1-Hour Core Seminar (HSW Credit) (Scheduled – Classroom)

I. Introduction and Learning Objectives
   a. Structural Steel: Strong & Sustainable

II. Hot-Dip Galvanizing (HDG) Process

III. What is Zinc?
   a. Zinc – Natural, Essential, Common
   b. Other Zinc Coatings

IV. Why Hot-Dip Galvanizing
   a. Corrosion Protection
      i. Barrier protection
      ii. Cathodic Protection
      iii. Zinc Patina
   b. Durability
      i. Abrasion Resistance
      ii. Uniform Protection
      iii. Complete Coverage
   c. Longevity
      i. In Atmosphere
      ii. In Soil
      iii. Moisture Rich Environments
      iv. In Concrete
      v. In Other Environments
   d. Availability & Versatility
      i. Abundant
      ii. Efficiency
      iii. Safety
   e. Aesthetics
      i. Modern, Natural Appearance
      ii. Duplex Systems
   f. Sustainability
      i. Environmental Advantages
      ii. Economic Advantages

V. Design and Specification

VI. Summary

Revised: October 2016