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To cheeks and gable of dormer fix terracotta vertical 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 of boundary then Supalux board is to be used instead of 9mm OSB.

Drains to new shower room to connect into existing soil pipe.

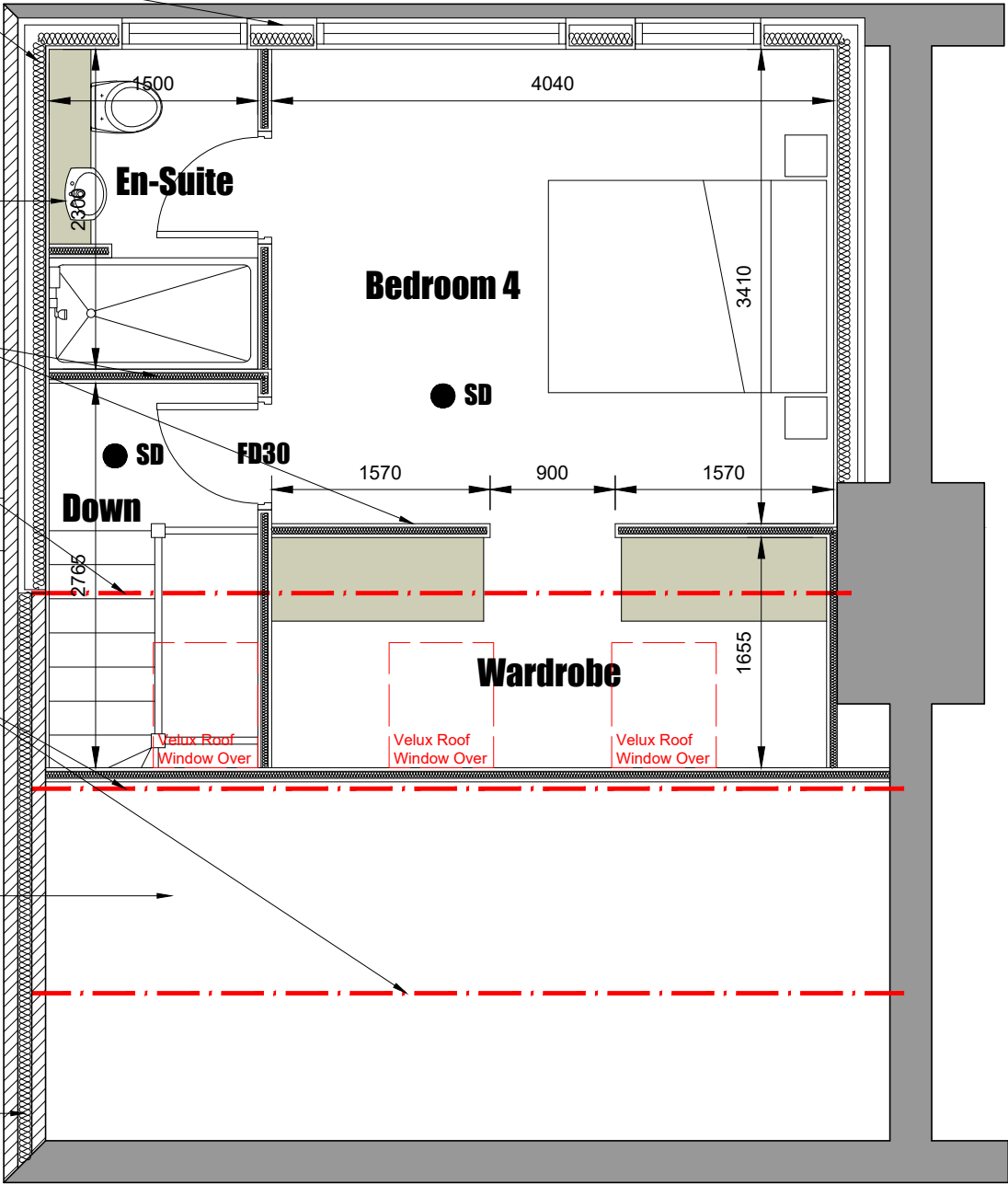
Build new stud walls in 75x50mm timber studs, with 12mm ply and 12.5mm plasterboard and skim to both sides. Include for 50mm Isover insulation between studs.

Red broken lines indicate new steel ridge beam inserted to span from gable to gable. Structural engineer to design suitable support ridge beam.

Red broken lines indicate new steel purlin inserted to span from gable to gable.

New loft floor to be installed. use floor joists at 400mm centres deigned by structural engineer. 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 new floor joists sizes.

Build up existing cavity wall to create new gable in 102mm brickwork outer leaf, 100mm blockwork inner leaf and remaining cavity(assumed 75mm) to receive full fill Knauf dri-therm insulation. Allow for 52.5mm Knauf insulated plasterboard to give a total u-value of 0.18w/m²k



- **HD** Indicates heat detector.
- **SD** Indicates smoke detector.
- FD30** 30min fire door.

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

Proposed Extensions And Alterations
3 Kingsway, Alkrington
Proposed Loft Floor Plan
1:50 @ A3
DATE : 19.11.24

JOB NO./
DWG NO.

916-10