



**HBI Pre-Apprenticeship Certificate
Training (PACT) Building
Construction Technology
Examination H1 & H2**

Student Codes: 9013 and 9014 / Version: 01

Teacher Code: 9174 / Version: 01

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General Assessment Information

Blueprint Contents

General Assessment Information
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Specific Competencies Covered in the Test
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Test Type: This certification assessment is a customized assessment for the Home Builders Institute. This assessment measures technical skills at the occupational level and includes items which gauge factual and theoretical knowledge. This assessment offers both a written and performance component and can be used at the secondary level and postsecondary level. This assessment can be delivered in an online or paper/pencil format.

Revision Team: The assessment content is based on input from secondary, post-secondary, and business/industry representatives from the state of Idaho, Florida, Maine, North Carolina, and Washington.



46.0401 – Building/Property
Maintenance



Career Cluster - Architecture
and Construction



49-9071.00 – Maintenance and
Repair Workers, General



The Association for Career and Technical Education (ACTE), the leading professional organization for career and technical educators, commends all students who participate in career and technical education programs and choose to validate their educational attainment through rigorous technical assessments. In taking this assessment you demonstrate to your school, your parents and guardians, your future employers and yourself that you understand the concepts and knowledge needed to succeed in the workplace. Good Luck!



The Home Builders Institute (HBI) trains skilled workers for the building industry. Through pre-apprenticeship training, certification programs and job placement services, HBI provides graduates with the skills and experience they need to build a career and change their lives. HBI assessments, in partnership with the National Association of Home Builders (NAHB), are based on national skills standards set by industry professionals and educators. Participants passing the assessments are eligible for certification through HBI/NAHB at the entry, semi-skilled, or skilled levels.

Selection of curricula and instructional materials chosen to support assessment achievement must be obtained from material that has been aligned to the Residential Construction National Skill Standards and approved by HBI. For a current listing, please go to <http://www.hbi.org/curriculum/>

Visit www.hbi.org for more information.

Written Assessment

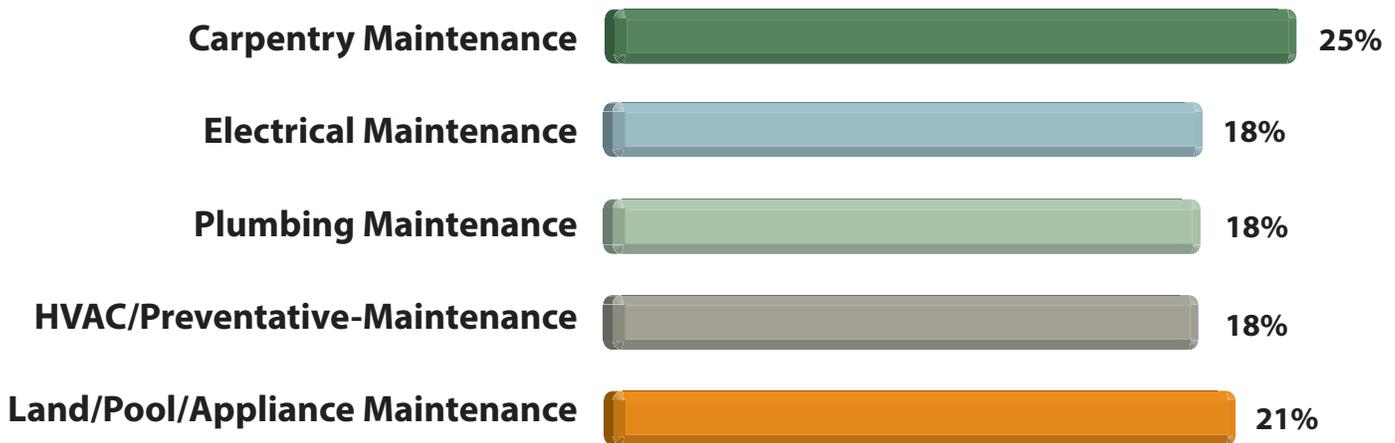
This written assessment consists of questions to measure an individual's factual theoretical knowledge.

Administration Time: 50 minutes

Number of Questions: 40

Number of Sessions: This assessment may be administered in one session.

Areas Covered



Specific Competencies and Skills Tested in this Assessment

Carpentry Maintenance

- Saws, Drilling, Power Tools, Caulking, Mold, Fasteners, Layout, and Cutting

Electrical Maintenance

- Circuits, Light Fixtures, Safety Information, Wiring, Voltage, Testing, Troubleshooting, Cutting, and Switches

Plumbing Maintenance

- Materials, Troubleshooting, Caulking, Tools, Valves, and Cleaning

HVAC/Preventive Maintenance

- Pulleys, Heating, Baseboard Heat, Cleaning, Troubleshooting, and Heating Systems

Land/Pool/Appliance Maintenance

- Mowers, Air Filters, and Appliances



Sample Questions

Which of these statements is true?

- A. All electrical equipment should be considered energized until determined to be deenergized.
- B. OSHA requires that employees be trained in safety related work practices.
- C. Never cut off the grounding prong on an electrical plug.
- D. All of the above

Which of these tools should be used to prevent scratching a chrome finish on a pipe or fixture?

- A. Chain wrench
- B. Basin wrench
- C. Strap wrench
- D. Standard pipe wrench

Which of these is a female adapter?



- A. Fitting A
- B. Fitting B
- C. Fitting C
- D. Fitting D

Which of these should be followed when working on electrical systems and devices?

- A. Never use test equipment on any energized circuit that is above what it is rated for.
- B. Always use calibrated test equipment.
- C. Tool repairs should be made only by a qualified person.
- D. All of the above

