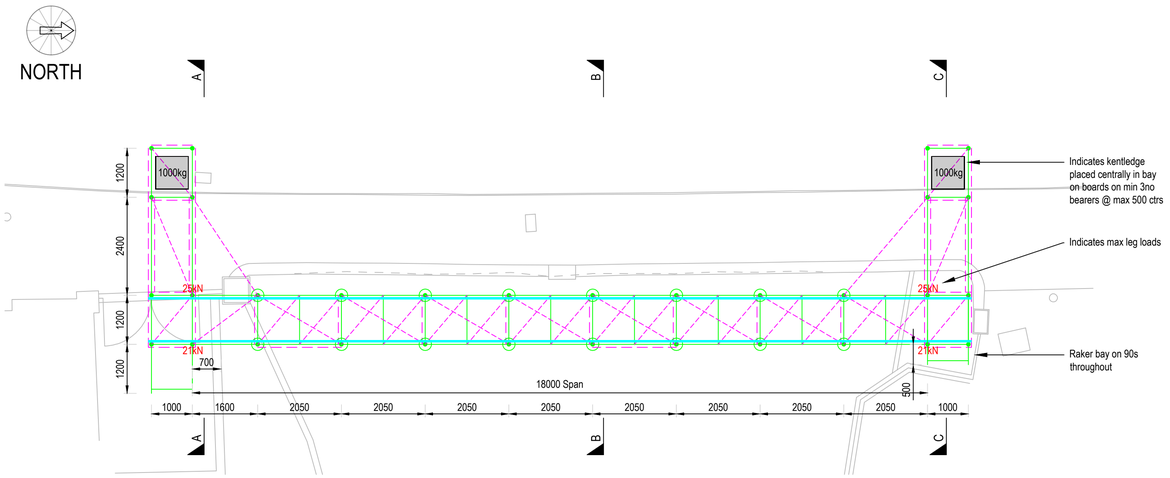
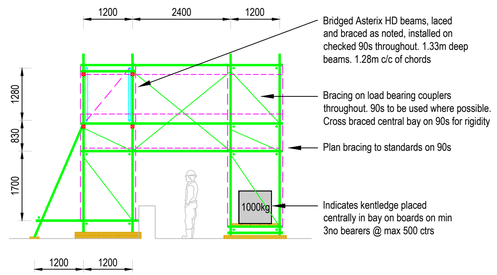
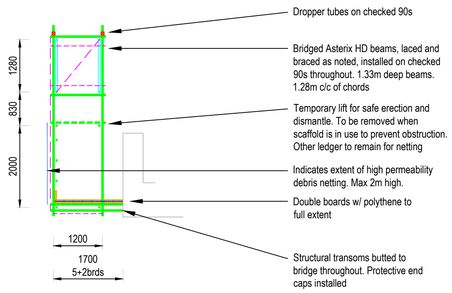


PLAN LAYOUT



SECTION A-A



SECTION B-B

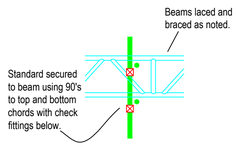
BRIDGED 1330mm ALLOY ASTERIX HD BEAMS LACED;
- **1.05m c/c to top chord,**
- **1.05m c/c to bottom chord,**
- **plan braced to TOP and BOTTOM chord nodes (1.05m c/c),**
- **section braced @ 2.025m c/c.**
- **all connections made using load-bearing couplers.**

Minimum Performance (safe working):
Bending resistance = 90.00kNm
Shear resistance = 32.6kN

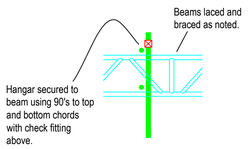
SCAFFOLD CLAD USING HIGH PERMEABILITY DEBRIS NETTING.

SCAFFOLD ERECTED USING TYPE 4 TUBE AND CLASS B FITTINGS.

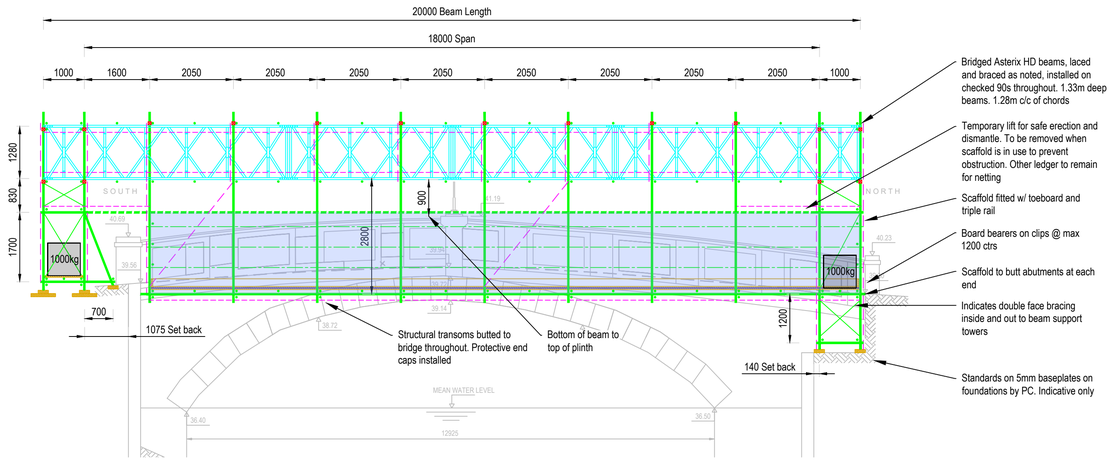
MAX IMPOSED LOAD ALLOWANCE CLASS 2.
1No LIFT @ 1.50kN/m² (+ 1No @ 50% IF PRESENT)
INSIDE BOARDS RATED AT 0.75kN/m².



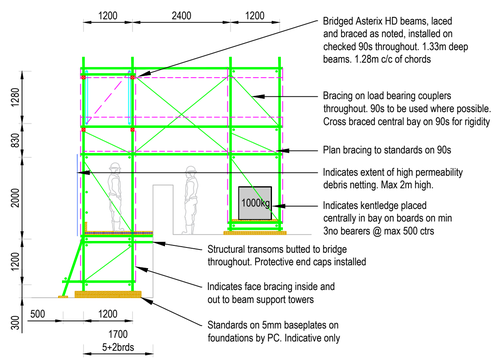
STANDARD CONNECTION
(N.T.S)



HANGAR CONNECTION
(N.T.S)



ELEVATION



SECTION C-C

GENERAL NOTES

Property
This drawing is confidential and is the property of Optima Scaffold Designs LLP. No unauthorised use, copy or disclosure is to be made without written permission.
Drawings must be printed full size in colour.

CDM Regulations 2015
The Construction (Design & Management) Regulations 2015, regulation 9, requires that we make the client aware of their duties imposed by the regulations.
Client duties are detailed within The Construction (Design & Management) Regulations 2015.

Basis of Design
This drawing has been prepared from information supplied to us by, or on behalf of the principal contractor, who should check that his requirements have been correctly interpreted and that all loading, dimensions, lift heights, bay sizes, erection/striking sequences etc. are as required and practicable.
This drawing has been prepared in accordance with the following:
NASC TG20:21, BS EN 12811-1:2003
BS 5975:2019 Code of practice for temporary works procedures and the permissible stress design of falsework.
BS EN 1991-1-3:2003+A1:2015 Snow Loads
BS EN 1991-1-4:2005+A1:2010 Wind Actions
All scaffolding materials forming this structure are to comply with NASC TG20:21 & BS EN 12811-1:2003.
Scaffold tube taken as BS EN 39:2001 type 4 "as new" condition unless stated otherwise.
All scaffold fittings taken as load-bearing class A fittings unless stated otherwise.
All proprietary equipment must be used in accordance with the manufacturers information.
Scaffolding structure to be erected and maintained by competent operatives in accordance with NASC SG4 and Work at Height Regulations 2005.
Scheme to be read in conjunction with the scaffold contractors quotation, risk assessment and method statement for which the scaffold contractor is responsible.

Wind / Snow Loads
The exposure period in respect of wind and snow loads of this temporary structure is a maximum of 2 years, unless reduced in the text below.
Advice regarding temporary structures with an intended life-span exceeding 2 years can be found within NASC SG41.

Working Platforms
All working platforms must comply with the statutory regulations at all times.
Scaffold boards are to be restrained against movement as per NASC TG12.

Foundations/Supports
The principal contractor is responsible for the design of all foundations, below the scaffold baseplate.
Where scaffold equipment is supported or suspended from an existing structure the principal contractor must ensure that the existing structure is adequate to safely support the scaffold loads.

Ties /Butts
The principal contractor is responsible for ensuring the existing structure is capable of safely withstanding the scaffold tie /butt loads.
Tie selection should be made by the scaffold contractor using guidance from NASC TG4.
Anchors should be fixed and tested in accordance with NASC TG4.
All ties tubes to be fixed with load-bearing couplers.
The principal contractor is to ensure that no ties are removed without the approval of Optima Scaffold Designs LLP.

Permanent Works
Optima Scaffold Designs LLP cannot and will not pass comment on any building being shored as this involves matters beyond our knowledge. It is the principal contractors responsibility to ensure that the permanent structure will safely span between our supports, and can be safely shored in the way indicated.
The principal contractor must ensure the stability of the permanent structure at all times.

Temporary Roofs
No temporary roof can be made watertight.
For mono-pitch temporary roofs, the minimum slope angle of the roof sheeting is 5° when using CI sheets.
For all roof systems the manufacturers recommendations should be followed.
All temporary roofs to be in accordance with NASC TG9.

Sheeting/Fans
No wind protection, sheeting, fans, or hoarding etc. to are to be added to the scaffolding structure unless otherwise stated on this drawing.

Kentledge /Ground Anchors
Where kentledge or anchorage is specified on the drawing, it must be installed prior to erection of the scaffold above the 1st lift.

Modifications
No modifications or alterations are to be made to the scaffold structure detailed on this drawing without written permission from Optima Scaffold Designs LLP.

Dimensions
Written dimensions shall take precedence over scaled dimensions.
The contractor must verify all site dimensions and notify Optima Scaffold Designs LLP of any discrepancies.
The contractor is responsible for accurately setting the position of the scaffold structure.

Generic Designs.
Any individual selecting a generic design for a specific project takes on the role of designer under CDM 2015.
Generic designs must be assessed for suitability by the designer, noting the 'basis of design' above.

DESIGN NOTES

Platform Imposed Load
1No. lift @ 1.50kN/m², inside boards rated @ 0.75kN/m²

Environmental Loads
wind (qp) = 0.449kN/m²
exposure period, <2yrs

Foundation Load
maximum load per standard = 25kN

Butt Loads
max compression = 3.0kN per butt

Check Category (BS5975)
category 1

FOR CONSTRUCTION

Revision	Date	Description	Prepared	Checked
-	-	-	---	---
-			---	---
B	05/06/2024	Issued for construction.	W.H.	T.D.
A	18/04/2024	Notes, loads and views added. Issued for approval	W.H.	T.D.
-	06/04/2024	1st draft - Prelim layout proposal	W.H.	---

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SHEET SIZE - ISO A1

OPTIMA Scaffold Designs LLP

NASC DESIGN MEMBER

Client
SONIC SCAFFOLDING 2000 LTD.

Project Title
HIGHBRIDGE, READING

Drawing Title
BRIDGED ACCESS SCAFFOLD - EAST ELEVATION

Drawing Number	Revision	Scale
23/OPT/18254-002	B	1:75