Pretty Plastic

building from waste

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FIRST ONE
INSTALLATION MANUAL

March 2024

INSTALLATION MANUAL

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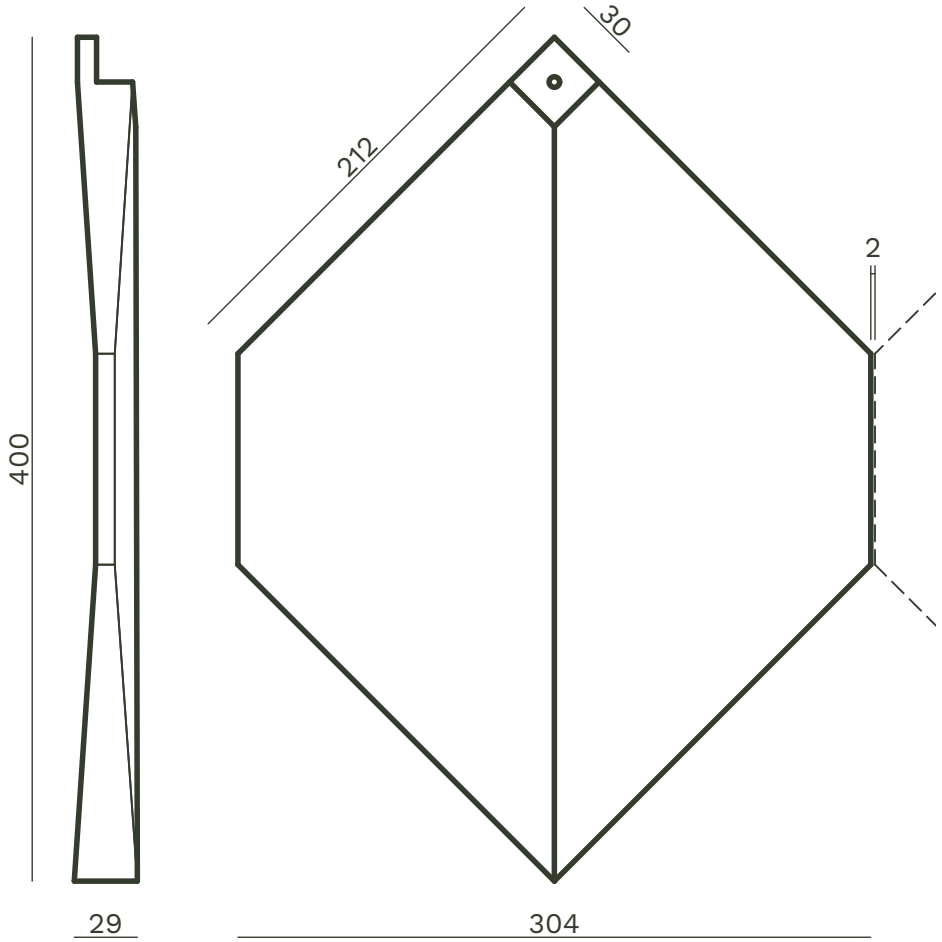
TECHNICAL DATA

HEIGHT	400mm
WIDTH	304mm
THICKNESS	29mm
NUMBER OF TILES PER M²	22.2
WEIGHT PER TILE	1.1kg
WEIGHT PER M²	24.4kg
MATERIAL	recycled Polyvinylchlorid (PVC)
FLAMMABILITY (EN 13501-1:2018)	B-s3,d0
PRODUCTION TOLERANCES	+/-2%



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PRODUCT
Pretty Plastic tiles are utilized in ventilated facades, catering to both renovation projects and newly constructed facades.

PROCESSING
Pretty Plastic can be cut or drilled without producing any splinters. Tiles can be cut using a jigsaw, circular saw, or handsaw. Collect sawing waste and cutting losses separately to prevent them from being blown away. Make sure to manage these waste materials properly.

APPLICATION
- Pretty Plastic tiles can be installed at angles up to a maximum of 45 degrees, given the application of a water-retaining layer.
- It's important to note that the structural engineer holds the final responsibility for ensuring the accurate installation and application of the tiles.

PAINTING
Please note that Pretty Plastic tiles are not intended for painting.

MAINTENANCE
Pretty Plastic is maintenance-free and can be cleaned using household cleaning products.

INSTALLATION
Pretty Plastic tiles should be attached to a wall with an underlying wooden structure composed of wooden slats (C18); these should have a minimum dimension of 24x48mm or 28x45mm, which are commonly available sizes in the EU.

- Install horizontal slats with a 150mm spacing on a vertical substructure set 600mm apart.
- The vertical substructure creates a ventilated cavity.
- Include ventilation openings at both the top and bottom ends of the facade.
- Secure each tile using either one or three screws, depending on the building's height and the local wind load according to NEN-EN 1991-1-4. Check our technical guide for detailed information.
- Between tiles a space of at least 2mm is advised.
- For corner ends and window frame connections, refer to the proposed detail drawings for various possible solutions.

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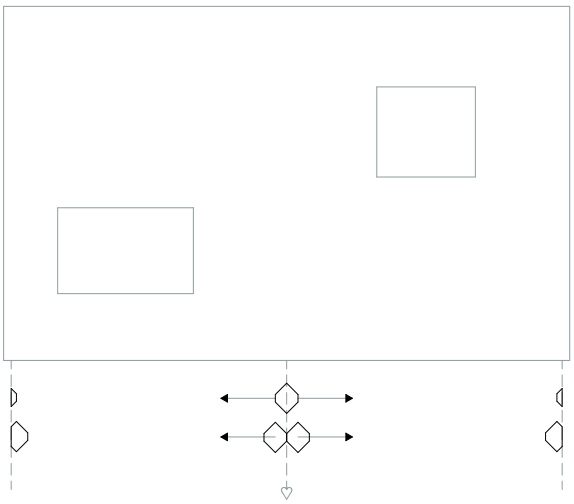
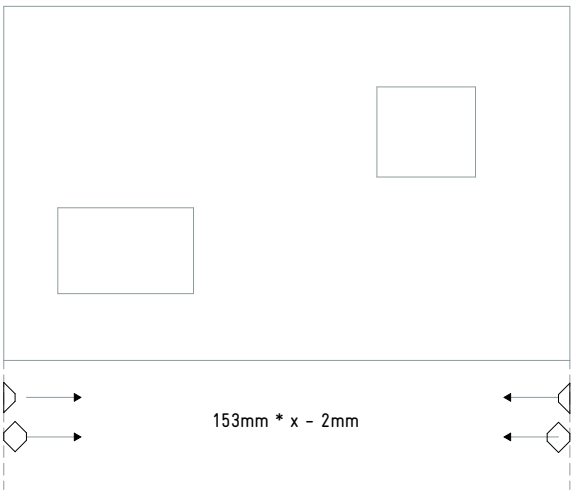
DESIGN SUGGESTIONS



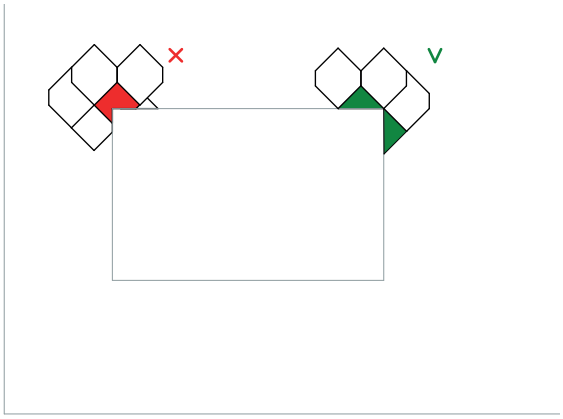
OPTION A

- Begin from the middle, ensuring two identical corner endings.
- Ideal when utilizing a corner profile.



OPTION B

- Begin from a corner, utilizing a complete (and half) tile to achieve a tidy corner.
- If necessary, add an additional 3mm gap between the tiles (153mm will then be 154mm, 155mm or 156mm).



WINDOW CORNERS

Try to cut the tiles in a single direction rather than sawing a corner.

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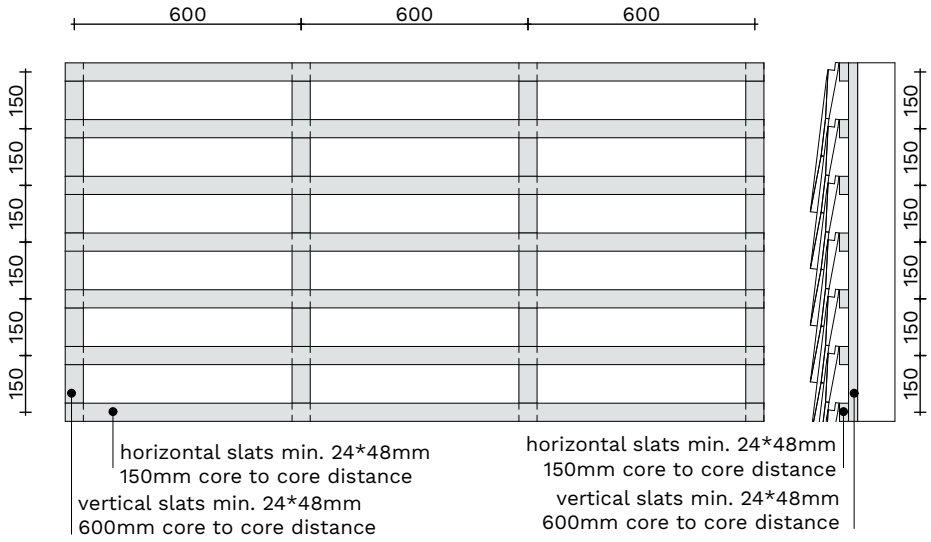
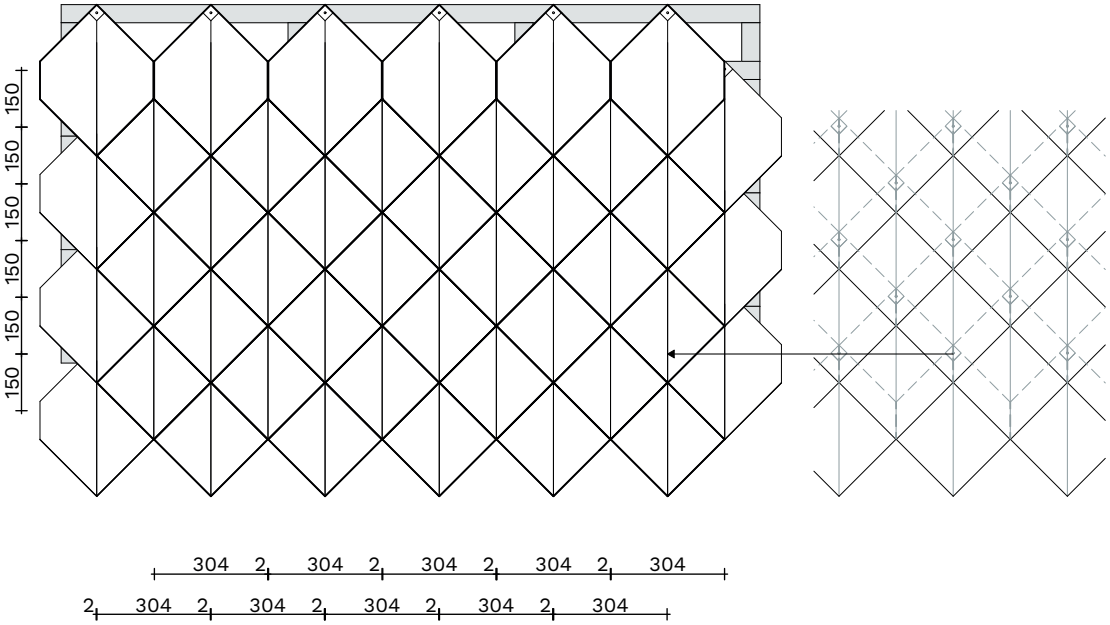
WOODEN STRUCTURE



TILE PATTERN



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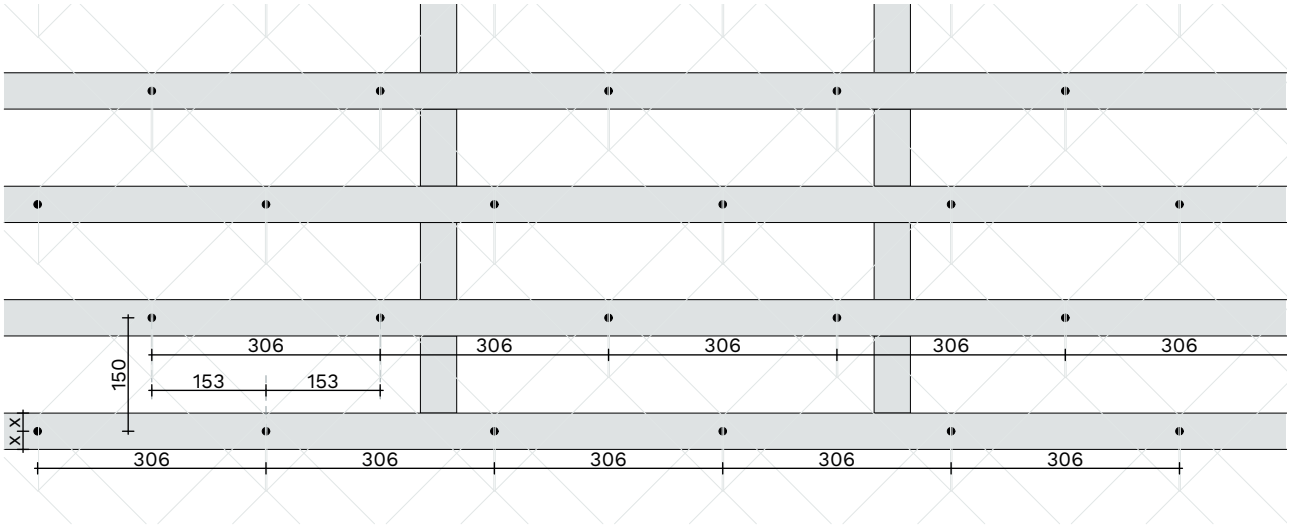
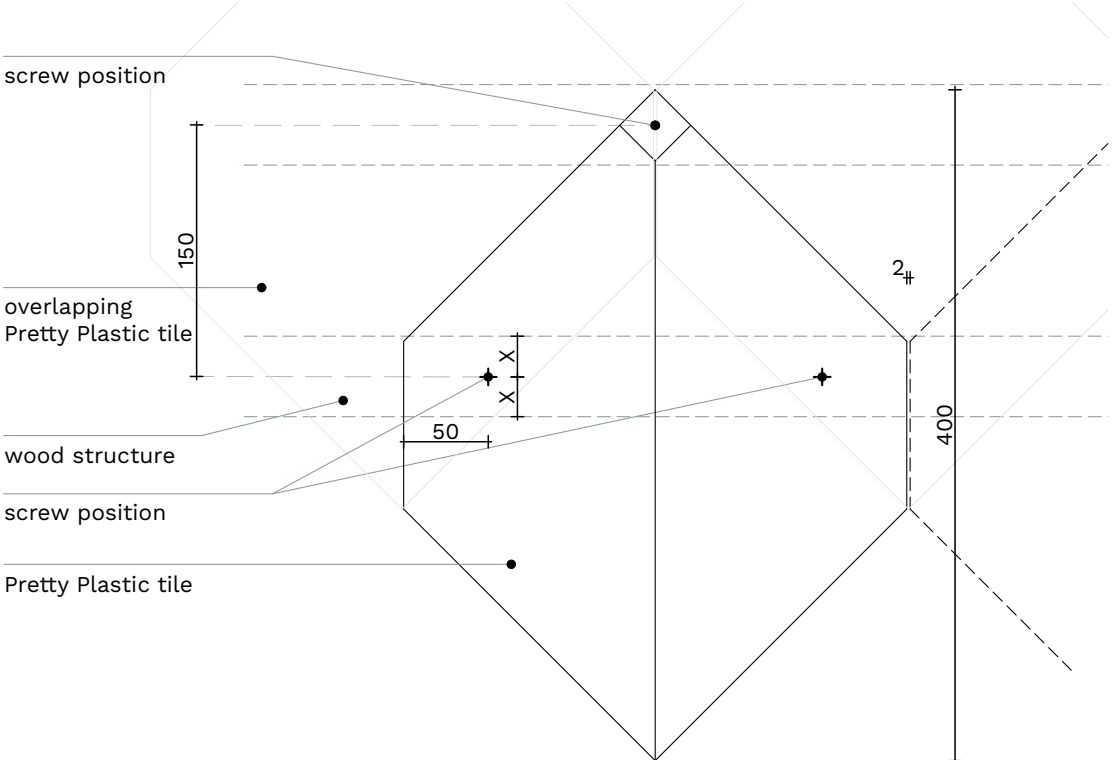
MEASURE PLAN



SCREW POSITIONS



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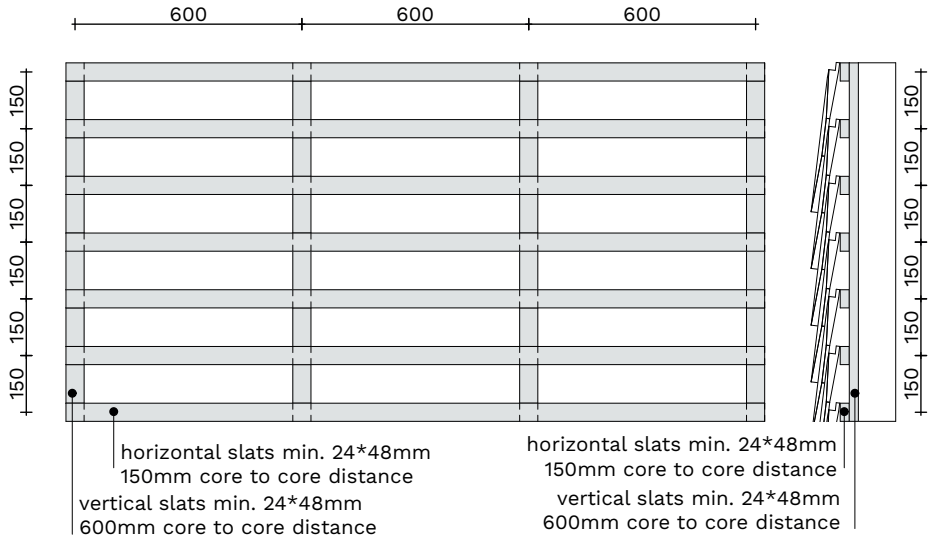
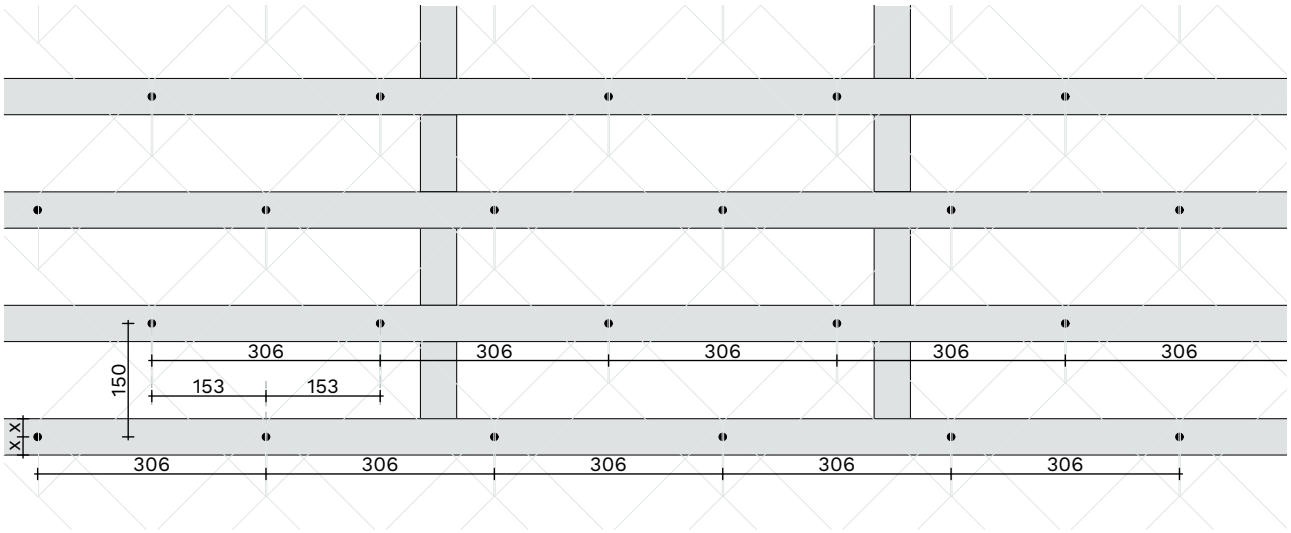
STEP 1



1. Construct a wooden framework in front of the (insulated) wall.

STEP 2



2. Determine the starting point based on the corner detail (details d12-d16) and follow the design instructions (p 4).

Mark screw points on the wooden structure.

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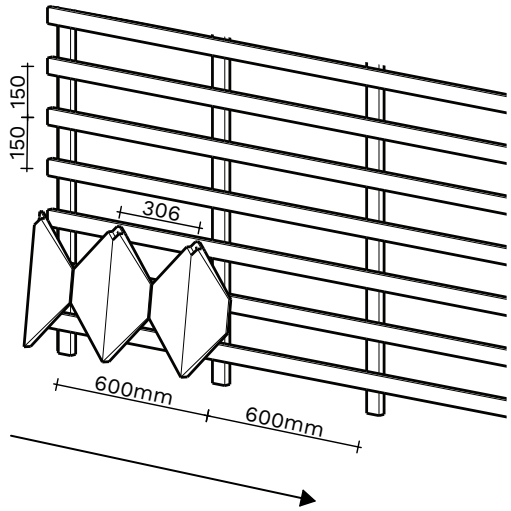
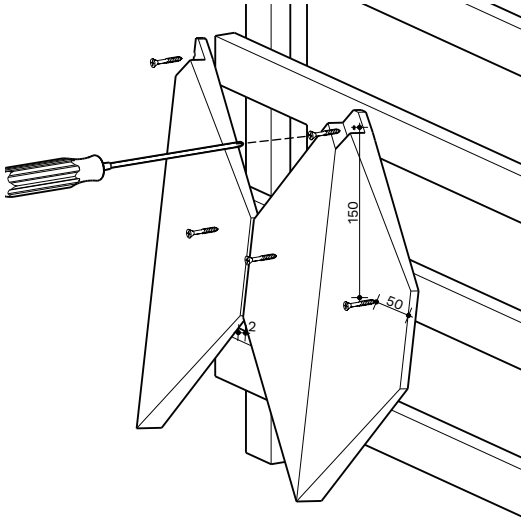
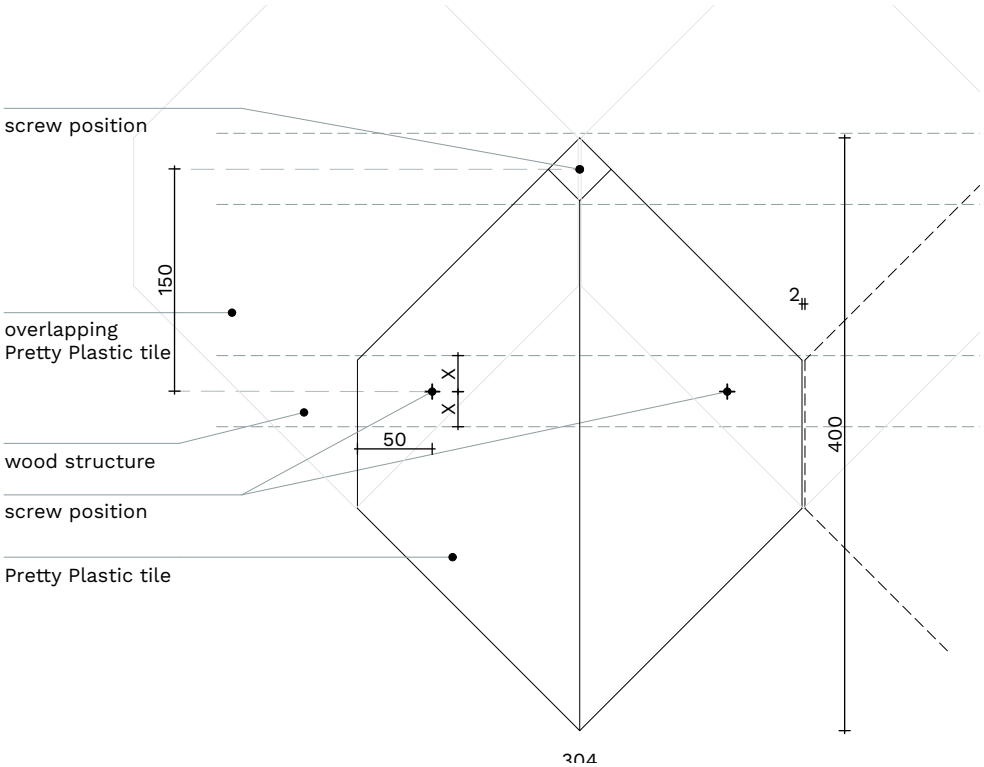
STEP 3





3. Begin at the left bottom corner or the middle of the bottom row. Install and screw in the bottom row, using three screws per tile.



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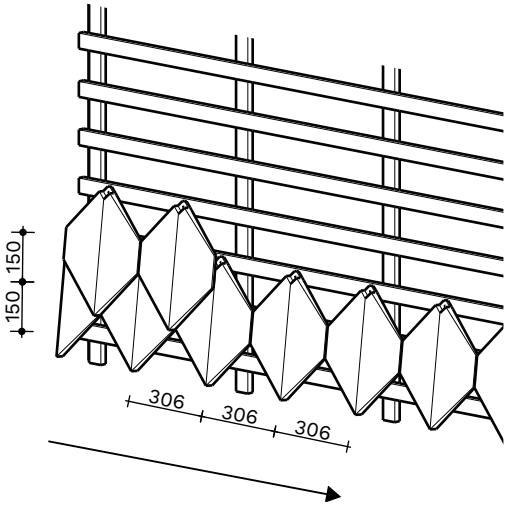
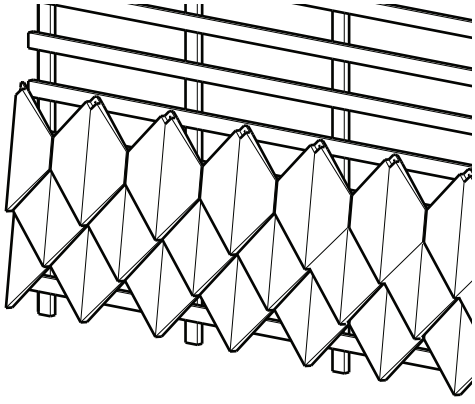
STEP 4



4. Continue with the next rows. Tiles can be cut to fit as necessary.



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principle details

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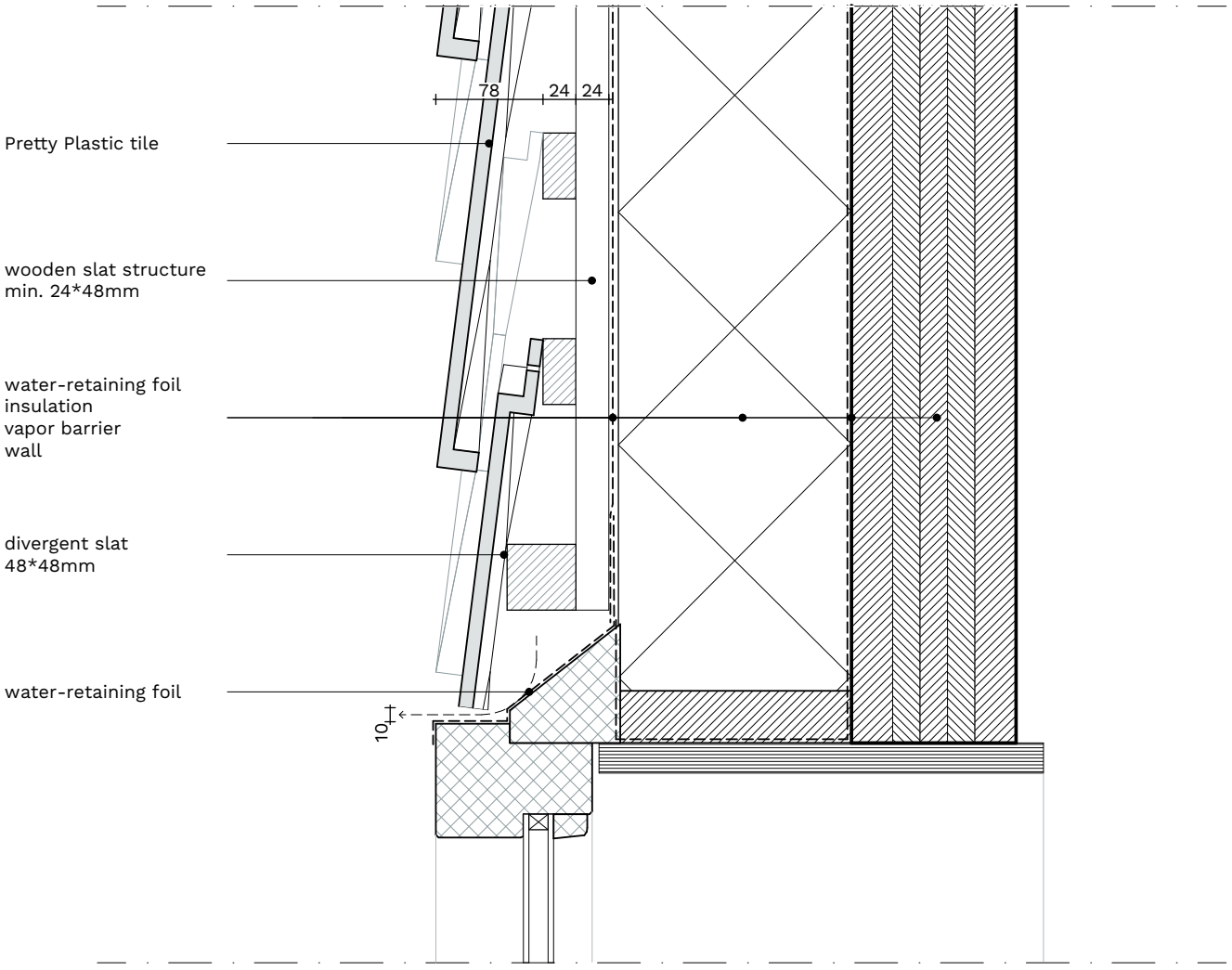
D1 - TOP CONNECTION WINDOW FRAME

SCALE 1:5



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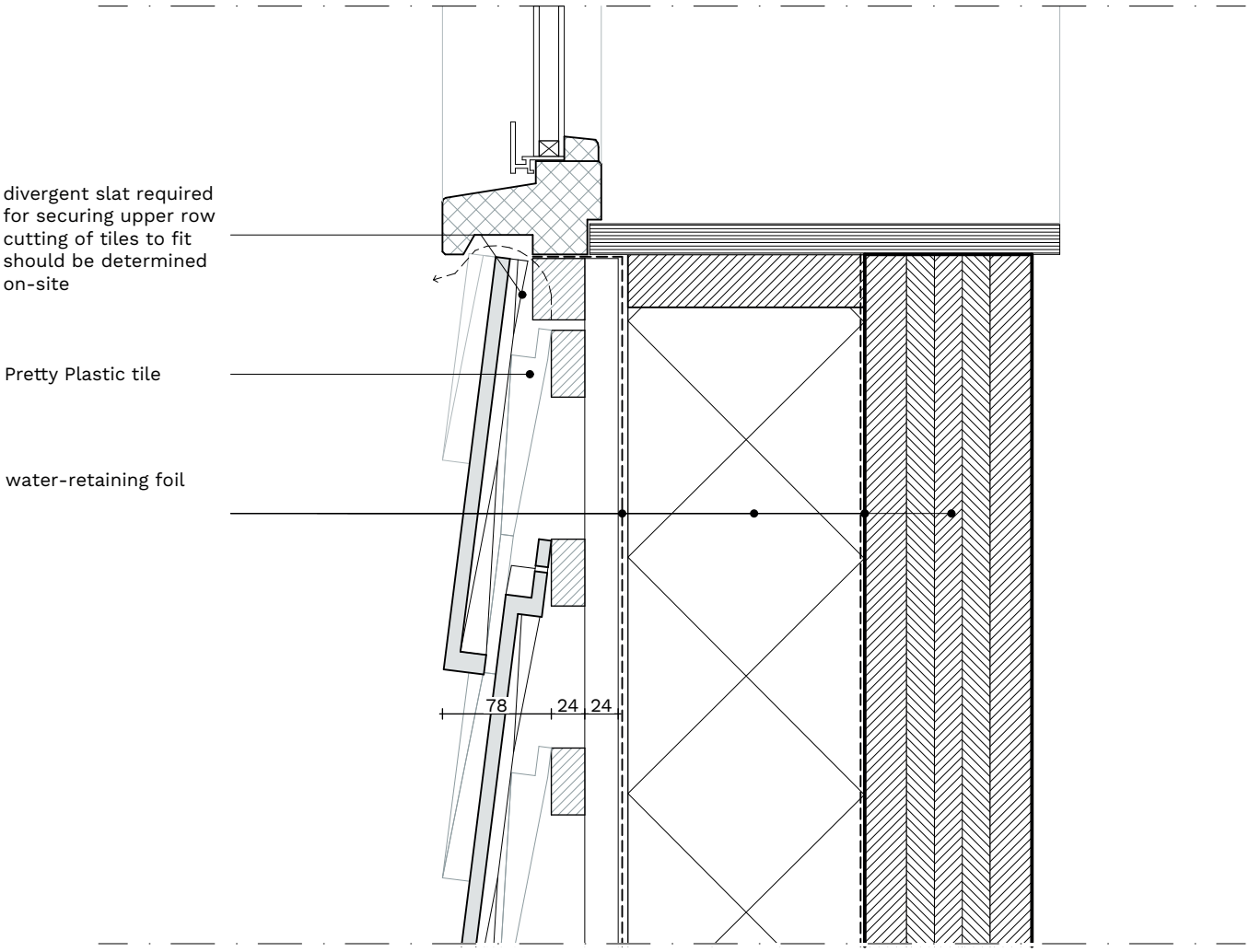
D2 - BOTTOM CONNECTION WINDOW FRAME

SCALE 1:5



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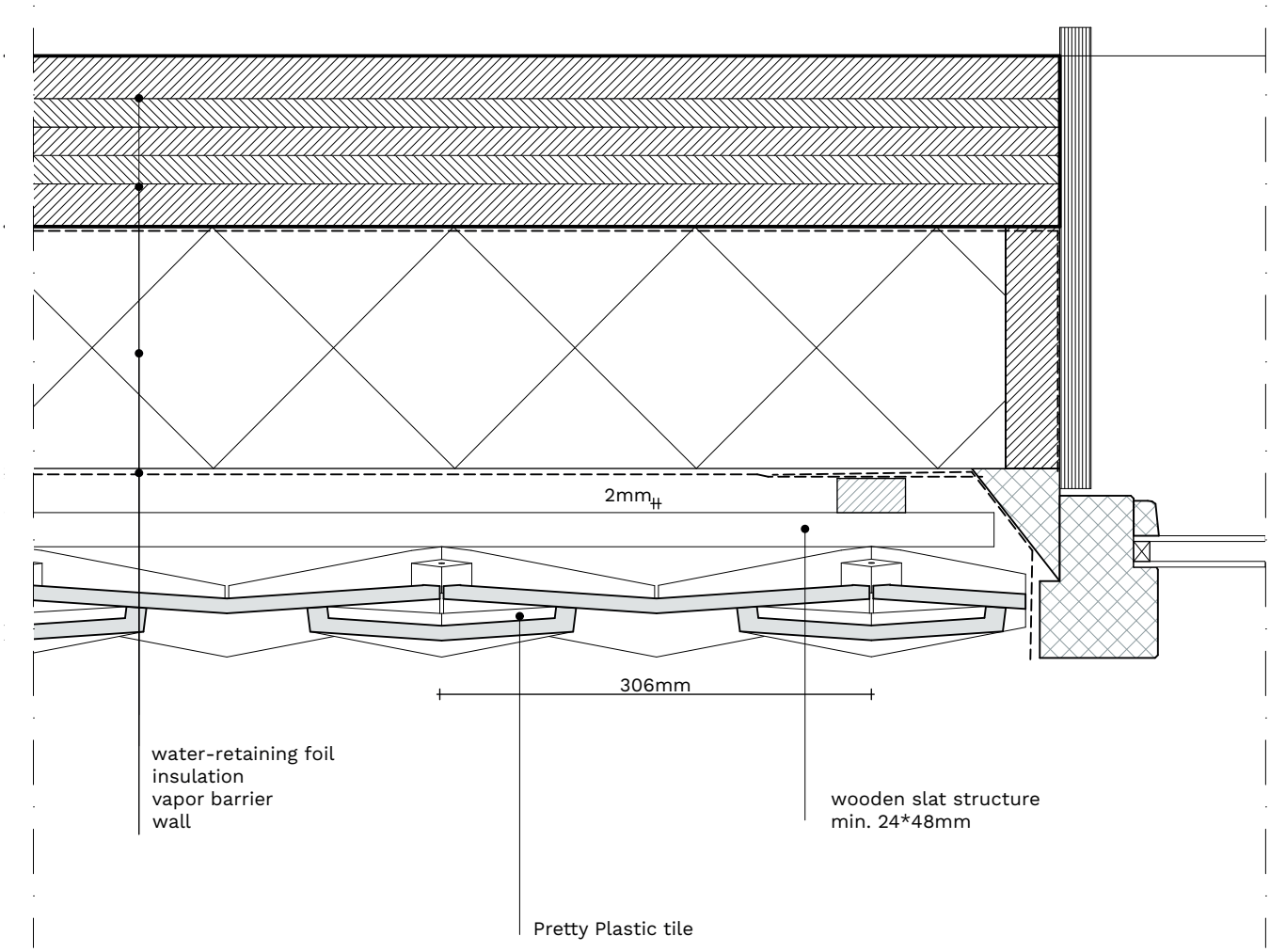
D3 - WINDOW FRAME HORIZONTAL

SCALE 1:5



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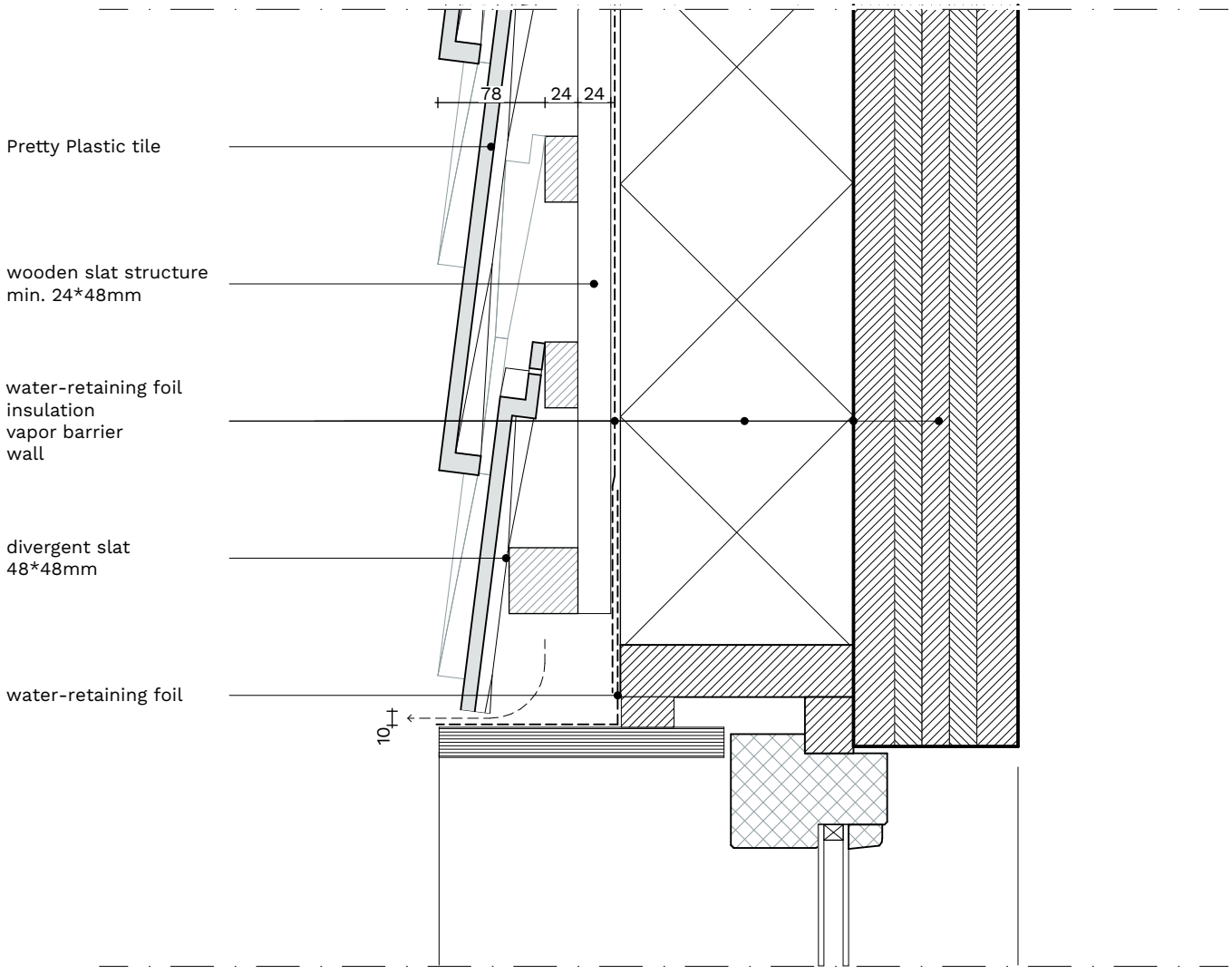
D4 - TOP CONNECTION WINDOW FRAME

SCALE 1:5



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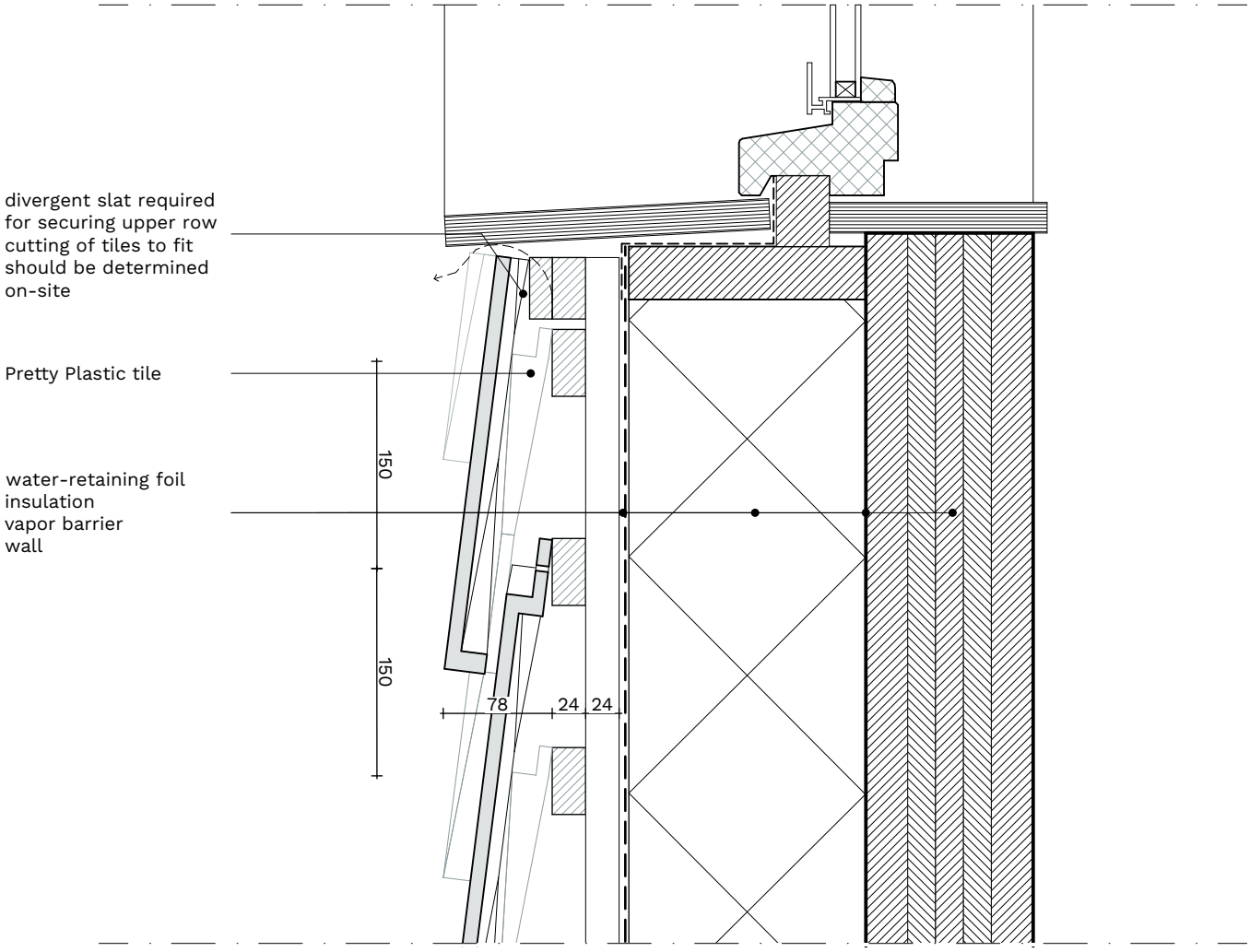
D5 - BOTTOM CONNECTION WINDOW FRAME

SCALE 1:5



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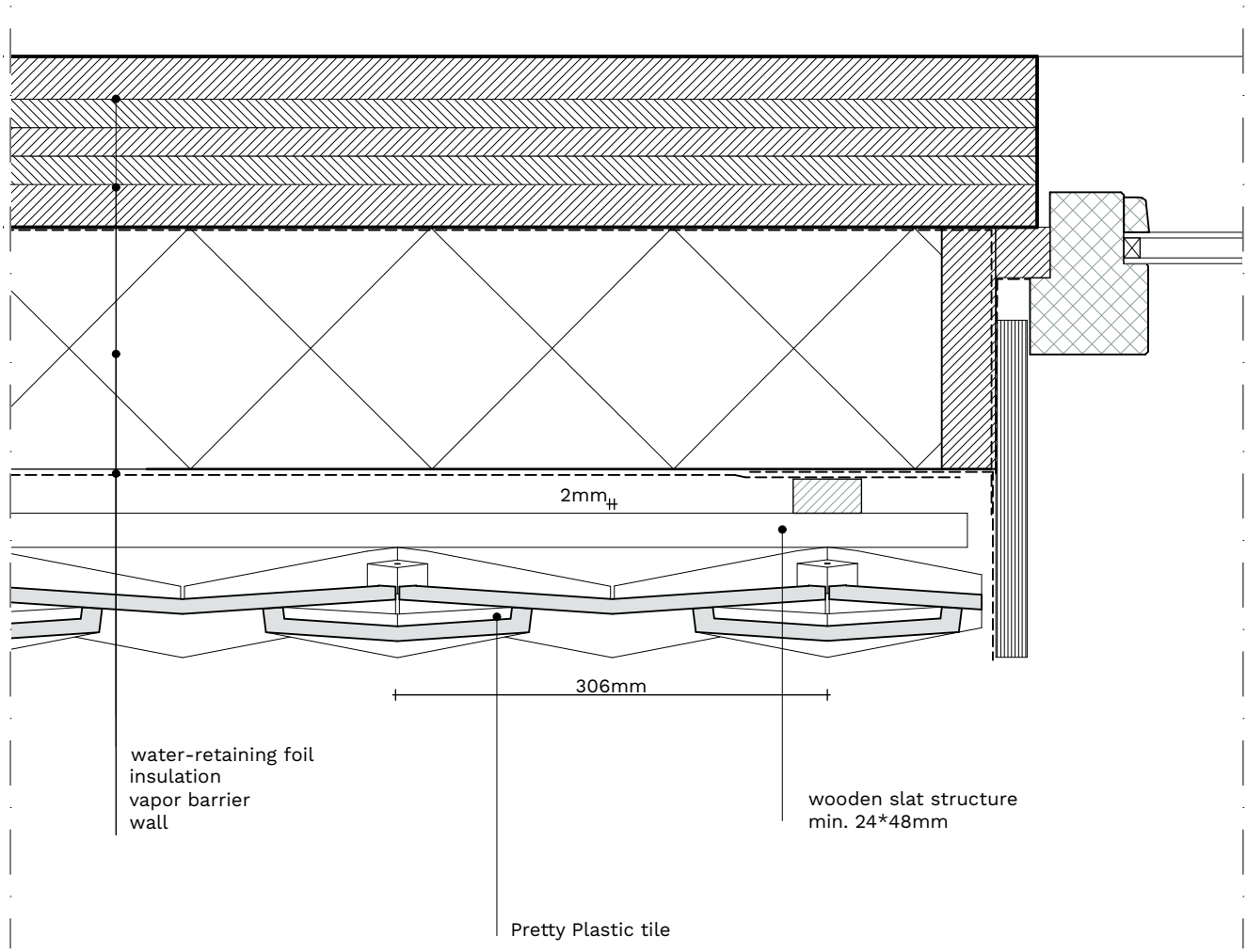
D6 - WINDOW FRAME HORIZONTAL

SCALE 1:5



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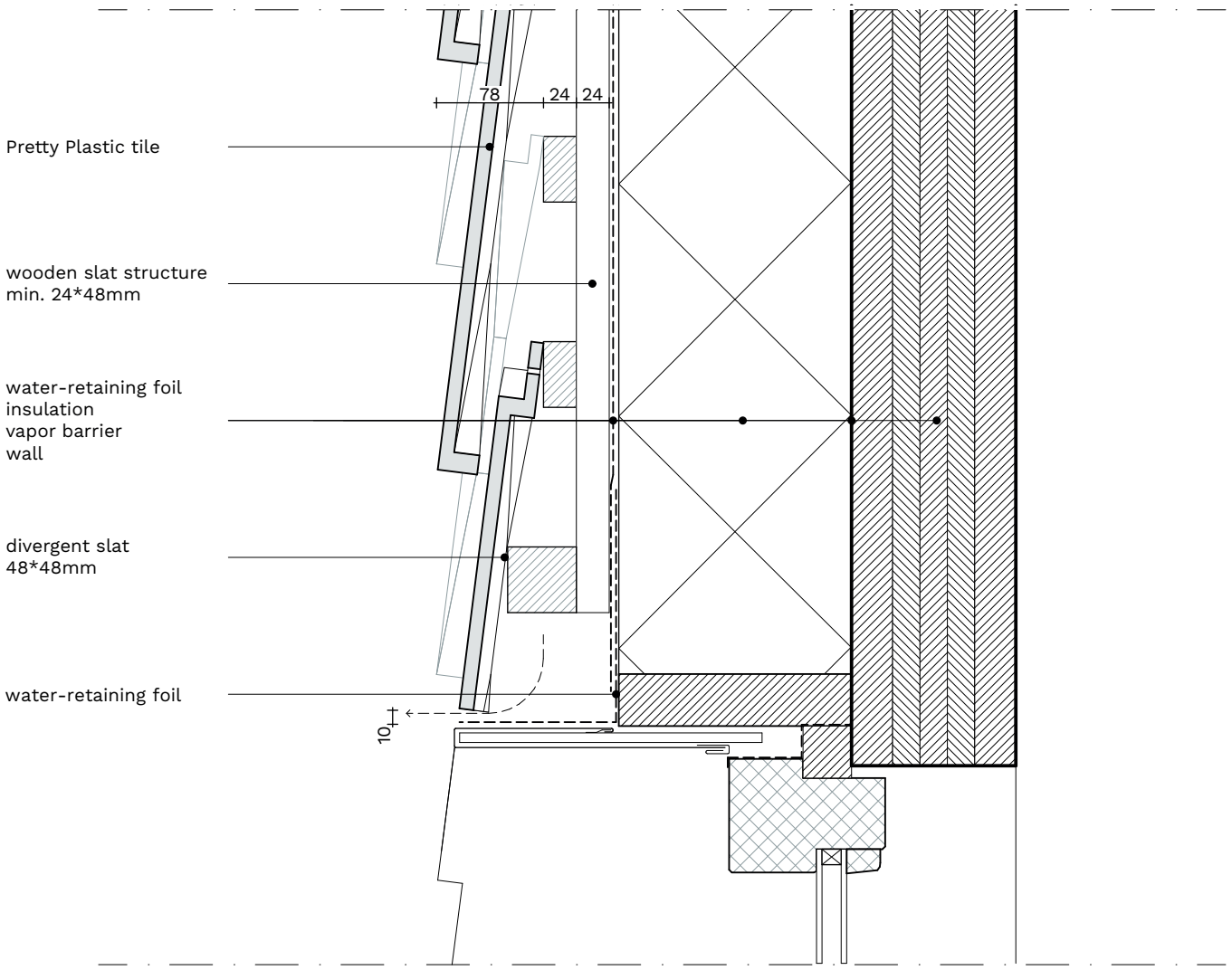
D7 - TOP CONNECTION WINDOW FRAME

SCALE 1:5



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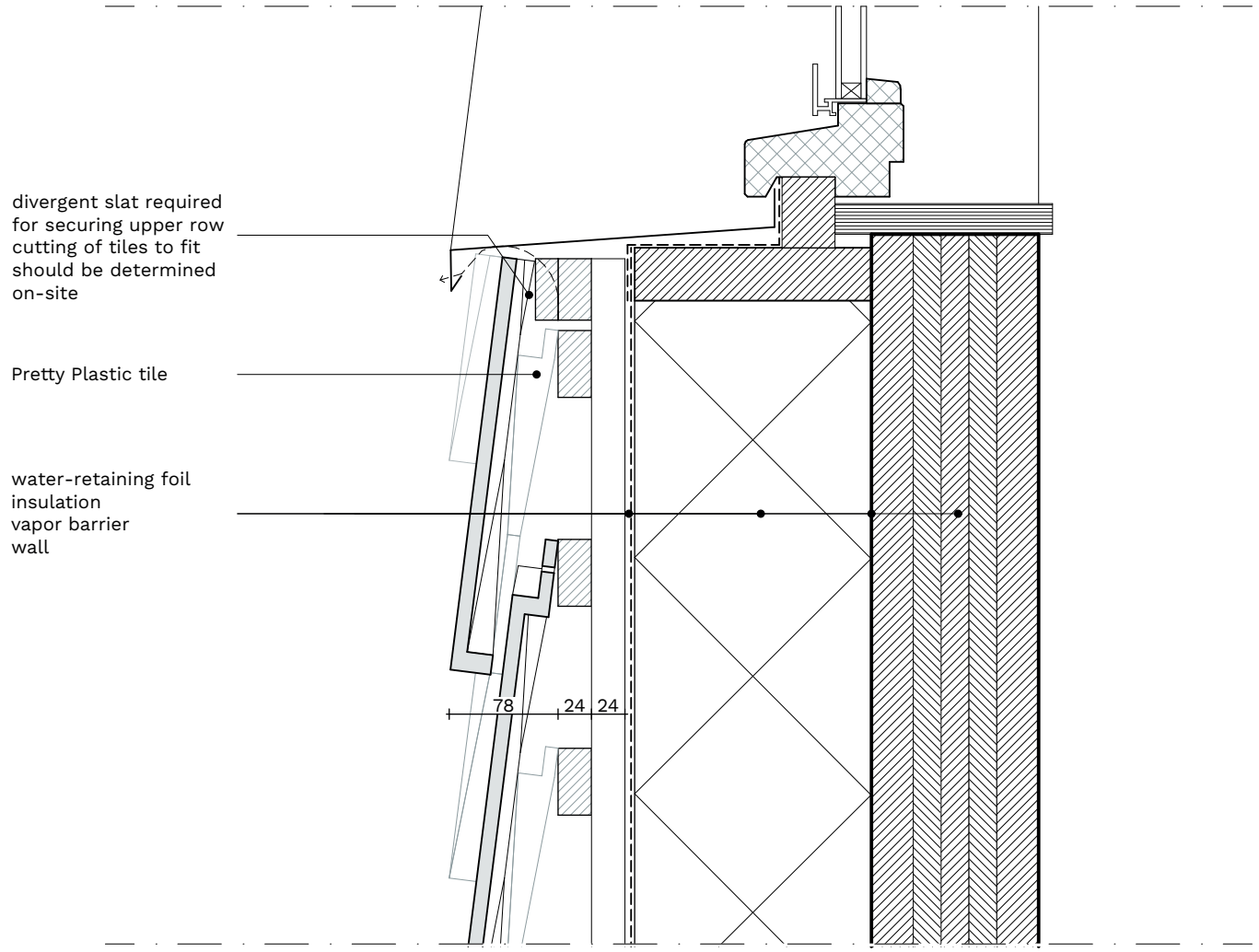
D8 - BOTTOM CONNECTION WINDOW FRAME

SCALE 1:5



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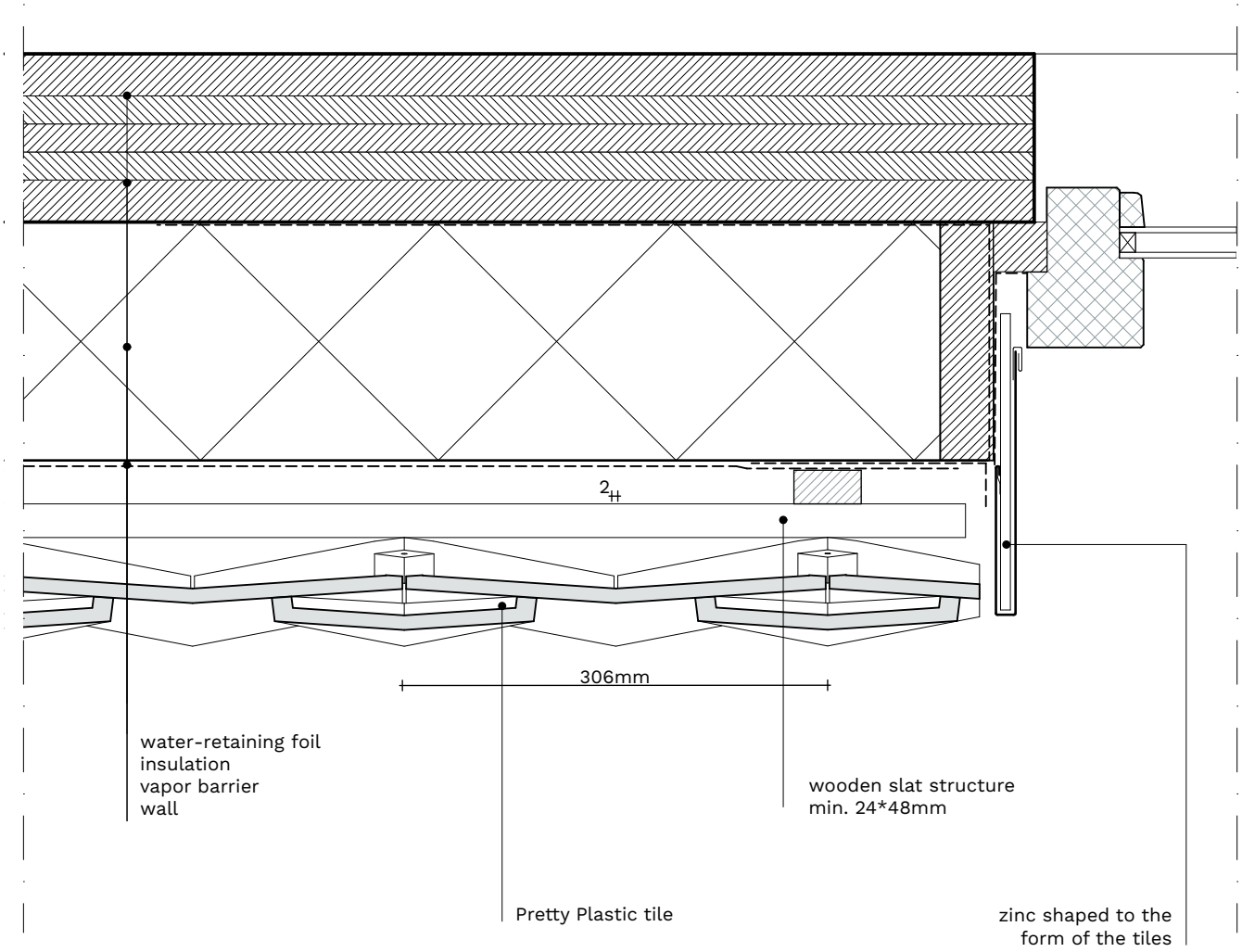
D9 - WINDOW FRAME HORIZONTAL

SCALE 1:5



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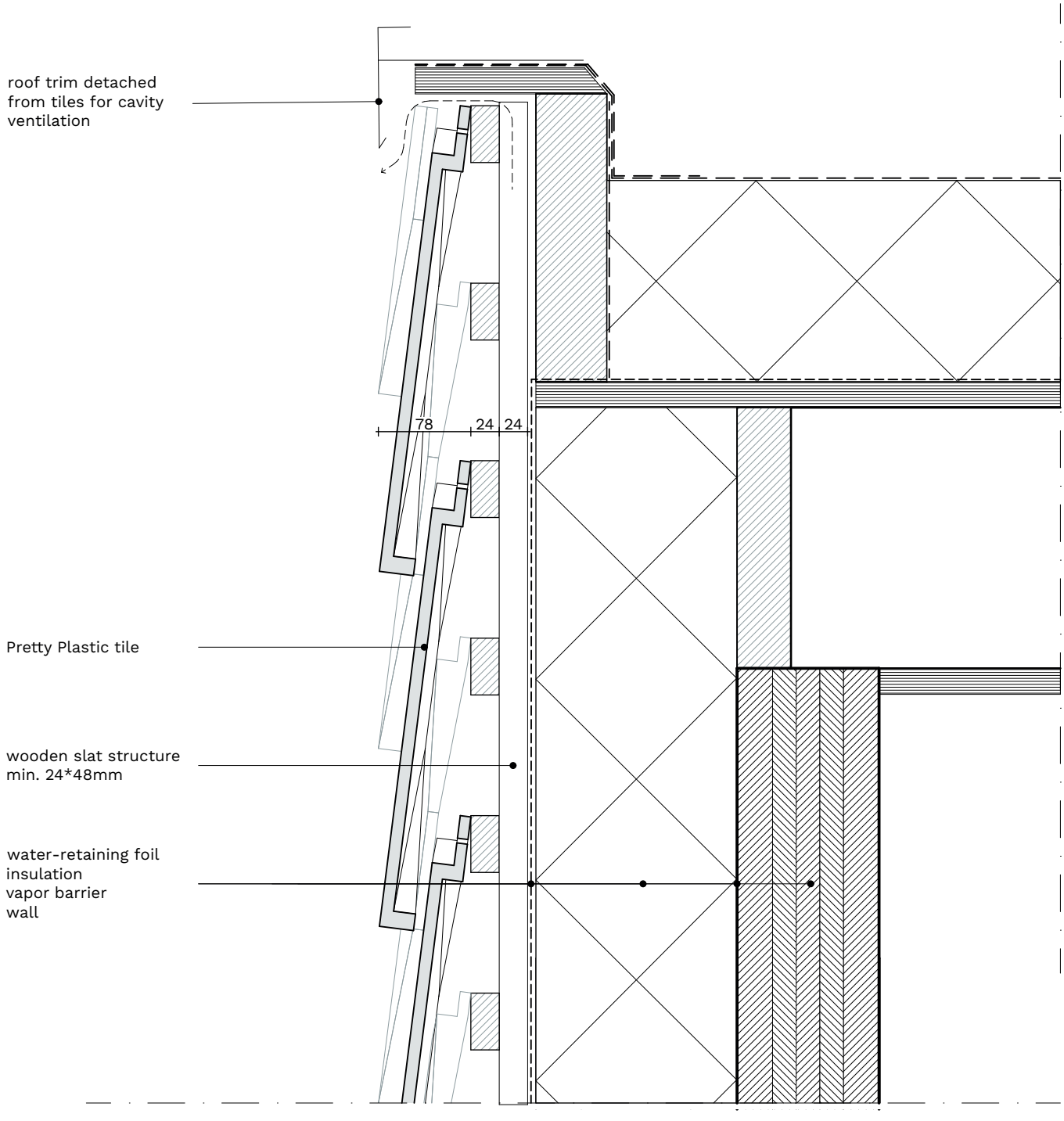
D10 - ROOF CONNECTION

SCALE 1:5



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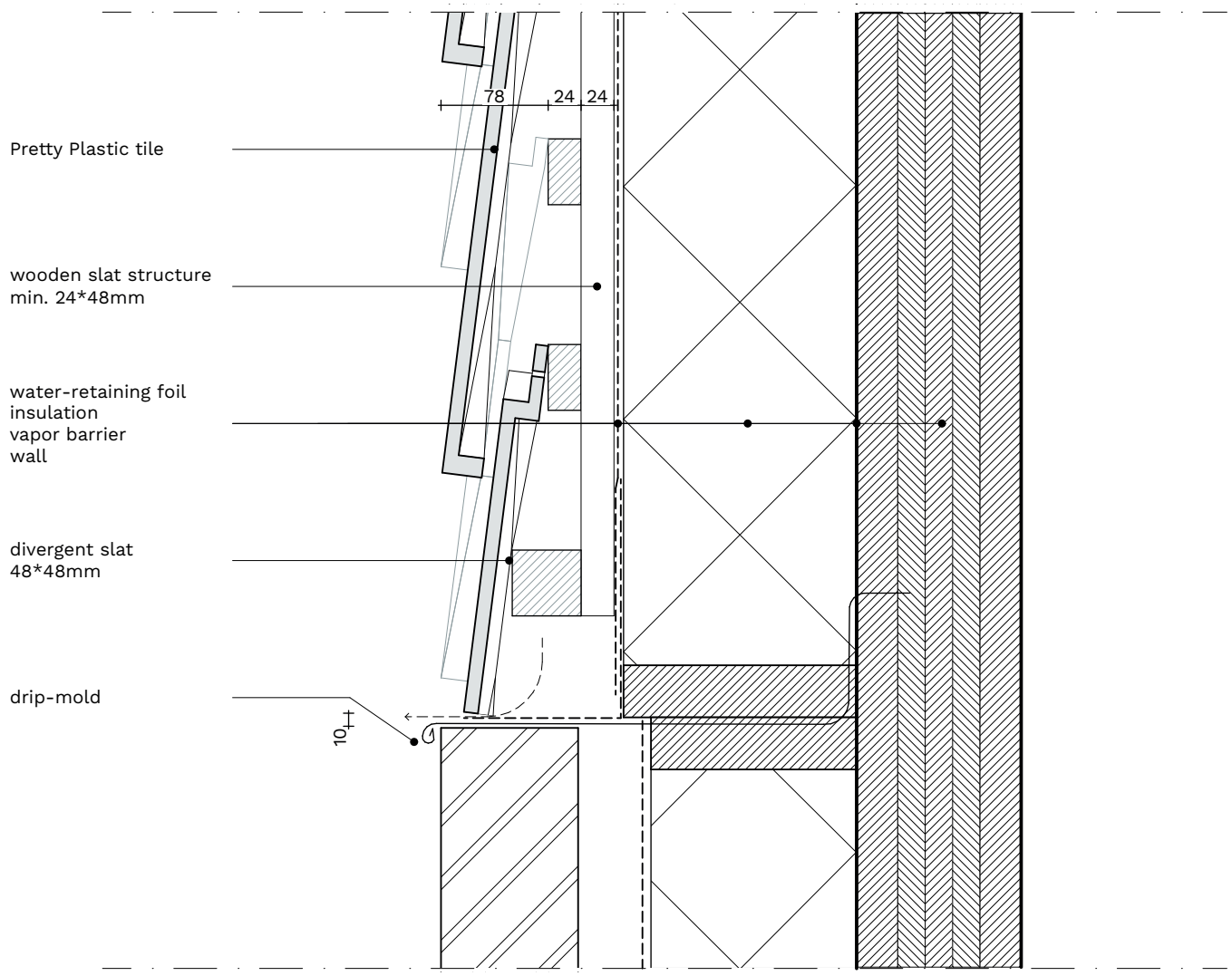
D11 - WALL CONNECTION

SCALE 1:5



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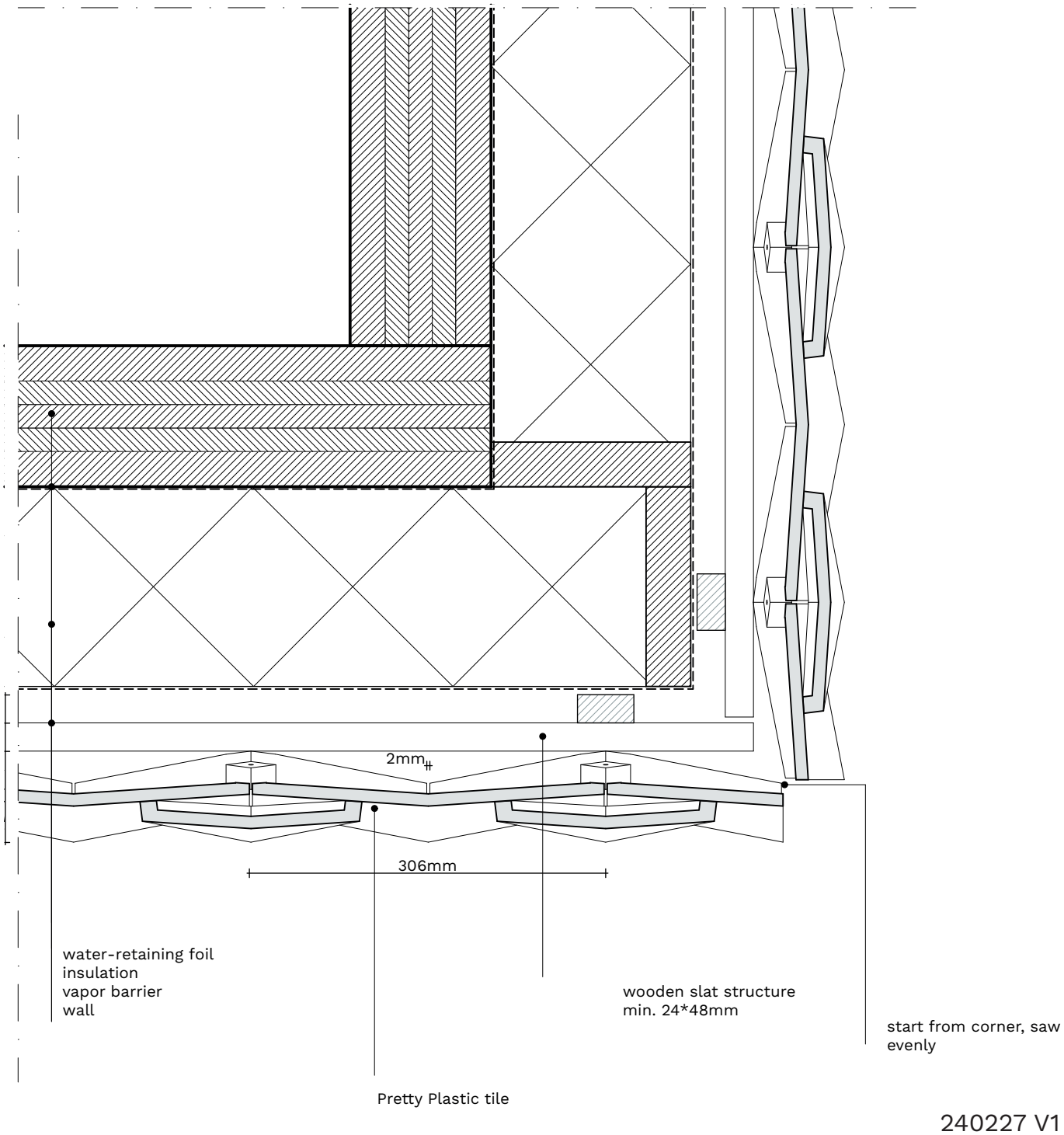
D12 - CORNER CONNECTION

SCALE 1:5



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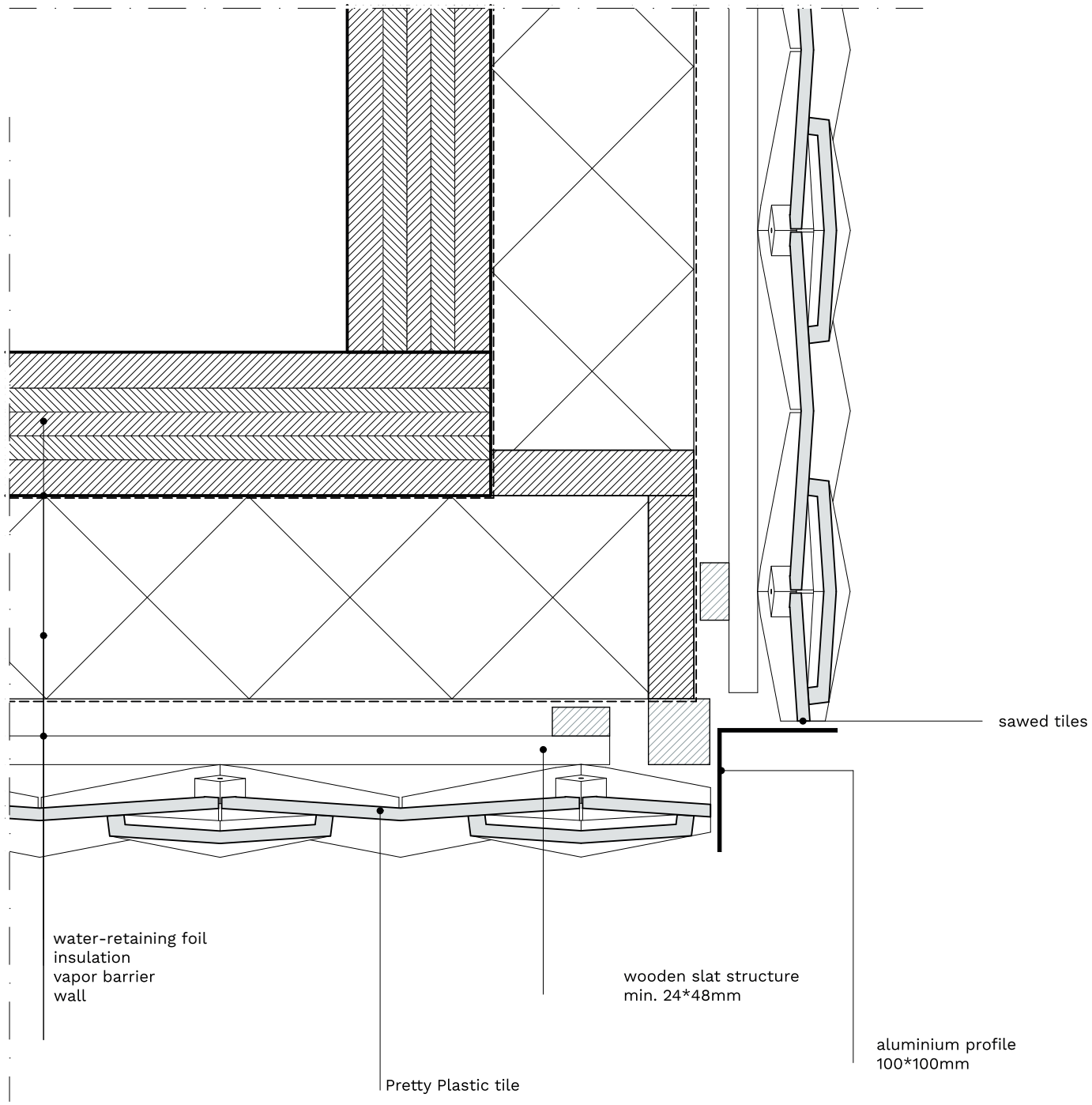
D13 - CORNER CONNECTION

SCALE 1:5



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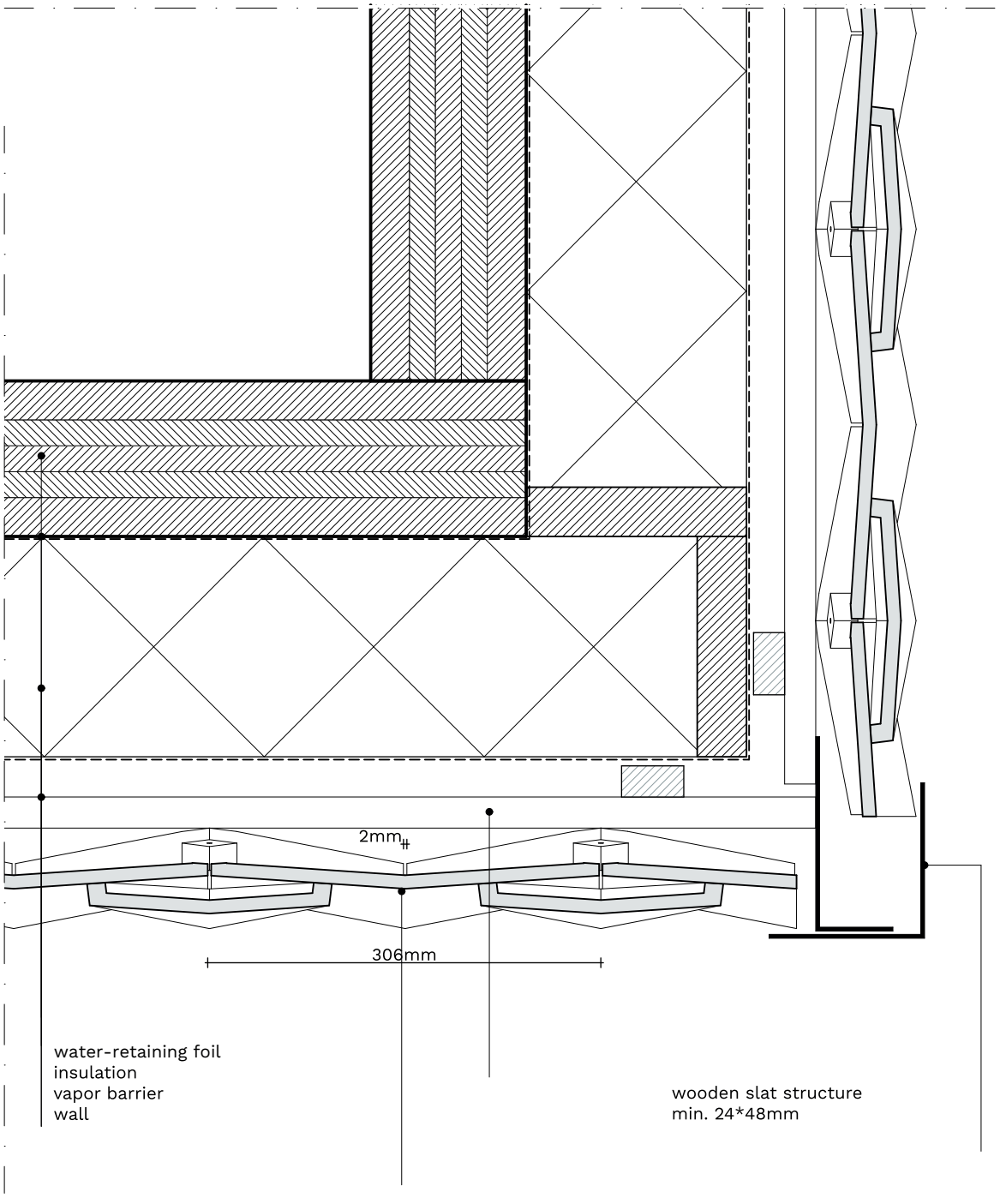
D14 - CORNER CONNECTION

SCALE 1:5



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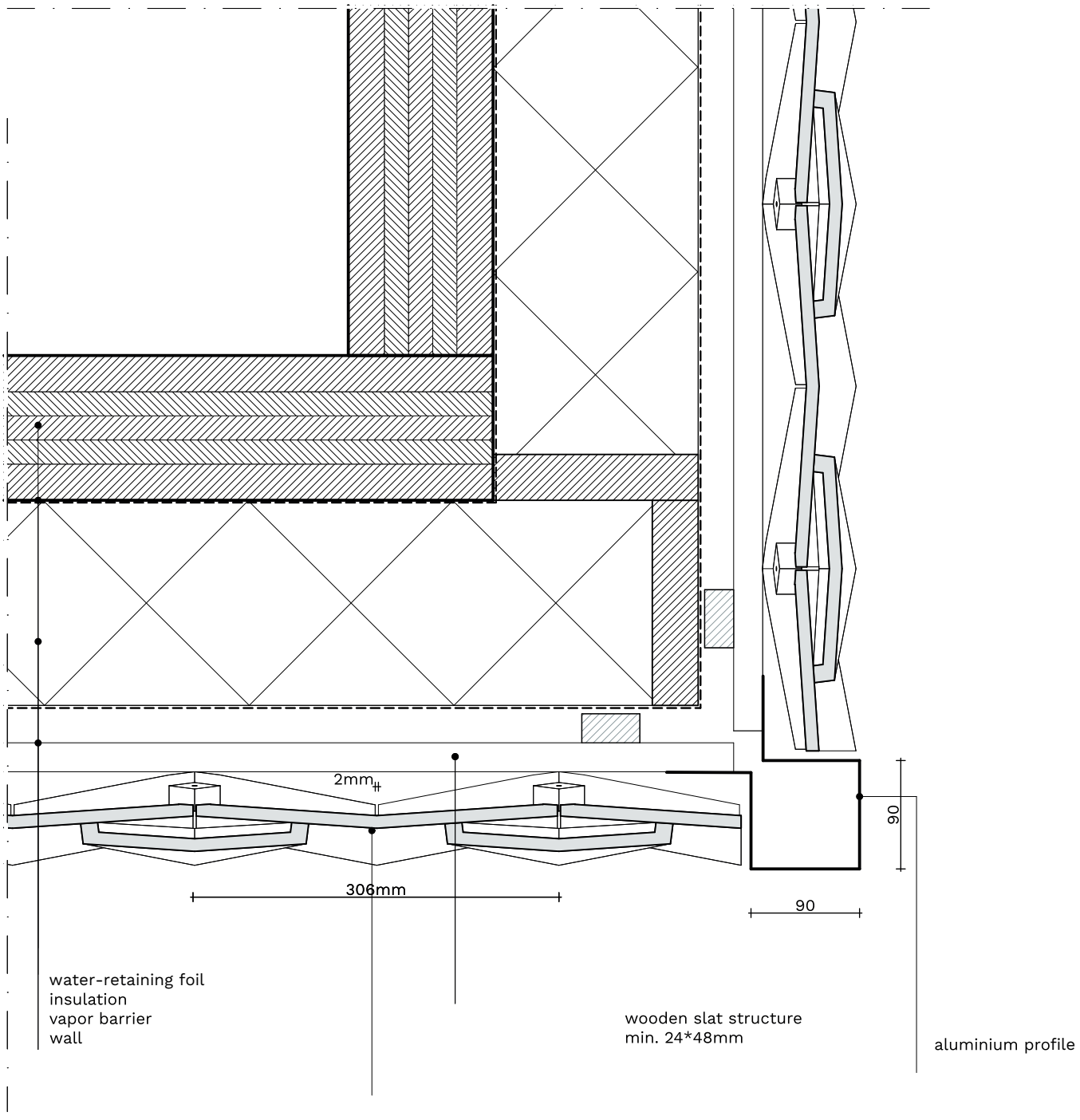
D15 - CORNER CONNECTION

SCALE 1:5



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D16 - CORNER CONNECTION

SCALE 1:5