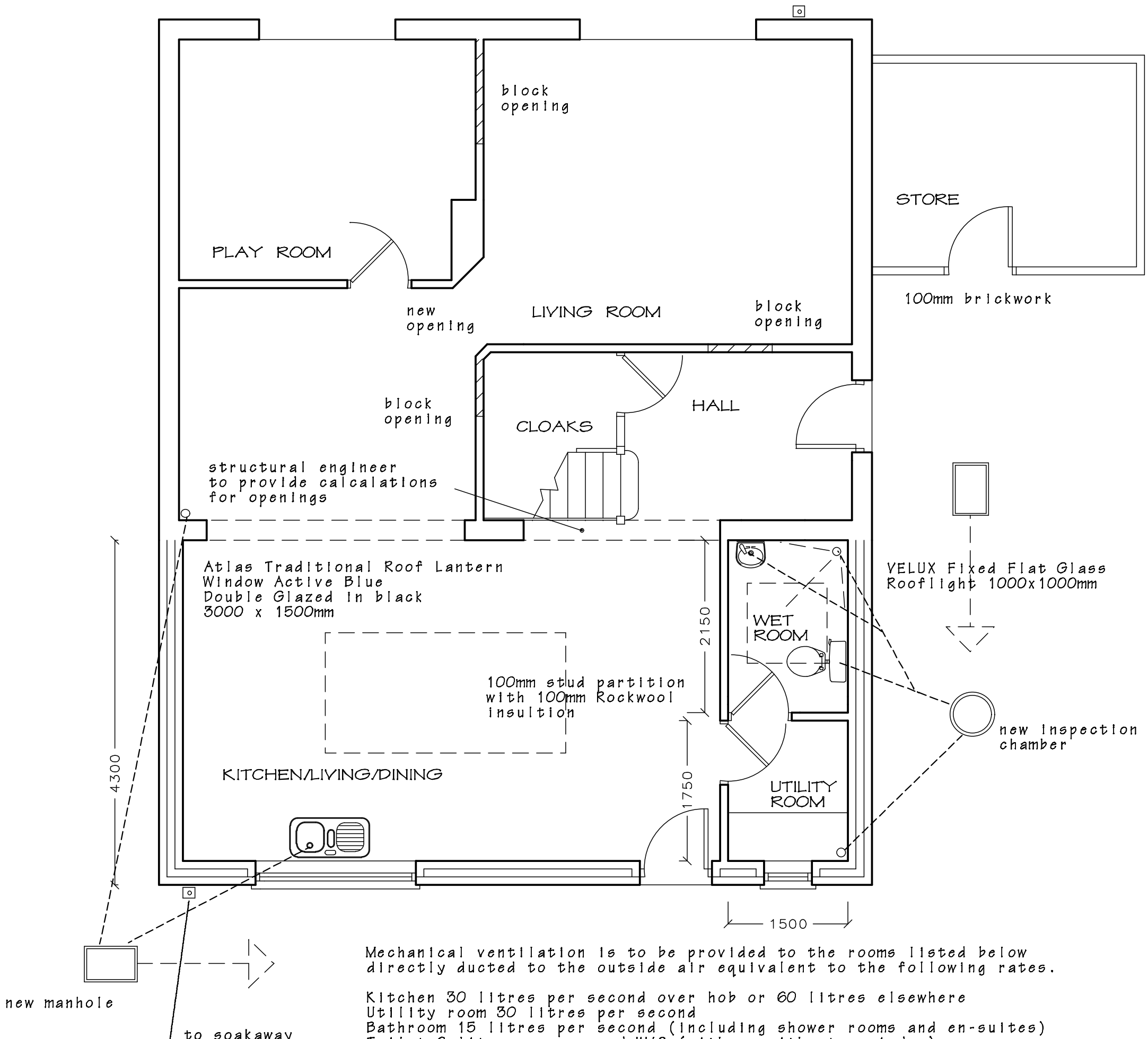


Cavity wall construction (U-value not worse than 0.21 W/m2.k)
100mm dense block outer leaf,cavity, partial fill insulation, waterproof render finish.

Clear Cavity width 50mm Overall cavity width 125mm (75mm Celotex Cg5000 K value 0.022 or similar)

Internal Block Type and Thickness - 100 mm dense concrete block (K value 1.13) with 13mm lightweight plaster.

Foundations
To be specially designed and approved.

Ground bearing solid concrete floors (U-value 0.22 W/m2.k)
Topsoil and vegetable matter to be cleared from site and floor area to be in filled between walls with minimum 150mm/maximum 600mm clean, sand blinded, mechanically compacted, hardcore. 1200g (300 micrometer) continuous polythene damp proof membrane (DPM) lapped and sealed at all joints and linked to DPC's in walls.

Lay floor grade insulation (Celotex GA4000 or similar) over DPM, minimum thickness and type in accordance with the guidance table including 25mm thick insulated up-stands between slab and external walls.

Lay 100mm minimum thick ST2, or Gen1 concrete floor slab with a trowel smooth surface ready for finishes over insulation, (note: 500g polythene separating layer is to be installed between the concreteslab and insulation if using a foil faced polyurethane/ PIR type insulation board.)

Mechanical ventilation is to be provided to the rooms listed below directly ducted to the outside air equivalent to the following rates.

Kitchen 30 litres per second over hob or 60 litres elsewhere
Utility room 30 litres per second
Bathroom 15 litres per second (including shower rooms and en-suites)
Toilet 6 litres per second W/C (with or without a window)

PROPOSED EXTENSION AT 1 VILLAGE GARDENS, PORT TALBOT. SA12 7LW.
Joanna Griffiths 07805 136 868.

DRAWING TITLE
PROPOSED LAYOUT

SCALE	DATE	DRAWING No.
1 to 50 @ A3	January 2020.	2019/04 A

DO NOT SCALE DRAWING. FIGURED DIMENSIONS ONLY TO BE USED. DISCREPENCIES TO BE REPORTED IMMEDIATELY.