

Installation Instructions

3500SRWB Round and 3500SOWB OVAL Pre-Configured Stainless Steel 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.

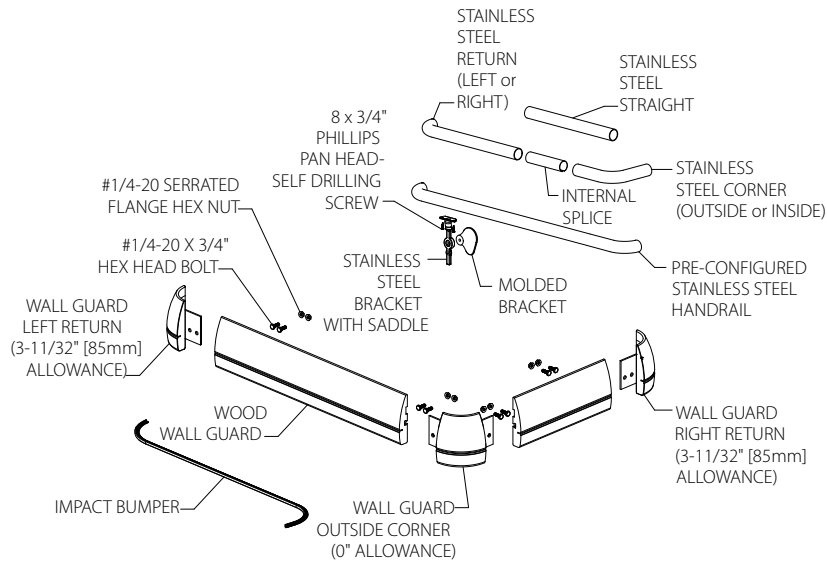


FIG. 1

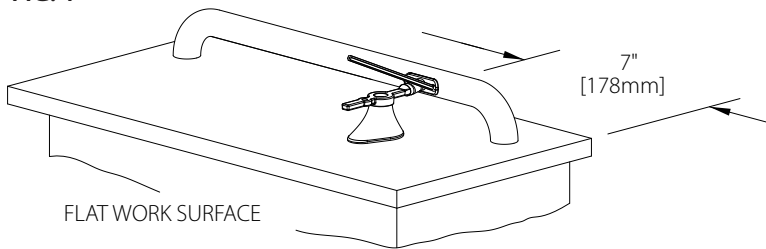
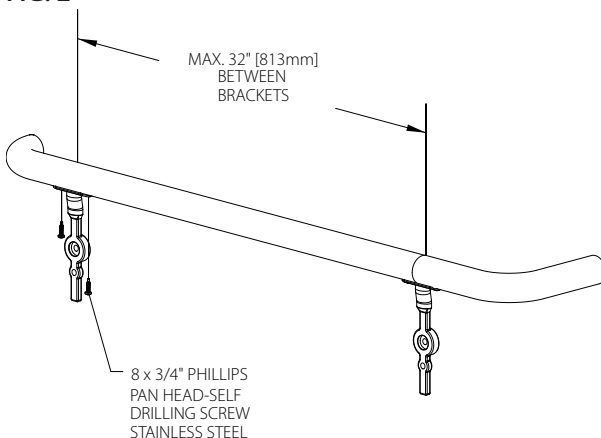


FIG. 2



1. Locate brackets 7" (178mm) from the end of the return and spaced a maximum of 32" (813mm). Using a bracket extension as a template, mark and drill holes on the bottom of the stainless steel handrail for the bracket saddle. See **Fig. 1**. Drill holes with a High-Speed Steel Jobbers' Drill Bit for Stainless Steel. McMaster-Carr #3020A14, 9/64" [3.5mm] drill bit. (Inpro supplied).
2. Attach the brackets to the rail using two #8-x 3/4" Phillips Pan-head self-drilling screws per bracket. See **Fig. 2**
3. When joining longer sections of handrail or connecting straight lengths to corners use a splice. See **Fig. 3a**.
 - a. Use two part epoxy to secure the splice. Apply epoxy to the inside area of the handrail. Immediately compress the splice and slide it halfway into the handrail.
 - b. Apply epoxy into the inside area of the adjoining handrail section. Immediately slide the adjoining piece over the splice, push it to abut the handrail section. Make sure returns and corners are aligned properly.
 - c. Straddle bracket saddle equally on either side of splice. See **Fig. 3b**.

FIG. 3a

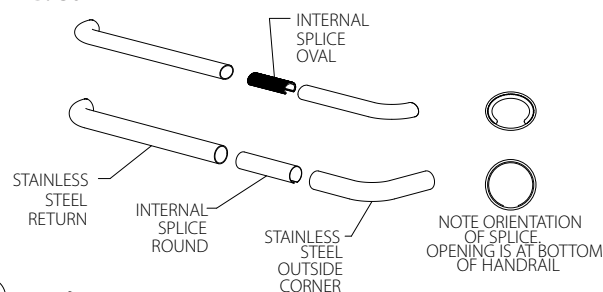
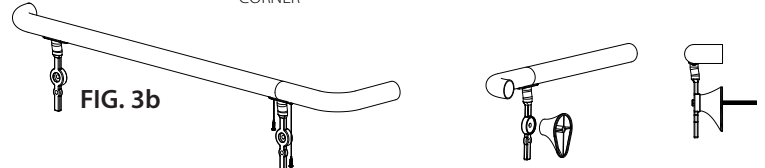


FIG. 3b



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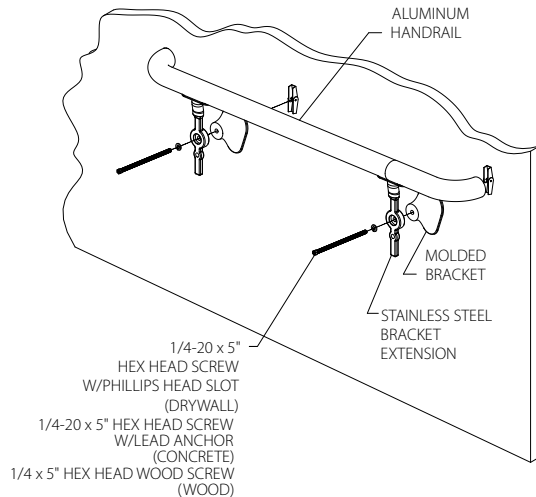
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FIG. 4



4. Snap a chalk line on the wall 4-5/8" [119mm] for round and 4-3/8" [110mm] 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), 1/8" pilot hole (wood screw into wood studs). Attach the molded bracket and stainless steel bracket extension/handrail assembly to the wall.

See **Fig. 4**.

5. Slide the hex head of the 1/4-20 x 3/4" bolts into the channel on the back of the wood wall guard. Slide them into position so they align with the holes in the bracket extensions. See **Fig. 5a**. With lengths longer than 12', use a metal plate splice and 1/4-20 x 3/4" bolts to join sections. See **Fig. 5b**. Attach the wood wall guard to the bracket extension using a serrated flange hex nut at each location. See **Fig. 5c**.

FIG. 5a

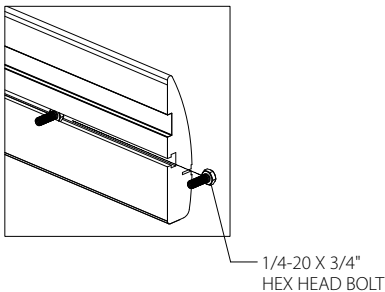
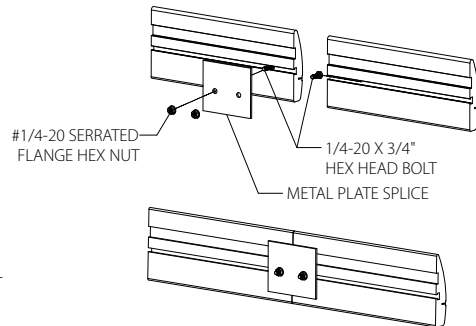


FIG. 5b



6. Attach wall guard returns and corners to the straight lengths using 1/4-20 x 3/4" hex head screws and nuts. See **Fig. 6**.
7. Cut impact bumper to the required length. Squeeze a small amount of glue into the bumper slot on the front of the wood wall guard. Work a four foot area of handrail at a time since the glue will set up quickly. Do not allow glue to touch exposed wood surface. Push the bumper into the slot. A rubber hammer may help press the bumper into the slot. See **Fig. 7**.

FIG. 5c

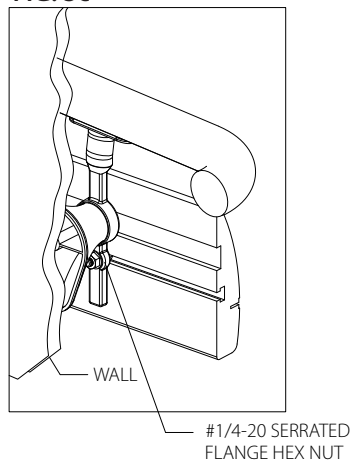


FIG. 6

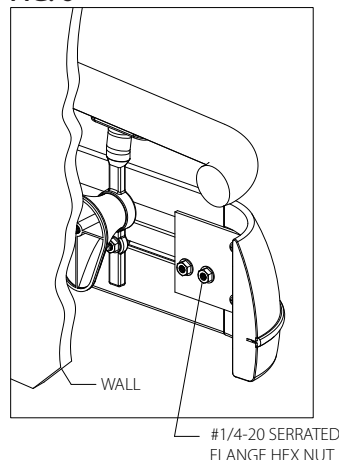
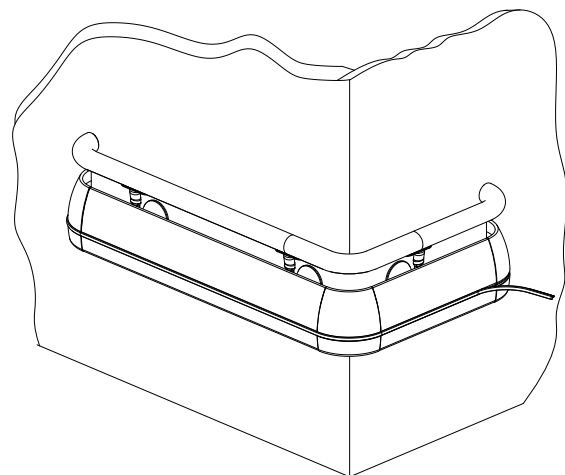


FIG. 7



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