

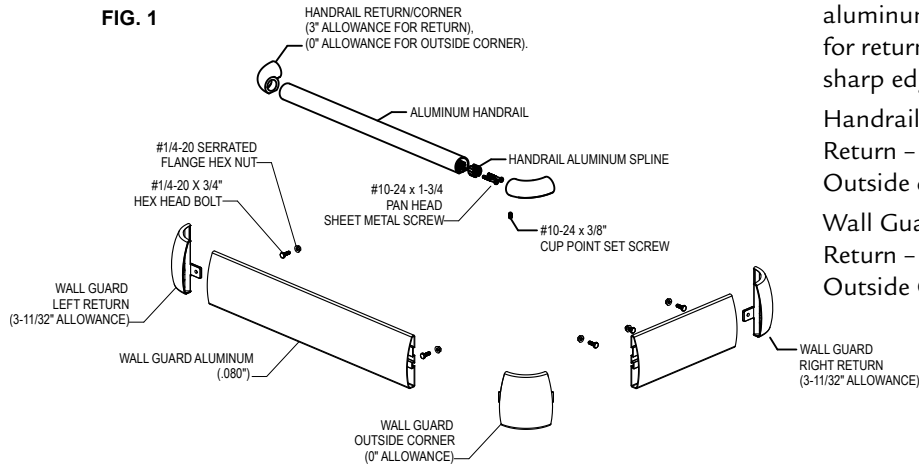
Installation Instructions

3500MM Handrail

Please read all instructions before installing handrail.

Note: Install product in environmentally controlled conditions. Acclimate the product to room temperature 24 hours before installation.

FIG. 1



1. Cut the aluminum handrail top and wall guard aluminum to the desired lengths leaving allowances for returns, outside corners and inside corners. Break sharp edges with fine Emory cloth. See Figure 1.

Handrail Allowances:

Return – 3"

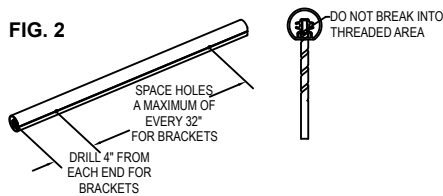
Outside corner – 0"

Wall Guard Allowances:

Return – 3-11/32"

Outside Corners – 0"

FIG. 2



2. Bracket Spacing: Use brackets 4" from each end and spaced a maximum of 32". Drill 1/4" holes on the bottom of the handrail aluminum for brackets. Be careful to drill only through the outer wall of the handrail aluminum. See Figure 2.

FIG. 3a

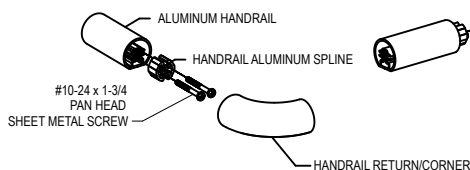
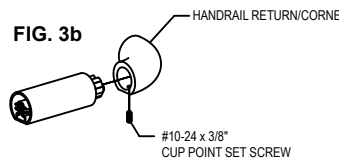


FIG. 3b



3. To attach returns and corners:

a. Attach splines to handrail using two #10 x 1-3/4" sheet metal screws per spline. See Figure 3a.

b. Attach returns and corners to handrail by sliding component over the spline and secure with set screws. See Figure 3b.

FIG. 4a

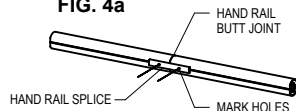
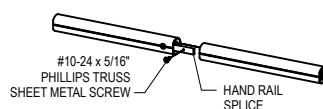


FIG. 4b



4. For lengths longer than 12', use a splice to join sections. Butt the two sections together, using a splice as a template, mark the hole locations. Drill 1/4" holes on the bottom of the handrail aluminum for the splice. See Figure 4a.

Connect the two pieces using the splice and two #10-24 x 5/16" Phillips truss head screws. (Note: splice must be positioned inside handrail). See Figure 4b.



IPC.643/REV.1

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Installation Instructions

3500MM Handrail

FIG. 5a

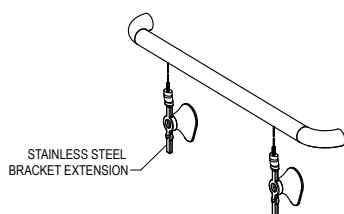
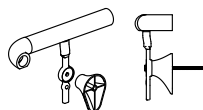


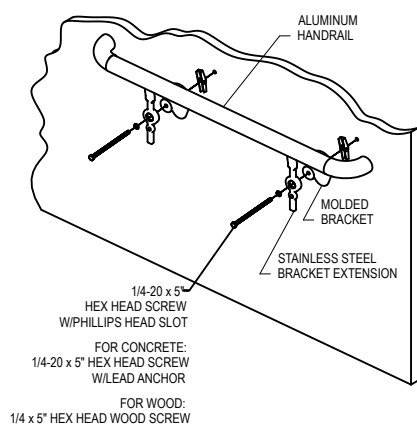
FIG. 5b



5. Screw bracket extensions into the handrail holes on the bottom of the rail. Tighten and turn bracket extensions until aligned. See Figure 5a.

Orientation of bracket extension is critical. See Figure 5b.

FIG. 6



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/handrail assembly to the wall. See Figure 6.

7. Slide the hex head of the 1/4-20 x 3/4" bolts into the channel on the back of the wall guard. Slide them into position so they align with the holes in the bracket extensions. See Figure 7a.

With lengths longer than 12', use a metal plate splice and 1/4-20 x 3/4" bolts to join sections. See Figure 7b.

Attach the wall guard to the bracket extension using a serrated flange hex nut at each location. See Figure 7c.

8. Attach wall guard returns and corners to the straight lengths using 1/4-20 x 3/4" hex head screws and nuts. See Figure 8.

FIG. 7a

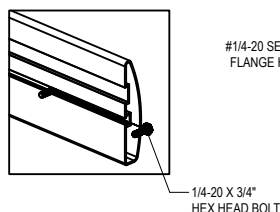


FIG. 7b

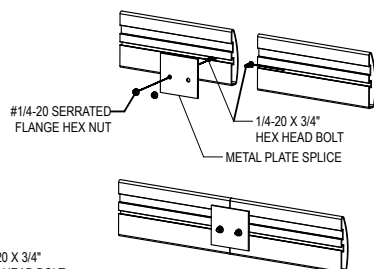


FIG. 7c

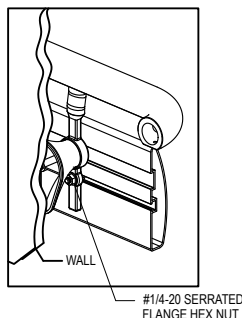
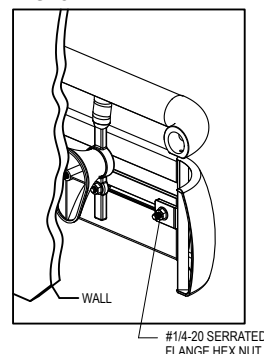


FIG. 8



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