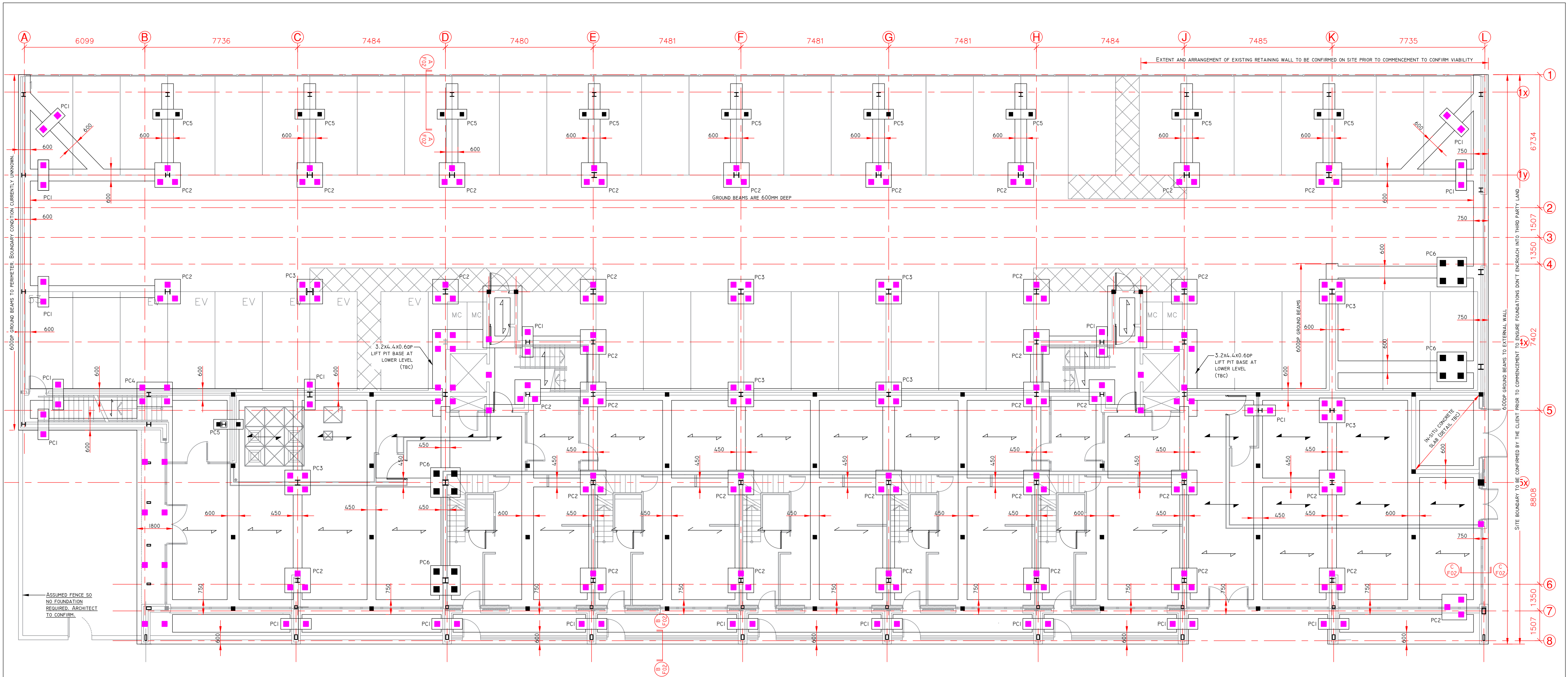




FOUNDATION GENERAL ARRANGEMENT
1:100 @ A1, 1:200 @ A3

PILE CAP SCHEDULE

- PC1 - 1550x550x750DP WITH 2NO. 550KN PILES
PC2 - 1300x1300x750DP WITH 2NO. 550KN PILES
PC3 - 1300x1300x750DP WITH 4NO. 550KN PILES
PC4 - 1800x1800x750DP WITH 4NO. 550KN PILES
PC5 - 1500x500x750DP WITH 2NO. 325KN PILES
PC6 - 1500x1500x1000DP WITH 4NO. 800KN PILES

- DENOTES ASSUMED 200MM DIAMETER PILE WITH A SAFE WORKING COMPRESSION LOAD OF 325KN (58NO. REQUIRED)
■ DENOTES ASSUMED 250MM DIAMETER PILE WITH A SAFE WORKING COMPRESSION LOAD OF 550KN (207NO. REQUIRED)
■ DENOTES ASSUMED 300MM DIAMETER PILE WITH A SAFE WORKING COMPRESSION LOAD OF 800KN (17NO. REQUIRED)
- ALL PILES TO BE DESIGNED FOR A MINIMUM SHEAR OF 10KN. PILE LOAD FACTOR OF SAFETY IS TO BE AGREED WITH BUILDING CONTROL/WARRANTY PROVIDER PRIOR TO COMMENCEMENT. ALLOW FOR 3.0 AT TENDER STAGE. THE PILE DESIGN AND INSTALLATION METHOD IS THE RESPONSIBILITY OF THE PILING CONTRACTOR AND IS TO ACCOUNT FOR THE PROXIMITY OF NEIGHBOURING BUILDINGS AND SERVICES AS WELL AS THE GROUND INVESTIGATION REPORT. PILE DIAMETERS REFERENCED ARE ASSUMED AND ARE TO BE CONFIRMED BY THE PILING CONTRACTOR. INCREASES IN PILE DIAMETERS WILL RESULT IN INCREASES IN PILE CAP DIMENSIONS.

REINFORCEMENT ESTIMATE

FOR PRICING PURPOSES THE FOLLOWING REINFORCEMENT ESTIMATES SHOULD BE USED:

PILE CAPS - 130kg/m²
GROUND BEAMS - 225kg/m²

- DENOTES SPAN OF BEAM AND BLOCK AS DESIGNED BY OTHERS FOR A LIVE LOAD OF 1.5kN/M²
→ DENOTES SPAN OF BEAM AND BLOCK AS DESIGNED BY OTHERS FOR A LIVE LOAD OF 3.0kN/M²
→ DENOTES SPAN OF BEAM AND BLOCK AS DESIGNED BY OTHERS FOR A LIVE LOAD OF 7.5kN/M². ALLOWANCE TO BE MADE FOR REINFORCED CONCRETE TOPPING.

ALLOWANCE IS TO BE MADE IN THE PRECAST GROUND FLOOR DESIGN FOR THE SUPPORT OF LIGHTWEIGHT STUD PARTITIONS AND PRECAST CONCRETE STAIRCASES. LOADS TO BE PROVIDED BY THE STAIR DESIGNER.

FOR SECTIONS AND DETAILS, REFER TO BMC DRAWING J7119/F02

TOP OF CONCRETE LEVEL TO BE CONFIRMED FOLLOWING RECEIPT OF ARCHITECTURAL BUILD UP

GROUND BEAMS ARE GENERALLY 600 X 450DP UNLESS NOTED OTHERWISE

ALL PARTY WALL AGREEMENTS ARE THE RESPONSIBILITY OF THE CLIENT AND ARE TO BE IN PLACE PRIOR TO WORK COMMENCING ON SITE.

ALLOWANCE TO BE MADE FOR SLEEVING DRAINAGE AND SERVICES THROUGH GROUND BEAMS AS REQUIRED AND FOR SHORING OF EXCAVATIONS ON BOUNDARIES.

CONTRACTOR TO REFER TO GROUND INVESTIGATION REPORT AND REMEDIATION STRATEGY FOR DETAILS OF GROUND CONDITIONS, CONTAMINATION, GROUNDWATER AND REMEDIATION REQUIREMENTS.

GENERAL NOTES:

- THIS DRAWING IS COPYRIGHT AND THE PROPERTY OF BELL MUNRO CONSULTING LTD. THE DRAWING MUST NOT BE REPRODUCED IN PART OR IN WHOLE WITHOUT PRIOR WRITTEN AUTHORITY.
- THIS DRAWING MUST NOT BE SCALED BY OTHER CONTRACTORS OR OTHER CONSULTANTS ANY DIMENSIONAL OR SETTING - OUT DISCREPANCIES ARE TO BE REPORTED TO BELL MUNRO CONSULTING PRIOR TO CONSTRUCTION / FABRICATION COMMENCING.
- THIS DRAWING MUST BE READ IN CONJUNCTION WITH THE RELEVANT BMC SPECIFICATIONS TOGETHER WITH THE APPROPRIATE ARCHITECTS AND SERVICES CONSULTANTS DRAWINGS AND SPECIFICATIONS.
- ALL DIMENSIONS TO BE CHECKED BY CONTRACTOR PRIOR TO FABRICATION.
- ALL WATERPROOFING AND INSULATION TO ARCHITECTS SPECIFICATION.
- C-L DENOTES CENTER LINE
- INSTALLATION OF ALL PROPRIETARY BUILDERS METAL WORK TO BE IN STRICT ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS.
- TEMPORARY STABILITY DURING CONSTRUCTION IS THE RESPONSIBILITY OF THE MAIN CONTRACTOR AND SHOULD BE ASSESSED ACCORDINGLY.

FOUNDATION NOTES

- ALL WORKS TO BE IN ACCORDANCE WITH THE INSTITUTION OF CIVIL ENGINEERS SPECIFICATION FOR PILING
- ALL WORKS SHOULD BE CARRIED OUT IN ACCORDANCE WITH THE SITE INVESTIGATION
- PILE CAPACITIES (WORKING/UNFACTORED) ARE ASSUMED AS NOTED ON THE DRAWING WITH MINIMUM 10KN SHEAR UNO.
- PILING CONTRACTOR TO ALLOW FOR LOAD TESTS TO 5% OF PILES. INTEGRITY TESTING REQUIRED TO 100% OF PILES.
- A PILING MAT WILL BE REQUIRED IN LINE WITH BRE470 WORKING PLATFORMS FOR TRACKED PLANT.
- ALL CONCRETE IN CONTACT WITH THE GROUND TO BE SUITABLE FOR USE IN THE FOLLOWING CONDITIONS:
DESIGN SULPHATE CLASS DS-2
AGGRESSIVE CHEMICAL ENVIRONMENT AC-2
- MAX AGGREGATE SIZE 20MM
- COVER TO REINFORCEMENT TO BE:
16.1. 75MM BOTTOM
16.2. 40MM TOP
16.3. 40MM SIDES
- UNLESS NOTED OTHERWISE LAPS TO BE AS FOLLOWS:
17.1. H10 - MINIMUM 500MM
17.2. H12 - MINIMUM 600MM
17.3. H16 - MINIMUM 750MM
17.4. H20 - MINIMUM 900MM
17.5. H25 - MINIMUM 1000MM

RC SLAB NOTES

- MESH TO BE SUPPLIED WITH FLYING END TO TWO SIDES AND NESTED ON SITE TO AVOID CONGESTION.
- LAPS TO MESH TO BE MINIMUM 4.0 TIMES BAR DIAMETER.
- COVER TO SLAB REINFORCEMENT TO BE 35MM BOTTOM AND 35MM TOP.
- MESH / REINFORCEMENT TO BE FROM CARES REGISTERED SOURCE.

MASONRY NOTES

- ALL MASONRY TO BE CONSTRUCTED IN ACCORDANCE WITH BS5628, CODE OF PRACTICE FOR THE USE OF MASONRY.

- ALL CONCRETE TO BE IN ACCORDANCE WITH NATIONAL STRUCTURAL CONCRETE SPECIFICATION FOR BUILDING CONSTRUCTION.
- HI-VIS REBAR PROTECTORS TO BE PLACED ON ENDS OF EXPOSED BARS AND ALL OPERATIVES TO WEAR EYE PROTECTORS (GOGGLES) TO AVOID INJURY.
- FOUNDATIONS TO BE IN ACCORDANCE WITH BS8004, FOUNDATIONS AND BS810, STRUCTURAL USE OF CONCRETE.
- FORMATIONS WHICH ARE TO BE LEFT EXPOSED OVERNIGHT PRIOR TO CONCRETING SHALL RECEIVE GRADE ST3 BLINDING TO BS5328 PART 2 1991.
- ALL REINFORCED CONCRETE TO BE GRADE C30/37 IN ACCORDANCE WITH BS8500.
- CONCRETE FOR CAVITY FILL TO BE GENI, MIN. CEMENT CONTENT 120KG/M³, 75MM SLUMP WITH COMPRESSIVE STRENGTH 10N/MM² AT 28 DAYS.
- MASONRY WALL TIES TO BE TYPE 2 TO BS 1243 OR DD140 AT SPACING OF 900MM HORIZONTAL AND 450MM VERTICAL (225MM VERTICAL AT OPENINGS AND FREE EDGES) IN ACCORDANCE WITH BUILDING REGULATIONS APPROVED DOCUMENT A.
- MASONRY TO BE SET OUT IN STRICT ACCORDANCE WITH ARCHITECTS DRAWINGS.

STEELWORK NOTES

- ALL STEEL TO BE GRADE S355 U.N.D.
- ALL BOLTS TO BE GRADE 8.8 U.N.D.
- ALL STEELWORK TO BE IN ACCORDANCE WITH NATIONAL STRUCTURAL STEELWORK SPECIFICATION, CL. 1.4.1 DETAIL DESIGN BY THE STEELWORK CONTRACTOR OF THE CONNECTIONS.
- ALL STEELWORK TO BE CONCRETE ENCASED BELOW GROUND LEVEL (MIN. 70MM COVER).

COORDINATION

REV	INITIALS	ISSUE	DATE	BY
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BMC

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CLIENT: HEATLEY DEVELOPMENTS

PROJECT: OSBORNE YARD, OLDHAM ROAD

TITLE: FOUNDATION GENERAL ARRANGEMENT

DRAWN BY: R.C. CHECKED BY: S.J.B. SCALE: 1:100 DATE: 03/22

REVISION: J7119/F01