

# West Virginia Contractor Licensing Board Candidate Information Bulletin



# FREQUENTLY ASKED QUESTIONS

- How do I register to test? To register and schedule for testing, go to <a href="https://www.provexam.com/register">https://www.provexam.com/register</a>. You may also call us at 866-720-7768. Click here for more information about registering.
- WHERE CAN I TEST? You may test at any one of Prov's testing centers throughout the United States. Click here for a current list of our West Virginia based testing centers. You may also test using Examroom, which is a "test at home" service. You can test Monday through Friday, 8 am until 10 pm using your own computer. To learn more, click here.
- 3. **How Much Does IT cost?** Exams costs **\$59.95** whether testing for the first time or retaking an exam.
- WHAT SHOULD I HAVE WITH ME ON TEST DAY? Make sure you have your valid Photo ID and any permitted reference manuals to use during testing.
- WHEN DO I GET MY TEST RESULTS? Exam results are available at the testing center once you complete your exam.
- 6. **ARE THERE ANY STUDY AIDS?** Yes, in our <u>bookstore</u> we sell practice examinations to help you prepare for your test.

**Note:** The ONLY books you can use while taking your test(s) are those books shown in this bulletin. Older books, such as those allowed by the State's prior testing vendor (i.e. those used before September 2024), are **no longer** allowed. If you appear for testing with the older books you will not be allowed to use them.

7. What is on the test? <u>Click here</u> for information about the available examinations. Please read through this bulletin completely for answers to your questions.

If you still have unanswered questions, you may contact us at the following:

For Licensing Questions -WV Contractor Licensing 1900 Kanawha Blvd East State Capitol Complex Building 3, Room 200 Charleston, WV 25305 Phone: 304-558-7890

Fax: 304-558-5174 Office Hours: 8 a.m. - 5 p.m. https://wvclboard.wv.gov/ For Testing Questions Prov

200 W Civic Center Drive
Suite 160
Sandy, Utah 84070
(866) 720-7768

www.provexam.com Call Center Hours: M-F 8 a.m. – Midnight ET

#### GENERAL TESTING INFORMATION

The West Virginia Contractor Licensing Board (Board), with administrative and enforcement assistance by the West Virginia Division of Labor, oversees the licensing process for contractors. The Board has contracted with Prov, Inc. to develop and administer its licensing examination program for contractors. This bulletin has been developed to help explain the rules and processes candidates will need to undertake to complete the testing requirement for their contractor license.

West Virginia law requires that each business operating in the construction industry be licensed. To become licensed, a company representative must demonstrate competency by passing the required exam(s) in the field of construction for which licensure is being sought. A company can have multiple qualifiers. However, backups are not allowed.

Board regulations require that qualifying individual(s) taking an exam be part of responsible management. or a full-time employee of the entity seeking licensure.

Prov is not authorized to make the determination of which examination(s) candidates must take. If a candidate is unsure which exam is needed for the license being sought, resolve this question before registering. If candidates have questions regarding which exam(s) to take, email the Board at clboard@wv.gov. If candidates take the wrong exam, the exam fee will not be refunded.

#### **EXAMS AND FEES**

All examinations for the State of West Virginia Contractor Licensing Board are delivered in computerized format. All examinations cost **\$59.95** each, whether taking for the first time or retaking. The following are available exams:

- Business & Law\*
- Concrete Contractor
- Electrical Contractor
- Excavation Contractor
- General Building Contractor
- General Engineering Contractor
- Heating, Ventilating & Cooling Contractor
- Manufactured Home Installation Contractor
- Masonry Contractor
- Multifamily Contractor
- Piping Contractor
- Plumbing Contractor
- Remodeling & Repair Contractor
- Residential Contractor
- Sprinklers & Fire Protection Contractor
- Steel Erection Contractor
- Utilities (Water & Sewer) Contractor

\*Note: Those seeking licensure as a contractor are required to pass the Business and Law exam in addition to the trade exams, if applicable.

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#### TESTING WITH PROV

Your exam will be administered by computer or paper/pencil at one of Prov's testing centers. Prov's computer testing system is easy to use and requires no specific computer experience to take the test.

The following link will take you to a short video that demonstrates Prov's testing system: https://youtu.be/h3T9svnIdLY.

# WHERE TO TAKE YOUR EXAM

You may take your examination at any of Prov's testing facilities throughout the United States. Prov has four (4) West Virginia-based testing centers where candidates can take their examinations. These testing centers are located in the following cities:

- Charleston
- Martinsburg
- Morgantown
- Wheeling

You may also schedule to take your test at home using the Examroom.ai remote proctoring service.

# How to Schedule Online

1. To schedule your test, navigate to the following URL:

https://provexam.com/scheduler

- 2. Select SELF REGISTRATION.
- Use the Dropdown menu under "Select Certifying Body", and select:

# **West Virginia Contractor Licensing**

- 4. Under "Select a License/certificate", choose the license you are seeking.
- 5. Enter the following information into the fields that are provided.
  - Name (First and Last)
  - Social Security Number (SSN)
  - Street address
  - City, State, Postal Code
  - Email Address
  - Telephone Number

Then select the button labeled:

**Save Changes** 

6. Select a Date, Time, Location for your exam by selecting the link labeled:



- 7. Select the SCHEDULE hyperlink to check the calendar for the testing center.
- 8. Select a test **date** and **time** from the calendar that matches your schedule. Confirm your selected date and time, and select **Add to Cart.**
- 9. Proceed to payment. If you have provided an email address, the invoice for your exam payment will be automatically emailed to you.

If you have any problems with online scheduling, give us a call at (866) 720-7768.

# SCHEDULING BY PHONE

To schedule for an examination by phone, candidates should contact Prov at 866-720-7768. Prov's office is available for scheduling from 8 a.m. through midnight, Monday through Friday.

Candidates should be prepared to provide the Prov scheduling staff with their name, driver's license number and their address. Once Prov confirms the candidate's identity, Prov staff will search the database for the next available testing session at the candidate's preferred testing location and will provide candidates with any alternate locations that may be in close proximity to their address. Once candidates are scheduled, Prov staff will email them information regarding their testing schedule.

# **CANCEL/RESCHEDULING POLICY**

If you need to change or cancel their testing appointment, you must contact Prov at least **three (3) business days** prior to your scheduled test date. Rescheduling is free if Prov is notified by the deadline. You may change your testing appointment online or by contacting Prov by telephone.

If you fail to appear for their test or fail to cancel or reschedule your testing session by the close of business three days prior to their scheduled test date, you will forfeit your exam fees.

# PREPARING FOR YOUR EXAMS

The licensing examination that you will take has been designed to test what qualified individuals technicians should know as they work in the technical field. The test questions used on the examinations have been prepared and reviewed by a panel of qualified individuals and cover the wide range of topics individuals would normally encounter as a technician during regular work operations.

Prov recommends that you prepare for your exam by familiarizing yourself with the subject areas listed in each exam description. Additionally, familiarize yourself with the reference materials that are allowed during the examination. The more time you spend outside of the testing room studying, the less time you will need to spend in the testing room trying to location information.

You are encouraged to prepare our test materials by highlighting text or placing permanent tabs on important pages.

# Purchasing Reference Materials & Study Guides

When preparing the exams for the State of West Virginia, Prov identified the appropriate reference sources where the answers were to be located. Prov does not require that you bring in the references, but, the examinations are delivered in an **Open Book** format. Below the description of each examination have listed the various reference book's including the ISBNs for each book so that you may purchase them in advance of the test. We have also provided the number or percent of questions found in each book so that you may determine whether the use of the book justifies the associated cost.

Most reference books can be purchased by phone or online through the following companies. Shipping charges will apply. Brick and mortar locations are indicated, but candidates should call to verify that orders are ready for pickup. Many of the books for your examination are available from Prov using the following information.

#### Prov Bookstore

150 West Civic Center Drive, Suite 601 Sandy, Utah 84070

https://www.provexam.com/bookstore/

Toll Free: 866-720-7768

Books also available from the following book vendors.

• @ Home Prep, Inc.

900 East Hill Ave., Ste. 380, Knoxville, TN 37915 www.contractor-licensing.com 800-952-0910

AAA Construction School, Inc.

34 Arlington Road South, Jacksonville, FL 32216 www.aaaconstructionschool.com

800-741-7277 or 904-722-9994

American Contractors Exam Services
 737 Southern Hwy., Mineral Wells, WV 26150
 www.examprep.org

800-992-1910

Builder's Book Depot

1001 East Jefferson Rd., Ste., 5, Phoenix, AZ 85034

www.buildersbookdepot.com

800-284-3434 or 602-252-4050

International Code Council

900 Montclair Rd., Birmingham, AL 35213 4051 Flossmoor Rd., Country Club Hills, IL 60478 www.iccsafe.org

800-786-4452

My Pearson Bookstore

http://www.mypearsonstore.com

800-947-7700 (Opt. 5)

**North American Contractors Assoc.** 

www.infonaca.com

336-540-0149

If candidates need assistance in ordering any study materials, they may contact Prov by phone at 866-720-7768.

# TEST DAY RULES AND PROCEDURES

# Check-in Deadline

The doors to each testing center will open at least 15 minutes before all scheduled testing appointments in order to check candidates into the testing center. You should plan to arrive early to make sure you are seated by the time the testing begins. If you arrive late, AND the testing session has already begun, YOU WILL BE TURNED AWAY, will forfeit your exam fees, and will be required to reschedule for a future testing date.

# **Proof of Identity**

Upon arriving at the testing center, you will be required to show government-issued, photo-bearing identification. The photo-bearing ID must be current and valid. Forms of valid photo-bearing ID are a driver's license, passport, or military ID.

You will also be required to sign a test center log and will be photographed by the test center staff. If you cannot produce a valid government-issued photo ID, refuse to participate in signing the test center log, or refuse to be photographed, you will be dismissed from the testing center and forfeit all testing fees for that testing session.

If you do not have a photo ID, you may still present a valid State driver's license without a photo, a State ID card without a photo that is issued by the DMV, or a birth certificate.

# **Prohibited Items**

No cameras, recorders, cell phones or other communication devices are allowed in the testing room. Talking and smoking are not allowed in the testing room.

# Approved Items

You may bring the following approved items into the testing center:

- Pencils. (Paper/pencil testing only)
- Calculator. Only simple 4-function calculators are permitted. PDAs, tablets, cell phones or other special calculators are NOT permitted.
- Approved References. (Refer to the exam information for the specific references permitted for the exams)

# **Reference Material Rules**

All examinations are designed to allow you to use **authorized** references while taking their exams. For a list of what reference materials are authorized for the

exams, please refer to the exam description for the candidate's exam. All reference materials will be checked by the Prov test administrator prior to the candidates being permitted access to the testing room.

For all references, you are permitted to use any version (older or newer) of the same code or reference. Please know that the test will be based on the reference version shown in this bulletin. If there are conflicts between the current version and the different version, the exam will be scored based on the current version.

You should prepare your reference materials using ONLY the following methods.

- Highlighting
- Attaching permanent tabs

Reference materials which do not meet the following guidelines will not be allowed in the testing room.

These guidelines are in place to ensure that every candidate is tested fairly, and that no candidate has access to unapproved resources.

- Handwritten notes are NOT allowed in any portion of a reference book and will need to be erased prior to using the materials.
- Moveable tabs are NEVER permitted in a reference book.
- A reference book CANNOT contain Post-it notes.
- Photocopied documents CANNOT be added to a reference book.
- Photocopied versions of a reference book are NEVER permitted.
- Test preparation study guides are NOT approved references and are NOT permitted in the testing center; this includes practice examinations.

We ask that you leave all unauthorized materials in your car or vehicle. If you are caught using unauthorized materials during testing, these materials will be confiscated, your testing will be terminated with fees forfeited, and the Department will be notified of your dismissal from the exam. During the testing process you MAY NOT:

- Share reference materials during testing.
- Highlight, underline, mark or write any kind of information in their reference materials during testing.

# Visitor Policy

No one other than the candidate will be allowed in the testing room. Non-testing visitors are NOT permitted to wait in the lobby while candidates test.

# **Unethical Conduct Policy**

Any individual caught giving or receiving assistance during or after the examination, or caught using unauthorized materials during the examination will be reported directly to the Department. Those caught in the act of cheating will be dismissed from the examination and their testing results will be frozen. Furthermore, the candidate will forfeit the examination fees paid. Finally, anyone caught with test questions in their possession, either during or following the examination will be prosecuted by Prov for theft of copyrighted testing materials.

# **Candidate Civility Expectations**

We understand that taking a test can be stressful. Sometimes this stress may cause someone to visibly show their frustration during or after the testing event. While we understand the sources of the stress, we find any action that threatens our proctors or examiners to be unacceptable. If a candidate verbally or physically threatens or assaults any of our proctors or examiners, that candidate may be banned from testing for a time. The candidate's actions will be reported to the licensing board or agency. If any physical harm occurs, civil action may also be taken against the candidate.

# RESULTS REPORTING

Upon completion of an examination, your test will be scored, and you will be provided with a score result while at the testing center. There is no charge for the on-site scoring. The State will be notified of your results automatically. All exams will be scored and graded against a cut-score of 70%. Those achieving a score of 70% or higher will receive a passing grade on that exam.

# RETESTING POLICY

You may retake a failed examination as often as is necessary. There is no waiting period between testing attempts; you can schedule a new testing session for the first available testing date. You may not, however, retake an exam once you have received a passing score unless required by the State of West Virginia. Retake fees are the same as the original exam fees.

#### **REVIEWS**

Reviews are intended to help candidates audit their testing results by allowing them to see which questions were missed during testing.

You may request a review of your exam only after failing an exam category a minimum of two (2) times. To be eligible for a review, you must score within 10 points of the required 70% passing score. The review for all tests is 1-1/2 hours in length. The review will be conducted under the same testing conditions as the exam using the same test security rules. During the review candidates will be shown the questions they missed and will see the answer they gave during testing for each question. Candidates are allowed to use their review time to research the questions they missed to help them better understand the concepts.

The cost of the review is the same as the exam fees and based on when you wish to review your test. Candidates will request or schedule a review using the same methods described earlier for scheduling.

# EXAM CHALLENGE PROCESS

If during an exam or review, candidates encounter a question they think is inaccurate or otherwise incorrect, they are encouraged to submit an Exam Comment form to Prov detailing why they feel the question is in error.

Candidates testing on computer may make their comments in the testing system, while those taking a paper/pencil format exam may submit comments on a comment form that can be obtained from the test proctor at the testing center.

Candidates who are reviewing an exam will automatically be provided with an Exam Comment form.

Prov staff will review each comment within two weeks of receipt by Prov and will make scoring adjustments should any comment result in a change to a test question.

# HAND SCORE REQUEST

Prov ensures the accuracy of our exam results. Our computer system, is designed to identify and report any potential error in data collected from an exam

session. If you would like to have your score reassessed for accuracy, you can request a Hand Score by calling Prov at 1-866-720-7768 and asking for a Hand Score Request Form.

A Hand Score Request form requires a signature and must be mailed to Prov. Forms must be received by Prov no later than ninety (90) days after your examination administration date and must be accompanied by a copy of your original score letter.

Once a Hand Score is received, Prov Staff will process the request within seven (7) to ten (10) business days. During the Hand Score process a staff member will ensure that your answers were properly recorded and scored by comparing the captured answers to the exam key. Upon completion of the Hand Score we will provide a letter by mail to report the outcome of the reassessment.

The cost of the hand score is \$25.00 (includes tax).

# PROV'S NON-DISCRIMINATION STATEMENT

Prov provides equal access to its exams and testing programs for all eligible persons. Although individual jurisdictions that Prov represents are wholly responsible for determining eligibility of candidates, it is the policy of Prov to maintain an environment free of discrimination and to prohibit discrimination and harassment against any person on the basis of race, color, national origin, gender, religion, age, disability, political beliefs, sexual orientation, and veteran, marital or family status. Harassment of Prov program participants, proctors, staff or candidates will not be tolerated. If candidates wish to express concerns about discrimination, they should contact Prov at 866-720-7768 or write to: Prov, Inc., 150 W Civic Center Drive, Suite 601, Sandy, Utah 84070.

# SPECIAL ACCOMMODATIONS

Prov complies with the Americans with Disabilities Act (ADA) in providing special accommodations for candidates that require additional assistance during the testing process. If candidates feel that they qualify for a special accommodation during testing, they should contact Prov at (866) 720-7768. Prov will require written documentation from a licensed physician or psychologist documenting the disability and further require a request describing the requested remedy. Prov will then work directly with the candidates to make the accommodations they will need in order to complete their examination.

# SAMPLE TEST QUESTIONS

The following are sample questions that reflect the format and style of the questions found on exams.

- Employers are required to notify employees of changes in policies affecting all of the following EXCEPT:
  - a. Pay schedules.
  - b. Vacation allowance.
  - c. Health benefits.
  - d. Promotion opportunities.
- 2. The accounting method that recognizes income and expenses only when money is received or paid is called:
  - a. PCM Method.
  - b. Accrual Method.
  - c. Cash Method.
  - d. Cost-Comparison Method.
- 3. If 15 amp circuits were used, the NEC would require a 2000 square foot house to have a MINIMUM of how many branch circuits?
  - a. 2
  - b. 3
  - c. 4
  - d. 5
- Equipment that is electrically connected to a telecommunications network is required to be listed in accordance with section \_\_\_\_\_ of the NEC.
  - a. 110.16
  - b. 240.6
  - c. 800.18
  - d. Chapter 9, Table 5(A)
- 5. Duct systems installed in single family dwellings must be sized per
  - a. ACCA Manual D.
  - b. ACCA Manual J.
  - c. SMACNA Manual R.
  - d. SMACNA Manual N.
- 6. What is the recommended MAXIMUM spacing of nails when installing drywall on a ceiling?
  - a. 6" o.c.
  - b. 7" o.c.
  - c. 8" o.c.
  - d. 12" o.c.

- 7. Which of the following types of joint reinforcement is NOT used to tie connecting cavity walls and intersecting walls?
  - a. Z-tie
  - b. Box tie
  - c. Hardware cloth
  - d. Ladder type joint reinforcement
- 8. What is the recommended concrete cover over #6 steel reinforcing in areas exposed to the weather?
  - a. 3"
  - b. 2"
  - c. 1.5"
  - d. 1"

# Answers to Sample Questions

- 1. D Promotion opportunities.
- 2. C Cash Method.
- 3. C-4
- 4. C 800.18
- 5. A ACCA Manual D.
- 6. B 7" o.c.
- 7. D Ladder type joint reinforcement
- 8. B 2"

# **EXAM TEST SITE AVAILABILITY**

You may take the exams at any one of Prov's testing centers located in the United States including any of the four (4) testing locations within West Virginia. You can also take the exams at home using Prov's Examroom® service.

# What is Examroom?

Examroom is a remote test monitoring service that allows you to take the test on your own computer at your home. You schedule the test the same way you would an in-person testing site; by selecting your preferred test date and time. Then, on test day, you log into the Examroom website and request to start your exam. A test proctor will greet you over your computer, verify your identity, take your picture, and observe you throughout the testing process.

How to decide whether to use Examroom? Not every computer system is capable of taking a test on Examroom. The following are the MINIMUM requirements that your computer system would need in order to qualify to take the test using the Examroom service:

- Operating system on computer needs to be recent (less than 3-4 years old)
- Works on a MAC, PC, or Chromebook
- Need either a Chrome or Firefox browser (Chrome works best)
- Need a functioning computer web-camera and microphone
- Need a good consistent Internet connection capable of uploading files in excess of 3 Mbps

Please use the following link to do a system check **before you schedule** the exam to make sure your computer system will support testing using the Examroom Service.

# https://examroom.ai/systemtest/

When prompted "Permission to access camera and microphone", you must click "Allow".

If your system does not allow you to test at home, don't worry, we have some great testing locations that are not too far away.

Remote testing is offered as a convenience to you to help you take your test without having to travel. However, by choosing to test remotely, you are agreeing to abide by the following conditions:

- 1. You will need to be in a quiet, distraction free environment.
- 2. You need to be sitting at a table, desk, or counter.
- 3. Your table or desk needs to be completely clear of anything you are not permitted to use during testing; no papers, notes, nontesting books, practice exams, water bottles, drinks, food, etc.
- All non-testing electronic equipment needs to be removed from the room; 2<sup>nd</sup> monitors, calculators, additional cell phones, etc.
- 5. Your area under your table, desk, or chair needs to be clear of everything; blankets, pillows, papers, backpacks, boxes, etc.
- 6. Your work area needs to be obstruction free so that we can see you, your arms and hands, throughout the entire testing process.
- 7. You are not permitted to have anyone in the room with you, nor can you receive any aid from anyone during the test.

- 8. You are not permitted to access any other website during testing unless directed by the system to do so.
- If requested to download a special extension on your computer, you will not tamper with the extension or try to disable it while testing.

If you are unable to have a testing environment that meets these conditions, we may deny you the ability to test remotely, and we will reschedule you at one of our in-person testing center.

# **EXAM DESCRIPTIONS**

The following are descriptions of the licensing examinations offered on behalf of the West Virginia Contractor's Licensing Board. Please check with the State to determine which categories are necessary for the type of work you will perform.

Each description includes the number of questions per test, the time allowed, as well as a detailed description of the topics and numbers of questions per topic that will be included on your test. Following each description will be a list of the references Prov used to create each examination. You are permitted to bring in each of the listed references for your specific examination. Additionally, you are permitted to bring in older versions of each reference OR you may bring in the references related to the same examinations when provided by the prior testing vendor (until spring 2025). Please see the Alternate Book List at the end of this Candidate Bulletin for the list of additional books.

# **EXAMINATION DESCRIPTIONS**

The State of West Virginia requires all Contractors to take and pass the Business and Law exam in addition to the trade exams, if applicable. The following are descriptions of each of the possible exams administered on behalf of the Contractor Licensing Board.

#### **BUSINESS AND LAW**

This exam covers basic business management skills necessary to run a construction business. It also addresses the legal requirements of establishing a business including taxes, laws, and regulations governing construction.

Number of Questions	50
Time allowed (hours)	3
Subject Area	# Quest.
Business Organization	2
Contracts	8
Estimating and Bidding	4
Financial Management	5
Labor Law	8
Licensing	4
Lien Law	2
Project Management	6
Risk Management	3
Safety-OSHA	3
Tax Law	5

West Virginia Business and Law Study Guide for Contractors, 6th Edition, 6th edition, updated August 2024. Prov Bookstore, 150 W Civic Center Drive, Suite 601, Sandy, UT 84070. https://provexam.com/bookstore/ 100% of the questions come from this book

#### **CONCRETE**

"Concrete Contractor" means a contractor whose primary business is installation and repair of concrete, concrete reinforcing materials, concrete products and accessories common to the industry, including the forming, pouring, and finishing of concrete structures such as footings, foundations, slabs, basements, sidewalks and walkways, driveways and parking areas, fence footings, decorative concrete walls not to exceed four (4) feet in height and retaining walls not to exceed five (5) feet in height and the excavation incidental to the performance of that work.

Number of Questions	50
Time allowed (hours)	3
Subject Area	# Quest.
Plan Reading and Estimation	6
Properties of Concrete	4
Concrete Tools and Equipment	2
Formwork	6
Reinforcement of Concrete	8
Preparation for Placement	6
Placement and Finishing	6
Quality Control and Curing	4
Specialized Installations and Finishes	3
Concrete Safety	5

#### References

Concrete Construction Level 1, 2021. ISBN: 978-0-13-686828-6. Pearson, 501 Boylston Street, Suite 900, Boston, MA 02116. http://nccer.pearsonconstructionbooks.com/store/product.aspx?isbn =0136868282 https://provexam.com/bookstore/ 25% of the questions come from this book

**Concrete Construction Level 2**, 2021. ISBN: 978-0-13-689832-0. Pearson, 501 Boylston Street, Suite 900, Boston, MA 02116. http://nccer.pearsonconstructionbooks.com/store/product.aspx?isbn

=0136898327 https://provexam.com/bookstore/ 23% of the questions come from this book

Contractor's Guide to Quality Concrete Construction, 4th. ISBN: 9781641950473. American Concrete Institute, 38800 International Way, Country Club Dr, P.O. Box 9094, Farmington Hills, MI 48333. https://www.concrete.org/store/productdetail.aspx?ItemID=MNL519 & amp;Language=English&Units=US\_Units 43% of the questions come from this book

International Building Code, 2018. ISBN: 978-1-60983-735-8. International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478. Available at @iccsafe.org. https://provexam.com/bookstore/ 43% of the questions come from this book

# **ELECTRICAL**

Those who have the knowledge and skill to install, repair, alter, add to or change any electrical wires, fixtures, appliances, apparatus, raceways, conduit or any part thereof; which generates, transmits, transforms or utilizes electrical energy in any form for light, heat, power or communications, all in compliance with applicable plans, specifications, codes, laws and regulations.

Number of Questions	75
Time allowed (hours)	3

Subject Area	# Quest.
Communication Systems	3
Equipment for General Use	6
General Electrical Knowledge	12
Motors & Controls	5
Plan Reading	2
Special Conditions	4
Special Equipment	4
Special Occupancies	2
Wiring & Protection	17
Wiring Methods & Materials	20

#### References

American Electrician's Handbook, 17th Edition. ISBN: 978-1260457919. McGraw Hill Publishing Inc., P.O. Box 182604, Columbus, OH 43272. Available at https://www.mhprofessional.com/american-electricians-handbook-seventeenth-edition-9781260457919-usa 30% of the questions come from this book

NFPA 70 - National Electrical Code 2020, ISBN: 9781455922970. National Fire Protection Association, 1 Batterymarch Park, Quincy, MA 02169-7471. Available at www.nfpa.org. 70% of the questions come from this book

#### **EXCAVATION**

"Excavation Contractor" means a contractor whose primary business is the installation, alteration, and repair of earthen material by digging, trenching, grading, or compacting the material for a cut, fill, grade, or trench and work incidental to the undertaking, including the installation, alteration, and repair of crib walls, gabion walls, and other devices not to exceed six (6) feet in height for the purpose of controlling the movement of earthen materials.

Number of Questions	50
Time allowed (hours)	3
•	
Subject Area	# Quest.
General Knowledge	5
Survey & Layout	5
Excavation	5
Clearing & Grubbing	5
Dewatering	5
Grading	8
Safety	6
Estimating & Plan Reading	6
Equipment	5

International Building Code, 2018. ISBN: 978-1-60983-735-8. International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478. Available at @iccsafe.org. https://provexam.com/bookstore/18% of the questions come from this book

**Study Guide for Excavation Contractors**, 3rd edition, 2024. Pearson, 501 Boylston Street, Suite 900, Boston, MA 02116. Available at www.provbookstore.com **82%** of the questions come from this book

#### **GENERAL BUILDING**

"General Building Contractor" means a person whose principal business is in connection with any structures built, being built or to be built for the support, shelter and enclosure of persons, animals, chattels or movable property of any kind, requiring in the construction the use of more than two contractor classifications, or a person who supervises the whole or any part of the construction. A General Building Contractor is considered to be a commercial, business or industrial contractor. A General Building Contractor who desires to perform electrical, plumbing, heating, ventilating and cooling, piping, or general engineering contracting work as defined in this rule; shall obtain a license in those classifications. The General Building Contractor classification applies to work on both commercial and private properties.

Number of Questions	80
Time allowed (hours)	3
Subject Area	# Quest.
Plan Reading and Estimating	8
Sitework	8
Concrete	12
Masonry	8
Structural Steel	12
Carpentry	8
Roofing	4
Doors and Windows & Stairs	4
Interior Finish	4
Exterior Finish	4
Safety-OSHA	8

#### References

Concrete Construction Level 2, 2021. ISBN: 978-0-13-689832-0. Pearson, 501 Boylston Street, Suite 900, Boston, MA 02116.

http://nccer.pearsonconstructionbooks.com/store/product.aspx?isbn=01 36898327 https://provexam.com/bookstore/ 4% of the questions come from this book

International Building Code, 2018. ISBN: 978-1-60983-735-8. International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478. Available at @iccsafe.org. https://provexam.com/bookstore/64% of the questions come from this book

**Study Guide for Commercial Building Contractor**, 2024. Pearson, 501 Boylston Street, Suite 900, Boston, MA 02116. Available at https://provexam.com/bookstore/ **26%** of the questions come from this book

**Study Guide for Structural Steel**, 2012. ISBN: 978-1-269-08432-1. Pearson, 501 Boylston Street, Suite 900, Boston, MA 02116. Available at www.provbookstore.com **10%** of the questions come from this book

#### **GENERAL ENGINEERING**

"General Engineering Contractor" means a person whose principal business is in connection with public or private works projects, including, but not limited to, one or more of the following: irrigation, drainage and water supply projects; electrical generation projects; swimming pools; flood control; harbors; railroads; highways; tunnels; airports and airways; sewers and sewage disposal systems; bridges; inland waterways; pipelines for transmission of petroleum and other liquid or gaseous substances; refineries; chemical plants and other industrial plants requiring a specialized engineering knowledge and skill; piers and foundations; and structures or work incidental thereto. "Swimming pool" means a public swimming pool as defined by the Building Officials and Code Administrators B.O.C.A. National Building Code 1990, article 6, section 623.2.A.

Number of Questions Time allowed (hours)	80 3
Subject Area Sitework Excavation Foundation Concrete Steel Utilities Paving Safety-OSHA Estimating and Plan Reading	# Quest. 8 6 6 10 14 14 4 6 12

#### References

International Building Code, 2018. ISBN: 978-1-60983-735-8. International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478. Available at @iccsafe.org. https://provexam.com/bookstore/
29% of the questions come from this book

**WV General Engineering**, 2024. ISBN: 978-0-13778-405-9. Pearson, 501 Boylston Street, Suite 900, Boston, MA 02116. Available at www.provbookstore.com **71%** of the questions come from this book

#### **HVAC**

"Heating, Ventilating and Cooling Contractor" means a person who engages in the business of contracting to install, erect, repair, service or alter heating, ventilating and air conditioning equipment or systems to heat, cool or ventilate residential and commercial structures or work incidental to the installation or repair.

Number of Questions	80
Time allowed (hours)	3
Subject Area	# Quest.
General Knowledge	30
Load Calculations	6
Code Requirements	4
Controls	10
Ducting, Insulation	10
Piping	6
Safety - OSHA	4
Equipment	10

References

**HVAC Basics for Contractors**,3rd Edition, 3rd Edition. ISBN: 13:9781323725146. Pearson, 501 Boylston Street, Suite 900, Boston, MA 02116. Available at www.provbookstore.com. **14%** of the questions come from this book

International Mechanical Code 2021. International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478. Available at https://codes.iccsafe.org/ 70% of the questions come from this book

SMACNA-Residential Comfort System Installation Standards Manual, 2016. Sheet Metal and Air Conditioning Contractors National Association, 4201 Lafayette Center Drive, Chantilly, VA 20151-1209. 14% of the questions come from this book

#### MANUFACTURED HOME INSTALLATION

"Manufactured Home Installation Contractor" means a contractor engaged in the installation of manufactured homes, as that term is defined by W. Va. Code 21-9-1, including soil analysis, site preparation, construction of the foundation systems, placement of the manufactured home, connection of the utilities, anchoring, ground moisture control, and finish carpentry. Possession of this license is in addition to possession of any license required pursuant to W. VA. Code 21-9-1

Number of Questions	65
Time allowed (hours)	3
Subject Area	# Quest.
Anchors & Tie Downs	12
Connections	3
Footing & Foundations	12
Placement	3
Plan Reading & Estimating	3
Sitework	6
Skirting & Ventilation	8
Support & Leveling	12
Manufactured Home Administration	6

#### References

24CFR3285 Model Manufactured Home Installation Standards. (73 pages) Document can be printed out and used during testing. Must have a hardcopy of this document; will not be able to access online during testing. https://www.ecfr.gov/current/title-24/subtitle-B/chapter-XX/part-3285 83% of the questions come from this book

#### West Virginia Manufactured Housing Construction and Safety Standards

Act. WV - West Virginia Contractor's Licensing Board, 1900 Kanawha Blvd E, State Capitol Complex Bldg 3, Room 200, Charleston, WV 25305. Available at www.legis.state.wv.us/WVCODE/Code.cfm?chap=21&art=9. Chapter

21 Article 9 9% of the questions come from this book

#### **MASONRY**

"Masonry (specialty) Contractor" means a contractor whose primary business is the installation of brick, concrete block, stone, marble, slate or other units and products common to the masonry industry, with or without mortar and work incidental to the installation, including the installation of grout, caulking, tuck pointing, sand blasting, mortar washing, parging, cleaning, and welding of reinforcement steel related to masonry construction.

Number of Questions	50
Time allowed (hours)	3
Subject Area	# Quest.
Plan Reading and Estimating	5
Concrete Block	12
Brick	11
Stone	3
Glass Block	5
Mortar	6
Steel Reinforcement	3
Safety-CFR	5

#### References

International Building Code, 2021. International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478. https://codes.iccsafe.org/40% of the questions come from this book

**Study Guide for Masonry Contractors,** 2nd Edition, 2014. ISBN: 978-1-269-78558-7. Pearson, 501 Boylston Street, Suite 900, Boston, MA 02116. Available at www.provbookstore.com. **60%** of the questions come from this book

#### **MULTIFAMILY**

"Multifamily Contractor" means a person who is engaged in the construction, repair or improvement of a multifamily residential structure or work incidental to the construction, maintenance or repair. Multifamily residential structure means a structure containing two or more residential units.

Number of Questions	75
Time allowed (hours)	3
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Subject Area	# Quest.
Plan Reading	9
Sitework	6

Concrete	9
Masonry	8
Structural Steel	4
Carpentry	15
Roofing, Siding, and Insulation	6
Doors and Windows	6
Interior Finish	3
Safety-OSHA	6
Exterior Finishes	3

International Building Code, 2021. International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478. https://codes.iccsafe.org/76% of the questions come from this book

**Study Guide for Commercial Carpentry**, 2nd Edition, 2014. Pearson, 501 Boylston Street, Suite 900, Boston, MA 02116. **21%** of the questions come from this book

**Study Guide for Structural Steel,** 2012. ISBN: 978-1-269-08432-1. Pearson, 501 Boylston Street, Suite 900, Boston, MA 02116. Available at www.provbookstore.com **2%** of the questions come from this book

#### **PIPING**

"Piping Contractor" means a person whose principal business is the installation of process, power plant, air, oil, gasoline, chemical or other kinds of piping; and boilers and pressure vessels using joining methods of thread, weld, solvent weld or mechanical methods or work incidental to the installation

Number of Questions	50
Time allowed (hours)	3
Subject Area	# Quest.
General Regulations	20
Weld Pipe Fabrication	10
Underground Piping	8
Safety	6
Piping Systems	6

#### References

**Pipefitting Level Two**, 2019. Pearson, 501 Boylston Street, Suite 900, Boston, MA 02116. Available at http://nccer.pearsonconstructionbooks.com. 10% of the questions come from this book

**Pipefitting Level Three,** 2019. Pearson, 501 Boylston Street, Suite 900, Boston, MA 02116. Available at http://nccer.pearsonconstructionbooks.com. 42% of the questions come from this book

**Pipefitting Level Four,** 2019. Pearson, 501 Boylston Street, Suite 900, Boston, MA 02116. Available at http://nccer.pearsonconstructionbooks.com. **32%** of the questions come from this book

**Basic Safety.** ISBN: 9781323676189. Prentice Hall, P.O. Box 11071, Des Moines, IA 50336. Available at www.provbookstore.com. **10%** of the questions come from this book

#### **PLUMBING**

Master Plumber means a person whose principal business is the installation, maintenance, extension and alteration of piping, plumbing fixtures, plumbing appliances and plumbing appurtenances, venting systems and public or private water supply systems within or adjacent to any building or structure; including the installation of gas piping, chilled water piping in connection with refrigeration processes and comfort cooling, hot water piping in connection with building heating, piping for stand pipes or work incidental to the installation

Number of Questions	100
Time allowed (hours)	3
Subject Area	# Quest.
General Knowledge	10
Fixtures & Fittings	6
Storm Drainage	5
Fuel Gas Systems	10
Safety	7
Isometrics	13
Water Supply and Distribution	14
Water Heaters	7
Drain, Waste and Vent Systems	14
Plumbing Math	9
Plumbing Tools	5

#### References

International Fuel Gas Code - 2018. ISBN: 978-1-60983-741-9. International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478. available @iccsafe.org OR at https://provexam.com/bookstore/10% of the questions come from this book

International Plumbing Code 2018. ISBN: 978-1-60983-745-7. International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478. available @iccsafe.org OR at https://provexam.com/bookstore/ 53% of the questions come from this book

**Plumbing Basics for Contractors, 3rd Edition, 2014**. ISBN: 978-1-269-78624-9. Pearson, 501 Boylston Street, Suite 900, Boston, MA 02116. Available at www.provbookstore.com **37%** of the questions come from this book

# **REMODELING AND REPAIR**

"Remodeling and Repair" allows the license holder to engage in general remodeling, additions, and repairs to existing structures. This includes all rough and finish carpentry work, the installation of related hardware and accessories, and all minor repairs and replacements of pre-manufactured items. The scope of work is limited to projects where the cost does not exceed \$40,000.

Number of Questions	50
Time allowed (hours)	3
Subject Area	# Quest.
Planning and Estimating	5
Sitework	4
Concrete	5
Masonry	5
Carpentry	10
Roofing, Siding & Insulation	6

Doors & Windows & Stairs	5
Finishes	5
Safety	5

International Residential Code, 2018. International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478. Available @iccsafe.org OR at https://provexam.com/bookstore/ 56% of the questions come from this book

Masonry and Sitework for the Residential Contractor, 2nd edition, 2nd. ISBN: 978-1-269-78556-3. Pearson, 501 Boylston Street, Suite 900, Boston, MA 02116. Available at www.provbookstore.com 6% of the questions come from this book

**Study Guide for Residential Carpentry and Repair**, 2nd edition, 2014. ISBN: 978-1-269-78561-7. Pearson, 501 Boylston Street, Suite 900, Boston, MA 02116. Available at www.provbookstore.com **36%** of the questions come from this book

#### **RESIDENTIAL**

Number of Questions

"Residential Contractor" means a person whose principal business is in connection with the construction, repair or improvement of real property used as, or intended to be used for, residential occupancy or work incidental to the construction or repair. A Residential Contractor is considered licensed for all crafts required in the construction, repair or improvement of a residential structure, as that term is defined in subsection 3.33 of this rule, except those crafts for which local ordinance or state law other than W. VA. Code 21-11-1, et seq, require licensure, such as the electrician's license required by the office of the State Fire Marshall under the provisions of W. VA. Code 29-3b-1, et seq.

60

Number of Questions	00
Time allowed (hours)	3
Subject Area	# Quest.
Plan Reading	9
Sitework	6
Concrete	9
Masonry	9
Carpentry	15
Interior Finish	3
Exterior Finish	3
Safety OSHA	6

# References

International Residential Code, 2018. International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478. Available @iccsafe.org OR at https://provexam.com/bookstore/ 40% of the questions come from this book

Masonry and Sitework for the Residential Contractor, 2nd edition, 2nd. ISBN: 978-1-269-78556-3. Pearson, 501 Boylston Street, Suite 900, Boston, MA 02116. Available at www.provbookstore.com 25% of the questions come from this book

**Study Guide for Residential Carpentry and Repair**, 2nd edition, 2014. ISBN: 978-1-269-78561-7. Pearson, 501 Boylston Street, Suite 900,

Boston, MA 02116. Available at www.provbookstore.com **38%** of the questions come from this book

#### **SPRINKLERS & FIRE PROTECTION**

"Sprinklers and Fire Protection Contractor" means a contractor engaged in the installation, repair or maintenance of fire suppression systems, including water sprinkler and chemical systems, and work incidental to the installation or repair.

Number of Questions	80
Time allowed (hours)	3
Subject Area	# Quest.
Code and General Knowledge	8
Sprinkler Systems	36
Water Supply, Storage and Distribution	12
Materials and Methods	8
Private Hydrants and Stand Pipe Systems	8
Commercial Kitchen Equipment	8

#### References

NFPA 10 - Standard for Portable Fire Extinguishers, 2013. National Fire Protection Association, 1 Batterymarch Park, Quincy, MA 02169-7471. Available at www.nfpa.org. 3% of the questions come from this book

NFPA 13 - Standard for the Installation of Sprinkler Systems, 2013. National Fire Protection Association, 1 Batterymarch Park, Quincy, MA 02169-7471. Available at www.nfpa.org. 61% of the questions come from this book

NFPA 13D - Standard for the Installation of Sprinkler Systems, 2013.

National Fire Protection Association, 1 Batterymarch Park, Quincy, MA 02169-7471. Available at www.nfpa.org. 6% of the questions come from this book

NFPA 13R - Standard for the Installation of Sprinkler Systems, 2013. National Fire Protection Association, 1 Batterymarch Park, Quincy, MA 02169-7471. Available at www.nfpa.org. 24% of the questions come from this book

NFPA 14 - Standard for the Installation of Standpipe and Hose Systems, 2013. National Fire Protection Association, 1 Batterymarch Park, Quincy, MA 02169-7471. Available at www.nfpa.org. 10% of the questions come from this book

NFPA 17 - Standard for Wet Chemical Extinguishing Systems, 2013. National Fire Protection Association, 1 Batterymarch Park, Quincy, MA 02169-7471. Available at www.nfpa.org. 1% of the questions come from this book

NFPA 24 - Standard for Installation of Private Fire Service Mains and Their Appurtenances, 2013. National Fire Protection Association, 1 Batterymarch Park, Quincy, MA 02169-7471. Available at www.nfpa.org. 3% of the questions come from this book

NFPA 96 - Standard for Ventilation Control and Fire Protection of Commercial Cooking Operations, 2014. National Fire Protection Association, 1 Batterymarch Park, Quincy, MA 02169-7471. Available at www.nfpa.org. 8% of the questions come from this book

#### STRUCTURAL STEEL ERECTION

"Structural Steel Erection Contractor" means a contractor engaged in the erection of structural steel connected, attached or joined by riveting, welding, rigging, or fastening devices, for buildings and other structures, and work incidental to the erection.

Number of Questions	50
Time allowed (hours)	3

Subject Area	# Quest.
Plan Reading & Estimating	5
Structural Steel	10
Welding & Cutting	6
Structural Steel Bolting	4
Metal Decking	6
Metal Siding	3
Metal Joists	5
Rigging & Cranes	6
Safety - OSHA	5

#### References

International Building Code, 2018. ISBN: 978-1-60983-735-8. International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478. Available at @iccsafe.org. https://provexam.com/bookstore/
24% of the questions come from this book

**Ironworking Level One, 2**011. ISBN: 978-0-13-213714-0. Prentice Hall, P.O. Box 11071, Des Moines, IA 50336. Available at http://nccer.pearsonconstructionbooks.com. **50%** of the questions come from this book

**Ironworking Level Two**, 2011. ISBN: 978-0-13-257822-6. Prentice Hall, P.O. Box 11071, Des Moines, IA 50336. Available at http://nccer.pearsonconstructionbooks.com. 16% of the questions come from this book

**Ironworking Level Three,** 2012. ISBN: 978-0-13-257785-4. Prentice Hall, P.O. Box 11071, Des Moines, IA 50336. Available at http://nccer.pearsonconstructionbooks.com. **10%** of the questions come from this book

# **UTILITIES (WATER & SEWER)**

"Utilities (Water & Sewer) Contractor" means a person who principal business is in the installation of water and sewer lines on private projects and work incidental to the installation. The "utilities (Water & Sewer) Contractor" classification applies to work on both commercial and residential properties.

Number of Questions	50
Time allowed (hours)	3

Subject Area	# Quest.
Utilities Sitework	8
Excavation	9
Water Piping	9
Sewer Piping	8
Estimating and Plan Reading	9
Safety	7

#### References

International Building Code, 2018. ISBN: 978-1-60983-735-8. International Code Council, 4051 West Flossmoor Road, Country Club Hills, IL 60478. Available at @iccsafe.org. https://provexam.com/bookstore/ 32% of the questions come from this book

**Study Guide for Utilities Contractors**, 3rd edition, 2024. ISBN: 9780137782864. Pearson, 501 Boylston Street, Suite 900, Boston, MA 02116. **68%** of the questions come from this book

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