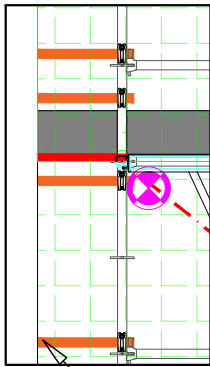


Elevation C-C

Scaffold to be clad with LPS1215 fire retardant sheeting

Blow Up Detail #1



Denotes splay connecting tube. Tube to be secured using load bearing couplers

Plan B-B

Facade of scaffold to be clad with banner

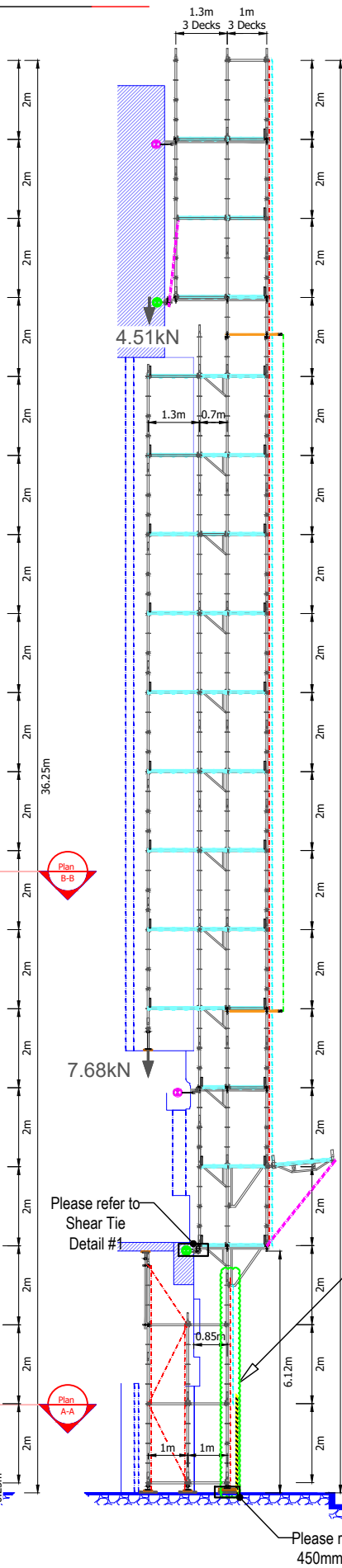
Facade of scaffold to be clad with LPS1215 fire retardant sheeting

2.4m high hoarding to be adequately secured

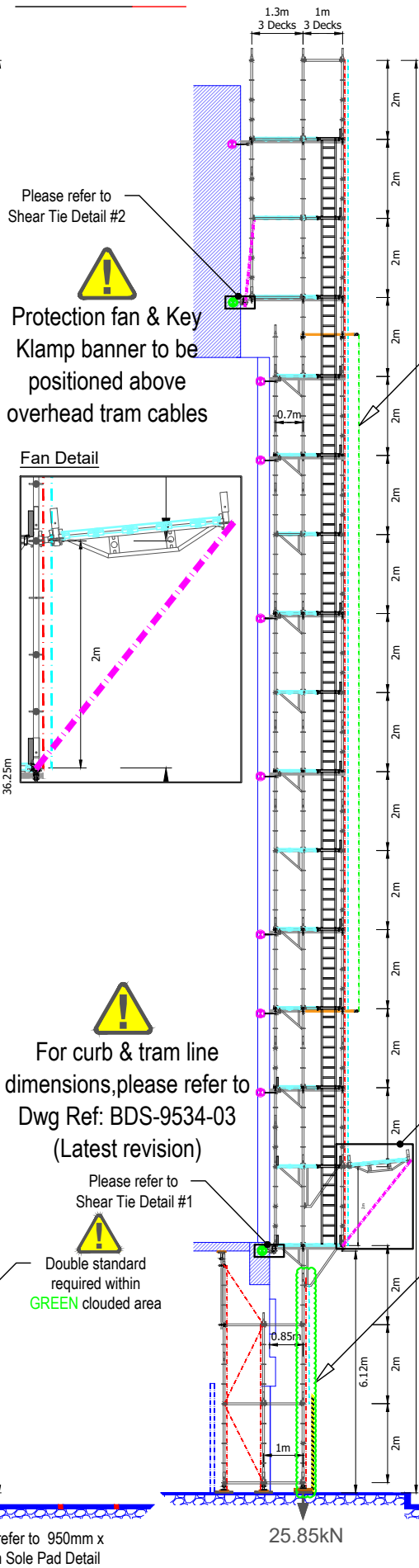
Fundamental Notes

1. Max bay length 2.5m
2. Max bay width 1m
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

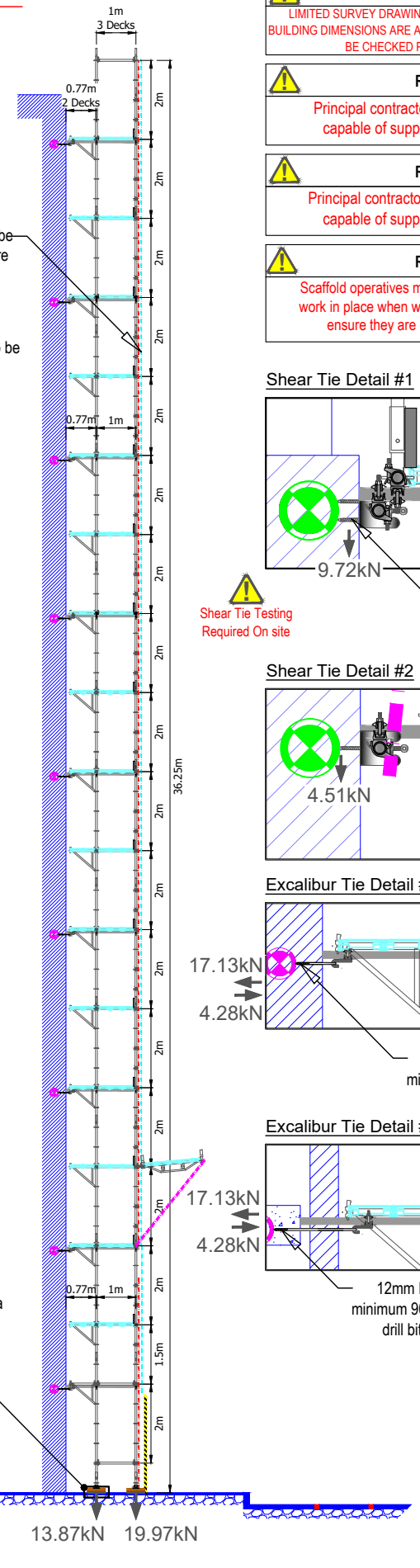
Section D-D



Section E-E



Section F-F



DIMENSIONS

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

RISK

Principal contractor to confirm ground is capable of supporting imposed loads

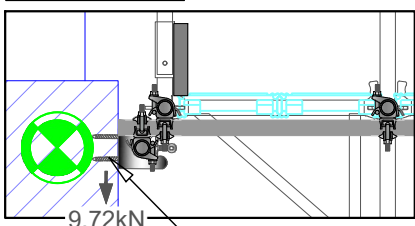
RISK

Principal contractor to confirm structure is capable of supporting imposed loads

RISK

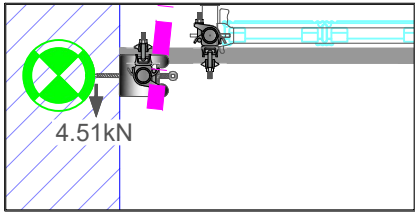
Scaffold operatives must have a safe system of work in place when working on leading edges to ensure they are clipped on at all times

Shear Tie Detail #1

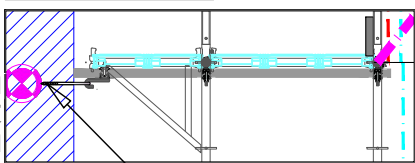


2 no. Band & plate shear ties required at every row of standards

Shear Tie Detail #2

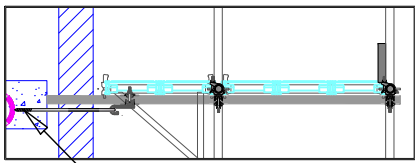


Excalibur Tie Detail #1



12mm Excalibur EYB Screwbolt with minimum 90mm embedment depth. 12mm Ø drill bit required in concrete & brick

Excalibur Tie Detail #2



12mm Excalibur EYB Screwbolt with minimum 90mm embedment depth. 12mm Ø drill bit required in concrete & brick

CDM REGULATIONS 2015

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TG4:19

Scaffold tie arrangements must be erected 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 4.28kN = 8.56kN If the preliminary load test is successful, then apply the proof test load to the supporting anchors. 1.25 x 4.28kN = 5.35kN 'pull out'.
- Should the test load fall below the above figures, then the tying configuration to be re-evaluated.

SG4:22

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

LADDER ACCESS

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

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

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, in line 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

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

Legend

- Tube
- Splay Tube / Banner
- Frame Tube
- Hoarding
- FR Sheeting
- Banner
- Spur/Pull Back Raker
- Bracing
- Standard
- Roof Founded Standard
- Puncheon
- 12mm Excalibur EYB
- Eyebolt (or similar)
- Shear Tie

Client:



MAXIMUM LOADINGS

Independent - 1no. Lift - 2kN/m² (200kg/m²)
Independent - 1no. Lift - 1kN/m² (100kg/m²)
All inside decks - 0.75kN/m² (75kg/m²)

THESE LOADING 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: Debenhams, Market Street, Manchester

Drawing Title: Access Scaffold & Banner Frame

Drawn by: Joe Rigby

Calculations by: J Hollingworth

Draft: 06/03/2023

Signed:

Signed:

Approval: 13/07/2023

Construction: 22/09/2023

Checked by: Mike Brown

Date: 22/09/2023

Signed:

Drawing No.

BDS-9534-02

Revision

D

A Issued For Approval

13/07/2023

B Drawing Amended In line with CP Comments

13/09/2023

C Additional Working Platform Introduced

22/09/2023

D Design Drawing Issued For Construction

22/09/2023

E N/A

N/A

Notes:

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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.



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

Section D-D

Curb & Tram Line Detail

Standards to be situated on adjustable screw jacks

2.4m high hoarding to be adequately secured

2.72m 1.69m

RED hatching denotes tram line

⚠

DIMENSIONS

⚠

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

Section E-E

Curb & Tram Line Detail

Standards to be situated on adjustable screw jacks

2.4m high hoarding to be adequately secured

4.42m 2.72m 1.69m

RED hatching denotes tram line

Section F-F

Curb & Tram Line Detail

2.4m high hoarding to be adequately secured

4.58m 2.87m 1.7m

RED hatching denotes tram line

Fundamental Notes

1. Max bay length 2.5m

2. Max bay width 1m

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

⚠

DIMENSIONS

⚠

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

⚠

RISK

⚠

Principal contractor to confirm ground is capable of supporting imposed loads

⚠

RISK

⚠

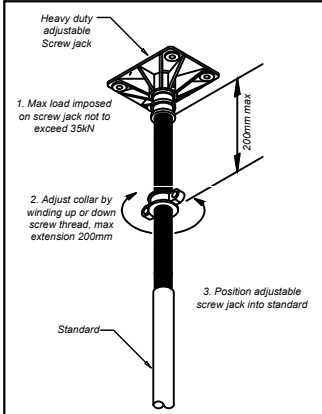
Principal contractor to confirm structure is capable of supporting imposed loads

⚠

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



⚠

CDM REGULATIONS 2015

⚠

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⚠

TG4:19

⚠

Scaffold tie arrangements must be erected 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 4.28kN = 8.56kN If the preliminary load test is successful, then apply the proof test load to the supporting anchors. 1.25 x 4.28kN = 5.35kN '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

⚠

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

⚠

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

⚠

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

⚠

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

Legend

- Tube
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Client:



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Independent - 1no. Lift - 1kN/m² (100kg/m²)
All inside decks - 0.75kN/m² (75kg/m²)

THESE LOADING MUST NOT BE EXCEEDED
All Loadings Unfactored
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Construction Issue

Project: Debenhams, Market Street, Manchester		
Drawing Title: Access Scaffold & Banner Frame		
Drawn by: Joe Rigby	Calculations by: J Hollingworth	Draft: 06/03/2023
Signed:	Signed:	Approval: 13/07/2023 Construction: 22/09/2023
Checked by: Mike Brown		Date: 22/09/2023
Signed:		

Drawing No.		Revision
BDS-9534-03		D
A	Issued For Approval	13/07/2023
B	Drawing Amended In line with CP Comments (07/09/2023) & Re Issued For Approval	13/09/2023
C	Additional Working Platform Introduced	22/09/2023
D	Design Drawing Issued For Construction	22/09/2023
E	N/A	N/A

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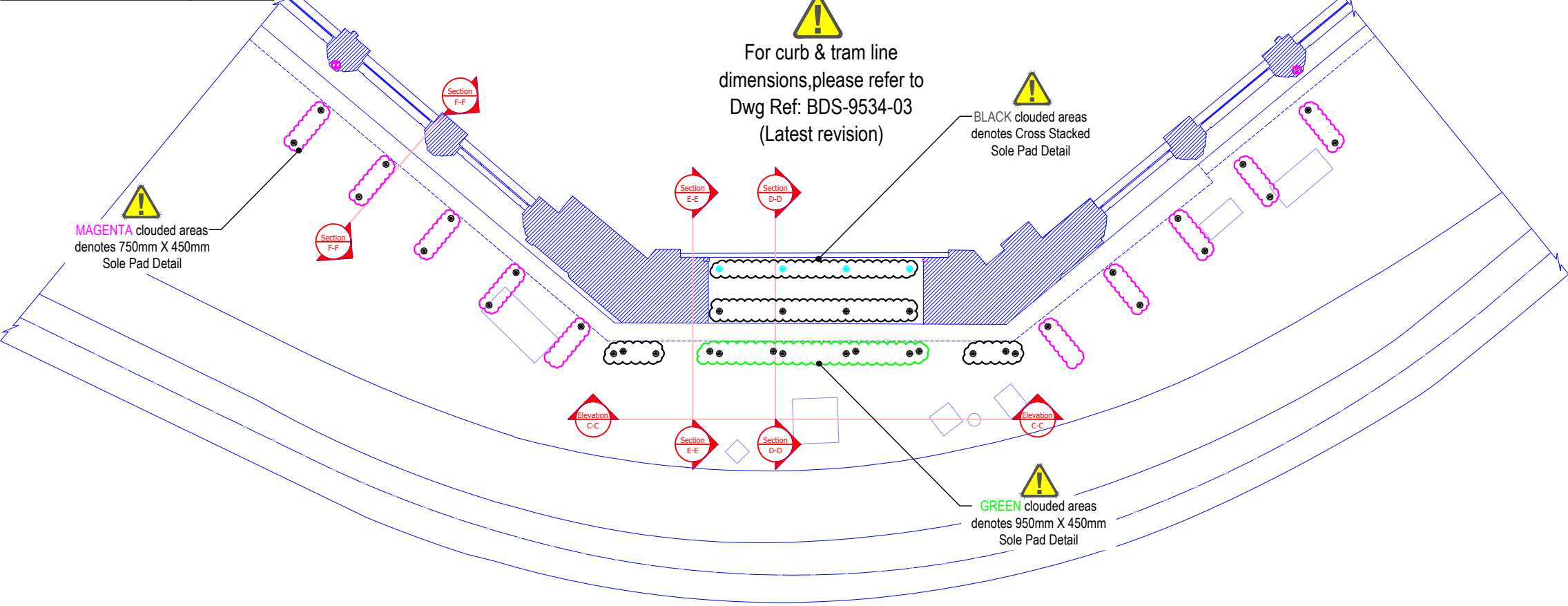
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BS EN 13374:2013 Temporary edge protection systems - Product specification, test methods.



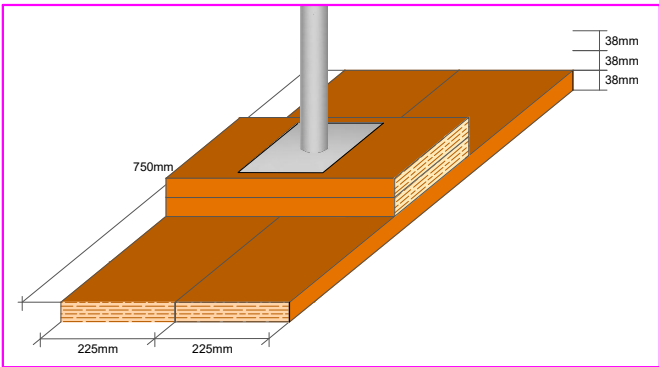
Please print all drawings in colour A3 min

Drawing not to scale dimensions as per drawing

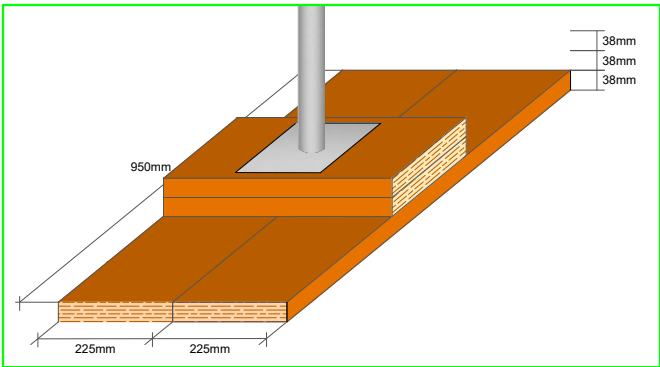
Sole Pad Arrangement



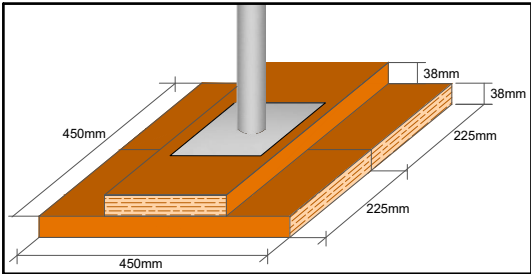
750mm x 450mm Sole Pad Detail



950mm x 450mm Sole Pad Detail



Cross Stacked Sole Pad Detail



DIMENSIONS

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

RISK

Principal contractor to confirm ground is capable of supporting imposed loads

RISK

Principal contractor to confirm structure is capable of supporting imposed loads

RISK

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Project: Debenhams, Market Street, Manchester		
Drawing Title: Access Scaffold & Banner Frame		
Drawn by: Joe Rigby	Calculations by: J Hollingworth	Draft: 06/03/2023
Signed:	Signed:	Approval: 13/07/2023
Checked by: Mike Brown		Construction: 22/09/2023
Signed:		Date: 22/09/2023

Drawing No.		Revision
BDS-9534-05		D
A	Issued For Approval	13/07/2023
B	Drawing Amended In line with CP Comments (07/09/2023) & Re Issued For Approval	13/09/2023
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