



BALUSTRADING

TDS-009 Dec 2017

General

All rails and plinths are supplied in standard lengths, any cutting or drilling required should be undertaken by the installation contractor. All balusters are supplied with 6mm x 75mm stainless steel dowels for fixing into rails and plinths and are reinforced for added strength. Steel restraints to provide additional stability for long runs is available on request.

Jointing

The balustrade should be bedded and jointed using 1:1:6 Cement/Lime/Sand mortar (sand to BS882 Grade F).

Joints should be 6mm wide and pointed with RMC, Tilcon or Amber Precast pointing mix.

Fixing Details

1. The balustrade under-copings and plinths should be dowelled at approx 450mm centres into the foundation.
2. The balusters should be located into the plinth and rail with 6mm stainless steel dowels.
3. The balustrade rails should be dowelled end to end
4. The shaft base should be dowelled into the foundation and up into the hollow core of the pier shaft
5. The pier shaft should be lined with polystyrene or similar and infilled with medium to high workability concrete
6. The pier cap should be secured by dowelling from the shaft infill concrete into the underside of the cap.

Dowels

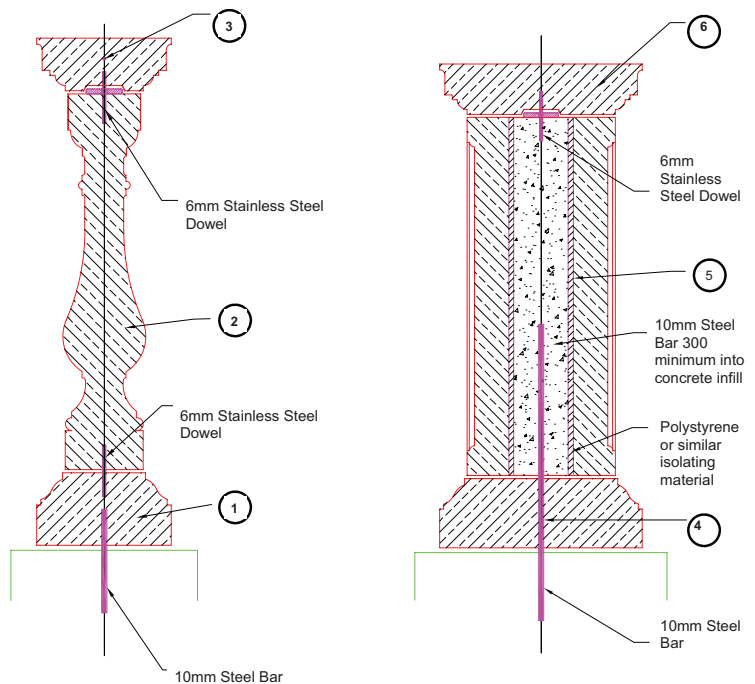
All dowels should be stainless steel and 6mm diameter with the exception of the pier shaft where it is recommended that a 10mm diameter dowel is used.

The dowels should be grouted.

Building Regulations

Where balustrading is used on balconies and/or elevated patio areas current building regulations dictate that the overall height of the balustrade from finished floor level to the top of the rail should be 1100mm (min).

Professional advice should be taken where Building Regulations/Codes and/or local bye laws need to be complied with.



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