

FOUNDATION NOTES

- All ground beams to be 600wd x 450dp unless noted otherwise. All ground beams to be located centrally about grid line UNO.
- Refer to drawing 100056/204 for pile loadings and setting out information.
- Ground beam reinforcement detailed on drawing number, 300 series

LINTELS

All exterior Lintels by specialist supplier UNO.

BLOCK STRENGTHS

All Blockwork 7.3 N/mm² 100mm wide in mortar class M4 UNO.
Substructure Blockwork to be min. 7.3N/mm² 100mm wide in mortar class M6 UNO.

Construction to be in accordance with NHBC technical standards

BEAM SCHEDULE

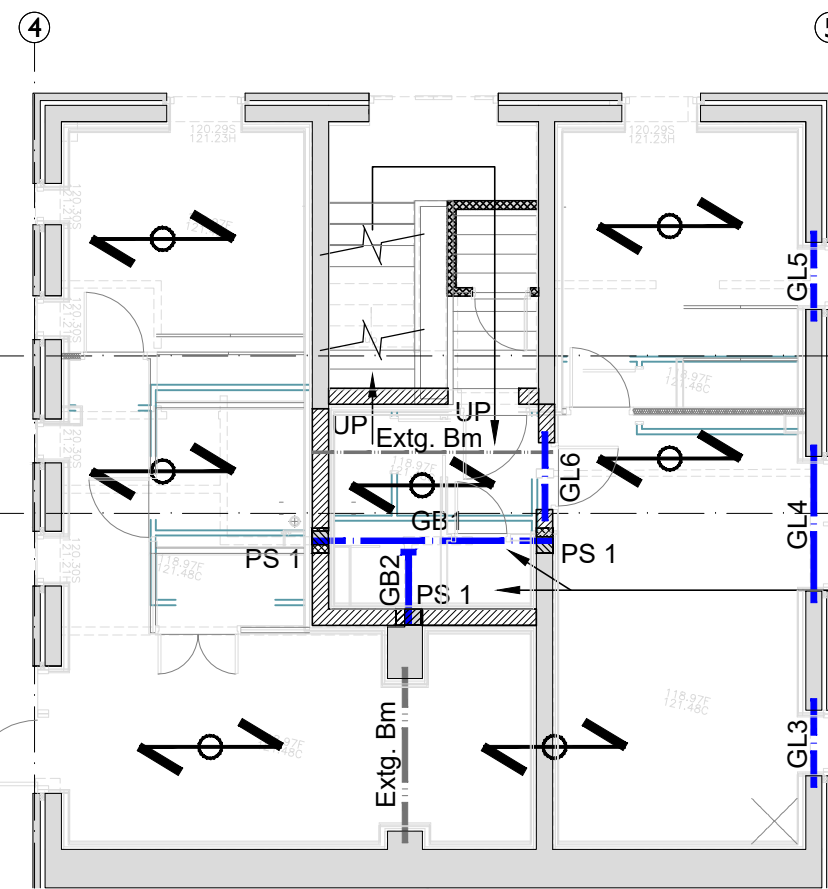
GB '1' = 203 UC 46
GB '2' = 203 UC 46
GL '3' = IG L6/50 215WIL
GL '4' = IG L6/50 215WIL
GL '5' = IG L6/50 215WIL
GL '6' = IG 2No. HB Box 100

PADSTONE SCHEDULE

PS '1' = 330lgx 215wd x215dp RC 35 Conc. PS

FOUNDATION SCHEDULE

F '1' = 600wd x 1m Min. dp Strip Foundation



General Arrangement
Basement Layout Showing Structure Over
(Scale = 1:100)

LEGEND

- Denotes 150mm Beam and Block flooring
- Denotes 150mm dp PC Hollowcore planks
- Denotes 150x47 (C24) Timber Rafters @600mm c.c
- Denotes 200x47 (C24) Timber Floor Joists @400mm c.c
- Denotes span of floor joists to specialist suppliers design
- Denotes Extg. Concrete Floor, depth and construction TBC on site.
- Denotes masonry cavity wall by Architects Refer to notes for block strengths
- Denotes arrangement of wall panels over
- Denotes Existing Walls to be retained
- Denotes Existing Walls to be removed
- Denotes new / infill Load-bearing Masonry panel/s to East Wing
- Denotes 140mm Wide Load-bearing Masonry panel/s
- Denotes 100mm Wide Load-bearing Masonry panel/s
- Denotes Buttrressing partitions
- Denotes Non-LB partitions to Architects arrangements
- Denotes Structural Steelwork Refer to reference for size.
- Denotes Timber Framing Refer to reference for size.
- Denotes 140x47 (C24) Load-bearing studs @600mm c.c
- Denotes Lintels. Refer to note for plan for widths and depths
- Denotes Strip Foundation. Refer to plan for widths and depths
- Denotes Padstone. Refer to reference for size
- Denotes Movement Joint Locations. Refer to detail
- Denotes U1 Windpost by IG or similar approved
- Denotes factored reactions for connection design by others

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Notes

- All dimensions are shown in mm. Working dimensions to be checked on site prior to construction.
- This drawing must be read in conjunction with all relevant Clients drawings, details and specifications.
- Concrete to ground beams to be RC35 grade -
 - minimum crushing strength of 35N/mm² at 28 days
 - maximum aggregate size 20mm
 - medium workability

Design Sulphate Class:

DS-1 to BRE Special Digest 1.
ACEC site Class AC-1.

- Pile loads are characteristic (ie unfactored) KN.
Maximum pile (Ø) diameters as follows:
600mm wide ground beam = 450mm max Ø pile
450mm wide ground beam = 300mm max Ø pile

Where necessary deepen or design piles to avoid lateral loading to adjacent piles.

- Pile embedment into ground beams to be: **40mm**
- The Contractor is to be responsible for following aspects of the works -
 - for complying with the CDM regulations at all times.
 - location of existing services within the works area.
 - stability of the structure and adjacent structures throughout the works.
 - In accordance with HSE, health and safety in construction, demolition of the top sections of concrete piles should **NOT** be carried out by hand held breakers. Contractor to allow for other techniques to be employed.

- DPC/DPM to be accordance with Architects details.

- 48 hours notice is to be given to the Engineer for inspection of the works.

- PC Floor design shall comply with BS 8110 and shall allow for the following unfactored loads-

Screed and finishes load: **1.8kN/m²**
Imposed load (house): **1.5kN/m² general**
Imposed load (garage): **2.5kN/m²**

- Soil Conditions:

High Plasticity

Heave protection required: **N/A**

Claymaster thickness: **N/A**

Under floor Void minimum: **300mm**

Cellcore specification: **N/A**

Gas Protection required: **No**

- Refer to Site Investigation by: **Southern Testing Laboratories Ltd**
Date: January 2025
Ref: J15797 Report

T2	Building footprint updated, structural framing updated to accommodate.	wm	jgw	25-03-2025
T1	Foundation system revised to Pile and Ground Beam arrangement. Updated to revised Architects layouts. Tender Issue	wm	jgw	27-01-2025
P3	Dimensions added to Architects Grid lines.	wm	jgw	09-01-2025
P2	General updates as clouded.	wm	jgw	11-12-2024
P1	Preliminary Issue.	wm	jgw	22-10-2024

Rev.	Description	By	Chk.	Date
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barter hill Barter Hill Partnership Limited
Greenway Business Centre
Greenway
Harlow Business Park
Essex CM19 5QE
t: 01279 430888
e: mail@barterhill.co.uk

Consulting Structural & Civil Engineers
15 Meridian Way
Meridian Business Park
Norwich NR7 0TA
t: 01603 300360
e: mail@barterhill.co.uk

Client
ZMQXL Ltd

Project
Re-development of East Court, College Lane, East Grinstead RH19 3LT

Drawing Title
Foundation & Ground Floor General Arrangement

Designed by
JGW

Drawn by
WM

Checked by
JGW

Scale @ A1
As shown

Date
September 2024

Drawing No.
10056/200

Revision
T2

Job Ref
10056

Status
TENDER ISSUE

Cad file
P:\10056\Structural\

Contact Office
Harlow

DRAWING NOTES:

- Refer to drawing 10056/210,211 for sections & details.
- Refer to drawing 10056/220 for construction notes.
- Architects drawings received; 21 January 2025
- This drawing and associated .dwg and or .dxf files are not to be used for dimensional information. Refer to Architects drawings for dimensions or obtain on site as appropriate UNO.
- All dimensions are in mm (millimetres) U.N.O
- Drawing to be read in colour
- No dimensions are to be scaled off this drawing. If in doubt please ask.
- This drawing should be read in conjunction with all other relevant project documents.
- Drawings to be read in conjunction with architectural drawings and specifications.
- 10.48 hours' notice to be given to the Engineer for inspection of any works.

CONTRACTORS NOTES:

- All dimensions are shown in mm. Working dimensions to be checked on site prior to construction.
- This drawing must be read in conjunction with all relevant Clients drawings, details and specifications.
- The Contractor is to be responsible for following aspects of the works -
 - The temporary propping and support of all new and existing structures during construction.
 - For complying with the CDM regulations at all times.
 - All construction to be in accordance with Part 'A' of the building regulations and NHBC technical standards