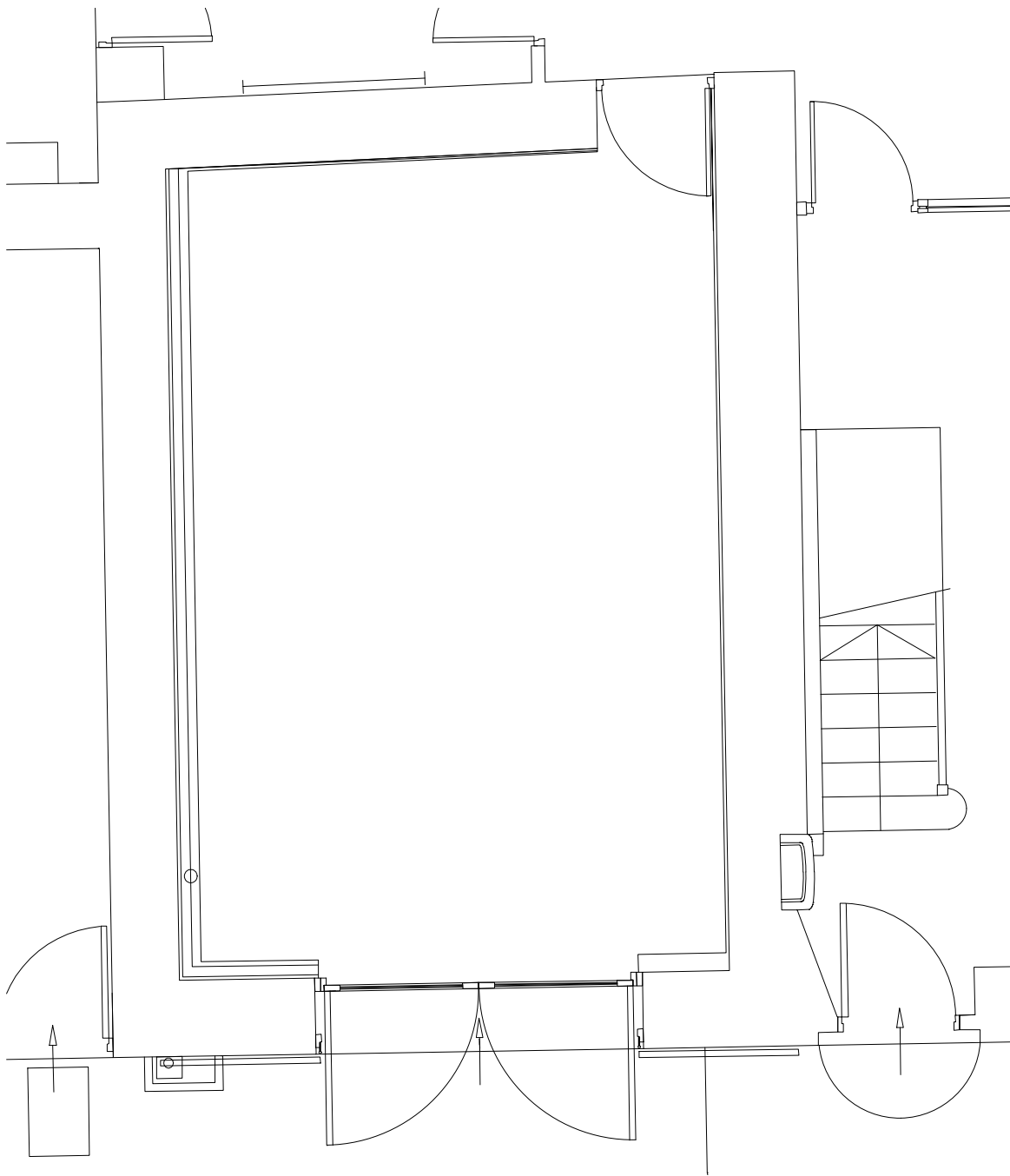




Plan
[Scale 1:50]

Description of Works:

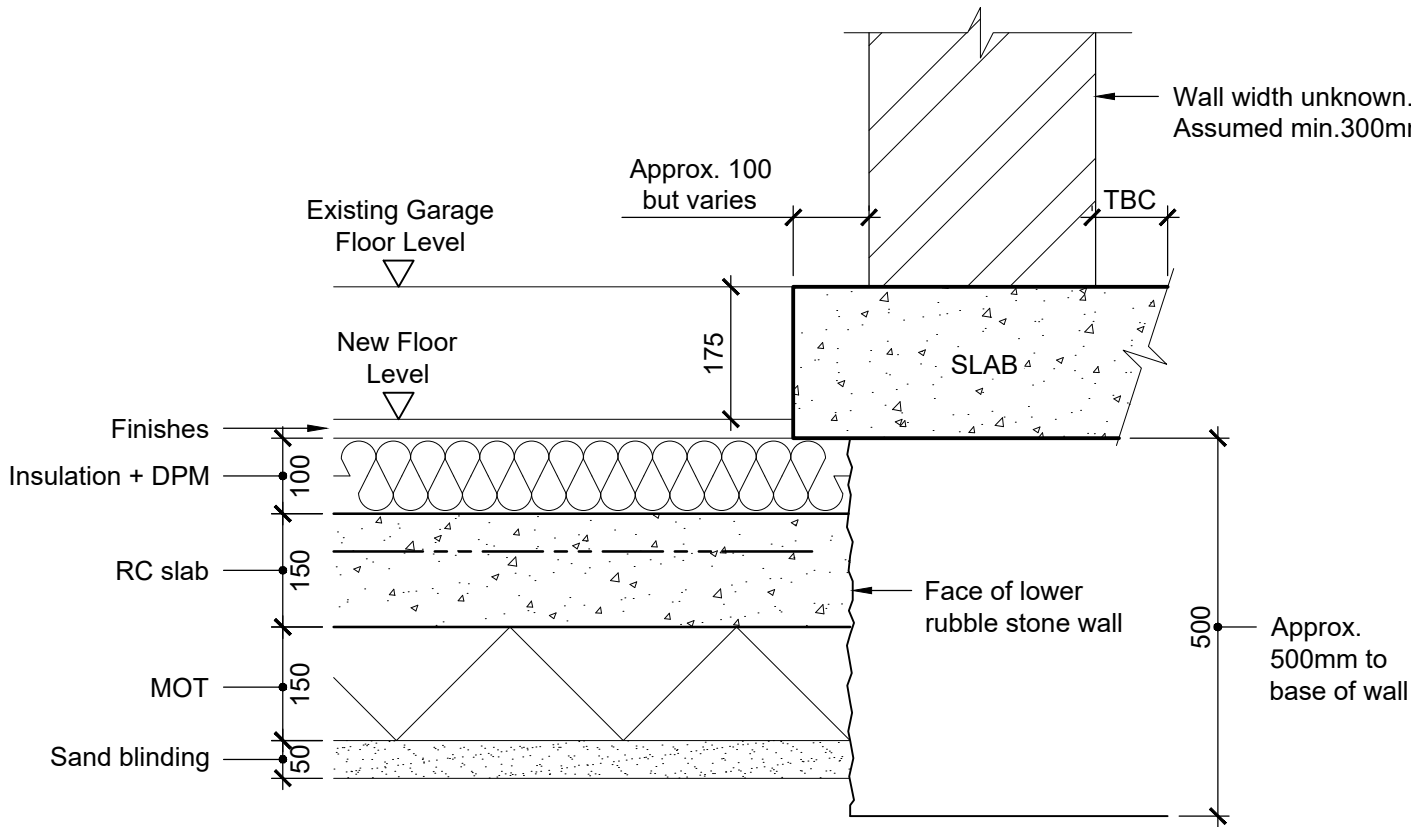
It is proposed to remove the existing concrete slab floor of the garage and replace it with an insulated floor slab to meet current Building Regulations. The top of the new floor slab will sit at a lower level than the existing in order to provide a greater floor to ceiling height,
Due to the removal of the existing slab and the excavation of ground required to reach the base of the new floor build up this means that the base of the perimeter walls to this room may be exposed and possibly undermined during construction.

Method Statement:

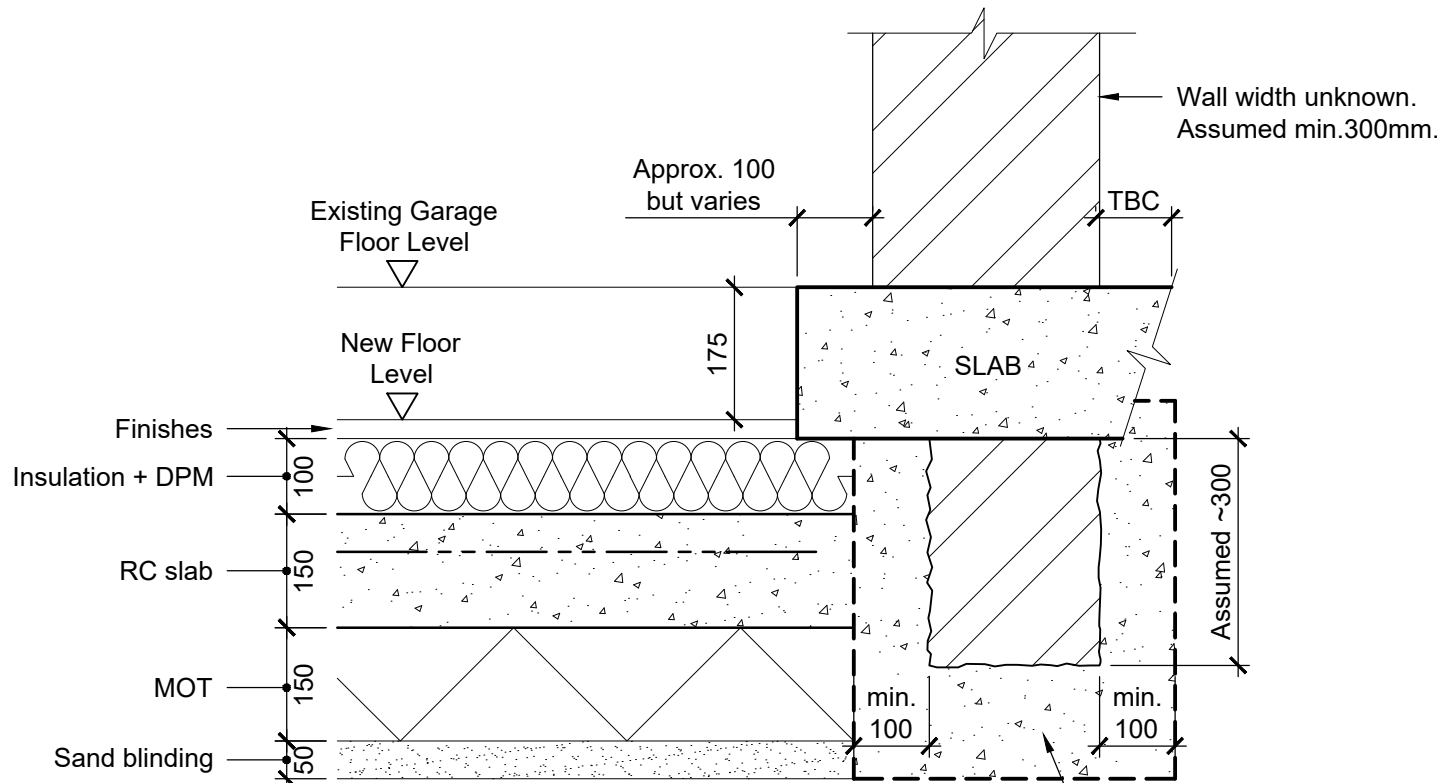
- 1) Garage floor slab to be removed leaving existing local concrete 'skirt' detail to perimeter walls.
- 2) Trial dig a 1m length adjacent to each perimeter wall to depth to match base of proposed floor build up. If base of wall is found and undermined then revert to underpin details as below and method for underpinning also provided.
- 3) If base of wall is not undermined then continue with general excavation and construction of slab.
Note: Depth of wall footing can vary along its length and so care must be taken to ensure the wall depth is checked at multiple locations ie. every 2m along the length of the wall.

Construction Notes:

1. General Notes:
 - 1.1. This drawing to be read in conjunction with all relevant Architect's, Engineer's and Specialist's drawings and specifications.
 - 1.2. Work to be carried out in accordance with current good practice, Building Regulations and subsequent amendments, the project specification, relevant British Standards and codes of practice. Materials and components to be suitable for their intended use.
 - 1.3. For setting out refer to Architects drawings.
2. Underpinning Notes:
 - 2.1. The Contractor shall identify the exact location of all underground services and drains. The Contractor shall provide any temporary propping, needle beams, planking or strutting etc. necessary to maintain the stability of the existing structure and of the excavations during the course of the works.
 - 2.2. All work shall be carried out in accordance with the relevant British Standards and with the Building Regulations. The Contractor shall include for all costs in respect of notifying the Local Authority Building Control Officer and arranging for them to inspect the Work when required by the Building Regulations 1991.
 - 2.3. Underpinning pads shall be no longer than 1000mm and shall be excavated by hand. Prior to concreting, the underside of the existing foundation shall be cleaned of all soil and loose material and surface water shall be bailed out.
 - 2.4. The top of the concrete pour should exceed the existing bottom of footing by minimum 100mm to ensure adequate contact with the existing foundation. Concrete to be fully compacted with a vibrating poker and refilled as necessary.
- 2.5. At least 36 hours shall elapse between concreting one or more pads and excavating for adjacent pads. No more than 25% of any wall length may be excavated at any one time and no two adjacent pads shall be excavated simultaneously. Concrete is to be placed as soon as possible after excavation of each pad.
- 2.6. Adjacent pads are to be keyed together by casting into each side construction joint, two 20mm dia. dowel bars 600mm long with 100mm side cover, positioned at mid-depth.
- 2.7. Designed Concrete for Mass Concrete Underpinning
 - Reinforcement/ embedded metal: No
 - Compressive strength class (cylinder/ cube): C25/30.
 - Target density (oven-dry): Normal.
 - Aggregates:
 - Size (maximum): 20mm.
 - Type/ Density: Normal Weight.
 - Recycled coarse aggregates: Do not use.
 - Other requirements: None.

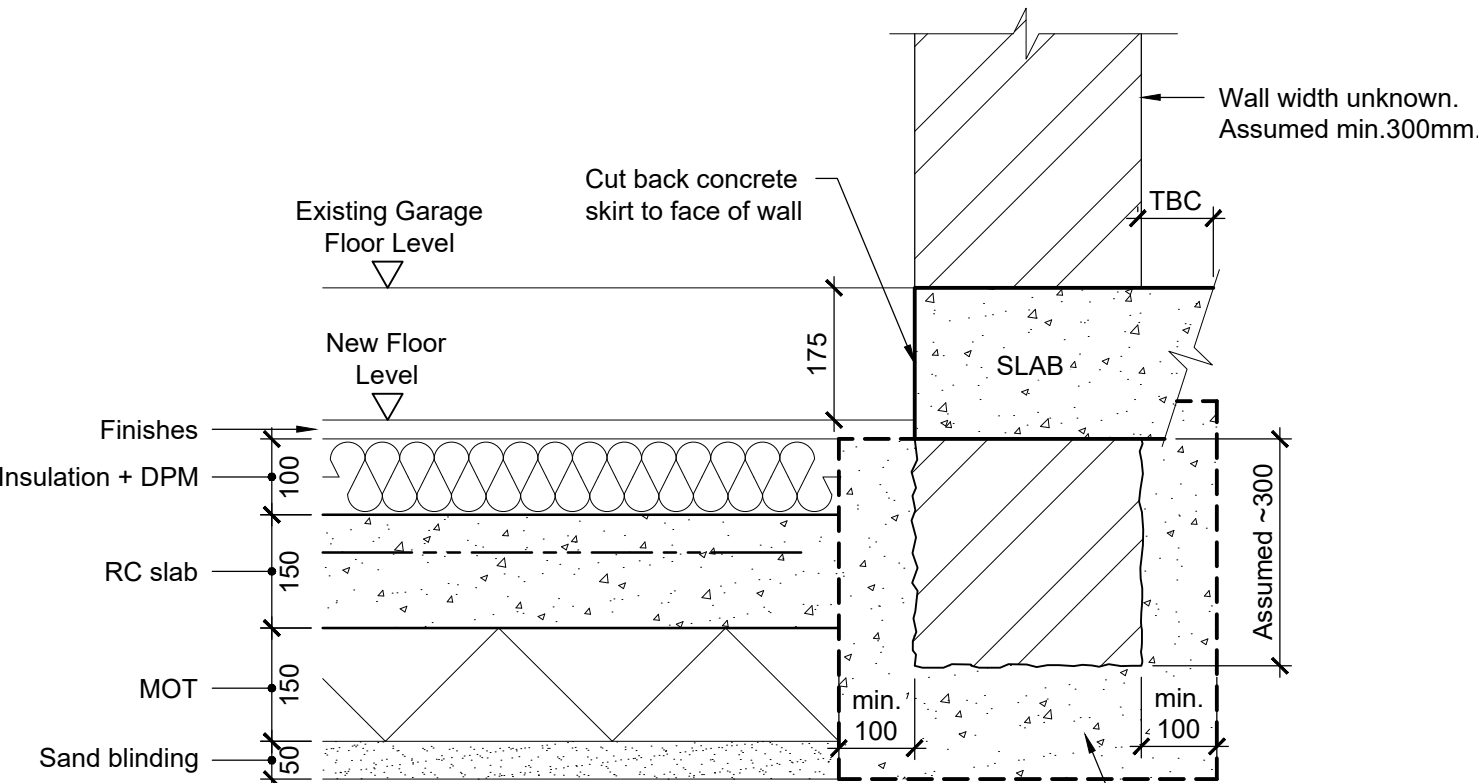


Section Through Wall and Proposed Floor Construction
(Right Hand Wall of Garage when Facing Front of House)
[Scale 1:10]



Detail if Excavation Undermines Wall*
(Right Hand Wall)
[Scale 1:10]

Mass concrete underpin to base level of propose excavation to suit new floor build up. 225, onto ground of min.100kN/m² bearing capacity to building control approval.



Detail if Excavation Undermines Wall*
(Rear Garage Wall)
[Scale 1:10]

Mass concrete underpin to base level of propose excavation to suit new floor build up. 225, onto ground of min.100kN/m² bearing capacity to building control approval.

*i.e. if other wall do not extend as deep as the one measured on site.

Rev	Description	By	Chkd	Date
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Drawing Status:

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&partners

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Client:

Katie Hodgson

Project:

Little Padfield Farm, Little Padfield,
Glossop SK13 1ER

Drawing Title:

Floor Construction and Underpinning
Method Statement

Drawn By:	Checked By:	Date:	Scale:
DB	JC	20/02/2024	As noted on A2

Drawing No:	Revision:
D26681-101	-