



# American Galvanizers Association *Galvanize It!* Seminar Program Outline



## 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