

FREE PRACTICE SAMPLE

B1 Residential Building Inspector

2024 International Residential Code (IRC)

18 original questions

Four choices per question

Separate answer key with code references and search paths

**Practice finding the provision.
Then check your answer.**

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Selected from the completed Keystone B1 Retail V1.0 guide. No code book is included.

Independent educational resource. Keystone Inspector Prep is not affiliated with, sponsored by, approved by or endorsed by ICC. These are original practice questions, not actual ICC examination questions.

Make the sample useful

Use this set alongside your matching 2024 IRC. Confirm the designation, code edition and permitted references for your registered exam in the current ICC exam catalog.

[Check current ICC exam information](#)

A practical first pass

1. Read the question and mark the keyword that will guide your search.
2. Find the controlling code provision before selecting one of the four choices.
3. Record the code section and your answer.
4. After completing the set, compare your choices with the separate answer key.
5. Revisit every missed or guessed answer and read the full section, including conditions, exceptions and table notes.

What this sample covers

Questions	Practice area
1-3	Administration and permits
4-6	Foundations and under-floor spaces
7-9	Floor and wall framing
10-12	Roof and ceiling construction
13-15	Egress and safety glazing
16-18	Flashing and fireblocking

This is a short practice set, not a complete exam simulation. Questions and references use the 2024 IRC and may differ from earlier editions. Use the cited section to study the full provision; the answer key is not a substitute for the code book.

Practice questions

Administration and permits

B1 • 2024 IRC | Select one answer for each question.

01. Where an emergency exists, the building official is:

- A. required to obtain board approval before stopping work
- B. not required to give written notice prior to stopping the work
- C. required to wait until the next business day to issue the order
- D. required to allow all work to continue except finish work

My answer: _____ Code section I found: _____

02. Which action requires application for and issuance of a permit?

- A. Painting interior walls
- B. Installing cabinets
- C. Changing the occupancy of a building or structure
- D. Installing playground equipment

My answer: _____ Code section I found: _____

03. The site plan submitted with the permit application must show:

- A. Only the project address and owner name
- B. Only the new building footprint
- C. Only the easements and utility service points
- D. The size and location of new construction and existing structures on the site, and distances from lot lines

My answer: _____ Code section I found: _____

Practice questions

Foundations and under-floor spaces

B1 • 2024 IRC | Select one answer for each question.

04. Drainage tile or perforated pipe shall be placed on not less than how much washed gravel or crushed rock?

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

My answer: _____ Code section I found: _____

05. Before a building is occupied or used for any purpose, under-floor wood forms used for placing concrete must be:

- A. removed
- B. left in place if dry
- C. treated with preservative
- D. covered with a vapor retarder

My answer: _____ Code section I found: _____

06. Retaining walls covered by the code provision shall be designed for a safety factor of:

- A. 1.0 against overturning only
- B. 1.25 against sliding only
- C. 1.5 against lateral sliding and overturning
- D. 2.0 against foundation pressure only

My answer: _____ Code section I found: _____

Practice questions

Floor and wall framing

B1 • 2024 IRC | Select one answer for each question.

07. Where posts and beam or girder construction is used to support floor framing, positive connections shall be provided to ensure against:

- A. uplift and lateral displacement
- B. shrinkage and deflection
- C. decay and corrosion
- D. twisting and splitting

My answer: _____ Code section I found: _____

08. Single-member headers shall be face nailed to the top and bottom of the header with 10d box nails spaced:

- A. 6 inches on center
- B. 8 inches on center
- C. 12 inches on center
- D. 16 inches on center

My answer: _____ Code section I found: _____

09. A stud in an exterior wall or bearing partition shall not be cut or notched to a depth exceeding what percentage of the stud depth?

- A. 20 percent
- B. 25 percent
- C. 40 percent
- D. 60 percent

My answer: _____ Code section I found: _____

Practice questions

Roof and ceiling construction

B1 • 2024 IRC | Select one answer for each question.

10. Ends of ceiling joists shall be lapped not less than:

- A. 1 inch
- B. 2 inches
- C. 3 inches
- D. 4 inches

My answer: _____ Code section I found: _____

11. Trusses shall be braced to prevent rotation and provide lateral stability in accordance with the requirements specified in the construction documents and:

- A. the roofing manufacturer's installation instructions
- B. the individual truss design drawings
- C. the certificate of occupancy
- D. the attic access detail only

My answer: _____ Code section I found: _____

12. Where ceiling joists are installed above the bottom third of the rafter height, the ridge shall be:

- A. doubled
- B. strapped
- C. designed as a beam
- D. blocked at each end

My answer: _____ Code section I found: _____

Practice questions

Egress and safety glazing

B1 • 2024 IRC | Select one answer for each question.

13. The required egress door for a dwelling unit shall provide a clear height of not less than:

- A. 78 inches
- B. 76 inches
- C. 80 inches
- D. 84 inches

My answer: _____ Code section I found: _____

14. Glazing in guards and railings, including structural baluster panels and nonstructural in-fill panels, is considered hazardous:

- A. only where the glazing area exceeds 9 square feet
- B. only where the glazing is more than 30 inches above a walking surface
- C. regardless of area or height above a walking surface
- D. only where the guard serves a stairway

My answer: _____ Code section I found: _____

15. Where the bottom of an emergency escape and rescue opening is below adjacent grade, the horizontal area of the area well shall be not less than:

- A. 9 square feet
- B. 8 square feet
- C. 6 square feet
- D. 12 square feet

My answer: _____ Code section I found: _____

Practice questions

Flashing and fireblocking

B1 • 2024 IRC | Select one answer for each question.

16. Approved corrosion-resistant flashing shall be installed where exterior porches, decks or stairs attach to a wall or floor assembly of:

- A. wood-frame construction
- B. steel-frame construction
- C. masonry construction
- D. insulated concrete form construction

My answer: _____ Code section I found: _____

17. Loose-fill insulation material shall not be used as a fireblock unless it has been:

- A. installed behind gypsum board
- B. approved by the contractor
- C. tested in the form and manner intended for use to demonstrate its ability to remain in place and retard the spread of fire and hot gases
- D. combined with unfaced fiberglass batts

My answer: _____ Code section I found: _____

18. Where flashing instructions or details are not provided for exterior window and door openings, what shall be installed at the sill?

- A. Weep screed
- B. Counterflashing
- C. Pan flashing
- D. Drip cap only

My answer: _____ Code section I found: _____

Answer key

Questions 1-9

Correct choice → code reference → suggested search path. All references below use the 2024 IRC.

#	Correct answer	Code reference / search path
1	B — not required to give written notice prior to stopping the work	Section R114.3 Index > stop work order > emergencies
2	C — Changing the occupancy of a building or structure	Section R105.1 Index > permits > required
3	D — The size and location of new construction and existing structures on the site, and distances from lot lines	Section R106.2 Index > plot plan; site plan
4	B — 2 inches	Section R405.1 Index > foundation drainage > gravel or crushed stone drains
5	A — removed	Section R408.5 Index > under-floor space > removal of debris
6	C — 1.5 against lateral sliding and overturning	Section R404.4 Index > retaining walls
7	A — uplift and lateral displacement	Section R502.9 Index > floor framing > fastening
8	C — 12 inches on center	Section R602.7.1 Index > headers > single member headers
9	B — 25 percent	Section R602.6, Item 1 Index > drilling and notching of studs

Question 9 tests the general stud-notching rule; the cited section also addresses an approved stud-shoe exception. Always read the full provision.

Answer key

Questions 10-18

Correct choice → code reference → suggested search path. All references below use the 2024 IRC.

#	Correct answer	Code reference / search path
10	C — 3 inches	Section R802.5.2.1 Index > ceiling joists > lapped
11	B — the individual truss design drawings	Section R802.10.3 Index > trusses > bracing
12	C — designed as a beam	Section R802.5.2 Index > ceiling joist and rafter connections
13	A — 78 inches	Section R318.2 Index > egress door
14	C — regardless of area or height above a walking surface	Section R324.4.4 Index > glazing > guards and railings
15	A — 9 square feet	Section R319.4.1 Index > emergency escape and rescue openings > area wells
16	A — wood-frame construction	Section R703.4, Item 5 Index > flashing > porches, decks or stairs
17	C — tested in the form and manner intended for use to demonstrate its ability to remain in place and retard the spread of fire and hot gases	Section R302.11.1.3 Index > fireblocking > loose-fill insulation
18	C — Pan flashing	Section R703.4.1 Index > flashing > exterior window and door openings

The code references and answers were checked against the 2024 IRC. Search paths are suggested navigation aids, not additional code requirements.

Build your next study session

Keep a short lookup log

Record the question number, the keyword you tried, the section that answered the question and the reason for a missed or slow answer. Begin your next session with those searches.

Question	Keyword / code section	What to practice next

Continue with the complete B1 guide

The full guide provides broader topic practice, mixed review, timed practice exams and referenced answer keys. Use it with your matching code book to practice accuracy first, then your lookup routine under time pressure. The digital PDF supports personal study; it does not guarantee a passing score.

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