

Beam and Block Ground Floor.

Flooring is to be designed and supplied by specialist contractor.
Design to be submitted to the Structural Engineer for approval prior to commencement of works and to be in accordance with B.S. 8110 (1985). Design loads as follows.

Ground Floor	D.L.	L.L.
S/W Floor	= 2.50 KN/m2	- KN/m2
Screed	= 1.80 KN/m2	- KN/m2
Insulation	= 0.05 KN/m2	- KN/m2
Finishes	= 0.10 KN/m2	- KN/m2
Imposed	= -	1.5 KN/m2
	4.45 KN/m2	1.5 KN/m2

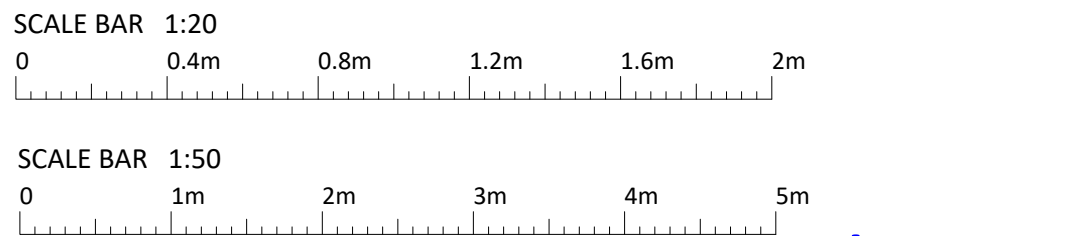
Note: For non-loadbearing blockwork partitions specialist contractor to allow for 4.80 KN/m run.

Ventilated Voids Below Suspended Beam and Block Floors

Void - Minimum 150mm clear and open void to be maintained below underside of suspended floors either timber floor joists or precast concrete floors,
NOTE - In addition NHBC require the following - On shrinkable soil where heave could take place, a larger void is required to allow for movement according to the volume change potential.
Volume Change Potential Min Additional Void Depth
High - 150mm (300mm total void)
Medium - 100mm (250mm total void)
Low - 50mm (200mm total void)

Ventilation - Void to be cross ventilated with airbricks and periscope vents to outside air to provide either 1500mm2 per metre run of external wall (see max centres below) or 500mm2 per metre squared of floor area (see for floor area below), whichever gives the greater opening area. Air bricks to be installed min 75mm above finished ground level.

Note: For non-loadbearing studwork partitions specialist contractor to allow for 1.20 KN/m run.



Pattern Associates Ltd

Structural Engineering Consultants

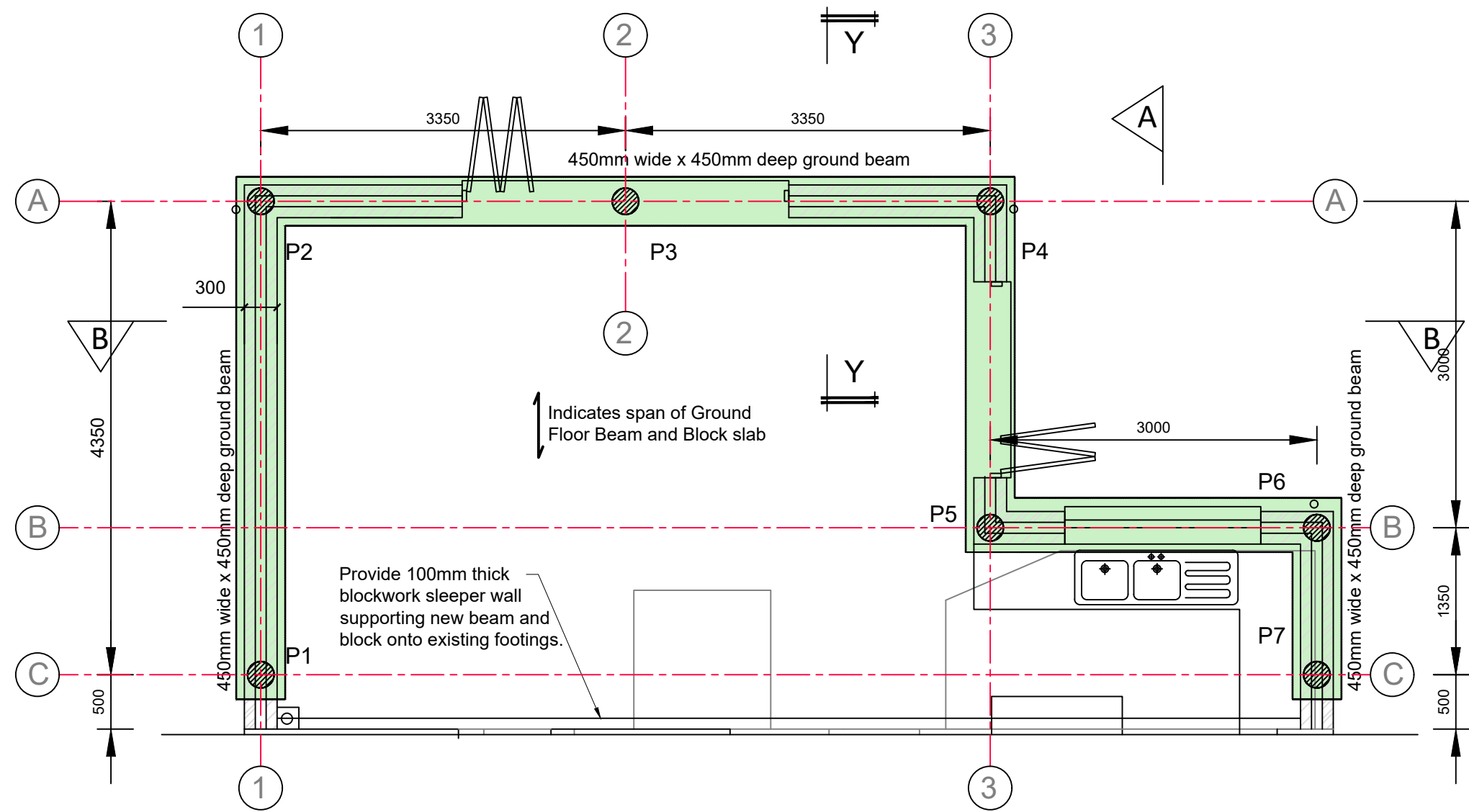
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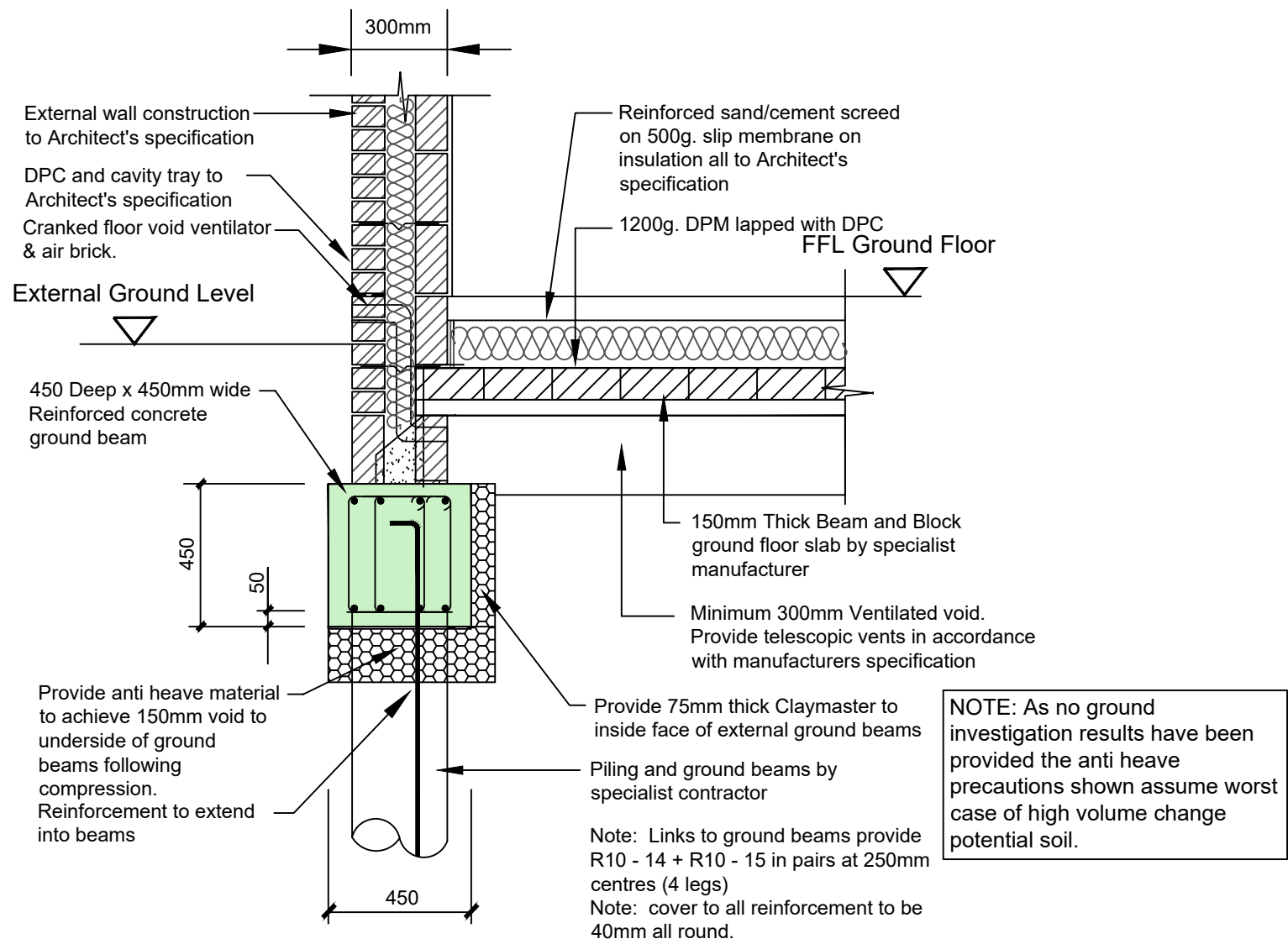
Client: MATT & SAM CLAUGHTON

PILING LAYOUT AND DETAILS		
Sheet Size: A1	Drawn by: AM	Date: MAR 2026
Scale: REFER TO PLAN	Dwg. No. 01	Job No. 26.117



PART GROUND FLOOR PLAN SHOWING PILING AND GROUND BEAM LAYOUT SCALE 1:50

PILE NUMBER	SAFE WORKING LOAD	CUT OFF LEVEL
P1	76KN	To be agreed
P2	154KN	To be agreed
P3	185KN	To be agreed
P4	134KN	To be agreed
P5	125KN	To be agreed
P6	106KN	To be agreed
P7	22KN	To be agreed



SECTION Y - Y SCALE 1:20