

VENTILATION

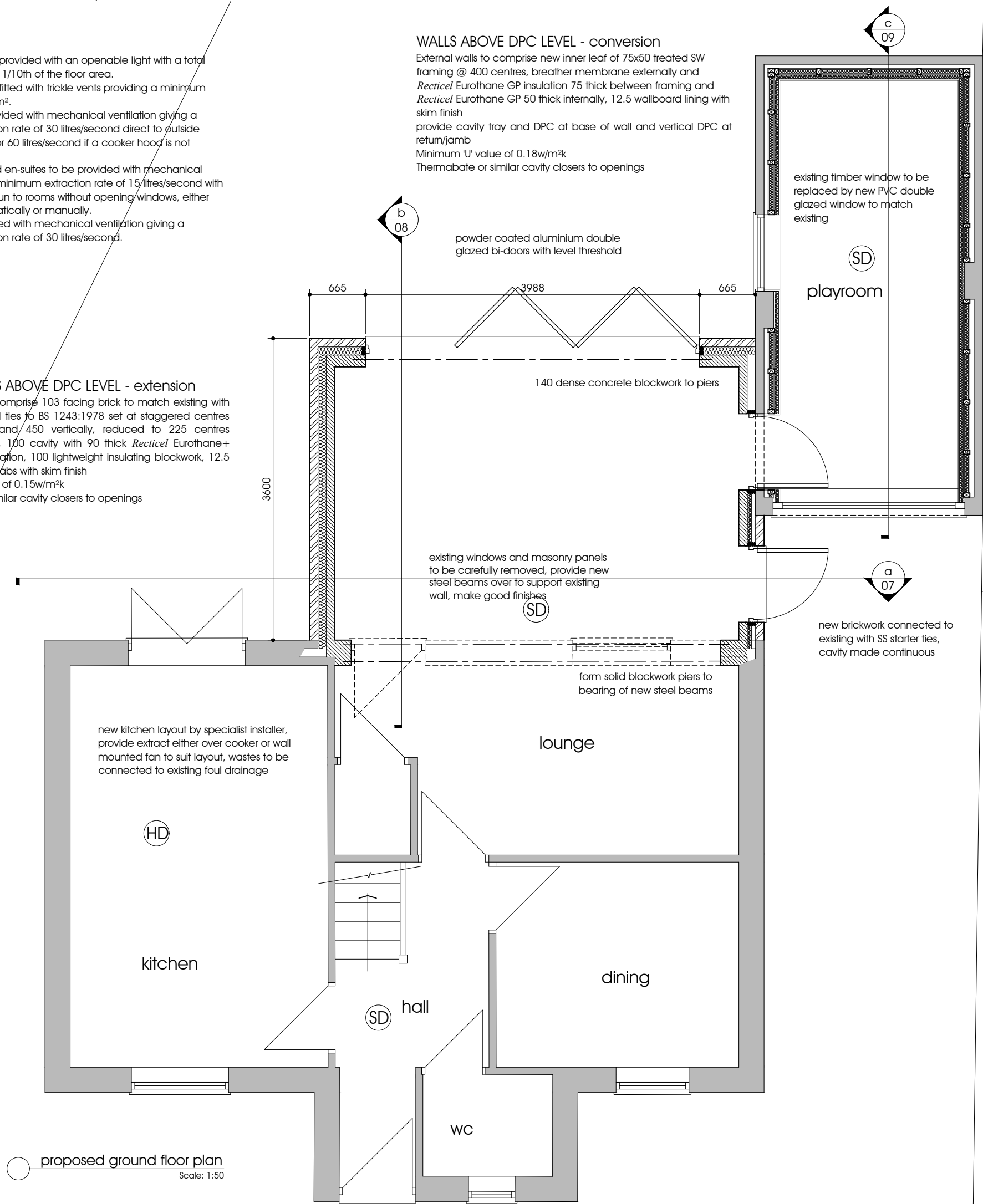
All windows to be provided with an openable light with a total area not less than 1/10th of the floor area.
All windows to be fitted with trickle vents providing a minimum area of 10,000mm².
Kitchen to be provided with mechanical ventilation giving a minimum extraction rate of 30 litres/second direct to outside adjacent to hob or 60 litres/second if a cooker hood is not installed.
All bathrooms and en-suites to be provided with mechanical ventilation with a minimum extraction rate of 15 litres/second with a 15 minute overrun to rooms without opening windows, either controlled automatically or manually.
Utility to be provided with mechanical ventilation giving a minimum extraction rate of 30 litres/second.

CAVITY WALLS ABOVE DPC LEVEL - extension

External walls to comprise 103 facing brick 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, 12.5 plasterboard on dabs with skim finish
Minimum 'U' value of 0.15w/m²k
Thermabate or similar cavity closers to openings

WALLS ABOVE DPC LEVEL - conversion

External walls to comprise new inner leaf of 75x50 treated SW framing @ 400 centres, breather membrane externally and Recticel Eurothane GP insulation 75 thick between framing and Recticel Eurothane GP 50 thick internally, 12.5 wallboard lining with skim finish
provide cavity tray and DPC at base of wall and vertical DPC at return/jamb
Minimum 'U' value of 0.18w/m²k
Thermabate or similar cavity closers to openings



existing garage door to be removed, build up opening in matching brickwork and provide inner leaf as upgrade to existing walls, provide DPC at base, provide new window frame to match existing

proposed extensions and alterations
3 cypress gardens, firgrove, rochdale