



BGR Technical
Publications

Sample Questions

2015 Residential Building Inspector

by Cliff Burger

2015 2B1 EXAM PREP

Edison

*Based on the
2015 International Residential Code*



Inspector Series

Timed Exam 3

4 Hours to Complete

Timed Exam 3 - 1 For roof slopes of four units vertical in 12 units horizontal or greater, underlayment shall be a minimum of one layer of underlayment felt applied shingle fashion, parallel to and starting from the eaves and lapped ____ inches, fastened sufficiently in place.

- A. 1
- B. 2
- C. 4
- D. 6

Timed Exam 3 - 2 When the code refers to LIB bracing as a braced wall line method, what does LIB stand for?

- A. Lateral-inline-bracing
- B. Let-in-bracing
- C. Lumber-inline-bracing
- D. Lumber-internally-braced

Timed Exam 3 - 3 A smoke alarm shall be installed outside each separate sleeping area in the immediate vicinity of _____.

- A. any storage closet
- B. the unhabitable rooms
- C. all areas of the dwelling
- D. the bedrooms

Timed Exam 3 - 4 There shall be a floor or landing _____ of each exterior door. Exceptions ignored.

- A. on the inside
- B. on the outside
- C. on either the inside or outside
- D. on each side

Timed Exam 3 - 5 What is the maximum rafter span for #1 Southern pine 2X8 spaced 16 inches OC with a ground snow load of 30 PSF and a dead load of 10 PSF with the ceiling not attached to the rafters.

- A. 14-7
- B. 14-7
- C. 16-6
- D. 19-9

Timed Exam 3 - 6 What is the maximum ceiling joist span for SS Douglas fir-larch 2X8 spaced 19.2 inches OC with a live load of 20 PSF and a dead load of 10 PSF in an uninhabitable attics with limited storage.

- A. 17-1
- B. 18-5
- C. 24-0
- D. 15-2

Timed Exam 3 - 7 Fire resistance rated floor ceiling and wall assemblies shall extend to and be tight against the exterior wall, and wall assemblies shall extend _____ . Exceptions ignored.

- A. through the roof
- B. to the underside of the roof sheathing
- C. beyond the roof to a minimum height of 30 inches
- D. none of the above

Timed Exam 3 - 8 Which of these fastener methods would meet the requirement for the wood ceiling joists not attached to parallel rafter, laps over partitions, face nailed.

- A. 4-10d box nails
- B. 3-16d box nails
- C. 3-8d common nails
- D. none of these
- E. all of these

Timed Exam 3 - 9 What is the maximum allowable span for a 4 × 3 × 1/4 lintel supporting masonry veneer with one story above.

- A. 8'-0"
- B. 6'-0"
- C. 4'-6"
- D. 3'-0"

Timed Exam 3 - 10 Where joists, trusses or rafters are spaced more than 16 inches on center and the bearing studs below are spaced 24 inches on center, such members shall bear within _____ inches of the studs beneath. Exceptions ignored

- A. 8
- B. 6
- C. 5
- D. 2

Timed Exam 3 - 11 An alternative material, design or method of construction shall be approved where the building official finds that the proposed design is satisfactory and complies with the intent of the provisions of this code, and that the material, method or work offered is, for the purpose intended, _____.

- A. at least the equivalent of that prescribed in this code
- B. superior to that prescribed in this code
- C. even if it is not at least the equivalent of that prescribed in this code
- D. none of the above

Timed Exam 3 - 12 Floor systems, truss design drawings, shall be provided to the building official and approved _____.

- A. prior to installation
- B. at the job site
- C. after installation is completed
- D. none of the above

Timed Exam 3 - 13 Interior stairways shall be provided with an artificial light source to illuminate the landings and treads. The light source shall be capable of illuminating treads and landings to levels of not less than _____.

- A. 1 foot-candle (11 lux) as measured at the center of treads and landings
- B. 2 foot-candles (22 lux) as measured at the center of treads and landings
- C. 1 foot-candle (11 lux) as measured directly below the center of the light source at the surface of the stair or landing.
- D. none of the above

Timed Exam 3 - 14 Additions, alterations or repairs to any structure shall conform to that required for a new structure _____ the existing structure to comply with all of the requirements of this code, unless otherwise stated.

- A. shall require
- B. must require
- C. without requiring
- D. none of the above

Timed Exam 3 - 15 What is the minimum R value for insulation installed in a exterior building wood frame wall in a single family dwelling in Marathon County Wisconsin.

- A. R-21
- B. R-13
- C. R-19
- D. R20 or R13 + 5
- E. C or D