

COMMONWEALTH OF VIRGINIA

COMMERCIAL BUILDING TECHNICAL CONTRACTOR EXAMINATION

EXPERIMENTAL ITEMS

Scope of Work: 18 VAC 50-22-20 of the Board for Contractors Rules and Regulations defines Commercial Building Contractors (Abbr: CBC) as those individuals whose contracts include “construction, remodeling, repair, improvement, removal, or demolition on real property owned, controlled, or leased by another person of commercial, industrial, institutional, governmental, and accessory use buildings or structures”. The CBC classification does not provide for electrical, plumbing, HVAC, or gas fitting services and does not allow construction, repair, or improvement, of dwellings and townhouses as defined in the USBC.

If the CBC performs specialty services, all required specialty designations shall be obtained. The commercial building classification includes but is not limited to the functions carried out by the following specialties:

- Billboard/sign contracting
- Commercial improvement contracting
- Concrete contracting
- Farm improvement contracting
- Industrialized building contracting
- Landscape service contracting
- Marine facility contracting
- Masonry contracting
- Painting and wallcovering contracting
- Recreational facility contracting
- Roofing contracting
- Swimming pool contracting

# of Questions	Minimum Passing Score	Time Allowed
80	70% (56 correct)	180 Minutes

CONTENT OUTLINE

Subject Area	# of Items
Site Work	8
Concrete including Reinforcement	9
Masonry	9
Metals	9
Carpentry	9
Thermal and Moisture Protection	8
Associated Trades Finishes including Drywall Metal Stud Framing Insulation and Moisture Control Doors, Windows, and Glazing	7
Safety	7
Estimating and Plan Reading	8
General Building Code Requirements Life Safety and Egress Accessibility Fire Protection Requirements General Code Provisions	6

In addition to the number of examination items specified in the “Examination Content Outline”, ten (10) “experimental” questions may be administered to candidates during the examinations. These questions will NOT be scored and time to answer them has been added to the time allowed. The administration of such unscored, experimental questions is an essential step in developing future licensing examinations.

80 Scored Questions - 160 Minutes
10 Experimental Questions - 20 Minutes

EXAMINATION REFERENCE MATERIAL

The following is a list of possible reference materials for the examination. The list is given to identify resources and does not constitute an endorsement by PSI or by the Virginia Department of Professional and Occupational Regulation.

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. You can use any edition of references and Code books as they become available.

However, for Code questions, the examination will be based only on the edition of the Code book that is listed.

NOTE: All examinations are open-book. You must bring your own references as they are not provided at the test site. No study guides are permitted.

No loose papers or unbound references are permitted. If you download a reference from the Internet, it must be spiral bound or hole-punched and placed in a binder or stapled in the left-hand corner.

References may be highlighted, underlined, and/or indexed prior to the exam. Reference materials containing any writing will not be allowed into the examination. You may not write in reference materials during the examination session. A candidate caught writing in the references during the examination will have the references confiscated and will be reported to the Department.

References may be tabbed with permanent tabs only. NO REMOVABLE TABS are allowed.

The following list of tabs may be used. These items may be purchased at local office supply stores.

Acceptable Tabs

- Avery Swift Tabs Self-Adhesive Permanent Plastic Tabs
- Redi-Tag Self-Stick Permanent Adhesive Index Tabs

Unacceptable Tabs

- Post-It Index Flags
- Post-It Flags

The URL listed for each reference is generated from the most current searches. However placement of material on websites may be modified resulting in some discrepancies. If you are

unable to find the reference under the URL listed, it is recommended that you search online via a search engine (i.e., Google).

- *Code of Federal Regulations - 29 CFR Part 1926 (OSHA)*, with latest available amendments, 866-512-1800, <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, 866-589-3088, <https://www.psionlinestore.com/29-cfr-part-1926-selections-2013/>

- *International Building Code*, 2018, International Code Council, (800) 786-4452, <https://shop.iccsafe.org>
- *Accessible and Usable Buildings and Facilities*, 2009, <https://codes.iccsafe.org/content/icca117-12009>
- *Technical Digest No. 9 - Handling and Erection of Steel Joists and Joist Girders*, 3rd Edition, 2008, Steel Joint Institute, <https://www.buildersbook.com/technical-digest-no-9-handling-and-erection-of-steel-joists-and-joist-girders.html>
- *Carpentry and Building Construction*, 2010 or 2016 (Student Edition), John L. Feirer and Mark D. Feirer, McGraw-Hill, <https://www.amazon.com/Carpentry-Building-Construction-Student-Feirer/dp/B006N1NRF0>
- *Gypsum Construction Handbook*, 2014 Edition, United States Gypsum Company (USG), Phone (800) 950-3839, <http://www.wiley.com/WileyCDA/WileyTitle/productCid-1118749847.html>
- *Placing Reinforcing Bars, Recommended Practices*, 2011, 9th Edition, Concrete Reinforcing Steel Institute, Distribution Center, 933 N. Plum Grove Road, Schaumburg, IL 60173, (847) 517-1200, <https://www.amazon.com/Placing-Reinforcing-Bars-9th-CRSI/dp/B005GR19C0>
- *The Contractor's Guide to Quality Concrete Construction*, 2005, 3rd Edition, American Concrete Institute, (248) 848-3700, <https://www.amazon.com/Contractors-Quality-Concrete-Construction-Edition/dp/0870311670>
- *Roofing Construction & Estimating*, Daniel Atcheson, 1995, Craftsman Book Company, (800) 829-8123, <https://www.amazon.com/Roofing-Construction-Estimating-Daniel-Atcheson/dp/1572180072>
- *Modern Masonry - Brick, Block, Stone*, Clois E. Kicklighter, 8th Edition, The Goodheart-Willcox Company, (800) 323-0440, <https://www.g-wonlinetextbooks.com/cdn-1539030543536/modern-masonry-2016/1>

- *SDI Manual of Construction with Steel Deck*, 2006, 2nd Edition, Steel Deck Institute, (847) 458-4647, <http://www.sdi.org/wp-content/uploads/2013/03/moc2.pdf>
- *Pipe and Excavation Contracting*, Dave Roberts, 2011, Craftsman Book Company, (800) 829-8123, <https://www.amazon.com/Pipe-Excavation-Contracting-Revised-Roberts/dp/1572182660>

Effective 1/18/25 you can use the 2018 or 2021 edition. Starting 5/1/25 the exam will be based on the 2021 edition.