



50 x 50mm timber noggin

3 layer built-up felt roofing carried over timber fillet below the ridge tile

18mm wbp plywood roof decking

Furring timber above roof joists to give min. 1:60 roof slope

50mm air gap above insulation

1No. Areco aluminium type "A" breather vent centrally located near the ridge of the flat roof complete with all necessary flashing

Glidevale 600mm long cross rafter ventilators fixed along the total length of each furring timber below the plywood decking

Segmental ridge tile

Dry ridge batten section

Eaves tile

Plain tile with minimum 65mm headlap

Treated timber battens at max. 100mm gauge

UV durable underlay

50mm air space

Plain tile ventilator at 1.5 metre c/c

2No 600mm long cross rafter ventilators fixed to each rafter below the tiling underlay

Skim coated Kingspan Kooltherm K18 insulated dry-lining board consisting of 25mm phenolic insulation and 12.5 plasterboard

140mm Celotex XR3000 insulation fixed between rafters

195 x 38mm x C24 ceiling joists at 600mm c/c

203 x 133 x 30 UB Grade 43 steel beam supported on steel column and secondary steel beam

195 x 50mm timber noggin fixed between ceiling joists to be bolted to steel beam with M10 bolts

Skim coated 12.5mm plasterboard

150mm Celotex XR3000 insulation fixed between rafters

195 x 38mm x C24 ceiling rafters at 450mm c/c

**RIDGE DETAIL No. 1**  
**1:10**