

# Michigan Register

Issue No. 4 – 2024 (Published March 15, 2024)



# GRAPHIC IMAGES IN THE MICHIGAN REGISTER

## COVER DRAWING

### *Michigan State Capitol:*

This image, with flags flying to indicate that both chambers of the legislature are in session, may have originated as an etching based on a drawing or a photograph. The artist is unknown. The drawing predates the placement of the statue of Austin T. Blair on the capitol grounds in 1898.

(Michigan State Archives)

## PAGE GRAPHICS

### *Capitol Dome:*

The architectural rendering of the Michigan State Capitol's dome is the work of Elijah E. Myers, the building's renowned architect. Myers inked the rendering on linen in late 1871 or early 1872. Myers' fine draftsmanship, the hallmark of his work, is clearly evident.

Because of their size, few architectural renderings of the 19<sup>th</sup> century have survived. Michigan is fortunate that many of Myers' designs for the Capitol were found in the building's attic in the 1950's. As part of the state's 1987 sesquicentennial celebration, they were conserved and deposited in the Michigan State Archives.

(Michigan State Archives)

### *East Elevation of the Michigan State Capitol:*

When Myers' drawings were discovered in the 1950's, this view of the Capitol – the one most familiar to Michigan citizens – was missing. During the building's recent restoration (1989-1992), this drawing was commissioned to recreate the architect's original rendering of the east (front) elevation.

(Michigan Capitol Committee)

# Michigan Register

Published pursuant to § 24.208 of  
The Michigan Compiled Laws



Issue No. 4— 2024

(This issue, published March 15, 2024, contains  
documents filed from February 1, 2023 to March 1, 2024)

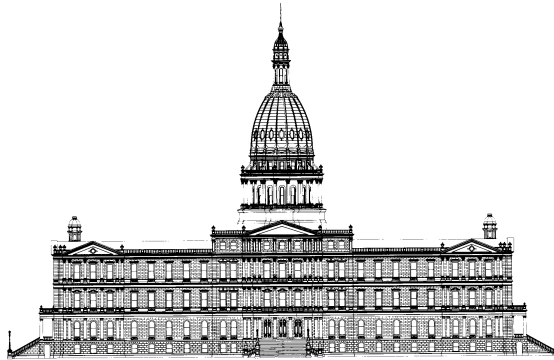
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Katie Wienczewski, Administrative Rules Division Director, Michigan Office of Administrative Hearings and Rules; Deidre O’Berry, Administrative Rules Specialist for Operations and Publications.

**Gretchen Whitmer, Governor**



**Garlin Gilchrist, Lieutenant Governor**

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## PREFACE

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### PUBLICATION AND CONTENTS OF THE MICHIGAN REGISTER

The Michigan Office of Administrative Hearings and Rules publishes the *Michigan Register*.

While several statutory provisions address the publication and contents of the *Michigan Register*, two are of particular importance.

**24.208 Michigan register; publication; cumulative index; contents; public subscription; fee; synopsis of proposed rule or guideline; transmitting copies to office of regulatory reform.**

Sec. 8.

(1) The office of regulatory reform shall publish the Michigan register at least once each month. The Michigan register shall contain all of the following:

- (a) Executive orders and executive reorganization orders.
- (b) On a cumulative basis, the numbers and subject matter of the enrolled senate and house bills signed into law by the governor during the calendar year and the corresponding public act numbers.
- (c) On a cumulative basis, the numbers and subject matter of the enrolled senate and house bills vetoed by the governor during the calendar year.
- (d) Proposed administrative rules.
- (e) Notices of public hearings on proposed administrative rules.
- (f) Administrative rules filed with the secretary of state.
- (g) Emergency rules filed with the secretary of state.
- (h) Notice of proposed and adopted agency guidelines.
- (i) Other official information considered necessary or appropriate by the office of regulatory reform.
- (j) Attorney general opinions.
- (k) All of the items listed in section 7(m) after final approval by the certificate of need commission under section 22215 of the public health code, 1978 PA 368, MCL 333.22215.

(2) The office of regulatory reform shall publish a cumulative index for the Michigan register.

(3) The Michigan register shall be available for public subscription at a fee reasonably calculated to cover publication and distribution costs.

(4) If publication of an agency's proposed rule or guideline or an item described in subsection (1)(k) would be unreasonably expensive or lengthy, the office of regulatory reform may publish a brief synopsis of the proposed rule or guideline or item described in subsection (1)(k), including information on how to obtain a complete copy of the proposed rule or guideline or item described in subsection (1)(k) from the agency at no cost.

(5) An agency shall electronically transmit a copy of the proposed rules and notice of public hearing to the office of regulatory reform for publication in the Michigan register.

**4.1203 Michigan register fund; creation; administration; expenditures; disposition of money received from sale of Michigan register and amounts paid by state agencies; use of fund; price of Michigan register; availability of text on internet; copyright or other proprietary interest; fee prohibited; definition.**

Sec. 203.

- (1) The Michigan register fund is created in the state treasury and shall be administered by the office of regulatory reform. The fund shall be expended only as provided in this section.
- (2) The money received from the sale of the Michigan register, along with those amounts paid by state agencies pursuant to section 57 of the administrative procedures act of 1969, 1969 PA 306, MCL 24.257, shall be deposited with the state treasurer and credited to the Michigan register fund.
- (3) The Michigan register fund shall be used to pay the costs of preparing, printing, and distributing the Michigan register.
- (4) The department of management and budget shall sell copies of the Michigan register at a price determined by the office of regulatory reform not to exceed the cost of preparation, printing, and distribution.
- (5) Notwithstanding section 204, beginning January 1, 2001, the office of regulatory reform shall make the text of the Michigan register available to the public on the internet.
- (6) The information described in subsection (5) that is maintained by the office of regulatory reform shall be made available in the shortest feasible time after the information is available. The information described in subsection (5) that is not maintained by the office of regulatory reform shall be made available in the shortest feasible time after it is made available to the office of regulatory reform.
- (7) Subsection (5) does not alter or relinquish any copyright or other proprietary interest or entitlement of this state relating to any of the information made available under subsection (5).
- (8) The office of regulatory reform shall not charge a fee for providing the Michigan register on the internet as provided in subsection (5).
- (9) As used in this section, "Michigan register" means that term as defined in section 5 of the administrative procedures act of 1969, 1969 PA 306, MCL 24.205.

**CITATION TO THE MICHIGAN REGISTER**

The *Michigan Register* is cited by year and issue number. For example, 2024 MR 1 refers to the year of issue (2024) and the issue number (1).

**CLOSING DATES AND PUBLICATION SCHEDULE**

The deadlines for submitting documents to the Michigan Office of Administrative Hearings and Rules for publication in the *Michigan Register* are the first and fifteenth days of each calendar month, unless the submission day falls on a Saturday, Sunday, or legal holiday, in which event the deadline is extended to include the next day which is not a Saturday, Sunday, or legal holiday. Documents filed or received after 5:00 p.m. on the closing date of a filing period will appear in the succeeding issue of the *Michigan Register*.

The Michigan Office of Administrative Hearings and Rules is not responsible for the editing and proofreading of documents submitted for publication.

Documents submitted for publication should be delivered or mailed in an electronic format to the following address: MICHIGAN REGISTER, Michigan Office of Administrative Hearings and Rules, Ottawa Building – Second Floor, 611 W. Ottawa Street, Lansing, MI 48933.

### **RELATIONSHIP TO THE MICHIGAN ADMINISTRATIVE CODE**

The *Michigan Administrative Code* (1979 edition), which contains all permanent administrative rules in effect as of December 1979, was, during the period 1980-83, updated each calendar quarter with the publication of a paperback supplement. An annual supplement contained those permanent rules, which had appeared in the 4 quarterly supplements covering that year.

Quarterly supplements to the Code were discontinued in January 1984, and replaced by the monthly publication of permanent rules and emergency rules in the *Michigan Register*. Annual supplements have included the full text of those permanent rules that appear in the twelve monthly issues of the *Register* during a given calendar year. Emergency rules published in an issue of the *Register* are noted in the annual supplement to the Code.

### **SUBSCRIPTIONS AND DISTRIBUTION**

The *Michigan Register*, a publication of the State of Michigan, is available for public subscription at a cost of \$400.00 per year. Submit subscription requests to: Michigan Office of Administrative Hearings and Rules, Ottawa Building –Second Floor, 611 W. Ottawa Street, Lansing, MI 48933. Checks Payable: State of Michigan. Any questions should be directed to the Michigan Office of Administrative Hearings and Rules (517) 335-2484.

### **INTERNET ACCESS**

The *Michigan Register* can be viewed free of charge on the website of the Michigan Office of Administrative Hearings and Rules – Administrative Rules Division: [www.michigan.gov/ard](http://www.michigan.gov/ard).

Issue 2000-3 and all subsequent editions of the *Michigan Register* can be viewed on the Michigan Office of Administrative Hearings and Rules website. The electronic version of the *Register* can be navigated using the blue highlighted links found in the Contents section. Clicking on a highlighted title will take the reader to related text, clicking on a highlighted header above the text will return the reader to the Contents section.

Executive Director,  
Michigan Office of Administrative Hearings and Rules



## 2024 PUBLICATION SCHEDULE

Issue No.	Closing Date for Filing or Submission Of Documents (5 p.m.)	Publication Date
1	January 1	February 1
2	January 15	February 15
3	February 1	March 1
4	February 15	March 15
5	March 1	April 1
6	March 15	April 15
7	April 1	May 1
8	April 15	May 15
9	May 1	June 1
10	May 15	June 15
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23	December 1	January 1
24	December 15	January 15

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**ADMINISTRATIVE RULES  
FILED WITH THE SECRETARY OF STATE**

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*MCL 24.208 states in part:*

*“Sec. 8. (1) The Office of Regulatory Reform shall publish the Michigan register at least once each month. The Michigan register shall contain all of the following:*

\*       \*       \*

*(f) Administrative rules filed with the secretary of state.”*

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**ADMINISTRATIVE RULES**

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**DEPARTMENT OF LICENSING AND REGULATORY AFFAIRS**

**DIRECTOR’S OFFICE**

**GENETIC COUNSELING – GENERAL RULES**

Filed with the secretary of state on February 16, 2024

These rules become effective immediately after filing with the secretary of state unless adopted under section 33, 44, or 45a(9) of the administrative procedures act of 1969, 1969 PA 306, MCL 24.233, 24.244, or 24.245a. Rules adopted under these sections become effective 7 days after filing with the secretary of state.

(By authority conferred on the director of the department of licensing and regulatory affairs by sections 16145, 16148, 16174, 16201, 16204, 16287, 17091, 17092, and 17096 of the public health code, 1978 PA 368, MCL 333.16145, 333.16148, 333.16174, 333.16201, 333.16204, 333.16287, 333.17091, 333.17092, and 333.17096, and Executive Reorganization Order Nos. 1991-9, 1996-2, 2003-1, and 2011-4, MCL 338.3501, 445.2001, 445.2011, and 445.2030)

R 338.2455, R 338.2457, R 338.2461, R 338.2462, R 338.2463, R 338.2465, R 338.2471, R 338.2473, and R 338.2481 of the Michigan Administrative Code are amended, as follows:

**PART 1. GENERAL PROVISIONS**

R 338.2455 Telehealth.

Rule 155. (1) A licensee shall obtain consent for treatment before providing a telehealth service under section 16284 of the code, MCL 333.16284.

(2) A licensee shall maintain proof of consent for telehealth treatment in the patient’s up-to-date medical record and satisfy section 16213 of the code, MCL 333.16213.

(3) A licensee providing a telehealth service may prescribe a drug if the licensee is a prescriber acting within the scope of the licensee’s practice and in compliance with section 16285 of the code, MCL 333.16285, and if the licensee does both of the following:

(a) Refers the patient to a provider that is geographically accessible to the patient, if medically necessary.

(b) Makes the licensee available to provide follow-up care services to the patient, or to refer the patient to another provider, for follow-up care.

(4) A licensee providing any telehealth service shall do both of the following:

(a) Act within the scope of the licensee’s practice.

(b) Exercise the same standard of care applicable to a traditional, in-person health care service.

R 338.2457 Training standards for identifying victims of human trafficking; requirements.

Rule 157. (1) Under section 16148 of the code, MCL 333.16148, an individual seeking licensure or who is licensed shall have completed training in identifying victims of human trafficking that satisfies all the following standards:

- (a) Training content must cover all the following:
  - (i) Understanding the types and venues of human trafficking in the United States.
  - (ii) Identifying victims of human trafficking in health care settings.
  - (iii) Identifying the warning signs of human trafficking in health care settings for adults and minors.
  - (iv) Providing resources for reporting the suspected victims of human trafficking.
- (b) Acceptable providers or methods of training include any of the following:
  - (i) Training offered by a nationally recognized or state-recognized health-related organization.
  - (ii) Training offered by, or in conjunction with, a state or federal agency.
  - (iii) Training obtained in an educational program that has been approved under these rules for initial licensure or registration, or by a college or university.
  - (iv) Reading an article related to the identification of victims of human trafficking that satisfies the requirements of subdivision (a) of this subrule and is published in a peer-reviewed journal, health care journal, or professional or scientific journal.

- (c) Acceptable modalities of training include any of the following:
  - (i) Teleconference or webinar.
  - (ii) Online presentation.
  - (iii) Live presentation.
  - (iv) Printed or electronic media.
- (2) The department may select and audit a sample of individuals and request documentation of proof of completion of training. If audited by the department, an individual shall provide an acceptable proof of completion of training, including either of the following:
  - (a) Proof of completion certificate issued by the training provider that includes the date, provider name, name of training, and individual's name.
  - (b) A self-certification statement by the individual. The certification statement must include the individual's name and either of the following:
    - (i) For training completed under subrule (1)(b)(i) to (iii) of this rule, the date, training provider name, and name of training.
    - (ii) For training completed under subrule (1)(b)(iv) of this rule, the title of the article, author, publication name of the peer-review journal, health care journal, or professional or scientific journal, and the date, volume, and issue of publication, as applicable.
- (3) Under section 16148 of the code, MCL 333.16148, the requirements specified in subrule (1) of this rule apply for license renewals beginning with the 2025 renewal cycle and for initial licenses beginning April 15, 2026.

## PART 2. LICENSURE

R 338.2461 Application for license; qualifications.

Rule 161. (1) An applicant for a genetic counselor license shall satisfy the requirements of the code and the rules promulgated under the code, as well as both of the following requirements:

- (a) Provide the required fee and a completed application on a form provided by the department.
- (b) Provide proof, as directed by the department, verifying current certification in good standing from the ABGC or the ABMGG.

(2) An applicant for a temporary-licensed genetic counselor license shall satisfy the requirements of the code and the rules promulgated under the code, as well as all the following requirements:

- (a) Provide the required fee and a completed application on a form provided by the department.
- (b) Provide proof, as directed by the department, verifying active candidate status from the ABGC or the ABMGG.
- (c) Provide proof, as directed by the department, verifying that the applicant will be supervised by a qualified supervisor in this state.

R 338.2462 Application for license by endorsement; qualifications.

Rule 162. (1) An applicant for a genetic counselor license by endorsement shall satisfy the requirements of the code and the rules promulgated under the code, as well as all the following requirements:

- (a) Provide the required fee and a completed application on a form provided by the department.
- (b) Provide proof, as directed by the department, verifying a current and full genetic counselor license in another state or in a province of Canada.
- (c) Provide proof, as directed by the department, verifying current certification in good standing from the ABGC or the ABMGG.

(2) An applicant who is or has been licensed, registered, or certified in a health profession or specialty by another state, the United States military, the federal government, or another country shall disclose that fact on the application form. The applicant shall satisfy the requirements of section 16174(2) of the code, MCL 333.16174, including verification from the issuing entity showing that disciplinary proceedings are not pending against the applicant and sanctions are not in force when applying. If licensure is granted and it is determined that sanctions have been imposed, the disciplinary subcommittee may impose appropriate sanctions under section 16174(5) of the code, MCL 333.16174.

R 338.2463 Application for relicensure; qualifications.

Rule 163. (1) An applicant may be relicensed within 3 years after the expiration date of the license under section 16201(3) of the code, MCL 333.16201, if the applicant satisfies the requirements of the code and the rules promulgated under the code, as well as all the following requirements:

- (a) Provides the required fee and a completed application on a form provided by the department.
- (b) Provides proof, as directed by the department, verifying 1 of the following, as applicable:
  - (i) If applying for relicensure as a genetic counselor, current certification in good standing from the ABGC or the ABMGG.
  - (ii) If applying for relicensure as a temporary-licensed genetic counselor, active candidate status from the ABGC or the ABMGG.

(c) Establishes good moral character as that term is defined in, and determined under, 1974 PA 381, MCL 338.41 to 338.47.

(d) If applying for relicensure as a temporary-licensed genetic counselor, provides proof, as directed by the department, verifying that the applicant will be supervised by a qualified supervisor in this state.

(2) An applicant may be relicensed more than 3 years after the expiration date of the license under section 16201(4) of the code, MCL 333.16201, if the applicant satisfies the requirements of the code and the rules promulgated under the code, as well as all the following requirements:

- (a) Provides the required fee and a completed application on a form provided by the department.
- (b) Provides proof, as directed by the department, verifying 1 of the following, as applicable:
  - (i) If applying for relicensure as a genetic counselor, current certification in good standing from the ABGC or the ABMGG.
  - (ii) If applying for relicensure as a temporary-licensed genetic counselor, active candidate status from the ABGC or the ABMGG.

(c) Establishes good moral character as that term is defined in, and determined under, 1974 PA 381, MCL 338.41 to 338.47.

(d) Provides fingerprints as required under section 16174(3) of the code, MCL 333.16174.

(e) If applying for relicensure as a temporary-licensed genetic counselor, provides proof, as directed by the department, verifying that the applicant will be supervised by a qualified supervisor in this state.

(3) An applicant who is or has been licensed, registered, or certified in a health profession or specialty by another state, the United States military, the federal government, or another country shall disclose that fact on the application form. The applicant shall satisfy the requirements of section 16174(2) of the code, MCL 333.16174, including verification from the issuing entity showing that disciplinary proceedings are not pending against the applicant and sanctions are not in force when applying. If licensure is granted and it is determined that sanctions have been imposed, the disciplinary subcommittee may impose appropriate sanctions under section 16174(5) of the code, MCL 333.16174.

#### R 338.2465 Application for renewal of license; qualifications.

Rule 165. (1) An applicant for renewal of a genetic counselor license shall satisfy the requirements of the code and the rules promulgated under the code, as well as all the following requirements:

(a) Provide the required fee and a completed application on a form provided by the department.

(b) Provide proof, as directed by the department, verifying current certification in good standing from the ABGC or the ABMGG.

(c) Satisfy the requirements under R 338.2471, as applicable.

(2) An applicant for renewal of a temporary-licensed genetic counselor license shall satisfy the requirements of the code and the rules promulgated under the code, as well as all the following requirements:

(a) Provide the required fee and a completed application on a form provided by the department.

(b) Provide proof, as directed by the department, verifying active candidate status from the ABGC or the ABMGG.

(c) Provide proof, as directed by the department, verifying that the licensee will be supervised by a qualified supervisor in this state.

(3) A temporary-licensed genetic counselor license may be renewed 4 times.

### PART 3. CONTINUING EDUCATION

#### R 338.2471 License renewals.

Rule 171. (1) This part applies to an application for renewal of a genetic counselor license under R 338.2465 and sections 16201 and 17091 of the code, MCL 333.16201 and 333.17091.

(2) An applicant for license renewal who has been licensed in the 3-year period immediately preceding the application for renewal shall accumulate a minimum of 75 contact hours of continuing education in activities approved under R 338.2473 during the 3 years immediately preceding the application for renewal.

(3) Submission of an application for renewal constitutes the applicant's certification of compliance with the requirements of this rule. The licensee shall retain documentation of satisfying the requirements of this rule for 4 years after the date of applying for license renewal. Failure to satisfy this rule is a violation of section 16221(h) of the code, MCL 333.16221.

(4) The department may select and audit a sample of licensees who have renewed their license and request proof of compliance with subrule (2) of this rule. If audited, a licensee shall provide documentation as specified in R 338.2473.



(5) An applicant shall submit a request for a waiver of continuing education requirements to the department for the board's consideration not less than 30 days before the last regularly scheduled board meeting before the expiration date of the license.

R 338.2473 Acceptable continuing education; requirements; limitations.

Rule 173. (1) The 75 contact hours of continuing education required under R 338.2471 must satisfy the following requirements, as applicable:

(a) Credit for a continuing education program or activity that is identical or substantially equivalent to a program or activity for which the licensee has already earned credit during the renewal period cannot be granted.

(b) A minimum of 1 contact hour of continuing education must be earned in medical ethics.

(c) A minimum of 1 contact hour of continuing education must be earned in pain and symptom management under section 16204 of the code, MCL 333.16204. Continuing education contact hours in pain and symptom management may include, but are not limited to, any of the following areas:

(i) Public health burden of pain.

(ii) Ethics and health policy related to pain.

(iii) Michigan pain and controlled substance laws.

(iv) Pain definitions.

(v) Basic sciences related to pain including pharmacology.

(vi) Clinical sciences related to pain.

(vii) Specific pain conditions.

(viii) Clinical physician communication related to pain.

(ix) Management of pain, including evaluation and treatment and non-pharmacological and pharmacological management.

(x) Ensuring quality pain care.

(xi) Michigan programs and resources relevant to pain.

(d) Completion of implicit bias training under R 338.7004 during the 3 years immediately preceding the application for renewal may be used toward satisfaction of the requirements of R 338.2471(2) and this subrule.

(2) The following activities are acceptable continuing education:

	Activity and Proof of Completion	Number of Continuing Education Contact Hours Granted/Allowed for the Activity
(a)	<p>Attendance at or participation in a continuing education program or activity related to the practice of genetic counseling that includes, but is not limited to, live in-person programs, interactive or monitored teleconference, audio-conference, or web-based programs, online programs, and journal articles with a self-study component or other self-study programs approved or offered by any of the following organizations:</p> <ul style="list-style-type: none"> <li>- Accreditation Council for Continuing Medical Education (ACCME) including non-ACCME accredited providers engaging in joint providership with ACCME accredited providers.</li> <li>- American College of Medical Genetics and</li> </ul>	<p>The number of continuing education contact hours credit for a specific program or activity is the number of contact hours approved by the sponsor or the approving organization for the specific program.</p> <p>A minimum of 45 hours of continuing education credit must be earned in this activity in each renewal period.</p>

	<p>Genomics.</p> <ul style="list-style-type: none"> <li>- American College of Obstetricians and Gynecologists.</li> <li>- American Medical Association.</li> <li>- American Nurses Credentialing Center's Commission on Accreditation.</li> <li>- American Osteopathic Association.</li> <li>- American Society for Reproductive Medicine.</li> <li>- Michigan Association of Genetic Counselors.</li> <li>- Michigan Osteopathic Association.</li> <li>- Michigan State Medical Society.</li> <li>- National Society of Genetic Counselors.</li> <li>- Society for Maternal Fetal Medicine.</li> </ul> <p>If audited, the licensee shall provide a copy of the letter or certificate of completion showing the licensee's name, number of continuing education contact hours earned, sponsor name or the name of the organization that approved the program or activity for continuing education credit, and the date on which the program was held or the activity completed.</p>	<p>A maximum of 75 contact hours of continuing education credit may be earned for this activity in each renewal period.</p>
(b)	<p>Serving as a clinical supervisor for a student at a site used by an Accreditation Council for Genetic Counseling (ACGC) accredited program.</p> <p>To receive credit, the clinical supervision must not be the licensee's primary employment function.</p> <p>If audited, the licensee shall provide the student's initials, training program, dates supervision began and ended, and number of supervision hours provided per week.</p>	<p>Five contact hours of continuing education credit is granted for a minimum of 25 hours of direct clinical supervision.</p> <p>A maximum of 30 contact hours of continuing education credit may be earned for this activity in each renewal period.</p>
(c)	<p>Publication of an article or chapter in a peer-reviewed journal or book related to practice-based competency.</p> <p>If audited, the licensee shall provide a copy of the publication that identifies the licensee as the author.</p>	<p>Ten contact hours of continuing education credit is granted for serving as the first, second, or senior author.</p> <p>Five contact hours of continuing education credit is granted for serving as any other author who is not first, second, or senior author.</p> <p>A maximum of 10 contact hours of continuing</p>

		<p>education credit may be earned per article or chapter.</p> <p>A maximum of 30 contact hours of continuing education credit may be earned for this activity in each renewal period.</p>
(d)	<p>Service in a leadership position role as a board member, chair, or leader of a genetics-related organization.</p> <p>If audited, the licensee shall provide the organization name, contact information, dates of service, dated agenda, and meeting minutes documenting not less than 25 hours of service.</p>	<p>Five contact hours of continuing education credit is granted for 25 hours of service for each organization.</p> <p>A maximum of 30 contact hours of continuing education credit may be earned for this activity in each renewal period.</p>
(e)	<p>Serving as an instructor for a graduate-level course in an area related to genetics competency.</p> <p>To receive credit, the instructorship must not be the licensee's primary employment function.</p> <p>If audited, the licensee shall provide document titles, course description, faculty list of each course, dates of all courses, scheduled instructional hours, and a letter from the program director verifying the licensee's role.</p>	<p>Five contact hours of continuing education credit is granted for a minimum of 5 hours of teaching.</p> <p>A maximum of 10 contact hours of continuing education credit may be earned for each course.</p> <p>A maximum of 30 contact hours of continuing education credit may be earned for this activity in each renewal period.</p>
(f)	<p>Serving as a peer-reviewer of a manuscript by invitation for a scientific journal.</p> <p>If audited, a licensee shall provide copies of documentation inviting the licensee to complete the review and thanking them for completing the review.</p>	<p>Two contact hours of continuing education credit is granted for each manuscript reviewed.</p> <p>A maximum of 30 contact hours of continuing education credit may be earned for this activity in each renewal period.</p>

#### PART 4. STANDARDS OF PRACTICE

R 338.2481 Certification; active candidate status; requirement.

Rule 171. (1) A genetic counselor licensee shall maintain certification with the ABGC or the ABMGG.

(2) A temporary-licensed genetic counselor shall report to the department a change in qualified supervisor not later than 30 days after the change occurs.

(3) A temporary-licensed genetic counselor license automatically expires on issuance of a genetic counselor license or on loss of active candidate status with the ABGC or the ABMGG. A temporary-licensed genetic counselor shall report to the department a change in active candidate status not later than 30 days after the change occurs.

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**PROPOSED ADMINISTRATIVE RULES,  
NOTICES OF PUBLIC HEARINGS**

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*MCL 24.242(3) states in part:*

*“... the agency shall submit a copy of the notice of public hearing to the Office of Regulatory Reform for publication in the Michigan register. An agency's notice shall be published in the Michigan register before the public hearing and the agency shall file a copy of the notice of public hearing with the Office of Regulatory Reform.”*

*MCL 24.208 states in part:*

*“Sec. 8. (1) The Office of Regulatory Reform shall publish the Michigan register at least once each month. The Michigan register shall contain all of the following:*

\*       \*       \*

*(d) Proposed administrative rules.*

*(e) Notices of public hearings on proposed administrative rules.”*

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**PROPOSED ADMINISTRATIVE RULES**

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DEPARTMENT OF LICENSING AND REGULATORY AFFAIRS

DIRECTOR'S OFFICE

CONSTRUCTION CODE

Filed with the secretary of state on

~~These rules take effect immediately upon filing with the secretary of state unless adopted under section 33, 44, or 45a(9) of the administrative procedures act of 1969, 1969 PA 306, MCL 24.233, 24.244, or 24.245a. Rules adopted under these sections become effective 7 days after filing with the secretary of state.~~

These rules become effective 120 days after filing with the secretary of state.

(By authority conferred on the director of the department of licensing and regulatory affairs by section 4 of the Stille-DeRossett-Hale single state construction code act, 1972 PA 230, MCL 125.1504, and Executive Reorganization Order Nos. 2003-1, 2008-4, and 2011-4, MCL 445.2011, 445.2025, and 445.2030)

R 408.30500, R 408.30501b, R 408.30505, R 408.30513, R 408.30515, R 408.30516, R 408.30518, R 408.30519, R 408.30521a, R 408.30524, R 408.30529, R 408.30530, R 408.30532, R 408.30533, R 408.30533a, R 408.30533b, R 408.30534, R 408.30535, R 408.30536, R 408.30541a, R 408.30544, and R 408.30544b of the Michigan Administrative Code are amended, R 408.30533c is added, and R 408.30501a, R 408.30506, R 408.30507, R 408.30509, R 408.30510, R 408.30510a, R 408.30521, R 408.30522a, R 408.30522b, R 408.30523, R 408.30523a, R 408.30525a, R 408.30528, R 408.30528a, R 408.30536a, R 408.30537, R 408.30537a, R 408.30537b, R 408.30537c, R 408.30537d, R 408.30538, R 408.30539a, R 408.30540, R 408.30542, R 408.30544a, R 408.30545, R 408.30545a, R 408.30547b, R 408.30547c, R 408.30547d, R 408.30547e, R 408.30547f, and R 408.30547g are rescinded, as follows:

PART 5. RESIDENTIAL CODE

R 408.30500 Applicable code.

Rule 500. The provisions of the international residential code, ~~2015~~ **2021** edition, including appendices ~~A-AA, B AB, C AC, D AD, E AE, F AF, G AG, H AJ, K AK, L AN, M AO, P AP, R AR,~~ and ~~S AS~~ except for Sections R104.2, R104.3, R104.5, R104.7, R104.8, R104.8.1, R105.3, R105.3.1, R105.3.2, R105.6, R105.9, R108.3, R108.4, R108.5, R108.6, R109.1, R112.2, R112.3, R112.4, R113.1 to R113.3, R113.4, R114.1 and R114.2, R313.1.1 to R313.2.1, R602.11, R602.12, N1102.3.2, tables R507.2.3, N1101.12.3(3) and ~~figure R507.2.1(2),~~ R507.2.3(1), R507.2.3(2), and R507.2.4, sections M1411.8, G2411.1.1.1 to G2411.1.1.5, G2439.7.2, P2503.9, P2709.2.3, P2904.1.1 to P2904.8.2, P2905.1, P2905.2, figure P2904.2.4.2, table P2904.2.2, tables P2904.6.2(1) to P2904.6.2(9), P3009.1 to P3009.11.1, ~~E3902.15, E3902.16, E3902.17,~~ **E3401.2 to E4304.5** and AJ102.4, the IBC ~~2015-2021,~~ **IECC-2015-2021,** **IMC-2015-2021,** **IPC-2015-2021,** **NFPA 70-2014-2023** listed in chapter 44 govern the

construction, alteration, relocation, demolition, use, and occupancy of buildings and structures, and, with the exceptions noted, the international residential code is adopted by reference in these rules. All references to the International Building Code, International Residential Code, International Energy Conservation Code, National Electrical Code, International Existing Building Code, International Mechanical Code, and International Plumbing Code mean the Michigan Building Code, Michigan Residential Code, Michigan Energy Code, Michigan Electrical Code, Michigan Rehabilitation Code for Existing Buildings, Michigan Mechanical Code, and Michigan Plumbing Code, respectively. The code is available for inspection and purchase at the Department of Licensing and Regulatory Affairs, Bureau of Construction Codes, 611 West Ottawa Street St., 4<sup>th</sup> First Floor Ottawa Building, Lansing, Michigan 48933. The code may be purchased from the International Code Council, through the bureau's website at [www.michigan.gov/bcc](http://www.michigan.gov/bcc), at a cost as of the time of adoption of these rules of ~~\$118.00~~ **\$140.00 for each code book**.

**R 408.30501a Scope. Rescinded.**

Rule 501a. ~~Section R101.2 of the code is amended to read as follows:~~

~~R101.2. Scope. The provisions of the Michigan residential code for 1- and 2-family dwellings shall apply to the construction, alteration, movement, enlargement, replacement, repair, equipment, use and occupancy, location, removal and demolition of detached 1- and 2-family dwellings and townhouses not more than 3 stories above grade plane in height with a separate means of egress and their accessory structures.~~

~~Exceptions:~~

~~1. Live/work units complying with the requirements of Section 419 of the Michigan building code may be built as 1- and 2-family dwellings or townhouses. Fire suppression required by Section 419.5 of the Michigan building code when constructed under the Michigan residential code for 1- and 2-family dwellings shall conform to Section P2904.~~

~~2. Owner-occupied bed and breakfast and board and room facilities may be constructed in accordance with sections 4b and 13c of the Stille-DeRossett-Hale single state construction code act, 1972 PA 230, MCL 125.1504b and MCL 125.1513c.~~

**R 408.30501b Intent.**

Rule 501b. Sections **R101.3 and 101.4** of the code **are is** amended to read as follows:

R101.3. Intent. The purpose of this code is to establish minimum requirements to safeguard the public safety, health, and general welfare through affordability, structural strength, means of egress facilities, stability, sanitation, light and ventilation, energy conservation, and safety to life and property from fire and other hazards attributed to the built environment, and to provide safety to fire fighters and emergency responders during emergency operations. The Stille-DeRossett-Hale single state construction code act, 1972 PA 230, MCL 125.1501 to ~~MCL 125.1531~~, takes precedence over all provisions of this code.

~~R101.4. Severability. If any section, subsection, sentence, clause, or phrase of this code is found to be invalid by a court of competent jurisdiction, such decision will not affect the validity of the remaining portions of this code.~~

**R 408.30505 Work exempt from permit.**

Rule 505. Section R105.2 of the code is amended to read as follows:

R105.2. Work exempt from permit. Exemption from the permit requirements of the code shall not be deemed to grant authorization for any work to be done in any manner in violation of the provisions of

the code or any other laws or ordinances of this jurisdiction. Permits are not required for any of the following:

- (a) Building permits shall not be required for any of the following:
  - (i) One-story detached accessory structures, if the floor area does not exceed 200 square feet, ~~(18.58 m<sup>2</sup> meters squared)~~.
  - (ii) A fence that is not more than 7 feet, ~~(2,134 mm millimeters)~~, high.
  - (iii) A retaining wall that is not more than 4 feet, ~~(1,219 mm millimeters)~~, in height measured from the bottom of the footing to the top of the wall, unless supporting a surcharge.
  - (iv) A water tank supported directly upon grade if the capacity is not more than 5,000 gallons ~~(18,927 L liters)~~ and the ratio of height to diameter or width is not greater than 2 to 1.
  - (v) A sidewalk and driveway not more than 30 inches, ~~(762 mm millimeters)~~, above adjacent grade and not over any basement or story below and not part of an accessible route.
  - (vi) Painting, papering, tiling, carpeting, cabinets, counter tops, and similar finish work.
  - (vii) A prefabricated swimming pool that is less than 24 inches, ~~(610 mm millimeters)~~, deep, and not greater than 5,000 gallons, ~~(18,925 L liters)~~, and is installed entirely above ground.
  - (viii) Swings and other playground equipment accessory to detached 1- or 2-family dwellings.
  - (ix) Window awnings in group R-3 and U occupancies, supported by an exterior wall that do not project more than 54 inches, ~~(1,372 mm millimeters)~~, from the exterior wall and do not require additional support, as applicable in ~~Section~~ 101.2 and group U occupancies.
  - (x) Decks, porches, patios, landings, or similar structures not exceeding 200 square feet, ~~(18.58 m<sup>2</sup> meters squared)~~, in area, that are not more than 30 inches, ~~(762 mm millimeters)~~, above grade at any point as prescribed by ~~Section~~ R312.1.1, are not attached to a dwelling or its accessory structures, are not within 36 inches, ~~(914 mm millimeters)~~, of a dwelling or its accessory structures, and do not serve any ingress or egress door of the dwelling or its accessory structures.
- ~~(b) Electrical permits shall not be required, as in accordance with the Michigan electrical code, R 408.30801 to R 408.30880, for any of the following:~~
  - ~~–(i) Repairs and maintenance: Minor repair work, including the replacement of lamps or the connection of approved portable electrical equipment to approved permanently installed receptacles.~~
  - ~~–(ii) Radio and television transmitting stations: The provisions of the code do not apply to electrical equipment used for radio and television transmissions, but do apply to equipment and wiring for power supply and to the installation of towers and antennas.~~
  - ~~–(iii) Temporary testing systems: A permit is not required for the installation of any temporary system required for the testing or servicing of electrical equipment or apparatus.~~
- (be) Mechanical permits shall not be required for any of the following:
  - (i) A portable heating or gas appliance that has inputs of less than 30,000 BTU's **British thermal units, BTUs**, per hour.
  - (ii) Portable ventilation appliances and equipment.
  - (iii) A portable cooling unit.
  - (iv) Steam, hot water, or chilled water piping within any heating or cooling equipment or appliances regulated by this code.
  - (v) ~~Replacement of any minor part that does not alter the approval of equipment or an appliance or make such equipment or appliance unsafe. Except for a heat exchanger, replacement of any manufacturer installed part on a listed and labeled appliance or listed and labeled equipment, if the replacement does not alter the approval of the appliance or equipment or make the appliance or equipment unsafe.~~
  - (vi) A portable evaporative cooler.



(vii) Self-contained refrigeration systems that contain 10 pounds, ~~(4.5 kg kilograms)~~, or less of refrigerant, or that are actuated by motors of 1 horsepower, ~~(0.75kW kilowatt)~~, or less.

(viii) Portable fuel cell appliances that are not connected to a fixed piping system and are not interconnected to a power grid.

(ix) An oil burner that does not require connection to a flue, such as an oil stove and a heater equipped with a wick.

~~(x) A portable gas burner that has inputs of less than 30,000 BTU's per hour.~~

~~(xi)(x)~~ When changing or relocating a gas meter or regulator, a permit is not required when installing gas piping which shall be limited to 10 feet, ~~(3,005 mm millimeters)~~, in length and not more than 6 fittings.

~~(xii)(xi)~~ When installing geothermal vertical closed loops under the supervision of a mechanical contractor licensed in HVAC as long as the company meets both the following:

(A) Has obtained a certificate of registration as a well drilling contractor pursuant to part 127 of the public health code, 1978 PA 368, MCL 333.12701 to 333.12771.

(B) Has installed the geothermal vertical closed loops in accordance with the department of environment, Great Lakes, and energy's best practices regarding geothermal heat pump closed loops. ~~Exemption from the permit requirements of this code shall not be deemed to grant authorization for work to be done in violation of the provisions of this code or other laws or ordinances of this jurisdiction.~~

~~(cd)~~ Plumbing permits shall not be required for either of the following:

(i) The stopping of leaks in drains, water, soil, waste, or vent pipe. If any concealed trap, drainpipe, water, soil, waste, or vent pipe becomes defective and it becomes necessary to remove and replace the same with new material, then the work is considered as new work and a permit shall be obtained and inspection made as provided in the code.

(ii) The clearing of stoppages or the repairing of leaks in pipes, valves, or fixtures, and the removal and reinstallation of water closets, if the repairs do not involve or require the replacement or rearrangement of valves, pipes, or fixtures.

#### R 408.30506 ~~Submittal documents.~~ **Rescinded.**

Rule 506. Sections R106.1.4 and R802.10.1 of the code are amended and

Section R106.1.4 and figure 802.10.1 are added to the code to read as follows:

~~R106.1.4. Truss design data. As an alternative to the submission of truss design drawings, figure R802.10.1, the truss design data sheet, may be provided to the building official as part of the construction documents at the time of application. Truss design drawings shall be submitted to the building official prior to truss installation as required by Section R802.10.1. R802.10.1 Truss design drawings. Truss design drawings, prepared in conformance with Section R802.10.1, shall be provided to the building official and approved prior to installation. The truss design data sheet, figure R802.10.1, may be provided to the building official at the time of permit application, as an alternative to design drawings as permitted in Section R106.1.4. Truss design drawings shall include, at a minimum, the information: specified below. Truss design drawings shall be provided with the shipment of trusses delivered to the jobsite.~~

~~-(1) Slope or depth, span, and spacing.~~

~~-(2) Location of all joints.~~

~~-(3) Required bearing widths.~~

~~-(4) Design loads as applicable.~~

~~-(a) Top chord live load (including snow loads).~~

~~-(b) Top chord dead load.~~

- ~~–(c) Bottom chord live load.~~
- ~~–(d) Bottom chord dead load.~~
- ~~–(e) Concentrated loads and their points of application.~~
- ~~–(f) Controlling wind and earthquake loads.~~
- ~~–(5) Adjustments to lumber and joint connector design values for conditions of use.~~
- ~~–(6) Each reaction force and direction.~~
- ~~–(7) Joint connector type and description, (e.g. size, thickness, or gauge) and the dimensioned location of each joint connector except where symmetrically located relative to the joint interface.~~
- ~~–(8) Lumber size, species, and grade for each member.~~
- ~~–(9) Connection requirements for the following:~~
  - ~~–(a) Truss to truss girder.~~
  - ~~–(b) Truss ply to ply.~~
  - ~~–(c) Field splices.~~
- ~~–(10) Calculated deflection ratio and/or maximum description for live and total load.~~
- ~~–(11) Maximum axial compression forces in the truss members to enable the building designer to design the size, connections, and anchorage of the permanent continuous lateral bracing. Forces shall be shown on the truss design drawing or on supplemental documents.~~
- ~~–(12) Required permanent truss member bracing location.~~

**R 408.30507 Duct termination. Rescinded.**

- ~~–Rule 507. Section M1502.3 of the code is amended to read as follows:~~
- ~~–M1502.3. Exhaust ducts shall terminate on the outside of the building. Exhaust duct terminations shall be in accordance with the dryer manufacturer's installation instructions. If the manufacturer's instructions do not specify a termination location, the exhaust duct shall terminate no less than 3 feet (914 mm) in any direction from openings into buildings or ventilated section in a soffit. Exhaust duct terminations shall be equipped with a backdraft damper. Screens shall not be installed at the duct termination.~~

**R 408.30509 Frame and masonry inspection. Rescinded.**

- ~~–Rule 509. Section R109.1.4 of the code is amended to read as follows:~~
- ~~–R109.1.4. Frame and masonry inspection. Inspection of framing construction shall be made after the roof, all framing, firestopping, draftstopping, and bracing are in place and after the plumbing, mechanical, and electrical rough inspections are approved. Masonry inspections shall be made after the completed installation of base course flashing as specified in section R703.7.5 of the code and water-resistive barrier as specified in section R703.2 of the code and after the masonry construction is completed.~~

**R 408.30510 Use and occupancy. Rescinded.**

- ~~–Rule 510. Sections R110.1, R110.2, and R110.3 of the code are amended to read as follows:~~
- ~~–R110.1. Use and occupancy. A building or structure shall not be used or occupied, and a change in the existing occupancy classification of a building or structure or portion thereof shall not be made, until a certificate of occupancy has been issued in accordance with the act.~~
- ~~–R110.2. Change in use. A change in the character or use of an existing structure shall not be made, except as specified in the Michigan building code, R 408.30401 to R 408.30499.~~

~~R110.3 Certificate issued. After the building official inspects the building or structure and finds no violations of the provisions of this code or other laws that are enforced by the department of building safety, the building official shall issue a certificate of occupancy which shall contain the following:~~

- ~~-(a) The building permit number.~~
- ~~-(b) The address of the structure.~~
- ~~-(c) A description of that portion of the structure for which the certificate is issued.~~
- ~~-(d) A statement that the described portion of the structure has been inspected for compliance with the requirements of this code.~~
- ~~-(e) The name of the building official.~~
- ~~-(f) The edition of the code under which the permit was issued.~~
- ~~-(g) Any special stipulations and conditions of the building permit.~~

**R 408.30510a Fire classification. ~~Rescinded.~~**

~~Rule 510a. Section R902.1 is amended and Sections R902.3 and R902.4 of the code are added to read as follows:~~

~~R902.1. Roof covering materials. Roofs shall be covered with materials as set forth in Sections R904 and R905. Class A, B, or C roofing shall be installed in jurisdictions designated by law as requiring their use or where the edge of the roof is less than 3 feet (914 mm) from a lot line. Classes A, B, and C roofing required by this section to be listed shall be tested in accordance with UL 790 or ASTM E 108.~~

~~Exceptions:~~

- ~~1. Class A roof assemblies include those with coverings of brick, masonry, and exposed concrete roof deck.~~
- ~~2. Class A roof assemblies also include ferrous or copper shingles or sheets, metal sheets and shingles, clay or concrete roof tile, or slate installed on noncombustible decks.~~
- ~~3. Class A roof assemblies include minimum 16 ounces per square foot copper sheets installed over combustible decks.~~
- ~~4. Class A roof assemblies include slate installed over underlayment over combustible decks.~~

**R 408.30513 Definitions.**

Rule 513. The definitions of attic and sunroom addition in Section R202 of the code are amended to read as follows:

**R202. Definitions.**

(a) “Attic, uninhabitable with limited storage” means uninhabitable attics with limited storage where the minimum clear height between joists and rafters is 42 inches, (1,063 ~~mm~~ **millimeters**), or greater or where there are not 2 or more adjacent trusses with web configurations capable of accommodating an assumed rectangle 42 inches, (1,063 ~~mm~~ **millimeters**), high by 24 inches, (610 ~~mm~~ **millimeters**), in width, or greater, within the plane of the trusses.

(b) “Attic, uninhabitable without storage” means uninhabitable attics without storage where the maximum clear height between joists and rafters is less than 42 inches, (1,063 ~~mm~~ **millimeters**), or where there are not 2 or more adjacent trusses with web configurations capable of accommodating an assumed rectangle 42 inches, (1,063 ~~mm~~ **millimeters**), high by 24 inches, (610 ~~mm~~ **millimeters**), in width, or greater, within the plane of the trusses. ~~Building Inspector” means the individual who is responsible for the administration and enforcement of the construction of buildings, structures, or appurtenances under the state construction code specified in R 408.30499 and who is registered in compliance with 2016 PA 407, MCL 339.5101 to 339.6133.~~

(c) “Building Official” means the person who is appointed and employed by a governmental subdivision, who is charged with the administration and enforcement of the state codes specified in R 408.30499, and who is registered in compliance with 2016 PA 407, MCL 339.5101 to 339.6133.

(d) “Registered design professional” means an individual who is licensed under the occupational code, 1980 PA 299, MCL 339.101 to 339.2919**2677**.

(e) ~~“Registered inspector” means an individual who is licensed under the occupational code, 1980 PA 299, MCL 339.101 to 339.2919.~~ “Sunroom addition” means a new structure with glazing in excess of 40% of the gross area of the structure's exterior walls and roof added to an existing dwelling.

R 408.30515 Ground snow loads.

Rule 515. Figure R301.2(5) and ~~T~~table R301.2(1) of the code are amended and ~~T~~table R301.2(5) is added to the code to read as follows:

FIGURE R301.2(5)  
Ground Snow Load  $P_g$  for Michigan (lb/ft<sup>2</sup>)

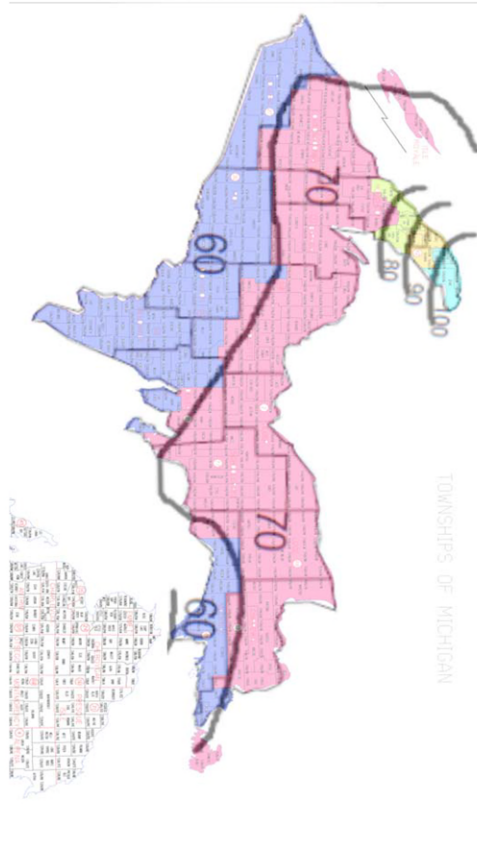




Table R301.2(5)P  
Michigan Ground Snow Loads by Jurisdiction

County	Ground Snow Load	Jurisdictions
ALCONA	50	All
ALGER	70	All
ALLEGAN	50	All except:
	35	CITY OF ALLEGAN CITY OF OTSEGO CITY OF PLAINWELL CITY OF WAYLAND VILLAGE OF HOPKINS VILLAGE OF MARTIN TOWNSHIP OF ALLEGAN TOWNSHIP OF DORR TOWNSHIP OF GUN PLAIN TOWNSHIP OF HOPKINS TOWNSHIP OF LEIGHTON TOWNSHIP OF MARTIN TOWNSHIP OF MONTEREY TOWNSHIP OF OTSEGO TOWNSHIP OF SALEM TOWNSHIP OF TROWBRIDGE TOWNSHIP OF WATSON TOWNSHIP OF WAYLAND
ALPENA	50	All
ANTRIM	60	All except

	70	<del>TOWNSHIP OF BANKS</del> <del>TOWNSHIP OF CENTRAL LAKE</del> <del>TOWNSHIP OF ECHO</del> <del>TOWNSHIP OF JORDAN</del> <del>TOWNSHIP OF WARNER</del>
ARENAC	40	All
BARAGA	70	All
BARRY	35	All except:
	30	VILLAGE OF NASHVILLE <del>TOWNSHIP OF ASSYRIA</del> <del>TOWNSHIP OF BARRY</del> <del>TOWNSHIP OF</del> <del>JOHNSTOWN</del> <del>TOWNSHIP OF MAPLE GROVE</del>
BAY	35	All except:
	40	CITY OF PINCONNING <del>TOWNSHIP OF FRASER</del> <del>TOWNSHIP OF GARFIELD</del> <del>TOWNSHIP OF GIBSON</del> <del>TOWNSHIP OF MT.</del> <del>FOREST</del> <del>TOWNSHIP OF</del> <del>PINCONNING</del>
BENZIE	60	All
BERRIEN	50	All
BRANCH	25	All except:
	20	<del>TOWNSHIP OF ALGANSEE</del> <del>TOWNSHIP OF</del> <del>CALIFORNIA</del> <del>TOWNSHIP OF GILEAD</del> <del>TOWNSHIP OF</del> <del>KINDERHOOK</del> <del>TOWNSHIP OF OVID</del>
CALHOUN	25	All except:



	30	<del>CITY OF BATTLE CREEK</del> <del>CITY OF MARSHALL</del> <del>CITY OF SPRINGFIELD</del> <del>VILLAGE OF ATHENS</del> <del>TOWNSHIP OF ATHENS</del> <del>TOWNSHIP OF BATTLE CREEK</del> <del>TOWNSHIP OF BEDFORD</del> <del>TOWNSHIP OF CONVIS</del> <del>TOWNSHIP OF EMMET</del> <del>TOWNSHIP OF LEE</del> <del>TOWNSHIP OF LEROY</del> <del>TOWNSHIP OF MARENGO</del> <del>TOWNSHIP OF MARSHALL</del> <del>TOWNSHIP OF NEWTON</del> <del>TOWNSHIP OF PENNFIELD</del>
CASS	30	All except:
	50	<del>CITY OF DOWAGIAC</del> <del>VILLAGE OF CASSOPOLIS</del>

		<del>VILLAGE OF EDWARDSBURG</del> <del>TOWNSHIP OF HOWARD</del> <del>TOWNSHIP OF LA GRANGE</del> <del>TOWNSHIP OF MILTON</del> <del>TOWNSHIP OF POKAGON</del> <del>TOWNSHIP OF SILVER CREEK</del> <del>TOWNSHIP OF WAYNE</del>
CHARLEVOIX	70	All
CHEBOYGAN	70	All except:
	60	<del>CITY OF CHEBOYGAN</del> <del>VILLAGE OF AFTON</del> <del>VILLAGE OF WOLVERINE</del> <del>TOWNSHIP OF ALOHA</del> <del>TOWNSHIP OF BENTON</del> <del>TOWNSHIP OF ELLIS</del> <del>TOWNSHIP OF GRANT</del> <del>TOWNSHIP OF KOEHLER</del> <del>TOWNSHIP OF NUNDA</del> <del>TOWNSHIP OF WALKER</del> <del>TOWNSHIP OF WAVERLY</del> <del>TOWNSHIP OF WILMOT</del>
	50	<del>TOWNSHIP OF FOREST</del>
CHIPPEWA	70	All except:

	60	VILLAGE OF DE TOUR TOWNSHIP OF DETOUR TOWNSHIP OF RABER
CLARE	40	All except:
	50	TOWNSHIP OF SUMMERFIELD TOWNSHIP OF WINTERFIELD
CLINTON	30	All except:
	35	CITY OF ST. JOHNS VILLAGE OF FOWLER VILLAGE OF MAPLE RAPIDS VILLAGE OF WESTPHALIA TOWNSHIP OF BENGAL TOWNSHIP OF DALLAS TOWNSHIP OF ESSEX TOWNSHIP OF GREENBUSH TOWNSHIP OF LEBANON TOWNSHIP OF WESTPHALIA
CRAWFORD	50	All
DELTA	60	All except:
	70	TOWNSHIP OF GARDEN TOWNSHIP OF MASONVILLE TOWNSHIP OF NAHMA
DICKINSON	60	All
EATON	30	All except:
	35	VILLAGE OF MULLIKEN VILLAGE OF SUNFIELD TOWNSHIP OF SUNFIELD

EMMET	70	All
GENESEE	30	All except:
	25	<del>CITY OF DAVISON</del> <del>CITY OF FENTON</del> <del>CITY OF GRAND BLANC</del> <del>CITY OF LINDEN</del> <del>VILLAGE OF GAINES</del> <del>VILLAGE OF GOODRICH</del> <del>TOWNSHIP OF ARGENTINE</del> <del>TOWNSHIP OF ATLAS</del>  <del>TOWNSHIP OF DAVISON</del> <del>TOWNSHIP OF FENTON</del> <del>TOWNSHIP OF GRAND BLANC</del> <del>TOWNSHIP OF MUNDY</del>
GLADWIN	40	All
GOGEBIC	60	All
GRAND TRAVERSE	60	All
GRATIOT	35	All
HILLSDALE	20	All except:
	25	<del>CITY OF LITCHFIELD</del> <del>TOWNSHIP OF LITCHFIELD</del> <del>TOWNSHIP OF SCIPIO</del>
HOUGHTON	80	All except:
	70	<del>TOWNSHIP OF ADAMS</del> <del>TOWNSHIP OF CHASSELL</del> <del>TOWNSHIP OF DUNCAN</del> <del>TOWNSHIP OF ELM RIVER</del> <del>TOWNSHIP OF LAIRD</del> <del>TOWNSHIP OF PORTAGE</del>
HILLSDALE	20	All except:

	90	VILLAGE OF CALUMET VILLAGE OF COPPER CITY VILLAGE OF LAKE LINDEN VILLAGE OF LAURIUM TOWNSHIP OF CALUMET TOWNSHIP OF SCHOOLCRAFT
HURON	35	All
INGHAM	25	All except:
	30	CITY OF EAST LANSING CITY OF LANSING CITY OF MASON TOWNSHIP OF ALAIEDON TOWNSHIP OF AURELIUS TOWNSHIP OF DELHI TOWNSHIP OF LANSING TOWNSHIP OF MERIDIAN TOWNSHIP OF WILLIAMSTOWN
IONIA	35	All
IOSCO	40	All
IRON	60	All
ISABELLA	40	All except:
	35	VILLAGE OF SHEPHERD TOWNSHIP OF CHIPPEWA TOWNSHIP OF COE

		<del>TOWNSHIP OF FREMONT</del> <del>TOWNSHIP OF LINCOLN</del> <del>TOWNSHIP OF UNION</del>
JACKSON	25	All except:
	20	<del>VILLAGE OF BROOKLYN</del> <del>TOWNSHIP OF COLUMBIA</del> <del>TOWNSHIP OF NORVELL</del>
KALAMAZOO	30	All except:
	35	<del>CITY OF PARCHMENT</del> <del>TOWNSHIP OF ALAMO</del> <del>TOWNSHIP OF COOPER</del> <del>TOWNSHIP OF OSHTEMO</del>
KALKASKA	60	All
KENT	35	All except:
	40	<del>CITY OF CEDAR SPRINGS</del> <del>VILLAGE OF CASNOVIA</del> <del>VILLAGE OF KENT CITY</del> <del>VILLAGE OF SAND LAKE</del> <del>VILLAGE OF SPARTA</del> <del>TOWNSHIP OF NELSON</del> <del>TOWNSHIP OF SOLON</del> <del>TOWNSHIP OF SPARTA</del> <del>TOWNSHIP OF TYRONE</del>
KEWEENAW	90	All except:
	100	<del>TOWNSHIP OF EAGLE HARBOR</del> <del>TOWNSHIP OF GRANT</del> <del>TOWNSHIP OF HOUGHTON</del>
LAKE	60	All except:

	50	<del>TOWNSHIP OF CHASE</del> <del>TOWNSHIP OF CHERRY VALLEY</del> <del>TOWNSHIP OF ELLSWORTH</del> <del>TOWNSHIP OF PINORA</del> <del>TOWNSHIP OF PLEASANT PLAINS</del> <del>TOWNSHIP OF YATES</del>
LAPEER	25	All except:
	30	<del>VILLAGE OF CLIFFORD</del> <del>VILLAGE OF COLUMBIAVILLE</del> <del>VILLAGE OF NORTH BRANCH</del> <del>VILLAGE OF OTTER LAKE</del> <del>TOWNSHIP OF BURLINGTON</del> <del>TOWNSHIP OF BURNSIDE</del> <del>TOWNSHIP OF DEERFIELD</del> <del>TOWNSHIP OF MARATHON</del> <del>TOWNSHIP OF NORTH BRANCH</del> <del>TOWNSHIP OF OREGON</del> <del>TOWNSHIP OF RICH</del>
LEELANAU	60	All
LENAWEE	20	All
LIVINGSTON	25	All

LUCE	70	All
MACKINAC	60	All except:
	70	TOWNSHIP OF NEWTON TOWNSHIP OF PORTAGE
MACOMB	25	All
MANISTEE	60	All
MARQUETTE	70	All except:
	60	TOWNSHIP OF EWING TOWNSHIP OF WELLS TOWNSHIP OF REPUBLIC
MASON	60	All
MECOSTA	40	All
MENOMINEE	60	All
MIDLAND	35	All except:
	40	CITY OF COLEMAN VILLAGE OF SANFORD TOWNSHIP OF EDENVILLE TOWNSHIP OF GENEVA TOWNSHIP OF HOPE TOWNSHIP OF MILLS TOWNSHIP OF WARREN
MISSAUKEE	50	All except:
	60	TOWNSHIP OF BLOOMFIELD TOWNSHIP OF CALDWELL TOWNSHIP OF PIONEER
MONROE	20	All
MONTCALM	35	All except:



	40	<del>VILLAGE OF HOWARD CITY</del> <del>VILLAGE OF LAKEVIEW</del> <del>VILLAGE OF PIERSON</del> <del>TOWNSHIP OF CATO</del> <del>TOWNSHIP OF MAPLE VALLEY</del> <del>TOWNSHIP OF PIERSON</del> <del>TOWNSHIP OF REYNOLDS</del> <del>TOWNSHIP OF WINFIELD</del>
<del>MONTMORENCY</del>	50	All
<del>MUSKEGON</del>	40	All except
	50	<del>TOWNSHIP OF HOLTON</del> <del>TOWNSHIP OF BLUE LAKE</del>
	60	<del>CITY OF MONTAGUE</del> <del>CITY OF MUSKEGON</del> <del>CITY OF MUSKEGON HEIGHTS</del> <del>CITY OF NORTH MUSKEGON</del> <del>CITY OF NORTON SHORES</del> <del>CITY OF ROOSEVELT PARK</del> <del>CITY OF WHITEHALL</del> <del>TOWNSHIP OF DALTON</del> <del>TOWNSHIP OF FRUITLAND</del> <del>TOWNSHIP OF FRUITPORT</del> <del>TOWNSHIP OF LAKETON</del> <del>TOWNSHIP OF MONTAGUE</del> <del>TOWNSHIP OF MUSKEGON</del> <del>TOWNSHIP OF SULLIVAN</del> <del>TOWNSHIP OF WHITEHALL</del> <del>TOWNSHIP OF WHITE RIVER</del> <del>VILLAGE OF FRUITPORT</del> <del>VILLAGE OF LAKEWOOD CLUB</del>
<del>NEWAYGO</del>	40	All except:

	50	<del>VILLAGE OF HESPERIA</del> <del>TOWNSHIP OF BARTON</del> <del>TOWNSHIP OF BEAVER</del> <del>TOWNSHIP OF DENVER</del> <del>TOWNSHIP OF HOME</del> <del>TOWNSHIP OF LILLEY</del>  <del>TOWNSHIP OF MERRILL</del>  <del>TOWNSHIP OF TROY</del>
OAKLAND	25	All
OCEANA	60	All except
	50	<del>VILLAGE OF HESPERIA</del> <del>VILLAGE OF</del> <del>WALKERVILLE</del> <del>TOWNSHIP OF COLFAX</del> <del>TOWNSHIP OF CRYSTAL</del> <del>TOWNSHIP OF ELBRIDGE</del> <del>TOWNSHIP OF FERRY</del> <del>TOWNSHIP OF</del> <del>GREENWOOD</del> <del>TOWNSHIP OF LEAVITT</del> <del>TOWNSHIP OF NEWFIELD</del> <del>TOWNSHIP OF OTTO</del>
OGEMAW	40	All except

	50	<del>CITY OF ROSE CITY</del> <del>TOWNSHIP OF CUMMINGS</del> <del>TOWNSHIP OF FOSTER</del> <del>TOWNSHIP OF GOODAR</del> <del>TOWNSHIP OF HILL</del> <del>TOWNSHIP OF KLACKING</del> <del>TOWNSHIP OF OGEMAW</del> <del>TOWNSHIP OF ROSE</del>
ONTONAGON	70	All except:
	60	<del>TOWNSHIP OF HAIGHT</del> <del>TOWNSHIP OF INTERIOR</del> <del>TOWNSHIP OF MCMILLAN</del>
OSCEOLA	50	All except:
	40	<del>CITY OF EVART</del> <del>VILLAGE OF HERSEY</del> <del>TOWNSHIP OF EVART</del> <del>TOWNSHIP OF HERSEY</del> <del>TOWNSHIP OF ORIENT</del> <del>TOWNSHIP OF OSCEOLA</del> <del>TOWNSHIP OF SYLVAN</del>
OSCODA	50	All
OTSEGO	50	All except:
	60	<del>VILLAGE OF ELMIRA</del> <del>VILLAGE OF VANDERBILT</del> <del>TOWNSHIP OF CORWITH</del> <del>TOWNSHIP OF ELMIRA</del> <del>TOWNSHIP OF HAYES</del> <del>TOWNSHIP OF LIVINGSTON</del>

OTTAWA	50	All except:
	35	<del>TOWNSHIP OF GEORGETOWN</del> <del>TOWNSHIP OF JAMESTOWN</del> <del>TOWNSHIP OF TALLMADGE</del> <del>TOWNSHIP OF ZEELAND</del>
	40	<del>CITY OF COOPERSVILLE</del> <del>TOWNSHIP OF ALLENDALE</del> <del>TOWNSHIP OF BLENDON</del> <del>TOWNSHIP OF CHESTER</del> <del>TOWNSHIP OF POLKTON</del> <del>TOWNSHIP OF WRIGHT</del>
PRESQUE ISLE	50	All except
	60	<del>TOWNSHIP OF BEARINGER</del>
ROSCOMMON	50	All except
	40	<del>TOWNSHIP OF NESTER</del>
SAGINAW	35	All except:

	30	<del>CITY OF FRANKENMUTH</del> <del>VILLAGE OF BIRCH RUN</del> <del>VILLAGE OF CHESANING</del> <del>VILLAGE OF OAKLEY</del> <del>TOWNSHIP OF ALBEE</del> <del>TOWNSHIP OF BIRCH RUN</del> <del>TOWNSHIP OF BRADY</del> <del>TOWNSHIP OF BRIDGEPORT</del> <del>TOWNSHIP OF CHAPIN</del> <del>TOWNSHIP OF CHESANING</del> <del>TOWNSHIP OF FRANKENMUTH</del> <del>TOWNSHIP OF MAPLE GROVE</del> <del>TOWNSHIP OF ST. CHARLES</del>
		<del>TOWNSHIP OF TAYMOUTH</del>
SANILAC	30	All except:
	25	<del>VILLAGE OF MELVIN</del> <del>TOWNSHIP OF FREMONT</del> <del>TOWNSHIP OF WORTH</del>
	35	<del>VILLAGE OF MINDEN CITY</del> <del>TOWNSHIP OF AUSTIN</del> <del>TOWNSHIP OF GREENLEAF</del> <del>TOWNSHIP OF MINDEN</del>
SCHOOLCRAFT	70	All
SHIAWASSEE	30	All except:
	25	<del>VILLAGE OF BYRON</del> <del>TOWNSHIP OF BURNS</del>

ST. CLAIR	25	All
ST. JOSEPH	30	All except:
	25	<del>CITY OF STURGIS</del> <del>VILLAGE OF BURR OAK</del> <del>VILLAGE OF COLON</del> <del>VILLAGE OF WHITE PIGEON</del> <del>TOWNSHIP OF BURR OAK</del> <del>TOWNSHIP OF COLON</del> <del>TOWNSHIP OF FAWN RIVER</del> <del>TOWNSHIP OF SHERMAN</del> <del>TOWNSHIP OF STURGIS</del> <del>TOWNSHIP OF WHITE PIGEON</del>
TUSCOLA	30	All except:
	35	<del>VILLAGE OF CARO</del> <del>VILLAGE OF CASS CITY</del> <del>VILLAGE OF FAIRGROVE</del> <del>VILLAGE OF GAGETOWN</del> <del>VILLAGE OF REESE</del> <del>VILLAGE OF UNIONVILLE</del> <del>TOWNSHIP OF AKRON</del> <del>TOWNSHIP OF ALMER</del> <del>TOWNSHIP OF COLUMBIA</del> <del>TOWNSHIP OF ELKLAND</del> <del>TOWNSHIP OF ELMWOOD</del> <del>TOWNSHIP OF FAIRGROVE</del> <del>TOWNSHIP OF GILFORD</del> <del>TOWNSHIP OF WISNER</del>
VAN BUREN	50	All except:
	30	TOWNSHIP OF PORTER

	35	<del>CITY OF GOBLES</del> <del>VILLAGE OF DECATUR</del> <del>VILLAGE OF LAWTON</del> <del>VILLAGE OF MATTAWAN</del> <del>VILLAGE OF PAW PAW</del> <del>TOWNSHIP OF ALMENA</del> <del>TOWNSHIP OF ANTWERP</del> <del>TOWNSHIP OF BLOOMINGDALE</del> <del>TOWNSHIP OF DECATUR</del> <del>TOWNSHIP OF PAW PAW</del> <del>TOWNSHIP OF PINE GROVE</del> <del>TOWNSHIP OF WAVERLY</del>
<del>WASHTENAW</del>	25	All except:
	20	<del>CITY OF ANN ARBOR</del> <del>CITY OF SALINE</del> <del>CITY OF YPSILANTI</del> <del>VILLAGE OF MANCHESTER</del> <del>TOWNSHIP OF AUGUSTA</del> <del>TOWNSHIP OF BRIDGEWATER</del> <del>TOWNSHIP OF LODI</del> <del>TOWNSHIP OF MANCHESTER</del> <del>TOWNSHIP OF PITTSFIELD</del> <del>TOWNSHIP OF SALINE</del> <del>TOWNSHIP OF SUPERIOR</del> <del>TOWNSHIP OF YORK</del> <del>TOWNSHIP OF YPSILANTI</del>
<del>WAYNE</del>	20	All except
	25	Northville
<del>WEXFORD</del>	60	All except
	50	<del>TOWNSHIP OF CLAM LAKE</del>

County	Ground Snow	Jurisdictions
Alcona	50	All
Alger	70	All
Allegan	50	All except:

	<b>35</b>	<b>city of Allegan</b> <b>city of Otsego</b> <b>city of Plainwell</b> <b>city of Wayland</b> <b>village of Hopkins</b> <b>village of Martin</b> <b>township of Allegan</b> <b>township of Dorr</b> <b>township of Gun Plain</b> <b>township of Hopkins</b> <b>township of Leighton</b> <b>township of Martin</b> <b>township of Monterey</b> <b>township of Otsego</b> <b>township of Salem</b> <b>township of Trowbridge</b> <b>township of Watson</b> <b>township of Wayland</b>
<b>Alpena</b>	<b>50</b>	<b>All</b>
<b>Antrim</b>	<b>60</b>	<b>All except:</b>
	<b>70</b>	<b>township of Banks</b> <b>township of Central Lake</b> <b>township of Echo</b> <b>township of Jordan</b> <b>township of Warner</b>
<b>Arenac</b>	<b>40</b>	<b>All</b>
<b>Baraga</b>	<b>70</b>	<b>All</b>
<b>Barry</b>	<b>35</b>	<b>All except:</b>
	<b>30</b>	<b>village of Nashville</b> <b>township of Assyria</b> <b>township of Barry</b> <b>township of Johnstown</b> <b>township of Maple Grove</b>
<b>Bay</b>	<b>35</b>	<b>All except:</b>
	<b>40</b>	<b>city of Pinconning</b> <b>township of Fraser</b> <b>township of Garfield</b> <b>township of Gibson</b> <b>township of Mt. Forest</b> <b>township of Pinconning</b>
<b>Benzie</b>	<b>60</b>	<b>All</b>
<b>Berrien</b>	<b>50</b>	<b>All</b>
<b>Branch</b>	<b>25</b>	<b>All except:</b>



	<b>20</b>	<b>township of Algansee</b> <b>township of California</b> <b>township of Gilead</b> <b>township of Kinderhook</b> <b>township of Ovid</b>
<b>Calhoun</b>	<b>25</b>	<b>All except:</b>
	<b>30</b>	<b>city of Battle Creek</b> <b>city of Marshall</b> <b>city of Springfield</b> <b>village of Athens</b> <b>township of Athens</b> <b>township of Battle Creek</b> <b>township of Bedford</b> <b>township of Convis</b> <b>township of Emmet</b> <b>township of Lee</b> <b>township of Leroy</b> <b>township of Marengo</b> <b>township of Marshall</b> <b>township of Newton</b> <b>township of Pennfield</b>
<b>Cass</b>	<b>30</b>	<b>All except:</b>
	<b>50</b>	<b>city of Dowagiac</b> <b>village of Cassopolis</b>
		<b>village of Edwardsburg</b> <b>township of Howard</b> <b>township of La Grange</b> <b>township of Milton</b> <b>township of Pokagon</b> <b>township of Silver Creek</b> <b>township of Wayne</b>
<b>Charlevoix</b>	<b>70</b>	<b>All</b>
<b>Cheboygan</b>	<b>70</b>	<b>All except:</b>

	<b>60</b>	<b>city of Cheboygan</b> <b>village of Afton</b> <b>village of Wolverine</b> <b>township of Aloha</b> <b>township of Benton</b> <b>township of Ellis</b> <b>township of Grant</b> <b>township of Koehler</b> <b>township of Nunda</b> <b>township of Walker</b> <b>township of Waverly</b> <b>township of Wilmot</b>
	<b>50</b>	<b>township of Forest</b>
<b>Chippewa</b>	<b>70</b>	<b>All except:</b>
	<b>60</b>	<b>village of DeTour</b> <b>township of DeTour</b> <b>township of Raber</b>
<b>Clare</b>	<b>40</b>	<b>All except:</b>
	<b>50</b>	<b>township of Summerfield</b> <b>township of Winterfield</b>
<b>Clinton</b>	<b>30</b>	<b>All except:</b>
	<b>35</b>	<b>city of St. Johns</b> <b>village of Fowler</b> <b>village of Maple Rapids</b> <b>village of Westphalia</b> <b>township of Bengal</b> <b>township of Dallas</b> <b>township of Essex</b> <b>township of Greenbush</b> <b>township of Lebanon</b> <b>township of Westphalia</b>
<b>Crawford</b>	<b>50</b>	<b>All</b>
<b>Delta</b>	<b>60</b>	<b>All except:</b>
	<b>70</b>	<b>township of Garden</b> <b>township of Masonville</b> <b>township of Nahma</b>
<b>Dickinson</b>	<b>60</b>	<b>All</b>
<b>Eaton</b>	<b>30</b>	<b>All except:</b>
	<b>35</b>	<b>village of Mulliken</b> <b>village of Sunfield</b> <b>township of Sunfield</b>
<b>Emmet</b>	<b>70</b>	<b>All</b>
<b>Genesee</b>	<b>30</b>	<b>All except:</b>

	25	city of Davison city of Fenton city of Grand Blanc city of Linden village of Gaines village of Goodrich township of Argentine township of Atlas township of Davison township of Fenton township of Grand Blanc township of Mundy
<b>Gladwin</b>	40	All
<b>Gogebic</b>	60	All
<b>Grand Traverse</b>	60	All
<b>Gratiot</b>	35	All
<b>Hillsdale</b>	20	All except:
	25	city of Litchfield township of Litchfield township of Scipio
<b>Houghton</b>	80	All except:
	70	township of Adams township of Chassell township of Duncan township of Elm River township of Laird township of Portage
	90	village of Calumet village of Copper City village of Lake Linden village of Laurium township of Calumet township of Schoolcraft
<b>Huron</b>	35	All
<b>Ingham</b>	25	All except:
	30	city of East Lansing city of Lansing city of Mason township of Alaiedon township of Aurelius township of Delhi township of Lansing township of Meridian township of Williamston
<b>Ionia</b>	35	All

<b>Iosco</b>	<b>40</b>	<b>All</b>
<b>Iron</b>	<b>60</b>	<b>All</b>
<b>Isabella</b>	<b>40</b>	<b>All except:</b>
	<b>35</b>	<b>village of Shepherd township of Chippewa township of Coe</b>
		<b>township of Fremont township of Lincoln township of Union</b>
<b>Jackson</b>	<b>25</b>	<b>All except:</b>
	<b>20</b>	<b>village of Brooklyn township of Columbia township of Norvell</b>
<b>Kalamazoo</b>	<b>30</b>	<b>All except:</b>
	<b>35</b>	<b>city of Parchment township of Alamo township of Cooper township of Oshtemo</b>
<b>Kalkaska</b>	<b>60</b>	<b>All</b>
<b>Kent</b>	<b>35</b>	<b>All except:</b>
	<b>40</b>	<b>city of Cedar Springs village of Casnovia village of Kent City village of Sand Lake village of Sparta township of Nelson township of Solon township of Sparta township of Tyrone</b>
<b>Keweenaw</b>	<b>90</b>	<b>All except:</b>
	<b>100</b>	<b>township of Eagle Harbor township of Grant township of Houghton</b>
<b>Lake</b>	<b>60</b>	<b>All except:</b>
	<b>50</b>	<b>township of Chase township of Cherry Valley township of Ellsworth township of Pinora township of Pleasant Plains township of Yates</b>
<b>Lapeer</b>	<b>25</b>	<b>All except:</b>

	<b>30</b>	<b>village of Clifford village of Columbiaville village of North Branch village of Otter Lake township of Burlington township of Burnside township of Deerfield township of Marathon township of North Branch township of Oregon township of Rich</b>
<b>Leelanau</b>	<b>60</b>	<b>All</b>
<b>Lenawee</b>	<b>20</b>	<b>All</b>
<b>Livingston</b>	<b>25</b>	<b>All</b>
<b>Luce</b>	<b>70</b>	<b>All</b>
<b>Mackinac</b>	<b>60</b>	<b>All except:</b>
	<b>70</b>	<b>township of Newton township of Portage</b>
<b>Macomb</b>	<b>25</b>	<b>All</b>
<b>Manistee</b>	<b>60</b>	<b>All</b>
<b>Marquette</b>	<b>70</b>	<b>All except:</b>
	<b>60</b>	<b>township of Ewing township of Wells township of Republic</b>
<b>Mason</b>	<b>60</b>	<b>All</b>
<b>Mecosta</b>	<b>40</b>	<b>All</b>
<b>Menominee</b>	<b>60</b>	<b>All</b>
<b>Midland</b>	<b>35</b>	<b>All except:</b>
	<b>40</b>	<b>city of Coleman village of Sanford township of Edenville township of Geneva township of Hope township of Mills township of Warren</b>
<b>Missaukee</b>	<b>50</b>	<b>All except:</b>
	<b>60</b>	<b>township of Bloomfield township of Caldwell township of Pioneer</b>
<b>Monroe</b>	<b>20</b>	<b>All</b>
<b>Montcalm</b>	<b>35</b>	<b>All except:</b>

	<b>40</b>	<b>village of Howard City village of Lakeview village of Pierson township of Cato township of Maple Valley township of Pierson township of Reynolds township of Winfield</b>
<b>Montmorency</b>	<b>50</b>	<b>All</b>
<b>Muskegon</b>	<b>40</b>	<b>All except:</b>
	<b>50</b>	<b>township of Holton township of Blue Lake</b>
	<b>60</b>	<b>city of Montague city of Muskegon city of Muskegon Heights city of North Muskegon city of Norton Shores city of Roosevelt Park city of Whitehall township of Dalton township of Fruitland township of Fruitport township of Laketon township of Montague township of Muskegon township of Sullivan township of Whitehall township of White River village of Fruitport village of Lakewood Club</b>
<b>Newaygo</b>	<b>40</b>	<b>All except:</b>
	<b>50</b>	<b>village of Hesperia township of Barton township of Beaver township of Denver township of Home township of Lilley township of Merrill township of Troy</b>
<b>Oakland</b>	<b>25</b>	<b>All</b>
<b>Oceana</b>	<b>60</b>	<b>All except:</b>

	<b>50</b>	<b>village of Hesperia village of Walkersville township of Colfax township of Crystal township of Elbridge township of Ferry township of Greenwood township of Leavitt township of Newfield township of Otto</b>
<b>Ogemaw</b>	<b>40</b>	<b>All except:</b>
	<b>50</b>	<b>city of Rose City township of Cummings township of Foster township of Goodar township of Hill township of Klacking township of Ogemaw township of Rose</b>
<b>Ontonagon</b>	<b>70</b>	<b>All except:</b>
	<b>60</b>	<b>township of Haight township of Interior township of McMillan</b>
<b>Osceola</b>	<b>50</b>	<b>All except:</b>
	<b>40</b>	<b>city of Evart village of Hersey township of Evart township of Hersey township of Orient township of Osceola township of Sylvan</b>
<b>Oscoda</b>	<b>50</b>	<b>All</b>
<b>Otsego</b>	<b>50</b>	<b>All except:</b>
	<b>60</b>	<b>village of Elmira village of Vanderbilt township of Corwith township of Elmira township of Hayes township of Livingston</b>
<b>Ottawa</b>	<b>50</b>	<b>All except:</b>
	<b>35</b>	<b>township of Georgetown township of Jamestown township of Tallmadge township of Zeeland</b>

	<b>40</b>	<b>city of Coopersville township of Allendale township of Blendon township of Chester township of Polkton township of Wright</b>
<b>Presque Isle</b>	<b>50</b>	<b>All except:</b>
	<b>60</b>	<b>township of Bearinger</b>
<b>Roscommon</b>	<b>50</b>	<b>All except:</b>
	<b>40</b>	<b>township of Nester</b>
<b>Saginaw</b>	<b>35</b>	<b>All except:</b>
	<b>30</b>	<b>city of Frankenmuth village of Birch Run village of Chesaning village of Oakley township of Albee township of Birch Run township of Brady township of Bridgeport township of Chapin township of Chesaning township of Frankenmuth township of Maple Grove township of St. Charles</b>
		<b>township of Taymouth</b>
<b>Sanilac</b>	<b>30</b>	<b>All except:</b>
	<b>25</b>	<b>village of Melvin township of Fremont township of Worth</b>
	<b>35</b>	<b>village of Minden City township of Austin township of Greenleaf township of Minden</b>
<b>Schoolcraft</b>	<b>70</b>	<b>All</b>
<b>Shiawassee</b>	<b>30</b>	<b>All except:</b>
	<b>25</b>	<b>village of Byron township of Burns</b>
<b>St. Clair</b>	<b>25</b>	<b>All</b>
<b>St. Joseph</b>	<b>30</b>	<b>All except:</b>



	<b>25</b>	<b>city of Sturgis</b> <b>village of Burr Oak</b> <b>village of Colon</b> <b>village of White Pigeon</b> <b>township of Burr Oak</b> <b>township of colon</b> <b>township of Fawn River</b> <b>township of Sherman</b> <b>township of Sturgis</b> <b>township of White Pigeon</b>
<b>Tuscola</b>	<b>30</b>	<b>All except:</b>
	<b>35</b>	<b>village of Caro</b> <b>village of Cass City</b> <b>village of Fairgrove</b> <b>village of Gagetown</b> <b>village of Reese</b> <b>village of Unionville</b> <b>township of Akron</b> <b>township of Almer</b> <b>township of Columbia</b> <b>township of Elkland</b> <b>township of Elmwood</b> <b>township of Fairgrove</b> <b>township of Gilford</b> <b>township of Wisner</b>
<b>Van Buren</b>	<b>50</b>	<b>All except:</b>
	<b>30</b>	<b>township of Porter</b>
	<b>35</b>	<b>city of Gobles</b> <b>village of Decatur</b> <b>village of Lawton</b> <b>village of Mattawan</b> <b>village of Paw Paw</b> <b>township of Almena</b> <b>township of Antwerp</b> <b>township of Bloomingdale</b> <b>township of Decatur</b> <b>township of Paw Paw</b> <b>township of Pine Grove</b> <b>township of Waverly</b>
<b>Washtenaw</b>	<b>25</b>	<b>All except:</b>

	<b>20</b>	<b>city of Ann Arbor</b> <b>city of Saline</b> <b>city of Ypsilanti</b> <b>village of Manchester</b> <b>township of Augusta</b> <b>township of Bridgewater</b> <b>township of Lodi</b> <b>township of Manchester</b> <b>township of Pittsfield</b> <b>township of Saline</b> <b>township of Superior</b> <b>township of York</b> <b>township of Ypsilanti</b>
<b>Wayne</b>	<b>20</b>	<b>All except:</b>
	<b>25</b>	<b>city of Northville</b>
<b>Wexford</b>	<b>60</b>	<b>All except:</b>
	<b>50</b>	<b>township of Clam Lake</b>

R 408.30516 Design criteria.

Rule 516. Table R301.2(1) of the code is amended and figures R301.2(7) and R301.2(8) are added to the code to read as follows:

TABLE R 301.2(1)  
CLIMATIC AND GEOGRAPHIC DESIGN CRITERIA

Ground Snow Load	Wind Speed <sup>d</sup> (mph)	Seismic Design Category <sup>f</sup>	Subject to Damage From			Winter Design Temp <sup>e</sup>	Ice Barrier Underlayment Required <sup>h</sup>	Flood Hazards <sup>g</sup>	Air Freezing Index <sup>i</sup>	Mean Annual Temp <sup>j</sup>
			Weathering <sup>a</sup>	Frostline depth <sup>b</sup>	Termite <sup>e</sup>					
Table R301.2(5)	90	See Sec.R301.2 .2.1 & Figure R301.2(2)	Severe	42" See Note b	Figure R301.2(6)	See Note e	Yes	See Note g	Figure R403.3(2)	See footnote J

For SI: 1 pound per square foot = 0.0479 kN/m<sup>2</sup>, 1 mile per hour = 1.609 km/h.

Ground Snow	WIND DESIGN	SEISMIC DESIGN CATEGORY	SUBJECT TO DAMAGE FROM	ICE BARRIER UNDERLAY MENT REQUIRED <sup>h</sup>	FLOOD HAZARD <sup>g</sup>	AIR FREEZING INDEX <sup>i</sup>	MEANANNUAL TEMP <sup>j</sup>
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Load	Speed <sup>d</sup> (mph)	Topographic Effects <sup>k</sup>	Special wind region <sup>l</sup>	Windborne debris zone <sup>m</sup>		Weatheri ng <sup>a</sup>	Frost Line depth <sup>b</sup>	Termite <sup>c</sup>				
Table R301.2(4)	107	No	No	No	R301.2.2.1	Severe	42"	Figure R318.4	Yes	See Footnote <sup>g</sup>	Figure R403.3.(2)	See Footnote <sup>j</sup>

## MANUAL J DESIGN CRITERIA

Elevation	Altitude correction Factor <sup>e</sup>	Coincident wet bulb	Indoor winter design dry-bulb temperature	Indoor winter design dry bulb temperature	Outdoor winter design dry-bulb temperature	Heating temperature difference
-	-	-	-	-	-	
Latitude	Daily range	Indoor Summer design relative Humidity	Indoor Summer design relative humidity	Indoor summer design dry-bulb temperature	Outdoor summer design dry-bulb temperature	Cooling temperature difference
-	-	-	-	-	-	-

**For SI: 1 pound per square foot = 0.0479 kilopascals, 1 mile per hour = 0.447 meter /second.**

(a) ~~Weathering may require a higher strength concrete or grade of masonry than necessary to satisfy the structural requirements of this code. The weathering column shall be filled in with the weathering index, (i.e., “negligible”, “moderate,” or “severe”), for concrete as determined from the weathering probability map [figure R301.2(3)]. The grade of masonry units shall be determined from ASTM C 34, C 55, C 62, C 73, C 90, C 129, C 145, C 216 or C 652 as listed in chapter 44.~~ **Where weathering requires a higher strength concrete or grade of masonry than necessary to satisfy the structural requirements of this code, the frost line depth strength required for weathering shall govern. The weathering column shall be filled in with the weathering index, "negligible," "moderate," or "severe" for concrete as determined from figure R301.2(1). The grade of masonry units shall be determined from ASTM C34, ASTM C55, ASTM C62, ASTM C73, ASTM C90, ASTM C129, ASTM C145, ASTM C216, or ASTM C652.**

- (b) ~~The frost line depth may be modified as provided in section R403.1.4 of the code.~~ **Where the frost line depth requires deeper footings than indicated in figure R403.1(1), the frost line depth strength required for weathering shall govern. The jurisdiction shall fill in the frost line depth column with the minimum depth of footing below finish grade.**
- (c) ~~The jurisdiction shall fill in this part of the table to indicate the need for protection depending on whether there has been a history of local damage.~~ **The jurisdiction shall fill in this part of the table to indicate the need for protection depending on whether there has been a history of local subterranean termite damage.**
- (d) ~~The jurisdiction shall fill in this part of the table with the wind speed from the basic wind speed map, [figure R301.2(4)]. Wind exposure category shall be determined on a site-specific basis in accordance with section R301.2.1.4 of the code.~~ **The jurisdiction shall fill in this part of the table with the wind speed from the basic wind speed map, figure R301.2(2). Wind exposure category shall be determined on a site-specific basis in accordance with section R301.2.1.4.**
- (e) ~~The winter design temperature criteria shall be taken from appendix D of the Michigan plumbing code, R 408.30701 to R 408.30796.~~ **The jurisdiction shall fill in this section of the table to establish the design criteria using table 10A from ACCA Manual J or established criteria determined by the jurisdiction.**
- (f) ~~Design category determined from section R301.2.2.1 of the code.~~ **The jurisdiction shall fill in this part of the table with the seismic design category determined from section R301.2.2.1.**
- (g) ~~The jurisdiction shall fill in this part of the table with both of the following:~~ **The jurisdiction shall fill in this part of the table with the date of the jurisdiction's entry into the National Flood Insurance Program, which is the date of adoption of the first code or ordinance for management of flood hazard areas, and the title and date of the currently effective Flood Insurance Study or other flood hazard study.**
- (ih) ~~The date of the jurisdiction's entry into the national flood insurance program (date of adoption of the first code or ordinance for management of flood hazard areas).~~ **In accordance with sections R905.1.2, R905.4.3.1, R905.5.3.1, R905.6.3.1, R905.7.3.1 and R905.8.3.1, where there has been a history of local damage from the effects of ice damming, the jurisdiction shall fill in this part of the table with "YES." Otherwise, the jurisdiction shall fill in this part of the table with "NO."**
- (ii) ~~The date(s) of the currently effective FIRM and FBFM or other flood hazard map adopted by the community, as may be amended. Absent (i) or (ii), flood hazard areas as determined by the state under its administration of the Part 31, floodplain regulatory authority of the natural resources and environmental protection act, 1994 PA 451, MCL 324.101 to 324.90106, shall become the basis for regulation of floodplain development within the community and section R408.7 of the code shall apply to buildings and structures within those areas.~~ **The jurisdiction shall fill in this part of the table with the 100-year return period air freezing index, BF-days, from figure R403.3(2) or from the 100-year, 99 percent, value on the National Climatic Data Center data table entitled, "Air Freezing Index-USA Method (Base 32°F)."**
- (hj) ~~In accordance with sections R905.2.7, R905.4.3.1, R905.5.3.1, R905.6.3.1, R905.7.3.1 and R905.8.3.1 of the code, for areas where the average daily temperature in January is 25 degrees Fahrenheit, (- 4 degrees Celsius,) or less, or where there has been a~~

~~history of local damage from the effects of ice damming, the jurisdiction shall fill in this part of the table with “YES”. Otherwise, the jurisdiction shall fill in this part of the table with “NO”.~~ **The jurisdiction shall fill in this part of the table with the mean annual temperature from the National Climatic Data Center data table entitled, "Air Freezing Index-USA Method (Base 32°degrees Fahrenheit)."**

~~(ik) The jurisdiction shall fill in this part of the table with the 100 year return period air freezing index, (bf days), from figure R403.3(2) or from the 100 year, (99%), value on the national climatic data center data table “air freezing index USA method (base 32 degrees Fahrenheit)”. In accordance with section R301.2.1.5, where there is local historical data documenting structural damage to buildings due to topographic wind speed-up effects, the jurisdiction shall fill in this part of the table with "YES." Otherwise, the jurisdiction shall indicate "NO" in this part of the table.~~

~~(jl) The jurisdiction shall fill in this part of the table with the mean annual temperature from the national climatic data center data table “air freezing index USA method (base 32 degrees Fahrenheit)” at [www.ncdc.noaa.gov/fpsf.html](http://www.ncdc.noaa.gov/fpsf.html). In accordance with figure R301.2(2), where there is local historical data documenting unusual wind conditions, the jurisdiction shall fill In this part of the table with "YES" and identify any specific requirements. Otherwise, the jurisdiction shall indicate "NO" in this part of the table.~~

~~(m) In accordance with section R301.2.1.2, the jurisdiction shall indicate the wind-borne debris wind zone or zones. Otherwise, the jurisdiction shall indicate "NO" in this part of the table.~~

~~(n) The jurisdiction shall fill in these sections of the table to establish the design criteria using table 1a or 1b from ACCA Manual .1 or established criteria determined by the jurisdiction.~~

~~(o) The jurisdiction shall fill in this section of the table using the Ground Snow Loads in figures R301.2(3) and R301.2(4).~~

R 408.30518 Means of egress.

Rule 518. Sections R311.6.4 and R311.2.1 are added to the code and R311.2 of the code is amended to read as follows:

R311.6.4 Modular ramps. Modular ramp systems approved pursuant to the act are not required to comply with the requirements of section R403.1.4 of the code.

R311.2. Door type and size. The required exit door shall be a side-hinged door not less than 3 feet, (914 ~~mm~~ **millimeters**), in width and 6 feet, 8 inches, (2,032 ~~mm~~ **millimeters**), in height. Other exterior hinged or sliding doors shall not be less than 24 inches (6,096 ~~mm~~ **millimeters**) in width and 6 feet, 6 inches, (1,981 ~~mm~~ **millimeters**), in height.

R311.2.1. Interior doors. Interior doors shall be not less than 24 inches, (6,096 ~~mm~~ **millimeters**), in width and 6 feet, 6 inches, (1,524 ~~mm~~ **millimeters**), in height.

Exception: Doors to areas less than 10 square feet of floor area.

R 408.30519 Treads and risers.

Rule 519. Sections R311.7.4-~~5.1~~ and R 311.7.4-~~5.2~~ of the code are amended to read as follows:

R311.7.5.1. Riser height. The maximum riser height shall be 8-1/4 inches, (210 ~~mm~~ **millimeters**). The riser shall be measured vertically between leading edges of the adjacent treads. The greatest riser height within any flight of stairs shall not exceed the smallest by more than 3/8 inch, (9.5 ~~mm~~ **millimeters**).

R311.7.5.2. Tread depth. The minimum tread depth shall be 9 inches, (229 ~~mm~~ **millimeters**). The tread depth shall be measured horizontally between the vertical planes of the foremost projection of adjacent treads and at a right angle to the tread's leading edge. The greatest tread depth within any flight of stairs shall not exceed the smallest by more than 3/8 inch, (9.5 ~~mm~~ **millimeters**). Winder treads shall have a minimum tread depth of 10 inches, (254 ~~mm~~ **millimeters**), measured as above at a point 12 inches, (305 ~~mm~~ **millimeters**), from the side where the treads are narrower. Winder treads shall have a minimum tread depth of 6 inches, (152 ~~mm~~ **millimeters**), at any point. Within any flight of stairs, the greatest winder tread depth at the 12-inch, (305 ~~mm~~ **millimeters**), walk line shall not exceed the smallest by more than 3/8 inch, (9.5 ~~mm~~ **millimeters**).

R 408.30521 ~~Elevation requirements.~~ **Rescinded.**

~~Rule 521. Section R322.2.1 of the code is amended to read as follows;~~

~~R322.2.1. Elevation requirements. (1) Buildings and structures shall have the lowest floor including basements elevated so the lowest point of the floor's concrete or subfloor surface is 1 foot (305 mm) or more above the design flood elevation. The bottom of the lowest horizontal structural member of the floor system shall not be lower than the design flood elevation. Compliance with this elevation requirement shall be based upon measurement taken from the floor surface without the final floor covering and from the bottom of the lowest horizontal structural member of the floor system.~~

~~(2) Crawl space interior floor grade elevation shall comply with R408.6 of the code.~~

~~(3) Basement floors that are below grade on all sides shall be considered lowest floors and shall be elevated so that the lowest point of the floor surface is 1 foot (305 mm) or more above the design flood elevation.~~

~~Compliance with this elevation requirement shall be based upon measurement taken from the floor surface without the final floor covering.~~

~~Exception: Enclosed areas below the design flood elevation, including basements that have floors which are not below grade on all sides, shall meet the requirements of section R322.2.2 of the code.~~

R 408.30521a Rooftop mounted photovoltaic panel systems.

Rule 521a. Sections R9097.1, R9097.2, and R9097.3 of the code are added to read as follows:

R9097.1. General. The installation of photovoltaic panel systems that are mounted on or above the roof covering shall comply with the provisions of this code, ~~Section R324~~, and NFPA 70.

R9097.2. Structural requirements. Rooftop mounted photovoltaic panel systems shall be designed to structurally support the system and withstand gravity loads in accordance with chapter 3. The roof upon which these systems are installed shall be designed and constructed to support the loads imposed by such systems in accordance with chapter 8.

R9097.3. Installation. Rooftop mounted photovoltaic systems shall be installed in accordance with the manufacturer's instructions. Roof penetrations shall be flashed and sealed in accordance with this chapter.

**R 408.30522a Vapor retarders. Rescinded.**

~~Rule 522a. Section R601.3 of the code is amended to read as follows:~~

~~R601.3. Vapor retarders. Class I or II vapor retarders shall be provided on the interior side of frame walls in zones 5, 6, 7, 8, and marine 4.~~

~~Exceptions:~~

~~1. As permitted in table R702.7.1.~~

~~2. Class III or no vapor retarder shall be permitted on the interior side of below grade wall assemblies. Class I or II vapor retarders shall be permitted on the interior side of the wall assembly when no air permeable insulation is installed in the below grade wall assemblies.~~

~~3. Construction where moisture or its freezing will not damage the materials.~~

**R 408.30522b Air freezing index. Rescinded.**

~~Rule 522b. Table R403.3(2) of the code is amended to read as follows:~~

~~Table R403.3(2)~~

~~Air Freezing Index for Michigan Locations by County~~

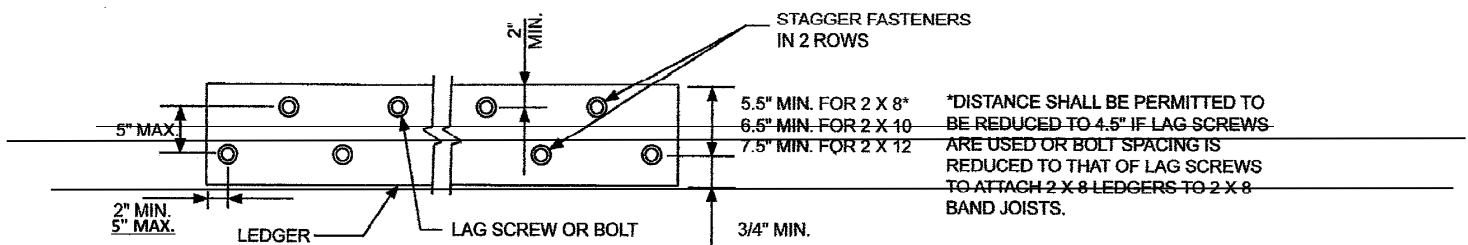
<del>1500 or less</del>	<del>2000</del>	<del>2500</del>	<del>3000</del>	<del>3500</del>	<del>4000</del>
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Berrien Branch Cass Kalamazoo Macomb Ottawa—St. Clair—St. Joseph	All counties not listed	Alger Charlevoix Cheboygan Chippewa Crawford Delta Emmet Ioseo Kalkaska Lake Luce Mackinae Menominee Missaukee Montmoreney Ogemaw Osceola Otsego Roscommon Schoolcraft Wexford	Baraga Dickinson Iron Keweenaw Marquette	Gogebie Houghton Ontonagon	
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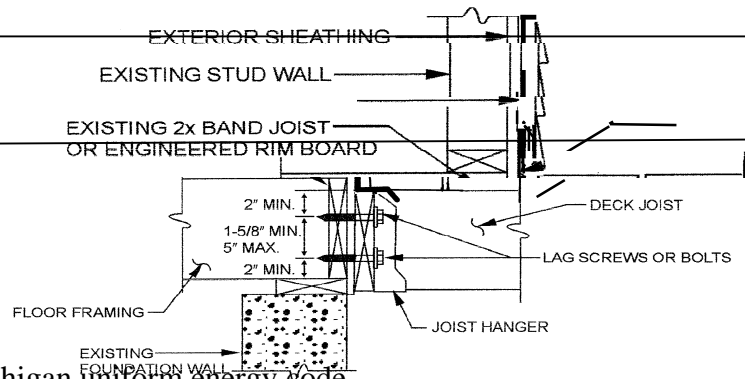
R 408.30523 Placement of lag screws or bolts in deck ledgers and band joists. **Rescinded.**  
~~Rule 523. Figure R507.2.1(1) of the code is amended to read as follows:~~

FIGURE R507.2.1(1)  
 PLACEMENT OF LAG SCREWS AND BOLTS IN LEDGERS



R408.30523a Flashing. **Rescinded.**  
~~Rule 523a. Section R507.2.4 is added and figure R507.2.1(2) is amended to read as follows:~~

~~R507.2.4. Flashing. An approved corrosion resistant flashing as required by Section R703.8 shall be installed above the attached ledger as shown in figure R507.2.1(2) or as approved.~~



R 408.30524 Michigan uniform energy code.

Rule 524. ~~For buildings.~~ Buildings shall be designed and constructed in accordance with the Michigan uniform energy code part 10 rules, R 408.31001 to R 408.31099 ~~1a~~.

R 408.30525a ~~Simplified wall bracing.~~ **Rescinded.**

~~Rule 525a. Section R602.10.9 is amended to read as follows:~~

~~R602.10.9. Braced wall panel support. Braced wall panel support shall be provided as follows:~~

- ~~1. Cantilevered floor joists complying with section R502.3.3 shall be permitted to support braced wall panels.~~
- ~~2. Raised floor system post or pier foundations supporting braced wall panels shall be designed in accordance with accepted engineering practice.~~
- ~~3. Masonry stem walls with a length of 48 inches (1 219 mm) or less supporting braced wall panels shall be reinforced in accordance with figure R602.10.9. Masonry stem walls with a length greater than 48 inches (1 219 mm) supporting braced wall panels shall be constructed in accordance with section R403.1. Methods ABW and PFH shall not be permitted to attach to masonry stem walls.~~
- ~~4. Concrete stem walls with a length of 48 inches (1 219 mm) or less, greater than 12 inches (305 mm) tall shall have reinforcement sized and located in accordance with figure R602.10.9.~~

R 408.30528 Terms defined in other codes. **Rescinded.**

~~Rule 528. Section G2402.3 of the code is amended to read as follows:~~

~~G2402.3. Terms defined in other codes. Where terms are not defined in the code and are defined in the Michigan electrical code, R 408.30801 to R 408.30880, Michigan building code, R 408.30401 to R 408.30547, international fire code and international fuel gas code listed in chapter 44, Michigan mechanical code, R 408.30901 to R 408.30998 or Michigan plumbing code, R 408.30701 to R 408.30796, the terms shall have the meanings ascribed to them as in those codes.~~

R 408.30528a ~~CSST.~~ **Rescinded.**

~~Rule 528a. Section G2411.1.1 (310.1.1) of the code is amended to read as follows:~~

~~G2411.1.1. CSST. Corrugated stainless steel tubing (CSST) gas piping systems shall be bonded to the electrical service grounding electrode system or where provided, lightning protection electrode system. The bonding jumper shall connect to a metallic pipe, pipe fitting, or CSST fitting between the point of delivery and the CSST utilizing a device listed for the application. The bonding jumper shall be not smaller than 6 AWG copper wire or equivalent, not longer than 75 feet and accessible. Gas piping systems that are bonded in accordance with this section shall be considered effectively bonded regardless of the amount of CSST in the system. Any additional grounding electrodes used shall be bonded to the electrical service grounding electrode system, or where provided, the lightning protection grounding electrode system.~~

~~Exception: CSST piping systems tested and listed by the manufacturer for installation without additional bonding when installed in accordance with the listing.~~

R 408.30529 Lining required.

Rule 529. Section P2709.2 of the code is amended to read as follows:

P2709.2. Lining required. The adjoining walls and floor framing enclosing on-site built-up shower receptors shall be lined with 1 of the following:

1. Sheet lead.
2. Sheet copper.
3. Plastic liner material that complies with ASTM D 4068 or ASTM D 4551.
4. Sheet-applied load-bearing, bonded waterproof membranes that comply with ANSI A118.10.

The lining material shall extend not less than 3 inches, ~~(76 mm millimeters)~~, beyond or around the rough jambs and not less than 3 inches, ~~(76 mm millimeters)~~, above finished thresholds. Sheet-applied load bearing, bonded waterproof membranes shall be applied in accordance with the manufacturer's instructions.

R 408.30530 Requirements for discharge pipe.

Rule 530. Section P2803 4.6.1 of the code is amended to read as follows:

P2803 4.6.1. Requirements for discharge pipe. Relief valves shall not discharge so as to be a hazard, a potential cause of damage, or a nuisance.

A relief valve discharge pipe shall be provided for each individual relief valve and shall meet all of the following:

- (a) Shall terminate atmospherically not more than 4 inches, ~~(102 mm millimeters)~~, from the floor with an unthreaded end.
- (b) Shall not be interconnected.
- (c) Valves shall not be connected in the relief valve discharge pipe.
- (d) Shall be rigid pipe approved for water distribution, with a minimum temperature rating of 210 degrees Fahrenheit.
- (e) Shall have the same nominal inside diameter as the relief valve outlet and shall drain by gravity flow.
- (f) Shall discharge to the floor, or to the pan serving the water heater or storage tank, or to a waste receptor.

The outlet of a pressure, temperature, or other relief valve shall not be directly connected to the drainage system.

R 408.30532 Roof extension.

Rule 532. Section P3103.1 of the code is amended to read as follows:

P3103.1. Roof extension. All open vent pipes that extend through a roof shall terminate at least 1 foot, (305 ~~mm~~ **millimeters**), above the roof, except that if a roof is to be used for any purpose other than weather protection, then the vent extension shall be run not less than 7 feet, (2,134 ~~mm~~ **millimeters**), above the roof.

R 408.30533 Frost closure.

Rule 533. Section P3103.2 of the code is amended to read as follows:

P3103.2. Frost closure. To prevent frost closure, every vent extension through a roof shall be not less than 3 inches, (76 ~~mm~~ **millimeters**), in diameter. Any increase in the size of the vent shall be made inside the building with a minimum of 1 foot, (305 ~~mm~~ **millimeters**), below the roof or inside the wall.

R 408.30533a Rough plumbing.

Rule 533a. Section P2503.5.1 of the code is amended **and P2503.8, P2503.8.1 and P2503.8.2 are added** to read as follows:

P2503.5.1. Rough plumbing. DWV systems shall be tested on completion of the rough piping installation by water or air with no evidence of leakage. Either test shall be applied to the drainage system in its entirety or in sections after rough piping has been installed, as follows:

1. Water test. Each section shall be filled with water to a point not less than 10 feet, (3, 048 ~~mm~~ **millimeter**), above the highest fitting connection in that section, or to the highest point in the completed system. Water shall be held in the section under test for a period of 15 minutes. The system shall prove leak free by visual inspection.

2. Air test. The portion under test shall be maintained at a gauge pressure of 5 pounds per square inch (psi), (34 kPa **kilopascals**), or 10 inches, (254 ~~mm~~ **millimeters**), of mercury column, (34 kPa **kilopascals**). This pressure shall be held without introduction of additional air for a period of 15 minutes.

**P2503.8 Inspection and testing of backflow prevention devices. Inspection and testing of backflow prevention devices shall comply with sections P2503.8.1 and P2503.8.2.**

**P2503.8.1 Inspections. Inspections shall be made of backflow prevention assemblies to determine whether they are operable.**

**P2503.8.2 Testing. Reduced pressure principle, double check, double check detector, and pressure vacuum breaker backflow preventer assemblies shall be tested at the time of installation and immediately after repairs or relocation.**

R 408.30533b Sewer depth.

Rule 533b. Section P2603.5.1 of the code is amended to read as follows:

P2603.5.1. Sewer depth. A building sewer that connects to a private disposal system shall be a minimum of 8 inches, (203 ~~mm~~ **millimeters**), to the top of the pipe below finished grade at the point of septic tank connection. Building sewers shall be installed a minimum of 42 inches, (1,067 ~~mm~~ **millimeters**), below grade.

Exception: When permitted by the code official.

**R 408.30533c Pipe fittings.**

**Rule 533c. Section P2906.6 is added to the code to read as follows:**

## Pipe Fittings

MATERIAL	STANDARD
Acrylonitrile butadiene styrene (ABS) plastic	ASTM D2468
Cast-iron	ASME B16.4
Chlorinated polyvinyl chloride (CPVC) plastic	ASSE 1061; ASTM D2846; ASTM F437; ASTM F438; ASTM F439; CSA B137.6
Copper or copper alloy	ASSE 1061; ASME B16.15; ASME B16.18; ASME B16.22; ASME B16.26; ASME B16.51
Cross-linked polyethylene/aluminum/high-density polyethylene (PEX-AL-HDPE)	ASTM F1986
Fittings for cross-linked polyethylene (PEX) plastic tubing	ASSE 1061; ASTM F877; ASTM F1807; ASTM F1960; ASTM F2080; ASTM F2098; ASTM F2159; ASTM F2434; ASTM F2735; CSA B137.5
Gray iron and ductile iron	AWWA C110/A21.10; AWWA C153/A21.53
Galvanized steel pipe	ASTM A53
Malleable iron	ASME B16.3
Insert fittings for Polyethylene/aluminum/polyethylene (PE-AL-PE) and cross-linked polyethylene/aluminum/cross-linked polyethylene (PEX-AL-PEX)	ASTM F1974; ASTM F1281; ASTM F1282; CSA B137.9; CSA B137.10
Polyethylene (PE) plastic	ASTM D2609; CSA B137.1
Fittings for polyethylene of raised temperature (PE-RT) plastic tubing	ASTM F1807; ASTM F2098; ASTM F2159; ASTM F2735; ASTM F2769
Polypropylene (PP) plastic pipe or tubing	ASTM F2389; CSA B137.11
Polyvinyl chloride (PVC) plastic	ASTM D2464; ASTM D2466; ASTM D2467; CSA B137.2; CSA B137.3
Stainless steel (Type 304/304L) pipe	ASTM A312; ASTM A778
Stainless steel (Type 316/316L) pipe	ASTM A312; ASTM A778
Steel	ASME B16.9; ASME B16.11; ASME B16.28

R 408.30534 Venting.

Rule 534. Section P3105.1 is amended and section 3105.4 and figure P3105.4 are added to the code and figure N3 in appendix N of the code is amended to read as follows:

P3105.1. Distance of trap from vent. Each fixture trap shall have a protecting vent located so that the slope and the developed length in the fixture drain from the trap weir to the vent fitting are within the requirements in table P3105.1 of the code.

P3105.4. Vertical leg for waste fixture drains. A vertical leg, (see figure P3105.4), is permitted within a fixture drain of a waste fixture in accordance with the following criteria:

- (1) Minimum trap diameter shall be in accordance with table P3201.7 of the code.
- (2) The diameter of section A shall be equal to the diameter of the trap.
- (3) The length of section A shall not be less than 8 inches, (~~2,032 mm~~ **millimeters**), and in accordance with table P3105.1 of the code.
- (4) The diameter of section B shall be 1 pipe size larger than the diameter of ~~S~~section A.
- (5) The length of section B shall not be more than 36 inches, (~~9,144 mm~~ **millimeters**).
- (6) The diameter of section C shall be 1 pipe size larger than the diameter of section B.
- (7) The total length of section A and section C shall not exceed the distance allowed in table P3105.1 of the code.
- (8) Bends shall be the diameter of the largest connected section.



**FIGURE N3**  
**TYPICAL HORIZONTAL WET VENTING**

Rule 535. Section P3111.2.2 of the code is amended to read as follows:

P3111.2.2. Connection. The combination waste and vent systems shall be provided with a dry vent connected to a point within the system or the system shall connect to a horizontal drain that is vented in

accordance with one of the methods specified in this chapter. Combination waste and vent systems connecting to building drains receiving only the discharge from a stack or stacks shall be provided with a dry vent. The vent connecting the combination waste and vent pipe shall extend vertically not less than 6 inches, (152 ~~mm~~ **millimeters**), above the flood level rim of the highest fixture being vented before offsetting horizontally.

R 408.30536 Electrical; general; electrical conductors; connections and electrical grounding.

Rule 536. Sections E3401.1, ~~E3401.2, E3401.3, E3705.4.1, E3908.8.1, and E3908.8.2~~ of the code ~~are is~~ amended and ~~E3401.5, E3401.6, E3401.6.1, E3401.6.2, E3401.6.3, E3401.7, and E3401.8~~ are added to read as follows:

**E3401.1. Applicability Scope.** This chapter governs the electrical components, equipment and systems used in buildings and structures covered by this code. Electrical components, equipment and systems shall be designed and constructed in accordance with the provisions of the Michigan electrical code, R 408.30801 to R 408.30873. ~~The provisions of chapters 34 to 43 of the code shall establish the general scope of the electrical system and equipment requirements of the code. Chapters 34 to 43 of the code cover those wiring methods and materials most commonly encountered in the construction of 1- and 2-family dwellings and structures regulated by the code. Other wiring methods, materials, and subject matter covered in the Michigan electrical code, R 408.30801 to R 408.30880 are also allowed by the code.~~

~~E3401.2. Scope. Chapters 34 to 43 of the code shall cover the installation of electrical systems, equipment, and components indoors and outdoors that are within the scope of the code, including services, power distribution systems, fixtures, appliances, devices, and appurtenances. Services within the scope of the code shall be limited to 120/240 volt, 0 to 400 ampere, single phase systems. These chapters specifically cover the equipment, fixtures, appliances, wiring methods, and materials that are most commonly used in the construction or alteration of 1- and 2-family dwellings and accessory structures regulated by the code. The omission from these chapters of any material or method of construction provided by the Michigan electrical code, R 408.30801 to R 408.30880, shall not be construed as prohibiting the use of such material or method of construction. Electrical systems, equipment, or components not specifically covered in these chapters shall comply with the applicable provisions of the Michigan electrical code, R 408.30801 to R 408.30880.~~

~~E3401.3. Not covered. Chapters 34 to 43 do not cover the following:~~

- ~~(1) Installations under the exclusive control of communications utilities and electric utilities.~~
- ~~(2) Services over 400 amperes.~~

~~E3401.5. General. This section provides for the design, construction, installation, alteration, and repair of photovoltaic equipment and systems. [690.1]~~

~~E3401.6. Requirements. The installation, inspection, maintenance, repair, and replacement of photovoltaic systems and all system components shall comply with the manufacturer's instructions, Sections E3401.6.1 through E3401.6.3 and NFPA 70. [690.3]~~

~~E3401.6.1. Roof-mounted panels and modules. Where photovoltaic panels and modules are installed on roofs, the roof shall be constructed to support the loads imposed by such modules. Roof-mounted photovoltaic panels and modules that serve as roof covering shall conform to the requirements for roof coverings in chapter 9. Where mounted on or above the roof coverings, the photovoltaic panels and modules and supporting structure shall be constructed of noncombustible materials or fire retardant treated wood equivalent to that required for the roof construction.~~

~~E3401.6.2. Roof and wall penetrations. Roof and wall penetrations shall be flashed and sealed in accordance with chapter 9 to prevent entry of water, rodents, and insects.~~

- ~~E3401.6.3. Ground mounted panels and modules. Ground mounted panels and modules shall be installed in accordance with the manufacturer's instructions. [110.3(B)]~~
- ~~E3401.7. Photovoltaic panels and modules. Photovoltaic panels and modules shall be listed and labeled in accordance with UL 1703. [690.4(B)]~~
- ~~E3401.8. Inverters. Inverters shall be listed and labeled in accordance with UL 1741. Systems connected to the utility grid shall use inverters listed for utility interaction. [690.4(B)]~~
- ~~E3705.4.1. Conductors rated 60°C. Except where the equipment is marked otherwise, termination provisions of equipment for circuits rated 100 amperes or less, or marked for 14 AWG through 1 AWG conductors, shall be used only for 1 of the following:~~
  - ~~1. Conductors rated 60°C (140°F).~~
  - ~~2. Conductors with higher temperature ratings, provided that the ampacity of such conductors is determined based on the 60°C (140°F) ampacity of the conductor size used.~~
  - ~~3. Conductors with higher temperature ratings where the equipment is listed and identified for use with such conductors. [110.14(C)(1)(a)]~~
- ~~E3908.8.1. Grounding of flexible metal conduit. Flexible metal conduit shall not be permitted as an equipment grounding conductor. [Michigan Electrical Code Rules Part 8 250.118 amended]~~
- ~~E3908.8.2. Grounding of liquid tight flexible metal conduit. Liquid tight flexible metal conduit shall not be permitted as an equipment grounding conductor. [Michigan Electrical Code Rules Part 8 250.118 amended]~~

**R 408.30536a-General requirements. Rescinded.**

~~Rule 536a. Sections E3402.2, E3405.2 and E3407.5 are amended to read as follows:~~

- ~~E3402.2. Penetrations of fire resistance rated assemblies. Electrical installations in hollow spaces, vertical shafts, and ventilation or air handling ducts shall be made so that the possible spread of fire or products of combustion will not be substantially increased. Electrical penetrations through fire resistance rated walls, partitions, floors, or ceilings shall be protected by approved methods to maintain the fire resistance rating of the element penetrated. Penetrations of fire resistance rated walls shall be limited as specified in Section R302.4.~~
- ~~E3405.2. Working clearances for energized equipment and panelboards. Except as otherwise specified in chapters 34 through 43, the dimension of the working space in the direction of access to panelboards and live parts likely to require examination, adjustment, servicing, or maintenance while energized shall be not less than 36 inches, (914 mm **millimeters**), in depth. Distances shall be measured from the energized parts where such parts are exposed or from the enclosure front or opening where such parts are enclosed. In addition to the 36-inch dimension, (914 mm **millimeters**), the work space shall not be less than 30 inches, (762 mm **millimeters**), wide in front of the electrical equipment and not less than the width of such equipment. The work space shall be clear and shall extend from the floor or platform to a height of 6.5 feet, (1,981 mm **millimeters**), or the height of the equipment, whichever is greater. In all cases, the work space shall allow at least a 90-degree, (1.57 radians), opening of equipment doors or hinged panels. Equipment associated with the electrical installation located above or below the electrical equipment shall be permitted to extend not more than 6 inches, (152 mm **millimeters**), beyond the front of the electrical equipment. [110.26(A)]~~
  - ~~Exception:~~
    - ~~1. In existing dwelling units, service equipment, and panelboards that are not rated in excess of 200 amperes may be in spaces where the height of the working space is less than 6.5 feet, (1,981 mm **millimeters**), but greater than 5 feet, (1,524 mm **millimeters**). [110.26(A)(3) Exception 1 amended]~~
    - ~~2. Meters that are installed in meter sockets may extend beyond the other equipment. Meter sockets shall not be exempt from the requirements of this section. [110.26(A)(3) Exception 2]~~



~~E3407.5. Polarity of connections. No grounded conductor shall be attached to any terminal or lead so as to reverse the designated polarity.~~

R 408.30537—~~Separate outdoor electric space conditioning equipment. Rescinded.~~

~~Rule 537. Section E3601.6.3, E3601.6.4, and E3608.1.2.1 are added to the code and Sections E3604.2.1, and E3609.7.1 are amended to read as follows:~~

~~E3601.6.3. Separate outdoor electric space conditioning equipment. A service disconnect for separately metered outdoor electric space conditioning equipment shall be grouped with the service disconnecting means for the structure or immediately adjacent to the outdoor meter cabinet. A permanent plaque or directory shall be installed at each service disconnect location denoting the other services, feeders, and branch circuits supplying a building or structure and area served by each service, feeder, and branch circuit. Grounding shall be in accordance with Sections E3607 and E3608.~~

~~E3601.6.4. Electric vehicle charging system service disconnect. A service disconnect for electric vehicle charging systems shall be grouped with the service disconnecting means for the structure or immediately adjacent to the outdoor meter cabinet. A permanent plaque or directory shall be installed at each service disconnect location identifying the other services, feeders, and branch circuits supplying a building or structure and area served by each service, feeder, and branch circuit. Grounding shall be in accordance with Section E3607 and E3608.~~

~~E3604.2.1. Above roofs. Conductors shall have a vertical clearance of not less than 8 feet, (2,438 mm **millimeters**), above the roof surface. The vertical clearance above the roof level shall be maintained for a distance of not less than 3 feet, (914 mm **millimeters**), in all directions from the edge of the roof. See figure E3604.2.1. [230.24(A)]~~

~~Exceptions:~~

~~1. Conductors above a roof surface subject to pedestrian traffic shall have a vertical clearance from the roof surface in accordance with Section E3604.2.2. [230.24(A) Exception 1]~~

~~2. Where the roof has a slope of 4 inches, (102 mm **millimeters**), in 12 inches, (305 mm **millimeters**), or greater and is not accessible from an operable window, the minimum clearance shall be 3 feet, (914 mm **millimeters**). [230.24(A) Exception 2 amended]~~

~~3. The minimum clearance above only the overhanging portion of the roof shall not be less than 18 inches, (457 mm **millimeters**), where not more than 6 feet, (1,829 mm **millimeters**), of conductor length passes over 4 feet, (1,219 mm **millimeters**), or less of roof surface measured horizontally and such conductors are terminated at a through the roof raceway or approved support. [230.24(A) Exception 3]~~

~~4. The requirement for maintaining the vertical clearance for a distance of 3 feet, (914 mm **millimeters**), from the edge of the roof shall not apply to the final conductor span where the service drop is attached to the side of a building. [230.24(A) Exception 4]~~

~~5. Where the voltage between conductors does not exceed 300 and the roof area is guarded or isolated, a reduction in clearance to 3 feet, (914 mm **millimeters**), shall be permitted. [230.24(A) Exception 5]~~

~~E3608.1.2.1. Verification of the installation of the concrete encased electrode specified for in E3608.1.2. The inspection of a concrete encased electrode meeting the requirements of E3608.1.2 except for the connection of the grounding electrode conductor to the electrode shall be completed by 1 of the following:~~

~~1. The electrical inspector for the enforcing agency.~~

~~2. The building inspector for the enforcing agency if all of the following conditions are met:~~

~~a. Both the electrical and building inspectors for the enforcing agency(s) shall sign a written agreement which shall remain on file with the enforcing agency that designates authority to the building inspector for that agency to inspect a concrete encased electrode.~~

- ~~b. Upon inspection and verification by the building inspector of a concrete encased electrode, the building inspector shall provide written documentation to the electrical inspector that the installation of the concrete encased electrode meets the requirements set forth in E3608.1.2. Electrode shall be ½" diameter, (13mm **millimeters**), reinforcing bar or larger, a minimum of 20 feet, (6,096 mm **millimeters**), long including usual tie wire connections, and encased in 2 inches, (51 mm **millimeters**), of concrete except for the end of the electrode which shall be in an accessible location and not subject to deteriorating conditions (i.e. backfill).~~
- ~~c. Verification of approval of the concrete encased electrode shall be made at the construction site by signature of the field copy of the building permit noting that the concrete encased electrode was approved along with the footing inspection or by a readily available inspection tag attached to the accessible grounding electrode reinforcing bar.~~
- ~~d. The grounding electrode conductor connection to the concrete encased electrode shall be inspected by the electrical inspector for the enforcing agency.~~
- ~~E3609.7.1. Corrugated stainless steel tubing (CSST). Corrugated stainless steel tubing gas piping systems shall be bonded to the electrical service grounding electrode system or where provided, lightning protection electrode system. The bonding jumper shall connect to a metallic pipe, pipe fitting, or CSST fitting between the point of delivery and the CSST utilizing a device listed for the application. The bonding jumper shall be not smaller than 6 AWG copper wire or equivalent, not longer than 75 feet, (**22,860 millimeters**), and accessible. Gas piping systems that are bonded in accordance with this section shall be considered effectively bonded regardless of the amount of CSST in the system. Any additional grounding electrodes used shall be bonded to the electrical service grounding electrode system, or where provided, the lightning protection grounding electrode system.~~
- ~~Exception: CSST piping systems tested and listed by the manufacturer for installation without additional bonding when installed in accordance with the listing.~~

**R 408.30537a-Wiring methods. Rescinded.**

- ~~Rule 537a. Section E3803.6 and tables E3801.4, and E3802.1 are amended to read as follows:~~
- ~~E3803.6. Raceway seals. Conduits or raceways shall be sealed or plugged at either or both ends where moisture will enter and contact live parts. Sealants shall be identified for use with the cable insulation, shield, or other components.~~

**Table E3801.4**  
**ALLOWABLE APPLICATIONS FOR WIRING METHODS**<sup>a, b, c, d, e, f, g, h, i, j, k, l</sup>

ALLOWABLE APPLICATIONS (application allowed where marked with an “A”)	AC	EMT	ENT	FMC	IMC RMC PVC	LFC <sup>a</sup>	MC	NM	SR	SE	UF	USE <sup>i</sup>
Services	=	A	A <sup>b</sup>	A <sup>i</sup>	A	A <sup>i</sup>	A	=	=	A	=	A
Feeders	A	A	A	A	A	A	A	A	=	A <sup>b</sup>	A	A <sup>b</sup>
Branch circuits	A	A	A	A	A	A	A	A	A	A <sup>e</sup>	A	=
Inside a building	A	A	A	A	A	A	A	A	A	A	A	=
Wet locations exposed to sunlight	=	A	A <sup>b</sup>	=	A	A	A	=	=	A	A <sup>e</sup>	A <sup>e</sup>
Damp locations	=	A	A	A <sup>d</sup>	A	A	A	=	=	A	A	A
Embedded in noncinder concrete in dry location	=	A	A	=	A	A <sup>i</sup>	=	=	=	=	=	=
In noncinder concrete in contact with grade	=	A <sup>f</sup>	A	=	A <sup>f</sup>	A <sup>i</sup>	=	=	=	=	=	=
Embedded in plaster not exposed to dampness	A	A	A	A	A	A	A	=	=	A	A	=
Embedded in masonry	=	A	A	=	A <sup>f</sup>	A	A	=	=	=	=	=
In masonry voids and cells exposed to dampness or below grade line	=	A <sup>f</sup>	A	A <sup>d</sup>	A <sup>f</sup>	A	A	=	=	A	A	=
Fished in masonry voids	A	=	=	A	=	A	A	A	=	A	A	=
In masonry voids and cells not exposed to dampness	A	A	A	A	A	A	A	A	=	A	A	=
Run exposed	A	A	A	A	A	A	A	A	A	A	A	=
Run exposed and subject to physical damage	=	=	=	=	A <sup>g</sup>	=	=	=	=	=	=	=
For direct burial	=	A <sup>f</sup>	=	=	A <sup>f</sup>	A	A <sup>f</sup>	=	=	=	A	A

For SI: 1 foot = 304.8 mm **millimeters**.

- a. Liquid tight flexible nonmetallic conduit without integral reinforcement within the conduit wall shall not exceed 6 feet in length.  
b. Type USE cable shall not be used inside buildings.  
c. The grounded conductor shall be insulated.  
d. Conductors shall be a type approved for wet locations and the installation shall prevent water from entering other raceways.  
e. Shall be listed as “sunlight resistant.”  
f. Metal raceways shall be protected from corrosion and approved for the application. Aluminum RMC requires approved supplementary corrosion protection.  
g. RNC shall be Schedule 80.  
h. Shall be listed as “sunlight resistant” where exposed to the direct rays of the sun.  
i. Conduit shall not exceed 6 feet in length.  
j. Liquid tight flexible nonmetallic conduit may be encased in concrete where listed for direct burial and only straight connectors listed for use with LFNC are used.  
k. In wet locations under any of the following conditions:  
(i) The metallic covering is impervious to moisture.  
(ii) A lead sheath or moisture impervious jacket is provided under the metal covering.  
(iii) The insulated conductors under the metallic covering are listed for use in wet locations and a corrosion resistant jackets is provided over the metallic sheath.  
l. Type USE cable not permitted above ground except to terminate at the exterior of a building in an approved enclosure and protected in accordance with Section E3803.3.

**TABLE E3802.1**  
**GENERAL INSTALLATION AND SUPPORT REQUIREMENTS FOR WIRING METHODS**<sup>a, b, c, d, e, f, g, h, i, j, k</sup>

INSTALLATION REQUIREMENTS (Requirement applicable only to wiring methods marked “A”)	AC MC	EMT IMC RMC	ENT	FM C LFC	N M U	PVC	SE	SR <sup>a</sup>
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					F			
Where run parallel with the framing member or furring strip, the wiring shall be not less than 1 ¼ inches from the edge of a furring strip or a framing member such as a joist, rafter, or stud or shall be physically protected.	A	=	A	A	A	=	A	=
Bored holes in framing members for wiring shall be located not less than 1 ¼ inches from the edge of the framing member or shall be protected with a minimum 0.0625-inch steel plate or sleeve, a listed steel plate, or other physical protection.	A <sup>k</sup>	=	A <sup>k</sup>	A <sup>k</sup>	A <sub>k</sub>	=	A <sup>k</sup>	=
Where installed in grooves, to be covered by wallboard, siding, paneling, carpeting, or similar finish, wiring methods shall be protected by 0.0625-inch-thick steel plate, sleeve, or equivalent, a listed steel plate or by not less than 1 ¼ inch free space for the full length of the groove in which the cable or raceway is installed.	A	=	A	A	A	=	A	A
Securely fastened bushings or grommets shall be provided to protect wiring run through openings in metal framing members.	=	=	A <sup>j</sup>	=	A <sub>j</sub>	=	A <sup>j</sup>	=
The maximum number of 90-degree bends shall not exceed 4 between junction boxes.	=	A	A	A	=	A	=	=
Bushings shall be provided where entering a box, fitting, or enclosure unless the box or fitting is designed to afford equivalent protection.	A	A	A	A	=	A	=	A
Ends of raceways shall be reamed to remove rough edges.	=	A	A	A	=	A	=	A
Maximum allowable on center support spacing for the wiring method in feet.	4.5 <sup>b,e</sup>	10 <sup>d</sup>	3 <sup>b</sup>	4.5 <sup>b</sup>	4 7 5 <sup>i</sup>	3 <sup>d,i</sup>	2.5 <sup>e</sup>	=
Maximum support distance in inches from box or other terminations.	12 <sup>b,f</sup>	36	36	12 <sup>b,g</sup>	1 2 h, i	36	12	=

For SI: 1 inch = 25.4 mm **millimeters**, 1 foot = 304.8 mm **millimeters**, 1 degree = 0.0175 **radians**.

a. ~~Installed in accordance with listing requirements.~~

b. ~~Supports not required in accessible ceiling spaces between light fixtures where lengths do not exceed 6 feet.~~

c. ~~Six feet for MC cable.~~

d. ~~Five feet for trade sizes greater than 1 inch.~~

e. ~~Two and one half feet where used for service or outdoor feeder and 4.5 feet where used for branch circuit or indoor feeder.~~

f. ~~Twenty four inches for Type AC cable and 36 inches for interlocking Type MC cable where flexibility is necessary.~~

g. ~~Where flexibility after installation is necessary, lengths of flexible metal conduit and liquidtight flexible metal conduit measured from the last point where the raceway is securely fastened shall not exceed: 36 inches for trade sizes ½ through 1 ¼, 48 inches for trade sizes 1 ½ through 2 and 5 feet for trade sizes 2 ½ and larger.~~

h. ~~Within 8 inches, (203 mm **millimeters**), of boxes without cable clamps.~~

i. ~~Flat cables shall not be stapled on edge.~~

j. ~~Bushings and grommets shall remain in place and shall be listed for the purpose of cable protection.~~

k. ~~See Section R502.8 and R802.7 for additional limitations on the location of bored holes in horizontal framing members.~~

~~1. Raceways may be unsupported where the raceway is not more than 900 millimeters (36 inches) long and remains in unbroken lengths (without coupling). Such raceways shall terminate in an outlet box, junction box, device box, cabinet, or other termination at each end of the raceway.~~

**R 408.30537b—Power and lighting distribution. Rescinded.**

~~—Rule 537b. Sections E3901.11, E3905.3.2, E3908.9, and E3908.10, are amended and E3908.9.1, E3908.9.1.1 and E3908.9.1.2 are added to read as follows:~~

~~—E3901.11. Foyers. Foyers that are not part of a hallway in accordance with Section E3901.10 and that have an area that is greater than 100 feet<sup>2</sup>, (9.2903 m<sup>2</sup> **meters squared**), shall have a receptacle(s) located in each wall space that is 3 feet, (914 mm **millimeters**), or more in width. Doorways, door side windows that extend to the floor and similar openings shall not be considered as wall space. [210.52(I) amended]~~

~~—E3905.3.2. Securing to box. All permitted wiring methods shall be secured to the boxes.~~

~~—Exception: Where nonmetallic sheathed cable is used with boxes not larger than a nominal size of 2-1/4 inches by 4 inches, (57 mm **millimeters** by 102 mm **millimeters**), mounted in walls or ceilings, and where the cable is fastened within 8 inches, (2,032 mm **millimeters**), of the box measured along the sheath, and where the sheath extends through a cable knockout not less than 1/4 inch, (6.4 mm **millimeters**), securing the cable to the box shall not be required. Multiple cable entries shall be permitted in a single cable knockout opening. [314.17(e) Exception amended]~~

~~—E3908.9. Equipment fastened in place or connected by permanent wiring methods. Noncurrent-carrying metal parts of equipment, raceways, and other enclosures, where required to be grounded, shall be grounded by 1 of the following methods: [250.134]~~

~~—(a) By any of the equipment grounding conductors permitted by Sections E3908.8 and E3908.8.3. [250.134(A)]~~

~~—(b) By an equipment grounding conductor contained within the same raceway, cable, or cord, or otherwise run with the circuit conductors. Equipment grounding conductors shall be identified in accordance with Section E3407.2. [250.134(B) Exception]~~

~~—E3908.9.1. Cord and plug connected equipment. Non-current carrying metal parts of the cord and plug connected equipment, if grounded, shall be connected to an equipment grounding conductor by 1 of the methods in E3908.9.1.1 and E3908.9.1.2. [250.138]~~

~~—E3908.9.1.1. By means of an equipment grounding conductor. By means of an equipment grounding conductor run with the power supply conductors in a cable assembly or flexible cord properly terminated in a grounding-type attachment plug with 1 fixed grounding contact. [250.138(A)]~~

~~—Exception: The grounding contacting pole of grounding-type plug in ground-fault circuit interrupters may be of the movable, self-restoring type on circuits operating at not over 150 volts between any 2 conductors or over 150 volts between any conductor and ground. [250.138(A) Exception]~~

~~—E3908.9.1.2. By means of a separate flexible wire or strap. By means of a separate flexible wire or strap, insulated or bare, connected to an equipment grounding conductor, and protected as well as practicable against physical damage, where part of the equipment. [250.138(B)]~~

~~—E3908.10. Methods of equipment grounding. Fixtures and equipment shall be considered grounded where mechanically connected to an equipment grounding conductor as specified in Sections E3908.8 and E3908.8.3. Wire type equipment grounding conductors shall be sized in accordance with Section E3908.12.~~

**R 408.30537c—Devices and luminaires. Rescinded.**

~~—Rule 537c. Sections E4002.2, and E4002.16, are amended to read as follows:~~

~~—E4002.2. Grounding type. Receptacles installed on 15 and 20 ampere-rated branch circuits shall be of the grounding type and connected to an equipment grounding conductor.~~

~~—Exception: Replacement receptacles as permitted by Section E4002.16.~~

~~—E4002.16. Replacements. Replacement of receptacles shall comply with the following as applicable. [406.4(D) amended]~~

- ~~–(1) Grounding type receptacles. Where a grounding means exists in the receptacle enclosure or an equipment grounding conductor is installed grounding type receptacles shall be used and shall be connected to the equipment grounding conductor. [406.4(D)(1) amended]~~
- ~~–(2) Non-grounding type receptacles. Where attachment to an equipment grounding conductor does not exist in the receptacle enclosure, the installation shall comply with 1 of the following: [406.4(D)(2) amended]~~
- ~~–(a) A non-grounding type receptacle may be replaced with another non-grounding type receptacle. [406.4(D)(2)(a)]~~
- ~~–(b) A non-grounding type receptacle may be replaced with a ground fault circuit interrupter type of receptacle. These receptacles shall be marked “no equipment ground.” An equipment grounding conductor shall not be connected from the ground fault circuit interrupter type receptacle to any outlet supplied from the ground fault circuit interrupter receptacle. [406.4(D)(2)(b)]~~
- ~~–(c) A non-grounding type receptacle may be replaced with a grounding type receptacle where supplied through a ground fault circuit interrupter. Grounding type receptacles supplied through the ground fault circuit interrupter shall be marked “GFCI protected” and “no equipment ground.” An equipment grounding conductor shall not be connected between the grounding type receptacles. [406.4(D)(2)(c)]~~
- ~~–(3) Ground fault circuit interrupters. Ground fault circuit interrupter protected receptacles shall be provided where replacements are made at receptacle outlets that are required to be so protected elsewhere in this code. [406.4(D)(3)]~~
- ~~–Exception: Where replacement of the receptacle type is impracticable, such as where the outlet box size will not permit the installation of the GFCI receptacle, the receptacle may be replaced with a new receptacle of the existing type, where GFCI protection is provided and the receptacle is marked “GFCI protected” and “no equipment ground” in accordance with E4002.16 (2)(a), (b), or (c). [406.4(D)(3) Exception]~~

**R 408.30537d–Frames of ranges and clothes dryers. Rescinded.**

~~–Rule 537d. Section E4101.8 of the code is added to read as follows:~~

~~–E4101.8. Frames of ranges and clothes dryers. Frames of electric ranges, wall-mounted ovens, counter-mounted cooking units, clothes dryers, and outlet or junction boxes that are part of the circuit for these appliances shall be connected to the equipment grounding conductor in the manner specified in E3908.9. [250.140 amended]~~

~~–Exception: For existing branch circuit installations only where an equipment grounding conductor is not present in the outlet or junction box, the frames of electric ranges, wall-mounted ovens, counter-mounted cooking units, clothes dryers, and outlet or junction boxes that are part of the circuit for these appliances may be connected to the grounded circuit conductor if all of the following conditions are met: [250.140 Exception]~~

- ~~–1. The supply circuit is 120/240-volt single-phase, 3-wire connected system. [250.140 Exception (1)]~~
- ~~–2. The grounded conductor is not smaller than 10 AWG copper or 8 AWG aluminum. [250.140 Exception (2)]~~
- ~~–3. The grounded conductor is insulated, or the grounded conductor is uninsulated and part of a type SE service entrance cable and the branch circuit originates at the service equipment. [250.140 Exception (3)]~~
- ~~–4. Grounding contacts of the receptacles furnished as part of the equipment are bonded to the equipment. [250.140 Exception (4)]~~

**R 408.30538 Combustible insulation. Rescinded.**

~~Rule 538. Section 302.13 of the code is amended to read as follows:~~

~~302.13. Combustible insulation. Combustible insulation shall be separated a minimum of 3 inches (76 mm) from recessed lighting fixtures, fan motors, and other heat producing devices.~~

~~Exception: When heat producing devices are listed for lesser clearances, combustible insulation complying with the listing requirements shall be separated in accordance with the conditions stipulated in the listing.~~

~~Recessed lighting fixtures installed in the building thermal envelope shall be installed in accordance with the manufacturer's installation instructions.~~

R 408.30539a Automatic fire sprinkler systems. **Rescinded.**

~~Rule 539a. Sections R313.1, P2902.5.4 and P2904.1 of the code are amended to read as follows:~~

~~R313.1. Design and installation. Where installed, automatic residential fire sprinkler systems shall conform to the design and installation requirements of the national fire protection association (NFPA) standard 13D or P2904.1.~~

~~P2902.5.4. Connections to automatic fire sprinkler systems. The potable water supply to automatic fire sprinkler systems shall be protected against backflow by a double check valve assembly or a reduced pressure principle backflow preventer.~~

~~Exception: Isolation of the water distribution system is not required for deluge, preaction, or dry pipe system.~~

~~P2904.1. General. Where installed, residential fire sprinkler systems, or portions thereof, shall be in accordance with NFPA 13D.~~

R 408.30540 Elevators and platform lifts. **Rescinded**

~~Rule 540. Sections R321.1, R321.2, and R321.3 of the code are amended to read as follows:~~

~~R321.1. Elevators. Where provided, passenger elevators, limited use/limited application elevators or private residence elevators shall comply with the Michigan elevator rules R 408.7001 to R 408.8695.~~

~~R321.2. Platform lifts. Where provided, platform lifts shall comply with the Michigan elevator rules R 408.7001 to R 408.8695.~~

~~R321.3. Accessibility. Elevators or platform lifts that are part of an accessible route required by chapter 11 of the Michigan building code, shall comply with ICC A117.1, as listed in chapter 44, and 1966 PA 1, MCL125.1354 to MCL 125.1356.~~

R 408.30541a Duct installation.

Rule 541a. Section M1502.4.2 of the code is amended to read as follows:

M1502.4.2. Duct installation. Dryer exhaust ducts shall be supported at 4 foot, (1,219 mm **millimeters**), intervals and secured in place. The insert end of the duct shall extend into the adjoining duct or fitting in the direction of airflow. Ducts shall not be joined with screws or similar fasteners that protrude into the inside of the duct.

R 408.30542 Floor register location. **Rescinded.**

~~Rule 542. Section M1601.4.10 is added to the code to read as follows:~~

~~M1601.4.10. Floor register location. Floor registers located in room or spaces containing water closets shall be located a minimum of 3 feet (914 mm) from the water closet.~~

R 408.30544 Light, ventilation, and heating.



Rule 544. Section R303.5.2 of the code is amended to read as follows:

R303.5.2. Exhaust openings. Outside exhaust openings shall be located as not to create a nuisance. Exhaust openings shall not be directed onto walkways. Exhaust openings shall not terminate within 3 feet, **914.4 millimeters**, of a ventilated section in a soffit.

**R 408.30544a Townhouses. Rescinded.**

~~Rule 544a. Section R302.2 of the code is amended to read as follows:~~

~~R302.2. Townhouses. Each townhouse shall be considered a separate building and shall be separated by a 2-hour fire-resistance-rated wall assembly tested in accordance with ASTM E 119 or UL 263 with exposure from both sides.~~

~~Exception: Where the building is provided with an automatic fire sprinkler system installed in accordance with NFPA 13D or P2904.1, a common 1-hour fire-resistance-rated wall assembly tested in accordance with ASTM E 119 or UL 263, as listed in chapter 44, is permitted for townhouses if such walls do not contain plumbing or mechanical equipment, ducts, or vents in the cavity of the common wall. The wall shall be rated for fire exposure from both sides and shall extend to and be tight against exterior walls and the underside of the roof sheathing. Electrical installations shall be installed in accordance with chapters 34 to 43. Penetrations of electrical outlet boxes shall be in accordance with section R302.4.~~

**R 408.30544b Exterior walls.**

Rule 544b. Section R302.5.1 of the code is amended and table R302.1(1) is added to read as follows:

R302.5.1. Opening protection. Openings from a private garage directly into a room used for sleeping purposes shall not be permitted. Other openings between the garage and residence shall be equipped with solid wood doors not less than 1-3/8 inches, (35 ~~mm~~ **millimeters**), in thickness, solid or honeycomb-core steel doors not less than 1-3/8 inches, (35 ~~mm~~ **millimeters**), thick, or 20-minute fire-rated doors.

TABLE R302.1(1)  
EXTERIOR WALLS

EXTERIOR WALL ELEMENT		MINIMUM FIRE-RESISTANCE RATING	MINIMUM FIRE SEPARATION DISTANCE
Walls	Fire-resistance rated	1 hour-tested in accordance with ASTM E 119 or UL 263 with exposure from both sides	< 5 feet
	Not fire-resistance rated	0 hours	≥ 5 feet
Projections	Not allowed <sup>a</sup>	NA	< 2 feet
	Fire-resistance rated	1 hour on the underside	≥ 2 feet to < 5 feet
	Not fire-resistance rated	0 hours	≥ 5 feet
Opening in walls	Not allowed	N/A	< 3 feet
	25% maximum of wall area	0 hours	3 feet
	Unlimited	0 hours	5 feet
Penetrations	All	Comply with Section R302.4	< 5 feet
		None required	5 feet

For SI: 1 foot = 304.8 ~~mm~~ **millimeters**.

N/A = Not applicable

- a. except as allowed as per Ssection R302.1 exceptions 3 and 4

R 408.30545 ~~Masonry veneer wall covering~~ **Rescinded.**

~~Rule 545. Figures R703.8, R703.8.2.1, and R703.8.2.2, of the code are amended to read as follows:~~

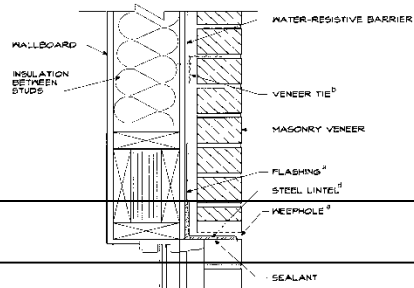


FIGURE R 703.8 - continued  
MASONRY VENEER WALL DETAILS

FOR 5/8" (16 mm) WALLBOARD  
 a SEE SECTIONS R703.15, R703.16 AND R703.17  
 b SEE SECTIONS R703.2 AND R703.14  
 c SEE SECTIONS R703.14.2 AND R703.14.3  
 d SEE SECTION R703.13

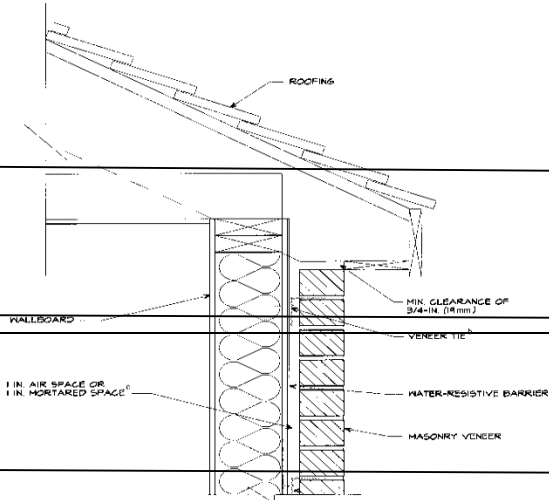


FIGURE R 703.8 - continued  
MASONRY VENEER WALL DETAILS

FOR 5/8" (16 mm) WALLBOARD  
 a SEE SECTIONS R703.15, R703.16 AND R703.17  
 b SEE SECTIONS R703.2 AND R703.14  
 c SEE SECTIONS R703.14.2 AND R703.14.3  
 d SEE SECTION R703.13

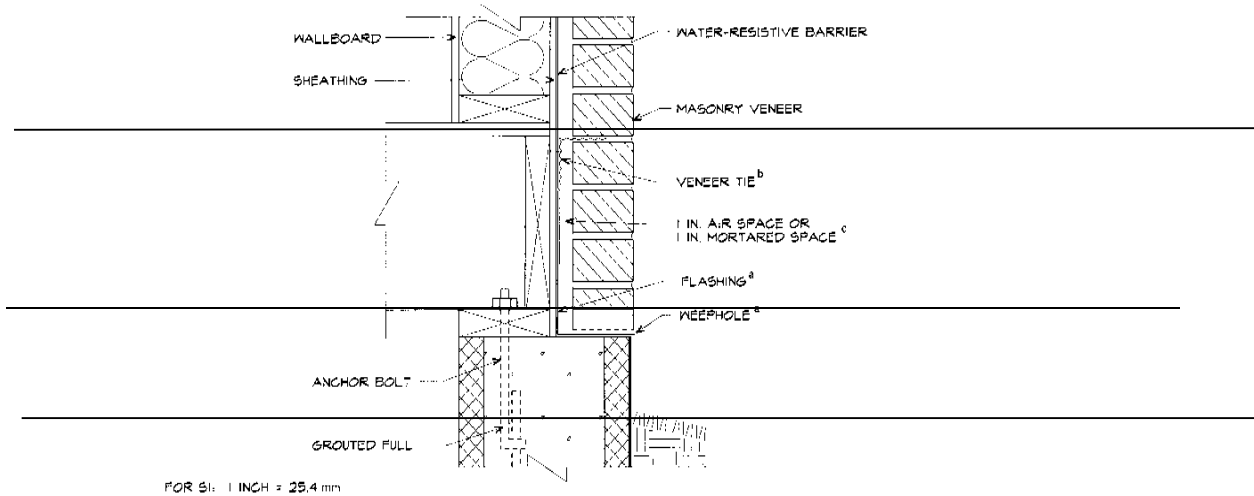
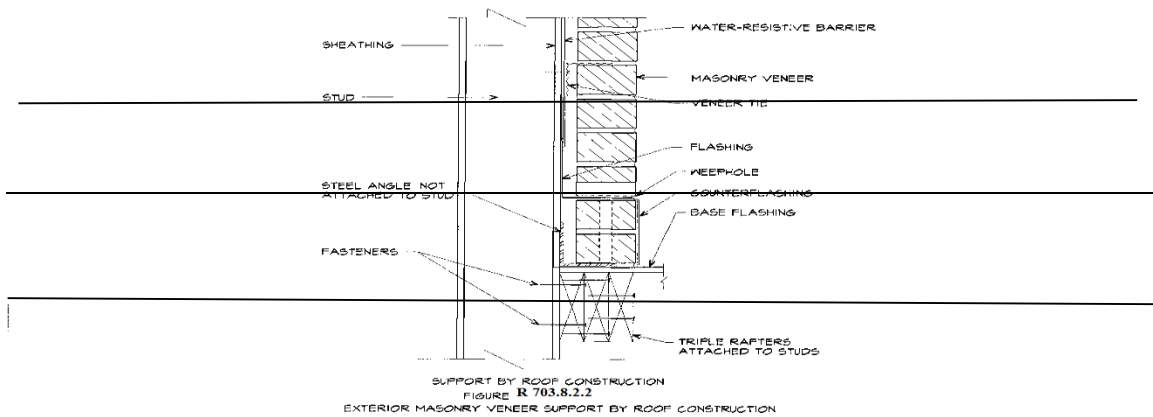
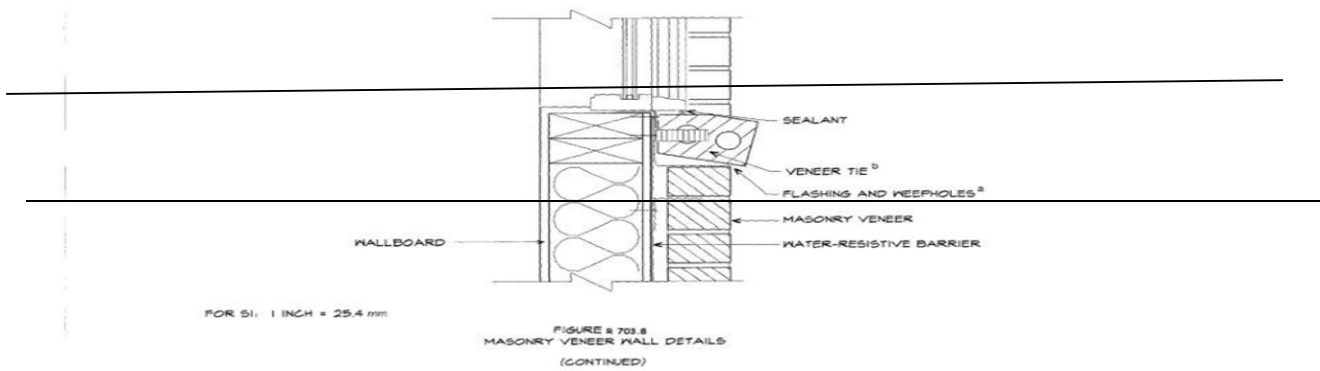
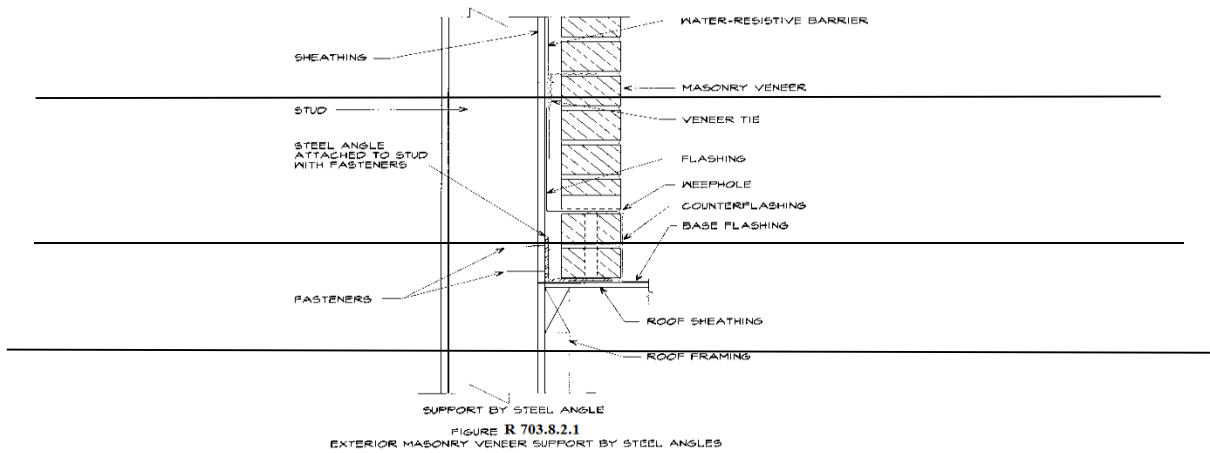


FIGURE R 703.8  
MASONRY VENEER WALL DETAILS  
(CONTINUED)





R 408.30545a ~~Masonry heater clearance.~~ **Rescinded.**

~~Rule 545a. Section R1002.5 of the code is amended to read as follows:~~

~~R1002.5. Masonry heater clearance. Combustible materials shall not be placed within 36 inches (914 mm) of the outside surface of a masonry heater unless installed in accordance with NFPA 211, and the~~

~~required space between the heater and combustible material shall be fully vented to permit the free flow of air around all heater surfaces.~~

~~Exceptions:~~

~~1. When the masonry heater wall is at least 8 inches (203 mm) thick of solid masonry and the wall of the heat exchange channels is at least 5 inches (127 mm) thick of solid masonry, combustible materials shall not be placed within 4 inches (102 mm) of the outside surface of a masonry heater. A clearance of at least 8 inches (203 mm) shall be provided between the gas tight capping slab of the heater and a combustible ceiling.~~

~~2. Masonry heaters listed and labeled in accordance with UL 1482 may be installed in accordance with the listing specifications and the manufacturer's written instructions.~~

**R 408.30547b Chimneys. Rescinded.**

~~R547b. Sections R1003.9.1, R1005.4, Figure R1001.1, are amended and Figures R1003.9.1(1) and R1003.9.1(2) are added to read as follows:~~

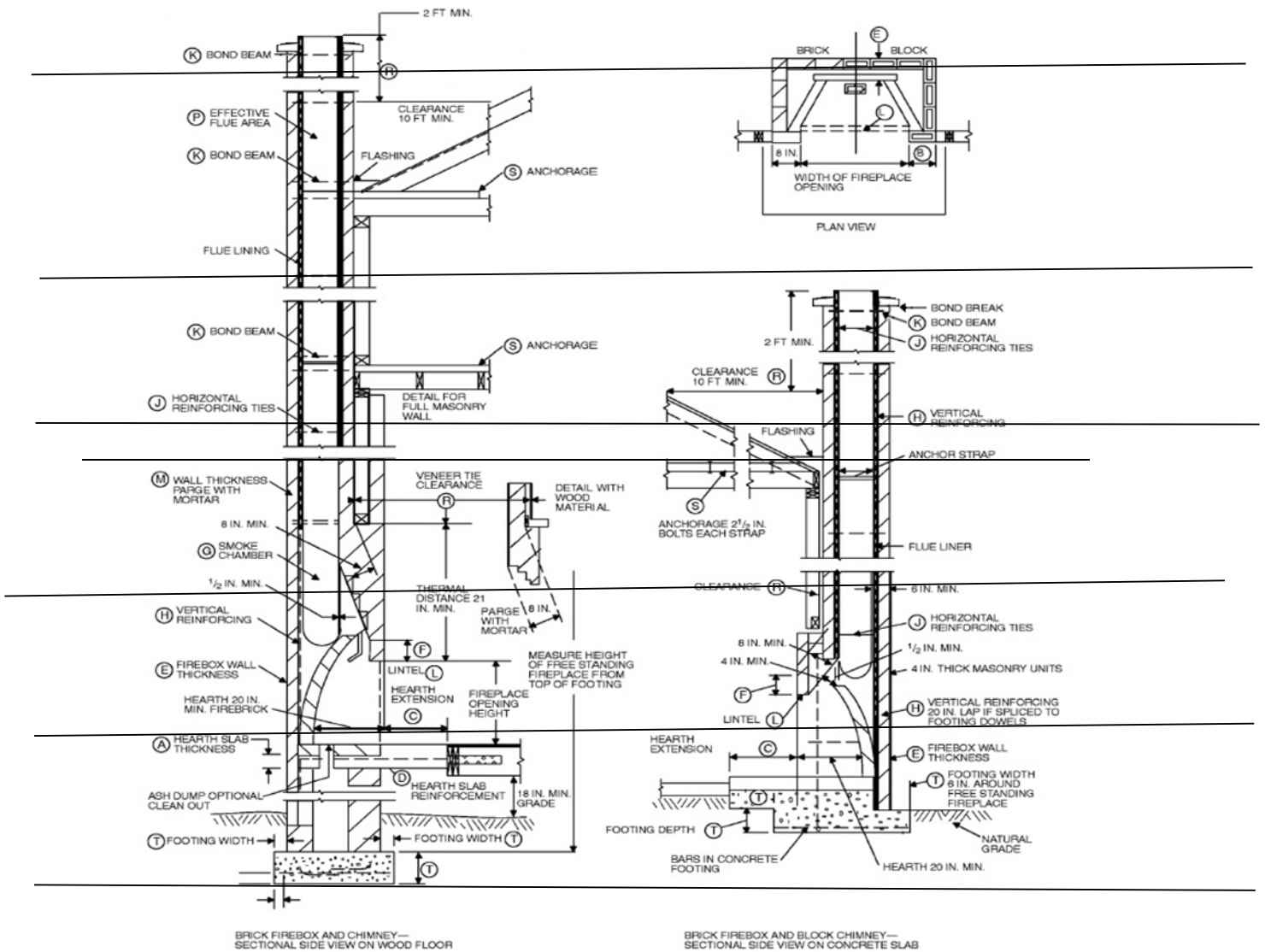
~~R1003.9.1. Chimney caps. Masonry chimneys shall have a concrete, metal, or stone cap sloped a minimum of 10 degrees to shed water, a drip edge or slot and shall be flashed in accordance with figure R1003.9.1(1). The joint space between the flue liner and the cap shall be filled with compressible filler and caulked with a suitable sealant to allow for expansion and contraction of the materials. All vertical joints in a chimney cap shall be caulked with a suitable sealant.~~

~~The cap shall be a minimum of 2" (51 mm) thick at the outer edge and overhang the outer wall of the chimney by a minimum of 2" (51 mm). The drip slot shall be located not less than 1-1/2" (38 mm) from the outer surface of the chimney. A bond break shall be installed between the concrete cap and the chimney masonry.~~

~~Metal caps shall lap down the chimney wall a minimum of 4" (102 mm) and be sealed with a suitable sealant.~~

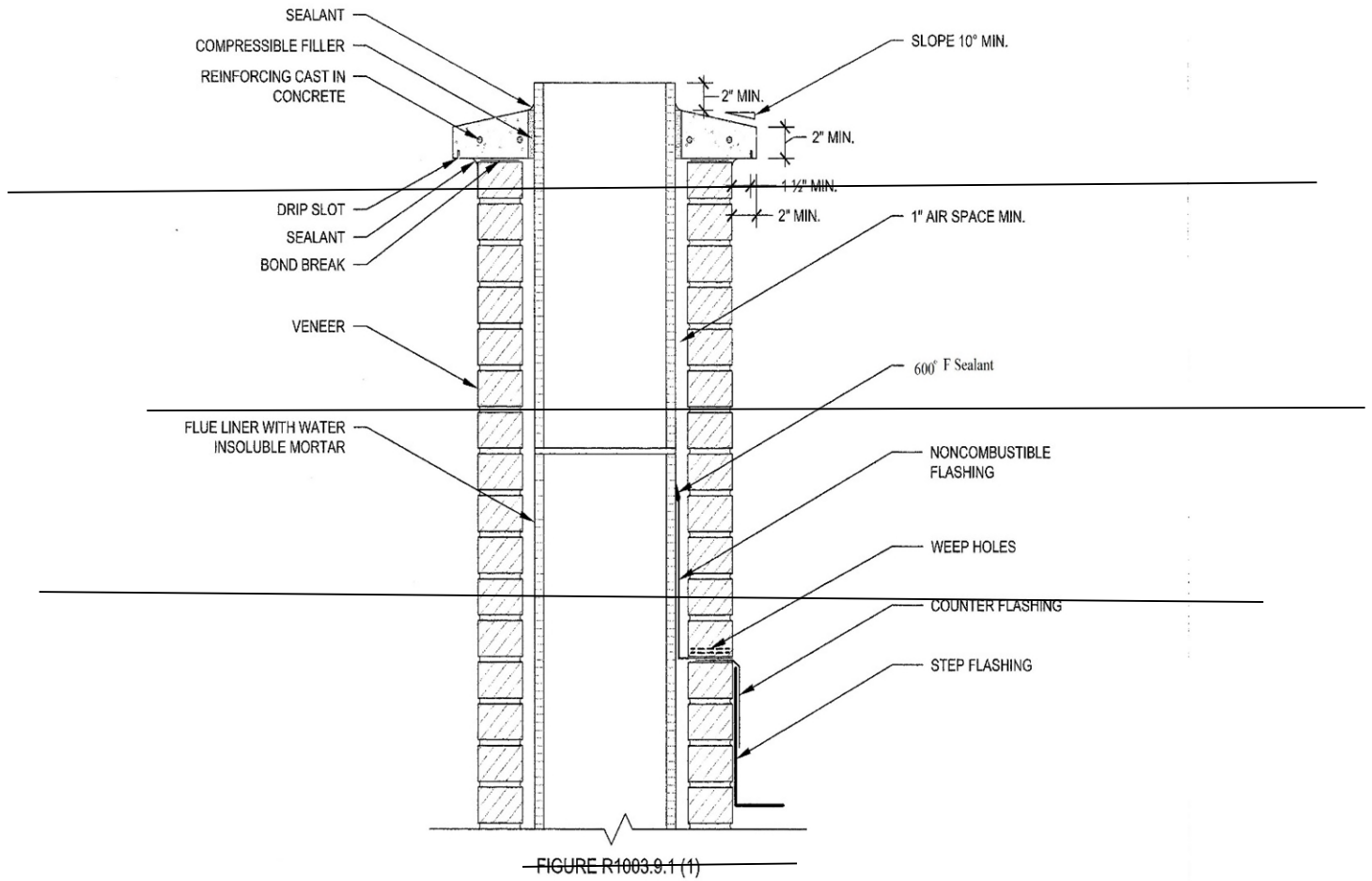
~~Joint sealants shall meet ASTM C 920, type S or M, grade NS, class 25 and be installed in accordance with the manufacturer's installation instructions.~~

~~R1005.4. Factory built chimneys. Chimneys for use with factory built fireplaces shall comply with the requirements of UL 127. The metal chase cover shall be sloped a minimum of 10° to shed water. Metal chase cover shall lap down the chimney wall a minimum of 4" (102 mm) and be sealed with a suitable sealant. Exterior wall claddings shall be applied and flashed in accordance with Section R703 and manufacturer's installation instructions.~~

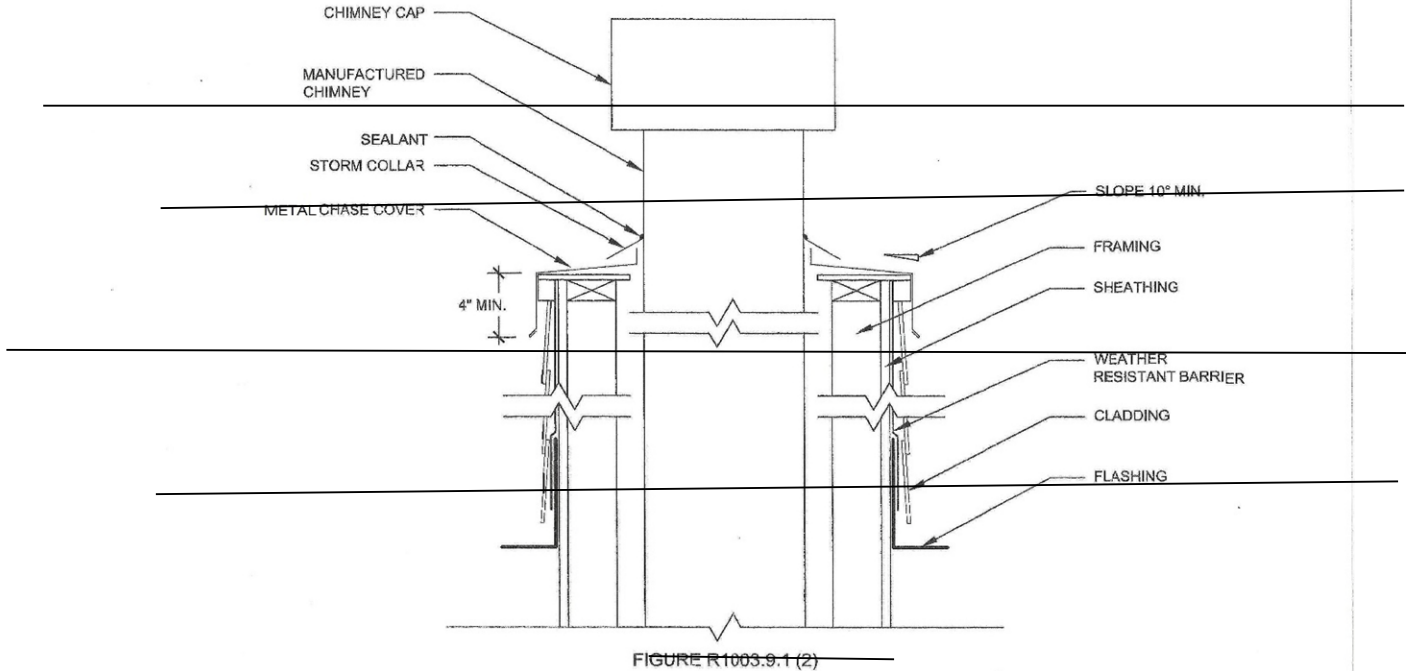


For SI: 1 inch = 25.4 mm, 1 foot = 304.8 mm.

Figure R1001.1  
Fireplace and Chimney Details







**R 408.30547c General. ~~Rescinded.~~**

~~Rule 547c. Sections N1101.3.1, N1101.7, N1101.10, N1101.12.3, N1101.16, tables N1101.10, and N1101.10.2(2) are amended and figure N1101.10a of the code is added to read as follows:~~

~~N1101.3.1 (R101.4.3). Additions, alterations, renovations, or repairs. Additions, alterations, renovations, or repairs to an existing building, building system, or portion thereof shall conform to the provisions of this code as they relate to new construction without requiring the unaltered portion(s) of the existing building or building system to comply with this code. Additions, alterations, renovations, or repairs shall not create an unsafe or hazardous condition or overload existing building systems. An addition shall be deemed to comply with this code if the addition alone complies or if the existing building and addition comply with this code as a single building.~~

~~Exception: The following are exempt provided the energy use of the building is not increased:~~

- ~~1. Storm windows installed over existing fenestration.~~
- ~~2. Glass only replacements in an existing sash and frame.~~
- ~~3. Existing ceiling, wall, or floor cavities exposed during construction provided that these cavities are filled with insulation.~~
- ~~4. Construction where the existing roof, wall, or floor cavity is not exposed.~~
- ~~5. Reroofing where the roof is part of the thermal envelope, and where neither the roof sheathing nor the roof insulation is exposed.~~
- ~~6. Reroofing where the roof is not part of the thermal envelope.~~

- ~~–7. Replacement of existing doors that separate conditioned space from the exterior shall not require the installation of a vestibule or revolving door, provided, however, that an existing vestibule that separates a conditioned space from the exterior shall not be removed.~~
- ~~–8. Alterations that replace less than 50% of the luminaries in a space, provided that such alterations do not increase the installed interior lighting power.~~
- ~~–9. Alterations that replace only the bulb and ballast within the existing luminaries in a space provided that the alteration does not increase the installed interior lighting power.~~
- ~~–N1101.7 (R102.1.1). Above code programs. The state construction code commission may evaluate and approve a national, state, or local energy efficiency program to exceed the energy efficiency required by this code. Buildings approved in writing by such an energy efficiency program, such as ICC 700-2012 “silver” or energy star version 3 (rev. 07), shall be considered in compliance with this code. The requirements identified as “mandatory” in chapter 4 shall be met.~~
- ~~–N1101.10 (R301.1). Climate zones. Climate zones from figures 301.1, 301.1a or table 301.1 shall be used in determining the applicable requirements of this code.~~
- ~~–N1101.12.3. Fenestration product rating. U factors of fenestration products (windows, doors, and skylights) shall be determined in accordance with NFRC 100 by an accredited, independent laboratory, and labeled and certified by the manufacturer. Products lacking such a labeled U factor shall be assigned a default U factor from table N1101.12.3(1) or N1101.12.3(2).~~
- ~~–Exception: Computer simulations by independent NFRC certified laboratories or approval under section 21 of 1972 PA 230, MCL 125.1521 is considered in compliance with this section.~~
- ~~–N1101.16 (R401.3). Certificate (mandatory). A permanent certificate shall be posted on or in the electrical distribution panel, and shall meet all of the following:~~
  - ~~–(a) Be affixed or attached so it does not cover or obstruct the visibility of the circuit directory label, service disconnect label, or other required labels.~~
  - ~~–(b) Be completed by the builder or registered design professional.~~
  - ~~–(c) List the predominant R values of insulation installed in or on ceiling/roof, walls, foundation (slab, basement wall, crawlspace wall and/or floor) and ducts outside conditioned spaces and U factors for fenestration. If there is more than 1 value for each component, then the certificate shall list the value covering the largest area.~~
  - ~~–(d) List the types and efficiencies of heating, cooling, and service water heating equipment.~~
  - ~~–(e) If a gas-fired unvented room heater, electric furnace, or baseboard electric heater is installed in the residence, then the certificate shall list “gas-fired unvented room heater,” as appropriate. An efficiency shall not be listed for gas-fired unvented room heaters, electric furnaces, or electric baseboard heaters.~~

Table N1101.10  
Climate Zones by County

Zones		
5A	6A	7
Allegan	Alcona	Baraga
Barry	Alger	Chippewa
Bay	Alpena	Gogebie
Berrien	Antrim	Houghton
Branch	Arenac	Iron
Calhoun	Benzie	Keweenaw

Cass	Charlevoix	Luce
Clinton	Cheboygan	Mackinac
Eaton	Clare	Ontonagon
Genesee	Crawford	Schoolcraft
Gratiot	Delta	
Hillsdale	Dickinson	
Ingham	Emmet	
Ionia	Gladwin	
Jackson	Grand Traverse	
Kalamazoo	Huron	
Kent	Ioseo	
Lapeer	Isabella	
Lenawee	Kalkaska	
Livingston	Lake	
Macomb	Leelanau	
Midland	Manistee	
Monroe	Marquette	
Montcalm	Mason	
Muskegon	Mecosta	
Oakland	Menominee	
Ottawa	Missaukee	
Saginaw	Montmorency	
Shiawassee	Nwaygo	
St. Clair	Oceana	
St. Joseph	Ogemaw	
Tuscola	Osceola	
Van Buren	Oscoda	
Washtenaw	Otsego	
Wayne	Presque Isle	
	Roscommon	
	Sanilac	
	Wexford	

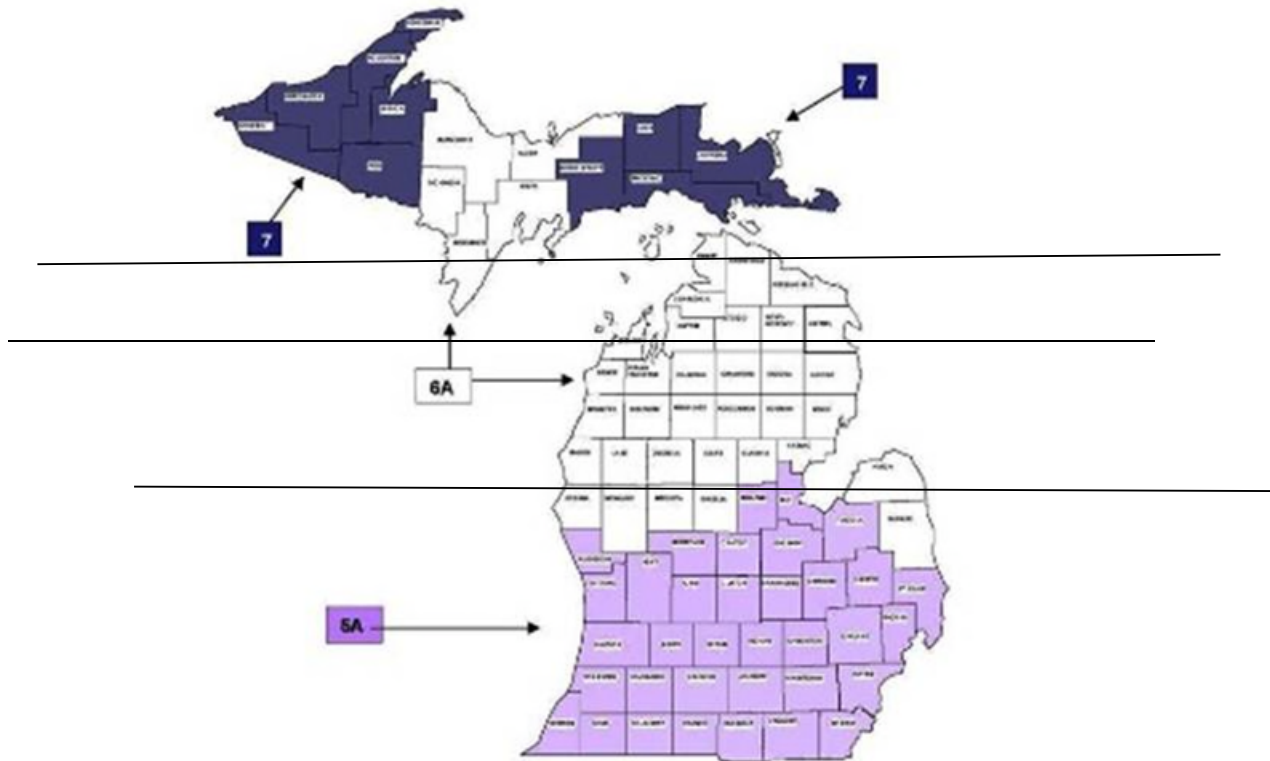
Key: A – Moist. Absence of moisture designation indicates moisture regime is irrelevant.

Table N1101.10.2(2)  
Climate Zone Definitions

Zone Number	Thermal Criteria	
	IP Units	SI Units
5A	5400 < HDD65°F ≤ 7200	3000 < HDD18°C ≤ 4000
6A	7200 < HDD65°F ≤ 9000	4000 < HDD18°C ≤ 5000
7	9000 < HDD65°F ≤ 12600	5000 < HDD18°C ≤ 7000

For SI: °C = [(°F) - 32]/1.8

FIGURE N1101.10a  
CLIMATE ZONES



R 408.30547d ~~Building thermal envelope.~~ **Rescinded.**

~~Rule 547d. Sections N1102.2.6, N1102.2.12, N1102.3.3, N1102.3.6, N1102.4, N1102.4.1.1, N1102.4.1.2, N1102.4.2, N1102.4.3, N1102.4.4, tables N1102.1.1, N1102.1.3, and N1102.4.1.1 of the code are amended to read as follows:~~

~~N1102.2.6 (R402.2.6). Steel frame ceilings, walls, and floors. Steel frame ceilings, walls, and floors shall meet the insulation requirements of table N1102.2.6 or shall meet the U-factor requirements in table N1102.1.3. The calculation of the U factor for a steel frame envelope assembly shall use a series-parallel path calculation method.~~

~~N1102.2.12 Thermally isolated sunroom insulation. The minimum ceiling insulation R values shall be R 24 in zones 5 to 7. The minimum wall R value shall be R 13 in all zones. New wall or walls separating a sunroom from conditioned space shall meet the building thermal envelope requirements.~~

~~N1102.3.3 (R402.3.3). Glazed fenestration exemption. Up to 15 square feet (1.4m<sup>2</sup>) of glazed fenestration per dwelling unit may be exempt from U-factor requirements in section N1102.1.1. This exemption shall not apply to the U factor alternative approach in section N1102.1.1 and the total UA alternative in section N1102.1.4.~~

~~N1102.3.6 (R402.3.6). Replacement fenestration. Where some or all of an existing fenestration unit is replaced with a new fenestration product, including sash and glazing, the replacement fenestration unit shall meet the applicable requirements for U factor in table N1102.1.3. Where some or all of an existing fenestration unit is replaced with a new fenestration product, including sash and glazing, the replacement fenestration unit shall meet the applicable requirements for U factor in table N1102.1.1.~~

~~N1102.4 (R402.4). Air leakage. The building thermal envelope shall be constructed to limit air leakage in accordance with the requirements of sections N1102.4.1 through N1102.4.4.~~

~~N1102.4.1 (R402.4.1). Building thermal envelope. The building thermal envelope shall comply with sections N1102.4.1.1 and N1102.4.1.2.~~

~~N1102.4.1.1 (R402.4.1.1). Installation (mandatory). The components of the building thermal envelope as listed in table N1102.4.1.1 shall be installed in accordance with the manufacturer's instructions and the criteria listed in table N1102.4.1.1, as applicable to the method of construction. The sealing methods between dissimilar materials shall allow for differential expansion and contraction.~~

~~N1102.4.1.2 (R402.4.1.2). Testing (prescriptive). The building or dwelling unit shall be tested and verified as having an air leakage rate of not exceeding 4 air changes per hour. Testing shall be conducted with a blower door at a pressure of 0.2" w.g. (50 pascals). Where required by the code official, testing shall be conducted by a certified independent third party. Certification programs shall be approved by the state construction code commission. A written report of the results of the test shall be signed by the party conducting the test and provided to the code official. Testing shall be performed at any time after creation of all penetrations of the building thermal envelope.~~

~~During testing all of the following apply:~~

~~1. Exterior windows and doors, fireplace, and stove doors shall be closed, but not sealed, beyond the intended weather stripping or other infiltration control measures.~~

~~2. Dampers including exhaust, intake, makeup air, backdraft, and flue dampers shall be closed, but not sealed beyond intended infiltration control measures.~~

~~3. Interior doors, if installed at the time of the test, shall be open.~~

~~4. Exterior doors for continuous ventilation systems and heat recovery ventilators shall be closed and sealed.~~

~~5. Heating and cooling systems, if installed at the time of the test, shall be turned off.~~

~~6. Supply and return registers, if installed at the time of the test, shall be fully open.~~

~~N1102.4.2 (R402.4.2). Fireplaces (mandatory). New wood burning masonry fireplaces shall have tight-fitting flue dampers and outdoor combustion air.~~

~~N1102.4.3 (R402.4.3). Fenestration air leakage (mandatory). Windows, skylights, and sliding glass doors shall have an air infiltration rate of no more than 0.3 cfm per square foot (1.5 L/s/m<sup>2</sup>), and swinging doors no more than 0.5 cfm per square foot (2.6 L/s/m<sup>2</sup>), when tested according to NFRC 400 or AAMA/WDMA/CSA 101/I.S.2/A440 by an accredited, independent laboratory and listed and labeled by the manufacturer.~~

~~Exception: Site built windows, skylights, and doors.~~

~~N1102.4.4 (R402.4.4). Recessed lighting (mandatory). Recessed luminaires installed in the building thermal envelope shall be sealed to limit air leakage between conditioned and unconditioned spaces. All recessed luminaires shall be IC-rated and labeled as having an air leakage rate not more than 2.0 cfm (0.944 L/s) when tested in accordance with ASTM E 283 at a 1.57 psf (75 Pa) pressure differential. All recessed luminaires shall be sealed with a gasket or caulk between the housing and the interior wall or ceiling covering.~~

**TABLE N1102.1.1 (R402.1.1)**  
**INSULATION AND FENESTRATION REQUIREMENTS BY COMPONENT<sup>a</sup>**

Climate Zone	Fenestration U-Factor <sup>b</sup>	Skylight U-Factor	Ceiling R-Value	Wood Frame Wall R-Value	Mass Wall R-Value <sup>g</sup>	Floor R-Value	Basement Wall R-Value	Slab <sup>d</sup> R-Value & Depth	Crawl Space <sup>e</sup> Wall R-Value
5A	0.32	0.55	38	20 or 13 + 5 <sup>f</sup>	13/17	30 <sup>e</sup>	10/13	10, 2 ft	15/19
6A	0.32	0.55	49	20 or 13 + 5 <sup>f</sup>	15/20	30 <sup>e</sup>	15/19	10, 4 ft	15/19
7	0.32	0.55	49	20 or 13 + 5 <sup>f</sup>	19/21	38 <sup>e</sup>	15/19	10, 4 ft	15/19

a. R-values are minimums. U-factors are maximums. When insulation is installed in a cavity which is less than the label or design thickness of the insulation, the installed R-value of the insulation shall not be less than the R-values specified in the table.

b. The fenestration U-factor column excludes skylights.

c. “15/19” means R-15 continuous insulation on the interior or exterior of the home or R-19 cavity insulation at the interior of the basement wall. “15/19” may be met with R-13 cavity insulation on the interior of the basement wall plus R-5 continuous insulation on the interior or exterior of the home. “10/13” means R-10 continuous insulation on the interior or exterior of the home or R-13 cavity insulation at the interior of the basement wall.

d. R-5 shall be added to the required slab edge R-values for heated slabs.

e. Or insulation sufficient to fill the framing cavity, R-19 minimum.

f. First value is cavity insulation, second is continuous insulation or insulated siding, so “13 + 5” means R-13 cavity insulation plus R-5 continuous insulation or insulated siding. If structural sheathing covers 40% or less of the exterior, continuous insulation R-value may be reduced by no more than R-3 in the locations where structural sheathing is used—to maintain a consistent total sheathing thickness.

g. The second R-value applies when more than 1/2 the insulation is on the interior of the mass wall.

**TABLE N1102.1.3 (R402.1.3)**  
**EQUIVALENT U FACTORS<sup>a</sup>**

Climate Zone	Fenestration U-Factor	Skylight U-Factor	Ceiling U-Factor	Frame Wall U-Factor	Mass Wall U-Factor <sup>b</sup>	Floor U-Factor	Basement Wall U-Factor	Crawl Space Wall U-Factor
5A	0.32	0.55	0.030	0.057	0.082	0.033	0.059	0.055
6A	0.32	0.55	0.026	0.057	0.060	0.033	0.050	0.055
7	0.32	0.55	0.026	0.057	0.057	0.028	0.050	0.055

a. Nonfenestration U-factors shall be obtained from measurement, calculation, or an approved source.

b. When more than half the insulation is on the interior, the mass wall U-factors shall be a maximum of 0.065 in zone 5 and marine 4, and 0.057 in zones 6 and 7.

TABLE N1102.4.1.1 (R402.4.1.1)  
AIR BARRIER AND INSULATION INSTALLATION

COMPONENT	CRITERIA <sup>a</sup>
Air barrier and thermal barrier	A continuous air barrier shall be installed in the building envelope. Exterior thermal envelope contains a continuous air barrier. Breaks or joints in the air barrier shall be sealed. Air-permeable insulation shall not be used as a sealing material.
Ceiling/attic	The air barrier in any dropped ceiling/soffit shall be aligned with the insulation and any gaps in the air barrier sealed. Access openings, drop-down stair, or knee wall doors to unconditioned attic spaces shall be sealed.
Walls	Corners and headers shall be insulated and the junction of the foundation and sill plate shall be sealed. The junction of the top plate and top of exterior walls shall be sealed. Exterior thermal envelope insulation for framed walls shall be installed in substantial contact and continuous alignment with the air barrier. Knee walls shall be sealed.
Windows, skylights, and doors	The space between window/door jambs and framing, and skylights and framing shall be sealed.
Rim joists	Rim joists shall be insulated and include the air barrier.
Floors (including above-garage and cantilevered floors)	Insulation shall be installed to maintain permanent contact with underside of subfloor decking. The air barrier shall be installed at any exposed edge of insulation.
Crawl space walls	Where provided in lieu of floor insulation, insulation shall be permanently attached to the crawlspace walls. Exposed earth in unvented crawl spaces shall be covered with a class I vapor retarder with overlapping joints taped.
Shafts, penetrations	Duct shafts, utility penetrations, and flue shafts opening to exterior or unconditioned space shall be sealed.
Narrow cavities	Batts in narrow cavities shall be cut to fit, or narrow cavities shall be filled by insulation that on installation readily conforms to the available cavity space.
Garage separation	Air sealing shall be provided between the garage and conditioned spaces.
Recessed lighting	Recessed light fixtures installed in the building thermal envelope shall be air tight, IC rated, and sealed to the drywall.
Plumbing and wiring	Batt insulation shall be cut neatly to fit around wiring and plumbing in exterior



	walls, or insulation that on installation readily conforms to available space shall extend behind piping and wiring.
Shower/tub on exterior wall	Exterior walls adjacent to showers and tubs shall be insulated and the air barrier installed separating them from the showers and tubs.
Electrical/phone box on exterior walls	The air barrier shall be installed behind electrical or communication boxes or air-sealed boxes shall be installed.
HVAC register boots	HVAC register boots that penetrate the building thermal envelope shall be sealed to the subfloor or drywall.
Fireplace	An air barrier shall be installed on fireplace walls.

a. In addition, inspection of log walls shall be in accordance with the provisions of ICC 400.

R 408.30547e Simulated performance alternative. **Rescinded.**

–Rule 547e. Table N1105.5.2(1) [R405.5.2(1)] of the code is amended to read as follows:

TABLE N1105.5.2(1) [R405.5.2(1)]  
SPECIFICATIONS FOR THE STANDARD REFERENCE AND PROPOSED DESIGNS

BUILDING COMPONENT	STANDARD REFERENCE DESIGN	PROPOSED DESIGN
Above-grade walls	Type: mass wall if proposed wall is mass; otherwise wood frame. Gross area: same as proposed U factor: from Table N1102.1.3 Solar absorptance = 0.75 Remittance = 0.90	As proposed As proposed As proposed As proposed As proposed
Basement and crawl space walls	Type: same as proposed Gross area: same as proposed U factor: from Table N1102.1.3, with insulation layer on interior side of walls.	As proposed As proposed As proposed
Above-grade floors	Type: wood frame Gross area: same as proposed U factor: from Table N1102.1.4	As proposed As proposed As proposed
Ceilings	Type: wood frame Gross area: same as proposed U factor: from Table N1102.1.4	As proposed As proposed As proposed
Roofs	Type: composition shingle on wood sheathing Gross area: same as proposed Solar absorptance = 0.75	As proposed As proposed As proposed

	Emittance = 0.90	As proposed
Attics	Type: <del>vented with aperture = 1 ft<sup>2</sup> per 300 ft<sup>2</sup> ceiling area</del>	As proposed
Foundations	Type: <del>same as proposed foundation wall area above and below grade and soil.</del> Characteristics: <del>same as proposed</del>	As proposed
Doors	Area: <del>40 ft<sup>2</sup></del> Orientation: <del>North</del> U factor: <del>same as fenestration from Table N1102.1.3.</del>	As proposed As proposed As proposed
Glazing	Total <sup>b</sup> = – (a) The proposed glazing area: where proposed glazing area is less than – 15% of the conditioned floor area. – (b) 15% of the conditioned floor area; where the proposed glazing area is 15% or more of the conditioned floor area.  Orientation: <del>equally distributed to four cardinal compass orientations (N, E, S &amp; W).</del>  U factor: <del>from Table N1102.1.4</del>  SHGC: <del>From Table N1102.1.2 except that for climates with no requirement (NR) SHGC = 0.40 shall be used.</del> Interior shade fraction: <del>0.92 (0.21 x SHGC for the standard reference design)</del> External shading: <del>none</del>	As proposed   As proposed  As proposed As proposed 0.92 (0.21 x SHGC as proposed) As proposed
Skylights	None	As proposed
Thermally isolated sunrooms	None	As proposed
Air exchange rate	Air leakage rate of 4 air changes per hour at a pressure of 0.2 inches w.g. (50 Pa). The mechanical ventilation rate shall be in addition to the air leakage rate and the same as in the proposed design, but no greater than $0.01 \times \text{CFA} + 7.5 \times (\text{N}_{\text{br}} + 1)$ where: CFA = conditioned floor area N <sub>br</sub> = number of bedrooms Energy recovery shall not be assumed for mechanical ventilation.	The measured air exchange rate <sup>e</sup> . The mechanical ventilation rate <sup>d</sup> shall be in addition to the air leakage rate and shall be as proposed.
Internal gains	IGain = $17,900 + 23.8 \times \text{CFA} + 4104 \times \text{N}_{\text{br}}$ (Btu/day per dwelling unit)	Same as standard reference design.
Internal mass	An internal mass for furniture and contents of 8 pounds per square foot of floor area.	Same as standard reference design, plus any additional mass specifically designed as a thermal

		storage element <sup>e</sup> but not integral to the building envelope or structure.
Structural mass	For masonry floor slabs, 80% of floor area covered by R-2 carpet and pad, and 20% of floor directly exposed to room air. For Masonry basement walls, as proposed, but with insulation required by Table R402.1.4 located on the interior side of the walls. For other walls, for ceilings, floors, and interior walls, wood frame construction.	As proposed As proposed As proposed
Heating systems <sup>f,g</sup>	As proposed for other than electric heating without a heat pump. Where the proposed design utilizes electric heating without a heat pump the standard reference design shall be an air source heat pump meeting the requirements of the Michigan energy code commercial provisions. Capacity: sized in accordance with Section N1103.7.	As proposed
Cooling systems <sup>f,h</sup>	As proposed Capacity: sized in accordance with Section N1103.7.	As proposed
Service water heating <sup>f,g,h,i</sup>	As proposed Use: same as proposed design	As proposed
Thermal distribution systems	Untested distribution systems: DSE = 0.88  Tested ducts: Leakage rate to outside conditioned space as specified Section N1103.3.2  Tested duct location: Unconditioned attic  Tested duct insulation: in accordance with Section N1103.3.1	Untested distribution systems: DSE from Table N1105.5.2(2)  Tested ducts: Tested leakage rate to outside conditioned space  Duct location: As proposed  Duct insulation: As proposed
Thermostat	Type: Manual, cooling temperature setpoint = 75°F; Heating temperature setpoint = 72°F	Same as standard reference

For SI: 1 square foot = 0.93 m<sup>2</sup>, 1 British thermal unit = 1055 J, 1 pound per square foot = 4.88 kg/m<sup>2</sup>, 1 gallon (U.S.) = 3.785 L, °C = (°F - 32)/1.8, 1 degree = 0.79 rad, 1 inch water gauge = 1250 Pa.

a. Glazing shall be defined as sunlight transmitting fenestration, including the area of sash, curbing, or other framing elements, that enclose conditioned space. Glazing includes the area of sunlight transmitting fenestration assemblies in walls bounding conditioned basements. For doors where the sunlight transmitting opening is less than 50% of the door area, the glazing area is the sunlight transmitting opening area. For all other doors, the glazing area is the rough frame opening area for the door including the door and the frame.

b. ~~For residences with conditioned basements, R-2 and R-4 residences and townhouses, the following formula shall be used to determine glazing area:~~

$$AF = A_s \times FA \times F$$

~~where:~~

~~AF = Total glazing area.~~

~~A<sub>s</sub> = Standard reference design total glazing area.~~

~~FA = (Above-grade thermal boundary gross wall area)/(above-grade boundary wall area + 0.5 x below-grade boundary wall area).~~

~~F = (Above-grade thermal boundary wall area)/(above-grade thermal boundary wall area + common wall area) or 0.56, whichever is greater. and where:~~

~~Thermal boundary wall is any wall that separates conditioned space from unconditioned space from unconditioned space or ambient conditions.~~

~~Above-grade thermal boundary wall is any thermal boundary wall component not in contact with soil.~~

~~Below-grade boundary wall is any thermal boundary wall in soil contact.~~

~~Common-wall area is the area of walls shared with an adjoining dwelling unit.~~

~~L and CFA are in the same units.~~

e. ~~Where required by the code official, testing shall be conducted by a certified independent third party. Hourly calculations as specified in the ASHRAE handbook of fundamentals, or the equivalent shall be used to determine the energy loads resulting from infiltration.~~

d. ~~The combined air exchange rate for infiltration and mechanical ventilation shall be determined in accordance with equation 43 of 2001 ASHRAE handbook of fundamentals, page 26.24 and the “whole-house ventilation” provisions of 2001 ASHRAE handbook of fundamentals, page 26.19 for intermittent mechanical ventilation.~~

e. ~~Thermal storage element shall mean a component not part of the floors, walls, or ceilings that is part of a passive solar system, and that provides thermal storage such as enclosed water columns, rock beds, or phase change containers. A thermal storage element must be in the same room as fenestration that faces within 15-degrees (0.26 rad) of true south, or must be connected to such a room with pipes or ducts that allow the element to be actively charged.~~

f. ~~For a proposed design with multiple heating, cooling, or water heating systems using different fuel types, the applicable standard reference design system capacities and fuel types shall be weighted in accordance with their respective loads as calculated by accepted engineering practice for each equipment and fuel type present.~~

g. ~~For a proposed design without a proposed heating system, a heating system with the prevailing federal minimum efficiency shall be assumed for both the standard reference and proposed design.~~

h. ~~For a proposed design home without a proposed cooling system, an electric air conditioner with the prevailing federal minimum efficiency shall be assumed for both the standard reference design and the proposed design.~~

i. ~~For a proposed design with a non-storage type water heater, a 40-gallon storage type water heater with the prevailing federal minimum energy factor for the same fuel as the predominant heating fuel type shall be assumed. For the case of a proposed design without a proposed water heater, a 40-gallon storage type water heater with the prevailing federal minimum efficiency for the same fuel as the predominant heating fuel type shall be assumed for both the proposed design and standard reference design.~~

**R 408.30547f Systems. Rescinded.**

~~Rule 547e. Sections N1103.2.1, N1103.2.2, and N1103.4.2 of the code are amended to read as follows:~~

~~N1103.2.1. Insulation (prescriptive). All portions of the air distribution system shall be installed in accordance with Section M1601 and be insulated to an installed R-6 when system components are located within the building but outside the conditioned space, and R-8 when located outside to the building thermal envelope. When located within a building envelope assembly, at least R-8 shall be applied between the duct and that portion of the assembly farthest from conditioned space.~~

~~Exception: Portions of the air distribution system within appliances or equipment.~~

~~N1103.2.2. Sealing (mandatory). Ducts, air handlers, and filter boxes shall be sealed. Joints and seams shall comply with either the international mechanical code or international residential code, as applicable.~~

~~Exceptions:~~

~~1. Air impermeable spray foam products may be applied without additional joint seals.~~

~~2. Where a duct connection is made that is partially inaccessible, 3 screws or rivets shall be equally spaced on the exposed portion of the joint so as to prevent a hinge effect.~~

~~3. Continuously welded and locking type longitudinal joints and seams in ducts operating at static pressures less than 2 inches (51 mm) of water column (500 Pa) pressure classification shall not require additional closure systems.~~

~~Duct tightness shall be verified by either of the following:~~

~~1. Postconstruction test: Total leakage to the outside of a conditioned space or total leakage shall be less than or equal to 4 cfm (113.3 L/min) per 100 square feet (9.29 m<sup>2</sup>) of conditioned floor area when tested at a pressure differential of 0.1 inches (2.54 mm) w. g. (25 Pa) across the entire system, including the manufacturer's air handler enclosure. All register boots shall be taped or otherwise sealed during the test.~~

~~2. Rough-in test: Total leakage shall be less than or equal to 4 cfm (113.3 L/min) per 100 square feet (9.29 m<sup>2</sup>) of conditioned floor area when tested at a pressure differential of 0.1 inches (2.54 mm) w.g. (25 Pa) across the system, including the manufacturer's air handler enclosure. All registers shall be taped or otherwise sealed during the test. If the air handler is not installed at the time of the test, total leakage shall be less than or equal to 3 cfm (85 L/min) per 100 square feet (9.29 m<sup>2</sup>) of conditioned floor area.~~

~~Exception: The total leakage test is not required for ducts and air handlers located entirely within the building thermal envelope.~~

~~N1103.4.2. Hot water pipe insulation (prescriptive). Insulation for hot water pipe with a minimum thermal resistance (R-value) of R-3 shall be applied to the following:~~

~~1. Piping larger than 3/4 inch nominal diameter.~~

~~2. Piping serving more than 1 dwelling unit.~~

~~3. Piping located outside the conditioned space.~~

~~4. Piping from the water heater to a distribution manifold.~~

~~5. Piping located under a floor slab.~~

~~6. Buried piping.~~

~~7. Supply and return piping in recirculation systems other than demand recirculation systems.~~

**R 408.30547g Energy rating index compliance alternative. Rescinded.**

~~Rule 547f. Sections N1106.1, N1106.2, N1106.3, N1106.3.1, N1106.4, N1106.5, N1106.6, N1106.6.1, N1106.6.2, N1106.6.3, N1106.7, N1106.7.1, N1106.7.2, N1106.7.3, and table N1106.4 of the code are added to read as follows:~~

~~N1106.1 (R406.1). Scope. This section establishes criteria for compliance using an energy rating index (ERI) analysis.~~

~~N1106.2 (R406.2). Mandatory requirements. Compliance with this section requires that the mandatory provisions identified in sections N1101.2 and N1103.4.2 be met. The building thermal envelope shall be greater~~

~~than or equal to levels of efficiency and solar heat gain coefficient in table 402.1.2 or 402.1.4 of the 2009 international energy conservation code.~~

~~–Exception: Supply and return ducts not completely inside the building thermal envelope shall be insulated to a minimum of R-6.~~

~~–N1106.3 (R406.3). Energy rating index. The energy rating index (ERI) shall be a numerical integer value that is based on a linear scale constructed such that the ERI reference design has an index value of 100 and a residential building that uses no net purchased energy has an index value of 0. Each integer value on the scale shall represent a 1% change in the total energy use of the rated design relative to the total energy use of the ERI reference design. The ERI shall consider all energy used in the residential building.~~

~~–N1106.3.1 (R406.3.1). ERI reference design. The ERI reference design shall be configured such that it meets the minimum requirements of the 2006 international energy conservation code prescriptive requirements.~~

~~–The proposed residential building shall be shown to have an annual total normalized modified load less than or equal to the annual total loads of the ERI reference design.~~

~~–N1106.4 (R406.4). ERI-based compliance. Compliance based on an ERI analysis requires that the rated design be shown to have an ERI less than or equal to the appropriate value listed in table N1106.4 when compared to the ERI reference design.~~

~~–N1106.5 (R406.5). Verification by approved agency. Verification of compliance with section N1106 shall be completed by an approved third party.~~

~~–N1106.6 (R406.6). Documentation. Documentation of the software used to determine the ERI and the parameters for the residential building shall be in accordance with sections N1106.6.1 through N1106.6.3.~~

~~–N1106.6.1 (R406.6.1). Compliance software tools. Documentation verifying that the methods and accuracy of the compliance software tools conform to the provisions of this section shall be provided to the code official.~~

~~–N1106.6.2 (R406.6.2). Compliance report. Compliance software tools shall generate a report that documents that the ERI of the rated design complies with sections N1106.3 and N1106.4. The compliance documentation shall include all of the following information:~~

~~–1. Address or other identification of the residential building.~~

~~–2. An inspection checklist documenting the building component characteristics of the rated design. The inspection checklist shall show results for both the ERI reference design and the rated design, and shall document all inputs entered by the user necessary to reproduce the results.~~

~~–3. Name of individual completing the compliance report.~~

~~–4. Name and version of the compliance software tool.~~

~~–Exception: Multiple orientations. Where an otherwise identical building model is offered in multiple orientations, compliance for any orientation shall be permitted by documenting that the building meets the performance requirements in each of the 4 (north, east, south and west) cardinal orientations.~~

~~–N1106.6.3 (R406.6.3). Additional documentation. The code official may require the following documents:~~

~~–1. Documentation of the building component characteristics of the ERI reference design.~~

~~–2. A certification signed by the builder providing the building component characteristics of the rated design.~~

~~–3. Documentation of the actual values used in the software calculations for the rated design.~~

~~–N1106.7 (R406.7). Calculation software tools. Calculation software, where used, shall be in accordance with sections N1106.7.1 through N1106.7.3.~~

~~–N1106.7.1 (R406.7.1). Minimum capabilities. Calculation procedures used to comply with this section shall be software tools capable of calculating the ERI as described in section N1106.3, and shall include the following capabilities:~~

~~–1. Computer generation of the ERI reference design using only the input for the rated design.~~

~~–The calculation procedure shall not allow the user to directly modify the building component characteristics of the ERI reference design.~~

~~–2. Calculation of whole building, as single zone, sizing for the heating and cooling equipment in the ERI reference design residence in accordance with section N1103.7.~~

- ~~3. Calculations that account for the effects of indoor and outdoor temperatures and part load ratios on the performance of heating, ventilating, and air conditioning equipment based on climate and equipment sizing.~~
- ~~4. Printed code official inspection checklist listing each of the rated design component characteristics determined by the analysis to provide compliance, along with their respective performance ratings.~~
- ~~N1106.7.2 (R406.7.2). Specific approval. Performance analysis tools meeting the applicable sections of section N1106 shall be approved. Tools are permitted to be approved based on meeting a specified threshold for a jurisdiction. The code official shall approve tools for a specified application or limited scope.~~
- ~~N1106.7 (R406.7.3). Input values. When calculations require input values not specified by sections N1102, N1103, N1104, and N1105, those input values shall be taken from an approved source.~~

Table N1106.4 (R406.4)  
Maximum Energy Rating Index

Climate Zone	Energy Rating Index
1	52
2	52
3	51
4	54
5	55
6	54
7	53
8	53

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**NOTICE OF PUBLIC HEARING**

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Department of Licensing and Regulatory Affairs  
Bureau of Construction Codes  
Administrative Rules for Construction Codes- Part 5. Residential Code  
Rule Set 2022-16 LR

NOTICE OF PUBLIC HEARING  
Thursday, March 21, 2024  
09:00 AM

Michigan Library & Historical Center. First Floor Forum  
Michigan Historical Center, 702 W Kalamazoo St, Lansing, MI 48915

The Department of Licensing and Regulatory Affairs will hold a public hearing to receive public comments on proposed changes to the Construction Codes- Part 5. Residential Code rule set.

The proposed rules provide the latest standards to protect the health and promote the safety and welfare of the State of Michigan residents by regulating residential installation and inspection within the state.

By authority conferred on the director of the department of licensing and regulatory affairs by section 4 of the Stille-DeRossett-Hale single state construction code act, 1972 PA 230, MCL 125.1504, and Executive Reorganization Order Nos. 2003-1, 2008-4, and 2011-4, MCL445.2011, 445.2025, and 445.2030

The proposed rules will take effect 120 days after filing with the Secretary of State. The proposed rules are published on the State of Michigan's website at [www.michigan.gov/ARD](http://www.michigan.gov/ARD) and in the 3/15/2024 issue of the Michigan Register. Copies of these proposed rules may also be obtained by mail or electronic mail at the following email address: [Lara-bcc-rules@michigan.gov](mailto:Lara-bcc-rules@michigan.gov).

Comments on these proposed rules may be made at the hearing, by mail, or by electronic mail at the following addresses until 3/21/2024 at 05:00PM.

Attn: Tony Williamson, Bureau of Construction Codes  
P.O. Box 30254, Lansing, MI 48909

[Lara-bcc-rules@michigan.gov](mailto:Lara-bcc-rules@michigan.gov)

The public hearing will be conducted in compliance with the 1990 Americans with Disabilities Act. If the hearing is held at a physical location, the building will be accessible with handicap parking available. Anyone needing assistance to take part in the hearing due to disability may call 517-243-9100 to make arrangements.



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**PROPOSED ADMINISTRATIVE RULES**

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DEPARTMENT OF LICENSING AND REGULATORY AFFAIRS

DIRECTOR'S OFFICE

CONSTRUCTION CODE

Filed with the secretary of state on

These rules take effect 120 days after filing with the secretary of state.

(By authority conferred on the director of the department of licensing and regulatory affairs by section 4 of **the Stille-DeRossett-Hale single state construction code act**, 1972 PA 230, MCL 125.1504, and Executive Reorganization Order Nos. 2003-1, 2008-4, and 2011-4, MCL 445.2011, 445.2025, and 445.2030)

R 408.30401, R 408.30402, R 408.30409, R 408.30412, R 408.30414, R 408.30415a, R 408.30418, R 408.30419, R 408.30427, R 408.30448d, R 408.30458, R 408.30459, and R 408.30499 of the Michigan Administrative Code are amended, R 408.30406 and R 408.30406a are added, and R 408.30401a, R 408.30403, R 408.30404, R 408.30408, R 408.30410, R 408.30411, R 408.30428, R 408.30430, R 408.30441, R 408.30442, and R 408.30443 are rescinded, as follows:

PART 4. BUILDING CODE

R 408.30401 Applicable code.

Rule 401. The provisions of the international building code, ~~2015~~ **2021** edition, including appendices F, G, and H, except for sections **104.2, 104.3, 104.8, 104.8.1, 104.10, 105.3, 105.3.1, 105.3.2, 105.6, 109.2 to 109.6, 111.1, 111.2, 111.3, 113.2, 113.3, 113.4, 114.1, 114.2, 114.3, 114.4, 115.1 to 115.4, 903.2.8.4, 2902 to 2902.6, Table 2902.1, section 3005.5**, the definition of "agricultural building" in section 202, the definition of "recreational vehicle" in Appendix G, and ~~IECC-2015 2021, IEBC-2015 2021, IMC-2015 2021, IPC-2015 2021, IPSDC-2015 2021, and NFPA 70-2014 2023~~, listed in chapter 35, govern the construction, alteration, relocation, demolition, use, and occupancy of buildings and structures, and, with exceptions noted, the international building code is adopted by reference in these rules. All references to the International Building Code, International Residential Code, International Energy Conservation Code, National Electrical Code, International Existing Building Code, International Mechanical Code, and International Plumbing Code mean the Michigan Building Code, Michigan Residential Code, Michigan Energy Code, Michigan Electrical Code, Michigan Rehabilitation Code for Existing Buildings, Michigan Mechanical Code, and Michigan Plumbing Code, respectively. The code is available for inspection; and purchase at the Michigan Department of Licensing and Regulatory Affairs, Bureau of Construction Codes, 611 ~~West W~~ **Ottawa Street St.**, ~~4<sup>th</sup> First~~ **First** Floor Ottawa Building Lansing, ~~MI Michigan~~ **48933**. The code may be purchased from the International Code Council, through the bureau's website at [www.michigan.gov/bcc](http://www.michigan.gov/bcc), at a cost as of the time of adoption of these amendatory rules of ~~\$128.00~~ **\$144.00**.

R 408.30401a ~~Adult foster care facilities and childcare organizations.~~ **Rescinded.**

~~Rule 401a. (1) Promulgation authority for fire safety standards for facilities and camps licensed or registered under the adult foster care facility licensing act, 1979 PA 218, MCL 400.701 to 400.737, and commonly known as the child care organizations act 1973 PA 116, MCL 722.111 to 722.128, is vested in the department of health and human services and the bureau of fire services.~~

~~(2) Until amended or rescinded by the promulgating authority, the 2003 Michigan building code provisions relative to fire safety standards for facilities licensed under the adult foster care facility licensing act, 1979 PA 218, being MCL 400.701 et seq., and the child care organizations act, 1973 PA 116, being MCL 722.101 et seq., remain in effect.~~

#### R 408.30402 Title General.

Rule 402. ~~Section~~ **Sections 101.1 and 101.3** of the code ~~is~~ **are** amended to read as follows:

101.1. Title. These rules shall be known as the Michigan building code, ~~hereinafter~~ **and** referred to as "the code."

**101.3. Intent.** The purpose of the code and the act is to establish the minimum requirements to provide a reasonable level of safety, public health, and general welfare through structural strength, means of egress facilities, stability, sanitation, adequate light and ventilation, energy conservation, and safety to life and property from fire and other hazards attributed to the built environment and to provide a reasonable level of safety to firefighters and emergency responders during emergency operations. The act takes precedence over all provisions of the code.

#### R 408.30403 Residential group R-3. ~~Rescinded.~~

~~Rule 403. Sections 310.5, 310.5.1, are amended:~~

~~310.5. Residential group R-3. Residential occupancies where the occupants are primarily permanent in nature and not classified as group R-1, R-2, R-4, or I, including any of the following:~~

~~(a) Adult foster care family homes or adult foster care small group homes licensed per the adult foster care facility licensing act, 1979 PA 218, MCL 400.701 to 400.737, that provide accommodations for 6 or fewer persons receiving care.~~

~~(b) Buildings that do not contain more than 2 dwelling units.~~

~~(c) Boarding houses (nontransient) with 16 or fewer occupants.~~

~~(d) Boarding houses (transient) with 10 or fewer occupants.~~

~~(e) Congregate living facilities (nontransient) with 16 or fewer occupants.~~

~~(f) Congregate living facilities (transient) with 10 or fewer occupants.~~

~~(g) Foster family homes licensed under 1973 PA 116, MCL 722.111 to 722.128, that provide care for not more than 4 minor children.~~

~~(h) Foster family group home licensed under 1973 PA 116, MCL 722.111 to 722.128, that provide care for more than 4 but fewer than 7 minor children.~~

~~310.5.1. Care facilities within a dwelling. Care facilities that are located within a single family dwelling may comply with the Michigan residential code if 1 of the following conditions is met:~~

~~(a) Adult foster care family homes or adult foster care small group homes for 6 or fewer persons receiving care that are within a single family dwelling and licensed in accordance with the adult foster care facility licensing act, 1979 PA 218, MCL 400.701 to 400.737.~~

~~(b) Family childcare homes licensed under 1973 PA 116, MCL 722.111 to 722.128, that provide care for fewer than 7 minor children.~~

~~(c) Group childcare homes licensed under 1973 PA 116, MCL 722.111 to 722.128, that provide care for more than 6 but not more than 12 minor children.~~

- ~~–(d) Foster family homes licensed per 1973 PA 116, MCL 722.111 to 722.128, that provide care for not more than 4 minor children.~~
- ~~–(e) Foster family group home licensed per 1973 PA 116, MCL 722.111 to 722.128, that provide care for more than 4 but fewer than 7 minor children.~~
- ~~903.2.8.3. Childcare organizations. An automatic sprinkler system installed in accordance with section 903.3.1.3 shall be permitted in childcare organizations that are within a single family dwelling and licensed in accordance with 1973 PA 116, MCL 722.111 to 722.128, as follows:~~
- ~~–(a) Foster family homes licensed under 1973 PA 116, MCL 722.111 to 722.128, that provide care for more than 4 but fewer than 7 minor children.~~
- ~~–(b) Foster family group home licensed under 1973 PA 116, MCL 722.111 to 722.128, that provide care for more than 4 but fewer than 7 minor children.~~
- ~~–(c) Family childcare homes licensed under 1973 PA 116, MCL 722.111 to 722.128, that provide care for fewer than 7 minor children.~~
- ~~–(d) Group childcare homes licensed under 1973 PA 116, MCL 722.111 to 722.128, that provide care for more than 6 but not more than 12 minor children.~~
- ~~–903.3.8.1. Number of sprinklers. Limited area sprinkler systems shall not exceed 20 sprinklers.~~
- ~~–903.3.8.5. Calculations. Hydraulic calculations in accordance with NFPA 13 shall be provided to demonstrate that the available water flow and pressure are adequate to supply all sprinklers installed with discharge densities corresponding to the hazard classification.~~

**R 408.30404 Duties and powers of building official Rescinded.**

Rule 404. ~~Section 104.9 of the code is amended to read as follows:~~

~~104.9. Approved materials and equipment. Materials, equipment, and devices shall be constructed or installed in accordance with approvals granted under the act or by the building official. The building official shall review reports prepared by recognized evaluation services and determine if the intent of the code is met.~~

**R 408.30406 Building Official Right of Entry.**

Rule 406. Section 104.6 of the code is added to read as follows:

**104.6. Right of entry.** If a structure or premises is unoccupied, the building official shall first make a reasonable effort to locate the owner or other person having charge or control of the structure or premises and request entry. If a building or premises are occupied, the building official shall present credentials to the occupant and request entry. If entry is refused, the building official shall have recourse to the remedies provided by law to secure entry. When a building official has first obtained a proper inspection warrant or other remedy provided by law to secure entry, the owner, owner's authorized agent or occupant, or person having charge, care, or control of the building or premises shall not fail or neglect, after a proper request is made as provided in this rule, to allow the building official prompt entry into the building or premises to inspect or examine the building or premises under this code.

**R 408.30406a Required.**

Rule 406a. Section 105.1 of the code is amended to read as follows:

**105.1. Required.** Owners or their authorized agents shall obtain the required permit from the building official before undertaking any construction, enlargement, alteration, repair, relocation, demolition, change of occupancy, erection, installation, enlargement, alteration, repair, removal,

**conversion, or replacement of electrical, gas, mechanical, plumbing, or solar panel systems regulated by the code.**

R 408.30408 Fees **Rescinded.**

Rule 408. ~~Section 109.1 of the code is amended to read as follows:~~

~~109.1. Payment of fees. The fees prescribed by the act shall be paid to the enforcing agency of the jurisdiction before a permit to begin work for new construction, alteration, removal, demolition, or other building operation may be issued. In addition, an amendment to a permit necessitating an additional fee shall not be approved until the additional fee has been paid.~~

R 408.30409 Permit.

Rule 409. ~~Sections 105.1.1, and 105.1.2~~ Section 105.2 of the code ~~are~~ is amended to read as follows:

~~105.1.1. Annual permit. In place of an individual permit for each alteration to an already approved electrical, gas, mechanical, or plumbing installation, the enforcing agency is authorized to issue an annual permit upon application to any person, firm, or corporation. The applicant shall be licensed in accordance with the requirements of 1956 PA 217, MCL 338.881 to 338.892, 1984 PA 192, MCL 338.971 to 33~~

~~8.988, or 2002 PA 733, MCL 338.3511 to 338.3569.~~

~~105.1.2. Annual permit records. The person to whom an annual permit is issued shall keep a detailed record of alterations made under an annual permit. Access to the records shall be always provided and the records shall be filed with the enforcing agency.~~

105.2. Work exempts from permit. Exemptions from permit requirements of the code shall not be deemed to grant authorization for ~~any~~ work to be done in any manner in violation of the provisions of the code or ~~any~~ other laws or ordinances of this jurisdiction. Permits shall not be required for ~~any~~ of the following:

(a) Building permits shall not be required for ~~any~~ of the following:

(i) One-story detached accessory structures used as tool and storage sheds, playhouses and similar uses, ~~provided if~~ the floor area does not exceed 120 square feet, (**11 square meters m<sup>2</sup>**).

(ii) A fence that is not more than 7 feet, (~~2-meters-134-millimeters mm~~), high.

(iii) Oil derricks.

(iv) A retaining wall that is not more than 4 feet, (~~1,219 millimeters, mm~~) in height measured from the bottom of the footing to the top of the wall, unless supporting a surcharge or impounding class I, II, or III-A liquids.

(v) A water tank supported directly on grade if the capacity is not greater than 5,000 gallons, **18,925 liters**, (~~18-925-L~~) and the ratio of height to diameter or width is not greater than 2 to 1.

(vi) A sidewalk and driveway not more than 30 inches, **762 millimeters**, (~~762-mm~~) above adjacent grade and not over any basement or story below and are not part of an accessible route.

(vii) Painting, papering, tiling, carpeting, cabinets, **countertops** ~~counter tops~~, and similar finish work.

(viii) Temporary motion picture, television, and theater stage sets and scenery.

(ix) Prefabricated swimming pools accessory to a group R-3 occupancy, as applicable in section 101.2, that are less than 24 inches, **610 millimeters**, (~~610-mm~~) deep, are not greater than 5,000 gallons, **18,925 liters**, (~~18-925-L~~), and are installed entirely above ground.

(x) Shade cloth structures constructed for nursery or agricultural purposes, not including service systems.

(xi) Swings and other playground equipment accessory to detached 1- and 2-family dwellings.

(xii) Window awnings in group R-3 and U occupancies, supported by an exterior wall that do not project more than 54 inches, **1,372 millimeters**, (~~1-372 mm~~) from the exterior wall and do not require additional support, as applicable in section 101.2 and group U occupancies.

(xiii) Nonfixed and movable fixtures, cases, racks, counters, and partitions not over 5 feet 9 inches, **1,753 millimeters**, (~~1-753 mm~~) in height.

(b) Electrical permits shall not be required, as in accordance with ~~the Michigan electrical code, R 408.30801 to R 408.30880~~, for ~~any of~~ the following:

(i) Repairs and maintenance: Minor repair work, including the replacement of lamps or the connection of approved portable electrical equipment to approved permanently installed receptacles.

(ii) Radio and television transmitting stations: The provisions of the code do not apply to electrical equipment used for radio and television transmissions, but **they** do apply to equipment and wiring for power supply and to the installation of towers and antennas.

(iii) Temporary testing systems: A permit is not required for the installation of any temporary system required for the testing or servicing of electrical equipment or apparatus.

(c) Mechanical permits shall not be required for any of the following:

(i) A portable gas heating appliance that has inputs of less than 30,000 Btu's per hour.

(ii) Portable ventilation appliances and equipment.

(iii) Portable cooling unit.

(iv) Steam, hot water, or chilled water piping within ~~any~~ heating or cooling equipment or appliances regulated by ~~this the~~ code.

(v) Replacement of ~~an any~~ minor part that does not alter the approval of equipment or an appliance or make **such** equipment or appliance unsafe.

(vi) A portable evaporative cooler.

(vii) Self-contained refrigeration systems that contain 10 pounds, **4.5 kilograms**, (~~4.5 kg~~) or less of refrigerant, or that are actuated by motors of 1 horsepower, **0.75 kilowatts**, (~~0.75 kW~~) or less.

(viii) Portable fuel cell appliances that are not connected to a fixed piping system and are not interconnected to a power grid.

(ix) An oil burner that does not require connection to a flue, such as an oil stove and a heater equipped with a wick.

(x) A portable gas burner that has inputs of less than 30,000 Btu's per hour.

(xi) When changing or relocating a gas meter or regulator, a permit is not required when installing gas piping ~~which shall be~~ limited to 10 feet, **3,005 millimeters**, (~~3-005 mm~~) in length and not more ~~than~~ **than** 6 fittings.

(xii) When installing geothermal vertical closed loops under the supervision of a mechanical contractor licensed in HVAC, as long as the company meets both the following:

(A) Has obtained a certificate of registration as a well drilling contractor ~~pursuant to~~ **under** part 127 of the public health code, **1978 PA 368, MCL 333.12701 to 333.12771**.

(B) Has installed the geothermal vertical closed loops in accordance with the department of ~~environmental quality~~ **environment, Great Lakes, and energy's** best practices regarding geothermal heat pump closed loops. Exemption from the permit requirements of ~~this~~ grant authorization for work to be done in violation of the provisions of ~~this the~~ code or other laws or ordinances of this jurisdiction.

(d) Plumbing permits shall not be required for either of the following:

(i) The stopping of leaks in drains, water, soil, waste, or vent pipe. However, if any concealed trap, drainpipe, water, soil, waste, or vent pipe becomes defective and it becomes necessary to remove and replace the drain or pipe with new material, then the work is considered new work and a permit shall be obtained and inspection made as provided in the code.

(ii) The clearing of stoppages or the repairing of leaks in pipes, valves, or fixtures, and the removal and reinstallation of water closets, if the repairs do not involve or require the replacement or rearrangement of valves, pipes, or fixtures.

**R 408.30410 Violations Rescinded.**

Rule 410. ~~Section 114.4 of the code is amended to read as follows:~~

~~114.4. Violation penalties. It is unlawful for any person, firm, or corporation to violate a provision of the code or fail to conform with any of the requirements thereof, or erect, construct, alter, extend, repair, move, remove, demolish, or occupy any building, structure, or equipment regulated by the code, or cause work to be performed or done, in conflict with or in violation of the approved construction documents or directive of the enforcing agency, or a permit or certificate issued under the code. A violator shall be assessed a fine in accordance with the act.~~

**R 408.30411 Stop work order Rescinded.**

Rule 411. ~~Section 115.2 of the code is amended to read as follows:~~

~~115.2. Issuance. Notice shall be in accordance with the act. A person who is served with a stop work order, except for work that the person is directed to perform to remove a violation or unsafe condition is subject to the penalty provisions prescribed in the act.~~

**R 408.30412 Certificate of use and occupancy.**

Rule 412. ~~Sections 111.1 and 111.2~~ **and 111.2.1** of the code are amended to read as follows:

~~111.1. Use and occupancy. A building or structure shall not be used or occupied, and a change in the existing occupancy classification of a building or structure or portion thereof shall not be made until a certificate of occupancy has been issued in accordance with the act.~~

~~Exception: Certificates of occupancy are not required for work exempt from permits under section 105.2.~~

~~111.2. Certificate issued. Compliance. After the building official inspects the building or structure and finds no violations of the provisions of this code or other laws that are enforced by the department and all permit and plan review fees are paid, the building official shall issue a certificate of occupancy that contains all the following:~~

~~-(a) The building permit number.~~

~~-(b) The address of the structure.~~

~~-(c) A description of that portion of the structure for which the certificate is issued.~~

~~-(d) A statement that the described portion of the structure has been inspected for compliance with the requirements of this code for the occupancy and division of occupancy and the use for which the proposed occupancy is classified.~~

~~-(e) The name and signature of the building official or designee, registered in accordance with the building officials and inspectors' registration act, 1986 PA 54, MCL 338.2301 to 338.2313.~~

~~-(f) The edition of the code under which the permit was issued.~~

~~-(g) The use and occupancy, in accordance with the provisions of chapter 3.~~

~~-(h) The type of construction as defined in chapter 6.~~

~~-(i) The design occupant load.~~

~~-(j) If an automatic sprinkler system is provided, whether the sprinkler system is required.~~

~~-(k) Any special stipulations and conditions of the building permit.~~

**A change of occupancy shall not be made in any building unless that building complies with the requirements of the International Building Code for the use or occupancy. Changes of occupancy in a building or portion thereof shall be such that the existing building is not less compliant with the provisions of the code than the existing building or structure was before the change. Subject to the approval of the code official, changes of occupancy shall be permitted without complying with all the requirements of the code for the new occupancy, provided that the new occupancy is less hazardous, based on life and fire risk, than the existing occupancy.**

**111.2.1 Change in the character of use.**

**0000- Compliance shall be only as necessary to meet the specific provisions and is not intended to require the entire building be brought into compliance.**

**R 408.30414 Board of appeals Barrier free appeals board. Barrier free design board**

Rule 414. ~~Sections~~ **Section** 113.1 and 113.3 of the code is amended to read as follows:

~~113.1. Means of appeal. An interested person may appeal a decision of the enforcing agency to the board of appeals in accordance with the act. An application for appeal shall be based on a claim that the true intent of the code or the rules governing construction have been incorrectly interpreted, the provisions of the code do not apply, or an equal or better form of construction is proposed. The decision of a local board of appeals may be appealed to the construction code commission in accordance with the act and time frames.~~

~~Exception:~~ Requests for barrier free design exception shall be in accordance with 1966 PA 1, MCL ~~125.1352~~ **125.1351** to 125.1356.

~~113.3. Qualifications. The board of appeals shall consist of members who are qualified in accordance with the act and are not employees of the governmental subdivision or the agency enforcing the code.~~

**R 408.30415a Definitions.**

Rule 415a. The definitions of ~~act; agricultural or agricultural purposes, and source point~~ **attic, uninhabitable with limited storage; cold weather months; and attic, uninhabitable without storage** are added, and the definitions of ~~building, building inspector, building official, high-rise building,~~ **occupiable space** and registered design professional ~~and structure~~ in section 202 of the code are amended to read as follows:

**202. Definitions.**

(a) “Act” means **the Stille-DeRossett-Hale single state construction code act**, 1972 PA 230, MCL 125.1501 to 125.1531 ~~and known as the Stille-DeRossett-Hale single state construction code act.~~

~~“Agricultural or agricultural purposes” means of, or pertaining to, or connected with, or engaged in agriculture or tillage which is characterized by the act or business of cultivating or using land and soil for the production of crops for the use of animals or humans, and includes, but is not limited to, purposes related to agriculture, farming, dairying, pasturage, horticulture, floriculture, viticulture, and animal and poultry husbandry.~~

(b) “Attic, uninhabitable with limited storage” means **an** uninhabitable **attic attics** with limited storage ~~are those~~ where the minimum clear height between joists and rafters is 42 inches or greater; 42 inches high by 24 inches in width, or greater, within the plane of the trusses; or where there are not ~~two~~ **2** or more adjacent trusses with web configurations capable of accommodating an assumed rectangle.

(c) “Attic, uninhabitable without storage” means **an** uninhabitable **attic attics** without storage ~~are those~~ where the maximum clear height between joists and rafters is less than 42 inches; or where there are not 2 or more adjacent trusses with web configurations capable of accommodating an assumed rectangle 42 inches high by 24 inches in width or greater, within the plane of the trusses.

~~"Building" means a combination of materials, whether portable or fixed, forming a structure affording a facility or shelter for use or occupancy by persons, animals, or property. The term does not include a building incidental to the use for agricultural purposes of the land on which the building is located if it is not used in the business of retail trade. The term shall be construed as though followed by the words "or part or parts of the building and all equipment in the building" unless the context clearly requires a different meaning.~~

~~"Building official" as found in 1972 PA 230, MCL 125.1501 to 125.1531 and known as the Stille-DeRossett-Hale single state construction code act, means an individual who is employed by a governmental subdivision and is charged with the administration and enforcement of the code and who is registered in compliance with the building officials and inspectors' registration act, 1986 PA 54, MCL 338.2301 to 338.2313. A building official may also be an employee of a private organization.~~

~~"High-rise building" means a building with an occupied floor located more than 55 feet (1 6764 mm) above the lowest level of fire department vehicle access.~~

**(d) "Cold weather months" means November 1 through April 1 in Michigan Uniform Energy Code climate zone 5A and from October 15 through May 1 in Michigan Uniform Energy Code climate zones 6A and 7.**

**(e) "Occupiable space" means a room or enclosed space designed for regular or non-regular human occupancy in which individuals congregate for activities, amusement, educational or similar purposes, or in which occupants are engaged at labor, and which is equipped with means of egress, heat, light, and ventilation facilities meeting the requirements of the code. Occupiable space does not include those spaces that are intended primarily for other purposes such as storage rooms and equipment rooms.**

**(f) "Registered design professional" means an individual who is licensed under the occupational code, 1980 PA 299, MCL 339.101 to 339.2919 339.2677.**

~~"Structure" means that which is built or constructed, an edifice or building of any kind, or a piece of work artificially built up or composed of parts joined together in some definite manner.~~

~~Structure does not include a structure incidental to the use for agricultural purposes of the land on which the structure is located and does not include works of heavy civil construction, including without limitation, any of the following:~~

- ~~—(a) A highway.~~
- ~~—(b) A bridge.~~
- ~~—(c) A dam.~~
- ~~—(d) A reservoir.~~
- ~~—(e) A lock.~~
- ~~—(f) A mine.~~
- ~~—(g) A harbor.~~
- ~~—(h) A dockside port facility.~~
- ~~—(i) An airport landing facility.~~
- ~~—(j) A facility for the generation, or transmission, or distribution of electricity.~~

~~Structure shall be construed as though followed by the words "or part or parts of the structure and all equipment in the structure," unless the context clearly indicates otherwise.~~

~~—"Source point" is defined in section 4 of 1972 PA 230, MCL 125.1504d.~~

**R 408.30418 Maximum floor area allowances per occupant. Occupiable space heating systems.**

**Rule 418. Table 1004.1.21004.5 1203.1 of the code is amended to read as follows:**

**1203.1. Equipment and systems. Interior spaces intended for human occupancy shall be provided with heating facilities capable of maintaining a minimum interior room temperature of 68 degrees**



Fahrenheit at a point 3 feet above the floor and 2 feet from exterior walls at the required design temperature. The installation of portable space heaters shall not be used to comply with this section.

**Exceptions:**

- (a) Interior spaces where the primary purpose is not associated with human contact.
- (b) Group F, H, S, or U occupancies.
- (c) Interior, seasonal spaces unoccupied during cold weather months, including restrooms, shower buildings, day-use restrooms, concession stands, press boxes, ticket booths, and locker rooms.

Table 1004.1.21004.5  
MAXIMUM FLOOR AREA ALLOWANCES PER OCCUPANT

FUNCTION OF SPACE	FLOOR AREA IN SQ. FT. PER
Agricultural building	300 gross
Aircraft hangars	500 gross
Airport terminal	
Baggage claim	20 gross
Baggage handling	300 gross
Concourse	100 gross
Waiting areas	15 gross
Assembly	
Gaming floors (keno, slots, etc.)	11 gross
Exhibit Gallery and Museum	30 nets
Assembly with fixed seats	See section 1004.4
Assembly without fixed seats	
Concentrated (chairs only not fixed) Standing space:	7 nets
Unconcentrated (tables and chairs)	5 nets
	15 nets
Bowling centers, allow 5 persons for each lane including 15 feet of runway, and for additional areas	7 nets
Business areas	100 gross
Courtrooms other than fixed seating areas	40 nets
Day care	35 nets
Dormitories	50 gross
Educational	
Classroom area	20 nets
Shops and other vocational room areas	50 nets
Locker rooms	15 gross
Exercise rooms	50 gross
H-5 Fabrication and manufacturing areas	200 gross
Industrial areas	100 gross

<del>Institutional areas</del>	
<del>Inpatient treatment areas</del>	<del>240 gross</del>
<del>Outpatient areas</del>	<del>100 gross</del>
<del>Sleeping areas</del>	<del>120 gross</del>
<del>Kitchens, commercial</del>	<del>200 gross</del>
<del>Library</del>	
<del>Reading rooms</del>	<del>50 nets</del>
<del>Stack area</del>	<del>100 gross</del>
<del>Mall buildings covered and open</del>	<del>See Section 402.8.2</del>
<del>Locker rooms</del>	<del>50 gross</del>
<del>Mercantile</del>	<del>60 gross</del>
<del>Storage, stock, shipping areas</del>	<del>300 gross</del>
<del>Parking garages</del>	<del>200 gross</del>
<del>Residential</del>	<del>200 gross</del>
<del>Skating rinks, swimming pools</del>	
<del>Rink and pool</del>	<del>50 gross</del>
<del>Decks</del>	<del>15 gross</del>
<del>Stages and platforms</del>	<del>15 nets</del>
<del>Accessory storage areas, mechanical equipment room</del>	<del>300 gross</del>
<del>Warehouses</del>	<del>500 gross</del>

~~For SI: 1 square foot = 0.0929 m<sup>2</sup>~~

R 408.30419 Toilet room requirements.

Rule 419. Sections 1210.1, is amended and **sections** 1210.4, 1210.5, and 1210.6 are added to the code to read as follows:

1210.1. Required fixtures. The number and type of plumbing fixtures provided in ~~any~~ **an** occupancy shall comply with the Michigan plumbing code.

1210.4. Toilet room location. Toilet rooms shall not open directly into a room used ~~for the preparation of to prepare~~ food for service to the public.

1210.5. Baby changing stations. A building or structure ~~that has~~ **with** baby changing stations in the women's restrooms shall have baby changing stations in the men's restrooms.

1210.6. ~~Directional signage.~~ **Directional signage indicating the route to the public facilities.** ~~shall be posted in accordance with section 3107 of the international building code.~~ **Signage shall be located in a corridor or aisle at the entrance to the facilities for customers and visitors indicating the route to the public facilities.**

R 408.30427 Barrier free design for buildings, structures, and improved areas.

Rule 427. Sections ~~1101.2~~ **1102.1** and ~~1109.8~~ of the code ~~are~~ **is** amended and section 1103.2.15 is added to the code to read as follows:

~~1101.2.~~ **1102.1.** Design. Buildings and facilities shall be designed and constructed to be accessible in accordance with 1966 PA 1, MCL 125.1351 to 125.1356, ~~this~~ **the** code, and ICC/ANSI A 117.1, except sections 611 and 707.

1103.2.15. Military, fire service, and police facilities. Housing, bathing, toilet, training, and storage areas intended for use and occupancy exclusively by military, fire service, police, or security personnel required to be physically agile are not required to be accessible.

~~1109.8. Lifts. Platform (wheelchair) lifts may be a part of a required accessible route in new construction were indicated in items 1 to 10. Platform (wheelchair) lifts shall be installed in accordance with the Michigan elevator code, R 408.7001 to R 408.8695.~~

~~1. An accessible route to a performing area and speakers' platforms.~~

~~2. An accessible route to wheelchair spaces required to comply with the wheelchair space dispersion requirements of sections 1108.2.2 to 1108.2.6.~~

~~3. An accessible route to spaces that are not open to the general public with an occupant load of not more than 5.~~

~~4. An accessible route within a dwelling or sleeping unit.~~

~~5. An accessible route to jury boxes and witness stands; raised courtroom stations including judges' benches, clerks' stations, bailiffs' stations, deputy clerks' stations and court reporters' stations; and to depressed areas such as the well of the court.~~

~~6. An accessible route to load and unload areas serving amusement rides.~~

~~7. An accessible route to play components or self-contained play structures.~~

~~8. An accessible route to team or player seating areas serving areas of sport activity.~~

~~9. An accessible route instead of gangways serving recreational boating facilities and fishing piers and platforms.~~

~~10. An accessible route where existing exterior site constraints make use of a ramp or elevator infeasible.~~

#### R 408.30428 Structural integrity. **Rescinded.**

~~Rule 428. Section 1615.1 of the code is amended to read as follows:~~

~~1615.1. General. Buildings with an occupied floor 75 feet (22 860 mm) or more in height above the lowest level of fire department vehicle access and assigned to risk categories III or IV shall comply with the requirements of this section. Frame structures shall comply with the requirements of section 1615.3. Bearing wall structures shall comply with the requirements of section 1615.4.~~

#### R 408.30430 Liquefied petroleum gas distribution facilities. **Rescinded.**

~~Rule 430. Sections 415.9.1 and 415.9.2 of the code are amended to read as follows: 415.9.1. Flammable and combustible liquids. The storage, handling, processing, and transporting of flammable and combustible liquids shall be in accordance with the Page 17 — Courtesy of [www.michigan.gov/orr](http://www.michigan.gov/orr) Michigan mechanical code, R 408.30901 to R 408.30998, and the international fire code listed in chapter 35, and the requirements of the Michigan rules for the storage and handling of flammable and combustible liquids, R 29.4101 to R 29.5516. 415.9.2. Liquefied petroleum gas distribution facilities. The design and construction of propane, butane, propylene, butylene, and other liquefied petroleum gas distribution facilities shall conform to the applicable provisions of the Michigan liquified petroleum gas code, R 29.3801 to R 29.4035. The storage and handling of liquefied petroleum gas systems shall conform to the international fire code listed in chapter 35. The design and installation of piping,~~

equipment, and systems that utilize liquefied petroleum gas shall be in accordance with the international fuel gas code listed in chapter 35. Liquefied petroleum gas distribution facilities shall be ventilated in accordance with the Michigan mechanical code, R 408.30901 to R 408.30998, and the requirements of the Michigan rules for the storage and handling of flammable and combustible liquids, R 29.4101 to R 29.5516. History: 1979 AC; 1981 AACs; 1985 AACs; 1988 AACs; 1992 AACs; 1995

**R 408.30441 Consumer fireworks facilities. Rescinded.**

~~—Rule 441. Sections 307.5.1, 415.1.1, 427.1429.1, 509.4.2.2, 907.2.5.1, 910.2.3, and 1031.1 of the code are added to read as follows:~~

~~—307.5.1. High hazard group H-3. Consumer fireworks 1.4G (class C common) Consumer fireworks 1.4G facilities shall meet the requirements of this code and those requirements referenced in section 427.1.~~

~~—415.1.1. Consumer fireworks facilities 1.4 G (class C common) consumer fireworks 1.4 G facilities shall be designed and constructed in accordance with NFPA 1124 as referenced by the Michigan fireworks safety act, 2011 PA 256, MCL 28.451 to 28.470.~~

~~—427.1429.1. Consumer fireworks (1.4G) facilities. The items in buildings used for the retail sale of consumer fireworks shall be designed and constructed in accordance with NFPA 1124, as referenced by the Michigan fireworks safety act, 2011 PA 256, MCL 28.451 to 28.470 as follows:~~

~~—(a) Means of egress.~~

~~—(b) Storage rooms.~~

~~—(c) Fire alarms.~~

~~—(d) Smoke control.~~

~~—(e) Automatic sprinkler systems.~~

~~—509.4.2.2. Consumer fireworks (1.4G) facilities storage rooms. Storage rooms in consumer fireworks (1.4G) facilities used for the retail sale of consumer fireworks shall be designed and constructed in accordance with the code for the manufacture, transportation, storage, and retail sales of fireworks and pyrotechnic articles, NFPA 1124, as referenced by the Michigan fireworks safety act, 2011 PA 256, MCL 28.451 to 28.470.~~

~~—907.2.5.1. Consumer fireworks (1.4G) facilities fire alarms. Fire alarm systems in consumer fireworks (1.4G) facilities used for the retail sale of consumer fireworks storage shall be designed and constructed in accordance with the code for the manufacture, transportation, storage, and retail sales of fireworks and pyrotechnic articles, NFPA 1124, as referenced by the Michigan fireworks safety act, 2011 PA 256, MCL 28.451 to 28.470.~~

~~—910.2.3. Consumer fireworks (1.4G) facilities smoke and heat vents. Smoke and heat vents in consumer fireworks (1.4G) facilities used for the retail sale of consumer fireworks storage shall be designed and constructed in accordance with the code for the manufacture, transportation, storage, and retail sales of fireworks and pyrotechnic articles, NFPA 1124, as referenced by the Michigan fireworks safety act, 2011 PA 256, MCL 28.451 to 28.470.~~

~~—1031.1. Consumer fireworks (1.4G) facilities means of egress. The means of egress in consumer fireworks (1.4G) facilities used for the retail sale of consumer fireworks means of egress shall be designed and constructed in accordance with the code for the manufacture, transportation, storage, and retail sales of fireworks and pyrotechnic articles, NFPA 1124, as referenced by the Michigan fireworks safety act, 2011 PA 256, MCL 28.451 to 28.470.~~

**R 408.30442 Automatic sprinkler systems. Rescinded.**

~~Rule 442. Sections 903.2.8, 903.2.8.2, 903.2.5, and 903.2.5.1 are amended and section 903.2.5.4 is added to the code to read as follows:~~

~~903.2.8. Group R. An automatic sprinkler system installed in accordance with section 903.3 shall be provided throughout all buildings with a Group R fire area.~~

~~Exception: Camp buildings in remote areas without municipal water supply that meet all of the following:~~

- ~~1. Not more than 1 story, 2000 square feet (186 m<sup>2</sup>) and 25 occupants.~~
- ~~2. Are used not more than 5 months in a year.~~
- ~~3. Shall be provided with not less than 2 exits in compliance with section 1019.~~
- ~~4. Shall not be provided with cooking equipment.~~
- ~~5. Provided with a manual fire alarm system and smoke alarms throughout in compliance with NFPA 72 as listed in chapter 35. For cabins sleeping 4 or fewer occupants only, smoke alarms are required.~~
- ~~6. Storage and equipment rooms shall be protected by a 1-hour fire partition.~~
- ~~7. Compliance with all applicable requirements of the code.~~

~~903.2.8.2. Adult foster care family homes. An automatic sprinkler system installed in accordance with section 903.3.1.3 shall be permitted in adult foster care family homes or adult foster care small group homes for 6 or fewer persons receiving care that are within a single family dwelling and licensed in accordance with the adult foster care facility licensing act, 1979 PA 218, MCL 400.701 to 400.737.~~

~~903.2.5. Group H. Automatic sprinkler systems shall be provided in high-hazard occupancies as required in sections 903.2.5.1 to 903.2.5.4.~~

~~903.2.5.1. General. An automatic sprinkler system shall be installed in group H occupancies unless the requirements of section 903.2.5.4 are met for buildings containing consumer fireworks.~~

~~903.2.5.4. Consumer fireworks (1.4G). Buildings used for the retail sale of consumer fireworks shall be provided with an automatic sprinkler system in accordance with the Michigan fireworks safety act, 2011 PA 256, MCL 28.451.~~

#### **R 408.30443 Masonry. Rescinded.**

~~Rule 443. Section 1405.4.2 of the code is amended to read as follows:~~

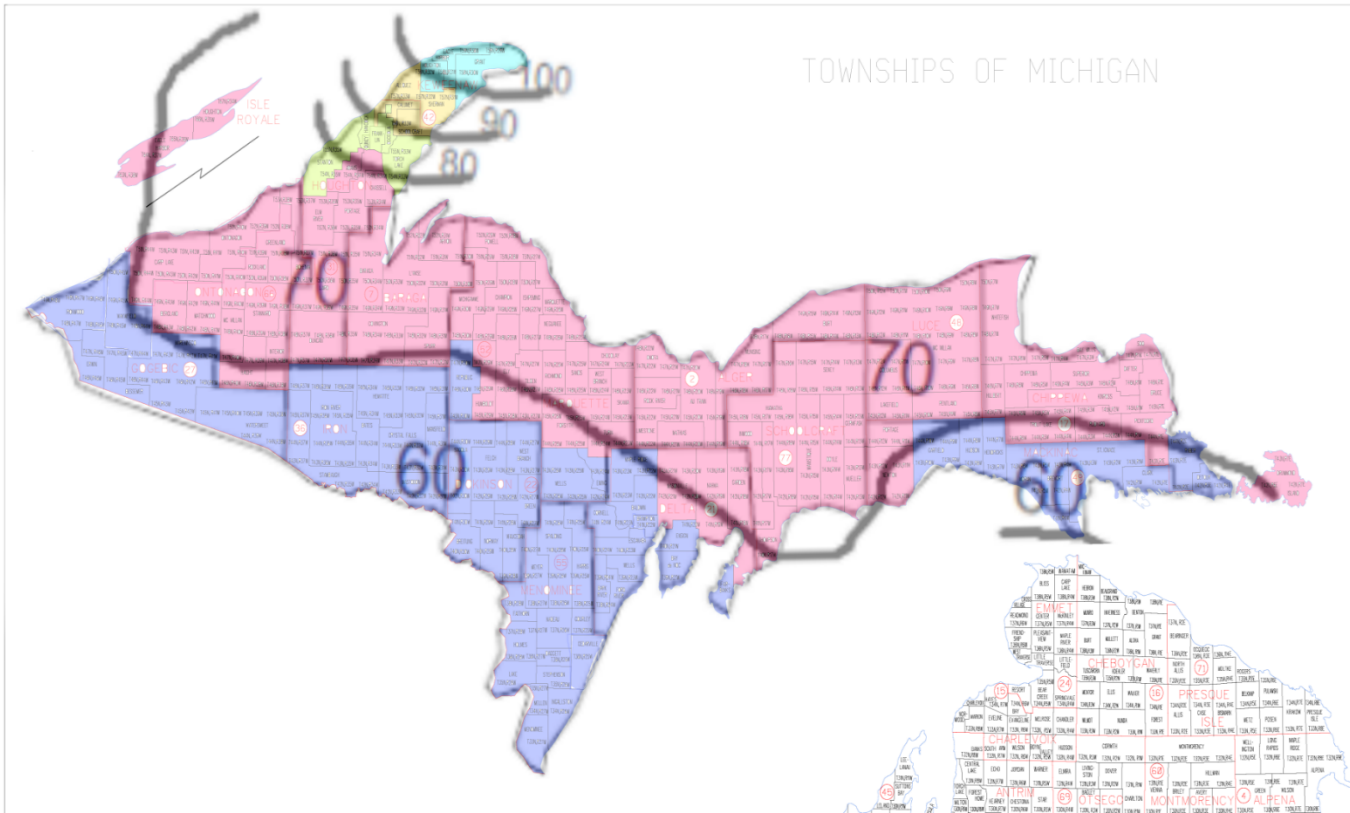
~~1405.4.2. Masonry. Flashing and weep holes shall be located in the first course of masonry above finished ground level above the foundation wall or slab; at the heads of windows, doors, and other wall openings; at windowsills and at other points of support including structural floors, shelf angles, and lintels where anchored veneers are designed in accordance with section:~~

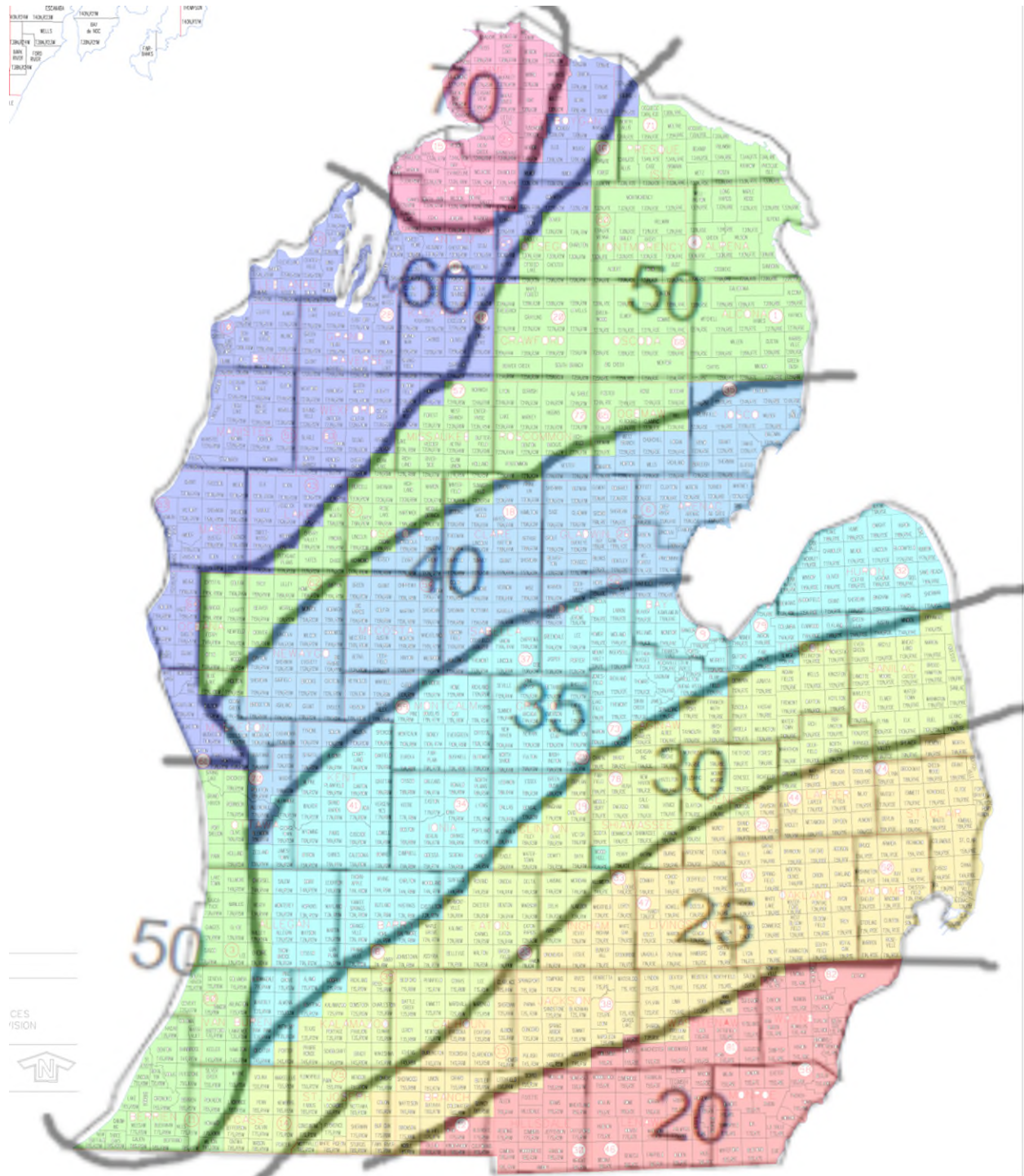
~~1405.6. Flashing shall extend to, or beyond, the finished face of the wall.~~

R 408.30448d Ground snow loads.

Rule 448d. Figure 1608.2 of the code is amended **and Table 1608.3 is added** to read as follows:

FIGURE 1608.2  
Ground Snow Loads





**Table 1608.3**  
**Michigan Ground Snow Loads by Jurisdiction**

<b>COUNTY</b>	<b>GROUND SNOW LOAD</b>	<b>JURISDICTIONS</b>
<b>Alcona</b>	<b>50</b>	<b>All</b>
<b>Alger</b>	<b>70</b>	<b>All</b>
<b>Allegan</b>	<b>50</b>	<b>All except:</b>
	<b>35</b>	city of Allegan city of Otsego city of Plainwell city of Wayland village of Hopkins village of Martin township of Allegan township of Dorr township of Gun Plain township of Hopkins township of Leighton township of Martin township of Monterey township of Otsego township of Salem township of Trowbridge township of Watson township of Wayland
<b>Alpena</b>	<b>50</b>	<b>All</b>
<b>Antrim</b>	<b>60</b>	<b>All except:</b>
	<b>70</b>	township of Banks township of Central Lake township of Echo township of Jordan township of Warner
<b>Arenac</b>	<b>40</b>	<b>All</b>
<b>Baraga</b>	<b>70</b>	<b>All</b>
<b>Barry</b>	<b>35</b>	<b>All except:</b>
	<b>30</b>	village of Nashville township of Assyria township of Barry township of Johnstown township of Maple Grove
<b>Bay</b>	<b>35</b>	<b>All except:</b>



	<b>40</b>	city of Pinconning township of Fraser township of Garfield township of Gibson township of Mt. Forest township of Pinconning
<b>Benzie</b>	<b>60</b>	<b>All</b>
<b>Berrien</b>	<b>50</b>	<b>All</b>
<b>Branch</b>	<b>25</b>	<b>All except:</b>
	<b>20</b>	township of Algansee township of California township of Gilead township of Kinderhook township of Ovid
<b>Calhoun</b>	<b>25</b>	<b>All except:</b>
	<b>30</b>	city of Battle Creek city of Marshall city of Springfield village of Athens township of Athens township of Battle Creek township of Bedford township of Convis township of Emmet township of Lee township of Leroy township of Marengo township of Marshall township of newton township of Pennfield
<b>Cass</b>	<b>30</b>	<b>All except:</b>
	<b>50</b>	city of Dowagiac village of Cassopolis village of Edwardsburg township of Howard township of La Grange township of Milton township of Pokagon township of Silver Creek township of Wayne
<b>Charlevoix</b>	<b>70</b>	<b>All</b>
<b>Cheboygan</b>	<b>70</b>	<b>All except:</b>

	<b>60</b>	city of Cheboygan village of Afton village of Wolverine township of Aloha township of Benton township of Ellis township of Grant township of Koehler township of Nunda township of Walker township of Waverly township of Wilmot
<b>Chippewa</b>	<b>70</b>	All except:
	<b>60</b>	village of DeTour township of DeTour township of Raber
<b>Clare</b>	<b>40</b>	All except:
	<b>50</b>	township of Summerfield township of Winterfield
<b>Clinton</b>	<b>30</b>	All except:
	<b>35</b>	city of St. Johns village of Fowler village of Maple Rapids village of Westphalia township of Bengal township of Dallas township of Essex township of Greenbush township of Lebanon township of Westphalia
<b>Crawford</b>	<b>50</b>	All
	<b>60</b>	All except:
<b>Delta</b>	<b>60</b>	All except:
	<b>70</b>	township of Garden township of Masonville township of Nahma
<b>Dickinson</b>	<b>60</b>	All
<b>Eaton</b>	<b>30</b>	All except:
	<b>35</b>	village of Mulliken village of Sunfield township of Sunfield
<b>Emmet</b>	<b>70</b>	All
<b>Genesee</b>	<b>30</b>	All except:

	<b>25</b>	<b>city of Davison</b> <b>city of Fenton</b> <b>city of Grand Blanc</b> <b>city of Linden</b> <b>village of Gaines</b> <b>village of Goodrich</b> <b>township of Argentine</b> <b>township of Atlas</b> <b>township of Davison</b> <b>township of Fenton</b> <b>township of Grand Blanc</b> <b>township of Mundy</b>
<b>Gladwin</b>	<b>40</b>	<b>All</b>
<b>Gogebic</b>	<b>60</b>	<b>All</b>
<b>Grand Traverse</b>	<b>60</b>	<b>All</b>
<b>Gratiot</b>	<b>35</b>	<b>All</b>
<b>Hillsdale</b>	<b>20</b>	<b>All except:</b>
	<b>25</b>	<b>city of Litchfield</b> <b>township of Litchfield</b> <b>township of Scipio</b>
<b>Houghton</b>	<b>80</b>	<b>All except:</b>
	<b>70</b>	<b>township of Adams</b> <b>township of Chassell</b> <b>township of Duncan</b> <b>township of Elm River</b> <b>township of Laird</b> <b>township of Portage</b>
	<b>90</b>	<b>village of Calumet</b> <b>village of Copper City</b> <b>village of Lake Linden</b> <b>village of Laurium</b> <b>township of Calumet</b> <b>township of Schoolcraft</b>
<b>Huron</b>	<b>35</b>	<b>All</b>
<b>Ingham</b>	<b>25</b>	<b>All except:</b>
	<b>30</b>	<b>city of East Lansing</b> <b>city of Lansing</b> <b>city of Mason</b> <b>township of Alaiedon</b> <b>township of Aurelius</b> <b>township of Delhi</b> <b>township of Lansing</b> <b>township of Meridian</b> <b>township of Williamston</b>

<b>Ionia</b>	<b>35</b>	<b>All</b>
<b>Iosco</b>	<b>40</b>	<b>All</b>
<b>Iron</b>	<b>60</b>	<b>All</b>
<b>Isabella</b>	<b>40</b>	<b>All except:</b>
	<b>35</b>	<b>village of Shepherd township of Chippewa township of Coe township of Fremont township of Lincoln township of Union</b>
<b>Jackson</b>	<b>25</b>	<b>All except:</b>
	<b>20</b>	<b>village of Brooklyn township of Columbia township of Norvell</b>
<b>Kalamazoo</b>	<b>30</b>	<b>All except:</b>
	<b>35</b>	<b>city of Parchment township of Alamo township of Cooper township of Oshtemo</b>
<b>Kalkaska</b>	<b>60</b>	<b>All</b>
<b>Kent</b>	<b>35</b>	<b>All except:</b>
	<b>40</b>	<b>city of Cedar Springs village of Casnovia village of Kent City village of Sand Lake village of Sparta township of Nelson township of Solon township of Sparta township of Tyrone</b>
<b>Keweenaw</b>	<b>90</b>	<b>All except:</b>
	<b>100</b>	<b>township of Eagle Harbor township of Grant township of Houghton</b>
<b>Lake</b>	<b>60</b>	<b>All except:</b>
	<b>50</b>	<b>township of Chase township of Cherry Valley township of Ellsworth township of Pinora township of Pleasant Plains township of Yates</b>
<b>Lapeer</b>	<b>25</b>	<b>All except:</b>

	<b>30</b>	<b>village of Clifford village of Columbiaville village of North Branch village of Otter Lake township of Burlington township of Burnside township of Deerfield township of Marathon township of North Branch township of Oregon township of Rich</b>
<b>Leelanau</b>	<b>60</b>	<b>All</b>
<b>Lenawee</b>	<b>20</b>	<b>All</b>
<b>Livingston</b>	<b>25</b>	<b>All</b>
<b>Luce</b>	<b>70</b>	<b>All</b>
<b>Mackinac</b>	<b>60</b>	<b>All except:</b>
	<b>70</b>	<b>township of Newton township of Portage</b>
<b>Macomb</b>	<b>25</b>	<b>All</b>
<b>Manistee</b>	<b>60</b>	<b>All</b>
<b>Marquette</b>	<b>70</b>	<b>All except:</b>
	<b>60</b>	<b>township of Ewing township of Wells township of Republic</b>
<b>Mason</b>	<b>60</b>	<b>All</b>
<b>Mecosta</b>	<b>40</b>	<b>All</b>
<b>Menominee</b>	<b>60</b>	<b>All</b>
<b>Midland</b>	<b>35</b>	<b>All except:</b>
	<b>40</b>	<b>city of Coleman village of Sanford township of Edenville township of Geneva township of Hope township of Mills township of Warren</b>
<b>Missaukee</b>	<b>50</b>	<b>All except:</b>
	<b>60</b>	<b>township of Bloomfield township of Caldwell township of Pioneer</b>
<b>Monroe</b>	<b>20</b>	<b>All</b>
<b>Montcalm</b>	<b>35</b>	<b>All except:</b>

	<b>40</b>	<b>village of Howard City</b> <b>village of Lakeview</b> <b>village of Pierson</b> <b>township of Cato</b> <b>township of Maple Valley</b> <b>township of Pierson</b> <b>township of Reynolds</b> <b>township of Winfield</b>
<b>Montmorency</b>	<b>50</b>	<b>All</b>
<b>Muskegon</b>	<b>40</b>	<b>All except:</b>
	<b>50</b>	<b>township of Holton</b> <b>township of Blue Lake</b>
	<b>60</b>	<b>city of Montague</b> <b>city of Muskegon</b> <b>city of Muskegon Heights</b> <b>city of North Muskegon</b> <b>city of Norton Shores</b> <b>city of Roosevelt Park</b> <b>city of Whitehall</b> <b>township of Dalton</b> <b>township of Fruitland</b> <b>township of Fruitport</b> <b>township of Laketon</b> <b>township of Montague</b> <b>township of Muskegon</b> <b>township of Sullivan</b> <b>township of Whitehall</b> <b>township of White River</b> <b>village of Fruitport</b> <b>village of Lakewood Club</b>
<b>Newaygo</b>	<b>40</b>	<b>All except:</b>
	<b>50</b>	<b>village of Hesperia</b> <b>township of Barton</b> <b>township of Beaver</b> <b>township of Denver</b> <b>township of Home</b> <b>township of Lilley</b> <b>township of Merrill</b> <b>township of Troy</b>
<b>Oakland</b>	<b>25</b>	<b>All</b>
<b>Oceana</b>	<b>60</b>	<b>All except:</b>

	<b>50</b>	<b>village of Hesperia village of Walkersville township of Colfax township of Crystal township of Elbridge township of Ferry township of Greenwood township of Leavitt township of Newfield township of Otto</b>
<b>Ogemaw</b>	<b>40</b>	<b>All except:</b>
	<b>50</b>	<b>city of Rose City township of Cummings township of Foster township of Goodar township of Hill township of Klacking township of Ogemaw township of Rose</b>
<b>Ontonagon</b>	<b>70</b>	<b>All except:</b>
	<b>60</b>	<b>township of Haight township of Interior township of McMillan</b>
<b>Osceola</b>	<b>50</b>	<b>All except:</b>
	<b>40</b>	<b>city of Evart village of Hersey township of Evart township of Hersey township of Orient township of Osceola township of Sylvan</b>
<b>Oscoda</b>	<b>50</b>	<b>All</b>
<b>Otsego</b>	<b>50</b>	<b>All except:</b>
	<b>60</b>	<b>village of Elmira village of Vanderbilt township of Corwith township of Elmira township of Hayes township of Livingston</b>
<b>Ottawa</b>	<b>50</b>	<b>All except:</b>
	<b>35</b>	<b>township of Georgetown township of Jamestown township of Tallmadge township of Zeeland</b>

	<b>40</b>	<b>city of Coopersville township of Allendale township of Blendon township of Chester township of Polton township of Wright</b>
<b>Presque Isle</b>	<b>50</b>	<b>All except:</b>
	<b>60</b>	<b>township of Bearinger</b>
<b>Roscommon</b>	<b>50</b>	<b>All except:</b>
	<b>40</b>	<b>township of Nester</b>
<b>Saginaw</b>	<b>35</b>	<b>All except:</b>
	<b>30</b>	<b>city of Frankenmuth village of Birch Run village of Chesaning village of Oakley township of Albee township of Birch Run township of Brady township of Bridgeport township of Chapin township of Chesaning township of Frankenmuth township of Maple Grove township of St. Charles township of Taymouth</b>
<b>Sanilac</b>	<b>30</b>	<b>All except:</b>
	<b>25</b>	<b>village of Melvin township of Fremont township of Worth</b>
	<b>35</b>	<b>village of Minden City township of Austin township of Greenleaf township of Minden</b>
<b>Schoolcraft</b>	<b>70</b>	<b>All</b>
<b>Shiawassee</b>	<b>30</b>	<b>All except:</b>
	<b>25</b>	<b>village of Byron township of Burns</b>
<b>St. Clair</b>	<b>25</b>	<b>All</b>
<b>St. Joseph</b>	<b>30</b>	<b>All except:</b>



	<b>25</b>	<b>city of Sturgis</b> <b>village of Burr Oak</b> <b>village of Colon</b> <b>village of White Pigeon</b> <b>township of Burr Oak</b> <b>township of Colon</b> <b>township of Fawn River</b> <b>township of Sherman</b> <b>township of Sturgis</b> <b>township of White Pigeon</b>
<b>Tuscola</b>	<b>30</b>	<b>All except:</b>
	<b>35</b>	<b>village of Caro</b> <b>village of Cass City</b> <b>village of Fairgrove</b> <b>village of Gagetown</b> <b>village of Reese</b> <b>village of Unionville</b> <b>township of Akron</b> <b>township of Almer</b> <b>township of Columbia</b> <b>township of Elkland</b> <b>township of Elmwood</b> <b>township of Fairgrove</b> <b>township of Gilford</b> <b>township of Wisner</b>
<b>Van Buren</b>	<b>50</b>	<b>All except:</b>
	<b>30</b>	<b>township of Porter</b>
	<b>35</b>	<b>city of Gobles</b> <b>village of Decatur</b> <b>village of Lawton</b> <b>village of Mattawan</b> <b>village of Paw Paw</b> <b>township of Almena</b> <b>township of Antwerp</b> <b>township of Bloomingdale</b> <b>township of Decatur</b> <b>township of Paw Paw</b> <b>township of Pine Grove</b> <b>township of Waverly</b>
<b>Washtenaw</b>	<b>25</b>	<b>All except:</b>

	<b>20</b>	<b>city of Ann Arbor</b> <b>city of Saline</b> <b>city of Ypsilanti</b> <b>village of Manchester</b> <b>township of Augusta</b> <b>township of Bridgewater</b> <b>township of Lodi</b> <b>township of Manchester</b> <b>township of Pittsfield</b> <b>township of Saline</b> <b>township of Superior</b> <b>township of York</b> <b>township of Ypsilanti</b>
<b>Wayne</b>	<b>20</b>	<b>All except:</b>
	<b>25</b>	<b>city of Northville</b>
<b>Wexford</b>	<b>60</b>	<b>All except:</b>
	<b>50</b>	<b>township of Clam Lake</b>

R 408.30458 Elevators and conveying systems.

Rule 458. Sections 3001.1, ~~3001.2, 3001.4~~, **3001.5**, 3002.5, ~~3002.6~~, 3003.1, and 3003.2; of the code are amended, and sections ~~3001.2.1, 3001.2.2~~ 3003.1.5 and 3004.5 are added to the code to read as follows:

3001.1. Scope. The design, construction, installation, alteration, and repair of elevators and conveying systems and their equipment shall conform with the requirements of the Michigan elevator laws and rules, **including 1967 PA 227**, MCL 408.801 to 408.824; **1976 PA 333**, MCL 338.2151 to 338.2160; ~~and R 408.7001 to R 408.8695~~; and this chapter. Installation or construction in flood hazard areas established in section 1612.3 shall comply with ASCE 24 listed in chapter 35.

~~3001.2. Other devices. Other devices shall conform to the requirements of sections 3001.2.1 and 3001.2.2 of the code.~~

~~3001.2.1. Conveyors. Conveyors and related equipment shall conform to the requirements of ASME B20.1 listed in chapter 35.~~

~~3001.2.2. Automotive lifts. Automotive lifts shall conform to the requirements of ALI ALCTV listed in chapter 35.~~

~~3001.4.~~ **3001.5** Change in use. A change in use of an elevator from freight to passenger, passenger to freight, or from 1 freight class to another freight class shall comply with the requirements of ~~the Michigan elevator code~~, R 408.7001 to R 408.8695.

3002.5. Emergency doors. Where an elevator is installed in a single blind hoistway or on the outside of a building, there shall be installed in the blind portion of the hoistway or blank face of the building, an emergency door in accordance with the requirements of ~~the Michigan elevator code~~, R 408.7001 to R 408.8695.

~~3002.6. Prohibited doors. Doors, other than hoistway doors and the elevator car door, shall be prohibited at the point of access to an elevator car.~~

3003.1. Standby power. In buildings and structures where, standby power is required or furnished to operate an elevator, the operation shall be in accordance with sections 3003.1.1 to 3003.1.5 of the code.

3003.1.5. Lighting. Where standby power is connected to elevators, the machine room, car top, pit, and landing lighting shall be connected to the standby power source.

3003.2 ~~Fire-fighters'~~ **Firefighters'** emergency operation. Elevators shall be provided with phase I emergency recall operation and phase II emergency in-car operation in accordance with the requirements of ~~the Michigan elevator code,~~ R 408.7001 to R 408.8695.

3004.5. Construction at bottom of hoistway. Pits extending to the ground shall have noncombustible floors and be designed as to prevent ~~the entry of ground water~~ **groundwater** into the pit. The pit floor of any hoistway not extending to the ground shall be of fire-resistive construction, having a fire-resistance rating at least equal to that required for the hoistway enclosure.

R 408.30459 Elevators.

Rule 459. Sections 1009.4 and ~~1607.9.1~~ **1607.11.1** of the code are amended to read as follows:

1009.4. Elevators. To be considered part of an accessible means of egress, an elevator shall ~~be in compliance~~ **comply** with the emergency operation and signaling device requirements of ~~the Michigan elevator code,~~ R 408.7001 to R 408.8695.

~~1607.9.1.~~ **1607.11.1.** Elevators. Elevator loads shall be increased by 100% for impact and the structural supports shall be designed within the limits of deflection prescribed by ~~the Michigan elevator code,~~ R 408.7001 to R 408.8695.

R 408.30499 Adoption of standards by reference; referenced codes.

Rule 499. Chapter 35 of the code is amended to add the following referenced codes, which are available for inspection and purchase from the Michigan Department of Licensing and Regulatory Affairs, Bureau of Construction Codes, ~~2501 Woodlake Circle, Okemos, Michigan 48864~~ **611 West Ottawa, Lansing, Michigan 48933**, each at a cost as of the time of adoption of these rules of: **Michigan Electrical Code \$131.00, Michigan Mechanical Code \$87.50, Michigan Plumbing Code \$87.50, Michigan Uniform Energy Code \$49.00, Michigan Elevator Code \$89.50, and Michigan Skilled Trades Regulation Rule Part 9 Boiler \$0:**

- |  |   |
|--|---|
| (a) Michigan Electrical Code<br>Administrative Code.                                     | R 408.30801 to R 408.30880 of the Michigan  |
| (b) Michigan Mechanical Code   | R 408.30901 to R 408.30998 of the Michigan<br>Administrative Code.                                      |
| (c) Michigan Plumbing Code   | R 408.30701 to R 408.30796 of the<br>Michigan Administrative Code.                                      |
| (d) Michigan Uniform Energy Code   | R 408.31001 to R 408.31086 of the Michigan<br>Administrative Code.                                      |
| (e) Michigan Elevator Code   | R 408.7001 to R 408.8695 of the<br>Michigan Administrative Code.  |
| (f) Michigan <del>Boiler Code</del> <b>Skilled Trades Regulation Rules Part 9 Boiler</b> | <del>R 408.4001 R 339.5171 to R 408.5609 408.5507 R 339.5253</del> of the Michigan Administrative Code. |

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**NOTICE OF PUBLIC HEARING**

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Department of Licensing and Regulatory Affairs  
Bureau of Construction Codes  
Administrative Rules for Construction Code- Part 4. Building Code  
Rule Set 2022-57 LR

**NOTICE OF PUBLIC HEARING**

Thursday, April 4, 2024  
09:00 AM

Michigan Library & Historical Center. First Floor Forum  
Michigan Historical Center, 702 W Kalamazoo St, Lansing, MI 48915

The Department of Licensing and Regulatory Affairs will hold a public hearing to receive public comments on proposed changes to the Construction Code- Part 4. Building Code rule set.

The proposed rules provide the latest standards to protect the health and promote the safety and welfare of the State of Michigan residents by regulating building installation and inspection within the state.

By authority conferred on the director of the department of licensing and regulatory affairs by section 4 of the Stille-DeRossett-Hale single state construction code act, 1972 PA 230, MCL 125.1504, and Executive Reorganization Order Nos. 2003-1, 2008-4, and 2011-4, MCL445.2011, 445.2025, and 445.2030

The proposed rules will take effect 120 days after filing with the Secretary of State. The proposed rules are published on the State of Michigan's website at [www.michigan.gov/ARD](http://www.michigan.gov/ARD) and in the 3/15/2024 issue of the Michigan Register. Copies of these proposed rules may also be obtained by mail or electronic mail at the following email address: [Lara-bcc-rules@michigan.gov](mailto:Lara-bcc-rules@michigan.gov).

Comments on these proposed rules may be made at the hearing, by mail, or by electronic mail at the following addresses until 4/4/2024 at 05:00PM.

Attn: Tony Williamson, Bureau of Construction Codes  
P.O. Box 30254, Lansing, MI 48909

[Lara-bcc-rules@michigan.gov](mailto:Lara-bcc-rules@michigan.gov)

The public hearing will be conducted in compliance with the 1990 Americans with Disabilities Act. If the hearing is held at a physical location, the building will be accessible with handicap parking available. Anyone needing assistance to take part in the hearing due to disability may call 517-243-9100 to make arrangements.

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**PROPOSED ADMINISTRATIVE RULES**

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DEPARTMENT OF LICENSING AND REGULATORY AFFAIRS

DIRECTOR'S OFFICE

CONSTRUCTION CODE

Filed with the secretary of state on

These rules become effective 120 days after filing with the secretary of state.

(By authority conferred on the director of the department of licensing and regulatory affairs by section 4 of **the Stille-DeRossett-Hale single state construction code act**, 1972 PA 230, MCL 125.1504, and Executive Reorganization Order Nos. 2003-1, 2008-4, and 2011-4, MCL 445.2011, 445.2025, and 445.2030)

R 408.30551, R 408.30557, R 408.30558, R 408.30560, R 408.30561, R 408.30564, and R 408.30571 of the Michigan Administrative Code are amended, and R 408.30556, R 408.30559, R 408.30562, R 408.30565, R 408.30565a, R 408.30566, R 408.30568, R 408.30570, R 408.30572, R 408.30573, R 408.30574, R 408.30575, and R 408.30576 are rescinded, as follows:

REHABILITATION CODE

R 408.30551 Applicable code.

Rule 551. The international existing building code, **2015 2021** edition, including appendix A and resource A, hereinafter referred to **in these rules** as "the code," is adopted by reference, ~~as provided in section 32(4) of the Administrative Procedures Act of 1969, MCL 24.232,~~ as the "Michigan rehabilitation code for existing buildings" with the exception of sections 103.1, ~~to~~ 103.3, 104.8, 104.8.1, 104.10, 105.3, ~~to~~ 105.3.2, 108.2 to 108.6, 110.2, 110.3, 112.1, ~~to~~ 112.4, 113.1, ~~to~~ 113.3, 114.1, ~~114.3, to~~ 114.4, 705.1.1 to 705.2, 806.2, and Appendix B and C, and as otherwise noted in these rules. The international existing building code, **2015 2021** edition is available for inspection at the Michigan Department of Licensing and Regulatory Affairs, Bureau of Construction Codes, 611 ~~West~~ Ottawa Street, ~~4<sup>th</sup>~~ **First** Floor Ottawa Building, Lansing, Michigan 48933. The code may be purchased from the International Code Council, through the bureau's website at [www.michigan.gov/bcc](http://www.michigan.gov/bcc), at a cost as of the time of adoption of these rules of ~~\$81.00~~ **\$77.50**.

**101.3 Purpose: The purpose of the code and the act is to provide the use of alternative approaches to achieve compliance with minimum requirements to provide a reasonable level of safety, health, property protection, and general welfare insofar as they are affected by the repair, alteration, change of occupancy, addition, and relocation of existing buildings. The act takes precedence over all provisions of the code.**

R 408.30556 ~~Elevators.~~ **Rescinded.**

~~Rule 556. Section 902.1.2 of the code is amended as follows:~~

~~902.1.2. Elevators. Where there is an elevator or elevators for public use, at least 1 elevator serving the work area shall comply with this section. Existing elevators with a travel distance of 25 feet (7620 mm) or more above or below the main floor or other level of a building and intended to serve the needs of emergency personnel for fire fighting or rescue purposes shall be provided with emergency operation in accordance with the Michigan elevator code. New elevators shall be provided with phase I emergency recall operation and phase II emergency in-car operation in accordance with the Michigan elevator code.~~

R 408.30557 Definitions.

Rule 557. The definitions of ~~act, building official,~~ and registered design professional **in the act** are added to section 202 of the code to read as follows:

202. Definitions.

(a) "Act" means **the Stille-DeRossett-Hale single state construction code act, 1972 PA 230, MCL 125.1501 to 125.1531** and ~~known as the Stille-DeRossett-Hale single state construction code act.~~

~~"Building official" means the person who is appointed and employed by a governmental subdivision charged with the administration and enforcement of the state code or codes and who is registered in accordance with the requirements of 1986 PA 54, MCL 338.2301 to 338.2313. Where used in this code, the term code official means "building official."~~

(b) "Registered design professional" means an individual who is licensed under **the occupational code, 1980 PA 299, MCL 339.101 to 339.2919 2677.**

R 408.30558 Preliminary meeting.

Rule 558. Section 104.2.2 of the code is amended **and 104.6 is added to read** as follows:

104.2.2. Preliminary meeting. When requested by the owner or owner's agent, the building official shall meet with the owner or the owner's agent to discuss plans for the proposed work or change of occupancy before the application for a construction permit in order to establish the specific applicability of the provisions of ~~this~~ **the** code. The building official shall notify the appropriate fire official of the meeting.

Exception: Repairs, and alterations level 1.

**104.6 Right of entry: If a building or premises are occupied, the code official shall present their credentials to the occupant and request entry. If a building or premises are unoccupied, the code official shall first make a reasonable effort to locate either the owner, the owner's authorized agent, or another individual having care or control of the building or premises and request entry. If entry is refused, the code official has recourse to every remedy provided by law to secure entry. When a code official has first obtained a proper inspection warrant or other remedy provided by law to secure entry, the owner, the owner's authorized agent, the occupant, or the individual having charge, care, or control of the building or premises shall not fail or neglect, after a proper request is made as provided in this rule, to allow the code official prompt entry into the building or premises to inspect or examine the building or premises pursuant to the code.**

R 408.30559 ~~Preliminary review.~~ **Rescinded.**

Rule 559. ~~Section 104.2.3 is added to the code to read as follows:~~

~~104.2.3. Preliminary review. When a building permit is required by the code, the owner or owner's agent may request a review of preliminary construction documents to determine compliance with this code.~~

R 408.30560 ~~Annual permit.~~ **Permits.**

Rule 560. Sections 105.1.1, 105.1.2, ~~and of the code is being added and~~ 105.2 of the code is amended as follows:

**105.1 Required: Owners or their authorized agents shall obtain the required permit from a building official before undertaking any construction, enlargement, alteration, repair, relocation, demolition, change of occupancy, erection, installation, enlargement, alteration, repair, removal, conversion, or replacement of electrical, gas, mechanical, plumbing, or solar panel systems regulated by the code.**

~~105.1.1. Annual permit. In place of an individual permit for each alteration to an already approved electrical, gas, mechanical, or plumbing installation, the enforcing agency is authorized to issue an annual permit upon application to any person, firm, or corporation. The applicant shall be licensed in accordance with the requirements of the electrical administrative act, 1956 PA 217, MCL 338.881 to 338.892,; Forbes mechanical contractors act, 1984 PA 192, MCL 338.971 to 338.988,; or state plumbing act, 2002 PA 733, MCL 338.3511 to 338.3569.~~

~~105.1.2. Annual permit records. The person to whom an annual permit is issued shall keep a detailed record of alterations made under an annual permit. Access to the records shall be provided at all times and the records shall be filed with the enforcing agency.~~

105.2. Work exempt from permit. Exemptions from permit requirements of the code shall not be ~~deemed to~~ grant authorization for any work to be done in any manner in violation of the code or any other laws or ordinances of this jurisdiction. Permits shall not be required for any of the following:

- (a) Building permits shall not be required for any of the following:
  - (i) One-story detached accessory structures used as tool and storage sheds, playhouses, and similar uses, provided the floor area does not exceed 120 square feet, ~~(11.15 square meters m<sup>2</sup>).~~
  - (ii) A fence that is not more than 7 feet, ~~(134 millimeters, mm)~~ high.
  - (iii) Oil derricks.
  - (iv) A retaining wall that is not more than 4 feet, ~~(1,219 millimeters, mm)~~ in height measured from the bottom of the footing to the top of the wall, unless supporting a surcharge or impounding class I, II, or III-A liquids.
  - (v) A water tank supported directly on grade if the capacity is not greater than 5,000 gallons, ~~(18 925 liters, L)~~ and the ratio of height to diameter or width is not greater than 2 to 1.
  - (vi) A sidewalk and driveway not more than 30 inches, ~~(762 millimeters, mm)~~ above adjacent grade and not over any basement or story below and are not part of an accessible route.
  - (vii) Painting, papering, tiling, carpeting, cabinets, **countertops** ~~counter tops~~, and similar finish work.
  - (viii) Temporary motion picture, television, and theater stage sets and scenery.
  - (ix) Prefabricated swimming pools accessory to a group R-3 occupancy, as applicable in section 101.2, that are less than 24 inches, ~~(610 millimeters, mm)~~ deep, are not greater than 5,000 gallons, ~~(18,925 liters, L)~~ and are installed entirely above ground.
  - (x) Shade cloth structures constructed for nursery or agricultural purposes and not including service systems.
  - (xi) Swings and other playground equipment accessory to detached 1- and 2-family dwellings.
  - (xii) Window awnings in group R-3 and U occupancies, supported by an exterior wall that do not project more than 54 inches, ~~(1,372 millimeters, mm)~~ from the exterior wall and do not require additional support, as applicable in section 101.2.
  - (xiii) Nonfixed and movable fixtures, cases, racks, counters, and partitions not over 5 feet 9 inches, ~~(1,753 millimeters, mm)~~ in height.

(b) Electrical permits shall not be required, ~~as in accordance with~~ **pursuant to the Michigan electrical code, R 408.30801 to R 408.30880**, for ~~any of~~ the following:

(i) Repairs and maintenance: Minor repair work, including the replacement of lamps or the connection of approved portable electrical equipment to approved permanently installed receptacles.

(ii) Radio and television transmitting stations: The provisions of the code do not apply to electrical equipment used for radio and television transmissions, but **they** do apply to equipment and wiring for power supply and to the installation of towers and antennas.

(iii) Temporary testing systems: A permit shall not be required for the installation of any temporary system required for the testing or servicing of electrical equipment or apparatus.

(c) Mechanical permits shall not be required for ~~any of~~ the following:

(i) A portable gas heating or gas appliance that has inputs of less than 30,000 Btu's per hour.

(ii) Portable ventilation appliances and equipment.

(iii) A ~~Portable~~ **portable** cooling unit.

(iv) Steam, hot water, or chilled water piping within ~~any~~ heating or cooling equipment or appliances regulated by the code.

(v) ~~The replacement~~ **Replacement** of ~~any a~~ minor part that does not alter the approval of equipment or an appliance or make ~~such~~ **the** equipment or appliance unsafe.

(vi) A portable evaporative cooler.

(vii) Self-contained refrigeration systems that contain 10 pounds, (~~4.5 kilograms, kg~~) or less of refrigerant, or that are actuated by motors of 1 horsepower, (~~0.75 kilowatts, kW~~) or less.

(viii) Portable fuel cell appliances that are not connected to a fixed piping system and are not interconnected to a power grid.

(ix) An oil burner that does not require connection to a flue, such as an oil stove and a heater equipped with a wick.

(x) A portable gas burner that has inputs of less than 30,000 Btu's per hour.

~~–(xii) (xi)~~ **(xi)** When changing or relocating a gas meter or regulator, a permit is not required when installing gas piping which shall be limited to 10 feet, (~~3,005 millimeters, mm~~) in length and not more ~~then~~ **than** 6 fittings.

~~(xi) (xii)~~ **(xii)** When installing geothermal vertical closed loops under the supervision of a mechanical contractor licensed in **heating, ventilation and air conditioning**, (~~“HVAC”~~), as long as the company meets both **of** the following:

(A) Has obtained a certificate of registration as a well drilling contractor pursuant to part 127 of the public health code, **1978 PA 368**, MCL 333.12701 to 333.12771.

(B) Has installed the geothermal vertical closed loops ~~in accordance with~~ **pursuant to** the department of ~~environmental quality~~ **environment, Great Lakes, and energy** best practices regarding geothermal heat pump closed loops.

Exemption from the permit requirements of ~~this~~ **the** code shall not be deemed to grant authorization for work ~~to be done~~ in violation of the provisions of ~~the this~~ code or other laws or ordinances of this jurisdiction.

(d) Plumbing permits shall not be required for either of the following:

(i) The stopping of leaks in drains, water, soil, waste, or vent pipe. However, if any concealed trap, drainpipe, water, soil, waste, or vent pipe becomes defective and it becomes necessary to remove and replace the drain or pipe with new material, ~~then~~ the work is considered new work and a permit shall be obtained and inspection made as provided in the code.

(ii) The clearing of stoppages or the repairing of leaks in pipes, valves, or fixtures, and the removal and reinstallation of water closets, if the repairs do not involve or require the replacement or rearrangement of valves, pipes, or fixtures.



R 408.30561 Accessibility.

Rule 561. Sections ~~410.1, 410.6, 410.7, 410.8.2 and 410.8.3~~ **306.1, 306.7, 306.7.7, and 306.7.8** of the code are amended as follows:

~~410.1. 306.1.~~ Scope. A building, facility, or element that has a change in use group or occupancy load or alteration shall comply ~~in accordance with the requirements of the utilization of public facilities by physically limited~~, 1966 PA 1, MCL 125.1351 to 125.1356, and ~~the Michigan building code~~, R 408.30401 to R 408.30499a.

~~410.6. 306.7.~~ Alterations. A building, facility, or element that is altered shall comply with the applicable provisions in chapter 11 of the Michigan building code and ICC/A117.1 listed in chapter 16, **of the Michigan building code** unless technically infeasible. When compliance with this section is technically infeasible, ~~then~~ the alteration shall provide access to the maximum extent technically feasible.

Exceptions:

(1) The altered element or space is not required to be on an accessible route, unless required by section ~~410.7~~ **306.7.2** of the code.

(2) Accessible means of egress required by chapter 10 of the Michigan building code are not required to be provided in existing buildings and facilities.

(3) Buildings, structures, or improved areas ~~which~~ **that** exist on or before the effective date of these rules and ~~which are in compliance~~ **comply** with the code at the time of the issuance of the certificate of occupancy unless the alteration specifically modifies an area covered by sections ~~410.6~~ 306.7 to 306.7.7 of the code.

(4) The alteration to type A individually owned dwelling units within a group R-2 occupancy shall meet the provisions for a type B dwelling unit and shall comply with the applicable provisions in chapter 11 of the Michigan building code and ICC/A 117.1 listed in chapter 16 **of the Michigan building code**.

~~410.7. 306.7.2~~ Alterations affecting an area containing a primary function. Where an alteration affects the accessibility to, or contains an area of, primary function, the route to the primary function area shall be accessible. The accessible route to the primary function area shall include toilet facilities and drinking fountains serving the area of primary function.

Exceptions:

~~(1)~~ **(a)** This provision does not apply to alterations limited solely to windows, hardware, operating controls, electrical outlets, and signs.

~~(2)~~ **(b)** This provision does not apply to alterations limited solely to mechanical systems, electrical systems, installation or alteration of fire protection systems, and abatement of hazardous materials.

~~(3)~~ **(c)** This provision does not apply to alterations undertaken for the primary purpose of increasing the accessibility of an existing building, facility, or element.

~~(4)~~ **(d)** This provision does not apply to altered areas limited to type B dwelling and sleeping units.

~~410.8.2. 306.7.7.~~ Elevators. Altered elements of existing elevators shall comply with the Michigan elevator code, R 408.7001 to R 408.8695. ~~Such~~ **These** elements shall also be altered in elevators programmed to respond to the same hall call control as the altered elevator.

~~410.8.3. 306.7.8.~~ Platform lifts. Platform ~~or (wheelchair)~~ lifts complying with ICC/A 117.1 listed in chapter 16 **of the Michigan building code**, and installed in accordance with the Michigan elevator code, R 408.7001 to R 408.8695 shall be ~~permitted~~ **allowed** as a component of an accessible route.

R 408.30562 Submittal of documents. **Rescinded.**

~~Rule 562. Section 106.1 of the code is amended as follows:~~

~~106.1 Submittal of documents. Construction documents, special inspection and structural observation programs, investigation and evaluation reports, and other data shall be submitted in 1 or more sets with each application for a permit. The construction documents shall be prepared by or under the direct supervision of a registered design professional when required by 1980 P.A. 299, MCL 339.101 to 339.2721. Where special conditions exist, the building official is authorized to require additional construction documents to be prepared by a registered design professional.~~

~~Exception: The building official is authorized to waive the submission of construction documents and other data not required to be prepared by a registered design professional if it is found that the nature of the work applied for is such that reviewing of construction documents is not necessary to obtain compliance with this code.~~

R 408.30564 Elevator control.

Rule 564. Section ~~1401.6.14~~ **1301.6.14** of the code is amended as follows:

1401.6.14. Elevator control. Evaluate the passenger elevator equipment and controls that are available to the fire department to reach all occupied floors. Elevator recall controls shall be provided ~~in accordance with~~ **pursuant to** the Michigan elevator code, R 408.7001 to R 408.8695. Under the categories and occupancies in table 1401.6.14, determine the appropriate value and enter that value into table 1401.7 under safety parameter 1401.6.14, elevator control, for fire safety, means of egress, and general safety. The values shall be zero for a single-story building.

R 408.30565 ~~Payment of fees.~~ **Rescinded.**

~~Rule 565. Section 108.1 of the code is amended as follows:~~

~~108.1 Payment of fees. The fees prescribed by the act shall be paid to the enforcing agency of the jurisdiction before a permit to begin work may be issued. In addition, an amendment to a permit necessitating an additional fee shall not be approved until the additional fee has been paid.~~

R 408.30565a ~~Smoke alarm reference codes.~~ **Rescinded.**

~~Rule 565a. Sections 402.5, 403.10, 804.4.3, and 1104.1 of the code are amended as follows:~~

~~402.5. Smoke alarms in existing portions of a building. Where an addition is made to a building or structure of a group R or I-1 occupancy, the existing building shall be provided with smoke alarms in accordance with the Michigan building code.~~

~~403.10. Smoke alarms. Individual sleeping units and individual dwelling units in group R and I-1 occupancies shall be provided with smoke alarms in accordance with the Michigan building code.~~

~~804.4.3. Smoke alarms. Individual sleeping units and individual dwelling units in any work area in group R and I-1 occupancies shall be provided with smoke alarms in accordance with the Michigan building code.~~

~~Exception: Interconnection of smoke alarms outside of the work area shall not be required.~~

~~1104.1. Smoke alarms in existing portions of a building. Where an addition is made to a building or structure of a group R or I-1 occupancy, the existing building shall be provided with smoke alarms as required by the Michigan building code or the Michigan residential code as applicable.~~

R 408.30566 ~~Smoke alarm locations.~~ **Rescinded.**

~~Rule 566. Sections 501.3 and 501.3.1 are added to the code as follows:~~

~~501.3. Smoke alarm locations in existing buildings constructed before November 6, 1974. Within each dwelling unit or sleeping unit, a single station smoke alarm shall be installed in the following locations:~~

- ~~(1) In each sleeping room or each area directly outside the sleeping room.~~
- ~~(2) On each floor level including the basement level.~~

~~For sleeping units with split levels and without an intervening door between the adjacent levels, a smoke alarm installed on the upper level shall suffice for the adjacent lower level provided that the lower level is less than 1 full story below the upper level.~~

~~501.3.1. Equipment Requirements. The required equipment for smoke alarms consist of the following:~~

~~(1) Installation. Smoke alarm devices shall be listed and installed in accordance with the provisions of this code, the manufacturers installation requirements, and the provisions of NFPA 72 as listed in chapter 16.~~

~~(2) Power Source. The equipment shall be operable by power from 1 of the following primary sources.~~

~~(a) The building wiring provided that such wiring is served from a commercial source and is equipped with a battery backup. Wiring shall be permanent and without a disconnecting switch other than as required for overcurrent protection.~~

~~(b) A non-rechargeable battery that is capable of operating the smoke alarm in the normal condition for a life of 5 years.~~

~~(c) A rechargeable battery, with proper charging, able to power the alarm for a life of 5 years and shall be automatically recharged by an AC circuit of the commercial light and power source.~~

~~(d) A household or commercial use alarm system with battery backup listed and approved in accordance with the household and commercial fire warning equipment provisions of NFPA 72, as adopted by reference in this rule.~~

~~(3) Audible Alarm Notification. The activation of the alarm signal shall produce a sound that is audible in all occupiable dwelling areas.~~

~~(4) Testing and Maintenance. The owner of a dwelling unit, in which required or optional fire detection or fire protection systems equipment is installed, shall be responsible for the proper operation, testing, and maintenance of the equipment in accordance with the manufacturer's instructions included with the equipment. The occupant of rental dwelling units shall be responsible for the periodic operational testing and periodic cleaning of the installed equipment within the rental unit in accordance with the testing instructions provided in the manufacturer's instructions for the equipment. If the system fails, breaks, or is out of service, it shall be repaired and functional within 30 days.~~

~~Exception: Smoke alarms and devices installed in buildings constructed before November 6, 1974 where an installation was approved by the appropriate enforcing agency under regulations in effect at the time of the installation shall be considered to comply with the provisions of the code.~~

R 408.30568 Altered area use and occupancy classification change. **Rescinded.**

~~Rule 568. Sections 110.1 and 110.2 of the code are amended as follows:~~

~~—110.1. Altered area use and occupancy classification change. An altered area of a building shall not be used or occupied, and a change in the existing occupancy classification of a building or portion thereof shall not be made until the building official has issued a certificate of occupancy in accordance with the act. The issuance of a certificate of occupancy shall not be construed as an approval of a violation of the provisions of this code or of the other ordinances of the jurisdiction.~~

~~—110.2. Certificate issued. After the building official inspects the building or structure and finds no violations of the provisions of this code or other laws that are enforced by the department and all permit and plan review fees are paid, the building official shall issue a certificate of occupancy that contains all of the following:~~

- ~~–(a) The building permit number.~~
- ~~–(b) The address of the structure.~~
- ~~–(c) A description of that portion of the structure for which the certificate is issued.~~
- ~~–(d) A statement that the described portion of the structure has been inspected for compliance with the requirements of this code for the occupancy and division of occupancy and the use for which the proposed occupancy is classified.~~
- ~~–(e) The name and signature of the building official or designee, registered in accordance with the building officials and inspectors registration act, 1986 PA 54, MCL 338.2301 to 338.2313.~~
- ~~–(f) The edition of the code under which the permit was issued.~~
- ~~–(g) The use and occupancy, in accordance with the provisions of the Michigan building code.~~
- ~~–(h) The type of construction as defined in the Michigan building code.~~
- ~~–(i) The design occupant load.~~
- ~~–(j) If an automatic sprinkler system is provided, whether the sprinkler system is required.~~
- ~~–(k) Any special stipulations and conditions of the building permit.~~

R 408.30570 **Board of appeals. Rescinded.**

Rule 570. Sections 112.1 and 112.3 of the code are amended as follows:

~~112.1. Means of appeal. An interested person may appeal a decision of the enforcing agency to the board of appeals in accordance with the act. An application for appeal shall be based on a claim that the true intent of the code or the rules governing construction have been incorrectly interpreted, the provisions of the code do not apply, or an equal or better form of construction is proposed. The decision of a local board of appeals may be appealed to the construction code commission in accordance with the act and time frames.~~

~~Exception: Requests for barrier free design exception shall be in accordance with 1966 PA 1, MCL 125.1351 to 125.1356.~~

~~112.3. Qualification. The board of appeals shall consist of members who are qualified in accordance with the act and are not employees of the governmental subdivision or the agency enforcing the code.~~

R 408.30571 Violation penalties.

Rule 571. **Section 109.6 is added and Section section 113.4** of the code is amended as follows:

**109.6 Approval required: Work shall not be done beyond the point indicated in each successive inspection without first obtaining the approval of the building official. The building official on notification shall make the requested inspections and shall either indicate the portion of the construction that is satisfactory as completed, or shall notify the permit holder or agent of the permit holder where a portion of the construction fails to comply with the code. The notification shall include specific reference to the code chapter and section numbers in violation in writing. Any portions that no do not comply shall be corrected and such portion shall not be covered or concealed until authorized by the building official. Neither the code official or the authority having jurisdiction are liable for expense entailed in the removal or replacement of material required to allow inspection.**

**113.4 Violation penalties.**

(1) It is unlawful for any person, firm, or corporation to violate a provision of ~~this~~ **the** code or fail to conform with ~~any of~~ the requirements thereof, or erect, construct, alter, extend, repair, move, remove, demolish, or occupy any building, structure, or equipment regulated by ~~the this~~ **the** code, or cause work to be performed or done in conflict with or in violation of the approved construction documents or directive of the enforcing agency or a permit or certificate issued under ~~this~~ **the** code.

(2) A violator shall be assessed a fine in accordance with the act, **and may be subject to a review that could result in licensing action pursuant to the skilled trades regulation act, 2016 PA 407, MCL 339.5101 to 339.6133.**

**R 408.30572 Stop work order. Rescinded.**

Rule 572. Section 114.2 of the code is amended as follows:

114.2. Issuance. Notice shall be in accordance with the act. A person who is served with a stop work order, except for work that the person is directed to perform to remove a violation or unsafe condition, is subject to the penalty provisions prescribed in the act.

**R 408.30573 Change of occupancy. Rescinded.**

Rule 573. Section 410.4 of the code is amended as follows:

410.4. Change of occupancy. Unless technically infeasible, sections 410.6, 410.7, and 410.8 of the code shall be applied in accordance with the utilization of public facilities by physically limited, 1966 PA 1, MCL 125.1351 to 125.1356.

**R 408.30574 Accessibility. Rescinded.**

Rule 574. Section 705.1 of the code is amended as follows:

705.1. General. A building, facility, or element that is accessible shall remain accessible in accordance with the requirements of the utilization of public facilities by physically limited, 1966 PA 1, MCL 125.1351 to 125.1356, and the Michigan building code, R 408.30401 to R 408.30499.

**R 408.30575 High-rise buildings. Rescinded.**

Rule 575. Sections 702.4 and 902.1 of the code are amended to read as follows:

702.4. Window opening control devices. In group R-2 or R-3 buildings containing dwelling units, window opening control devices complying with ASTM F2090 shall be installed where an existing window is replaced and where all the following apply to the replacement window:

- (1) The window is operable.
- (2) The window replacement includes replacement of the sash and the frame.
- (3) In group R-2 or R-3 buildings containing dwelling units, the top of the sill of the window opening is at a height less than 36 inches (915 mm) above the finished floor, or in one and two family dwellings and townhouses regulated by the international residential code, the top of the sill of the window opening is at a height less than 24 inches (610 mm) above the finished floor.
- (4) The window will permit openings that will allow passage of a 4-inch diameter (102 mm) sphere when the window is in its largest opened position.
- (5) The vertical distance from the top of the sill of the window opening to the finished grade or other surface below, on the exterior of the building, is greater than 72 inches (1829 mm).

The window opening control device, after operation to release the control device allowing the window to fully open, shall not reduce the minimum net clear opening area of the window unit to less than the area required by the international building code.

Exceptions:

- (1) Operable windows where the top of the sill of the window opening is located more than 75 feet (22.86 m) above the finished grade or other surface below, on the exterior of the room, space or building, and that are provided with window fall prevention devices that comply with ASTM F2006.

~~(2) Operable windows with openings that are provided with window fall prevention devices that comply with ASTM F2090.~~

~~902.1. High rise buildings. Any building having 1 or more occupied floors located more than 55 feet (16 764 mm) above the lowest level of fire department vehicle access shall comply with the requirements of sections 902.1.1 and 902.1.2.~~

~~Exception: The provisions of sections 902.1.1 and 902.1.2 shall apply to buildings having occupied floor levels more than 75 feet above the lowest level of fire department vehicle access where the local unit of government has complied with the provisions of section 403.1 of the Michigan building code, exception 6.~~

**R 408.30576 Accessibility requirements. Rescinded.**

~~Rule 576. Sections 1006.1 and 1012.8 of the code are amended as follows:~~

~~1006.1. General. Accessibility in portions of buildings undergoing a change of occupancy classification shall comply with the provisions of section 410.4.~~

~~1012.8. Accessibility. A building, facility, or element that has a change in use group or occupancy load or alteration shall comply with the requirements of the utilization of public facilities by physically limited, 1966 PA 1, MCL 125.1351 to 125.1356 and the Michigan building code, R 408.30401 to R 408.30499.~~

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**NOTICE OF PUBLIC HEARING**

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Department of Licensing and Regulatory Affairs  
Bureau of Construction Codes  
Administrative Rules for Rehabilitation Code  
Rule Set 2022-58 LR

**NOTICE OF PUBLIC HEARING**

Thursday, April 4, 2024  
01:00 PM

Michigan Library & Historical Center. First Floor Forum  
Michigan Historical Center, 702 W Kalamazoo St, Lansing, MI 48915

The Department of Licensing and Regulatory Affairs will hold a public hearing to receive public comments on proposed changes to the Rehabilitation Code rule set.

The proposed rules provide the latest standards to protect the health and promote the safety and welfare of the State of Michigan residents by regulating existing building installation and inspection within the state.

By authority conferred on the director of the department of licensing and regulatory affairs by section 4 of the Stille-DeRossett-Hale single state construction code act, 1972 PA 230, MCL 125.1504, and Executive Reorganization Order Nos. 2003-1, 2008-4, and 2011-4, MCL445.2011, 445.2025, and 445.2030

The proposed rules will take effect 120 days after filing with the Secretary of State. The proposed rules are published on the State of Michigan's website at [www.michigan.gov/ARD](http://www.michigan.gov/ARD) and in the 3/15/2024 issue of the Michigan Register. Copies of these proposed rules may also be obtained by mail or electronic mail at the following email address: [Lara-bcc-rules@michigan.gov](mailto:Lara-bcc-rules@michigan.gov).

Comments on these proposed rules may be made at the hearing, by mail, or by electronic mail at the following addresses until 4/4/2024 at 05:00PM.

Attn: Tony Williamson, Bureau of Construction Codes  
P.O. Box 30254, Lansing, MI 48909

[Lara-bcc-rules@michigan.gov](mailto:Lara-bcc-rules@michigan.gov)

The public hearing will be conducted in compliance with the 1990 Americans with Disabilities Act. If the hearing is held at a physical location, the building will be accessible with handicap parking available. Anyone needing assistance to take part in the hearing due to disability may call 517-243-9100 to make arrangements.

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**PROPOSED ADMINISTRATIVE RULES**

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DEPARTMENT OF LICENSING AND REGULATORY AFFAIRS

DIRECTOR'S OFFICE

ACUPUNCTURE – GENERAL RULES

Filed with the secretary of state on

These rules become effective immediately after filing with the secretary of state unless adopted under section 33, 44, or 45a(9) of the administrative procedures act of 1969, 1969 PA 306, MCL 24.233, 24.244, or 24.245a. Rules adopted under these sections become effective 7 days after filing with the secretary of state.

(By authority conferred on the director of the department of licensing and regulatory affairs by sections 16141, 16145, 16148, 16174, 16201, 16204, 16205, 16287, 16515, 16517, and 16525 of the public health code, 1978 PA 368, MCL 333.16141, 333.16145, 333.16148, 333.16174, 333.16201, 333.16204, 333.16205, 333.16287, 333.16515, 333.16517, and 333.16525 and Executive Reorganization Order Nos. 1991-9, 1996-2, 2003-1, and 2011-4, MCL 338.3501, 445.2001, 445.2011, and 445.2030)

R 338.13001, R 338.13004, R 338.13031, and R 338.13033 of the Michigan Administrative Code are amended, as follows:

PART 1. GENERAL RULES

R 338.13001 Definitions.

Rule 1. (1) As used in these rules:

(a) "Board" means the Michigan board of acupuncture created under section 16521 of the public health code, MCL 333.16521.

(b) "Code" means the public health code 1978 PA 368, MCL 333.1101 to 333.25211.

(c) "Department" means the department of licensing and regulatory affairs.

**(d) "NCCAOM" means the National Certification Commission for Acupuncture and Oriental Medicine.**

**(e) "PDA" means a continuing education course or activity approved by the NCCAOM as a professional development activity.**

(2) Terms defined in the code have the same meanings when used in these rules.

R 338.13004 Approval and adoption of examinations; approval and adoption of standards of competence.

Rule 4. (1) The board approves and adopts the examinations developed, scored, and required for certification by the ~~National Certification Commission for Acupuncture and Oriental Medicine (NCCAOM).~~

(2) The board approves and adopts the NCCAOM national standards of competence in acupuncture and Oriental medicine as set forth in the document titled, "NCCAOM Certification Handbook," ~~effective January 1, 2019~~ **June 2023**. The document is available for inspection and distribution at the cost of 10



cents per page from the Department of Licensing and Regulatory Affairs, Bureau of Professional Licensing at 611 ~~W. West Ottawa St. Street~~, P.O. Box 30670, Lansing, Michigan 48909 and at no cost from NCCAOM at [https://www.nccaom.org/wp-content/uploads/pdf/NCCAOM\\_Certification\\_Handbook\\_Sept\\_2023.pdf](https://www.nccaom.org/wp-content/uploads/pdf/NCCAOM_Certification_Handbook_Sept_2023.pdf) or National Certification Commission for Acupuncture and Oriental Medicine, ~~2025 M. Street NW, Suite 800~~ **2001 K Street NW, 3<sup>rd</sup> Floor North**, Washington, DC ~~20036~~ **20006**.

### PART 3. LICENSE RENEWAL, LIMITED LICENSE RENEWAL, AND CONTINUING EDUCATION

R 338.13031 Renewal of acupuncturist license; renewal of limited license; requirements; limitations; waiver request.

Rule 31. (1) Pursuant to section 16517 of the code, MCL 333.16517, an applicant for renewal of a license or limited license, who has been licensed for the 2-year period immediately preceding the expiration date of the license, shall ~~satisfy the requirements of R 338.7001 to R 338.7005 and~~ accumulate 30 hours of continuing education related to the practice of acupuncture and approved by the board pursuant to these rules, during the 2 years before the expiration date of the license.

**(2) An applicant shall satisfy the implicit bias training standards requirements of R 338.7004. The licensee may count the hours earned satisfying the requirements of R 338.7004 as part of the 30 hours of continuing education required under subrule (1) of this rule if the hours were earned by participating in a course or activity approved by the NCCAOM.**

~~(2)(3)~~ An applicant for renewal of a license or a limited license shall accumulate at least 5 hours of the **continuing education hours required in subrule (1) of this rule** ~~required hours of continuing education~~ in pain and symptom management related to the practice of acupuncture during each license cycle pursuant to sections 16204(2) and 16517(2) of the code, MCL 333.16204 and 333.16517.

~~(3)(4)~~ An applicant for renewal of a limited license, in addition to meeting the requirements of subrules (1) ~~and (2)~~ **to (3)** of this rule, shall meet all of the following:

(a) Pursuant to section 16517(3) of the code, MCL 333.16517, the applicant shall hold an active license to engage in another health profession, ~~as that term is defined in section 16105 of the code, MCL 333.16105,~~ at the time of ~~his or her~~ **the applicant's** application, and as a condition of renewal of ~~his or her~~ **the applicant's** limited license.

(b) The applicant shall accumulate the continuing education credits required in subrules (1) ~~and (2)~~ **to (3)** of this rule in addition to any continuing education credits accumulated for the purpose of renewing ~~his or her~~ **the applicant's** other health professional license.

(c) The applicant shall submit a form, provided by the department, that contains the name and signature of ~~his or her~~ **the applicant's** supervising physician acknowledging that the physician provided the supervisory responsibilities described under section 16109(2) of the code, MCL 333.16109, during the previous license cycle and agreeing to provide those supervisory responsibilities during the next license cycle.

~~(4)(5)~~ Submission of an application for renewal constitutes the applicant's certification of compliance with this rule. An applicant shall retain documentation of satisfying the requirements of this rule for a period of 4 years ~~from~~ **after** the date of applying for license renewal. The board may require an applicant to submit evidence to demonstrate compliance with this rule. Failure to comply with this rule is a violation of section 16221(h) of the code, MCL 333.16221.

~~(5)(6)~~ The department must receive a request for a waiver under section 16205 of the code, MCL 333.16205, before the expiration date of the license.

~~(6)(7)~~ The continuing education credits earned in 1 license cycle may not be carried forward to the next license cycle.

~~(7)~~**(8) Except for the implicit bias training required under R 338.7004 that may be used to comply with R 338.7004 and a continuing education requirement under subrule (2) of this rule, the applicant may not earn continuing education credits for a continuing education program that is identical to a program the applicant has already earned credit for during that renewal completing the same activity twice within the same license cycle.**

R 338.13033 Acceptable continuing education, requirements.

Rule 33. (1) The board approves for continuing education a course or activity approved by the NCCAOM as a ~~professional development activity (PDA)~~. One PDA credit equals 1 hour of continuing education credit that can be accumulated to satisfy the requirements of R 338.13031.

(2) Pursuant to section 16517(1) of the code, MCL 333.16517, an individual who has met the continuing education standards of the NCCAOM is considered to have met the continuing education requirements for license renewal.

(3) If an applicant does not meet the requirements of subrule (2) of this rule, ~~he or she~~ **the applicant** shall accumulate not less than 30 continuing education credits by participating in a course or activity approved by the NCCAOM.

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**NOTICE OF PUBLIC HEARING**

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Department of Licensing and Regulatory Affairs  
Bureau of Professional Licensing  
Administrative Rules for Acupuncture- General Rules  
Rule Set 2023-33 LR

**NOTICE OF PUBLIC HEARING**

Tuesday, March 19, 2024

09:00 AM

UL-5

611 W. Ottawa Street, Lansing, Michigan

The Department of Licensing and Regulatory Affairs will hold a public hearing to receive public comments on proposed changes to the Acupuncture- General Rules rule set.

The proposed rules revise definitions, update the national standards of competence approved and adopted by the board, and clarify that a licensee who completes an implicit bias training program required under R 338.7004 may also use that training toward fulfillment of continuing education requirements if the training has been approved by the National Certification Commission for Acupuncture and Oriental Medicine.

By authority conferred on the Department of Licensing and Regulatory Affairs by MCL 333.16141, 333.16145, 333.16148, 333.16174, 333.16201, 333.16204, 333.16205, 333.16287, 333.16515, 333.16517, and 333.16525 and Executive Reorganization Order Nos. 1991-9, 1996-2, 2003-1, and 2011 -4, MCL 338.3501, 445.2001, 445.2011, and 445.2030.

The proposed rules will take effect immediately after filing with the Secretary of State. The proposed rules are published on the State of Michigan's website at [www.michigan.gov/ARD](http://www.michigan.gov/ARD) and in the 3/15/2024 issue of the Michigan Register. Copies of these proposed rules may also be obtained by mail or electronic mail at the following email address: [BPL-BoardSupport@michigan.gov](mailto:BPL-BoardSupport@michigan.gov).

Comments on these proposed rules may be made at the hearing, by mail, or by electronic mail at the following addresses until 3/19/2024 at 05:00PM.

Department of Licensing and Regulatory Affairs, Bureau of Professional Licensing-Boards and Committees Section

P.O. Box 30670, Lansing, MI 48909-8170

[BPL-BoardSupport@michigan.gov](mailto:BPL-BoardSupport@michigan.gov)

The public hearing will be conducted in compliance with the 1990 Americans with Disabilities Act. If the hearing is held at a physical location, the building will be accessible with handicap parking available. Anyone needing assistance to take part in the hearing due to disability may call 711- to make arrangements.

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**PROPOSED ADMINISTRATIVE RULES**

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DEPARTMENT OF LICENSING AND REGULATORY AFFAIRS

DIRECTOR'S OFFICE

CHIROPRACTIC - GENERAL RULES

Filed with the secretary of state on

These rules become effective immediately after filing with the secretary of state unless adopted under section 33, 44, or 45a(9) of the administrative procedures act of 1969, 1969 PA 306, MCL 24.233, 24.244, or 24.245a. Rules adopted under these sections become effective 7 days after filing with the secretary of state.

(By authority conferred on the director of the department of licensing and regulatory affairs by sections 16145, 16148, 16401, 16412, 16423, and 16431 of the public health code, 1978 PA 368, MCL 333.16145, 333.16148, 333.16401, 333.16412, 333.16423, and 333.16431, and Executive Reorganization Order Nos. 1991-9, 1996-2, 2003-1, and 2011-4, MCL 338.3501, 445.2001, 445.2011, and 445.2030)

R 338.12021, R 338.12031, R 338.12032, R 338.12034, R 338.12035, R 338.12036, R 338.12037, R 338.12041, and R 338.12042 of the Michigan Administrative Code are amended, and R 338.12016 is added, as follows:

PART 1. GENERAL PROVISIONS

**R 338.12016 Telehealth.**

**Rule 16. (1) A licensee shall obtain consent from the patient for treatment before providing a telehealth service under section 16284 of the code, MCL 333.16284.**

**(2) A licensee shall keep proof of consent for telehealth treatment in the patient's up-to-date medical record and satisfy section 16213 of the code, MCL 333.16213.**

**(3) A licensee providing any telehealth service shall do both of the following:**

**(a) Act within the scope of the licensee's practice.**

**(b) Exercise the same standard of care applicable to a traditional, in-person health care service.**

PART 2. EDUCATION

R 338.12021 Educational program standards; adoption by reference.

Rule 21. (1) The process and requirements for the CCE's accreditation of chiropractic educational programs as set forth in the publication titled "CCE Accreditation Standards: Principles, Processes & Requirements for Accreditation" July 2021, which are available from the council's website at <http://www.cce-usa.org> at no cost, are approved and adopted by reference. Copies are available for inspection and distribution at a cost of 10 cents per page from the Board of Chiropractic, Bureau of

Professional Licensing, Department of Licensing and Regulatory Affairs, 611 West Ottawa Street, P. O. Box 30670, Lansing, Michigan 48909.

(2) ~~Any~~ A chiropractic educational program accredited by the CCE is considered approved.

### PART 3. LICENSURE

R 338.12031 Training standards for identifying victims of human trafficking; requirements.

Rule 31. (1) Under section 16148 of the code, MCL 333.16148, an individual seeking licensure or who is licensed shall ~~complete~~ **have completed** training in identifying victims of human trafficking that satisfies the following standards:

- (a) Training content must cover all the following:
  - (i) Understanding the types and venues of human trafficking in the United States.
  - (ii) Identifying victims of human trafficking in healthcare settings.
  - (iii) Identifying the warning signs of human trafficking in healthcare settings for adults and minors.
  - (iv) Identifying resources for reporting the suspected victims of human trafficking.
- (b) Acceptable providers or methods of training include any of the following:
  - (i) Training offered by a nationally-recognized or state-recognized health-related organization.
  - (ii) Training offered by, or in conjunction with, a state or federal agency.
  - (iii) Training obtained in an educational program that has been approved for initial licensure or registration, or by a college or university.
  - (iv) Reading an article related to the identification of victims of human trafficking that satisfies the requirements of subdivision (a) of this subrule and is published in a peer-reviewed journal, healthcare journal, or professional or scientific journal.
- (c) Acceptable modalities of training may include any of the following:
  - (i) Teleconference or online seminar.
  - (ii) Online presentation.
  - (iii) Live presentation.
  - (iv) Printed or electronic media.

(2) The department may select and audit an individual and request documentation of proof of completion of training. If audited by the department, the individual shall provide an acceptable proof of completion of training, including either of the following:

(a) Proof of completion certificate issued by the training provider that includes the date, provider name, name of training, and individual's name.

(b) A self-certification statement by the individual. The certification statement must include the individual's name and either of the following:

(i) For training completed under subrule (1)(b)(i) to (iii) of this rule, the date, training provider name, and name of training.

(ii) For training completed under subrule (1)(b)(iv) of this rule, the title of article, author, publication name of peer-reviewed journal, healthcare journal, or professional or scientific journal, and the date, volume, and issue of publication, as applicable.

~~(3) Under section 16148 of the code, MCL 333.16148, the requirements specified in subrule (1) of this rule apply for license renewals beginning with the 2016 renewal cycle and for initial licenses issued after March 17, 2021.~~

R 338.12032 Educational limited license; requirements.

Rule 32. An applicant for a nonrenewable educational limited license under section 16412 of the code, MCL 333.16412, shall satisfy the requirements of the code and the rules promulgated under the code, ~~as well as~~ **and** all the following requirements:

- (a) Provide the required fee and a completed application on a form provided by the department.
- (b) Provide proof, as directed by the department, verifying the completion of 2 years of education in a college of arts and sciences.
- (c) Provide proof, as directed by the department, verifying the completion of 1 of the following requirements:
  - (i) Two years of attendance in a program or institution of chiropractic that satisfies the educational requirements under R 338.12021.
  - (ii) Four semesters of attendance in a program or institution of chiropractic that satisfies the educational requirements under R 338.12021.
  - (iii) Six quarter terms of attendance in a program or institution of chiropractic that satisfies the educational requirements under R 338.12021.
- (d) Provide proof, as directed by the department, verifying that a licensed chiropractor shall supervise the applicant.

R 338.12034 Licensure by examination; requirements.

Rule 34. An applicant for a chiropractic license by examination shall satisfy the requirements of the code and the rules promulgated under the code, ~~as well as~~ **and** all the following requirements:

- (a) Provide the required fee and a completed application on a form provided by the department.
- (b) Provide proof, as directed by the department, verifying graduation from a program or institution of chiropractic that satisfies the educational requirements under R 338.12021.
- (c) Provide proof, as directed by the department, verifying passing scores on parts I, II, III, and IV of the national board examination conducted and scored by the NBCE, under R 338.12033.

R 338.12035 Licensure by endorsement; requirements.

Rule 35. (1) An applicant for a chiropractic license by endorsement shall satisfy the requirements of the code, ~~and~~ the rules promulgated under the code, ~~as well as~~ **and** all the following requirements:

- (a) Provide the required fee and a completed application on a form provided by the department.
  - (b) Provide proof, as directed by the department, verifying a current and full chiropractic license in another state or in a province of Canada.
  - (c) If the applicant is licensed as a chiropractor in a province of Canada, provide proof, as directed by the department, verifying that the applicant completed the educational requirements in Canada or ~~in~~ the United States for licensure as a chiropractor in Canada or the United States.
  - (d) Provide proof, as directed by the department, verifying passing scores on either of the following examinations for a chiropractic license in another state or in a province of Canada to obtain licensure as a chiropractor in another state or ~~in~~ a province of Canada:
    - (i) Parts I, II, III, and IV of the national board examination conducted and scored by the NBCE, under R 338.12033.
    - (ii) Component A – Chiropractic Knowledge, Component B – Clinical Decision Making, and Component C – Clinical Skills Demonstration of the Canadian Chiropractic Examining Board's (CCEB) examinations.
- (2) An applicant ~~that~~ **who** provides proof, as directed by the department, verifying a current and full chiropractic license in good standing in another state or in a province of Canada for not less than the last 5 years before the date of filing the application for a chiropractic license by endorsement is presumed to satisfy the requirements of subrule (1)(c) and (d) of this rule.

(3) An applicant ~~that~~ **who** is or has been licensed, registered, or certified in a health profession or specialty by another state, the United States military, the federal government, or another country shall disclose that fact on the application form. The applicant shall satisfy the requirements of section 16174(2) of the code, MCL 333.16174, including verification from the issuing entity showing that disciplinary proceedings are not pending against the applicant and sanctions are not in force at the time of application. If licensure is granted and it is determined that sanctions have been imposed, the disciplinary subcommittee may impose appropriate sanctions under section 16174(5) of the code, MCL 333.16174.

R 338.12036 Relicensure requirements.

Rule 36. (1) An applicant whose chiropractic license has lapsed may be relicensed within 3 years after the expiration date of the license under section 16201(3) of the code, MCL 333.16201, if the applicant satisfies the requirements of the code, ~~and the rules promulgated under the code, as well as~~ **and** all the following requirements:

- (a) Provides the required fee and a completed application on a form provided by the department.
- (b) Establishes good moral character as defined in, and determined under, 1974 PA 381, MCL 338.41 to 338.47.

(c) Provides proof, as directed by the department, verifying the completion of, in the 3-year period immediately preceding the application for relicensure, 45 hours of continuing education in programs approved under R 338.12041, that include both the following requirements:

- (i) The required continuing education hours listed in R 338.12041(1)(d) to ~~(h)~~ **(g)**.
- (ii) Not more than 15 continuing education hours in distance learning programs.

(2) An applicant whose chiropractic license has lapsed may be relicensed more than 3 years after the expiration date of the license under section 16201(4) of the code, MCL 333.16201, if the applicant satisfies the requirements of the code and the rules promulgated under the code, ~~as well as~~ **and** all the following requirements:

- (a) Provides the required fee and a completed application on a form provided by the department.
- (b) Establishes good moral character as defined in, and determined under, 1974 PA 381, MCL 338.41 to 338.47.

(c) Provides fingerprints as required under section 16174(3) of the code, MCL 333.16174.

(d) Provides proof, as directed by the department, verifying either of the following:

(i) The completion of, in the 3-year period immediately preceding the application for relicensure, 45 hours of continuing education in programs approved under R 338.12041   that include all the following requirements:

- (A) Twenty-four live and in-person continuing education hours on chiropractic adjusting techniques.
- (B) The required continuing education hours listed in R 338.12041(1)(d) to ~~(h)~~ **(g)**.
- (C) Not more than 15 continuing education hours in distance learning programs.

(ii) The applicant holds or has held a valid and unrestricted license in another state or a province of Canada in the 3-year period immediately preceding the application for relicensure.

(3) An applicant ~~that~~ **who** is or has been licensed, registered, or certified in a health profession or specialty by another state, the United States military, the federal government, or another country shall disclose that fact on the application form. The applicant shall satisfy the requirements of section 16174(2) of the code, MCL 333.16174, including verification from the issuing entity showing that disciplinary proceedings are not pending against the applicant and sanctions are not in force at the time of application. If licensure is granted and it is determined that sanctions have been imposed, the disciplinary subcommittee may impose appropriate sanctions under section 16174(5) of the code, MCL 333.16174.

R 338.12037 License renewal; continuing education.

Rule 37. (1) An applicant for renewal shall satisfy the requirements of the code and the rules promulgated under the code.

(2) An applicant for renewal shall complete 30 hours of continuing education in the 2-year period immediately preceding the renewal application that satisfy R 338.12041.

(3) Submission of an application for renewal constitutes the applicant's certification of compliance with the requirements of this rule. The licensee shall ~~keep~~ **maintain** documentation of satisfying the requirements of this rule for 4 years after the date of applying for ~~license~~ renewal. Failure to satisfy this rule is a violation of section 16221(h) of the code, MCL 333.16221.

(4) ~~The department shall receive~~ **An applicant shall submit** a request for a waiver of continuing education requirements **to the department** for the board's consideration not less than 30 days before the last regularly scheduled board meeting before the expiration date of the license.

#### PART 4. CONTINUING EDUCATION

R 338.12041 Acceptable continuing education.

Rule 41. (1) The 30 hours of continuing education required under R 338.12037 must satisfy all the following requirements:

(a) No more than 12 credit hours of continuing education may be earned during one 24-hour period.  
(b) Not less than 15 hours of continuing education must be completed by attending a live, in-person program.

(c) Credit for a continuing education program or activity that is identical to or substantially identical to a program or activity for which the licensee has already earned credit during the license cycle must not be granted.

(d) Under section 16431(2) of the code, MCL 333.16431, at least 1 hour of continuing education must be in pain and symptom management. Continuing education in pain and symptom management includes, but is not limited to, courses in any of the following:

- (i) Chiropractic manipulative treatment.
- (ii) Manual therapies.
- (iii) Therapeutic exercises for pain management.
- (iv) Behavior management.
- (v) Psychology of pain.
- (vi) Pharmacology.
- (vii) Behavior modification.
- (viii) Stress management.
- (ix) Clinical applications.
- (x) Drug interventions as they related to the practice of chiropractic.
- (e) At least 1 hour of continuing education must be in sexual boundaries.
- (f) At least 1 hour of continuing education must be in ethics.
- (g) Not less than 2 hours of continuing education must be in physical measures.
- ~~(h) Not less than 2 hours of continuing education must be in performing and ordering tests.~~

(2) In addition to those programs approved under R 338.12042, the following are considered acceptable continuing education:

(a) Attendance at or participation in a continuing education program or activity related to the practice of chiropractic, or any non-clinical subject relevant to the practice of chiropractic education, administration, management, or science, which includes, but is not limited to, live in-person programs,



interactive or monitored teleconferences, audio-conferences, web-based programs, online programs, and review of journal articles or other self-study programs approved or offered by the Michigan Association of Chiropractors (MAC) according to the following:

(i) If audited, the licensee shall provide a copy of a letter or certificate of completion showing the licensee's name, number of continuing education hours earned, the provider's name or the name of the organization that approved the program or other activity, and the date the program or activity was completed.

(ii) The number of continuing education hours for a specific program or activity is the number of hours approved by the approving organization for the specific program or activity.

(iii) A maximum of 30 hours of continuing education may be earned for this category in each renewal period.

(b) Successful completion of a course or courses related to the practice of chiropractic, offered by a chiropractic school approved under R 338.12021, according to the following:

(i) If audited, the licensee shall provide a copy of a letter or certificate of completion showing the licensee's name, the number of continuing education hours earned, the school's name, and the date the course or courses was completed.

(ii) The number of continuing education hours for a specific course or courses is the number of hours approved by the school for the specific course or courses.

(iii) A maximum of 30 hours of continuing education may be earned for courses completed in this category in each renewal period.

(c) Initial presentation by the licensee of a continuing education program related to the practice of chiropractic to a state, regional, national, or international organization. To receive credit, the presentation must not be a part of the licensee's regular job description and ~~must~~ be approved or offered for continuing education credit by the American Chiropractic Association (ACA), the International Chiropractors Association (ICA), or an approved program under this rule or R 338.12042. Continuing education under this subdivision is subject to the following:

(i) If audited, the licensee shall provide a copy of the presentation notice, advertisement, or letter from the approved program under this rule or R 338.12042, showing the date of the presentation and the licensee's name listed as a presenter.

(ii) Two hours of continuing education credit are granted for each 50 to 60 minutes of presentation. No other credit is granted for preparation of a presentation.

(iii) A maximum of 10 hours of continuing education may be earned in this category in each renewal period.

~~(3) Continuing education programs approved before the effective date of this amended rule are considered approved.~~ **Completion of implicit bias training under R 338.7004 during the 2 years immediately preceding the application for renewal may be used toward satisfaction of the requirements of R 338.12037(2) and subrule (1) of this rule.**

**(4) Continuing education programs approved before the effective date of this amended rule are considered approved.**

R 338.12042 Approval of continuing education programs.

Rule 42. (1) A continuing education program provider that is not pre-approved under R 338.12041(2) shall petition the board for approval of a continuing education program.

(2) The continuing education program provider shall complete an application provided by the department, file the application and supporting documentation with the department for review not less than 120 days before the program date, and satisfy the requirements of subrule (3) of this rule.

(3) The application and supporting documentation must include all the following information:

(a) A description of the sponsoring organization.

- (b) Name, title, and address of the program director.
  - (c) An outline of the course.
  - (d) A resumé for all speakers or presenters, or both.
  - (e) A description of the delivery method.
  - (f) The dates and location or locations that the course will be delivered.
  - (g) A description of how attendance is monitored, sample documents, and identification of the individual monitoring attendance.
  - (h) A sample certificate or other document that will be issued after completion and a description of how the participant will be notified.
  - (i) If appropriate, a request for recognition in a specific topic area required by R 338.12041(1)(d) to ~~(h)~~ (g).
- (4) Continuing education programs approved before the effective date of this amended rule are considered approved.

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**NOTICE OF PUBLIC HEARING**

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Department of Licensing and Regulatory Affairs  
Bureau of Professional Licensing  
Administrative Rules for Chiropractic – General Rules  
Rule Set 2023-35 LR

**NOTICE OF PUBLIC HEARING**

Tuesday, March 19, 2024

09:00 AM

UL-5

611 W. Ottawa Street, Lansing, Michigan

The Department of Licensing and Regulatory Affairs will hold a public hearing to receive public comments on proposed changes to the Chiropractic – General Rules rule set.

The proposed rules include clarifying language and typographical revisions, supplying conditions related to consent, scope of practice, and standard of care for telehealth services, removal of the requirement that a licensee must complete not less than two hours of continuing education in performing and ordering tests, and clarification that a licensee who completes implicit bias training under R 338.7004 may also use that training toward fulfillment of continuing education requirements.

By authority conferred on the department in consultation with the board under MCL 333.16145, 333.16148, 333.16204, 333.16287, 333.16401, 333.16412, 333.16423, and 333.16431, and Executive Reorganization Nos. 1991-9, 1996-2, 2003-1 and 2011-4, MCL 338.3501, 445.2001, 445.2011, and 445.2030.

The proposed rules will take effect immediately after filing with the Secretary of State. The proposed rules are published on the State of Michigan's website at [www.michigan.gov/ARD](http://www.michigan.gov/ARD) and in the 3/15/2024 issue of the Michigan Register. Copies of these proposed rules may also be obtained by mail or electronic mail at the following email address: [BPL-BoardSupport@michigan.gov](mailto:BPL-BoardSupport@michigan.gov).

Comments on these proposed rules may be made at the hearing, by mail, or by electronic mail at the following addresses until 3/19/2024 at 05:00PM.

Department of Licensing and Regulatory Affairs Bureau of Professional Licensing – Boards and Committees Section P.O. Box 30670 Lansing, MI 48909-8170 Attention: Departmental Specialist

Department of Licensing and Regulatory Affairs Bureau of Professional Licensing – Boards and Committees Section P.O. Box 30670 Lansing, MI 48909-8170 Attention: Departmental Specialist

[BPL-BoardSupport@michigan.gov](mailto:BPL-BoardSupport@michigan.gov)

The public hearing will be conducted in compliance with the 1990 Americans with Disabilities Act. If the hearing is held at a physical location, the building will be accessible with handicap parking available. Anyone needing assistance to take part in the hearing due to disability may call 711- to make arrangements.

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**PROPOSED ADMINISTRATIVE RULES**

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DEPARTMENT OF INSURANCE AND FINANCIAL SERVICES

DEBT MANAGEMENT

Filed with the secretary of state on

These rules become effective immediately after filing with the secretary of state unless adopted under section 33, 44, or 45a(9) of the administrative procedures act of 1969, 1969 PA 306, MCL 24.233, 24.244, or 24.245a. Rules adopted under these sections become effective 7 days after filing with the secretary of state.

(By authority conferred on the director of the department of insurance and financial services by section 22 of the debt management act, 1975 PA 148, MCL 451.432)

R 451.1227, R 451.1237, and R 451.1239 of the Michigan Administrative Code are amended, as follows:

R 451.1227 Books and records.

Rule 7. The firm shall make and keep current the following books and records relating to its business:

(a) Journals or other records of original entry containing an itemized daily record of all payments and receipts for, or on behalf of, debtors of the firm, all receipts and disbursements of cash, and all other debits and credits.

(b) Ledgers or other records reflecting all assets, liabilities, income, expense, and capital accounts. **The books and records included in this subdivision are not current unless the firm updates and posts to the books and records at least monthly.**

(c) Ledger accounts or other records, itemizing separately as to each debtor all receipts from the debtor, payments to the firm, and disbursements on behalf of the debtor, the creditor's representative contacted, the response obtained or whether there has been a response within 14 days after the mailing of the creditor consent form, any revised or special conditions or arrangements conditioning the consent, and the date ~~at which~~ the required consents were secured.

(d) A complaint file containing copies of all written complaints made to the firm by debtors.

(e) Personnel files for all employees, listing **the employee's** name, current home address, home phone number, social security number, and a record of all compensation.

R 451.1237 Procedures; review.

Rule 17. (1) Each firm shall prepare and maintain ~~a manual detailing the~~ **written policies and procedures** for compliance with the act.

(2) **Each firm shall provide each**~~Each~~ certified counselor of the firm ~~shall be provided with the manual~~ **written policies and procedures.**

R 451.1239 Budget analysis.

Rule 19. (1) A copy of the budget analysis **required under section 12 of the act, MCL 451.422**, must be retained in the debtor's file for a period of 6 years after the last transaction.

(2) The budget analysis must be signed by a certified counselor of the firm who participated in the preparation of the analysis.

(3) **The budget analysis must identify the type and amount of each debtor's obligation by providing an adequate general description. Adequate general descriptions include "credit card," "unsecured loan," "vehicle loan," "mortgage loan," or other terms similarly identifying the type of debtor's obligation. The terms "other," "miscellaneous," or "generic" are not adequate general descriptions.**

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**NOTICE OF PUBLIC HEARING**

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Department of Insurance and Financial Services  
Financial Institutions  
Administrative Rules for Debt Management  
Rule Set 2023-44 IF

**NOTICE OF PUBLIC HEARING**

Wednesday, April 3, 2024  
10:00AM

Ottawa Building, Conference Room #6  
611 West Ottawa Street, Lansing, Michigan 48933

The Department of Insurance and Financial Services will hold a public hearing to receive public comments on proposed changes to the Debt Management rule set.

This existing rule set, R 451.1221 to R 451.1246, implements and enforces the Debt Management Act (“DMA”), MCL 451.411 to 451.437. The proposed rules would add clarity to firms regulated under the DMA and existing rules by: (1) requiring books and records to be kept current on a monthly basis; (2) updating references to a firm’s “manual” under R 451.1237; (3) clarifying requirements for the licensee’s budget analysis of the debtor; and (4) making other clarifying changes to the regulatory requirements under the DMA.

By authority conferred on the Director of the Department of Insurance and Financial Services by sections 5(5) and 22 of the Debt Management Act, MCL 451.415(5) and 451.432.

The proposed rules will take effect immediately after filing with the Secretary of State. The proposed rules are published on the State of Michigan's website at [www.michigan.gov/ARD](http://www.michigan.gov/ARD) and in the 3/15/2024 issue of the Michigan Register. Copies of these proposed rules may also be obtained by mail or electronic mail at the following email address: [EstradaM1@michigan.gov](mailto:EstradaM1@michigan.gov).

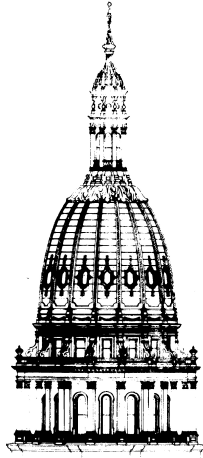
Comments on these proposed rules may be made at the hearing, by mail, or by electronic mail at the following addresses until 4/3/2024 at 05:00PM.

Michele Estrada, Department of Insurance and Financial Services, Office of Appeals, Legal Research, and Market Regulation

Department of Insurance and Financial Services, Office of Appeals, Legal Research, and Market Regulation, P.O. Box 30220 Lansing, MI 48909-7720

[EstradaM1@michigan.gov](mailto:EstradaM1@michigan.gov)

The public hearing will be conducted in compliance with the 1990 Americans with Disabilities Act. If the hearing is held at a physical location, the building will be accessible with handicap parking available. Anyone needing assistance to take part in the hearing due to disability may call 517-284-8735 to make arrangements.



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**ADMINISTRATIVE RULES  
ENROLLED SENATE AND HOUSE BILLS  
SIGNED INTO LAW OR VETOED  
(2024 SESSION)**

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*Mich. Const. Art. IV, §33 provides: “Every bill passed by the legislature shall be presented to the governor before it becomes law, and the governor shall have 14 days measured in hours and minutes from the time of presentation in which to consider it. If he approves, he shall within that time sign and file it with the secretary of state and it shall become law . . . If he does not approve, and the legislature has within that time finally adjourned the session at which the bill was passed, it shall not become law. If he disapproves . . . he shall return it within such 14-day period with his objections, to the house in which it originated.”*

*Mich. Const. Art. IV, §27, further provides: “No act shall take effect until the expiration of 90 days from the end of the session at which it was passed, but the legislature may give immediate effect to acts by a two-thirds vote of the members elected to and serving in each house.”*

*MCL 24.208 states in part:*

*“Sec. 8. (1) The Office of Regulatory Reform shall publish the Michigan register at least once each month. The Michigan register shall contain all of the following:*

\* \* \*

*(b) On a cumulative basis, the numbers and subject matter of the enrolled senate and house bills signed into law by the governor during the calendar year and the corresponding public act numbers.*

*(c) On a cumulative basis, the numbers and subject matter of the enrolled senate and house bills vetoed by the governor during the calendar year.”*



# 2024 Michigan Public Acts Table

Legislative Service Bureau  
Legal Division, Statutory Compiling and Law Publications Unit  
124 W. Allegan, Lansing, MI 48909

February 28, 2024  
Compiled through PA 11 of 2024

PA No.	ENROLLED		I.E.* Yes/No	Governor Approved	Filed Date	Effective Date	SUBJECT
	HB	SB					
0001	4416		Yes	2/21/2024	2/21/2024	2/21/2024	<b>Probate; other</b> , general amendments to the estates and protected individuals code; provide for. (Rep. Graham Filler)
0002	4417		Yes	2/21/2024	2/21/2024	5/21/2024	<b>Vehicles; title</b> , transfer of ownership of vehicle to surviving spouse or heir after owner's death; modify maximum value and adjust for cost of living. (Rep. Graham Filler)
0003	4418		Yes	2/21/2024	2/21/2024	2/21/2024	<b>Probate; other</b> , uniform transfers to minors act; modify amount of transfer allowed. (Rep. Kelly Breen)
0004	4419		Yes	2/21/2024	2/21/2024	5/21/2024	<b>Watercraft; other</b> , eligible for issuance of certificate of title transferring deceased owner's interest; increase maximum value of, subject to Consumer Price Index. (Rep. Kelly Breen)
0005	4845		Yes	2/21/2024	2/21/2024	2/21/2024	<b>Highways; memorial</b> , portion of M-125; designate as the "Captain Joseph M. Liedel Memorial Highway". (Rep. William Bruck)
0006	4325		No	2/21/2024	2/21/2024	**	<b>Environmental protection; other</b> , criminal penalties and civil fines for unlawful dumping of garbage; provide for. (Rep. Helena Scott)
0007	4824		No	2/27/2024	2/27/2024	** #	<b>Administrative procedure; other</b> , cross-reference to administrative procedures act within the natural resources and environmental protection act; update. (Rep. Donovan McKinney)
0008	4825		No	2/27/2024	2/27/2024	** #	<b>Administrative procedure; other</b> , cross-reference to administrative procedures act within the state police retirement act of 1986; update. (Rep. Jenn Hill)

\* - I.E. means Legislature voted to give the Act immediate effect.

\*\* - Act takes effect on the 91st day after sine die adjournment of the Legislature.

\*\*\* - See Act for applicable effective date.

+ - Line item veto.

++ - Pocket veto.

# - Tie bar.

PA No.	ENROLLED		I.E.* Yes/No	Governor Approved	Filed Date	Effective Date	SUBJECT
	HB	SB					
0009	4826		No	2/27/2024	2/27/2024	**	<b><i>Environmental protection; other</i></b> , environmental rules review committee; eliminate. <b>(Rep. Sharon MacDonell)</b>
0010	4677		No	2/27/2024	2/27/2024	**	<b><i>Children; foster care</i></b> , assessments of education facilities at child care institutions; require. <b>(Rep. Stephanie A. Young)</b>
0011	4678		No	2/27/2024	2/27/2024	**	<b><i>Children; child care</i></b> , assessments of education facilities at child care institutions; require. <b>(Rep. Kimberly Edwards)</b>

\* - I.E. means Legislature voted to give the Act immediate effect.

\*\* - Act takes effect on the 91st day after sine die adjournment of the Legislature.

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