

BEFORE YOU BEGIN:

It is a good idea to check with the office of the local building inspector as local building codes and by-laws may apply. The vertical height from floor to top railing and the space between balusters are frequently stipulated.

RAILINGS with Pre-Drilled Rail **OR** **RAILINGS** with Connectors



STEP 1.
Set newel posts to accommodate pre-drilled rail length (available in 71 ½" or 95 ½").



STEP 1.
Set newel posts to accommodate rail.



STEP 2.
Center pre-drilled rail between newel posts and trim equal amounts from each end of top and bottom rails.



STEP 2.
Using center line of rail measure and mark baluster spacing on top and bottom rails. (Typical code requires less than 4" between balusters).

STEP 3.
Attach bottom rail to newel post using rail to post hardware kit. Use 2x4 block under rail to get desired height from deck.



STEP 3.
At marks, attach baluster connectors for railings with stainless steel screws.



STEP 4.
With high quality caulking, fill all holes in pre-drilled rail halfway (to protect from moisture) and insert baluster into rail.



STEP 5.
Fit balusters fully over connectors.



STEP 5.
Install top pre-drilled rail by aligning balusters with holes at one end and push down firmly as you travel down the length of the rail until all balusters are securely placed into the holes. Ensure rail is level. Fasten rail to newel post.



STEP 6.
Install top rail by aligning balusters to attached connectors starting at one end and pushing down firmly as you travel down the length of rail until all balusters are securely in place. Ensure rail is level. Fasten to newel post.



STEP 6.
Apply cap rail (optional).



STEP 7.
Apply cap rail (optional).



STEP 1.
Lay rails across nosing of stairs. Center pre-drilled rail, mark it where it crosses the post and draw a line vertically. This will give you the appropriate end cut to fit between the posts.



STEP 1.
Lay rails across nosing of stairs. Center rail, mark it where it crosses the post and draw a line vertically. This will give you the appropriate end cut to fit between the posts.



STEP 2.
Attach the bottom rail (with holes facing up) to posts.



STEP 2.
Measure center of rail and mark spacing required.



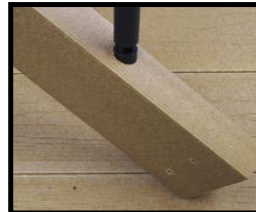
STEP 3.
Caulk all holes in top and bottom rail with high quality caulking. Push wider end of angle adaptor into pre-drilled rail holes. Fit baluster over angle adaptor.
Helpful hint: angle adaptors fit standard stair angles (rise of 7" and run of 11 1/4").



STEP 3.
At marks, attach baluster connectors for stairs with stainless steel screws.



STEP 4.
Insert narrow end of adaptor into top of baluster. Check that all angle adaptors are arranged correctly and are facing the correct direction. Install top pre-drilled rail by aligning balusters with holes at one end and pushing down firmly as you travel down the length of rail until all balusters are securely in place.



STEP 4.
Attach bottom rail to posts.

STEP 5.
Fit balusters over connectors.



STEP 5.
Apply cap rail (optional).



STEP 6.
Install top rail by aligning balusters with connectors at one end and pushing down firmly as you travel the length of the rail until all balusters are securely in place. Attach handrail to post.



STEP 7.
Attach cap rail (optional).