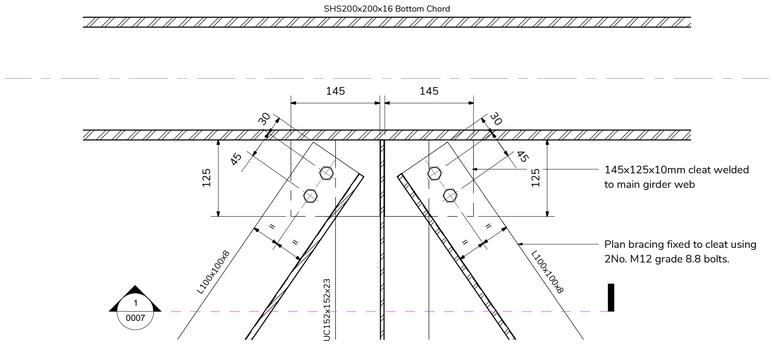
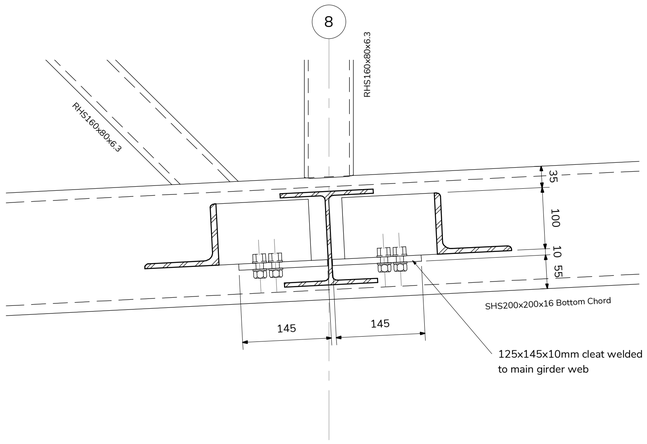
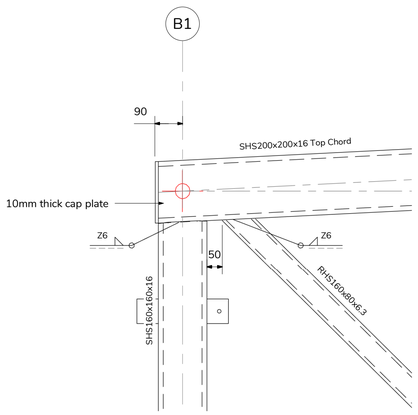


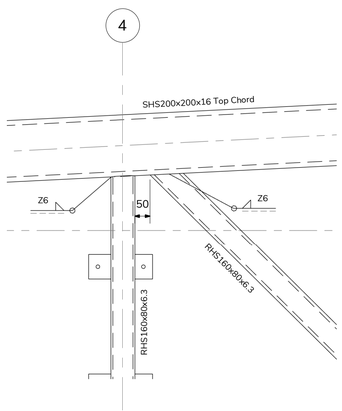
Detail D
Typical Bracing Layout
1 : 5



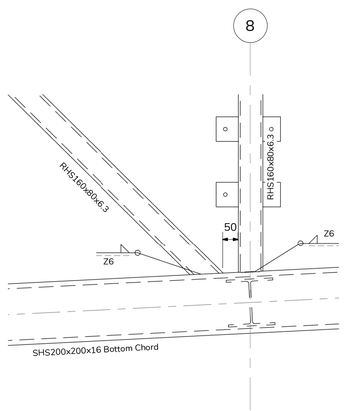
Section 1
1 : 5



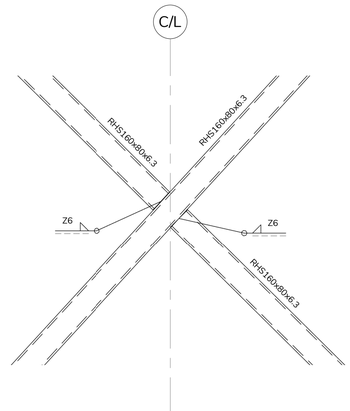
Detail E
1 : 10



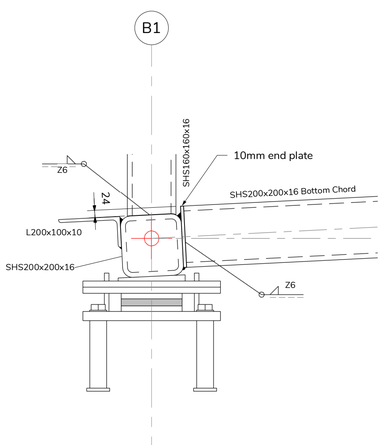
Detail F
1 : 10



Detail G
1 : 10



Detail H
1 : 10



Detail J
1 : 10

CDM Key

Indicates a residual risk requiring a compulsory action

Conveys information about a residual risk

Indicates a residual risk requiring a specific action to be avoided

Warns of a residual risk or information that is unusual and cannot be designed out

General Notes
1. All dimensions in millimetres. All levels in meters.
2. This drawing to be read in conjunction with other scheme drawings if applicable.
3. This is a CAD produced drawing and should not be amended by hand.
4. Do not scale from this drawing, work to stated dimension only. If in doubt, ask.
5. Structure designed in accordance with BS EN 1993-2 Bridge Design.

Design
1. Geometry: (Basis of design as per BS EN 1990)
2. Bridge length = 35.72m
3. Clear width = 2.500m minimum (Between parapets)
4. Overall bridge weight = 24t (Steel = 21t)
5. Loading: (Loading as per BS EN 1991, resistance as per BS EN 1993)
6. Live load (UDL): 5.0kN/m^2 (For smaller loaded lengths)
7. Live load (UDL): 4.7kN/m^2 (For full span loaded lengths)

Steelwork
1. All steelwork to be executed in accordance with SHW 1800 as further supplemented by information in this drawing. The execution class is to be EXC2 design in accordance with EN 1090. All steelwork to be UKCA marked.
2. All welds to be free from sharp edges.
3. All proprietary products to be applied strictly in accordance with manufacturer's instructions.
4. All structural steelwork to be fabricated from minimum grade S355 J0. All ancillary steelwork to be fabricated from minimum grade S275 JR.
5. All steel to BS EN 10025 & BS EN 10210.
6. Steelwork to be hot dip galvanised to in accorandacne with BS EN ISO 1461 (85 µm).
7. All welds to be min. 6mm leg fw unless otherwise stated to BS EN 1011-2:2001.
8. All bolts to be minimum grade 8.8 to EN ISO 898-1 U.N.O. and galvanized / sheradized U.N.O.
9. Tension control bolts (TCB) to be use where noted grade 10.9 and Greenkote corrosion protection applied in accordance with EN 14399-1:2005

Timber
1. All timber to be min C24 softwood in accordance with BS EN 1995-1-1 and the TRADA National Structural Timber specification.
2. Timber end grains after cutting to be sealed with suitable wax.
3. Tolerance to be added when ordering timber.
4. All sharp edges to be removed from parapet rails and planed all around (E4E par)
5. All proprietary products to be applied strictly in accordance with manufacturer's instructions

FRP
1. FRP pultruded members to be to BS EN 13706:2002 Grade E23.
2. FRP to not lose its colour due to sun rot.
3. POLYplank Decking Planks to be black in castellated finish.
4. FRP box profile colours to be dark grey / black.

CDM Notes
1. CDM notes are provided to assist the principal contractor to fulfill their obligations under the Construction Design & Management Regulations 2015. It does not include residual risk that a competent contractor will be aware of nor does it absolve the principal contractor of his legal responsibilities

For further hazards and risk information, refer to project risk assessment: **BB1543-DRA-01 Rev 1**

Rev	Description	Chkd	By	Date
C01	Issued for Construction	ED	BKD	02.06.23
P02	Tender	AK	ARH	31.03.23
P01	Comment	AK	ARH	28.02.23

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Cartmel Drive,
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Tel: 01743 811 811

Client
Yorkshire Dales NPA

Project Name
Cross Keys Footbridge

Drawing Title
Steelwork
Key Details Sheet 2

Start Date	Drawn	Designed	Checked	Scale
	ARH	AK	ED	As Shown

Drawing Status: AFC
Page Size: A1
Drawing No: BB1543-01-1800-XX-0007
Rev: C01