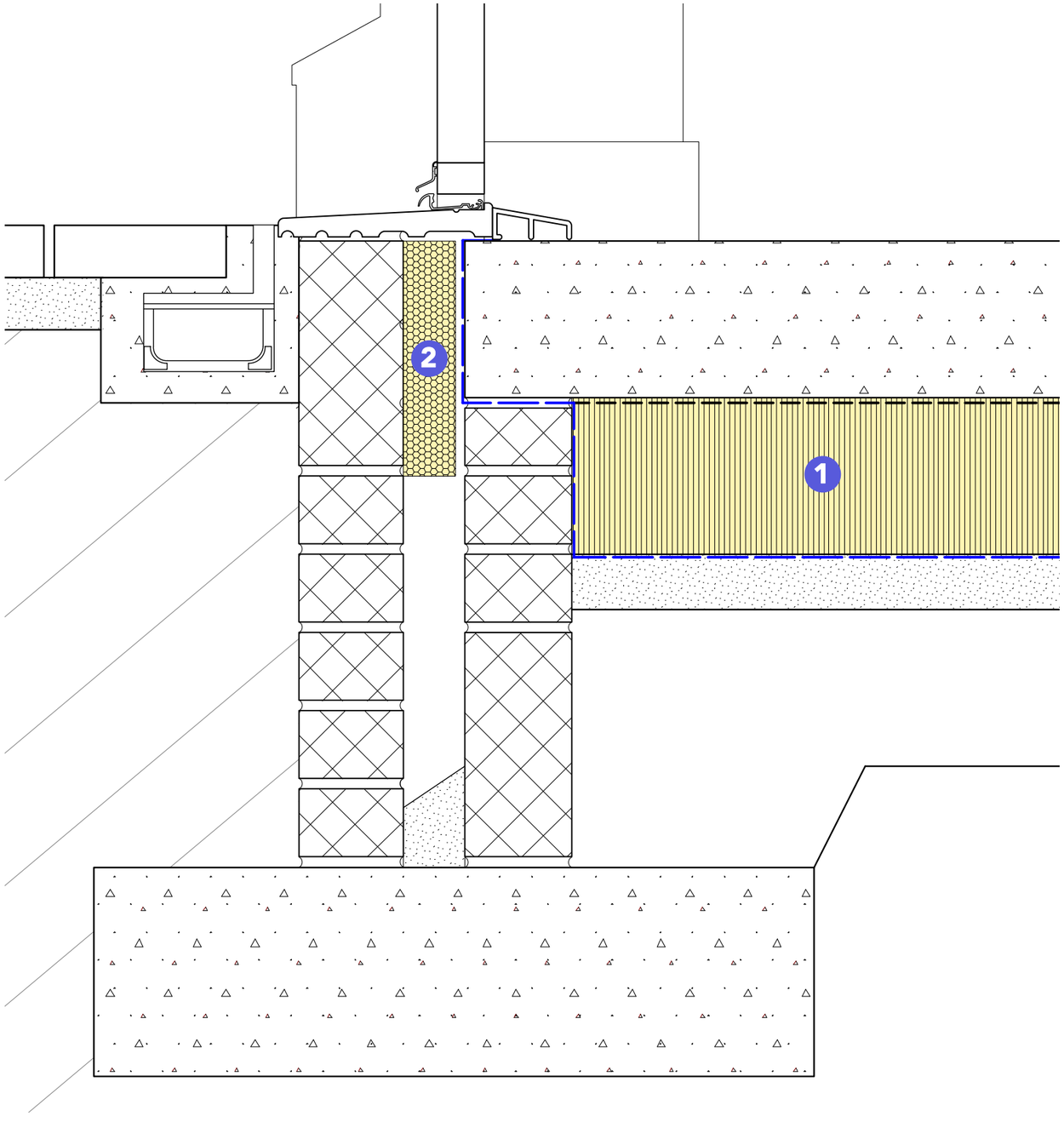
E3 -08: External Door Sill - Suspended Slab

Psi Value: 0.195 W/mK

f Value: 0.58



Thermal Compliance Notes

1. 150mm PIR rigid insulation (0.022 W/mK).
2. 50x225mm XPS rigid insulation (0.035 W/mK) locally within cavity under door threshold width only.

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. The Principal Designer should be aware that this detail may be prone to condensation and mould locally at the door threshold width. In operation, this may or may not materialise, due to door use and the overall thermal performance of the building. This detail can be improved by locally casting the suspended slab short of the inner blockwork wall and using either an insulated block, or high strength insulation material, at the door width.

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. Substructure detailing and ground floor construction, is subject to structural engineer's project specific design, under the responsibility of the Principal Designer.