



## CONTRACTORS STATE LICENSE BOARD LICENSE EXAMINATION STUDY GUIDE



### FRAMING AND ROUGH CARPENTRY (C-5)

#### Content of the Examination

The Framing and Rough Carpentry (C-5) Examination is divided into four major sections:

#### 1. Planning and Estimating (20%)

- Project planning
- Blueprints, specifications, and shop/field drawings
- Estimating
- Calculations

#### 2. Structural Framing (37%)

- Formwork
- Load and span
- Bracing
- Shear and diaphragm
- Structural hardware
- Wood and metal framing

#### 3. General Framing (21%)

- Flashing and weatherproofing
- Siding, roofing, and flooring
- Doors, windows, and stairs
- Fences, decks, porches, and gazebos
- Squaring and leveling
- Access and ventilation

#### 4. Safety (22%)

- Cal/OSHA requirements
- EPA and AQMD regulations
- Asbestos and environmental hazards
- Transportation and traffic control

*\*Percentages are approximate\**

#### Test Site Policy

This is a closed-book examination. No reference materials may be used during the examination. All materials brought to the examination site must be left in an unmonitored area at your own risk.

#### Test Strategy

This is a multiple-choice examination with four choices per question. Examination questions are written to provide only one BEST answer. Some questions require mathematical computation. A calculator will be provided.

There is no penalty for guessing. If you are unsure about a particular question, it is better to try to answer the question than to leave the question blank.

Plenty of time is provided to answer all examination questions, so be sure to read each question and its four choices completely and carefully before selecting the BEST possible answer to the question.

## Sample Questions

Below are three typical examination questions.  
The correct answer is underlined.

1. If a quoted price for framing lumber is \$800 per thousand board feet, what would be the cost of nine 2" x 8" x 10' pieces and one 2" x 12" x 10' piece?
  - a. \$97
  - b. \$107
  - c. \$112
  - d. \$118
2. In commercial framing, where is backing required?
  - a. At fire walls
  - b. Behind grab bars
  - c. Behind ceiling joists
  - d. Around electrical outlets
3. Three primary factors determine the size and the type of rafter to use in construction. Two of these are the distance spanned and the weight supported. What is the third factor?
  - a. The spacing of the rafters
  - b. The spacing of joists
  - c. The type of sheathing to be used
  - d. The height of the wall

*\*All questions are written and reviewed by licensed contractors who are actively working in the trade\**

---

## Resources

*Publisher information for reference books and code is provided below. Other sources for reference books may be found online. **California code books can be viewed online: [www.dgs.ca.gov/bsc](http://www.dgs.ca.gov/bsc)***

**2019 California Building Code.** California Code of Regulations, Title 24. International Code Council.  
PHONE: (800) 786-4452  
INTERNET: [www.iccsafe.org](http://www.iccsafe.org)

**2019 California Residential Code.** California Code of Regulations, Title 24. International Code Council.  
PHONE: (800) 786-4452  
INTERNET: [www.iccsafe.org](http://www.iccsafe.org)

**Complete Book of Framing: An Illustrated Guide for Residential Construction.** Wiley.

PHONE: (877) 762-2974

INTERNET: [www.wiley.com](http://www.wiley.com)

**Modern Carpentry.** Goodheart-Willcox.

PHONE: (800) 323-0440

INTERNET: [www.g-w.com](http://www.g-w.com)

**State of California General Industry & Electrical Safety Orders (Cal/OSHA) and State of California Construction & Electrical Safety Orders (Cal/OSHA). 2019.** California Code of Regulations, Title 8. Mancomm.

PHONE: (877) 626-2666

INTERNET: [www.mancomm.com](http://www.mancomm.com)

VIEW ONLINE:

[www.dir.ca.gov/dosh/LawsAndRegulations.htm](http://www.dir.ca.gov/dosh/LawsAndRegulations.htm)

*\*Publisher information is current as of 9/19\**