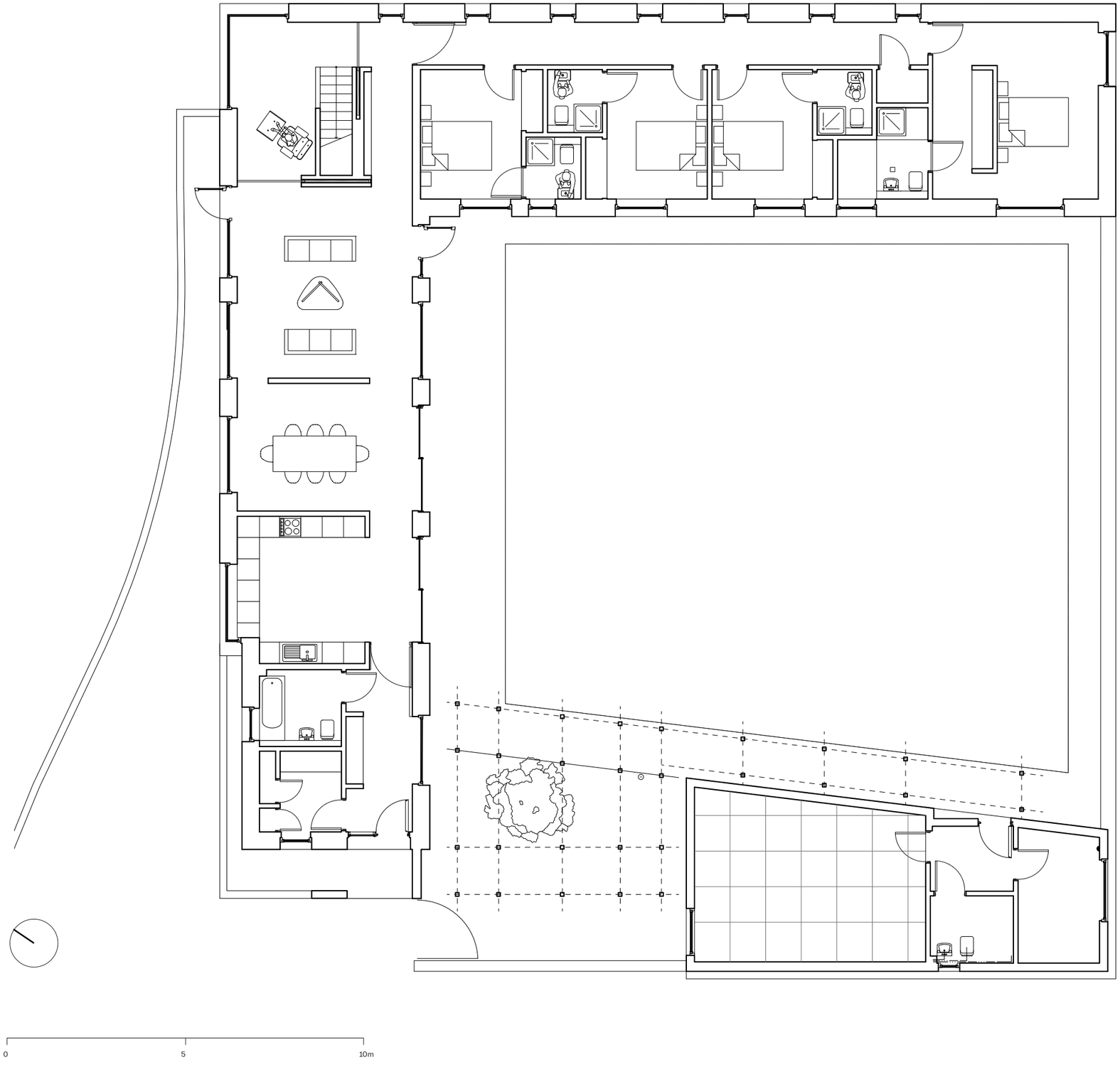
UNSAF
BUILDIN
KEEP OU

PLAN



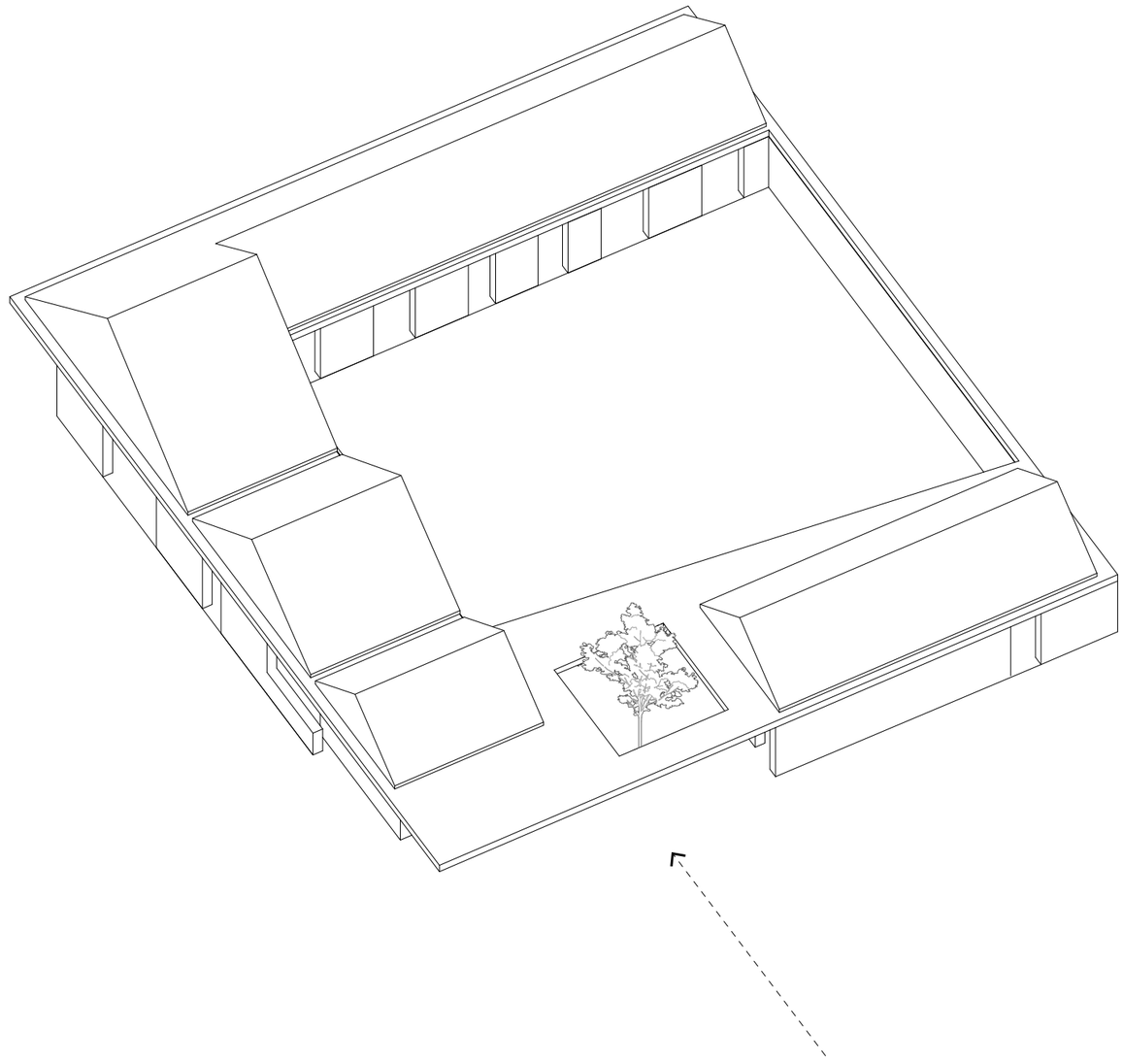
Plan.

SECTION

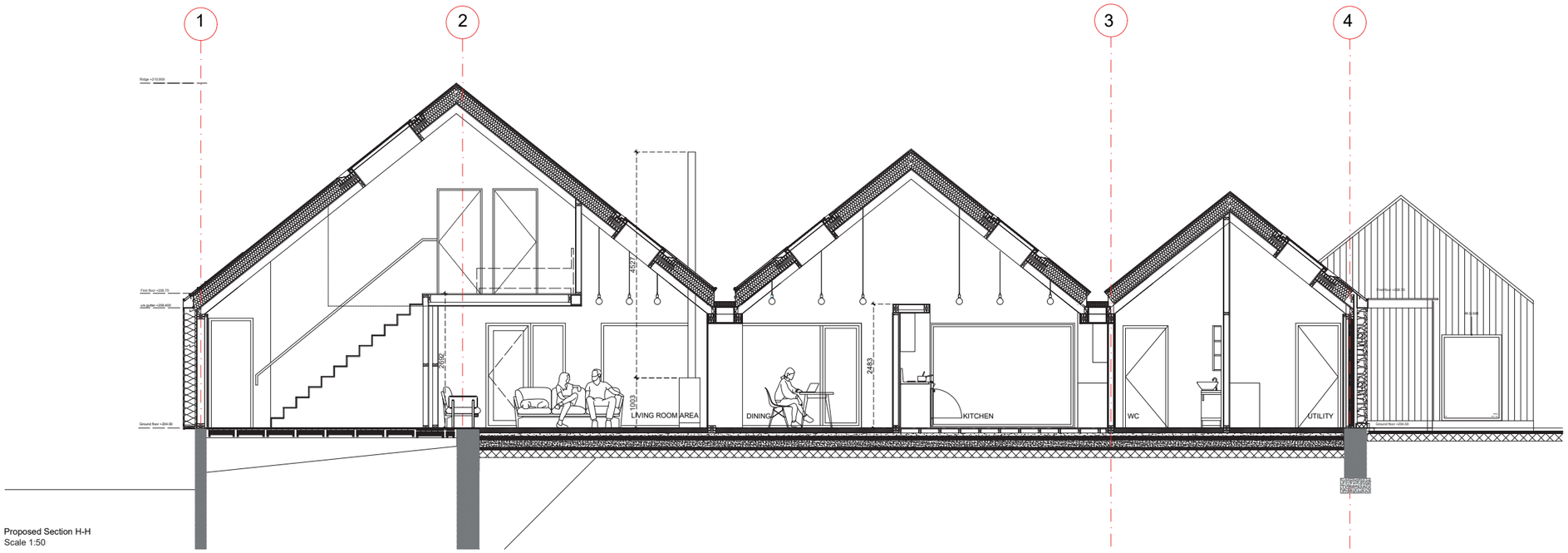
0 5 10m

Plan.

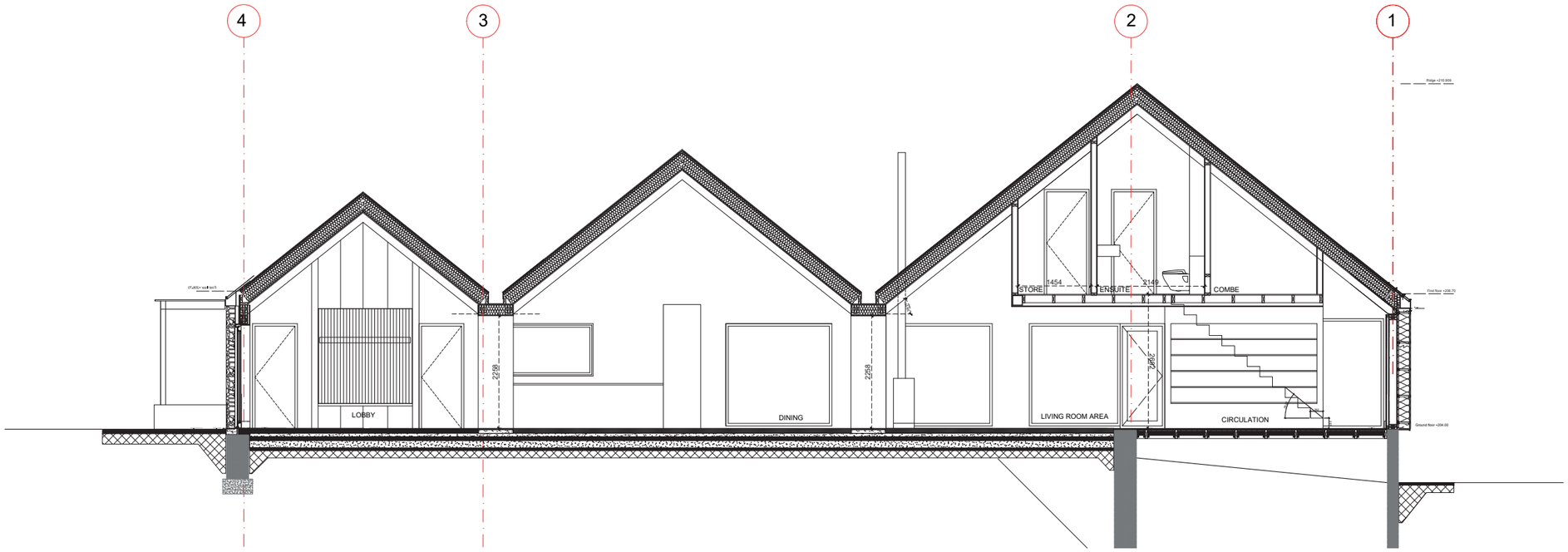
AXO



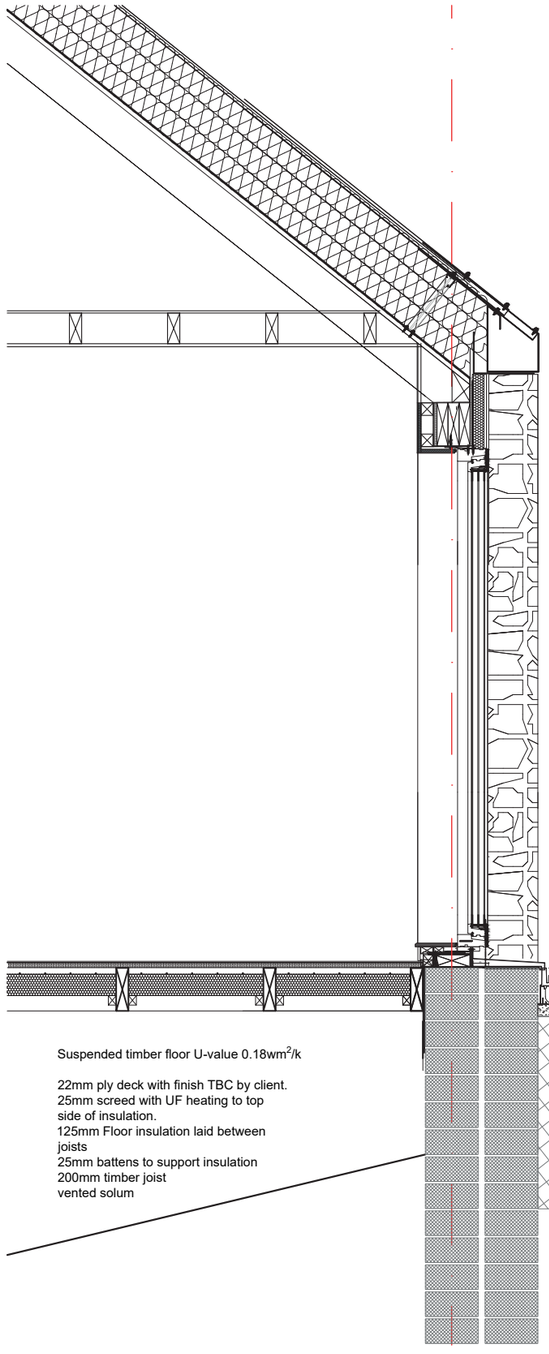
Courtyard



Proposed Section H-H
Scale 1:50

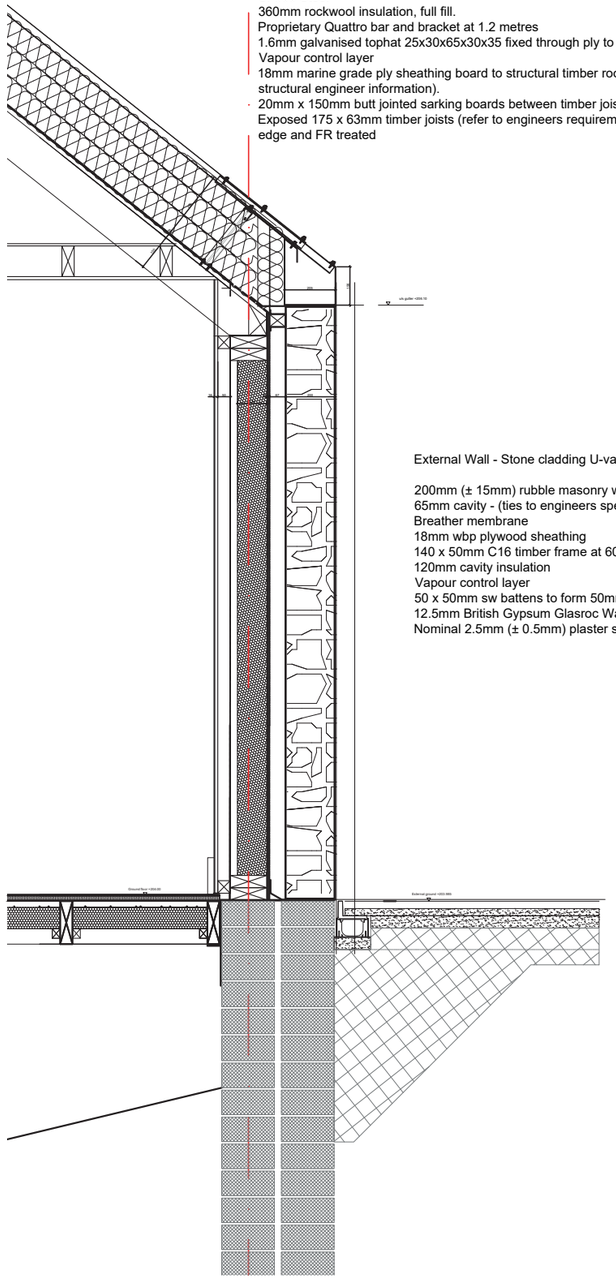


Proposed Section K-K
Scale 1:50



Suspended timber floor U-value 0.18wm^2/k

22mm ply deck with finish TBC by client.
25mm screed with UF heating to top
side of insulation.
125mm Floor insulation laid between
joists
25mm battens to support insulation
200mm timber joist
vented solum

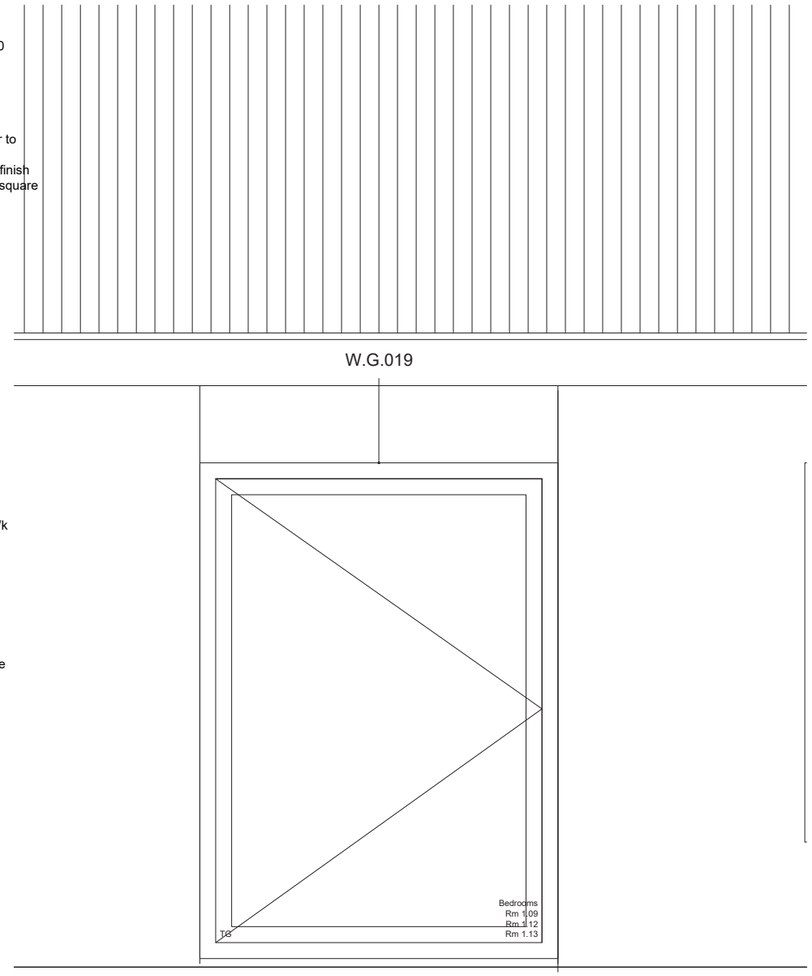


Roof Construction - Sinusoidal roof build up: U value 0.14 Wm^{2}k

Sinusoidal corrugated aluminium sheet panels, coloured. Euroclad EC 54-500 SF500 Steel
360mm rockwool insulation, full fill.
Proprietary Quattro bar and bracket at 1.2 metres
1.6mm galvanised tophat 25x30x65x30x35 fixed through ply to rafters
Vapour control layer
18mm marine grade ply sheathing board to structural timber roof rafters (refer to structural engineer information).
20mm x 150mm butt jointed sarking boards between timber joists as internal finish
Exposed 175 x 63mm timber joists (refer to engineers requirements), planed square edge and FR treated

External Wall - Stone cladding U-value 0.22 Wm^2/k

200mm (± 15mm) rubble masonry wall
65mm cavity - (ties to engineers spec)
Breather membrane
18mm wbp plywood sheathing
140 x 50mm C16 timber frame at 600mm c/c
120mm cavity insulation
Vapour control layer
50 x 50mm sw battens to form 50mm service zone
12.5mm British Gypsum Glasroc Wallboard
Nominal 2.5mm (± 0.5mm) plaster skim



Proposed elevation extract