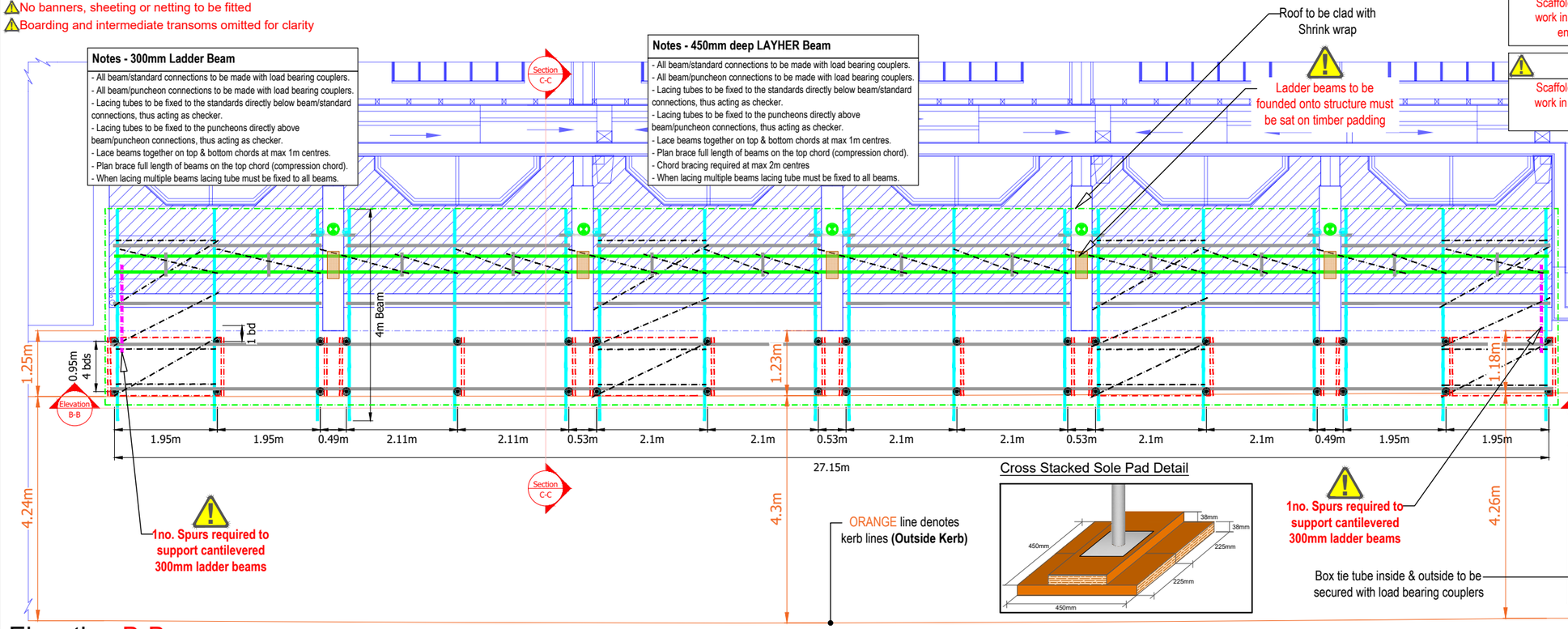
Plan A-A

⚠ No banners, sheeting or netting to be fitted
⚠ Boarding and intermediate transoms omitted for clarity

Notes - 300mm Ladder 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).
- When lacing multiple beams lacing tube must be fixed to all beams.

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.



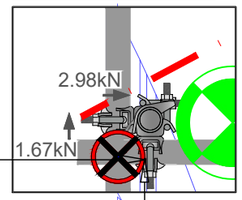
Legend
- Tube
- Ladder Beam
- 450mm Beam
- Tin Sheet Hoarding
- Spur
- Beam Bracing
- Shrink Wrap
- Bracing
- Kerb Line
- Standard
- Hanger
- Box Tie
- Check Coupler

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

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

Cross Stacked Sole Pad Detail

Blow Up Connection Detail



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.

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 BOARDS TO BE ADEQUATELY SECURED IN THE EVENT OF HIGH WINDS

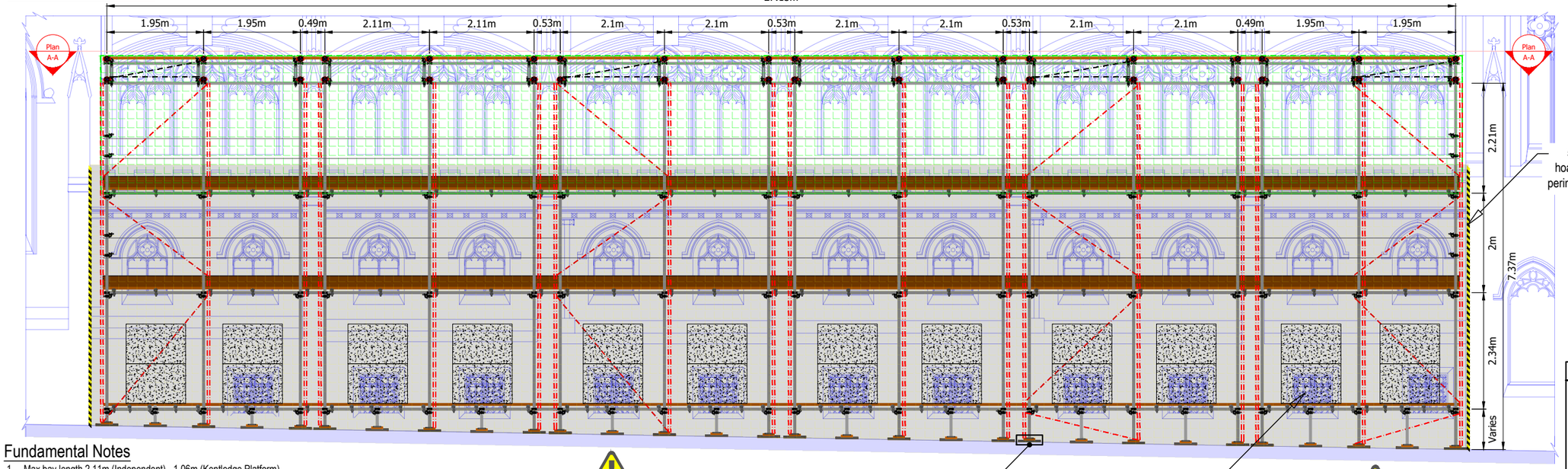
CLASS B COUPLERS
ALL LOAD BEARING CONNECTIONS TO BE MADE WITH CLASS B COUPLERS
CLASS B COUPLER: SWL = 9.1kN

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

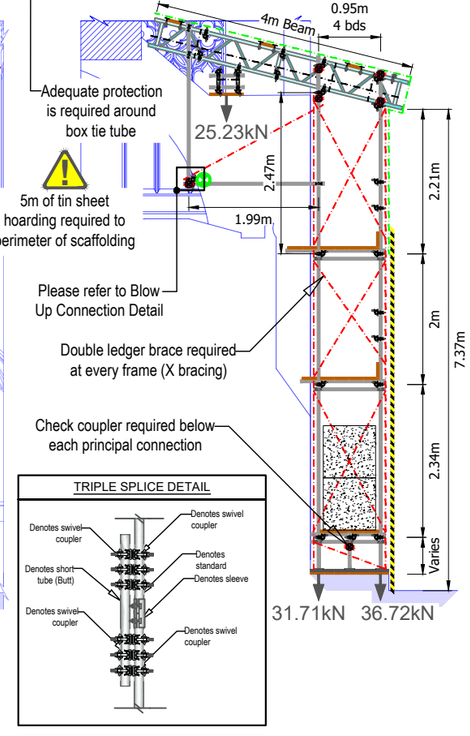
RISK
Principal contractor to confirm structure is capable of supporting imposed loads

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

Elevation B-B



Section C-C



TRIPLE SPLICE DETAIL

Fundamental Notes

1. Max bay length 2.11m (Independent) - 1.06m (Kentledge Platform)
2. Max bay width 4 boards (Independent) - 0.48m (Kentledge Platform)
3. Max transom spacing 1.2m (Independent) - 0.53m (Kentledge Platform)
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

⚠ Principal Contractor To Confirm Protection To The Building & Ensure All Scaffold That Comes Into Contact With Structure Has Adequate Protection

Please refer to Cross Stacked Sole Pad Detail

⚠ 2no. LG6 Legato Concrete Blocks Required Per Frame (33.99kN Required Per Frame)

⚠ INSIDE & OUTSIDE STANDARDS TO BE TIPPLE SPLICED AT EVERY FRAME

Client:
CONNOLLY Scaffolding Ltd

MAXIMUM LOADINGS
Independent - 1no. Lift - 2kN/m² (200kg/m²)
All inside boards at - 0.75kN/m² (75kg/m²)
Kentledge Platform - 33.9kN/m² (3,390kg/m²)

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

Approval Only

Project: John Rylands Library,Wood Street, Manchester
Drawing Title: Freestanding Temporary Roof

Drawn by: Hayden Allan	Calculations by: Joe Rigby	Draft: 28/11/2025
Signed:	Signed: J.Rigby	Approval: 19/01/2026
		Construction: TBC
Checked by: Jonny Hollingworth		Date: 22/01/2026
Signed:		

Drawing No. CO002 -11731-1-Rev-B
Page No. 01

		Revision
A	Lift Heights Altered & Drawing Issued For Approval	19/01/2026
B	Kerb Lines Introduced	22/01/2026
C	N/A	N/A
D	N/A	N/A
E	N/A	N/A

Notes:

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

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

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

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