



1. In modern buildings, you only have to accommodate drift in the attachments of:
 - a. Glass and aluminum curtain walls
 - b. Masonry Veneer but not the backup
 - c. Masonry Veneer and the backup
 - d. Precast concrete panels
 - e. A,B,and D
 - f. A,C,and D

2. A building with continuous strip windows is most likely to use this strategy(s) for accommodating out-of-plane movement:
 - a. Rigid body translation
 - b. Rigid body rotation
 - c. Distortion
 - d. A and B

3. Which of the following statements are true regarding accommodating in-plane drift with rigid body rotation:
 - a. Connections allow vertical and horizontal movement
 - b. Affects both vertical and horizontal joints
 - c. Best with tall, narrow panels
 - d. All of the above

4. Which of the following façade panel types can accommodate in-plane drift with racking:
 - a. Precast concrete
 - b. Metal panels on metal stud backup
 - c. Stucco on metal stud backup
 - d. Stick built aluminum curtain walls
 - e. B, C, and D
 - f. All of the above

5. Most building codes require that the lateral drift from wind loads is limited to:
 - a. $h/400$
 - b. $h/600$
 - c. $h/400$ to $h/600$
 - d. No code limit



Design of Curved Members/Façade Attachments

Quiz for Session 8: Façade Attachments - Building Lateral Drifts– August 6, 2018

Due: August 27, 8:00 a.m. EDT – Submit through the online form

6. The ASCE 7 seismic forces used for checking that panel joint widths can accommodate lateral seismic drift are:
 - a. Given in Chapter 13
 - b. From Chapter 12 but amplified by I_e in Chapter 13
 - c. From Chapter 12 but without C_d
 - d. Not given, it's designer judgement

7. If you meet the seismic drift limits given in Chapter 12 of ASCE 7, you will protect the façade elements from damage in a design-level earthquake.
 - a. True
 - b. False

8. Connections that accommodate story drift by bending of threaded rods must meet length-to-diameter limits and material properties given in ASCE 7:
 - a. To limit deformation
 - b. To prevent low-cycle fatigue
 - c. To prevent corrosion

9. True or False: Rigid body rotation can be difficult to achieve for in-plane drifts for panels with low aspect ratios because of the high level of bi-directional movement demanded at the corners of a given panel.
 - a. True
 - b. False

10. Why are there often large movement joints at building corners?
 - a. Because this area of the building experiences the greatest drift demands
 - b. Because of local deformation of the corner column
 - c. Because both the in-plane drift demands of one building face and the out-of-plane drift demands of another building face must be accommodated at this location
 - d. Because architects are not concerned about aesthetic issues at building corners



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