



## CONTRACTORS STATE LICENSE BOARD LICENSE EXAMINATION STUDY GUIDE



### ROOFING (C-39)

#### Content of the Examination

The Roofing (C-39) Examination is divided into five major sections:

#### 1. Planning and Estimation (21%)

- Planning roof projects
- Estimating roof projects

#### 2. Job Site Preparation for Roof Projects (10%)

- Protecting surroundings
- Correcting problems
- Tearing off existing roofing

#### 3. Low-Slope Roof Projects (20%)

- Installing flashings, ventilation and underlayment
- Installing various low-slop roof systems
- Repairing low-slope roof systems

#### 4. Steep-Slope Roof Projects (28%)

- Installing flashings, ventilation and underlayment
- Installing various steep-slope roof systems
- Repairing steep-slope roof systems

#### 5. Safety (21%)

- Personnel safety
- Job site safety

*\*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 flat rectangular roof measures 16' x 31", how many squares of roof covering are required?
  - a. 5
  - b. 15
  - c. 25
  - d. 50
  
2. How should rigid insulation and shingles be installed on a pitched roof?
  - a. Nail the shingles with straw nails.
  - b. Install insulation using two-part adhesive.
  - c. Install sheeting between the two layers.
  - d. Install two layers of heavy underlayment.
  
3. Which of the following needs to be removed when installing spray foam (SPF) roofing over a built-up roof with aggregate?
  - a. Only the air conditioning units
  - b. Only the walk pads
  - c. The entire roof system
  - d. Only the gravel/rock

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

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## 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.bsc.ca.gov](http://www.bsc.ca.gov)***

**2016 Building Energy Efficiency Standards for Residential and Nonresidential Buildings.** (Title 24 "cool roofs") California Energy Commission.  
PHONE: (916) 654-5200  
INTERNET: [www.energy.ca.gov/title24](http://www.energy.ca.gov/title24)

**2016 California Building Code.** California Code of Regulations, Title 24. International Code Council.  
PHONE: (800) 786-4452  
INTERNET: [www.iccsafe.org](http://www.iccsafe.org)

**Concrete and Clay Tile Installation Manual for Moderate Climate Regions.** Tile Roofing Institute.  
PHONE: (425) 778-6162  
INTERNET: [www.tilerroofing.org](http://www.tilerroofing.org)

**NRCA/ARMA Manual of Roof Maintenance and Repair and NRCA/ARMA Repair Manual for Low-Slope Membrane Roof Systems.** Asphalt Roofing Manufacturers Association.  
PHONE: (202) 207-0917  
INTERNET: [www.asphaltroofing.org](http://www.asphaltroofing.org)

**NRCA Roofing Manual: Architectural Metal Flashing, Condensation Control and Reroofing (2014).**

**NRCA Roofing Manual: Membrane Roof Systems (2015).**

**NRCA Roofing Manual: Metal Panel and SPF Roof Systems (2016).**

**NRCA Roofing Manual: Steep-Slope Roof Systems (2017).**

National Roofing Contractors Association.  
PHONE: (847) 299-9070  
INTERNET: [www.nrca.net](http://www.nrca.net)

**State of California General Industry & Electrical Safety Orders (Cal/OSHA) and State of California Construction & Electrical Safety Orders (Cal/OSHA). 2015.** California Code of Regulations, Title 8. Mancomm.  
PHONE: (877) 626-2666  
INTERNET: [www.mancomm.com](http://www.mancomm.com)

**WSRCA Roofing Details Manual.** Western States Roofing Contractors Association.  
PHONE: (800) 725-0333  
INTERNET: [www.wsrca.com](http://www.wsrca.com)

*\*Publisher information is current as of 1/17\**