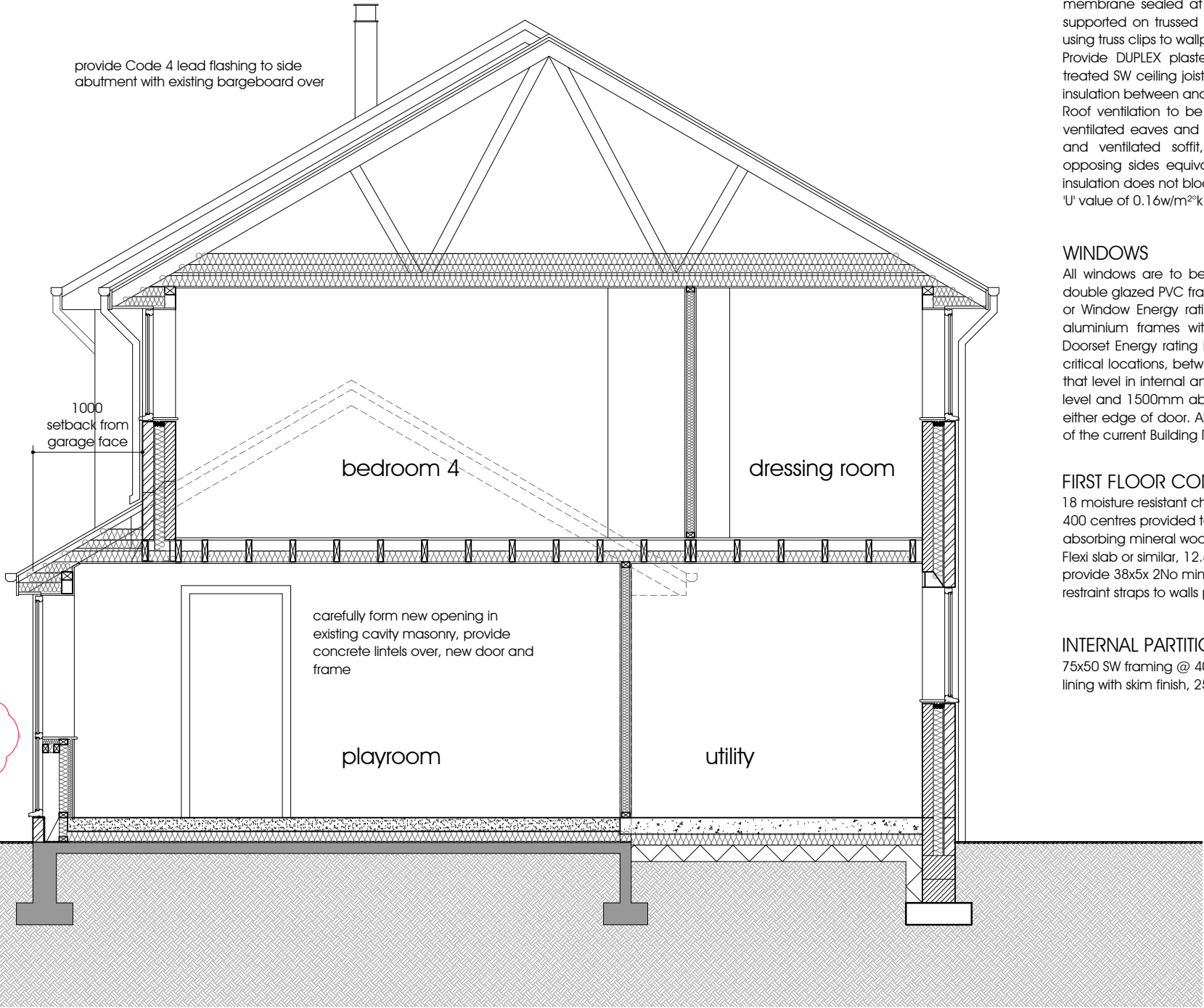


CAVITY WALLS ABOVE DPC LEVEL

External walls to comprise 103 facing brickwork to match existing with stainless steel wall ties to BS 1243:1978 set at staggered centres 750 horizontally and 450 vertically, reduced to 225 centres around openings, 100 cavity with 90 thick *Recticel* Eurothane+ cavity board insulation, 100 lightweight insulating blockwork (Thermalite Shield or similar), 12.5 plasterboard on dabs with skim finish
Minimum 'U' value of 0.18w/m²k
Thermabate or similar cavity closers to openings

ROOF CONSTRUCTION - garage

existing garage roof to be carefully removed and cut back as necessary to form new abutment to first floor wall, existing concrete tiles reused on 50x38 treated SW battens to BS5534 on breathable membrane supported on 150x50 rafters at 600 maximum centres fixed using truss clips to wallplate to walls @ pitch to match existing.
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.
'U' value of 0.16w/m²k



ROOF CONSTRUCTION - extension

Interlocking tiles to match existing on 50x38 treated SW battens to BS5534 with 100 head lap on breathable membrane sealed at laps with 75 wide double sided tape supported on trussed rafters @ 600 maximum centres fixed using truss clips to wallplate
Provide DUPLEX plasterboard ceiling supported on 125x50 treated SW ceiling joists @ 400 centres with 100 mineral wool insulation between and 2N° 100 layers over joists.
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.
'U' value of 0.16w/m²k

WINDOWS

All windows are to be PVC to match existing, clear or obscure double glazed PVC frames with a minimum 'U' value of 0.14w/m²k or Window Energy rating Band B minimum, glazed doors to be aluminium frames with a minimum 'U' value of 0.14w/m²k or Doorset Energy rating Band C minimum 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.

FIRST FLOOR CONSTRUCTION

18 moisture resistant chipboard on 175x50 C16 SW joists @ 400 centres provided to extended areas, provide 100 sound absorbing mineral wool insulation between joists, ROCKWOOL Flexi slab or similar, 12.5 wallboard with skim finish to ceiling, provide 38x5x 2No minimum joists galvanised steel lateral restraint straps to walls parallel to joist @1200 centres

INTERNAL PARTITIONS

75x50 SW framing @ 400 centres with 12.5 wallboard lining with skim finish, 25 Isowool APR 1200 in cavity

FOUNDATIONS

EXISTING FOUNDATIONS ARE TO BE EXPOSED AND APPROVED FOR ADDITIONAL LOADS BY THE BUILDING CONTROL OFFICER. insitu concrete strip foundations to a suitable bearing strata not less than depth of existing foundations agreed with the Building Control Officer and in accordance with Regulations A1/2.

WALLS BELOW DPC

Walls below DPC to be dense concrete trench blocks from foundation to 225 below finished ground level and approved facing to DPC externally.

status
PLANNING

job no

drawing number
10b

title
proposed section

scale
1:50 @ A3

date
september 2025

project
4 white hill close
middle healey

proposed extension
client
mr s szlatoszlavek

do not scale this drawing
all dimensions to be verified on site
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