



CONTRACTORS STATE LICENSE BOARD LICENSE EXAMINATION STUDY GUIDE



INSULATION AND ACOUSTICAL (C-2)

Content of the Examination

The Insulation and Acoustical (C-2) Examination is divided into four major sections:

1. Planning and Estimating (29%)

- Review plans and specifications
- Evaluate job sites
- Estimate material quantities and costs

2. Acoustical (16%)

- Ceiling grids
- Acoustical tile and wall panels
- Seismic requirements

3. Insulation (28%)

- Site preparation and blown-in applications
- Insulation preparation
- Insulation installation

4. Safety (27%)

- Personnel 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. What is the BEST tool to use to locate wood framing in a wall system for a retrofit insulation job?
 - a. A plumb bob
 - b. A stud finder*
 - c. A tape measure
 - d. A rubber hammer

2. What length of ceiling wire should be installed for a 10-foot suspended ceiling if the roof deck is at 20 feet?
 - a. 20'
 - b. 16'
 - c. 12'*
 - d. 10'

3. A contractor is bidding on a job for a 30'-high, 60' x 100' metal building. It will be insulated with rigid board in both the ceiling and walls at a cost of \$1.10/sq. ft. How much should be budgeted for insulation costs, assuming 5% waste?
 - a. \$11,088
 - b. \$13,860
 - c. \$17,160
 - d. \$18,018*

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

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

ASTM E580/E580M-22 Standard Practice for Installation of Ceiling Suspension Systems for Acoustical Tile and Lay-in Panels in Areas Subject to Earthquake Ground Motions.

PHONE: (877) 909-2786
INTERNET: www.astm.org

Ceiling Systems Handbook. Ceilings & Interior Systems Construction Association.
PHONE: (630) 584-1919
INTERNET: www.cisca.org

Insulate and Weatherize. Bruce Harley. Taunton Store.
PHONE: (866) 325-2495
INTERNET: www.tauntonstore.com

Insulation Handbook. Richard T. Bynum Jr. McGraw-Hill Professional.
PHONE: (877) 833-5524
INTERNET: www.mhprofessional.com

IR 25-2.17 Metal Suspension Systems for Lay-in Panel Ceilings: 2017 CBC. California Department of General Services, Division of the State Architect.
PHONE: (916) 445-8100
VIEW ONLINE:
www.dgs.ca.gov/DSA/Publications

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
VIEW ONLINE:
www.dir.ca.gov/dosh/LawsAndRegulations.htm

Publisher information is current as of 4/23