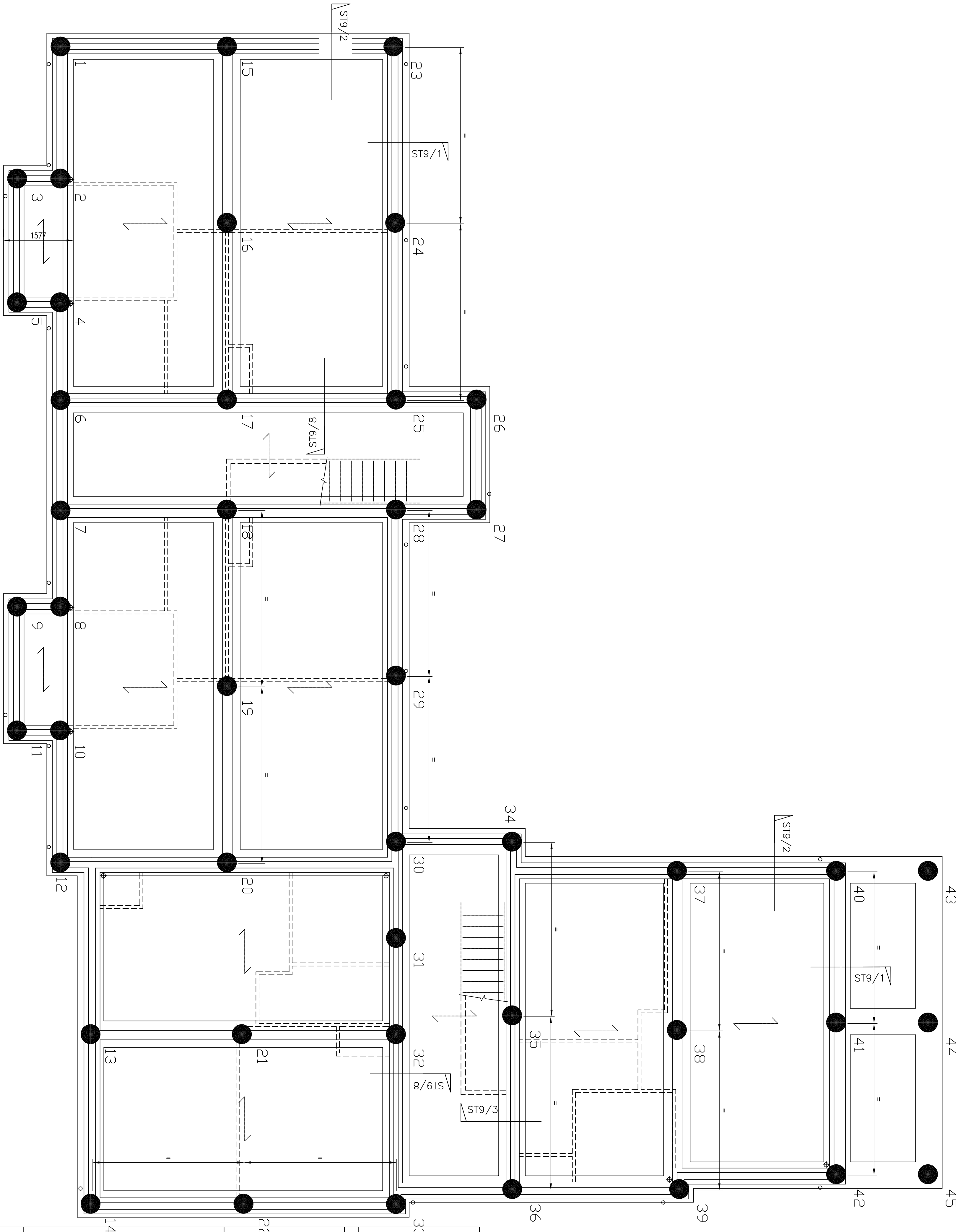
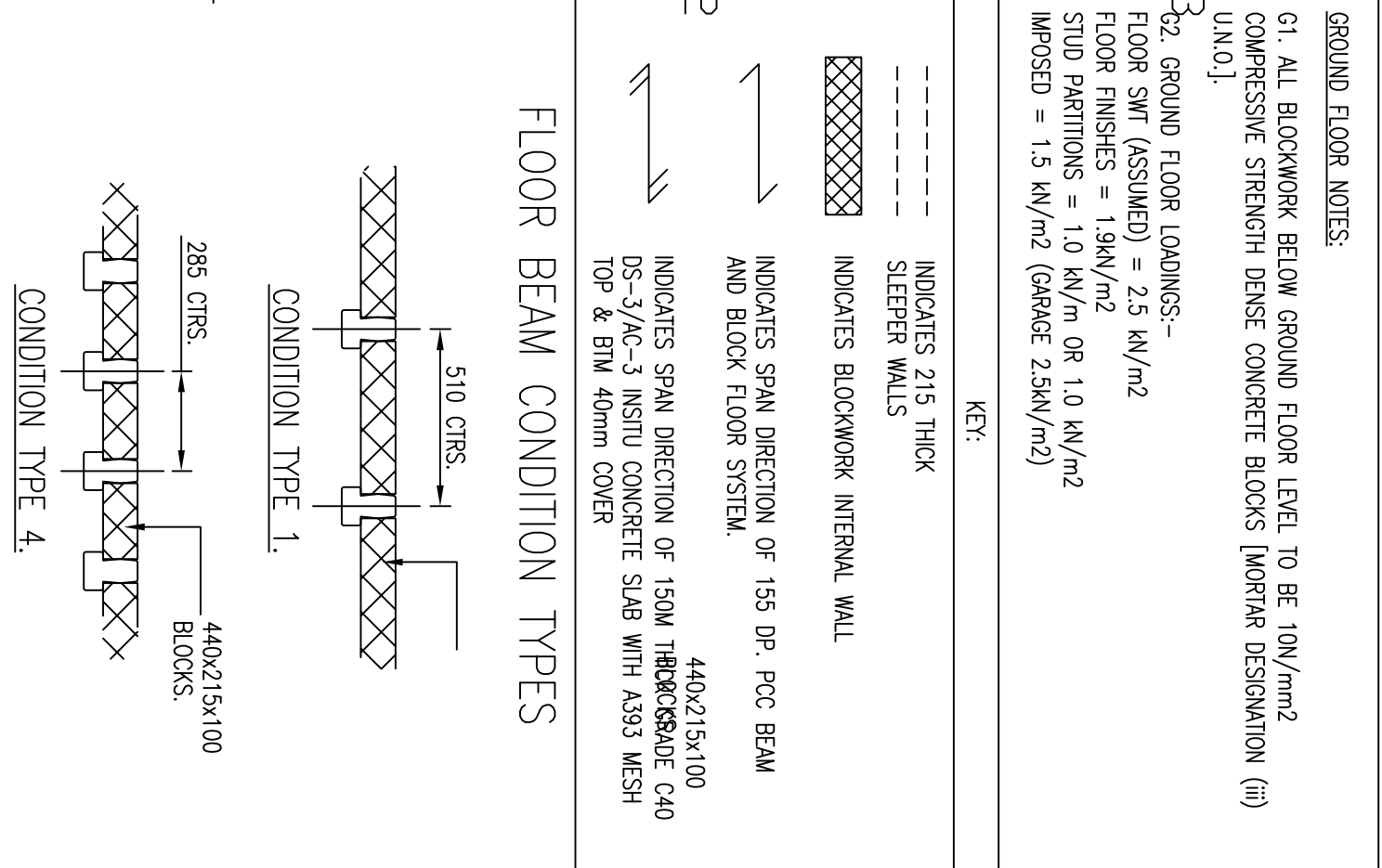




Block P

REFER TO HDL DRG No. 14-2260-110 FOR PILE LOADINGS



TOC 675mm BELOW FFL

REFER TO MAKE DRAWINGS AND EXTERNAL WORKS DRAWINGS FOR LOCATION OF SERVICE ENTRY POINTS.

ALL GROUND BEAMS ARE 600 WIDE x 500 DEEP UNLESS NOTED OTHERWISE

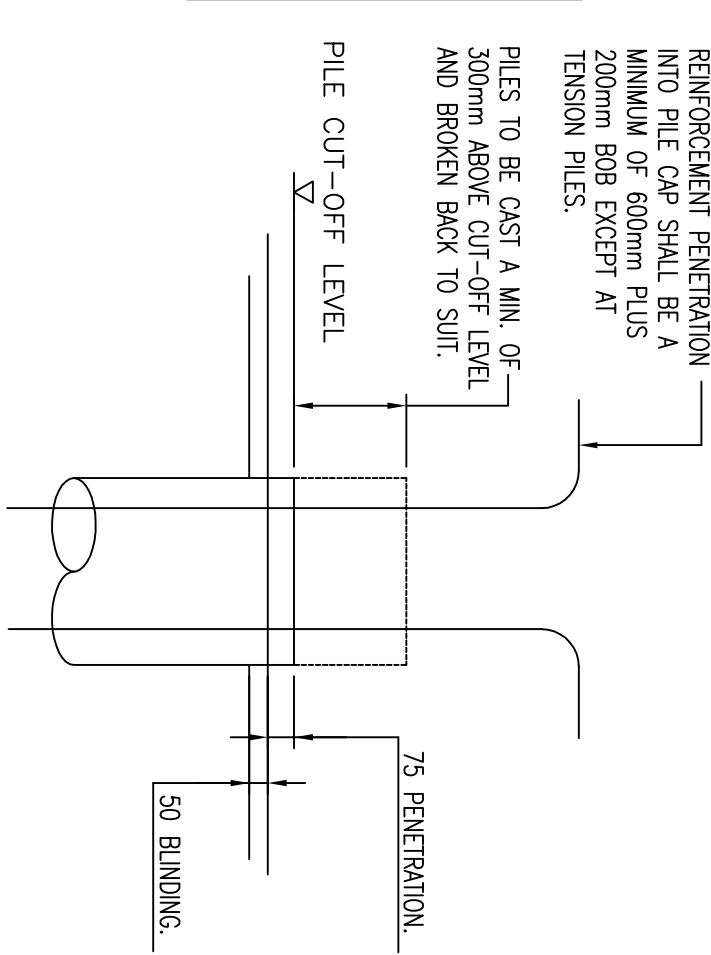
GROUND BEAM REINFORCEMENT ESTIMATE 175 kg/m<sup>3</sup>

REFER TO HDL STANDARD Drg. Nos. ST 2 & 9

- NOTES:
- THIS DRAWING IS COPYRIGHT AND SHOULD NOT BE REPRODUCED WITHOUT APPROVAL.
  - THIS DRAWING TO BE READ IN CONJUNCTION WITH THE ARCHITECT'S DRAWINGS. ANY DISCREPANCIES ARE TO BE BROUGHT TO THE ATTENTION OF BOTH PARTIES IMMEDIATELY.
  - ANY DIMENSIONS/LEVELS INDICATED 'rel' REFER TO ASSUMED/EXISTING DIMENSIONS WHICH ARE TO BE SITE CHECKED PRIOR TO THE COMMENCEMENT OF ANY WORK.
- PILING NOTES
- P1. ALL PILES TO BE DESIGNED, CONSTRUCTED AND TESTED BY THE PILING SUBCONTRACTOR IN ACCORDANCE WITH THE PARTICULAR SPECIFICATION FOR PILING WORKS.
- P2. PILE DIAMETERS SHOWN ARE 450mm DIAMETER AND SHOULD NOT BE ALTERED WITHOUT THE WRITTEN APPROVAL OF THE ENGINEER AS PILES HAVE BEEN SET OUT AND PILE CAPS DETAILED ON THE BASIS OF THE PILE DIAMETERS INDICATED.
- P3. CONCRETE FOR THE PILES SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS FOR CLASS DS-3/AC-3 CONDITIONS OF EXPOSURE AS CLASSIFIED IN BRE SPECIAL DIGEST 1.
- P4. SUFFICIENT REINFORCEMENT LENGTH ABOVE PILE CUT OFF LEVEL TO BE PROVIDED TO ENSURE SUFFICIENT CONTINUITY OF LOAD PATH INTO THE PILE CAPS FOR ALL LOAD CASES.
- P5. ALL SETTING OUT DIMENSIONS ARE TO CENTRE LINE OF PILES UNLESS NOTED OTHERWISE.
- P6. THE LOAD CAPACITIES SHOWN ARE UNFACTORED WORKING LOADS AND DO NOT INCLUDE FOR DOWN DRAG DUE TO NEGATIVE SKIN FRICTION OR THE SELF WEIGHT OF THE PILE. THE PILING SUBCONTRACTOR SHALL MAKE DUE ALLOWANCE WITHIN HIS DESIGN FOR THE SELF WEIGHT OF THE PILE AND THE EFFECTS OF NEGATIVE SKIN FRICTION.
- P7. ALL PILES SHALL BE DESIGNED TO RESIST A NOMINAL MOMENT EQUAL TO THE PILE CAPACITY MULTIPLIED BY AN ECCENTRICITY OF 75mm.
- P8. PILES TO PENETRATE 75mm INTO UNDERSIDE OF GROUND BEAM.

CONCRETE NOTES:

- B1. ALL CONCRETE FOR SUBSTRUCTURE TO BE GRADE RC40 IN ACCORDANCE WITH CLASS DS-3/AC-3 TO BRE SPECIAL DIGEST 1.
- B2. ALL STRUCTURAL CONCRETE TO BE CAST AGAINST FORMWORK OR ON 50mm BUNDING CONCRETE.
- B3. FORMED SURFACES – THE IRREGULARITIES IN THE FINISH SHALL BE NO GREATER THAN THOSE OBTAINED FROM THE USE OF THE WROUGHT THICKNESS SQUARE EDGE BOARDS ARRANGED IN A UNIFORM PATTERN. THE FINISH IS INTENDED TO BE LEFT AS STRUCK BUT IMPERFECTIONS SUCH AS FINS AND SPALLS OR DISCOLORATION SHALL BE MADE GOOD TO THE APPROVAL OF THE ENGINEER.
- B4. UNFORMED SURFACES – AFTER THE CONCRETE HAS HARDENED SUFFICIENTLY THE UNFORMED SURFACE SHALL BE FLOATED BY HAND TO PRODUCE A UNIFORM SURFACE FREE FROM SORED MARKS.



PILE REINFORCEMENT PENETRATION DETAIL: N.T.S.

PILE CUT-OFF LEVEL = 1.1m BELOW FFL

| PILE LEGEND |                | No. OFF |
|-------------|----------------|---------|
|             | PILE (450 DIA) | 45      |
| TOTAL       |                | 45      |

CONSTRUCTION

| C1 CONSTRUCTION            |             | HDJ/09.14           | HDJ/09.14         | HDJ/09.14         |
|----------------------------|-------------|---------------------|-------------------|-------------------|
| P1                         | PRELIMINARY | HDJ/06.14           | HDJ/06.14         | HDJ/06.14         |
| Version                    |             | Authorised and date | Reviewed and date | Approved and date |
| ORIGINAL DRAWING SIZE - A1 |             | X-BEES :            |                   |                   |
| CAD REF.                   |             | :                   |                   |                   |

|                                |  |                                                 |             |
|--------------------------------|--|-------------------------------------------------|-------------|
|                                |  | Client: FOREMAN HOMES LTD                       |             |
| Project: RANELAGH ROAD, HAVANT |  | Drawing Title: SUBSTRUCTURE/GROUND FLOOR LAYOUT |             |
| Block P                        |  | Revision                                        |             |
| HAMIL DAVIES LIMITED           |  | Drawn: HDL                                      | Scale       |
| Consulting Civil               |  | Designed                                        | 1:50 @ A1   |
| Working Office: SWANMORE       |  | Drawing Number                                  | 14-2260-108 |
| Telephone: 01489 893 596       |  | Version                                         | C1          |