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SECTION 05 51 00.01 - METAL STAIRS (FLIGHT)

 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:

 Single steel stringer located at center of stair.

 [Open] [Closed glass] [Closed wood] risers.

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

 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.] [\_\_.]

 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 Flight 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.] [Endurance thermally modified Ash.] [\_\_\_\_.]

 FABRICATION

 Fabricate stairs in accordance with approved Shop Drawings.

 Stringers: Steel tube with steel mounting plates welded on.

 Treads and Landing Platforms:

 Thickness: [1 inch] [2-1/2 inches] [2 inches] [2-1/2 inches.] [3 inches.] [3-1/2 inches.] [4 inches.]

 Surface finish: [Wire brushed.] [Smooth.] [Distressed.] [Beveled.]

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

 Treads and Landing Platforms: 3-1/2 inches thick, slotted for drainage.

 Tread End Caps: Same species and finish as treads.

 Tread Grip Strips: Stainless steel.

 Bracket Covers: Steel, magnetic mounting.

 Risers: [Wood to match treads.] [Minimum 3/8 inch thick clear laminated, tempered glass.]

 Railings: Specified in Section [05 52 16 - Glazed Railings.] [05 52 19 - Cable Railings.] [05 52 21 - Rod Railings.]

 FINISHES

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