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SECTION 05720 Aluminum Handrails and Railings: Sample Specifications

3.03 ANCHORING POSTS

- A. Anchor post in concrete by means of preset sleeves into concrete. After posts have been inserted into sleeves, fill space between post and sleeve solid with the following anchoring material, mixed and placed to comply with anchoring material manufacturer's directions.
 - i. Non-shrink, nonmetallic grout or anchoring cement specifically formulated for railing installation.
- B. Anchor posts in concrete by core drilling holes not less than 3" deep and 1" greater than outside diameter of post. Clean holes of all loose material, insert posts and fill space between post and concrete with the following anchoring material, mixed and placed to comply with anchoring material manufacturer's directions.
 - i. Non-shrink, nonmetallic grout or anchoring cement specifically formulated for railing installation.
- C. Leave anchoring material down approximately ½" to allow for final topping with a water-proof material matching the surrounding areas by others. Whenever possible fill hole with waterproof topping slightly higher than the adjacent surfaces and taper away from the post.
 - i. 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.
 - a. Recommended procedures for the proper installation standard post mount systems.
- D. Anchoring by means of **POMA'S S.S. INSERT** in concrete by means of hammer drilling or core drilling a 1 ½"-2" diameter hole, not less than 3" deep (unless under special circumstances). Clean holes of any loose material, place aluminum handrail with s.s. anchor rod in hole and fill space with high strength epoxy, mixed and placed to comply with anchoring material manufacturer's directions.
 - i. **Note: Use of POMA'S S.S. INSERT is the recommended method of installation for all railing systems to be used on any high rise structure, and more importantly, all structures located near or within a corrosive environment.**