

Passerelle Zwolle – Market Consultation

Structural principles and timber detailing



Overview - Site



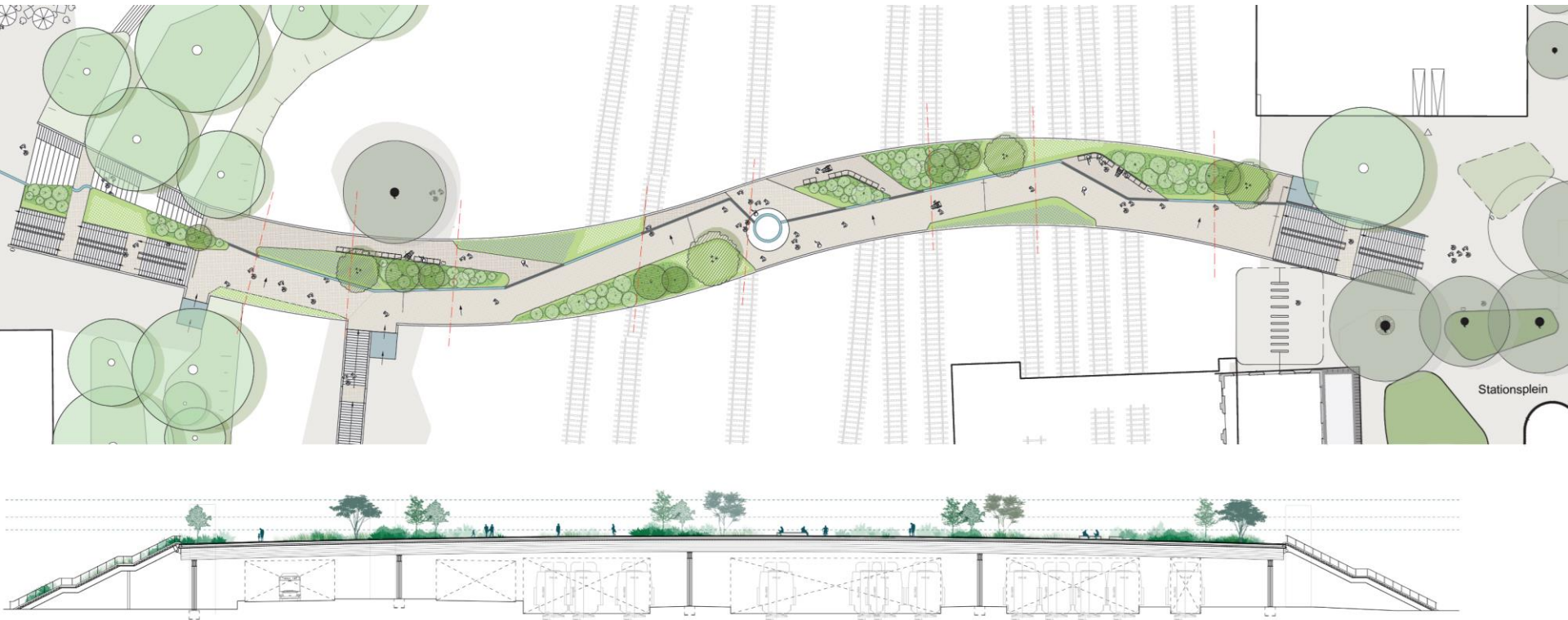
Overview - Architecture



Overview - Architecture

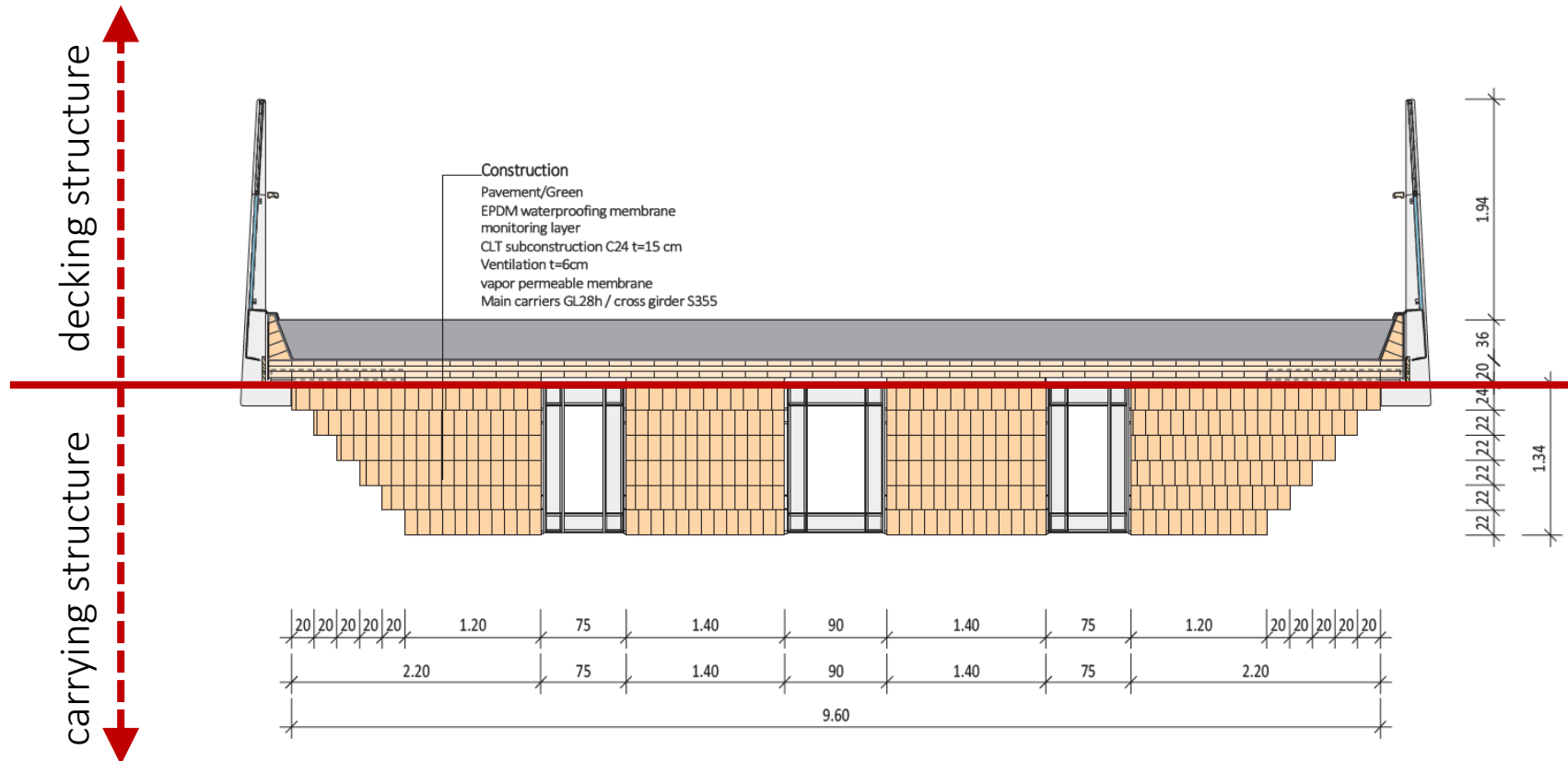


Overview - Architecture

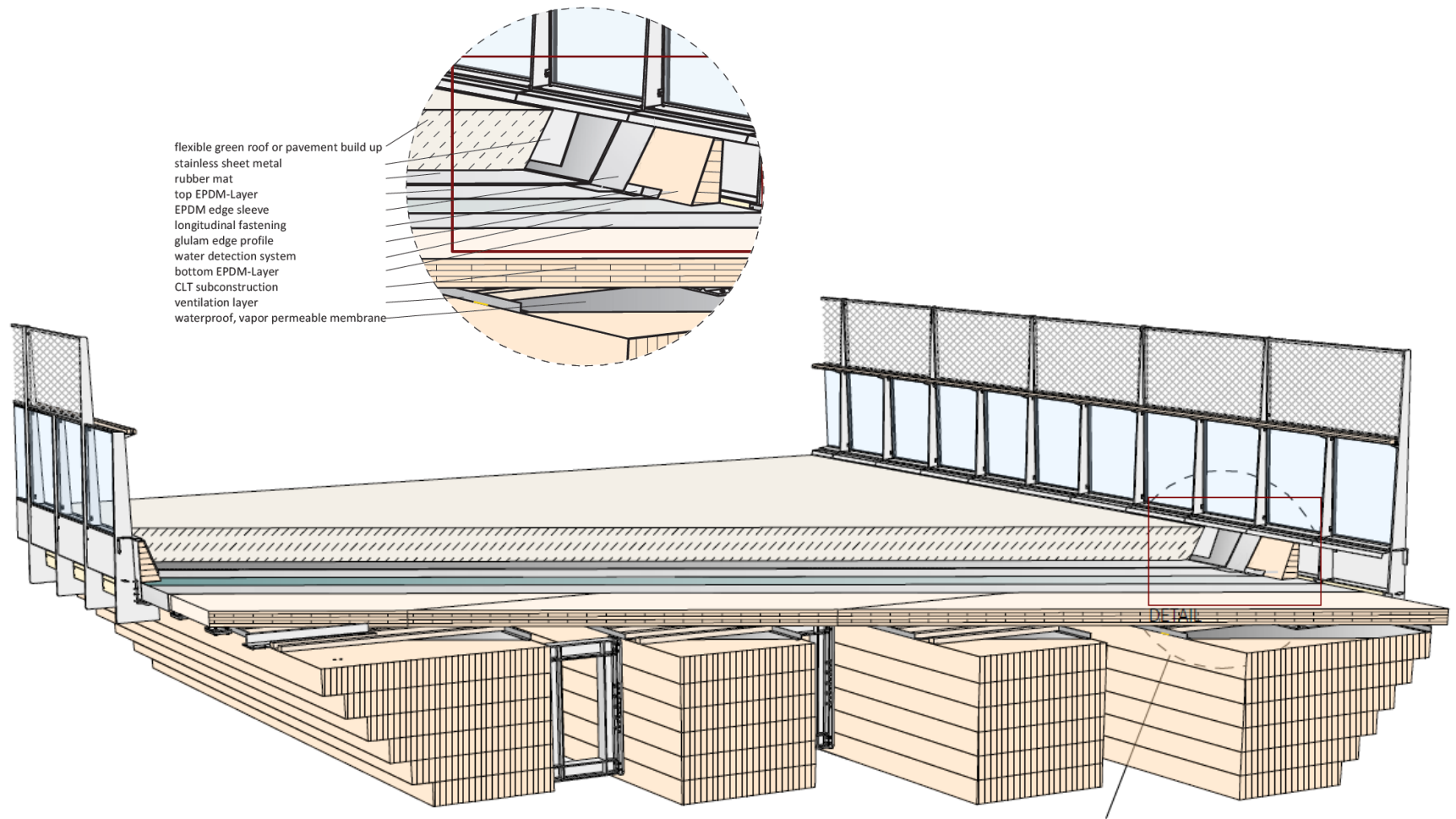


Passerelle Zwolle
Market Consultation 18.02.22

Detailing - Cross-Section



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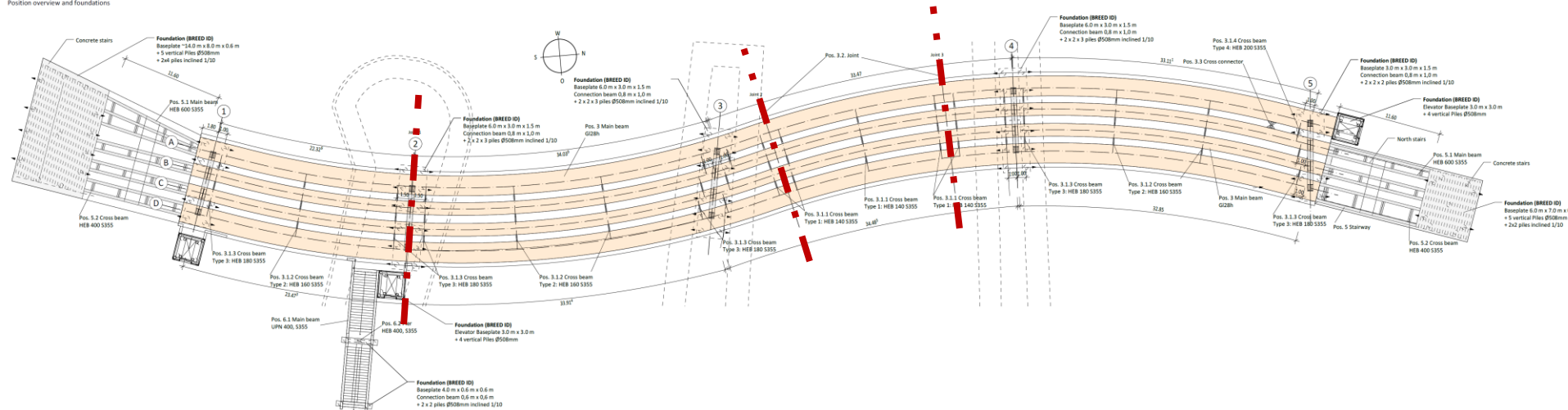
Detailing – Fabrication Principle



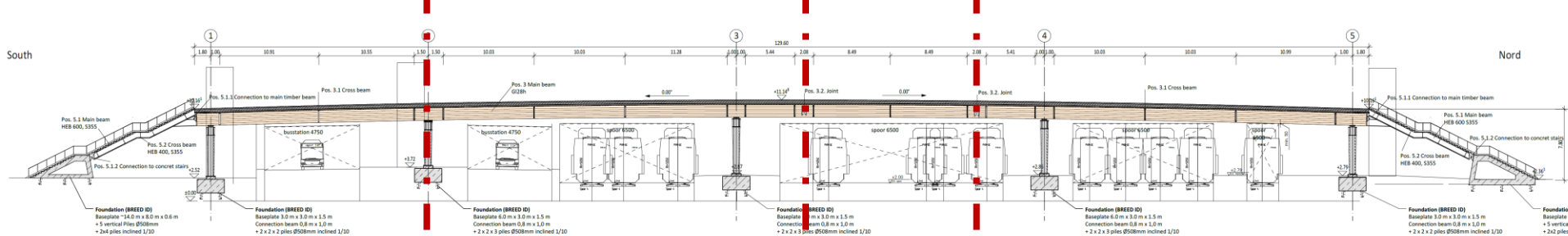
Structural Detailing - System

Ground view S 1:200

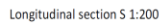
Position overview and foundations



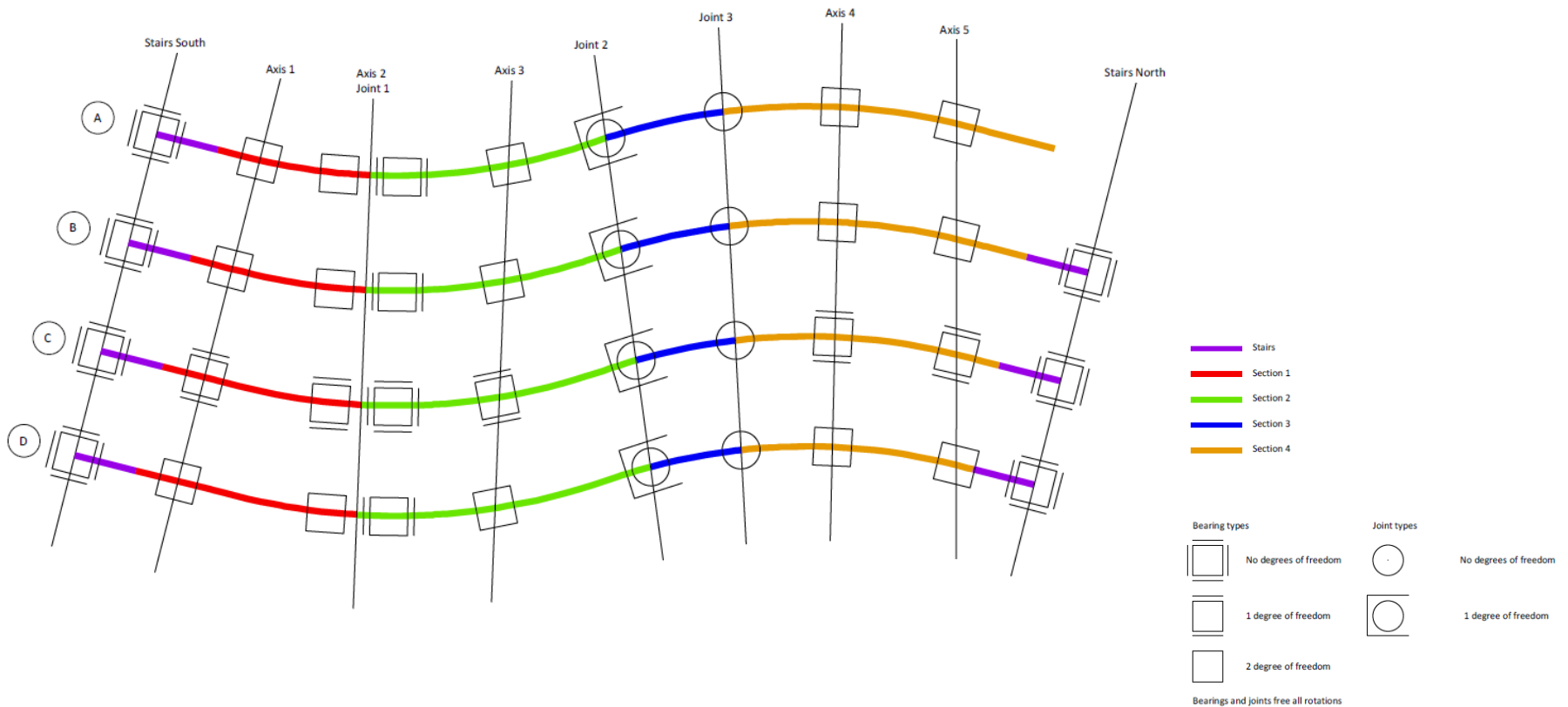
Longitudinal section S 1:200



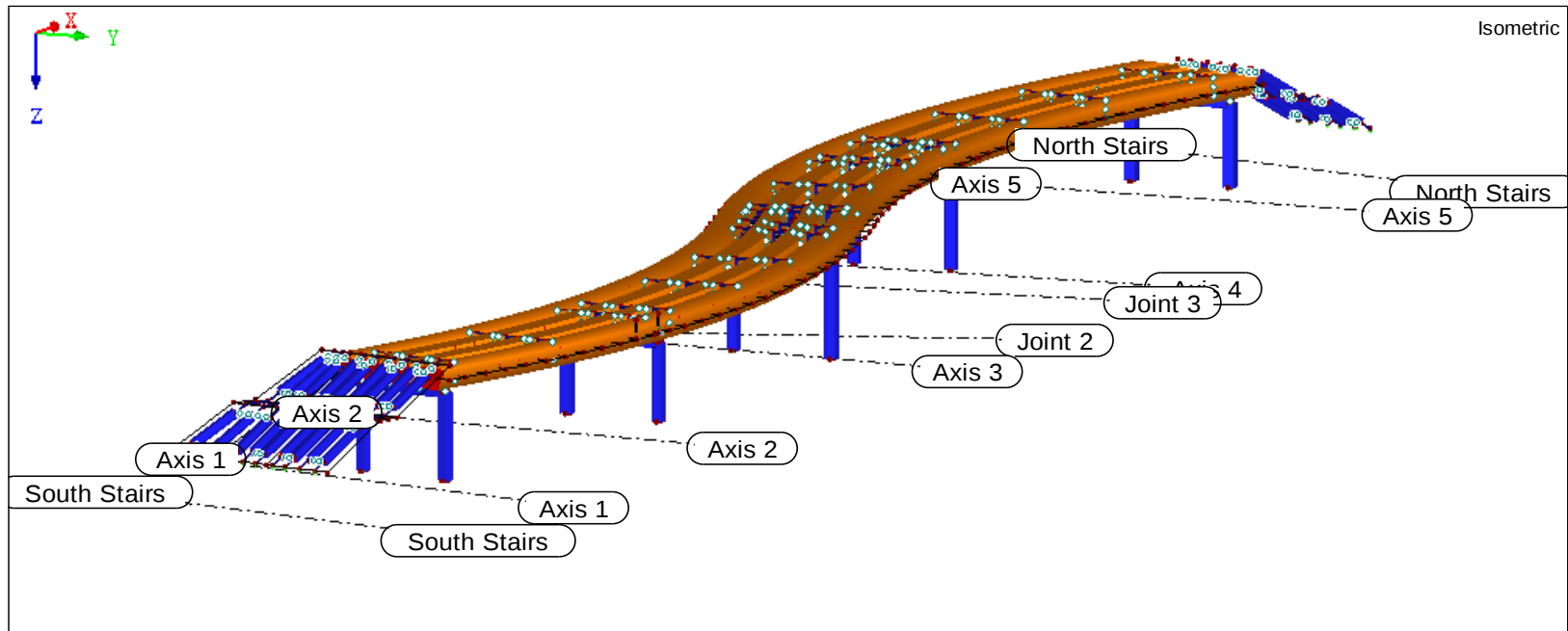
Position overview and foundations



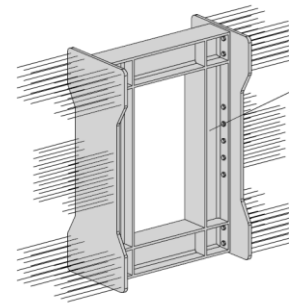
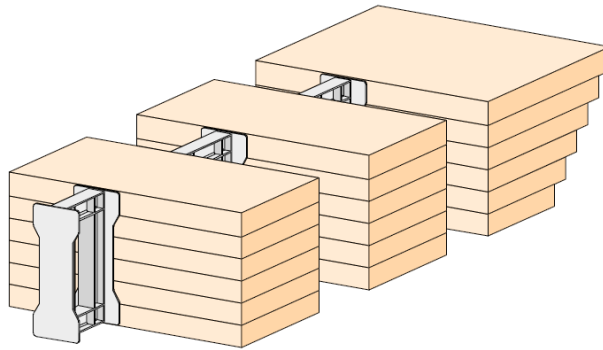
Structural Detailing – Bearing Situation



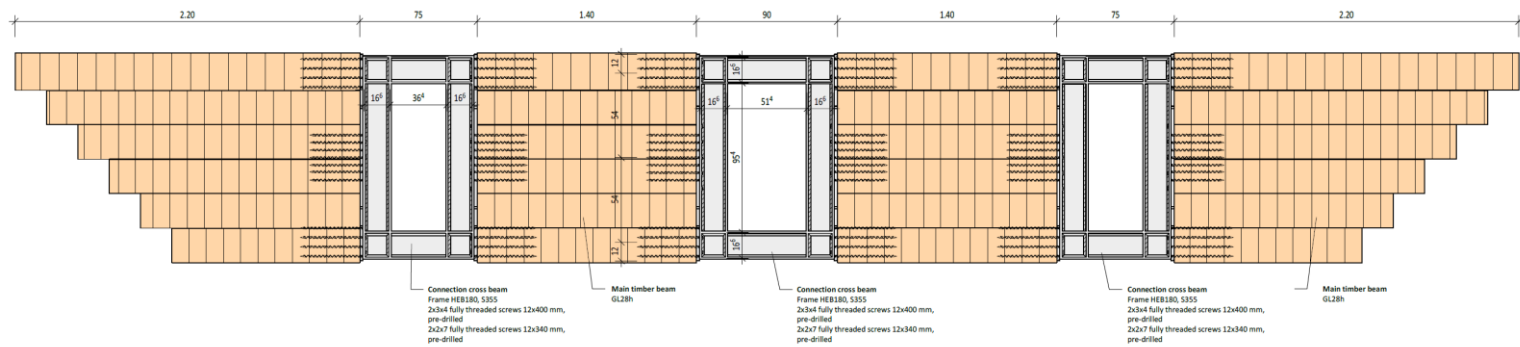
Structural Detailing - Modelling



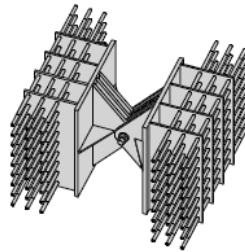
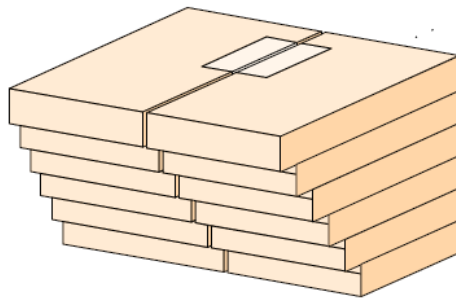
Structural Detailing – Cross Girders



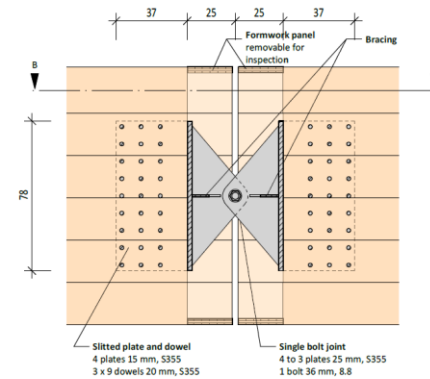
Cross Beam Types	
Pos. 3.1.1	Type 1 HEB 140
Pos. 3.1.2	Type 2 HEB 160
Pos. 3.1.3	Type 3 HEB 180
Pos. 3.1.4	Type 4 HEB 200



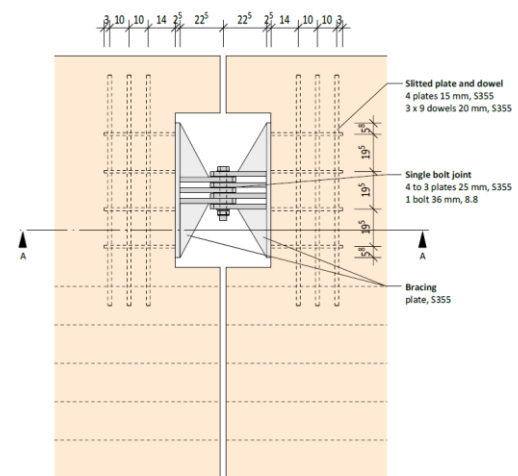
Structural Detailing – Cross Griders



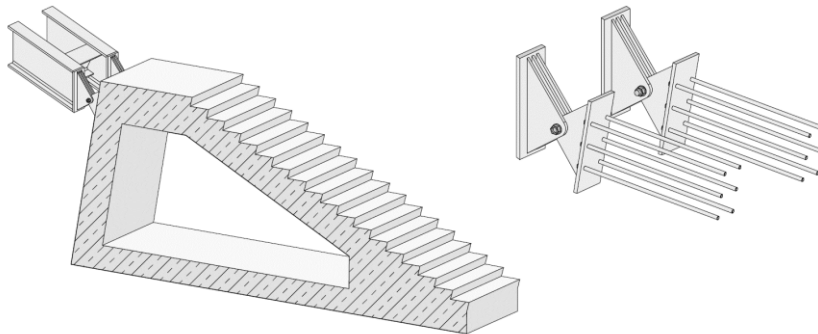
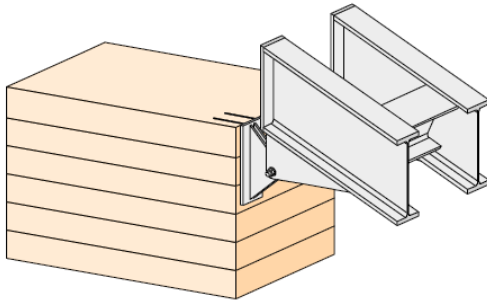
Section A-A S 1:20



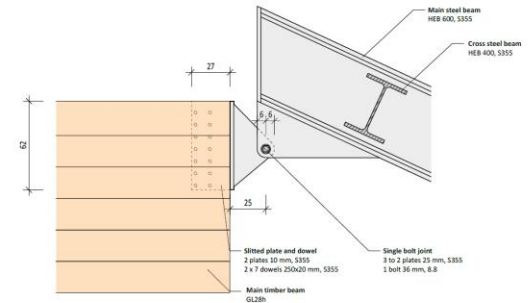
Section B-B S 1:20



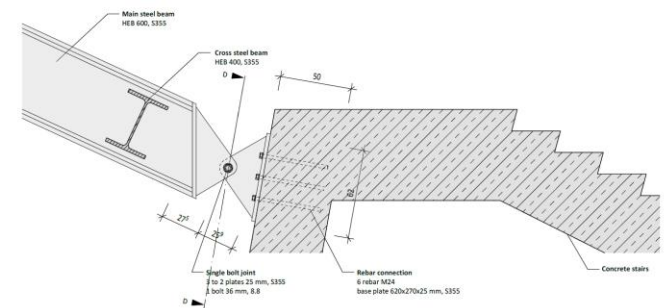
Structural Detailing - Stairs



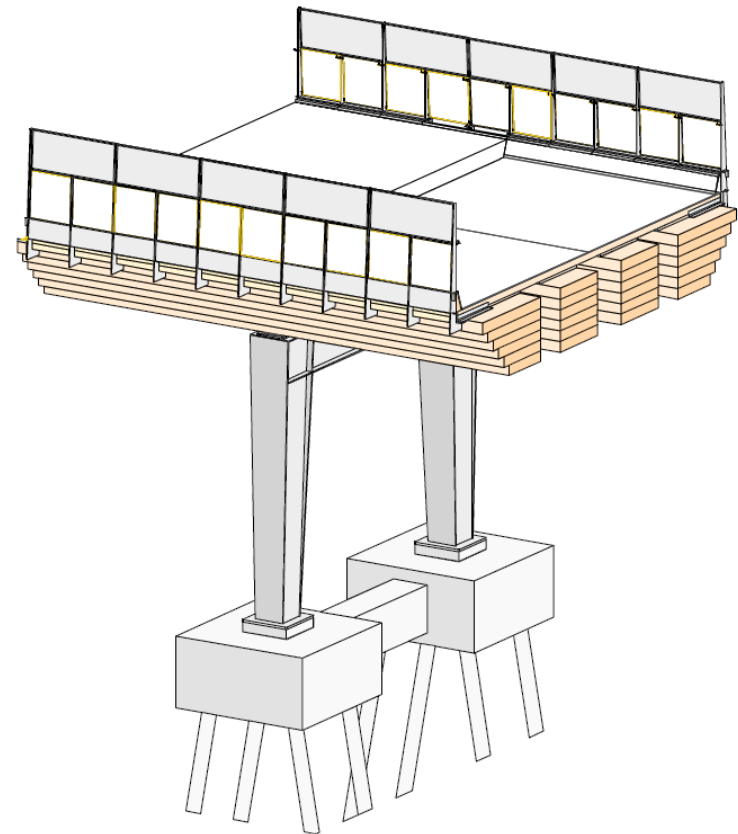
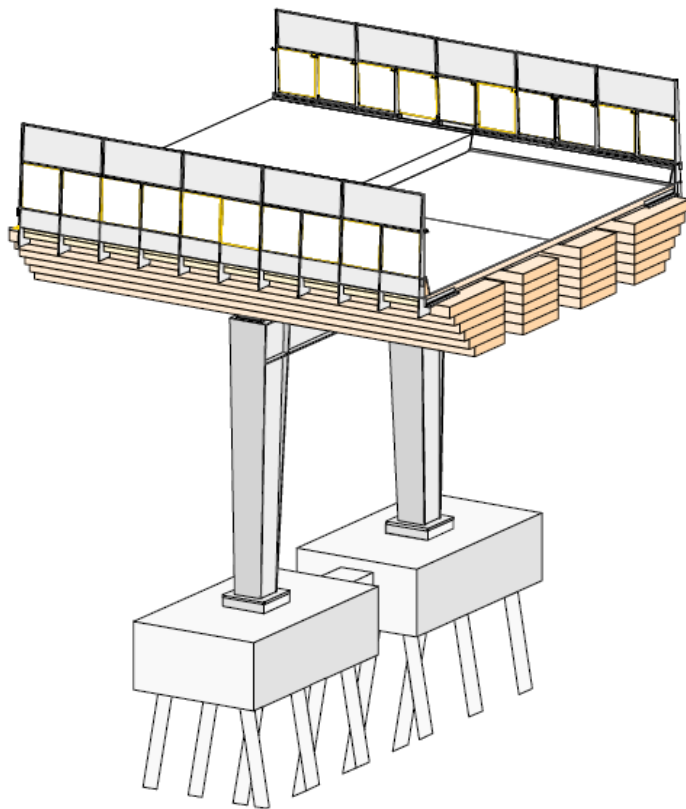
Section A-A S 1:20



Section C-C S 1:20

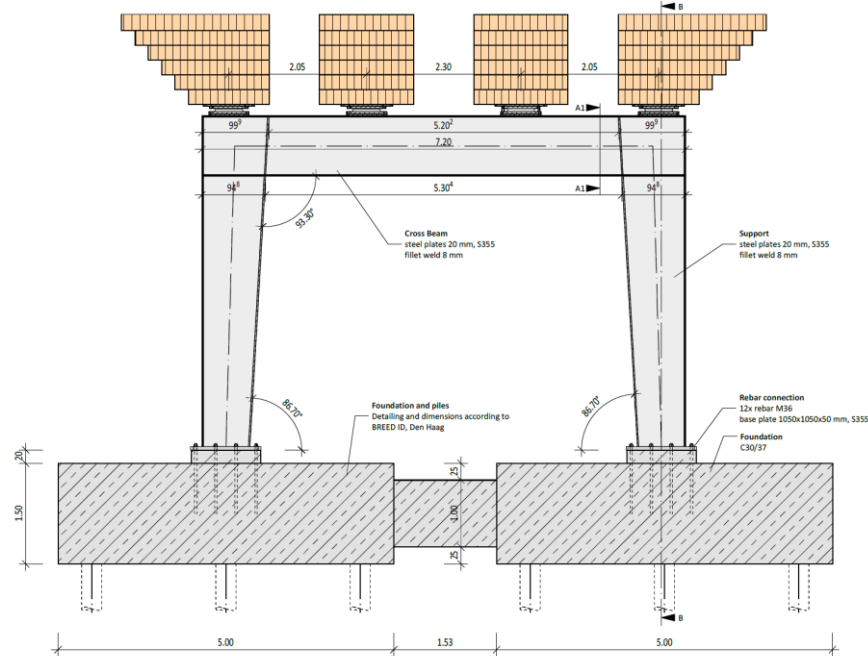


Structural Detailing - Supports

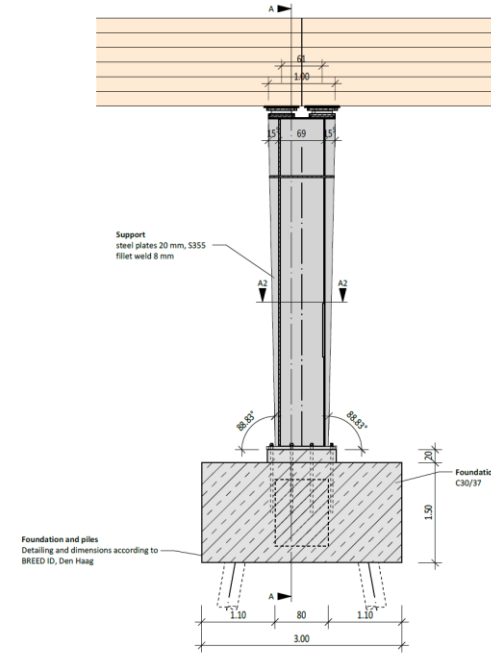


Structural Detailing - Supports

Section A-A S 1:50



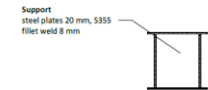
Section B-B S 1:50



Section A1-A1 S 1:50



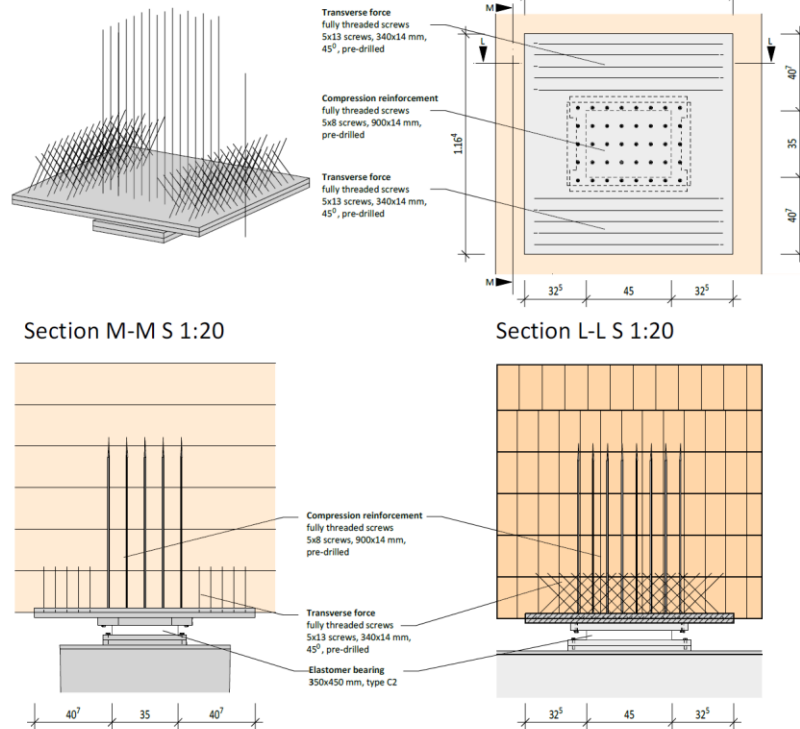
Section A2-A2 S 1:50



Structural Detailing - Bearings

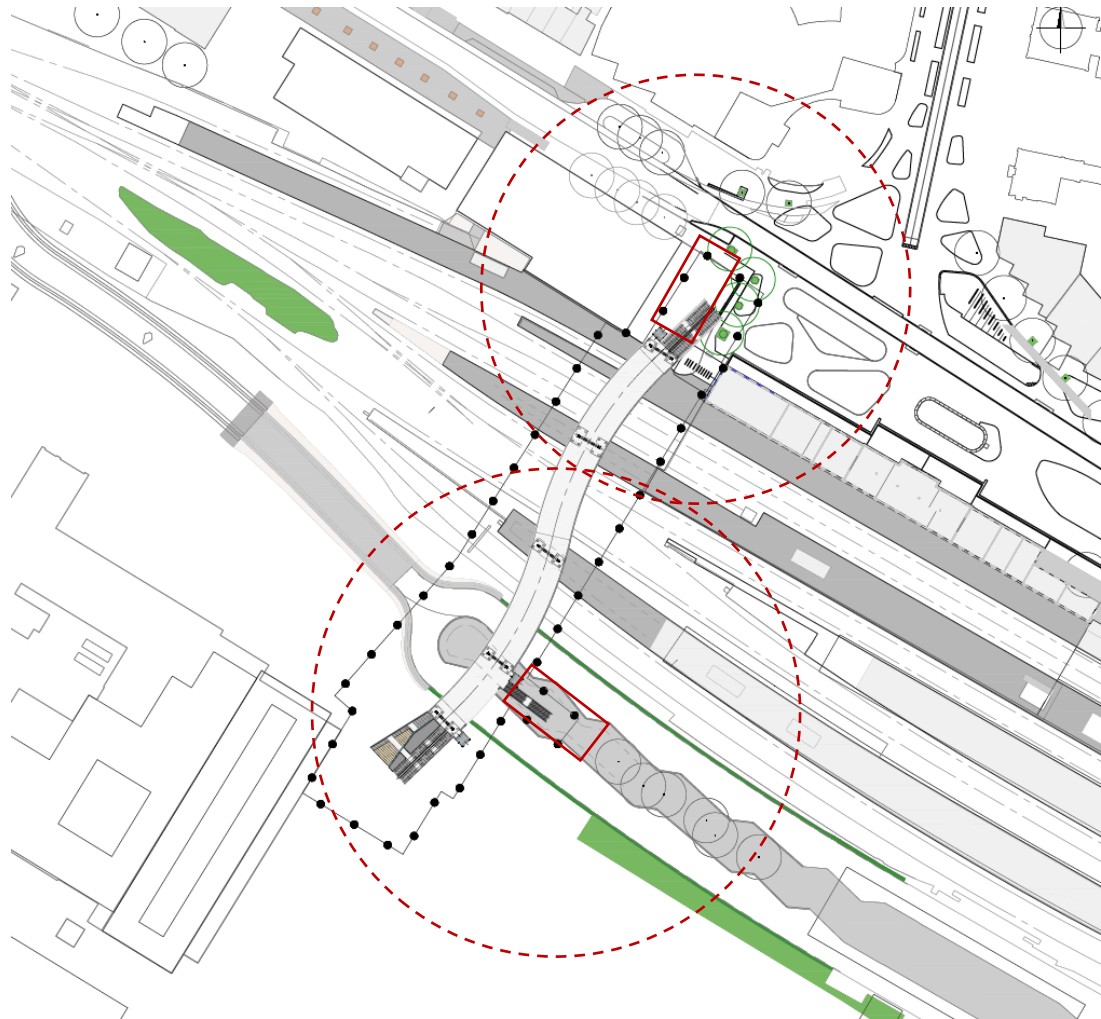
Pos. 4.1

Connection of the main beam to the portals
Isometry

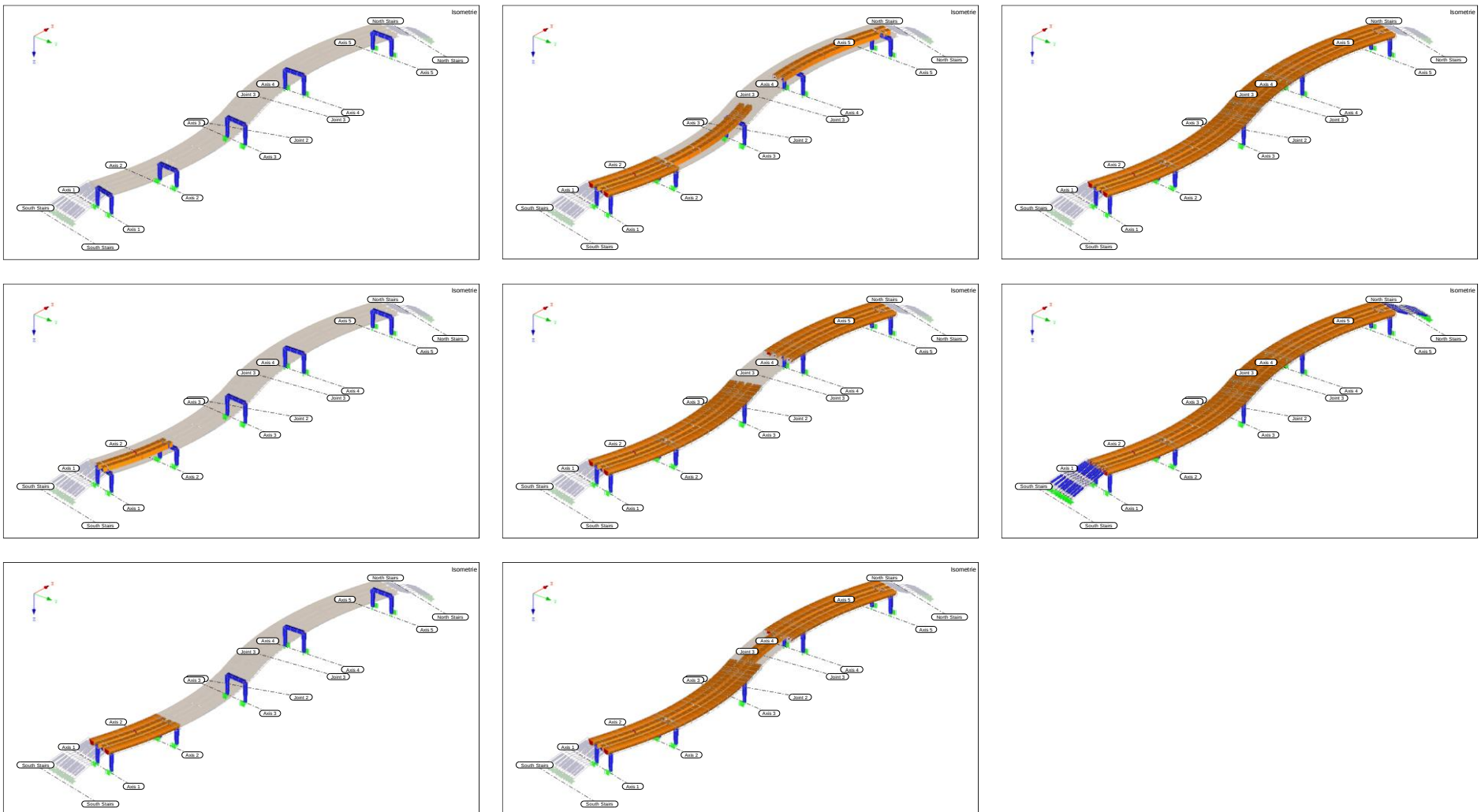


Structural Detailing – Mounting Principle

- two locations for mobile cranes
- Space for preassembly at the south
- limited space at the north
- **Mounting Phases**
 - Foundations
 - Supports
 - Glulam structure including decking subconstruction
 - Stairs and Elevators
 - Pavement and green



Structural Detailing – Mounting Principle



Questions/Remarks



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