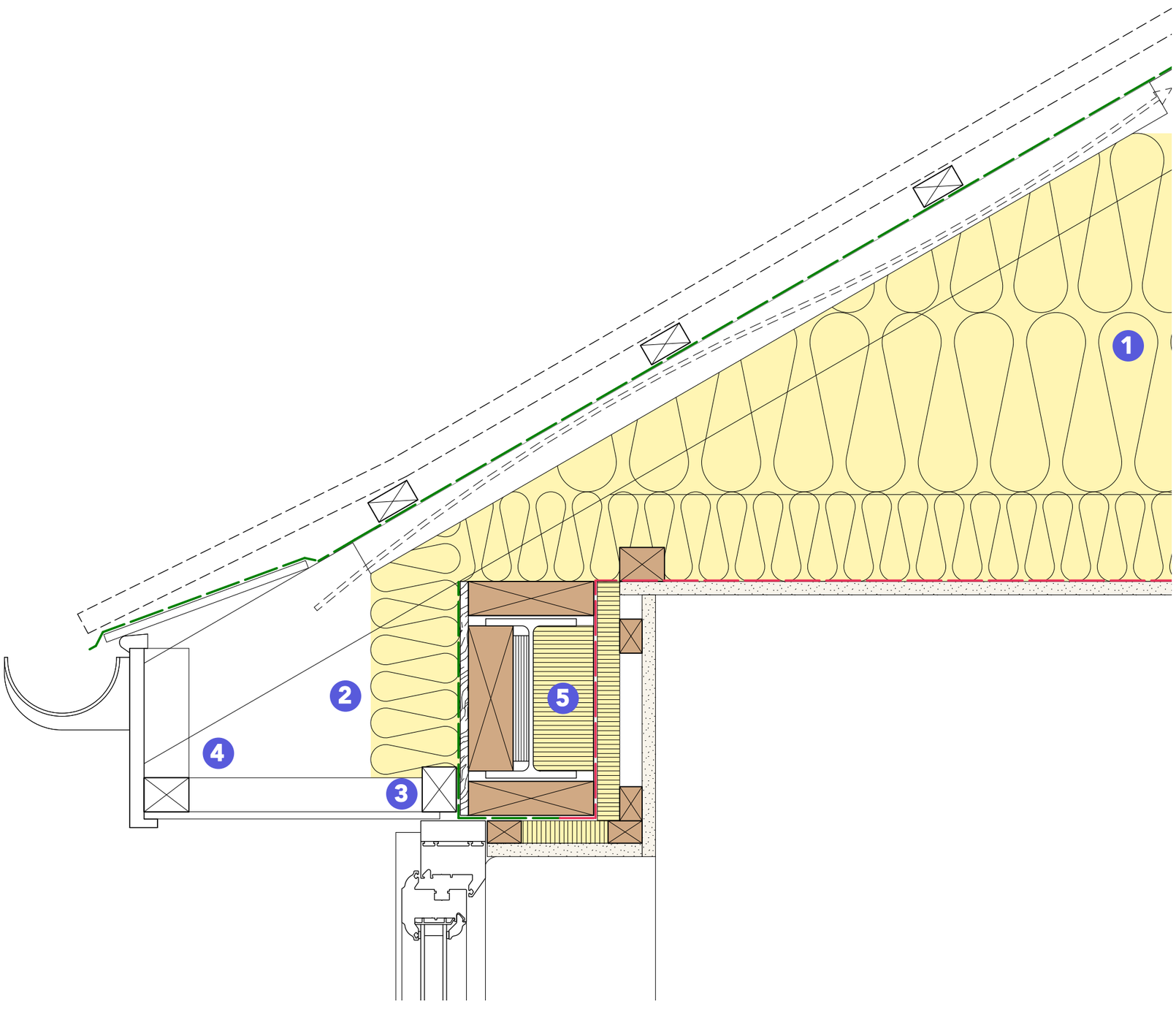
E2 -24: Eaves - Steel Lintel

Psi Value: 0.047 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. 38x50mm timber soffit support.
4. 30° pitch.
5. 67mm PIR rigid insulation (0.022 W/mK).

Construction Notes

1. Non-masonry cladding system to be specified and detailed by Principal Designer.
2. When using non-masonry cladding systems, sheathing to be A2 fire rated, in accordance with STA fire safety in use guidance.
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. Steel lintels, generally used over very large openings or very high point loads, subject to timber engineering design.
5. Roof covering is shown indicatively, and subject to project specific design requirements.
6. Minimum 50mm ventilation space to roof void, (non-breathable roof membranes).
7. 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.
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.