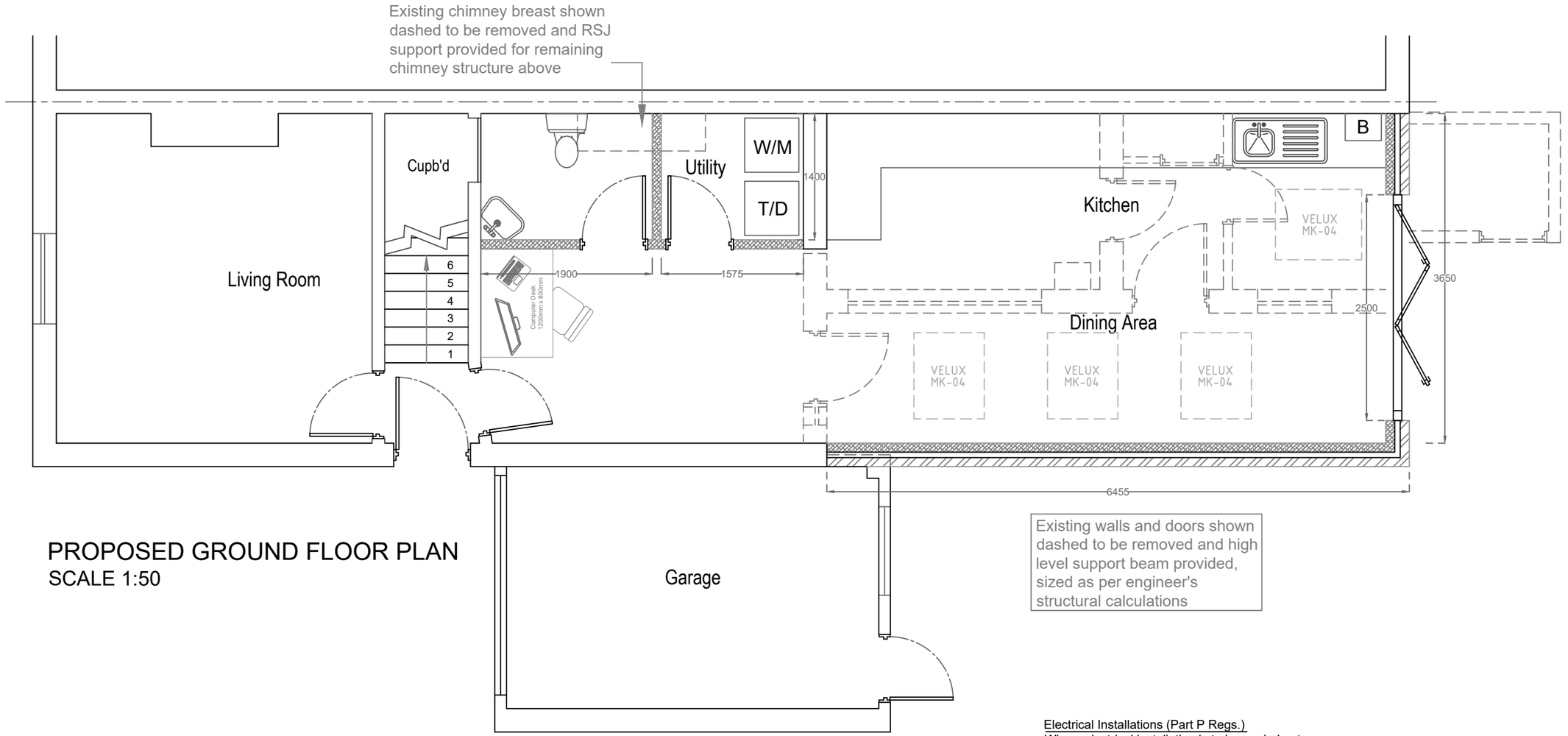

PROPOSED GROUND FLOOR PLAN
SCALE 1:50

CAVITY WALL CONSTRUCTION

To achieve min U-value 0.18W/m²K Wall constructed using weathered face brickwork, 85 full filled cavity of Dritherm 32 Ultimate and internal leaf of lightweight aggregate or aerated concrete block, r value 0.11, 100mm thick, e.g CELCON Standard.
Finish wall internally using 40 + 12.5mm Celotex PL3000 insulated plasterboard. Walls to be tied with stainless steel wall ties at 450 vertical and horizontal ctrs., respectively. ties to be at 225 horizontal centres at reveals.

NEW WALL TO EXISTING

The wall between the proposed extension and the existing house is to be upgraded by screwing 100mm tannolised wood beam studs to the wall @400mm centres and the space between the battens filled with 90mm Celotex insulation, with 10mm air gap. Fix 12.5mm plasterboard onto battens and finish with a skim coat of plaster.

FOUNDATIONS

Trench fill foundations as shown minimum depth 1m and to building control approval. Foundations to be level with or lower than invert of adjacent sewer pipe, Lintels to be provided in walls where drains pass through (no load to be transferred to drain)

FLOOR CONSTRUCTION

Concrete blocks run around the edge with 3 layers of damp stopping plastic sheeting over the blocks and 450mm up the surrounding walls, add 100mm Celotex GA4000 and 60mm screed on top U-value 0.18W/m²K

INTERNAL STUD WALLS

Internall stud walls (reg.E2) timber frame with 12.5mm plasterboard linings on each side of frame; add 100mm absorbant layer of Rockwool Linings (minimum density 10kg/m3) fixed to frame with a minimum distance between linings of 75mm and absorbant layer of unfaced mineral wool batts of quilt which may be wire reinforced, suspended in the cavity. All joints well sealed.

Utility room walls to have waterproof membrane to stop condensation, added between the celotex and plaster board.

Electrical Installations (Part P Regs.)

Where electrical installation is to be carried out, compliance is necessary within the Electricity at Work Regulations 1989. Electrical installations should be enclosed and separated by appropriate distances to provide mechanical and thermal protection so that they incorporate measures that afford protection for persons against the risk of electric shock, burn or fire injuries. Electrical installations should be inspected and tested during, and at the end of installation, before they are taken into service to verify that they are reasonably safe; that is to say that they comply with BS7671:2001.

Provide energy efficient lighting in all living areas and kitchen in accordance with Part L1 B. Ensure that new fittings to habitable rooms have fittings that accept only lamps with a luminous greater than 40 lamp lumens per circuit-watt. Provide minimum 75% energy efficient lighting in all locations.

All light switches, plug sockets and electrical switches to be set between 450mm and 1200mm above finished floor level and comply with Part M of the Building Regs. All internal downlights and recessed spotlights are to be enclosed with minimum half hour fire resisting hoods, to comply with Part L of the Building Regs and the Domestic Building Services Compliance Guide.

Client	ROXANNE BALFE
Project	79 HIGH PATH ROAD GU1 2QL
Job Title	GROUND FLOOR EXTENSION
Drawing Title	GROUND FLOOR (PROP)
Date	NOVEMBER 2023
Drawing No.	2023/319/02
Revision:	
Date:	

REVEAL DESIGN & BUILD

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1:50 — 0m 0.5m 1.0m 1.5m 2.0m 2.5m 3.0m
Scale Bar to A3 Paper

1:100 — 0m 1.0m 2.0m 3.0m 4.0m 5.0m 6.0m
Scale Bar to A3 Paper