

TSM

TUBULAR SPECIALTIES MFG., INC.

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WS-100

BUMPER RAILING



DESIGN CONSIDERATIONS

- The WS-100 Bumper Railing system is designed to protect walls while taking up little valuable hall space, as the standoff measures only 1-1/8" (29mm).
- The WS-100 is custom made to fit the particular wall dimensions of individual buildings. Each railing section is labeled, making installation fast and simple.
- In multi-story buildings, care should be taken to ensure that the longer pieces of railing will either fit in elevators, or can be maneuvered up stairways, over any outside balconies, and through outside windows.
- TSM also has bending equipment to accommodate curved walls with radii 12" (305mm) or larger. Contact the factory with any questions regarding the scope of design alternatives.
- In-wall backing is recommended and available from TSM; consult local codes to assure compliance.



SUGGESTED ARCHITECTURAL SPECIFICATION

TSM model WS-100 Bumper Railing from Tubular Specialties Manufacturing, Inc., Los Angeles, California, (213) 515-4801. Tubing: stainless steel Type 304 (18-8), 1" (25mm) x 18 gauge (1.2mm), custom cut to fit wall. Construction: sections up to 20' (6096mm) are a single unit; sections longer than 20' are shipped with an internal dowel for joining the pieces together at the jobsite. The tubing butts together to conceal the dowel with only a hairline seam visible. Finish: satin. Flanges: stainless steel Type 304 (18-8), 2" (51mm) x 3" (76mm) x 14 gauge (1.9mm) with two 1/4" (6mm) screw holes; welded directly to tubing to provide a wall standoff of no more than 1-1/8" (29mm), evenly spaced at a maximum of 72" (1829mm). Installation Hardware: 2" (51mm) x #10 (5mm) stainless steel screws for wall flanges and adhesive for field connections.



MATERIALS/WORKMANSHIP

Tubing—Stainless steel Type 304 (18-8) with satin finish, 1" (25mm) O.D. x 18 gauge (1.2mm). Custom cut to size.

Flanges—Stainless steel Type 304 (18-8), 2" (51mm) x 3" (76mm) x 14 gauge (1.9mm) with two 1/4" (6mm) screw holes.

End Plugs—Heavy duty black Butyrate. Press fit into ends.



INSTALLATION

Railing is surface mounted using screws provided by manufacturer (see Installation, Reference Section C, for various applications). Recommended height of bumper rail is 12" (305mm) from finish floor. Adhesive is provided to join pieces over 20' (6096mm); apply bead of adhesive into female opening and insert male end, creating a hairline joint.

