

## **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.
  - 3. Provide ornamental steel-framed stairs in public spaces.
  - 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**