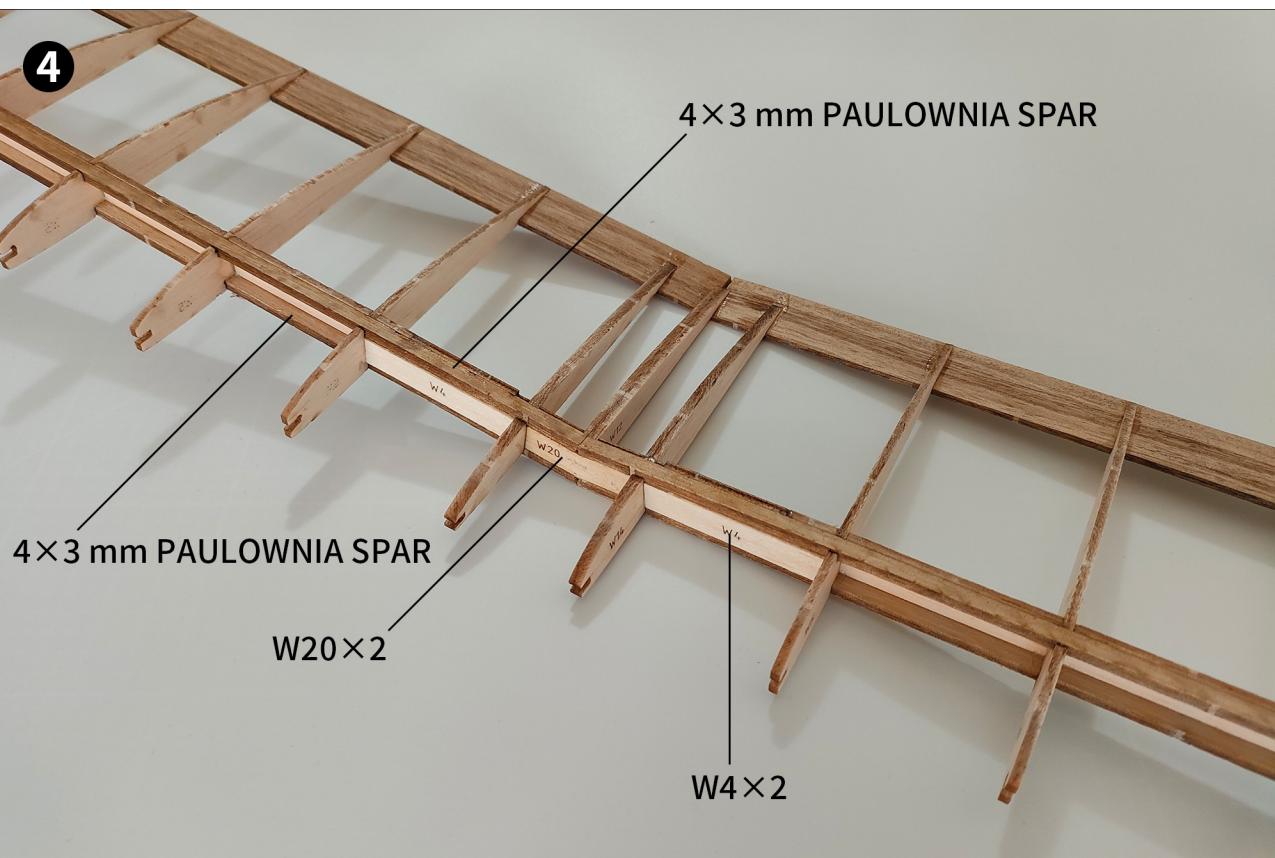
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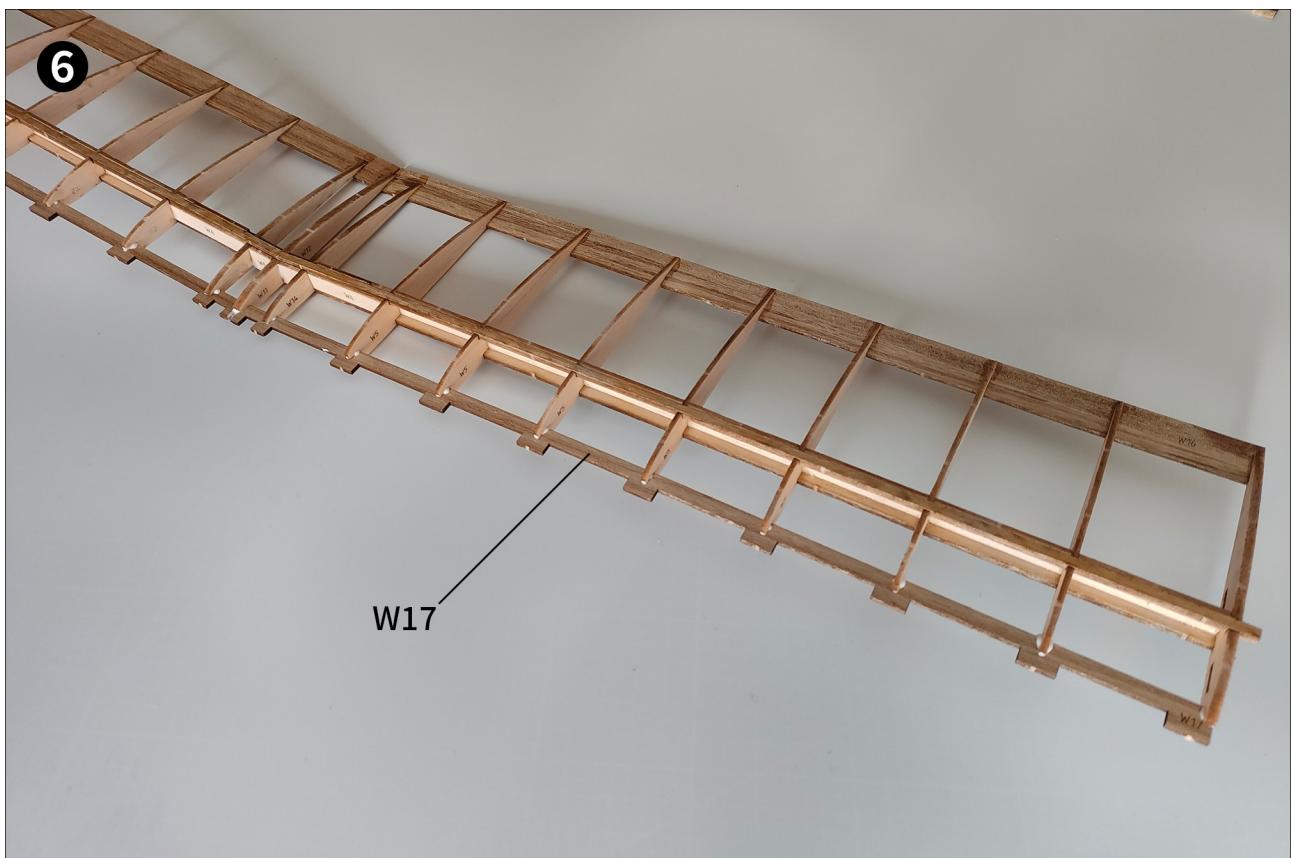
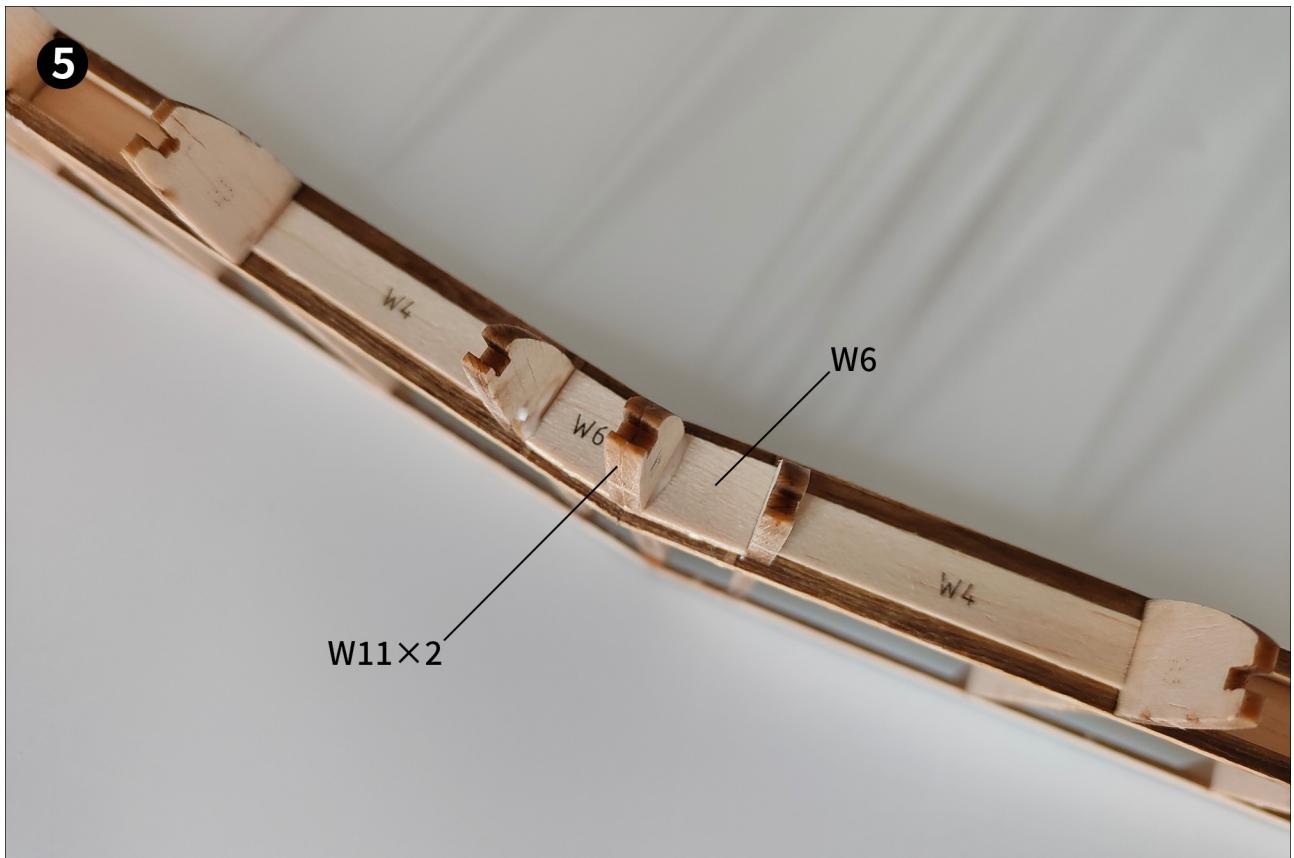


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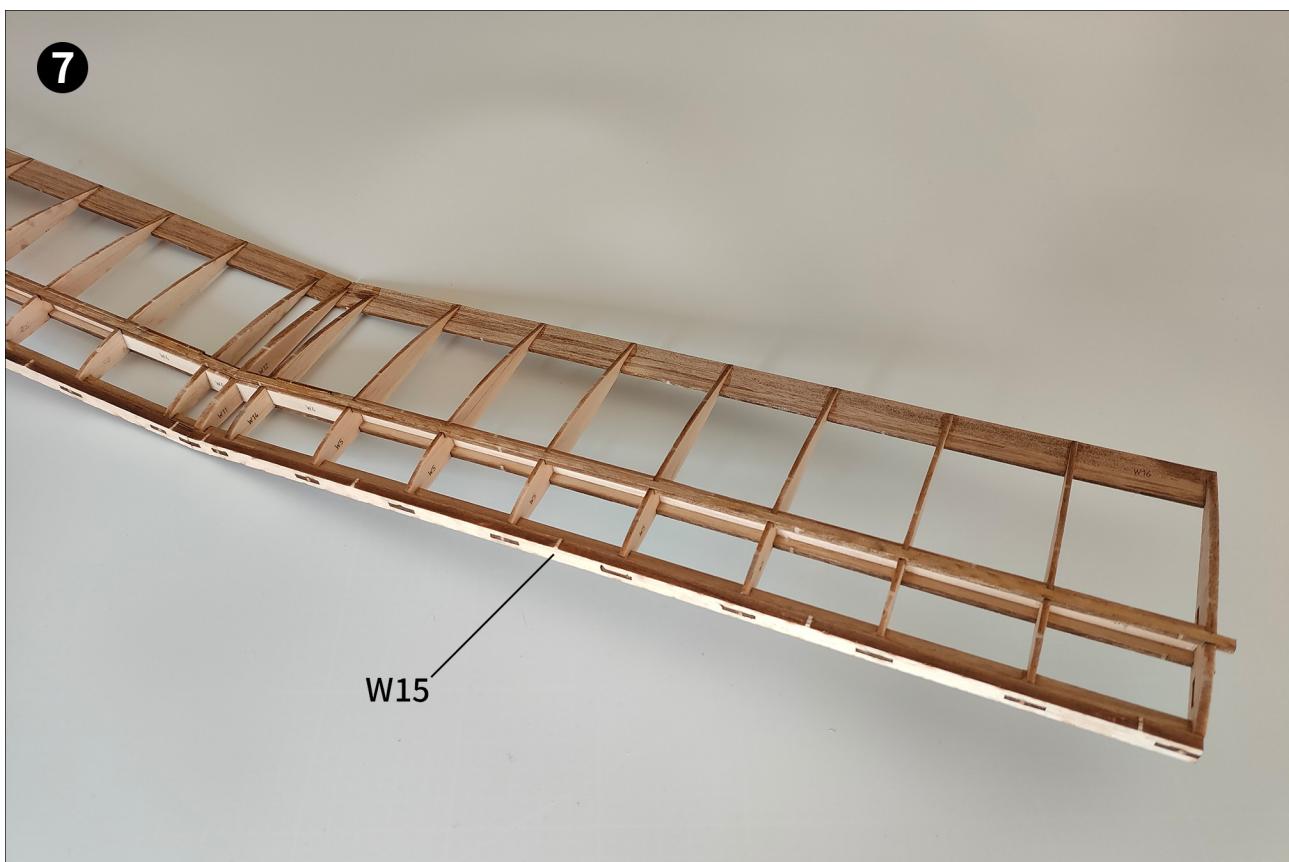


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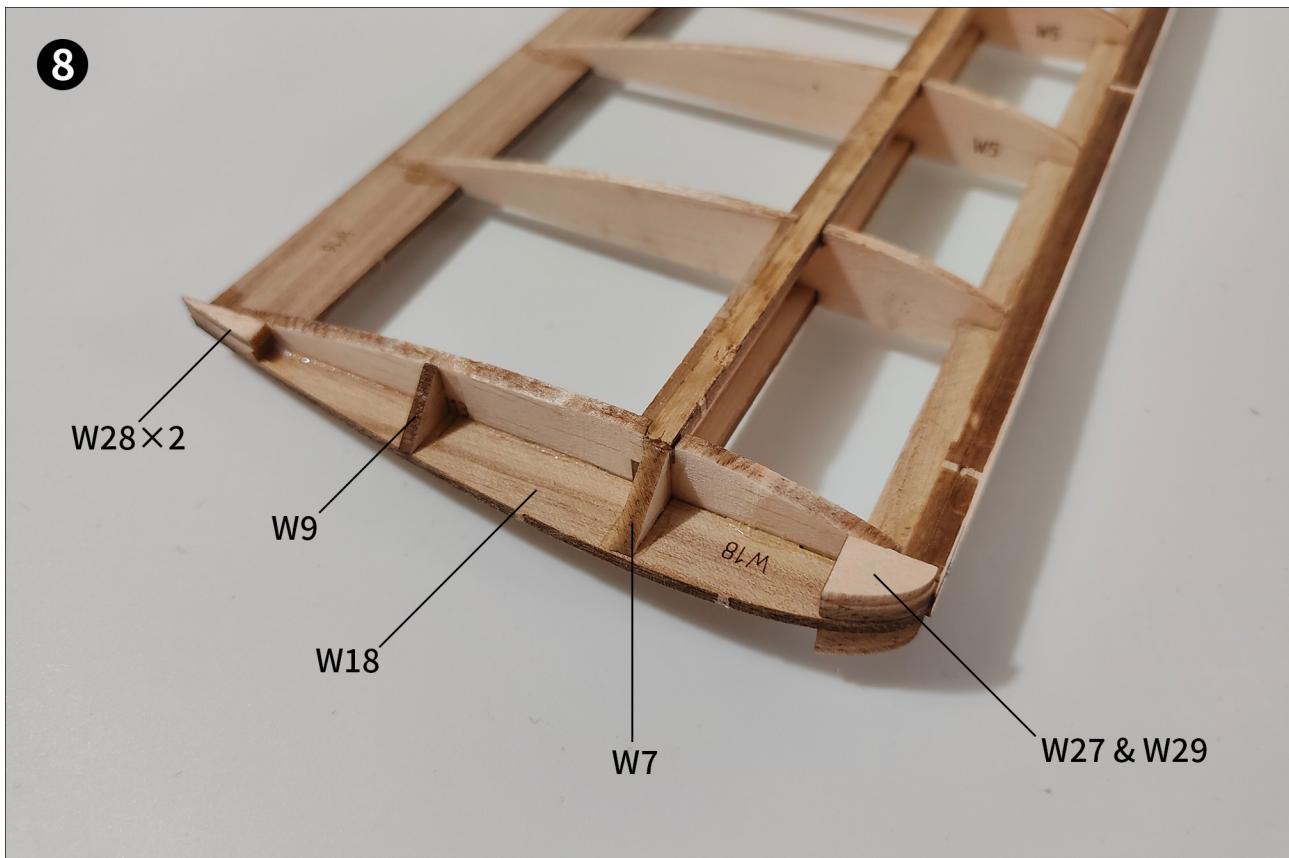




7



8

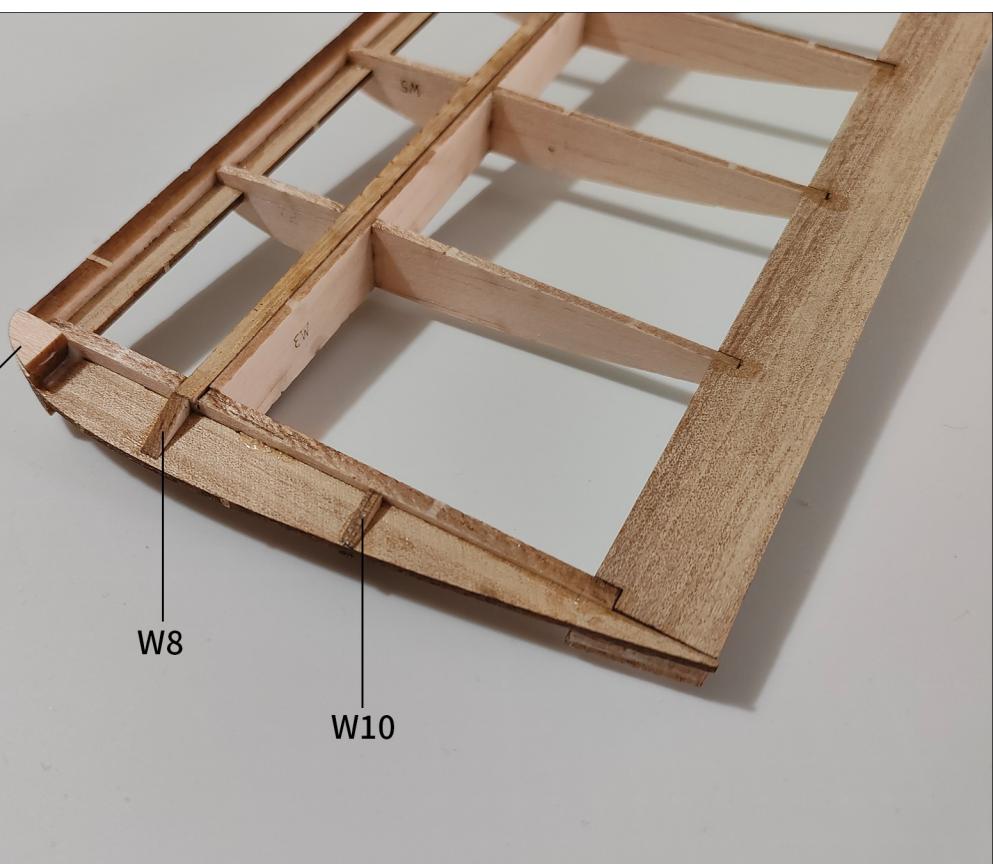


9

W27 & W29

W8

W10



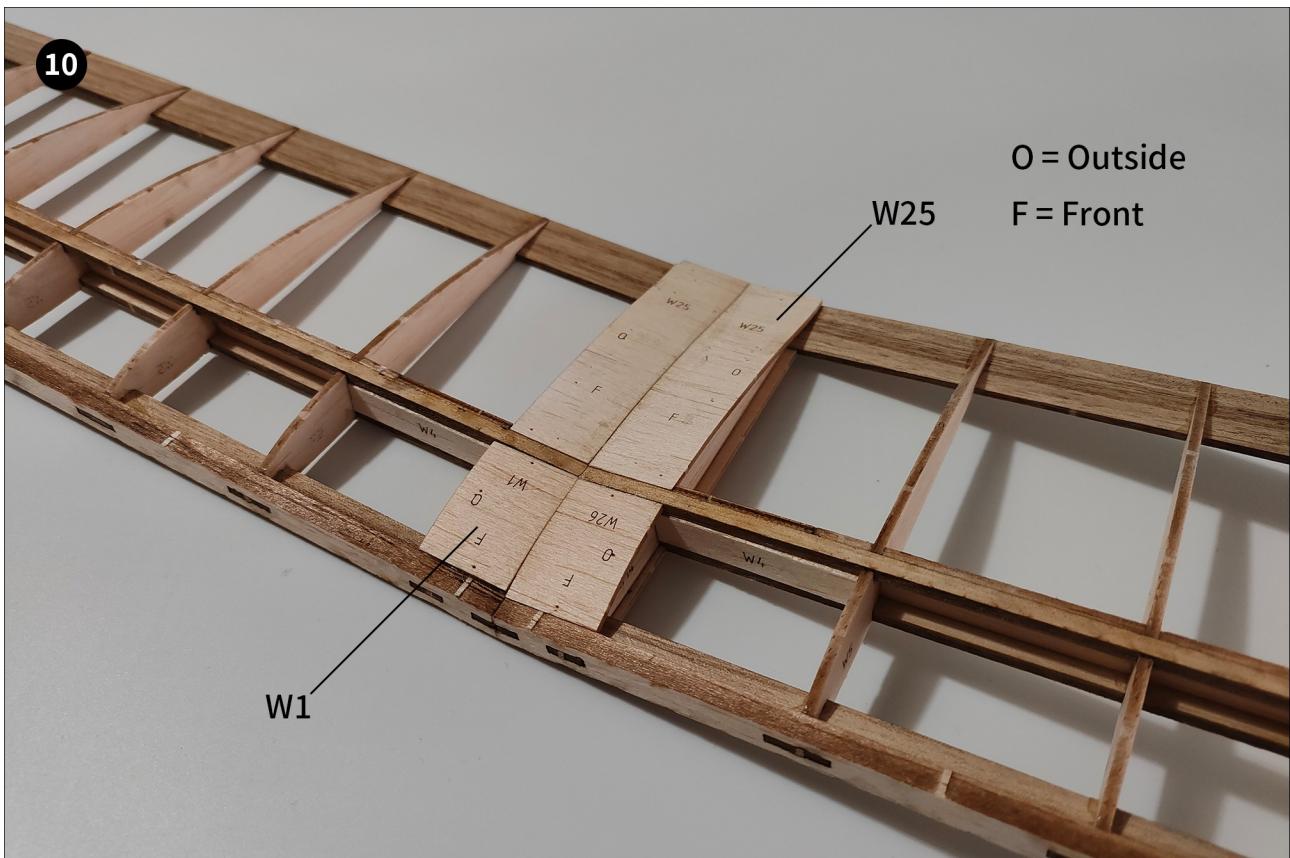
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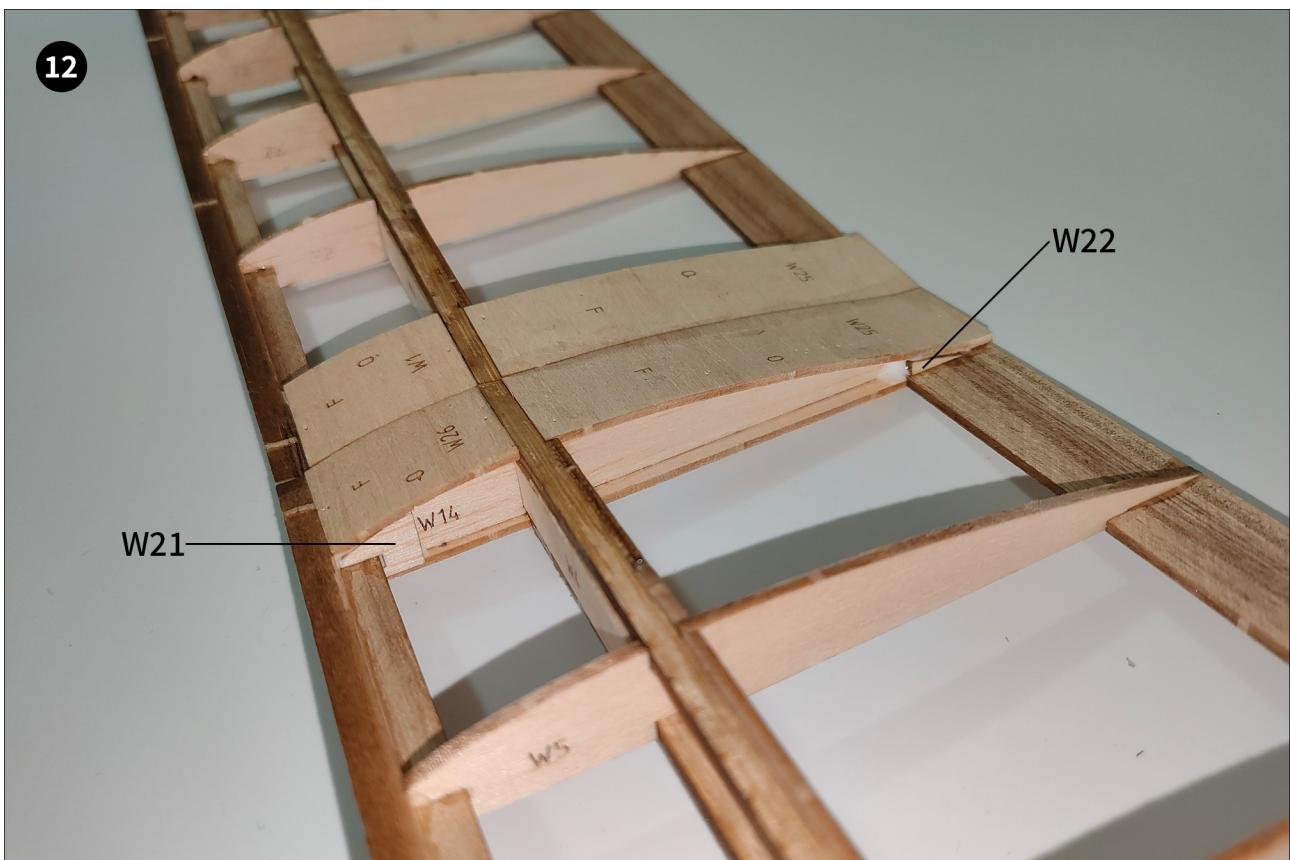
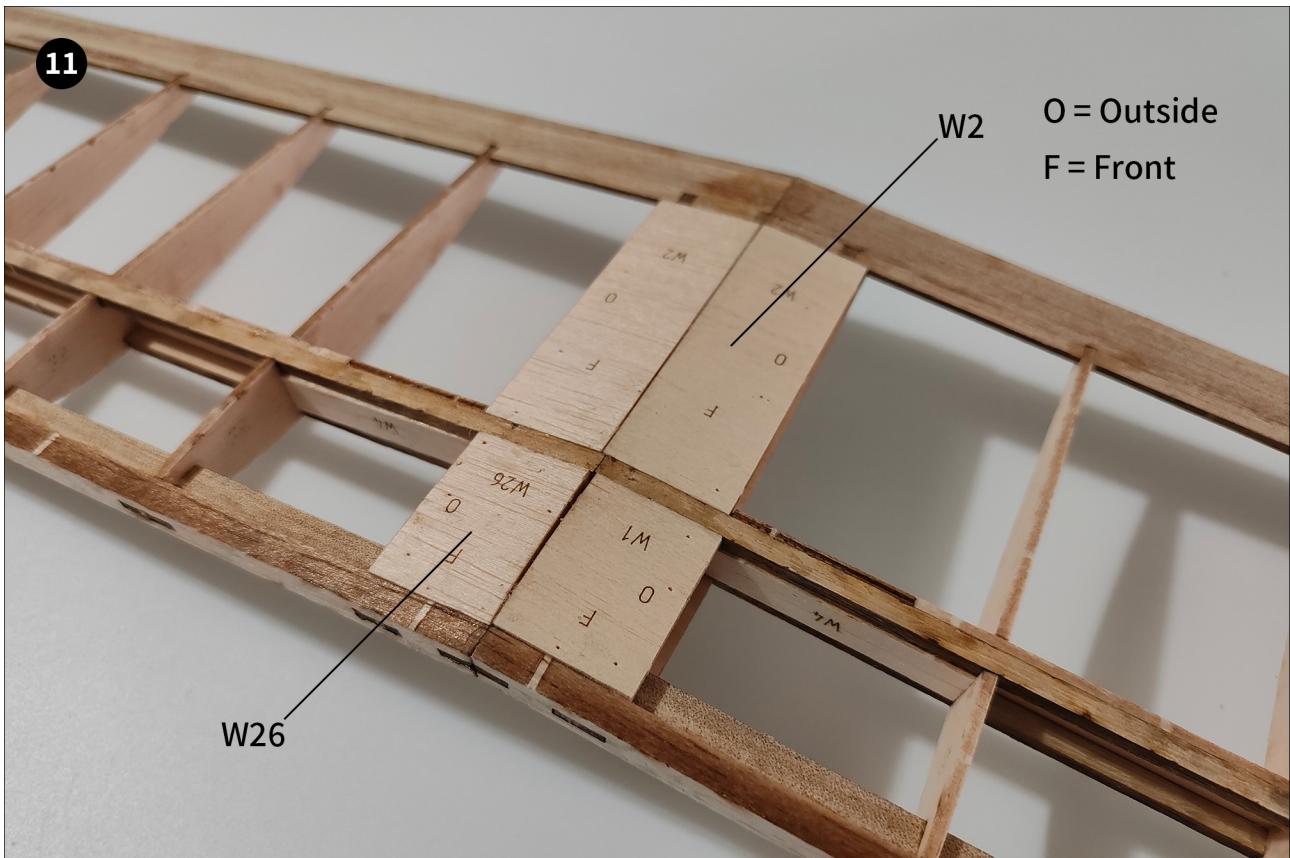
O = Outside

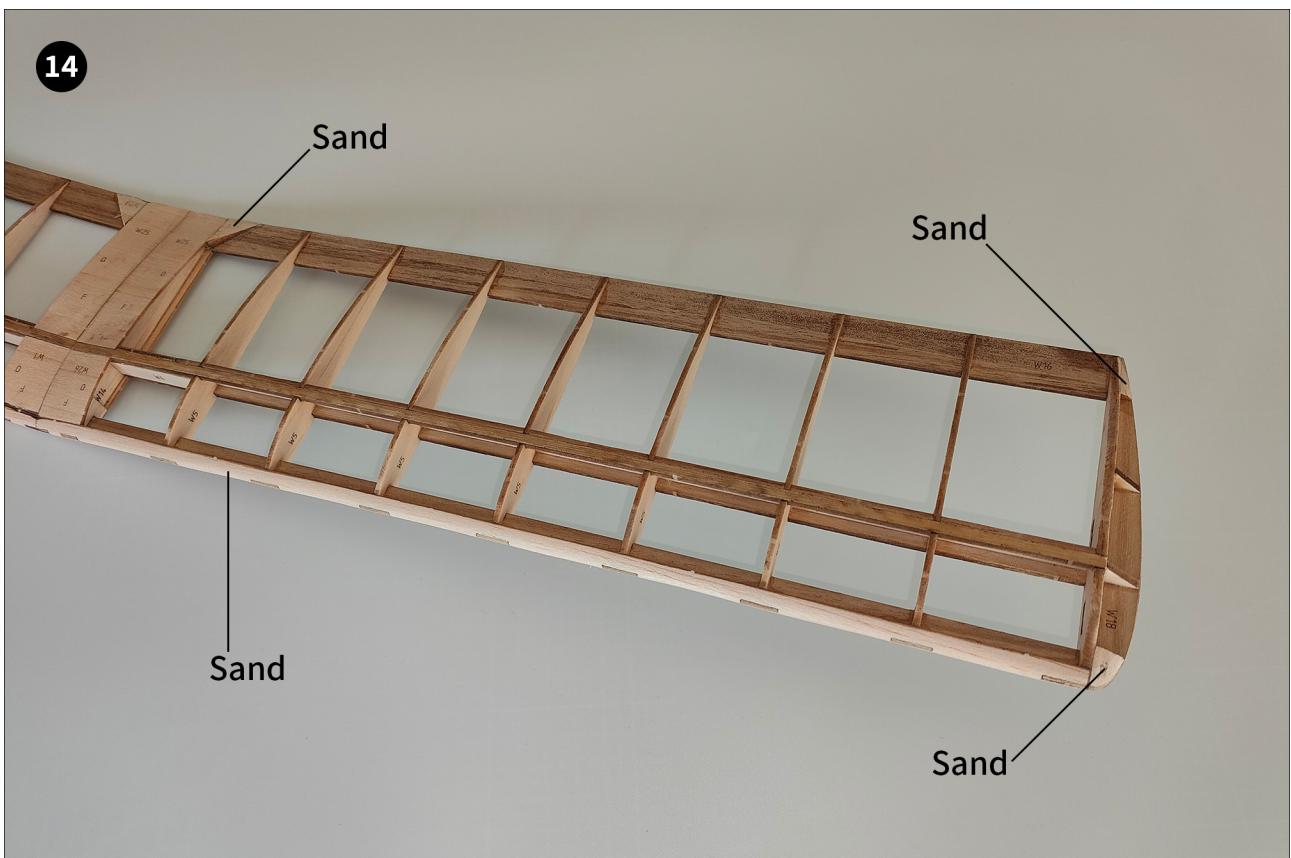
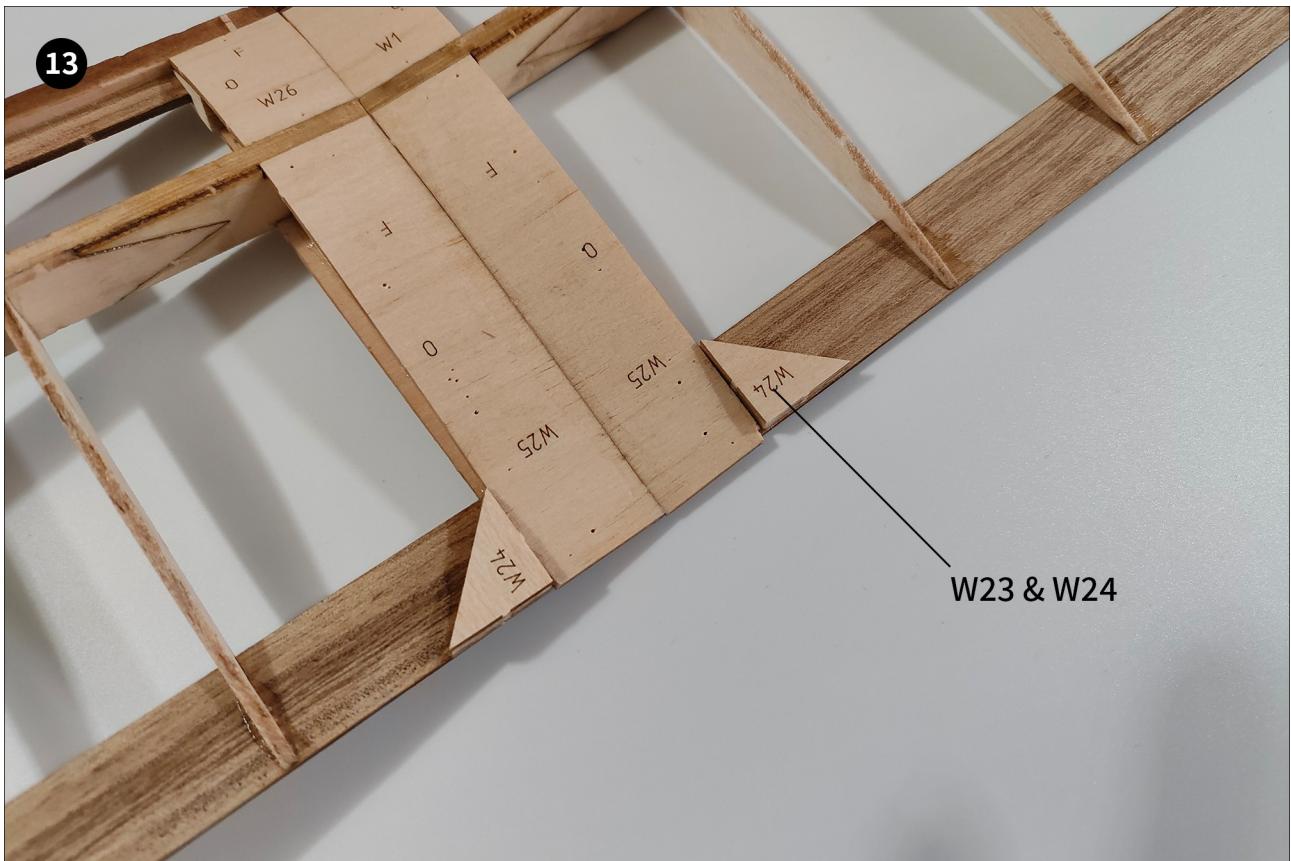
F = Front

W25

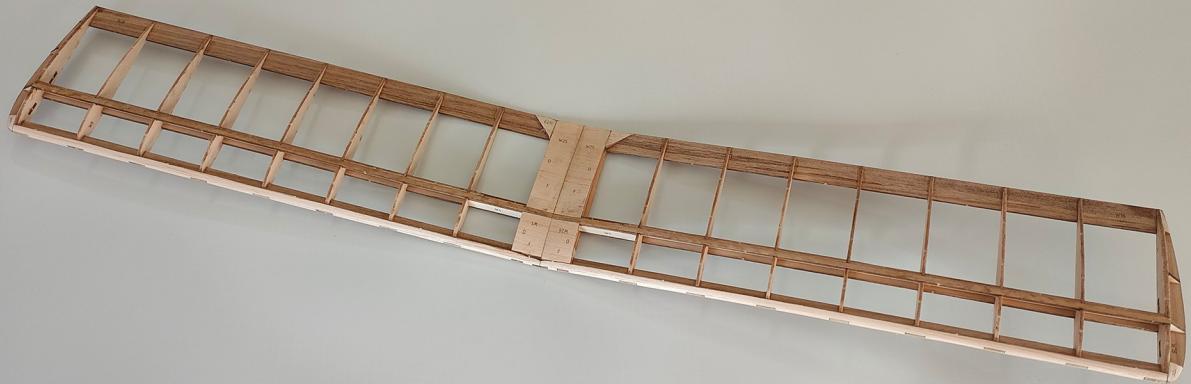
W1





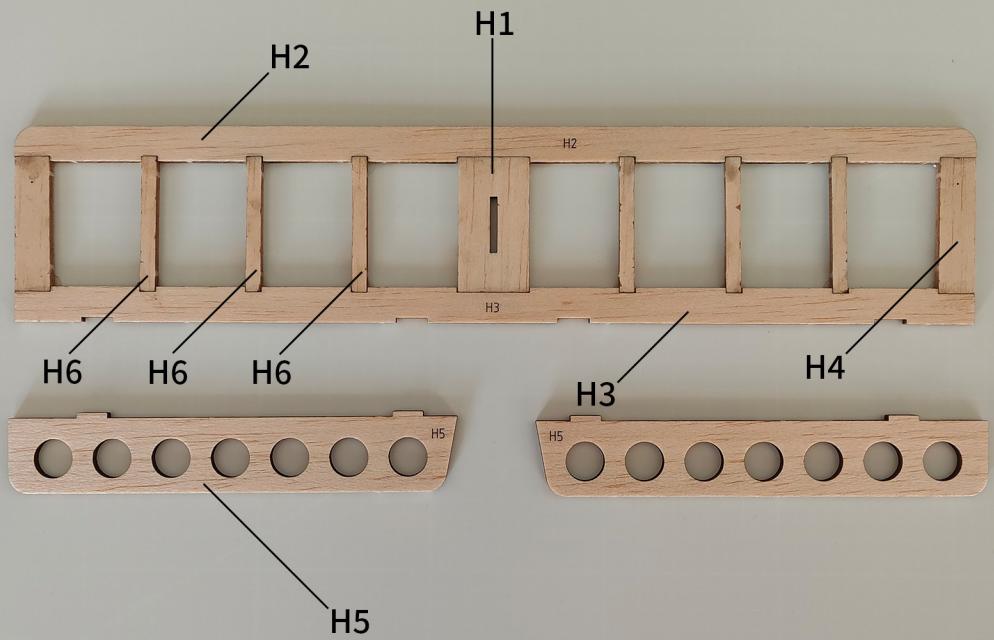


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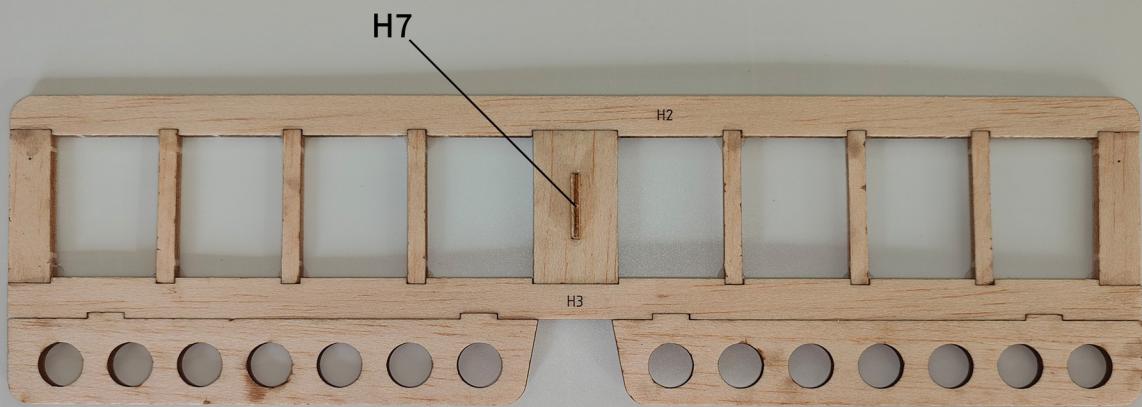


3. HORIZONTAL STABILIZER ASSEMBLY

1

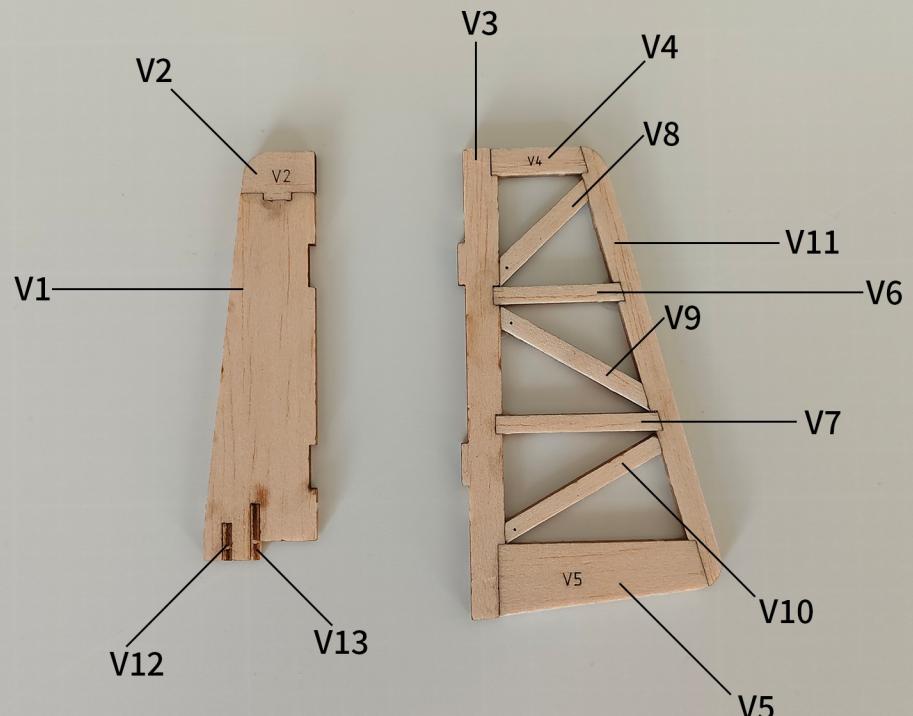


2



4. VERTICAL STABILIZER ASSEMBLY

1



2

