

Installation Instructions

3500WV/G2-3500WV Handrail

Please read all instructions before installing handrail. 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.

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. 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

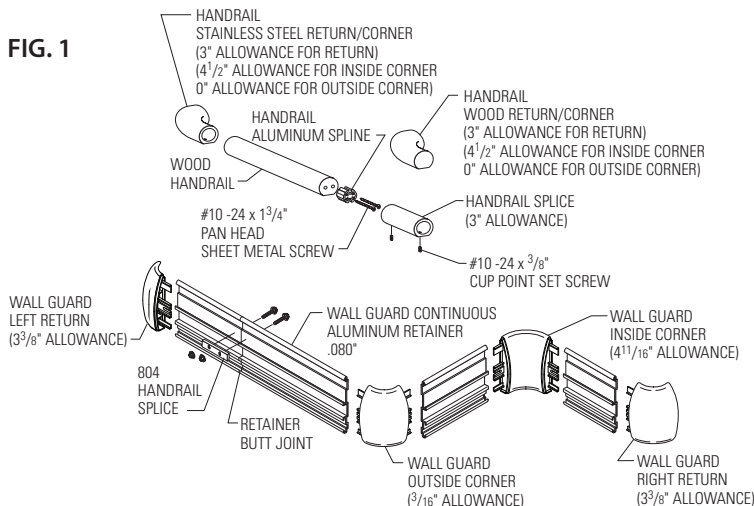


FIG. 2

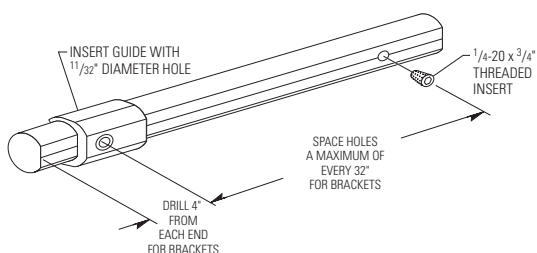


FIG. 3a

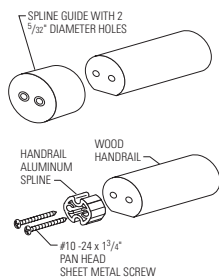


FIG. 3b

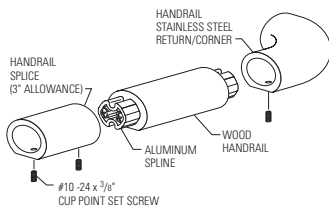
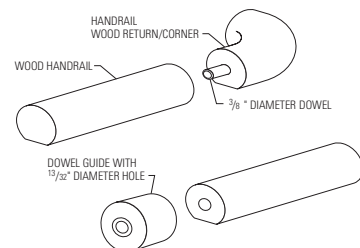
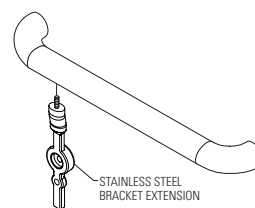


FIG. 4



1. Cut the wood handrail and aluminum retainer to the desired lengths leaving allowances for returns, outside corners and inside corners. See Figure 1.
 2. Drill 7/8" deep holes for threaded inserts using a 1 1/32" drill bit and insert guide for hole placement: Screw threaded inserts into the handrail with 6 mm power bit or hex key. See Figure 2.
 3. For Stainless Steel Returns: Corners and Splices:
 - a Drill 1-1/4" deep holes for splines using a 5/32" drill bit and a spline guide for hole placement: Attach splines to handrail: See Figure 3a
 - b Attach returns: corners and splices to handrail by sliding component over the spline and tighten with set screw: See Figure 3b
 4. For Wood Returns and Corners: Drill holes for wood dowels using a 13/32" drill bit and a dowel guide for hole placement in each section of handrail: Glue and clamp the handrail and return/corner assembly until the glue is set: Align the surfaces of the rail and returns/corners: 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 4.
- Note: Joining wood rail to wood rail without using a stainless steel splice follow instructions in step 4.
5. Screw bracket extensions into the threaded inserts on the handrail and align bracket extensions. See Figure 5.

FIG. 5



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FIG. 6

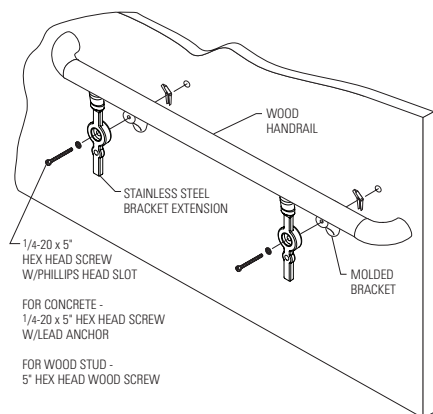


FIG. 7

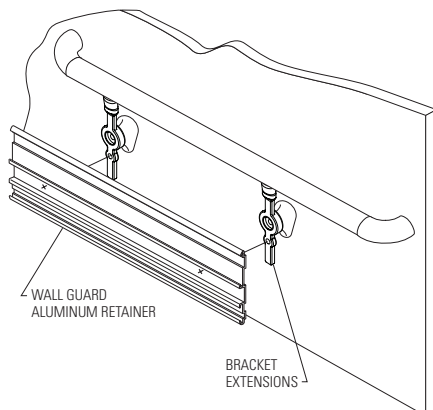


FIG. 8

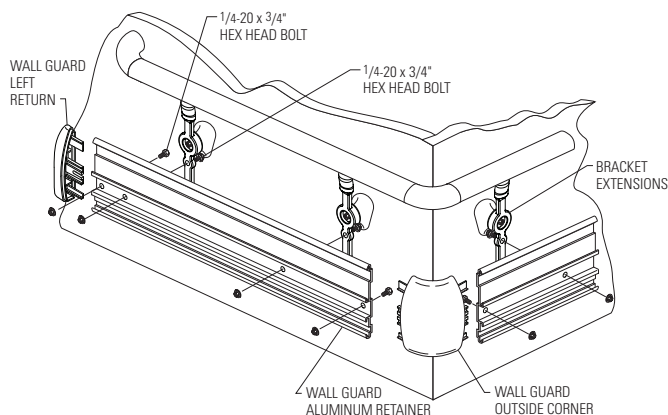
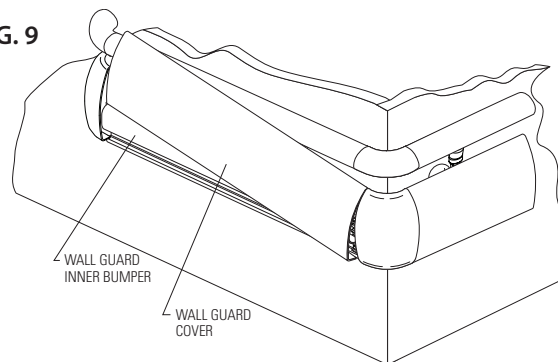


FIG. 9



6. Snap a chalk line on the wall 4-7/16" below the top of the handrail. Drill 3/4" holes for toggle bolts (drywall/metal stud installation), 1/2" holes for lead anchor (concrete wall installation) or 1/8" pilot hole (wood screw into wood studs). Attach the molded bracket and stainless steel bracket extension to the wall. See Figure 6.

7. Measure and transfer the wall guard mounting hole locations from the top of the bracket extensions to the wall guard aluminum retainer making sure you allow for the returns and corners. Drill 5/16" holes at these marks on the v-groove. Also drill 3/8" holes from the end of the wall guard aluminum retainer for returns and corners. See Figure 7.

8. Attach the wall guard aluminum retainer to the bracket extensions. Attach wall guard returns and corners to the wall guard aluminum retainer. See Figure 8.

9. Cut the wall guard inner bumper to the length between the wall guard returns and corners. Position and snap the inner bumper in place. Cut the wall guard covers to the lengths between returns and/or corners. (Note: Trim factory edges square before installation). Position cover on retainer at one end and work to the other end by snapping the cover over the retainer. See Figure 9.