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# CR1 Wood Chair Rail

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## Pre-assembled Installation

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**Material must be stored, installed and used  
in environmentally controlled conditions**

**CR1 – Pre-assembled.** Installers should be familiar with the installation of fine finished wood products. Recommended tools: tape measure, level, chalk line, power drill, power nailer, drill bits, socket or hex drive set, and a phillips head screwdriver. **NOTE:** Chair rails ship in pre-cut lengths with ends pre-assembled. If outside and inside corners are required, an extra 4" of rail is included for the installer to miter cut, glue, and pin nail these corners. All boxes and components are marked to coincide with the floor plan drawings. Layout and identify the components needed for each section to be installed.

- [1] Snap a level chalk line at the required height for the chair rail.
- [2] Inside and Outside Corner Conditions: When corners are part of the installation the installer must miter cut, glue, and pin nail these conditions.
  - a. Determine the cut length of the rail by measuring the distance from where the rail starts on the wall to the corner of the wall. For outside corners add  $\frac{5}{8}$ " (16mm). Miter cut the rail in the proper direction.
  - b. Glue inside corners and pin nail them before mounting the rail to the wall. Glue outside corners after one section is on the wall and pin nail after both sections are on the wall.
  - c. To join the two miter cut pieces of rail, butt them together, apply glue to the mating surfaces, and pin nail the two pieces together with three  $1\frac{1}{4}$ " finish nails. Wipe off any excess glue with a damp cloth.
- [3] Drill  $\frac{1}{8}$ " (3mm) holes in the chair rail in a zig-zag pattern, 4" (102mm) from each end and spaced evenly over the entire length (6 anchors per 12' (3.66m) length).
- [4] Hold the chair rail to the wall and transfer the holes to the wall. Drill  $\frac{1}{4}$ " (6.5mm) holes in the wall. If drilling into a masonry wall, drill deep enough for a  $2\frac{1}{4}$ " (57mm) fastener.
- [5] Position the ALLIGATOR anchors into the holes on the wall. Mount the chair rail with #8 x  $2\frac{1}{4}$ " trim head screws, tightening them into the anchors to secure the chair rail. Drive the screw so the head is below the surface of the wood. Fill this void with putty from the touch-up kit.
- [6] Join longer sections of rail on the wall with a butt joint. Install fasteners, 4" (101mm) on either side of the joint.
- [7] Fill any holes in the wood with the putty from the touch up kit. Clean up any wood glue with a damp cloth. Remove any surplus materials, and debris upon completion of the installation.

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## Pre-assembled Drawing

