

- 4) STEELWORK**
- a) all hot rolled steel S275JO in accordance with BSEN 10025.
 - b) all welding to be in accordance with BS 5153. Minimum fillet weld to be 5mm. All butt welds should be 'full penetration'/ All fillet welds to have 6mm min. leg length, unless noted otherwise
 - c) all bolting to be carried out using grade 8.8 bolts in 1.5mm clearance holes
 - d) all exposed sawn edges of steel members, end plates, etc. are to have sharp edges and burrs removed by grinding or equivalent
 - e) all dimensions to be checked on site by the Contractor prior to fabrication and erection of steelwork
 - f) Below ground steel to receive two coats of RIW-LAC 'Bituminous' up to 200mm above ground level
- 5) SAFETY**
- a) horizontal surfaces of concrete to be either light tamped or brush finish
 - b) fixed and removable balustrade is NOT suitable for tying off training ropes, chains, etc.

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- 1) GENERAL**
- a) all drawings are copyright protected and may not be used, reproduced or relied upon by third parties except as explicitly agreed by Michael Aubrey Partnership Ltd.
 - b) all measurements must be obtained from stated dimensions and must not be scaled except for Local Authority planning application purposes
 - c) all dimensions are in millimetres unless noted otherwise and must be verified on site prior to works
 - d) all drawings are to be read in conjunction with all other project drawings and any discrepancies must be reported immediately for clarification
 - e) all proprietary products are to be installed strictly to Manufacturer's instructions unless noted otherwise
- 2) CONCRETE**
- a) cover to reinforcement to be 40mm all sides to all elements
 - b) all concrete as per Concrete Schedule
 - c) Contractor to provide all chairs, spacers, etc. necessary to adequately support reinforcement during placement and casting of concrete. Pieces of wood, brick, etc. will not be permitted
 - d) refer to MAP/C3106/917 for bar bending schedule
- 3) STEEL REINFORCEMENT**
- a) to comply with BS 4449 & cut & bent to BS8666
 - b) all high yield steel with a minimum yield strength of 500 MPa to be marked with "H"
 - c) no reinforcement shall be roughly handled, dropped from a height or subjected to shock loading or mechanical damage
 - d) at the time of placing concrete, reinforcement shall be clean & free of corrosive pitting, loose mill scale, loose rust, oil and other substances that may adversely affect the reinforcement, concrete, or bond between the two
 - e) unless otherwise permitted, reinforcement shall be fixed in position before placing concrete. In addition to any spacers & chairs shown on drawings or schedules, adequate support & secure ties shall be provided to maintain the specified cover
 - f) no steel reinforcement shall be placed or fixed in contact with non-ferrous metals

Concrete Schedule	
<i>(refer to 'Concrete' sheet notes)</i>	
Element	Value
Foundation Pad	
compressive strength class	C25/30
max. W/C ratio	0.55
min. cement content	300KG/m ³
DC class	DC-1
max. aggregate size	20mm
chloride class	CL0.40
cement/combination group	All
min. air content	0.00

Member Schedule	
<i>Existing steel columns on existing tower to be re-sited, column sizes are assumed</i>	
Ref.	Member
C00/01	UC254x254x73
C00/02	UC254x254x73
C00/03	UC254x254x73
C00/04	UC254x254x73

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Project
Leicestershire Fire & Rescue Service - Training Tower Foundation

Client
Leicestershire Fire & Rescue Service, 12 Geoff Monk Way, Birstall, Leicester. LE4 3BU

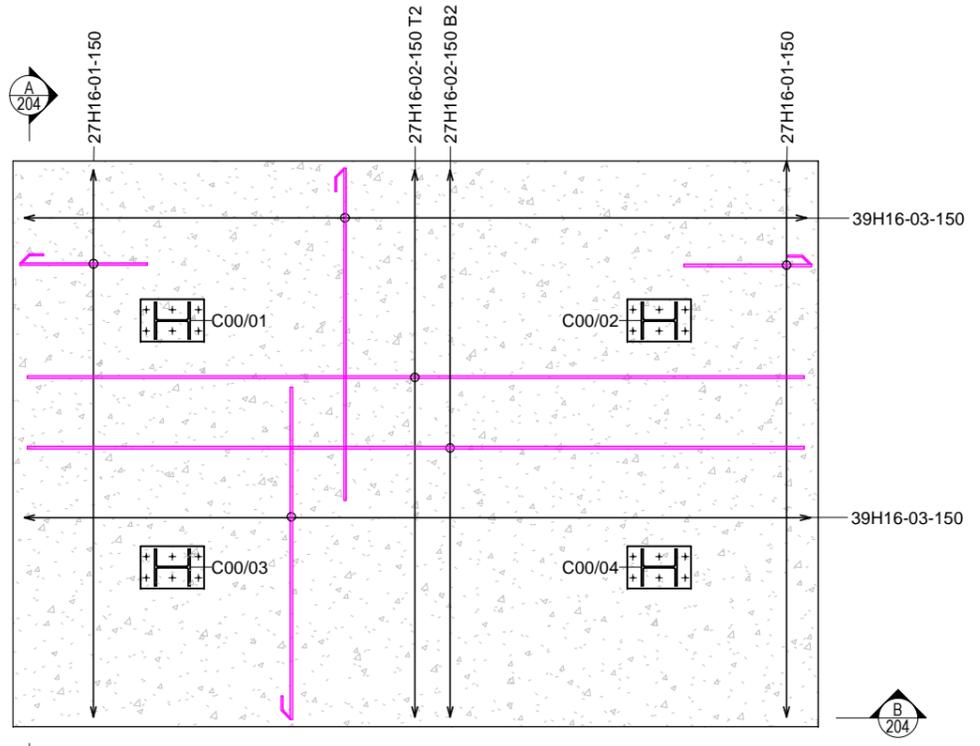
Title
Training Tower Foundation - General Arrangement & Proposed Rebar

Drawing No. **MAP/C3106/204** Revision **0**

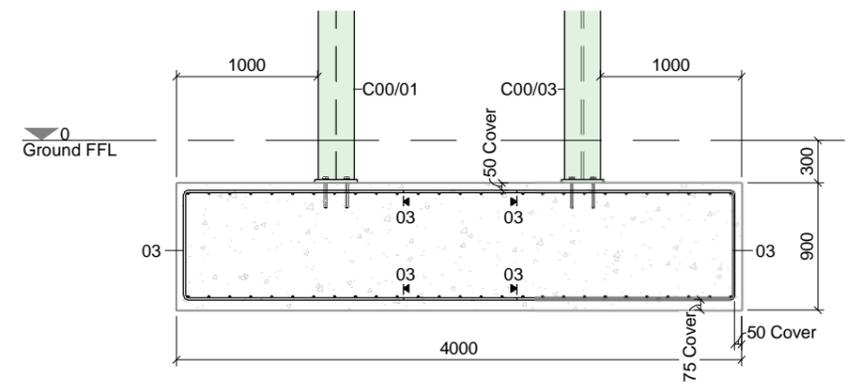
Project No. **C3106** Date **21.12.2017**

Drawn by **MS** Checked by **AW**

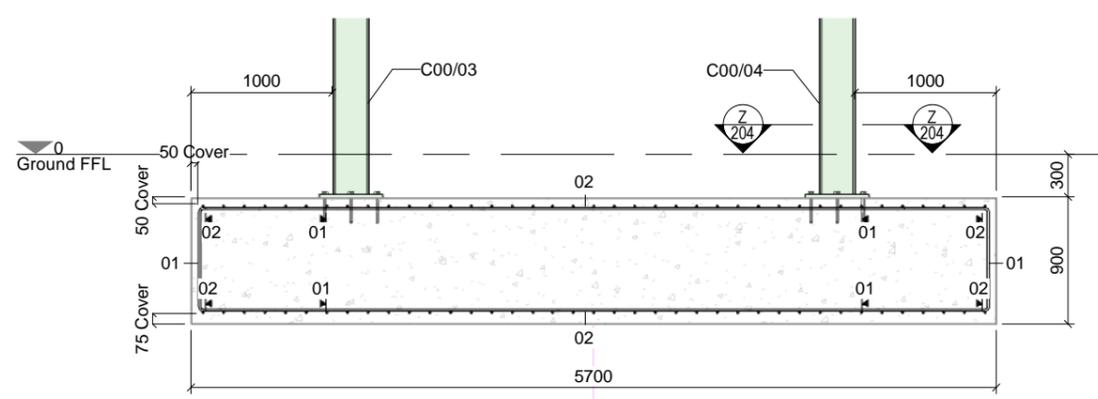
Scale **As indicated** Sheet Size **A3**



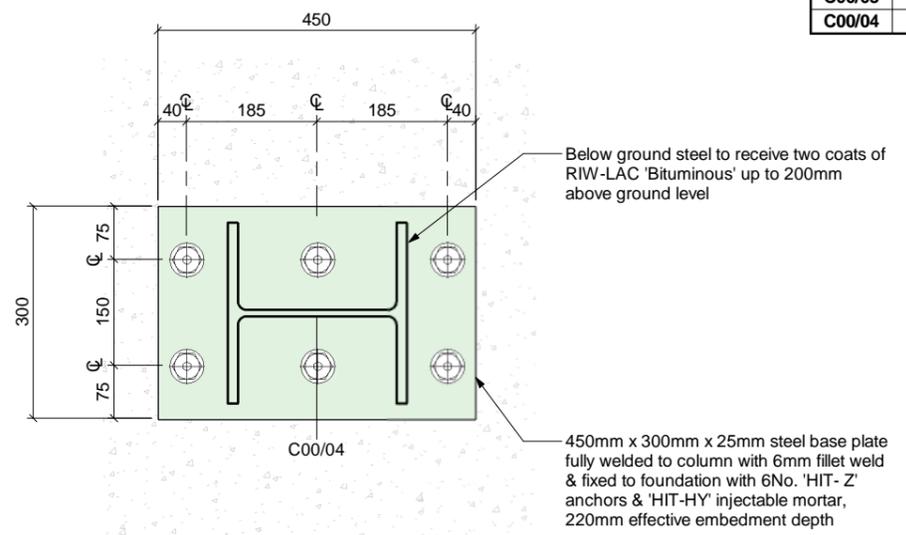
Proposed Structure Ground Level Plan
Scale 1 : 50



Section A-A
Scale 1 : 50



Section B-B
Scale 1 : 50



Section Z-Z
Scale 1 : 10

