

SECTION 05520CP – HANDRAILS AND RAILINGS

PART 1 GENERAL

- 1.01 This Section includes pipe or tube railing systems of assorted materials used at interior and exterior locations.
- 1.02 Railing and guardrail assemblies, wall rails, and attachments shall comply with all current codes.
- 1.03 Reference standards and requirements include the American with Disabilities Act (ADA) regulations, the American Society for Testing of Materials (ASTM), the American Iron and Steel Institute (AISI), the American National Standards Institute (ANSI), the National Association of Architectural Metal Manufacturers (NAAMM) and the National Ornamental and Miscellaneous Metals Association (NOMMA).
- 1.04 On balconies in performance, athletic and other spectator facilities railings shall not interfere with sight lines from seating areas.
- 1.05 Where applicable design drawings shall indicate dimensions and clearances sufficient to demonstrate code and accessibility requirements.
- 1.06 Complete shop drawings are required for all fabrications. Cut sheets are required for all standard components of the system.

PART 2 PRODUCTS

- 2.01 Products shall be chosen carefully with respect to the particular location of the rail. Fire stair and exterior locations, may require the durability and cost effectiveness of steel rails, existing ornamental rails at existing stairs may require reinforcement or finish restoration. Significant public spaces may require glass or decorative bronze or brass material. Historic buildings may require selection of appropriate materials.
- 2.02 For steel railing systems .188” wall thickness (Type 40) is required.
- 2.03 For bronze railing systems .188” wall thickness (Type 40) is required.
- 2.04 For brass tubing systems .080” wall thickness is required.
- 2.05 Solid stock balusters or hollow balusters with a minimum .093” wall thickness may be used.

PART 3 EXECUTION

- 3.01 Grind exposed joints flush and smooth with adjacent finish surface. Make exposed joints butt tight, flush, and hairline. Ease exposed edges to small uniform radius.

END OF SECTION