



## CONTRACTORS STATE LICENSE BOARD LICENSE EXAMINATION STUDY GUIDE



### ELEVATOR (C-11)

#### Content of the Examination

The Elevator (C-11) Examination is divided into six major sections:

#### 1. Planning and Estimation (11%)

- Plan conveyance projects
- Estimate conveyance projects

#### 2. Project Preparation (5%)

- Preliminary set-up and permitting

#### 3. Install and Modernize Elevators, Dumbwaiters, and Lifts (22%)

- Disassembly and removal
- Installation of equipment in hoistways, pits, and machine rooms
- Install finishes
- Electrical adjusting and testing

#### 4. Install and Modernize Escalators and Moving Walks (5%)

- Removal, assembly, and installation
- Electrical adjusting and testing

#### 5. Conveyance Repair, Maintenance, and Service (35%)

- Maintenance of elevators, dumbwaiters, lifts, escalators, and moving walks
- Service/trouble calls for elevators, dumbwaiters, lifts, escalators, and moving walks
- Repair of elevators, dumbwaiters, lifts, escalators, and moving walks

#### 6. Safety (22%)

- Employee 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. Towards which jamb does a single-slide door close?
  - a. Head
  - b. Close
  - c. Strike
  - d. Return
  
2. What is the MAXIMUM horizontal clearance on the rear of a new elevator car top without guardrails?
  - a. 36"
  - b. 24"
  - c. 18"
  - d. 12"
  
3. What visual contrast between the comb and step is required on an escalator?
  - a. Color and pattern
  - b. Color, pattern, and mesh
  - c. Color, pattern, or texture
  - d. Color, pattern, and texture

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

**2016 Electrical Code.** California Code of Regulations, Title 24. BNI Publications, Inc.  
PHONE: (888) 264-2665  
INTERNET: [www.bni-books.com](http://www.bni-books.com)

**ASME A17.1 Safety Code for Elevators and Escalators. 2004.** The American Society of Mechanical Engineers.  
PHONE: (800) 843-2763  
INTERNET: [www.asme.org](http://www.asme.org)

**ASME A17.2 Guide for Inspection of Elevators, Escalators, and Moving Walks. 2012.** The American Society of Mechanical Engineers.  
PHONE: (800) 843-2763  
INTERNET: [www.asme.org](http://www.asme.org)

**ASME A18.1 Safety Standard for Platform Lifts and Stairway Chairlifts. 2003.** The American Society of Mechanical Engineers.  
PHONE: (800) 843-2763  
INTERNET: [www.asme.org](http://www.asme.org)

**Elevator Industry Field Employees' Safety Handbook.**  
Elevator World, Inc.  
PHONE: (251) 479-4514  
INTERNET:  
[www.safety.elevatorworld.com/handbook.php](http://www.safety.elevatorworld.com/handbook.php)

**Elevator Safety Orders.** Title 8, Division 1, Chapter 4, Subchapter 6.  
Barclays Official California Code of Regulations.  
PHONE: (800) 888-3600  
INTERNET: [www.barclaysccr.com](http://www.barclaysccr.com)  
VIEW ONLINE: [www.dir.ca.gov/title8/sub6.html](http://www.dir.ca.gov/title8/sub6.html)

**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)

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