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SECTION 05 51 00.02 - METAL STAIRS (TERRACE)

 GENERAL

 SUBMITTALS

 Action Submittals:

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

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

 Informational Submittals:

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

 SYSTEM DESCRIPTION

 Stair Design:

 Two hidden steel stringers.

 Closed risers.

 [Dimmable, dotless] LED lighting at underside of [treads] [and] [landings].

 Glass railings.

 Design Requirements:

 Design stair assembly to support a uniform live load of [100] [\_\_] PSF and a concentrated load of [300] [\_\_] pounds, with maximum deflection of [L/180.] [L/240.] [\_\_.]

 Design railings to resist following without damage or permanent set:

* + - * 1. [50] [\_\_] pounds per linear foot applied in any direction at top, transferred via attachments and supports to building structure.
				2. Concentrated [200] [\_\_] pound load applied in any direction at any point along top, transferred via attachments and supports to building structure.
				3. Maximum deflection under loading: [L/120.] [\_\_.]

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

 QUALITY ASSURANCE

 Stair system installation to be performed by stair manufacturer or under stair manufacturer’s direct supervision.

 PRODUCTS

 MANUFACTURERS

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

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

 MATERIALS

 Steel:

 Plate: ASTM A283.

 Tube: ASTM A500.

 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.] [\_\_\_\_.]

 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.

 FABRICATION

 Fabricate stairs in accordance with approved Shop Drawings.

 Stringers: Steel tube with steel mounting plates welded on.

 Treads and Landing Platforms: [Wire brushed.] [Smooth.] [Distressed.] [Beveled.]

 Tread End Caps: Same species and finish as treads.

 Tread Grip Strips: Stainless steel.

 Railings:

 Glass: Minimum 3/8 inch thick or as required to meet specified loads.

 Handrail: [Wood to match treads.] [Aluminum, [clear anodized] [powder coated finish, AAMA 2605, [\_\_\_\_] color [to be selected from manufacturer’s full color range.]] [Stainless steel, [satin] [polished] finish.]

 FINISHES

 Steel: [Unfinished, for field-applied finish.] [Factory-applied primer.] [Powder coat, AAMA 2605, [\_\_\_\_] color [to be selected from manufacturer’s full color range.]

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

 ACCESSORIES

 Mounting Hardware: [Plated] [Stainless] steel.

 EXECUTION

 INSTALLATION

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

 Installation Tolerances:

 Maximum variation from plumb: [1/4] [\_\_] inch per story, noncumulative.

 Maximum offset from true alignment: [1/4] [\_\_] inch.

END OF SECTION