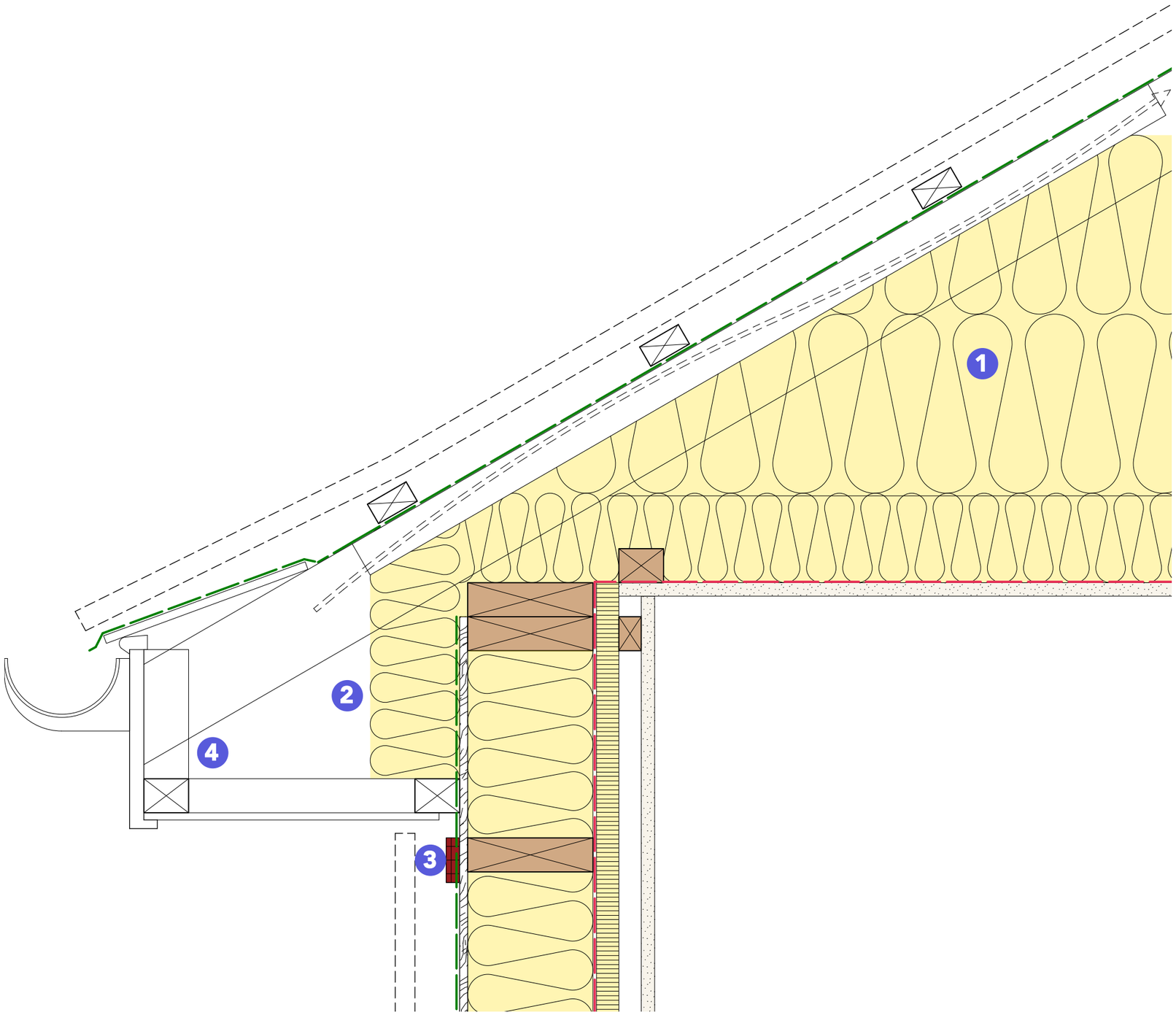
E10-01: Standard Roof Truss - Insulation at Ceiling Level

Psi Value: 0.077 W/mK

f Value: 0.91



Thermal Compliance Notes

1. 1x100mm, 2x200mm mineral wool insulation (0.044 W/mK).
2. 100mm mineral wool insulation (0.040 W/mK).
3. Open state cavity barrier.
4. 30° pitch.

Construction Notes

1. Non-masonry cladding system to be specified and detailed by Principal Designer.
2. When using non-masonry cladding systems, A2 fire rated sheathing is a requirement in England and Wales. It is the Principal Designer's responsibility to confirm fire safety requirements for non-masonry cladding systems in all regulatory locations.
3. PIR insulation to inside of wall can be fitted hard to floor joist or underside of ceiling plasterboard, pending sequence of plasterboard installation.
4. Roof covering is shown indicatively, and subject to project specific design requirements.
5. Minimum 50mm ventilation space to roof void, (non-breathable roof membranes).
6. Eaves detailing and insulation as shown is common industry practice. In England, the Principal Designer is required to verify building control acceptance, in accordance with Approved Document L, Clause 4.1.7.
7. Ensure non-masonry cladding and timber frame shrinkage/settlement allowances are in accordance with STA differential movement technical guidance.
8. 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.