



CONTRACTORS STATE LICENSE BOARD LICENSE EXAMINATION STUDY GUIDE



SHEET METAL (C-43)

Content of the Examination

The Sheet Metal (C-43) Examination is divided into four major sections:

1. Planning and Estimating (25%)

- Reviewing project plans
- Evaluating job sites
- Designing sheet metal projects
- Cost calculations

2. Fabrication (26%)

- Layout and pattern production
- Processing sheet metal
- Welding, soldering, and mechanical assembly

3. Installation (28%)

- Setting sheet metal components
- Gutters and downspouts
- Flashings
- Hoods and exhaust
- Metal roofs, siding, and paneling
- Specialty and miscellaneous items

4. Safety (21%)

- Personnel safety
- Shop and job site safety
- Hoisting and rigging operations

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 marked with an asterisk (*).

1. How many 4' x 10' sheets of metal are needed to fabricate 300' of gutter with a stretch-out of 13"?
 - a. 8 sheets
 - b. 10 sheets*
 - c. 15 sheets
 - d. 20 sheets

2. Which tool is used to attach an end cap on a 5" ogee rain gutter?
 - a. A hand seamer
 - b. A crimper
 - c. A snap lock punch*
 - d. A caulk gun

3. When fabricating a downspout with a cornice brake, what type of seam should be used?
 - a. A butt seam
 - b. A standing seam
 - c. A lap seam
 - d. A lock seam*

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

2019 California Mechanical Code. California Code of Regulations, Title 24. International Association of Plumbing and Mechanical Officials (IAPMO).
PHONE: (909) 472-4100
INTERNET: www.iapmo.org

Architectural Sheet Metal Manual. Sheet Metal and Air Conditioning Contractors' National Association (SMACNA).
PHONE: (703) 803-2980
INTERNET: www.smacna.org

HVAC Duct Construction Standards - Metal and Flexible. Sheet Metal and Air Conditioning Contractors' National Association (SMACNA).
PHONE: (703) 803-2980
INTERNET: www.smacna.org

State of California General Industry & Electrical Safety Orders (Cal/OSHA) and State of California Construction & Electrical Safety Orders (Cal/OSHA). 2022. 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 3/22