

Section F-F (Phase 1)

DIMENSIONS

LIMITED SURVEY DRAWINGS SUPPLIED THEREFORE ALL BUILDING DIMENSIONS ARE APPROXIMATE. ALL DIMENSIONS TO BE CHECKED PRIOR TO ERECTION

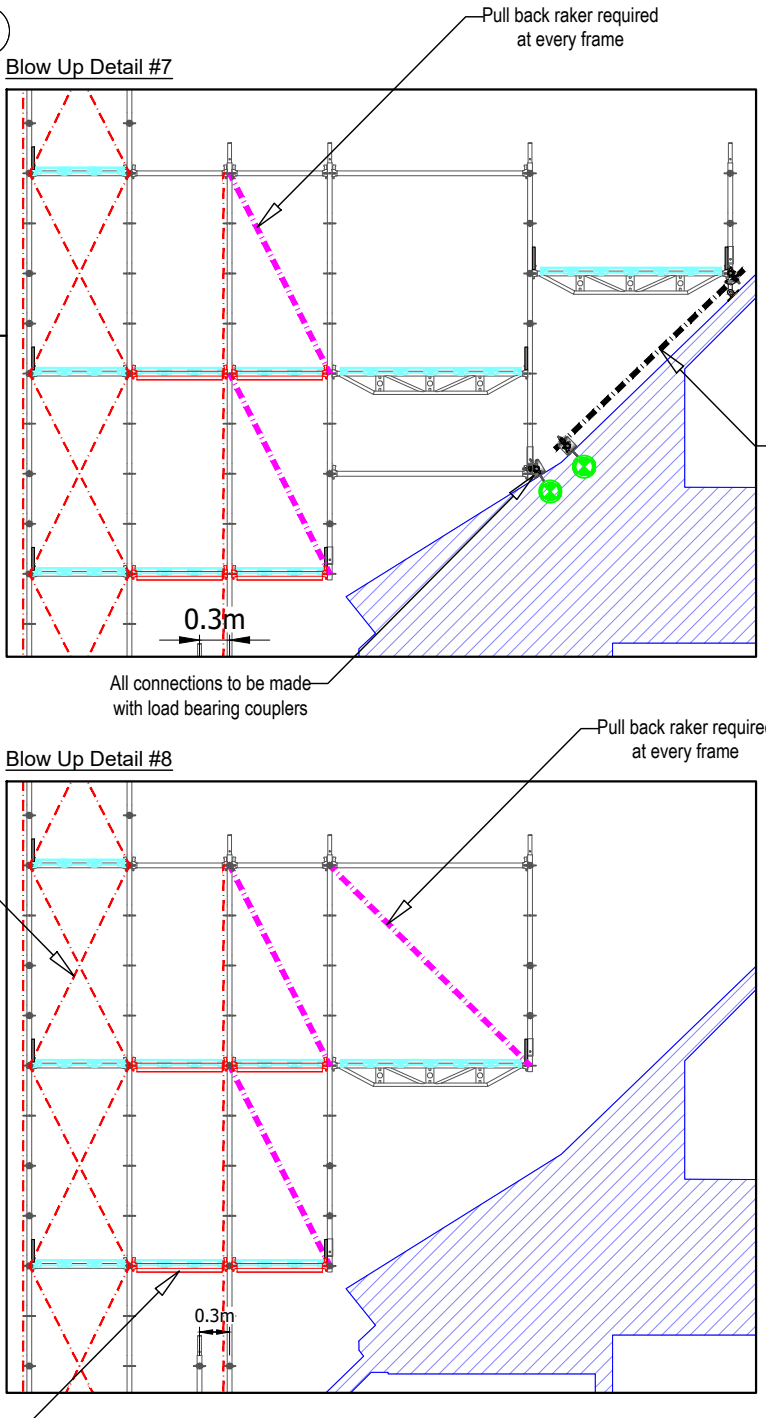
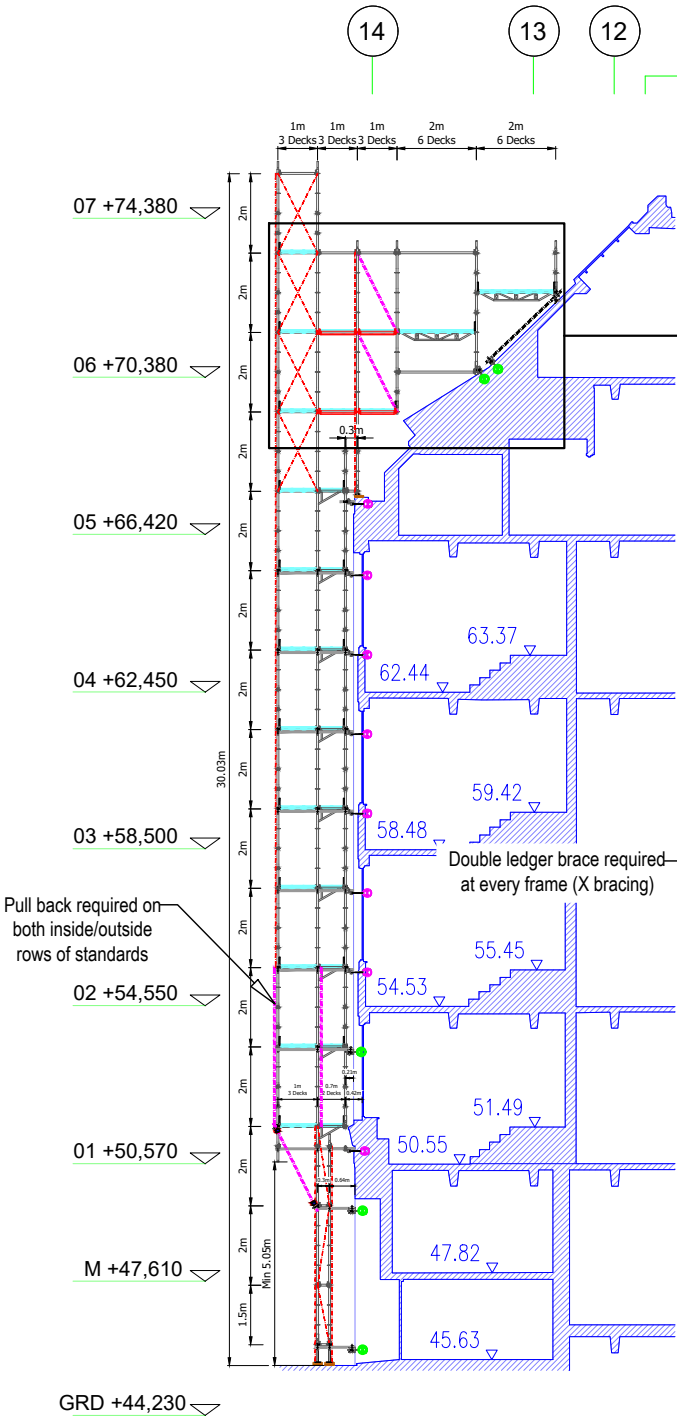
Section F-F (Phase 2)

RISK

Principal contractor to confirm ground is capable of supporting imposed loads

CDM REGULATIONS 2015

The Construction (design & management) Regulations 2015, Require that we make customers aware of their duties imposed by the regulations. Guidance on your duties are published by the HSE in the form of an approved code of practice.



RISK

Principal contractor to confirm structure is capable of supporting imposed loads

TG4:19

Scaffold tie arrangements must be erected/tested in accordance with the guidance notes set out in TG4:19 (Anchorage Systems for Scaffolding)

RISK

Scaffold operatives must have a safe system of work in place when working on leading edges to ensure they are clipped on at all times

TG4:19 (TIE TESTING REQUIREMENTS)

- Preliminary Load Test - This anchor to 2 x 8.42kN = 16.84kN if the preliminary load test is successful, then apply the proof test load to the supporting anchors. 1.25 x 8.42kN = 10.53kN 'pull out'.
- Should the test load fall below the above figures, then the tying configuration to be re-evaluated.

RISK

Scaffold operatives must have a safe system of work in place when working on beams to ensure they are clipped on at all times

SG4:22

The scaffolders MUST erect the scaffolding in accordance with the guidance notes set out in SG4:22

RISK

Exact construction of roof unknown. The principal contractor must confirm structure is capable of supporting all imposed loads

LADDER ACCESS

LADDER ACCESS TO BE INSTALLED IN ACCORDANCE WITH SG25:20 (omitted for clarity)

RISK

Scaffold contractor to include in their RAMS identification of skylight risks & eliminate

PEDESTRIAN PROTECTION

PROTECTION TO THE PUBLIC MUST BE MAINTAINED IN ACCORDANCE WITH SG34:17 & TG20:21

RISK

Scaffold contractor to include in their RAMS safe system of working on the roof

RISK

ALL DECKS TO BE ADEQUATELY SECURED IN THE EVENT OF HIGH WINDS

RISK

Scaffold contractor to include in their RAMS safe system of working on the roof

CLASS B COUPLERS

ALL CONNECTIONS TO BE MADE WITH CLASS B COUPLERS CLASS B COUPLER: SWL = 9.1kN

SHEAR TIE REQUIREMENTS

Band & Plate shear tie arrangements MUST be fixed to the wall, inline with the details below

- Bolt Type: ADI, Self Tapping Bolt
- Bolt Size: 130mm (length) - 12mm Ø Diameter
- Minimum Hole Depth: 115mm
- Minimum Embedment Depth: 90mm
- SWL (shear): 15kN per bolt - (tension): 13kN
- Spacing Distance: Minimum 400mm

SYSTEM STAIR TOWER

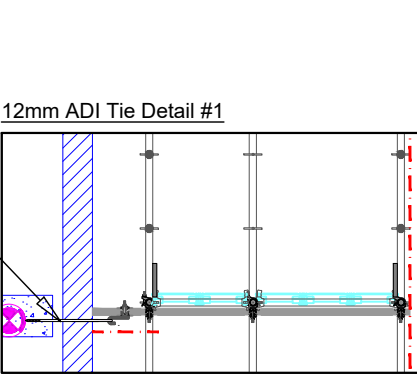
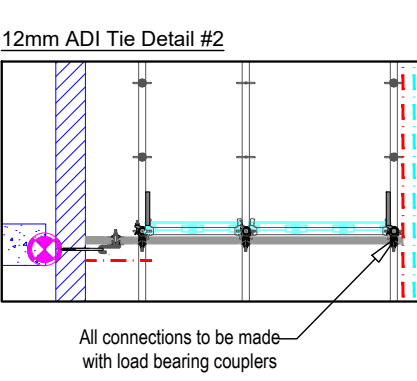
ALL CLEARANCES REQUIRED AROUND SYSTEM STAIR TOWERS TO BE CONFIRMED PRIOR TO ERECTION. TO ELIMINATE POTENTIAL CLASHES WITH THE SURROUNDING ENVIRONMENT

TIE RISK

EXACT TIE LOCATIONS TO BE CONFIRMED ON SITE. CURRENT LOCATIONS SHOWN INDICATIVELY. TIES MUST BE INSTALLED WITH AN ADEQUATE CLEARANCE FROM ALL DECORATIVE/ARCHITECTURAL FEATURES

METRIX SYSTEM SCAFFOLD

Exact standard locations may vary on site, however max bay lengths (2.5m) & widths (1m) must not be exceeded. Metrix system scaffold must be erected & dismantled in accordance with manufacturers guidelines & recommendations



Fundamental Notes

- Max bay length 2.5m
- Max bay width 3 decks (Independent) - 6 Decks (Mansard Access Scaffold)
- Max transom spacing N/A
- Max lift height 2m
- All connections except board bearers to be made using load bearing fittings
- Exact standard locations may vary on site, however max bay lengths/widths etc must not be exceeded
- Max tie grid - As Shown

Exact Cantilever section to be determined by Connolly stock items

Doorways to be kept clear at all times

Band & Plate/Saddle Clamp Visual

Swivel Jack Visual

12mm ADI SCE Restraint Eye & 100mm nylon insert with minimum 85mm embedment depth. 12mm Ø drill bit required in concrete & brick

For Sole Pad Arrangement please refer to BDS 10313 - 06 - Latest Revision

Client:

MAXIMUM LOADINGS

Independent - 1no. Lift - 2kN/m² (200kg/m²)
Independent - 1no. Lift - 1kN/m² (100kg/m²)
All inside decks at - 0.75kN/m² (75kg/m²)
Bolt on Stair Tower - 1.5kN/m² (150kg/m²)
Mansard Access Scaffold Phase One - 1.5kN/m² (150kg/m²)
Mansard Access Scaffold Phase Two - 0.75kN/m² (75kg/m²)

THESE LOADINGS MUST NOT BE EXCEEDED
All Loadings Unfactored
No alterations which may affect the scaffolds structural stability to be made without prior written notice from BDS Ltd

Construction Issue

Project: Rylands Building, Manchester

Drawing Title: External Independent Access Scaffold with Stair Access Scaffold to Bridgewater Place

Drawn by: Adam McCann Calculations by: J Hollingworth Draft: 20/10/2023

Signed: [Signature] Signed: [Signature] Approval: 10/11/2023

Construction: 23/11/2023

Checked by: Mike Brown Date: 31/07/2024

Signed: [Signature]

Drawing No. BDS-10313-05

Revision C

A Beam Span Introduced, Catch Fan Amended & Drawing Issued For Approval 10/11/2023

B Drawing Issued For Construction 23/11/2023

C Tie Information Introduced 31/07/2024

D N/A N/A

E N/A N/A

Notes:

This drawing is confidential and is the exclusive property of BDS Ltd. No unauthorised use, copy or disclosure is to be made, and is to be returned upon request.

The customer should check that we have correctly interpreted his/her requirements, and that all loadings, details, erection & dismantling sequences etc, are correct and practicable.

The Main Contractor is to ensure the ground, structure and/or base provided for our scaffold, is adequate to support the imposed loads applied, including the provision for any necessary spreaders.

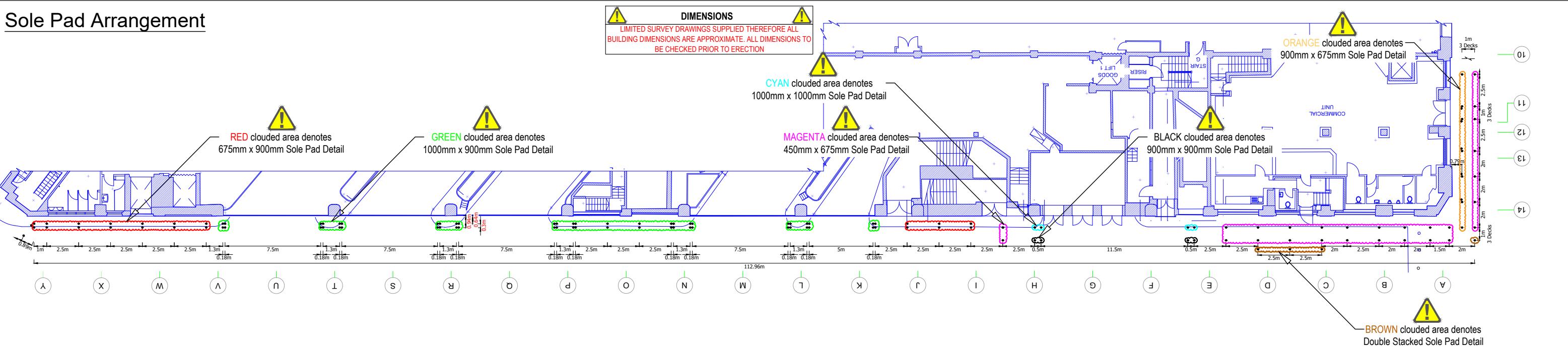
The design and erection of scaffolds are to conform with the following British Standards and Codes of Practice:

- BS1139 Metal Scaffolding
- BS2482 Specification for Timber Boards
- BS EN 12811-1 Codes of Practice for Access and Working Scaffolds and Special Scaffold Structures in Steel
- BS EN 12812-1:2008 Falsework: Performance requirements & general design
- TC20:21 Guide to Good Practice for Scaffolding with Tube and Fittings
- BS EN 1991-1-1:2002 Eurocode: Actions on Structures - Densities, Self-weight and Imposed Loads
- BS EN 1991-1-4:2005 Eurocode: Actions on Structures - Wind
- BS EN 13374:2013 Temporary edge protection systems - Product specification, test methods.

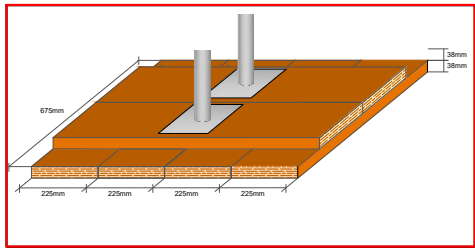
Please print all drawings in colour A3 min

Drawing not to scale dimensions as per drawing

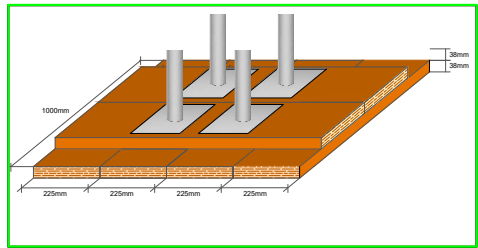
Sole Pad Arrangement



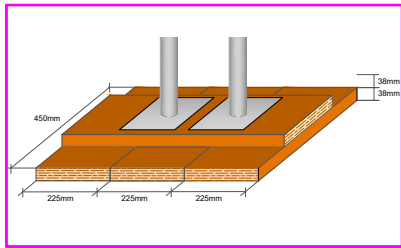
675mm x 900mm Sole Pad Detail
(RED Clouded Area)



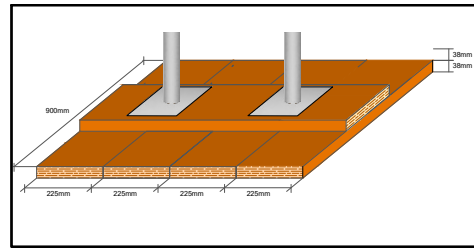
1000mm x 900mm Sole Pad Detail
(GREEN Clouded Area)



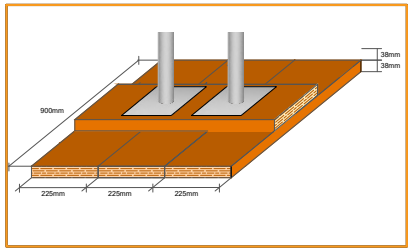
450mm x 675mm Sole Pad Detail
(MAGENTA Clouded Area)



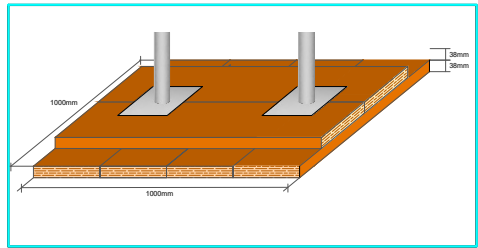
900mm x 900mm Sole Pad Detail
(Black Clouded Area)



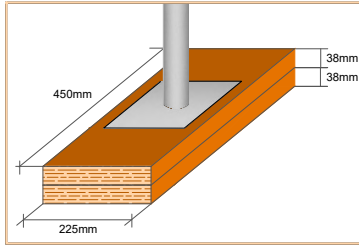
900mm x 675mm Sole Pad Detail
(ORANGE Clouded Area)



1000mm x 1000mm Sole Pad Detail
(CYAN Clouded Area)



Double Stacked Sole Pad Detail



TIE RISK
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3. Max transom spacing N/A
4. Max lift height 2m
5. All connections except board bearers to be made using load bearing fittings
6. Exact standard locations may vary on site, however max bay lengths/widths etc must not be exceeded
7. Max tie grid - As Shown

Doorways to be kept clear at all times

RISK ADEQUATE TRAFFIC MANAGEMENT MUST BE IN PLACE WHERE SCAFFOLD STRUCTURE CAUSES A RISK FOR MOVING PLANT
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Signed:	Signed:	Approval: 10/11/2023
Checked by: Mike Brown		Construction: 23/11/2023
Signed:		Date: 31/07/2024

Drawing No.
BDS-10313-06

A	Beam Span Introduced, Catch Fan Amended & Drawing Issued For Approval	10/11/2023
B	Drawing Issued For Construction	23/11/2023
C	Tie Information Introduced	31/07/2024
D	N/A	N/A
E	N/A	N/A

Revision

C

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