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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