



- 1) According to the Code of Standard Practice Section 4, which of the following should be included in standardized Request For Information (RFI) format?
  - a. Date
  - b. Author
  - c. RFI #
  - d. Needed Response Date
  - e. All of Above
  
- 2) True or False: Request for Information (RFI's) should be limited to 3 questions each.
  - a. True
  - b. False
  
- 3) True or False: The Engineer of Record's use of envelope forces on the design drawings often leads to nodes that appear to lack force equilibrium.
  - a. True
  - b. False
  
- 4) Which of the following is an advantage of using bolts in bearing-type connections?
  - a. They can be used with all hole types
  - b. They have higher capacities than pretensioned bolts in slip critical connections
  - c. They are suitable for all fatigue applications
  - d. Architects prefer them
  
- 5) Which of the following can cause challenges when designing moment connections?
  - a. Beams with narrow flange widths restricting the use of bolts
  - b. Opposing beams of different depths
  - c. Incomplete Loading Information
  - d. All of the Above
  
- 6) True or False: When designing connections, least weight is always the most cost effective solution.
  - a. True
  - b. False



## Steel Construction: From the Mill to Topping Out

Quiz for Session 4: Connection Design As the Fabricator's Representative – November 5, 2018

Due: November 26, 8:00 a.m. EST – Submit through the online form

- 7) Long copes of beams at shear connections may require:
  - a. Beam web reinforcement
  - b. Use of slip critical connections
  - c. Field welding
  - d. Consideration of fatigue in design
  
- 8) When using pretensioned bolts in slip critical connections, which hole types are allowed?
  - a. Oversize
  - b. Standard
  - c. Short Slots
  - d. Long Slots
  - e. All of the Above
  
- 9) Which of the following are commonly addressed in the Request For Information Process?
  - a. Request to substitute member shapes to allow for more efficient connections
  - b. Loading clarification
  - c. Request to modify connection types
  - d. b & c
  - e. a, b & c
  
- 10) What method, included in the AISC Manual, results in efficient designs of bracing gusset plates?
  - a. Elastic Vector Method
  - b. Concentric Moment Effect
  - c. Uniform Force Method
  - d. Instantaneous Center Method

