

Metal Stairs | 05 51 00

The following information shall be included in specifications prepared for use on all University of Cincinnati construction and renovation projects. This information is supplemental and not intended to be a complete specification.

GENERAL STANDARDS

General Criteria

Interior Metal Stairs - Interior stair construction standards allow for the use of flat steel plate, MC shapes or HSS shapes for stringers. HSS sections are preferred for appearance and maintenance reasons but are not required. Concrete-filled steel pan stairs are preferred for interior construction. Checker plate steel treads and landings are only allowed in lightly used mechanical spaces, not public stairs. Higher-quality treads and risers are appropriate for exposed monumental interior stairs. Wood treads are not suitable for public stairs. Slip-resistant tread surfaces are required.

Exterior Metal Stairs (covered or uncovered) - Exterior stair construction requires all ferrous metal components to be hot-dipped galvanized after fabrication. Concrete-filled steel pan stair treads are not allowed due to internal rusting issues and maintenance concerns. All exterior steel stairs must be designed for safe use in snow and icing conditions. Industrial-style open grate treads are not suitable for public stairs. The use of stainless steel or more corrosion-resistant materials is encouraged.

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