

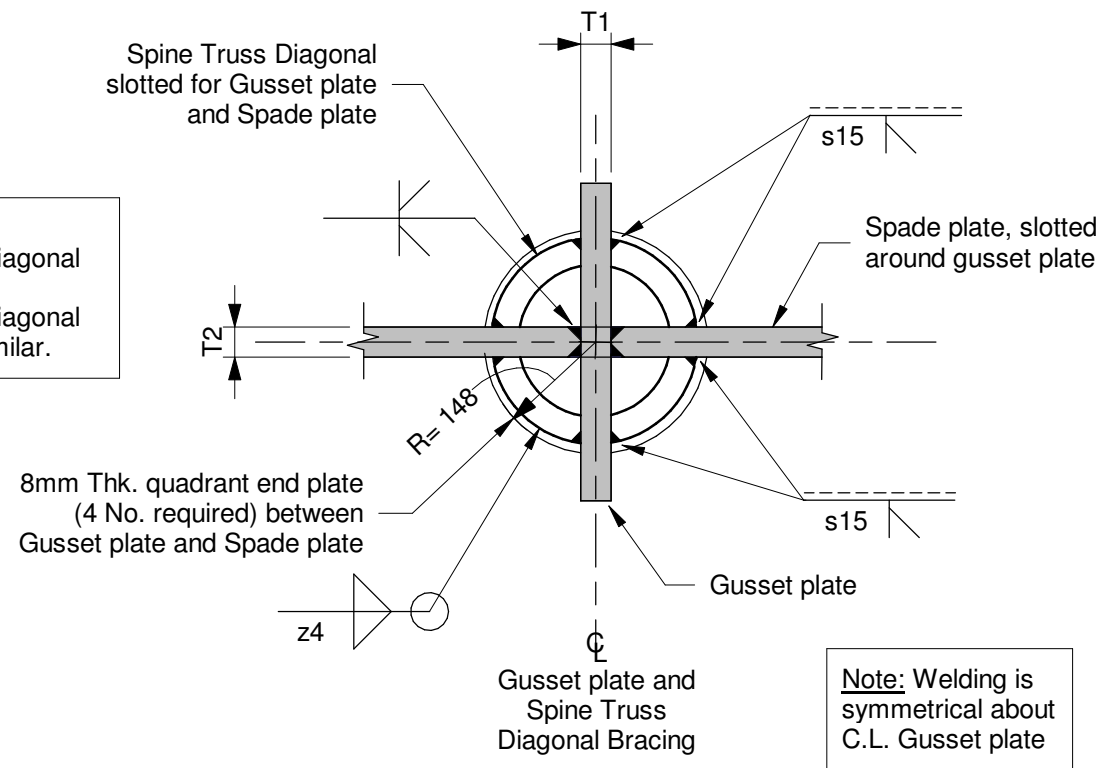
A

B

C

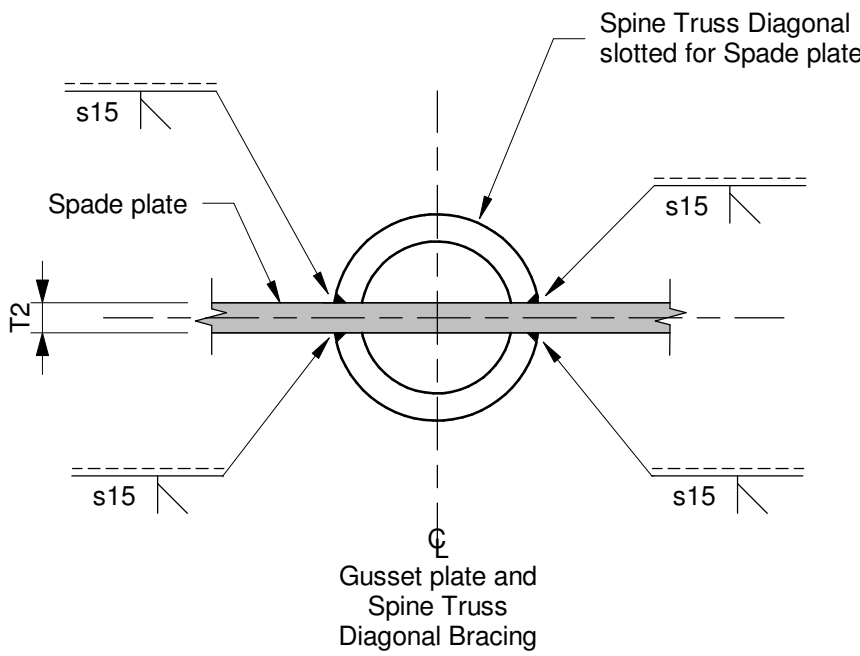
D

Note:
Connection details for Diagonal Bracing B9 are shown.
Connection details for Diagonal Bracing B5 to B8 are similar.

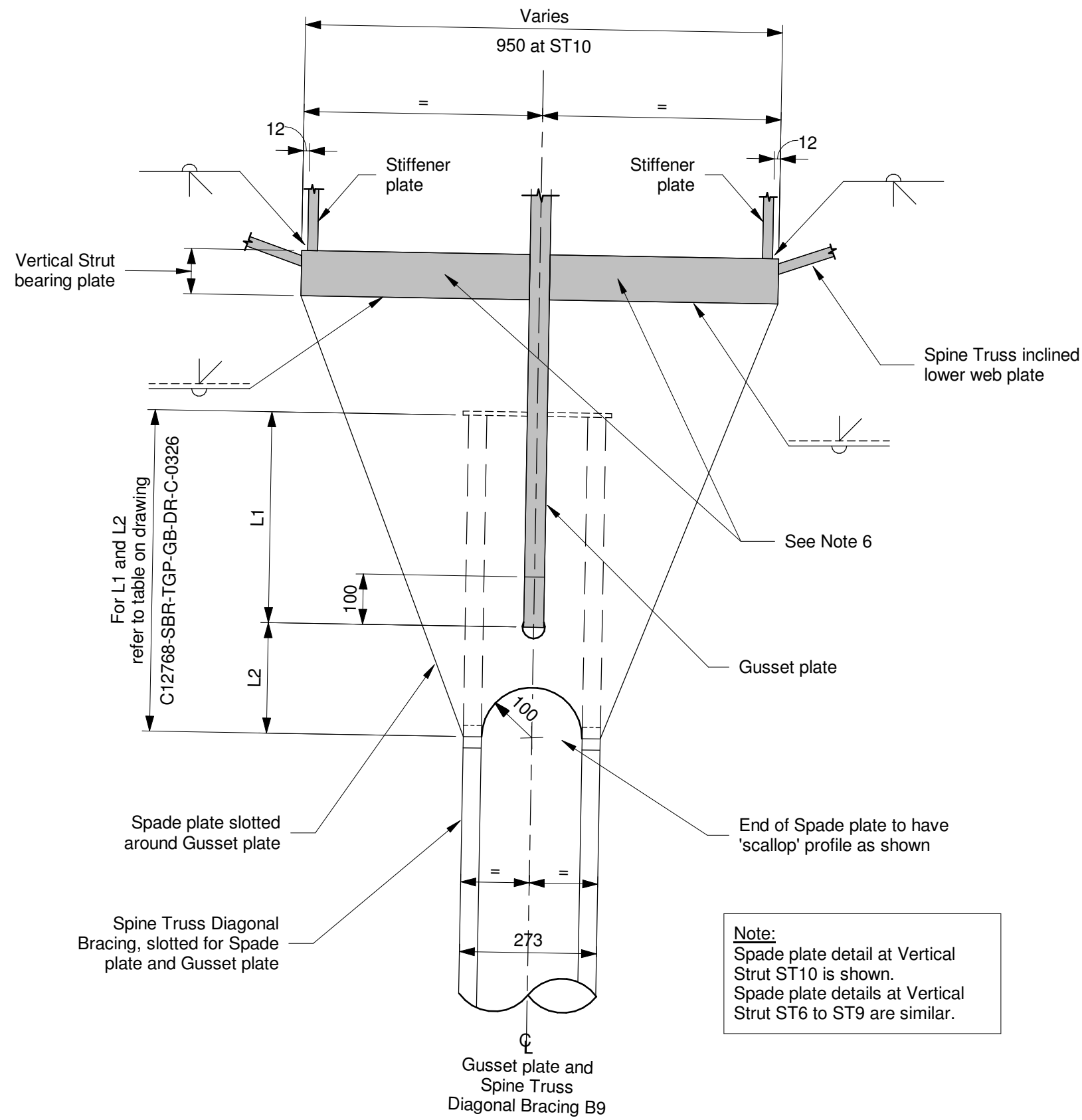


5 Diagonal B9 - Top end connection
1 : 10

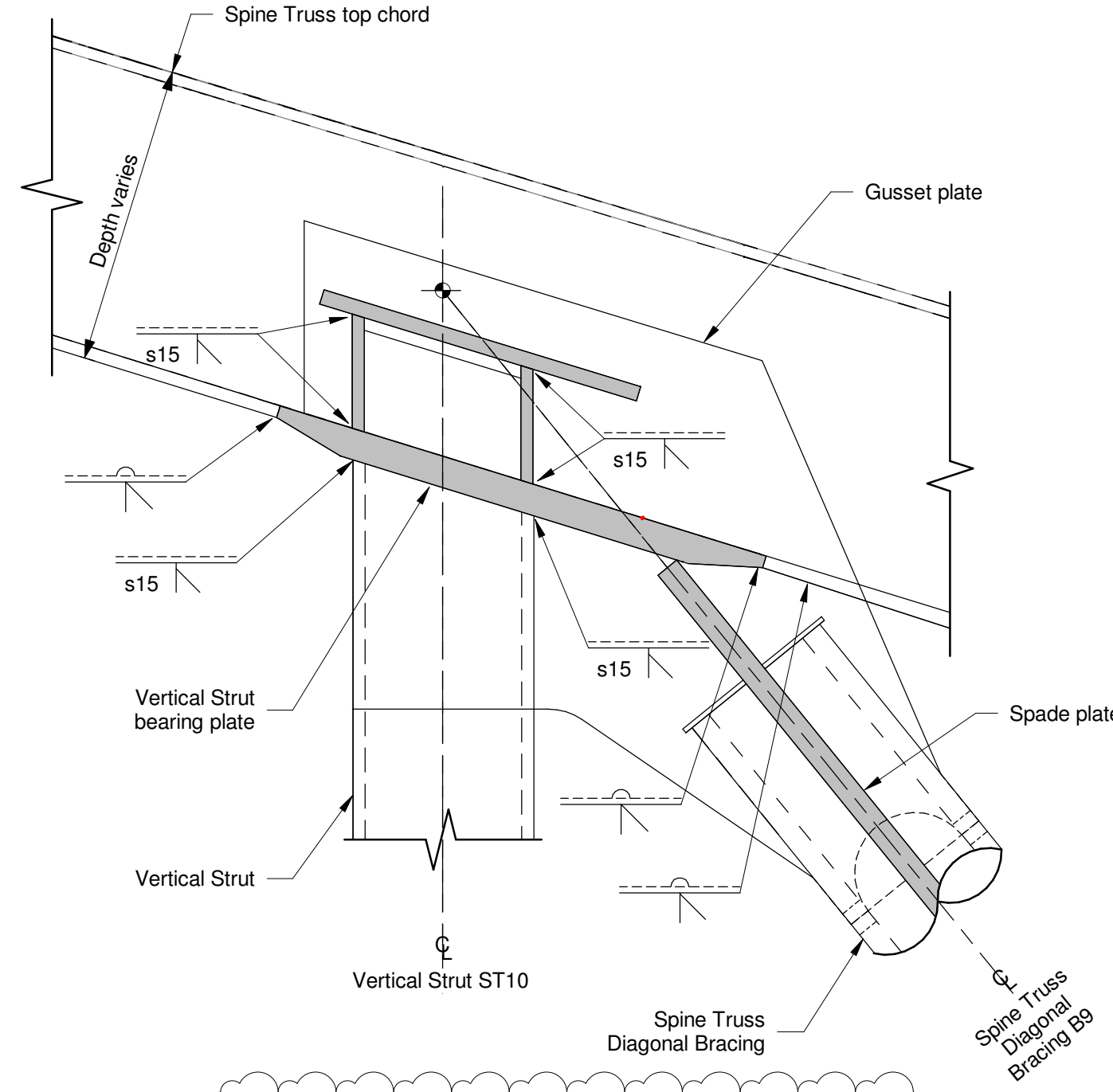
Note:
Connection details for Diagonal Bracing B9 are shown.
Connection details for Diagonal Bracing B5 to B8 are similar.



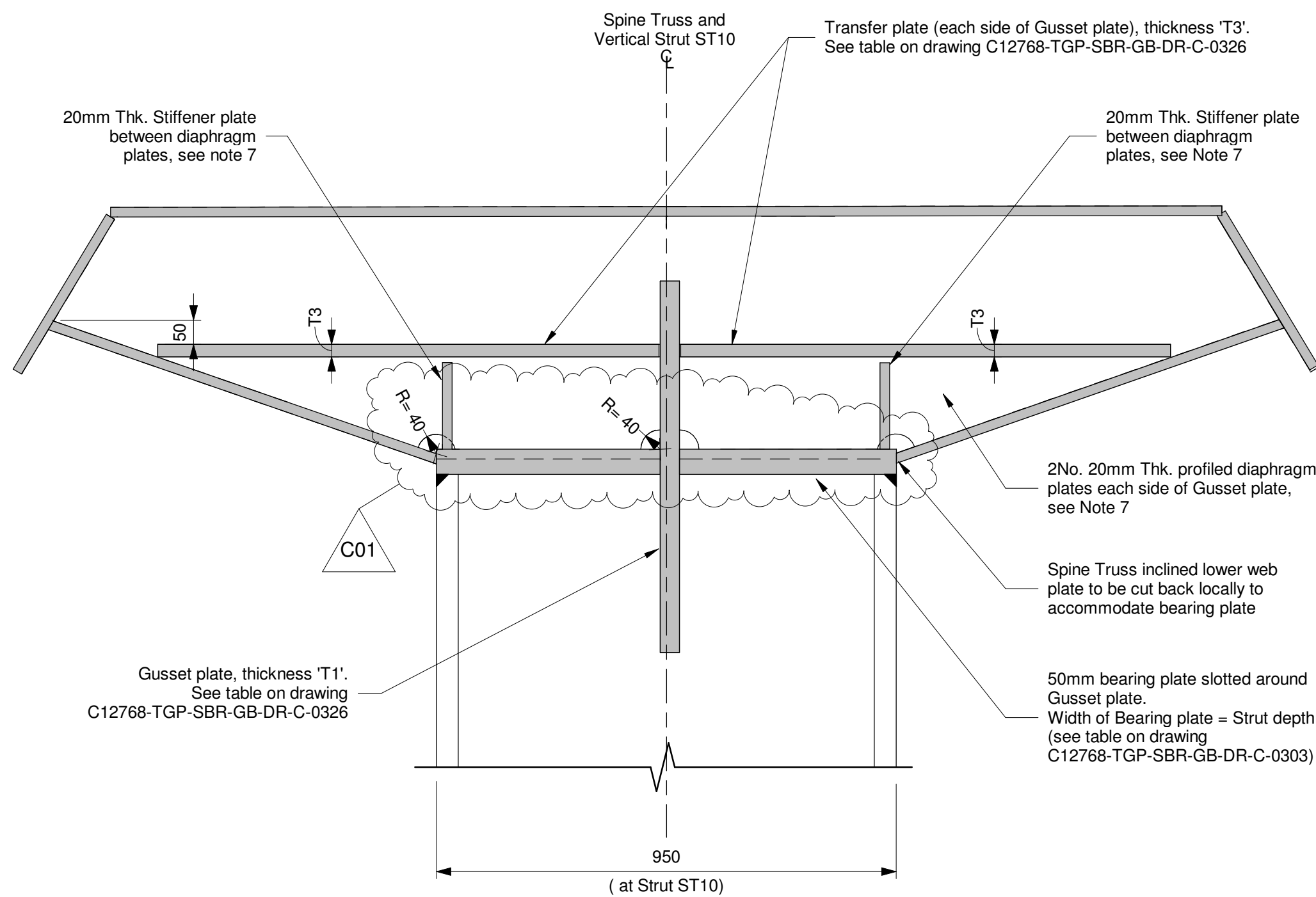
6 Diagonal B9 - Spade plate connection
1 : 10



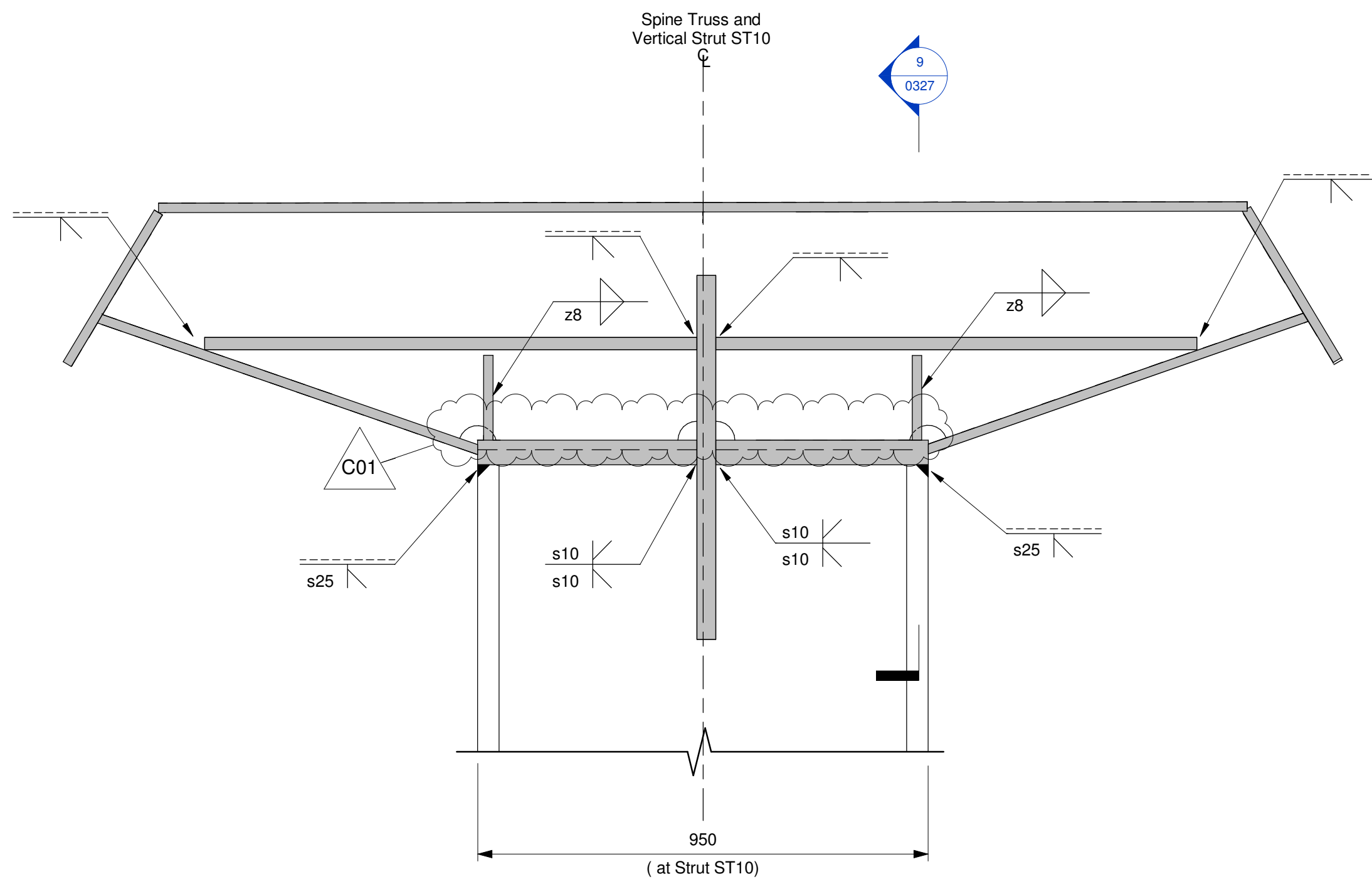
7 Diagonal B9 - Spade plate
1 : 10



9 ST6 to ST10 - Welding
1 : 10



8 ST6 to ST10 - Section at Vertical Strut
1 : 10



8a ST6 to ST10 - Welding at Vertical Strut
1 : 10

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VFK Project Ref: C12768

NOTES

- All dimensions are in mm unless noted otherwise.
- All levels are in Metres a.o.d. unless noted otherwise.
- For steelwork notes refer to drawing: C12768-TGP-SBR-GB-DR-C-0300
- This drawing to be read in conjunction with:
C12768-TGP-SBR-GB-DR-C-0303 Gateway Bridge - Spine Truss Member Schedule
C12768-TGP-SBR-GB-DR-C-0304 Gateway Bridge - Top Chord Geometry
C12768-TGP-SBR-GB-DR-C-0311 Gateway Bridge - Top Chord Details
- Unless noted otherwise, all welds shown on this drawing to be continuous 10mm (leg) fillet welds on both sides of all joints in accordance with the specification. Unless noted otherwise, all welds shall meet the requirements of tables 8.1 to 8.5 of BS EN 1993-1-9 inclusive for the minimum detail category, as amended by the UK National Annex NA BS EN 1993-1-9.
- Steel to be ultrasonically tested for laminations in accordance with BS EN 10160 at all locations where through thickness tensile stresses are applied. Testing to be carried out prior to commencement of welding and after completion. The steelwork fabricator shall determine in each case whether the use of material with guaranteed through thickness properties (superior Z35-quality class to BS EN 10164) is appropriate.
- Diaphragm and stiffener plates to be fitted to Vertical Strut Bearing plate.
- Full penetration butt welds. Thicker plate to be tapered at maximum slope of 1 in 4 down to thinner plate. Weld preparation form and details to be proposed by steel fabricator and submitted to designer for approval.