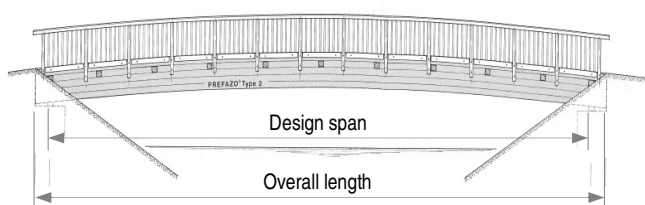


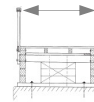
### BRIDGES ♦ BOARDWALKS ♦ JETTIES



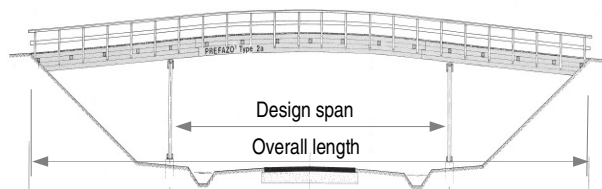
Total support from concept to installation  
 Designs and options to blend in with the environment  
 Constructed with natural hardwood



Width between handrails



**Type 2 Single span bridge**  
 Design span 25.00m max  
 Overall length 26.00m max



**Type 2a Multi span bridge**  
 Overall length is dependant on  
 the number of spans

### TYPE 2 LAMINATED HARDWOOD BEAMS

Developed for spans up to 25 metres  
 Design to accommodate pedestrian, equestrian and vehicle loadings  
 Mechanically laminated beams are more durable than glue laminated beams  
 Can be produced with a pronounced arch  
 Depth of construction can be reduced with 'through deck' design

### OPTIONS INCLUDE

Choice of parapets  
 Decking in a plain finish or with a machine grooved surface to provide slip resistance  
 Decking Anti-Slip resin bonded aggregate GL Inserts or GL Coating to enhance slip resistance  
 A curve machined into the main beams to give a shallow bow effect

### THE BENEFITS OF HARDWOOD

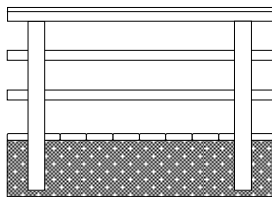
No preservative treatment required  
 Minimal maintenance  
 Excellent vandal resistance & fire retardant characteristics

## Parapets

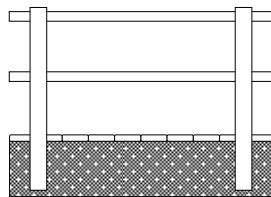
### STYLES & OPTIONS

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.

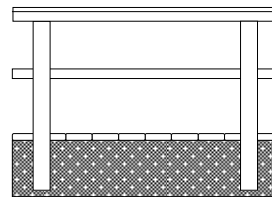
### SHS STANDARD HARDWOOD PARAPETS



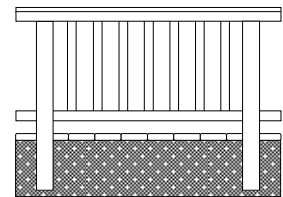
Type A parapet  
Handrail + 2 intermediate rails



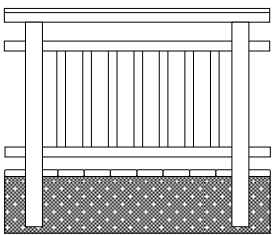
Type B parapet  
2 x intermediate rails



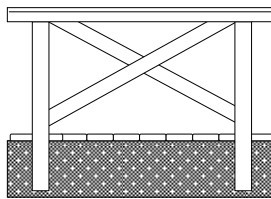
Type C parapet  
Handrail + 1 intermediate rail



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 complements 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

