

**STRUCTURAL STEEL AND MISCELLANEOUS METAL ITEMS (OTHER THAN ALUMINUM).**  
**(REV 3-23-15)**

ARTICLE 962-9 is deleted and the following substituted:

**962-9 Galvanizing.**

**962-9.1 Plates, Structural Shapes, Bars, and Strip:** When galvanizing is specified in the Contract Documents for ferrous metal products, other than fasteners and hardware items, provide galvanizing in accordance with the requirements of ASTM A123, Specifications for Zinc (Hot-Dip Galvanized) Coatings on Iron and Steel Products or the requirements of ASTM A1059, Specification for Zinc Alloy Thermo-Diffusion Coatings (TDC) on Steel Fasteners, Hardware, and Other Products, as specified in the Contract Documents.

Thickness or weight of zinc coating for ASTM A1059 shall be for Coating Class 40.

**962-9.2 Fasteners and Hardware:** When zinc coating is required in the Contract Documents, fasteners and hardware items shall be galvanized in accordance with the requirements of ASTM A153, Specification for Zinc Coating (Hot-Dip) on Iron and Steel Hardware, or the requirements of ASTM A1059, Specification for Zinc Alloy Thermo-Diffusion Coatings (TDC) on Steel Fasteners, Hardware, and Other Products, as specified in the Contract Documents, except for high strength fasteners as noted below:

1. Do not galvanize ASTM A490 bolts.
2. Mechanically galvanize ASTM A325 Type 1 bolts in accordance with ASTM B695, Class 50.
3. For all anchor rods and hardware galvanized in accordance with ASTM A123, treat the coated rods, nuts and washers with chromate after coating in a water solution containing 0.2% sodium dichromate 3 ounces/10 gallons. Coat the bolt, nut and washer used in the fastener assembly by the same zinc process, and provide a test report on the zinc coating thickness.
4. For anchor rods fabricated from material having a yield strength greater than 80,000 psi apply an electroplated zinc coating SC 3, Type II in accordance with ASTM B633.

Thickness or weight of zinc coating for ASTM A1059 shall be for Coating Class 40.

**962-9.3 Qualifications of Galvanizer:** Use galvanizer's listed on the Department's Approved Product List (APL). Listing must occur prior to commencing the work.