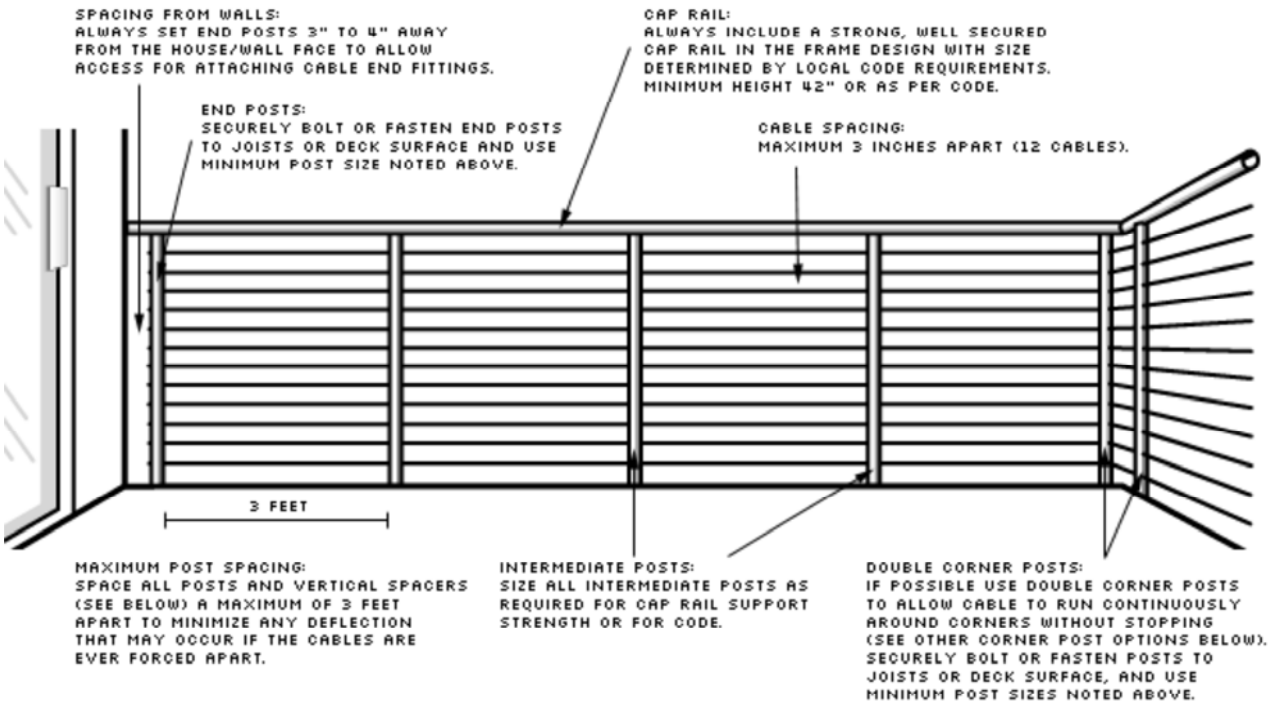
Steel Railing Frames - Construction Requirements

See important notes on the main Frame Requirements & Details page before beginning your project.

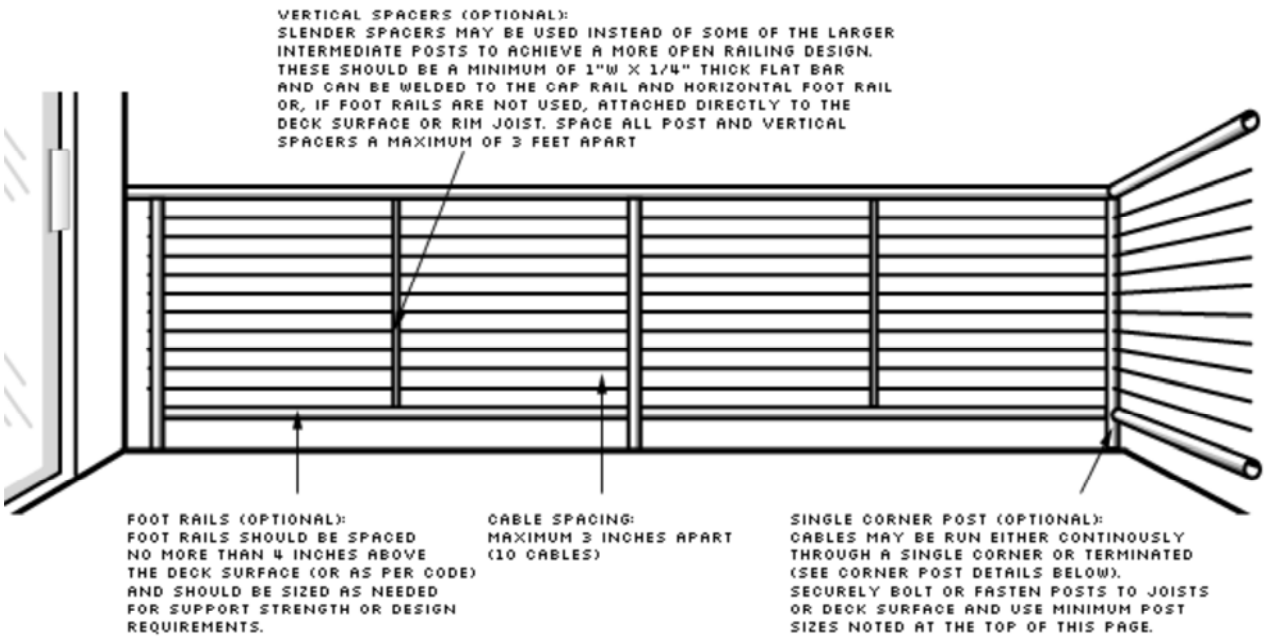
End & Corner Post Minimum Sizes

The end and corner posts need to be strong enough to support the full tension load of the cables. Below are the recommended minimum sizes for the end and corner posts only. The intermediate posts do not support any tension load and only need to be sized as necessary to support the cap rails and meet code requirements.

The Basic Frame Design



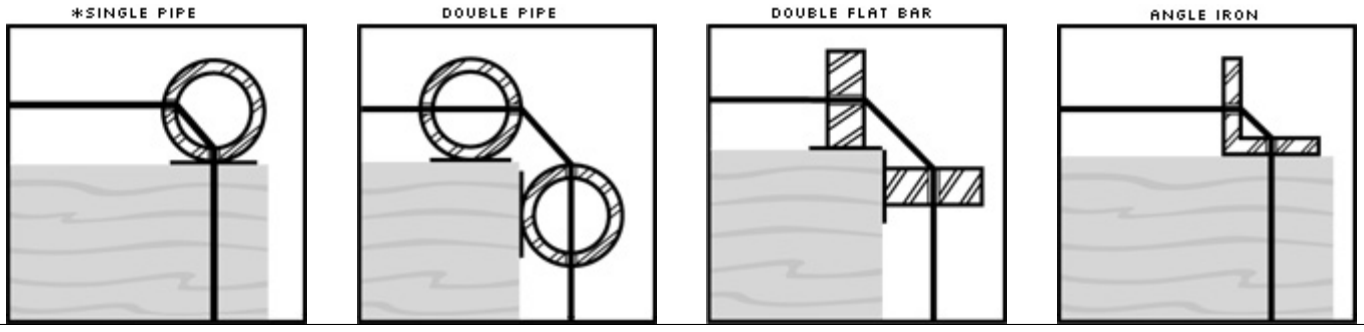
And Some Other Frame Design Options



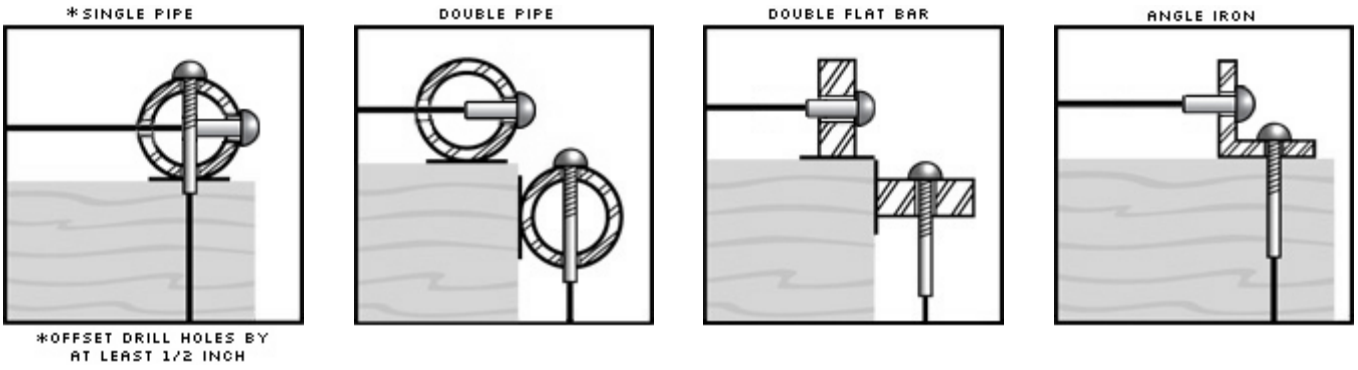
Steel Railing Frames - The Details

Cable assemblies are strung horizontally and may either be terminated at corner posts or run continuously through the corners. Details of these conditions are shown below:

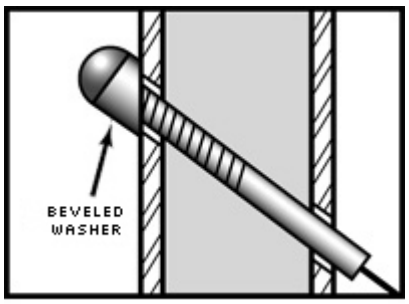
Running Cables Continuously Through The Corners



The detail for square tubing would be the same as that shown for round pipe.

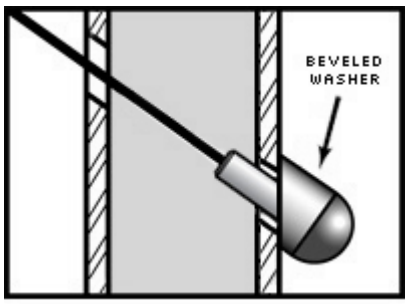


Stair Post Termination - Threaded Terminal Ends



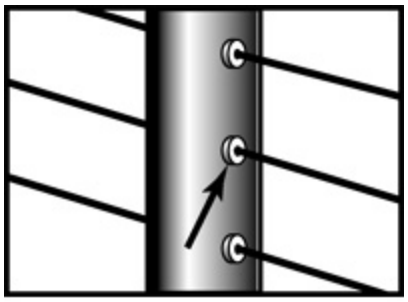
Drill angled holes and use beveled washers.
Part #3799 for 1/8" or 3/16" Threaded Terminal.
Part #3792 for 1/4" Threaded Terminal.

Stair Post Termination - Quick-Connect® SS Fittings



Drill angled holes and use beveled washers.
Part #3792 for 1/8" Quick-Connect® SS fitting.
Part #3798 for 3/16" Quick-Connect® SS fitting.
Part #3798 for 1/4" Quick-Connect® SS fitting.

Adding Rubber Grommets



Rubber grommets #3213 (for 1/8" cable only) may be inserted into the 1/4" holes on tubular posts to add a finish detail for intermediate posts only - not for corner or end posts.