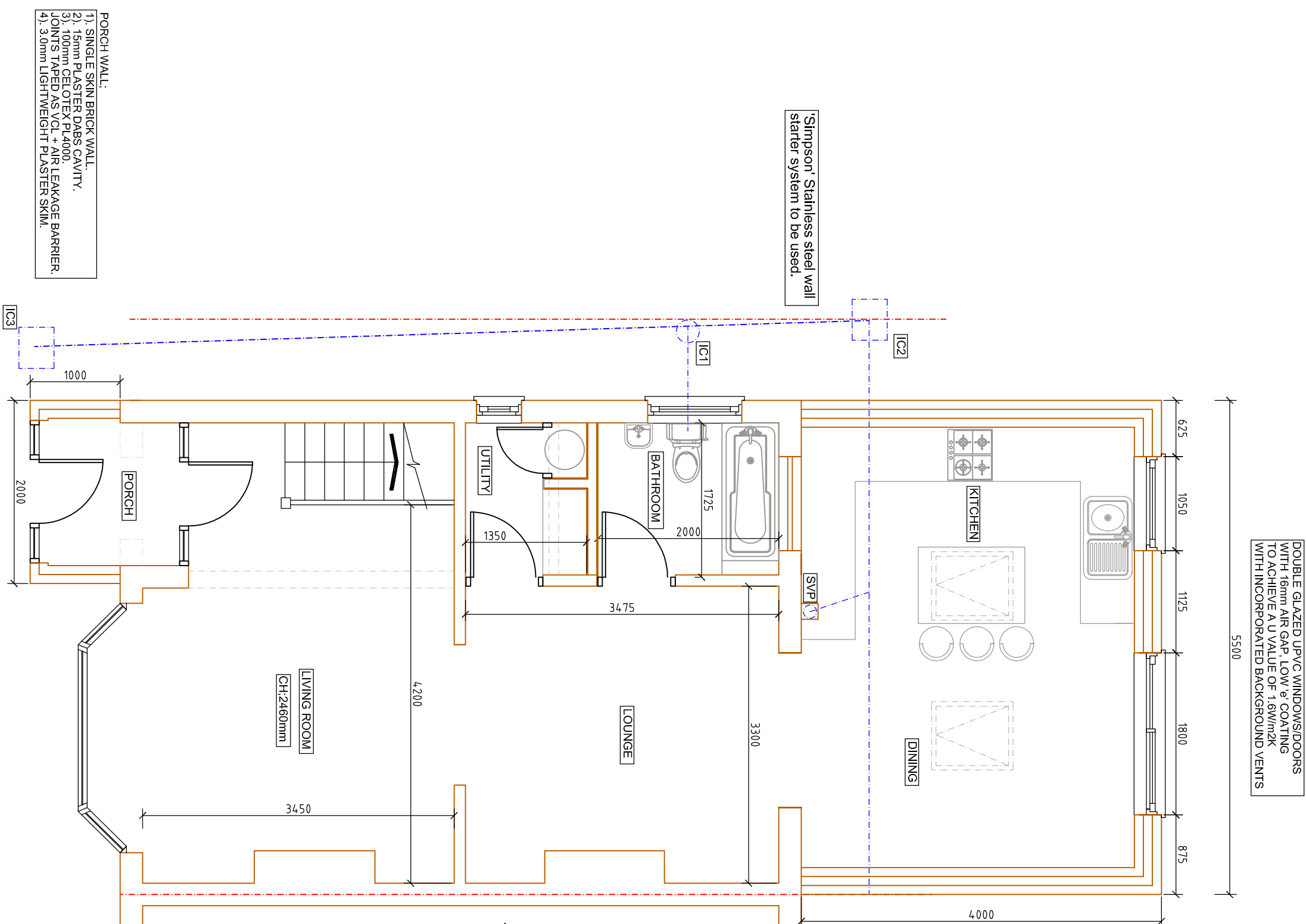




EXTENSION WALL CONSTRUCTION
FACING BRICKWORK OUTER SKIN.
100mm FULL FILLED INSULATED CAVITY.
CELCON BLOCKWORK INNER SKIN.
PLASTER SKIM FINISH.

Thermal bridging to openings:

- 1). Window sill: Cavity insulation to run to under side of window board.
- 2). Windows/Doors: proprietary cavity closers to be provided and installed as per manufacturers instructions. Linetl to be filled with insulation.

Internal Wall - Stud partition:
Internal walls offering separation between a room containing a water closet and other rooms within the dwelling to achieve a reasonable resistance to the passages of sound (Minimum 40db).
Timber stud walls to have a minimum of 75mm between linings with one layer of 15mm plasterboard to both sides achieving a minimum mass of 10kg/m² between the stud partitioning. Sound decoupling cavity insulation to fill cavity.

PROPOSED GROUND FLOOR PLAN
SCALE BAR 1:50 @ A1

Plumbing Installation

Complete installation to be subject to and capable of withstanding testing in accordance with BS 5572:1978. Above ground level foul drainage pipe work shall be PVC-U to BS 4514

Pipework must be designed in accordance with BS 5572 and installed to ensure that appliances drain efficiently without causing crossover, backfall, leakage or blockage. No air from the drainage system shall be permitted to enter the building. Adequate support to lengths and at junctions - changes of direction to be provided. No branch connection to be within 450mm above foot of soil pipe. All PVC-u pipework to be installed to BS 4514.

Minimum pipe sizes for sanitary plumbing to be:

- | | |
|-----------------|---------------------------|
| WC's soil pipes | - 100mm dia Nominal size. |
| Handbasins | - 32mm dia Nominal size. |
| Showers | - 32mm dia Nominal size. |
| Overflow | - 19mm dia Nominal size. |
| Kitchen sink | - 32mm dia Nominal size. |

All fittings to have a 75mm deep seal traps, All waste pipes to be laid to falls 25mm per metre run. All sanitary fittings to be installed as per manufacturers instructions.

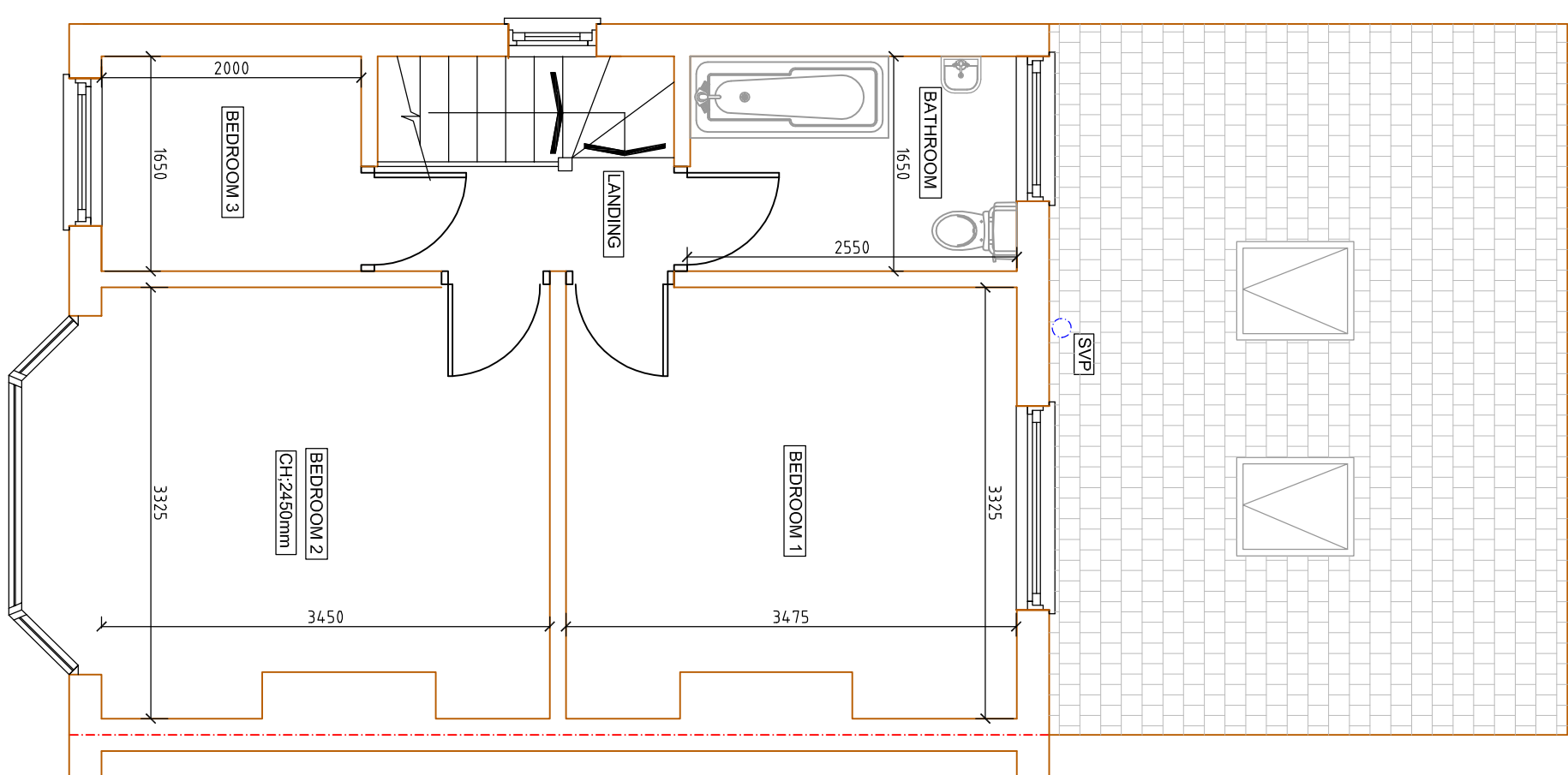
The maximum lengths of waste pipes shall be as follows.

- 32mm pipe - 1.7m Maximum length.
40mm pipe - 3.0m Maximum length.
50mm pipe - 4.0m Maximum length.
100mm pipe - 6.0m Maximum length.

Soil and ventilating stacks @ head of drainage run to be ventilated to the external air via rigid ducting.

Soil pipes passing through habitable rooms (including kitchens) to be lagged with minimum 50mm sound deadening quilt and 2 layers of 12.5mm plasterboard in 38mm x 38mm softwood framing. Access and rodding eye fittings to be provided to ensure all pipework is accessible as required. Pipework laid between joists to be adequately supported. Underground pipes with less than 750mm ground cover shall be insulated. Any rising mains are to be insulated.

Surface water to be conveyed to existing rainwater drainage system..



PROPOSED FIRST FLOOR PLAN
SCALE BAR 1:50 @ A1

Ventilation

All habitable rooms to have rapid ventilation via windows/doors of an openable area of at least 1/20th of the floor area, part of the ventilation area is to be 1.75m above floor area.

Windows are to provide 4000 sq/mm minimum of background ventilation via controlled trickle vents in utility room, en suite and bedroom. All habitable rooms to achieve 8000 sq/mm. Alternatively the sum of all trickle vents must equal 6000 sq/mm as specified in Table 1 of approved document F1.

Kitchen to be ventilated mechanically ventilated with a wall mounted fan which can achieve extract to external air @ 30 litres per second. Shower rooms/Bathrooms/WC to provide 15 litres per second. Utility 60 litres per second.

Mechanical vents are to be tested and commissioned in accordance with regulation 42 and part F1 2010.

Electrical Installation.

All the electrical installation is to be in full accordance with BS 7671 and with the latest addition of IEE wiring regulations, part 'P', building regs, and should be carried out in accordance with current installation techniques applicable to the material and equipment being used.

Full completion certificates to be issued by a certified electrical engineer to be provided upon completion of the electrical installation.

Note that all wiring which is covered or surrounded with thermal insulation to be de-rated in accordance with Appendix A of BRE 'Thermal insulation'; avoiding risks 2002 edition.

All downlighters in first floor ceiling voids are to be fitted with intumescent covers to maintain half hour fire resistance.

All light switches are to be fitted 1200mm from finished floor level and all switched outlets to be fitted 450mm above finished floor levels.

Lighting.
75 % of new light fittings to be energy efficient.



REVISION DESCRIPTION	DATE	BY
Cotswold Residential Design Ltd		
Oxford Office: 137a Carterton Mobile Home Park, Milestone Road Carterton, Oxfordshire, OX18 3FU Telephone: 07556736328 Email:cotswoldresidential@yahoo.com		
DRAWING TITLE: PROPOSED FLOOR PLANS		
SITE ADDRESS: 37 HAYES END DRIVE, HAYES		
SCALE: 1:50 @ A1	DRAWN BY: BG	
DATE: 10.04.21		
DRAWING NO: CHURCH END/03		