

BOILER EXAMINATION INFORMATION - INSTALLERS

In an effort to give guidance to you as you prepare for the upcoming boiler examination, the following information is provided:

If you are taking a low-pressure boiler installer's exam (class 1B or 2B), you need to study:

- a. The Michigan Boiler Rules – **2010** edition (effective **July 30, 2010**)
- b. The Michigan Boiler Act 290 of 1965
- c. ASME Code Section IV, Heating Boilers – **2007** edition and **2008 addenda**
- d. ASME Code CSD-1 – **2006** edition

If you are taking a high-pressure boiler installer's exam (3B-5B), you need to study:

- a. The Michigan Boiler Rules – **2010** edition (effective **July 30, 2010**)
- b. The Michigan Boiler Act 290 of 1965
- c. ASME Code Section I – **2007** edition and **2008 addenda**
- d. ASME Code Section IV – **2007** edition and **2008 addenda**
- e. ASME Section IX, Welding – **2007** edition and **2008 addenda**
- f. ASME B31.1, Power Piping – **2007** edition
- g. ASME Code CSD-1 – **2006** edition

If you are taking the exam for a piping license ("P"), you need to study:

- a. The Michigan Boiler Rules – **2010** edition (effective **July 30, 2010**)
- b. The Michigan Boiler Act 290 of 1965
- c. ASME B31.1 Power Piping – **2007** edition
- d. ASME Section IX, Welding – **2007** edition and **2008 addenda**

This examination is open book. The examinee is responsible to bring the applicable code books to the examination.

Examinations are offered quarterly: March, June, September and December.

NOTE: Electronic copies of code books will not be allowed during examination.

Applications must be received in this office 30 days prior to the examination date.

The Michigan Boiler Act and Rules may be purchased from the Michigan Department of Licensing and Regulatory Affairs, Bureau of Construction Codes, P.O. Box 30255, Lansing, MI 48909 at a cost of \$10.00. In lieu of payment, the complete Michigan Boiler Act and Rules may be downloaded for free from the bureau's web site at www.michigan.gov/bcc.

The ASME Code books can be purchased by calling 1-800-843-2763.

APPLICATION FOR BOILER INSTALLER'S EXAMINATION

The following is information for the applicant completing the application for an installer's examination in accordance with the State of Michigan Boiler Rules and Regulations.

Rule 89. Boiler installers shall be licensed as required by section 13 of the act.

Rule 91. (1) An application for a boiler installer's license shall be on a form provided by the boiler division of the department. The applicant shall state the name of the business, firm, partnership, or corporation that the applicant intends to represent in the business of installing boilers and shall provide evidence of his or her past experience in the installation of boilers and evidence of his or her workmanship and engineering skills that would qualify the applicant for examination and licensing.

(2) An applicant for a boiler installer's license shall have not less than 5 years of experience in all phases of boiler installation in the class of license for which the applicant is applying. A credit of 2 years of experience towards the 5 years of experience may be given for 2 years of experience in the design, construction, manufacture, or inspection of boilers.

(3) The boiler division of the department may verify installations required to be reported on the application to establish the applicant's minimum practical installation experience in the applicant's desired license classification.

Rule 96. (1) If welding is employed in the installation or reinstallation of a boiler or piping, then the licensed installer shall file welding procedure specifications and the procedure qualification reports qualified in accordance with the requirements of ASME code section IX, welding and brazing qualifications, with the boiler division of the department, before conducting any installation requiring welding.

(2) A licensed installer who utilizes welding in the installation or reinstallation of boilers or piping shall have available, for the inspector's review, welding procedure specifications and welder performance qualification records to be used or that were used in the installation or reinstallation.

Rule 99. (1) An applicant for a boiler installer's license shall state the name of the business, firm, partnership, or corporation under which he or she intends to carry on the business of installing boilers before a license will be issued. The applicant may be the owner, a partner, an officer of a corporation, or a supervisory employee of the business, firm, partnership, or corporation legally registered with the state.

(2) A person shall not engage in installing boilers under the name of more than 1 business at any one time.

(3) When required by the ASME code, a licensee shall be in the employ of an organization in possession of the appropriate certificate of authorization.

Rule 101. An individual employed by, and working under the supervision of, a licensed boiler installer is not required to be licensed.

Rule 103. (1) An applicant for a boiler installer's license shall be required to take an examination approved by the board of boiler rules. The examination will be held quarterly at a location determined by the boiler division of the department. A score of 70% is required to pass the examination. A passing score on the examination is valid for 3 years. If a license is not applied for in that time, then the applicant shall file a new application for examination.

(2) A licensee wishing to upgrade his or her license to a higher classification shall maintain his or her current license in good standing for a minimum of 1 year and take the examination prescribed in subrule (1) of this rule. A licensee may only upgrade a license 1 classification at a time.

Rule 105. The fee prescribed by R 408.4038 shall accompany the application for a boiler installer's license.

Rule 107. (1) A boiler installer's license shall be renewed annually upon payment of a fee as prescribed by R 408.4038.

(2) An installer's license shall expire on December 31 of each year and shall be renewed. An application for renewal shall be submitted to the boiler division of the department between September 30 and December 31. A license that is not renewed by January 1 shall be voided and may be reinstated only upon application for reinstatement and payment of both the renewal fee and a reinstatement fee of \$75.00. A person requesting renewal of a license within 3 years after the license is voided pursuant to this subrule is not subject to reexamination for the license, but shall pay both the reinstatement fee and the annual license renewal fee for the current renewal year. A person who fails to renew a license for 3 consecutive years shall meet the requirements of, and take an examination for, the class of license sought.

(3) A licensee who changes business affiliation shall notify the chief inspector, on a form provided by the boiler division of the department, of the name and address of the new business affiliate under which the licensee intends to use his or her license. A fee of \$20.00 shall accompany the notification form.

Rule 109. (1) A class 1B installer's license qualifies a person to install a low-pressure boiler that does not exceed a firing rate of 1,000,000 BTU per hour as certified by the boiler manufacturer. For a class 1B license, the sum of all modules in a modular boiler shall not exceed a firing rate of 1,000,000 BTU per hour as certified by the boiler manufacturer.

(2) A class 2B installer's license qualifies a person to do all of the following:

(a) Install a low-pressure boiler of any capacity or firing rate.

(b) To perform work covered by a class 1B license.

(3) A class 3B installer's license qualifies a person to do all of the following:

(a) Install a power boiler that has a capacity of not more than 5,000 pounds of steam per hour.

(b) Install or replace non-boiler external piping as defined by ASME code B31.1 and R408.4032.

(c) Perform work covered by a class 2B license.

(4) A class 4B installer's license qualifies a person to do all of the following:

(a) Install a boiler that has a capacity of not more than 300,000 pounds of steam per hour.

(b) Install or replace non-boiler external piping as defined by ASME code B31.1 and R408.4032.

(c) Perform work covered by a class 3B license.

(5) A class 5B installer's license qualifies a person to do all of the following:

(a) Install a boiler of any capacity or firing rate. Exception: a nuclear heat source boiler.

(b) Install or replace non-boiler external piping as defined by ASME code B31.1 and R408.4032.

(c) Perform work covered by a class 4B license.

(6) A class 6B installer's license qualifies a person to install a boiler that utilizes a nuclear heat source or its parts, appurtenances, or system components. Before a license is issued, an applicant for a class 6B license shall submit evidence of both of the following:

(a) Familiarity with and knowledge of all federal rules and regulations regarding the installation of a boiler that has a nuclear heat source.

(b) Employment by a company in possession of a valid ASME nuclear code symbol applicable to the portions of any nuclear boiler system that the company proposes to install.

(7) A class P license qualifies a person to install or replace non-boiler external piping or repair non-boiler external piping as defined by ASME code B31.1 and R 408.4032.

Work Experience Continued-List work performed on boilers covering a period of at least 5 years in accordance with Rule 91. (Attach additional sheets if necessary)

NAME OF BOILER OWNER / USER		LOCATION NAME		
BOILER MANUFACTURER		ADDRESS		
BTU/HR OR LB/HR STEAM	MICHIGAN BOILER NUMBER M M	CITY	STATE	ZIP CODE
YEAR INSTALLED	PERMIT NUMBER	TYPE OF BOILER <input type="checkbox"/> FT <input type="checkbox"/> WT <input type="checkbox"/> CAST <input type="checkbox"/> ELECT		MAWP OF BOILER

INDICATE WORK PERFORMED ON ABOVE BOILER. INSTALLATION OR MAINTENANCE OF BURNERS OR REFRACTORY NOT ACCEPTABLE.
 Installation Design Construction Manufacture Inspection

BOILER USE
 Steam Heating Hot Water Heating Hot Water Supply Power Other _____

REMARKS (Who you were employed by, year, etc.)

NAME OF BOILER OWNER / USER		LOCATION NAME		
BOILER MANUFACTURER		ADDRESS		
BTU/HR OR LB/HR STEAM	MICHIGAN BOILER NUMBER M M	CITY	STATE	ZIP CODE
YEAR INSTALLED	PERMIT NUMBER	TYPE OF BOILER <input type="checkbox"/> FT <input type="checkbox"/> WT <input type="checkbox"/> CAST <input type="checkbox"/> ELECT		MAWP OF BOILER

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 Installation Design Construction Manufacture Inspection

BOILER USE
 Steam Heating Hot Water Heating Hot Water Supply Power Other _____

REMARKS (Who you were employed by, year, etc.)

If you have a disability and require an accommodation to take the examination, please submit written documentation from a professional (education professional, doctor, psychologist, psychiatrist) to certify that your disabling condition requires the requested test accommodation. Forms are available from this office.

Are you upgrading your license?
 Yes -- Current installer's license number _____
 No

Certification and Signature

I certify the information given is true to the best of my knowledge. I understand falsification of any statement in this application is cause for rejection or revocation of license, if issued.

APPLICANT SIGNATURE	SOCIAL SECURITY NUMBER*	DATE
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*This information is confidential. Disclosure of confidential information is protected by the Federal Privacy Act.