
CONSTRUCTION ENGINEERING
Homework #2 – Due Date: May 17, 2016

1. Create a comparison table listing the major differences between construction and manufacturing. Which items do you think are most significant? Why?
2. What are the stages at which the designer will schedule design reviews? What is the purpose of the design reviews? Who performs the reviews? Is there any impact from ignored design reviews? What should a designer do when the owner is clearly incapable, through lack of staff or experience, or completing a competent design review?
3. What is the purpose of the following documents in a construction contract?
 - a. General Conditions
 - b. Special Conditions
 - c. Addenda
 - d. Technical Specifications
4. Why is the contractor normally required to submit a bid bond when making a proposal to an owner on a competitively bid contract?
5. List five (5) of various specialty groups (i.e. subcontractors) that may normally be involved in the construction of a high-rise building project?
6. List the various types of Project Delivery Systems and describe which contract types are typically associated with each Project Delivery System and why?
7. What creates the “S” shape associated with construction project Production Curves?
8. Describe and discuss at least three unethical business strategies that a contractor might use to exploit an owner in an attempt increase profits for the contractor.