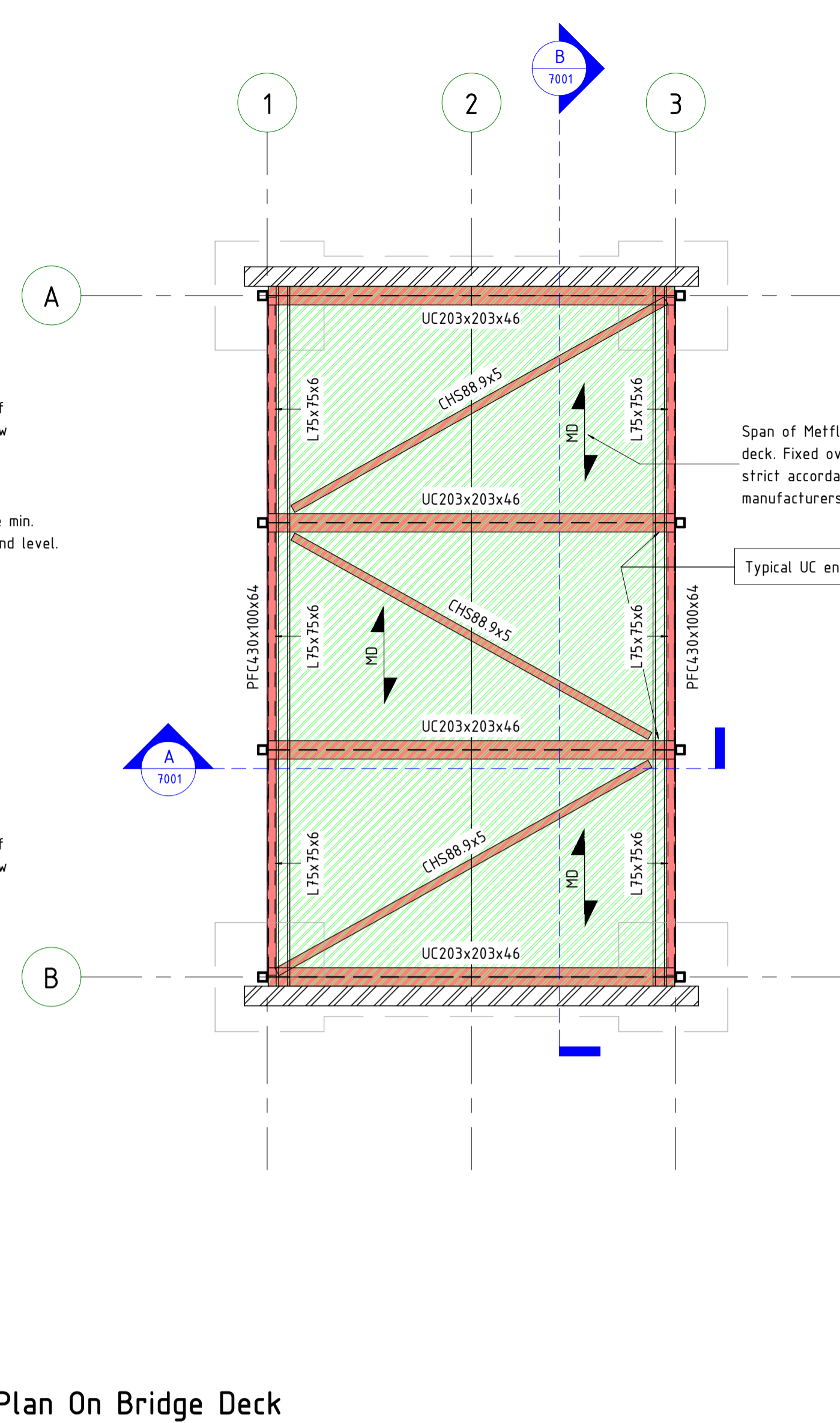


Plan On Bridge Foundations

1 : 50



Plan On Bridge Deck

1 : 50

COMPOSITE FLOOR NOTES

- Decking to be Metfloor 60 0.9mm min. gauge.
- No decking lengths are to be cut to single span without approval from the decking manufacturer.
- All edge trim to be 12mm thick (luno), secure with restraint straps at 600mm centres.
- Minimum bearing requirement for decking is 50mm onto steel, 75mm onto concrete.
- Each sheet must have fixings at approx. 300mm centres at panel ends and one fixing in lap joints at the intermediate supports.
- All work shall be undertaken in accordance with the Steel Construction Institutes publication 'Good Practice in Composite Floor Construction' and technical information provided by the manufacturer of the composite steel decking.
- Unless otherwise stated on the drawings, the composite floor construction and supporting steelwork have been designed as un-propped. Any temporary propping requirements to be agreed with the principle contractor.
- Prior to placement of concrete any surface grease, oil and dirt must be removed. Heaping of wet concrete must be strictly avoided. The wet concrete must be poured evenly, working in the direction of the span only.
- The thickness of wet concrete provided in any one pour shall not exceed the steel decking manufacturers recommendations. RC40 concrete topping.

FOUNDATION NOTES

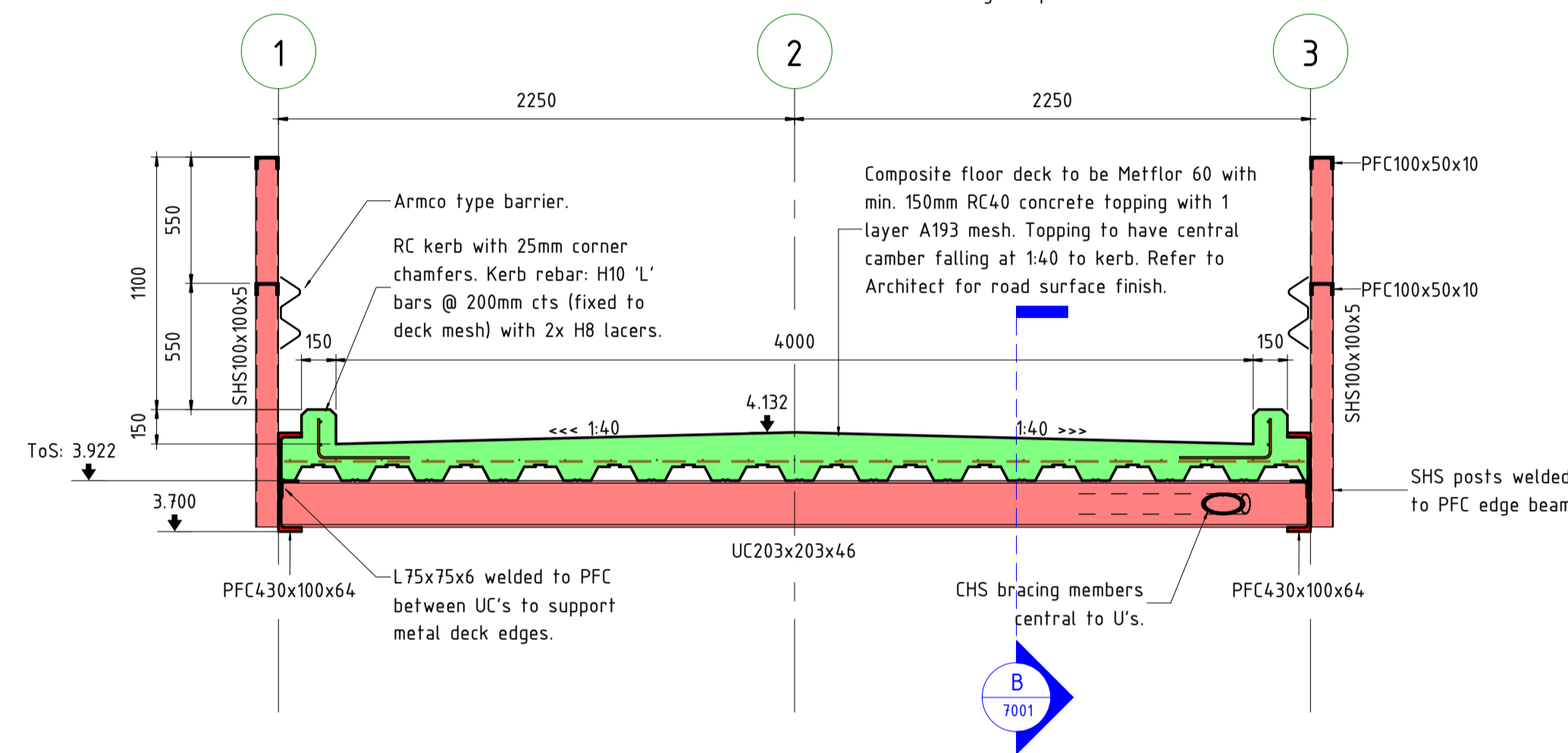
- For details of ground conditions refer to the Ground Investigation Report prepared by GeoDyne Ltd dated 24-03-2023.
- The engineer shall be notified immediately of any variations to the reported ground conditions.
- All foundations shall be constructed to the minimum sizes as noted on the drawing.
- The foundations have been designed assuming a minimum Ground Bearing Pressure of 100kN/m<sup>2</sup> is achievable on site. The bearing stratum for foundations shall be agreed with the Engineer and Building Control Officer before construction commences.
- Excavations to depths greater than those shown on the drawing shall not be undertaken without prior approval of the engineer.
- All obstructions, old foundations, disused sewers etc... shall be removed for the extent of the foundation works and backfilled to the approval of the engineer.
- All concrete works shall be carried out in accordance with the 'Concrete Specification'.
- The following mixes are to be used in accordance with BS EN 1992-1 (Design of Concrete Structures):  
**BRIDGE FOUNDATIONS**  
 Concrete Designation/Strength Class - RC30 (C25/30)  
 Minimum Cement Content - 320 kg/m<sup>3</sup>  
 Maximum Free Water / Cement Ratio - 0.55  
 Nominal Aggregate Size - 20mm  
 Design Sulphate Class DS-1  
 ACEC classification AC-2z
- An appropriate concrete mix should be adopted in accordance with BRE Special Digest 1 for all buried concrete to suit the Design Sulphate Class and ACEC Classification.

GENERAL NOTES

- THIS IS AN A1 DRAWING, IF REPRODUCED IN ANY OTHER FORMAT THE SCALE SHOWN WILL BE INCORRECT. ANY AMBIGUITIES, OMISSIONS AND ERRORS, OR INCONSISTENCIES WITH OTHER DOCUMENTS, ON THIS DRAWING SHOULD BE NOTIFIED IMMEDIATELY TO THE DESIGN MANAGER BEFORE THE COMMENCEMENT OF WORKS ON SITE. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE STATED.
- ALL DIMENSIONS ARE TO BE CHECKED ON SITE. ANY DISCREPANCIES ARE TO BE NOTIFIED IMMEDIATELY TO THE DESIGN MANAGER BEFORE THE COMMENCEMENT OF WORKS ON SITE.
- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT DRAWINGS AND SPECIFICATIONS FOR THIS PROJECT AND APPARENT INCONSISTENCIES BROUGHT TO THE ATTENTION OF THE DESIGN MANAGER.
- THE CONTRACTOR IS TO CHECK AND VERIFY WITH ALL STATUTORY AUTHORITIES AND THE EMPLOYER THE LOCATION AND CONDITION OF ANY UNDERGROUND OR OVERHEAD SERVICES OR CONFIRM THAT NONE EXIST PRIOR TO WORK COMMENCING ON SITE.
- THE CONTRACTOR SHALL COMPLY WITH ENACTMENTS, REGULATIONS AND WORKING RULES RELATING TO SAFETY, HEALTH AND WELFARE OR WORKFORCE.

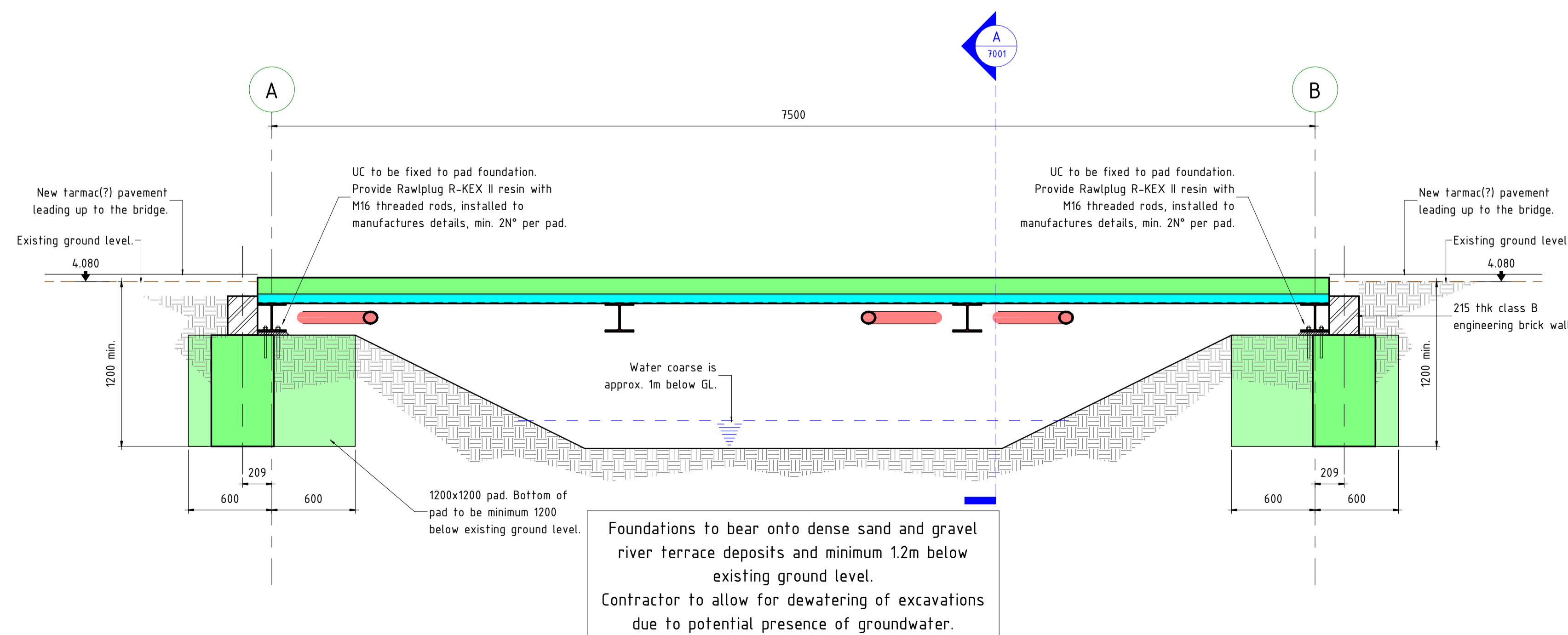
STEELWORK NOTES

- All works are to be carried out in accordance with the steelwork specification.
- Structural steelwork to be grade S355 unless noted otherwise.
- Loading schedule:-  
 Dead Load - 2.5kN/m<sup>2</sup> (finishes)  
 Imposed Load - 5.0kN/m<sup>2</sup> vertical / 1.5kN/m horizontal  
 Snow Loading as BS EN 1991-4  
 Wind Loading as BS EN 1991-3
- All bolted connections shall have a minimum of 2N° M12 grade 8.8 bolts and be designed for a minimum 75kN (ultimate) unless noted otherwise.
- All connections (bolted and welded) are to be designed by the steelwork fabricator in accordance with BS EN 1993-1-1 (Design of Steel Structures). They shall be based on the indicated reactions or, where relevant, on general structural calculations as prepared by the engineer.
- The minimum specification for bolts shall be grade 8.8 and zinc plated.
- The steelwork fabricator may provide alternative member sizes (to suit fabrication, connection, design, etc...) subject to the approval of the engineer.
- All beams and stanchions shall be located symmetrically on grid lines unless noted otherwise.
- All plan dimensions are shown to centre lines of beams and stanchions unless noted otherwise.
- To S = level at top of beam or stanchions (unless noted otherwise).
- Design of all temporary works shall be the responsibility of the steelwork fabricator.
- No holes are to be formed through steel members, other than the connections, without the written approval of the engineer.
- Where dissimilar steels are to be connected a suitable isolating material shall be incorporated.
- All steelwork is to be galvanised, therefore all necessary holes to be drilled prior to galvanising.
- Final top coat and finish to Architects details.
- The Steelwork Sub Contractor shall submit copies of his drawings to both the Architect and Engineers for comments a minimum of 7 days prior to manufacture.



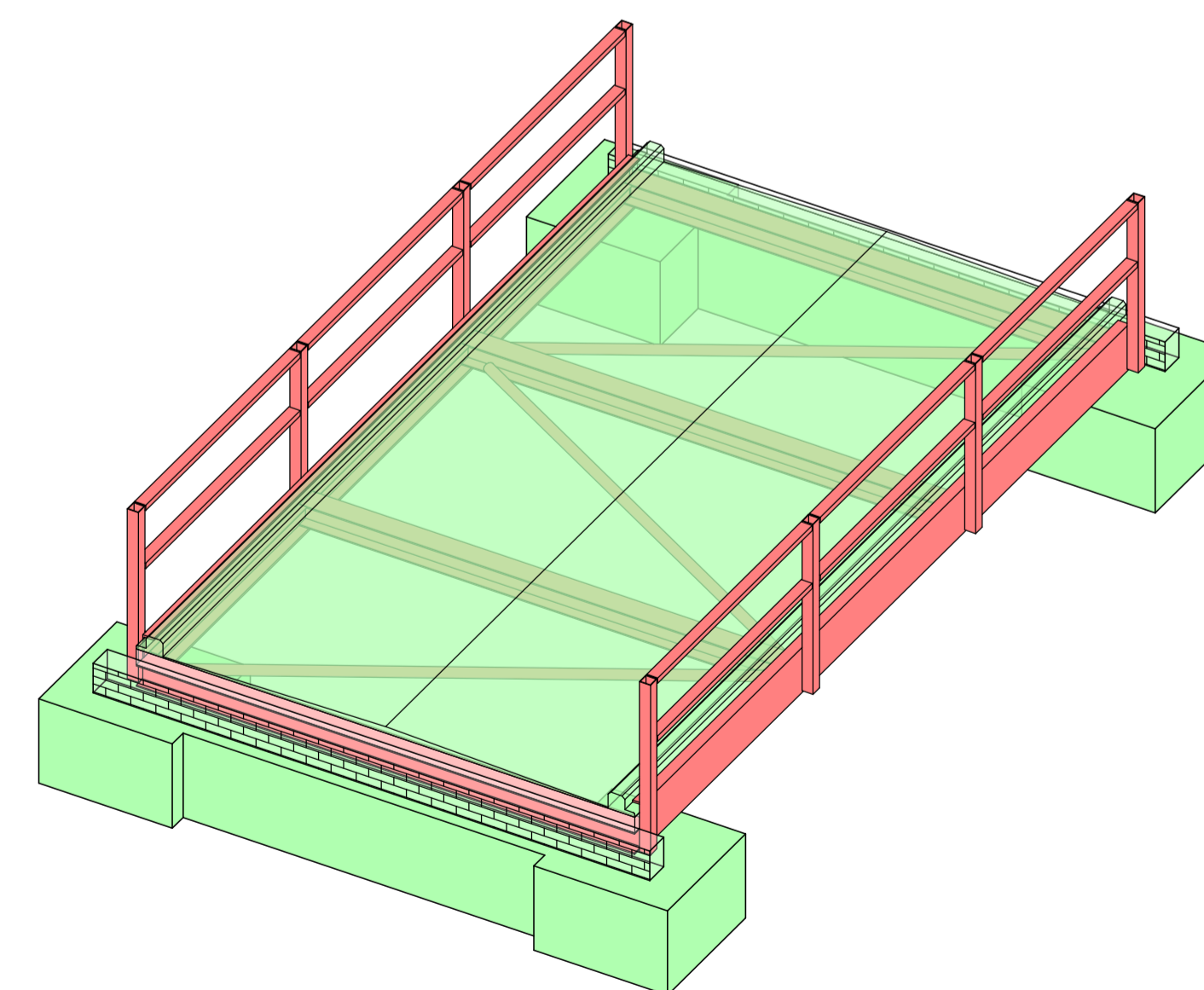
Section 7001/A

1 : 25



Section 7001/B

1 : 25



3D Frame

VARIOUS SCALES - REFER TO VIEW TITLE

P02	DEWATERING NOTE ADDED.	03-07-2023
P01	RIBA STAGE 4 ISSUE	24-04-2023
REV	DESCRIPTION	DATE
ESTABLISHMENT		
MARCHWOOD BARRACKS		
ASSET	JOB No.	
SITE	CMS 1240311	
SECURITY CLASSIFICATION		
OFFICIAL		
PROJECT		
VIVO DEFENCE SERVICES		
PROJECT		
SPORTS PITCH AND HLZ		
DRAWING TITLE		
BRIDGE GA & DETAILS		
BPM TECH	ENG	DA ENG
Ryno	JA	AS
SCALE	DATE	APPROVAL
Noted	24-04-23	RIBA STAGE 4
OFFICE OF ORIGIN	NOTTINGHAM	
PROJECT No.	ORIGINATOR	ZONE
22046-CHG-Z0-00-DR-S-	7001	S4
REVISION	P02	
SUITABILITY	S4	
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