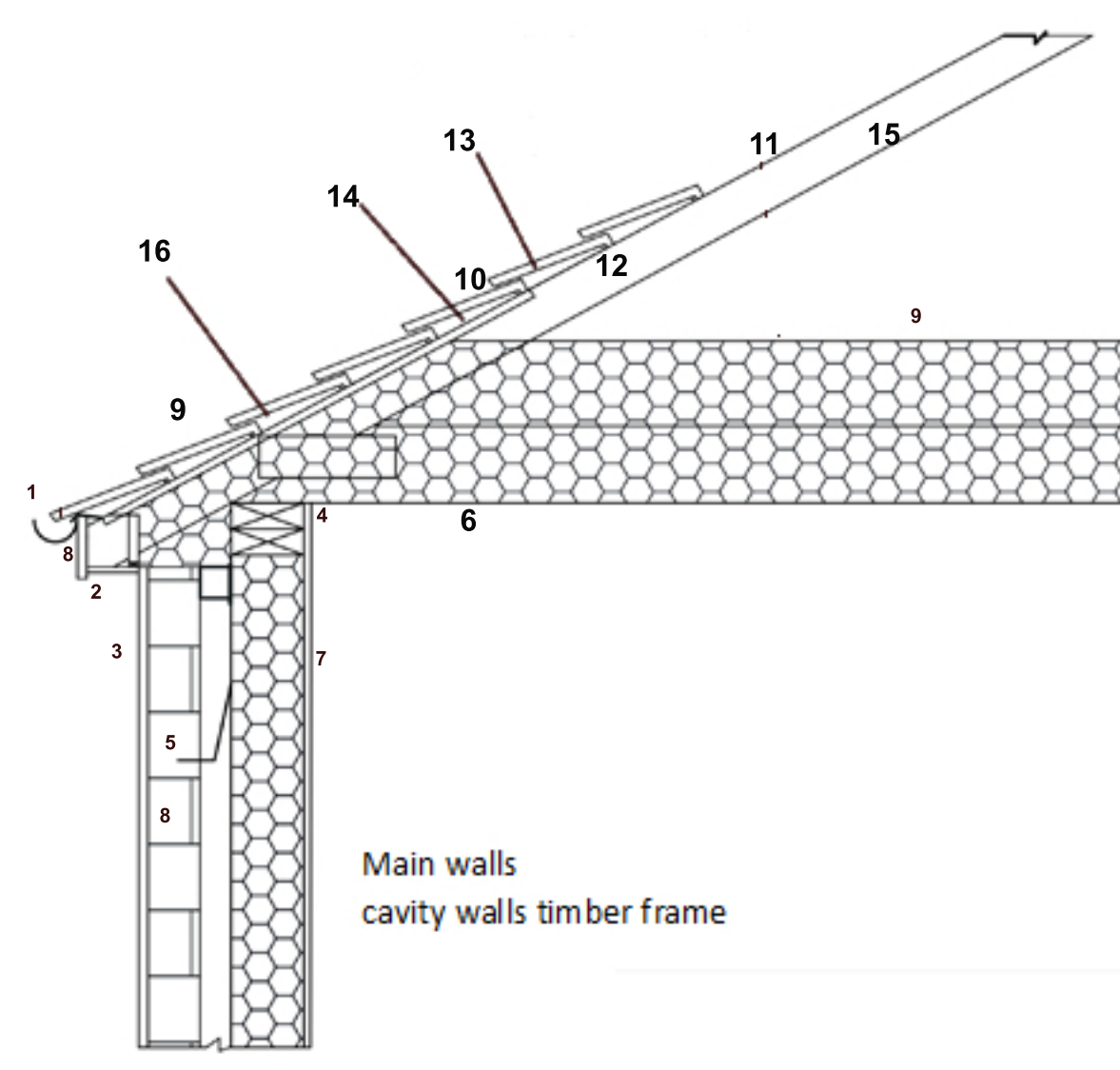
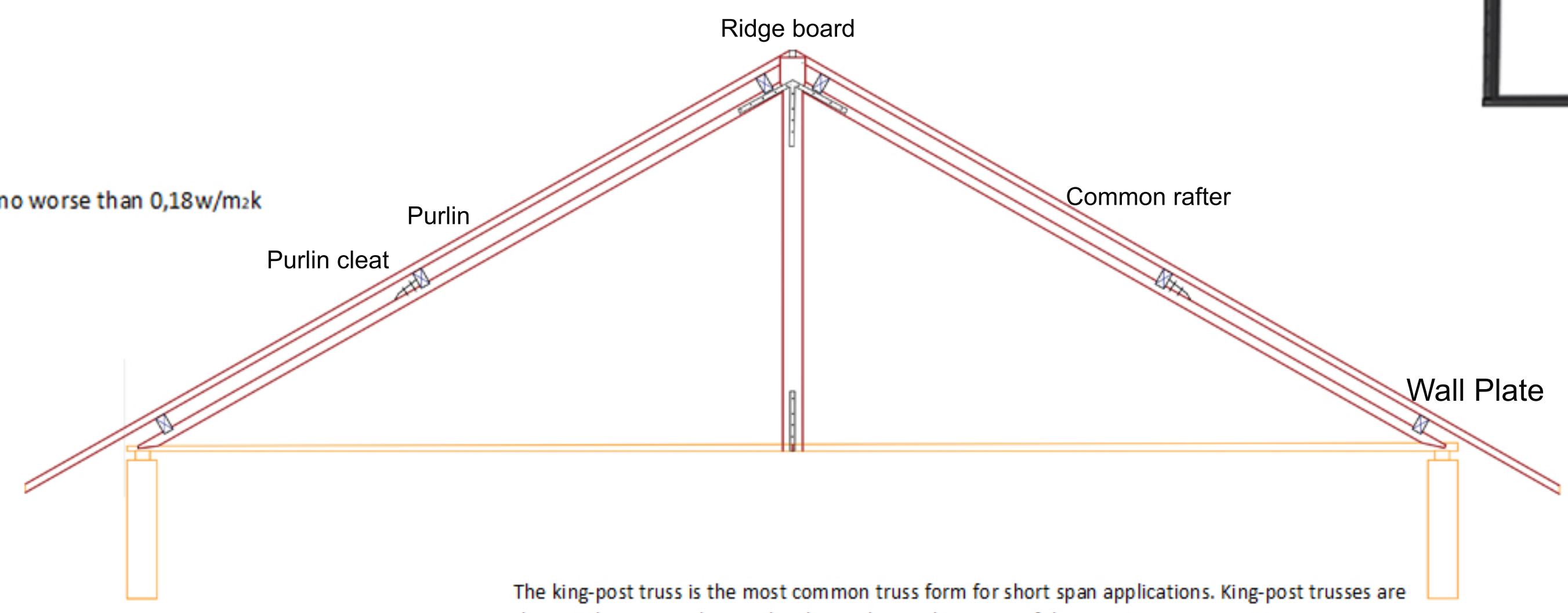


- 1 Rain water gutter and down pipe size as guidance details
- 2 Facial/soffit board
- 3 19mm External render
- 4 140*50 Headplate 140*50 Top Rail
- 5 Cavity Wall tie
- 6 Vapour checked plasterboard and skim
- 7 Plasterboard 12.5mm
- 8 100mm Brick outer-lear
- 9 Gaveg Hard lap
- 10 240*18 Facia
- 11 Breathable pelt
- 12 75mm counter batten over Rafter
- 13 25mm air space
- 14 expanded polystyrene
- 15 Rafter
- 16 Approximately 45mm air space



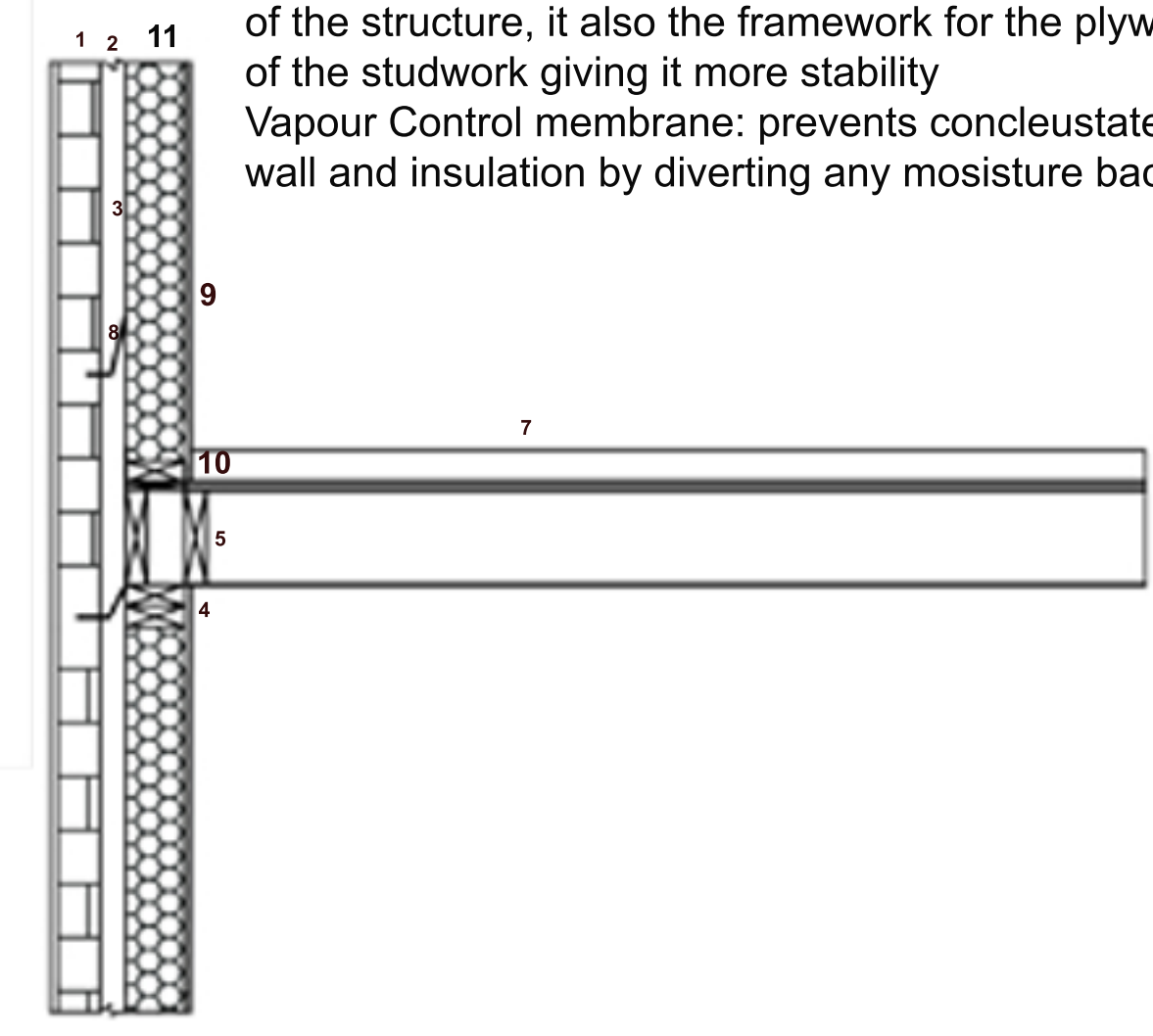
Roof
U-value no worse than 0,18w/m²k



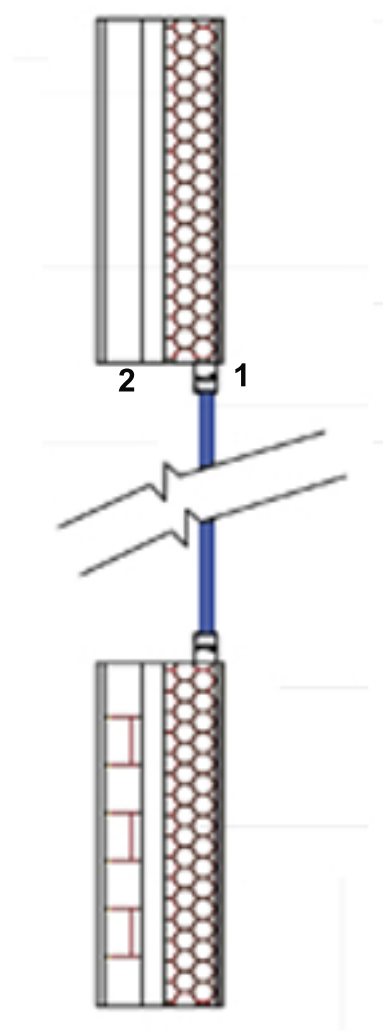
The king-post truss is the most common truss form for short span applications. King-post trusses are those with a principal vertical web member at the center of the span.

- Metal roof
Roof underlayment
Self adhered membrane
1/2" roof sheathing
Layers 1/2" rigid insulation
5/8" roof sheathing
- Cavity insulation
Common rafter
Ceiling joist
- 1/2" rigid insulation placed between rafters
3/8" gap for expanding foam sealant

- 1 100mm Block or Facing Brick Outer leaf
- 2 50mm Cavity
- 3 9mm Sheathing
- 4 Head Binder
- 5 Bridging to support floor material and ceiling plasterboard
- 6 225*50 Ceiling joist
- 7 75mm screed
- 8 Cavity Wall tie
- 9 internal plaster finish
- 10 Expansion gap at floor perimeter
- 11 100mm Internal wall



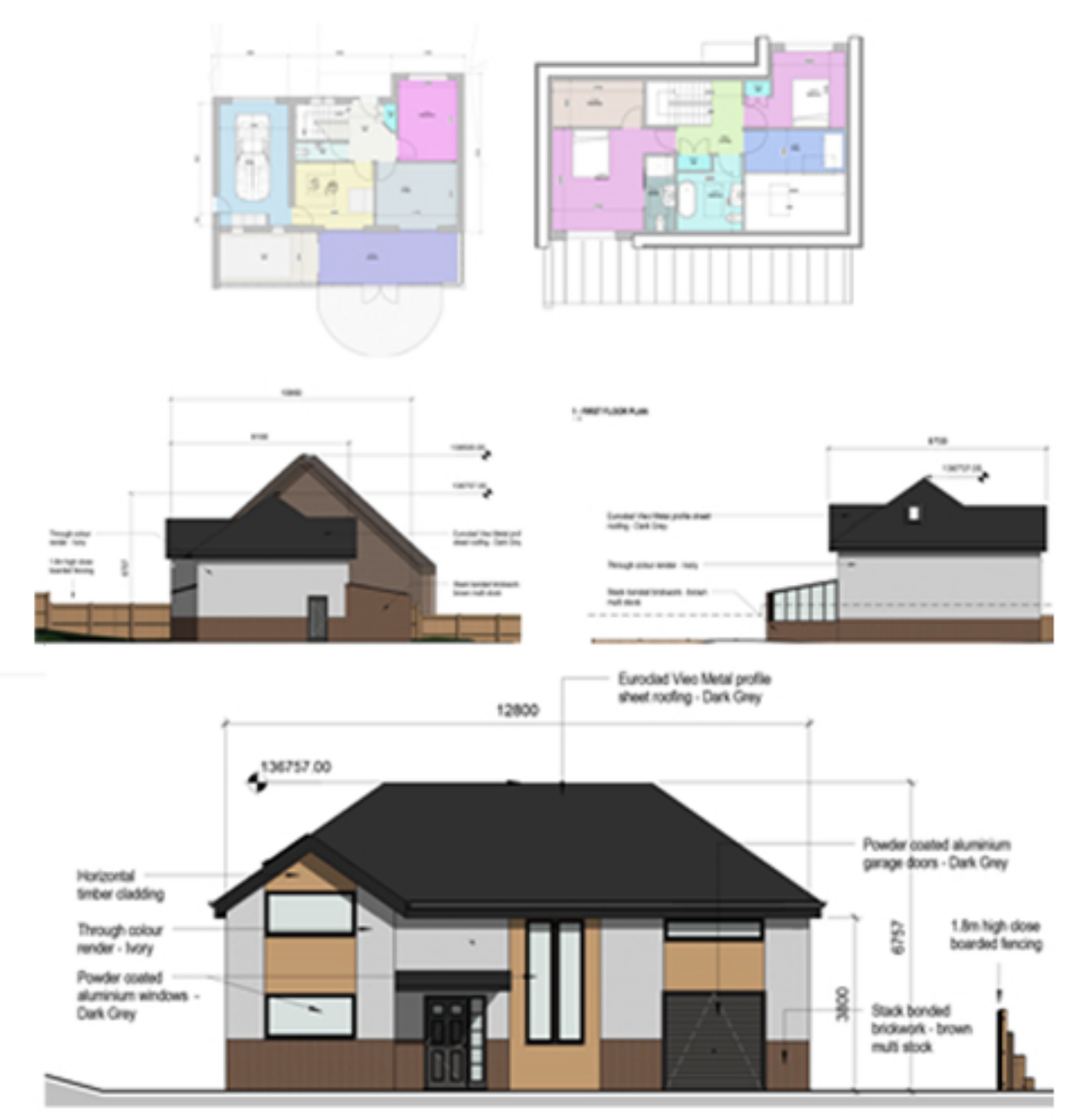
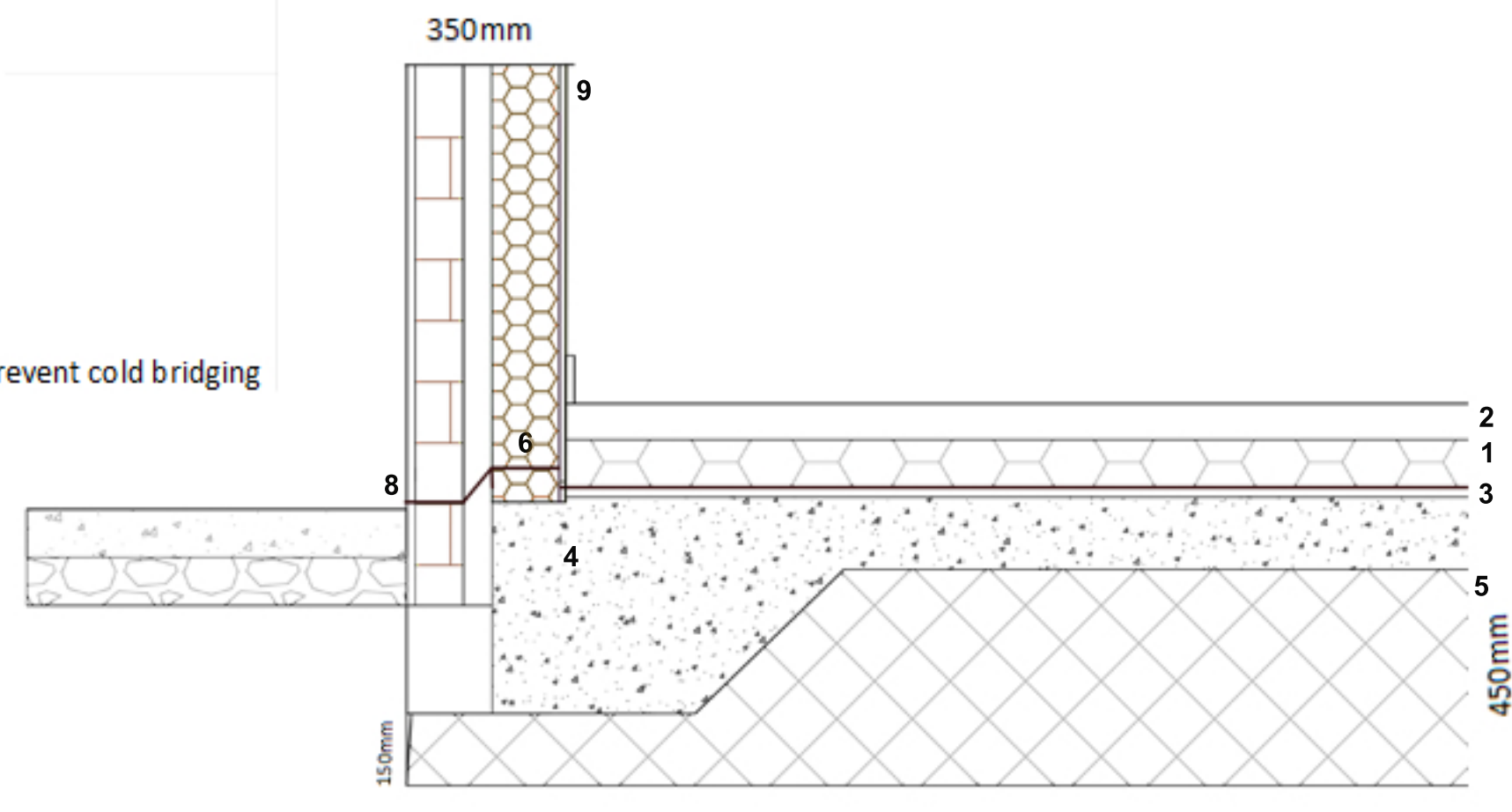
Plasterboard this is the finished internal surface of the panel and gives a surface to paint
Timber stod: this is the load bearing part of the panel that bears the weight of the structure, it also the framework for the plywood fitted on the outside of the studwork giving it more stability
Vapour Control membrane: prevents concleustate occurring between the wall and insulation by diverting any mosisture back into the internal room



U-value 0.3w/m²k
Doors,Windows and ventilation

- 1 Window head overlapping prevent thermal bridge
 - 2 Ensure masonry overhang does not exceed 25mm
- All Doors to achieve a u value of 1.80w/m²k
- Ventilation
- Shower ..ventilation to be connected to light switch and to have at least 10-15min if no windows in the room
- Kitchen...sealed to prevent entry of moisture internal doors should be provided with a 15mm gap below to let the air circulation

- 1 Insulation 100mm turned up at edges to prevent cold bridging
- 2 75mm Screed
- 3 Sand 20mm
- 4 Raft Foundation
- 5 Hardcore 150mm layers
- 6 Bottom rail
- 7 Airtight tape
- 8 Dpc
- 9 Vapour control layer



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2015656