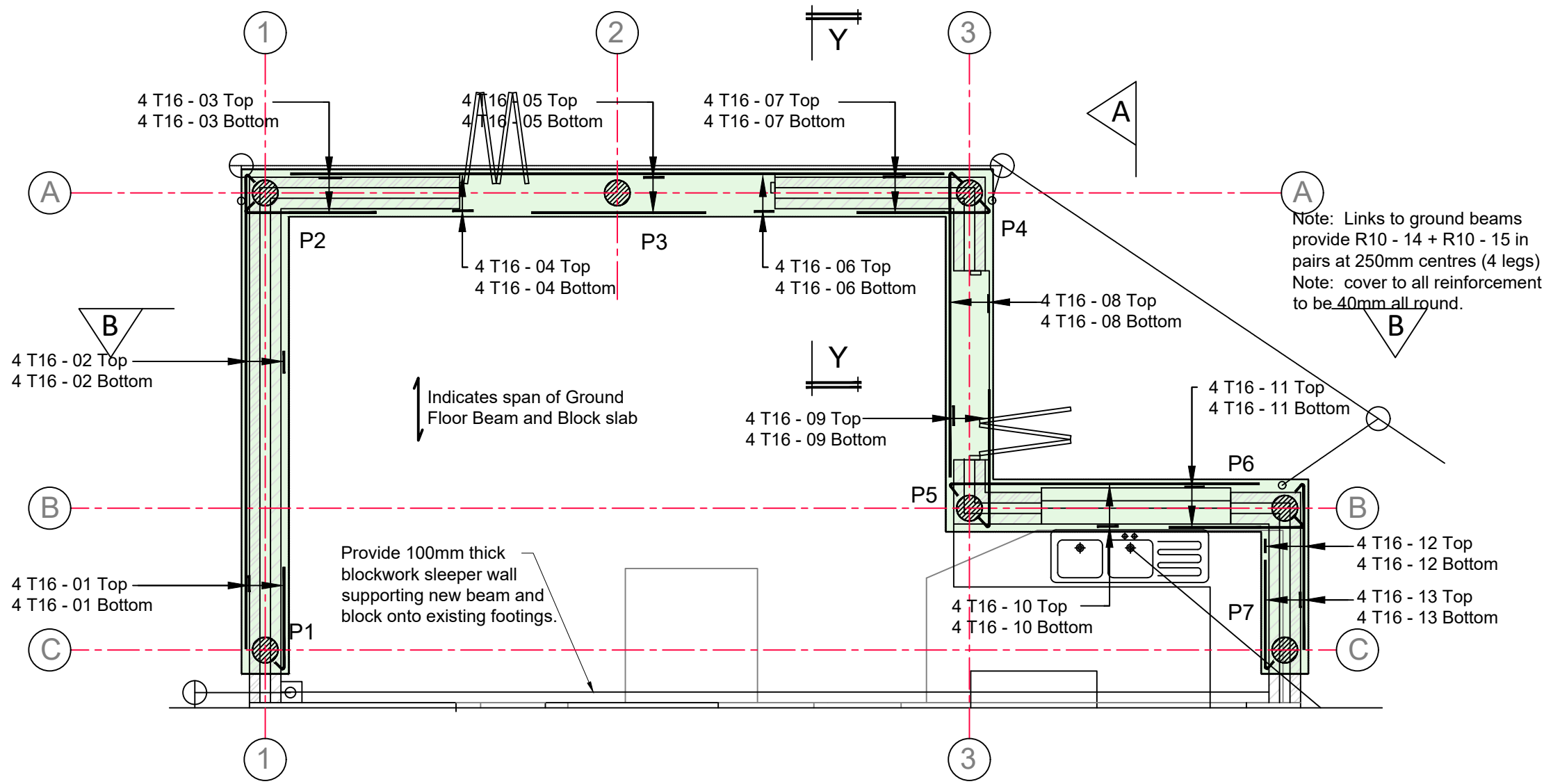
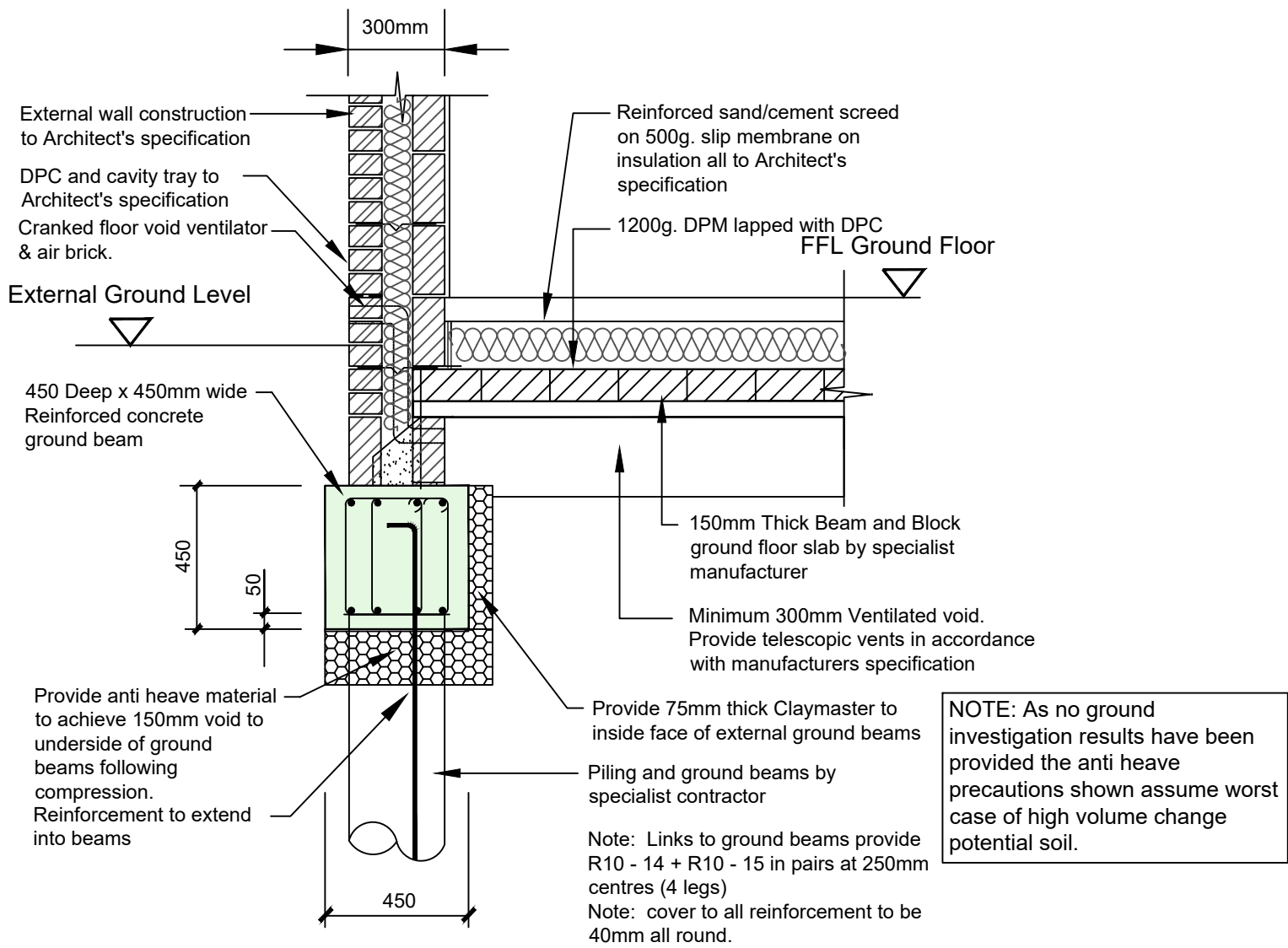




PART GROUND FLOOR PLAN SHOWING GROUND BEAM REINFORCEMENT LAYOUT
SCALE 1:50



SECTION Y - Y SCALE 1:20

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/m ²	- KN/m ²
Screed	= 1.80 KN/m ²	- KN/m ²
Insulation	= 0.05 KN/m ²	- KN/m ²
Finishes	= 0.10 KN/m ²	- KN/m ²
Imposed	= - 1.5 KN/m ²	1.5 KN/m ²

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

Ventilated Voids Below Suspended Beam and Block Floors

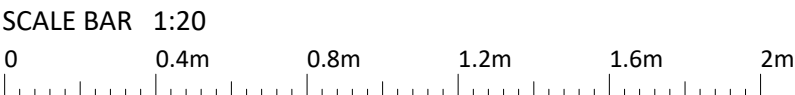
Void - Minimum 150mm clear and open void to be maintained below underside of suspended floors either timber floor joists or precast concrete floors,

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.



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Drawing: **GROUND BEAM REINFORCEMENT DETAILS**

Sheet Size: A1	Drawn by: SJK	Date: MAR 2026
Scale: REFER TO PLAN	Dwg. No. 04	Job No. 26.117