

DIVISION 5 - METALS

Section 05500 - Metal Fabrications

Introduction

This Section applies to all miscellaneous metal items such as lintels, embeds, grating, ladders, handrails, stairs, bollards, nosings, trim and similar architectural features.

Part 1 - General

Metal pipe bollards shall be a minimum of 6" diameter. Where removable bollards are required, provide bollards as detailed on Dwg.02870-D1 in DSS Section 02870 - Site and Street Furnishings. Bollards can be of the same size and height when located in proximity to each other.

Part 2 - Products

- Metal bar grating shall be capable of withstanding a minimum uniform load of 250 psf or a concentrated load of 650 lbs.
- Grout and anchoring cement shall be non-metallic, non-shrink type.

Part 3 - Execution

- Welds shall be ground and sanded smooth for uniform painted appearance. The use of "Bondo" to fill large gaps and holes is discouraged.
- All sharp corners shall be radiused a minimum of 1/8"
- The use of expansion bolts to secure metal railing assemblies is discouraged. Anchorage should consist of direct embeds (cored holes, sleeves or plates) and/or welding.
- The use of metal pans for exterior stairs is discouraged and shall only be used with the approval of the UA Project Coordinator. When used in an exterior application all metal pans and other associated metal stair components shall be galvanized or 100% seal weld with all metal pan surfaces epoxy painted prior to infilling with concrete to alleviate the development of rust on any hidden or confined surfaces.

End of Section 05500