

# WALL MOUNTED HANDRAIL SYSTEM FITTING INSTRUCTIONS

The Richard Burbidge Wall Mounted Handrail is ideal when your stairs are between walls and can also be used as an additional handrail on open stairs.

The handrail is fixed to walls using Richard Burbidge wall brackets, which should be positioned at a maximum of 1 metre intervals.

When fixing straight lengths of handrail finished with decorative end caps, cut the rail to length, fix end caps and wall brackets to rail, offer rail up to wall at desired height (minimum 900mm above pitch line) and mark, drill and plug wall using plugs suitable for the type of wall construction and for the No. 8 screws supplied.

Added shape can be achieved to the handrail using a configuration of handrail fittings. These are especially useful when fixing the handrail both forward and back of the first and last staircase risers (see figure 1).

Handrail fittings are used to change direction/pitch. These fittings are supplied over long to suit the majority of staircase pitches and will need to be cut down to suit individual requirements.

To calculate angle of cuts, lengths of fittings, positions etc. mark all details out in full size side elevation on either 8 x 4 sheet material or the wall if redecorating (see figure 2). When drawing onto wall, in pencil, mark the pitch line onto stair stringer by placing a straight edge on the nosings. From the pitch line measure vertically the desired height of the top of the handrail. Below this line mark the position of the bottom edge of the handrail.

To establish the angle of cut for the under easing and over easing use the template provided positioned to tram lines (see figure 2). Use the cut template (see template 1) to mark the fitting and saw to the required length.

If necessary also mark and cut the horizontal turn to the required length.

Mark the end sections of the rails and fittings to be joined using the template provided (see template 2). Drill the marked rails and fittings with a 10mm drill bit to a depth of 25mm. Join the rails and fittings together using the serrated dowels provided and PVA Resin W wood glue.

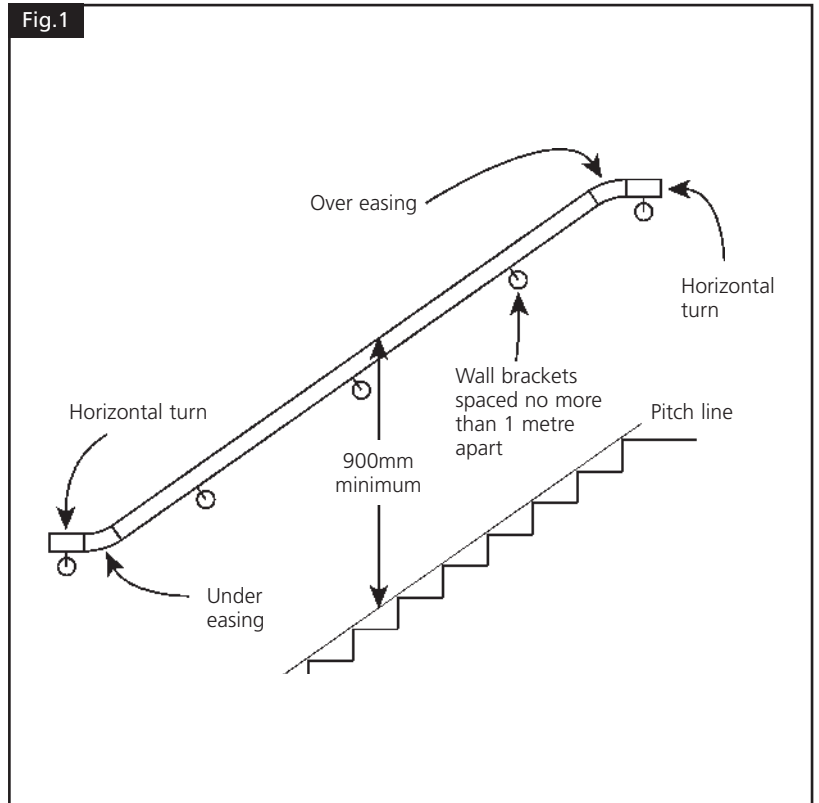
Let glue set before fixing wall brackets to rail to wall.

The horizontal turn should be cut to length and fixed to wall using either a piece of angle iron or 25mm deep end cap (RHR02M/S/BL).

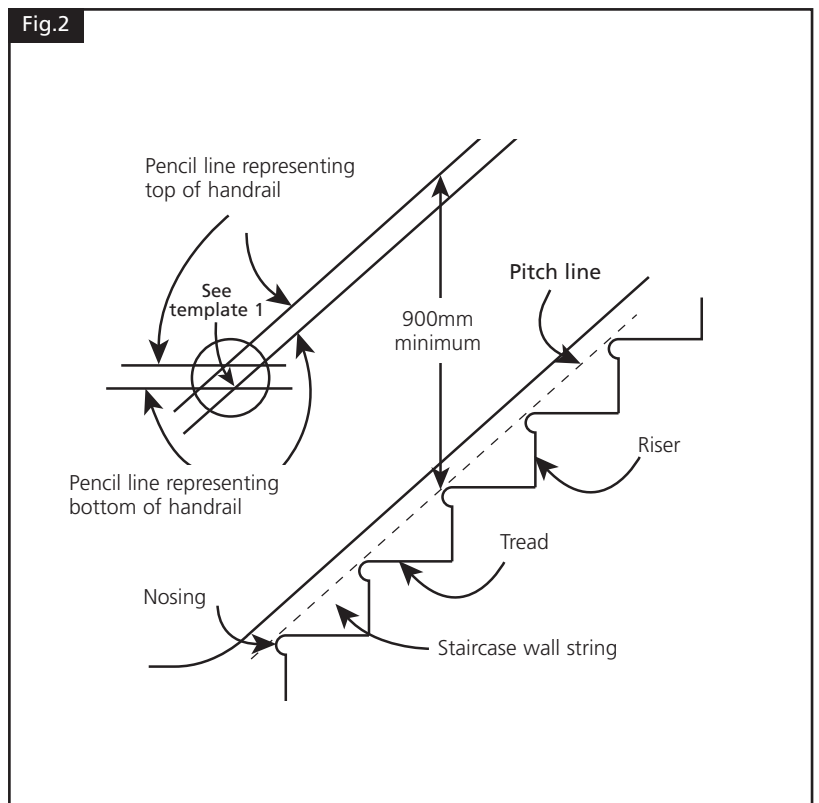
**TECHNICAL HELPLINE:  
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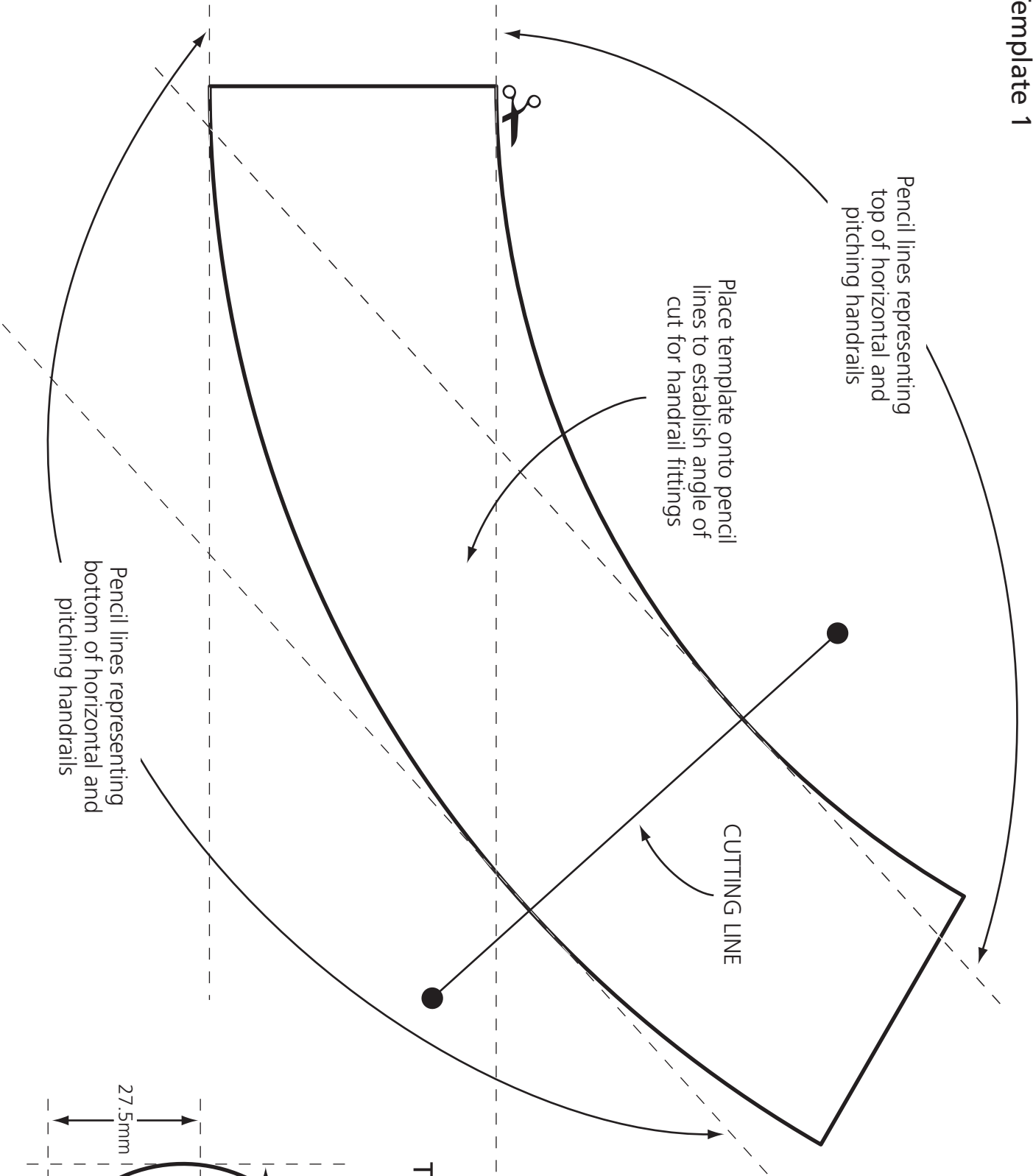
**Fig.1**



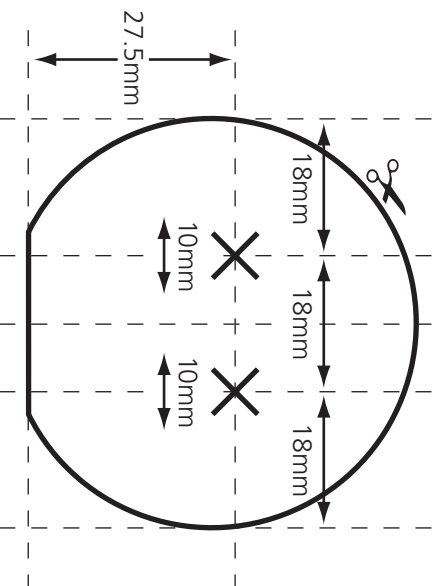
**Fig.2**



# Template 1



# Template 2



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