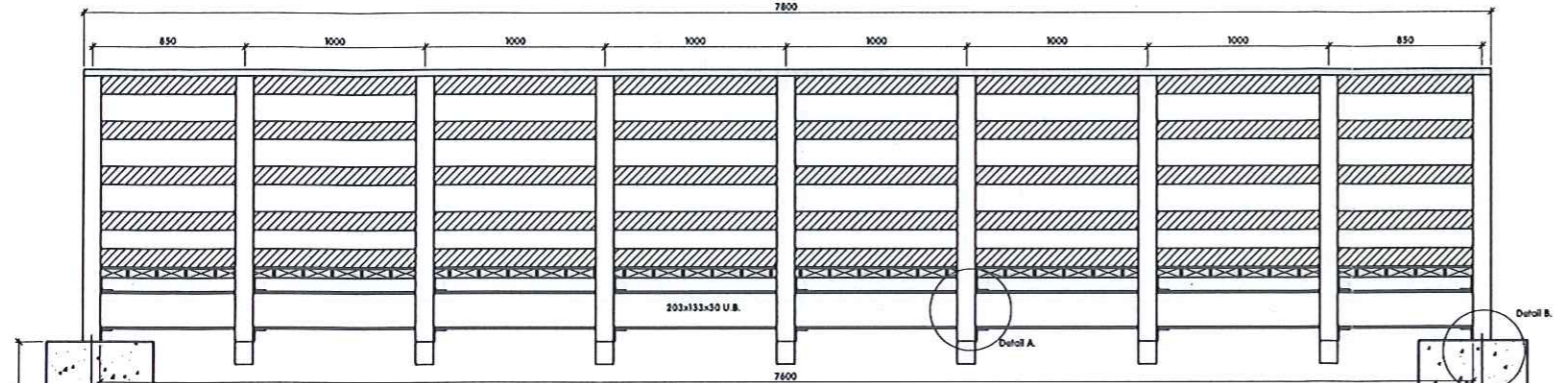
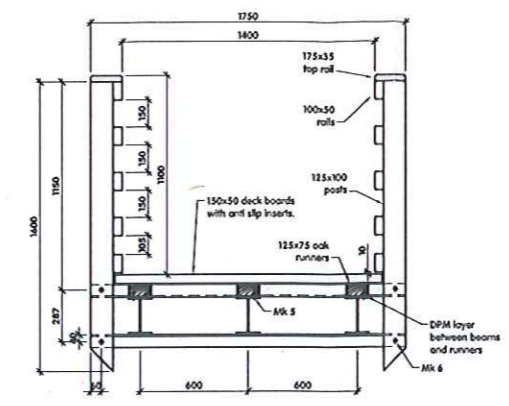


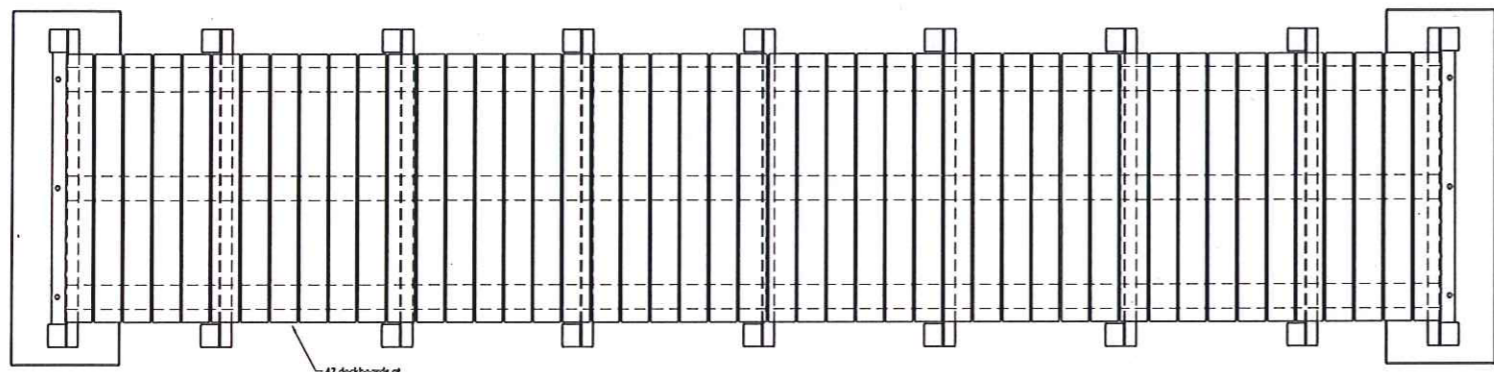
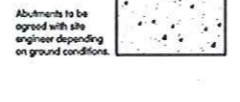
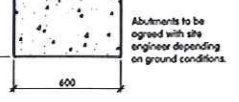
N/A / 2011 / 0 6 5 3 / FL



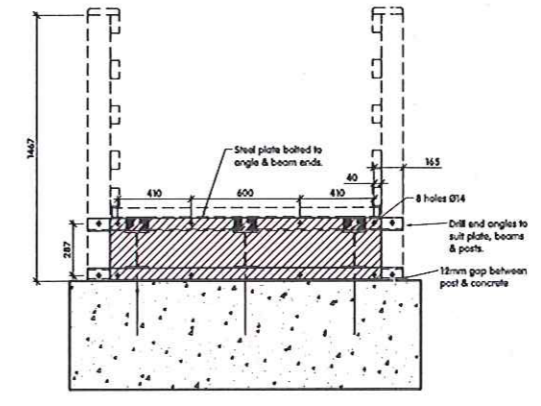
ELEVATION
Scale 1:20



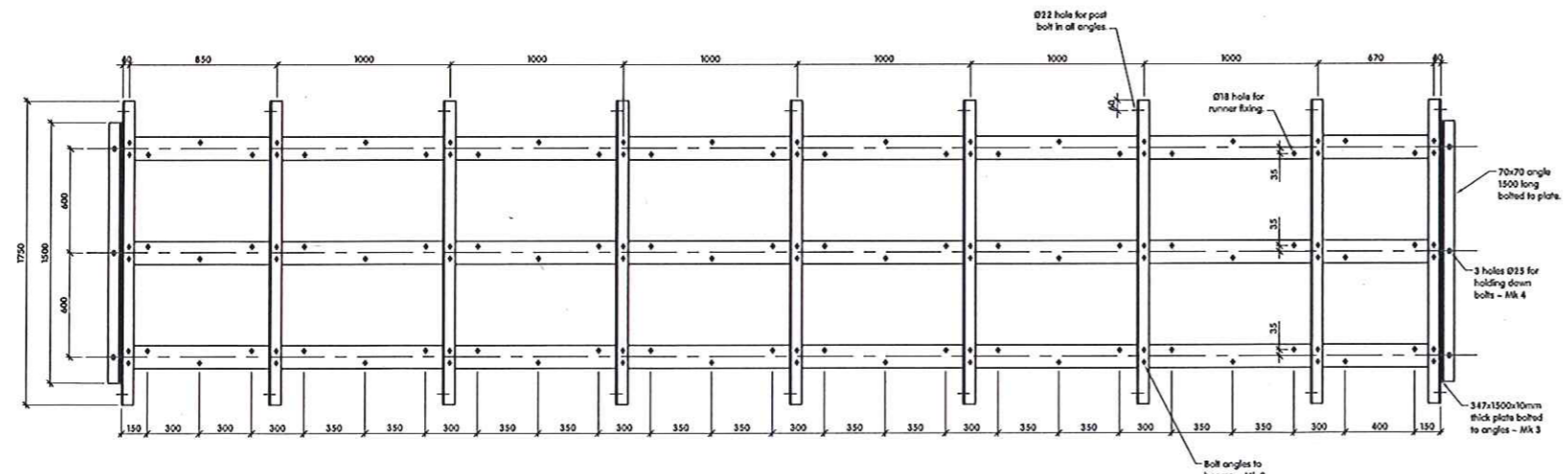
SECTION THROUGH BRIDGE
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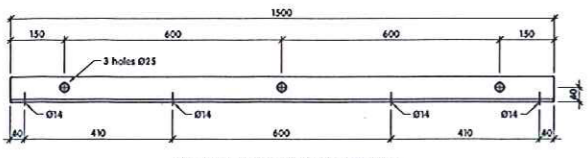
PLAN OF BRIDGE DECK
Scale 1:20



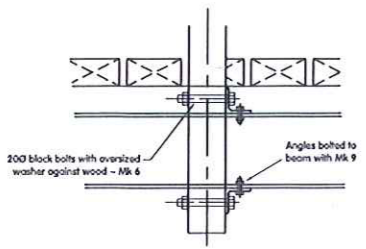
SECTION THROUGH ABUTMENT
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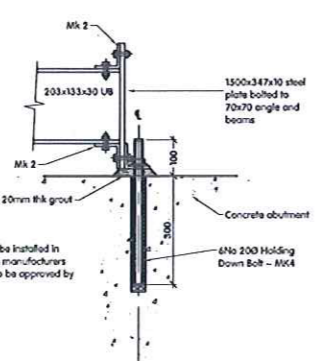
PLAN OF STEELWORK
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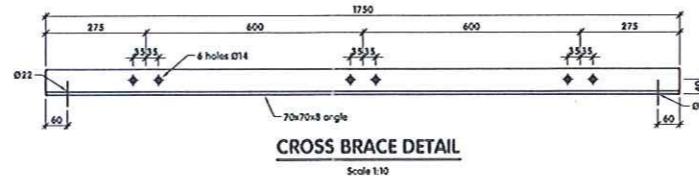
MOUNTING ANGLE DETAIL
Scale 1:10



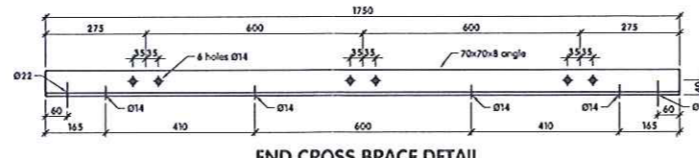
DETAIL A
Scale 1:10



HOLDING DOWN BOLT - DETAIL B
Scale 1:10



CROSS BRACE DETAIL
Scale 1:10



END CROSS BRACE DETAIL
Scale 1:10

- NOTES:**
- This drawing is to be read in conjunction with the Specification and all relevant Engineers drawings. All brand named products may be replaced with equal products subject to approval by the designer.
 - All dimensions are in millimetres unless stated otherwise.
 - Access to the site is by forest road constructed for all Construction and use vehicles.
 - All concrete to comply with EN204-B58500. Mix RC35, S2 slump, 280kg cement and water cement ratio 0.6. Surface finish, all hidden faces F1, visible faces F5.
 - TIMBER - All timber to be visually graded to Forestry Commission classification. Holes to be drilled before treatment. All timber except Larch heartwood to be treated with Tanalith-E preservative, ends treated with Enselo 3450 if cut on site. All timber to be supplied from a sustainable source FSC registered or equivalent. G5 - General Structural with growth rings not more than 10mm S5 - Special Structural with growth rings not more than 6mm. Handrail joints must not be adjacent. For other details of specification refer to Contract Document or contact Civil Eng. Central Services, NRS.
 - Steel reinforcement to BS 4449:2005. Min. cover to reinforcement to be 40mm, and bent in accordance with BS 8666:2005. Dowel bars to be stainless steel and in accordance with BS6744:2001. 20mm diameter ribbed bars with a yield strength of 460N/mm².
 - Backfill to abutments to be free draining granular material. Backfill not to be taken above beam bearing level until beams are fixed.
 - Coch screws to be dipped in light oil before use.
 - Design speed limit on bridge to be 25km/h.
 - Ground bearing capacity to be assessed and approved by the Engineer.
 - Steel beams, stiffener plates and diaphragm plates must be made from Grade S355 J2 G3 steel. Base Plates may be made from S275 J0. All steel to BS EN 10 025. Welds to BS EN 1011-2:2001.
 - All beams, plates stiffeners and diaphragms to be hot dip galvanized in accordance with BS EN ISO 1461:2009.
 - All bolts, screws and washers to be zinc plated in accordance with BS 1706:1990. Classification Code Fa Zn25.
 - Epoxy Resin for holding down bolts by "Selfix" or equal and approved.
 - Should construction be delayed for more than 1 year from the date of issue, please contact Civil Eng Central Services, NRS for the latest drawing revision.
 - The new bridge is located at OS grid reference SX 099 667.

DESIGN BASED RESIDUAL HAZARDS
This symbol indicates that significant residual hazards exist and must be managed during the construction process.

Revision	Date	Changes	Drawn	Checked

FOR INFORMATION ONLY

FORESTRY COMMISSION

CIVIL ENGINEERING CENTRAL SERVICES
Northern Research Station
Roslin, Midlothian
EH25 9SY

ELLERBURN AREA FOREST DISTRICT

STEEL & TIMBER FOOT BRIDGE
7m CLEAR SPAN
GENERAL LAYOUT & DETAILS

Drawn: JAC	Job No: FCE/1130	Date: 13th July 2011
Checked: JAC	Scale: 1:100, 1:50, 1:20, 1:10, 1:5	
	Revision: FCE/1130/01	

A1 - DO NOT SCALE