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## **SECTION 05720 Aluminum Handrails and Railings: Sample Specifications**

### **3.02 INSTALLATION GENERAL**

- A.** Fit exposed connections accurately together to form tight, hairline joints, except as required for expansion.
- B.** Minimize field cutting and assembly to the greatest extent possible. Perform any cutting, drilling, and fitting required for installation of handrails and railings. Set handrails and railings accurately in location, alignment and elevation measured from established lines and levels and free from rack.
  - i.** Set posts plumb within a tolerance of 1/16" to 1/2".
  - ii.** Align rails so that variations from level for horizontal members and from parallel with rake of steps and ramps for sloping members do not exceed 1/32" in 12".
  - iii.** Corrosion Protection: Coat concealed surfaces of aluminum that will come into contact with grout, concrete, masonry, wood or dissimilar metals with a heavy bodied bituminous coating or epoxy.
    - a.** Powder-coating or painted finishes shall not be considered as adequate protection against contact with grout, concrete, masonry, wood or dissimilar metals.
    - b.** Drill weep-hole slightly above (1/16") concrete surface and post interface. Utilizing weep-hole created, fill inside of post (up to bottom of weep-hole) with Vulkem 45 or equal.
  - iv.** Fastening to In-Place Construction: Provide anchorage devices and fasteners where necessary for securing handrails and railings to in-place construction.