



1. Which of the following are types of vertical bracing connections?
 - a. Chevron connection
 - b. Corner connection
 - c. Base connection
 - d. All of the above

2. True or False: The primary concern with connecting a gusset to the stem of a tee brace is due to the eccentricity of the tee-stem.
 - a. True
 - b. False

3. For which of the following situations is the KISS method more advantageous to use than the UFM?
 - a. When reserve strength at the beam-to-column connection is required.
 - b. When the beam-to-column connection cannot be affected.
 - c. When force redistribution is required.
 - d. All of the above

4. True or False: When designing corner connections, it is acceptable to use the force from one brace to offset the force from the opposing brace.
 - a. True
 - b. False

5. Which of the following notes should be avoided as it may create an RFI?
 - a. Brace and tab 1" minimum above finished floor.
 - b. Schematic detail. Fabricator to design actual connection based on required loading.
 - c. Bolted/welded double angle connections at gusset.
 - d. For checking HSS wall, use $P_a = 0.75 (0.6 F_y)$ ASD.

6. During the design of brace connections, which of the following would NOT cause an issue that needs to be coordinated?
 - a. Precast concrete flooring
 - b. Stiffeners or doublers at column
 - c. Column splice forces



- d. Dropped ceiling
7. True or False: Stability will become a concern for a chevron bracing connection when there is not a beam framing into the work point.
- a. True
 - b. False
8. In a base connection, what is the preferred elevation for the work point?
- a. Above the base plate
 - b. At the top of the base plate
 - c. Mid-height of the base plate
 - d. Base of the base plate
9. Which of the following is NOT a potential method to avoid extending the size of the base plate?
- a. Weld a plate onto the edge of the base plate
 - b. Increase weld size
 - c. Increase gusset thickness
 - d. Rotate column orientation
10. True or False: Regardless of whether the Whitmore section falls off the gusset, it is permissible to still take the full width.
- a. True
 - b. False

