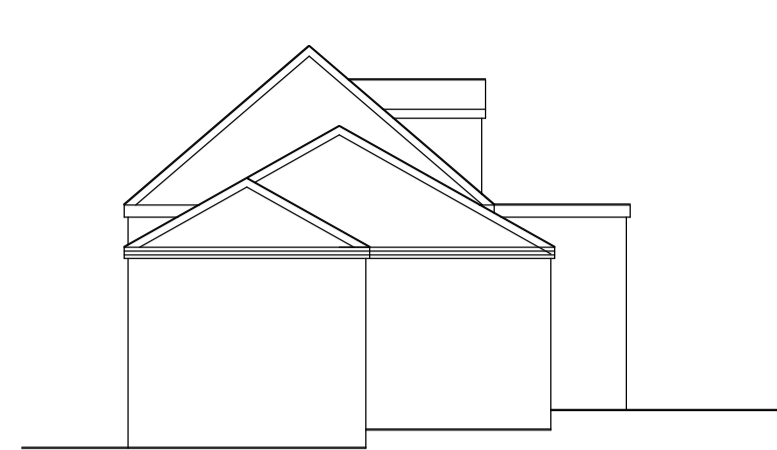
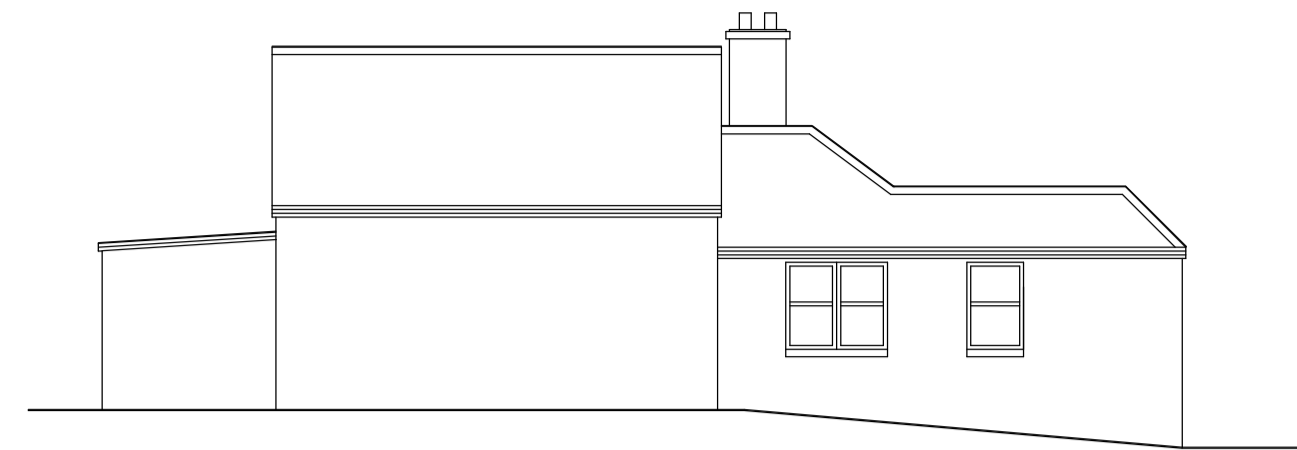




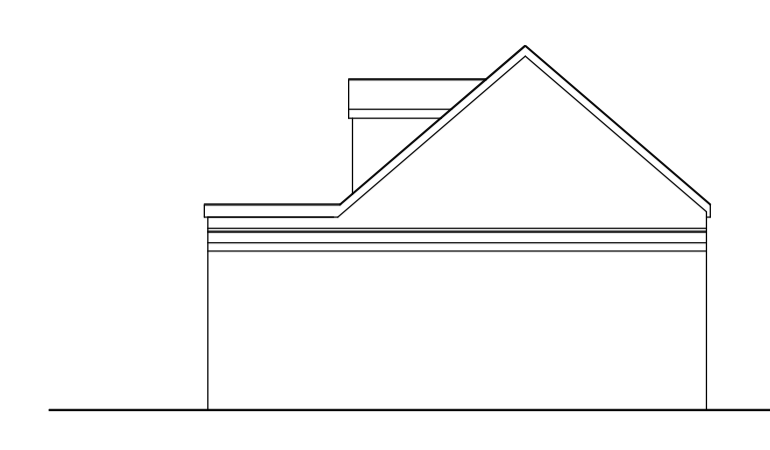
Existing Front Elevation



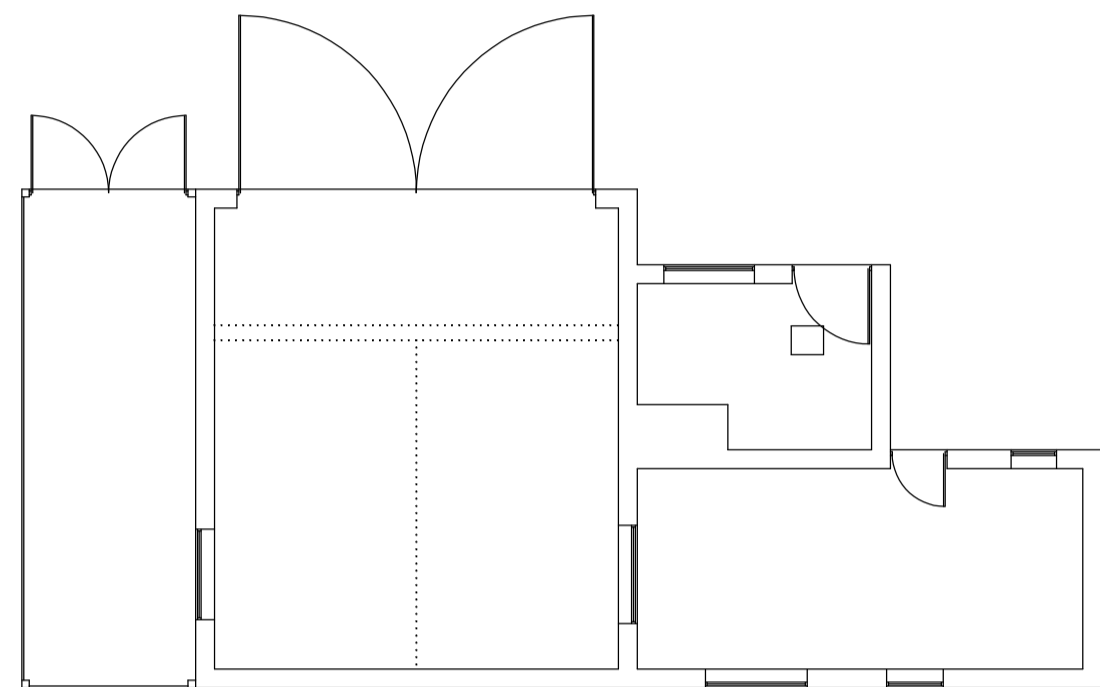
Existing Side Elevation



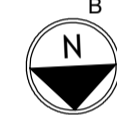
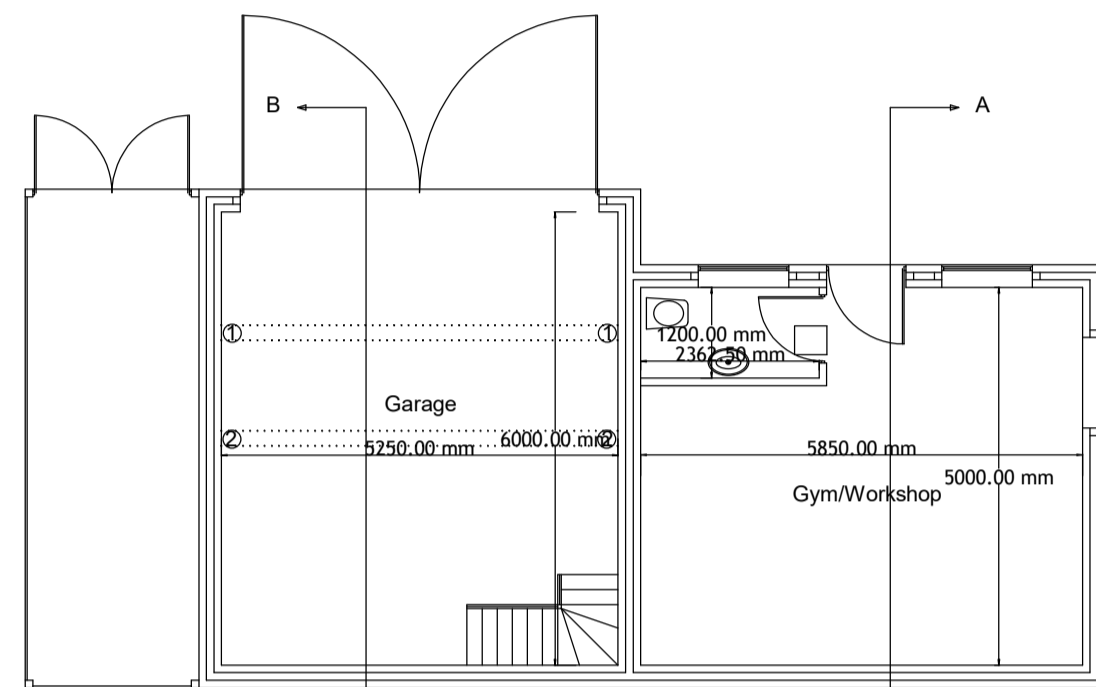
Existing Rear Elevation



Existing Side Elevation



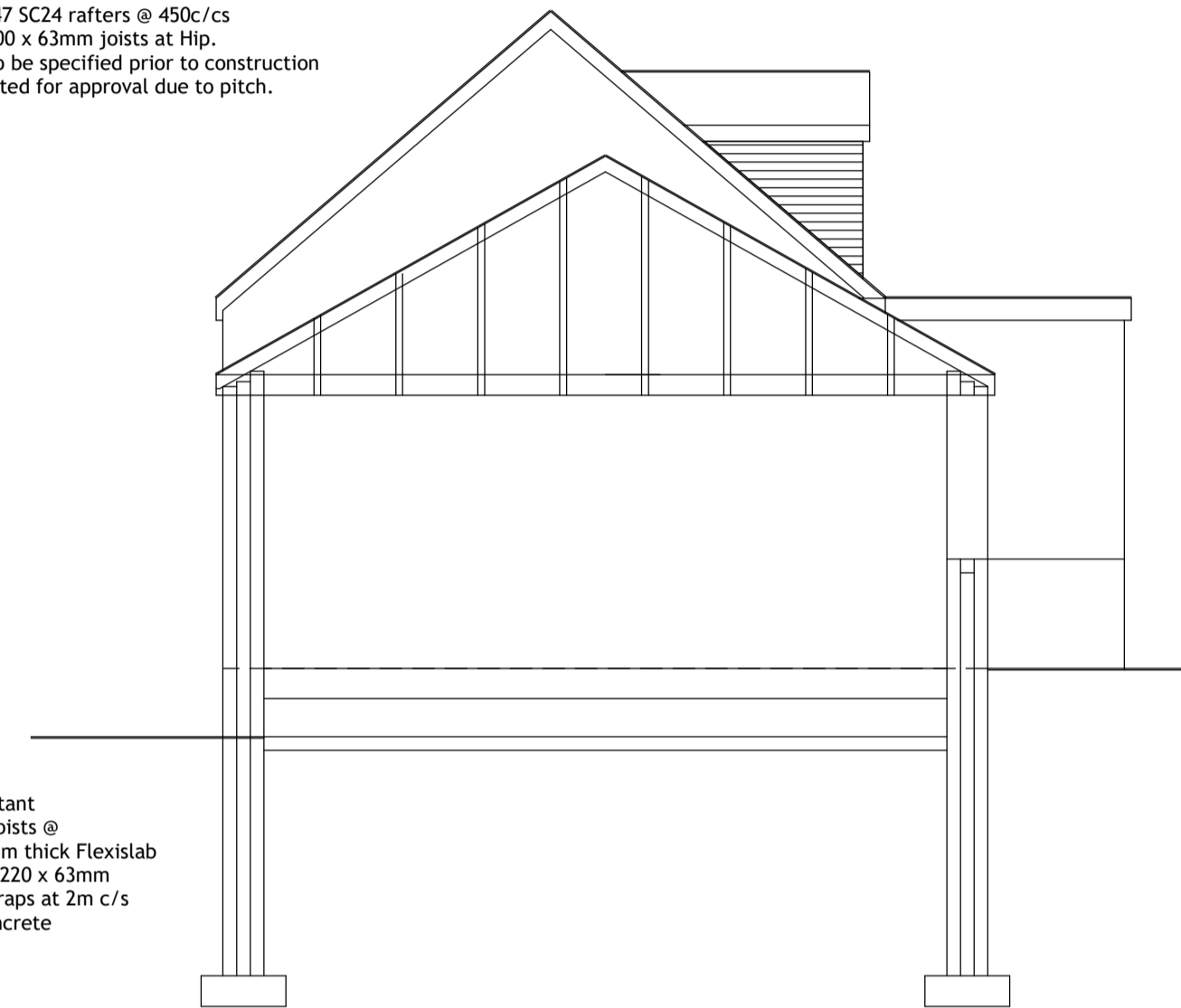
Existing Ground Floor



Proposed Ground Floor

Roof to be designed and installed to comply with BS 5286 Parts 1 and 3. Use 150 x 47 SC24 rafters @ 450c/c/s with 2no 200 x 63mm joists at Hip. Tile type to be specified prior to construction and submitted for approval due to pitch.

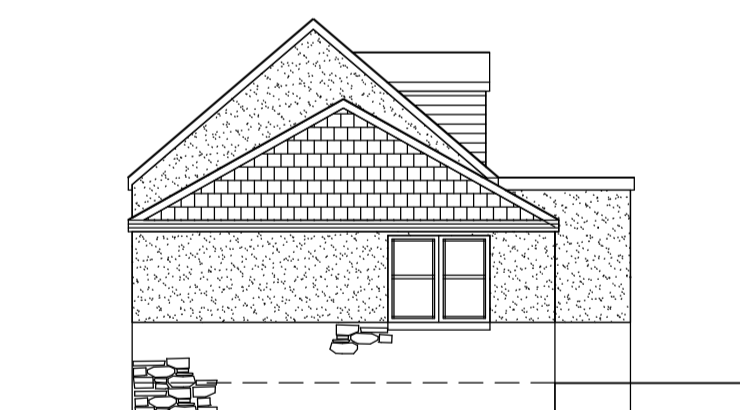
Ground Floor : use 21mm moisture resistant weyroc to BS 5669 on 220 x 63mm C24 joists @ 450mm c/s and absorbent layer of 150mm thick Flexistab 10kg/m3 quilt on chicken wire. Provide 220 x 63mm straps at mid span. Provide 5 x 38 ms straps at 2m c/s to give lateral restraint. Use 100mm concrete capping layer on 1200 DPM.



Proposed Section A-A



Proposed Front Elevation



Proposed Side Elevation

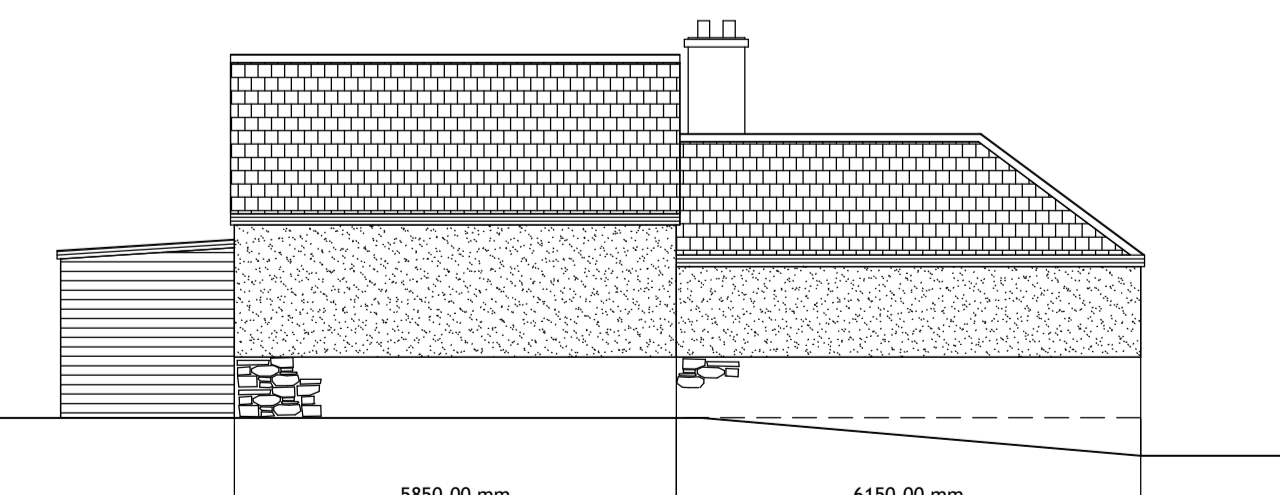
Flat Roof:- Use Fibreglass finish to newly formed flat roof on 110mm thick Kingspan TR26 on top of joist on vapour layer with 50mm thick capping layer warm roof fixed to 18mm plywood on joists 4x 145 mm @ 600mm c/s grade SC24 with 50-0 mm firrings 12.5mm plasterboard and skim. Finish of flat roof with green roof sedum matting and seeding as per client's preference.

Roof to be designed and installed to comply with BS 5286 Parts 1 and 3. Use 150 x 47 SC24 rafters @ 600c/c/s. Tile type to be specified prior to construction and submitted for approval due to pitch. Double up rafters at velux. Use beam 2 as per steel calcs @ ridge.

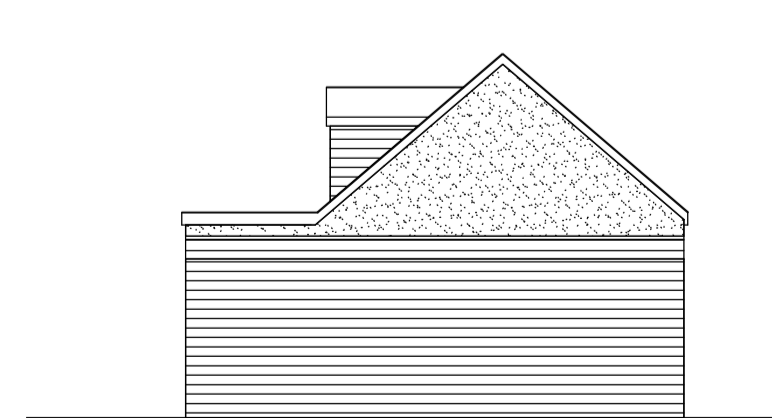
Cavity Tray system linked to lead code 4 flashings
Use Catnic Lintels TH100/150 to all openings.
Use Cavity trays where appropriate and cavity closures to all openings.

Ground Floor : 100mm concrete slab on 150mm thick Type 1 GSB to form garage floor.

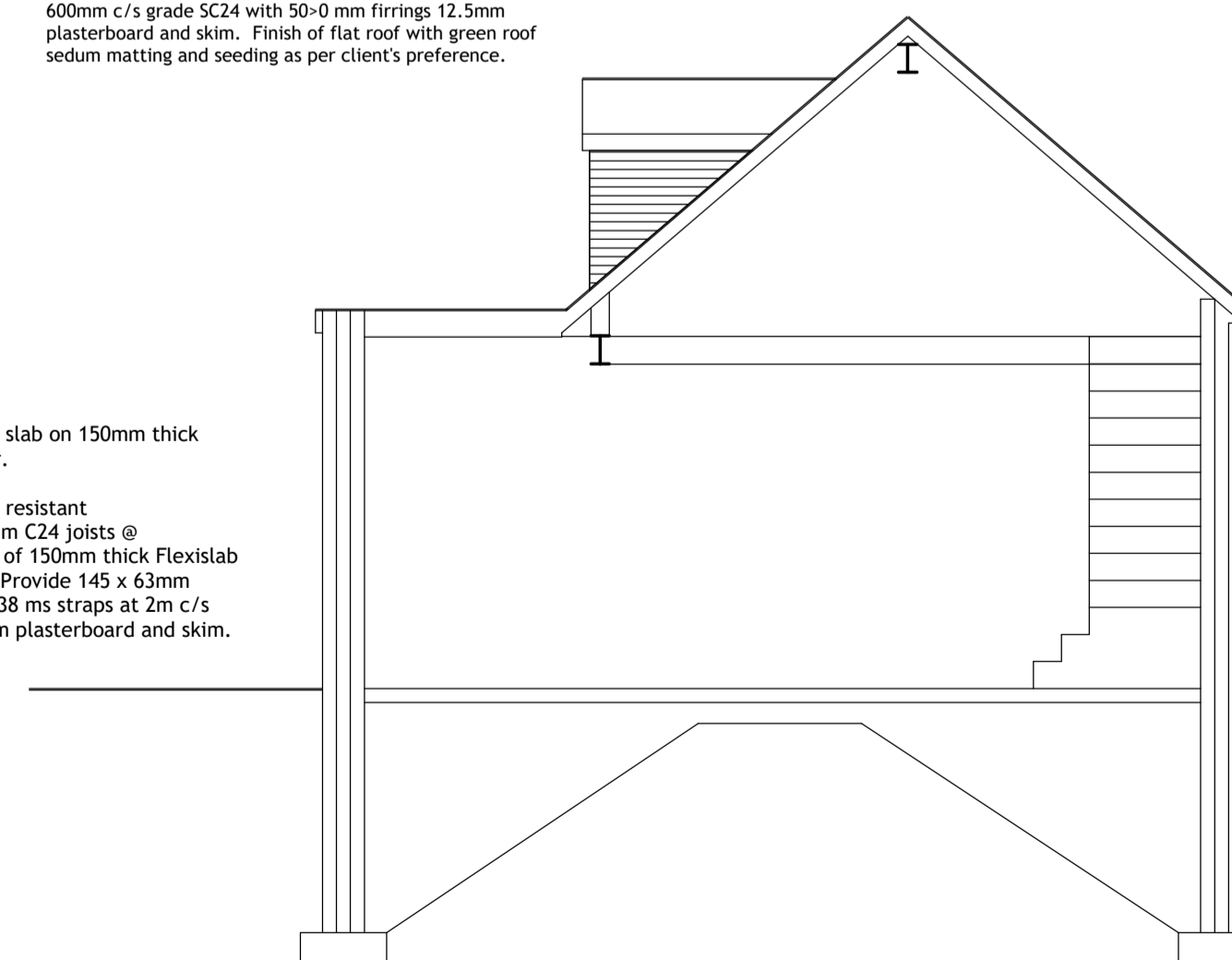
First Floor : use 21mm moisture resistant weyroc to BS 5669 on 170 x 63mm C24 joists @ 450mm c/s and absorbent layer of 150mm thick Flexistab 10kg/m3 quilt on chicken wire. Provide 145 x 63mm straps at mid span. Provide 5 x 38 ms straps at 2m c/s to give lateral restraint. 12.5mm plasterboard and skim.



Proposed Rear Elevation



Proposed Side Elevation



Proposed Section B-B

ITEMS:
1. Beam: Beam 1
Span: 5.25 m.
Reactions (unfactored/factored): R1: 16.56/26.34 kN R2: 16.56/26.34 kN
Use 203 x 133 x 30 UB S355
Bearing R1: 400 x 100 mm padstone
Bearing R2: As R1
2. Beam: Beam at Ridge
Span: 5.25 m.
Reactions (unfactored/factored): R1: 15.87/25.24 kN R2: 15.87/25.24 kN
Use 203 x 133 x 30 UB S355
Bearing R1: 400 x 100 mm padstone
Bearing R2: As R1

Stairs Rise <220: Going >220 but not more than 420.
Bullustrades at not greater than 100mm spacing and 2m headroom.
Second floor joist supported on 100 x 100mm newel post.

MAIN SPECIFICATION

ROOF
Slate to match existing on 25mm x 50mm. sw. Slate battens on Tyvek Supro Plus or similar breather underlay To BS 5534; Part 1; 2014 as per spec @600 c/c/s. Standard Wallboard Plasterboard (12.5 mm)
100mm thick Kingspan K12 between joists, 50mm thick underlating, Clay tile (20 mm)thick U value 0.15W/m2 K BS 5268 Part 3:2006. And 20o pitch and 12.5mm plasterboard and skim ceiling.
Provide 97 x 22mm longitudinal and diagonal wind bracing to all node points.
Fix roof joist to wallplate with clips.
Provide 100 x 50mm sw wall plate and 19mm sw fascia, 12.5mm exterior ply soffit.
100mm hr gutters, 62mm dia rwp.
Provide Redland or similar vents at eaves for roof space ventilation. Code 4 lead and stepped dpc to all abutments.
All Rafters to be fixed to manufacturers detailed specification.
Roofing to be in accordance with BS 5534 Part1: 2014 and BS 8000 Part 6: 2013.

WALLS
Use sandstone to match property with 100mm Blockwork outer leaf with smooth rendered finish 150mm cavity with Dritherm 32 cavity batts fixed in accordance with manufacturers instructions 100mm thermalite SHEILD block (or similar approved) inner leaf and 12.5mm lightweight plaster (U value 0.18w/m2deg. C). Cavity fill to terminate 225mm below lowest dpc.
100mm 'cavity closures' at all openings.
Blocks to be laid in stretcher bond in 1:1.6 cement mortar.
Patent cavity trays to be inserted above flashings at all abutments and above openings.
Stainless steel vertical twist type wall ties to DD140, every 750 horizontally and 450 vertically and staggered. Vertical centres of ties to be 225mm at all jambos.
Brickwork to be tied to existing and all cavities to be maintained. Cavity closed at top of wall with slate or similar non-combustible material.
Horizontal dpc 150 minimum above ground level and provide Bituthene tanking lapped into the dpc.
All materials below ground level. Are to be frost resistant. Fill cavity to ground level with weak mix.

GROUND FLOOR

As plan.
PARTITION WALLS
Use 100 x 50mm timber struts at 600 c/c/s built of 100mm x 50 mm wall plate. For partition walls in bedrooms use 50mm mineral wool to provide sound proofing.

FOUNDATIONS:

700mm x 225mm deep strip foundation 900mm below ground level incorporating C38/5 reinforced mesh. Foundations at boundary walls to be trench fill type 450mm thick. BS8004:2015.

DRAINS

100mm dia. upvc drains surrounded in pea gravel (150mm). All gullies to be back inlet types and roddable.
All drains running under building to be encased in 150mm concrete with 12mm flexcell joints @ 1500mm ccs.
Foundations to be stepped below drains with reinforced concrete lintels over to support bwk.
Drain trenches within 1m of foundation to be backfilled with concrete up to underside of foundation.
Manholes to be built in 225mm 2nd class engineering bwk on 150mm thick concrete base.
Provide medium covers to all manholes.

ABOVE GROUND DRAINAGE:

100mm dia. Upvc half-round gutters and 100mm dia. rwp.
38mm dia. waste pipes and 75mm deep seal traps to all sanitary appliances when connected to 100mm dia. upvc svp.

WINDOWS:

Double-glazed UPVC windows with 4/16/4 glazed units with PILKINGTON K glass with 20mm air gap.
(Low-E E=0.15/U value=1.4W/m2 degC- ventilation openings equal to 1/20th floor areas. = 800mm2 background ventilation to comply with PAS 24. Velux rooflights = 1.4W/m2

MECHANICAL EXTRACT:

Provide mechanical extracts direct to open air in the following rooms:-

- Bathrooms 15 Litres/sec
- Bathrooms without windows 15 Litres/sec. The extract fan is to be connected to the light switch and have a 30 min overrun, provide 10mm gap under door for ventilation.
- Wcs separate from bathroom 6 Litres/sec
- Kitchens 30 Litres/sec adjacent to the hob or 60 Litres/sec elsewhere.
- Utility room 30 Litres/sec

Where the sanitary accommodation is internal provide a 10mm gap under door for ventilation.

LINTELS:

Lintels are to be Catnic TH100/150 or similar unless stated on plan. Lintels are to have 150mm end bearing and be rendered to give 1/2 hour fire resistance. All lintels to external walls are to be insulated and have the ends closed with dpc.

SAFETY GLAZING:

All glazing in critical areas to be laminated or toughened in accordance with BS 6206.
Manifestation to be provided where appropriate.

ELECTRICALS:

13 amp ring main and lighting circuit to comply with latest edition of IEE regulations. Number and position of sockets to Client's instructions. All new electrical work is to be designed, installed, inspected and tested in accordance with BS 7671:2001 or an equivalent standard. These installation works are to be undertaken by a person registered with an electrical self certification scheme, or alternatively by a suitably qualified person, with a certificate of compliance produced by that person to Building Control upon completion of the works.

SERVICES:

Note GAS SAFE registered installer to assess capability for additional radiators to the new rooms. Provide thermostatic radiator valves.

MEANS OF ESCAPE:

DWELLINGS- Provide mains-operated self-contained smoke detectors to BS 5446: PART1. The alarms may be wholly mains operated with a secondary power supply such as batteries.

All smoke alarms to be interlinked and permanently wired to a separately fused circuit on the distribution board.
INNER ROOMS-to have escape windows with unobstructed openable area that is at least 0.33m2 and at least 450 high and 450 wide at 800mm min. and 1100mm max from the floor.

GENERAL:

All electrical work is to conform to BS 7671:2018 and current IEE Regulations. Sockets and light fittings to be the client's choice and design please refer to guidance stipulated in section 4.24 of A.D. L1B section 12 & table 40 of Domestic Building Services Compliance Guide 2010 edition.

Sockets and light switches are to be positioned between 450mm and 1200mm from finished floor level.

Before any construction commences the adjoining owners consent must be obtained for any work on the boundary.

Architraves and skirting to match existing

Internal and external doors are to be client's choice and design. Insulate all heating and hot water pipes under the floor.

Any new radiators are to be fitted with thermostatic radiator valves to control room temperature.

Refuse collection to be maintained

NOTE

These plans have been prepared for the purposes of ensuring compliance with the requirements of the Building Regulations and Planning legislation and should not be used as working drawings. All work to comply with the Building Regulations 2010 and associated legislation.

All dimensions and levels to be checked by Contractor on site. Any variations or discrepancies to be reported to the designer.

All work on common boundaries to be carried out with the written permission of the adjoining owner.

PARTY WALL etc ACT 1996:- It is the responsibility of the owner to serve satisfactory notice on any adjoining owner affected by these proposals. An advisory booklet is available from DOE Publications, Blackhorse Road, London, SE99 6TT.

COMPLIANCE WITH CONSTRUCTION:

There are no particular processes or construction methods that produce unusual risks to health and safety during construction or in subsequent maintenance works. All usual precautions are to be taken to protect the workforce and the building occupants.

All materials and products are to be used in accordance with the manufactures instructions, British Standards, Codes of Practice and good building practice.

Where the works are subject to Local Authority interest, say by way of a grant, the contractor is to make himself aware of any requirements.

The contractor is to inform the Health and Safety Executive should any of the works falls within their interest.

The contractor is advised to visit the site so as to become thoroughly acquainted with the scope and extent of works, to satisfy themselves as to accessibility of the site and to make their own risk assessment of the project.

Arrangements to visit the site must be made through the client.

Proposed Garage Renovations at Greystones, No 24 Painsshawfield Road, Stocksfield

Plans Showing Existing and Proposed Floor Layout's, Elevation's and Section. v2

Scale 1:100 & Section 1:50 Aug : 2025

