1-Hour Reinforcing Steel Seminar (HSW Credit) (Scheduled – Classroom)

I. Introduction and Learning Objectives

II. Hot-Dip Galvanizing Process

III. Why Hot-Dip Galvanized Rebar?
   a. Corrosion Protection
      i. Rebar Corrosion
      ii. High Chloride Threshold
      iii. Corrosion Migration & Concrete Densification
   b. Durability
      i. Abrasion Resistance
      ii. Uniform Protection
      iii. Complete Coverage
      iv. Bond Strength
   c. Longevity
      i. In Concrete
      ii. Accelerated Testing
   d. Availability, Efficiency, Safety
      i. Abundant
      ii. Efficiency
      iii. Safety
   e. Sustainability
      i. Environmental Advantages
      ii. Economic Advantages
      iii. Cost Comparisons

IV. Design & Specification
   a. Designing Rebar for HDG
   b. Specifying HDG Rebar
   c. Mechanical Properties
   d. Steel Selection & Dissimilar Metals
   e. Coating Thickness
   f. Bending
   g. Handling
   h. Touch-Up & Repair
   i. Removal of Forms
   j. Testing

V. Summary