

ARIZONA REGISTRAR OF CONTRACTORS

CR-12 ELEVATORS (RESIDENTIAL/COMMERCIAL)

SCOPE OF WORK

This classification allows the licensee to install or repair, elevators, dumbwaiters, escalators, moving walks and ramps, and stage and orchestra lifts.

Examination	# of Questions	Minimum Passing Score	Time Allowed
CR-12	80	70%	210 Minutes

CONTENT OUTLINE

Subject Area	# of Items
Wire Rope	5
Clearance and Space Limits	8
Electrical	8
Testing and Inspection	5
Mechanical	7
Safety	6
Controls	4
Operating Limitations	4
Fire Service	3
Maintenance and Repairs	8
Escalators and Moving Walkways	5
Emergency Power	2
Accessibility Equipment	5
Dumbwaiters	2
Rigging and Hoisting	5
Welding	3

REFERENCE LIST

To find reference materials, you may use the link provided or search for the material online via a search engine such as Google. You may also go to PSI's online store at www.psiolinestore.com.

The reference material listed below was used to prepare the questions for this examination. The examination may also contain questions based on trade knowledge or general industry practices. Except for Code books, you can base your answers on later editions of references as they become available. For Code questions, the examinations will be based only on the edition of the Code book that is listed.

Candidates may use a silent, nonprinting, non-programmable calculator in the examination center.

The following reference material is allowed in the examination center:

Code of Federal Regulations - 29 CFR Part 1926 (OSHA), with latest available amendments, U.S. Government Printing Office, (866) 512-1800 or <https://www.osha.gov/laws-regs/regulations/standardnumber/1926>

OR

Code of Federal Regulations - 29 CFR Part 1926 Selections by PSI, with latest available amendments, 3210 E Tropicana, Las Vegas, NV 89121, (800) 733-9267, www.psiolinestore.com

National Electrical Code, 2017 edition, National Fire Protection Association, www.nfpa.org

ANSI A117.1 - Accessible and Usable Buildings and Facilities, 2009, American National Standards Institute, www.ansi.org

ASME A17.1 - Safety Code for Elevators and Escalators, 2007, American Society of Mechanical Engineers, www.asme.org

ASME A17.3: Safety Code for Existing Elevators and Escalators, 2011, American Society of Mechanical Engineers, www.asme.org

ASME A18.1 - Safety Standard for Platform Lifts and Stairway Chairlifts, 2008, American Society of Mechanical Engineers, www.asme.org

The following reference material is not allowed in the examination center:

Modern Welding, 2004 or 2013, Althouse/Turnquist/Bowditch/Bowditch, www.g-w.com

Elevator Maintenance, Zack McCain, 1999, Elevator World Inc., www.elevator-world.com

Elevator Industry Field Employees' Safety Handbook, 2010 or 2015, Elevator World Inc, www.elevator-world.com

Candidates are responsible for bringing their own references to the examination center. Reference materials may be highlighted, underlined, annotated and/or indexed prior to the examination session. However, references may not be written in during the examination session. Any candidate caught writing, highlighting, underlining and/or indexing in the references during the examination will be reported to the Arizona Registrar of Contractors. Furthermore, candidates are not permitted to bring in any additional papers (loose or attached) with their approved references. References may be tabbed/indexed with permanent tabs only. (permanent tabs are defined as tabs that would tear the page if removed). Temporary tabs, (defined as Post-It notes, or other tabs that may be removed without tearing the page) are not allowed and must be removed from the reference before the exam will begin. If you are downloading from the Internet, you may bring this reference into the testing center with you as long as it is bound. You can have it spiral bound or you may hole-punch it and put it in a binder.