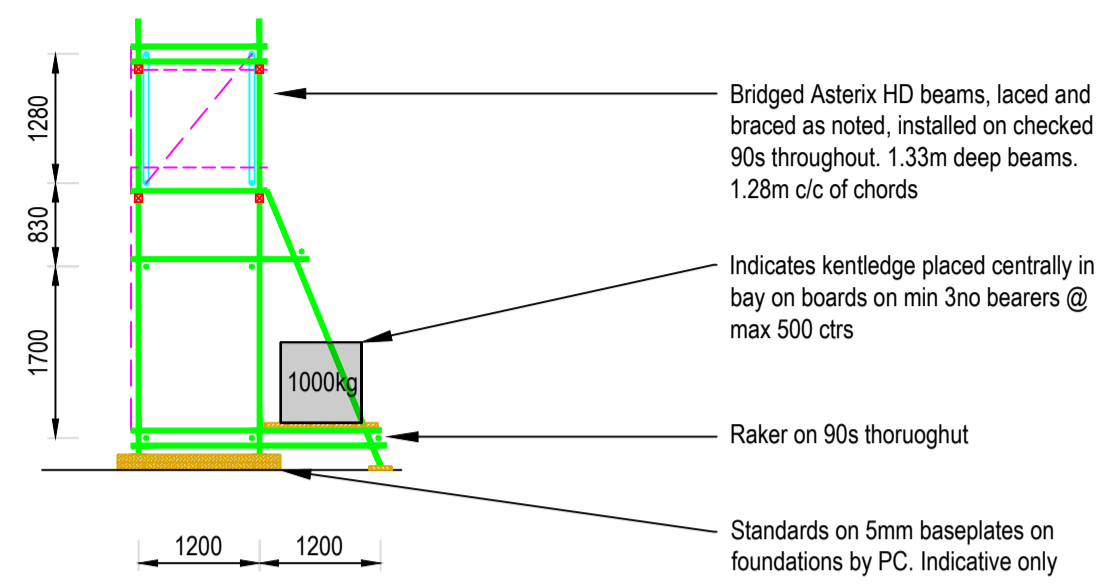
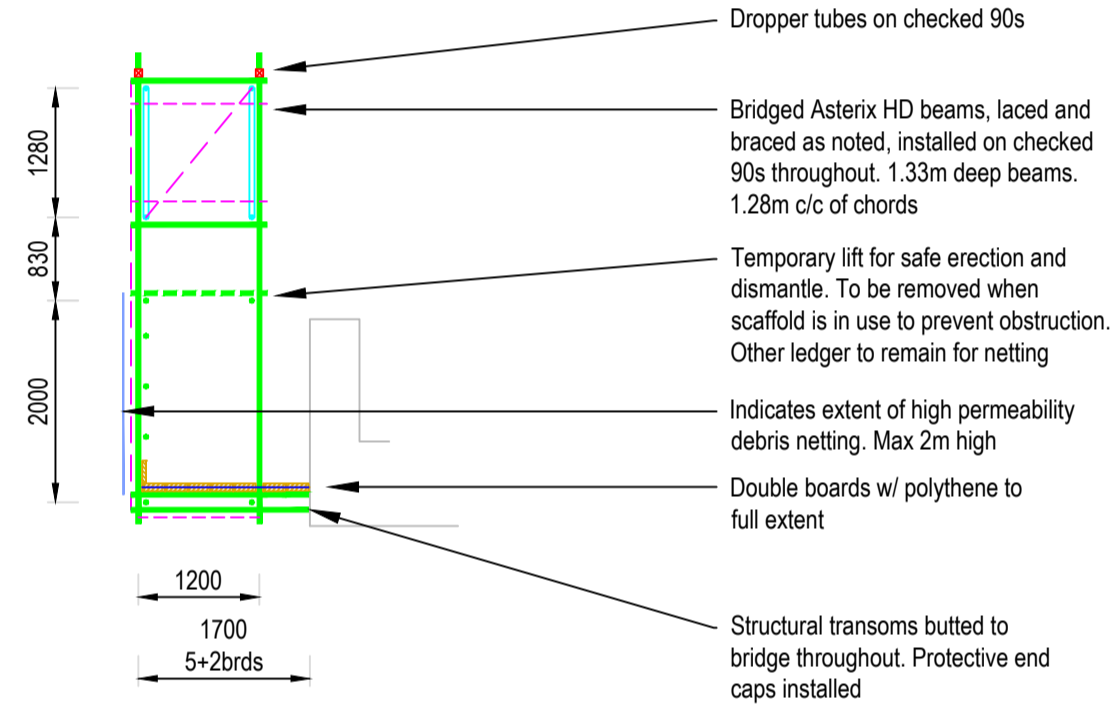


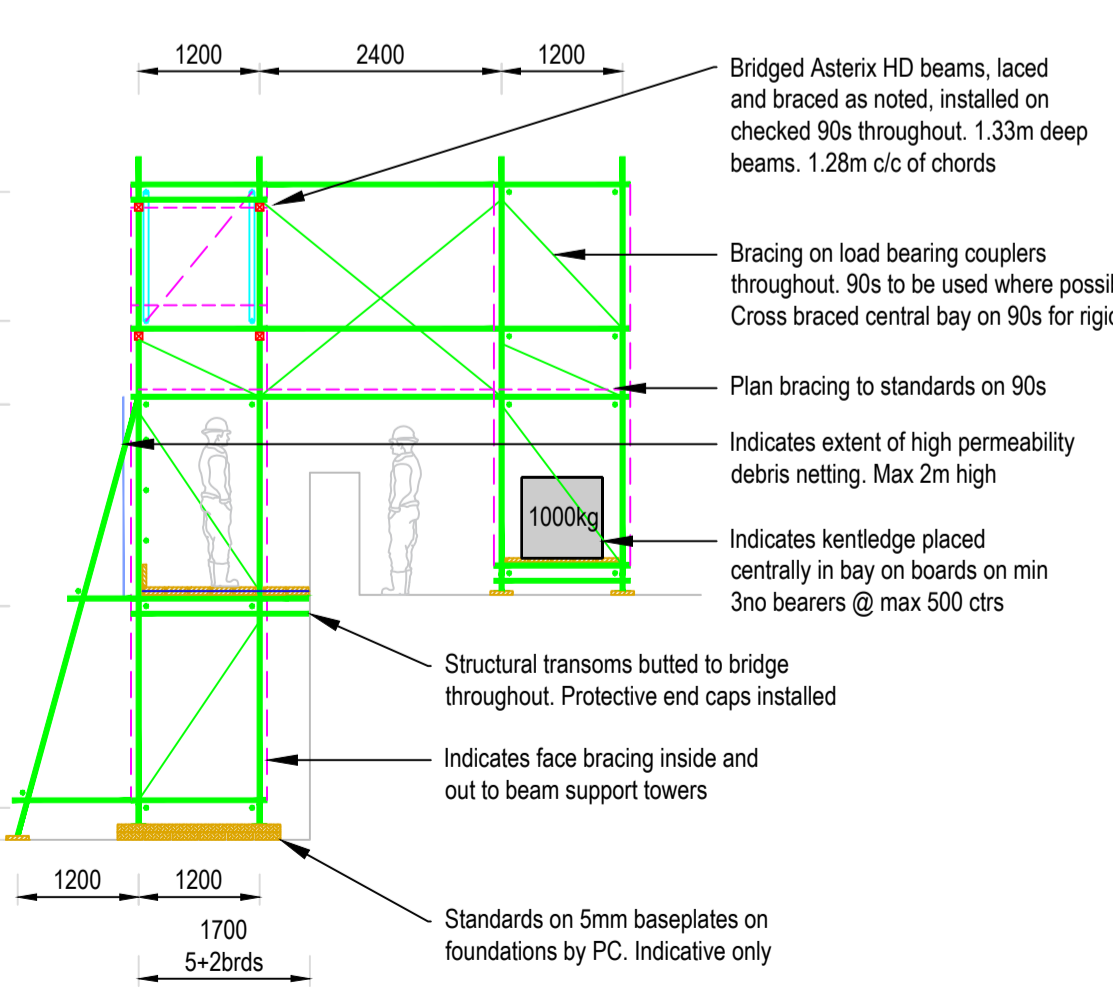
PLAN LAYOUT



SECTION A-A



SECTION B-B

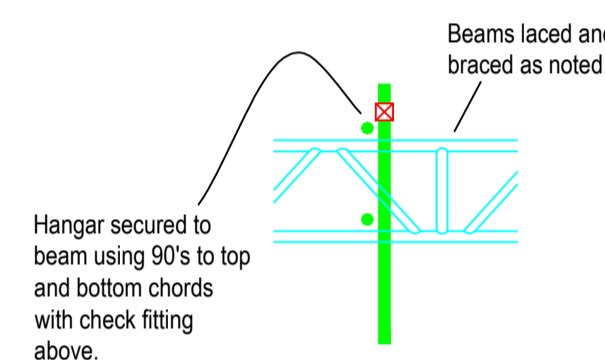
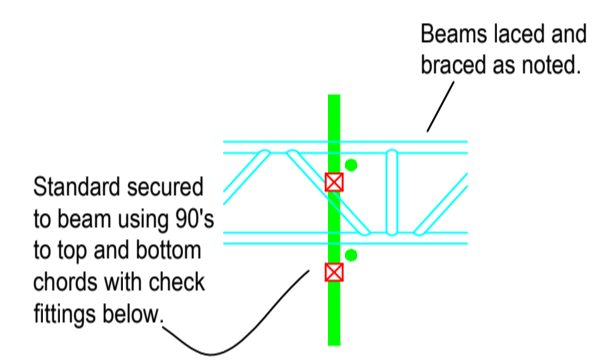


SECTION C-C

BRIDGED 1330mm ALLOY ASTERIX HD BEAMS LACED;

- 1.075m c/c to top chord,
- 1.075m c/c to bottom chord,
- plan braced to TOP and BOTTOM chord nodes (1.0m c/c),
- section braced @ 2.15m c/c.
- all connections made using load-bearing couplers.

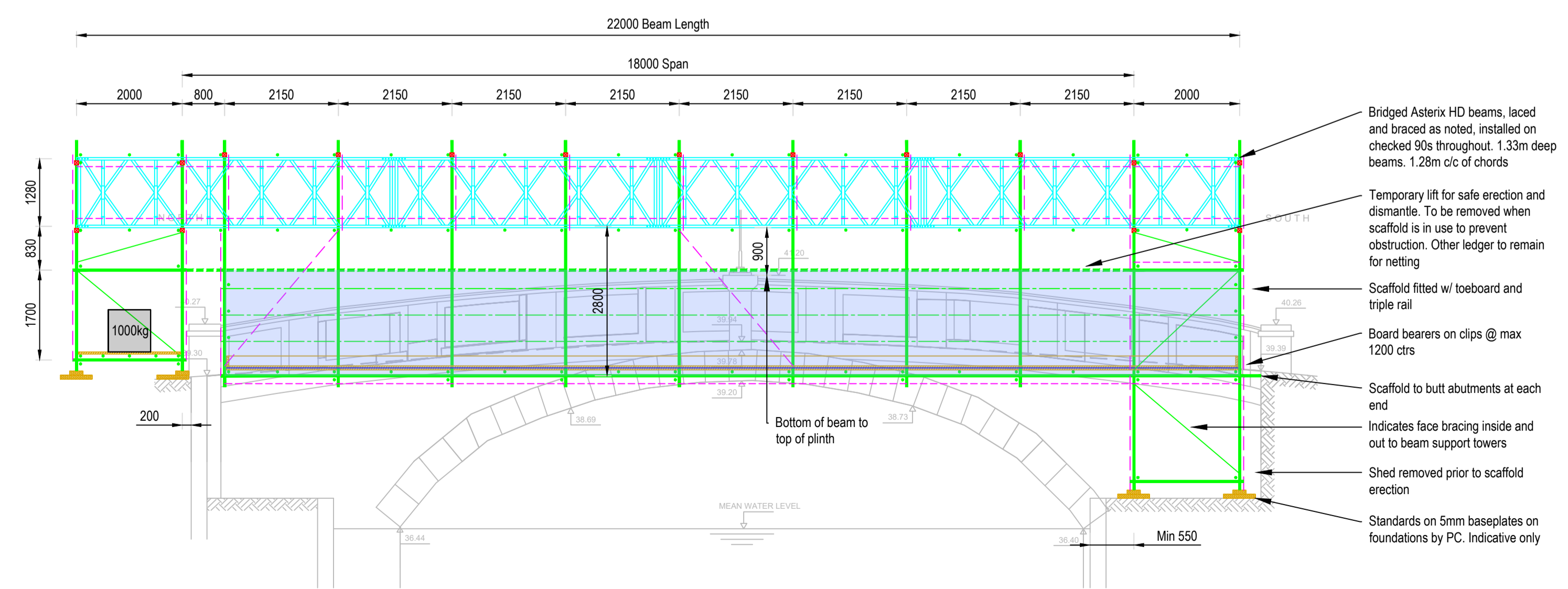
Minimum Performance (safe working):
 Bending resistance = 90.00kNm
 Shear resistance = 32.6kN



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.



ELEVATION

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/dismantling sequences etc. are as required and practicable.
 This drawing has been prepared in accordance with the following:
 NASC TG202.21 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 TG202.21 & BS EN 12811-1:2003.
 Scaffold tube taken as BS EN 39:2001 type A "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 manufacturer's information.
 Scaffolding structure to be erected and maintained by competent operatives in accordance with NASC SG4 and Work at Height Regulations 2005. Scaffolds to be used in conjunction with the scaffold contractor's quotation, risk assessment and method statement for which the scaffold contractor is responsible.

Wind Speed Loads
 The exposure period in respect of wind and snow loads of this temporary structure is a maximum of 2 years, unless stated in the text below.
 Advice regarding temporary structures with an intended life-span exceeding 2 years can be found within NASC SG4.1.

Working Platforms
 All working platforms must comply with the statutory regulations at all times.
 Scaffolds are to be retained against movement as per NASC TG12.2.

Foundations/Supports
 The principal contractor is responsible for the design of all foundations, below the scaffold baseplate.
Tie Bars
 The principal contractor is responsible for ensuring the existing structure is capable of safely withstanding the scaffold tie bar 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 tie 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 contractor's 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 manufacturer's recommendations should be followed.
 All temporary roofs to be in accordance with NASC T09.

Sheeting/Fans
 No wind protection, sheeting, fans, or hoarding etc. 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 scaffolding 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 fabricating 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 (q_{ref}) = 0.448kN/m²
 exposure period, <2yrs

Foundation Load
 maximum load per standard = 27kN

Butt Loads
 max compression = 3.0kN per butt
 Check Category (BS5975)
 category 1

Revision	Date	Description	Prepared	Checked
D	05/06/2024	Issued for construction.	W.H.	T.D.
C	05/04/2024	Layout amended. Butress added. Loads added.	W.H.	T.D.
B	18/03/2024	Notes, boarded lift and lift heights amended.	W.H.	---
A	16/10/2023	Erection lift added. Tie detail amended.	W.H.	---
-	13/10/2023	1st draft	W.H.	---

29a Osprey Court | Hemfield Business Park | Bross | SS14 0BB
 Tel: 01275 383944
 Email: info@optima-designs.co.uk
 www.optima-designs.co.uk

OPTIMA Scaffold Designs LLP

NASC
 REGISTERED

SHEET SIZE - A0-A1

Client	SONIC SCAFFOLDING 2000 LTD.		
Project Title	HIGHBRIDGE, READING		
Drawing Title	BRIDGED ACCESS SCAFFOLD - WEST ELEVATION		
Drawing Number	23/OPT/18254-001	Revision	D
Scale	1:75		