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Catnic CG insulated steel lintel inserted over new door opening.

New back inlet gully to face of rear extension, run new Upvc gutter into new 75mm Upvc rainwater pipe then into new back inlet gully. Drains to connect into existing drainage run. Existing drainage run to be confirmed and exposed during excavations for extension. If drainage run goes under extension, then top of foundations are to be at least as deep as the under side of the existing drain AND to depth of existing foundations.

12.5mm plasterboard and skim on dabs, on 100mm Aircrete thermal blockwork inner leaf, 100mm cavity with 97mm Mannok Isoshield full fill cavity insulation, 102mm brickwork outer leaf, to match existing.

Broken lines indicate existing rear wall of garage to be removed and door into kitchen removed.

Drains of new shower room to connect into existing soil pipe. Soile pipe to be replace with new Upvc soil pipe with roddable cover above floor level. Builder to agree position and connections on site with building inspector.

Line brick walls with the following:

- Breather membrane fixed to existing wall.
- Build 100x50mm timber stud frame.
- Fit 70mm Kingspan Kooltherm K112 between studs.
- Face studs with 50x50 cross battens with 40mm Kingspan Kooltherm K112 between cross battens.
- Face studs with vapour barrier.
- Line with 12.5mm plasterboard and skim coat.
- To achieve U-Value of 0.18W/m²K.

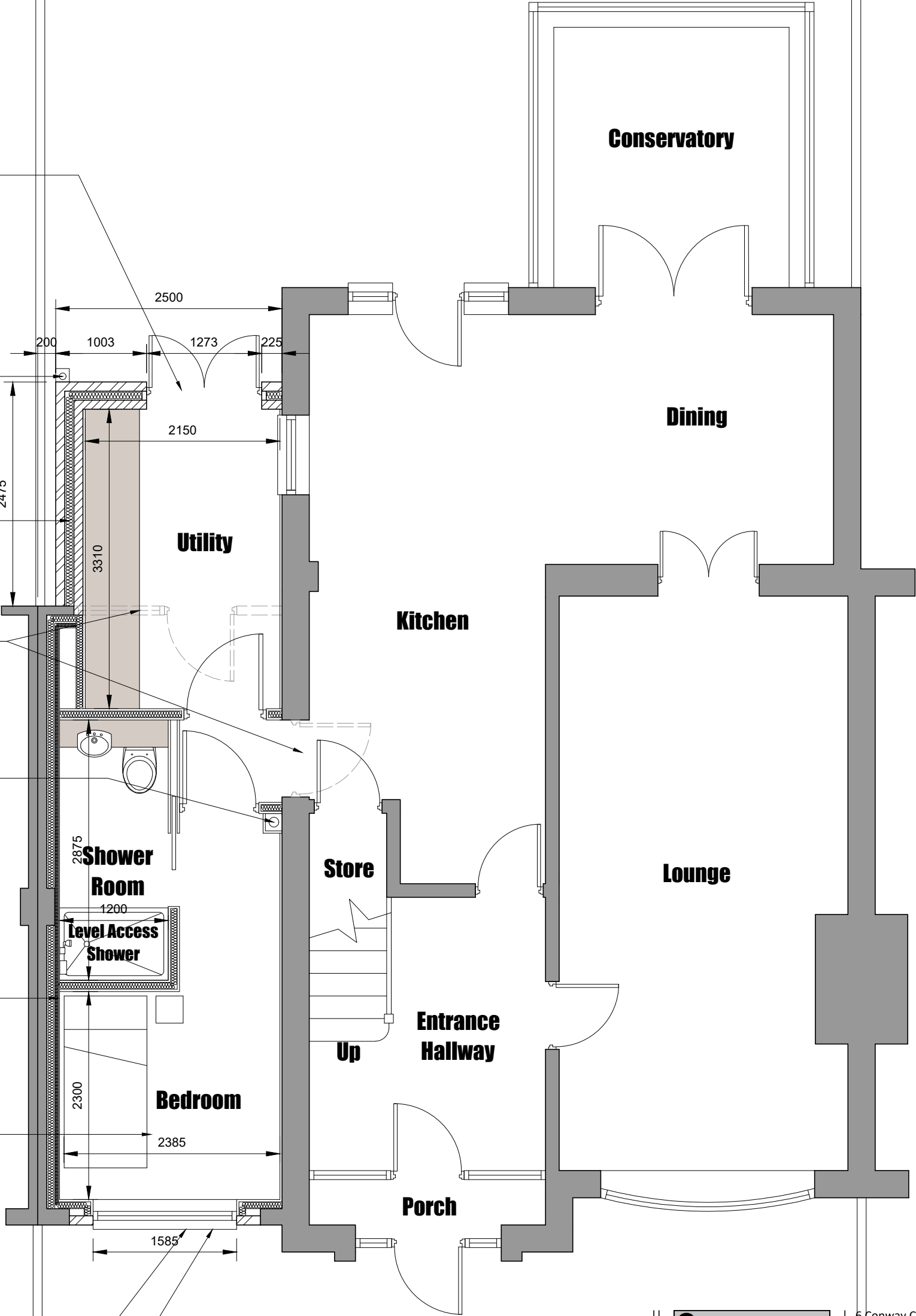
New floor to be the following:

- Visqueen sheet laid on existing concrete floor.
- 150x50mm C16 timber floor joists, sat on garage floor, use packers to level.
- 120mm Mannok Therm Floor / MF insulation between joists on 25x25mm timber batten supports.
- 18mm tongue and groove chipboard floor.
- To achieve U-Value of 0.18W/m²K.

Build new single skin wall to front of converted garage off existing foundation, in 102mm facing brickwork outer leaf to match existing. Line internally with the same timber frame and insulating construction as the existing side walls. Insert new DPC in opening at level of existing.

U value of cavity wall = 0.18W/m2K.

Insert Catnic single skin L shaped lintel over new front window.



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JOB TITLE
ADDRESS :
DRAWING TITLE :
SCALE :
DRAWN : xxx

Single Storey Side Extension, Convert Garage
48 Hardfield Road, Alkington
Proposed Ground Floor Plan
1:50 @ A3
DATE : 27.09.24