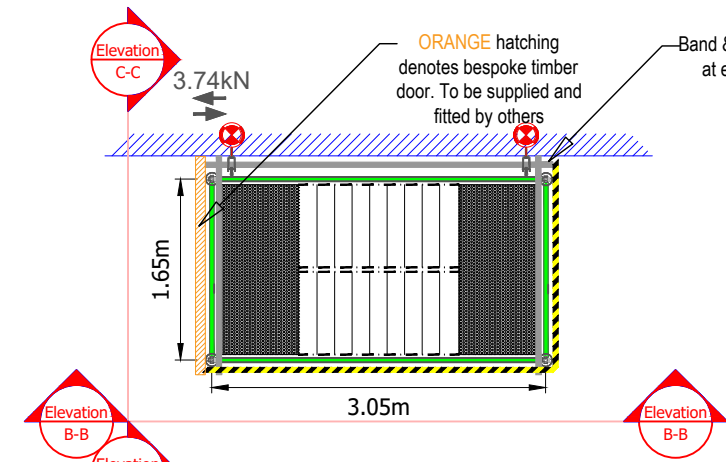
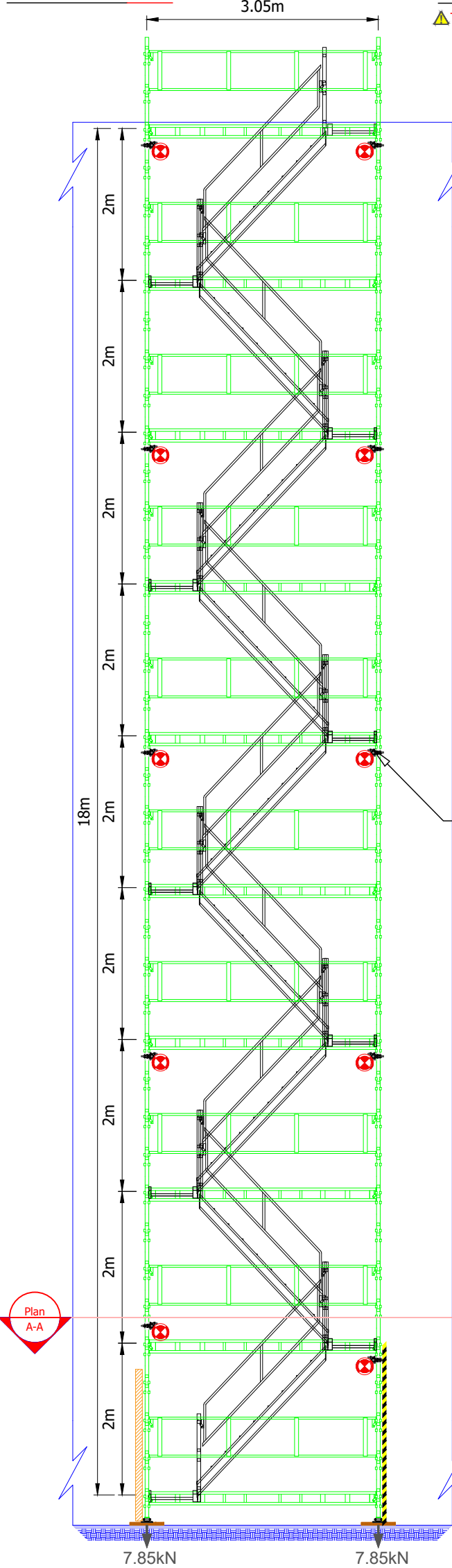


Plan A-A

No banners, sheeting or netting to be fitted



Elevation B-B



Fundamental Notes

1. Max bay length 3.05m
2. Max bay width 1.65m
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

NO SURVEY DRAWINGS SUPPLIED THEREFORE ALL BUILDING DIMENSIONS ARE APPROXIMATE. ALL DIMENSIONS TO BE CHECKED PRIOR TO ERECTION

Legend

- Tube
- Hoarding
- Standard
- Shear Tie

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)

SG4:15

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

RISK

NO BANNERS, SHEETING OR NETTING TO BE FIXED TO THE SCAFFOLD ABOVE THE HOARDING

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 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

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.

MAXIMUM LOADINGS

Haki Staircase - Max 10no. Operatives

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



Project: Palace Theatre, Manchester

Drawing Title: Haki Stair Tower

Drawn by: Adam McCann Draft: N/A

Signed: [Signature] Approval: 01/12/2022 Construction: TBC

Calculations by: J Hollingworth

Signed: [Signature] Approval: 01/12/2022 Construction: TBC

Checked by: Mike Brown Draft: N/A

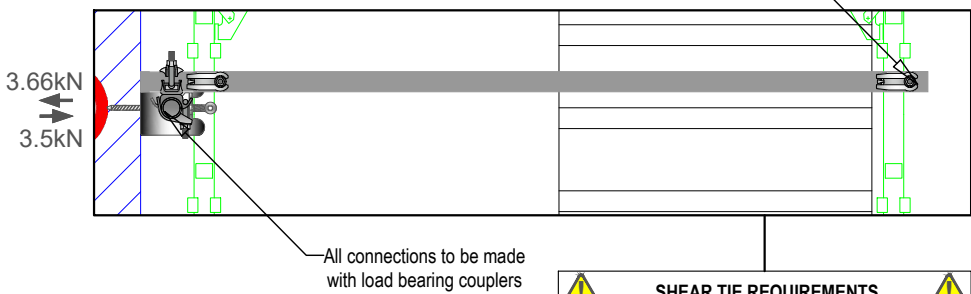
Signed: [Signature] Approval: 01/12/2022 Construction: TBC

Drawing No. BDS-9108-01 Revision N/A

Drawing Scale: N/A

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

Shear Tie Connection Detail



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

TG4:19 (SHEAR TIE TESTING REQUIREMENTS)

- Preliminary Load Test - This anchor to 2 x 3.5kN = 7kN If the preliminary load test is successful, then apply the proof test load to the supporting anchors. 1.25 x 3.5kN = 4.4kN 'pull out'.
- Should the test load fall below the above figures, then the tying configuration to be re-evaluated.

RISK

Principal contractor to confirm ground is capable of supporting imposed loads

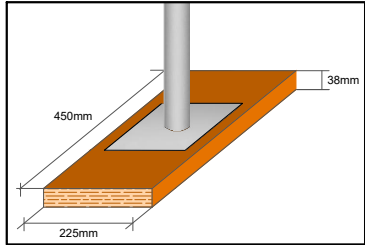
RISK

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

Sole Pad Detail



Please refer to Shear Tie Connection Detail

All connections to be made with load bearing couplers

Plan A-A

Please refer to Sole Pad Detail

HAKI STAIR TOWER

HAKI STAIR TOWER TO BE ERECTED/DISMANTLED IN ACCORDANCE WITH MANUFACTURERS GUIDELINES AND RECOMMENDATIONS