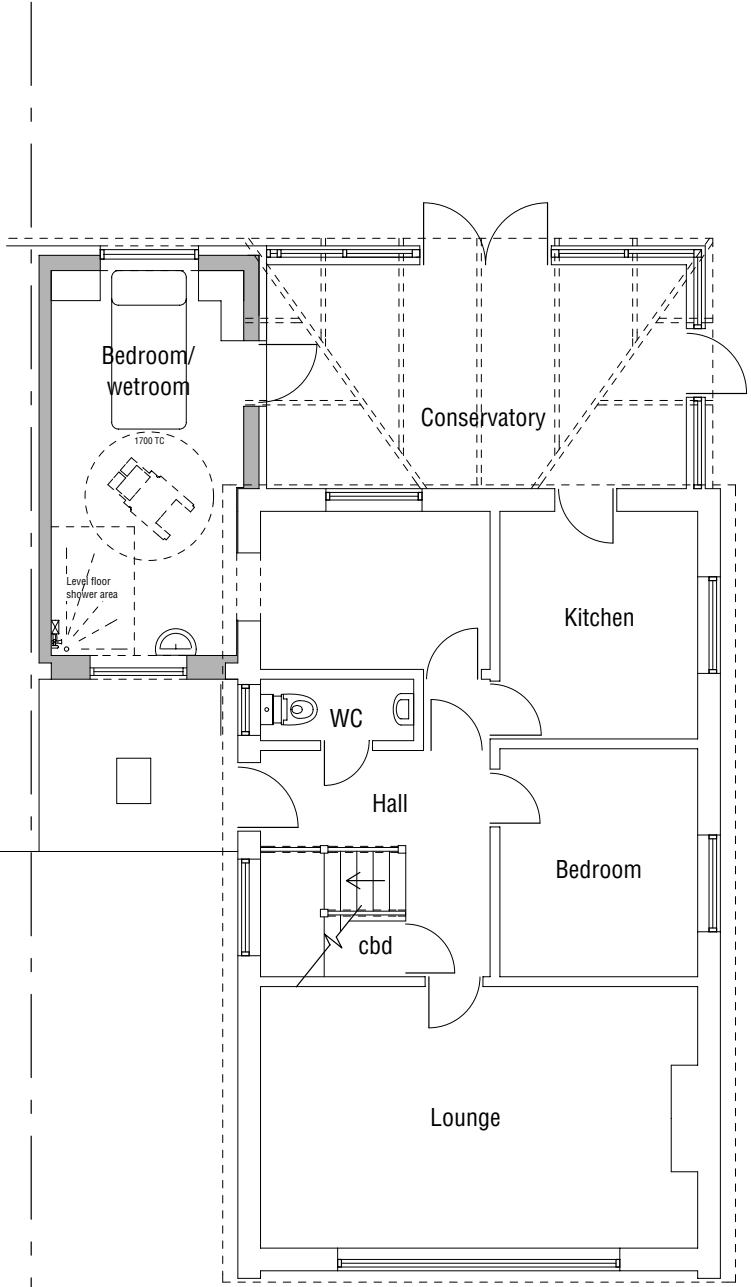
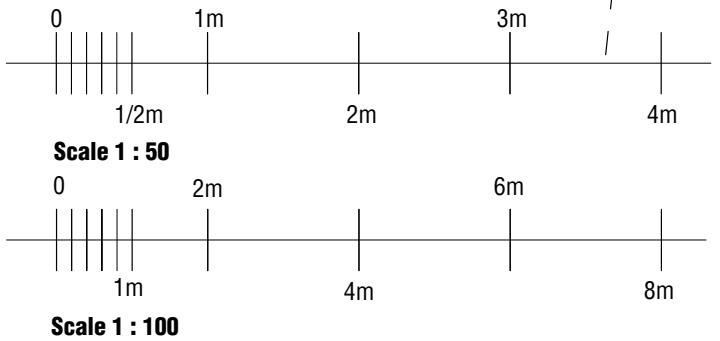


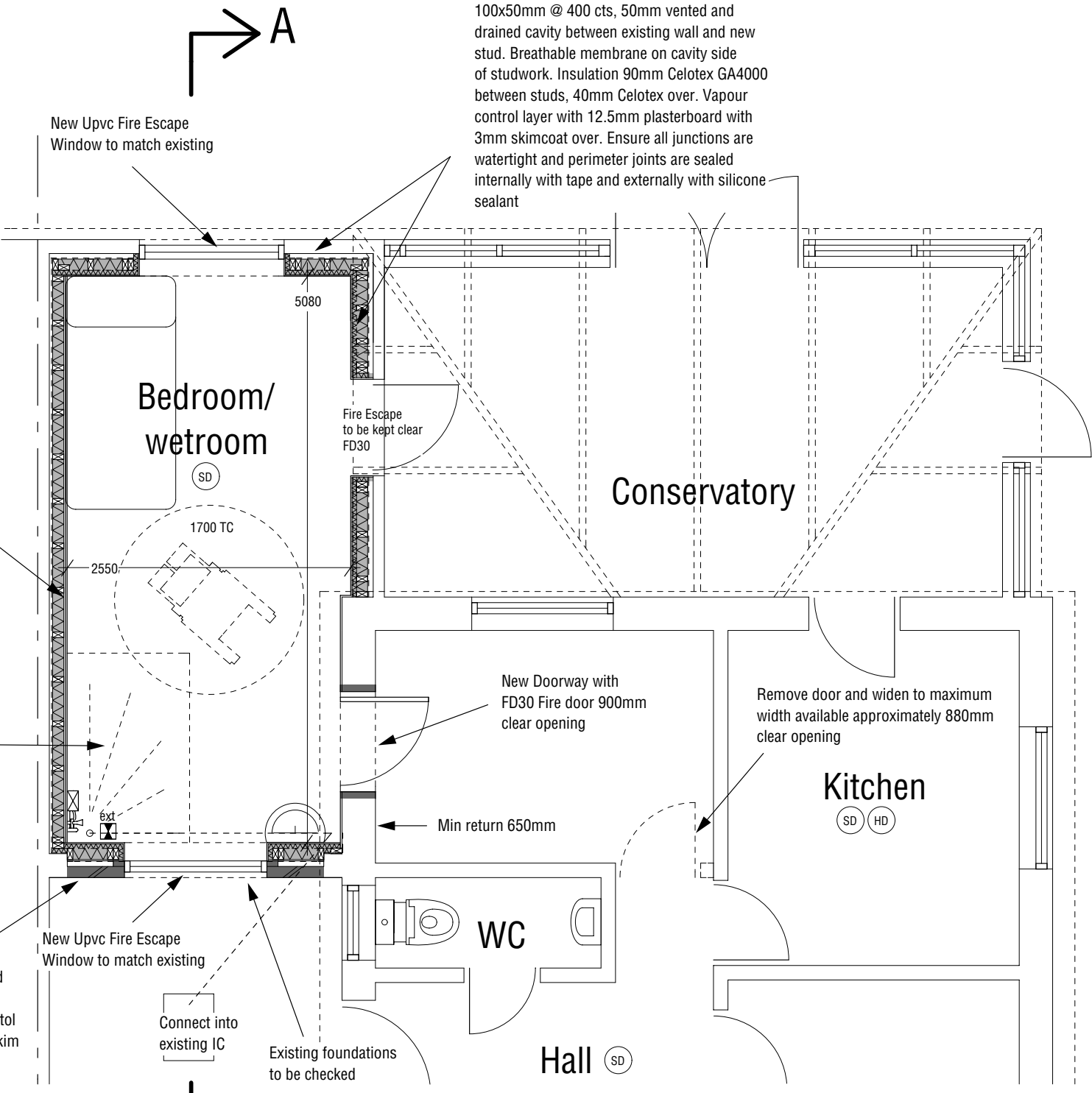


Proposed Ground Floor 1:100



Party Wall to No.18 which is an already converted warm space, Upgrade to consist of 100x50mm treated timber studs, noggins and head and sole plates, all at 400cts with 15mm gap between existing party wall and new studwork to ensure sound transmission is reduced. Seal the perimeter with tape or sealant. Wall to be infilled with mineral wool and lined with vapour control layer taped and sealed with 30mm total thickness 10kg/2 plasterboard with staggered joints finished with 3mm plaster skin. All to achieve min 60 minutes fire resistance.

U-Value 1.8 W/m2K, 102mm Brick to match existing, 50 vented/drained cavity. Timber frame treated studs 100x50mm @ 400 cts sheathed with 12mm W.B.P plywood and breathable membrane, insulated between studs with 90mm Celotex GA4000 and 40mm Celotex TB4000 over. Vapour control layer with 12.5mm plasterboard with 3mm skim coat over. Ensure all junctions are watertight and perimeter joints are sealed internally with tape and externally with silicone sealant. Provide cavity tray at base with 600cts weepholes



Existing wall upgraded internally to achieve U-Value 1.8 W/m2K, Innerleaf studwork, with 50mm vented/drained cavity. Timber frame studs and head and sole plates treated 100x50mm @ 400 cts, 50mm vented and drained cavity between existing wall and new stud. Breathable membrane on cavity side of studwork. Insulation 90mm Celotex GA4000 between studs, 40mm Celotex over. Vapour control layer with 12.5mm plasterboard with 3mm skimcoat over. Ensure all junctions are watertight and perimeter joints are sealed internally with tape and externally with silicone sealant

