

**NOTES:**

- This drawing is to be read in conjunction with all relevant Architects and Engineers drawings, details and specifications.
- Do not scale this drawing. All details and dimensions are to be checked by the contractor and fabricator onsite prior to commencement of construction/fabrication. Any discrepancies are to be reported to the Engineer. Any existing dimensions noted on this drawing are to be checked by the contractor prior to commencement of works.
- Any ambiguities, omissions and errors on the drawings, shall be brought to the Engineers attention immediately.
- All dimensions are in millimetres unless noted otherwise.
- All works to be carried out in accordance with the relevant British Standards, Codes of Practice and Building Practice.
- Contractor to ascertain the location of all services on site prior to starting any excavations works and report and potential problems immediately.
- Piles under columns/walls to be 600mm dia piles. Compression capacity 1500kN. Pile length 20m (TBC by the Piling Specialist). For temporary conditions, piles should be designed as anchor piles under (-)750kN tension.
- Approx. 41No additional tension/compression piles. Tension load (+)750kN, compression load (+)400kN. Estimated active pile length 13m (TBC by the Piling Specialist).
- Pile caps under the columns - 6 piles pile cap, 2.7m x 4.5m x 1.5m deep.
- Anti-heave material for overburden to be provided to underside of B-2 slab and pile caps as follows:  
Cordek CP30/40 - underside 1000mm deep piled raft  
Cordek CC40/50 - underside 1500mm deep pile caps
- Concrete materials:  
Piles - AC-3s, DS4, RC28/35  
Pile Caps - AC-3s, DS4, RC35/40  
Piled Raft - AC-3s, DS4, RC35/40  
RC Columns - RC40/50  
RC Walls - RC40/50
- Based on a SI report, the risk of potential LXB is moderate to high.
- Secant piles 900mm diameter. Pile loads 1000kN in compression UNO and 500kN in tension. Estimated active pile length to be 20m TBC by the piling contractor.
- Denotes pile load 3000kN in compression. Estimated active pile length to be 30m TBC by the piling contractor.
- Secant pile wall with alternate male/female piles. Female piles toe @ +13.850.

**COLUMN SCHEDULE**

MARK	TYPE
C2	400 x 350 mm RC Column
C3	415 x 350 mm RC Column
C4	750mm Dia RC Column
C5	560 x 665 mm RC Column
C6	600 x 300mm RC Column
C7	600mm Dia RC Column
C8	665 x 200mm RC Column
C9	750 x 350 mm RC Column
C10	1000 x 300 mm RC Column
C11	1100 x 200 mm RC Column
C12	1200 x 300 mm RC Column
C13	450 x 350 mm RC Column
C14	300mm Dia RC Column
SC1	150x150x10.0 SHS (S355)
SC2	152x152x37 UC (S355)



GA BASEMENT B2

1 : 100

S1	Stage 3 Issue	14/05/15	AL	SS
P2	Preliminary Issue - Issued for Costing	30/04/15	AL	SS
P1	Preliminary Issue - Issued for Costing	20/04/15	AL	SS
Rev:	Description:	Date:	By:	Chkd:

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Status: **STAGE 3**

Project: **UCL - NEW STUDENT CENTRE**

Dwg Title: **GA BASEMENT LEVEL -2**

Scale:	Size:	First Issue:	Drawn:	Checked:
1 : 100	A1	28/01/2015	AL	SS
Dwg No:	Rev:			
LO1254 / S-01				S1