



CONTRACTORS STATE LICENSE BOARD LICENSE EXAMINATION STUDY GUIDE



REINFORCING STEEL (C-50)

Content of the Examination

The Reinforcing Steel (C-50) Examination is divided into five major sections:

1. Planning and Estimating (29%)

- Plans and specifications
- Types and grades of reinforcing steel
- Determining quantities of materials
- Estimating costs

2. Fabrication (10%)

- Preparation
- Fabrication

3. Layout and Placement of Reinforcing Steel (18%)

- Placing marks
- Setting templates
- Setting bar supports
- Placing and tying reinforcing steel

4. Post-Tensioned Cables and Specialty Projects (19%)

- Layout and placement of cables
- Stressing cables
- Placing reinforcing steel in special locations

5. Safety (24%)

- Personnel safety
- Equipment and 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. An estimator has figured that a project will require 135,000 pounds of rebar. At a rate of 15,000 pounds of rebar placed per case of tie wire, with 20 rolls of tie wire per case at \$2.35 per roll, what will the total cost of the tie wire be?
 - a. \$47
 - b. \$423*
 - c. \$846
 - d. \$1,763
2. When using the pull-through method for placing post-tensioning tendons, which of the following must be installed before the concrete placement?
 - a. Thin wall tubing*
 - b. Sheathing
 - c. Anchors
 - d. Tendons
3. Which of the following is the BEST way to store reinforcing bars to keep them away from mud or standing water?
 - a. Covered with canvas
 - b. Covered with plastic
 - c. On plastic sheets
 - d. On timbers*

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

Construction and Maintenance Manual for Post-Tensioned Slab-on-Ground Foundations.

Post-Tensioning Institute.

PHONE: (248) 848-3180

INTERNET: www.post-tensioning.org

Manual of Standard Practice. Concrete Reinforcing Steel Institute.

PHONE: (847) 517-1200

INTERNET: www.crsi.org

Placing Reinforcing Bars. Concrete Reinforcing Steel Institute.

PHONE: (847) 517-1200

INTERNET: www.crsi.org

Post-Tensioning Manual. Post-Tensioning Institute.

PHONE: (248) 848-3180

INTERNET: www.post-tensioning.org

State of California General Industry & Electrical Safety Orders (Cal/OSHA) and State of California Construction & Electrical Safety Orders (Cal/OSHA). 2024. California Code of Regulations, Title 8. Mancomm.

PHONE: (877) 626-2666

INTERNET: mancomm.com

VIEW ONLINE:

www.dir.ca.gov/dosh/LawsAndRegulations.htm

Publisher information is current as of 6/24