

Finishing Connections

On bottom of railing use (2) screws on either side of a connector or (2) screws on a return.

1. For each screw drill a counter sink the depth of the vinyl using a 9/32" bit.

2. Drill a thru hole using a 5/32" bit. Do not rely on self drilling capabilities of the connector screws.

3. Using the #10 x 1" connector screw provided, fully seat into the counter sink.

Determine the length to cut the handrail which is joined to the modified post return, by inserting the next piece of railing or elbow into the corner and laying it over the adjacent piece on the other side of the corner. This will establish a mark to cut the railing.

The post bracket must first be installed so that the piece inserted into the corner will lie on the bracket to establish a proper positioning.

Using a connector, join the corner with the railing cut in previous step and secure to the bracket as shown.

ADA Aluminum Handrail Components

Aluminum Universal Connector
90° - 180°

Inline Bracket

"Poly" Mounting Bracket Insert

Aluminum Mounting Bracket Insert

90° Aluminum Post Return

90° Vinyl Post Return
(only for 2" system)

End Cap

Straight Connector

"P" Loop Return

Inside Corner Mounting Bracket

Preformed Bends
90°

Preformed Bends
5°

90° Outside Corner

Straight Aluminum Wall Bracket

Special Aluminum Gate Return

Custom bends are available. Ask your dealer for details.

"P" LOOP INSTALLATION

STEP 1

STEP 2

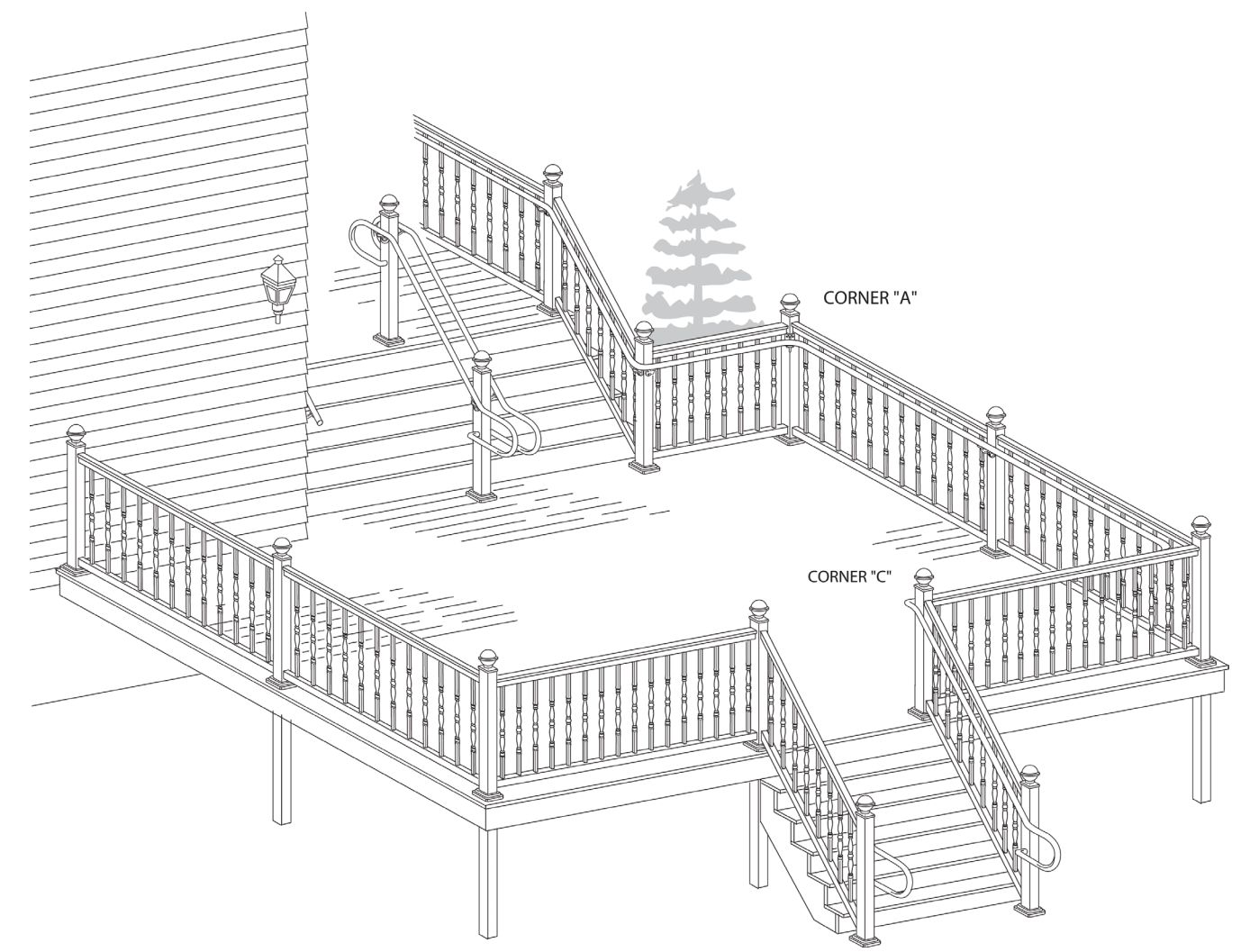
With corner now in place, determine the height of the in-line brackets on a step railing installation by holding a piece of railing in line with the elbow and parallel to the primary railing.

Typically, the ADA aluminum handrail will be below the level of the primary railing. Install in-line brackets with screws, putting brackets on every post. Continue until ground level post is reached. At this point railing will be terminated in one of a number of ways: either by end capping a straight rail, end capping an elbow, or by using the "P" loop return to meet certain municipal requirements (see options, above).



1½" ADA Aluminum Handrail Installation Instructions

The 1½" system complies with ADA Requirements. When properly installed this system exceeds current ICC test requirements.



Sketch a layout of the new ADA aluminum handrail in relationship to the existing railing noting the various pieces you will need and where you will need them. Check to see if you have all of the pieces that you will need.

Determine the height of the railing (35" to 38" to the top, for commercial applications) and check how that height works coming down or up steps.

Establish a place to begin. **NOTE: If there is an inside corner you must start there first.**

WARNING: This product can expose you to chemicals including Quartz (crystalline silica), which is known to the State of California to cause cancer, and Hexavalent Chromium, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

Where ever two ends of aluminum ADA handrail are joined, either to each other or to elbows, tighten the joint by drilling a 9/32" countersink and 5/32" thru hole and securing with screws. Make sure screw heads are smooth. (See next page, Finishing Connections)