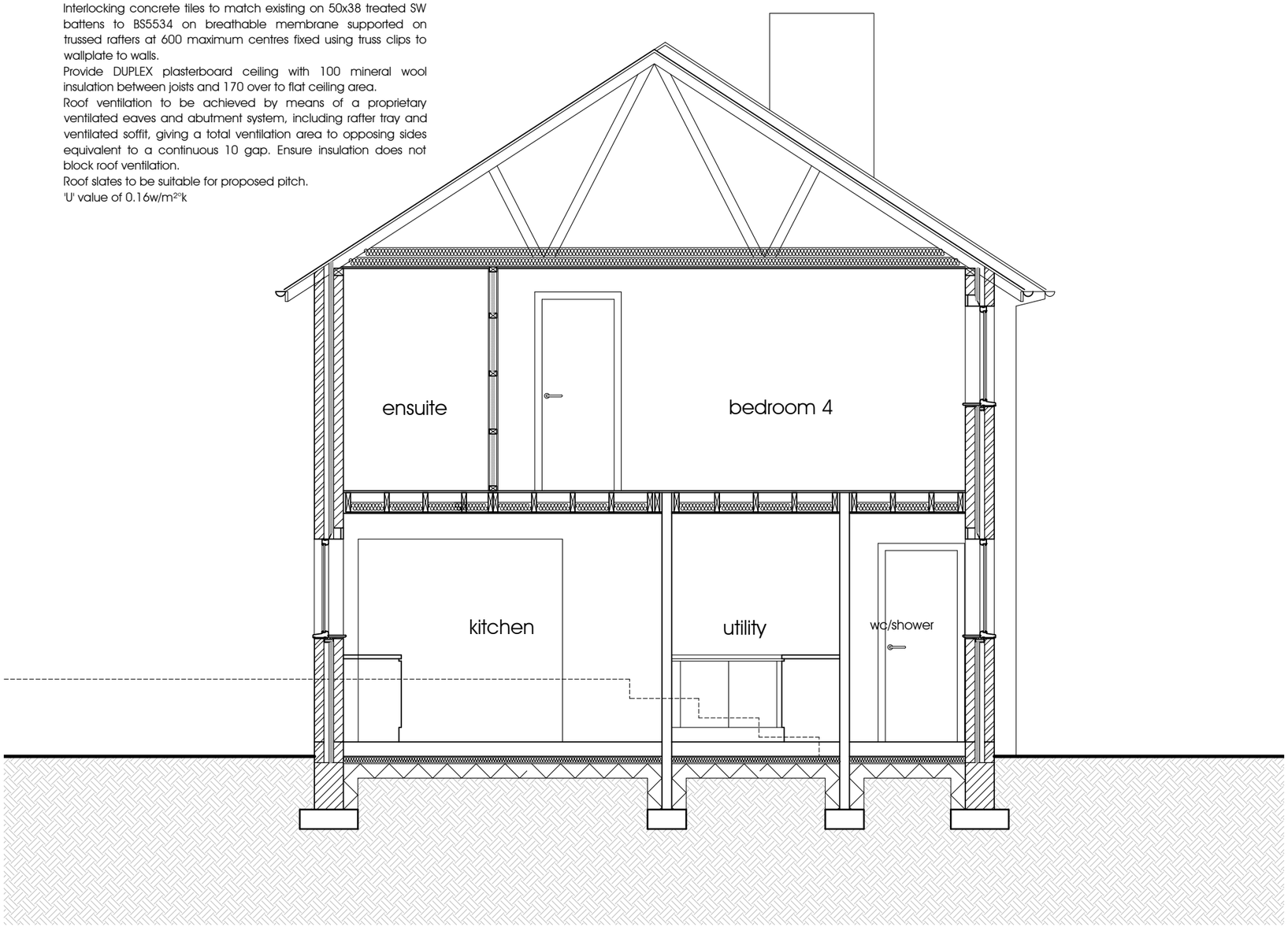
All dimensions shall be verified by the contractor on site prior to work commencing.

Do not scale from this drawing. Only work to written dimensions

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ROOF STRUCTURE - pitched

Interlocking concrete tiles to match existing on 50x38 treated SW battens to BS5534 on breathable membrane supported on trussed rafters at 600 maximum centres fixed using truss clips to wallplate to walls.
Provide DUPLEX plasterboard ceiling with 100 mineral wool insulation between joists and 170 over to flat ceiling area.
Roof ventilation to be achieved by means of a proprietary ventilated eaves and abutment system, including rafter tray and ventilated soffit, giving a total ventilation area to opposing sides equivalent to a continuous 10 gap. Ensure insulation does not block roof ventilation.
Roof slates to be suitable for proposed pitch.
'U' value of 0.16w/m^{2o}k



a section
Scale: 1:50

SITE CLEARANCE

The site is to be cleared of all buildings, rubble, debris and vegetation to a reasonable subsoil level agreed with the Building Control Officer.
All underground chambers shall be demolished filled and compacted as detailed by Structural Engineer.

FOUNDATIONS

EXISTING FOUNDATIONS ARE TO BE EXPOSED AND IF NECESSARY APPROVED FOR ADDITIONAL LOADS BY THE BUILDING CONTROL OFFICER.
200 thick insitu concrete strip foundations, projecting minimum 150 on each side of supporting wall, with a minimum 600 cover to finished external ground level, or to level of adjacent existing foundations or to invert level of adjacent drains, which ever is the greater and to a suitable bearing strata agreed with the Building Control Officer and in accordance with Regulations A1/2.

WALLS BELOW DPC

Walls below DPC to be concrete trench blocks from foundation to 225 below finished ground level with dense concrete blockwork inner skin and engineering brick to DPC externally.

EXTERNAL WALLS

External walls to comprise:
rear extension:
103 facing brickwork, 100 cavity, with stainless steel wall ties to BS 1243:1978 set at staggered centres 750 horizontally and 450 vertically, reduced to 225 centres around openings, 50 *Kingspan* insulation, 100 lightweight insulating blockwork, 2 coat lightweight plaster finish or 12.5 plasterboard on dabs with skim finish
Minimum 'U' value of 0.28w/m^{2}k
Thermabate or similar cavity closers to openings
side extension:
single coat through colour render finish to100 dense concrete blockwork, 100 cavity, with stainless steel wall ties to BS 1243:1978 set at staggered centres 750 horizontally and 450 vertically, reduced to 225 centres around openings, 50 *Kingspan* insulation, 100 lightweight insulating blockwork, 2 coat lightweight plaster finish or 12.5 plasterboard on dabs with skim finish
Minimum 'U' value of 0.28w/m^{2}k
Thermabate or similar cavity closers to openings
front ground floor elevation:
100 wide larch boarding with untreated finish on treated SW battens fixed to 100 dense concrete blockwork, 100 cavity, with stainless steel wall ties to BS 1243:1978 set at staggered centres 750 horizontally and 450 vertically, reduced to 225 centres around openings, 50 *Kingspan* insulation, 100 lightweight insulating blockwork, 2 coat lightweight plaster finish or 12.5 plasterboard on dabs with skim finish

GROUND FLOOR CONSTRUCTION - concrete

150 thick reinforced insitu concrete ground floor slab cast onto external wall with 70 *Kingspan* Kooltherm K103 floorboard insulation, Visqueen DPM and rolled and blinded sub base.
'U' value of 0.21w/m^{2}k

WINDOWS

All windows are to match existing, clear or obscure double glazed with Pilkington K glass or similar approved, with a 16mm Argon filled gap and a 'Soft' Low-E coating, and with safety glass in critical locations, between finished floor level and 800mm above that level in internal and external walls and between finished floor level and 1500mm above that level in a door or a side panel to either edge of door. All to comply to BS 6206: 1981 and to Part N of the current Building Regulations.
Where required to provide escape window as Part B i.e. '*at least 0.33m^2 and at least 450hx450w with cill not more than 1100 above floor*'. Escape windows with cills below 800 to be glazed in safety glass and be fitted with opening restrictor with manual override.

proposed extensions and alterations
133 whitelees road, littleborough

SUBJECT
proposed section

DRAWN dph
DATE november 2020
SCALE 1:50 @ A3

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DWG No.
09