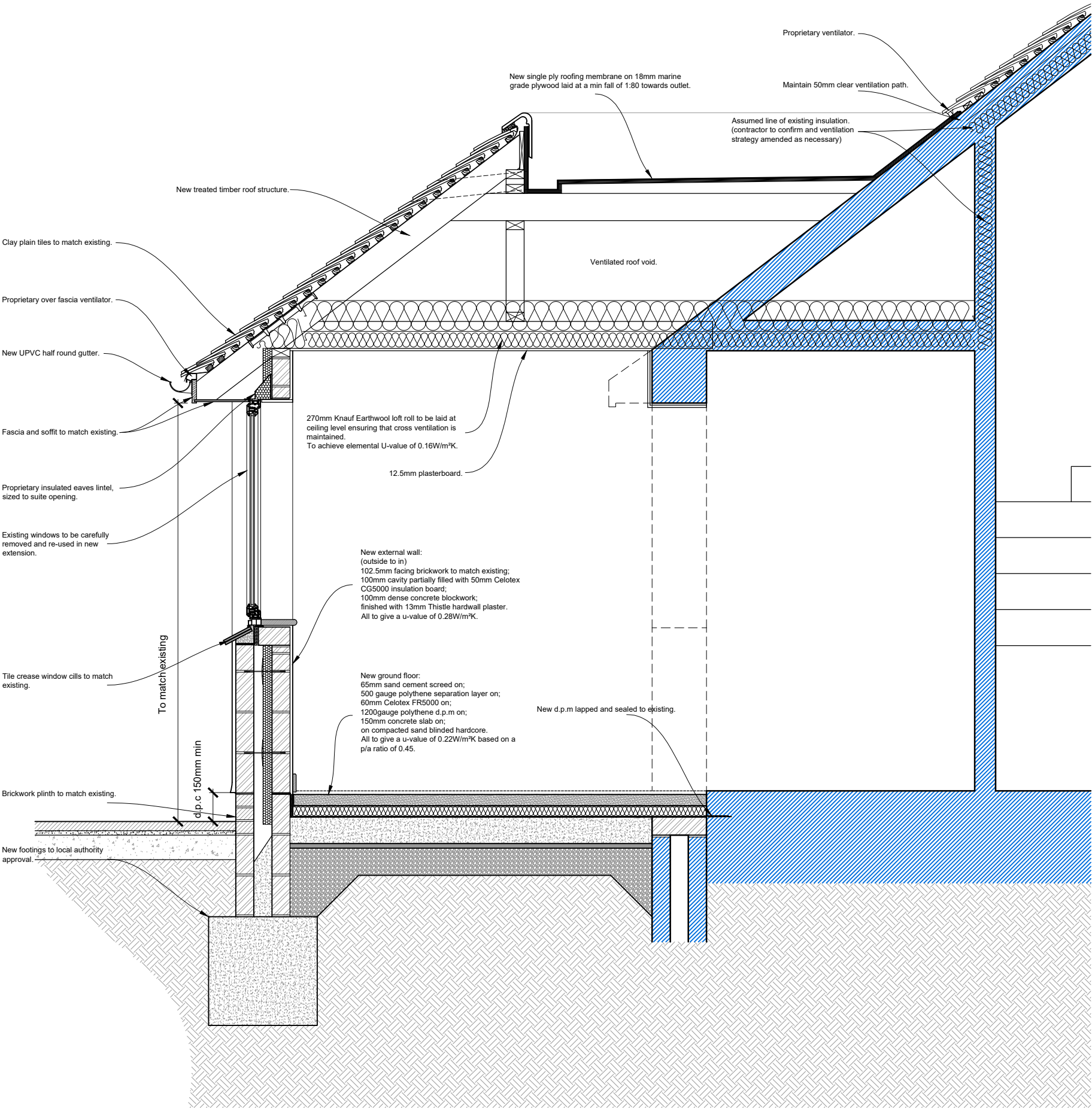




Proposed Section B-B

1:25

6. Roof:

a. New Pitched Roof:
New build up from outside - inside is as follows:

Plain tiles to match existing on;
25x38mm treated softwood battens on;
Nilvent breathable membrane on;
Treated softwood rafters (size and spacing to be confirmed by the structural engineer);
270mm Knauf Earthwool insulation laid at ceiling level;
Roof to be ventilated in accordance with part C of the building regulations.

Construction to give a u-value of 0.16 (W/m².K)

Treated softwood wall plates, 47 x 100mm C16, are to be securely tied into the walls with galvanised mild steel straps, 30 x 2.5mm cross sectional area, at 1200mm centres. The first strap is to be 400mm in from the external face of the return wall. Straps are to be securely plugged and screwed to the inner skin, and screwed to the wall plates.

Ceiling joists and rafters are to be tied into walls with galvanised mild steel straps, 30 x 5mm cross sectional area, at 1200mm centres as per Building Regulation Approved Document A, diagram 19.

Roof timbers are to be treated to BS 4072

7. Rainwater Installation:

New UPVC half round gutters and circular down pipes to match existing. Existing gutters to be kept and overhauled, and joints made watertight.

8. Mechanical Ventilation

Bathrooms: to provide extraction at the rate of 15 litres per second. To be humidistat controlled, and controlled by the light switch to give a 15 minute over-run where a window is not present. Bathrooms without windows are to have an extraction rate of 15 litres per second and to be humidistat controlled.

9. Fire Safety:

a. Fire Alarms: Mains operated, self contained, smoke detector and alarm units, of optical detection design; 240 volt AC operated. All to be installed in accordance with the Smoke Detector's Act 1991, and Building Regulations pt. 3 (Fire) 1992. Units will conform to BS 5446 pt.1, and have a rechargeable battery operated supplementary power supply. The units are to be wired on a separate circuit, and are to be connected to a 6amp MCB in the consumer unit.

10. Drainage:

Internal plumbing to be to BS EN 12056: 2000, and taken to the foul drainage system in minimum 100mm dia. Vitrified clay or PVC-u pipe, with flexible joints laid to self cleansing gradients, on bed and surround of 150mm thick pea gravel. Building drainage to be to BS 8301: 1985. All back inlet gullies are to be roddable. Manholes are to be formed in 225mm semi-engineering brickwork, or proprietary PVC access chambers where not located in vehicular accessed areas; sizes to BS 8301: 1985.

11. Electrics:

Electrical installation to comply with BS 7671 2008 'Requirements for Electrical Installations' (IEE Wiring Regulations). Switches and sockets to habitable rooms are to be positioned in accessible locations so they are easily reachable. Part M of the Building Regulations provides an appropriate height of between 450 and 1200mm above floor level.

All new electrical work is to be designed, installed, inspected and tested in accordance with BS 7671 2008 (I.E.E wiring regulations 17th edition). The works are to be undertaken by an installer registered under a suitable self-certification scheme, or alternatively by a suitably qualified person, with a certificate of compliance produced by that person to building control on completion of the works.

12. Energy Efficient Lighting:

Lighting to newly created rooms to have fixed lighting that only takes lamps having a luminous efficacy greater than 40 lumens per circuit-watt e.g. fluorescent tubes and compact fluorescent lamps (not GLS tungsten lamps with bayonet caps or Edison screw bases).

13. Fire Protection of structural elements supporting first floor:

To be encased in proprietary encasement system to provide 30minutes structural integrity.

Project:

51B Longwood Avenue
Waterlooville

Title:

Section B-B

Drwg No:

106

Rev. No:

-

Scale:

1:25@A3

Drawn by:

SCR

Date:

12.16

Checked by: