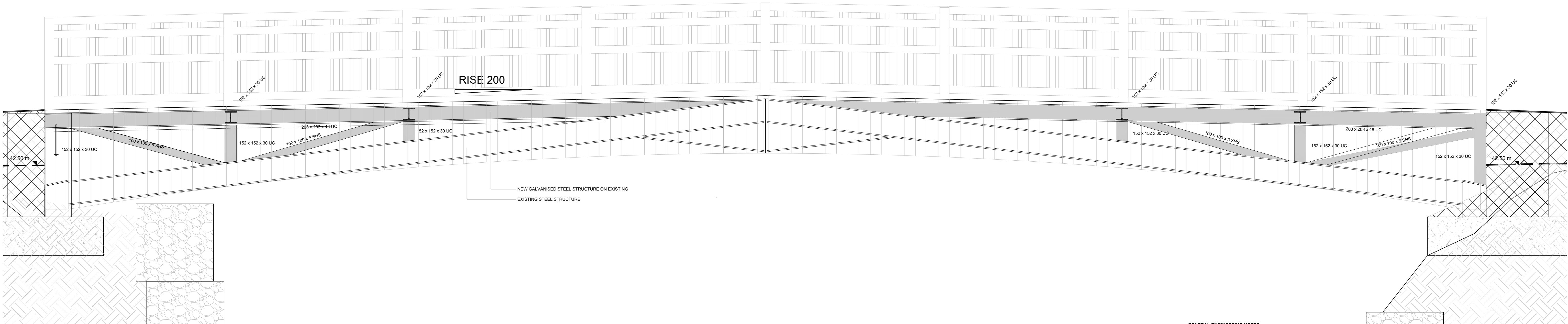
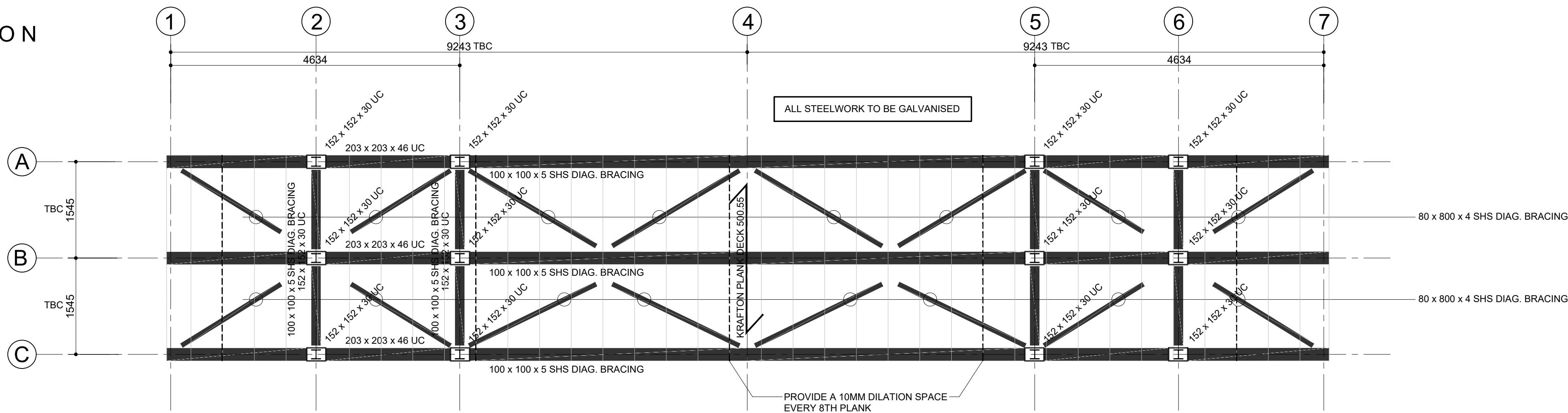


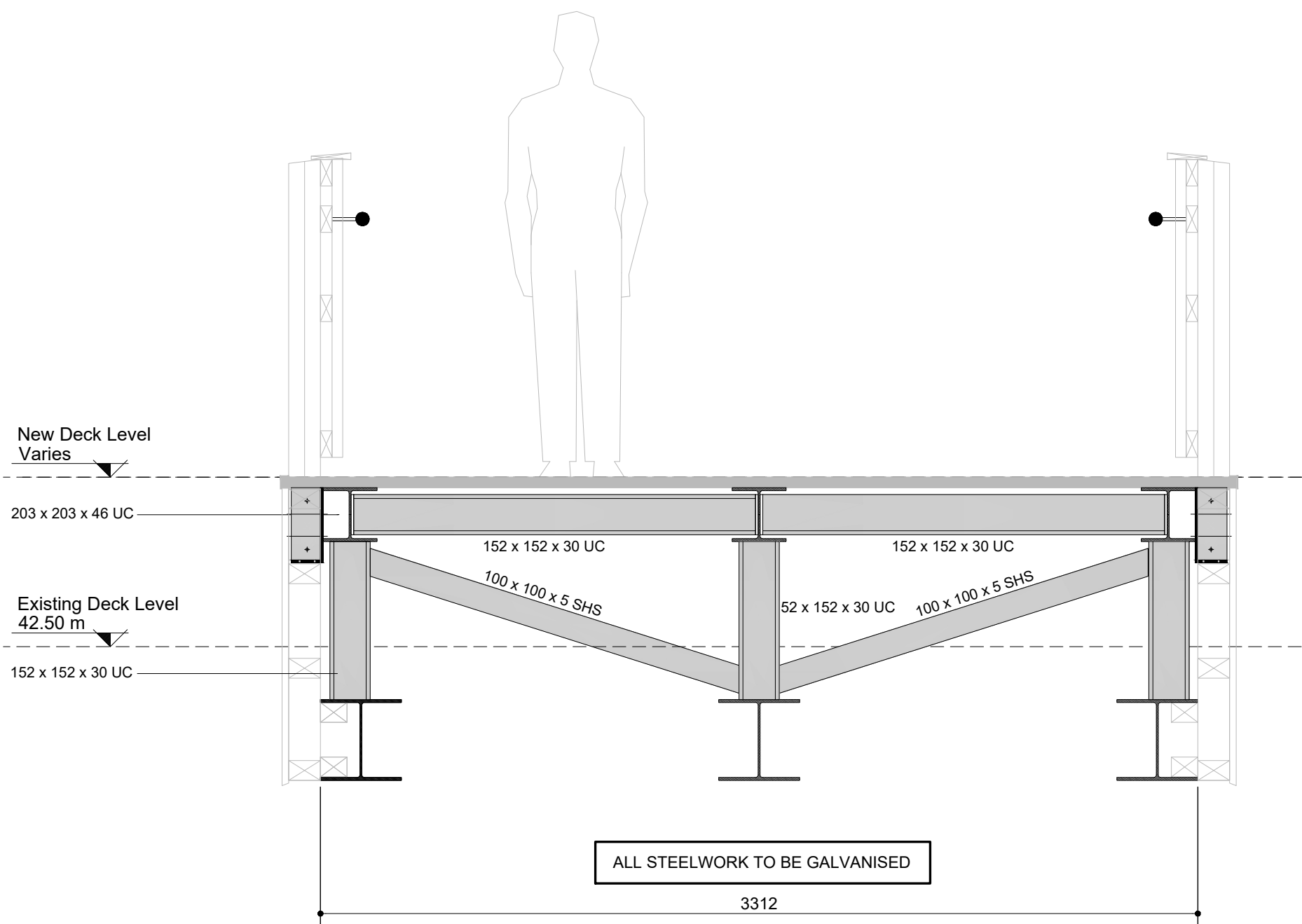
**GENERAL NOTES:**  
Notes refer to all drawings contained in this contract.  
All drawings are subject to copy right of Carr Consulting Engineers.  
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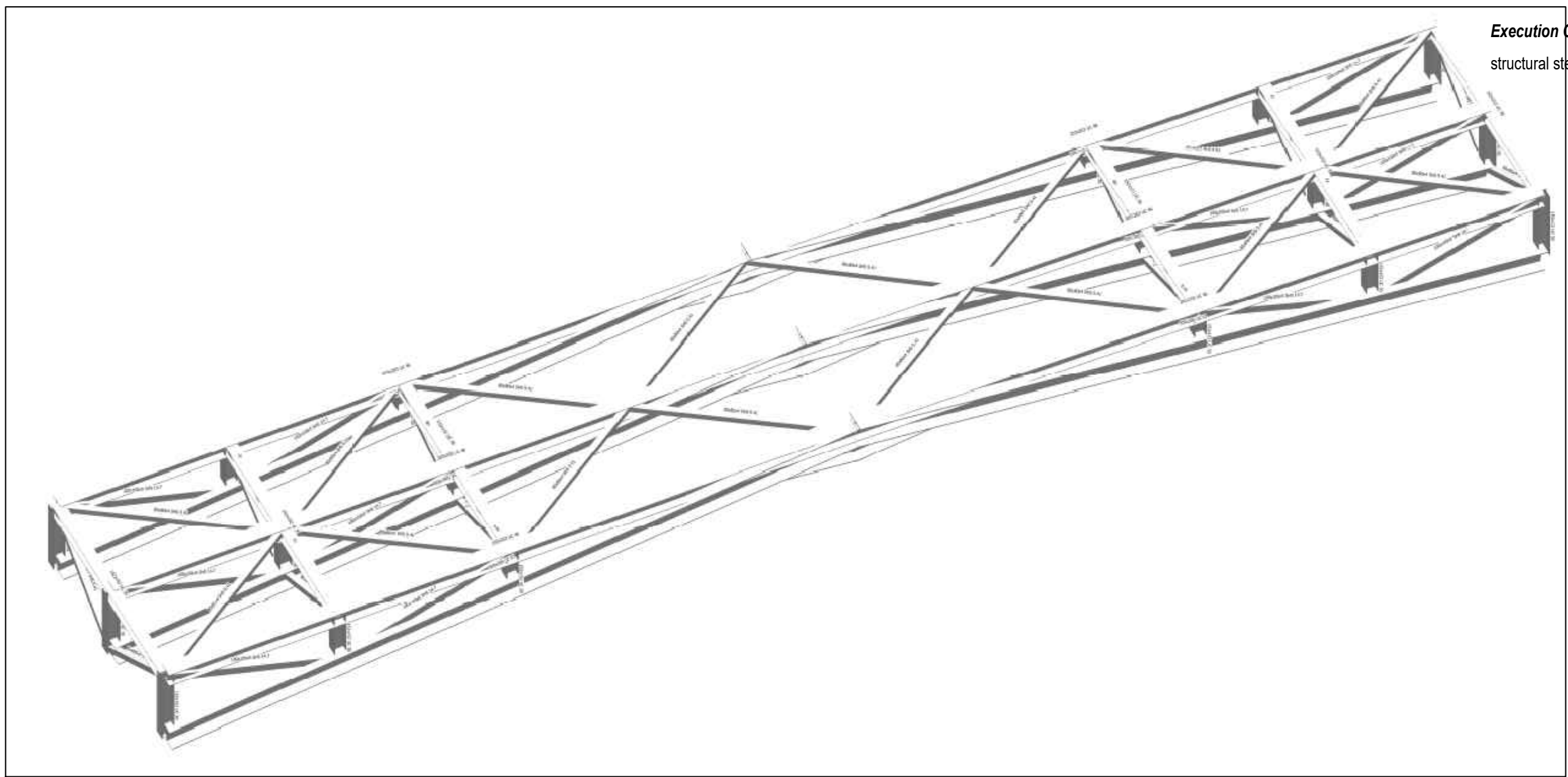
**LONG SECTION**  
Scale 1/20



**FRAMING PLAN**  
Scale 1/50



**TYP. SECTION**  
Scale 1/20



**Structural Frame**

**GENERAL ENGINEERING NOTES**

1. This drawing shall be read in conjunction with relevant Architectural, Civil and Mech/Elect drawings.
2. Figured dimensions only to be taken from this drawing.
3. All dimensions shall be checked on-site by the steelwork contractor and setting out dimensions shall be confirmed on site **prior** to fabrication of any steelwork. Any discrepancies shall be reported by the contractor to the Engineer or Architect without delay.

**STRUCTURAL STEEL NOTES**

1. Site dimensions shall be taken on-site by the structural steel fabricator in order to produce shop fabrication drawings and all necessary calculations. These drawings and calculations shall be submitted to the Architect and Engineer at least 2 weeks prior to commencing fabrication of structural steelwork.
  2. Main connections will be designed by the Structural Engineer. Steelwork contractor shall be responsible for the design all other connections. Connection loads shall be provided by the Engineer upon request.
- Fabricate and erect steelwork as shown on the drawings and in accordance with approved fabrication drawings. From July 2014 fabricated Structural steelwork must have a CE Marking in conformance with BS EN 1090-1 and BS EN 1090-2. Fabricated steelwork shall comply with the National Structural Steelwork Specification (NSSS) for Building Construction 5th Edition CE Marking version.

1. Steel for structural sections, plates and welding metal to be Grade S275JR unless noted otherwise.
2. Welding to be in accordance with BS 4870, 4871 and/or BS 4872.
3. Generally, all steelwork unless noted otherwise to be shot blasted and primed using an anti-corrosion zinc rich epoxy primer. Minimum thickness of primer should be D.F.T. = 85 m.
4. Steelwork, where noted to be hot-dip galvanized to EN ISO 1461. Minimum thickness of galvanizing should be D.F.T. = 85 m.
5. Structural steel contractor to provide templates for holding down bolts to General Contractor. Holding down bolts shall be M30 or M20 grade 8.8 by 450mm long with polystyrene cones and a 100 x 100 x 10 anchor plate as noted on the drawings.
6. Steelwork bolts, nuts and washers shall be sherardised M20 or M22 G8.8 by 450mm long with polystyrene cones and 100mm x 100mm x 10mm tk. anchor plate as noted on the drawings.
8. Fire protection to structural steelwork to be as indicated on the drawing and in accordance with BS476 Parts 20-24 and Appendix A of TGD B.
9. Fire stopping to be in accordance with Mechanical Engineer's drawings and spec.

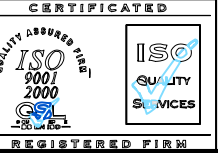
| Rev. | Amendment | Date | Dm.  | Ckd. |
|------|-----------|------|------|------|
| -    | -         | -    | P.G. | M.C. |

**Tender**

Project:  
Refurbishment of Existing Bridges and Construction of New Pedestrian Path at Glenveagh National Park

Drawing:  
**Bridge B1 - Framing Plans**

| Dwg Num.  | Scale  | Date     | Rev.    |
|-----------|--------|----------|---------|
| T 109     | 1/20   | Aug 2026 |         |
| Job No.   | Design | Drawn    | Checked |
| CC - 5032 | M.C.   | P.G.     | M.C.    |

|                                                                                                           |                                                                                       |
|-----------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
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|-----------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|

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