

# AIA Continuing Education Learning Program

## Learning Units Reporting Form

### AIA Questions (Circle the correct answer)

1. Half-high brick like concrete masonry units
  - a. Provide the rich look and beauty of traditional brick
  - b. Are single wythe loadbearing
  - c. Save time and money
  - d. All of the above
2. The Fred Meyer store built in Wandermere, North Spokane saved the company more than \$\_\_\_\_\_ over the cost of previous projects built out of tilt-up
  - a. \$10,000
  - b. \$100,000
  - c. \$1,000,000
  - d. \$2,000,000
3. Masonry is faster than tilt-up because with masonry wall construction can start as soon as the footings are poured. With tilt-up all the underslab work (plumbing and electrical) and the floor slab must be in place before they can start work on erecting the steel or casting the panels
  - a. True
  - b. False
4. Another reason Fred Meyer prefers masonry for its stores is because CMU softens the "big box" look of its stores and is more appealing to customers as well as the community
  - a. True
  - b. False
5. The Fred Meyer CMU prototype store
  - a. Used earth-tone colors for a softer image
  - b. Used curves to soften the image
  - c. Has design flexibility and will easily accommodate future additions due to the use of concrete masonry
  - d. All of the above.
6. For dry single wythe concrete masonry walls the following is recommended
  - a. Painting over architectural masonry units
  - b. Use of integral water repellent in the units and the mortar as well as application of a compatible post-applied surface water repellent.
  - c. Flashing and weeps for grouted cells only.
  - d. None of the above
  - e. All of the above.
7. Partially grouted walls do not require flashing and weeps, just sealants and water repellents.
  - a. True
  - b. False
8. Veneers are
  - a. Nonstructural masonry
  - b. Carry their own weight plus the weight of the back up
  - c. Not considered to add to the load resisting capability of a wall
  - d. All of the above
  - e. a and c only
9. For high wind areas the following adjustments must be made regarding veneers
  - a. No special consideration needed—prescriptive requirements still apply
  - b. Reduced spacing for basic wind speeds between 110 and 130 mph (177 to 209 km/hr)
  - c. Must be designed using engineering philosophies for basic wind speeds over 130 mph (209 km/hr)
  - d. b and c above.
10. Adhered veneer is
  - a. Secured and supported by anchors as well as adhesion to the backing
  - b. Secured and supported by adhesion to the backing
  - c. Limited to 4 in. (102 mm) thickness
  - d. Permitted to be up to 30 lb/ft<sup>2</sup> (146 kg/m<sup>2</sup>) in weight



To receive one learning unit, read "Half-high Units Save the Day", "Masonry Gives Fred Meyer the Right Image", "Concrete Masonry Provides Beauty and Strength Inside and Out", and complete this questions on this page. Return this form to the National Concrete Masonry Association.

Return forms before December 2010 to receive learning unit credits.

I am a non-AIA architect or design professional. Please mail me a certificate stating that the learning units earned can be used to fulfill other continuing education requirements.

Send completed Report Form to:  
AIA CES, National Concrete Masonry Association,  
13750 Sunrise Valley Drive,  
Herndon, VA 20171-4662,  
or fax to NCMA at 703-713-1910.

If you have questions, please contact NCMA at 703-713-1900.

January | February 2010

### AIA Member Information:

Name \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_

State/Province \_\_\_\_\_

Zip Code \_\_\_\_\_

Phone \_\_\_\_\_

Fax \_\_\_\_\_

E-mail \_\_\_\_\_

ID Number \_\_\_\_\_

I certify that the above information is true and accurate to the best of my knowledge. I have complied with the AIA Continuing Education Guidelines.

Signature \_\_\_\_\_

Date \_\_\_\_\_

Check here to request a catalog of concrete masonry technical literature.