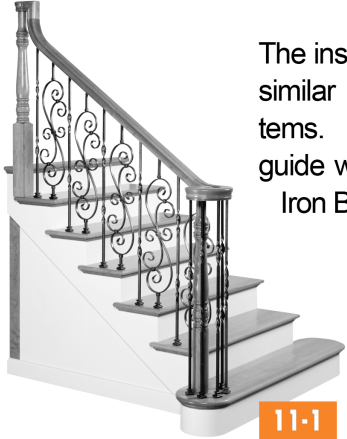


# Iron Baluster Installation Guide



The installation of WM Coffman's Lite Iron Balusters is very similar to the techniques of standard hardwood stair systems. The tools and techniques listed in this installation guide will help you to easily create the stylish look that an Iron Baluster Design provides for today's modern home.

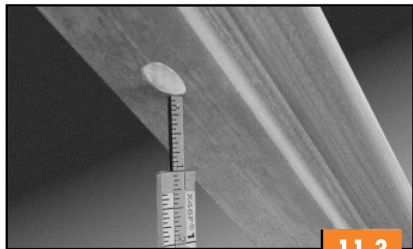


11-2

Begin the installation by marking the treads and underside of the rail for baluster placement. At the baluster location, drill an 11/16" (for 1/2" Lite Iron Balusters or 3/4" for 9/16" Lite Iron Balusters) diameter hole 1" deep into the treads and landing tread and 1-1/2" deep in the underside of the rail.



11-2



11-3

With all baluster holes drilled, use a carpenter's rule to measure the exact distance from the tread to the lower side of the drilled 1/2" diameter hole in the rail.

11-4

After adding 1" for insertion into the rail and 1" for insertion into the tread, use a mitre saw equipped with standard 1/8" flexible cut-off blade to **trim the bottom of the baluster** to the exact length.



11-4



11-5

When all balusters are trimmed and ready for installation, apply Epoxy Adhesive into each baluster hole in the treads, landing tread and the rail.

*NOTE: Check the work time for the epoxy used to plan accordingly.*

11-6

Making sure that the corresponding base collar (shoe) is placed on the bottom of the baluster, set each baluster into the tread hole.



11-6



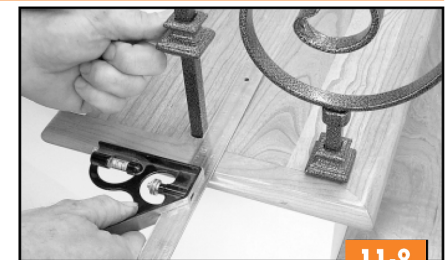
11-7

11-7

Working one baluster at a time, place the rail system on top of the balusters and install the rail permanently to the newels. Each baluster should then be rotated one turn to assure even coverage of the epoxy.

11-8

A combination square should then be used to square each baluster on the tread.



11-8



11-9

11-9

Finish the installation by using epoxy to fill any void around the base of the baluster and to secure the base collar.

Continue through stair segments until the entire stair installed. Allow time for curing based on adhesive manufacturer's recommendations.