

SECTION 05 01 00: METALS

1. GENERAL

- A. This section applies to all miscellaneous and ornamental metals that receive exterior exposure, such as handrails, guardrails, bollards, exterior metal stairs, gratings, ladders, trellises, and exposed structural elements such as shelf angles, and similar items.

2. EXPOSED FASTENERS

- A. Avoid exposed fasteners in locations accessible to the public; where it is necessary to use fasteners, use tamper-proof type.

3. AREA GRATINGS

- A. Security, removal, drainage, leaf protection must be reviewed and approved with Brown Project Manager.
- B. Exterior gratings should be avoided when possible because of multiple maintenance issues.

4. CORROSION RESISTANCE

- A. Metal items embedded in masonry, stone, or concrete may only be brass or stainless steel; aluminum, galvanized steel, or coated steel is not acceptable for embedment.
- B. All fasteners used in stone, masonry, or concrete must be stainless steel or, in the case of expansion anchors, brass.
- C. Do not cast pipe sleeves into exterior concrete unless they are stainless steel, otherwise, use a galvanized base plate with stainless steel fasteners extending into the concrete.