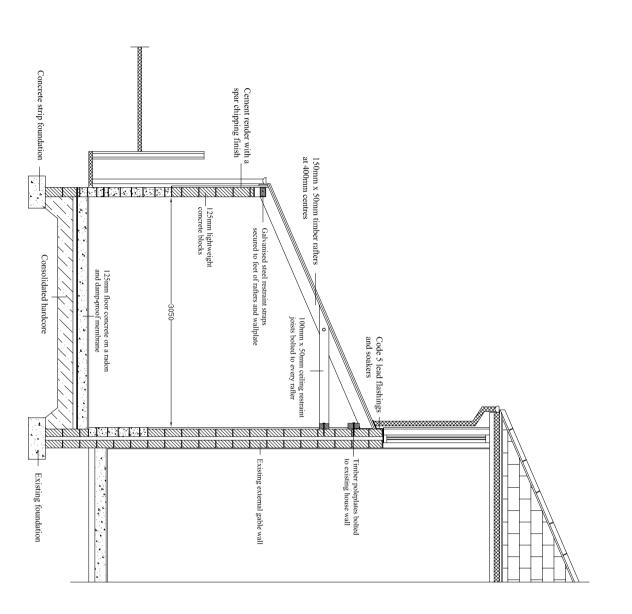
PROPOSED SECTION THROUGH GARAGE



CONSTRUCTION NOTES

CONSTRUCTION TIES AND COMPONENTS

rafter feet straps are to be centred at the following:with stainless steel ties every masonry course. Wallplate straps - 1800mm centres; Galvanised steel wallplate straps, rafter restraint and flanking walls or have proprietary mechanical fixings All new walls are to be block bonded into the

and secured to every third joist; Rafter restraint straps - 4 built into wall and extended

and secured to inner block wall. Rafter feet - fixed to each rafter and extended down

RADON GAS

to be incorporated under the floor and extend through radon gas into the building from the ground floor is Application procedure:the external wall and link up to the external d.p.c. designed to provide protection from the entry of A horizontal low density reinforced membrane

and be laid to the manufacturer's instructions and to edges of membrane under d.p.c. of external wall. overlapping joints 100mm and sealing with a sealant Approved Document C2 The preferred membrane must comply with BS 5759 tape using a "top hat" seal for all service pipes. Carry Cover entire floor with a radon protection barrier

ROOM VENTILATION

will be in excess of 1/20th of the floor area of the room located 1750mm above floor level. square. The windows are to be secure, adjustable and they serve with background ventilation of 8000mm Rapid ventilation "opening lights" to all new windows

ESCAPE WINDOW

obstructed openings of a minimum area of 0.33 metres The bottom of the opening should not be more than square and at least 450mm high and 450mm wide. All new windows to habitable rooms are to have un-1100mm above floor level.

ROBUST CONSTRUCTION

Robust construction details to include:-

- a) A continuous thermal element of dry-lining around the internal perimeter of the extension which would elevate thermal bridging through the wall.
- c) All service pipes and ducts bridging an external b) Thermal joints between elements i.e. around windows compound. breaks or have the insulation extended to abut the and door openings are to be closed with thermal frame and suitably sealed with an approved mastic
- set out in the Domestic Heating Compliance Guide. with Kooltherm pipe or duct insulation or to standards Internal pipes, hot water vessels etc. shall be insulated Provisions should be made to reduce unwanted air Kooltherm duct insulation. sulated with Kingspan Kooltherm pipe insulation or element are to be sealed around the element and in-

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leakage through the new envelope of the building fabric.