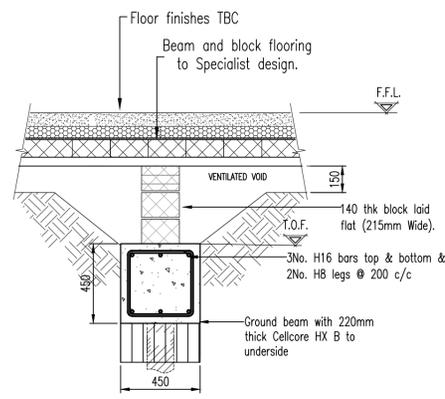
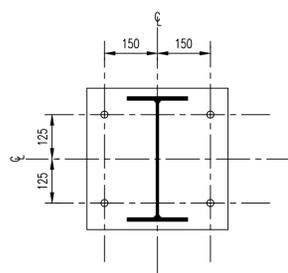


Typical Section Through External Pile foundation (1:20)

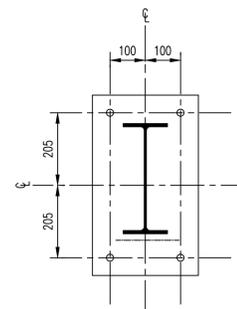


Typical Section Through Internal Pile foundation (1:20)



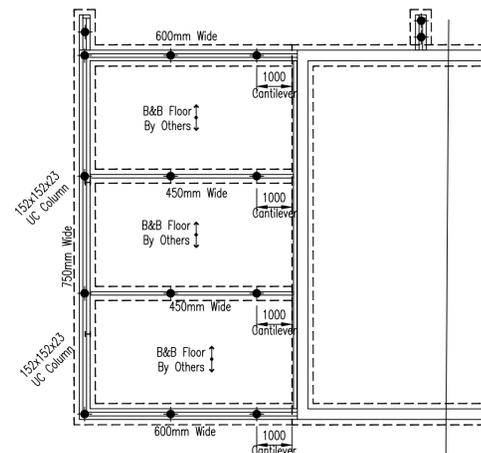
Baseplate Type A.

Typical for 356x171 UB's.
Baseplate size - 400x400x12mm thick.
Post and baseplate encased in 100mm concrete surround below ground.

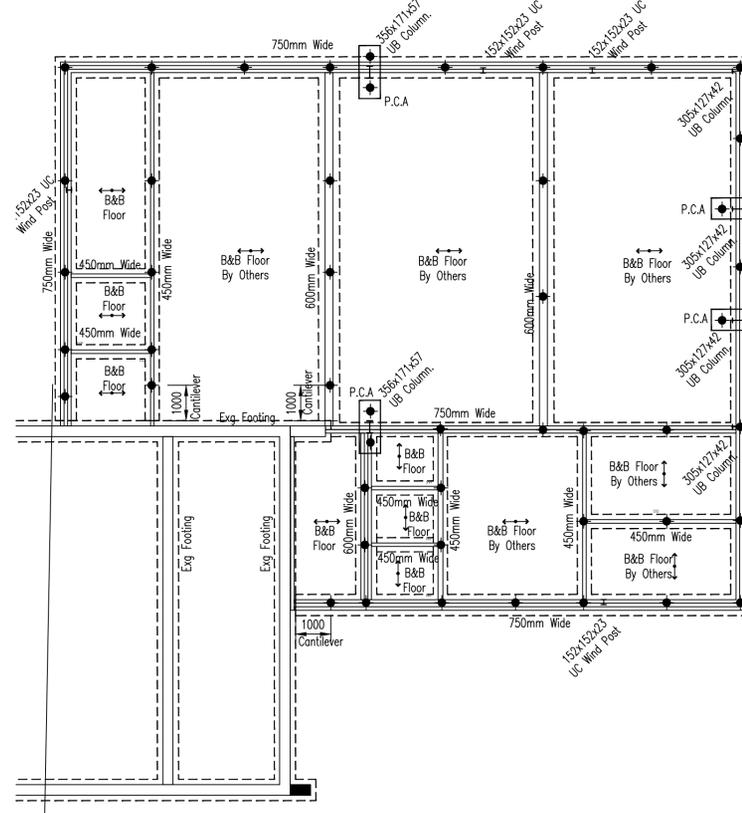


Baseplate Type A.

Typical for 305x127 UB's. Baseplate size - 510x300x12mm thick.
Post and baseplate encased in 100mm concrete surround below ground.



Foundation Plan 1:100



NOTES

This drawing is the copyright of the Engineers and may not be reproduced or used except by written permission.

Dimensions must not be scaled from this drawing. The Contractor is to check and verify all building and site dimensions before work is put in hand.

This drawing must be read and checked against any Architects or other specialists drawings.

The Contractor is to check and verify with all Statutory Authorities and the Employer the location and condition of any underground or overhead services or confirm that none exist prior to work commencing on site.

The Contractor shall comply with enactments regulations and working rules relating to safety health and welfare of workpeople.

All drawings and details shown are subject to Local Authority and/or Building Control approval.

Masonry movement joints are to be in accordance with BS5628 and the masonry manufacturer's guidance.

If in doubt in relation to any item or detail then please refer to us for clarification.

FOUNDATION NOTES

All foundations shall be constructed to the minimum sizes as noted on the drawing.

The bearing stratum for foundations shall be agreed with the Engineer and Building Control Officer before construction commences.

Excavations to depths greater than those shown on the drawing shall not be undertaken without prior approval of the Engineer.

The Engineer shall be notified immediately of any variations to the reported ground conditions.

All obstructions, old foundations, disused sewers etc. shall be removed for the extent of the foundation works and backfilled to the approval of the Engineer.

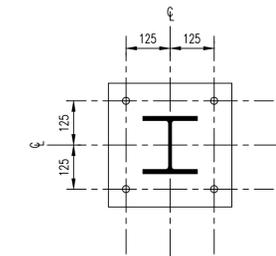
All ground beams / trenchfill are to be set out symmetrically about centrelines of walls above unless noted otherwise.

Refer to Architects drawings for setting out of masonry.

All concrete works shall be carried out in accordance with the 'Concrete Specification'.

The following mixes are to be used (in accordance with BS8500):-

Location	Mix reference	Min Cement Content	Max Free W/C Ratio.	Nom. Size Aggregate.
Ground Beams	C25/30	260 kg/m cu.	0.65	20mm



Baseplate Type A.

Typical for 152x152 UC's.
Baseplate size - 350x350x12mm thick.
Post and baseplate encased in 100mm concrete surround below ground.

PILING NOTES

1. For details of ground conditions refer to the Ground Investigation report.

2. The specialist piling contractor shall be responsible for the design of the piling system and shall be deemed to have taken due account of the proposed loads and any effects on adjacent structures.

3. Due regard shall be taken of all relevant information noted within the Ground Investigation report for the design of the piling system.

4. All piling works shall be carried out in accordance with the ICE specification for piling (latest edition).

5. Full details of the proposed piling system shall be issued to the Engineer for comments including those listed below :-

- type and details of piles including mix design, reinforcement, joint details, protective coatings (if relevant) vibration monitoring (if relevant) etc.
- proposed length of piles.
- details / calculations of load to be carried by end bearing / skin friction including proposed factor of safety.
- energy / set calculations (driven piles only).
- proposed piling platform.

6. The nature, extent and level of the piling platform shall be agreed with the Main Contractor.

7. Setting out dimensions, as indicated on this drawing relate to centre lines of piles unless noted otherwise.

8. Cut-off levels for piles to be unless noted otherwise.

9. The proposed method of breaking down piles shall be approved by the Engineer prior to commencement of works.

10. Following 'breaking down' pile reinforcement shall be bent over and secured to pile cap / beam reinforcement.

11. Pile loads (working loads) are noted below :-

Vertical	150kN SWL
Horizontal	
Moments	

All piles shall be capable of resisting forces / moments due to effects of settling out / rake tolerances etc. The piling contractor shall allow, within his design for the effects of any existing / future negative skin friction due to the ground conditions.

12. During installation, record sheets (driven / cast lengths etc.) shall be issued to the Engineer on a daily basis as indicated in Clause 1.9 of the specification.

13. The Engineer shall be immediately notified of any broken piles / obstructions to allow the Engineer to specify any necessary remedial work.

14. The following testing shall be carried out :-

Load tests (kentledge) (maintained proof load test - clause 10.14.1)

Dynamic Tests (inc. CATWAP analysis) (driven precast only).

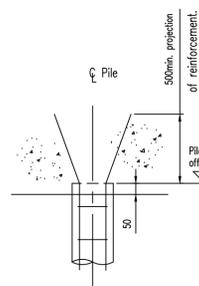
Integrity Tests (cast insitu only)

Dynamic and integrity testing shall be carried out by a reputable, independent testing authority.

15. All test piles shall be nominated by the Engineer and shall be clearly marked on site.

16. The following failure criteria for load testing shall apply :-

Working load deflection	10mm
Proof load (1.5 x working) deflection	15mm
Residual deflection	5mm



Typical pile cut-off detail (1:20).

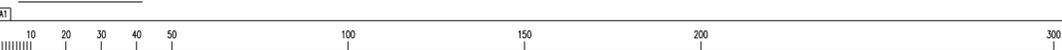
NOTE:

- 65 No Piles Assumed
- All Piles and Ground Beams to Piling Contractor's Design.
- Piles are based upon 150kN SWL.

Key to Cap Sizes

P.C.A 1500x600x600 d.p

Do not scale



Date	Description	Drawn	Chkd	Rev
17.04.23	Tender Issue	TC	DW	T01
16.08.21	Layout Updated	TC	DW	P02
15.07.21	Preliminary Issue	TC	DW	P01

Drawing Status: TENDER



Project: Anstey Community Building Extension

Title: Foundation Plan

Orig Scale	Drawn	Checked	Date
1:100	TC	DW	2021

Job Number	Drawing Number	Revision
20-270	01	T01