

Installation Instructions

3000W/3055W/G3000W Handrail

Please read all instructions before installing handrail.

NOTE: Wood is a natural material therefore component color may vary. Sort the parts by color (light to dark) before use. Parts may appear different when viewed from the left or the right (metamerism). Keep this in mind when sorting parts. Install product in environmentally controlled conditions. Acclimate the handrail to room temperature 24 hours before installation. When storing straight lengths of materials, lay product flat on a supported surface. Do not lean the rails or lay them on unsupported parallel saw horses.

FIG. 1

1. Cut aluminum retainer to desired length, leaving allowance for returns, outside corners and inside corners. See Figure 1.

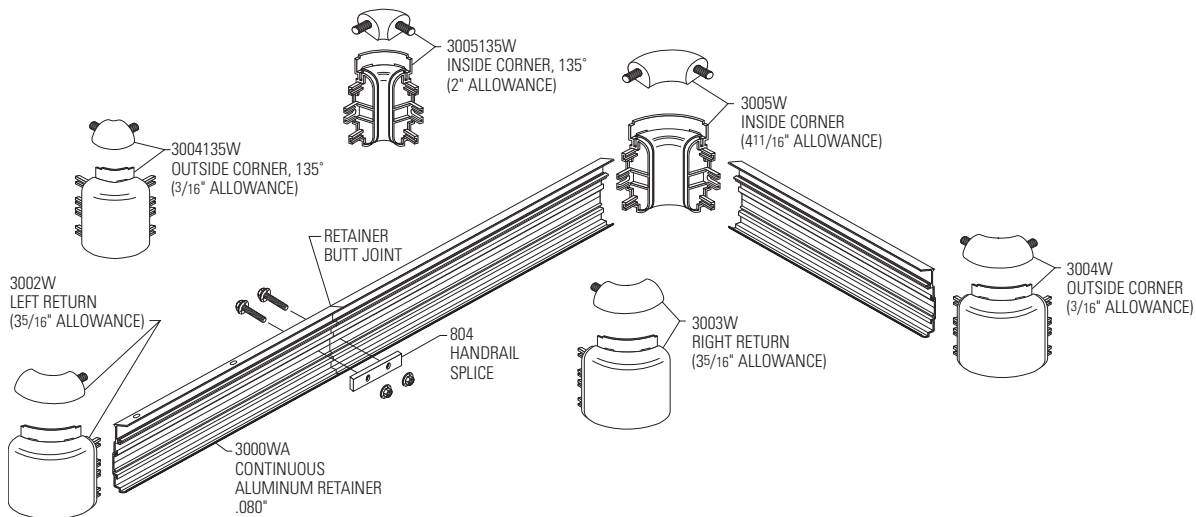
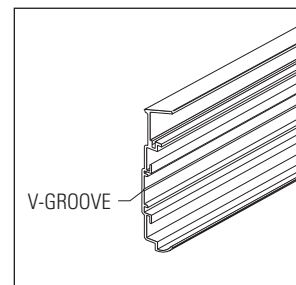
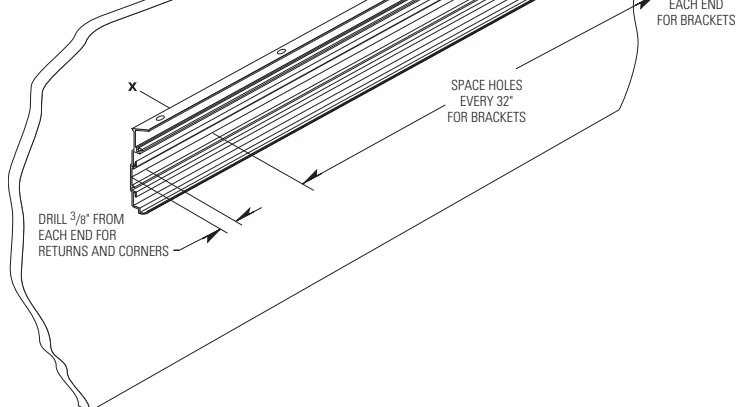


FIG. 2

2. Drill holes in the "V-groove" of the aluminum retainer for brackets, returns and corners using a 1/4" drill bit. Position retainer against wall at desired height allowing for returns and corners. When assembled, the top of the handrail is 41 1/16" above the "V-groove." Level and mark bracket holes on wall. Drill marked holes with 3/4" drill bit for toggle bolts (drywall installation) or 1/2" drill bit for lead anchor (concrete wall application). See Figure 2.



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Installation Questions?

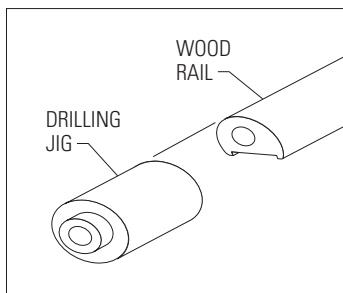
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FIG. 3a



3. a. Cut wood rail $\frac{3}{8}$ " longer than the aluminum retainer. Using supplied drilling jig as a guide, lay wood rail on top of jig until it mates with wood rail section of the jig. Clamp rail to jig and drill $\frac{25}{64}$ " dowel holes in the end of the rail. Ease the edges of the wood rail with sandpaper. Touch-up sanded area with stain and finish. See Figure 3a.

FIG. 3b

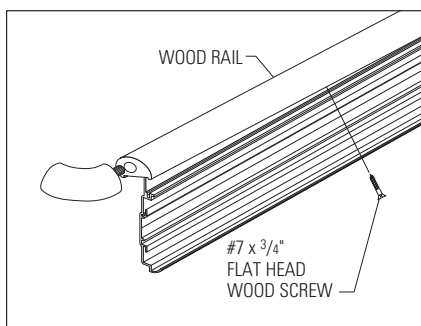
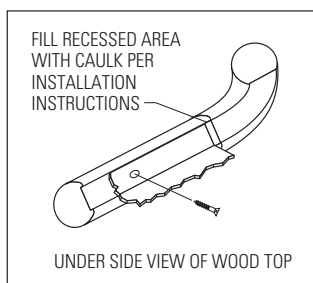
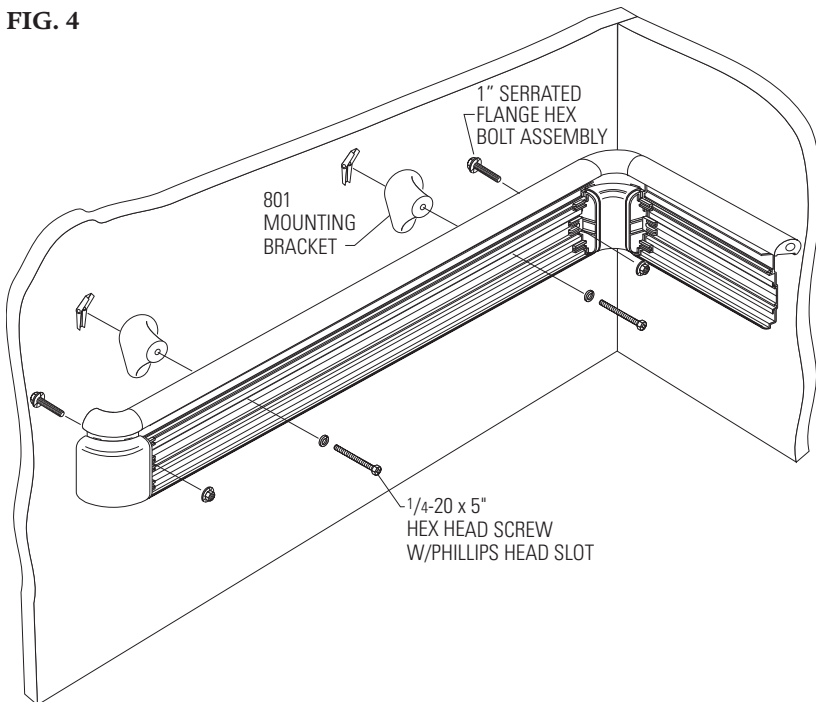


FIG. 3c



b. Place wood rail on aluminum retainer with $\frac{3}{16}$ " of the wood extending past the retainer on each side. Pre-drill hole location with a $\frac{1}{8}$ " drill bit, $\frac{3}{4}$ " deep. Attach rail to retainer but do not tighten the screws that are next to the returns/corners. Attach wood returns/corners to the rail with $\frac{3}{8}$ " dowels and carpenters glue. Clamp, pin nail or tape wood returns/corners until glue sets. Minor Adjustment Tip: If needed, filing a slight taper at the end of the dowel on one side will provide more play between the mating pieces. See Figure 3b.

FIG. 4



c. Fill area underneath the wood return/corner with caulk. See Figure 3c.

4. For the lower portion of the handrail, slide tabs of returns/corners onto retainer and fasten. Secure wood rail to aluminum by tightening screws next to returns/corners. Loosely attach brackets to retainer. Mount on wall, level retainer and tighten screws to secure. See Figure 4.

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FIG. 5a

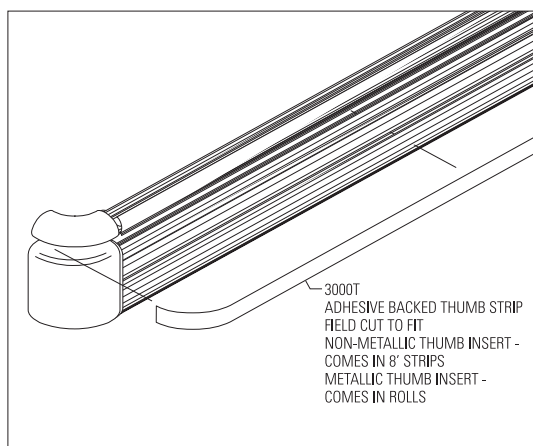
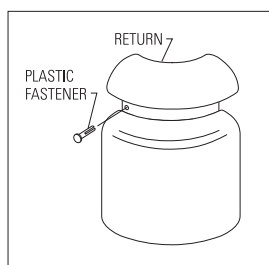


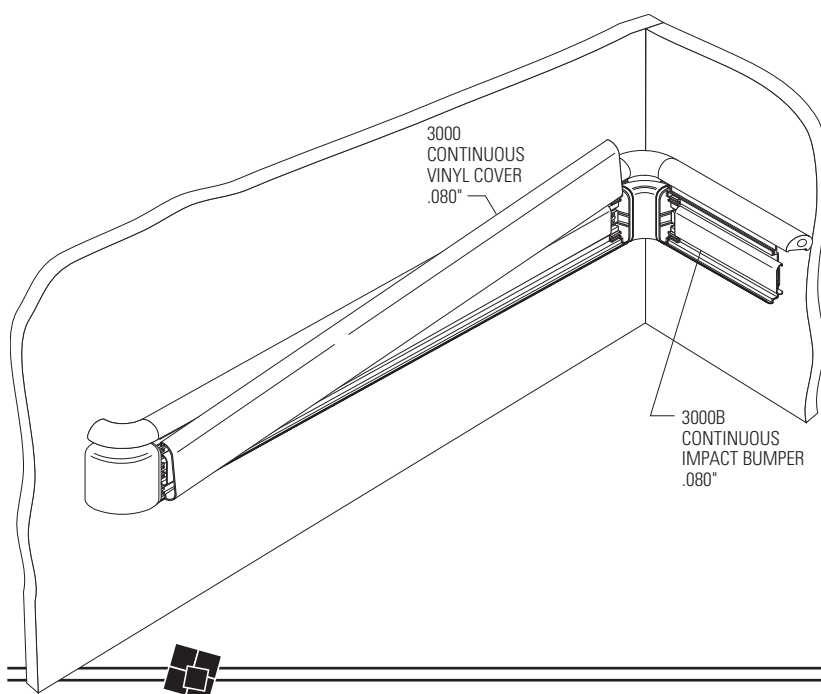
FIG. 5b



5. Clean area for thumb insert with rubbing alcohol. To install, remove release paper and press into place. Remove protective film from metallic inserts prior to use. Never clean metallic insert with lacquer thinner. See Figure 5a.

NOTE: For returns only - drill a 1/8" hole as close to the wall as possible going through the thumb insert and the return. Insert the plastic push-in fastener into the hole. (With corners, the insert must continue a minimum of 12" past the corner). See Figure 5b.

FIG. 6



6. Cut the inner bumper to the length between the tabs on the returns/corners. Position and snap inner bumper in place. Cut the cover for lower portion of handrail to the length between returns and/or corners. (Note: Trim all factory edges square before installation.) Position cover on retainer and snap cover on retainer by starting at the top and pivoting over the bottom of the retainer. See Figure 6.

NOTE: For 3055W Only - When continuous runs are over 12', covers should be installed in consecutive order using the numbers found on the back of the covers. This ensures proper alignment of the accent strip.

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