



## CONTRACTORS STATE LICENSE BOARD LICENSE EXAMINATION STUDY GUIDE



### ORNAMENTAL METAL (C-23)

#### Content of the Examination

The Ornamental Metal (C-23) Examination is divided into five major sections:

##### 1. Planning and Estimating (23%)

- Reviewing project information
- Designing ornamental metal products
- Evaluating job sites
- Preparing for fabrication
- Calculating costs

##### 2. Fabrication (21%)

- Cutting metals
- Building jigs
- Forming metals
- Welding and mechanical applications

##### 3. Installation (20%)

- Digging postholes and installing posts
- Fences, railings, and gates
- Staircases, stringers, and treads
- Miscellaneous products

##### 4. Finishes and Repairs (14%)

- Preparation and application
- Inspecting and repairing

##### 5. Safety (22%)

- Personnel safety
- Job site safety
- Loading and transporting material

*\*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 type of portable drill is preferred when drilling heavy-gauged steel in the field?
  - a. A radial drill with a 1/2" chuck capability
  - b. A drill press with a 5/8" chuck capability
  - c. A magnetic drill\*
  - d. A core drill
2. If the shipping price is \$0.20 per lb. and the price of steel is \$0.60 per lb., what is the total cost to purchase 120 LF of 1-1/2" x 1-1/2" x 0.090" of steel tubing? (Assume 1.75 lb. per LF of steel tubing.)
  - a. \$210
  - b. \$168\*
  - c. \$126
  - d. \$96
3. What is the MOST important purpose of inspecting a pneumatic cutting chisel before use?
  - a. To check the sharpness of the chisel
  - b. To determine the hardness of the chisel
  - c. To verify the point angle
  - d. To check for cracks in the chisel\*

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

**AWS A3.0 Standard Welding Terms and Definitions.** American Welding Society.  
PHONE: (800) 443-9353  
INTERNET: [www.aws.org](http://www.aws.org)

**California Commercial Driver Handbook.** Department of Motor Vehicles.  
PHONE: (800) 777-0133  
INTERNET: [www.dmv.ca.gov](http://www.dmv.ca.gov)

**California Vehicle Code.** Department of Motor Vehicles.  
INTERNET:  
[leginfo.legislature.ca.gov/faces/codes.xhtml](http://leginfo.legislature.ca.gov/faces/codes.xhtml)

**Modern Welding.** Goodheart-Willcox.  
PHONE: (800) 323-0440  
INTERNET: [www.g-w.com](http://www.g-w.com)

**State of California General Industry & Electrical Safety Orders (Cal/OSHA) and State of California Construction & Electrical Safety Orders (Cal/OSHA). 2025.** California Code of Regulations, Title 8. Mancomm.  
PHONE: (877) 626-2666  
INTERNET: [mancomm.com](http://mancomm.com)  
VIEW ONLINE:  
[www.dir.ca.gov/dosh/LawsAndRegulations.htm](http://www.dir.ca.gov/dosh/LawsAndRegulations.htm)

**Welding Handbook, Volume 2 - Part 1: Welding Processes.** American Welding Society.  
PHONE: (800) 443-9353  
INTERNET: [www.aws.org](http://www.aws.org)

*\*Publisher information is current as of 9/24\**