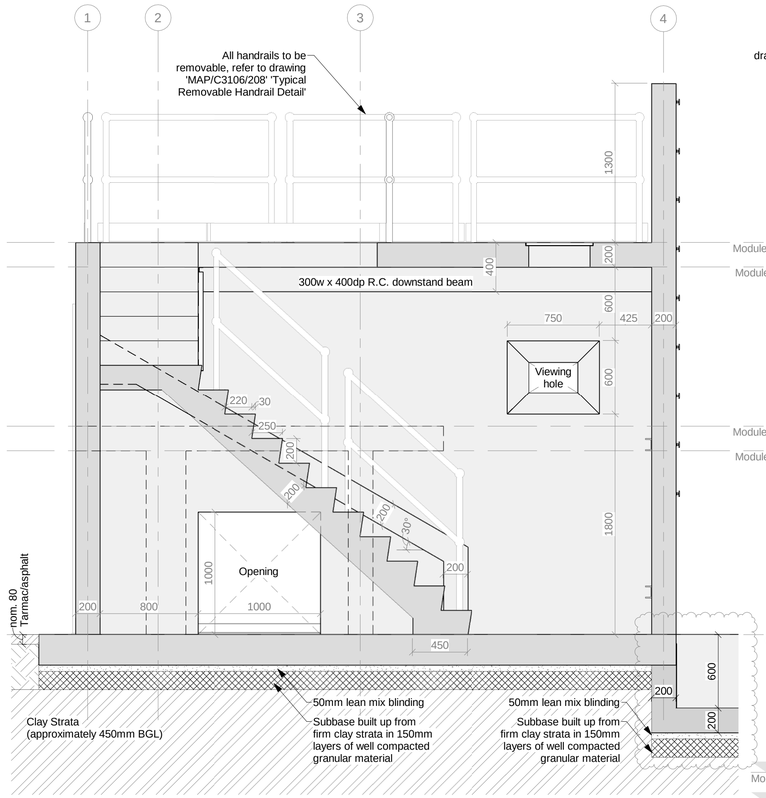
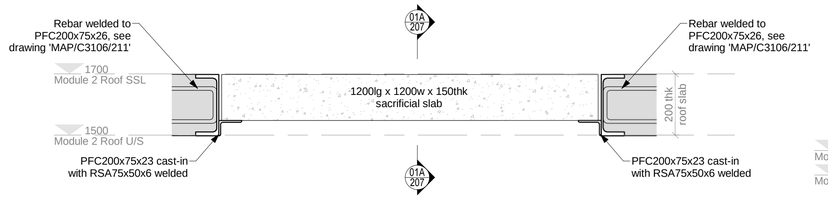
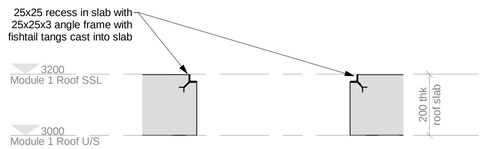


Section A-A
General Arrangement
Scale 1 : 25



Proposed Detail 01
Scale 1 : 10



Proposed Detail 02
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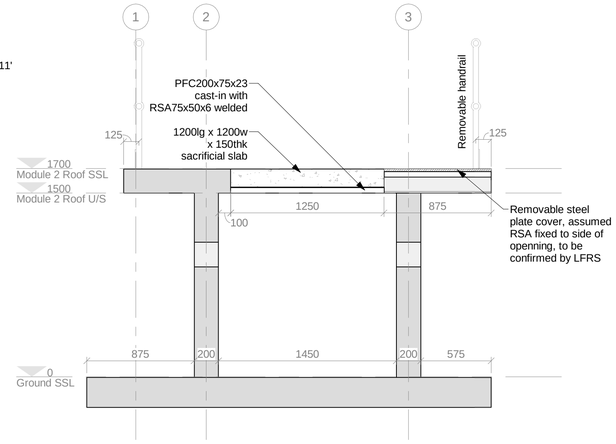

Proposed Section 01A-01A
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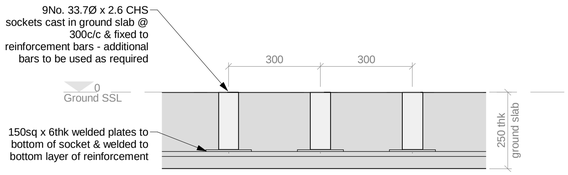

Proposed Detail 03
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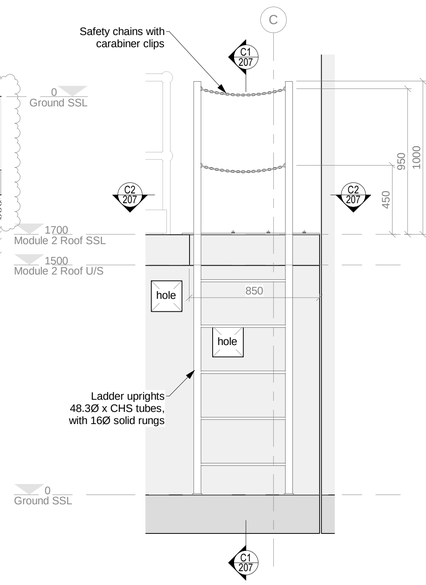
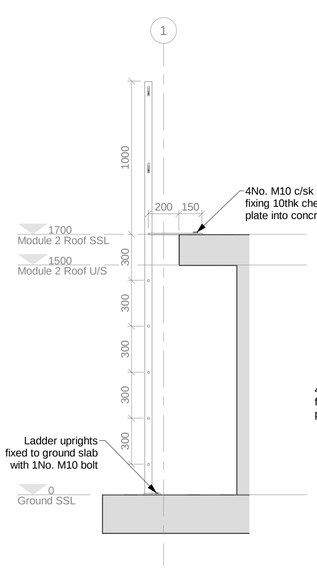
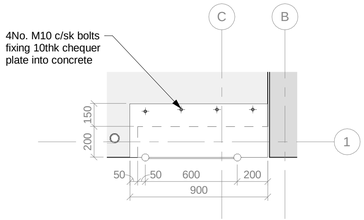


CAT Ladder
Proposed Section C-C
Scale 1 : 20



Proposed Section C1-C1
Scale 1 : 20



Proposed Section C2-C2
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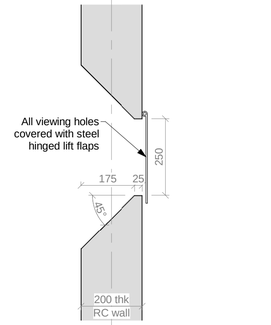
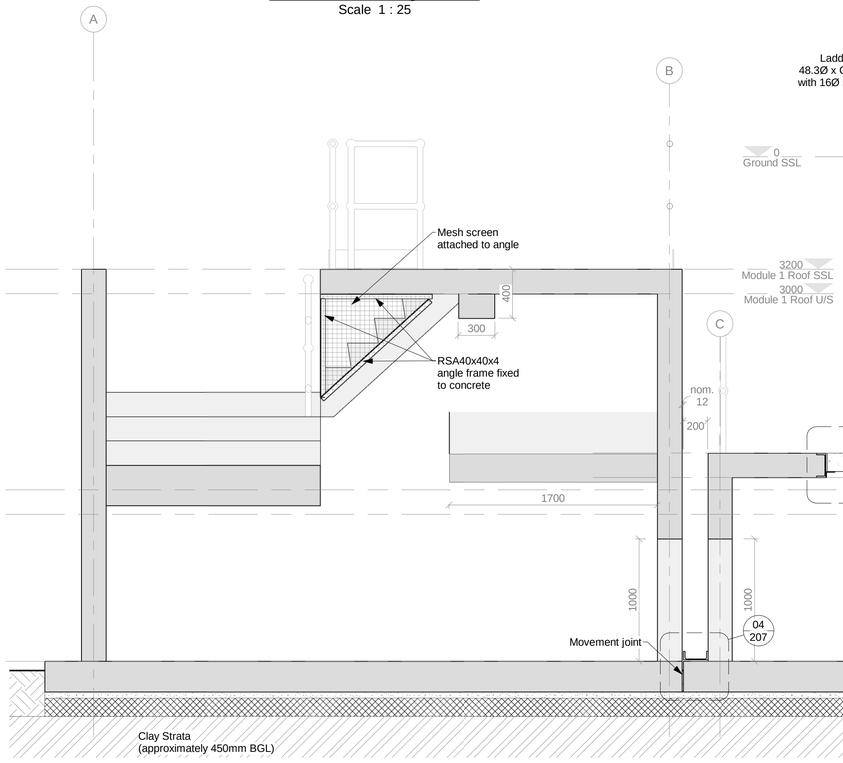
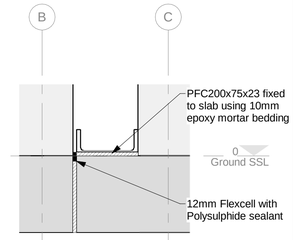


Typical Viewing Hole
Proposed Section A1-A1
Scale 1 : 10



Section B-B
General Arrangement
Scale 1 : 25



Proposed Detail 04
Scale 1 : 10

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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

4) STEELWORK
a) all hot rolled steel S275JO in accordance with BSEN 10025. All hollow sections to be grade S275JOH (internal) in accordance with BSEN 10210
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) batch hot dip galvanise all steelwork to BS EN ISO 1461: 1999

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.

6) CONCRETE POUR SEQUENCE
1 - Rubble pit & crane pad
2 - Build up hardocre & blinding for ground slab
3 - Ground slab with kicker (if necessary)
4 - Walls
5 - Stairs, roof & parapets

Rev.	Date	By	Description
B	21.12.2017	FM	Rubble pit & internal gullies added
A	10.11.2017	FM	Minor amendments from Client's comments
0	04.09.2017	FM	First issue

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Project
Leicestershire Fire & Rescue Service - USAR Training Facility

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

Title
Modules 1, 2 & 3 Sections & Details - General Arrangement (Sheet 01)

Drawing No.	Revision
MAP/C3106/207	B
Project No. C3106	Date 21.12.2017
Drawn by FM	Checked by CM
Scale As indicated	Sheet Size A1

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