

SECTION 05500 – METAL FABRICATIONS
CONSTRUCTION STANDARD

PART 1: GENERAL

1.01 Scope of Standard

- A. This standard provides general guidance concerning the specific preferences of The University of Texas at Austin for metal items manufactured to conventional details from standard metal shapes and plates that do not fit specifically in other locations.
- B. UT recognizes that project conditions and requirements vary, thus precluding the absolute adherence to the items identified herein in all cases. However, unless there is adequate written justification, it is expected that these guidelines will govern the design and specifications for UT projects.

1.02 Reference Standards

- A. Refer also to Section 09950, Coating and Paint Systems for general guidance concerning the specific preferences of UT-Austin for exterior and interior coating and paint systems for brick, CMU, concrete, gypsum board, plaster, steel and stucco.

1.03 Quality Control

- A. Galvanized metals: Accessibility, maintenance, and appearance each will govern the satisfactory use of galvanized materials. Coordinate design efforts through the UT project representative. Care must be taken to assure use with only compatible materials.
- B. Fabricate assemblies that are to be galvanized into large sections as possible in the shop to minimize field welding and resultant coating.

1.04 General Requirements

- A. Erosion resistant cement: Material compatibility to site conditions, environmental conditions, and also paint primer types shall all be considered in determining the need to use erosion resistant cement. Coordination of use shall be through the UT project representative.
- B. Primer compatibility: Check coatings and paint systems for compatibility with specified or existing primer and manufacturer's recommendations for preparations prior to any new applications onto the primer. Follow paint or coating manufacturer's recommendations for primer installation/type and environmental conditions required for base material preparations, such as moisture content, drying time elapsed, ambient air temperature, etc. prior to any paint or coatings application.

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- C. Exterior fixed ladders shall meet OSHA requirements found in 29CFR 1910. 27, with the exception that #6 rebar is not to be used. For ladder rungs use 3/4" A36 square steel welded at 90 degrees to center.

PART 2: PRODUCTS – NOT USED

PART 3: EXECUTION – NOT USED

END OF STANDARD 05500