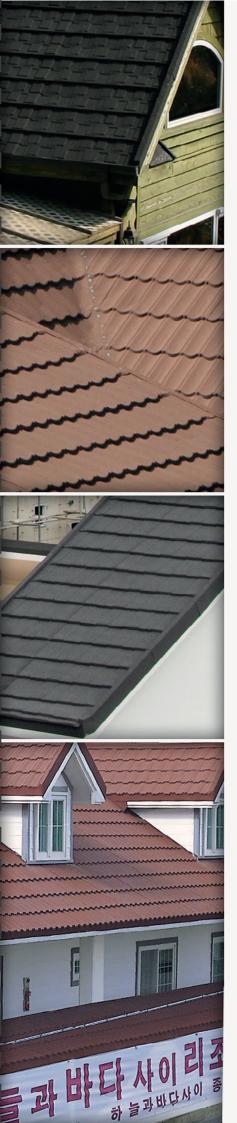
BESTIME

(Batten type) INSTALLATION GUIDE - VENETO 2, RIO, RIO EZ, ZISSEN, WOOD, DIVA, SLATE





INSTALLATION GUIDE

for Batten type

- VENETO 2, RIO, RIO EZ, DIVA, WOOD, ZISSEN, SLATE

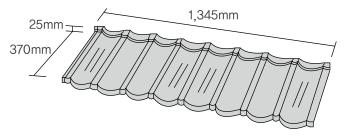
Contents

- 1. Veneto 2, Rio, Rio EZ, Diva, Wood, Zissen, Slate Spec
- 2. Nailing Position
- 3. Auxiliary
- 4. Nailing Technique
- 5. Steel Roof Tile Spacing
- 6. The way how to install roof tile on concrete or wooden roof frame
- 7. Side View
- 8. The way how to install roof tile on Sandwich panel roof frame.
- 9. Batten Installation
- The roof tiles can be installed over existing roofs.
- Mininmum Slope is 4/12.
- Battern System can be installed with or without solid sheathing. No Batten System requires Solid Sheathing.
- Some type of underlayment is always required. The underlayment shall be equivalent or superior to a #30 saturated felt or better. In a re-roof application, the existing asphalt shingles can serve as the underlayment.

BESTIME -

1. Rio Specifications

- Overrall length : 1,345mm (±5mm)
- length of cover : 1,280mm
- With of cover : 370mm
- Upstand : 25mm
- Roof cover/Tile : 0.473 m²
- Tiles : 2.11/m²
- Weight/Tile : 2.6~2.7kg



Rio EZ Specifications

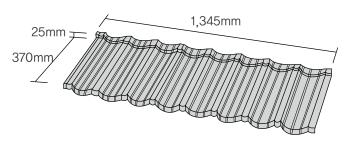
- Overrall length : 1,345mm (±5mm)
- length of cover : 1,280mm
- With of cover : 370mm
- Upstand : 25mm
- Roof cover/Tile : 0.473 m²
- Tiles : 2.11/m²
- Weight/Tile: 2.6~2.7kg

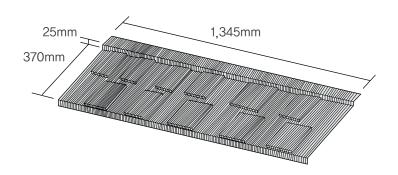
Diva Specifications

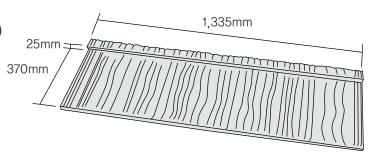
- Overrall length : 1,345mm (±5mm)
- length of cover : 1,280mm
- With of cover : 370mm
- Upstand : 25mm
- Roof cover/Tile : 0.473 m²
- Tiles : 2.11/m²
- Weight/Tile : 2.6~2.7kg

Wood Specifications

- Overrall length : 1,335mm (±5mm)
- length of cover : 1,280mm
- With of cover : 370mm
- Upstand : 25mm
- Roof cover/Tile : 0.473 m²
- Tiles : 2.11/m²
- Weight/Tile: 2.55~2.65kg









Zissen Specifications

- Overrall length : 1,365mm (±5mm)
- length of cover : 1,280mm
- With of cover : 370mm
- Upstand : 25mm
- Roof cover/Tile : 0.473 m²
- Tiles : 2.11/m²
- Weight/Tile : 2.6~2.7kg

Veneto 2 Specifications

- Overrall length : 1,285mm (±5mm)
- length of cover : 1,215mm
- With of cover : 380mm
- Upstand : 25mm
- Roof cover/Tile : 0.4617 m²
- Tiles : 2.17/m²
- Weight/Tile : 2.5~2.6kg

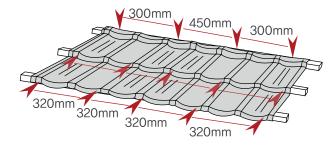
SLATE Specifications

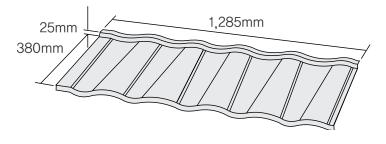
- Overrall length : 1,340mm (±5mm)
- length of cover : 1,290mm
- With of cover : 370mm
- Upstand : 20mm
- Roof cover/Tile : 0.473 m²
- Tiles : 2.11/m²
- Weight/Tile : 2.6~2.7kg

2. Nailing Position

- Warning : Avoid nailing in places with electrical wiring above or below.
- Roof : For each square meter of roof tile, use 1kg of fastener.

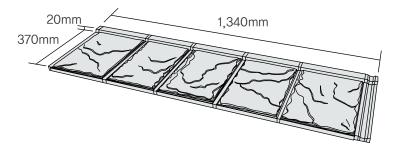
When you drive a fastener, fastener up in the first point of upcurve as marked in red. (There's a risk of water damage when you drive a fastener on downcurve.)



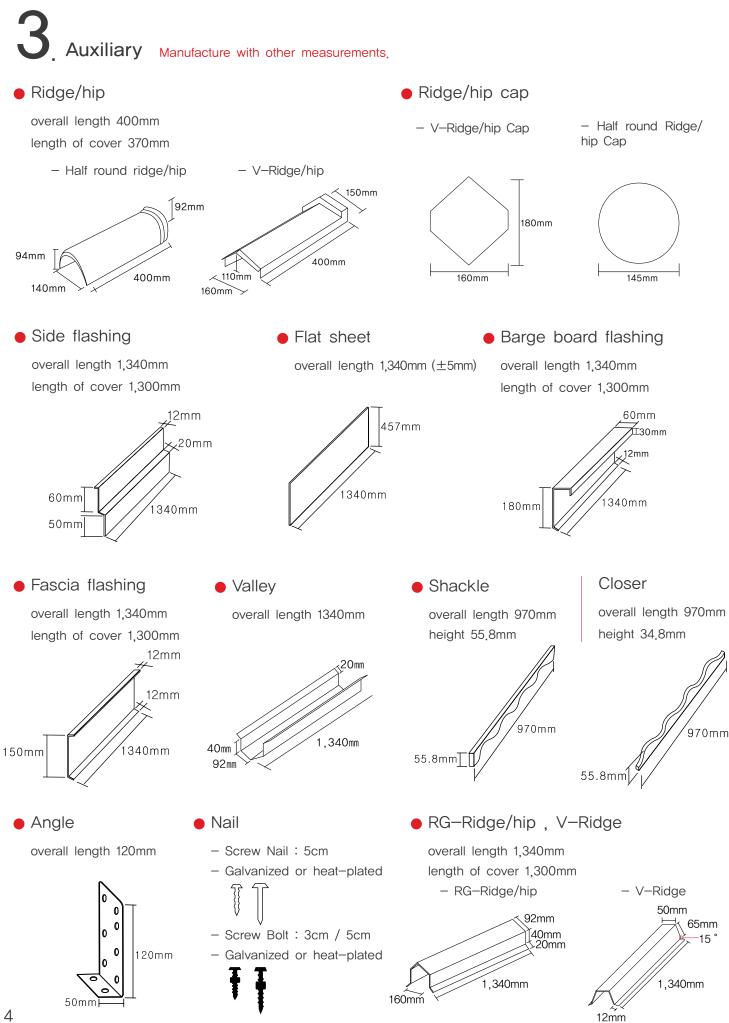


1.365mm

25mm 270mm /



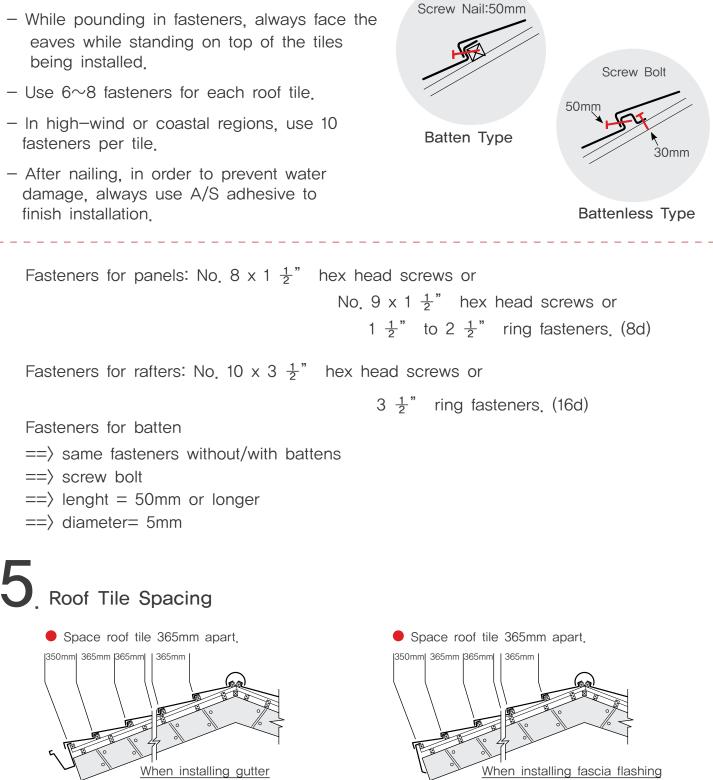
BESTIME



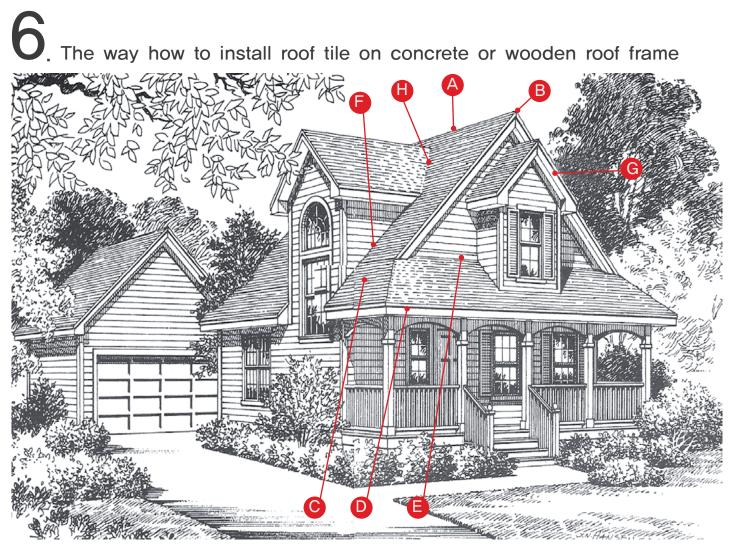


- The auxiliary pieces listed above can be custom-made to your measurements.
- Storage method : Always cover with a waterproof material.
- Packing : One pallet is 1.35m × 95m × 1.2m.
- pitch : The roof must be at least 15 degrees.
- in coastal or high-wind areas, use 9-layer galvanized or zinc-coated plates.

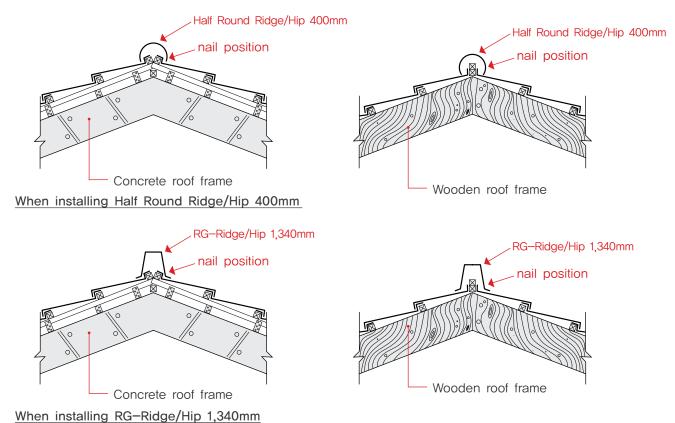
4. Nailing Technique



BESTIME -



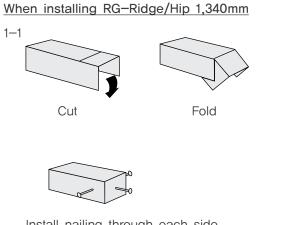
A. Ridge and Ridge Boards

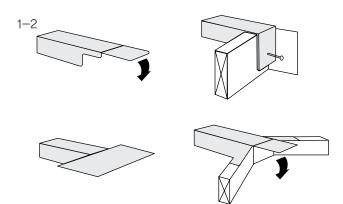


6



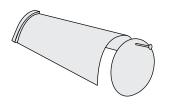
B. Ridge and - Finish



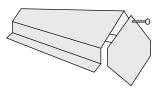


Install nailing through each side

When installing Half Round Ridge/Hip 400mm



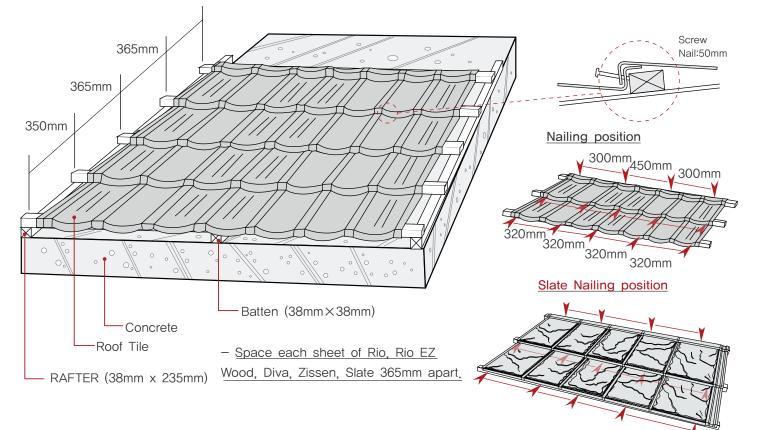
When installing V-Ridge 1,340mm



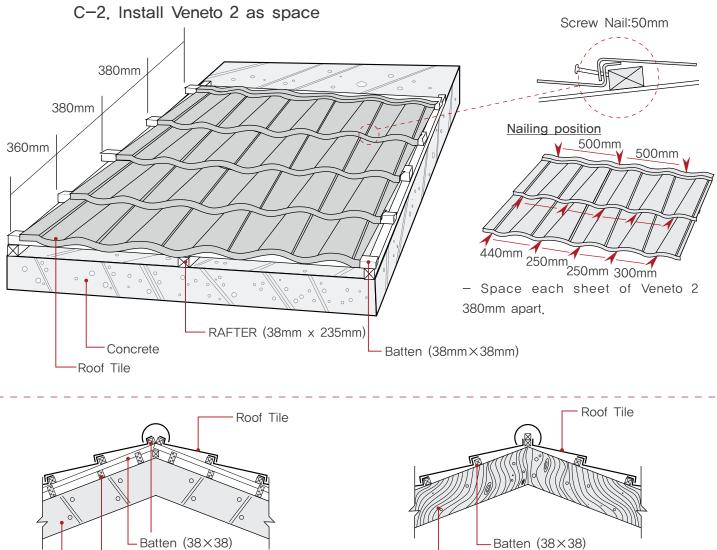
- Finish with the end part with Half Round - Finish with the end part with V-Ridge/Hip Ridge/Hip Cap.

Cap.

C-1. Install Rio, Rio EZ, Wood, Diva, Zissen, Slate as space

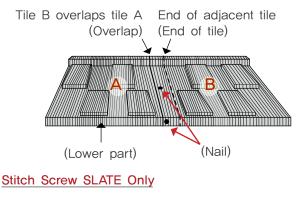


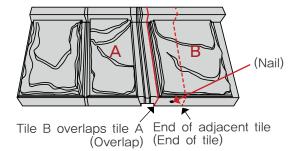


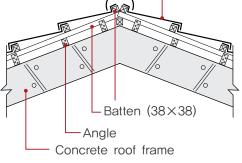


- Wooden roof frame

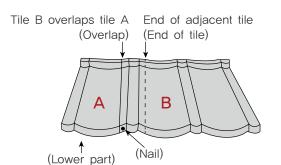
Stitch Screw DIVA Only



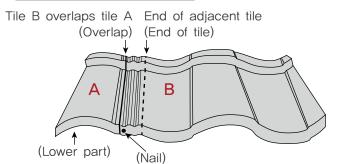




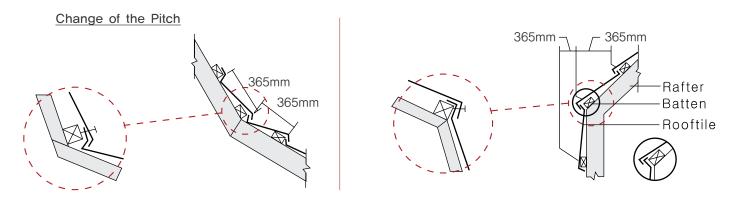
Fasteners

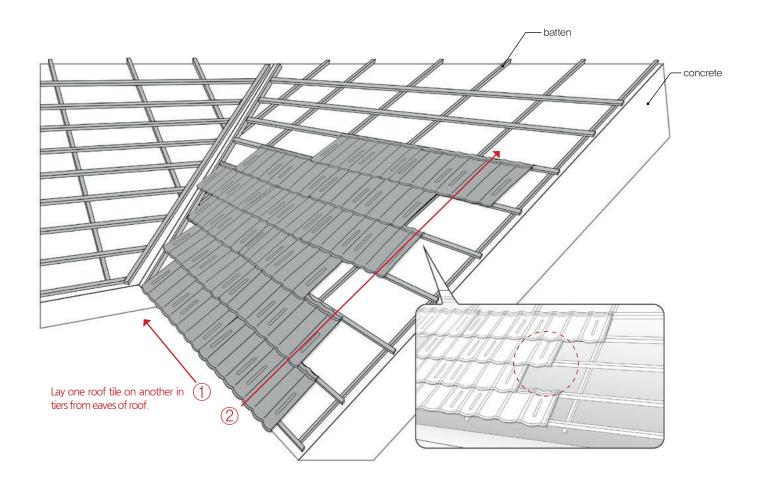


Stitch Screw VENETO 2 Only

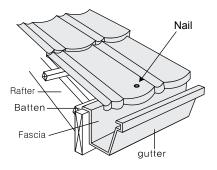




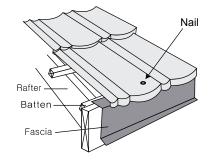


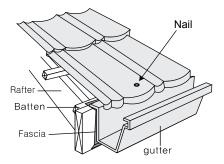


D. Fascia flashing



When installing gutter system





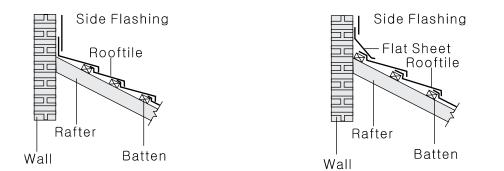
When installing fascia flashing

When installing fascia+gutter flashing



E. Dutch gables

Insert the top edge of the roof tile or a piece of sheet metal inside the side flashing.



F. Junctions with vertical faces

In the case of a side of roof tile at the boundary with vertical wall, connect roof tile with vertical wall and finish vertical wall with Side Flashing.

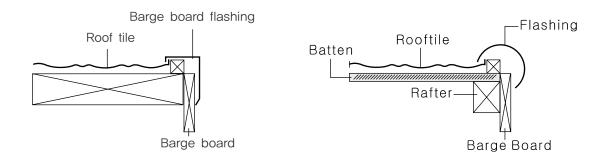
If there's a valley in which water flows at the boundary with vertical wall, install gutter.



G. Barge boards

When using side flashing, install the batten above the rafter and match the top of the barge board to the top of the batten.

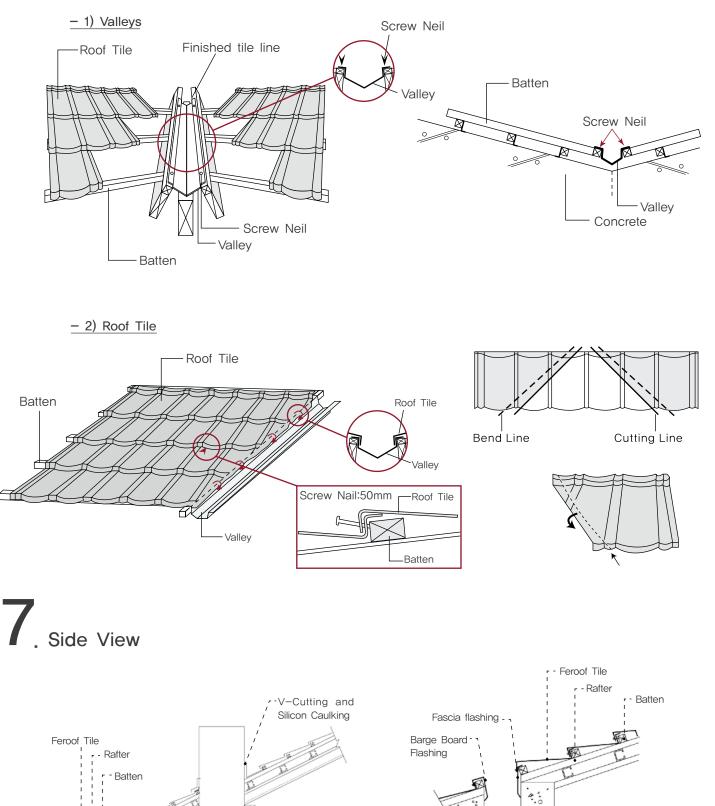
the edge of the steel roof tiles must be bent so that the part tucked into the side flashing is long enough to prevent water damage.





H. Valleys

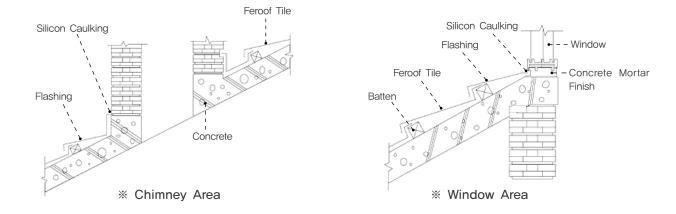
In the case of Rio, Rio EZ, Diva, Wood, Zissen, Veneto 2, Slate roof, finish valley with not valley flashing but bent flat sheet.



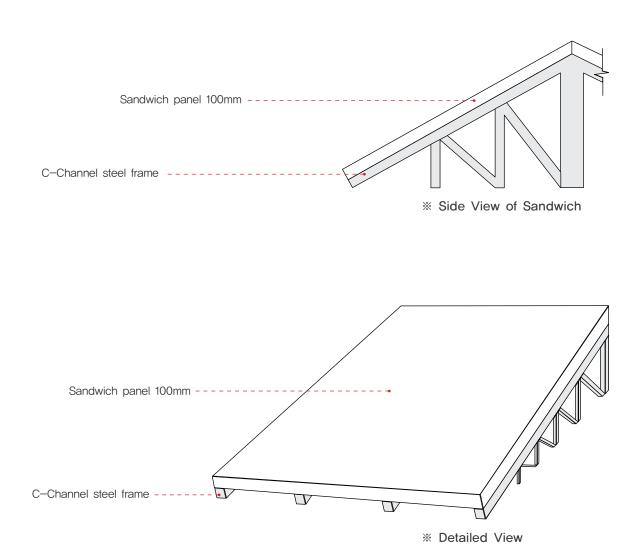
A. -

2.1



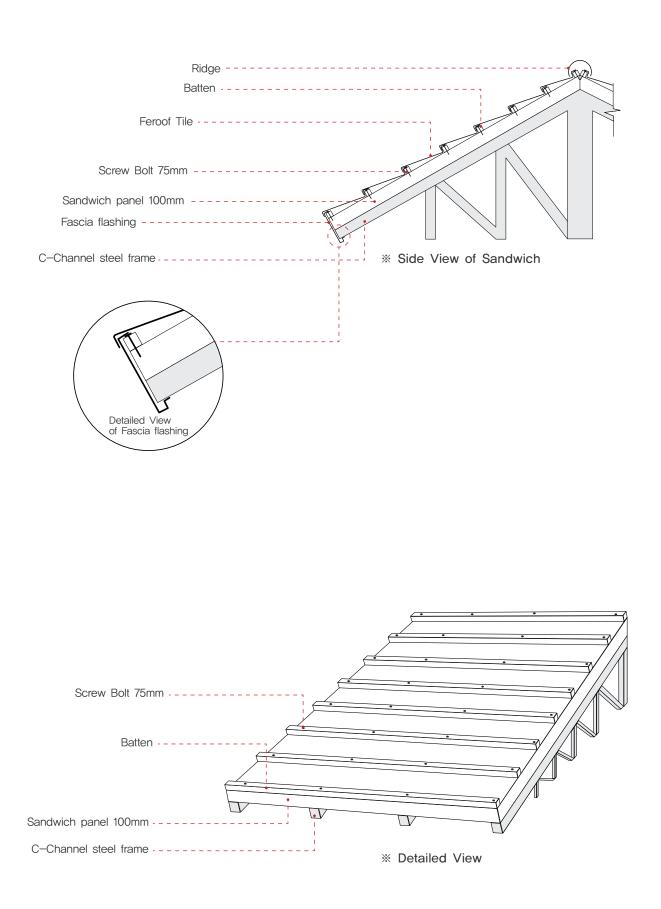


8. The way how to install roof tile on Sandwich panel roof frame * No. 1





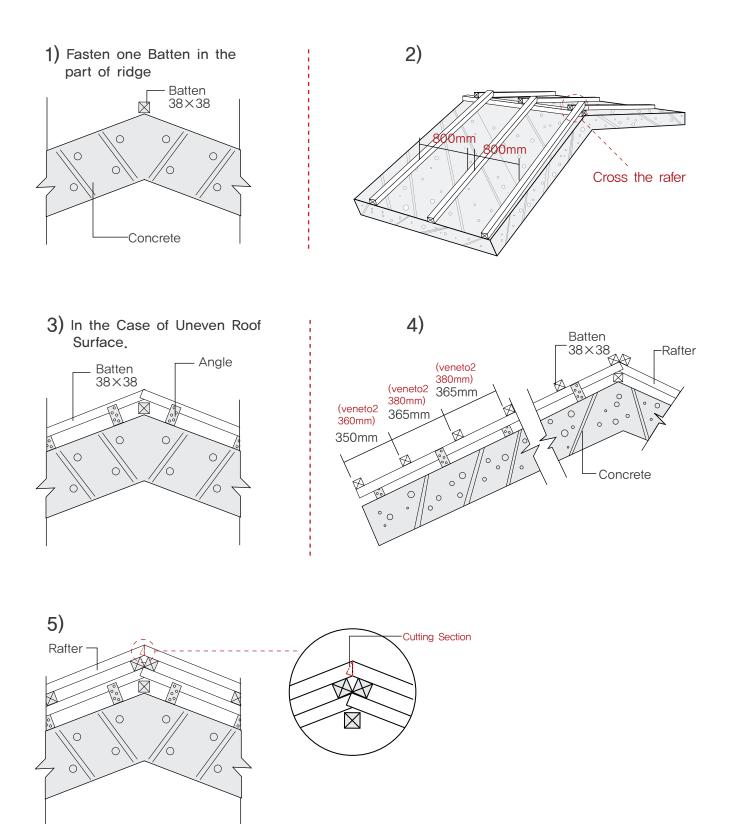
% No. 2 "Fix the Batten as Screw Bolt (75mm)"



BESTIME -

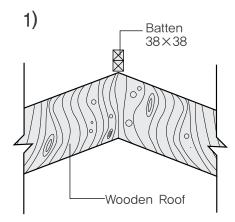
9. Batten Installation

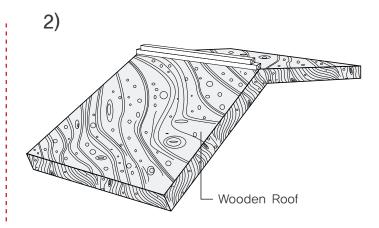
- Batten Installation for Concrete Roof

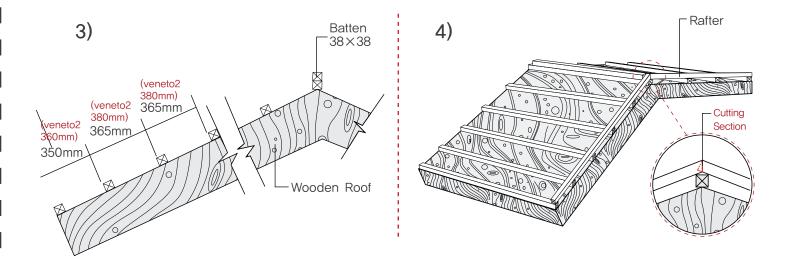


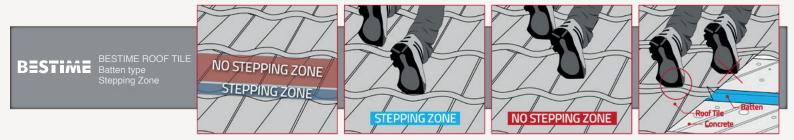


- Batten Installation for Wooden Roof









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