Installation of Vertically Laid ASMR Insulated Wall Panels

ASMR panels must be fixed to a secondary steel framework running perpendicular to the long side of the panels. Steelwork must be correctly aligned. Ensure cladding rail extension plates have been installed to open ends of sheeting rails to provide suitable bearing for fixing of panels on return elevation.

The number and type of fasteners required depends on the spacing of supports and wind loads. Fasteners must comply with the project engineer's specification.

1. Lay a continuous run of compressible butyl sealant on the floor to receive the drip support angle.

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3. Align and fix the drip flashing using low profile fasteners. Form 100 mm lap joints and seal with two runs of butyl sealant. Ensure a minimum gap of 5mm is left between the bottom of the panel and the top face of the flashing. This will, with the slope of the flashing, ensure greater distance at the front drip face of the panel and allow water run off. This clearance may be achieved during installation by use of an appropriate 5mm packer.

4. Apply a butyl seal to the drip flashing to seal up against the back of the panel.
   Run a clear silicone sealant across the depth of the profiled liner section of the panel to form a continuous seal.
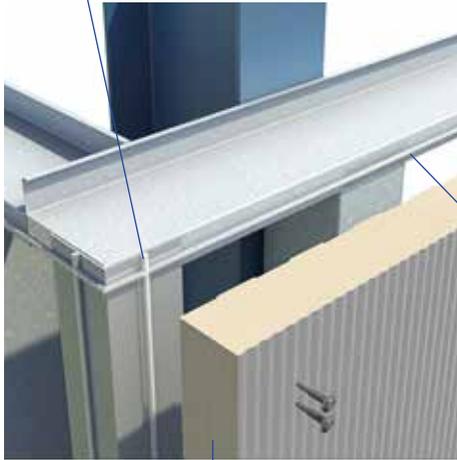
2. Fix the drip support angle to the sheeting rail using low profile fasteners. Ensure the angle compresses the sealant to form a continuous air seal.
   Apply a butyl seal to the front of the support angle to seal up against the drip flashing.

5. Apply a continuous 8mm Ø bead of butyl sealant to provide
   an air seal between back of panel and drip flashing.

6. Apply a 8mm Ø bead of butyl sealant
   to the top rail to provide an air seal.

7. Locate the first panel ensuring it is
   correctly positioned, lined and levelled.

8. At corner positions through - fix two countersunk
   fasteners into the panel at each horizontal rail
   location. Note: Fasteners to be suitably located to
   ensure they are covered by external corner flashing.

9. Install main fastener through the male joint at
   the top and bottom of the panel and also at
   intermediate locations.
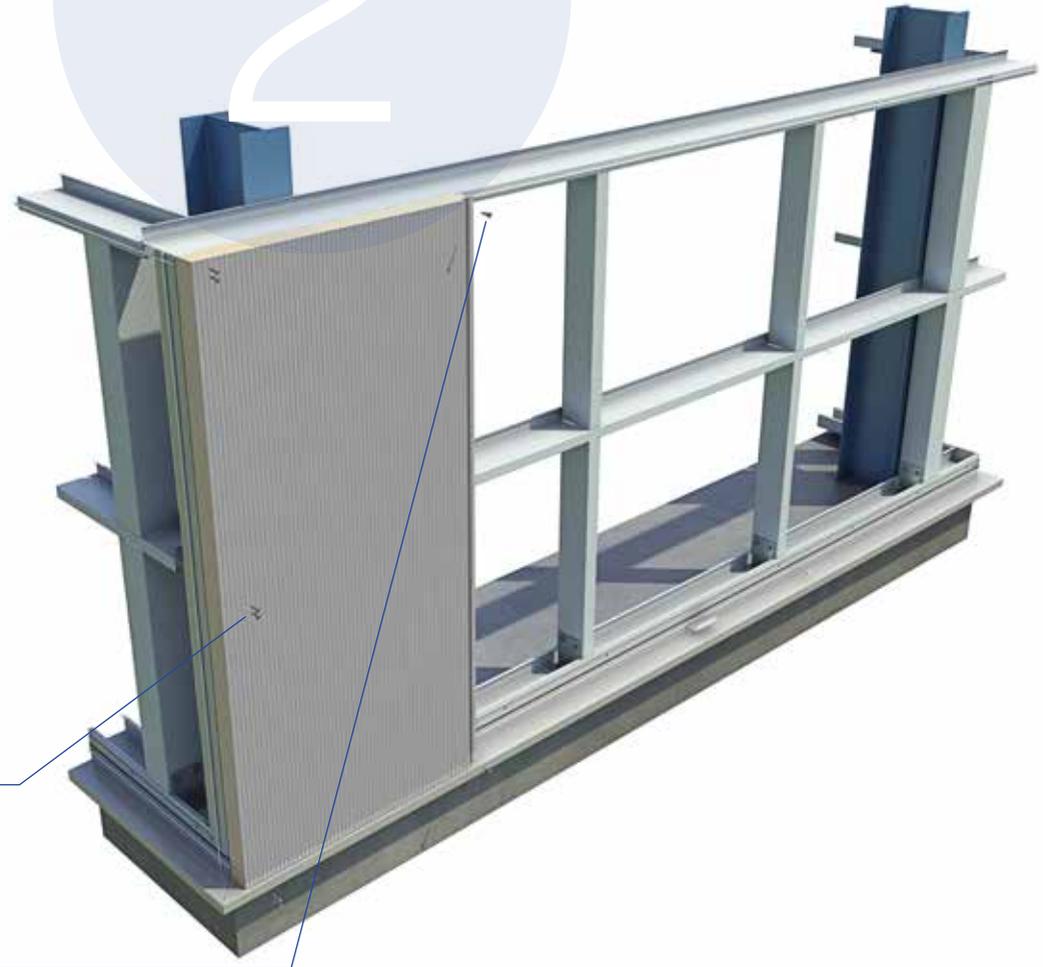
10. Panel to panel joints are formed by sliding the female
    edge of the second panel over the male edge of the first
    panel. Run butyl sealant across the panel depth (top of
    vertical joints only) to form a continuous seal. Fix at panel
    ends and intermediate supports, ensuring line and level
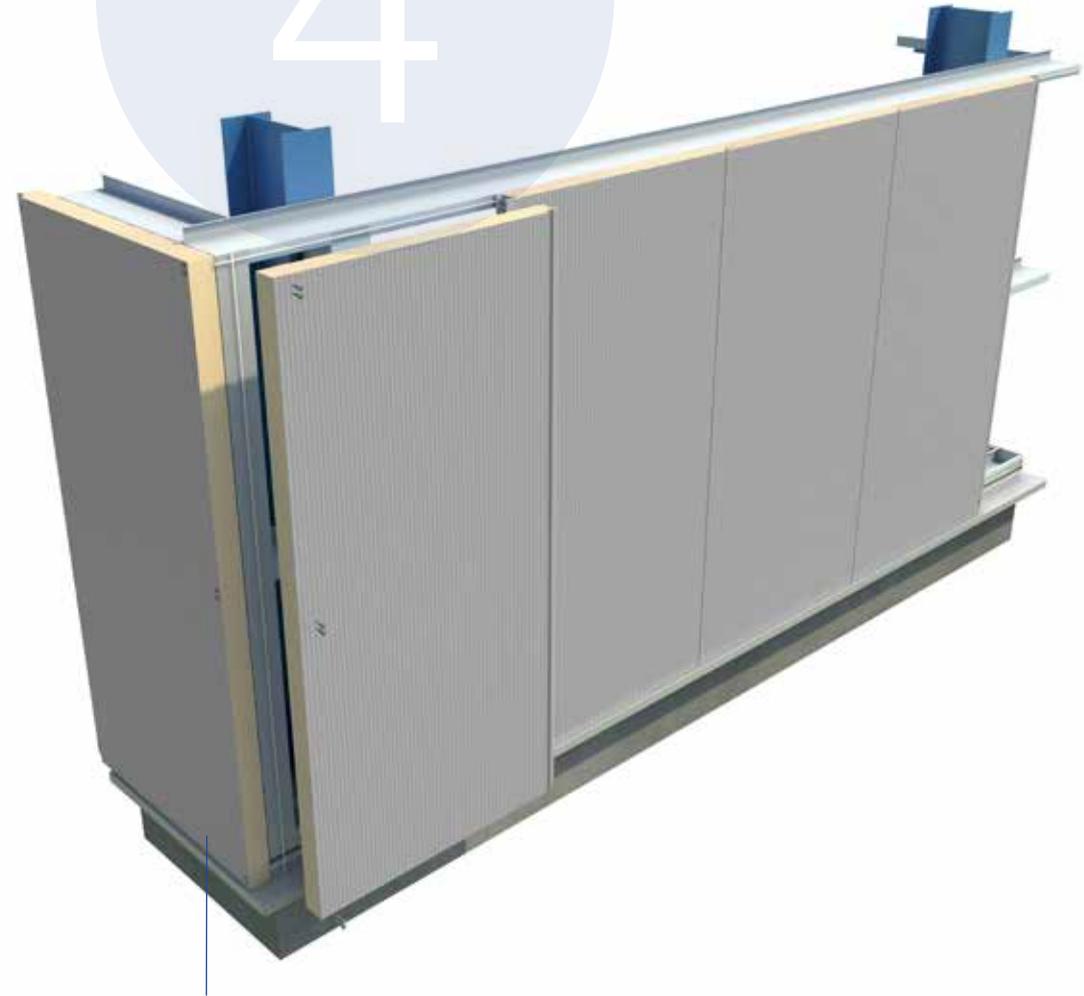   of panel at cill position.

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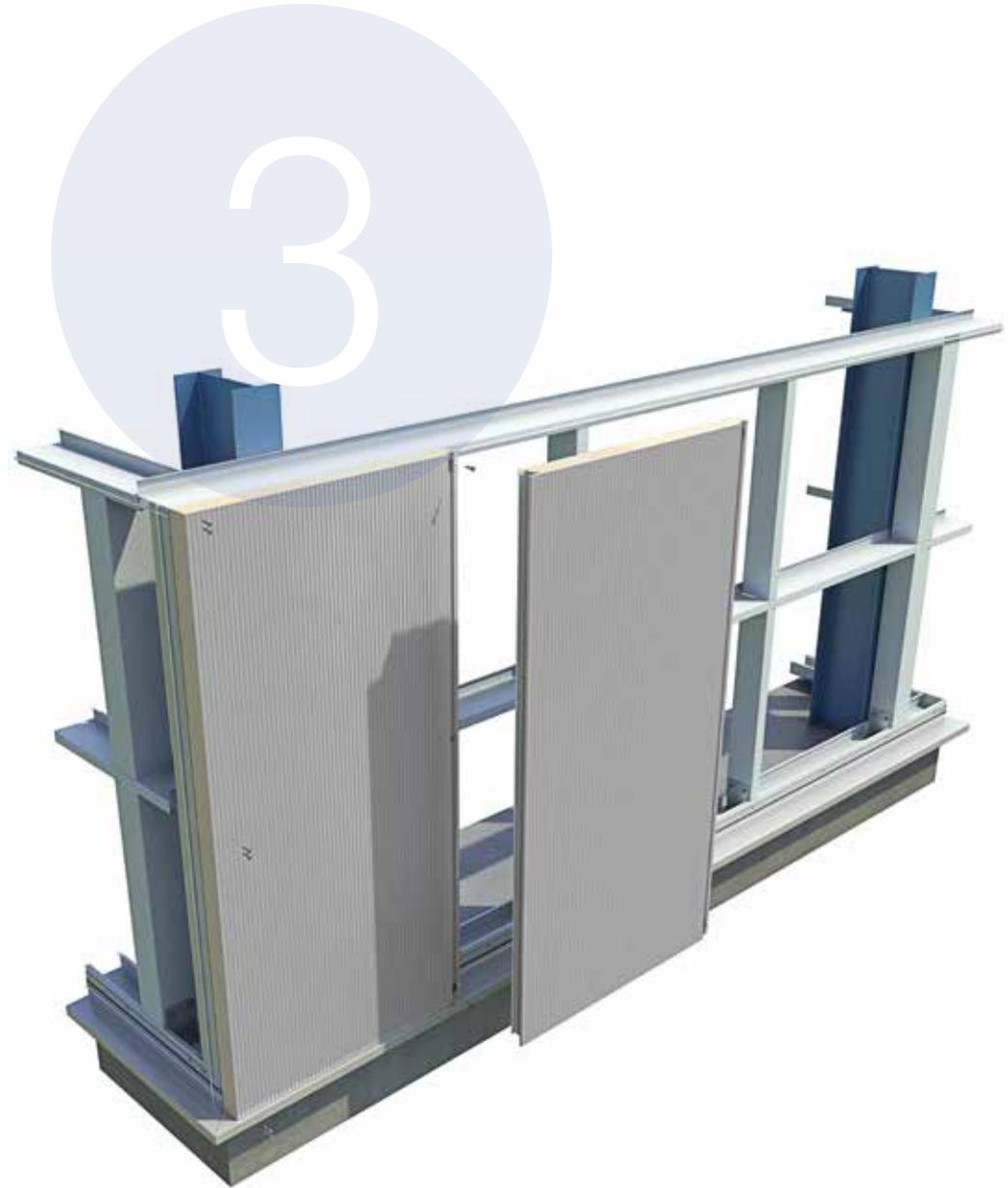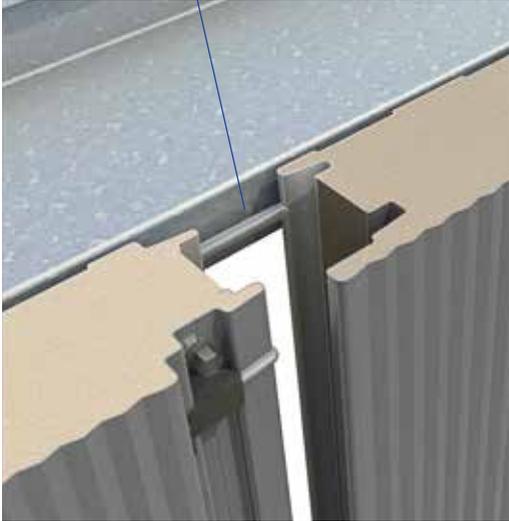
11. Fix the corner panel into position ensuring the vertical joint gap is constant with previously installed panels.
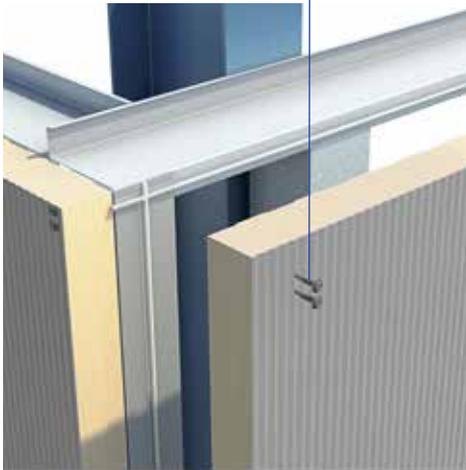
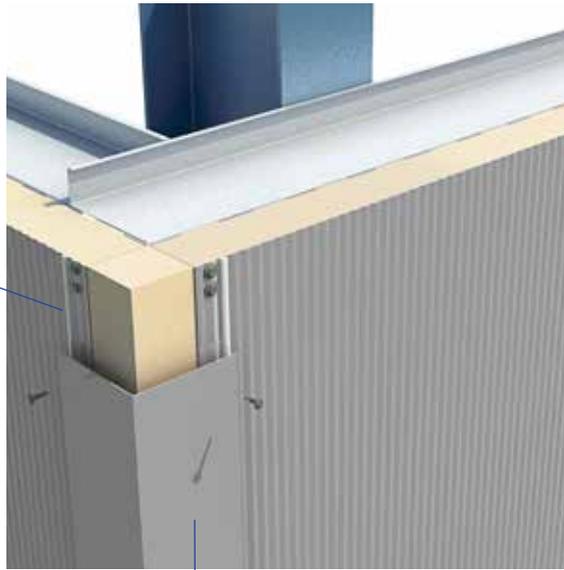12. Install site-applied PIR insulation board and gun applied canister insulation to fill gaps.
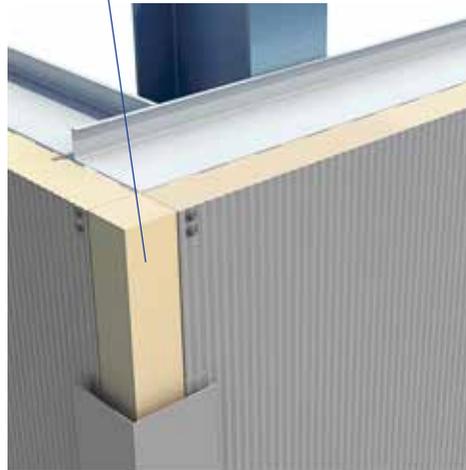
13. Cut corner panel to size using an Evolution type circular saw, ensuring it meets the inside edge of panel.

14. Apply 4mm Ø butyl tape sealant (site-applied) to the panel and ensure sealant is positioned weather side of fasteners.

15. Fix external corner flashing with low profile stitching screws at max. 450mm centres. Joints in the corner flashing should be overlapped and sealed with two runs of butyl sealant.

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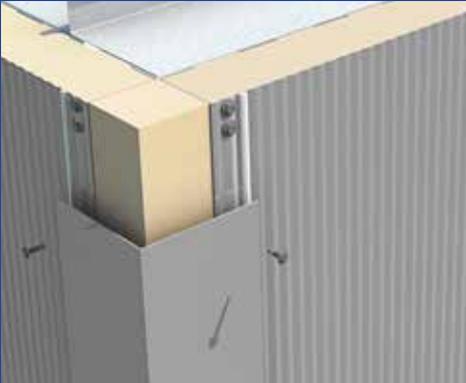
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