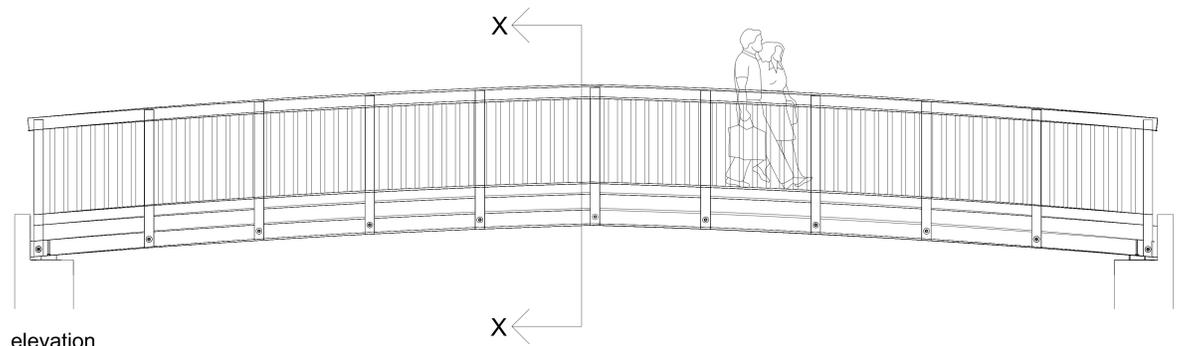
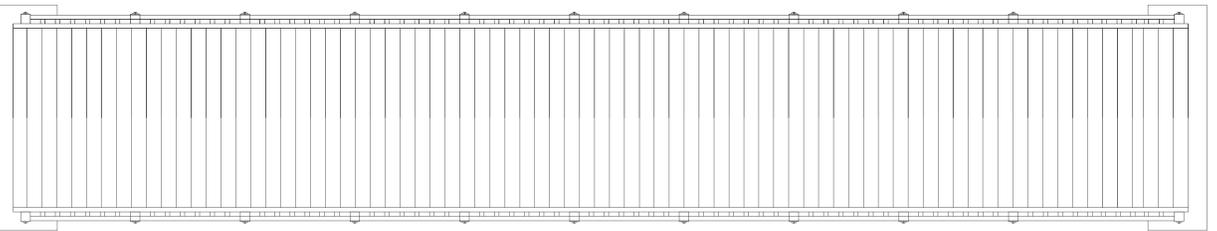


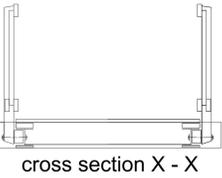
SECTION X-X 1:25



elevation



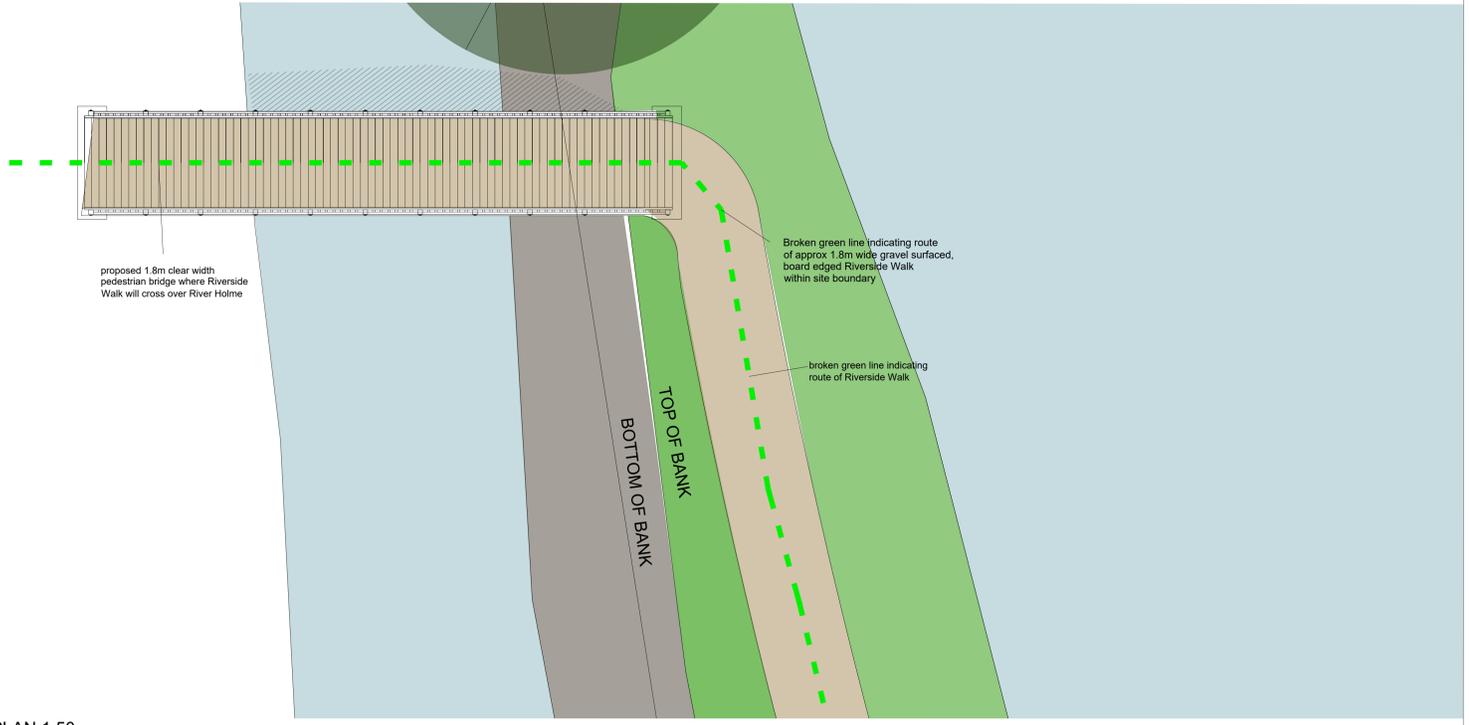
plan



cross section X - X

Specification for Pedestrian Footbridge:
Overall Length : 12.1m
Clear width between parapets : 1.8m
Structural form: Cambered steel universal main beams grade S355 J2 G3 to BS EN 10025 including holding down brackets and bearers all with hot dipped galvanized finish.
Parapet: Height 1.15m vertical infills at max 110mm spacing, European Redwood supplied from sustainable managed sources.
Deck: European Redwood - incorporating two factory applied non slip inserts comprising a polyurethane resin base with aggregate overlay strips of resin/bauxite inserted into grooves of deck. In compliance with the requirements of BD 29/04, Design Manual for Roads and Bridges; Design criteria for footbridges - Part 8, to achieve a mean corrected pendulum test value of 45 units.
Timber Protective System: All softwood to be vacuum/pressure treated in accordance with BS:EN 351-1 for Hazard Class 4 as defined in BSEN 335-1 for a desired service life of 30 years with preservative tested in accordance with BS EN 599-1

Design: All design work for the proprietary bridge will undertaken by Chartered Civil and Structural Engineers experienced in bridgework design. The structure will be designed for a vertical uniformly distributed live load of 5kN/m². A point load of 3kN will be considered acting on a 200mm x 200mm square in accordance with BS EN 1991-2:2003 Cl 5.2.3 (2) - (note this is a departure from BS EN 1991-2:2003 Cl 5.3.2.2(1)) All steelwork designed in accordance with Eurocode 3 for ultimate limit state. Vibration will be checked in accordance with BD 37/01 Appendix B using the simplified method of deriving maximum vertical acceleration only and checked to BD 49/01 but with no allowance for wind tunnel testing. Abutment walls and foundations formed with in-situ reinforced concrete to BS 8500-2 with ribbed bar reinforcement to BS 4449 and reinforcing fabric to BS 4483. Final design of the abutments and foundations to be in accordance with Consulting Civil and Structural Engineers



SITE PLAN 1:50

DO NOT SCALE OFF THIS DRAWING

ACUMEN DESIGNERS & ARCHITECTS
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 Headrow House, Old Leeds Road, Huddersfield, HD1 1SQ

Client: ELISTON HOMES
 Project: PRICKLEDEN MILLS HOLMFIRTH
 Paper No: 2659 Drawing No: (100)66 Rev: -
 Description: PEDESTRIAN BRIDGE UPSTREAM

Scale: 1:25/50 @ A0 Date Drawn: JUL 23 Drawn By: AO Authorised By: JC
 Purpose of Issue: Planning Building Regs Tender Construction Contract