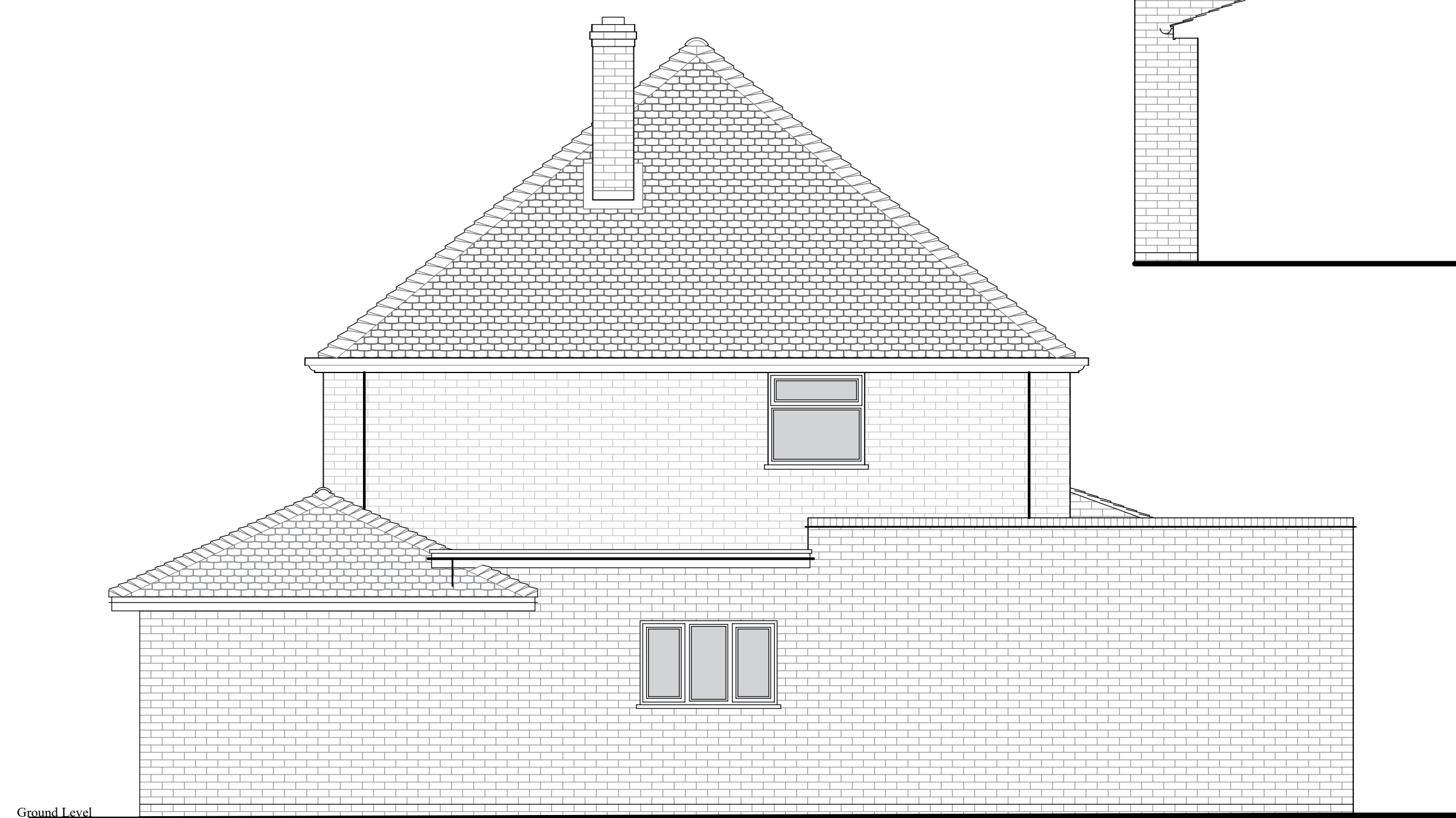
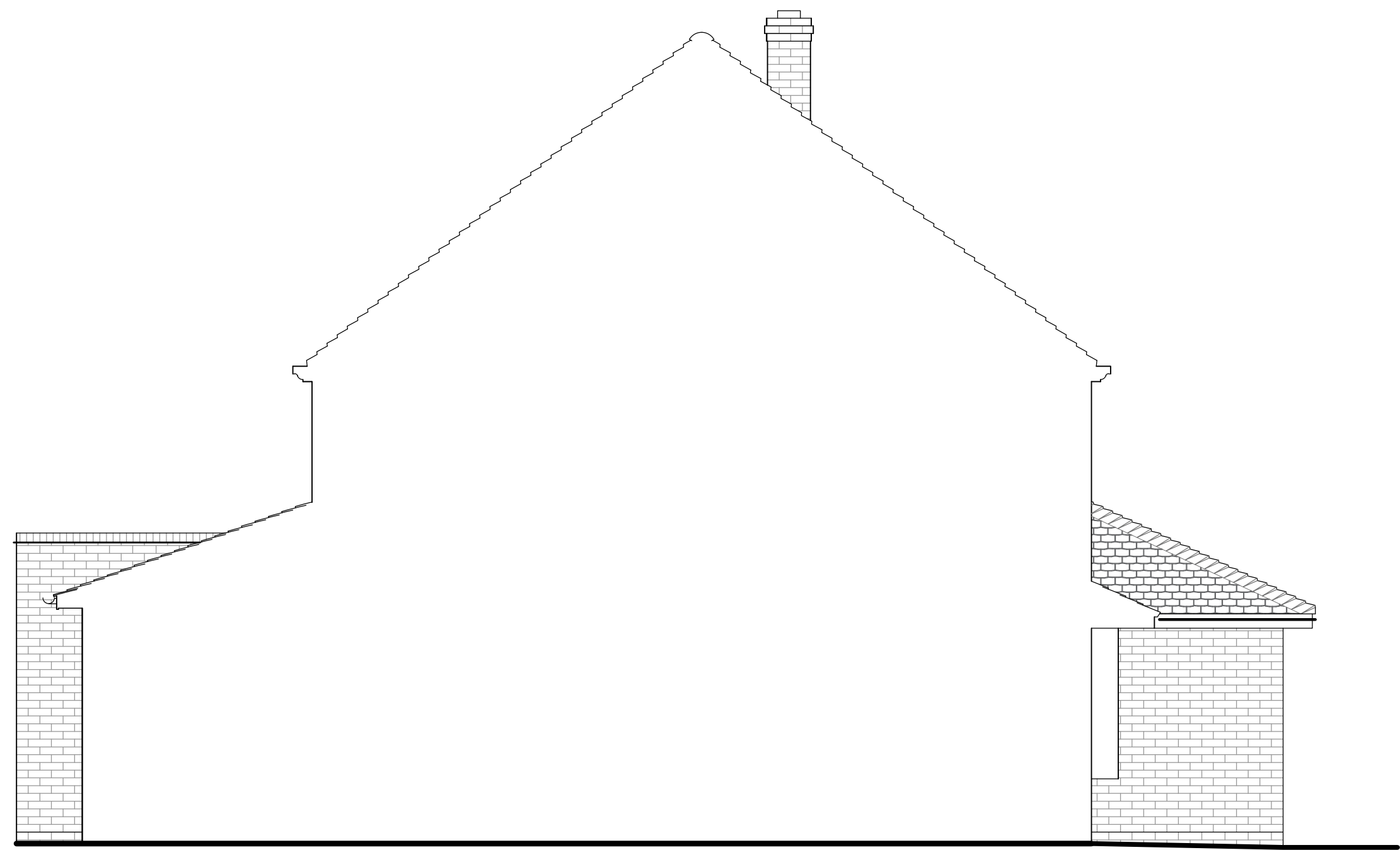




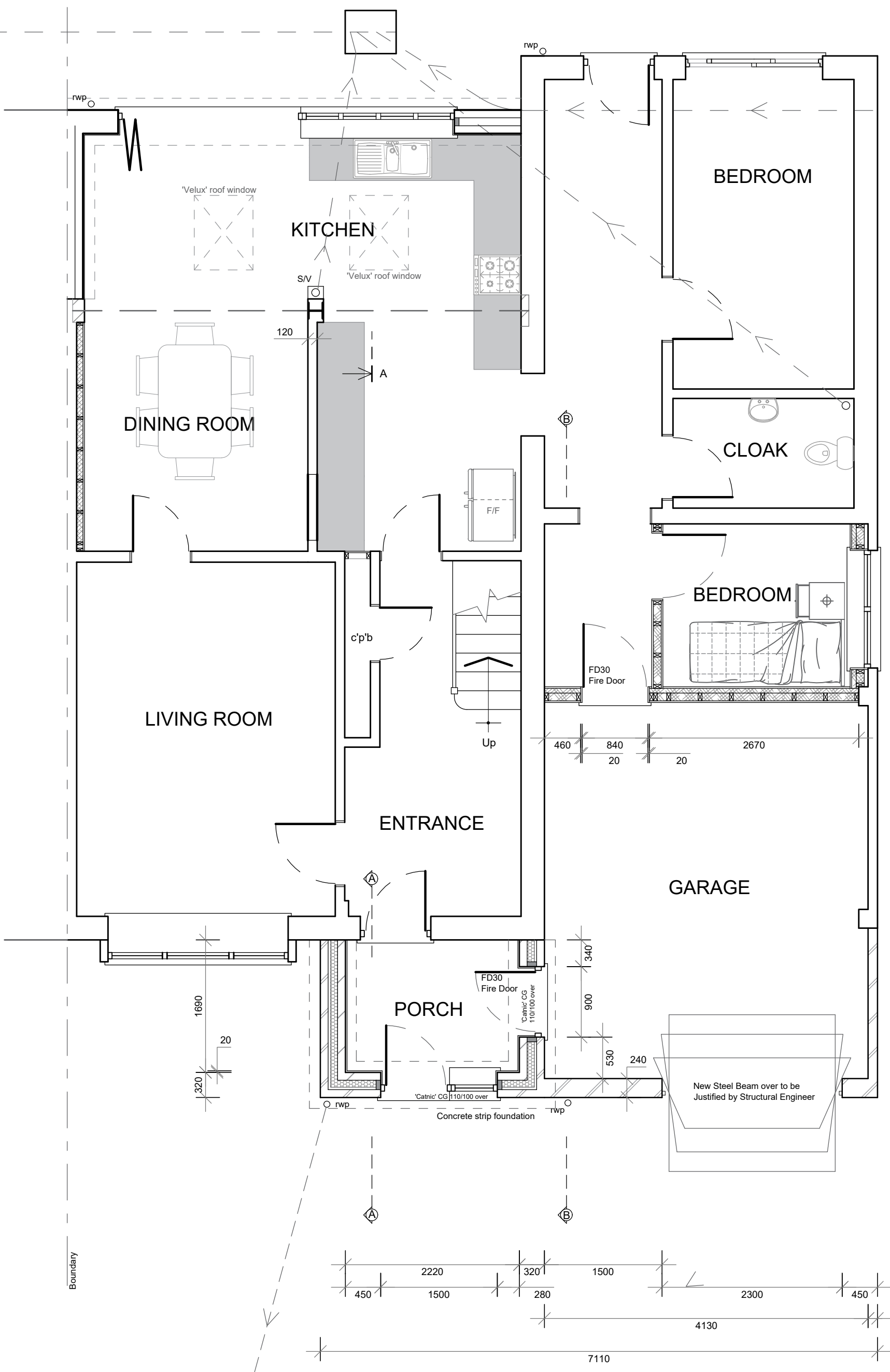
REAR ELEVATION



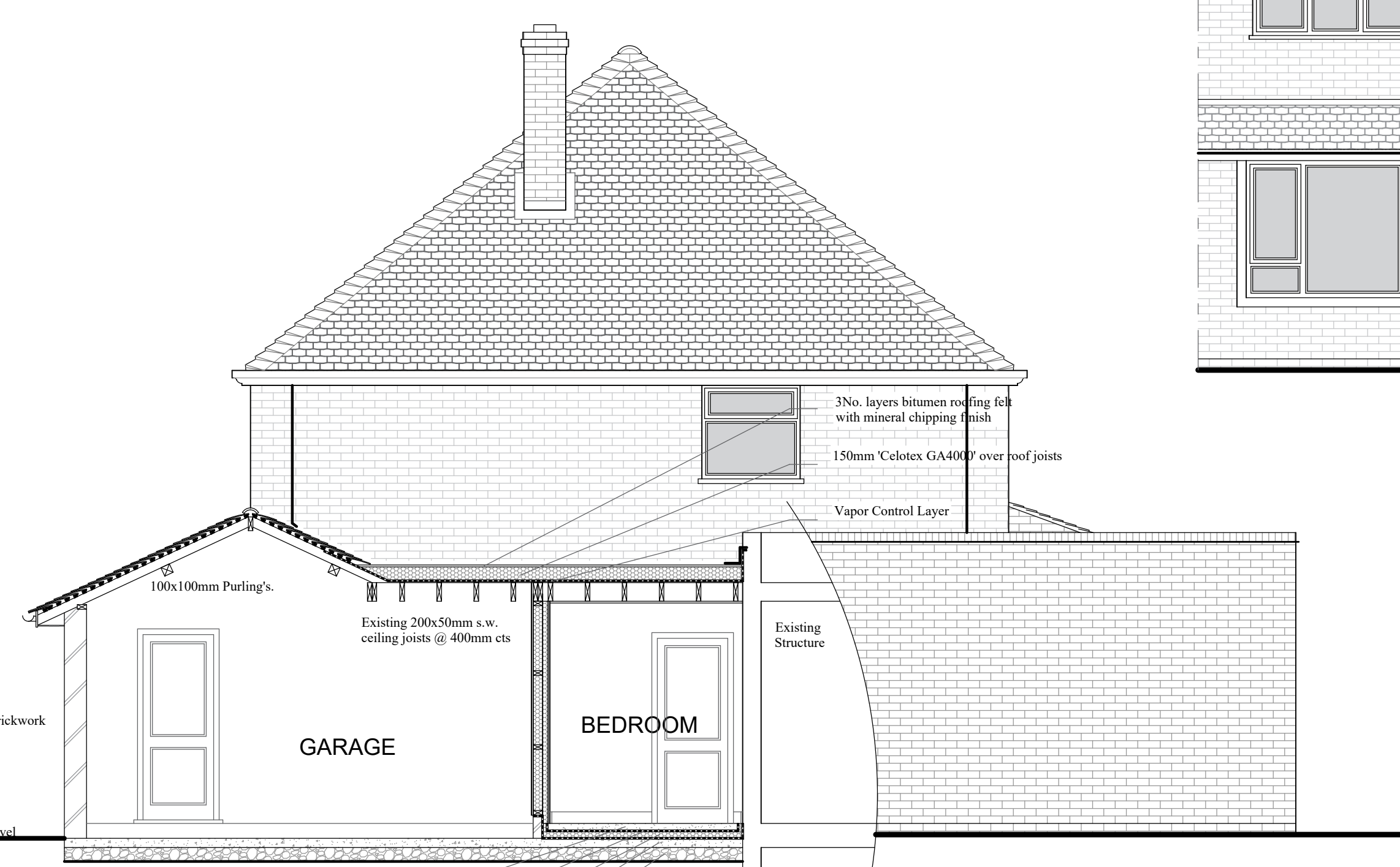
SIDE ELEVATION



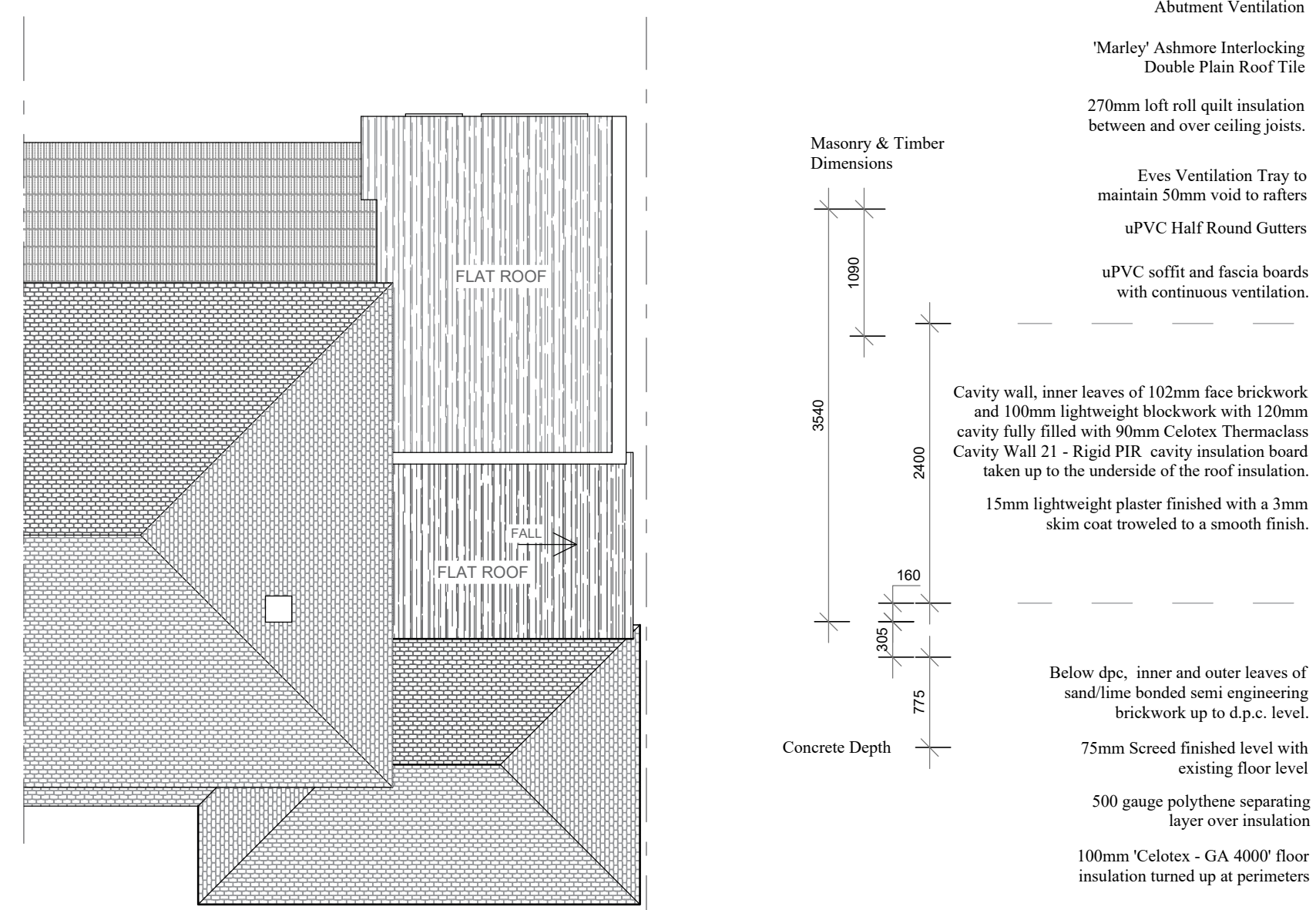
SIDE ELEVATION



GROUND FLOOR PLAN



SECTION B - B

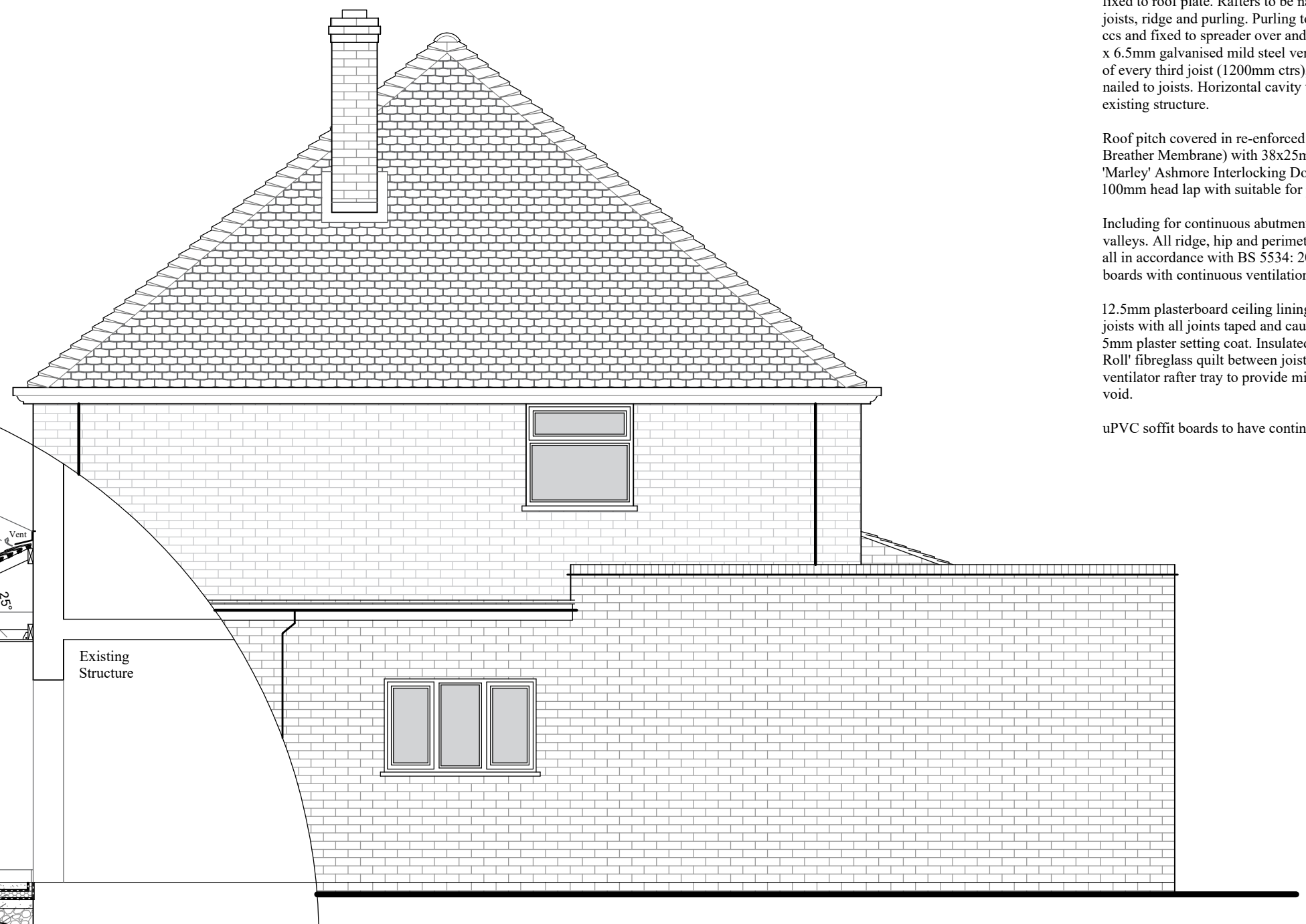


ROOF PLAN

Scale 1:100



FRONT ELEVATION



SECTION A - A

General Notes

Do not scale from drawing. All measurements, dimensions and levels to be taken, checked and confirmed on site.

Contractor Notes

Contractor to study plans, visit site and to take all necessary site measurements, dimensions, levels and invert and to be fully acquainted with proposed project as well as all local conditions.

Walls - Insulated Cavity

Cavity walls of inner and outer leaves and full filled insulated cavity with expansion joints every 6 meters, and to provide a U' value of 0.18 W/m²K.

Below dpc, new walls to be inner and outer leaves of sand lime bonded 4mm engineering brickwork up to d.p.c. level, min. 150mm above ground level.

Above dpc, new cavity walls of 100mm dense concrete blockwork outer leaf and 100mm Celsis Solar Thermalite high light weight blockwork inner leaf.

Leaves tied together with 25mm long x 6 ties at 450mm vertical c/s. 750mm horizontal c/s and 300mm c/s. 25mm from perimeter of openings.

To new external block walls above height of horizontal dampers, apply 20mm render over and over, finished flat and decorated with 2 No. coats of masonry paint.

Walls - Solid, Insulated Internally

To existing brickwork, insulate internally to provide a U' value of 0.18 W/m²K.

Timber frames formed in (C16) s.w. timbers, with 100x50mm softwood head and sole plates, studs at 400mm c/s and guggins at 600/1200mm c/s.

Internally fit 60mm Celotex GS5000 aluminium backed high performance PIR thermal insulation board, bonded to 5mm tapered edge plasterboard, to extend up to the underside of roof insulation.

Ground Bearing Floor Slab

New concrete ground bearing slab, to consist of 150mm type 1 M20 or clean compressed hard-core base with 15mm s/c blinding over. (100mm concrete slab incorporating one layer of A19 bar reinforcement mesh).

Pitched Roof

New roof to comprise of (C16/24) s.w. timbers, 100x50mm ceiling joists and rafters, 75x100mm purlins and strakes, 175x25mm ridge and sole 50/100mm roof plate and 150x50mm lay boards.

Roof pitch covered in self-adhesive microporous 'Tynok Super' Header Membrane with 38x25mm s/w (timbered) battens with 'Mastek' Adhesive Interlocking Double Plan Roof Tile.

12.5mm plasterboard ceiling linings to underside of new ceiling joists with all joints taped and caulked, and surface finished with a 5mm plaster setting coat.

Roof pitch covered in self-adhesive microporous 'Tynok Super' Header Membrane with 38x25mm s/w (timbered) battens with 'Mastek' Adhesive Interlocking Double Plan Roof Tile.

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12.5mm plasterboard ceiling linings to underside of new ceiling joists with all joints taped and caulked, and surface finished with a 5mm plaster setting coat.

Flat Roof - Insulated over

Construct new flat roof structure, comprising 200x50mm (C16/24) softwood joists at 400mm maximum centres, spanning between existing and new rear walls.

1200 x 30 x 6.5mm galvanised mild steel vertical restraint straps to each end of every third joist, plugged/screwed to walls.

Fix softwood fittings pieces over roof joists to form 1:60 fall. Fix 18mm plywood over fittings pieces and cover with vapour control layer, installed to manufacturers instructions.

Fix angle and verge fillets, drip batt, apply elastomeric felt roof covering, in three layers, extending 450mm on roof and under eaves of 50mm up the wall and weathered with code 4 lead flashing, all bedded in hot bitumen and with self reflective mineral chipping finish.

12.5mm plasterboard ceiling linings to roof joists within new extensions, with all joints taped and caulked, and surface finished with a 5mm plaster setting coat.

Rainwater Drainage

100mm half round gutters fixed to 1:60 fall to outlets, 60mm diameter spigot r.w.c. connected to outlet to spigot 1:10mm drain, bedded in pea shingle and laid to 1:60 fall and to discharge in new soakaway.

New 1st soakaway, constructed with crates, in position within rear garden to be agreed with the Local Authority Building Control Officer to be minimum 5.0M from any building. 150mm sharp sand base to all excavations.

Surface water drainage system connected to side of the crates using the pre-formed knockout sections or designated pipe entry points.

Backfilled sides and over with 150mm sand or pea shingle and cover with min. 150mm spaced, firmly stamped down. In high traffic areas increase topsoil coverage to 150mm.

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Table with 3 columns: Rev, Date, Comments. Row 1: A, 11/10/20, Introduction of roof plan.

Joinery - Windows

New UPVC framed windows to be double glazed, achieving a U' value of 1.4 W/m²K. Glazed area min. 10% of floor area, and operable area min. 5% of floor area.

Windows to take elevations to have no openings below 1700mm above floor level.

Windows to have UPVC projecting sills and min. 500mm² trickle background ventilation to frames to all habitable rooms and min. 2500mm² to all Kitchens, Bath/Shower Rooms, Utility Rooms, Landings and Hallways above 1.7M above finished floor level.

Toughened safety glass to all glazing (inner and outer panes) below 800mm above finished floor level. All in accordance with BS 5250 and BS EN 12600.

Surface water drainage system connected to side of the crates using the pre-formed knockout sections or designated pipe entry points.

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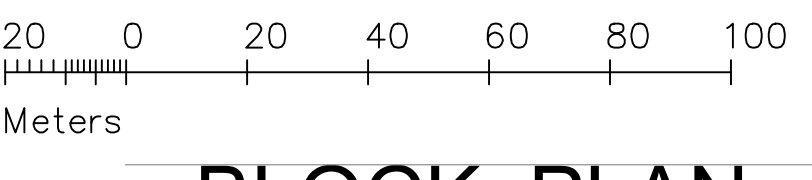
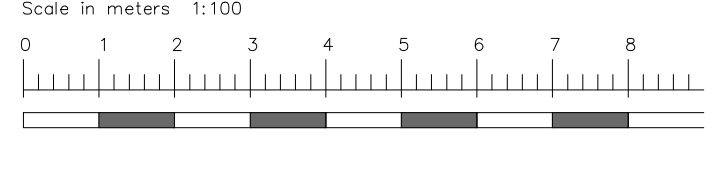
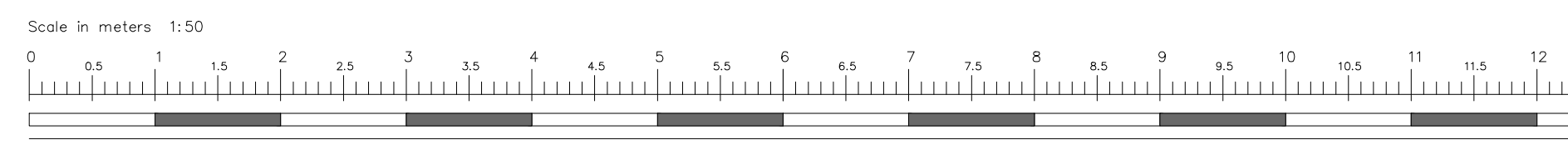
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BLOCK PLAN Scale 1:1250

Client: Mr & Mrs T. Metcalfe, 39 Chobham Road, Firmley, Camberley, Surrey, GU16 8PS.

Project: Proposed Front Porch and Garage Extension and Partial Garage Conversion to form New Bedroom.

Date: 13/10/2020, 1:00 PM, 1:200 & 1:1250 @ A0.

Rev: 1, 03/CH/O02.