

To cheeks and gable of dormer fix grey horizontal tiles on 50x25 battens, on Kingspan Nilvent breathable membrane, on 9mm OSB. 75mm Kingspan Kooltherm K7 insulation between 100x50mm timber dormer studs. Lined internally with 52.5mm Kingspan Kooltherm K118 insulated plasterboard with 3mm skim coat. **To give a U-Value of 0.18w/m²k.**

Where dormer wall is within 1 metre then Supalux board is to be used instead of 9mm OSB.

Existing staircase to be checked for compliance with building regs. If not compliant then new staircase to be installed.

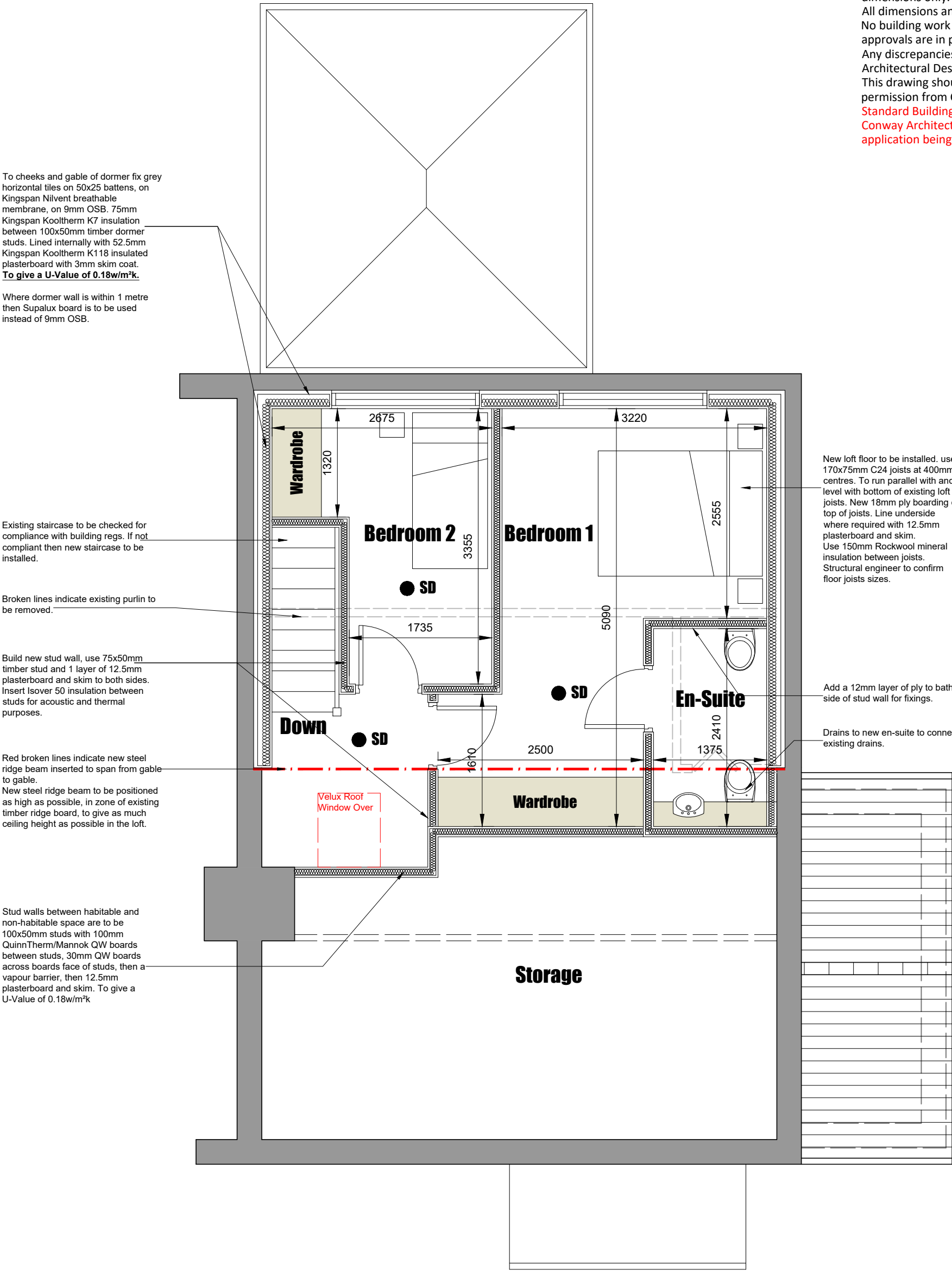
Broken lines indicate existing purlin to be removed.

Build new stud wall, use 75x50mm timber stud and 1 layer of 12.5mm plasterboard and skim to both sides. Insert Isover 50 insulation between studs for acoustic and thermal purposes.

Red broken lines indicate new steel ridge beam inserted to span from gable to gable. New steel ridge beam to be positioned as high as possible, in zone of existing timber ridge board, to give as much ceiling height as possible in the loft.

Stud walls between habitable and non-habitable space are to be 100x50mm studs with 100mm QuinnTherm/Mannok QW boards between studs, 30mm QW boards across boards face of studs, then a vapour barrier, then 12.5mm plasterboard and skim. To give a U-Value of 0.18w/m²k

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New loft floor to be installed. use 170x75mm C24 joists at 400mm centres. To run parallel with and level with bottom of existing loft joists. New 18mm ply boarding on top of joists. Line underside where required with 12.5mm plasterboard and skim. Use 150mm Rockwool mineral insulation between joists. Structural engineer to confirm floor joists sizes.

Add a 12mm layer of ply to bathroom side of stud wall for fixings.

Drains to new en-suite to connect into existing drains.

● SD Indicates smoke detector.



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JOB TITLE : Dormer Loft Conversion
ADDRESS : 19 Warwick Road, Alkrington
DRAWING TITLE : Proposed Loft Floor Plan
SCALE : 1:50 @ A3
DRAWN : xxx DATE : 11.10.23

JOB NO./
DWG NO.

783-07