

NOTE: * all values to be calculated to ensure current BC compliance.

Rosemary roof tiles

tile battens

breathable roof membrane

counter battens

152x89 US portal frame subject to engineers detail

ditto purlin & eaves beam

shaped, treated sw filler on ridge beam
152x89 ridge beam

cleated connection between ridge beam & portals to steel workers detail

rafters notched into ridge beam

DETAIL B

RIDGE BEAM DETAILS

DETAIL C

existing eaves detail cut back

new roof

new lead valley

existing ceiling @ 2220 above floor level

existing cavity wall

sw rafters, sizes subject to engineers detail. All notched into steel purlins & eaves beam

75mm insulation*

150mm insulation between rafters & purlins*

vapour check membrane

12.5mm p.b & s.

second hand brick outer leaf

50mm cavity

100mm Kingspan high performance insulation*

100mm Thermalite* or equal lightweight concrete block inner skin

insulation

new portal frame

plasterboard & skim on sw framing to form above to clients spec.

DETAIL A

EAVES DETAIL - NEW EXTERNAL WALL

VALLEY DETAIL - EXTG EXTERNAL WALL

PROPOSED SINGLE STOREY EXTENSION

SCALE 1/5 @ A3

4, LOWER AMBION FARM, SUTTON CHENEY

9.2.24

DWG NO. 2024/3