

Legend

Top of Groundbeams = +42.755 unless shaded otherwise

Shading indicates top of groundbeam +42.230

Shading indicates top of groundbeam +42.530

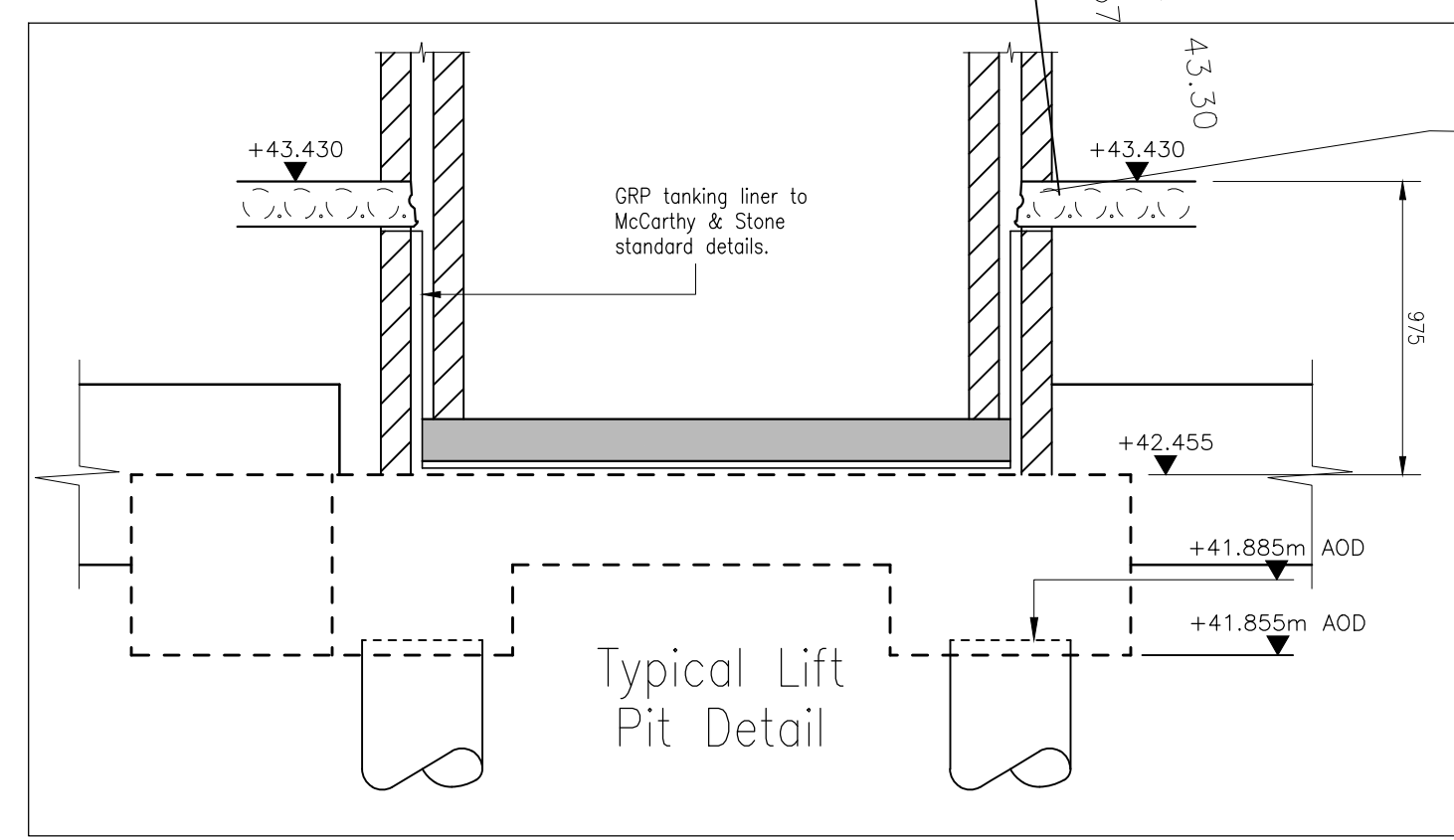
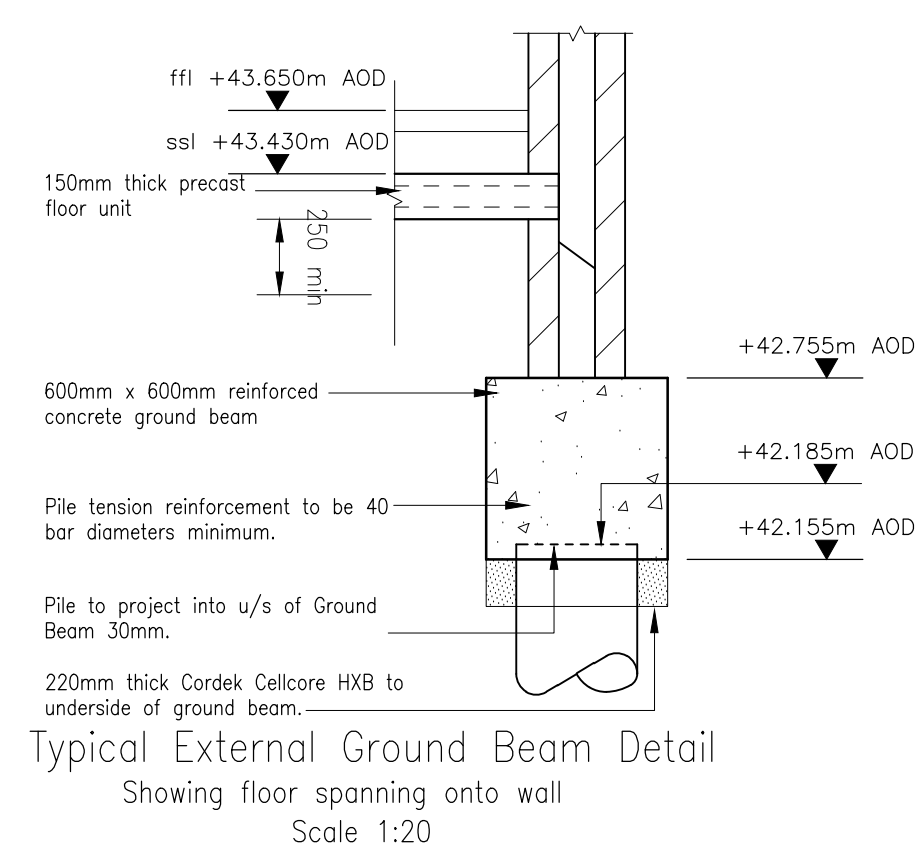
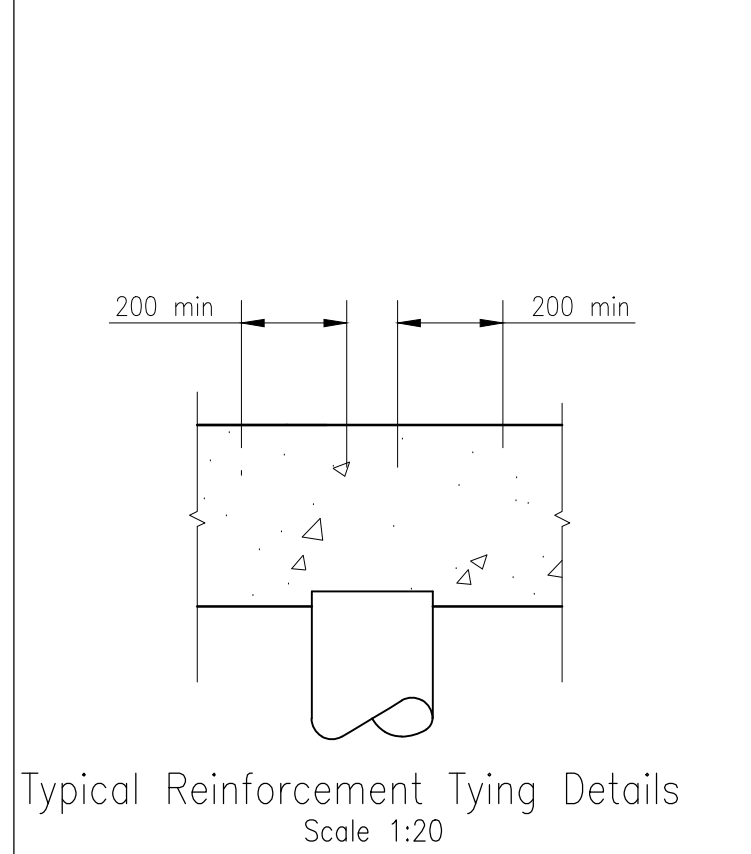
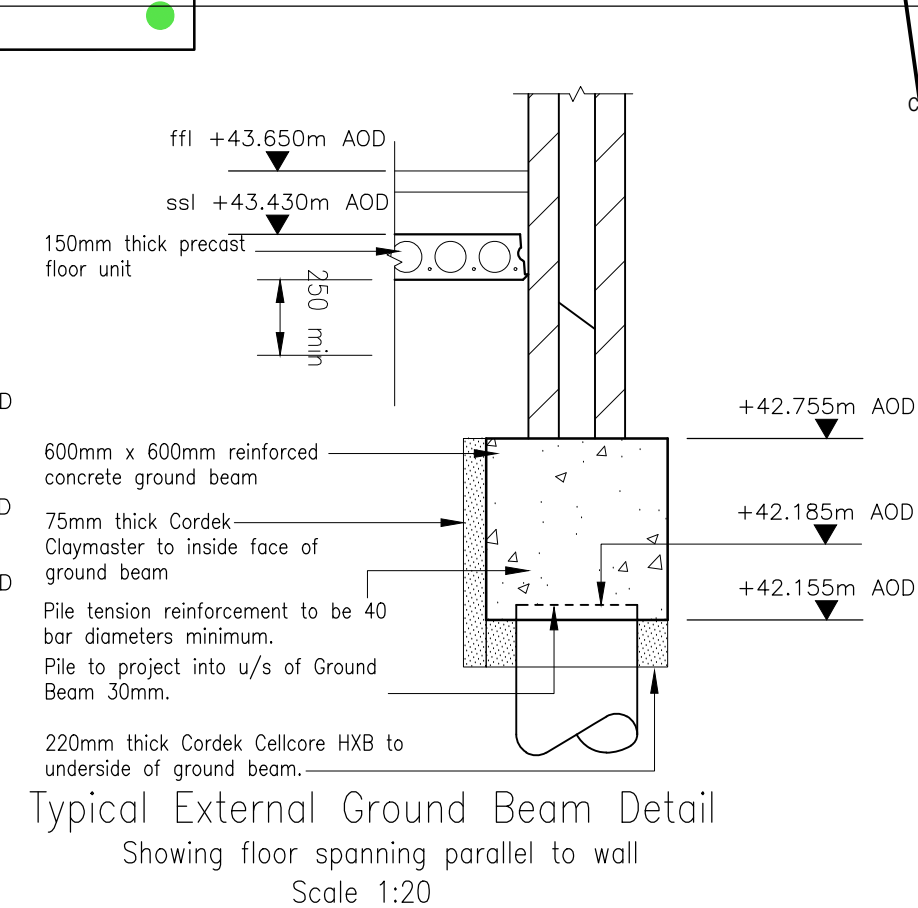
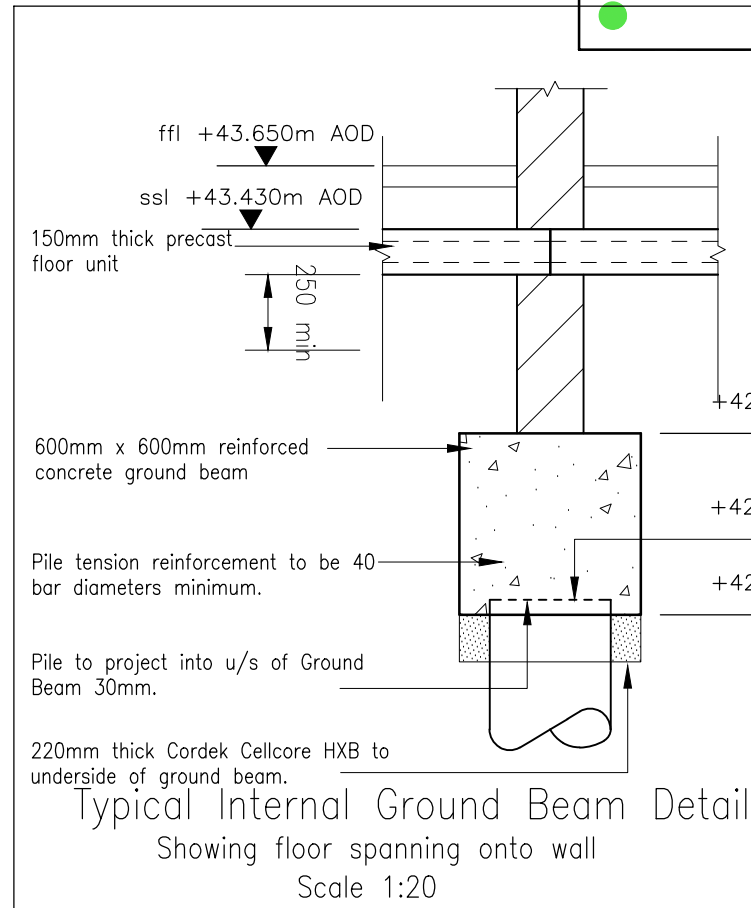
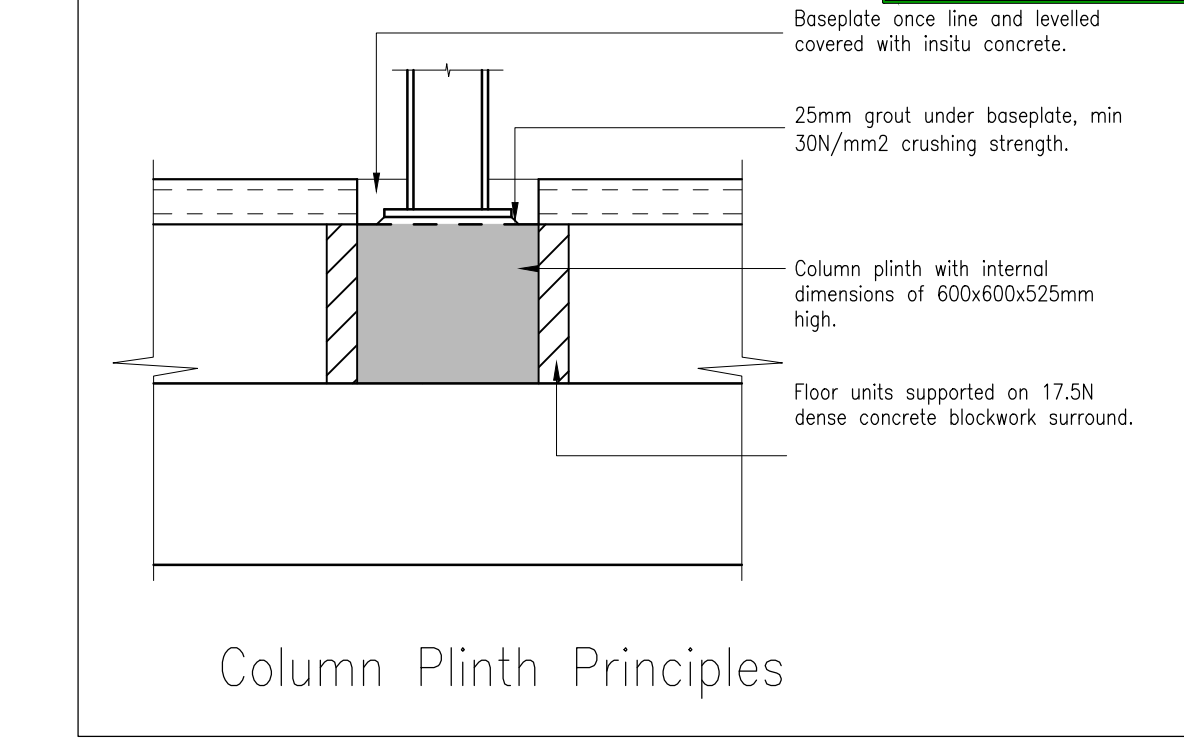
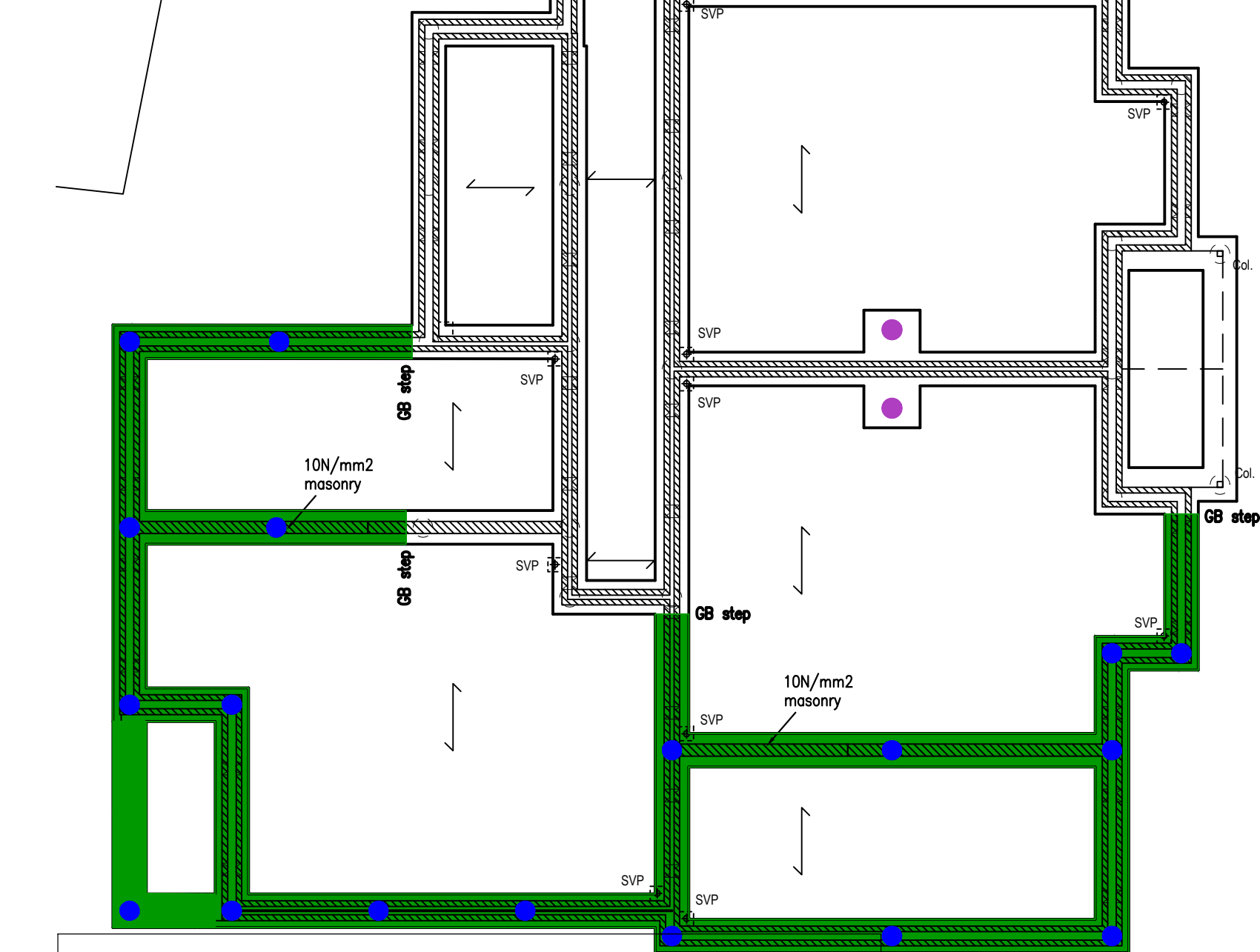
Shading indicates top of groundbeam +42.305

Ground Floor Precast Slab Loadings Requirements

Self weight = 3.00kN/m² max.
Screed = 1.80kN/m²
Suspended ceiling = 0.15kN/m²
Services = 0.15kN/m²
Partitions = 0.50kN/m²
Imposed Load (Apartments) = 1.50kN/m²
Imposed Load (Communal) = 3.00kN/m²
Imposed Load (Plant room) = 7.50kN/m²
Imposed Load (Shop units) = 5.0kN/m²
Indicated thus: 

Note:  Indicates precast floor span requiring temporary prop loading.

Where the first floor over is in situ reinforced concrete the ground floor precast floor designer/supplier is required to allow for a temporary propping point load of 10kN. This assumes temporary props are spaced @1m c/c and supported off the precast ground floor units. Should the temporary prop spacing be different please consult with the precast floor designer/supplier before proceeding.



Notes:

THIS DRAWING IS NOT TO BE SCALED

1. Cross-references

This drawing is to be read in conjunction with all relevant architects' and engineers' drawings and specifications. Any inconsistencies or errors should be referred to the engineer immediately and confirmed in writing.

2. British Standards and statutory authorities

Except where specifically noted otherwise by the engineers drawings or specification, all materials and workmanship covered by this drawing shall be in accordance with the current edition of:

BS 8110 : Structural use of concrete: Part 1 Code of Practice for design and construction, especially sections 6 and 7.

3. Setting out

Except where specific dimensions are shown on this drawing, all setting out dimensions shall be in accordance with the architects drawings.

Any discrepancy between this drawing and the architects drawing or the actual site dimensions should be referred to the engineer immediately and confirmed in writing.

4. Concrete

a) ACEC classification of AC-32.
Minimum cement content 340kg/m³ for a water cement ratio of 0.5 an aggregate size of 20mm maximum.

Cement replacement shall not be used without the written permission of the engineer. The aggregates shall be natural sand and gravel free from any deleterious chemicals.

b) All concrete shall be fully compacted using poker vibrators.

c) All concrete surfaces shall be protected from disturbance, loading, surface drying or freezing for at least 7 days after casting.

d) Concrete surface finishes to be as noted below:

Tamped and level

e) Concrete test cubes shall be taken at the rate of 3 per 20m³ or each separate pour whichever is more frequent. The cubes shall be made, cured and tested in accordance with BS 1881. Testing shall be carried out by an approved independent laboratory - 1 at 7 days and 2 at 28 days - and the certificates sent immediately direct to the engineer.

6. Inspection

All reinforcement, formwork, inserts and other items are to be thoroughly checked and approved by the contractor's site supervisor prior to requesting inspection by others or concreting.

revision	Revision details	Date

Client
McCarthy & Stone
Later Life, Greater Life

Architect
kenn scaddan associates
architects

Job title
Proposed Retirement Apartments
London Road
Purbrook

Drawing title
Ground Beam Layout

GGP

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CONSULTING CIVIL, STRUCTURAL AND GEOTECHNICAL ENGINEER

chk.	date	scale	draw
	Dec 17	1:100	
DRAWING No	SO-2168-05-SE-002	GGP ref: 8377-002	