KAMPUS

MINTO & TURNER

CONDITION 31 SUBMISSION • SCAFFOLDING

mount anvil

shedkm

document overview + content

This document has been produced in order to satisfy requirements of Condition 31 for Minto & Turner, which states the following:

Before any works necessary to implement the approval commence a methodology and specification for any associated scaffolding including its location, means of affixing to the building, location of any associated fixings to the building, details of how the building fabric would be protected from potential damage as a result of the erection of the scaffolding and details of making good to the building fabric following removal shall be submitted to and approved in writing by the City Council as local planning authority. No development shall commence unless an until the above details have been agreed.

Reason: In the interests of visual amenity and because the proposed works affect a building which is included in the Statutory List of Buildings of Special Architectural or Historic Interest and careful attention to building work is required to protect the character and appearance of this building and to ensure consistency in accordance with policies CC9 and EN3 of the Core Strategy and saved policy DC19.1 of the Unitary Development Plan for the City of Manchester.

The document collates scaffold proposal drawings, information on fixings and associated datasheets prepared by IBN for consideration. Information on proposed fixing type has been issued to/informally discussed with MCC for initial review.

Due to the poor condition of the Listed Building and continued water penetration, the Project Team are looking for partial discharge of the condition relating to advancing scaffolding works in Minto & Turner in order to seal the building and prevent further deterioration. A subsequent document for Minshull House is to follow once scaffolding design have been finalised.

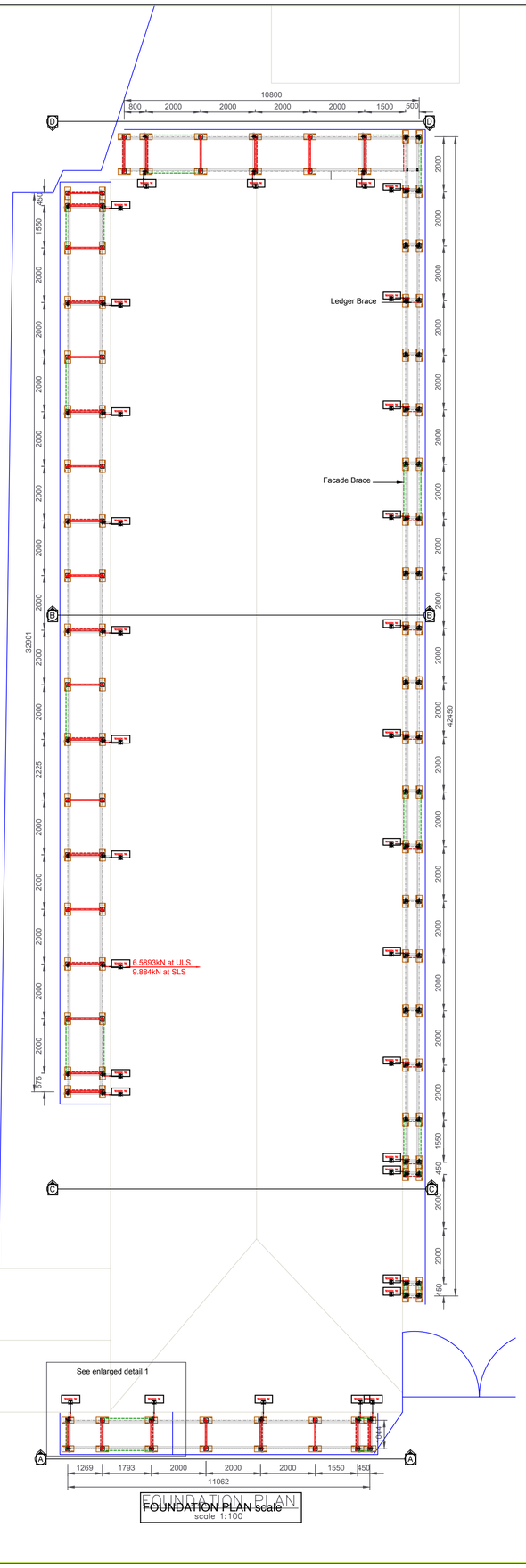
All fixings are to be removed following dismantling of scaffolding, and bricks/joints made good on completion to a high quality standard/finish. Proposals for the latter will be provided under masonry package information to be issued under Condition 3b (External Materials).

MINTO & TURNER • SCAFFOLDING

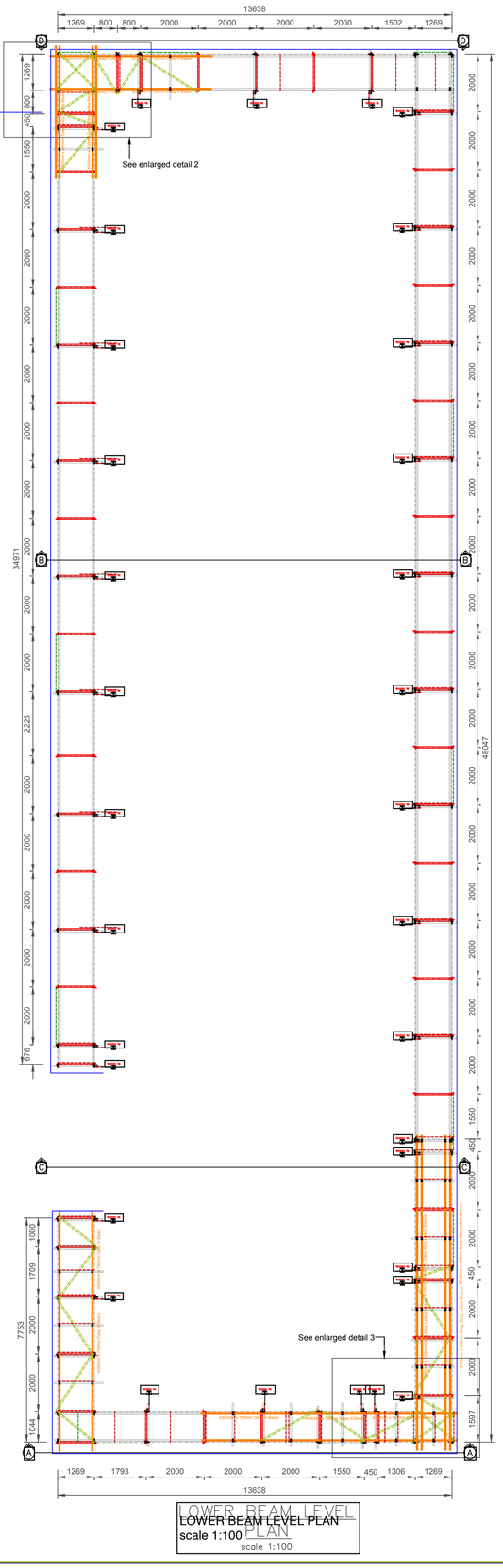
SCAFFOLDING PROPOSALS (IBN)

mount anvil

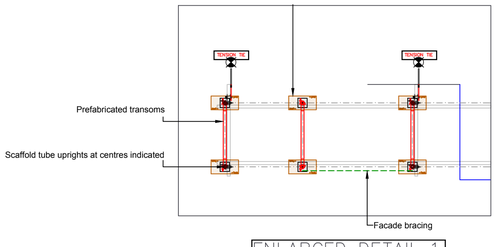
shedkm



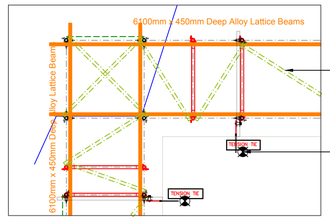
FOUNDATION PLAN scale
scale 1:100



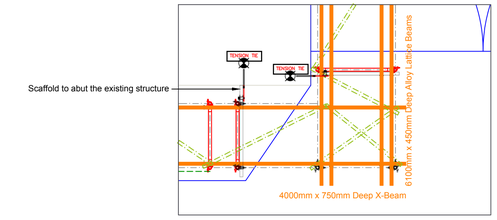
LOWER BEAM LEVEL PLAN scale 1:100
scale 1:100



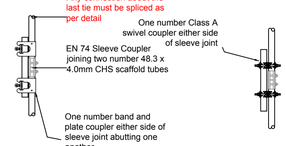
ENLARGED DETAIL 1 scale
scale 1:50



ENLARGED DETAIL 2 scale
scale 1:50

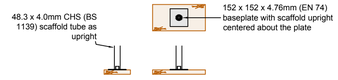


ENLARGED DETAIL 3 scale
scale 1:50

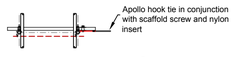


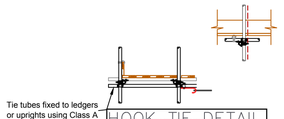
SPLICE DETAIL scale
scale 1:25

BAND AND PLATE TIE DETAIL scale 1:50
scale 1:50

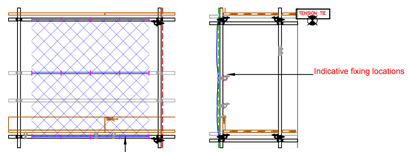


FOUNDATION DETAIL FOR 225 x 38 x 450mm (BS EN 2482)
Scale - 1:25





HOOK TIE DETAIL scale
scale 1:50



TYPICAL CLADDING DETAIL scale 1:50
scale 1:50

RISK – ACCURACIES IN BUILDING LINE CAUSING ACCESS ISSUES
RISK: ACCURACIES IN BUILDING
Control Measure: Prior to erection the scaffold contractor and/or principal contractor should check the existing structure to ensure the scaffold can be based out and erected as detailed and inform Creator Ltd of any discrepancies.

RISK – EXCESSIVE BAY SIZES INSTALLED DURING ERECTION
RISK: EXCESSIVE BAY SIZES
Control Measure: The scaffold contractor must ensure that the maximum bay size installed are as indicated and should not be exceeded. It is the responsibility of the scaffold contractor to remedy any defects.

RISK – OVERLOADING OF SCAFFOLD STRUCTURE
RISK: OVERLOADING
Control Measure: The loads indicated should be closely site managed to ensure that only 2 number of working levels are present at one time. The load conditions of the scaffold should be clearly identified on the scafftag.

RISK – OVERLOADING OF EXISTING STRUCTURE
RISK: OVERLOADING
Control Measure: Principal contractor to employ a structural engineer to ensure the applied loads from the scaffold do not overload the existing structure. Creator Ltd to be contacted where structure is deemed unsafe to support scaffold structure.

RISK – EXCESSIVE LIFT HEIGHTS EXCEEDING
RISK: EXCESSIVE LIFTS
Control Measure: Maximum lift heights to be installed as detailed by the scaffold contractor and have a maximum tolerance of ±100mm

RISK – VEHICULAR COLLISION
RISK: VEHICULAR
Control Measure: Principal contractor to closely site manage, ensure clear signage is installed and where required temporary crash barriers (TCB) to be installed to prevent collision with the scaffold structure

RISK – OVERLOADING OF EXISTING STRATA
RISK: OVERLOADINGS OF
Control Measure: The principal contractor to employ a structural engineer to ensure the applied loads from the scaffold do not overload the existing strata. Creator Ltd to be contacted where strata is deemed unsafe to support scaffold structure.

RISK – CLADDING BLOWING FREE
RISK: CLADDING
Control Measure: Cladding materials or scaffolding are prone to blowing free due to limited capacity of fixings so install cladding on inside of uprights ensuring safer install and less risk of large sheets blowing free and causing hazards external to the site

DOCUMENT REFERENCES

This design is to be read in conjunction with the following design drawings and/or documents;

APPENDIX A - CRE-8657-003_CALCS

APPENDIX B - CRE-8657-003-1,2,3,4,5,6,7,8,GENERAL NOTES_DRG

BAND AND PLATE TIES:
6 number anchors to be tested to the value of 9.884kN in accordance with NASC TG4:11

HOOK TIES:
5 number anchors to be tested to the value of 5.693kN in accordance with NASC TG4:11

LEGEND

- Structural Steel
- Scaffold Beams
- Timber Products / Scaffold Boards
- Building Line
- Facade Brace (Plan, Section)
- Kentledge Hatch
- Ledger Brace (Plan, Elevation)
- Plan Brace (Plan, Section, Elevation)
- Scaffold Centre Line (Plan)
- 48.3mm Diameter Scaffold Tube
- Cladding Material (Sheeting / Netting)
- Splice Detail
- Supplementary Coupler / Check Fitting
- Tie Location (Plan, Section, Elevation) (HOOK TIE, TOGGLE TIE)
- Puncheon
- Upright Cut Off
- Residual Risk
- Ledger Brace (Elevation, Section)
- Facade Brace (Elevation, Section)

* Some of the above 'key' items may not be present in design but are indicated on all designs for conformity.

AMENDMENTS / REVISIONS

REV.	BY.	DATE.	CHECK.	DATE.	APP'D.	DATE.
-	DJB	03/04/18	BMB	03/04/18	RWB	03/04/18

Prepared For:

ibn

Drawing Status:

FOR COMMENT

Project Number:	Page Number:	Scale:
CRE-8657-003A	1	1 : 50,25 @ A1

Project Title/Description:

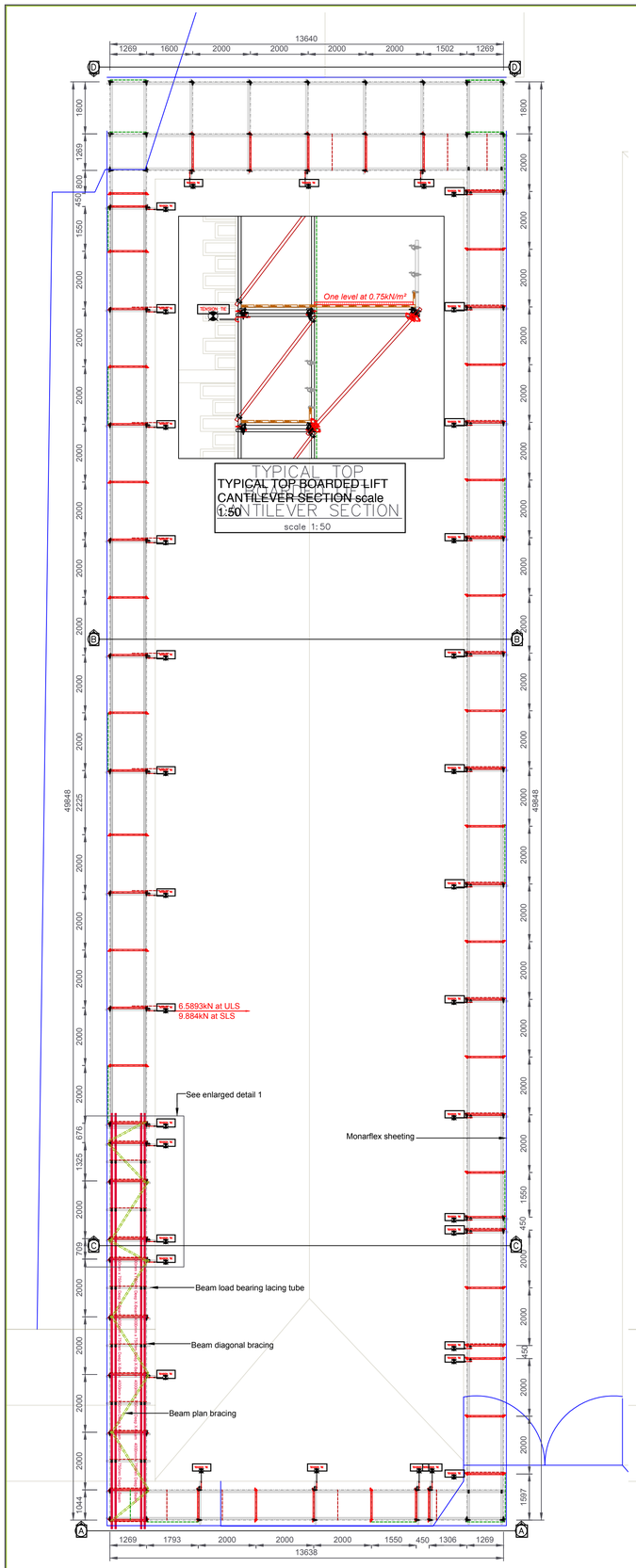
TEMPORARY ROOF
KAMPUS
CHORLTON STREET
MANCHESTER, M1

Principal Contractor:

SEE QUOTE

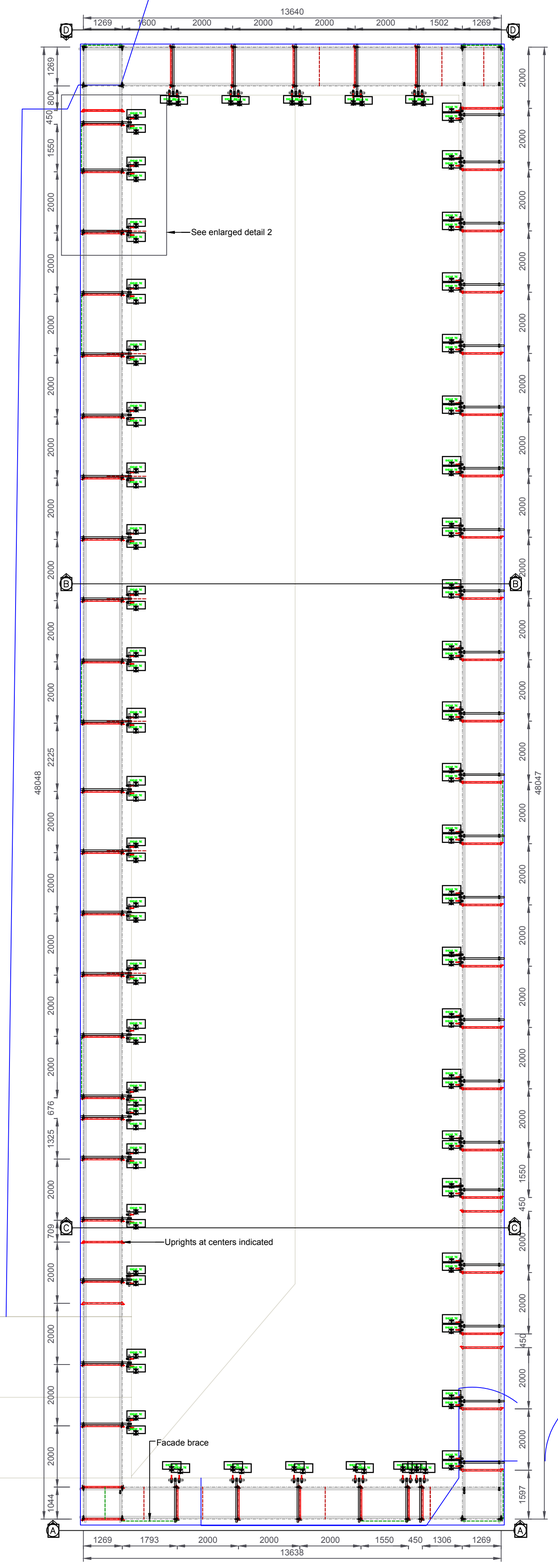
CREATOR SCAFFOLD DESIGNS & TEMPORARY WORKS CONSULTANTS LTD

Company Address:
Fullerton House, Fullerton Road, Rooley Moor, Rochdale, OL12 8SF
Fullerton House
Fullerton Road
www.creator-scaffolddesigns.co.uk



TYPICAL TOP BOARDED LIFT CANTILEVER SECTION scale 1:50

TYPICAL TOP BOARDED LIFT CANTILEVER SECTION
scale 1:50

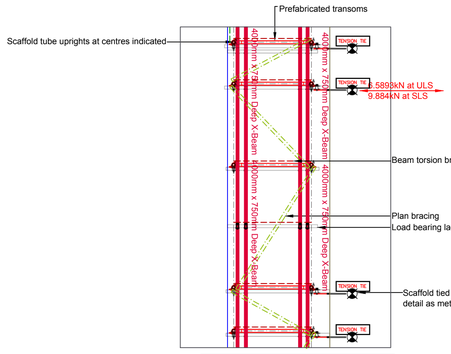


HIGHER BEAM LEVEL PLAN scale 1:100

HIGHER BEAM LEVEL PLAN
scale 1:100

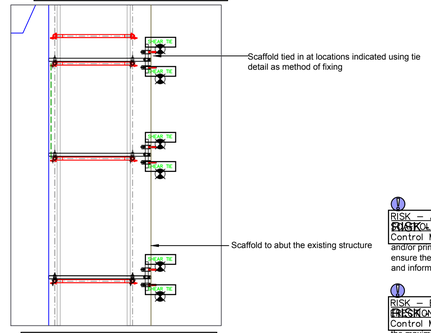
HIGHER SCAFFOLD LEVEL PLAN scale 1:50

HIGHER SCAFFOLD LEVEL PLAN
scale 1:50



ENLARGED DETAIL 1 scale 1:50

ENLARGED DETAIL 1
scale 1:50

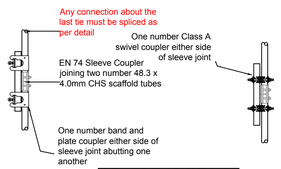


ENLARGED DETAIL 2 scale 1:50

ENLARGED DETAIL 2
scale 1:50

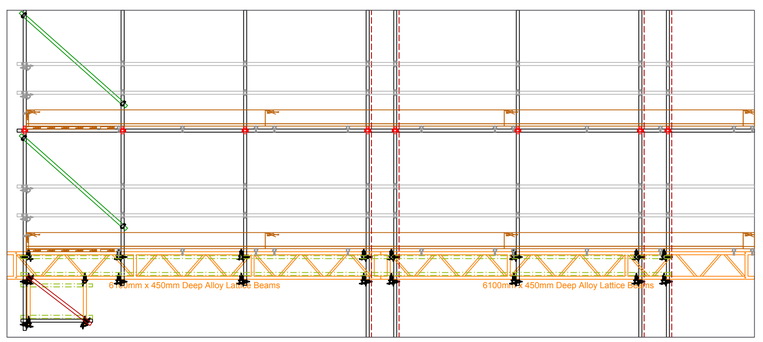
BAND AND PLATE TIES:
6 number anchors to be tested to the value of 9.884kN in accordance with NASC TG4:11

HOOK TIES:
5 number anchors to be tested to the value of 5.693kN in accordance with NASC TG4:11



SPLICE DETAIL scale 1:25

SPLICE DETAIL
scale 1:25



CANTILEVER DETAIL scale 1:50

CANTILEVER DETAIL
scale 1:50

RISK – ACCURACIES IN BUILDING LINE CAUSING
RISK: ACCURACIES IN BUILDING LINE
Control Measure: Prior to erection the scaffold contractor and/or principal contractor should check the existing structure to ensure the scaffold can be based out and erected as detailed and inform Creator Ltd of any discrepancies.

RISK – EXCESSIVE BAY SIZES INSTALLED DURING
RISK: EXCESSIVE BAY SIZES
Control Measure: The scaffold contractor must ensure that the maximum bay size installed are as indicated and should not be exceeded. It is the responsibility of the scaffold contractor to remedy any defects.

RISK – OVERLOADING OF SCAFFOLD STRUCTURE
RISK: OVERLOADING OF
Control Measure: The design service loads indicated should be closely site managed to ensure that only 2 number of working levels are present at one time. The load conditions of the scaffold should be clearly identified on the scafftag.

RISK – OVERLOADING OF EXISTING
RISK: OVERLOADING OF
Control Measure: Principal contractor to employ a structural engineer to ensure the applied loads from the scaffold do not overload the existing structure. Creator Ltd to be contacted where structure is deemed unsafe to support scaffold structure.

RISK – EXCESSIVE LIFT
RISK: EXCESSIVE LIFTING
Control Measure: Maximum lift heights to be installed as detailed by the scaffold contractor and have a maximum tolerance of ±100mm

RISK – VEHICULAR COLLISION
RISK: VEHICULAR COLLISION
Control Measure: Principle contractor to closely site manage, ensure clear signage is installed and where required temporary crash barriers (TCB) to be installed to prevent collision with the scaffold structure

RISK – OVERLOADING OF EXISTING STRATA
RISK: OVERLOADING OF
Control Measure: Principal contractor to employ a structural engineer to ensure the applied loads from the scaffold do not overload the existing strata. Creator Ltd to be contacted where strata is deemed unsafe to support scaffold structure.

RISK – CLADDING BLOWING FREE
RISK: CLADDING
Control Measure: Cladding materials for scaffolding are prone to blowing free due to limited capacity of fixings so install cladding on inside of uprights ensuring safer install and less risk of large sheets blowing free and causing hazards external to the site

DOCUMENT REFERENCES

This design is to be read in conjunction with the following design drawings and/or documents;

APPENDIX A - CRE-8657-003_CALCS

APPENDIX B - CRE-8657-003-1,2,3,4,5,6,7,8,GENERAL NOTES_DRG

LEGEND

- Structural Steel
- Scaffold Beams
- Timber Products / Scaffold Boards
- Building Line
- Facade Brace (Plan, Section)
- Kentledge Hatch
- Ledger Brace (Plan, Elevation)
- Plan Brace (Plan, Section, Elevation)
- Scaffold Centre Line (Plan)
- 48.3mm Diameter Scaffold Tube
- Cladding Material (Sheeting / Netting)
- Splice Detail
- Supplementary Coupler / Check Fitting
- Tie Location (Plan, Section, Elevation)
- Puncheon
- Upright Cut Off
- Residual Risk
- Ledger Brace (Elevation, Section)
- Facade Brace (Elevation, Section)

* Some of the above 'key' items may not be present in design but are indicated on all designs for conformity.

AMENDMENTS / REVISIONS

REV.	BY.	DATE.	CHECK.	DATE.	APP'D.	DATE.
-	DJB	03/04/18	MDB	03/04/18	RWB	03/04/18

Proposal Ref:

ibn

Drawing Status:

FOR COMMENT

Project Number:	Page Number:	Scale:
CRE-8657-003A	2	1 : 50,25 @ A1

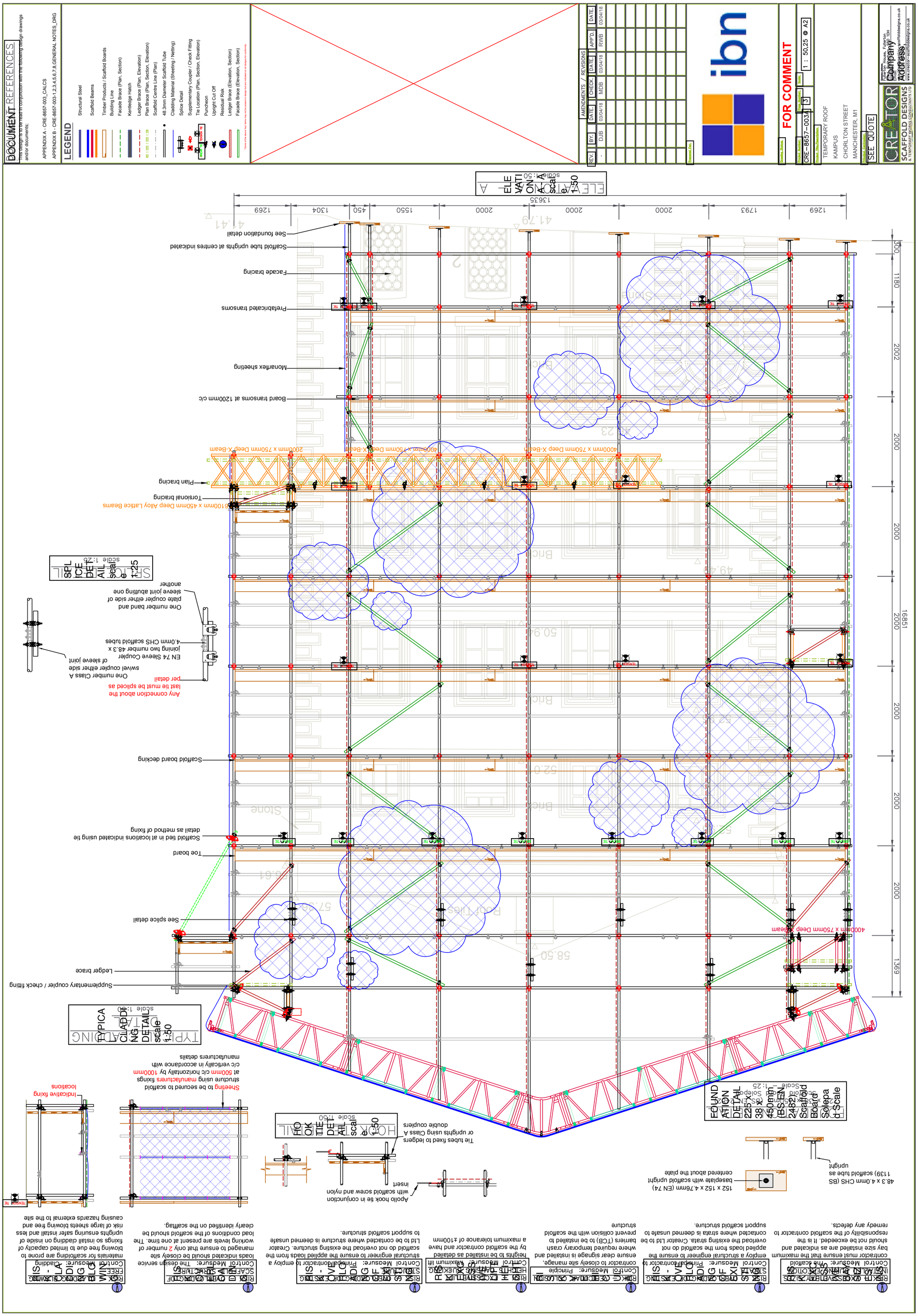
Project Title/Description:

TEMPORARY ROOF
KAMPUS
CHORLTON STREET
MANCHESTER, M1

Principal Contractor:

SEE QUOTE

CREATOR SCAFFOLD DESIGNS & TEMPORARY WORKS CONSULTANTS LTD
Company Address: Fullerton House, Fullerton Road, Rooley Moor, Rochdale, OL12 8AP
www.creator-scaffolddesigns.co.uk



DOCUMENT REFERENCES
This design is to be read in conjunction with the following design drawings and/or documents;
APPENDIX A - CRE-8657-003_CALCS
APPENDIX B - CRE-8657-003-1,2,3,4,5,6,7,8,GENERAL NOTES_DRG
LEGEND
Structural Steel
Scaffold Beams
Timber Products / Scaffold Boards
Building Line
Facade Brace (Plan, Section)
Kentledge Hatch
Ledger Brace (Plan, Elevation)
Plan Brace (Plan, Section, Elevation)
Scaffold Centre Line (Plan)
48.3mm Diameter Scaffold Tube
Cladding Material (Sheeting / Netting)
Splice Detail
Supplementary Coupler / Check Fitting
Tie Location (Plan, Section, Elevation)
Puncheon
Upright Cut Off
Residual Risk
Ledger Brace (Elevation, Section)
Facade Brace (Elevation, Section)
AMENDMENTS / REVISIONS
REV. BY. DATE. CHECK. DATE. APP'D. DATE.
- DJB 03/04/18 MDB 03/04/18 RWB 03/04/18
ibn
FOR COMMENT
CRE-8657-003A 3
1 : 50,25 @ A2
TEMPORARY ROOF
KAMPUS
CHORLTON STREET
MANCHESTER, M1
SEE QUOTE
CREATOR
SCAFFOLD DESIGNS
& TEMPORARY WORKS CONSULTANTS LTD
Company Address
Fullerton House, Fullerton Road, Rochester, Kent, ME2 1DH
Email: info@creatorscaffoldesigns.co.uk
www.creator-scaffoldesigns.co.uk
ELEVATION A scale 1:50
ELEVATION A scale 1:50
See foundation detail
Scaffold tube uprights at centres indicated
Facade bracing
Prefabricated transoms
Monarflex sheeting
Board transoms at 1200mm c/c
2000mm x 750mm Deep X-Beam
4000mm x 750mm Deep X-Beam
Plan bracing
Torsional bracing
6100mm x 450mm Deep Alloy Lattice Beams
SPLICE DETAIL scale 1:25
One number band and plate coupler either side of sleeve joint abutting one another
One number Class A swivel coupler either side of sleeve joint
EN 74 Sleeve Coupler joining two number 48.3 x 4.0mm CHS scaffold tubes
Any connection about the last tie must be spliced as per detail
Scaffold board decking
Scaffold tied in at locations indicated using tie detail as method of fixing
Toe board
See splice detail
Ledger brace
Supplementary coupler / check fitting
4000mm x 750mm Deep X-Beam
TYPICAL CLADDING DETAIL scale 1:50
FOUNDATION DETAIL 225 x 38 x 450mm (BS EN 2482) Scaffold Board Solepad Scale 1:25
HOOK TIE DETAIL scale 1:50
Tie tubes fixed to ledgers or uprights using Class A double couplers
Apollo hook tie in conjunction with scaffold screw and nylon insert
Sheeting to be secured to scaffold structure using manufacturers fixings at 500mm c/c horizontally by 1000mm c/c vertically in accordance with manufacturers details
Indicative fixing locations
48.3 x 4.0mm CHS (BS 1139) scaffold tube as upright
152 x 152 x 4.76mm (EN 74) baseplate with scaffold upright centered about the plate