

Installation Instructions

3500SRV/3500SRFV/G2-3500SRV Round and 3500SOV/ 3500SOFV/G2-3500SOV 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.

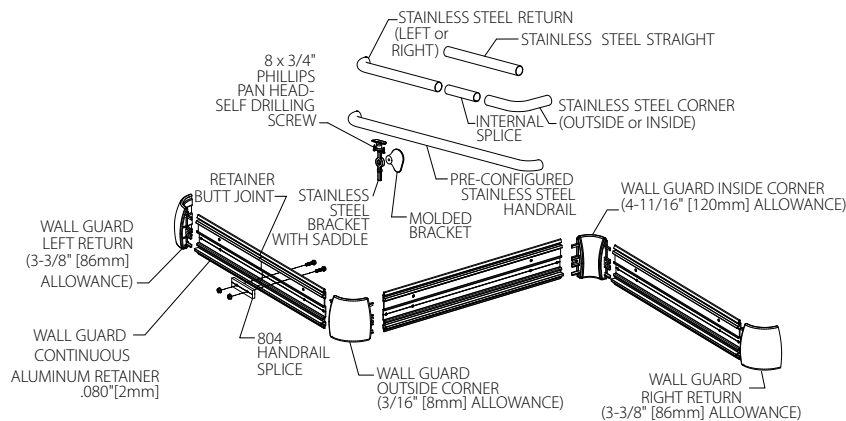
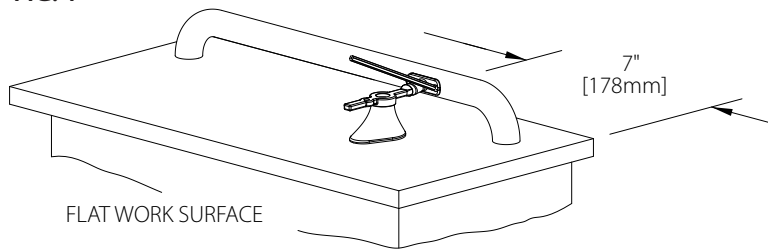


FIG. 1



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**.

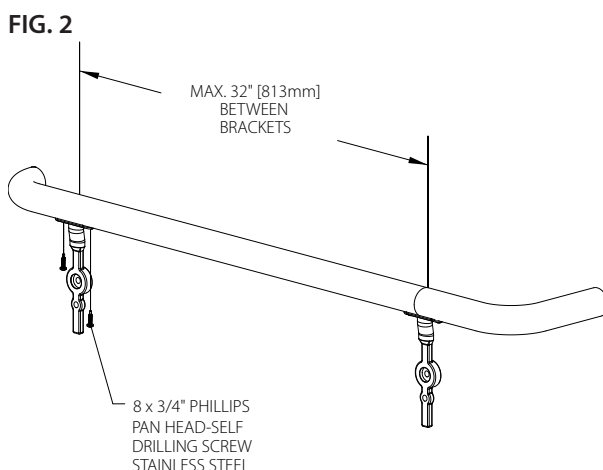
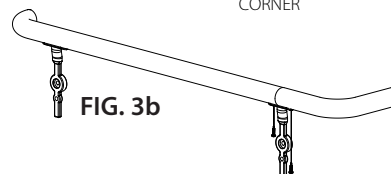
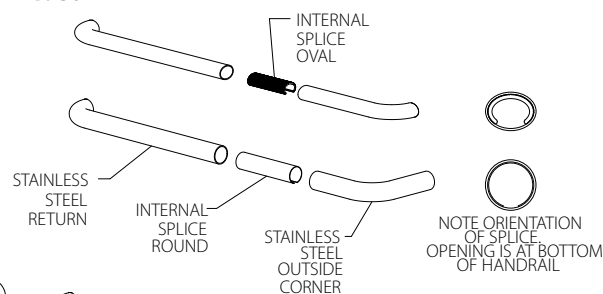


FIG. 3a



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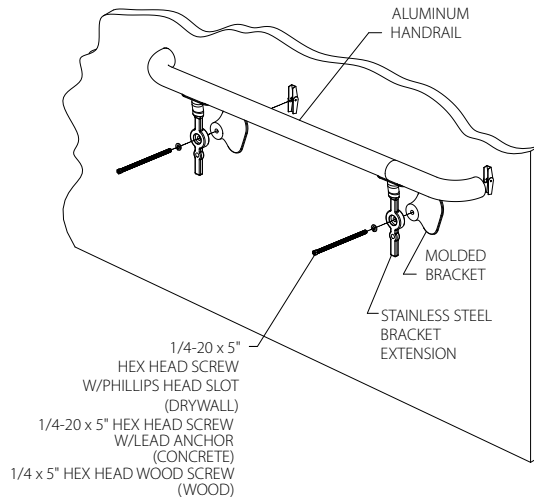
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FIG. 4



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 assemblies to the wall.

See **Fig. 4.**

5. Transfer the wall guard mounting hole from the bracket extensions to the aluminum retainer. See **Fig. 5.** The wall guard aluminum is 3/8" shorter than the handrail. Center the wall guard aluminum between the ends of the handrail. With lengths longer than 12', use a splice and bolts to join sections. Drill 5/16" holes at these marks on the v-groove of the retainer. In addition, drill holes 3/8" from the ends of the aluminum retainer to attach returns and corners.

6. Attach the aluminum retainer to the bracket extensions. Attach wall guard returns and corners to the aluminum retainer. See **Fig. 6.**

7. 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 starting at one end and work to the other end by snapping the cover over the retainer. See **Fig. 7.**

FIG. 5

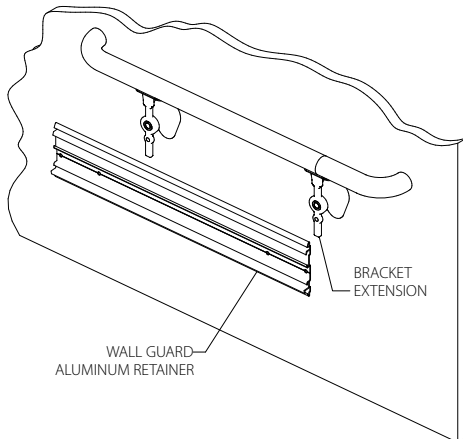


FIG. 6

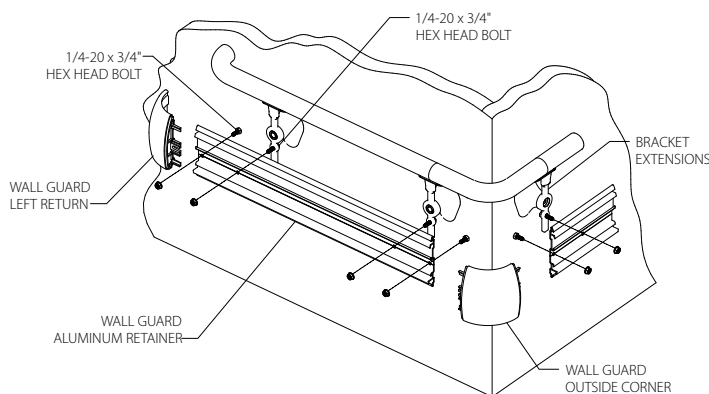
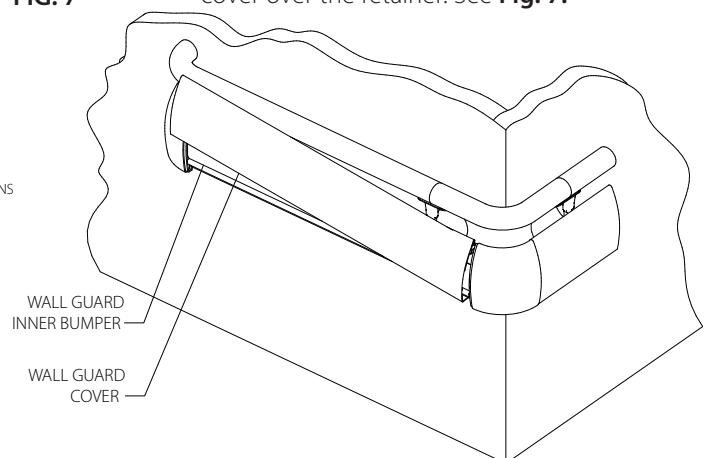


FIG. 7



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