SECTION 05 51 00 - METAL STAIRS

PART 1 - GENERAL

1.1 SYSTEM REQUIREMENTS

A. Design Requirements:
   1. Provide preassembled steel stairs with concrete-filled treads at all back-of-house stairs.
   2. Provide industrial-type stairs with steel floor plate or grating treads only where approved by the University Project Manager.
   4. For pre-assembled and industrial-type stairs, provide both high-performance coated steel tube railings attached to metal stairs and high-performance coated steel tube handrails attached to walls adjacent to metal stairs as required by design.
   5. See Section 05 73 00 – Decorative Metal Railings for handrails and guardrails at ornamental steel-framed stairs.

B. Performance Requirements:
   1. Engineering design of steel stairs and railings by Contractor.

1.2 QUALITY ASSURANCE

A. Stair Standard: NAAMM AMP 510, "Metal Stairs Manual."
   1. Preassembled Stairs: Commercial class.
   2. Industrial-Type Stairs: Industrial class.
   3. Ornamental Stairs: Architectural class.

PART 2 - PRODUCTS

2.1 MATERIALS

A. Stringers: Steel plates or channels.

B. Metal-Pan Stairs: Uncoated cold-rolled steel sheet.

C. Metal Bar-Grating Stairs: 5/16 inch maximum opening.

D. Steel Tube Railings:
   1. Rails and Posts: Manufacturer’s standard for preassembled stairs.
   2. Picket Infill: 1/2-inch- square pickets spaced less than 4 inches clear. Horizontal rails not permitted.

PART 3 - EXECUTION (Not Applicable)

END OF SECTION 05 51 00