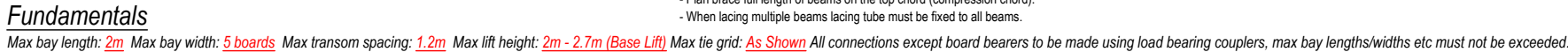


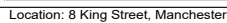
 Boarding and intermediate transoms omitted for clarity



PEDESTRIAN PROTECTION
Scaffold operatives & principal contractors must ensure public safety by following the guidelines in SG34:17 and TG20:21.

Scaffold to be clad with compliant fire retardant monarflex sheeting.

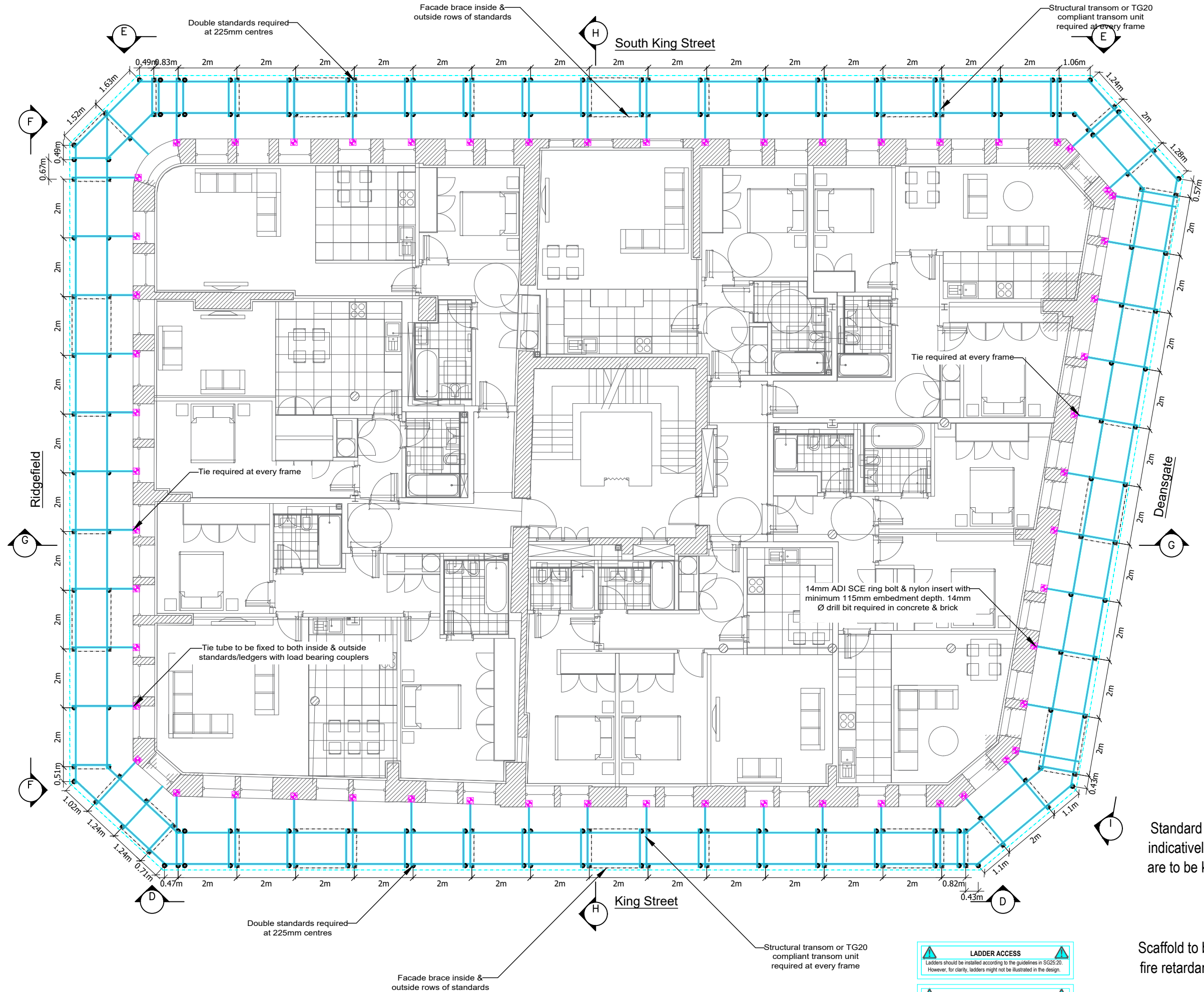
Contact Details
Info@diamond-design.co.uk



Drawing Title: Independent Access
Scaffold With Temporary Roof

Scale: N/A (Print in A3)	DWG No. DDS-1101		
Drawn by: JC	Checked by: BC	Date: 26/06/2016	
Sheet No. 01			Revision

Boarding and intermediate transoms omitted for clarity



CDM REGULATIONS 2015

The 2015 Construction Regulations mandate that we inform our customers about their responsibilities under these regulations. The Health and Safety Executive (HSE) has published guidance on these responsibilities in the form of an approved code of practice.

TG4:25

Scaffold tie arrangements should be installed and tested following the guidelines outlined in TG4:19 (Anchorage Systems for Scaffolding)

TIE TESTING - (TG4:25)

- Prelim Load Test - $2 \times 4.57kN = 9.13kN$
 $1.25 \times 4.57kN = 5.71kN$ "pull out".
- In the event that the test load falls below the aforementioned figures, the tying configuration shall be re-evaluated.

SG4:22

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

RISK

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

CLASS B COUPLERS

All principal connections such as ledgers to standards, structural transoms & all bracing are to be made with class b couplers
class B coupler: swl = 9.1kn

DIMENSIONS

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

RISK

Scaffold operatives must adhere to industry best practices and implement a safe system of work to ensure they are clipped on to a secure lifeline at all times when working on leading edges or beams.

RISK

The principal contractor must verify that both the ground and the structure are capable of supporting the imposed loads associated with the project.

UBIX ROOF SYSTEM

TEMPORARY PLATFORM/EDGE PROTECTION REQUIRED TO ERECT/DISMANTLE UBIX ROOF IN ACCORDANCE WITH MANUFACTURERS GUIDELINES & RECOMMENDATIONS. HAVE BEEN OMITTED FOR CLARITY

UBIX ROOF SYSTEM

UBIX ROOFING SYSTEM TO BE ERECTED/DISMANTLED IN ACCORDANCE WITH MANUFACTURERS GUIDELINES AND RECOMMENDATIONS

Legend

- Tube
- 750mm Beam
- 780mm Ubox Beam
- Spur/Pull Back Raker
- Beam Bracing
- Sheetting
- Roof Truss / Ridge
- Bracing
- Standard
- Puncheon
- Lip Tie Tube
- Shear Tie
- Lip Tie
- 14mm ADI SCE Eyebolt (or similar)
- Check Coupler

LADDER ACCESS

Ladders should be installed according to the guidelines in SG25:20. However, for clarity, ladders might not be illustrated in the design.

PEDESTRIAN PROTECTION

Scaffold operatives & principal contractors must ensure public safety by following the guidelines in SG34:17 and TG20:21.

Standard locations are shown indicatively however doorways are to be kept clear at all times

Scaffold to be clad with compliant fire retardant monarflex sheeting.

IMPORTANT NOTES:

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The customer is requested to verify that their requirements have been accurately interpreted. This includes confirmation of all loadings, details, erection and dismantling sequences, and their practicality.

To ensure the safety and stability of the scaffolding, the Main Contractor must confirm the adequacy of the designated ground, structure, or base to support the planned loads. This includes verifying the availability of any necessary spreaders to distribute the weight evenly.

The design and construction of the scaffolding must comply with the following British Standards and Codes of Practice:

- BS EN 13374:2013 Temporary edge protection systems - Product specification, test methods.
- BS EN 1991-1-4:2005 Eurocode: Actions on Structures - Wind
- BS EN 1991-1-1:2002 Eurocode: Actions on Structures - Densities, Self-weight and Imposed Loads
- TG20:21 Guide to Good Practice for Scaffolding with Tube and Fittings
- BS EN 12812-1:2008 Falsework: Performance requirements & general design
- BS EN 12811-1 Codes of Practice for Access and Working Scaffolds and Special Scaffold Structures in Steel
- BS2482 Specification for Timber Boards
- BS1139 Metal Scaffolding

MAXIMUM LOADINGS

Independent - 1no. Lift - $2kN/m^2$ (200kg/m²)
All inside boards at - $0.75kN/m^2$ (75kg/m²)

The listed weight limits cannot be exceeded under any circumstances.

- These limits haven't been adjusted for safety factors (unfactored).
- Do not modify the scaffolding in any way that might affect its stability without written permission from Diamond Design Ltd.

REV.	DATE	DESCRIPTION
A	29/05/25	Additional Elevation Introduced & DWG Re-issued For Draft
B	05/06/25	DWG Issued For Construction
C	14/06/25	Low Level Beams Introduced
D	26/06/25	Deansgate Elevation Introduced

Client:

CRESCENT SCAFFOLDING LTD

Status:

Construction Issue

Contact Details
Info@diamond-design.co.uk

DIAMOND DESIGN SOLUTIONS

Location: 8 King Street, Manchester

Drawing Title: Independent Access Scaffold With Temporary Roof

Scale: N/A (Print in A3) DWG No. DDS-1101

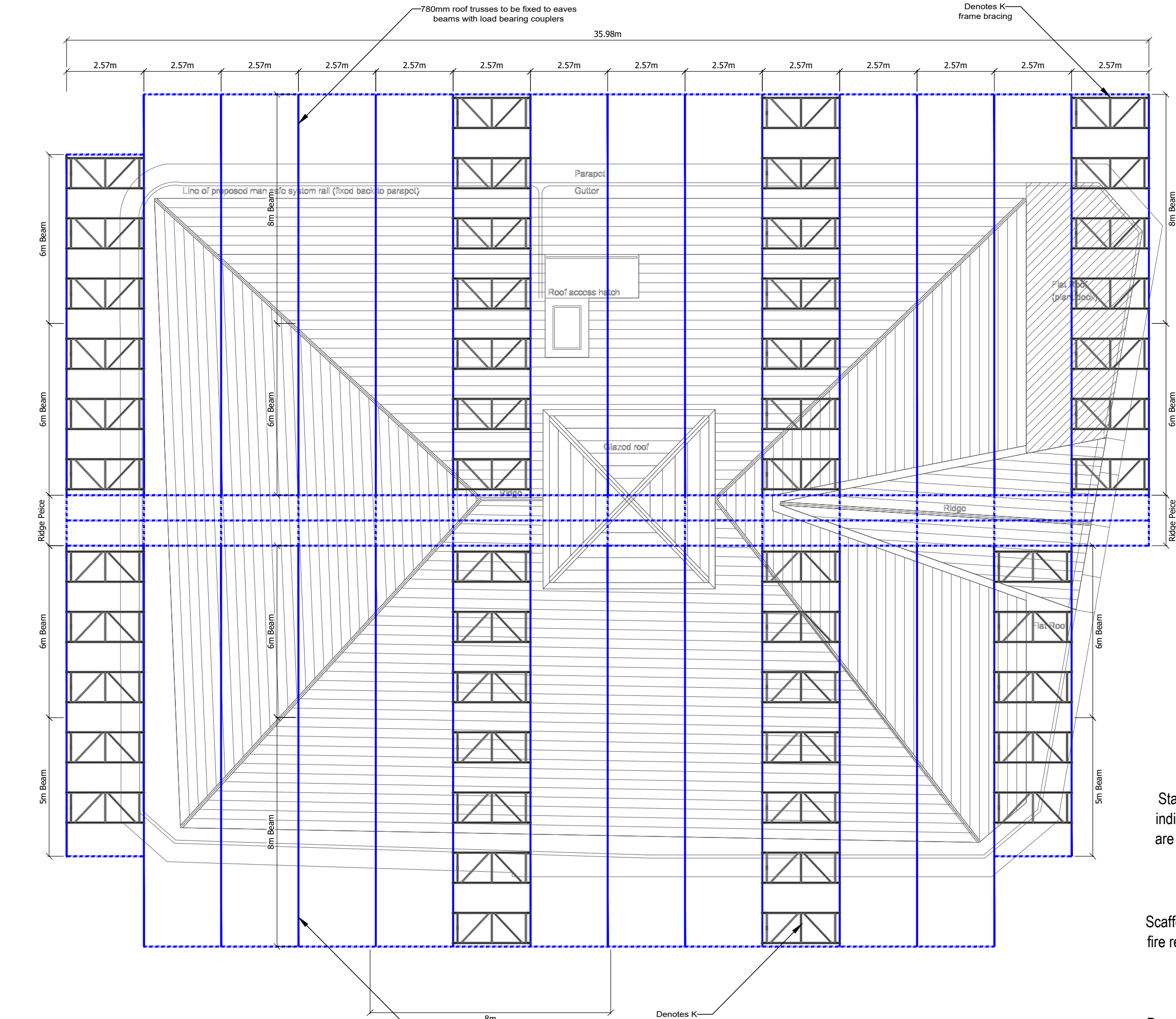
Drawn by: JC Checked by: BC Date: 26/06/25

Sheet No. 02

Revision
D

Plan C-C (Roof Plan)

Proprietary Roof Sheets omitted for clarity



Fundamentals
Max bay length: 2m Max bay width: 5 boards Max transom spacing: 1.2m Max lift height: 2m - 2.7m (Base Lift) Max tie grid: As Shown All connections except board bearers to be made using load bearing couplers, max bay lengths/widths etc must not be exceeded.

CDM REGULATIONS 2015
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TG4:25
Scaffold tie arrangements should be installed and tested following the guidelines outlined in TG4:19 (Anchorage Systems for Scaffolding)

TIE TESTING - (TG4:25)
• Prelim Load Test - $2 \times 4.57kN = 9.13kN$
 $1.25 \times 4.57kN = 5.71kN$ pull out.
• In the event that the test load falls below the aforementioned figures, the tying configuration shall be re-evaluated.

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

LADDER ACCESS
Ladders should be installed according to the guidelines in SG25:20. However, for clarity, ladders might not be illustrated in the design.

PEDESTRIAN PROTECTION
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RISK
ALL BOARDS TO BE ADEQUATELY SECURED IN THE EVENT OF HIGH WINDS

CLASS B COUPLERS
All principal connections such as ledgers to standards, structural transoms & all bracing are to be made with class B couplers
class B coupler: swl = 9.1kn

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

RISK
Scaffold operatives must adhere to industry best practices and implement a safe system of work to ensure they are clipped on to a secure lifeline at all times when working on leading edges or beams.

RISK
The principal contractor must verify that both the ground and the structure are capable of supporting the imposed loads associated with the project.

UBIX ROOF SYSTEM
TEMPORARY PLATFORMS/EDGE PROTECTION REQUIRED TO ERECT/DISMANTLE UBIX ROOF IN ACCORDANCE WITH MANUFACTURERS GUIDELINES & RECOMMENDATIONS. HAVE BEEN OMITTED FOR CLARITY

UBIX ROOF SYSTEM
UBIX ROOFING SYSTEM TO BE ERECTED/DISMANTLED IN ACCORDANCE WITH MANUFACTURERS GUIDELINES AND RECOMMENDATIONS

Legend

- Tube
- 750mm Beam
- 780mm Ubox Beam
- Spur/Pull Back Raker
- Beam Bracing
- Sheeting
- Roof Truss / Ridge
- Bracing
- Standard
- Puncheon
- Lip Tie Tube
- Shear Tie
- Lip Tie
- 14mm ADI SCE
- Eyebolt (or similar)
- Check Coupler

Standard locations are shown indicatively however doorways are to be kept clear at all times

Scaffold to be clad with compliant fire retardant monarflex sheeting.

Deansgate elevation omitted due to splayed visual.

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• BS EN 12812-1:2008 Falsework: Performance requirements & general design
• BS EN 12811-1 Codes of Practice for Access and Working Scaffolds and Special Scaffold Structures in Steel
• BS2482 Specification for Timber Boards
• BS1139 Metal Scaffolding
MAXIMUM LOADINGS
Independent - 1no. Lift - $2kN/m^2$ (200kg/m²)
All inside boards at - $0.75kN/m^2$ (75kg/m²)

REV.	DATE	DESCRIPTION
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B	05/06/25	DWG Issued For Construction
C	14/06/25	Low Level Beams Introduced
D	26/06/25	Deansgate Elevation Introduced

Client: **CRESCENT SCAFFOLDING LTD**

Status: **Construction Issue**

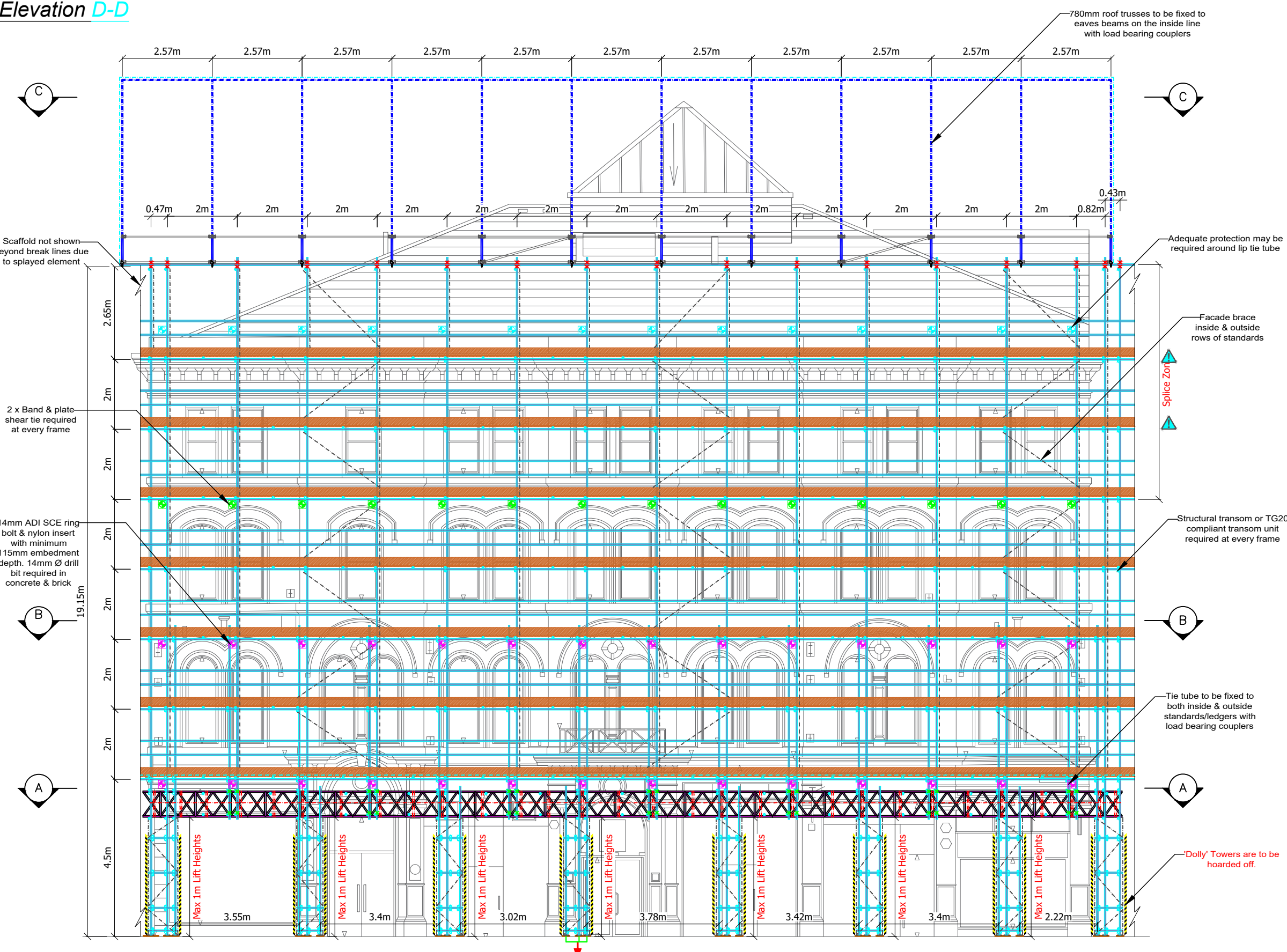
Contact Details
Info@diamond-design.co.uk

DIAMOND
DESIGN SOLUTIONS

Location: 8 King Street, Manchester

Drawing Title: Independent Access Scaffold With Temporary Roof

Scale: N/A (Print in A3)	DWG No. DDS-1101
Drawn by: JC	Checked by: BC
Sheet No. 03	Date: 26/06/25
	Revision D



Standard locations are shown indicatively however doorways are to be kept clear at all times

- 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 & Lase beams together on top & bottom chords at max 1m centres.
 - Plan brace full length of beams on the top chord (compression chord).
 - When lacing multiple beams lacing tube must be fixed to all beams.

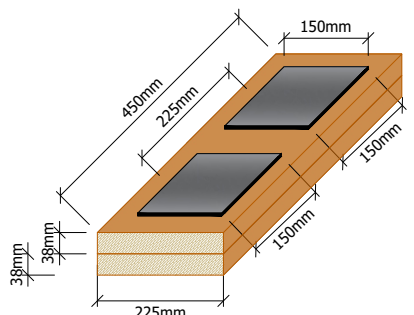
SHEAR TIE REQUIREMENTS

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): 20.25kN per bolt - (tension): 9.50kN
- Spacing Distance: Minimum 400mm

TG4:25 (SHEAR TIE TESTING REQUIREMENTS)

- Preliminary Load Test - This anchor to 2 x 5.96kN = 11.92kN If the preliminary load test is successful, then apply the proof test load to the supporting anchors. 1.25 x 5.96kN = 7.45kN 'pull out'.
- Should the test load fall below the above figures, then the tying configuration to be re-evaluated.



CDM REGULATIONS 2015

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TG4:25

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TIE TESTING - (TG4:25)

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SG4:22

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

LADDER ACCESS

Ladders should be installed according to the guidelines in SG25:20. However, for clarity, ladders might not be illustrated in the design.

PEDESTRIAN PROTECTION

Scaffold operatives & principal contractors must ensure public safety by following the guidelines in SG34:17 and TG20:21.

RISK

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

CLASS B COUPLERS

All principal connections such as ledgers to standards, structural transoms & all bracing are to be made with class B couplers

class B coupler: swl = 9.1kN

DIMENSIONS

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

RISK

Scaffold operatives must adhere to industry best practices and implement a safe system of work to ensure they are clipped on to a secure lifeline at all times when working on leading edges or beams.

RISK

The principal contractor must verify that both the ground and the structure are capable of supporting the imposed loads associated with the project.

UBIX ROOF SYSTEM

TEMPORARY PLATFORM/EDGE PROTECTION REQUIRED TO ERECT/DISMANTLE UBIX ROOF IN ACCORDANCE WITH MANUFACTURERS GUIDELINES & RECOMMENDATIONS. HAVE BEEN OMITTED FOR CLARITY

UBIX ROOF SYSTEM

UBIX ROOFING SYSTEM TO BE ERECTED/DISMANTLED IN ACCORDANCE WITH MANUFACTURERS GUIDELINES AND RECOMMENDATIONS

Legend

- Tube
- 750mm Beam
- 780mm Ubox Beam
- Spur/Pull Back Raker
- Beam Bracing
- Sheet
- Roof Truss / Ridge
- Bracing
- Standard
- Puncheon
- Lip Tie Tube
- Shear Tie
- Lip Tie
- 14mm ADI SCE Eyebolt (or similar)
- Check Coupler

DOUBLE SPICE DETAIL

Denotes swivel coupler

Denotes short tube (Butt)

Denotes swivel coupler

Denotes standard

Denotes swivel coupler

Denotes sleeve

Denotes swivel coupler

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- BS EN 12811-1 Codes of Practice for Access and Working Scaffolds and Special Scaffold Structures in Steel
- BS2482 Specification for Timber Boards
- BS1139 Metal Scaffolding

MAXIMUM LOADINGS

Independent - 1no. Lift - 2kN/m² (200kg/m²)

All inside boards at - 0.75kN/m² (75kg/m²)

The listed weight limits cannot be exceeded under any circumstances.

- These limits haven't been adjusted for safety factors (unfactored).
- Do not modify the scaffolding in any way that might affect its stability without written permission from Diamond Design Ltd.

REV.	DATE	DESCRIPTION
A	29/05/25	Additional Elevation Introduced & DWG Re-Issued For Draft
B	05/06/25	DWG Issued For Construction
C	14/06/25	Low Level Beams Introduced
D	26/06/25	Deansgate Elevation Introduced

Client:

CRESCENT SCAFFOLDING LTD

Status:

Construction Issue

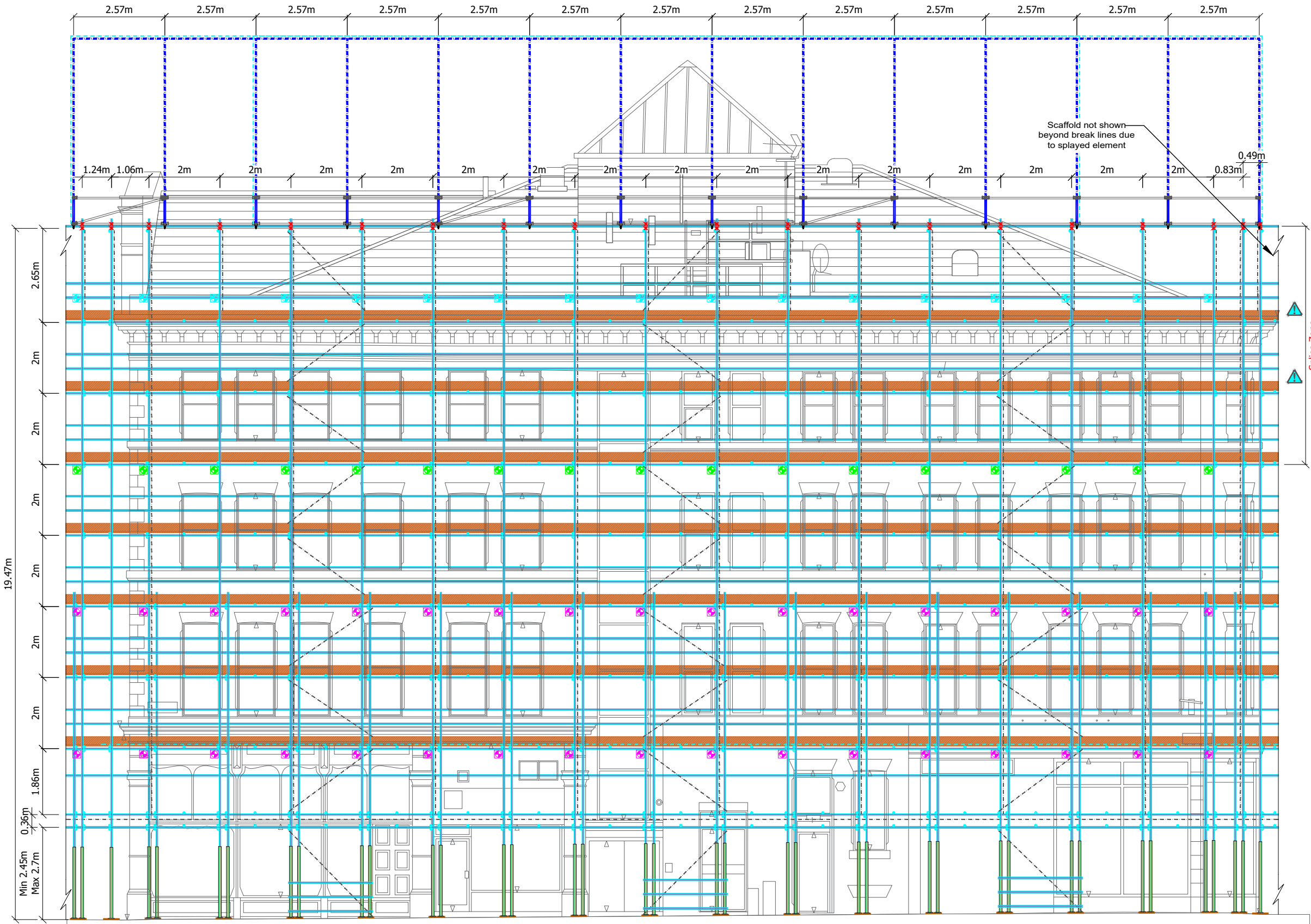
Contact Details

Info@diamond-design.co.uk

Location: 8 King Street, Manchester

Drawing Title: Independent Access Scaffold With Temporary Roof

Scale: N/A (Print in A3)	DWG No. DDS-1101
Drawn by: JC	Checked by: BC
Sheet No. 04	Date: 26/06/25
	Revision D



Standard locations are shown indicatively however doorways are to be kept clear at all times

Scaffold to be clad with compliant fire retardant monarflex sheeting.

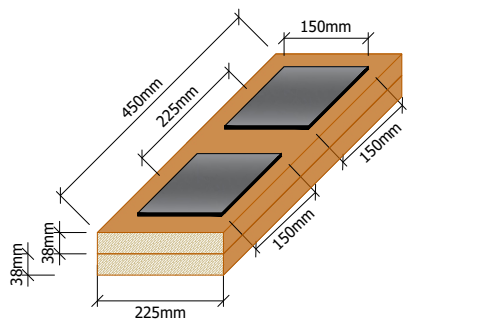
SHEAR TIE REQUIREMENTS

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
- DWA (shear): 20.25kN per bolt - (tension): 9.50kN
- Spacing Distance: Minimum 400mm

TG4:25 (SHEAR TIE TESTING REQUIREMENTS)

- Preliminary Load Test - This anchor to 2 x 5.96kN = 11.92kN If the preliminary load test is successful, then apply the proof test load to the supporting anchors. 1.25 x 5.96kN = 7.45kN 'pull out'.
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SG4:22

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

LADDER ACCESS

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PEDESTRIAN PROTECTION

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RISK

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CLASS B COUPLERS

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class b coupler: swl = 9.1kN

DIMENSIONS

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

RISK

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UBIX ROOF SYSTEM

TEMPORARY PLATFORMS/EDGE PROTECTION REQUIRED TO ERECT/DISMANTLE UBIX ROOF IN ACCORDANCE WITH MANUFACTURERS GUIDELINES & RECOMMENDATIONS. HAVE BEEN OMITTED FOR CLARITY

UBIX ROOF SYSTEM

UBIX ROOFING SYSTEM TO BE ERECTED/DISMANTLED IN ACCORDANCE WITH MANUFACTURERS GUIDELINES AND RECOMMENDATIONS

Legend

- Tube
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- Spur/Pull Back Raker
- Beam Bracing
- Sheet
- Roof Truss / Ridge
- Bracing
- Standard
- Puncheon
- Lip Tie Tube
- Shear Tie
- Lip Tie
- 14mm ADI SCE
- Eyebolt (or similar)
- Check Coupler

DOUBLE SPLICE DETAIL

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MAXIMUM LOADINGS

Independent - 1no. Lift - 2kN/m² (200kg/m²)

All inside boards at - 0.75kN/m² (75kg/m²)

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Client:

CRESCENT SCAFFOLDING LTD

Status:

Construction Issue

Contact Details

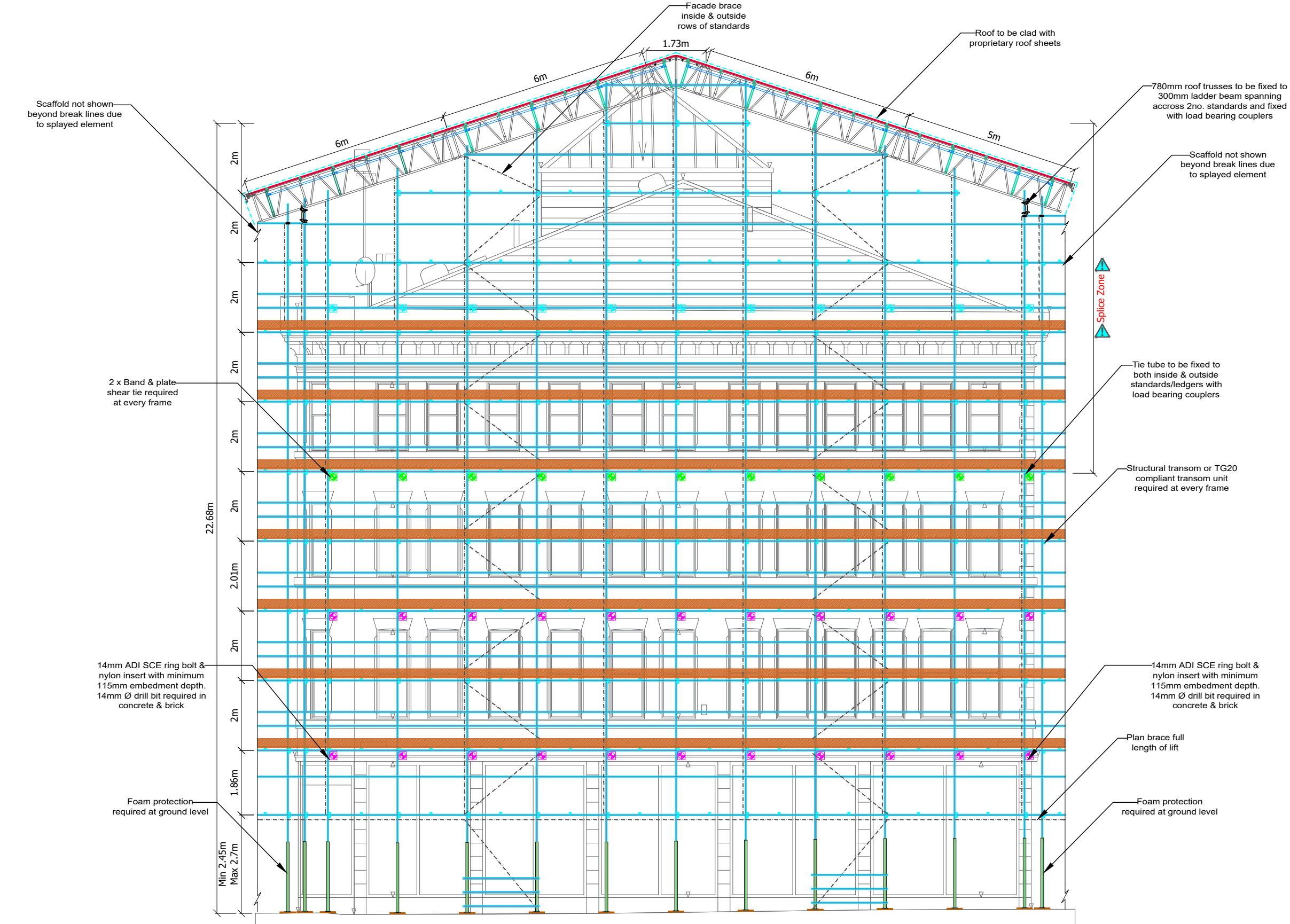
Info@diamond-design.co.uk

DIAMOND DESIGN SOLUTIONS

Location: 8 King Street, Manchester

Drawing Title: Independent Access Scaffold With Temporary Roof

Scale: N/A (Print in A3)	DWG No. DDS-1101
Drawn by: JC	Checked by: BC
Sheet No. 05	Date: 26/06/25
	Revision D



!

Standard locations are shown indicatively however doorways are to be kept clear at all times

!

Scaffold to be clad with compliant fire retardant monarflex sheeting.

!

Please refer to plan views for bay lengths.

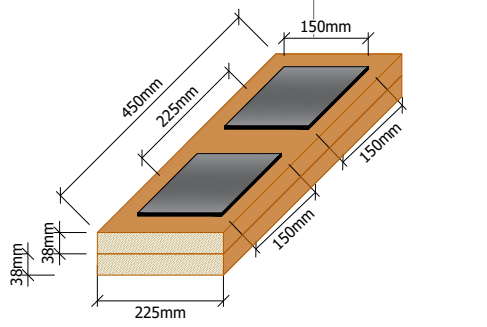
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- SWL (shear): 20.25kN per bolt - (tension): 9.50kN
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TG4:25 (SHEAR TIE TESTING REQUIREMENTS)

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RISK

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UBIX ROOF SYSTEM

TEMPORARY PLATFORMS/EDGE PROTECTION REQUIRED TO ERECT/DISMANTLE UBIX ROOF IN ACCORDANCE WITH MANUFACTURERS GUIDELINES & RECOMMENDATIONS. HAVE BEEN OMITTED FOR CLARITY

UBIX ROOF SYSTEM

UBIX ROOFING SYSTEM TO BE ERECTED/DISMANTLED IN ACCORDANCE WITH MANUFACTURERS GUIDELINES AND RECOMMENDATIONS

Legend

- Tube
- 750mm Beam
- 780mm Ubox Beam
- Spur/Pull Back Raker
- Beam Bracing
- Sheeting
- Roof Truss / Ridge
- Bracing
- Standard
- Puncheon
- Lip Tie Tube
- Shear Tie
- Lip Tie
- 14mm ADI SCE
- Eyebolt (or similar)
- Check Coupler

DOUBLE SPLICE DETAIL

IMPORTANT NOTES:

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To ensure the safety and stability of the scaffolding, the Main Contractor must confirm the adequacy of the designated ground, structure, or base to support the planned loads. This includes verifying the availability of any necessary spreaders to distribute the weight evenly.

The design and construction of the scaffolding must comply with the following British Standards and Codes of Practice:

- BS EN 13374:2013 Temporary edge protection systems - Product specification, test methods.
- BS EN 1991-1-4:2005 Eurocode: Actions on Structures - Wind
- BS EN 1991-1-1:2002 Eurocode: Actions on Structures - Densities, Self-weight and Imposed Loads
- TG20:21 Guide to Good Practice for Scaffolding with Tube and Fittings
- BS EN 12812-1:2008 Falsework: Performance requirements & general design
- BS EN 12811-1 Codes of Practice for Access and Working Scaffolds and Special Scaffold Structures in Steel
- BS2482 Specification for Timber Boards
- BS1139 Metal Scaffolding

MAXIMUM LOADINGS

Independent - 1no. Lift - 2kN/m² (200kg/m²)

All inside boards at - 0.75kN/m² (75kg/m²)

The listed weight limits cannot be exceeded under any circumstances.

- These limits haven't been adjusted for safety factors (unfactored).
- Do not modify the scaffolding in any way that might affect its stability without written permission from Diamond Design Ltd.

REV.	DATE	DESCRIPTION
A	29/05/25	Additional Elevation Introduced & DWG Re-issued For Draft
B	05/06/25	DWG Issued For Construction
C	14/06/25	Low Level Beams Introduced
D	26/06/25	Deansgate Elevation Introduced

Client:

CRESCENT SCAFFOLDING LTD

Status:

Construction Issue

Contact Details

Info@diamond-design.co.uk

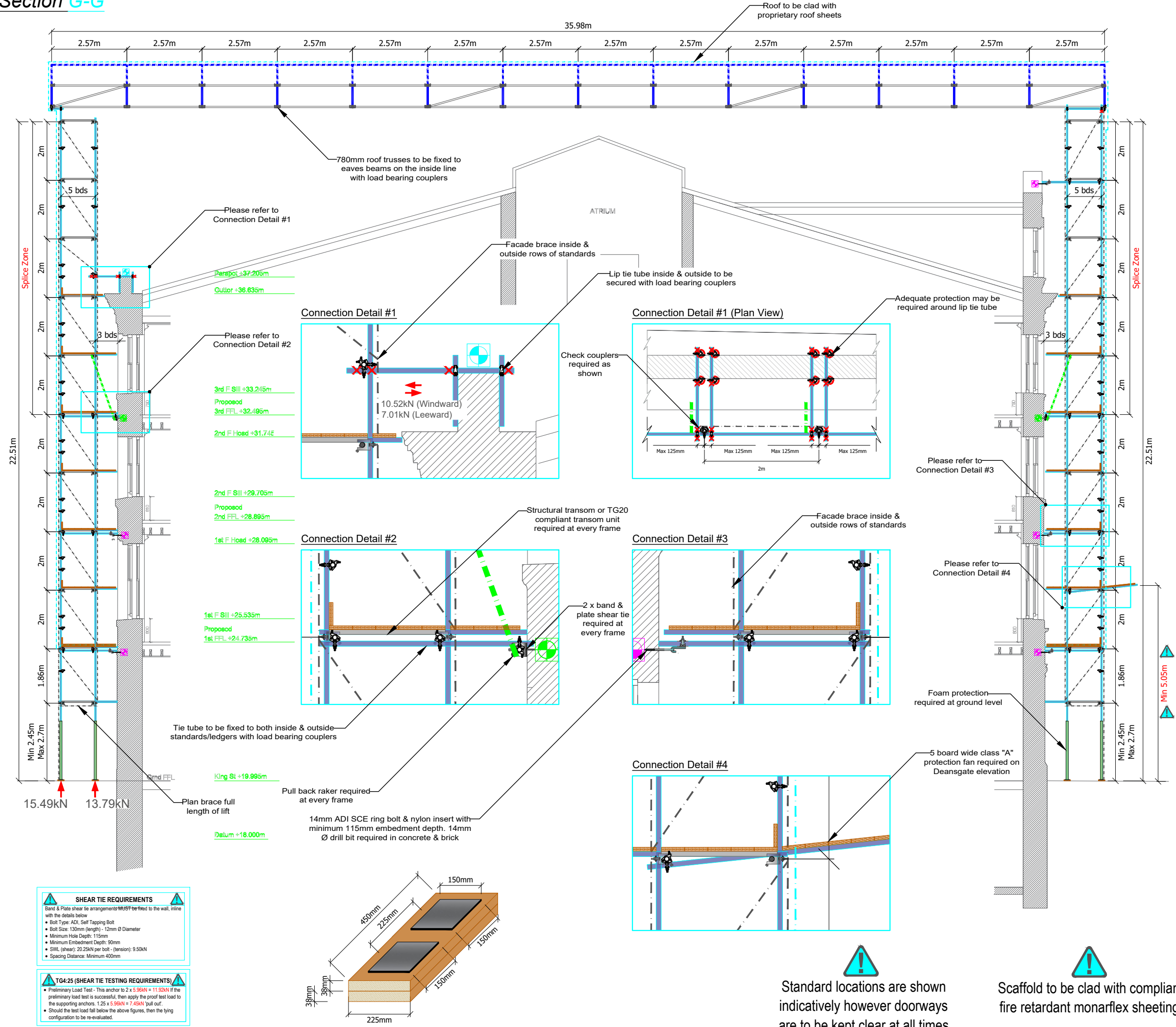
DIAMOND DESIGN SOLUTIONS

Location: 8 King Street, Manchester

Drawing Title: Independent Access Scaffold With Temporary Roof

Scale: N/A (Print in A3)	DWG No. DDS-1101
Drawn by: JC	Checked by: BC
Sheet No. 06	Date: 26/06/25
	Revision
	D

Section G-G



CDM REGULATIONS 2015

The 2015 Construction Regulations mandate that we inform our customers about their responsibilities under these regulations. The Health and Safety Executive (HSE) has published guidance on these responsibilities in the form of an approved code of practice.

TG4:25

Scaffold tie arrangements should be installed and tested following the guidelines outlined in TG4:19 (Anchorage Systems for Scaffolding).

TIE TESTING - (TG4:25)

- Prelim Load Test - $2 \times 4.5kN = 9.1kN$
 $1.25 \times 4.5kN = 5.7kN$ 'pull out'.
- In the event that the test load falls below the aforementioned figures, the tying configuration shall be re-evaluated.

SG4:22

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

LADDER ACCESS

Ladders should be installed according to the guidelines in SG25:20. However, for clarity, ladders might not be illustrated in the design.

PEDESTRIAN PROTECTION

Scaffold operatives & principal contractors must ensure public safety by following the guidelines in SG34:17 and TG20:21.

RISK

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

CLASS B COUPLERS

All principal connections such as ledgers to standards, structural transoms & all bracing are to be made with class B couplers
class B coupler: swl = 9.1kN

DIMENSIONS

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

RISK

Scaffold operatives must adhere to industry best practices and implement a safe system of work to ensure they are clipped on to a secure lifeline at all times when working on leading edges or beams.

RISK

The principal contractor must verify that both the ground and the structure are capable of supporting the imposed loads associated with the project.

UBIX ROOF SYSTEM

TEMPORARY PLATFORMS/EDGE PROTECTION REQUIRED TO ERECT/DISMANTLE UBIX ROOF IN ACCORDANCE WITH MANUFACTURERS GUIDELINES & RECOMMENDATIONS. HAVE BEEN OMITTED FOR CLARITY

UBIX ROOF SYSTEM

UBIX ROOFING SYSTEM TO BE ERECTED/DISMANTLED IN ACCORDANCE WITH MANUFACTURERS GUIDELINES AND RECOMMENDATIONS

Legend

- Tube
- 750mm Beam
- 780mm Ubx Beam
- Spur/Pull Back Raker
- Beam Bracing
- Sheeting
- Roof Truss / Ridge
- Bracing
- Standard
- Puncheon
- Lip Tie Tube
- Shear Tie
- Lip Tie
- 14mm ADI SCE Eyebolt (or similar)
- Check Coupler

DOUBLE SPLICE DETAIL

Denotes swivel coupler
Denotes short tube (Butt)
Denotes swivel coupler
Denotes standard
Denotes swivel coupler
Denotes sleeve
Denotes swivel coupler

IMPORTANT NOTES:

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To ensure the safety and stability of the scaffolding, the Main Contractor must confirm the adequacy of the designated ground, structure, or base to support the planned loads. This includes verifying the availability of any necessary spreaders to distribute the weight evenly.

The design and construction of the scaffolding must comply with the following British Standards and Codes of Practice:

- BS EN 13374:2013 Temporary edge protection systems - Product specification, test methods.
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- BS EN 12811-1 Codes of Practice for Access and Working Scaffolds and Special Scaffold Structures in Steel
- BS2482 Specification for Timber Boards
- BS1139 Metal Scaffolding

MAXIMUM LOADINGS

Independent - 1no. Lift - $2kN/m^2$ (200kg/m²)
All inside boards at - $0.75kN/m^2$ (75kg/m²)

The listed weight limits cannot be exceeded under any circumstances.

- These limits haven't been adjusted for safety factors (unfactored).
- Do not modify the scaffolding in any way that might affect its stability without written permission from Diamond Design Ltd.

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Client:

CRESCENT SCAFFOLDING LTD

Status:

Construction Issue

Contact Details
Info@diamond-design.co.uk

DIAMOND DESIGN SOLUTIONS

Location: 8 King Street, Manchester

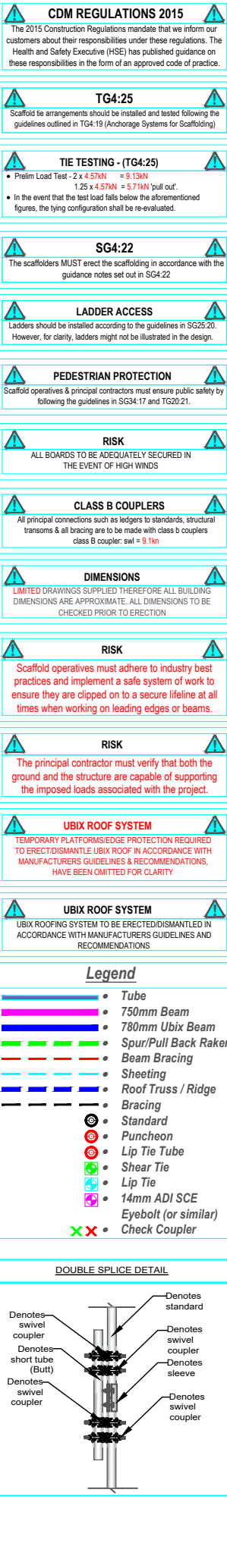
Drawing Title: Independent Access Scaffold With Temporary Roof

Scale:	DWG No.	Revision
N/A (Print in A3)	DDS-1101	D
Drawn by: JC	Checked by: BC	
Sheet No. 07		

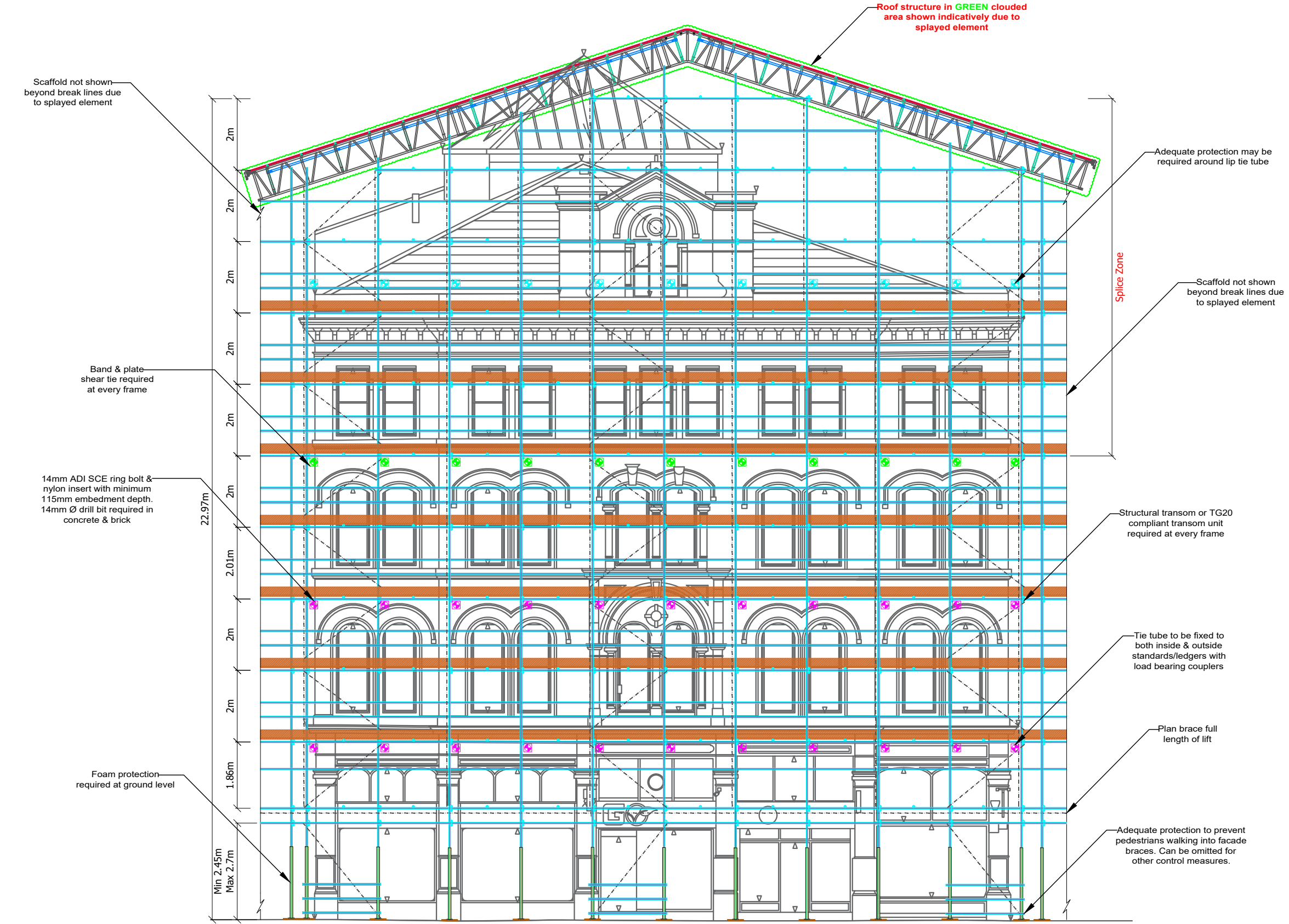
Fundamentals

Max bay length: 2m Max bay width: 5 boards Max transom spacing: 1.2m Max lift height: 2m - 2.7m (Base Lift) Max tie grid: As Shown All connections except board bearers to be made using load bearing couplers, max bay lengths/widths etc must not be exceeded.

Fundamentals



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<u>MAXIMUM LOADINGS</u> <i>Independent - 1no. Lift - 2kN/m² (200kg/m²)</i> <i>All inside boards at - 0.75kN/m² (75kg/m²)</i>		
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 Construction Issue		
Contact Details		
info@diamond-design.co.uk		
 DIAMOND DESIGN SOLUTIONS		
Location: 9 King Street, Manchester		
Drawing Title: Independent Access Scaffold With Temporary Roof		



!

Standard locations are shown indicatively however doorways are to be kept clear at all times

!

Scaffold to be clad with compliant fire retardant monarflex sheeting.

!

Please refer to plan views for bay lengths.

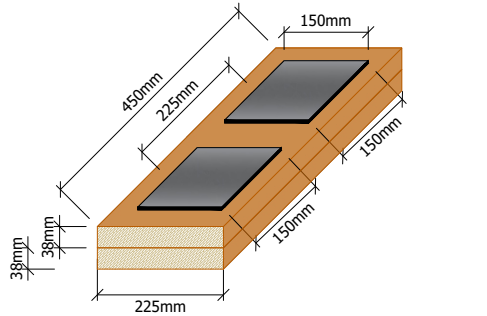
⚠️ SHEAR TIE REQUIREMENTS

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): 20.25kN per bolt - (tension): 9.50kN
- Spacing Distance: Minimum 400mm

⚠️ TG4:25 (SHEAR TIE TESTING REQUIREMENTS)

- Preliminary Load Test - This anchor to 2 x 5.96kN = 11.92kN If the preliminary load test is successful, then apply the proof test load to the supporting anchors. 1.25 x 5.96kN = 7.45kN 'pull out'.
- Should the test load fall below the above figures, then the tying configuration to be re-evaluated.



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⚠️ TG4:25

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⚠️ TIE TESTING - (TG4:25)

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- 1.25 x 4.57kN = 5.71kN 'pull out'.
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⚠️ SG4:22

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Info@diamond-design.co.uk

Location: 8 King Street, Manchester

DIAMOND DESIGN SOLUTIONS

Drawing Title: Independent Access Scaffold With Temporary Roof

Scale: N/A (Print in A3)	DWG No. DDS-1101
Drawn by: JC	Checked by: BC
Sheet No. 09	Date: 26/06/25
	Revision D