

CAVITY WALLS ABOVE DPC LEVEL - extension

External walls to comprise 103 facing brickwork to match existing with stainless steel wall ties to BS 1243:1978 set at staggered centres 750 horizontally and 450 vertically, reduced to 225 centres around openings, 100 cavity with 90 thick Recticel Eurothane+ cavity board insulation, 100 lightweight insulating blockwork (Thermalite Shield or similar), 12.5 plasterboard on dabs with skim finish
Minimum 'U' value of 0.15w/m²k
Thermabate or similar cavity closers to openings

EXTERNAL WALL LINTELS

All lintels to openings in external walls not indicated as steel beams are to be CATNIC or similar with anti corrosion treatment and integral DPC and stop ends for use with masonry construction or precast concrete to suit location.
Install lintels on a mortar bed allowing a min. 150mm end bearing on each end with 2No. weepholes over openings.
All steel lintels to be encased in 15mm fire line board or similar to achieve ½hr fire protection where appropriate.

INTERNAL PARTITIONS

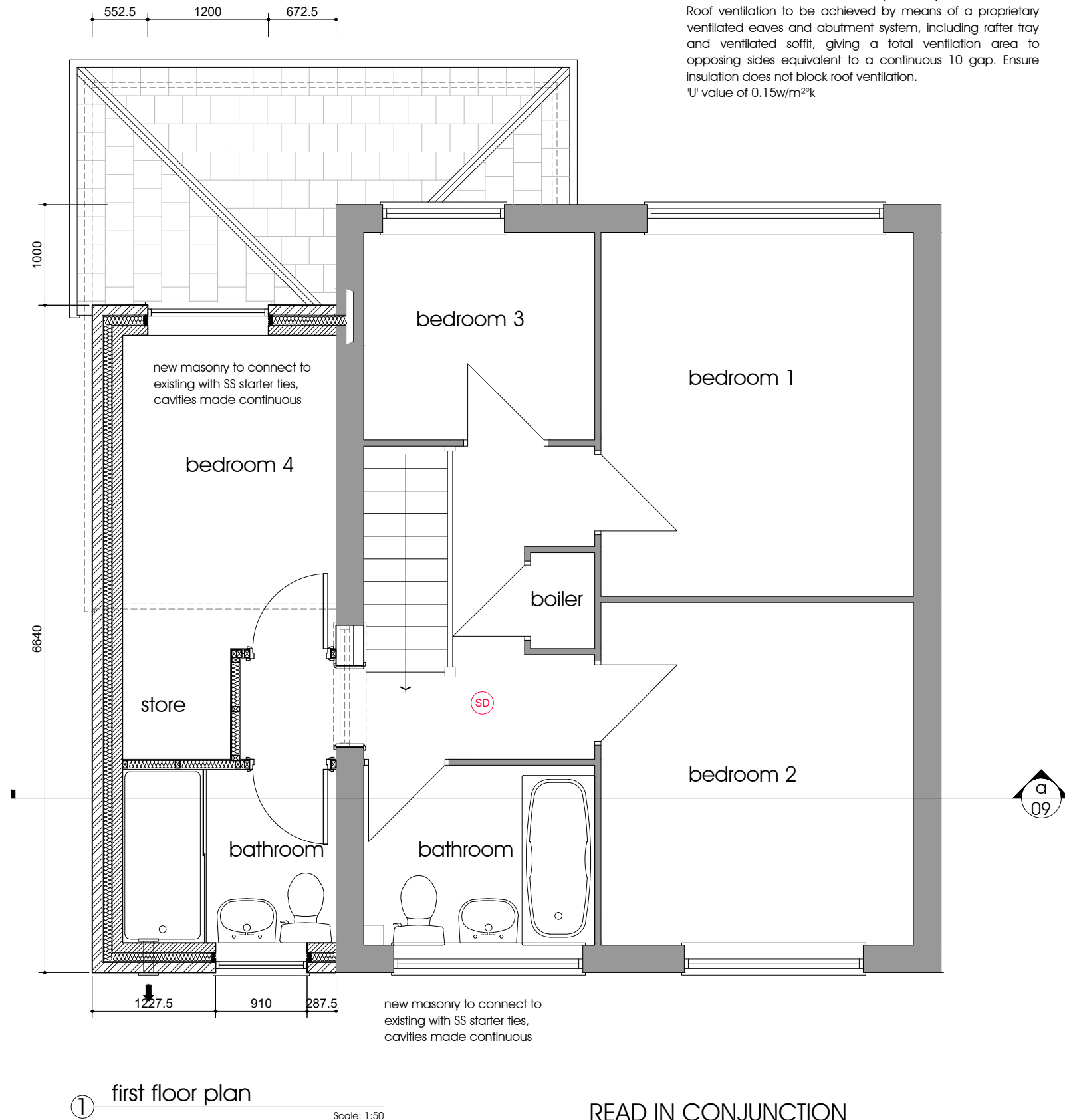
new partition in minimum 75x50 SW stud or to match size of existing walls with 12.5 wallboard finish to both sides, provide 25mm Isover Acoustic Partition Roll (APR 1200) insulation between studs. Sound Insulation (Airborne) Rw (dB) 38 minimum.

ROOF CONSTRUCTION - extension

Interlocking tiles to match existing on 50x38 treated SW battens to BS5534 with 100 head lap on breathable membrane sealed at laps with 75 wide double sided tape supported on minimum 150x47 C16 rafters @ 400 maximum centres fixed using truss clips/heavy duty joist hangers to wallplate to wall
Provide DUPLEX plasterboard ceiling supported on 125x50 treated SW ceiling joists @ 400 centres with 100 mineral wool insulation between and 2N° 100 layers over joists.
Roof ventilation to be achieved by means of a proprietary ventilated eaves and abutment system, including rafter tray and ventilated soffit, giving a total ventilation area to opposing sides equivalent to a continuous 10 gap. Ensure insulation does not block roof ventilation.
'U' value of 0.15w/m²k

ROOF CONSTRUCTION - garage and porch

Interlocking concrete tiles to match existing on 50x38 treated SW battens to BS5534 on breathable membrane supported on 150x50 rafters at 600 maximum centres fixed using truss clips to wallplate to walls @ pitch to match existing.
Provide DUPLEX plasterboard ceiling with 100 mineral wool insulation between joists and 170 over to flat ceiling area.
Roof ventilation to be achieved by means of a proprietary ventilated eaves and abutment system, including rafter tray and ventilated soffit, giving a total ventilation area to opposing sides equivalent to a continuous 10 gap. Ensure insulation does not block roof ventilation.
'U' value of 0.16w/m²k



1 first floor plan Scale: 1:50

roof plan Scale: 1:100

status
PLANNING
job no

drawing number
07 a
title
proposed first floor plan
proposed roof plan

scale
1:50 1:100 @ A3
date
february 2025
project
5 sycamore close
littleborough
proposed extensions

client
mr & mrs g quinn

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WITH GENERAL NOTES 10