

CSI Format for The Verona Railing System Specification

SECTION 05720 ORNAMENTAL RAILING SYSTEM

PART 1 GENERAL

1.1 SECTION INCLUDES

- A. This is a pre-engineered ornamental guardrail and handrail system with mechanical components and fasteners that when complete meet specific performance requirements.

1.2 RELATED SECTIONS

- A. Section 05510 - Metal Stairs.
- C. Section 05710 - Ornamental Metal Stairs.
- D. Section 08800 – Glass & Glazing.

1.3 REFERENCES

- A. ASTM E-985 - Standard Specification for Permanent Metal Railing Systems and Rails for Buildings.

1.4 DESIGN REQUIREMENTS

- A. Guardrail & Handrail system shall be designed to conform to building code and ADA requirements for allowable opening size.
- B. Guardrail & Handrail system shall meet the requirements of ASTM E-985

1.5 SUBMITTALS

- A. Product Data: Provide a detail list of Material data sheets that detail the components, fasteners, finishes, and methods of fabrication. Also provide samples of material finishes.
- B. Physical Test Reports: Provide physical test reports and test methods that detail compliance with ASTM E-985 for testing procedures and results from an independent testing agency.
- C. Shop Drawings: Submit shop drawings that show layout including plan views, elevations, sections and details.
- D. Samples: Submit a full size mock-up of Anchora System for approval.
- F. Quality Assurance: Manufacturer to ensure the quality of the railing system in physical appearance to match the Verona Railing System.

1.6 DELIVERY, STORAGE, & HANDLING

- A. Delivery: materials will be delivered to the specified location and signed off for quality delivery by the appropriate party accepting liability.
- B. Storage: Materials should be stored in an approved area by the manufacturer. This area should be free from construction and dry.

PART 2 PRODUCTS

2.1 MANUFACTURER

- A. Company: Bunting5720
 - a. 20 River Road, Verona, PA 15147
 - b. Tel.(412) 820-2200; Fax.(412) 820-4404
 - c. Web: www.bunting5720.com or sales@bunting5720.com
- B. Basis of Design: The drawing and specifications have been designed to conform to Bunting5720 Verona Railing System. Substitutions must be made 1 month in advance of the project bid date and meet section 01630 of the specification for substitutions for consideration. Without prior approval to the project bid date and an addendum issued to all bidders a substitution cannot be used.
- C. Substitutions: To be considered for substitution prior to bid the product must comply with 01630; in conjunction with that the following must be submitted: Test Reports that certify the product does meet ASTM E-985, a 5 year experience record with an equal system, and a full size sample for review.

2.2 MATERIALS – Anchora Railing System

- A. Material quality: Provide materials free from surface blemishes where exposed to view in the finished installation.
- B. Top Rail: 316 stainless steel Tube. 2” O. D. with a number 6 finish
- C. Posts: Type 316 stainless steel tube. 5/8” O.D. with a number 6 finish
- D. Grip Rail: Type 316 stainless steel. 1 1/4” O.D. Pipe with a number 6 finish
- E. Fasteners: All fasteners to be Stainless Steel 316 Grade
- F. Castings: All castings to be polished or satin brush stainless steel
- G. Mounting Brackets: Mounting to use Verona mounting detail dependent upon the material substrate that railings are mounted. Side mount or base mounts as shown on the architectural drawings.

- H. Infill Panel: Glass Infill Panels are to be 3/8" clear tempered glass with polished edges; stainless steel mesh panels to have 2" square opening pattern; custom design infill panels to match specification in drawings.

PART 3 EXECUTIONS

3.1 EXAMINATION

- A. Prior to the erection of the railing system railing installation team will verify that the site is built to the contract documents. If it is not built to the contract documents within the acceptable tolerances for ornamental railing contractor shall adjust the site to accommodate the installation of the railings to the contract documents.

3.2 INSTALLATION

- A. Installation to be performed in accordance with Verona Railing System instructions and at the locations per the location plan provided by the manufacturer.
- B. All railing is to be securely fastened to the existing substrate.
Shim as required to meet a plumb and level railing installation.

3.3 CLEANING

- A. Upon completion of installation clean railing system. Do not use abrasive agents or harsh chemicals.

3.4 PROTECTION

- A. Contractor to provide protection if construction is not complete.

END OF SECTION