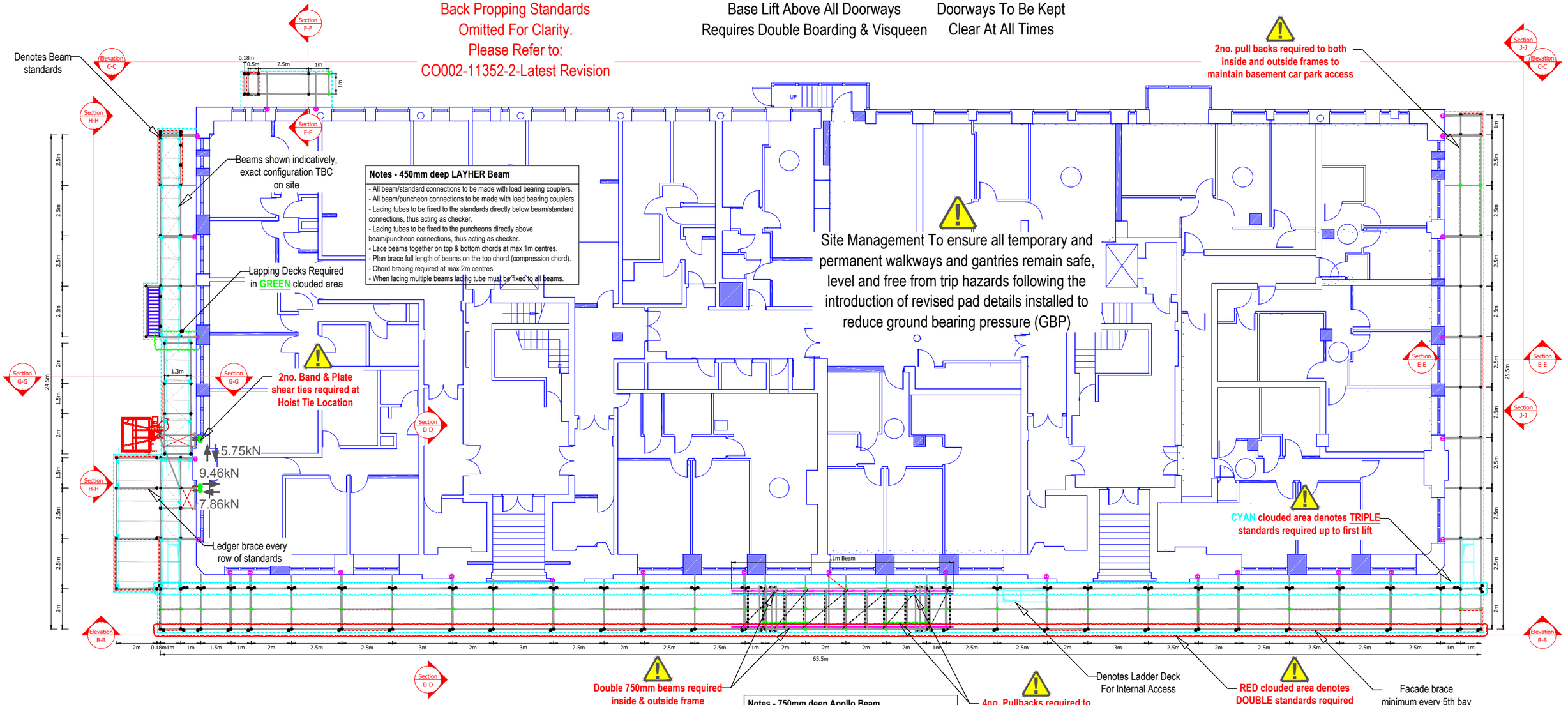
Plan A-A

⚠ Decks omitted for clarity

⚠ Back Propping Standards Omitted For Clarity. Please Refer to: CO002-11352-2-Latest Revision

⚠ Base Lift Above All Doorways Requires Double Boarding & Visqueen

⚠ Doorways To Be Kept Clear At All Times



BAND & PLATE TIE, BOLT SPECIFICATION

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

- Bolt Type: ADI, CSB Self Tapping Concrete Bolt
- Bolt Size: 130mm (length) - 12mm Ø Diameter
- Minimum Hole Depth: 115mm
- Minimum Embedment Depth: 90mm
- Bolt SWL: (shear) 20.25kN per bolt - (tension): 9.50kN
- Spacing Distance: Minimum 160mm (shear) - 90mm (tension)
- Edging Distance: Minimum 300mm (shear) - 80mm (tension)

TG4:25 (BAND & PLATE TIE, BOLT TESTING REQUIREMENTS) (Shear)

- Preliminary Load Test - ADI CSB anchor bolt to 2 x 2.88kN = 5.74kN
- Should the test load fall below the above figures, then the tying configuration needs to be re-evaluated.

TG4:19 (TIE TESTING REQUIREMENTS)

- Preliminary Load Test - This anchor to 2 x 3.93kN = 7.86kN If the preliminary load test is successful, then apply the proof test load to the supporting anchors. 1.25 x 3.93kN = 4.91kN 'pull out'.
- Should the test load fall below the above figures, then the tying configuration to be re-evaluated.

Legend

- Tube
- 750mm Beam
- Beam Bracing
- Debris Netting
- Sheeting
- Visqueen Sheeting
- Pull Back Racker
- Bracing
- Standard
- Puncheon
- Beam Standards
- 12mm Apollo ASS
- Shear Tie
- Contact Coupler
- New Back Propping Standard

Notes - 750mm deep Apollo Beam

- All beam/standard connections to be made with load bearing couplers.
- All beam/puncheon connections to be made with load bearing couplers.
- Lacing tubes to be fixed to the standards directly below beam/standard connections, thus acting as checker.
- Lacing tubes to be fixed to the puncheons directly above beam/puncheon connections, thus acting as checker.
- 'X' brace & Lace beams together on top & bottom chords at max 1m centres.
- Plan brace full length of beams on the compression chord.
- When lacing multiple beams lacing tube must be fixed to all beams.

SG4:22

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

PEDESTRIAN PROTECTION

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

RISK

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

METRIX SYSTEM SCAFFOLD

Exact standard locations may vary on site, however max bay lengths (3.0m) & widths (1m) must not be exceeded. Metrix system scaffold must be erected & dismantled in accordance with manufacturers guidelines & recommendations

CLASS B COUPLERS

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

SYSTEM STAIR TOWER

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

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.

TG4:19

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

TG4:19 (TIE TESTING REQUIREMENTS)

- Preliminary Load Test - This anchor to 2 x 6.12kN = 12.24kN If the preliminary load test is successful, then apply the proof test load to the supporting anchors. 1.25 x 6.12kN = 7.65kN 'pull out'.
- Should the test load fall below the above figures, then the tying configuration to be re-evaluated.

DIMENSIONS

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

RISK

Principal contractor to confirm structure is capable of supporting imposed loads

RISK

Principal contractor to confirm ground is capable of supporting imposed loads

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

Fundamental Notes

1. Max bay length 3m (Independent) - 2.5m (Loading Bay & Roof Saddle) - 1.75m (Roof Canopy)
2. Max bay width 1m (Independent) - 2m (Loading Bay) - 1.5m (Roof Saddle) 1.75m (Roof Canopy)
3. Max transom spacing N/A (Independent, Loading Bay, Roof Saddle) - 0.88m (Roof Canopy)
4. Max lift height 2m - 2.7m (Base Lift)
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

Client: CONNOLLY Scaffolding Ltd

MAXIMUM LOADINGS

Independent - 1no. Lift	- 2kN/m² (200kg/m²)
All inside decks at	- 0.75kN/m² (75kg/m²)
Loading Bay	- 2kN/m² (200kg/m²)
Roof Saddle	- 1.5kN/m² (150kg/m²)
Hoist Arm	- Max 200kg

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

Construction Issue

Project: India House, Manchester
Drawing Title: External Access Scaffold

Drawn by: Hayden Allan	Calculations by: Joe Rigby	Draft: 03/06/2025
Signed:	Signed: J.Rigby	Approval: 27/10/2025
		Construction: 30/03/2026
Checked by: Mike Brown		Date: 22/05/2026
Signed:		

Drawing No. CO002 -11385-1-Rev-M
Page No. 1

Revision		
H	Hoist Change	18/03/2026
J	Scaffold Reconfiguration Inline With Comments Dated 27/03/2026	27/03/2026
K	Beams Introduced At kicker lift	13/04/2026
L	Pad Detail Revised	24/04/2026
M	Beam Span Introduced (Elevation B-B)	22/05/2026

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.

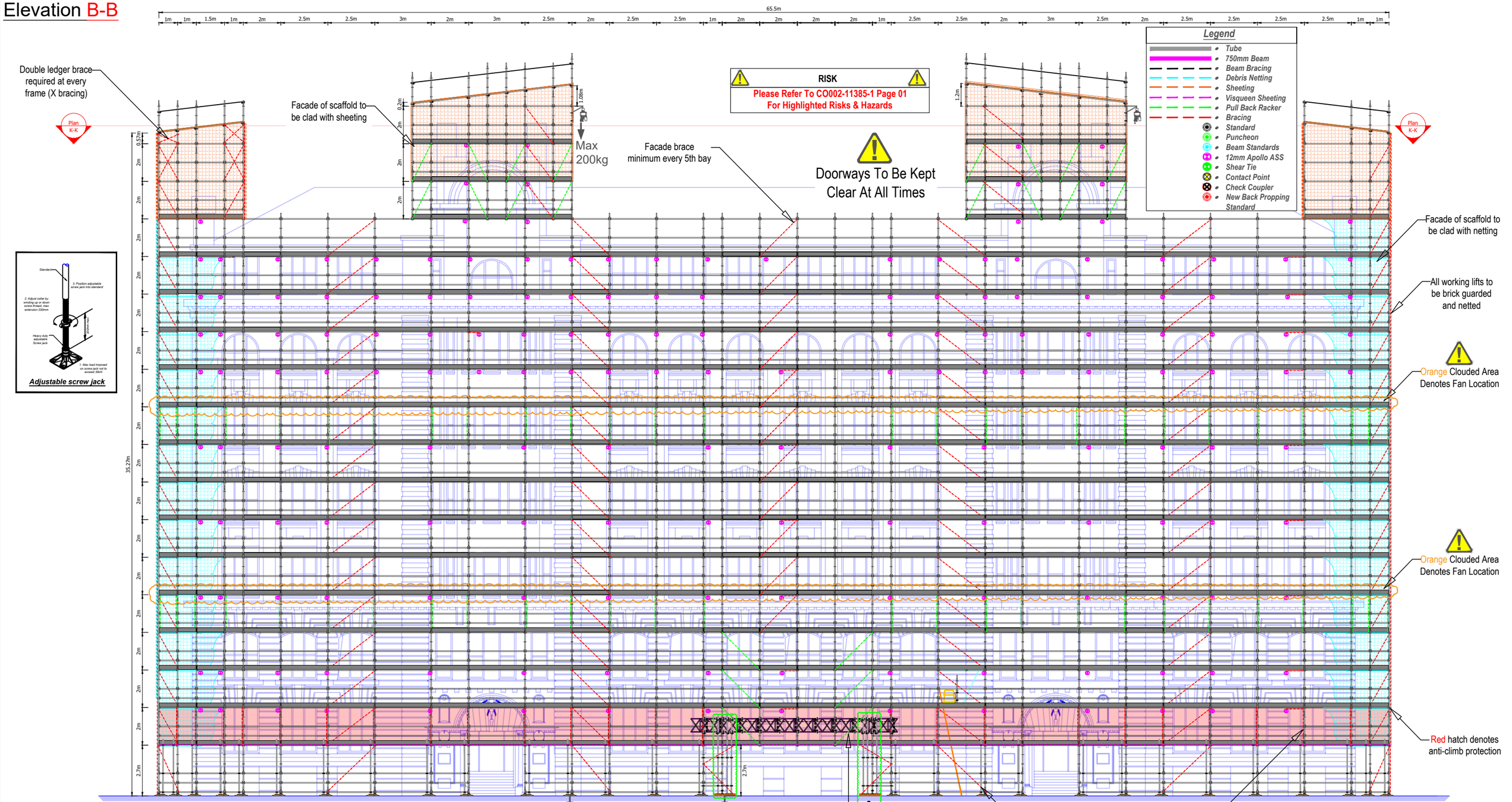
The design and erection of scaffolds are to conform with the following British Standards and Codes of Practice:
BS1139 Metal Scaffolding
BS2482 Specification for Timber Boards
BS EN 12811-1 Codes of Practice for Access and Working Scaffolds and Special Scaffold Structures in Steel
BS EN 12812-1:2008 Falsework: Performance requirements & general design
TG20:21 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.

BDS SCAFFOLD DESIGN SPECIALISTS
T: 0800 270 7998 E: info@buckleydesigns.co.uk

⚠ Please print all drawings in colour A3 min

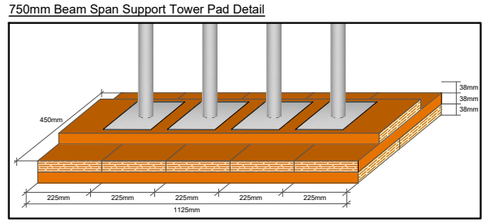
Drawing not to scale
dimensions as per drawing

Elevation B-B



Adjustable screw jack

750mm Beam Span Support Tower Pad Detail



Fundamental Notes

1. Max bay length 3m (Independent) - 2.5m (Loading Bay & Roof Saddle) - 1.75m (Roof Canopy)
2. Max bay width 1m (Independent) - 2m (Loading Bay) - 1.5m (Roof Saddle) 1.75m (Roof Canopy)
3. Max transom spacing N/A (Independent, Loading Bay, Roof Saddle) - 0.88m (Roof Canopy)
4. Max lift height 2m - 2.7m (Base Lift)
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

Client:

CONNOLLY Scaffolding Ltd

MAXIMUM LOADINGS

Independent - 1no. Lift	- 2kN/m² (200kg/m²)
All inside decks at	- 0.75kN/m² (75kg/m²)
Loading Bay	- 2kN/m² (200kg/m²)
Roof Saddle	- 1.5kN/m² (150kg/m²)
Hoist Arm	- Max 200kg

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

Construction Issue

Project: India House, Manchester

Drawing Title: External Access Scaffold

Drawn by: Hayden Allan	Calculations by: Joe Rigby	Draft: 03/06/2025
Signed:	Signed: J.Rigby	Approval: 27/10/2025
		Construction: 30/03/2026
Checked by: Mike Brown		Date: 22/05/2026
Signed:		

Drawing No. CO002 -11385-1-Rev-M

Page No. 2

		Revision
H	Hoist Change	18/03/2026
J	Scaffold Reconfiguration Inline With Comments Dated 27/03/2026	27/03/2026
K	Beams Introduced At kicker lift	13/04/2026
L	Pad Detail Revised	24/04/2026
M	Beam Span Introduced (Elevation B-B)	22/05/2026

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
TG20:21 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.

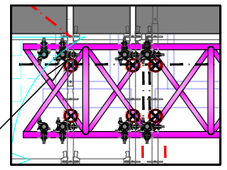
BDS SCAFFOLD DESIGN SPECIALISTS
T: 0800 270 7998 E: info@buckleydesigns.co.uk

Please print all drawings in colour A3 min

Drawing not to scale
dimensions as per drawing

Elevation C-C

Connection Detail #1



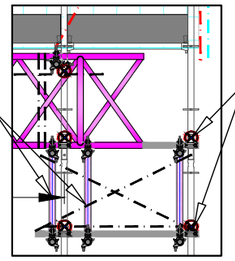
Check coupler required below each principal connection

Notes - 750mm deep Apollo Beam

- All beam/standard connections to be made with load bearing couplers.
- All beam/puncheon connections to be made with load bearing couplers.
- Lacing tubes to be fixed to the standards directly below beam/standard connections, thus acting as checker.
- Lacing tubes to be fixed to the puncheons directly above beam/puncheon connections, thus acting as checker.
- 'X' brace & Lace beams together on top & bottom chords at max 1m centres.
- Plan brace full length of beams on the compression chord.
- When lacing multiple beams lacing tube must be fixed to all beams.

Connection Detail #2

2no. 750mm beams required to inside line



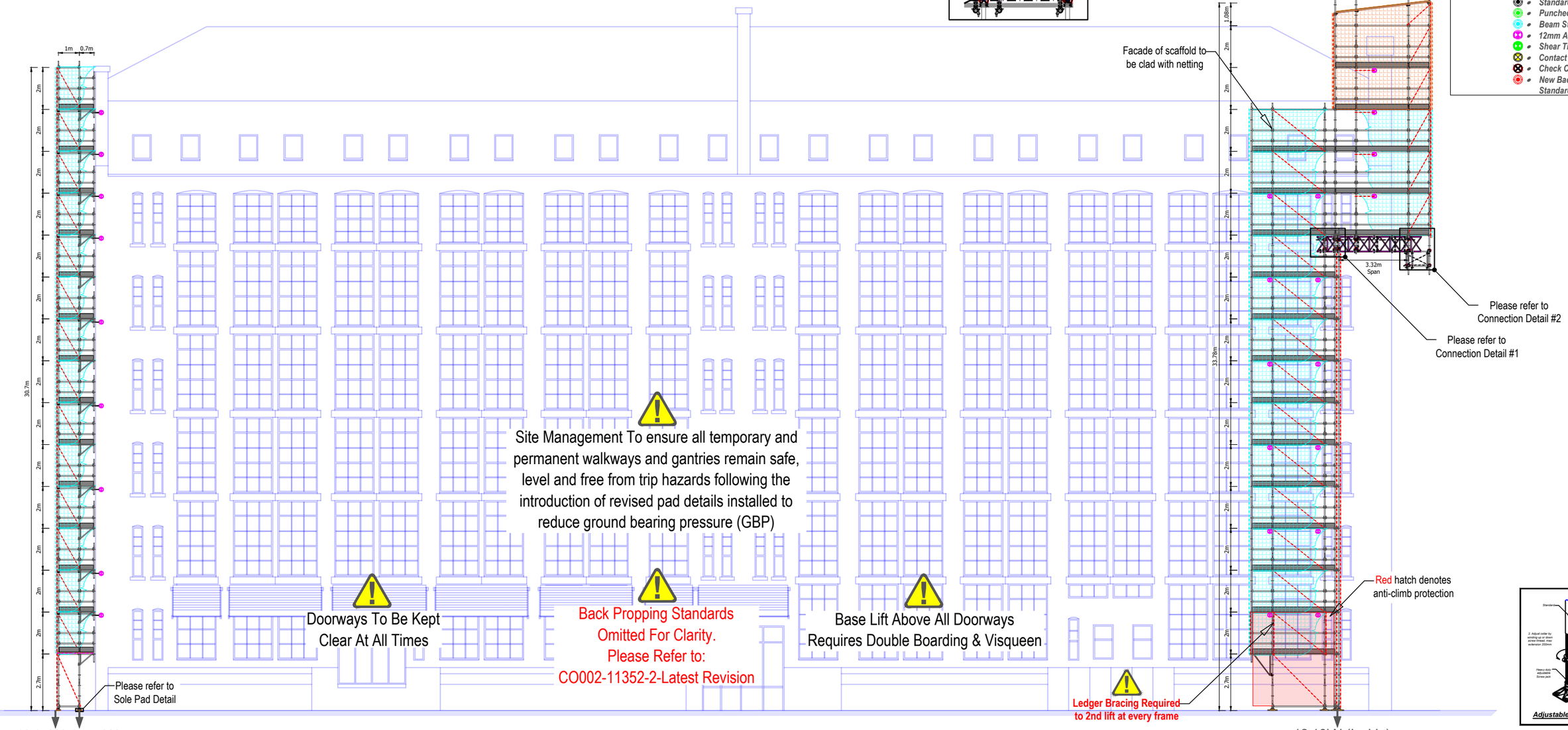
Check coupler required above each principal connection

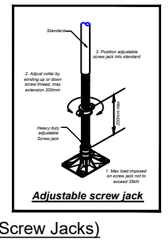
RISK

Please Refer To CO002-11385-1 Page 01 For Highlighted Risks & Hazards

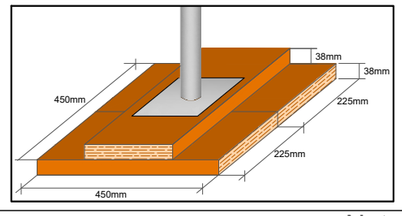
Legend

- Tube
- 750mm Beam
- Beam Bracing
- Debris Netting
- Sheeting
- Visqueen Sheeting
- Pull Back Racker
- Bracing
- Standard
- Puncheon
- Beam Standards
- 12mm Apollo ASS
- Shear Tie
- Contact Point
- Check Coupler
- New Back Propping Standard

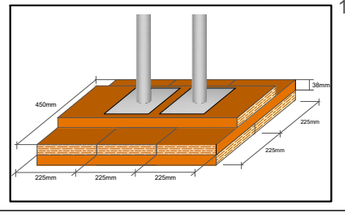




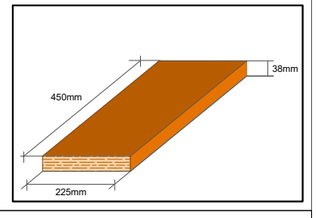
450mm x 450mm Sole Pad Detail



450mm x 675mm Sole Pad Detail



Sole Pad Detail (Screw Jacks)



Fundamental Notes

1. Max bay length 3m (Independent) - 2.5m (Loading Bay & Roof Saddle) - 1.75m (Roof Canopy)
2. Max bay width 1m (Independent) - 2m (Loading Bay) - 1.5m (Roof Saddle) 1.75m (Roof Canopy)
3. Max transom spacing N/A (Independent, Loading Bay, Roof Saddle) - 0.88m (Roof Canopy)
4. Max lift height 2m - 2.7m (Base Lift)
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

Client: CONNOLLY Scaffolding Ltd

MAXIMUM LOADINGS

Independent - 1no. Lift	- 2kN/m² (200kg/m²)
All inside decks at	- 0.75kN/m² (75kg/m²)
Loading Bay	- 2kN/m² (200kg/m²)
Roof Saddle	- 1.5kN/m² (150kg/m²)
Hoist Arm	- Max 200kg

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

Construction Issue

Project: India House, Manchester
Drawing Title: External Access Scaffold

Drawn by: Hayden Allan	Calculations by: Joe Rigby	Draft: 03/06/2025
Signed:	Signed: J.Rigby	Approval: 27/10/2025
		Construction: 30/03/2026
Checked by: Mike Brown		Date: 22/05/2026
Signed:		

Drawing No. CO002 -11385-1-Rev-M Page No. 3

		Revision
H	Hoist Change	18/03/2026
J	Scaffold Reconfiguration Inline With Comments Dated 27/03/2026	27/03/2026
K	Beams Introduced At kicker lift	13/04/2026
L	Pad Detail Revised	24/04/2026
M	Beam Span Introduced (Elevation B-B)	22/05/2026

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.

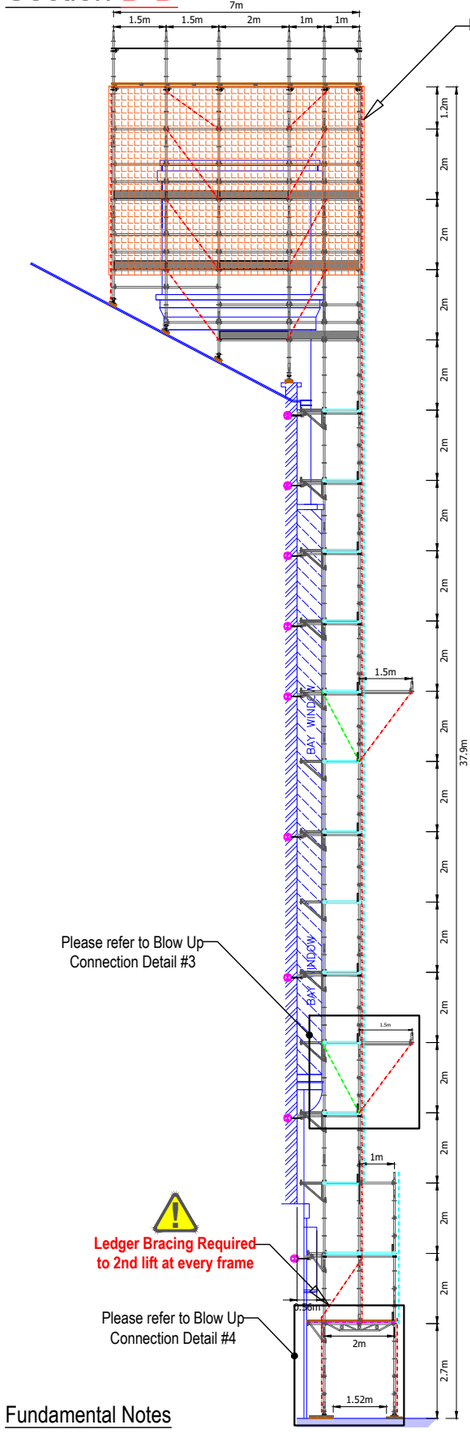
The design and erection of scaffolds are to conform with the following British Standards and Codes of Practice:
BS1139 Metal Scaffolding
BS2482 Specification for Timber Boards
BS EN 12811-1 Codes of Practice for Access and Working Scaffolds and Special Scaffold Structures in Steel
BS EN 12812-1:2008 Falsework: Performance requirements & general design
TG20:21 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.

BDS SCAFFOLD DESIGN SPECIALISTS
T: 0800 270 7998 E: info@buckleydesigns.co.uk

Please print all drawings in colour A3 min

Drawing not to scale
dimensions as per drawing

Section D-D



Facade to be clad with sheeting

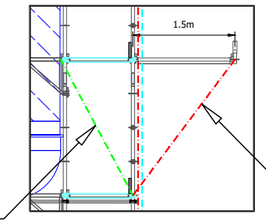
Please refer to Blow Up Connection Detail #3

Please refer to Blow Up Connection Detail #4

Ledger Bracing Required to 2nd lift at every frame

Section E-E

Connection Detail #3



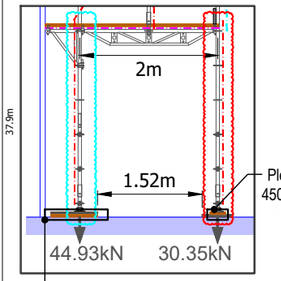
Pull back raker required at every frame

Spur required at every frame

RED clouded area denotes DOUBLE standards required up to first lift

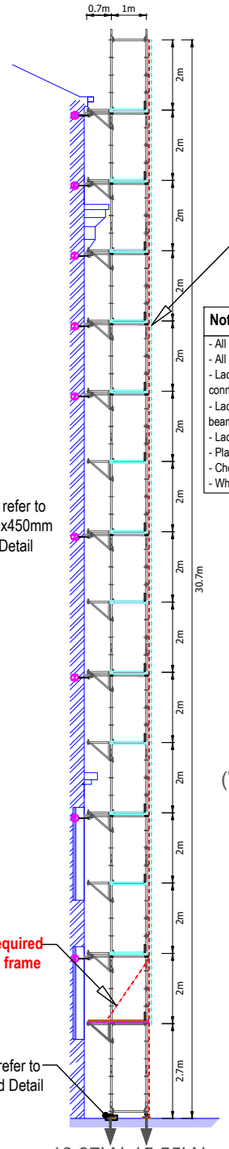
CYAN clouded area denotes TRIPLE standards required up to first lift

Blow Up Connection Detail #4



Please refer to 450mm x450mm Pad Detail

Please refer to 450mm x675mm Pad Detail



Facade of scaffold to be clad with netting

Ledger Bracing Required to 2nd lift at every frame

Please refer to Sole Pad Detail

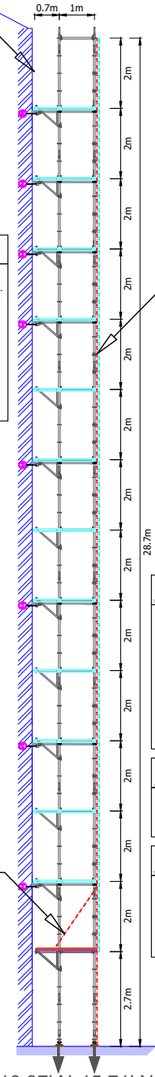
10.97kN (Worst Case) 15.55kN (Worst Case)

Section F-F

Notes - 750mm deep Apollo Beam

- All beam/standard connections to be made with load bearing couplers.
- All beam/puncheon connections to be made with load bearing couplers.
- Lacing tubes to be fixed to the standards directly below beam/standard connections, thus acting as checker.
- Lacing tubes to be fixed to the puncheons directly above beam/puncheon connections, thus acting as checker.
- 'X' brace & Lace beams together on top & bottom chords at max 1m centres.
- Plan brace full length of beams on the compression chord.
- When lacing multiple beams lacing tube must be fixed to all beams.

Internal edge protection required to all leading edges where there is a risk of fall

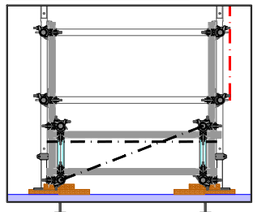


Denotes facade brace

Notes - 450mm deep LAYHER Beam

- All beam/standard connections to be made with load bearing couplers.
- All beam/puncheon connections to be made with load bearing couplers.
- Lacing tubes to be fixed to the standards directly below beam/standard connections, thus acting as checker.
- Lacing tubes to be fixed to the puncheons directly above beam/puncheon connections, thus acting as checker.
- Lace beams together on top & bottom chords at max 1m centres.
- Plan brace full length of beams on the top chord (compression chord).
- Chord bracing required at max 2m centres
- When lacing multiple beams lacing tube must be fixed to all beams.

Beam Connection Detail



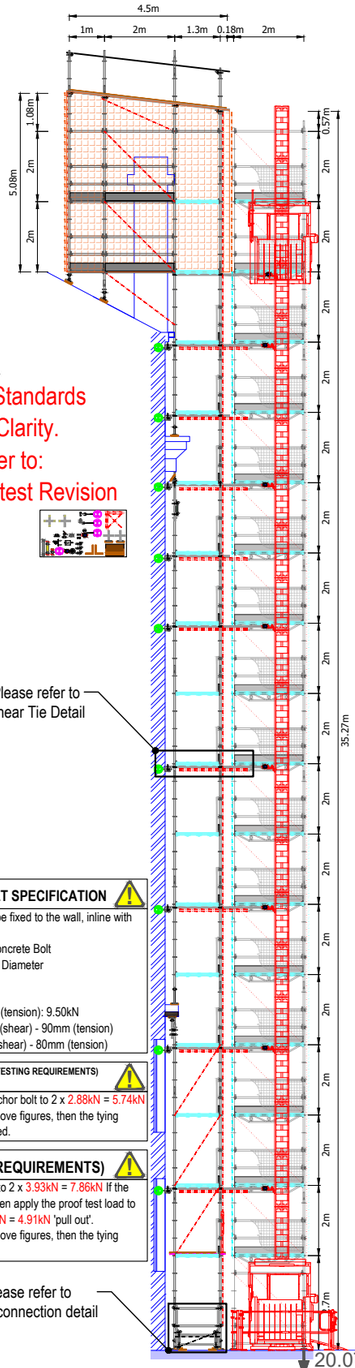
19.69kN (Worst Case) 23.19kN (Worst Case)

Ledger Bracing Required to 2nd lift at every frame

10.97kN (Worst Case) 15.71kN (Worst Case)

Doorways To Be Kept Clear At All Times

Section G-G



Back Propping Standards Omitted For Clarity. Please Refer to: CO002-11352-2-Latest Revision

Please refer to Shear Tie Detail

BAND & PLATE TIE, BOLT SPECIFICATION

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

- Bolt Type: ADI, CSB Self Tapping Concrete Bolt
- Bolt Size: 130mm (length) - 12mm Ø Diameter
- Minimum Hole Depth: 115mm
- Minimum Embedment Depth: 90mm
- Bolt SWL: (shear) 20.25kN per bolt - (tension): 9.50kN
- Spacing Distance: Minimum 160mm (shear) - 90mm (tension)
- Edging Distance: Minimum 300mm (shear) - 80mm (tension)

TG4:25 (BAND & PLATE TIE, BOLT TESTING REQUIREMENTS) (Shear)

- Preliminary Load Test - ADI CSB anchor bolt to 2 x 2.88kN = 5.74kN
- Should the test load fall below the above figures, then the tying configuration needs to be re-evaluated.

TG4:19 (TIE TESTING REQUIREMENTS)

- Preliminary Load Test - This anchor to 2 x 3.93kN = 7.86kN If the preliminary load test is successful, then apply the proof test load to the supporting anchors. 1.25 x 3.93kN = 4.91kN 'pull out'.
- Should the test load fall below the above figures, then the tying configuration to be re-evaluated.

Please refer to Beam connection detail

20.07kN (Worst Case)

Base Lift Above All Doorways Requires Double Boarding & Visqueen

RISK

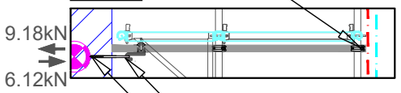
Please Refer To CO002-11385-1 Page 01 For Highlighted Risks & Hazards

Legend

- Tube
- 750mm Beam
- Beam Bracing
- Debris Netting
- Sheeting
- Visqueen Sheeting
- Pull Back Racker
- Bracing
- Standard
- Puncheon
- Beam Standards
- 12mm Apollo ASS
- Shear Tie
- Contact Point
- Check Coupler
- New Back Propping Standard

Tie tube to be fixed to both inside & outside standards/ledgers with load bearing couplers

Tie Detail

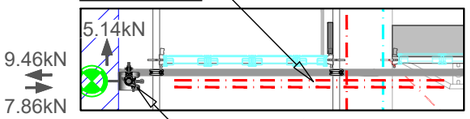


Class B Hook coupler required at all times

'X' Plan brace required at each tied frame

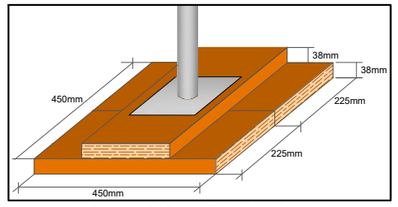
12mm Apollo ASS ring bolt & nylon insert with minimum 115mm embedment depth. 12mm Ø drill bit required in concrete & brick

Shear Tie Detail

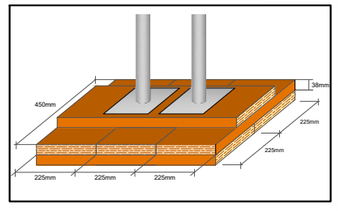


2no. Band & Plate shear ties required at Hoist Tie Locations

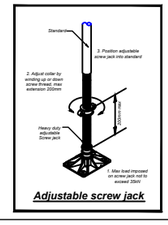
450mm x 450mm Sole Pad Detail



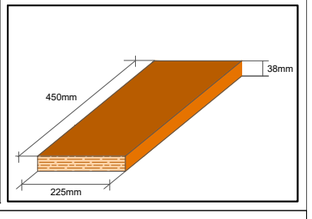
450mm x 675mm Sole Pad Detail



Sole Pad Detail (Screw Jacks)



Adjustable screw jack



Fundamental Notes

1. Max bay length 3m (Independent) - 2.5m (Loading Bay & Roof Saddle) - 1.75m (Roof Canopy)
2. Max bay width 1m (Independent) - 2m (Loading Bay) - 1.5m (Roof Saddle) 1.75m (Roof Canopy)
3. Max transom spacing N/A (Independent, Loading Bay, Roof Saddle) - 0.88m (Roof Canopy)
4. Max lift height 2m - 2.7m (Base Lift)
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

Client:

CONNOLLY Scaffolding Ltd

MAXIMUM LOADINGS

Independent - 1no. Lift	- 2kN/m² (200kg/m²)
All inside decks at	- 0.75kN/m² (75kg/m²)
Loading Bay	- 2kN/m² (200kg/m²)
Roof Saddle	- 1.5kN/m² (150kg/m²)
Hoist Arm	- Max 200kg

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

Construction Issue

Project: India House, Manchester

Drawing Title: External Access Scaffold

Drawn by: Hayden Allan	Calculations by: Joe Rigby	Draft: 03/06/2025
Signed:	Signed: J.Rigby	Approval: 27/10/2025
		Construction: 30/03/2026
Checked by: Mike Brown		Date: 22/05/2026
Signed:		

Drawing No. CO002 -11385-1-Rev-M

Page No. 4

		Revision
H	Hoist Change	18/03/2026
J	Scaffold Reconfiguration Inline With Comments Dated 27/03/2026	27/03/2026
K	Beams Introduced At kicker lift	13/04/2026
L	Pad Detail Revised	24/04/2026
M	Beam Span Introduced (Elevation B-B)	22/05/2026

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
TG20:21 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.

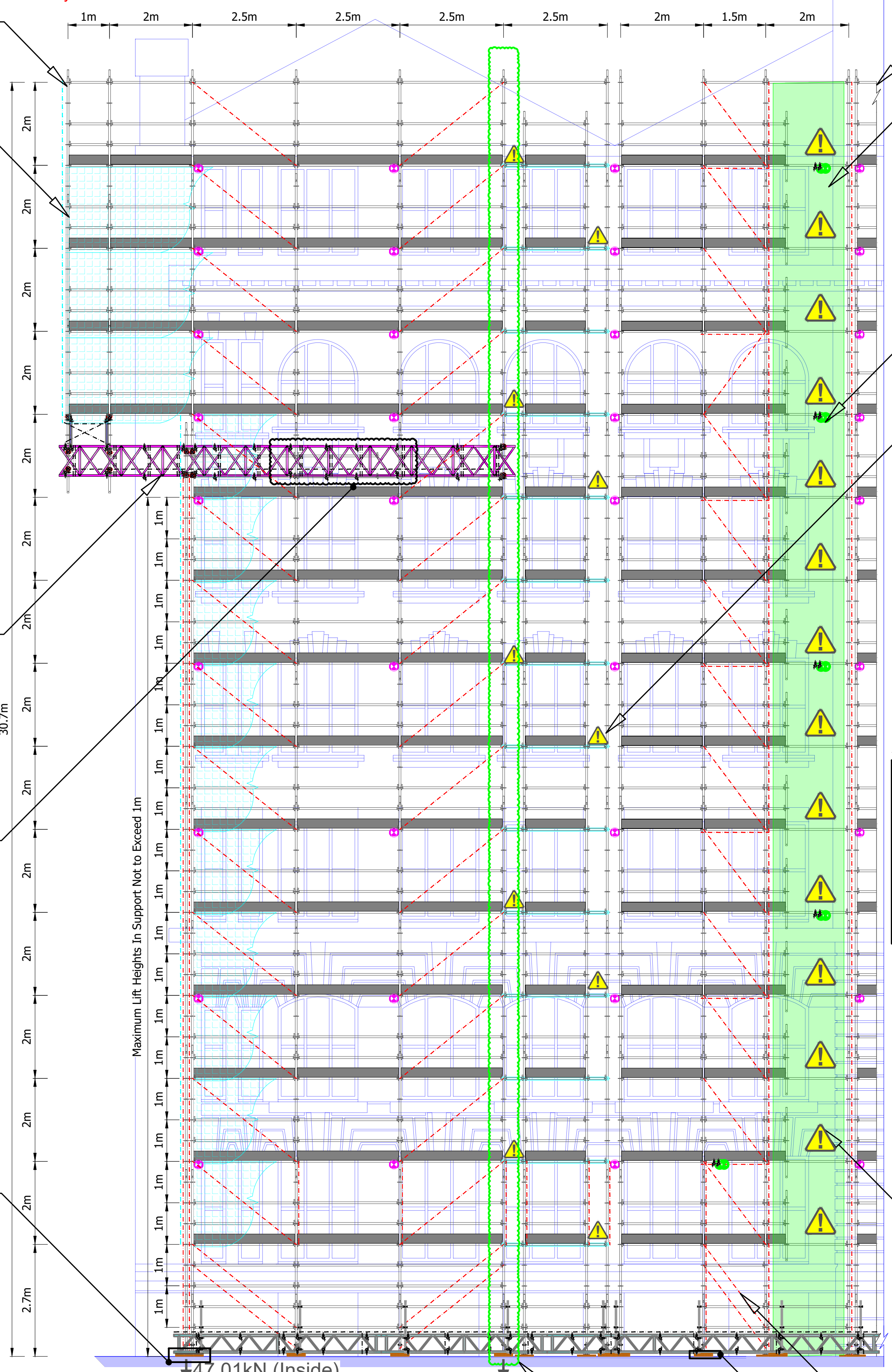
BDS SCAFFOLD DESIGN SPECIALISTS
T: 0800 270 7998 E: info@buckleydesigns.co.uk

Please print all drawings in colour A3 min

Drawing not to scale
dimensions as per drawing

Part Section H-H

⚠ Saddle scaffold omitted for clarity



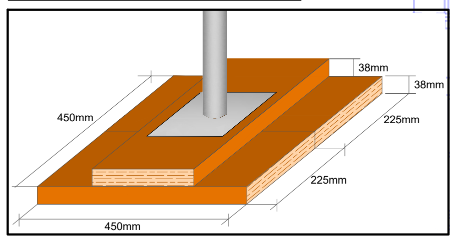
Fundamental Notes

1. Max bay length 3m (Independent) - 2.5m (Loading Bay & Roof Saddle) - 1.75m (Roof Canopy)
2. Max bay width 1m (Independent) - 2m (Loading Bay) - 1.5m (Roof Saddle) 1.75m (Roof Canopy)
3. Max transom spacing N/A (Independent, Loading Bay, Roof Saddle) - 0.88m (Roof Canopy)
4. Max lift height 2m - 2.7m (Base Lift)
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

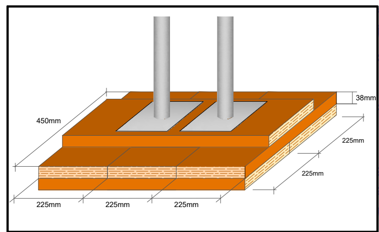
Notes - 450mm deep LAYHER Beam

- All beam/standard connections to be made with load bearing couplers.
- All beam/puncheon connections to be made with load bearing couplers.
- Lacing tubes to be fixed to the standards directly below beam/standard connections, thus acting as checker.
- Lacing tubes to be fixed to the puncheons directly above beam/puncheon connections, thus acting as checker.
- Lace beams together on top & bottom chords at max 1m centres.
- Plan brace full length of beams on the top chord (compression chord).
- Chord bracing required at max 2m centres
- When lacing multiple beams lacing tube must be fixed to all beams.

450mm x 450mm Sole Pad Detail

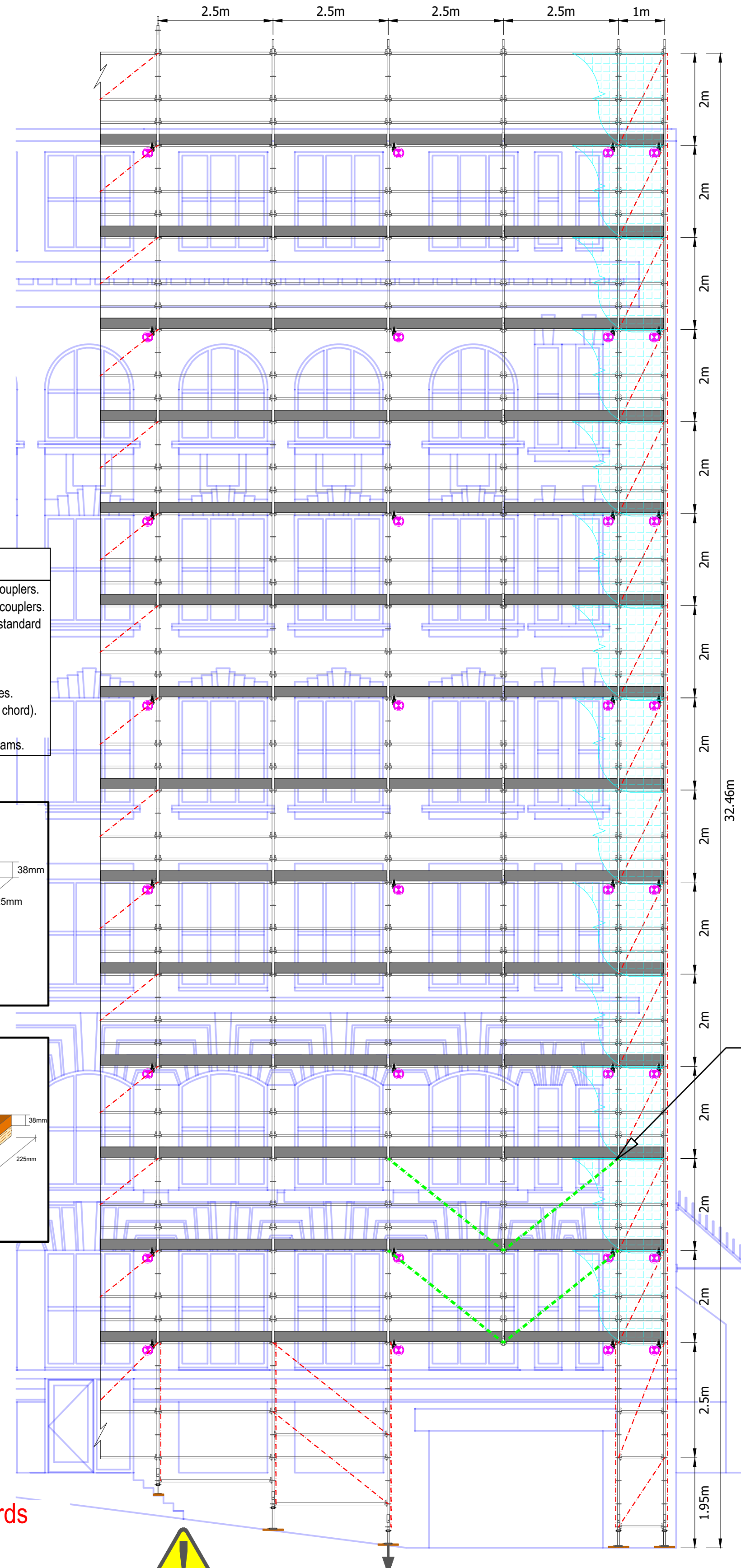


450mm x 675mm Sole Pad Detail



⚠ **Back Propping Standards Omitted For Clarity. Please Refer to: CO002-11352-2-Latest Revision**

Part Section J-J



⚠ Doorways To Be Kept Clear At All Times

RISK

Please Refer To CO002-11385-1 Page 01 For Highlighted Risks & Hazards

Legend

- Tube
- 750mm Beam
- Beam Bracing
- Debris Netting
- Sheeting
- Visqueen Sheeting
- Pull Back Racker
- Bracing
- Standard
- Puncheon
- Beam Standards
- 12mm Apollo ASS
- Shear Tie
- Contact Point
- Check Coupler
- New Back Propping Standard

BAND & PLATE TIE, BOLT SPECIFICATION

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

- Bolt Type: ADI, CSB Self Tapping Concrete Bolt
- Bolt Size: 130mm (length) - 12mm Ø Diameter
- Minimum Hole Depth: 115mm
- Minimum Embedment Depth: 90mm
- Bolt SWL: (shear) 20.25kN per bolt - (tension): 9.50kN
- Spacing Distance: Minimum 160mm (shear) - 90mm (tension)
- Edging Distance: Minimum 300mm (shear) - 80mm (tension)

TG4:25 (BAND & PLATE TIE, BOLT TESTING REQUIREMENTS) (Shear)

- Preliminary Load Test - ADI CSB anchor bolt to 2 x 2.88kN = 5.74kN
- Should the test load fall below the above figures, then the tying configuration needs to be re-evaluated.

TG4:19 (TIE TESTING REQUIREMENTS)

- Preliminary Load Test - This anchor to 2 x 3.93kN = 7.86kN If the preliminary load test is successful, then apply the proof test load to the supporting anchors. 1.25 x 3.93kN = 4.91kN 'pull out'.
- Should the test load fall below the above figures, then the tying configuration to be re-evaluated.

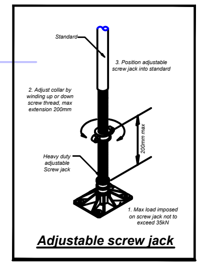
⚠ Base Lift Above All Doorways Requires Double Boarding & Visqueen

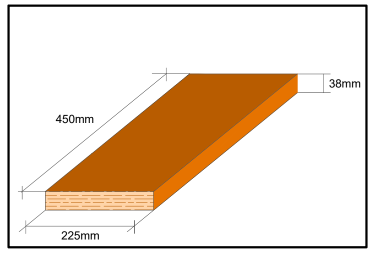
⚠ Exact Location & Hoist Type TBC On Site Prior To Erection

Notes - 750mm deep Apollo Beam

- All beam/standard connections to be made with load bearing couplers.
- All beam/puncheon connections to be made with load bearing couplers.
- Lacing tubes to be fixed to the standards directly below beam/standard connections, thus acting as checker.
- Lacing tubes to be fixed to the puncheons directly above beam/puncheon connections, thus acting as checker.
- 'X' brace & Lace beams together on top & bottom chords at max 1m centres.
- Plan brace full length of beams on the compression chord.
- When lacing multiple beams lacing tube must be fixed to all beams.

Sole Pad Detail (Screw Jacks)





Client: Connolly Scaffolding Ltd

MAXIMUM LOADINGS

Independent - 1no. Lift	- 2kN/m² (200kg/m²)
All inside decks at	- 0.75kN/m² (75kg/m²)
Loading Bay	- 2kN/m² (200kg/m²)
Roof Saddle	- 1.5kN/m² (150kg/m²)
Hoist Arm	- Max 200kg

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

Construction Issue

Project: India House, Manchester
Drawing Title: External Access Scaffold
Drawn by: Hayden Allan | Calculations by: Joe Rigby | Draft: 03/06/2025
Signed: | Signed: | Approval: 27/10/2025
Construction: 30/03/2026
Checked by: Mike Brown | Date: 22/05/2026
Signed:

Drawing No. CO002 -11385-1-Rev-M — Page No. 5

		Revision
H	Hoist Change	18/03/2026
J	Scaffold Reconfiguration Inline With Comments Dated 27/03/2026	27/03/2026
K	Beams Introduced At kicker lift	13/04/2026
L	Pad Detail Revised	24/04/2026
M	Beam Span Introduced (Elevation B-B)	22/05/2026

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
TG20:21 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.

BDS Scaffold Design Specialists
T: 0800 270 7998 E: info@buckleydesigns.co.uk

⚠ Please print all drawings in colour A3 min

Drawing not to scale
dimensions as per drawing

Plan K-K

⚠Decks omitted for clarity

Site Management To ensure all temporary and permanent walkways and gantries remain safe, level and free from trip hazards following the introduction of revised pad details installed to reduce ground bearing pressure (GBP)

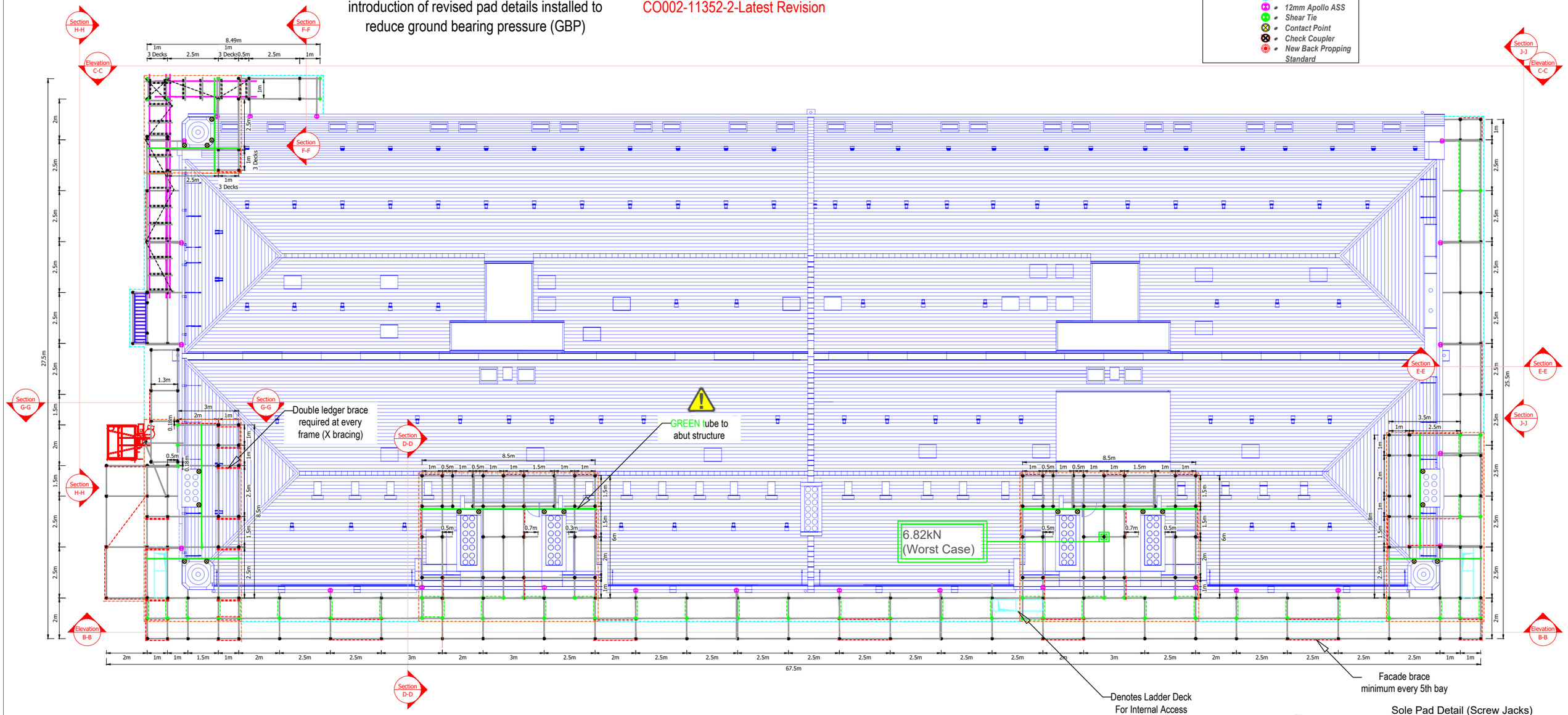
Back Propping Standards Omitted For Clarity. Please Refer to: CO002-11352-2-Latest Revision

Legend

- Tube
- 750mm Beam
- Beam Bracing
- Debris Netting
- Sheeting
- Visqueen Sheeting
- Pull Back Racker
- Bracing
- Standard
- Puncheon
- Beam Standards
- 12mm Apollo ASS
- Shear Tie
- Contact Point
- Check Coupler
- New Back Propping Standard

RISK

Please Refer To CO002-11385-1 Page 01 For Highlighted Risks & Hazards



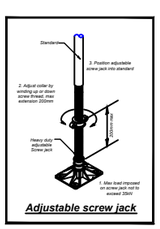
Fundamental Notes

1. Max bay length 3m (Independent) - 2.5m (Loading Bay & Roof Saddle) - 1.75m (Roof Canopy)
2. Max bay width 1m (Independent) - 2m (Loading Bay) - 1.5m (Roof Saddle) 1.75m (Roof Canopy)
3. Max transom spacing N/A (Independent, Loading Bay, Roof Saddle) - 0.88m (Roof Canopy)
4. Max lift height 2m - 2.7m (Base Lift)
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

Brick Guards & Netting Required To All Lifts

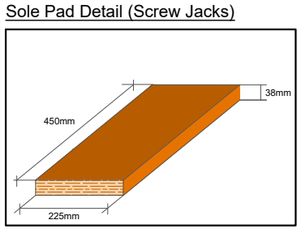
Doorways To Be Kept Clear At All Times

Base Lift Above All Doorways Requires Double Boarding & Visqueen



Adjustable screw jack

Sole Pad Detail (Screw Jacks)



Client: CONNOLLY Scaffolding Ltd

MAXIMUM LOADINGS

Independent - 1no. Lift	- 2kN/m² (200kg/m²)
All inside decks at	- 0.75kN/m² (75kg/m²)
Loading Bay	- 2kN/m² (200kg/m²)
Roof Saddle	- 1.5kN/m² (150kg/m²)
Hoist Arm	- Max 200kg

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

Construction Issue

Project: India House, Manchester

Drawing Title: External Access Scaffold

Drawn by: Hayden Allan	Calculations by: Joe Rigby	Draft: 03/06/2025
Signed:	Signed: J.Rigby	Approval: 27/10/2025
		Construction: 30/03/2026
Checked by: Mike Brown		Date: 22/05/2026
Signed:		

Drawing No. CO002 -11385-1-Rev-M

Page No. 6

		Revision
H	Hoist Change	18/03/2026
J	Scaffold Reconfiguration Inline With Comments Dated 27/03/2026	27/03/2026
K	Beams Introduced At kicker lift	13/04/2026
L	Pad Detail Revised	24/04/2026
M	Beam Span Introduced (Elevation B-B)	22/05/2026

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
TG20:21 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.

BDS SCAFFOLD DESIGN SPECIALISTS
T: 0800 270 7998 E: info@buckleydesigns.co.uk

⚠Please print all drawings in colour A3 min

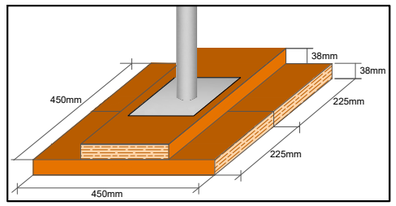
Drawing not to scale
dimensions as per drawing

General Arrangement

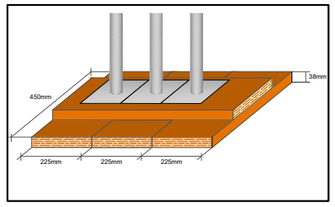
⚠ Decks omitted for clarity
⚠ Scaffold omitted for clarity

⚠ RISK ⚠
Please Refer To CO002-11385-1 Page 01
For Highlighted Risks & Hazards

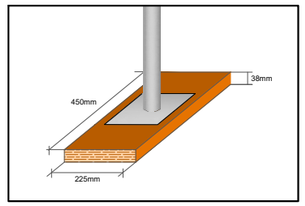
RED Clouded Areas
450mm x 450mm Sole Pad Detail



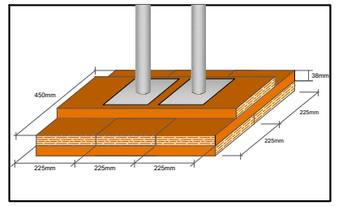
GREEN Clouded Areas
450mm x 675mm Sole Pad Detail



Black Clouded Areas
Sole Pad Detail

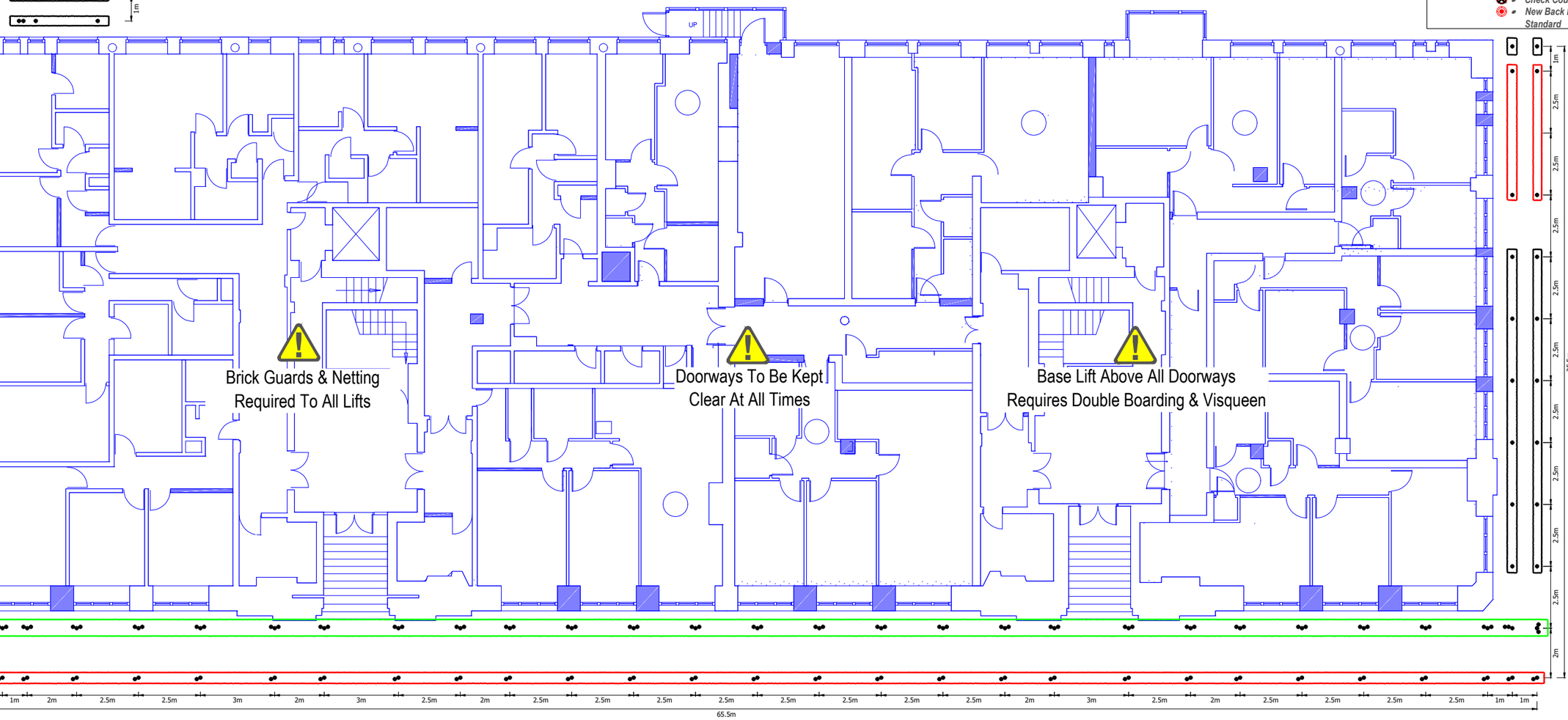


Magenta Clouded Areas
450mm x 675mm Sole Pad Detail



Legend

- Tube
- 750mm Beam
- Beam Bracing
- Debris Netting
- Sheeting
- Visqueen Sheeting
- Pull Back Racker
- Bracing
- Standard
- Puncheon
- Beam Standards
- 12mm Apollo ASS
- Shear Tie
- Contact Point
- Check Coupler
- New Back Propping Standard



Site Management To ensure all temporary and permanent walkways and gantries remain safe, level and free from trip hazards following the introduction of revised pad details installed to reduce ground bearing pressure (GBP)

All sole pad types have been designed to created a Ground Bearing Pressure of less than 150kN/m²

THERE IS A POSSIBILITY OF SETTLEMENT OF THE SLAB. THEREFORE, THE TEMPORARY WORKS SHOULD BE CHECKED ON A BI-ANNUAL BASIS AS A MINIMUM AND THE PROPPING TIGHTENED AS REQUIRED

Please refer to CO002-11385-2-Latest Revision for Back Propping

Fundamental Notes

1. Max bay length 3m (Independent) - 2.5m (Loading Bay & Roof Saddle) - 1.75m (Roof Canopy)
2. Max bay width 1m (Independent) - 2m (Loading Bay) - 1.5m (Roof Saddle) 1.75m (Roof Canopy)
3. Max transom spacing N/A (Independent, Loading Bay, Roof Saddle) - 0.88m (Roof Canopy)
4. Max lift height 2m - 2.7m (Base Lift)
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

Client:

CONNOLLY Scaffolding Ltd

MAXIMUM LOADINGS

Independent - 1no. Lift	- 2kN/m² (200kg/m²)
All inside decks at	- 0.75kN/m² (75kg/m²)
Loading Bay	- 2kN/m² (200kg/m²)
Roof Saddle	- 1.5kN/m² (150kg/m²)
Hoist Arm	- Max 200kg

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

Construction Issue

Project: India House, Manchester
Drawing Title: External Access Scaffold

Drawn by: Hayden Allan	Calculations by: Joe Rigby	Draft: 03/06/2025
Signed:	Signed: J.Rigby	Approval: 27/10/2025
		Construction: 30/03/2026
Checked by: Mike Brown		Date: 22/05/2026
Signed:		

Drawing No. CO002 -11385-1-Rev-M
Page No. 9

		Revision
H	Hoist Change	18/03/2026
J	Scaffold Reconfiguration Inline With Comments Dated 27/03/2026	27/03/2026
K	Beams Introduced At kicker lift	13/04/2026
L	Pad Detail Revised	24/04/2026
M	Beam Span Introduced (Elevation B-B)	22/05/2026

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
TG20:21 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 12811-1-4:2005 Eurocode: Actions on Structures - Wind
BS EN 13374:2013 Temporary edge protection systems - Product specification, test methods.

BDS SCAFFOLD DESIGN SPECIALISTS
T: 0800 270 7998 E: info@buckleydesigns.co.uk

⚠ Please print all drawings in colour A3 min
Drawing not to scale
dimensions as per drawing