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SECTION 05 51 11 - METAL STAIRS

 GENERAL

 SUBMITTALS

 Action Submittals:

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

 Informational Submittals:

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

 SYSTEM DESCRIPTION

 Design Requirements:

 Design stair assemblies to support minimum 1000 pound concentrated load applied at any point. Design platform to support 50 psf, distributed load

 Design guard rails to resist following without damage or permanent set:

* + - * 1. 50 pounds per linear foot applied in any direction at top.
				2. Concentrated 200 pound load applied in any direction at any point along top.

 QUALITY ASSURANCE

 Installer Qualifications: Firm specializing in work of this Section, with minimum [2] [\_\_] years’ experience.

 Stair Assemblies: Comply with OSHA 29 CFR 1910, subpart D.

 WARRANTIES

 Provide manufacturer’s 2 year warranty against defects in materials and workmanship.

 PRODUCTS

 MANUFACTURERS

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

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

 MATERIALS

 Aluminum:

 Extrusions: ASTM B221.

 Sheet: ASTM B209.

 Plate: ASTM B632/B632M.

 ACCESSORIES

 Fasteners: Corrosion-resistant coated steel.

 FABRICATION

 Fabricate stairs in accordance with approved Shop Drawings.

 Construction: Aluminum, welded assembly.

 Stair Width: 22 inch minimum clear between handrails.

 Treads: Checkered plate, 9.5 inches deep.

 Maximum Riser Height: 9.5 inches maximum.

 Risers: Open type.

 Railings:

 Stairs over 30 inch vertical rise: Provide guard rail at 42 inches above tread nosings.

 1.9 inch nominal outside diameter.

 Welding: Conform to AWS D1.2/D1.2M.

 FINISHES

 Aluminum: Mill finish.

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

 Aluminum:

* + - 1. Stair structure: Mill finish.

 Handrails: Safety Yellow powder coat.

 EXECUTION

 INSTALLATION

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

END OF SECTION