

A-11 Steel and Aluminum Erection (Commercial)

C-17 Structural Steel and Aluminum (Residential)

Exam Number: 030630
Effective Date: 08/18/08

License Information

A-11 Steel and Aluminum Erection Scope – Field fabrication, erection, repair, and alteration of architectural and structural steel and aluminum materials common to the industry, including field layout, cutting, assembly and erection by welding, bolting, wire tying or riveting.

C-17 Structural Steel and Aluminum Scope – Installation and repair of architectural and structural shapes and members common to the industry, including reinforcing steel that may be used as structural members for buildings, equipment, and structures. This scope includes all C-17R subclassifications. Steel Floor, Sub Floor and Form Systems, Welding, Ornamental Metals, Tanks, Recreational Equipment, Rebar, Post Tensioning and Wire Mesh.

The trade test is considered equivalent for these classifications and upon passing the CBME and trade exam, either license classification may be applied for without further testing.

Examination Outline

Closed Book

80 Questions - Four-hour time limit

70% Correct required to pass

Exam Topic	%
Erection	33
Hoisting and Rigging	24
Materials	17
Cutting and Welding	16
Safety	10

References

The following references were used to create exam questions but **are not allowed** in the testing center.

1. *ASME B30.5 - 2004: Mobile and Locomotive Cranes*, 2004, American Society of Mechanical Engineers (ASME), 22 Law Drive, P.O. Box 2350, Fairfield, NJ 07007-2350, www.asme.org.
2. *Construction Materials and Processes*, Third Edition, 1986, McGraw-Hill Publishing, Inc., P.O. Box 182604, Columbus, OH 43272, books.mcgraw-hill.com.

3. *Handbook of Rigging: For Construction and Industrial Operations*, Fourth Edition, 1988, McGraw-Hill Publishing, Inc., P.O. Box 182604, Columbus, OH 43272, books.mcgraw-hill.com.
4. *International Building Code*, 2006, International Code Council (ICC), 4051 West Flossmoor Road, Country Club Hills, IL 60478-5795, www.iccsafe.org.
5. *Modern Welding*, 2004 Edition, Goodheart-Willcox Company, Inc., 18604 West Creek Drive, Tinley Park, IL 60477-6243, www.g-w.com.
6. *Principles and Practices of Commercial Construction*, Eighth Edition, 2008, Prentice Hall/Pearson Education, Order Processing Center, P.O. Box 11071, Des Moines, IA 50336-0693, vig.prenhall.com.
7. *State of Arizona OSHA, Safety and Health Standards for the Construction Industry (29 CFR Part 1926)*, 2007, Arizona Industrial Commission, Division of Occupational Safety & Health, Industrial Commission of Arizona, P.O. Box 19070, Phoenix, AZ 85005-9070, www.ica.state.az.us.
8. *Steel Construction Manual*, Thirteenth Edition, 2005, American Institute of Steel Construction, One East Wacker Drive, Suite 3100, Chicago, IL 60601-2001, www.aisc.org.
9. *Welding Skills*, Third Edition, 2004, American Technical Publishers (ATP), 1155 West 175th Street, Homewood, IL 60430-4600, www.go2atp.com.

For information on how to obtain exam references, please call toll-free 877.624.2562.

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