



CREST

SCAFFOLDING LTD.



656 LIVERPOOL ROAD • IRLAM • MANCHESTER M44 5AD
TEL: 0161-776 1055 • FAX: 0161-775 9990 • E-mail: info@crestscaffoldingltd.co.uk
Web: www.crestscaffoldingmanchester.co.uk

21/09/2022

FAO: Mr Hamadi

Program for Scaffold Removal 33-35 Piccadilly

- 1) 25/04/23 - Build Protection Gantry on Pavement approx. 5m wide to underside of beamwork — 3 days
- 2) 01/05/23 - Dismantle External Cantilever Scaffold — 5 days
- 3) 08/05/23 - Dismantle Internal Scaffold — 3 days
- 4) 11/05/23 - Dismantle Protection Gantry — 2 days

If you have any questions regarding this program, please give me a call.

Kind Regards

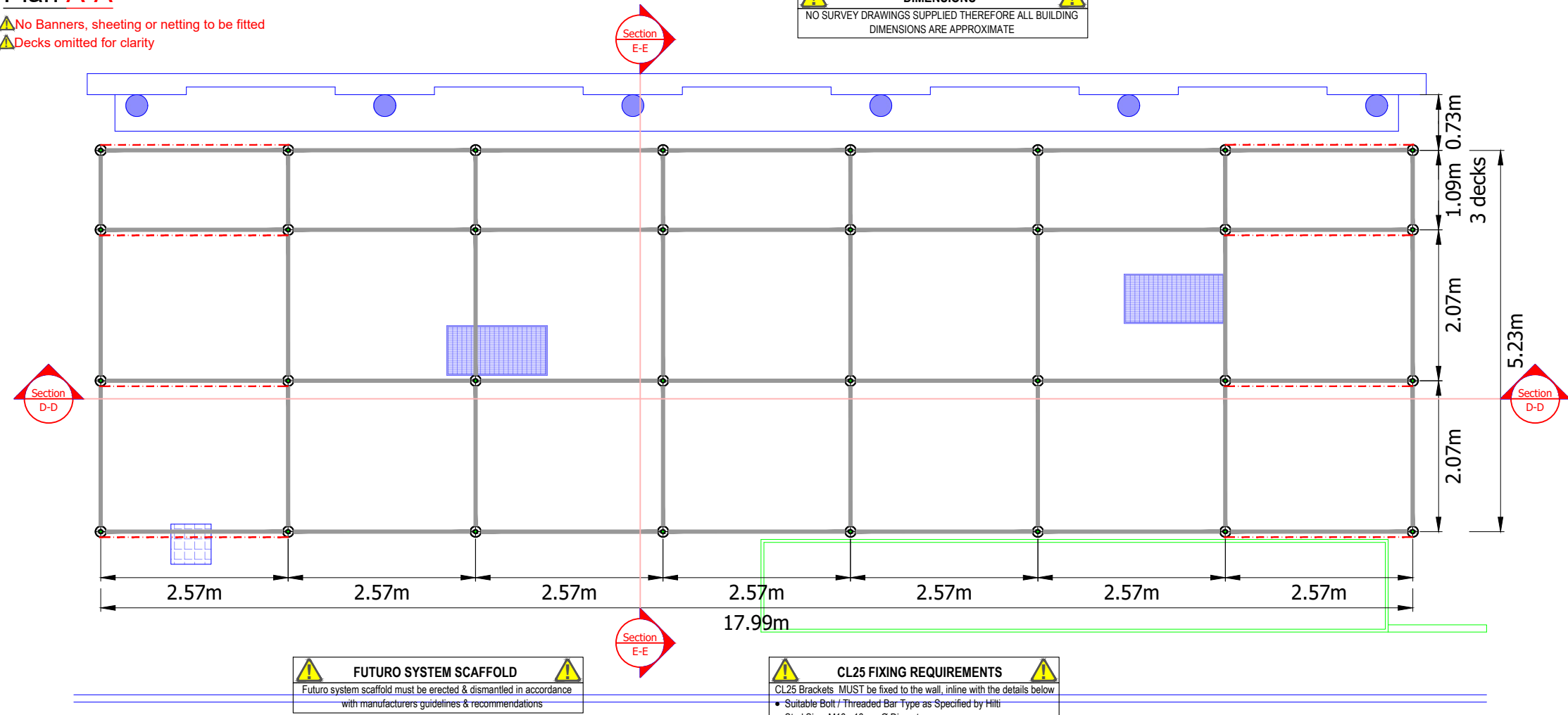
Jon McCoy

Contract Manager

0772582329S

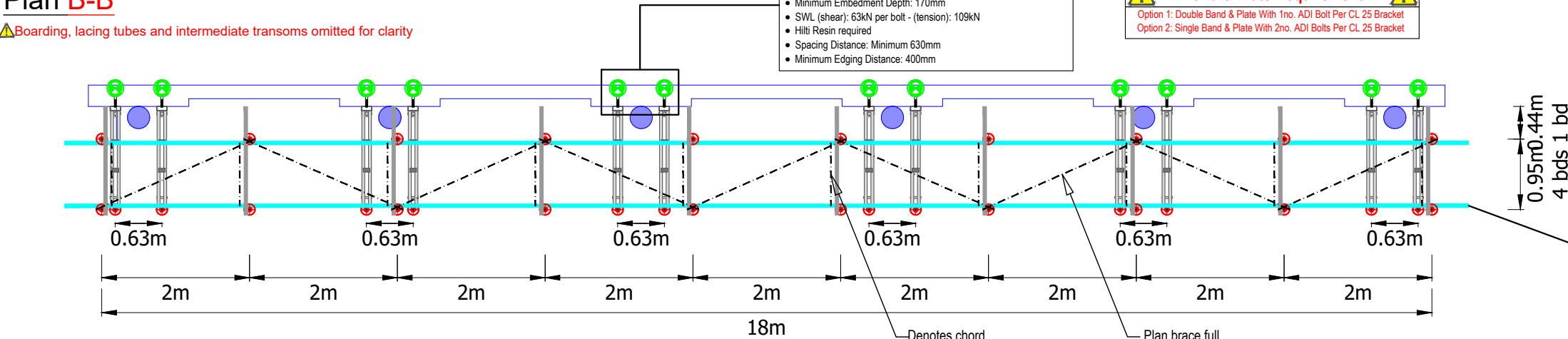
Plan A-A

No Banners, sheeting or netting to be fitted
Decks omitted for clarity



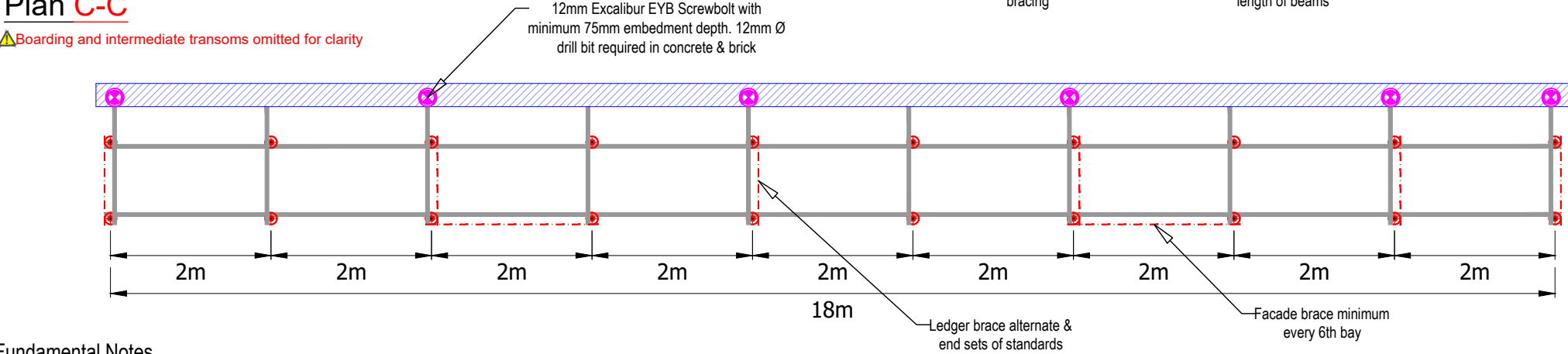
Plan B-B

Boarding, lacing tubes and intermediate transoms omitted for clarity



Plan C-C

Boarding and intermediate transoms omitted for clarity



Fundamental Notes

- Max bay length 2m (independent) - 2.57m (protection Deck)
- Max bay width 4 boards (independent) - 2.07m (protection Deck)
- Max transom spacing 1.2m (independent) - N/A (protection Deck)
- Max lift height 2m - 2.7m (Base Lift)
- 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 - 8sqm (Ties required to full perimeter of banner frame as shown)

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 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 5.06kN = 10.12kN if the preliminary load test is successful, then apply the proof test load to the supporting anchors. 1.25 x 5.06kN = 6.33kN 'pull out'.
• Should the test load fall below the above figures, then the tying configuration to be re-evaluated.

SG4:15
The scaffolders MUST erect the scaffolding in accordance with the guidance notes set out in SG4:15

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

RISK
NO BANNERS, SHEETING OR NETTING TO BE FIXED TO LOW LEVEL PROTECTION SCAFFOLD

PEDESTRIAN PROTECTION
PROTECTION TO THE PUBLIC MUST BE MAINTAINED IN ACCORDANCE WITH SG34:17 & TG20:13

RISK
ALL BOARDS 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

Legend

- Tube
- 450mm Beam
- Banner Frame
- Pull Back Raker
- Beam Bracing
- Bracing
- Standard
- Puncheon
- Shear Tie
- CL25 Bracket Tie
- 12mm Excalibur EYB Eyebolt (or similar)
- Check Coupler

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

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

RISK
Principal contractor to confirm ground is capable of supporting imposed loads

RISK
Principal contractor to confirm structure is capable of supporting imposed loads

HAZARD
SCAFFOLD OPERATIVES MUST WEAR DOUBLE LANYARD HARNESSES WHEN ERECTING CANTILEVERED SECTION, TO ENSURE THEY ARE CLIPPED ON AT ALL TIMES

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

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
TG20:13 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.

MAXIMUM LOADINGS
Independent - 1no. Lift - 2kN/m² (200kg/m²)
Birdcage - 1no. Lift - 2kN/m² (200kg/m²)
All inside boards at - 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

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

Approval Only

Client:

CREST SCAFFOLDING LTD

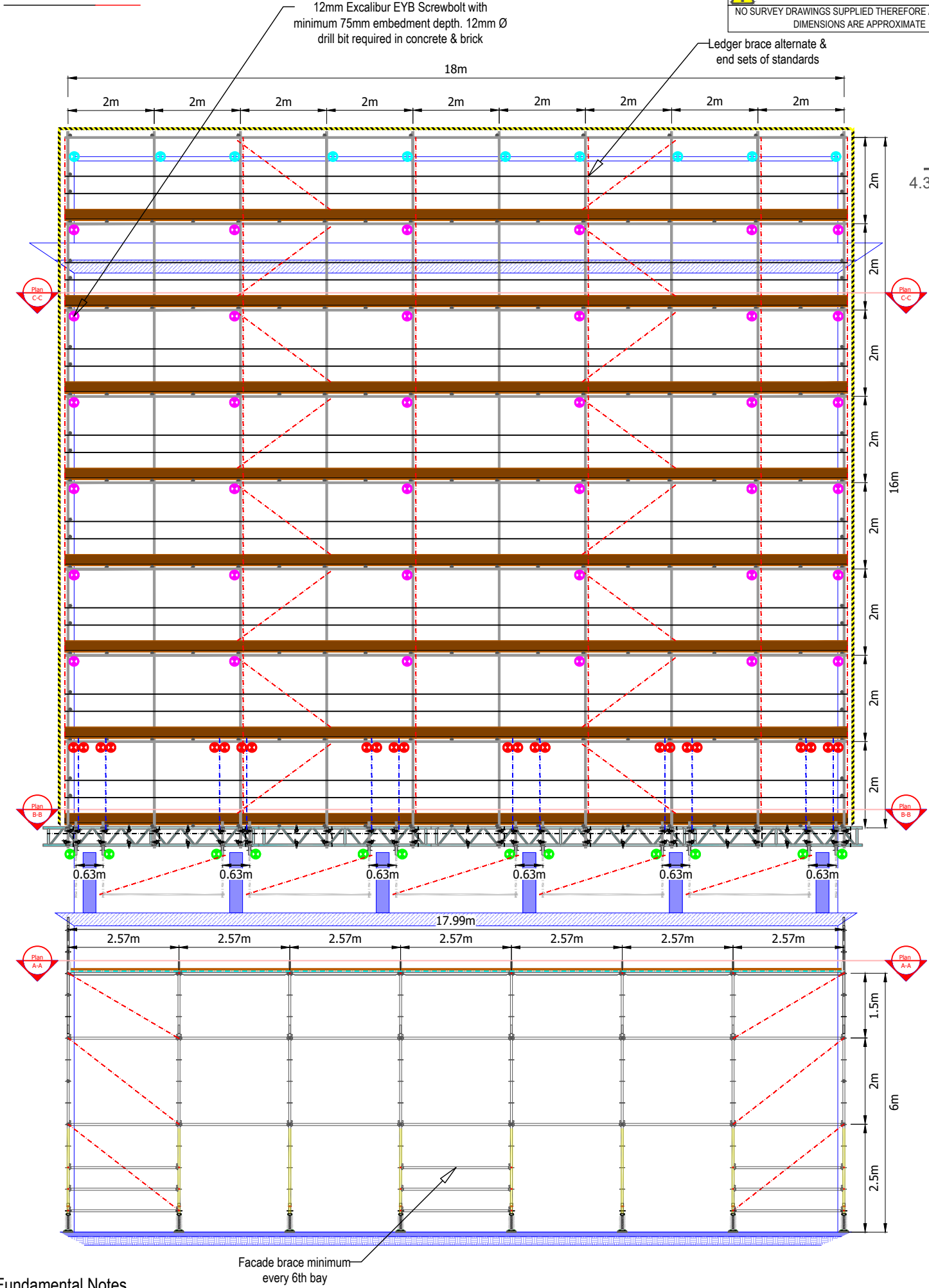
BDS SCAFFOLD DESIGN SPECIALISTS
T: 0800 270 7998 E: info@buckleydesigns.co.uk

Project: Piccadilly Gardens, Mcr
Drawing Title: Cantilevered Access Scaffold & Protection Gantry
Drawn by: Jonny Hollingworth Draft: N/A
Signed: Approval: 10/06/2021
Construction: TBC
Checked by: Mike Brown Date: 10/06/2021
Signed:

Drawing No.	Revision
BDS-7125-01	N/A
Drawing Scale: N/A	
Revisions:	
A	N/A
B	N/A
C	N/A
D	N/A
E	N/A

DIMENSIONS
NO SURVEY DRAWINGS SUPPLIED THEREFORE ALL BUILDING DIMENSIONS ARE APPROXIMATE

Section D-D



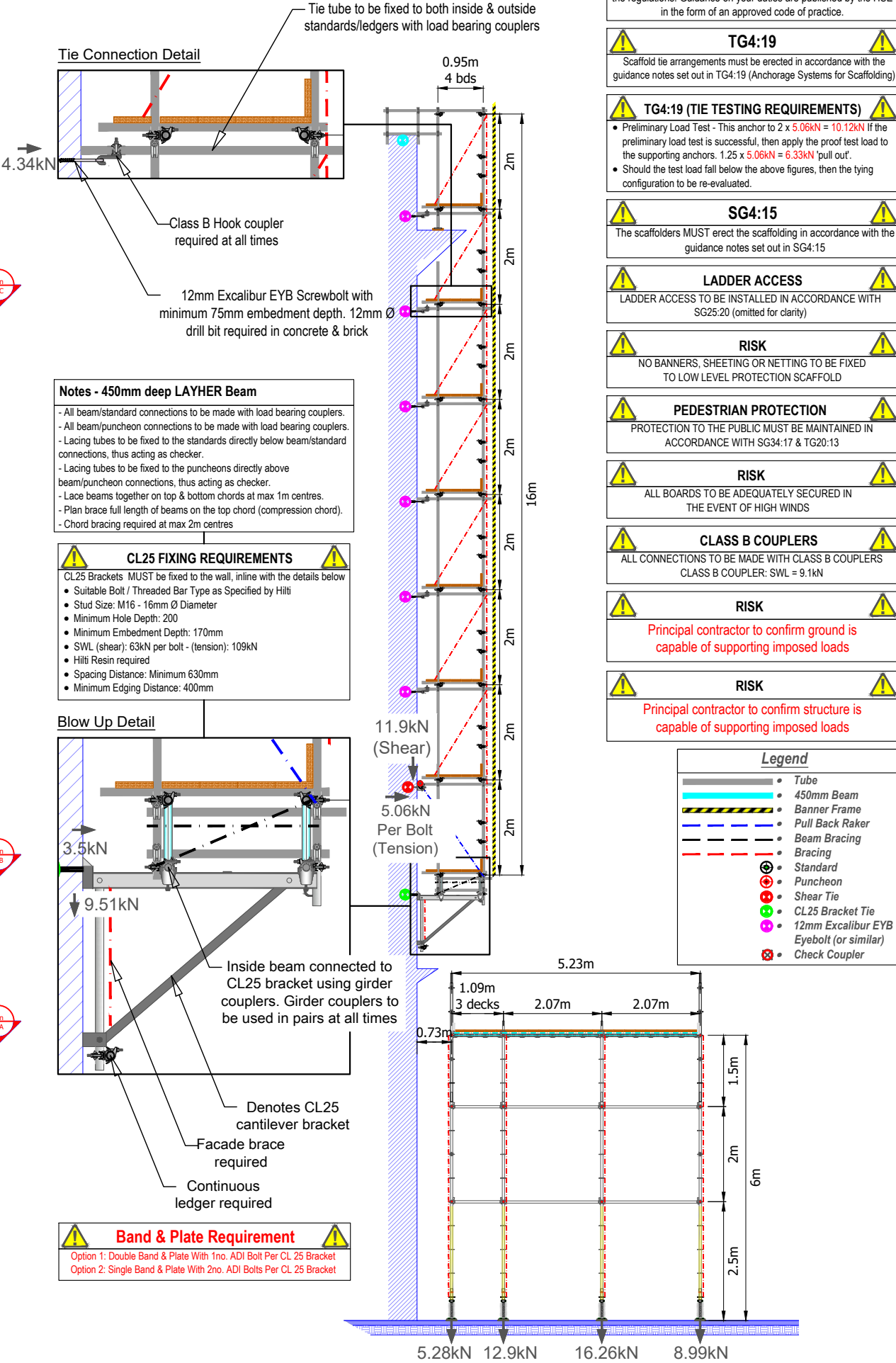
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4. Max lift height 2m - 2.7m (Base Lift)
5. All connections except board bearers to be made using load bearing fittings
6. Exact standard locations may vary on site, however max bay lengths/widths etc must not be exceeded
7. Max tie grid - 8sqm (Ties required to full perimeter of banner frame as shown)

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Section E-E



Notes - 450mm deep LAYHER Beam

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- Plan brace full length of beams on the top chord (compression chord).
- Chord bracing required at max 2m centres

CL25 FIXING REQUIREMENTS

CL25 Brackets MUST be fixed to the wall, inline with the details below

- Suitable Bolt / Threaded Bar Type as Specified by Hilti
- Stud Size: M16 - 16mm Ø Diameter
- Minimum Hole Depth: 200
- Minimum Embedment Depth: 170mm
- SWL (shear): 63kN per bolt - (tension): 109kN
- Hilti Resin required
- Spacing Distance: Minimum 630mm
- Minimum Edging Distance: 400mm

Blow Up Detail

Inside beam connected to CL25 bracket using girder couplers. Girder couplers to be used in pairs at all times

Denotes CL25 cantilever bracket

Facade brace required

Continuous ledger required

Band & Plate Requirement

Option 1: Double Band & Plate With 1no. ADI Bolt Per CL 25 Bracket

Option 2: Single Band & Plate With 2no. ADI Bolts Per CL 25 Bracket

FUTURO SYSTEM SCAFFOLD

Futuro system scaffold must be erected & dismantled in accordance with manufacturers guidelines & recommendations

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BDS SCAFFOLD DESIGN SPECIALISTS

T: 0800 270 7998 E: info@buckleydesigns.co.uk

Project: Piccadilly Gardens, Mcr

Drawing Title: Cantilevered Access Scaffold & Protection Gantry

Drawn by: Jonny Hollingworth Draft: N/A

Signed: Approval: 10/06/2021

Construction: TBC

Checked by: Mike Brown Date: 10/06/2021

Signed:

Drawing No. **BDS-7125-02** Revision **N/A**

Drawing Scale: N/A

Revisions:	
A	N/A
B	N/A
C	N/A
D	N/A
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