



Full Isometric View

01 First Floor Plan  
1 : 50

- 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	
REF.	SIZE
C1	UC356x368x202
C2	UC356x406x393

BRACING SCHEDULE	
REF.	SIZE
HB1	CHS114.3x5
VB1	10x150 Vertical flat cross bracing

BEAM SCHEDULE	
REF.	SIZE
B1	UC203x203x60
B2	UC305x305x158
B3	UB838x292x194
B4	UB914x305x224

**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.
- Drawing status:  
 P: Preliminary Evolving drawings for approvals, tenders, billings etc.  
 C: Construction Fully developed drawings issued under instructions for construction  
 6. Only status C drawings to be used for construction.
- Submittal code:  
 Work in progress  
 S0 - Work in progress  
 Shaded (Not complete)  
 S1 - For coordination, S2 - For information, S3 - For internal review and comment, S4 - For construction approval.  
 Documentation (For contractor purposes)  
 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

**CampbellReith**  
consulting engineers

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Building: 000NE-Northen Estates  
 Project Title: 000NE-Northen Estates  
 Drawing Status: S2 - Suitable for Information  
 Drawn By: AJT Approved By: BS

Drawing Title: Northern Estates Crane Gantry First Floor Plan  
 Drawing No.: 2131-CRH-90-ZZ-S-XX-DR-03010  
 Date: 06.01.20 Scale @ A1: 1 : 50 Rev: C01

**HOUSES OF PARLIAMENT**  
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