1-Hour Designing for Hot-Dip Galvanizing (HSW Credit) (Scheduled – Classroom)

I. Introduction & Learning Objectives
   a. Tour of Projects

II. Hot-Dip Galvanizing Process
   a. Surface Prep
   b. Galvanizing
   c. Inspection

III. Specifications
   a. ASTM Specifications
   b. ASTM Supporting Specifications
   c. Other Standards

IV. Design & Fabrication
   a. Steel Chemistry/Surface Conditions
   b. Size & Shape
   c. Process Temperature Concerns
   d. Venting & Drainage
   e. Welding
   f. Threaded & Moving Parts
   g. Additional Design Considerations

V. Inspection
   a. Coating Thickness
   b. Adherence
   c. Finish & Appearance
   d. Weathering
   e. Touch-Up & Repair
   f. Storage & Handling

VI. Duplex Systems: Painting/Powder Coating Hot-Dip Galvanized Steel
   a. Why Duplex?
   b. Preparation/Surface Conditions
   c. Case Study

VII. Summary

Revised: October 2016