

**BRIDGES ♦ BOARDWALKS ♦ JETTIES**



Steel beams clad with a hardwood fascia



Steel beams clad with hardwood fascia and painted steel parapets with hardwood rails



Painted steel beams and metal fabricated parapets

Total support from concept to installation  
 Designs and options to blend in with the environment  
 Constructed with natural hardwood



**TYPE 2S STEEL & HARDWOOD COMPOSITE BRIDGE**

Developed for spans typically up to 25 m, although larger spans possible  
 Steel main beams supplied with galvanised and/or painted protective finishes  
 Width to client requirements  
 Can be designed to accommodate equestrian and vehicle loadings

**OPTIONS INCLUDE**

Choice of parapets  
 Grooved slip resistant decking with optional anti-slip resin bonded aggregate inserts or surface coating  
 Optional timber fascia to provide an all timber appearance  
 Design can incorporate other architectural materials to influence the aesthetic appearance

**THE BENEFITS OF HARDWOOD**

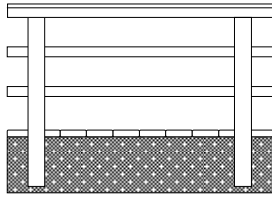
No preservative treatment required  
 Minimal maintenance  
 Excellent vandal resistance & fire retardant characteristics

## BRIDGES ♦ BOARDWALKS ♦ JETTIES

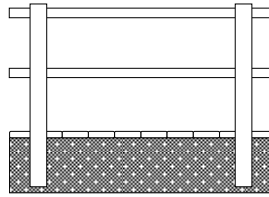
### Parapets **STYLES & OPTIONS**

The parapet plays an important part in the aesthetic value of the bridge. Depending on the situation and purpose, a choice is made for either horizontal or vertical parapets. SHS offers a range of standard hardwood parapets and also welcomes the opportunity to quote for the design and supply of bespoke parapets in both hardwood and metal.

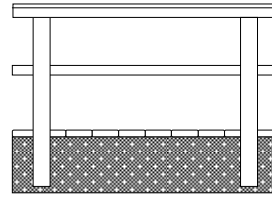
#### SHS STANDARD HARDWOOD PARAPETS



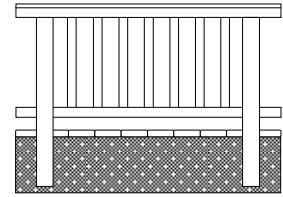
Type A parapet  
Handrail + 2 intermediate rails



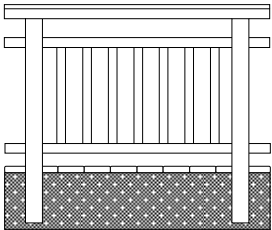
Type B parapet  
2 x intermediate rails



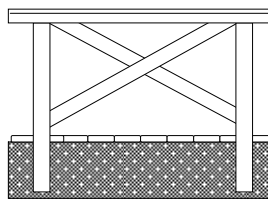
Type C parapet  
Handrail + 1 intermediate rail



Type E parapet  
Handrail + vertical infill rails



Type EE parapet  
Elevated handrail + vertical infill rails



Type G parapet  
Handrail + cross rails

#### TYPICAL HARDWOOD SECTION SIZES

- Posts 95 x 95 mm
- Hand rail 95 x 145 mm
- Intermediate rails 40 x 115 mm
- Vertical infill rails 40 x 40 mm

#### TYPICAL PARAPET HEIGHTS

- Pedestrian 1.15 m
- Cycleway 1.40 m
- Equestrian 1.80 m

## Anti-slip decking

### ANTI-SLIP OPTIONS

Walking surfaces are usually formed from timber decking, which has a grooved slip resistant finish. This resistance can be enhanced by introducing either our factory fitted anti-slip GL Insert or our factory applied anti-slip GL Coating, to the deck surface.

Anti-slip GL options are constructed from particles of aggregates embedded within a modified resin compound. When the compound is cured the resultant finish is a very hard wearing surface with high slip resistant characteristics, suitable for timber decks used in a multitude of locations.

Whichever option you choose, be it the GL Inserts or the GL Coating the resultant finish is an effective, hard wearing surface that compliments the aesthetic appearance of the timber and is the ideal solution for anti-slip safety on an SHS bridge, boardwalk or jetty.

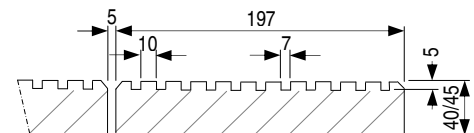
### TYPICAL DECK FIXING

40 mm thick decking

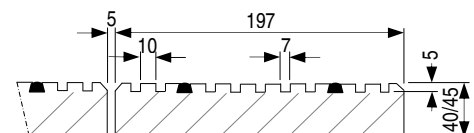
- 8 mm Ø x 90 mm long screws
- 8 mm Ø x 90 mm long dowels

28 mm thick decking

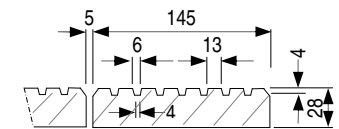
- 5 mm Ø x 60 mm long screws



Deck boards with Grooved Surface



Deck boards – with Anti-Slip GL Inserts



Deck boards – with Grooved Surface