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SECTION 05 52 16 – GLAZED RAILINGS

 GENERAL

 SUBMITTALS

 Action Submittals:

 Shop Drawings: Illustrate products, installation, and relationship to adjacent construction.

 Product Data: Manufacturer’s descriptive data and product attributes for railings.

 Samples: [Stain] [and] [powder coat] samples [in specified color.] [showing available colors.]

 Informational Submittals:

 Certificate of Compliance: Certification that installed products meet specified design and performance requirements.

 QUALITY ASSURANCE

 Installer Qualifications: Minimum [2] [\_\_] years’ experience in work of this Section.

 Fabricate railings in accordance with ASTM E935.

 Mockup: [[6] [\_\_] feet long x full height,] [\_\_\_\_.] Approved mockup [may] [may not] remain as part of the Work.

 SYSTEM DESCRIPTION

 Minimum Design Loads:

 [50] [\_\_] pounds per linear foot applied in any direction at top, transferred via attachments and supports to building structure.

 Concentrated [200] [\_\_] pound load applied in any direction at any point along top, transferred via attachments and supports to building structure.

 Maximum deflection under loading: [L/120.] [\_\_.]

 System design to be performed by qualified professional engineer licensed in State of [\_\_\_\_].

 PRODUCTS

 MANUFACTURERS

 Contract Documents are based on products by Viewrail, [www.viewrail.com](http://www.viewrail.com)

 Substitutions: [Refer to Division 01.] [Not permitted.]

 MATERIALS

 Aluminum Extrusions: ASTM B221, alloy and temper best suited to application.

\*\*\*\* OR \*\*\*\*

 Stainless Steel: ASTM A276/A276M, Type [304.] [316.]

 Glass: Clear tempered, ASTM C1048, low-iron ultraclear; Starphire by Vitro Architectural Glass or equivalent.

\*\*\*\* OR \*\*\*\*

 Glass: Clear tempered laminated, ASTM C1048 and ASTM C1172, low-iron ultraclear; Starphire by Vitro Architectural Glass or equivalent.

 Wood: [African Mahogany.] [American Cherry.] [Ash.] [Brazilian Cherry.] [Hard Maple.] [Hickory.] [Paint Grade.] [Poplar, Stain Grade.] [Quarter Sawn White Oak.] [Red Oak.] [Tigerwood.] [Walnut.] [White Oak.] [\_\_\_\_.]

 ACCESSORIES

 Anchors: Type best suited to application.

 FABRICATION

 Fabricate in accordance with approved Shop Drawings.

 Mounting Method: [Posts.] [Pins.] [Base Rail.] [Talons.]

 FINISHES

 Aluminum: Powder coat, AAMA 2605, [\_\_\_\_] color [to be selected from manufacturer's full color range].

\*\*\*\* OR \*\*\*\*

 Stainless Steel: [Satin.] [Polished.]

  Wood: [Stain and clear coat, [\_\_\_\_] color [to be selected from manufacturer’s full color range]. [Unfinished, for field-applied finish.]

 EXECUTION

 INSTALLATION

 Install in accordance with manufacturer’s instructions and approved Shop Drawings.

 Installation Tolerances:

 Maximum variation from plumb or level: [1/4] [\_\_] inch in [10] [\_\_] feet, noncumulative.

 Maximum offset from alignment of adjacent components abutting end to end: [1/8] [\_\_] inch.

 Maximum offset from alignment of adjacent glass panels: [1/8] [\_\_] inch.

END OF SECTION