Proposed erection of a 2 storey extension at the side and part single part 2 storey extension at the rear of house at 234 Brantingham Road, Chorlton-Cum-Hardy, Manchester

Drwg No. 01 — Revision 0

Floor Plans & Elevations

Scale: 1 : 100 (A1 drwg size) — Date: Feb 2021

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234 Brantingham Road, Chorlton-Cum-Hardy, Manchester

Scale 1 : 100

SCALE BAR 1:100

Extension construction details

ROOF Concrete interlocking tiles lapped on treated battens on approved breathable roofing felt onto 200 x 50mm rafters at 400 c/c. Insulation to be 272mm deep rockwool quilt insulation or other equal and approved between rafters. 12mm plaster board and skim to underside of 175 x 50mm ceiling rafters at 400 c/c. Roofspace ventilation system (min 25mm gap) with purpose-made eaves-fitting to ensure eaves are not blocked. Gutter to be 100mm half-round gutter with 75mm dia PVC rainwater pipe to roddable gully.

FLOOR 100mm thick concrete (1:3:6) on 1200 guage visqueen on 100mm thick Kingspan Thermafloor insulation TF70 to give U value of 0.22w/m2k with 25mm upstand at perimeter on 50mm sand binding on 150mm well compacted hardcore.

WALLS Outerskin to be 110mm approved brick facings to match existing, 100mm cavity with rockwool insulation to give U Value of 0.3w/m2k, inner skin to be 100mm thermalite blocks.12mm plasterboard and skin to internal.

Butterfly type wall ties to be fixed 700mm c/c horizontally and 450mm centres vertically. Cavity to be continuous bonded to existing and sealed at eaves level with brick or block on edge. DPC to be 150mm above ground level, and insulated horizontal and vertical DPC to be around all openings and reveals. Stepped lead cavity tray and flashing at abutments. 30mm x 5mm galvanised MS straps to fix to walls and structural timbers of roof at max 1800mm c/c. Weak mix concrete cavity fill in cavity wall below ground level.

FOUNDATIONS Strip foundation 600 x 150mm min concrete (1:3:6) min depth 750mm below ground level to approval of Building Control Officer.

DRAINS 100mm dia PVC drains to connect to existing and fall 1:40 to approval of Building Control Officer. PVC approved inspection chambers to be fitted at junction with main drain.

WASTES 32mm dia PVC waste with anti vac traps to washbasin and 38mm dia to sink connected direct to gully to new drain as above.

VENTILATION Opening lights not to be less than 1/20th of floor area of room served. Glazing to be SAFETY glazing to BS 6206 is FENSA approved and have K glass. Any boiler vent to be ducted to external air 500mm clear of opening light. Mechanical fan to be ducted to external air and have extract rate of 60 litres per sec in kitchen and 15 litres per second in bathrooms.

FIRE All elements of structure and new ceilings to have 12mm fireline board and skim. 30 minute fire doors with frames to be installed at all relevant openings.

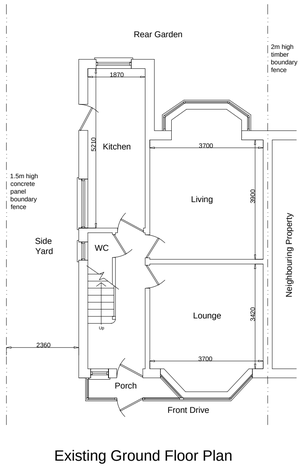
OPENINGS To have standard catnics over with min end veering 150mm each end.

SKY LIGHTS Double up rafters on either side of velux windows.

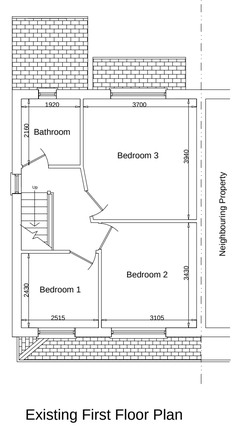
INTERNAL WALL Stud walls o/o 50x100. Single boarded each side. 100mm acoustic fibre glass or rockwool. Walls taken to underside of ceiling.

ELECTRICS & GENERAL
All electrical installations to comply to BS 7671, 16th Edition of IEE Regs and Part P of Building Regs by a NICEIC electrician with a test certificate forwarded to Building Control within 30 days of completion. New radiators to have TRV are if a new builder is installed, it should be of condensing type and have min SEDBUK rating of 86%. If not, adequacy of existing boiler should be checked to determine that it is capable of handling the proposed increased loads. Service plans to be insulated and boiler control interlocks together with zone timing and temperature controls are required. In addition, the heating and hot water system should be commissioned so that at completion the system and their controls are left in working order and can operate efficiently. A copy of the Corgi Certificate is to be given to the Local Authority on completion.

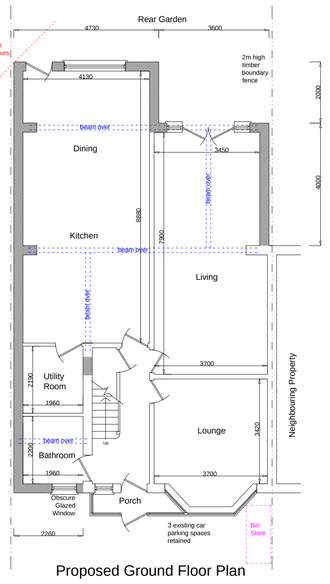
NOTES :
Copyright in all documents and drawings prepared by the designer and otherwise agreed, remain the property of the designer and must not be consent of Fahad Patel.
DO NOT SCALE OFF THIS DRAWING.
All dimensions to be checked on site and any discrepancies to be
ALL LEVELS TO BE CHECKED ON SITE.
All discrepancies between information shown on the drawings and the prior to proceeding.
All component sizes and references to be checked prior to ordering of
Any drainage runs on site are to be checked / confirmed by the building contractor prior to commencement of any drainage works. Any existing drains, to which additional connections are to be made, are also to be checked as necessary to ensure that they are suitable to accommodate
All relevant boundary positions to be checked prior to proceeding.
any works executed from these documents and drawings shall, unless reproduced by, lent or disclosed to , a third party without the written
referred to the architectural designer before proceeding.
information in the specification to be referred to the architectural designer
materials.
additional capacity and the type of effluent being connected.



Existing Ground Floor Plan

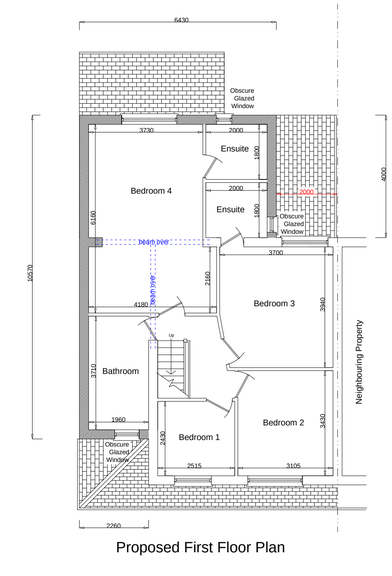


Existing First Floor Plan

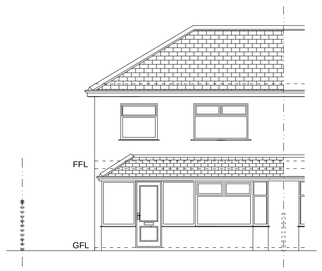


Proposed Ground Floor Plan

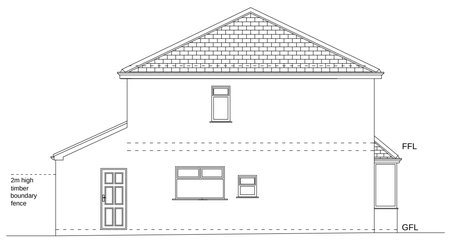
Beam locations for indication purposes only. To be confirmed along with piers by structural engineer during construction phase. Beam Calcs and details submitted by structural engineer.



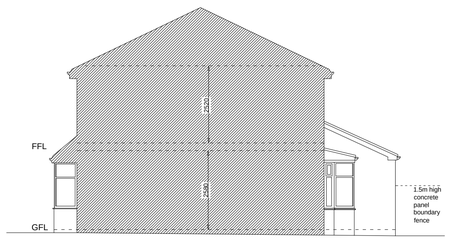
Proposed First Floor Plan



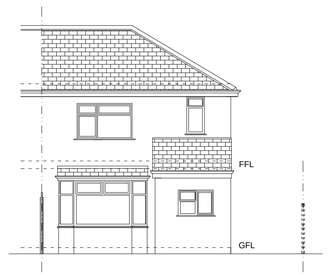
Existing Front Elevation



Existing LHS Elevation



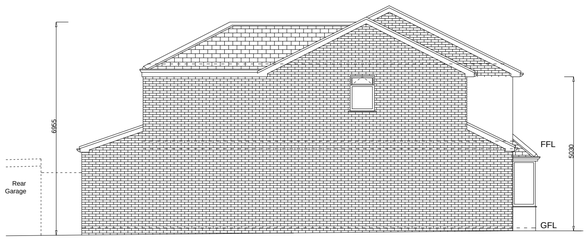
Existing RHS Elevation



Existing Rear Elevation

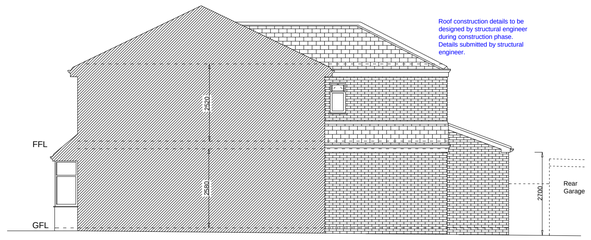


Proposed Front Elevation



Proposed LHS Elevation

Roof construction details to be designed by structural engineer during construction phase. Details submitted by structural engineer.



Proposed RHS Elevation



Proposed Rear Elevation