



00 Ground Floor Plan  
1 : 50

PILE REF	CUT-OFF LEVEL (m)	PILE Ø (mm)	EASTING (mm)	NORTHIN G (mm)	Gk (kN)	Qk, imposed (kN)	Qk, wind (kN)	Qk,i (kN)	Qk,j (kN)	Gup,SLS, d (kN)	Ghe,k (kN)	Qhe,k (kN)	Ad (kN)	Gk,m (kNm)	Qk,m (kNm)	Gk,h (kN)	Qk,h imposed (kN)	Qk, h wind (kN)	Ad,h (kN)
P1	+105.225	324	530,260,653	179,787,015	400	260									100	50	10		
P2	+105.262	324	530,262,251	179,786,956	325	215									100	50	10		
P3	+105.296	324	530,263,850	179,786,897	300	200									100	50	10		
P4	+105.330	324	530,265,449	179,786,838	300	200									100	50	10		
P5	+105.365	324	530,267,048	179,786,779	300	200									100	50	10		
P6	+105.400	324	530,268,647	179,786,720	325	215									100	50	10		
P7	+105.433	324	530,270,246	179,786,661	400	260									100	50	10		
P8	+105.466	324	530,271,845	179,786,602	420	280									100	50	10		
P9	+105.240	324	530,260,839	179,778,502	400	260									100	50	10		
P10	+105.273	324	530,262,438	179,778,443	350	230									100	50	10		
P11	+105.307	324	530,264,037	179,778,384	300	200									100	50	10		
P12	+105.340	324	530,265,636	179,778,325	300	200									100	50	10		
P13	+105.375	324	530,267,235	179,778,266	300	200									100	50	10		
P14	+105.409	324	530,268,834	179,778,207	300	200									100	50	10		
P15	+105.443	324	530,270,432	179,778,148	350	230									100	50	10		
P16	+105.478	324	530,272,031	179,778,089	400	260									100	50	10		

All co-ordinates to be checked by BDP, Wates and on site

- Notes:-
- All pile loads to be designed for a minimum of:-
    - Vertical load = 700kN (SLS)
    - Horizontal load = 60kN (SLS) and
    - Moment = 100kNm (SLS)
  - All steelwork to have a minimum connection force of:-
    - Moment = 25kNm
    - Shear = 75kN
    - Tension = 75kN
  - All steelwork connections directly supporting crane loads are also to be checked for fatigue resistance in accordance with BS EN 13001-3-1 (as documented by CIRIA C761 'Tower Crane Construction and Tie Design' Clause A2.2).

COLUMN SCHEDULE		BRACING SCHEDULE	
REF.	SIZE	REF.	SIZE
C1	UC356x368x202	HB1	CHS114.3x5
C2	UC356x406x393	VB1	10x150 Vertical flat cross bracing

Notes

- Do not scale from this drawing on print or electronically. Work from figured dimensions only.
- No deviation from the details on this drawing is allowed without CampbellReith's prior permission in writing.
- Read this drawing with all Architect's, Service Engineer's and CampbellReith's relevant details, specifications and drawings.
- All work is to be done in accordance with the relevant specifications issued by CampbellReith, British Standard Codes of Practice, Statutory Requirements and the Contract Documents.
- Drawings status:  
P: Preliminary Evolving drawings for approvals, tenders, billings etc.  
C: Construction Fully developed drawings issued under instructions for construction
- Only status C drawings to be used for construction.
- Subsidiary code:  
S0 - Work in progress  
S1 - Shaded (Not confirmed)  
S1 - For coordination, S2 - For information, S3 - For internal review and comment, S4 - For construction approval.  
D1 - For Costing, D2 - For Tender, D3 - For contractor design, D4 - for manufacturer/procurement.  
Construction:  
A - For construction, B - For construction but with comments (i.e. areas in abeyance), CR - Construction Record (Final Construction ONLY). Any deviations to that which is on site is not the liability of CampbellReith.

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REV	DATE	DESCRIPTION
P07	07.10.2020	Coordinates revised following site confirmation and update to survey. Gridlines simplified and relocated.
P06	05.10.2020	Pile, gridlines and site co-ordinates added. To be confirmed.
P05	30.09.2020	Column sizes revised. Tie beams added and locations adjusted. Pile schedule added. Notes added.
P04	26.08.2020	Pile sizes revised. Tie beams added flush with existing road. North end foundation moved West by 500mm.
P03	20.07.2020	Issued for planning.
P02	14.07.2020	Issued for planning.
P01	06.07.2020	Issued for planning.

Building: 000NE-Northen Estates  
Project Title: 000NE-Northen Estates  
Drawing Status: S2 - Suitable for Information  
Drawing Title: Northern Estates Crane Gantry Ground Floor Plan  
Drawing No.: 2131-CRH-90-SL-S-XX-DR-03000  
Date: 25.03.20  
Scale @ A1: 1 : 50  
Rev: C01

**HOUSES OF PARLIAMENT**

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