

# WVU DESIGN GUIDELINES & CONSTRUCTION STANDARDS

## DIVISION 05 – METALS

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### SECTION 055213 – PIPE AND TUBE RAILINGS

#### PART 1: GENERAL

##### 1.1 Scope Of Standard

- A. This standard provides general guidance concerning the specific preferences for pipe and tube railings.

##### 1.2 Reference Standards

- A. Current ADA requirements
- B. Lifesafety 101
- C. AWS (specs for standard handrails)
- D. Section 099100A

##### 1.3 General Requirements

###### A. Metal Handrails

1. Acceptable materials include stainless steel, galvanized steel, anodized aluminum and fiberglass. The preferred color is black.
2. Handrails of rectangular cross sections are not acceptable.
3. Rails shall be oval or round and comply with current ADA requirements.
4. Rails shall not terminate with open ends.
5. Designer shall consider existing conditions and verify with WVU project representative for rail color.
6. Metal handrails should be galvanized steel. Black is preferred.

###### B. Metal Rails

1. Exterior steps should have railings at open sides and a center railing, if required by applicable code, anodized aluminum, or stainless steel, 1-1/4 to 1-1/2 inches in diameter, and securely anchored. Painted steel is not preferred.
2. All rails shall comply with current ADA requirements.

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3. Provide for expansion and contraction.

C. End Caps

1. Where end caps or post caps are required, they should be permanently fastened by welding or with rivets or screws which cannot be easily removed.

D. Other Handrails

1. Fiberglass handrails may also be utilized.

**PART 2: PRODUCTS – NOT USED**

**PART 3: EXECUTION – NOT USED**

END OF SECTION 055213