



1. True or False: Engineers are not responsible for design decisions that conform to published Design Examples.
  - a. True
  - b. False
  
2. True or False: The procedures in Design Examples are AISC requirements.
  - a. True
  - b. False
  
3. True or False: Engineers must verify the accuracy, suitability, and applicability of Design Examples before relying on the information for any specific application.
  - a. True
  - b. False
  
4. True or False: As long as every limit state in a Design Example is satisfied, the *Specification* requirements have been satisfied.
  - a. True
  - b. False
  
5. Lapped plates:
  - a. are prohibited from resisting compressive loads.
  - b. can be safely designed to resist compressive loads.
  - c. require more judgment and complex design models when resisting compressive loads.
  - d. b and c
  - e. None of the above.
  
6. A design example published by AISC:
  - a. demonstrates the only viable approach to the design.
  - b. demonstrates an approach to the design.
  - c. demonstrates the approach to the design that works best for engineers and their projects.
  - d. demonstrates the most economical approach to the design.





7. Design examples:
  - a. always list all assumptions made.
  - b. list all assumptions made that could impact design decisions.
  - c. often reflect decisions that are based on implicit assumptions.
  - d. always explicitly justify all assumptions made.
  
8. The criterion that that shear strength of base metal is stronger than the shear strength of a fillet weld:
  - a. represents a requirement of the *Specification*.
  - b. represents a requirement of the *Manual*.
  - c. represents an assumption that must be satisfied in order to apply the design procedures in the *Manual*.
  - d. represents a convenience.
  
9. Engineers:
  - a. must always accurately and precisely determine the actual strength of all conditions in the structures they design.
  - b. sometimes need only determine that a condition is “okay”, and this can often be accomplished without accurately and precisely determine the actual strength of the condition.
  - c. do not need to concern themselves with the behavior of the actual structure because today’s design models are so precise.
  - d. sometimes can assume conditions are okay because the conditions look like conditions that appear in the *Manual*.



Night School 26: Developing Eye for Connection Design

Session 6: Connection Design Examples, August 17, 2021

Due: September 14, 2021, 8:00 am EDT – Submit through the online form



10. Limit states in the *Specification*:

- a. are universally applicable and sufficient for the design of any structure that can be constructed of steel.
- b. are intended for routine use and not to provide specific criteria for infrequently encountered problems, which occur in the full range of structural design.
- c. are applicable and sufficient for the design of any structure that can be constructed of steel and that is not explicitly prohibited.
- d. are intended to be applied using professional judgment.
- e. Items b and d.



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