

Newel Post Installation Instructions

Important: Be sure to mark the center point of each newel post location prior to installation to ensure proper spacing. All joints, ceiling/wall interfaces must use non-solvent construction adhesive (read directions before using) to ensure a lasting installation.

A. Detail of securing newel post to concrete:

1. Center threaded rod on center mark of post location and mark anchor location.
2. Drill 3/8" hole to minimum depth of 1 1/4". Clear holes and insert anchor into hole, tapping the anchor in until flush with surface of concrete. Using a set pin (metal or similar tool) strike set pin until anchors are set.
3. Thread rod into anchor and tighten.

B. Detail of securing newel post to wood:

1. Install blocking if required (minimum requirement: 2" x 6" CCA treated Southern Pine) beneath the center of each newel post, fastening with screws or nails to deck joists.
2. Center floor flange on top of center mark of post location and secure to decking and blocking with 3" lag screws.

C. Detail of "C" channel post fastener:

1. Take 1/2" threaded rod and screw tightly into welded nut on floor flange.
2. Place newel post over threaded rod. Insert "C" channel into mortised slot in the top of newel post with open side of the "C" channel to the top, flush with the surface of post. Thread nut loosely to the "C" channel, as removal will be required when installing angle brackets.
3. Trim excess rod flush with top or use as dowel for newel ball.

D. & E. Details of bracket and rail attachment, bracket installation:

1. Measure the combined heights of the bottom rail and baluster, this is the distance between angle brackets used to install the top and bottom railings.
2. Mark on center of newel posts starting with the bottom measurements, taking into consideration any allowance that may be required for proper placement of the bottom rail (mouldings around posts, height from floor... etc.)
3. Remove post for mortise operation if desired. Check sizes of brackets and mortise newel post to proper depth for each bracket and nuts.
4. Center and level each bracket in newel post and drill holes for bolts. Each bolt should include lock washer, flat washer and nut. Attach brackets with 1/4" bolts.
5. Return post to its location and secure loosely with "C" channel and nut.

