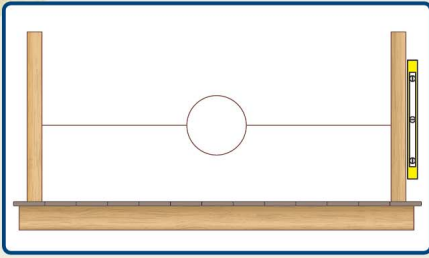
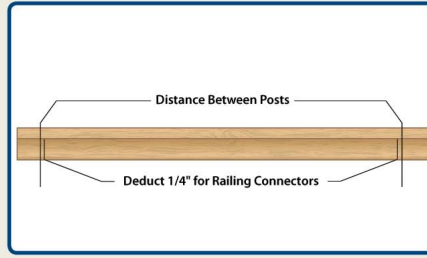


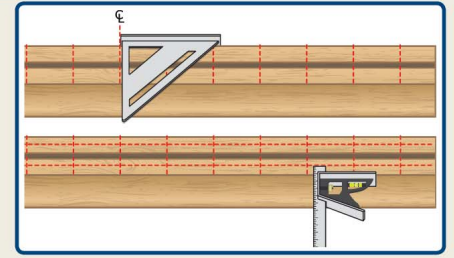
LEVEL



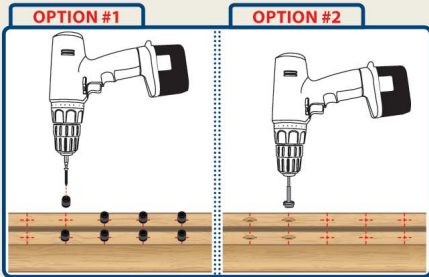
STEP #1 - Plumb posts/mounting surfaces. Measure inside distance of posts/mounting surfaces.



STEP #2 - Using step - 1 measurement, deduct 1/2" from total measurement for railing connectors (if not using railing connectors, cut to step - 1 measurement). Cut both top and bottom rails.



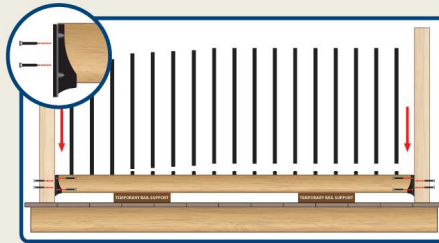
STEP #3 - Lay top and bottom rails beside each other and flush ends. Find the center of rails and mark **lightly**. Measure out 4-1/2" from both sides of center line and mark **lightly**. End spacing will vary. Set a combination square for center (example: 1-1/2" = 3/4") and mark **lightly**. Where lines intersect will be the center of baluster.



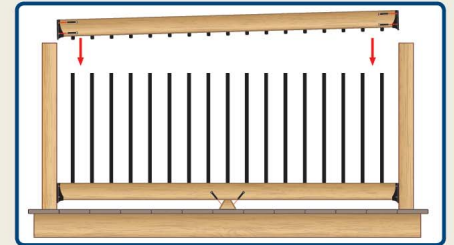
STEP #4 - There are two options for installing balusters.

Option #1 - Connector Method: Insert screw through connector and install where lines intersect (you may want to mark the center with a nail before drilling).

Option #2 - Insert Method: Drill a 3/4" hole, 3/4" deep in top and bottom rails where lines intersect.



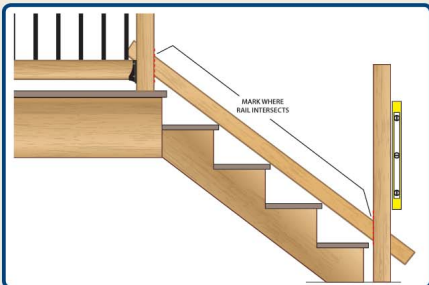
STEP #5 - Install two (2) #8 x 2" screws (per connector) through railing connector into rail ends. Rest bottom rail on two (2) temporary spacer blocks the required height between deck and bottom of bottom rail. Center railing connectors on post and install four (4) #8 x 2" screws (per connector) through railing connector into posts. Apply a small amount of silicone caulk to diameter of baluster where it meets baluster connector or insertion hole to insure a tight, movement-free installation. Install balusters on bottom rail.



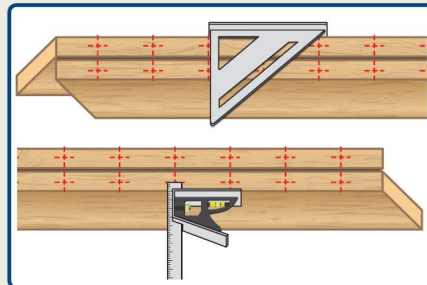
STEP #6 - Start Top Rail at an angle and insert connectors into balusters or balusters into insertion holes in top rail. Make sure balusters are fully connected. Install four (4) #8 x 2" screws (per connector) through railing connectors into posts.

NOTE: With spans greater than 6' (or required), install a foot block (use cut-off from rail).

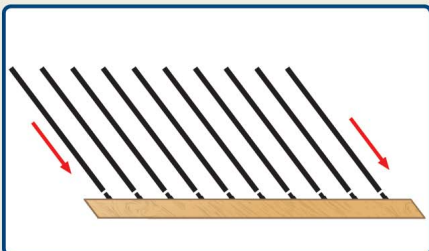
STAIR



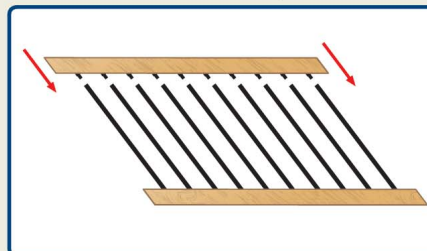
STEP #1 - Lay bottom rail alongside posts and mark for angle. If posts are plumb top rail should be the same length and angle. Cut top and bottom stair rails at proper angle.



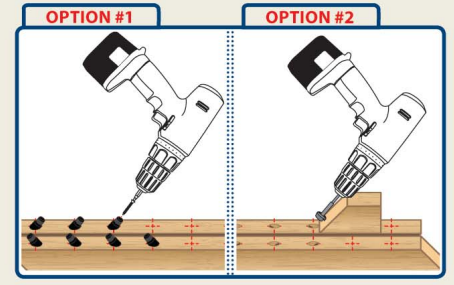
STEP #2 - Lay top and bottom rails beside each other with the top rail turned upside down. Position rails as shown. Find the center of rails and mark **lightly**. Measure out 5-1/2" from both sides of center line and mark **lightly**. End spacing will vary. Set a combination square for center (example: 1-1/2" = 3/4") and mark **lightly**. Where lines intersect will be center of screw/insertion hole.



STEP #4 - Make sure connectors are properly lined up. Apply a small amount of silicone caulk to diameter of baluster where it meets baluster connector or insertion hole to insure a tight, movement-free installation. Install balusters on bottom rail.



STEP #5 - Start Top Rail at an angle and insert connectors into balusters or into insertion holes until all balusters are in place. Make sure balusters are fully connected.

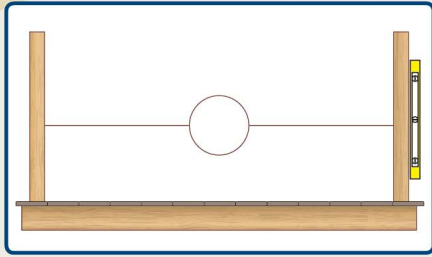


STEP #3 - There are two options for installing balusters. **Option #1** - Connector Method: Insert screw through connector and install where lines intersect (start screw vertically and tilt screw to proper angle). **Top and bottom baluster connectors will be facing opposite directions.** Do not overtighten. **Option #2** - Insert Method: Drill a 3/4" hole, 3/4" deep in top and bottom rails where lines intersect using a rail cut-off as a guide block for stair angle.

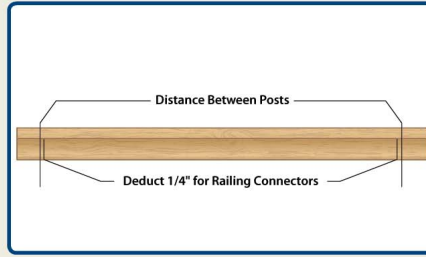


STEP #6 - Install stair rail assembly.

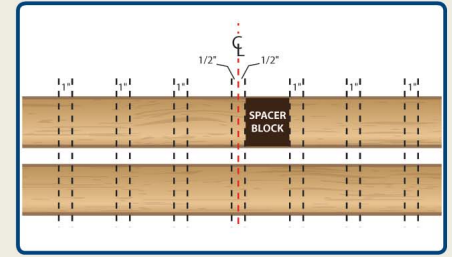
Please Note: Do not exceed a 4" gap between balusters. Gap between deck and bottom rail should not exceed 4". It is the responsibility of the installer to meet or exceed all code and safety requirements, and to obtain all required building permits. These instructions are only a guide and may not address every circumstance. The deck and railing installer should determine and implement appropriate installation techniques for each situation. **Solutions shall not be held liable for improper or unsafe installations.**



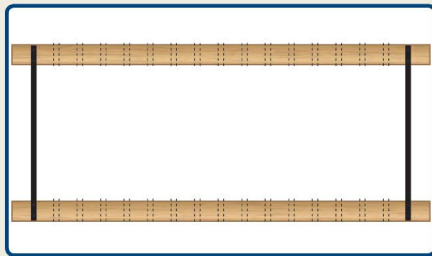
STEP #1 - Plumb posts/mounting surfaces. Measure inside distance of posts/mounting surfaces.



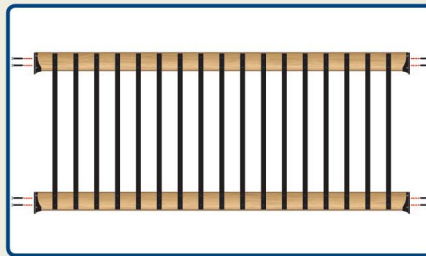
STEP #2 - Using step - 1 measurement, deduct 1/2" from total measurement for railing connectors (if not using railing connectors, cut to step - 1 measurement). Cut both top and bottom rails.



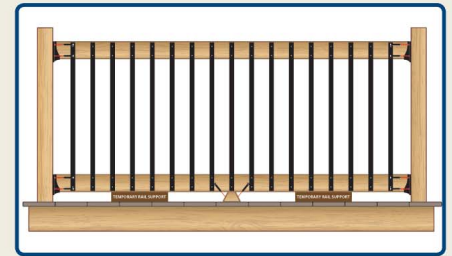
STEP #3 - Find center of top and bottom rails. From center line, measure and mark 1/2" on both sides of center mark (marking a 1" space). Cut a 3-1/2" spacer block and hold against the outside edge of center 1" space. Repeat process on other side of center and continue across rail. NOTE: 3-1/2" is a "Starting Point" it may be necessary to adjust spacing depending on rail length. Do not exceed 4" gap between balusters.



STEP #4 - Lay rails on a flat surface & install the two (2) outer balusters (four (4) screws per baluster). This will maintain spacing between rails.

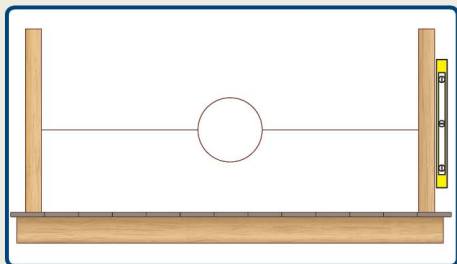


STEP #5 - Finish installing balusters. Slide railing connectors on rail ends making sure rail is fully seated in connector. Install two (2) #8 x 2" screws (per connector) through railing connectors into rail ends.

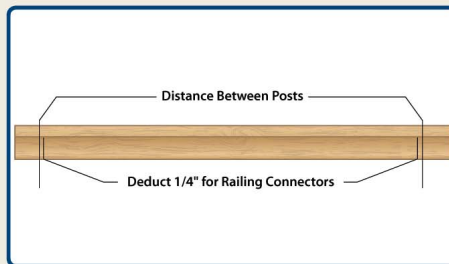


STEP #6 - Rest rail section on two (2) temporary spacer blocks the required height between deck and bottom of bottom rail. Center railing connectors on post and install four (4) #8 x 2" screws (per connector) through railing connector into posts. NOTE: With spans greater than 6' (or required), install a foot block (use cut-off from rail).

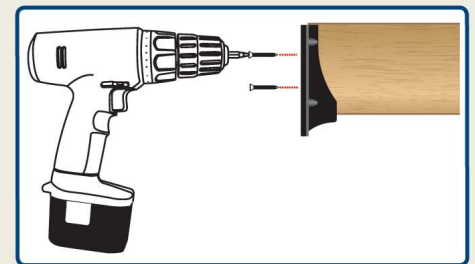
RAILING CONNECTOR INSTALLATION GUIDE



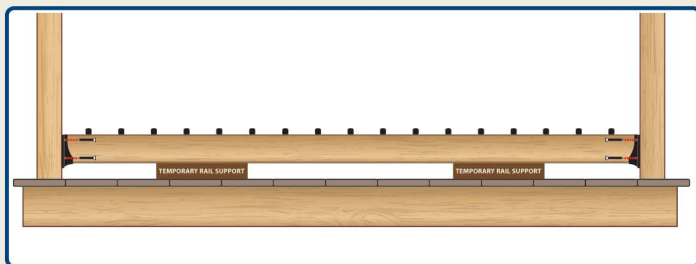
STEP #1 - Plumb posts/mounting surfaces. Measure inside distance of posts/mounting surfaces.



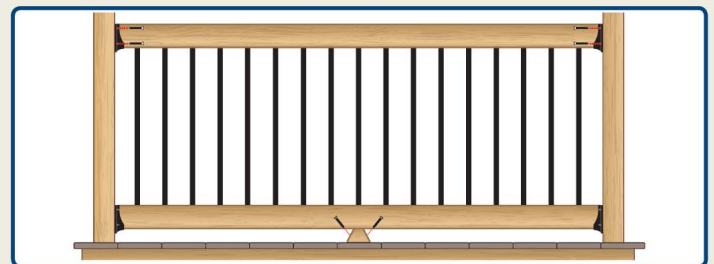
STEP #2 - Using step - 1 measurement, deduct 1/2" from total measurement for railing connectors. Cut both top and bottom rails.



STEP #3 - Slide railing connectors on rail ends making sure rail is fully seated in connector. Install two (2) #8 x 2" screws (per connector) through railing connectors into rail ends.



STEP #4 - Cut two (2) "Spacer Blocks" to be placed between deck & bottom rail. Place bottom rail section between posts. Install four (4) #8 x 2" screws (per connector) through railing connectors into posts



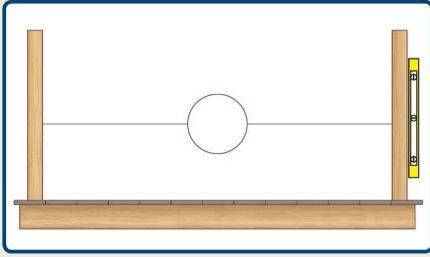
STEP #5 - Place top rail into position. Install four (4) #8 x 2" screws (per connector) through railing connectors into posts. NOTE: With spans greater than 6' (or required) install a foot block (use cut-off from rail).

Please Note: Do not exceed a 4" gap between balusters. Gap between deck and bottom rail should not exceed 4". It is the responsibility of the installer to meet or exceed all code and safety requirements, and to obtain all required building permits. These instructions are only a guide and may not address every circumstance. The deck and railing installer should determine and implement appropriate installation techniques for each situation. **Solutions shall not be held liable for improper or unsafe installations.**

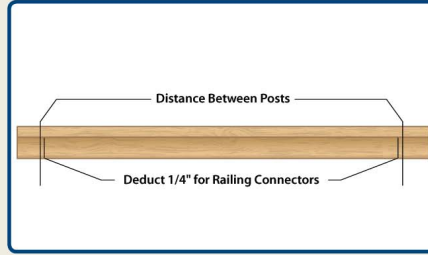
GLASS BALUSTERS

LEVEL AND STAIR INSTALLATION GUIDE

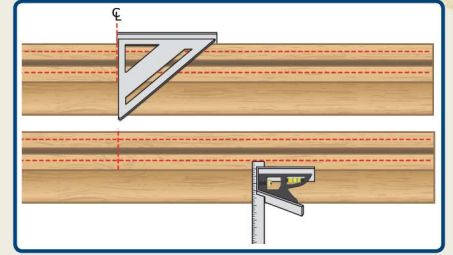
LEVEL



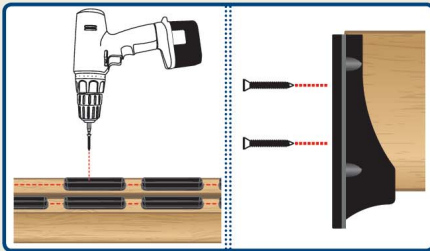
STEP #1 - Plumb posts/mounting surfaces. Measure inside distance of posts/mounting surfaces.



STEP #2 - Using step - 1 measurement, deduct 1/2" from total measurement for railing connectors (if not using railing connectors, cut to step - 1 measurement). Cut both top and bottom rails.

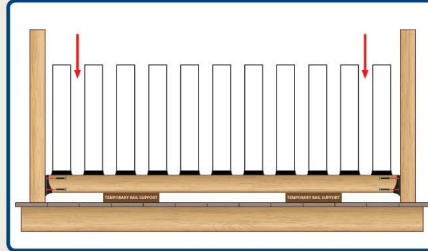


STEP #3 - Lay top and bottom rails beside each other and flush ends. Find the center of rails and mark **lightly**. From the center mark, measure out 8", from both sides and mark. End spacing will vary. Note: Baluster spacing will vary with rail length.

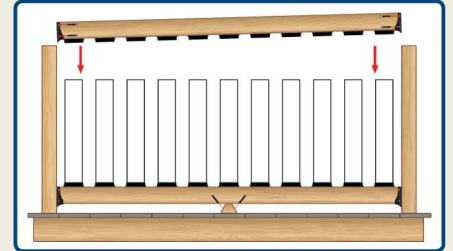


STEP #4 - With 8" center marks measure over 2-1/2" (this will be the edge of glass baluster connector shoe). Center baluster shoe on rail and insert screws through connector shoe. Make sure screw head is inserted below Glass Baluster.

Install two (2) #8 x 2" screws (per connector) through railing connectors into rail ends.

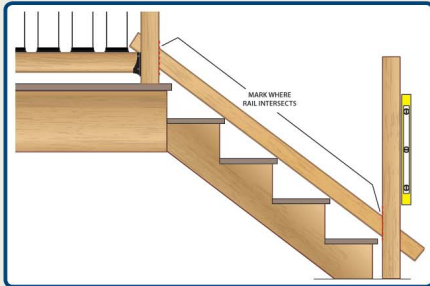


STEP #5 - Cut two (2) temporary spacer blocks the required distance between deck and bottom of rail. Rest bottom rail on spacer blocks and center on mounting surface. Install four (4) #8 x 2" screws (per connector) through railing connectors into posts. Apply a small amount of silicone caulk to inside of glass baluster connector shoe to insure a tight, movement-free installation. Insert glass balusters into glass baluster connector shoes.

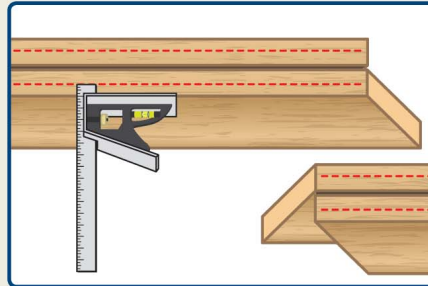


STEP #6 - Start top rail at an angle and insert balusters into glass baluster connector shoes. Install four (4) #8 x 2" screws (per connector) through railing connectors into posts. NOTE: With spans greater than 6' (or required), install a foot block (use cut-off from rail).

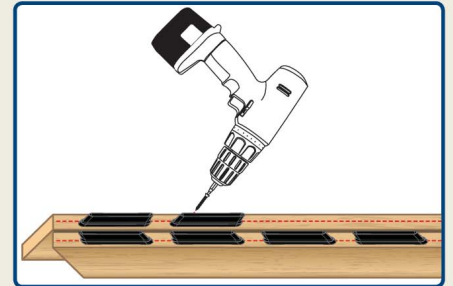
STAIR



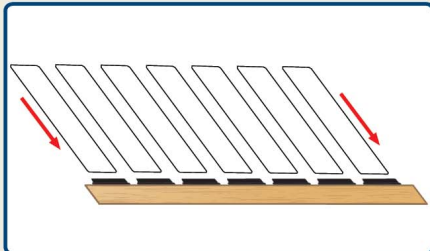
STEP #1 - Lay bottom rail alongside posts and mark for angle. If posts are plumb top rail should be the same length and angle. Cut top and bottom stair rails at proper angle.



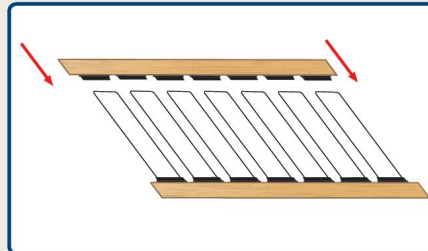
STEP #2 - Put the two rails together with the top rail turned upside down. Position rails as shown. **Lightly** mark a center line on rail. Determine number of Glass Balusters and space out evenly. Layout glass baluster connector shoes. Maintain a maximum of 2-3/8" gap between stair glass baluster shoes.



STEP #3 - Place glass baluster connector shoes on center line. **Top and bottom baluster shoes connectors will be facing opposite directions.** Insert screws through connector shoes (start screw vertically and tilt screw to proper angle). Do not overtighten. Make sure screw head is inserted below Glass Baluster.



STEP #4 - Apply a small amount of silicone caulk to inside of glass baluster connector shoe to insure a tight, movement-free installation. Insert balusters in bottom rail connector shoes.



STEP #5 - Start Top Rail at an angle and insert balusters into top rail connector shoes. Make sure glass balusters are fully inserted into connector shoes.



STEP #6 - Install stair rail assembly.

Please Note: Do not exceed a 4" gap between balusters. Gap between deck and bottom rail should not exceed 4". It is the responsibility of the installer to meet or exceed all code and safety requirements, and to obtain all required building permits. These instructions are only a guide and may not address every circumstance. The deck and railing installer should determine and implement appropriate installation techniques for each situation. **Solutions shall not be held liable for improper or unsafe installations.**