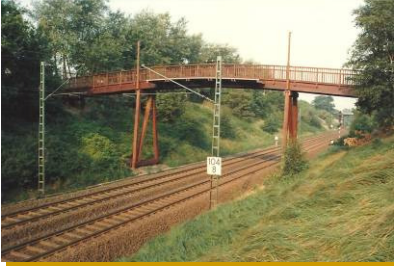


**BRIDGES ♦ BOARDWALKS ♦ JETTIES**



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

**SARUM HARDWOOD STRUCTURES** was established in 1984 since when it has become the market leader in hardwood engineering. In conjunction with our parent company Groot Lemmer, SHS provides to its customers an 'End to End' service, which embraces the design, manufacture, supply and installation of hardwood bridges, boardwalks and structures for pedestrian, equestrian and vehicle users.

The products we supply have been designed to blend in with their environment and are constructed with natural materials that will tolerate varying conditions over the many years to come.

**SOLID HARDWOOD BEAM BRIDGES**

**LAMINATED HARDWOOD BEAM BRIDGES**

**STEEL BEAM BRIDGES**

SHS offers a range of parapet to suit individual tastes and appropriate standard requirement. We also welcome the opportunity to quote and supply custom designed requirements.

Walking surfaces are usually formed from timber decking which is available in a plain or grooved, slip resistant finish. Slip resistance can be enhanced by introducing the SHS anti-slip GL Inserts or the anti-slip GL Coating to the deck surface.

**THE BENEFITS OF HARDWOOD**

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

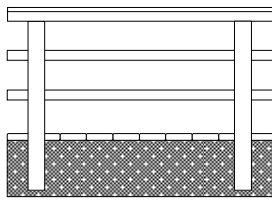


## Parapets

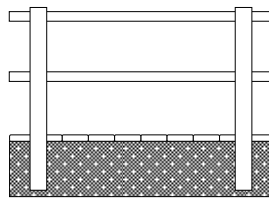
### STYLES & OPTIONS

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.

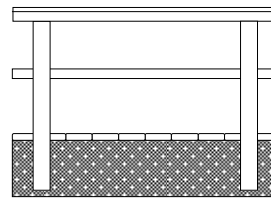
### SHS STANDARD HARDWOOD PARAPETS



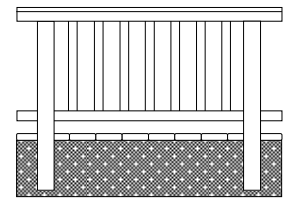
Type A parapet  
Handrail + 2 intermediate rails



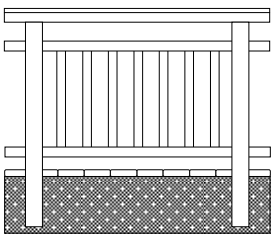
Type B parapet  
2 x intermediate rails



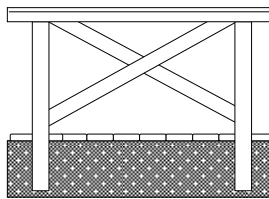
Type C parapet  
Handrail + 1 intermediate rail



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

