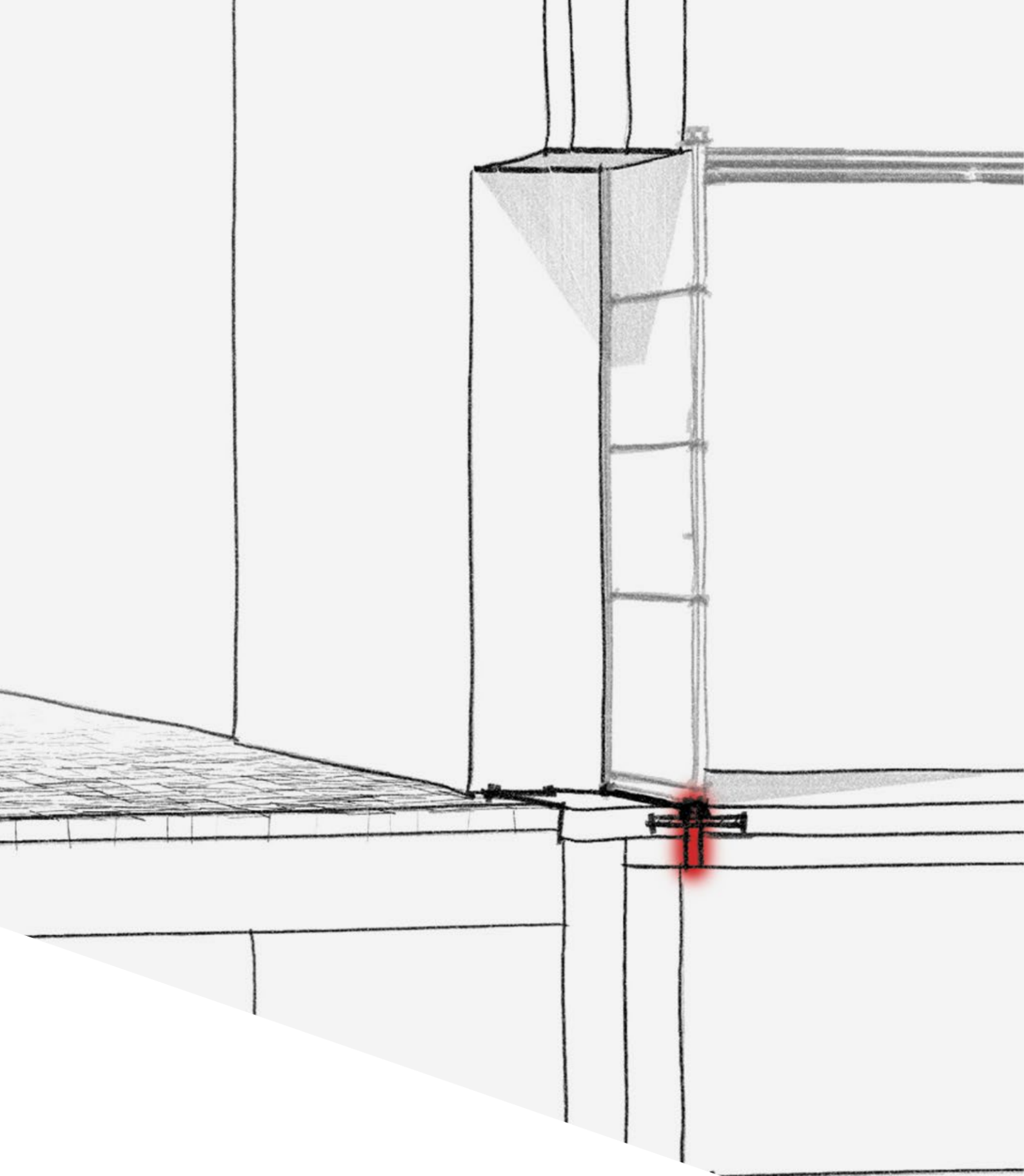




SOJLO® M-T

Installation and handling instructions
Applies to 3M-T / 3.5M-T / 4M-T solutions

ENEREST 

SOJLO® M-T kit

1. XPS400 with a 50 x 30 mm groove, installed horizontally, 100 x 285 x 1185 mm, 3/4 pcs* (B)
2. Cellular glass installed vertically, 50 x 230 x 450 mm, 7/8/9 pcs* (D)
4. TPE U-profile 3.2 m (F)
5. Glass-fibre anchors 350/200 mm, Ø12 mm, 21/24/27 pcs* (G)
7. MS hybrid adhesive 290 ml, 4 pcs (D)
8. XPS300 20 x 200 x 300 mm, 2 pcs (G)
9. Spiral insulation plugs, 12 pcs (C/H)
10. Screws 4 x 60 mm, 12 pcs (C/H)
10. Self-adhesive foam seal 10 x 70 x 200 mm (D; E)
11. PU foam adhesive, 1 pc (D)

Additional materials that may be required depending on site conditions:

1. Straight timber board or plywood strip 20 (±2 mm) x 100 x 3500 mm (C/H)
2. Strong PVC tape to cover the U-profile during concrete casting.

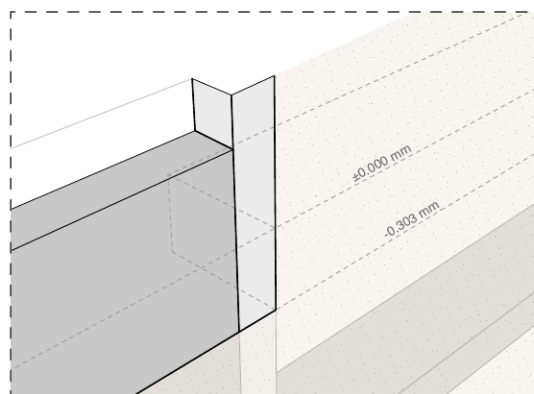
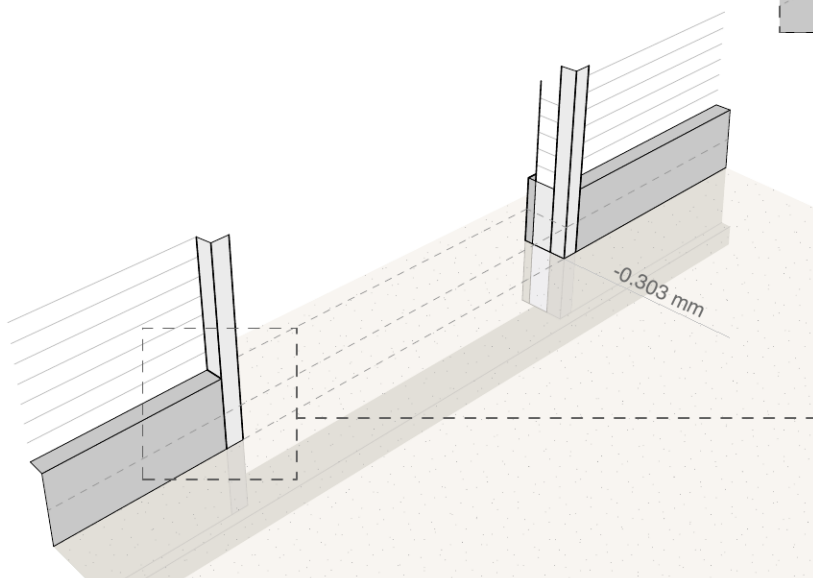
*Quantity depends on kit length: 3M-T / 3.5M-T / 4M-T

SOJLO® solution - patent pending

Installation for an industrial overhead door:

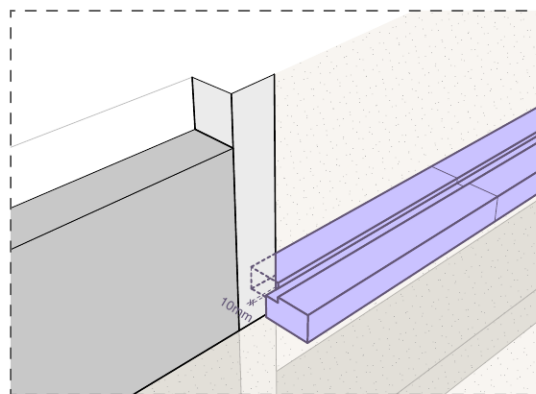
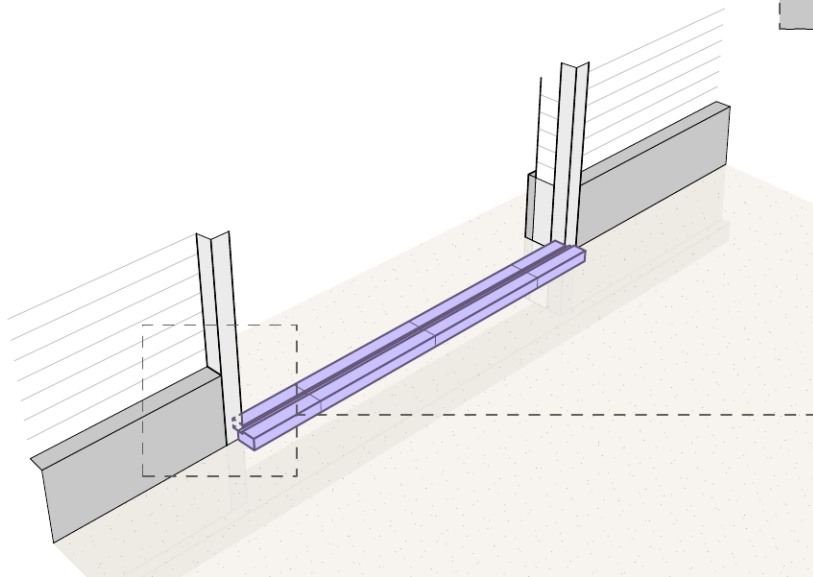
A

Compact the sub-base in the door opening (sand or crushed aggregate) to at least $E_{v2} = 80$ MPa and level it to -0.303 from the future finished floor level.



B

Place the 100 x 285 x 1185 mm XPS elements end to end on a level surface. Bond the joints with MS hybrid adhesive. Use a straightedge to align the groove. Trim the XPS corners to suit the width of the door opening.

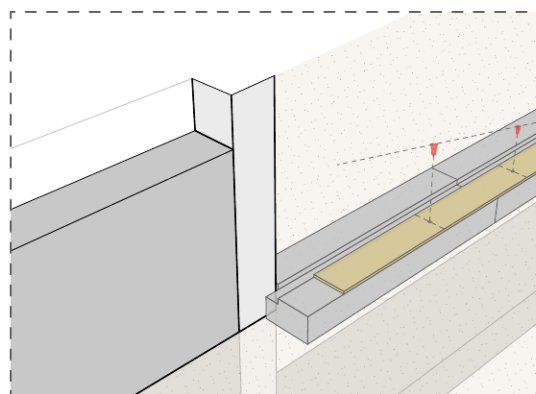
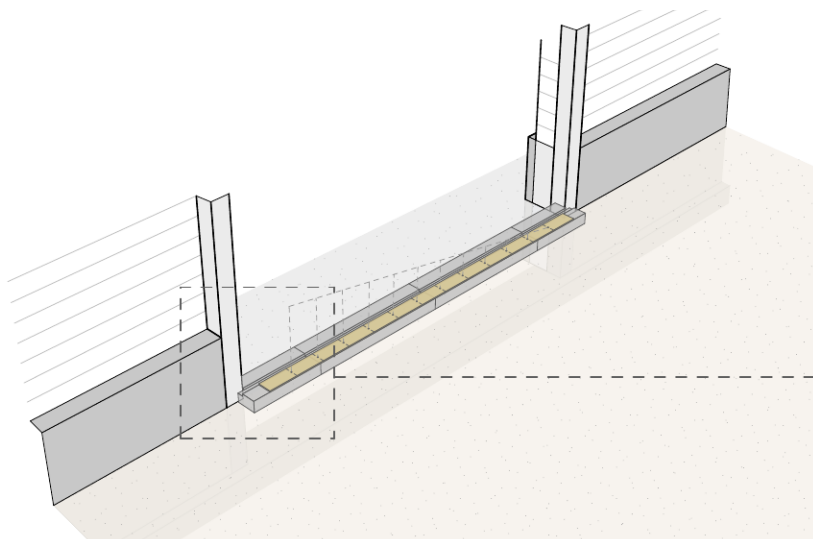


The outer edge of the groove must be 10 mm from the inner wall surface.

NOTE: During bonding, the outdoor temperature must be at least +5 °C. Depending on the temperature, allow up to 24 hours for the adhesive to cure.

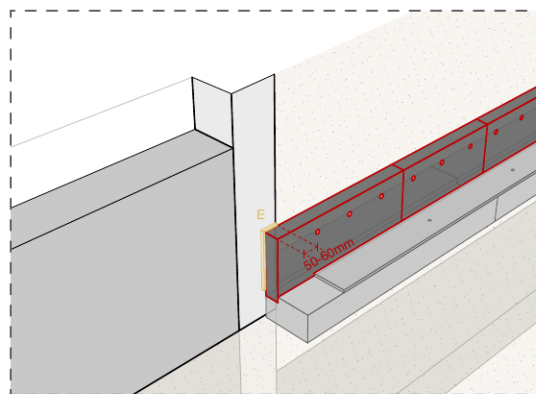
C

Drill Ø5 mm holes in the board or plywood strip at 300 mm centres. Place the board on the XPS between one side of the groove and the edge. Mark the hole positions on the XPS, remove the board, and screw the spiral plugs into the marked positions. Replace the board or plywood strip in the same position and fasten it with the screws.

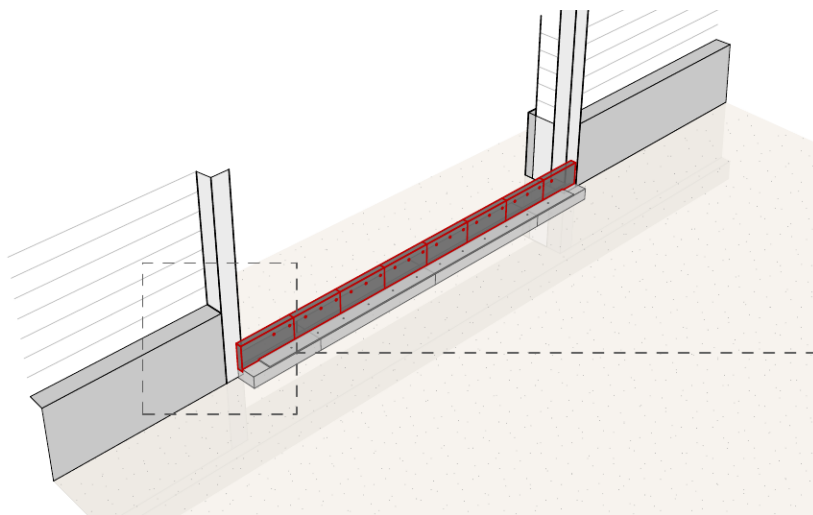


D

Install the vertical Perinsul HL cellular glass in the groove of the XPS profiles using MS hybrid adhesive. Bond the cellular-glass joints to one another with MS hybrid adhesive. The PU foam adhesive supplied with the kit can be used to hold the cellular glass in place more quickly by applying beads between the other adhesive lines. Do not allow PU foam adhesive to reach the outer faces of the joints.



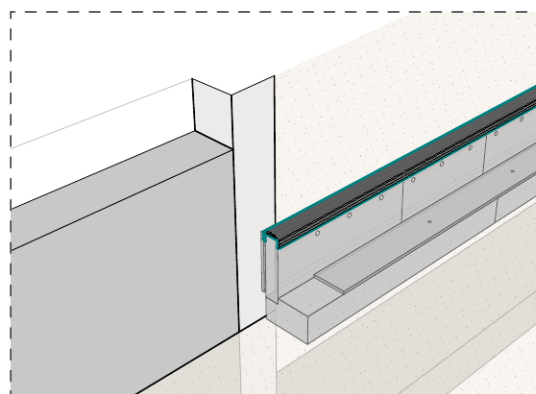
The ends of the vertical cellular glass must extend 50-60 mm beyond the garage-door opening. Fit the 10 x 70 x 200 mm foam seals (E) at the ends after removing the release paper.



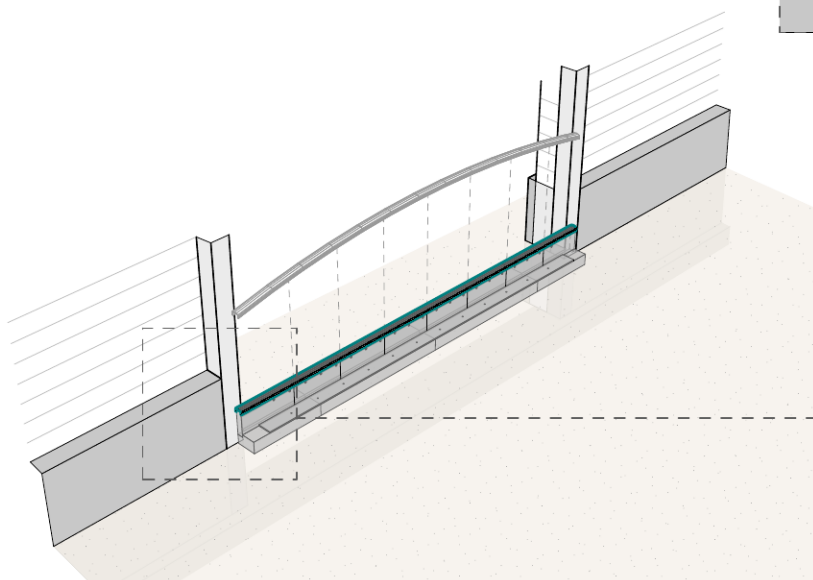
NOTE: During bonding, the outdoor temperature must be at least +5 °C. Depending on the temperature, allow up to 24 hours for the adhesive to cure.

F

Install the threshold U-profile. For easier installation, warm the profile beforehand, for example in a cardboard box using a hair dryer or an electric fan heater.

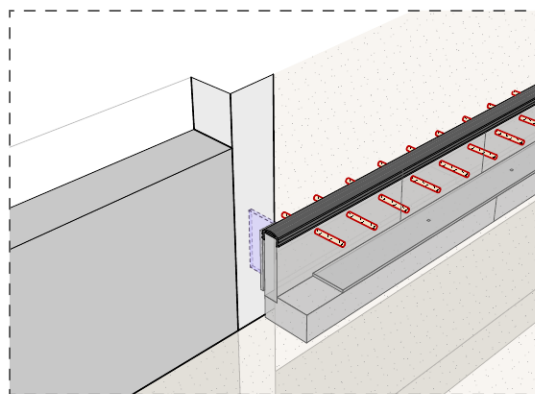
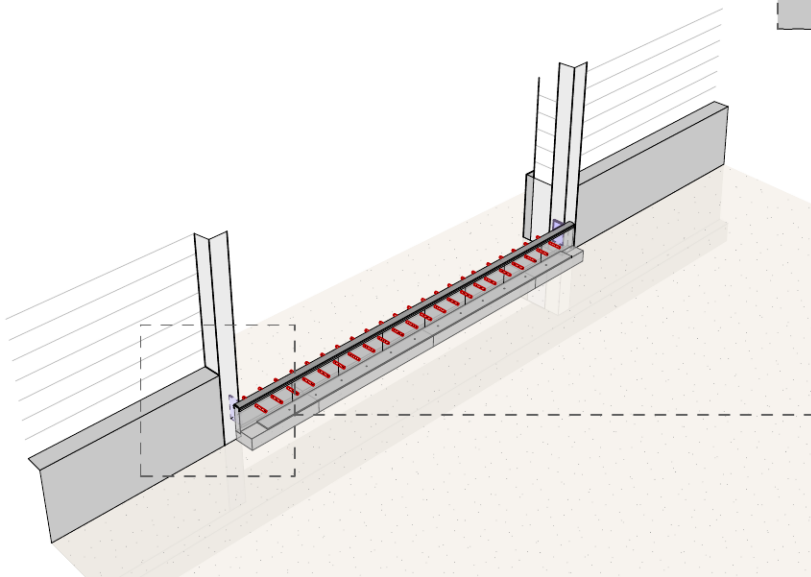


The holes in the vertical cellular glass are pre-drilled at 150 mm centres.



G

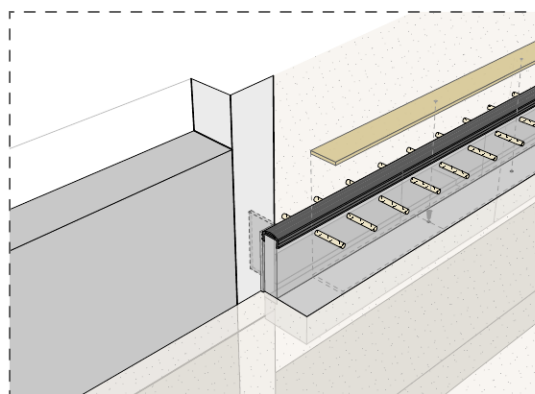
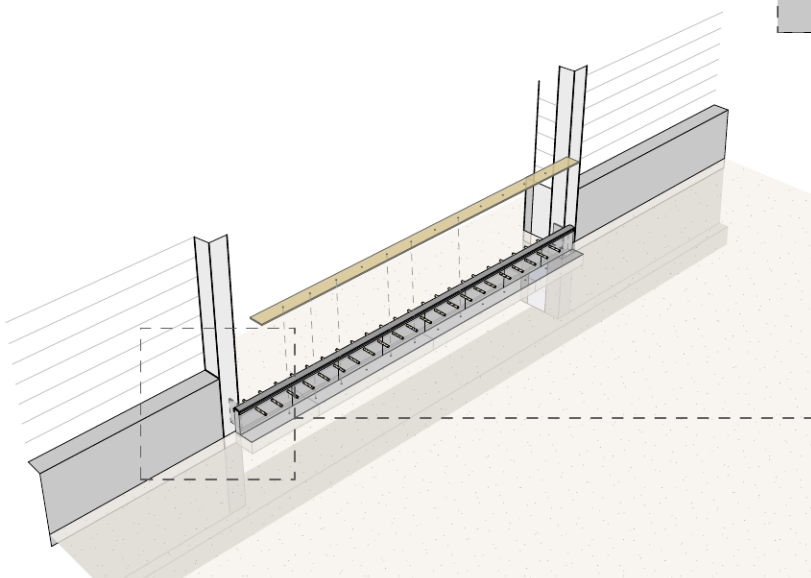
Install the glass-fibre anchors by pressing the anchor stop collars into the holes in the vertical cellular glass. The stop collar ensures that every anchor is installed to the same depth.



At both sides of the entrance slab, install 20 x 200 x 300 mm XPS pieces. Cut the top edge level with the future concrete slab. The final cut may be made after casting.

H

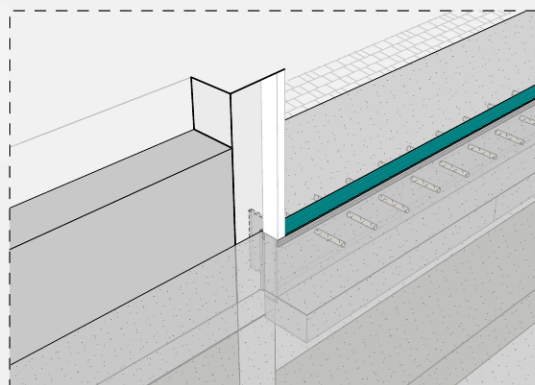
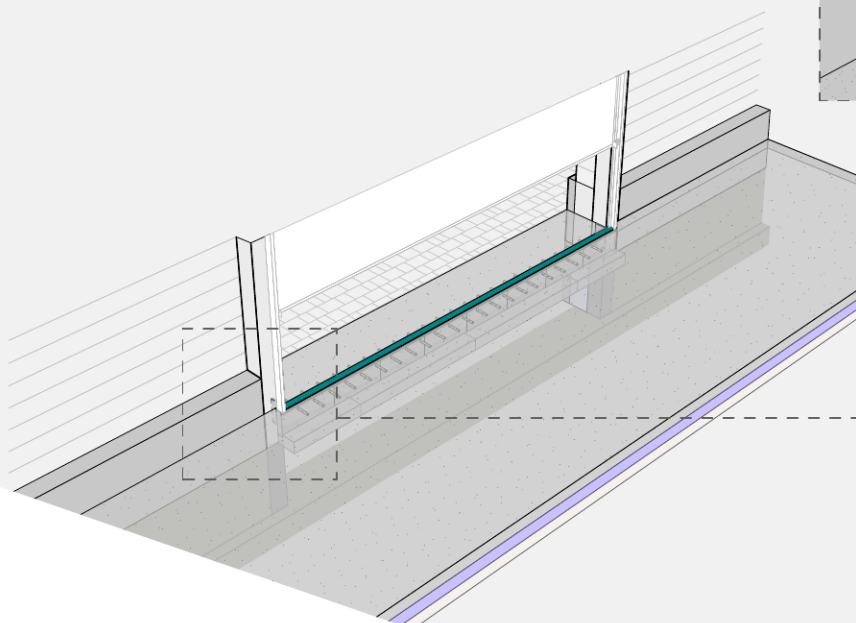
After the adhesives have cured for 24 hours and the XPS beneath the cellular glass has been properly secured by the sub-base or other insulation, remove the board or plywood strip.



Remove the screws from the spiral plugs. The spiral plugs may also be removed if required.

I

Preparation for casting the floor slab may now begin, including floor insulation and reinforcement.



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