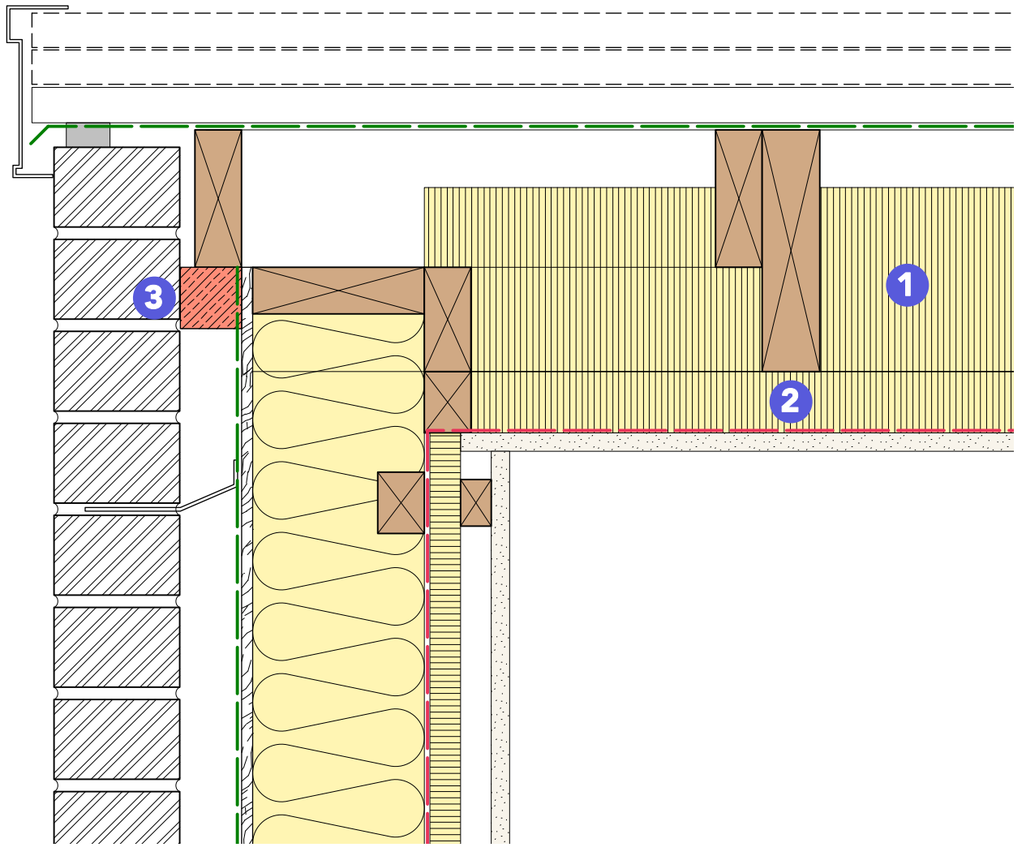
E13-01: Gable - Room in Roof Attic Truss - Insulation at Rafter

Psi Value: 0.047 W/mK

f Value: 0.92



Thermal Compliance Notes

1. 150mm PIR rigid insulation (0.022 W/mK) between rafters.
2. 50mm PIR rigid insulation (0.022 W/mK) to underside of rafters.
3. Cavity barrier.

Construction Notes

1. PIR insulation to inside of wall can be fitted hard to floor joist or underside of ceiling plasterboard, pending sequence of plasterboard installation.
2. Roof covering is shown indicatively, and subject to project specific design requirements.
3. Minimum 50mm ventilation space to roof void, (non-breathable roof membranes).
4. The thermal performance of the detail is unaffected for clipped and overhanging gable verge configurations.
5. Ensure masonry cladding differential movement allowance are located and fitted in accordance with STA differential movement technical guidance.
6. Membrane and VCL shown may help improve air tightness performance.

General Notes

1. The timber frame detailing arrangements shown are considered common industry practice and align with STA technical guidance and advice where required.
2. All non-timber frame construction detailing, design and specifications, are the responsibility of the Principal Designer.
3. All horizontal and vertical cavity barriers and firestops (timber, polythene sleeved or open state) are to be located and fitted in accordance with STA cavity barrier and firestopping technical guidance.
4. Brick wall ties are shown indicatively, and are subject to coursing and structural engineering project specific design, under the responsibility of the Principal Designer.