

### Primary Topics for Competency 9

- Residential Building Code (IRC)
- ADA Commercial Building Code
- ADA Residential Building Code

### Terms to be defined or identified for Competency 9

- ADA
- Smoke Alarm
- IRC
- CO<sup>2</sup> Alarm
- Panel
- Sub Panel
- Circuit Breaker
- Habitable room
- Electrical Service
- Crawl Space
- HVAC
- Sanitation
- Living Space
- Slope
- Ramps
- Barrier Free
- Elevators

### Sample Questions

True or False

Designing a structure to ADA specifications allows for accessibility by disabled persons.

Wood members that contact masonry or concrete must be pressure-treated.

Brick is placed flush against the exterior wall sheathing. (CA - 2"SPACE)

Every Sleeping Room shall have a smoke detector

Residential Hallways must be a minimum of 36" clear width

The wall between a garage and livable space shall be which of the following?

- a. Built with non-combustible materials.
- b. Built of masonry construction.
- c. Built as a 1-hr fire wall.
- d. Built without openings.

At least one exterior door of the residence shall be at least:

- a. 30"
- b. 36"
- c. 40"
- d. 44"

Habitual residential space shall have a ceiling height of no less than:

- a. 7'-0"
- b. 7'-4"
- c. 7'-6"
- d. 8'-0"

Kitchens, halls, bathrooms and toilet compartments shall have a ceiling height of no less than:

- a. 6'-8"
- b. 7'-0"
- c. 7'-8"
- d. 8'-0"

The typical single-family residence should be equipped with a service entrance of:

- a. 50 amps
- b. 100 amps
- c. 200 amps
- d. 400 amps

Which of the following is considered a live load?

- a. People
- b. Walls
- c. Floor coverings
- d. Shingles

Guardrails or Handrails must be provided in the change in floor or ground elevations exceeds.

- a. 24"
- b. 28:
- c. 30"
- d. 36"

A Kitchen is a habitable room. What type of natural light is required?

- a. 5 square feet
- b. 8 square feet
- c. 10 square feet
- d. No window is required

Occupancy is based on how many persons for the first bedroom?

- a. None
- b. 1
- c. 2
- d. 3

Which of the following is an acronym for a Building Code Organization?

- a. ANSI
- b. ADDA
- c. IRC
- d. ASTM