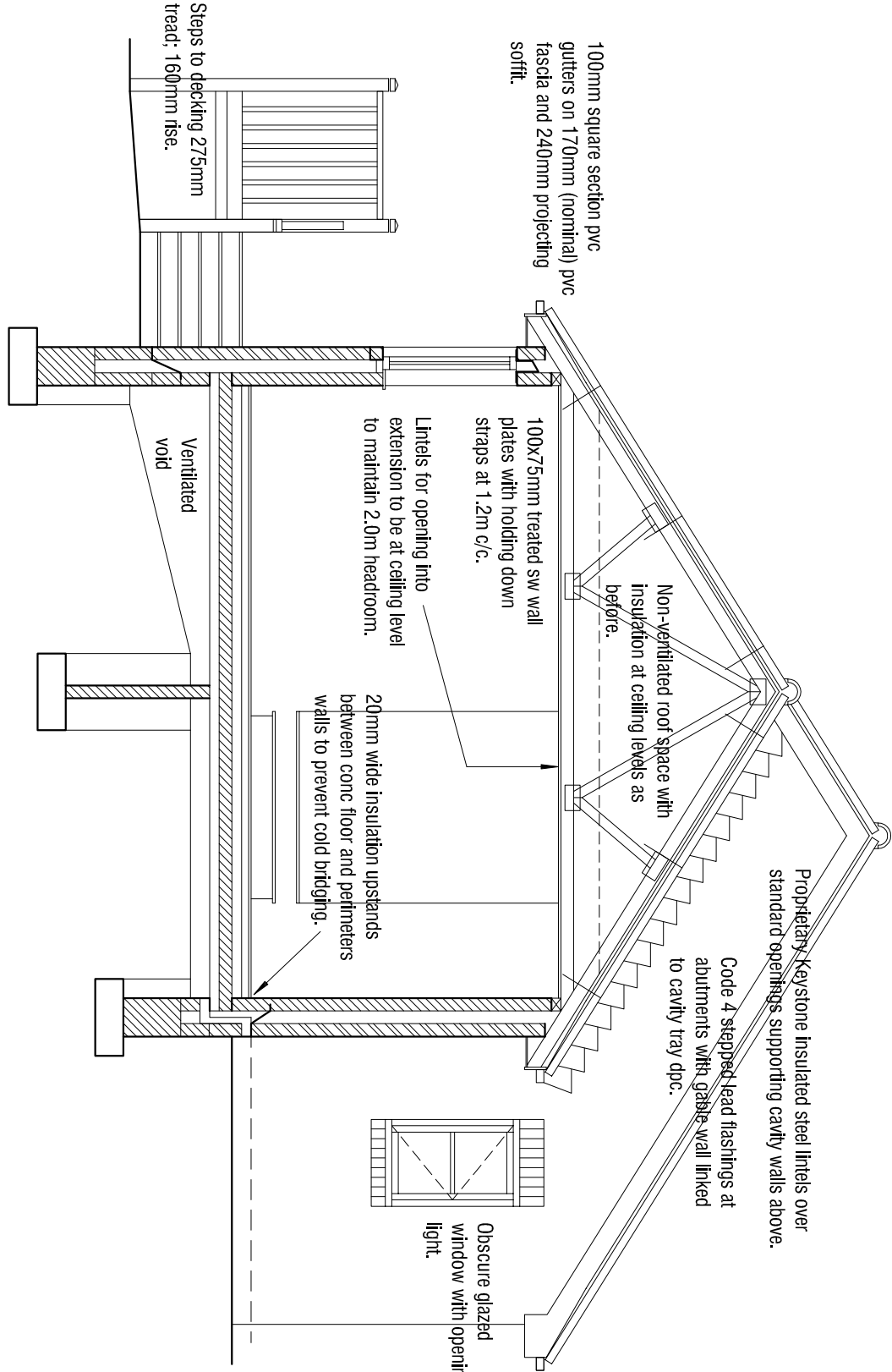
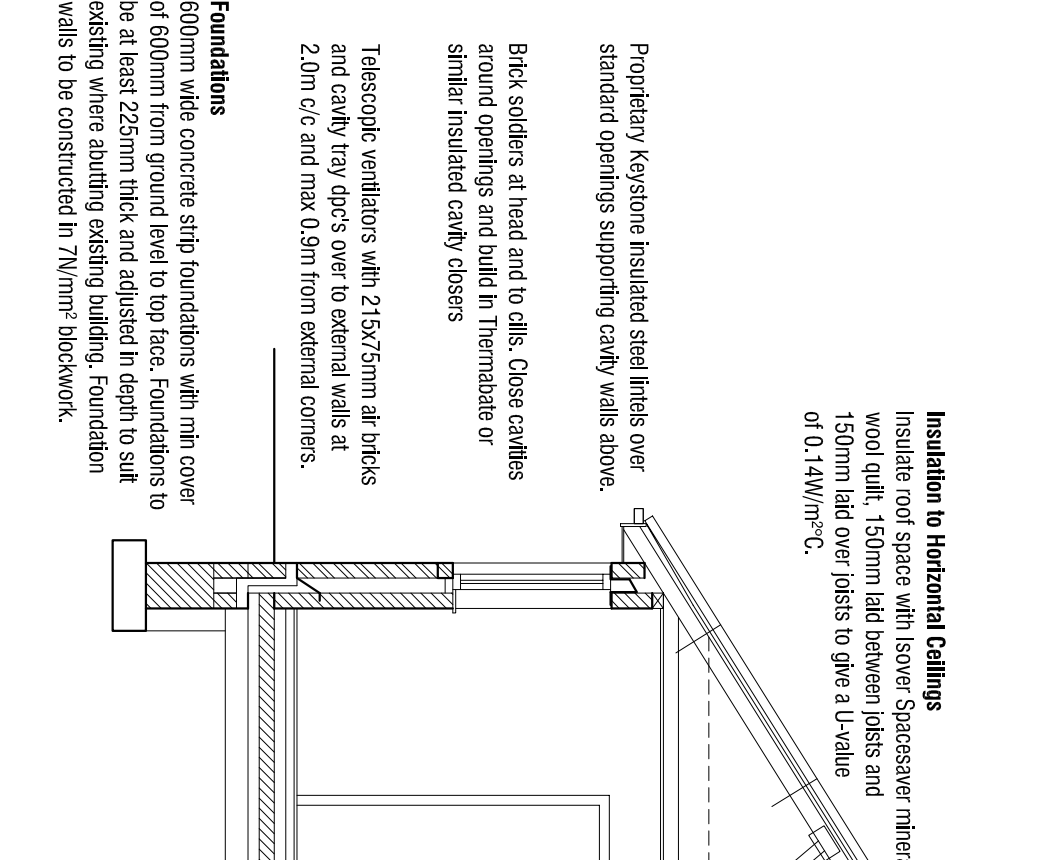
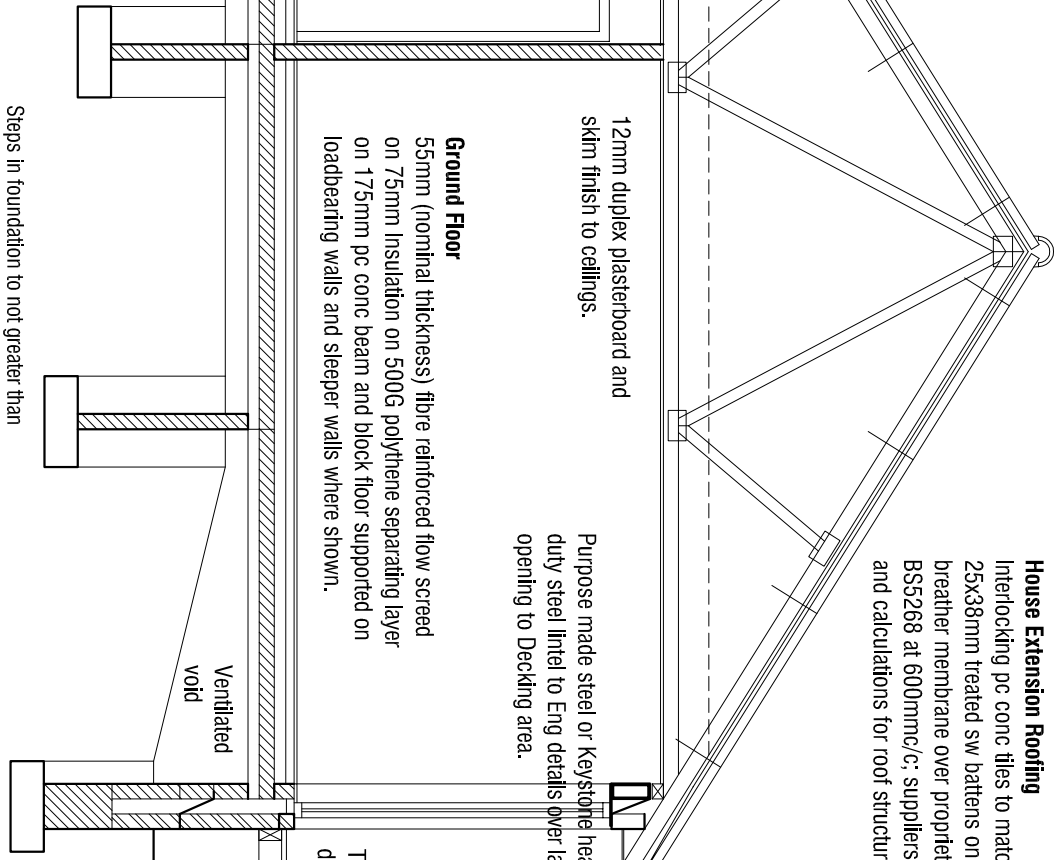




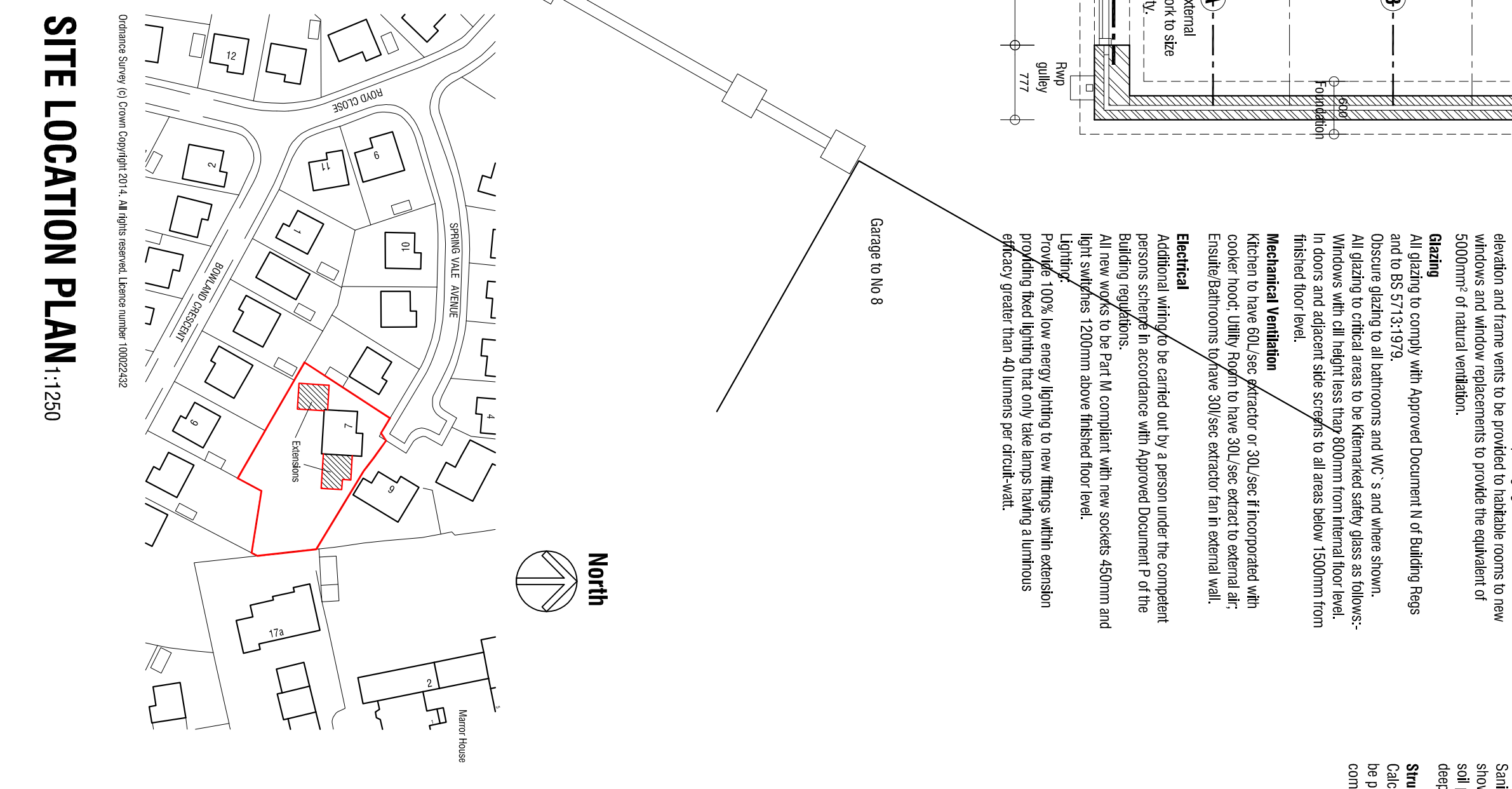
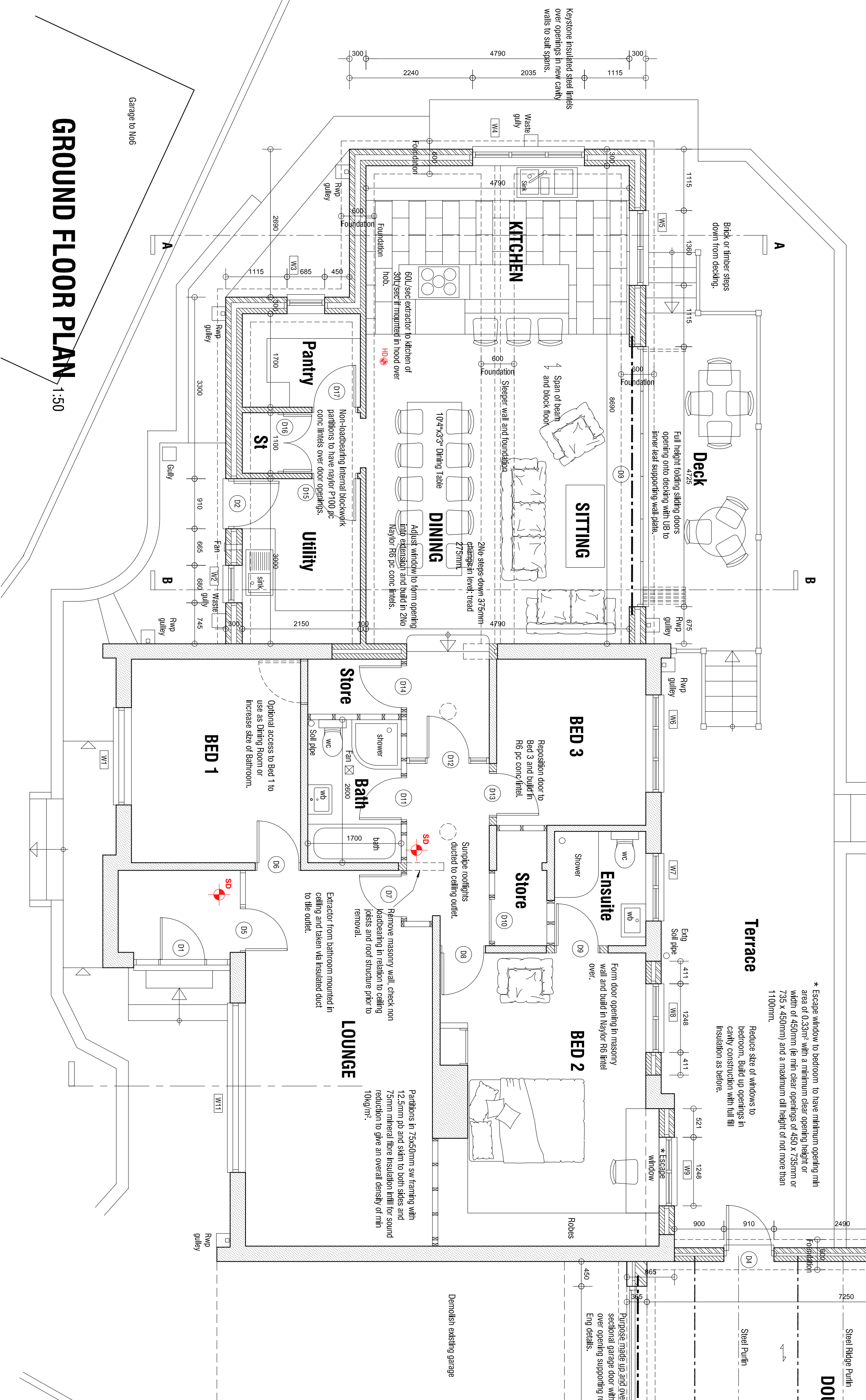
SECTION A 1:50



SECTION B 1:50



SECTION C 1:50



Rev C - 26.08.2014 - Reduced eaves height to rear wall of garage

See Section C.

Rev B - 07.07.2014 - Add construction details.

Rev A - 14.06.2014 - Reposition Garage, and Utility Room window, enlarge side kitchen window.

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DESIGN PROPOSALS

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Date MARCH 2014

Dwg No. P1

Rev. C

Ref. 14.11

Drawn MJB

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Walling

102mm brick outer leaf to match existing, 100mm **7.30m**m² lightweight blockwork 105kg/m³ inner leaf 100mm cavity with 50mm Kingspan R3 cavity board fixed with retaining cavity with 50mm stainless steel wall ties at 450c/c vertically, 750mm c/c horizontally and every block course vertically at eaves. Outer cavities shall be filled with 100mm mineral fibre insulation cavity ties shall be 12.5mm stainless steel and shall be secured to the masonry U-value of not greater than 0.28W/m²K.

Windows and doors

Lineal over openings with keystone insulated steel lintels height to sill sills and built in cavity tray dips over. Windows to be light reflective coating to achieve a U-value not exceeding 1.4W/m²K. Windows to have 120mm floor area opening lights as shown on elevation and frame wants to be provided to habilitate rooms to new windows and window replacements to provide the equivalent of 5000h/m² of natural ventilation.

Glazing

All glazing to comply with Approved Document N of Building Regs and to BS 5713:1973.

Opaque glazing to all balconies and WC's and where shown.

All glazing to critical areas to be Watermarked safety glass as follows:-

Windows with sill height less than 900mm from internal floor level.

Windows and adjacent side supports to all areas below 1500mm from internal floor level.

Mechanical ventilation

Roof to have 60L/sec extractor or 30L/sec if incorporated with kitchen hood and 30L/sec for bathroom and 30L/sec for ensuite. Extractor fan to be 30L/sec extractor fan in external wall.

Electrical

Additional wiring to be carried out by a person under the competent persons supervision in accordance with Approved Document P of the Building Regs and to BS Part M compliant with new sockets 450mm and light switches 1200mm above finished floor level.

Provide 100% low energy lighting to new fittings with extension providing fixed lighting that only take lamps having a luminous efficacy greater than 40 lumens per cubic watt.

Sanitary fittings

Sanitary fittings to have black pvc wastes; WC 100mm dia; sink shower and basins 40mm dia; all fittings to connect to 100mm dia soil pipe above or min 200mm below WC entry and to have 75mm deep seal traps.

Structural Calculations

Calculations for roof trusses and pc beam and block floors to be provided by supplier min 28 days prior to relevant works commencing on site.