



## CONTRACTORS STATE LICENSE BOARD LICENSE EXAMINATION STUDY GUIDE



### ELEVATOR (C-11)

#### Content of the Examination

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

#### 1. Planning and Estimating (25%)

- Plan conveyance projects
- Estimate conveyance projects
- Preliminary setup and permitting

#### 2. Elevator, Dumbwaiter, and Lift Installation (29%)

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

#### 3. Escalator and Moving Walkway Installation (5%)

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

#### 4. Conveyance Repair, Maintenance, and Modernization (23%)

- 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

#### 5. Safety (18%)

- Employee safety
- Job site safety

*\*Percentages are approximate\**

#### Test Policy

This is a closed-book examination. No reference materials may be used during the examination.

#### 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 marked with an asterisk (\*).

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. Comb-step impact devices cause the power circuit for an escalator driving-machine motor and brake to open if which of the following occurs?
  - a. The comb plate has broken sections.
  - b. The comb plate is removed.
  - c. The floor plate weight capacity is exceeded.
  - d. A sufficient vertical force is applied.\*

*\*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)**

**2022 California Building Code.** California Code of Regulations, Title 24. International Code Council.  
PHONE: (800) 786-4452  
INTERNET: [www.iccsafe.org](http://www.iccsafe.org)

**2022 California Electrical Code.** California Code of Regulations, Title 24. BNI Publications, Inc.  
PHONE: (888) 264-2665  
INTERNET: [www.bnibooks.com](http://www.bnibooks.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: (855) 999-9870  
INTERNET: [www.techstreet.com](http://www.techstreet.com)

**Elevator Industry Field Employees' Safety Handbook. 2015.** Elevator World, Inc.  
PHONE: (251) 479-4514  
INTERNET: [elevatorbooks.com](http://elevatorbooks.com)

**Elevator Safety Orders.** Title 8, Division 1, Chapter 4, Subchapter 6. California Code of Regulations.  
PHONE: (800) 888-3600  
INTERNET: [oal.ca.gov/publications/ccr/](http://oal.ca.gov/publications/ccr/)  
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). 2023.** 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 1/23\**