

It is the main contractors responsibility to ensure that all Health and Safety matters are carried out on site and the necessary actions undertaken to protect the general public, visitors and site operatives whilst construction is taking place.

A trial hole may be required on site prior to construction taking place to assess the suitability of the ground and its load bearing capacity on site approval may be required. In conditions where an infill site as occurred tests for gases must also be carried out prior to construction taking place and adequate provisions made.

An inspection of all the existing drainage system must be carried out to assess the suitability to take the additional requirements imposed on it by the new extension.

All dimensions to be checked on site prior to commencement of the project

If trees are in close proximity then provision must be made to protect foundations and drainage on site inspection required.

DEMOLITION, MATERIALS AND WORKMANSHIP.

Prior to the construction work-taking place a small amount of demolition work will have to be undertaken allow for the removal of all waste materials from site.

Protecting the buildings from dust and damage. Maintain and security of building at all times. All materials, goods and workmanship to appropriate B.S. Contractor to verify all dimensions on site and agree all details to clients satisfaction before commencement of works. All finishes to be made good and all debris removed from site. Position and number power points, lighting points, wall lights and switches to be decided by client All works to comply

fully with building regulations.

Reference should be made to Building Regulations and the NHBC, Handbook for compliance. All materials and workmanship to relevant and current British Standards and Codes of practice. Specified items may be substituted where approved as an alternative.

RADON PROTECTION

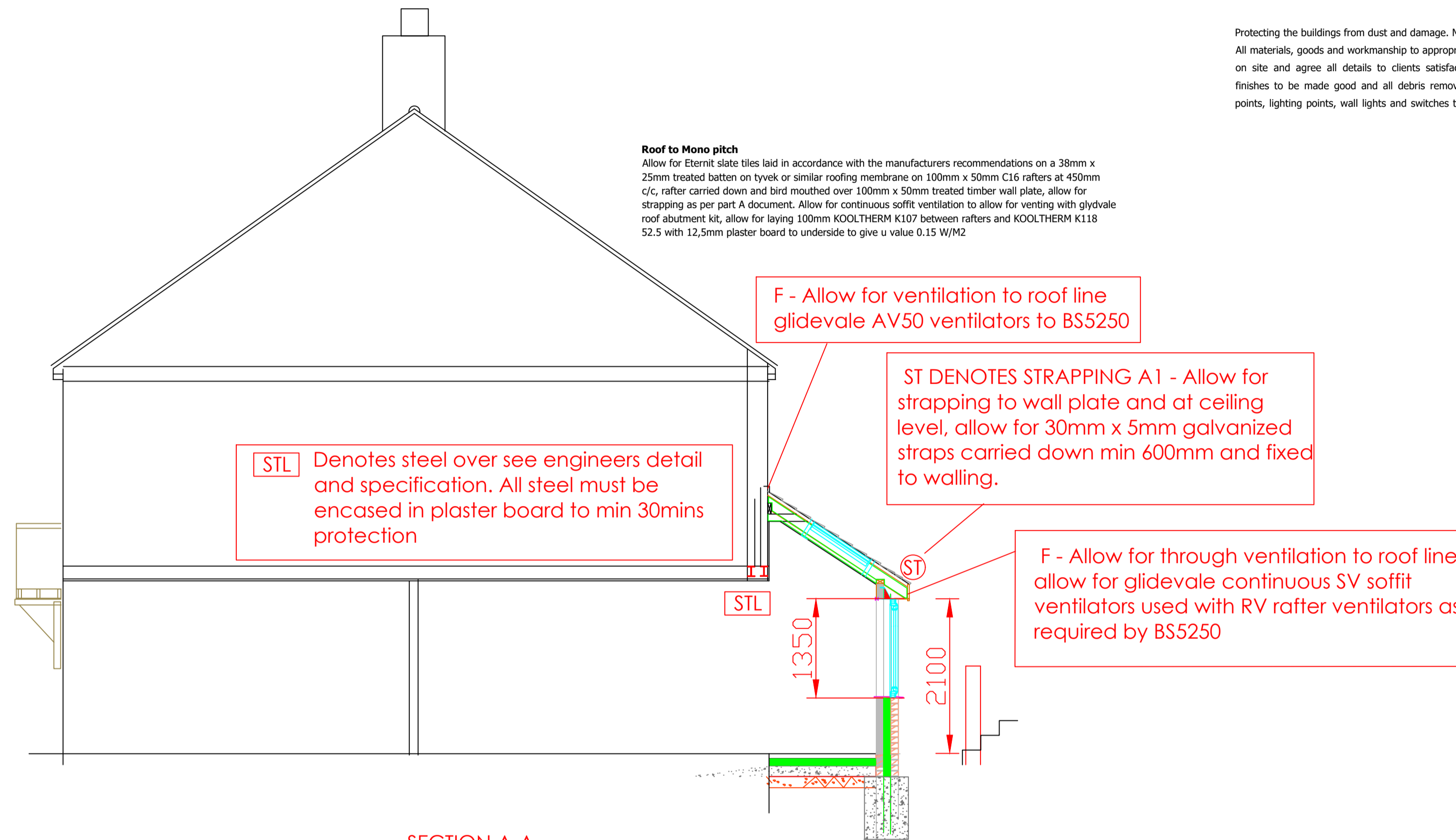
Basic radon protection to be provided via the 1200gauge damp proof membrane linked with a suitable cavity tray with weep holes @ 900 mm centres. All penetrating pipes and joints to the 1200 gauge d.p.m. to be suitably taped and sealed. **IF REQUIRED.**

On completion of the work the council will require an appropriate BS7671 Certificate

Special Notes:

All dimensions must be checked on site prior any construction taking and particular attention must be made to the existing boundary position and boundary line. Under no circumstances must the boundary line be built over or encroached upon. Due to the location of work a party wall notice **must be served to the adjacent property.**

It is also important to note that a principle designer be appointed to manage the project and all health and safety matters be adhered too. On site safety records and documentation must be kept and recorded along with health and safety for materials handling and working / operating at heights, lifting and storage.



Foundations see note above
Foundations to be taken down minimum 1000mm below ground level or suitable load bearing strata, subject to on site inspection and approval. 600mm wide trench fill foundations to within 150mm ground level to all cavity walling, allow for C20P concrete. Site may be subject to the Local Authority soil investigation report this may be required to assess the ground conditions and approve foundations and to check for harmful gases if signs of infill have occurred.

Ground Floor Slab Construction.

Allow for 65-75mm sand and cement screed incorporating chicken mesh laid on to 150mm thick C20P concrete base incorporating A142 mesh, on min125mm-150mm Kooltherm K103 or similar approved flooring grade insulation TO GIVE MIN 0.25 W/M2K on 1200 gauge polythene dpm on 150mm well compacted hardcore MOT type 1, this must provide a smooth finish or sand blinded to protect the integrity of the DPM, allow for liping the dpm into the dpc of the proposed to form a continuous damp proof membrane, allow for a min 25mm thick up stand of insulation to the perimeter of the concrete slab. **WHERE SUSPENDED FLOORS OCCURS ALLOW FOR INTEGRAL DUCTING TO MAINTAIN THROUGH VENTILATION**

Cavity Wall Construction.

Build off with Blue Brick engineering brick work to 150mm above ground level, then continue with brick work to match main house. Allow for 100mm wide cavity filled with 90mm thick kingspan KOOLTHERMK106 or similar approved with inner leaf of 100mm 3.5N concrete block work to give min "U" value of 0.18 w/m2k, allow for stainless steel cavity ties at 700mm horizontally and 450mm vertically, allow for finishing to inside with plasterboard on dabs and skim g in accordance to the building regulation document part L .All cavities must be closed at reveals by using insulated cavity closures. Kooltherm or similar approved incorporating all horizontal and vertical dpc's allow for closing all cavities at eaves level.

Windows.

All windows/BI Fold doors to be agreed with client and "u value" 1.4 see pt L Where glazing is less than 900mm from floor level allow for toughened safety glass to be incorporated including all doors and windows.

Drainage.

All new drain runs to be super sleeve or similar approved with flexible joints laid on pea gravel between 1:60 to 1:40 fall where pipes pass through walling allow for lintels over and ensure that all foundations go below all drain invert levels. Where drains pass under drive ways or paths allow for concrete over to prevent damage to the drainage system. see pt H building reg doc

Allow for all surface water to be discharged into soak away min 5.2 m away from main building. The proposed soak away will be subject to percolation test

Electrical / Heating.

All electrical work required must be carried out to part P building regulation documentation complete with all relevant completion documentation and certificates.

Lighting

75 % of lighting to have a luminous efficacy greater than 40 lumens per circuit-watt. (Not gls tungsten lamps with Bayonet cap or Edison screw base.)

Lintels.

All lintels to be as per catnic standard catalogue to suit cavity construction incorporating insulation to prevent cold bridging effect with min bearing of 150mm to either side of opening for catnic lintel coding see manufactures specification of required type.

When setting out foundations please be aware of service and utility entrance points - Particularly if they are required to pass though concrete foundations.

ALL DIMENSIONS MUST BE CHECKED ON SITE PRIOR TO CONSTRUCTION TAKING PLACE AND SEE ALSO ENGINEERS DETAIL AND SPECIFICATIONS. ALL PRE-MANUFACTURED ITEMS MUST ALSO BE CHECKED ON SITE FOR DIMENSION PRIOR TO MANUFACTURE

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Client: Mr & Mrs Ulanowsky
Address: 5 Mill Lane
Lambley
Nottingham.

Project: Proposed Extension to Rear
Title: Section A-A

Drawn by: Simon Gee Designs
Date: 15:10:2023
Job No. PL-ML-2023-03
Scale: 1:50 @ A1

DO NOT SCALE, FOR REFERENCE ONLY
ONSITE INSPECTION REQUIRED FOUNDATION
DETAIL MAY VARY DUE TO GROUND CONDITIONS