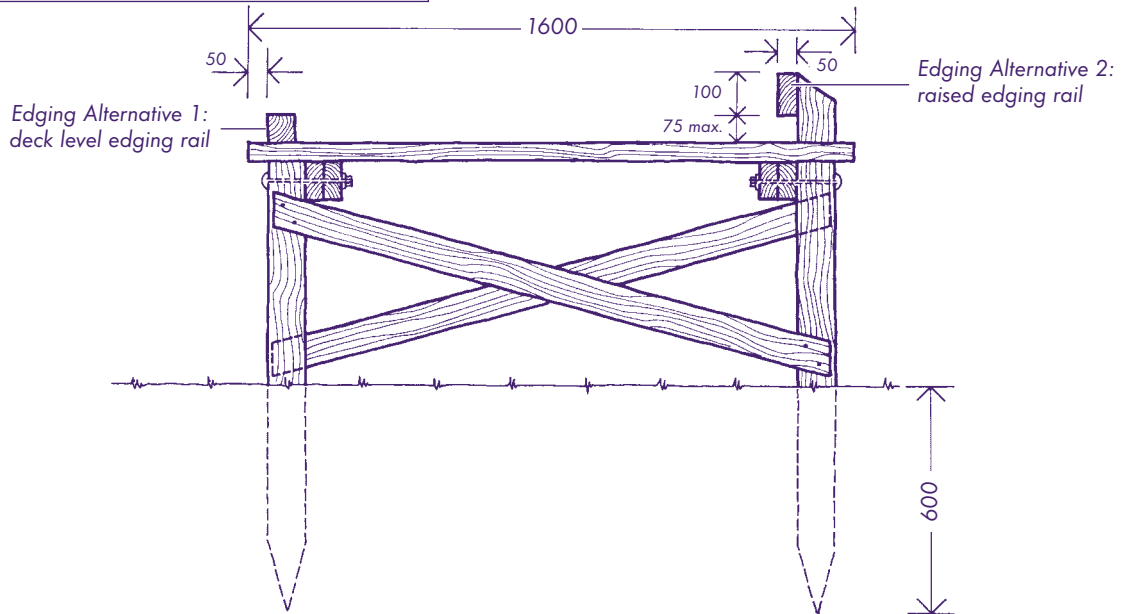
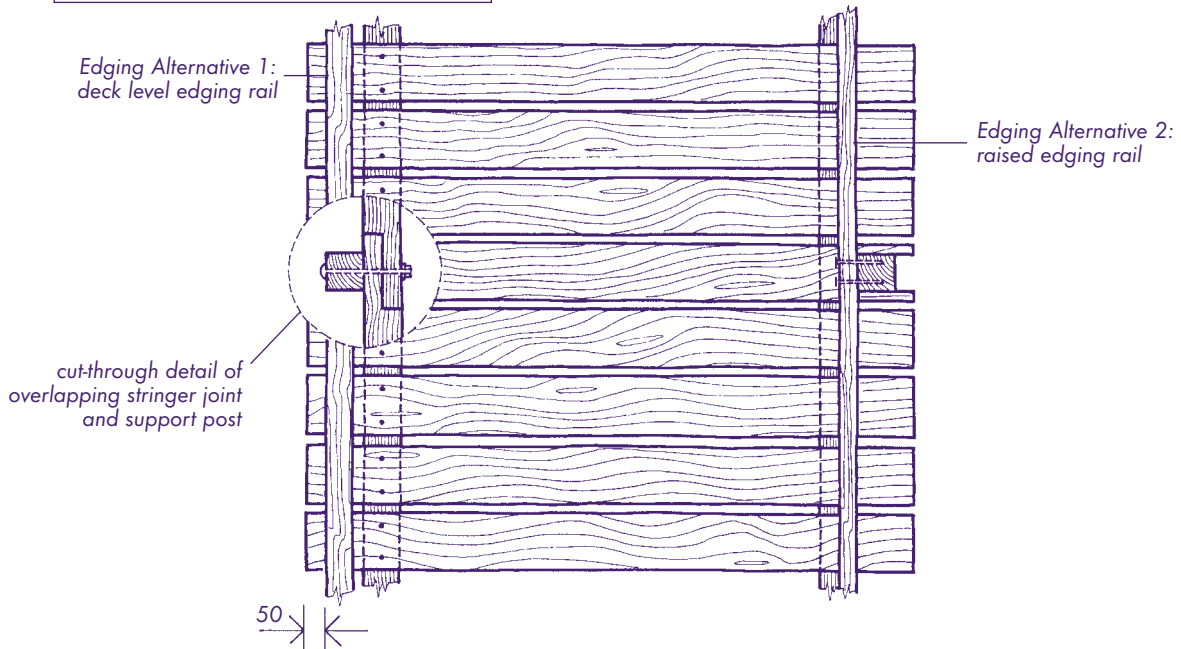




6.2A Section - including alternative edging details
Scale 1:20
0 1000mm



6.2B Plan - including alternative edging details
Scale 1:20
0 1000mm



Boardwalk Purpose

Reducing Visitor Pressure on Sensitive Habitats	Providing Visitor Access across Water & Wetlands	Suitability for Use by Able-Bodied People	Suitability for Use by People with Mobility Difficulties	Suitability for Wheelchair Users
✓	✓	☺	☹	☺



• Notes

A design of boardwalk suitable for wetlands, marshes and other situations where the decking needs to be raised well above the ground level.

It provides a clear width of at least 1200 which is adequate in most situations and is accessible to wheelchair users. If a wider boardwalk is required, it will be necessary to use a different and more substantial design (e.g. 6.4); this design should not be modified or adapted to increase the specified decking width beyond 1600.

For reasons of safety, raised boardwalks should normally be fitted with edge rails or handrails, especially if it is accessible to wheelchair users. The specification overleaf provides details of alternative designs of edge rail; one is fixed directly onto the decking and the other is raised a maximum of 75 mm above the decking. Information Sheet 6.3 provides details of a design with handrails.

With a deck level edging rail to either side, the clear width of the boardwalk is 1350. With a raised edging rail to either side, the clear width of the boardwalk is 1200.

The use of timber impregnated with wood preservatives should be avoided on wetland sites of conservation importance due to the leaching of copper, arsenic or other harmful chemicals.

• Construction and Installation Details

Decking Boards : 1600 x 150 x 50 with a 12 gap between boards (approx 12 no. boards per 2000 run of boardwalk).

Stringers : 2 no. 2200 x 100 x 100 per 2000 run of boardwalk (this allows for a 200 overlap at each join).

Stringer Support Posts : 100 x 100 x required length, at 2000 centres (max.), sunk to a minimum depth of 600.

Stringers to be fixed (at overlapping joint) to posts with 225 x M14 coach bolts.

Decking boards should be fixed to stringers with 100mm sherardised annular ring shank flat headed nails (4 no. per board).

Deck Level Edge : 75 x 75 rails fixed to decking with 100mm M10 galvanised coach screws countersunk . Edging should be set 50 in from edge to prevent decking boards from splitting.

Raised Edge : 100 x 50 rails nailed to stringer supports (extended through the decking).

If the boardwalk is raised more than 600 above ground level, 88 x 38 cross braces should be fitted between the stringer supports.

• Design Source and Contacts for Further Information

Design Sources : 'Countryside Commission for Scotland : Battleby Display Centre - Equipment and Materials for Countryside Recreation Sites' (1989) : Information Sheet 6.9.

National Rivers Authority Recreation Facility Design Manual : Information Sheet 1.6.1.

BT Countryside for All Good Practice Guide : Information Sheet 2.3.

• User Notes : Design Modifications and Reference Information

