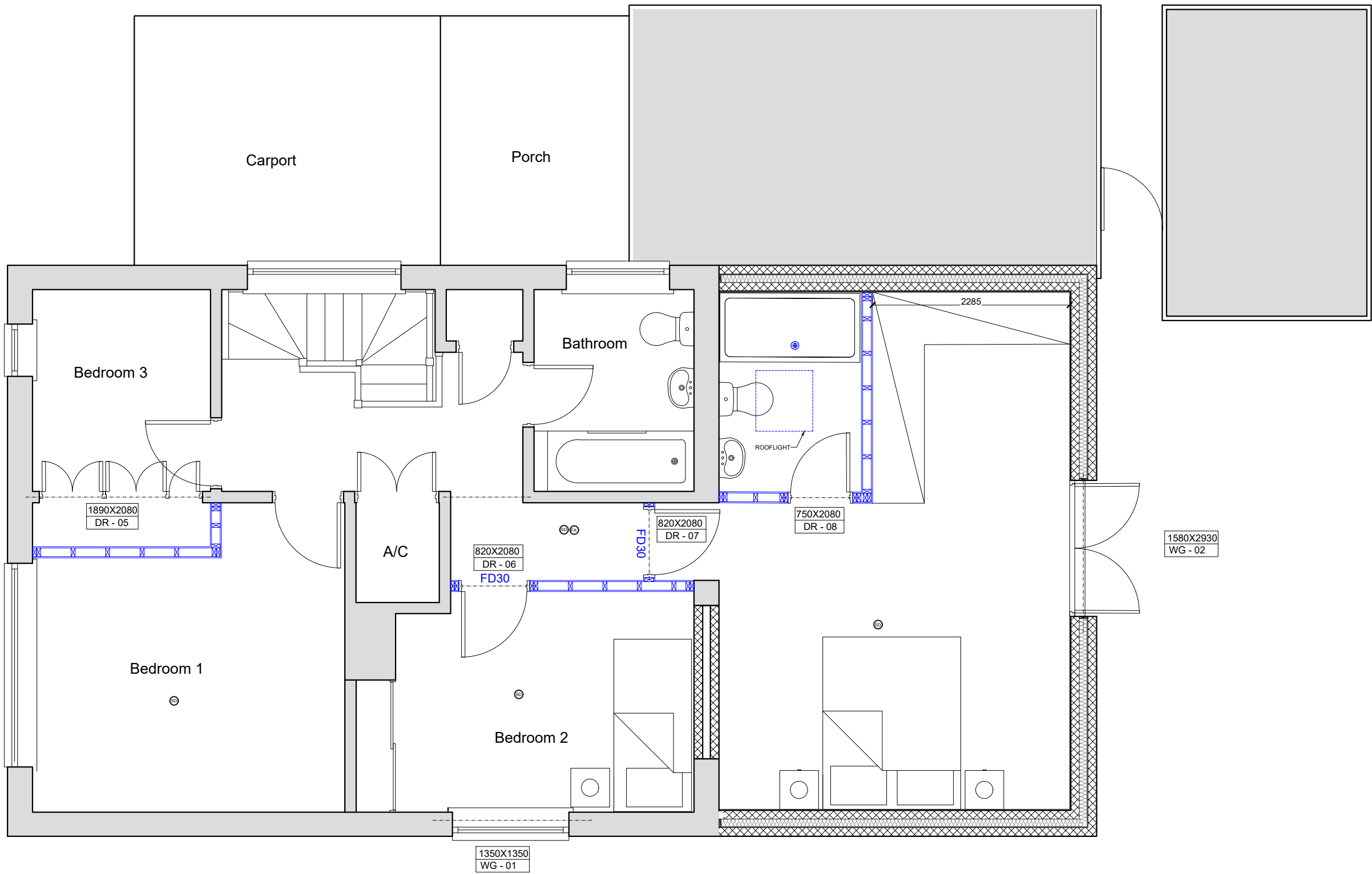




PROPOSED FIRST FLOOR PLAN  
SCALE 1:50

**EXCAVATED MATERIAL HANDLING:**

Excavated materials shall be properly handled, stored, and disposed of in accordance with relevant environmental regulations and local authority guidelines. Suitable measures should be taken to prevent soil erosion, sedimentation, and contamination of nearby water bodies during the excavation process.

**TRENCH FOUNDATION**

Provide trench foundations specified by engineer, concrete mix to conform to BS EN 206 and BS 8500-2. All foundations to be a minimum of 1000mm below ground level, exact depth to be agreed on site with Building Control Officer to suit site conditions. All constructed in accordance with 2010 Building Regulations A1/2 and BS 8004 Code of Practice for Foundations. Ensure foundations are constructed below invert level of any adjacent drains. Base of foundations supporting internal walls to be min 600mm below ground level. Sulphate resistant cement to be used if required. Please note that should any adverse soil conditions or difference in soil type be found, or any major tree roots in excavations, the Building Control Officer is to be contacted and the advice of a Structural Engineer should be sought.

**STRAPPING OF FLOORS**

Lateral restraint to be provided where joists run parallel to walls. Floors to be strapped to walls at max 2.0m centres with 1200mm x 30mm x 5mm galvanised mild steel straps or other approved, in compliance with BS EN 845-1. Straps to be taken across minimum of 3 joists and built into walls. Provide 38mm wide x ¾ depth solid noggins between joists at strap positions.

**WALLS BELOW GROUND**

All new walls to have Class A blockwork below ground level or alternatively semi engineering brickwork in 1:4 masonry cement or equal approved specification. Cavities below ground level to be filled with lean mix concrete min 300mm below damp proof course. Or provide lean mix backfill at base of cavity wall laid to fall to weepholes.

**DPC**

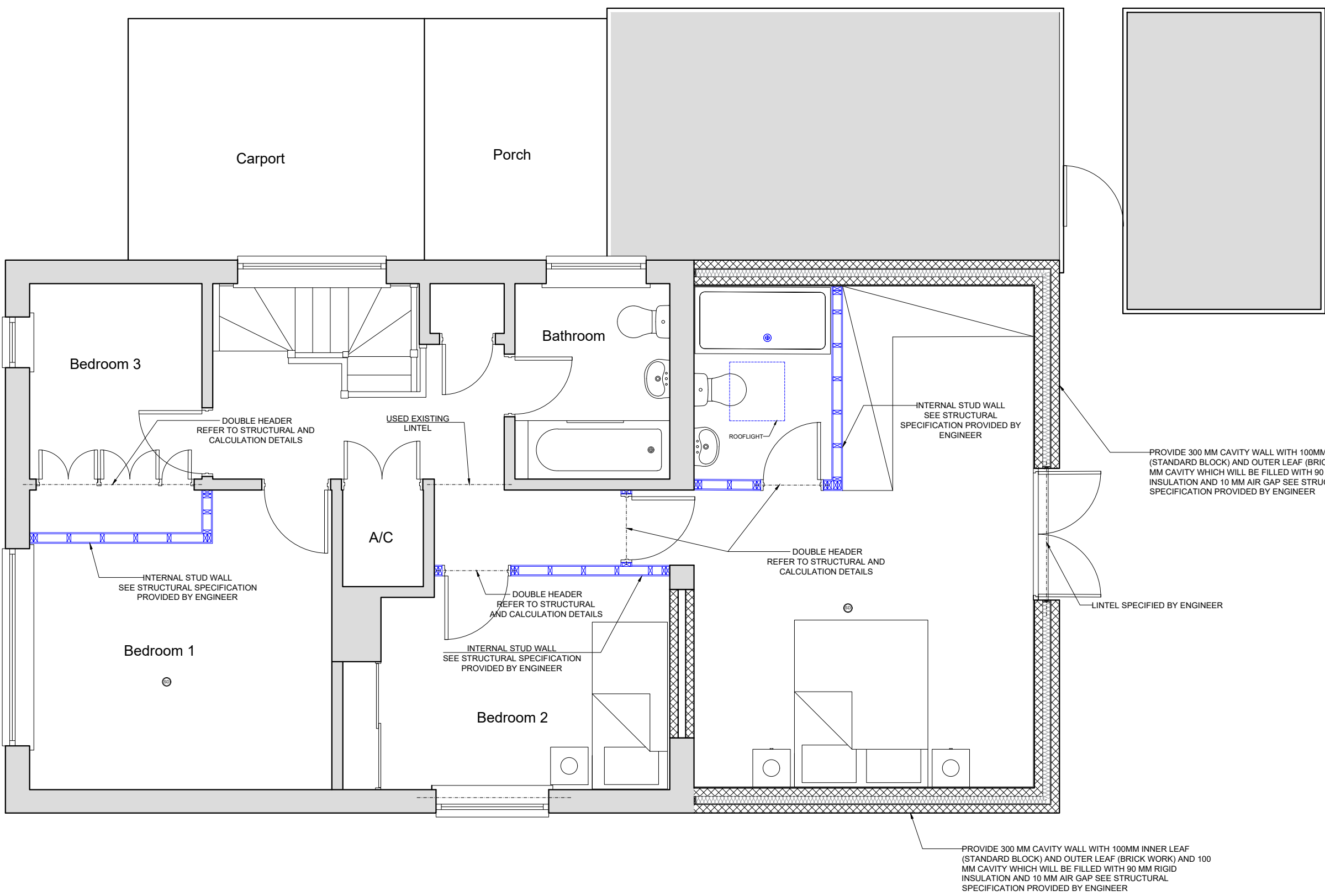
Provide horizontal strip polymer (hyload) damp proof course to both internal and external skins minimum 150mm above external ground level. New DPC to be made continuous with existing DPC's and with floor DPM. Vertical DPC to be installed at all reveals where cavity is closed.

**HEALTH AND SAFETY**

The contractor is reminded of their liability to ensure due care, attention and consideration is given in regard to safe practice in compliance with the Health and Safety at Work Act 1974.

**PIPES PASSING THROUGH WALLS**

new pipework passes through external walls the pipe work is to be provided with 'rocker pipes' at a distance of 150mm either side of the wall face. The 'rocker pipes' must have flexible joints and be a maximum length of 600mm.



PROPOSED FIRST FLOOR PLAN  
SCALE 1:50

**INTERNAL STUD PARTITIONS:**

Timbers studs (with respect to the size of the wall) with specific sole plates (with respect to the size of the wall) fix to base and solid intermediate horizontal noggins at 1/3 height or 400mm c/cs. Provide min 10kg/m³ density acoustic soundproof quilt tightly packed (eg. 100mm Celotex GA4000 insulation) in all voids the full depth of the stud. Partitions built off doubled up joists where partitions run parallel or provide noggins where at right angles. Walls faced throughout with 12.5mm plaster board with 3mm skim plaster finish. Taped and jointed complete with beads and stops.

**STEEL BEAM INSTALLATION NOTES**

**HANDLING AND LIFTING:**

Take proper precautions when handling and lifting steel beams. Use appropriate lifting equipment, such as cranes or forklifts and ensure that the load is evenly distributed and securely fastened during transportation and installation.

**WELDING AND CONNECTIONS:**

Follow proper welding procedures and techniques as per the structural engineer's specification. Ensure all connections bolts and welds are securely fastened and inspected for structural integrity.

**STRUCTURAL SUPPORT:**

Provide adequate supports and bracing during the installation process to maintain the stability of the steel beams. Temporary supports may be necessary until the permanent connections and supports in place.

**SAFETY MEASURES:**

Implement appropriate safety measures throughout the installation process. Provide workers with personal protective equipment (PPE) and ensure a safe working environment, including fall protection systems and barriers where necessary.

**QUALITY CONTROL AND INSPECTION:**

Conduct regular inspections during the installation to ensure the quality and accuracy of the work. Verify that the installed beams align with the approved design and adhere to all specifications and codes.

**FIRE PROTECTION**

New steel beams to be encased in 12.5mm Gyproc FireLine board with staggered joints, Gyproc FireCase or painted in Nullifire S or similar intumescent paint to provide 1/2 hour fire resistance, as agreed with Building Control. All fire protection to be installed as detailed by specialist manufacturer.



**CHINAR ARCHITECTS AND ENGINEERS**

Email:  
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Project Name  
Rear extension and  
garage conversion

Project location  
The Cherries Wyndham lane Allington  
Wiltshire SP4 0BY

Project number 5425  
Date 12/12/2025  
Drawn by Ar.hadia  
Checked by Engr. Naveed

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Scale 1:50

