

# Installation Instructions

## 800/800S

### Continuous Handrail Bracket

ITEM #	DESCRIPTION
CBRKRR	Right Return Bracket Piece
CBRKLR	Left Return Bracket Piece
CBRKOC	Outside Corner Bracket
CBRKIC	Inside Corner Bracket
CBRKLF	12' Piece of Bracket

#### Material must be stored, installed and used in environmentally controlled conditions

Continuous handrail brackets include the following components: 12' bracket lengths, 1' left return pieces, 1' right return pieces, Outside corners comprised of right half of outside corner, left half of outside corner, Inside corners comprised of right side of inside corner part, left side of inside corner part and inside corners piece.

- [1] Cut the aluminum retainer to the required length, allowing 3<sup>1</sup>/<sub>4</sub>" (83mm) for each return, 1/4" (6mm) for each outside corner, 4<sup>11</sup>/<sub>16</sub>" (119mm) for each inside corner. When installing 135° corners allow 1/4" (6mm) for each 135° outside corner, and 2<sup>1</sup>/<sub>16</sub>" for each 135° inside corner.
- [2] Drill holes 3/8" (10mm) from each end of the aluminum retainer for returns or corners. Attach returns and corners to the aluminum retainer using one 1/4" x 20 serrated flange hex bolt and one 1/4" x 20 serrated flange hex nut for each return. To allow for adjustments, leave at least a 1/16" (1.6mm) gap between the returns and corners and the end of the aluminum retainer when sliding the two components together.
- [3] Cut the continuous bracket pieces to the correct length to fit the back of the handrail.
  - a. Left and right outside corner pieces mate to form a complete outside corner.
  - b. Left and right corner parts mate and connect with dowels to the inside corner part to complete an inside corner condition.
  - c. When bracket pieces butt together apply a small amount of IPC Vinylseal to the mating surfaces.
  - d. Attach the bracket pieces to the aluminum with 1<sup>5</sup>/<sub>8</sub>" phillips head self tapping screws from the front of the retainer.
  - e. Run a bead of IPC Vinylseal chalk along the top edge of the bracket and aluminum. Also, fill in any gaps by the fasteners for the returns and corners with Vinylseal.
- [4] Drill 1/4" (6mm) holes on the centerline of the aluminum retainer and through the continuous mounting bracket, for the mounting fasteners. Holes should be 4" (102mm) from the ends and spaced every 32" (813mm). Hold the handrail and bracket assembly to the wall at the required height. Level and transfer the mounting holes to the wall. Drill all marked holes on the wall with a 3/4" drill bit for toggle bolts or 1/2" drill bit for lead anchors.
- [5] Insert one 5" hex head screw, one lock washer and one toggle wing or lead anchor. Mount the assembled retainer with bracket into the holes on the wall. Level the retainer and tighten the screws to secure the retainer to the wall.
- [6] Cut the vinyl cover to the distance between the returns and corners. NOTE: Trim all factory edges square, before installation. Position the vinyl cover on the aluminum retainer starting at the top and pivoting it over the bottom of the retainer until it snaps into place.

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