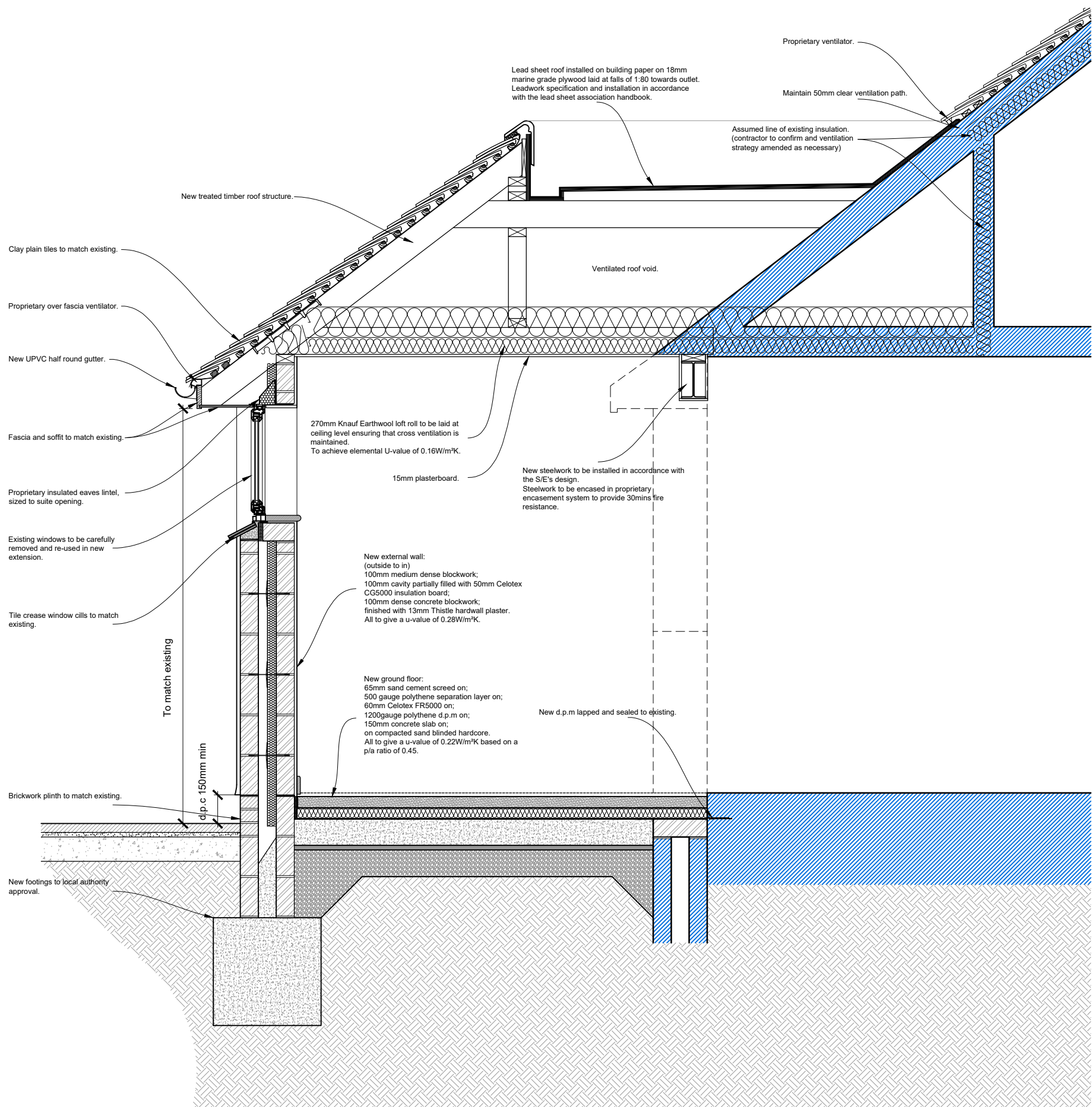




Proposed Section A-A

1:25

CONSTRUCTION NOTES

1. Structure:

New footings to local authority approval.

2. Floors:

a. New Ground Floor:

Ground Floors: to comprise of 65mm fibre reinforced cement/sand screed (1:3); to receive finishes on; 500gauge polythene separation layer on; 60mm Celotex FR5000 on; 1200 gauge polythene d.p.m on; 150mm concrete slab on; 25mm sand blinding on; 150mm hardcore.

Ground Floor construction to provide an Elemental U-value of 0.22W/m²K calculated using a P/A ratio of 0.45.

3. External Walls

a. Below ground:

Outer leaves of external walls up to within 75mm of ground level, and inner leaves of external walls up to underside of ground floor construction are to be in dense concrete block, minimum crushing strength 7N/mm2.

Cavities to be filled to within 225mm of ground level with lean mix concrete, and the top surface weather struck to shed water to the lowest adjacent ground level; with weep holes formed in the appropriate leaf at 900mm centres.

b. New Insulated Cavity Walls:

New walls are to have continuous cavities with existing where possible alternatively a vertical D.P.C is to be installed.

Facing brickwork to match existing; 100mm cavity partially filled with 60mm Celotex FR5000 insulation board built in against an inner skin of 100mm dense concrete blockwork; finished with 13mm Thistle Hardwall plaster; all to give a U value of 0.28W/m²K.

Ancon ST1 Stainless steel double triangle wall ties to be built in at 750mm centres horizontally and 450mm centres vertically, rows staggered 450mm horizontally; all fitted with insulation retaining clips. Ties to be built in at 225mm centres vertically at jambs of openings.

Cavities are to be closed at the cill and jambs of openings, and the top of cavity walls, with Rockwool Rockclose insulated dpc.

4. Lintels

a. Internal:

To be pre-cast concrete to masonry walls, of suitable size and strength, as approved by the structural engineer, built in with a minimum 150mm bearing at each end.

b. External:

External: to be insulated, galvanised steel, of suitable size and strength, with stop ends, all as approved by the structural engineer, built in with a minimum 150mm bearing at each end.

5. D.P.C.'s

a. Lead flashings are generally to be of code 4 lead; all leadwork to be formed and installed as per CP 143 pt.11, and Lead Development Association handbook.

Where lead is to be built into masonry, as opposed to being tucked into joints, is to be coated with bituminous paint after being formed, but prior to being built in.

Exposed leadwork is to be treated with quick-drying 'weathering' oil, applied vertically or horizontally.

b. Standard proprietary cavity trays to be installed in accordance with the manufacturers guidelines. Weep holes are to be formed in the outer skin perp joints at 900mm centres. Trays are to project a minimum of 150mm either side of the protected area; and to be fitted with stop ends.

c. All new masonry walls are to have a bitumen polymer d.p.c. built into the inner skin at the top of ground floor slab level; in the outer leaf of external walls 150mm minimum above ground level. Where the level of the external paving dictates, the d.p.c. is to be built into the mortar joint of the outer leaf 150mm minimum above paving level. The d.p.c. is to be stepped as required to achieve this.

Project:

51B Longwood Avenue
Waterlooville

Title:

Section A-A

Drwg No: 105

Rev. No: -

Scale: 1:25@A3

Drawn by: SCR

Date: 12.16

Checked by: