

CONSTRUCTION NOTES

The existing roof is constructed as a traditional purlin and rafter roof with a covering of Welsh blue slate. The existing roof timbers are to remain undisturbed.

The new purlins will be built into the new external wall and span and be supported by the existing house wall that will be built around the purlins.

The new roof will have a covering of Welsh blue slate to a pitch of 35 degrees. The slates are to be fixed to the manufacturer's specifications and to all British Standard Code of Practices.

The roof timber will be 125mm x 50mm at 400mm centres with timber wallplates of 100mm x 75mm. The wallplates are to be secured by galvanised steel wallplate straps at 1800mm centres and extend down and be secured 900mm to the inner block walls.

ROOF COMPONENTS

The new roof will have a 250mm x 75mm timber hip rafter secured at the foot of the rafter with a dragon tie secured to the top of the wallplate, the tie will restrain the rafter from any lateral thrust. The opposite valley rafter 250mm x 75mm will be secured to the top of the existing masonry wall with a mechanical restraint fixing bolted into the wall, further support will be offered by the new 125mm block wall and mechanical fixing. The inter-sections of the hip and valley rafter with the two main ridgeboard will by to plywood saddle boards and a series of mitre angle cuts of the members to form a interlocking feature.

250mm x 100mm SC4 timber purlins will have end bearing onto the existing and new masonry wall, the existing wall is to be built up in a triangular detail to form support for the purlin and ridgeboard. A exterior grade plywood layboards is to be fixed above the existing jack rafters to form a fixing for the ends of the new diminishing rafters.

VALLEY GUTTERS

Pitched valley gutters to provide weathering to the inter-sections between the two pitch roofs to be formed with BLM milled code 5 lead in maximum lengths of 1500mm. Tilting fillets running parallel with the gutters to allow the lead to be dressed over the fillet and up under the slate to a length of 225mm.

Each joint shall have a stepped weir dressed under 225mm to form an expandable watertight joint in 1500mm lengths.

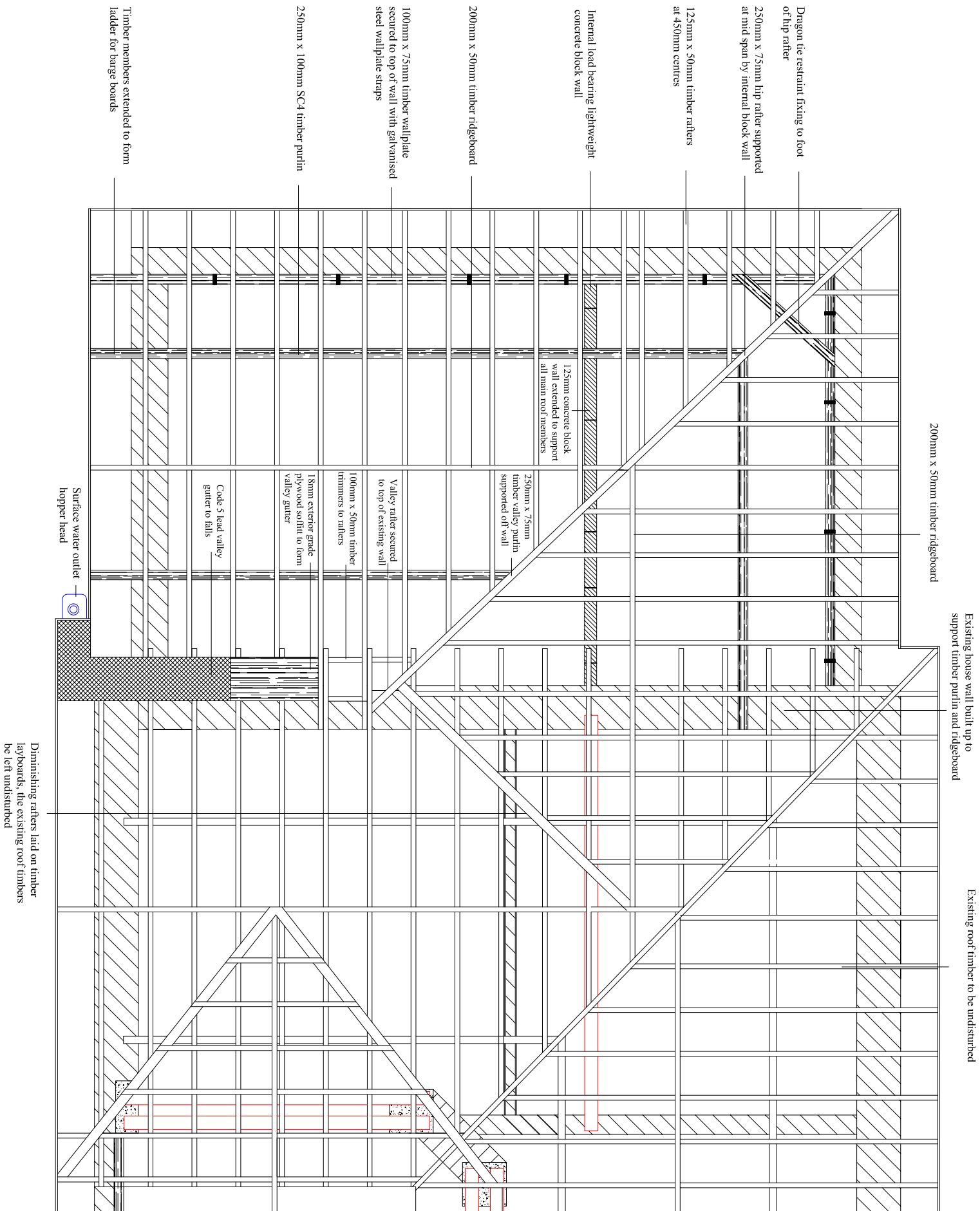
HEATING

The existing system is to be extended into the enlarged lounge and bedroom with the installation of new radiators the new radiators will have automatic thermostatic controls.

LIGHTING

All new light fittings shall be capable of using low energy high efficiency light bulbs. High efficiency lighting points are located on the first floor landing and in the en-suite bathrooms.

PLAN LAYOUT OF PROPOSED AND EXISTING ROOF TIMBERS



SCALE 1:50

DRAWING NO. 09