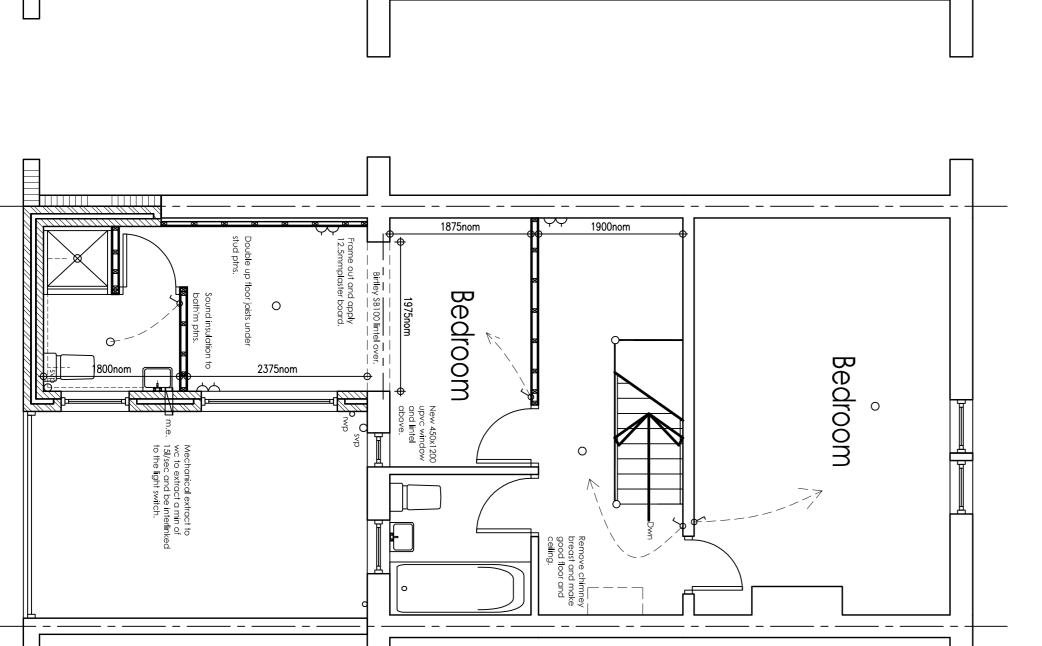
INTERNAL LIGHTWEIGHT PARTITIONING
The internal partitioning will comprise of 75 mm x 50 mm vertical softwood timber studding secured at 400 centres with 75 mm x 50 mm head and sole plates.
75 mm x 50 mm horizontal noggins secured at 600 mm centres all faced both sides with 12.5 Gyproc plasterboard and skim finishes. Where specified on the drawings to provide acoustic control the partitioning voids will receive 75 mm thickness ROCKSIL acoustic insulation material. The designed floor joists will be doubled up when running parallel with and under the lightweight partitioning.



Dining

All cavities will
be closed at the jambs and the eaves with blockwork
materials and suitable Hyload damp proof course
system. All cavities closed at the jambs, cills, and head
situations will be suitably insulated to prevent cold
bridging. Lean mix filling to cavities below ground
levels and terminating 225 mm below the lowest damp
proof course system. Brickwork below ground levels will
be built with special quality brickwork as described in
BS 3921 CLASS B Engineering brickwork. All the
external walling situations will have ventilation openings
in the form of air bricks to BS 493 ensuring that the
ventilation air will have a free continuous path
between opposite sides and to all parts of any
enclosed floor voids. The openings shall be large
enough to give actual openings of at least equivalent
to 3000mm2 for each metre run of walling. Any
trunking of pipework needing to carry ventilation air
will have a diameter of at least 100mm. Movement
joints to the external walling will be filled with
Servicised Aerofil materials with Evode Low Modulus
Silicone Sealant to brickwork faces. Foundations are
subject to existing ground conditions and will have not
less than 600mm cover below ground levels. When the
route of any drainage comes into contact with any
external loadbearing structure supported with
foundations then that foundation will be level with or
above the finished ground levels. Foundation designs
must be approved by the local authority building
control officer and subject to site investigations
revealing the loadbearing structure. An unsuitable strata
will necessitate the deposite of supporting strutural
information. Any steel reinforcement to foundations to
comprise of mesh steel fabric ref: A142

sitioned vertically and built into the jambs of all all door and window openings and behind cills oor thresholds. ss than 150mm above ground levels to all ing walls and continuous with the inner leaf oversite concrete floor slab damp proof ned horizontally to all external door and penings and behind all cills and door

L MEANS OF VENTILATION
o any habitable room to be in
approved document F1 2010
latural ventilation openings to be
tieth of the floor area of the
ave permanent ventilation
rimvents fitted to the head of
provide 8000mm2 of additional
the Domestic kitchen will have
ble of extracting at least 60
Der hour) air replacement
rooms and shower rooms will
capable of extracting at least
3 per hour) air replacement
capable of extracting at a rate
anges per hour air
sich can be operated intrmittently
run period of 15 minutes.
air.

FLOORS AND ROOFS.

Julid be suitably anchored with a metal anchors comprising of traps having a cross section of a secured to brickwork and exceeding 2m to provide restraint

200x63 C16 @400 centers.

itioned at or above the m Kingspan Thermafloor TF70 m Kingspan Thermafloor TF70 ng on 1200 gauge damp proof nuous with the damp proof course on 25 mm sand blinding on 25 mm sand blinding on Consolidated hardcore. ( ALL IN CONSOLIDATE OF 0.22 W/M2 DEGREE C OR

Fit truss clips to rafter feet.

New built in joist ends to be sealed at wall junction to prevent air leakage.

DO NOT SCALE FROM THIS DRAWING

Living room

constructed of 150mm thickness concrete base slab
1:2:4 mix with benching formed in 1:2 concrete
mortar to 1:12 gradients, all trowelled smooth with
appropriate channels, branches and connection bends.
The walling of the chamber will be constructed with
215mm thickness Class B engineering brickwork to BS
3921 formed in English Garden wall bond to the
required invert. 150mm concrete cover slab with the
appropriate haunching forming the cover levels and
frame. The inspection chamber cover will be mild steel
and medium duty screw down sealed type unless
otherwise stated. On completion of the works the
entire drainage system will be tested for water
tightness to the satisfaction of the local authority
building control officer. (APPROVED DOCUMENT H 2010
BUILDING REGULATIONS)

pecification for the use of Doors and Windows will enerally be manufactured from either softwood, ardwood, or UPVC materials. (Client Consideration) The lazing requirements will be double glazed sealed units 5 BS 6206 fitted with trickle vents (see vent. spec.) Then any glazing systems is within a sight of 800mm from a floor level in internal or a sight of 800mm from a floor level in internal walls and 1500 mm from floor level in a cor side screen then safety glazing will be introduced comply with the current codes of practice and with 1500 mm from BS6262.

LTO ACHIEVE A U VALUE OF 1.8 W/M2 for doors id 1.6 W/M2 for windows.

I Installation earthing and I in accordance with the 18th ulations N.I.C.E.I.C. and Gas Safe omply with the requirements of actor shall provide all of statutory authority. All the ghting requirements shown on affive and should be used for oses only. Client agreement and must be obtained thereafter. Fire ystems will be installed and oe and will be fed exclusively mains feed supply. Emergency designed in accordance with

ble works are to b " registared with c

sast one third of new rooms are to be fitted high efficiency light fittings and positioned in most frequently used. g to be energy efficient r or similar.

resistant to B.S. 5669 1979 nailed to 200x50 timber joists at 600mm ctrs. C16 graded, built into inner leaves of cavity walls. Lay min 150mm thick quilt fibre insulation between joists. Where joists run parallel to external walls, once bent 35x5mm mild steel straps to be built into inner leaf and carried over the last three joists with noggins at strap positions, straps to be fitted at 2.0m ctrs. Herringbone strutting to be fitted at mid span where span exceeds 2.0m. 90mm min end bearing to joists. 12.5mm plasterboard and skim to form ceiling. U VALUES.

The construction will achieve complience with the current insulation standards and will achieve the following 'U' values (w/m2k):

a. Floors - 0.22 b. Walls - 0.28 c. New windows - 1.6 d. Pitched roof with insulation e. Doors - 1.8

INSPECT SITE, TRESS ETC/WORKS BEFORE COMMENCEMENT. REPORT ANY DISCREPANCIES IMMEDIATELY. ALL SITE DIMENSIONS SHALL BE VERIFIED BY THE CONTRACTOR ON SITE PRIOR TO COMMENCING WORKS ALL DRAINAGE RUNS SHOWN ARE ASSUMED. THE CONTRACTOR IS TO CHECK LAYOUT PRIOR TO BUILD. FOUNDATION DEPTH AND DESIGN ARE ASSUMED AND DEPENDANT UPON SOIL CONDITIONS AND NEARBY VEGETATION. ALL TO BE APPROVED BY BUILDING CONTROL PRIOR TO INSTALLATION. THE ELECTRICAL LAYOUT IS FOR INDICATION PURPOSES ONLY. Newbiggin **NE64 6XW Building Design** 22 Rothsay

dpc

(0191) 488 1928

**Proposed Rear Extension** Terrace SCALE DWG NO.

DATE

2022

22-751-02

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Proposed Section

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Foundation depth and design are assumed and dependant upon soil conditions. All to be approved be the building control inspector.

Proposed Ground Floor

Proposed First Flo