



Roof - to consist of 'Sandtoft' grey flat concrete tiles at 20° pitch to match existing onto 50 x 25 mm s.w. battens onto one layer of 'Tyvec' breathable felt onto roof trusses at 600 mm maximum centres to B.S. 5268 pt. 3 - '85. Builder to forward copies of calcs. and design for trusses to Building Inspector. Roof trusses clipped to 100 x 50 wallplates which are held down by mild steel straps at 2m centres taken at least 1m down the inside of walls. 100 x 25 mm timber bracing fitted to node points and diagonally upto gable. Insulation to be either 'Kingspan' 100 mm thick between rafters + 45 mm thick Kingspan under. OR 'Kooltherm' 100 mm thick between rafters + 45 mm under.

12.5 mm plasterbd & finish under with grid system of noggins for plasterbd end support. Gable end to have anchor ties at 1.80m centres well secured to blockwork & spanning three number trusses. Code 4 lead flashing to all new roof tile and brickwork abutments.

Drwg. No. SF/22/04

PROPOSED EXTENSION.

2 GRANGE FARM

COTTAGES

MAIN STREET

SOUTH MUSKHAM

NEWARK. NG23 6EE.

Scale 1:50

Date June 2022.

foundations. - to be 600 mm wide x 1 metre deep trench fill concrete founds to all new external walls. Final depth of founds. agreed on site with Building Inspector. Internal block wall built off thickened out concrete floor slab.

floor construction. - to consist of 65 mm sand & cement screed onto 100 mm site concrete. onto 100 mm thick Celotex GA4000. onto 2000 g d.p.m. onto 150 mm well consolidated clean limestone hardcore onto a firm sub-soil base - all vegetable soil removed from area of extension.

external walls. - 300 mm wide with 100 mm wide buff/brown bricks to match existing, 100 mm wide cavity filled with insulation with thermal conductivity of 0.021 W/mk. & 100 mm wide blockwork inner leaf with T.C. of 0.15 W/mk. - 12.5 mm plasterboard & finish onto plaster dabs. New walls joined to existing using 'Bluebird' well secured wall ties at 450 mm centres. New cavities to have to have stainless steel twist type wall ties at 750 horiz. centres and 450 mm vertical. Catnic mild steel insulated lintels over all openings in the external wall with minimum 150 mm end bearing.