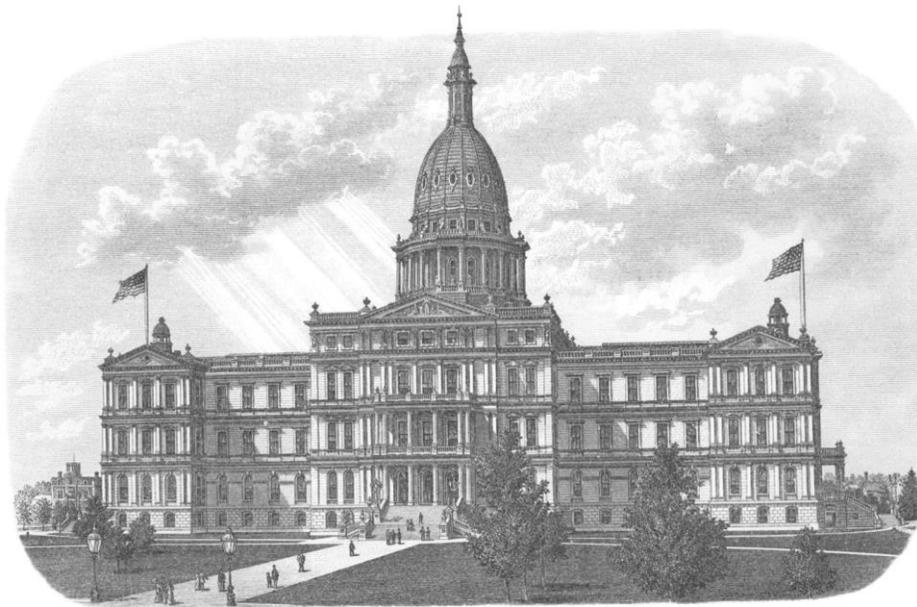


Michigan Register

Issue No. 14– 2015 (Published August 15, 2015)



**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 19th 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. 14— 2015

(This issue, published August 15, 2015, contains
documents filed from July 15, 2015 to August 1, 2015)

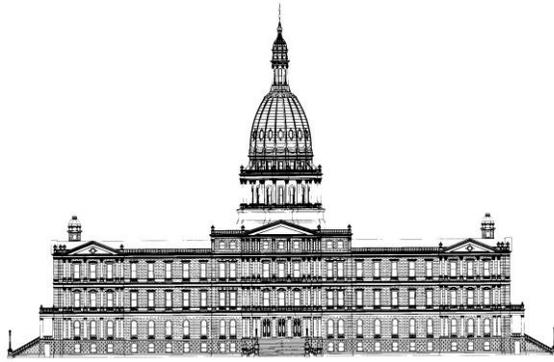
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Office of Regulatory Reinvention

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Mike Zimmer, Director, Licensing and Regulatory Affairs; **Deidre O’Berry**, Administrative Rules Specialist for Operations and Publications.

Rick Snyder, Governor



Brian Calley, Lieutenant Governor

PREFACE

PUBLICATION AND CONTENTS OF THE MICHIGAN REGISTER

The Office of Regulatory Reform 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, 2001 MR 1 refers to the year of issue (2001) and the issue number (1).

CLOSING DATES AND PUBLICATION SCHEDULE

The deadlines for submitting documents to the Office of Regulatory Reinvention 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 Office of Regulatory Reinvention 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, Office of Regulatory Reinvention, Ottawa Building – Second Floor, 611 W. Ottawa Street, Lansing, MI 48909.

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: Office of Regulatory Reinvention, Ottawa Building – Second Floor, 611 W. Ottawa Street, Lansing, MI 48909. Checks Payable: State of Michigan. Any questions should be directed to the Office of Regulatory Reinvention (517) 335-8658.

INTERNET ACCESS

The *Michigan Register* can be viewed free of charge on the Internet web site of the Office of Regulatory Reinvention: www.michigan.gov/orr.

Issue 2000-3 and all subsequent editions of the *Michigan Register* can be viewed on the Office of Regulatory Reinvention Internet web site. 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.

Mike Zimmer, Director
Licensing and Regulatory Affairs

2015 PUBLICATION SCHEDULE

Issue No.	Closing Date for Filing or Submission Of Documents (5 p.m.)	Publication Date
1	January 15, 2015	February 1, 2015
2	February 1, 2015	February 15, 2015
3	February 15, 2015	March 1, 2015
4	March 1, 2015	March 15, 2015
5	March 15, 2015	April 1, 2015
6	April 1, 2015	April 15, 2015
7	April 15, 2015	May 1, 2015
8	May 1, 2015	May 15, 2015
9	May 15, 2015	June 1, 2015
10	June 1, 2015	June 15, 2015
11	June 15, 2015	July 1, 2015
12	July 1, 2015	July 15, 2015
13	July 15, 2015	August 1, 2015
14	August 1, 2015	August 15, 2015
15	August 15, 2015	September 1, 2015
16	September 1, 2015	September 15, 2015
17	September 15, 2015	October 1, 2015
18	October 1, 2015	October 15, 2015
19	October 15, 2015	November 1, 2015
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22	December 1, 2015	December 15, 2015
23	December 15, 2015	January 1, 2016
24	January 1, 2016	January 15, 2016

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Department of Licensing and Regulatory Affairs

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Part 7. Welding and Cutting -CS25-27

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

MCL 24.208 states in part:

“Sec. 8. (1) The Office of Regulatory Reinvention 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.”

ADMINISTRATIVE RULES

DEPARTMENT OF ENVIRONMENTAL QUALITY
REMEDICATION AND REDEVELOPMENT DIVISION
SITE RECLAMATION GRANT/LOAN PROGRAM

Filed with the Secretary of State on August 5, 2015

These rules become effective immediately upon filing with the Secretary of State unless adopted under section 33, 44, or 45a(6) of 1969 PA 306. 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 environmental quality, by sections 19509(1) and 19513 of 1994 PA 451, MCL 324.19509(1) and MCL 324.19513)

R 299.5051, R 299.5052, R 299.5053, R 299.5054, R 299.5055, R 299.5056, R 299.5057, R 299.5058, R 299.5059, R 299.5060, and R 299.5061 of the Michigan Administrative Code are rescinded as follows:

R 299.5051 Rescinded.

R 299.5052 Rescinded.

R 299.5053 Rescinded.

R 299.5054 Rescinded.

R 299.5055 Rescinded.

R 299.5056 Rescinded.

R 299.5057 Rescinded.

R 299.5058 Rescinded.

R 299.5059 Rescinded.

R 299.5060 Rescinded.

R 299.5061 Rescinded.

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

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.”

ADMINISTRATIVE RULES

DEPARTMENT OF LICENSING AND REGULATORY AFFAIRS

DIRECTOR'S OFFICE

CONSTRUCTION SAFETY STANDARDS

Filed with the Secretary of State on

Draft August 3, 2015

These rules become effective immediately upon filing with the Secretary of State unless adopted under section 33, 44, or 45a(6) of 1969 PA 306. 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 19 and 21 of 1974 PA 154, MCL 408.1019 and 408.1021 and Executive Reorganization Order Nos. 1996-2, 2003-1, 2008-4, and 2011-4, MCL 445.2001, 445.2011, 445.2025, and 445.2030)

R 408.41501, R 408.41505, R 408.41510, R 408.41515, R 408.41520, R 408.41521, R 408.41522, R 408.41523, R 408.41524, R 408.41525, R 408.41526, R 408.41527, R 408.41530, R 408.41531, R.408.41540, R 408.41541, R 408.41542, R 408.41543, R 408.41550, R 408.41560, R 408.41561, R 408.41562, R 408.41563, R 408.41564, R 408.41570, R 408.41580, R 408.41590, and R 408.41595 of the Michigan Administrative Code are added, as follows:

PART 15. EXCAVATORS, HOISTS, ELEVATORS, HELICOPTERS, AND CONVEYORS

GENERAL PROVISIONS

R 408.41501 Scope.

Rule 1501. (1) This part applies to mobile hydraulic excavators, personnel hoists, material hoists, elevators, helicopters, conveyors, and variations of such equipment when used during construction operations.

(2) This part applies to equipment included in subrule (1) of this rule when used with any attachment, whether mechanically attached or suspended.

(3) These rules do not cover any of the following:

(a) Equipment included in Construction Safety Standard Part 10 "Cranes and Derricks," as referenced in R 408.41505.

(b) Excavation equipment other than mobile hydraulic excavators, such as wheel loaders and backhoes. This equipment is covered in Construction Safety Standard Part 13 "Mobile Equipment," as referenced in R 408.41505.

R 408.41505 Adopted and referenced standards.

Rule 1505. (1) The following standards are adopted by reference in these rules and are available from IHS Global, 15 Inverness Way East, Englewood, Colorado, 80112, USA, telephone number: 1-800-854-7179 or via the internet at website: <http://global.ihs.com>; at a cost as of the time of adoption of these rules, as stated in this subrule.

(a) Power Crane and Shovel Association (PCSA) standard No. 5 “Mobile Hydraulic Excavator Standards,” 1983 edition and “Referenced Material for PCSA Standards No. 4 and No. 5,” 1982 edition. Cost: \$25.00.

(b) American National Standards Institute (ANSI) standard A10.4 “Safety Requirements for Personnel Hoists and Employee Elevators for Construction and Demolition Operations,” 2004 edition. Cost: \$128.00.

(c) ANSI/American Society of Safety Engineers standard (ASSE) A10.5 “Safety Requirements for Material Hoists,” 1992 edition. Cost: \$69.00.

(d) ANSI/American Society of Mechanical Engineers (ASME) A17.1 “Safety Code for Elevators and Escalators, Includes Requirements for Elevators, Escalators, Dumbwaiters, Moving Walks, Material Lifts, and Dumbwaiters with Automatic Transfer Devices,” 1965 edition with addenda A17.1a-1967, A17.1b-1968, A17.1c-1969, and A17.1d-1970. Cost: \$281.00.

(e) ANSI/ASME A17.2 “Guide for Inspection of Elevators, Escalators, and Moving Walks - Includes Inspection Procedures for Electric Traction and Winding Drum Elevators, Hydraulic Elevators, Inclined Elevators, Private Residence Elevators, and Escalators and Moving Walks,” 1960 edition with addenda A17.2a-1965, and A17.2b-1967. Cost: \$96.00.

(f) ANSI B20.1, “Safety Standard for Conveyors, and Related Equipment,” 1999 edition. Cost: \$52.00.

(2) The standards adopted in these rules are available for inspection at the Department of Licensing and Regulatory Affairs, MIOSHA Regulatory Services Section, 7150 Harris Drive, Lansing, Michigan, 48909-8143.

(3) Copies of the standards adopted in these rules may be obtained from the publisher or may be obtained from the Department of Licensing and Regulatory Affairs, MIOSHA Regulatory Services Section, 7150 Harris Drive, Lansing, Michigan, 48909-8143, at the cost charged in this rule, plus \$20.00 for shipping and handling.

(4) The following Michigan occupational safety and health standards (MIOSHA) are referenced in these rules. Up to 5 copies of these standards may be obtained at no charge from the Michigan Department of Licensing and Regulatory Affairs, MIOSHA Regulatory Services Section, 7150 Harris Drive, Lansing, Michigan, 48909-8143 or via the internet at:

www.michigan.gov/mioshastandards. For quantities greater than 5, the cost, at the time of adoption of these rules, is 4 cents per page.

(a) Construction Safety Standard Part 10 “Cranes and Derricks,” R 408.41001 to R 408.41099a.

(b) Construction Safety Standard Part 13 “Mobile Equipment,” R 408.41301.

(c) Construction Safety Standard Part 18 “Fire Protection and Prevention,” R 408.41801 to R 408.41884.

(d) Construction Safety Standard Part 22 “Signals, Signs, Tags, and Barricades,” R 408.42201 to R 408.42243.

R 408.41510 Definitions; Generally

Rule 1510. (1) “Competent person” means a person who is trained, experienced, and capable of identifying existing or potential hazards in the surroundings or under working conditions that are

unsanitary, hazardous, or dangerous to employees, and who has the authority to take prompt corrective measures to eliminate them.

(2) "Operator" means a person who is operating the equipment.

(3) "Power lines" means electric transmission and distribution lines.

(4) "Qualified person" means a person who, through attainment of a recognized degree or certificate of professional standing or by extensive knowledge, training, and experience, has successfully demonstrated the ability to solve or resolve problems relating to the subject matter and work.

R 408.41515 Power line clearances; generally.

Rule 1515. (1) When working in proximity to power lines, all equipment covered by this part shall maintain clearances as prescribed in Table A "Minimum Clearance Distances."

(2) When traveling with no load in proximity to power lines, all equipment covered by this part shall maintain clearances as prescribed in Table B "Minimum Clearance Distances While Traveling with No Load."

(3) The employer shall designate an employee to observe the clearance and give timely warning if it is difficult for the operator to maintain the prescribed clearance by visual means.

TABLE A MINIMUM CLEARANCE DISTANCES	
Voltage (nominal, kV, alternating current)	Minimum clearance distance (feet)
up to 50	10
over 50 to 200	15
over 200 to 350	20
over 350 to 500	25
over 500 to 750	35
over 750 to 1,000	45
over 1,000	(as established by the utility owner or operator or registered professional engineer who is a qualified person with respect to electrical power transmission and distribution)
Note: The value that follows "to" is up to and includes that value. For example, over 50 to 200 means up to and including 200kV.	

TABLE B MINIMUM CLEARANCE DISTANCES WHILE TRAVELING WITH NO LOAD	
Voltage (nominal, kV, alternating current)	Minimum clearance distance (feet) while traveling
Up to 0.75	4
Over .75 to 50	6
Over 50 to 345	10

Over 345 to 750	16
Over 750 to 1,000	20
Over 1,000	(as established by the utility owner or operator or registered professional engineer who is a qualified person with respect to electrical power transmission and distribution)

EXCAVATORS

R 408.41520 Scope.

Rule 1520. This section applies to mobile hydraulic excavators when used during construction operations.

R 408.41521 Definition.

Rule 1521. “Excavator”, for the purposes of this standard, means mobile hydraulic excavator, either crawler or rubber-tire mounted. An excavator is a self-propelled machine with an upper structure capable of continuous rotation and which digs, elevates, swings, and dumps material by action of the boom and arm or telescoping boom with bucket. Equipment that does not rotate 360 degrees, such as rubber-tired backhoe, is not considered to be an excavator.

R 408.41522 Operator training.

Rule 1522. An employer shall assure that a prospective operator, before being assigned as an operator of an excavator, has been trained in all of the following areas:

- (a) The capabilities of equipment and attachments.
- (b) The purpose, use, and limitations of controls.
- (c) The making of daily inspections.

R 408.41523 Inspection requirements.

Rule 1523. (1) A thorough, annual inspection of all excavators shall be made by a qualified person. An employer shall maintain, on the jobsite or attached to the equipment, a copy of the latest equipment inspection record with the date and results for each piece of equipment.

(2) The inspection procedure for excavators in regular service is divided into 2 general classifications based upon the intervals and inspection that should be performed. The intervals in turn are dependent upon the nature of the critical components of the excavator and the degree of their exposure to wear, deterioration, or malfunction. The 2 general classifications are designated in these rules as “frequent” and “periodic,” with respective intervals between inspections as follows:

- (a) Frequent inspection – daily to monthly intervals.
- (b) Periodic inspection – 1 to 12-month intervals, or as specifically recommended by the manufacturer.
- (3) All of the following items on all boom-equipped excavators shall be inspected at frequent intervals:

- (a) All control mechanisms shall be inspected daily for maladjustment that interferes with proper operation.

(b) All control mechanisms shall be inspected daily for excessive wear of components and contamination by lubricants or other foreign matter.

R 408.41524 Fire protection.

Rule 1524. A portable fire extinguisher with a rating of not less than 10BC shall be kept in the cab or operating enclosure or within a 200-foot radius of the excavator.

R 408.41525 Hand signals.

Rule 1525. When using hand signals, the signal person, operator, or lift director shall use 1 of the following methods:

(a) Standard hand signals for excavators as shown in Appendix A.

(b) Non-standard hand signals. When used, the signal person, operator, and lift director, when there is one, shall contact each other prior to the operation and agree on the non-standard hand signals that will be used.

R 408.41526 Operations.

Rule 1526. (1) An operator shall not leave an excavator unattended with the boom or load suspended above the ground, floor, or platform during working operations. The operator shall not leave a bucket or blade suspended above the ground when a machine is unattended.

(2) Windows of an excavator shall be equipped with safety glass or its equivalent. Visual distortions that are caused by broken or defective glass and which would affect the safe operation of the equipment when in use shall be corrected.

(3) An employee shall not be permitted under a suspended load.

(4) The boom or bucket shall not be used for hoisting or transporting employees.

(5) An excavator shall not be loaded beyond the rated load.

(6) Hooks that are attached to the bucket or boom that are used for hoisting material shall be equipped with self-closing latches or their equivalent where employees are exposed.

(7) Materials being hoisted shall be rigged to prevent unintentional displacement.

(8) A load shall not be moved in a manner that could contact obstructions.

(9) An employer shall comply with the requirements of the Power Crane and Shovel Association (PCSA) standard No. 5 “Mobile Hydraulic Excavator Standards,” 1983 edition and “Referenced Material for PCSA Standards No. 4 and No. 5”, 1982 edition as adopted in R 408.41505.

R 408.41527 Pinch point and struck by protection.

Rule 1527. If an employee could be struck by the rotating superstructure of an excavator or if clearances between the rotating or moving structure of an excavator can create a pinch point for an employee, the employer shall do either of the following:

(a) Barricade the hazardous area.

(b) Train and instruct each employee to stay out of the danger area and require a danger sign, as prescribed in Construction Safety Standard Part 22 “Signals, Signs, Tags, and Barricades,” as referenced in R 408.41505, be affixed to the rear and sides of the house and counterweight. The danger sign shall have additional lettering to indicate that the counterweight is swinging.

HOISTS AND ELEVATORS

R 408.41530 Scope; material hoists, personnel hoists, and elevators.

Rule 1530. This section applies to material hoists, personnel hoists, and elevators when used during construction operations.

R 408.41531 Definitions.

Rule 1531. (1) "Audible signal" means a signal made by a distinct sound or series of sounds. Examples include, but are not limited to, sounds made by a bell, horn, or whistle.

(2) "Base" means the mounting flanges or feet for attachment of a hoist to the machine's supporting structure or foundation.

(3) "Base-mounted drum hoist" means a self-contained lifting unit that has a motor, a drum to receive the lifting cable, and mounting flanges for anchoring.

(4) "Crosshead" means an overhead structural member that supports the hoist platform to which the hoisting or load cables are attached.

(5) "Elevator" means, for the purposes of this standard, a permanently installed or existing passenger or freight elevator used for construction operations.

(6) "Hoist" means a system of power driven drums, gears, cables, chains, or hydraulic cylinders capable of lifting and lowering loads.

(7) "Hoist car" means the load-carrying unit, including its platform, car frame, car enclosure, and car door or gate.

(8) "Hoist tower" means a vertical structure used to support or house the platform and cab of an elevator or hoist.

(9) "Hoisting" means the act of raising, lowering, or otherwise moving a load in the air with equipment covered by this standard. As used in this standard, "hoisting" can be done by means other than wire rope/hoist drum equipment.

(10) "Lockout device" means a positive mechanical method for disconnecting the power supply.

(11) "Material hoist" means a mechanism for use in the hoisting or lowering of construction or demolition material only. A material hoist is equipped with a platform, car, cage, or bucket that moves vertically on guide members.

(12) "Personnel hoist" means a mechanism and its hoistway that is used for raising or lowering personnel or materials, or both, during construction operations, and is equipped with a car that moves vertically on guide members.

(13) "Rated load" for material hoists, personnel hoists, and elevators means the maximum load permitted by the manufacturer's specifications and by sections 1 to 24 of 1967 PA 227, 408.824, and sections 1 to 10 of 1976 PA 333, MCL 338.2151 to 338.2160, respectively.

(14) "Running rope" means a rope that travels around sheaves or drums.

(15) "Signal system" means an audible or visual method of communication between the equipment operator and the persons on the landing or floors.

(16) "Standing rope" including guy rope, means a supporting rope that maintains a constant distance between the points of attachment to the 2 components connected by the rope.

(17) "Tie-in" means a rigid device used to affix the hoist tower to the structure.

(18) "Wire rope" means a flexible rope constructed by laying steel wires into various patterns of multi-wired strands around a core system to produce a helically wound rope.

GENERAL REQUIREMENTS FOR MATERIAL HOISTS, PERSONNEL HOISTS, AND ELEVATORS

R 408.41540 Operator training and conduct.

Rule 1540. (1) An employer shall limit the operation of material hoists, personnel hoists, and elevators to the following entities:

(a) An employee who has been trained and qualified to operate the hoisting equipment to which the employee is assigned.

(b) Authorized maintenance personnel when performing their duties.

(2) Before assignment, an employer shall assure that an operator of a material and personnel hoist has been trained in all of the following areas:

(a) The capabilities of the equipment.

(b) The purpose, use, and limitations of the controls.

(c) How to conduct daily inspections.

(d) Operational practices of the assigned equipment through its functions necessary to perform the required job.

(e) Applicable state standards and company rules and regulations.

(3) An operator shall not engage in any practice that will divert his or her attention while engaged in operating a material hoist, personnel hoist, or elevator.

(4) Each operator shall be responsible for those operations under the operator's direct control. When there is any doubt as to safety, the operator shall stop operations and consult with the supervisor before continuing work.

(5) An operator shall not leave the equipment unattended unless it has been secured and rendered inoperable in the operator's absence.

(6) When controls are locked out for maintenance or for repair purposes, an equipment operator shall not start operations until the lock has been removed by the person or persons responsible for the safe operation.

(7) If a malfunction occurs during the operation of the equipment and the door remains locked, the operator and all other personnel shall remain in the hoist car until the operation is restored.

(8) An operator shall be familiar with the equipment and its proper care. If adjustments or repairs are necessary or if any defects are evident, the operator shall report the repairs or defects to the responsible supervisor and also notify the next operator of the equipment status.

(9) A hoist operator shall ensure that the rated capacity of the hoist is not exceeded.

R 408.41541 Signaling.

Rule 15341. (1) A signal system shall be established and communicated to all affected employees prior to hoisting operations.

(2) The signal system shall be posted at the operator station of the hoist.

R 408.41542 Wire rope.

Rule 1542. (1) Wire rope used for material hoists, personnel hoists, and elevators shall be removed from service when any of the following conditions exists:

(a) In hoisting ropes and running ropes, 6 randomly distributed broken wires in 1 rope lay or 3 broken wires in 1 strand in 1 rope lay.

(b) Abrasion, scrubbing, flattening, peening, kinking, crushing, bird caging, or any other damage resulting in distortion of the rope structure and causing loss of more than 1/3 of the original diameter of the outside wires.

(c) Evidence of any heat damage from any cause, including damage resulting from a torch or any damage caused by contact with electrical wires.

(d) Reduction from nominal diameter of more than 3/64 inch for diameters up to and including 3/4 inch; 1/16 inch for diameters 7/8 to 1-1/8 inches; and 3/32 inch for diameters 1-1/4 to 1-1/2 inches.

(e) In standing ropes, more than 2 broken wires in 1 lay in sections beyond end connections or more than 1 broken wire at an end connection.

(2) Hoisting ropes shall be installed in accordance with the wire rope manufacturers' recommendations.

(3) A wire rope shall be in compliance with all of the following requirements:

(a) The minimum number of hoisting ropes used shall be 3 for traction hoists and 2 for drum-type hoists.

(b) The minimum diameter of hoisting and counterweight wire ropes shall be 1/2-inch.

(c) Not less than 2 ropes shall be used for the counterweights on the rack and pinion.

(d) Safety factors shall be as in Table C "Minimum Factors of Safety for Suspension Wire Ropes:"

(e) The following formula shall be used to calculate the allowable gross load:

$$L = \frac{SN}{F}$$

- L = Allowable gross load
- S = Manufacturer's rated breaking strength
- N = Number of parts of rope
- F = Safety factor

TABLE C MINIMUM FACTORS OF SAFETY FOR SUSPENSION WIRE ROPES	
Rope speed in feet per minute	Minimum Factor of safety
50	7.60
75	7.75
100	7.95
125	8.10
150	8.25
175	8.40
200	8.60
225	8.75
250	8.90
300	9.20
350	9.50
400	9.75
450	10.00
500	10.25
550	10.45

600	10.70
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R 408.41543 Manufacturer specifications; rated load; safety devices; postings.

Rule 1543. (1) An employer shall comply with the manufacturer's specifications and limitations applicable to the operation of all material hoists and personnel hoists. If the manufacturer's specifications are not available, then the limitations assigned to the equipment shall be determined by a qualified person who is competent in the field and shall be based on the requirements of ANSI A10.4 "Safety Requirements for Personnel Hoists and Employee Elevators for Construction and Demolition operations," 2004 edition and ANSI A10.5 "Safety Requirements for Material Hoists," 1992 edition, as adopted by reference in R 408.41505. A determination shall be documented and recorded.

(2) Attachments used shall not exceed the capacity, rating, or scope recommended by the manufacturer.

(3) The rated load capacities, recommended operating speeds, and special hazard warnings or instructions shall be posted on hoist cars.

(4) Safety devices shall not be altered or bypassed unless under the direct supervision of a qualified person.

(5) The installation of live booms on hoists is prohibited.

(6) An employer shall ensure that hoisting equipment and accessories are maintained in a condition that will not endanger an operator or other employees.

MATERIAL HOISTS – ADDITIONAL REQUIREMENTS

R 408.41550 Material hoist requirements.

Rule 1550. (1) The material hoist requirements contained in this rule are in addition to the general requirements contained in R 408.41540 to R 408.41543.

(2) An employer shall ensure that operating rules are established and posted at the operator's station of the hoist. Such rules shall include signal system and allowable line speed for various loads. Rules and notices shall be posted on the car frame or crosshead in a conspicuous location, including the statement "No Riders Allowed."

(3) A person shall not be allowed to ride on a material hoist, except for inspection and maintenance.

(4) An overhead protective covering of 2-inch planking or other solid material of equivalent strength shall be provided on the top of every material hoist car.

(5) All entrances of the hoistway shall be protected by substantial gates or bars that shall guard the full width of the landing entrance from floor to ceiling. All hoistway entrance bars and gates shall be painted with diagonal contrasting colors, such as black and yellow stripes.

(6) Gates or bars protecting the entrance to a hoistway shall be equipped with a latching device and be not more than 4 inches from the edge of the landing sill. A gate shall extend a minimum of 6 feet 8 inches above the floor.

(7) An operator's station of a hoisting machine shall have overhead protection equivalent to tight planking that is not less than 2 inches thick. The support for the overhead protection shall be of equal strength.

(8) A hoist tower may be used with or without enclosures on all sides. However, whichever alternative is chosen, all of the following applicable conditions shall be met:

(a) When a hoist tower is enclosed, it shall be enclosed on all sides for its entire height with a screen enclosure of not more than 1/2-inch mesh of no. 18 U.S. gauge wire or equivalent, except for a landing access.

(b) When a hoist tower is not enclosed, the hoist platform, car, or cab shall be totally enclosed or caged on all sides for the full height between the floor and the overhead protective covering with 1/2-inch mesh of no. 14 U.S. gauge wire or equivalent. The hoist car enclosure shall include the required gates for loading and unloading. An 8-foot high enclosure shall be provided on the unused sides of the hoist tower at ground level.

(9) Car arresting devices shall be installed to function in case of rope failure and shall be tested at 90-day intervals.

(10) All material hoist towers shall be designed by a licensed professional engineer.

(11) All material hoists shall conform to the requirements of ANSI/ASSE A10.5 "Safety Requirements for Material Hoists," 1992 edition, as adopted in R 408.41505.

PERSONNEL HOISTS AND ELEVATORS - ADDITIONAL REQUIREMENTS

R 408.41560 Personnel hoist and elevator requirements.

Rule 1560. (1) The personnel hoist requirements contained in this rule to R 408.41564 "Elevators; endless belt-type manlifts" are in addition to the general requirements contained in R 408.41540 "Operator training and conduct" through R 408.41543 "Manufacturer specifications; rated load; safety devices; postings."

(2) An employer shall ensure that an employee who is specifically engaged in installing personnel hoists or elevators is licensed by the state of Michigan in accordance with sections 1 to 24 of 1967 PA 227, MCL 408.801 to 408.824, and sections 1 to 10 of 1976 PA 333, MCL 338.2151 to 338.2160, respectively, and the rules of the department of licensing and regulatory affairs relating to elevators.

R 408.41561 Inspections and testing.

Rule 1561. (1) An inspection and test of all functions and safety devices of personnel hoists and elevators shall be made by a person who meets the criteria of both a competent and qualified person, or a competent person who is assisted by 1 or more qualified persons as prescribed by the following:

- (a) Before being put into service.
- (b) Following a major alteration of an existing installation.
- (c) At not more than 90-day intervals.

(2) An employer shall prepare a certification record that includes all of the following information:

- (a) The date of the inspection and test of all functions and safety devices that were performed.
- (b) The signature of the person who performed the inspection and tests.
- (c) A serial number or other identifier for the hoist that was inspected and tested. The most recent certification record shall be maintained on file on the jobsite.

(3) In addition to the requirements in subrule (1) of this rule, personnel hoists and elevators shall have a load safety test performed by a licensed elevator contractor in the presence of a State of Michigan elevator inspector every 90 days as required by ANSI A10.4 "Safety Requirements for Personnel Hoists and Employee Elevators for Construction and Demolition Operations," 2004 edition, as adopted by reference in R 408.41003a.

(4) All control mechanisms shall be inspected daily for misadjustments that might interfere with proper operation and for excessive wear of components.

R 408.41562 General requirements.

Rule 1562. (1) A hoist tower outside the structure shall be enclosed for the full height on the side or sides used to enter and exit the structure. At the lowest landing, the enclosure on the sides not used to exit or enter the structure shall be enclosed to a height of not less than 10 feet. Other sides of the tower adjacent to floors or scaffold platforms shall be enclosed to a height of 10 feet above the level of the floors or scaffolds.

(2) A hoistway inside a structure shall be enclosed on all 4 sides throughout the full travel of the hoistway.

(3) A hoist tower shall be anchored to the structure at intervals of not more than 25 feet in height. When tie-ins are not practical, the tower shall be anchored by means of guys which are made of wire rope that is not less than 1/2 of an inch in diameter and which are securely fastened to the anchorage to ensure stability.

(4) Hoistway doors or gates shall be not less than 6 feet 6 inches high, be provided with mechanical locks that cannot be operated from the landing side, and be accessible only to persons on the hoist car.

(5) A hoist car shall be permanently enclosed on all sides and the top, except for sides used for entry and exit and sides that have gates or doors.

(6) A door or gate shall be provided at each entrance to the hoist car and shall protect the full width and height of the hoist car entrance opening.

(7) An overhead protective covering that consists of 2-inch planking or other solid material of equivalent strength shall be provided on the top of every personnel hoist car.

(8) Doors or gates shall have electric contacts that do not allow movement of the hoist when a door or gate is open.

(9) A car safety device shall be installed and shall be capable of stopping and holding the hoist car and the rated load when traveling at governor-tripping speed.

(10) A hoist car shall have a capacity and data plate secured in a conspicuous place on the car or crosshead.

(11) Internal combustion engines shall not be permitted for direct drive.

(12) Normal and final terminal stopping devices shall be provided. Final terminal stopping devices shall be installed in the hoistway and shall be mechanically operated.

(13) An emergency stop switch shall be provided in the hoist car and marked "STOP."

(14) All personnel hoists used by employees shall be constructed of materials and components that are in compliance with the specifications for materials, construction, safety devices, assembly, and structural integrity as stated in ANSI standard A10.4 "Safety Requirements for Personnel Hoists and Employee elevators for Construction and Demolition Operations," 2004 edition, as adopted in R 408.41505.

R 408.41563 Bridge tower construction personnel hoists.

Rule 1563. (1) A personnel hoist that is used in bridge tower construction shall be approved by a registered professional engineer and installed in accordance with R 408.41560(2).

(2) When a hoist tower is not enclosed, the car or hoist platform shall be totally enclosed or caged on all sides for the full height between the floor and the overhead protective covering with not less than 3/4-inch mesh of no. 14 U.S. gauge wire or equivalent. The hoist car enclosure shall include the required gates for loading and unloading.

(3) An employer shall ensure that hoists are inspected for defects, serviced, and maintained on a weekly basis, and repaired as necessary. If the hoisting equipment is exposed to winds of more than 35 miles per hour, authorized personnel must inspect and repair the hoisting equipment if necessary before reuse.

R 408.41564 Elevators; endless belt-type manlifts.

Rule 1564. (1) Permanent elevators under the care and custody of the employer and used by employees for work covered by this act shall comply with the requirements of ANSI/ASME A17.1 “Safety Code for Elevators and Escalators, Includes Requirements for Elevators, Escalators, Dumbwaiters, Moving Walks, Material Lifts, and Dumbwaiters with Automatic Transfer Devices,” 1965 edition with addenda A17.1a-1967, A17.1b-1968, A17.1c-1969, and A17.1d-1970, and inspected in accordance with ANSI/ASME A17.2 “Guide for Inspection of Elevators, Escalators, and Moving Walks - Includes Inspection Procedures for Electric Traction and Winding Drum Elevators, Hydraulic Elevators, Inclined Elevators, Private Residence Elevators, and Escalators and Moving Walks,” 1960 edition with addenda A17.2a-1965, and A17.2b-1967, as adopted in R 408.41505.

(2) When multiple permanent elevators are available and 1 elevator is being used for construction or renovation purposes, that elevator shall be for the exclusive use of construction personnel and shall be operated by a designated operator. The elevator signal system shall be separate from any other elevators.

(3) The use of endless belt-type manlifts for construction is prohibited.

BASE-MOUNTED DRUM HOISTS

R 408.41570 Base-mounted drum hoists, general requirements.

Rule 1570. (1) Exposed moving parts, such as gears, projecting screws, setscrews, chain, cables, chain sprockets, and reciprocating or rotating parts, which constitute a hazard, shall be guarded.

(2) All controls used during the normal operation cycle shall be located within easy reach of the operator's station.

(3) An employer shall ensure that electric motor operated hoists are provided with all of the following:

(a) A device to disconnect all motors from the line upon power failure and not permit any motor to be restarted until the controller handle is brought to the "off" position.

(b) Where applicable, an overspeed preventive device.

(c) A means whereby remotely operated hoists stop when any control is ineffective.

(4) All base-mounted drum hoists in use shall meet the applicable requirements for design, construction, installation, testing, inspection, maintenance, and operations, as prescribed by the manufacturer.

(5) This section does not apply to base-mounted drum hoists used in conjunction with derricks. Base-mounted drum hoists used in conjunction with derricks shall conform to Construction Safety Standard Part 10 “Cranes and Derricks,” as referenced in R 408.41505.

OVERHEAD HOISTS

R 408.41580 Overhead hoists, general requirements.

Rule 1580. (1) The safe working load of the overhead hoist, as determined by the manufacturer, shall be indicated on the hoist and shall not be exceeded.

(2) The supporting structure to which the hoist is attached shall have a safe working load equal to the working load of the hoist.

(3) The support shall be arranged so as to provide for free movement of the hoist and shall not restrict the hoist from lining itself up with the load.

(4) The hoist shall be installed only in locations that will permit the operator to stand clear of the load at all times.

(5) Air hoists shall be connected to an air supply of sufficient capacity and pressure to safely operate the hoist. All air hoses supplying air shall be positively connected to prevent the air hose becoming disconnected during use.

(6) All overhead hoists in use shall meet the applicable requirements for construction, design, installation, testing, inspection, maintenance, and operation, as prescribed by the manufacturer.

HELICOPTERS

R 408.41590 Helicopters; general requirements.

Rule 1590. (1) This section applies to helicopters used during construction operations.

(2) Helicopter cranes must comply with any applicable regulations of the federal aviation administration.

(3) Prior to each day's operation a briefing shall be conducted by the pilot, ground crew, general contractor overseeing the work, and any sub-contractors involved. This briefing shall set forth the plan of operation for the pilot and ground personnel.

(4) A load shall be properly slung. Tag lines shall be of a length that will not permit the tag line being drawn up into rotors. Pressed sleeve, swedged eyes, or equivalent means shall be used for all freely suspended loads to prevent hand splices from spinning open or cable clamps from loosening.

(5) All electrically operated cargo hooks shall have the electrical activating device so designed and installed as to prevent inadvertent operation. In addition these cargo hooks shall be equipped with an emergency mechanical control for releasing the load. The hooks shall be tested prior to each day's operation by the helicopters employees, pilot, or mechanic, to determine that the release functions properly both electrically and mechanically.

(6) Personal protective equipment shall meet the following requirements:

(a) Personal protective equipment for employees receiving the load shall consist of complete eye protection and hard hats secured by chinstraps.

(b) An employee shall not wear loose-fitting clothing likely to flap in the downwash, and thus be snagged on hoist line.

(7) An employer shall ensure that every practical precaution is taken to provide for the protection of the employees from flying objects in the rotor downwash. All loose gear within 100 feet of the place of lifting the load, depositing the load, and all other areas susceptible to rotor downwash shall be secured or removed.

(8) An employer shall ensure that good housekeeping shall be maintained in all helicopter loading and unloading areas.

(9) The helicopter operator shall be responsible for size, weight, and manner in which loads are connected to the helicopter. If, for any reason, the helicopter operator believes the lift cannot be made safely, the lift shall not be made.

(10) When employees are required to perform work under hovering craft, a safe means of access shall be provided for employees to reach the hoist line hook and engage or disengage cargo

slings. Employees shall not perform work under hovering craft except when necessary to hook or unhook loads.

(11) Static charge on the suspended load shall be dissipated with a grounding device before ground personnel touch the suspended load, or protective rubber gloves shall be worn by all ground personnel touching the suspended load.

(12) The weight of an external load shall not exceed the manufacturer's rating.

(13) Hoist wires or other gear, except for container or roll off a reel, shall not be attached to any fixed ground structure, or allowed to foul on any fixed structure.

(14) When visibility is reduced by dust or other conditions, ground personnel shall exercise special caution to keep clear of main and stabilizing rotors. An employer shall take precautions to eliminate as far as practical reduced visibility.

(15) Signal systems between aircrew and ground personnel shall be understood and checked in advance of hoisting the load. This requirement applies to either radio or hand signal systems. When using hand signals, one of the following methods shall be used:

(a) Standard helicopter hand signals as shown in Appendix B.

(b) Non-standard hand signals. When used, the signal person, operator, and lift director, when there is one, shall contact each other prior to the operation and agree on the non-standard hand signals that will be used.

(16) No unauthorized person shall be allowed to approach within 50 feet of the helicopter when the rotor blades are turning.

(17) Whenever approaching or leaving a helicopter with blades rotating, all employees shall remain in full view of the pilot and keep in a crouched position. Employees shall avoid the area from the cockpit or cabin rearward unless authorized by the helicopter operator to work in the area.

(18) An employer shall ensure that sufficient ground personnel are provided when required for safe helicopter loading and unloading operations.

(19) There shall be constant reliable communication between the pilot and a designated employee of the ground crew who acts as a signalman during the period of loading and unloading. This signalman shall be distinctly recognizable from other ground personnel.

(20) Open fires shall not be permitted in an area that could result in such fires being spread by the rotor downwash.

CONVEYORS

R 408.41595 Conveyors; general requirements.

Rule 1595. (1) This section applies to conveyors when used during construction operations.

(2) Means for stopping the motor or engine shall be provided at the operator's station. Conveyor systems shall be equipped with an audible warning signal to be sounded immediately before starting up the conveyor.

(3) If the operator's station is at a remote point, the employer shall provide similar provisions for stopping the motor or engine at the motor or engine location.

(4) Emergency stop switches shall be arranged so that the conveyor cannot be started again until the actuating stop switch has been reset to running or "on" position.

(5) Screw conveyors shall be guarded to prevent employee contact with turning flights.

(6) Where a conveyor passes over work areas, aisles, or thoroughfares, the employer shall provide suitable guards to protect employees required to work below the conveyors.

(7) The employer shall ensure that all crossovers, aisles, and passageways are conspicuously marked by suitable signs, as required by Construction Safety Standard Part 22 “Signals, Signs, Tags, and Barricades,” as referenced in R 408.41505.

(8) The employer shall ensure that conveyors are locked out or otherwise rendered inoperable, and tagged out with a "DO NOT OPERATE" tag during repairs and when operation is hazardous to employees performing maintenance work.

(9) All conveyors in use shall meet the applicable requirements for design, construction, inspection, testing, maintenance, and operation, as prescribed in the ANSI B20.1, “Safety Standard for Conveyors, and Related Equipment,” 1999 edition, as adopted in R 408.41505.

ADMINISTRATIVE RULES

DEPARTMENT OF LICENSING AND REGULATORY AFFAIRS

DIRECTOR'S OFFICE

CONSTRUCTION SAFETY AND HEALTH STANDARDS

Filed with the Secretary of State on

Draft August 5, 2015

These rules become effective immediately upon filing with the Secretary of State unless adopted under section 33, 44, or 45a(6) of 1969 PA 306. 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 14, 19, 21, and 24 of 1974 PA 154, MCL 408.1014, 408.1019, 408.1021, and 408.1024, and Executive Reorganization Order Nos. 1996-2, 2003-1, 2008-4, and 2011-4, MCL 445.2001, 445.2011, 445.2025, and 445.2030)

R 408.43501, R 408.43505, and R 408.43510 are added to the Michigan Administrative Code as follows:

PART 35. CONFINED SPACE IN CONSTRUCTION

R 408.43501 Scope.

Rule 3501. (1) This standard sets forth requirements for practices and procedures to protect employees engaged in construction activities at a worksite with 1 or more confined spaces, subject to the exceptions in subrule (2) of this rule. Examples of locations where confined spaces may occur include, but are not limited to, those listed in table 1:

TABLE 1 EXAMPLES OF LOCATIONS WHERE CONFINED SPACES MAY OCCUR
Bins
Boilers
Pits, such as elevator, escalator, pump, valve or other equipment
Manholes, such as sewer, storm drain, electrical, communication, or other utility
Tanks, such as fuel, chemical, water, or other liquid, solid or gas
Incinerators
Scrubbers
Concrete pier columns
Sewers
Transformer vaults
Heating, ventilation, and air-conditioning (HVAC) ducts
Storm drains
Water mains
Precast concrete and other pre-formed manhole units
Drilled shafts
Enclosed beams
Vessels
Digesters
Lift Stations
Cesspools
Silos
Air receivers
Sludge gates
Air preheaters
Step up transformers
Turbines
Chillers
Bag houses
Mixers, such as reactors

(2) This standard does not apply to any of the following:

- (a) Construction work regulated by Construction Safety Standard Part 9 “Excavation, Trenching, and Shoring.”
- (b) Construction work regulated by Construction Safety Standard Part 14 “Tunnels, Shafts, Caissons, and Cofferdams.”
- (c) Construction work regulated by Occupational Health Standard Part 504 “Diving Operations.”
- (d) Construction work regulated by Occupational Health Standard Part 665 “Underground Construction, Caissons, Cofferdams, and Compressed Air.”

(3) When this standard applies and there is a provision that addresses a confined space hazard in another applicable standard, the employer shall comply with both that requirement and the applicable provisions of this standard.

(4) The following provisions of the occupational safety and health administration (OSHA) regulations, except as amended in these rules, are adopted by reference in these rules:

- (a) 1926.1202 “Definitions.”
- (b) 1926.1203 “General requirements.”
- (c) 1926.1204 “Permit-required confined space program.”
- (d) 1926.1205 “Permitting process.”
- (e) 1926.1206 “Entry permit.”
- (f) 1926.1207 “Training.”
- (g) 1926.1208 “Duties of authorized entrants.”
- (h) 1926.1209 “Duties of attendants.”
- (i) 1926.1210 “Duties of entry supervisors.”
- (j) 1926.1211 “Rescue and emergency services.”
- (k) 1926.1212 “Employee participation.”

R 408.43505 Provision of documents.

Rule 3505. For each document required to be retained in this standard, the retaining employer must make the document available on request to the director of the department of licensing and regulatory affairs or his or her designee.

R 408.43510 Adopted and referenced standards.

Rule 3510. (1) The following federal occupational safety and health administration (OSHA) regulations, that are effective August 3, 2015, are adopted by reference in these rules:

- (a) 1926.1202 “Definitions.”
- (b) 1926.1203 “General requirements.”
- (c) 1926.1204 “Permit-required confined space program.”
- (d) 1926.1205 “Permitting process.”
- (e) 1926.1206 “Entry permit.”
- (f) 1926.1207 “Training.”
- (g) 1926.1208 “Duties of authorized entrants.”
- (h) 1926.1209 “Duties of attendants.”
- (i) 1926.1210 “Duties of entry supervisors.”
- (j) 1926.1211 “Rescue and emergency services.”
- (k) 1926.1212 “Employee participation.”

(2) The standards adopted in this rule are available from the United States Department of Labor, Occupational Safety and Health Administration website: www.osha.gov, at no charge as of the time of adoption of these rules.

(3) The standards adopted in these rules are available for inspection at the Department of Licensing and Regulatory Affairs, MIOSHA Regulatory Services Section, 530 West Allegan Street, Lansing, Michigan, 48909-8143.

(4) The standards adopted in these rules may be obtained from the publisher or may be obtained from the Department of Licensing and Regulatory Affairs, MIOSHA Regulatory Services Section, 530 West Allegan Street, P.O. Box 30643, Lansing, Michigan, 48909-8143, plus \$20.00 for shipping and handling.

(5) The following Michigan occupational safety and health (MIOSHA) standards are referenced in these rules. Up to 5 copies of these standards may be obtained at no charge from the Michigan Department of Licensing and Regulatory Affairs, MIOSHA Regulatory Services Section, 530 West Allegan Street, Lansing, Michigan, 48909-8143 or via the internet at website:

www.michigan.gov/mioshastandards. For quantities greater than 5, the cost, as of the time of adoption of these rules, is 4 cents per page.

(a) Construction Safety Standard Part 9 “Excavation, Trenching, and Shoring.” R 408.40901 to R 408.40953.

(b) Construction Safety Standard Part 14 “Tunnels, Shafts, Caissons, and Cofferdams.” R 408.41401 to R 408.41483.

(c) Occupational Health Standard Part 504 “Diving Operations.” R 325.50301 to R 325.50348.

(d) Occupational Health Standard Part 665 “Underground Construction, Caissons, Cofferdams, and Compressed Air.” R 325.62991 to R 325.62996.

ADMINISTRATIVE RULES

DEPARTMENT OF LICENSING AND REGULATORY AFFAIRS

DIRECTOR'S OFFICE

CONSTRUCTION SAFETY STANDARDS

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(By authority conferred on the director of the department of licensing and regulatory affairs by sections 19 and 21 of 1974 PA 154, and Executive Reorganization Order Nos. 1996-2, 2003-1, 2008-4, and 2011-4, MCL 445.2001, 445.2011, 445.2025, and 445.2030)

R 408.40101, R 408.40102, R 408.40105, and R 408.40114, are amended and R 408.40121 is rescinded, to the Michigan Administrative Code, as follows:

PART 1. GENERAL RULES

R 408.40101 Scope.

Rule 101. (1) This ~~standard part~~ **standard** sets forth general rules for the safe use, operation, and maintenance of equipment, and for safe work practices pertaining to all employers and employees performing construction operations, except that where a specific rule is set forth in another part, the general rule is preempted.

(2) For confined space, see Construction Safety Standard Part 35 “Confined Space in Construction,” as referenced in R 408.40105.

R 408.40102. Definitions.

Rule 102. (1) “Accident prevention program” means the program by which an employer provides instruction and safety training to an employee in the recognition and avoidance of hazards.

(2) “Aisle” means a designated path of travel for equipment and employees.

(3) “Approved” means approval by the director of the department of licensing and regulatory affairs or by the director’s duly designated representative.

(4) ~~“Confined space” means a space that, because of its physical construction, could be subject to the accumulation of loose materials or explosive, toxic, or flammable contaminants or could have an oxygen deficient atmosphere. All of the following are examples of confined spaces:~~

- ~~(a) Storage tanks.~~
- ~~(b) Process vessels.~~
- ~~(c) Bins.~~

~~(d) Boilers.~~

~~(e) Ventilation ducts.~~

~~(f) Sewers.~~

~~(g) Underground utility vaults.~~

~~(h) Tunnels after construction is completed.~~

~~(i) Pipelines.~~

~~(j) Open top spaces more than 4 feet in depth such as pits, tubs, vaults, and vessels.~~

~~(5)~~ “Equivalent” means an alternate design or feature that provides at least as effective degree of safety or a greater degree of safety.

~~(5)~~ ~~(6)~~ “Hazard” means a condition or procedure that is causing or is likely to cause serious physical harm or death to an employee.

~~(6)~~ ~~(7)~~ “Potable water” means water that is in compliance with the provisions of 1976 PA 399, MCL 325.1001 to 325.1023.

~~(7)~~ ~~(8)~~ “Qualified employee” means **an employee** ~~one~~ who, by knowledge, training, and experience, has successfully demonstrated to the employer his or her ability to solve or resolve problems relating to the subject matter, the work, or the project.

R 408.40105. Adopted and referenced standards.

Rule 105. (1) The following standards are adopted by reference in these rules and are available from IHS Global, 15 Inverness Way East, Englewood, Colorado, 80112, USA, telephone number: 1-800-854-7179 or via the internet at website: www.global.ihs.com; at a cost as of the time of adoption of these rules, as stated in this subrule.

(a) American National Standards Institute Standard ANSI A11.1 “Industrial lighting,” 1965 edition. Cost: \$156.00.

(b) American Society of Mechanical Engineers Standard ASME “Boiler and pressure vessel code,” Section viii on “Unfired pressure vessels,” 1989 edition. Cost: \$514.00.

(2) The standards adopted in these rules are available for inspection at the Department of Licensing and Regulatory Affairs, MIOSHA Standards Section, 7150 Harris Drive, P.O. Box 30643, Lansing, Michigan, 48909-8143.

(3) Copies of the standards adopted in these rules may be obtained from the publisher or may be obtained from the Department of Licensing and Regulatory Affairs, MIOSHA Standards Section, 7150 Harris Drive, P.O. Box 30643, Lansing, Michigan, 48909-8143, at the cost charged in this rule, plus \$20.00 for shipping and handling.

(4) The following Michigan occupational safety and health standards (MIOSHA) are referenced in these rules. Up to 5 copies of these standards may be obtained at no charge from the Michigan Department of Licensing and Regulatory Affairs, MIOSHA Regulatory Services section, 7150 Harris Drive, P.O. Box 30643, Lansing, MI, 48909-8143 or via the internet at website: www.michigan.gov/mioshastandards. For quantities greater than 5, the cost, at the time of adoption of these rules, is 4 cents per page.

(a) Construction Safety Standard Part 16 “Power Transmission and Distribution,” R 408.41601 to R 408.41658.

(b) Construction Safety Standard Part 17 “Electrical Installations,” R 408.41701 to R 408.41734.

(c) Construction Safety Standard Part 30 “Telecommunications,” R 408.43001 to R 408.43006.

(d) Construction Safety Standard Part 35 “Confined Space in Construction,” R 408.43501 to R 408.43510.

(e) Construction Safety Standard Part 45 “Fall Protection,” R 408.44501 to R 408.44502.

~~(f) (e)~~ General Industry Safety Standard Part 7 “Guards for Power Transmission,” R 408.10701 to R 408.10765.

R 408.40114. Employer responsibilities; accident prevention program.

Rule 114. (1) An employer shall develop, maintain, and coordinate with employees an accident prevention program, a copy of which shall be available at the worksite.

(2) An accident prevention program shall, at a minimum, provide for all of the following:

(a) Instruction to each employee regarding the operating procedures, hazards, and safeguards of tools and equipment when necessary to perform the job.

(b) Inspections of the construction site, tools, materials, and equipment to assure that unsafe conditions which could create a hazard are eliminated.

(c) Instruction to each employee in the recognition and avoidance of hazards and the regulations applicable to his or her work environment to control or eliminate any hazards or other exposure to illness or injury.

(d) Instruction to each employee who is required to handle or use known poisons, toxic materials, caustics, and other harmful substances regarding all of the following:

(i) The potential hazards.

(ii) Safe handling.

(iii) Use.

(iv) Personal hygiene.

(v) Protective measures.

(vi) Applicable first aid procedures to be used in the event of injury.

(e) Instruction to each employee if known harmful plants, reptiles, animals, or insects are present regarding all of the following:

(i) The potential hazards.

(ii) How to avoid injury.

(iii) Applicable first aid procedures to be used in the event of injury.

~~(f) Instruction to each employee who is required to enter a confined space regarding all of the following:~~

~~(i) The hazards involved.~~

~~(ii) The necessary precautions to be taken.~~

~~(iii) The use of required personal protective equipment.~~

~~(iv) Emergency equipment.~~

~~(v) The procedures to be followed if an emergency occurs.~~

~~(g) Instruction in the steps or procedures to be followed in case of an injury or accident or other emergency.~~

(3) An employee required to handle or use flammable liquids, gases, or toxic materials shall be instructed in the safe handling and use of these materials and made aware of the specific requirements contained in the applicable MIOSHA standards.

~~R 408.40121. Confined spaces; testing; neutralizing hazard. Rescinded.~~

~~Rule 121. (1) Before an employee enters a manhole, well, shaft, tunnel, or other confined space where the atmosphere might be hazardous due to a condition such as a deficiency of oxygen, or might be toxic in excess of the maximum allowable limits prescribed by the department of licensing and regulatory affairs, the atmosphere shall be tested and the results recorded by the employer. The records shall be maintained at the job site. If the atmosphere is hazardous, either sufficient ventilation to eliminate the hazard shall be provided or respiratory equipment~~

~~prescribed by the department of licensing and regulatory affairs shall be worn.~~

(2) ~~If an atmosphere is found to be explosive, sparks, flame, and other sources of ignition shall be prohibited, and ventilation shall be provided until the hazard has been reduced and maintained at or below the maximum allowable limits prescribed by the department of licensing and regulatory affairs.~~

ADMINISTRATIVE RULES

DEPARTMENT OF LICENSING AND REGULATORY AFFAIRS

DIRECTOR'S OFFICE

CONSTRUCTION SAFETY STANDARDS

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(By authority conferred on the director of the department of licensing and regulatory affairs by sections 19 and 21 of 1974 PA 154, **MCL 408.1019 and 408.1021**, and Executive Reorganization Order Nos. 1996-2, 2003-1, 2008-4, and 2011-4, MCL 445.2001, 445.2011, 445.2025, and 445.2030)

R 408.40705, R 408.40709, and R 408.40713 of the Administrative Code are amended, as follows:

PART 7. WELDING AND CUTTING

R 408.40705 Definitions; A to C.

Rule 705.(1) "AC" means alternating current.

(2) "Arc welding" means a process for joining metals by melting with an electric arc with or without the use of pressure and with or without a filler material.

(3) "Brazing" means a process of joining metals, without melting them, with a filler metal melting above 800 degrees Fahrenheit(427 degrees Celsius).

~~(4) "Confined space" means a space that, because of its physical construction, could be subject to the accumulation of loose materials or explosive, toxic, or flammable contaminants or could have an oxygen deficient atmosphere. All of the following are examples of confined spaces:~~

~~(a) Storage tanks.~~

~~(b) Process vessels.~~

~~(c) Bins.~~

~~(d) Boilers.~~

~~(e) Ventilation ducts.~~

~~(f) Sewers.~~

~~(g) Underground utility vaults.~~

~~(h) Tunnels after construction is completed.~~

~~(i) Pipelines.~~

(4) (5) "Cutting" means a process in which the severing or removing of metal is effected affected by the use of an arc or flame.

(5) ~~(6)~~ "Cylinders" means containers for storing compressed gases.

R 408.40709 Adopted and referenced standards.

Rule 709.(1) The following standards are adopted by reference in these rules and are available from IHS Global, 15 Inverness Way East, Englewood, Colorado, 80112, USA, telephone number: 1-800-854-7179 or via the internet at website: <http://global.ihs.com>; at a cost as of the time of adoption of these rules, as stated in this subrule.

(a) American National Standard Institute Standard ANSI/AWS Z49.1, "Safety in Welding and Cutting and Allied Processes," 1973 edition. Cost: \$96.00

(b) American National Standard Institute Standard ANSI/ASA B57.1, "Compressed Gas Cylinder Valve Outlet and Inlet Connections," 1965 edition. Cost \$29.00

(2) This standard is adopted by reference in these rules, National Fire Protection Association NFPA 50 "Standards for Bulk Oxygen Systems at Consumer Sites," 1974 edition. This standard is available from National Fire Prevention Association, 1 Batterymarch Park, Quincy, Massachusetts, USA, 02169-7471, telephone number: 1-617-770-3000 or via the internet at website: www.nfpa.org; at a cost as of the time of adoption of these rules of \$27.00.

(3) The Code of Federal Regulations, Title 49 Transportation, Parts 186-199, "Subchapter D- Pipeline Safety" ~~is are~~ available from the United States Government Printing Office website: www.ecfr.gov, at no charge as of the time of adoption of these rules.

(4) The standards adopted in these rules are available for inspection at the Department of Licensing and Regulatory Affairs, MIOSHA Regulatory Services Section, 7150 Harris Drive, Lansing, Michigan, 48909-8143.

(5) The standards adopted in these rules may be obtained from the publisher or may be obtained from the Department of Licensing and Regulatory Affairs, MIOSHA Regulatory Services Section, 7150 Harris Drive, P.O. Box 30643, Lansing, Michigan, 48909-8143, at the cost of the standard plus \$20.00 for shipping and handling.

(6) The following Michigan occupational safety and health standards (MIOSHA) are referenced in these rules. Up to 5 copies of these standards may be obtained at no charge from the Michigan ~~Department~~ **Department** of licensing and regulatory affairs, MIOSHA Regulatory Services Section, 7150 Harris Drive, P.O. Box 30643, Lansing, MI, 48909-8143 or via the internet at website: www.michigan.gov/mioshastandards. For quantities greater than 5, the cost, at the time of adoption of these rules, is 4 cents per page.

(a) Construction Safety Standard Part 1 "General Rules," R 408.40101 to R 408.40134.

(b) Construction Safety Standard Part 6 "Personal Protective Equipment," R 408.40601 to R 408.40641.

(c) **Construction Safety Standard Part 35 "Confined Space in Construction," R 408.43501 to R 408.43510.**

(d) Construction Safety Standard Part 45 "Fall Protection," R 408.44501 to R 408.44502.

R 408.40713 Working in confined spaces.

Rule 713.(1) Before the start of a welding operation in a confined space, the employer shall ensure that the atmosphere ~~is shall be~~ tested and recorded. Ventilation shall be provided and maintained in accordance with the requirements of the department of ~~licensing~~ **licensing** and ~~regulatory affairs.~~ **Regulatory Affairs.**

(2) **For specific confined space rules, see Construction Safety Standard Part 35 "Confined Space in Construction." as referenced in R 408.40709.** ~~The records shall be maintained by~~

~~the employer at the jobsite as prescribed in Construction Safety Standard Part 1 “General Rules,” as referenced in R 408.40709.~~

(3) When working in a confined space, the torch valves, the gas supply valve, and oxygen valve outside the confined space shall be shut off during the lunch period, overnight, or during any other prolonged period and the torch and hose shall be removed from the confined space. Open-end fuel gas and oxygen hoses shall be immediately removed from enclosed spaces when they are disconnected from the torch or other gas-consuming device.

(4) When electrodes are used in a confined space and welding is suspended during the lunch period, overnight, or during any other prolonged period, the electrode shall be removed from the holder and the machine shall be shut off. The holders shall be placed or protected so that they cannot make electrical contact with employees or conducting objects.

(5) A gas cylinder or a welding machine used for welding operations in a confined space shall be placed on the outside of the space where work is being performed.

(6) If an employee must enter a confined space through a small opening to perform welding operations, another employee trained in rescue procedures and equipped with the means necessary to effect a rescue shall be stationed outside the confined space in position to watch the welder. When a safety harness and lifeline are used, they shall be provided for as prescribed in Construction Safety Standard Part 45 “Fall Protection,” as referenced in R 408.40709, and shall be attached to the welder's body so that his or her body cannot be jammed in a small exit opening.

ADMINISTRATIVE RULES

DEPARTMENT OF LICENSING AND REGULATORY AFFAIRS

DIRECTOR'S OFFICE

CONSTRUCTION SAFETY STANDARDS

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(By authority conferred on the director of the department of licensing and regulatory affairs by sections 19 and 21 of 1974 PA 154, MCL 408.1019 and 408.1021 and Executive Reorganization Order Nos. 1996-2, 2003-1, 2008-4, and 2011-4, MCL 445.2001, 445.2011, 445.2025, and 445.2030)

R 408.41605 and R 408.41610 of the Administrative Code are amended, as follows:

PART 16. POWER TRANSMISSION AND DISTRIBUTION

R 408.41605 Adoption of OSHA rules.

Rule 1605. (1) The following provisions of the occupational safety and health administration, (OSHA) regulations, except as amended in these rules, are adopted by reference in these rules:

- (a) 29 C.F.R. §1926.950 “General.”
- (b) 29 C.F.R. §1926.951 “Medical services and first aid.”
- (c) 29 C.F.R. §1926.952 “Job briefing.”
- (d) 29 C.F.R. §1926.953 “Enclosed spaces.”
- (e) 29 C.F.R. §1926.954 “Personal protective equipment.”
- (f) 29 C.F.R. §1926.955 “Portable ladders and platforms.”
- (g) 29 C.F.R. §1926.956 “Hand and portable power equipment.”
- (h) 29 C.F.R. §1926.957 “Live-line tools.”
- (i) 29 C.F.R. §1926.958 “Materials handling and storage.”
- (j) 29 C.F.R. §1926.959 “Mechanical equipment.”
- (k) 29 C.F.R. §1926.960 “Working on or near exposed energized parts.”
- (l) 29 C.F.R. §1926.961 “Deenergizing lines and equipment for employee protection.”
- (m) 29 C.F.R. §1926.962 “Grounding for the protection of employees.”
- (n) 29 C.F.R. §1926.963 “Testing and test facilities.”
- (o) 29 C.F.R. §1926.964 “Overhead lines and live-line barehand work.”
- (p) 29 C.F.R. §1926.965 “Underground electrical installations.”
- (q) 29 C.F.R. §1926.966 “Substations.”
- (r) 29 C.F.R. §1926.967 “Special conditions.”

- (s) 29 C.F.R. §1926.968 “Definitions.”
 - (t) Appendix A to Subpart V of Part 1926 “Reserved.”
 - (u) Appendix B to Subpart V of Part 1926 “Working on Exposed Energized Parts.”
 - (v) Appendix C to Subpart V of Part 1926 “Protection from Hazardous Differences in Electric Potential.”
 - (w) Appendix D to Subpart V of Part 1926 “Methods of Inspecting and Testing Wood Poles.”
 - (x) Appendix E to Subpart V of Part 1926 “Protection from Flames and Electric Arcs.”
 - (y) Appendix F to Subpart V of Part 1926 “Work-Positioning Equipment Inspection Guidelines.”
 - (z) Appendix G to Subpart V of Part 1926 “Reference Documents.”
- (2) All of the following provisions apply with respect to the regulations adopted in subrule (1) of this rule and are referenced in R 408.41610:
- (a) A reference to 29 C.F.R. §1926.50 “Medical services and first aid,” means Construction Safety Standard (CS) Part 1 “General Rules.”
 - (b) A reference to 29 C.F.R. §1926.54. “Nonionizing radiation,” means Occupational Health Standard (OH) Part 681 “Radiation of Construction: Ionizing and Nonionizing.”
 - (c) A reference to 29 C.F.R. §1926.56 “Illumination,” means CS Part 1 “General Rules.”
 - (d) A reference to 29 C.F.R. §1926.59 “Hazard Communication,” means CS Part 42 “Hazard Communication.”
 - (e) A reference to 29 C.F.R. §1926.95 “Criteria for personal protective equipment,” means CS Part 6 “Personal Protective Equipment.”
 - (f) A reference to 29 C.F.R. §1926.100 “Head protection,” means CS Part 6 “Personal Protective Equipment.”
 - (g) A reference to 29 C.F.R. §1926.106 “Working over or near water,” means CS Part 6 “Personal Protective Equipment.”
 - (h) A reference to 29 C.F.R. §1926.200 “Accident prevention signs and tags,” means CS Part 22 “Signals, Signs, Tags, and Barricades.”
 - (i) A reference to 29 C.F.R. §1926.302 “Power-operated hand tools,” means CS Part 19 “Tools.”
 - (j) A reference to 29 C.F.R. §1926.453 “Aerial lifts,” means CS Part 32 “Aerial Work Platforms.”
 - (k) A reference to 29 C.F.R. §1926.502 “Fall protection systems criteria and practices,” means CS Part 45 “Fall Protection.”
 - (l) A reference to 29 C.F.R. §1926.1053 “Ladders,” means CS Part 11 “Fixed and Portable Ladders.”
 - (m) A reference to 29 C.F.R. §1926.1204 “Permit-required confined space program” through §1926.1211 “Rescue and emergency services,” means CS Part 35 “Confined Space in Construction.”**
 - (n) A reference to “subpart AA of this part,” means CS Part 35 “Confined Space in Construction.”**
 - (o) ~~(m)~~ A reference to 29 C.F.R. §1910.97 “Nonionizing radiation,” means OH Part 382 “Nonionizing Radiation.”
 - (p) ~~(n)~~ A reference to 29 C.F.R. §1910.135 “Head protection,” means General Industry Safety Standard (GI) Part 33 “Personal Protective Equipment.”
 - ~~(o) A reference to 29 C.F.R. §1910.146 “Permit required confined spaces,” means GI Part 90 “Permit-Required Confined Spaces,” and OH Part 490 “Permit-Required Confined Spaces.”~~

(q) ~~(p)~~ A reference to 29 C.F.R. §1910.268 “Telecommunications,” means CS Part 30 “Telecommunications,” and GI Part 50 “Telecommunications.”

(r) ~~(q)~~ A reference to 29 C.F.R. §1910.269 “Electric Power Generation, Transmission, and Distribution,” means GI Part 86 “Electric Power Generation, Transmission, and Distribution.”

(s) ~~(r)~~ A reference to 29 C.F.R. §1910.1200 “Hazard Communication,” means GI Part 92 “Hazard Communication,” and OH Part 430 “Hazard Communication.”

(3) The provisions of the OSHA regulations adopted in these rules have the same force and effect as rules promulgated under Michigan occupational safety and health act, 1974 PA 154, MCL 408.1001 to 408.1094.

R 408.41610 Adopted and referenced standards.

Rule 1610. (1) The following federal occupational safety and health administration (OSHA) regulations, filed April 1, 2014, **except as noted**, are adopted by reference in these rules:

- (a) 29 C.F.R. §1926.950 “General.”
- (b) 29 C.F.R. §1926.951 “Medical services and first aid.”
- (c) 29 C.F.R. §1926.952 “Job briefing.”
- (d) 29 C.F.R. §1926.953 “Enclosed ~~spaces.~~ **spaces,**” **effective August 3, 2015.**
- (e) 29 C.F.R. §1926.954 “Personal protective equipment.”
- (f) 29 C.F.R. §1926.955 “Portable ladders and platforms.”
- (g) 29 C.F.R. §1926.956 “Hand and portable power equipment.”
- (h) 29 C.F.R. §1926.957 “Live-line tools.”
- (i) 29 C.F.R. §1926.958 “Materials handling and storage.”
- (j) 29 C.F.R. §1926.959 “Mechanical equipment.”
- (k) 29 C.F.R. §1926.960 “Working on or near exposed energized parts.”
- (l) 29 C.F.R. §1926.961 “Deenergizing lines and equipment for employee protection.”
- (m) 29 C.F.R. §1926.962 “Grounding for the protection of employees.”
- (n) 29 C.F.R. §1926.963 “Testing and test facilities.”
- (o) 29 C.F.R. §1926.964 “Overhead lines and live-line barehand work.”
- (p) 29 C.F.R. §1926.965 “Underground electrical installations.”
- (q) 29 C.F.R. §1926.966 “Substations.”
- (r) 29 C.F.R. §1926.967 “Special conditions.”
- (s) 29 C.F.R. §1926.968 ~~“Definitions.”~~ **“Definitions,” effective August 3, 2015.**
- (t) Appendix A to Subpart V of Part 1926 “Reserved.”
- (u) Appendix B to Subpart V of Part 1926 “Working on Exposed Energized Parts.”
- (v) Appendix C to Subpart V of Part 1926 “Protection from Hazardous Differences in Electric Potential.”
- (w) Appendix D to Subpart V of Part 1926 “Methods of Inspecting and Testing Wood Poles.”
- (x) Appendix E to Subpart V of Part 1926 “Protection from Flames and Electric Arcs.”
- (y) Appendix F to Subpart V of Part 1926 “Work-Positioning Equipment Inspection Guidelines.”

(z) Appendix G to Subpart V of Part 1926 “Reference Documents.”

(2) The standards adopted in these rules are available from the United States department of labor, occupational safety and health administration website: www.osha.gov, at no charge as of the time of adoption of these rules.

(3) The standards adopted in these rules are available for inspection at the Department of Licensing and Regulatory Affairs, MIOSHA Regulatory Services Section, 7150 Harris Drive, Lansing, Michigan, 48909-8143.

(4) The standards adopted in these rules may be obtained from the publisher or may be obtained from the Department of Licensing and Regulatory Affairs, MIOSHA Regulatory Services Section, 7150 Harris Drive, P.O. Box 30643, Lansing, Michigan, 48909-8143, plus \$20.00 for shipping and handling.

(5) The following Michigan occupational safety and health (MIOSHA) standards are referenced in these rules. Up to 5 copies of these standards may be obtained at no charge from the Michigan Department of Licensing and Regulatory Affairs, MIOSHA Regulatory Services Section, 7150 Harris Drive, P.O. Box 30643, Lansing, Michigan, 48909-8143 or via the internet at website: www.michigan.gov/mioshastandards. For quantities greater than 5, the cost, as of the time of adoption of these rules, is 4 cents per page.

(a) Construction Safety Standard Part 1 “General Rules,” R 408.40101 to R 408.40134.

(b) Construction Safety Standard Part 6 “Personal Protective Equipment,” R 408.40601 to R 408.40641.

(c) Construction Safety Standard Part 11 “Fixed and Portable Ladders,” R 408.41101 to R 408.41140

(d) Construction Safety Standard Part 19 “Tools,” R 408.41901 to R 408.41980.

(e) Construction Safety Standard Part 22 “Signals, Signs, Tags, and Barricades,” R 408.42201 to R 408.42243.

(f) Construction Safety Standard Part 30 “Telecommunications,” R 408.43001 to R 408.43006.

(g) Construction Safety Standard Part 32 “Aerial Work Platforms,” R 408.43201 to R 408.43220.

(h) Construction Safety Standard Part 35 “Confined Space in Construction,” R 408.43501 to R 408.43510.

(i) ~~(h)~~ Construction Safety Standard Part 42 “Hazard Communication,” R 408.44201 to R 408.44204.

(j) ~~(i)~~ Construction Safety Standard Part 45 “Fall Protection,” R 408.44501 to R 408.44502

(k) ~~(j)~~ General Industry Safety Standard Part 33 “Personal Protective Equipment,” R 408.13301 to R 408.13398.

(l) ~~(k)~~ General Industry Safety Standard Part 50 “Telecommunications,” R 408.15001 to R 408.15004.

(m) ~~(l)~~ General Industry Safety Standard Part 86 “Electric Power Generation, Transmission, and Distribution,” R 408.18601 to R 408.18602.

~~(m) General Industry Safety Standard Part 90 “Permit Required Confined Spaces,” R 408.19001 to R 408.19002.~~

(n) General Industry Safety Standard Part 92 “Hazard Communication,” R 408.19201 to R 408.19204.

(o) ~~(n)~~ Occupational Health Standard Part 382 “Nonionizing Radiation,” R 325.60701 to R 325.60704.

(p) ~~(o)~~ Occupational Health Standard Part 430 “Hazard Communication,” R 325.77001 to R 325.77004.

~~(p) Occupational Health Standard Part 490 “Permit Required Confined Spaces,” R 325.63001 to R 325.63049.~~

(q) ~~(s)~~ Occupational Health Standard Part 681 “Radiation of Construction: Ionizing and Nonionizing,” R 325.68101 to R 325.68102.

ADMINISTRATIVE RULES

MICHIGAN DEPARTMENT OF LICENSING AND REGULATORY AFFAIRS

DIRECTOR'S OFFICE

OCCUPATIONAL HEALTH STANDARDS

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(By authority conferred on the director of the department of licensing and regulatory affairs by sections 14 and 24 of 1974 PA 154, MCL 408.1014 and 408.1024; and Executive Reorganization Orders Nos. ~~1996-1~~, 1996-2, 2003-1, 2008-4, and 2011-4, MCL ~~330.3101~~, 445.2001, 445.2011, 445.2025 and 445.2030)

R 325.52902, R 325.52904, R 325.52905, R 325.52906, and R 325.52907 of the Michigan Administrative Code are amended, R 325.52909, R 325.52910, R 325.52911, R 325.52912, R 325.52913, R 325.52920, R 325.52921, R 325.52922, R 325.52923, R 325.52924, R 325.52925, R 325.52926, R 325.52927, R 325.52930, and R 325.52931 are added, and R 325.52908 is rescinded as follows:

PART 529. WELDING, CUTTING, AND BRAZING

R 325.52902 Adopted and referenced standards.

Rule 2. (1) The American welding society standard/ANSI **standard Z49.1 “Safety In Welding and Cutting and Allied Processes,”** ~~safety in welding and cutting and allied processes,~~ 1967 edition, is adopted by reference in these rules. This standard is available from Global Engineering Documents, 15 Inverness Way East, Englewood, Colorado, 80112, USA, telephone number: 1-800-854-7179 or via the internet at website: <http://global.ihs.com>; at a cost of \$96.00 as of the time of adoption of these rules.

(2) The United States department of health and human services, **C.F.R. Title title 42, chapter I—Public Health Service, Part 84—“Approval of Respiratory Protective Devices,” 42 C.F.R. §§ 84.1 to 84.1158 (2012),** ~~public health service, part 84—approval of respiratory protective devices~~ is adopted by reference in these rules and is available for no cost at: www.ecfr.gov. ~~http://www.access.gpo.gov/nara/cfr/waisidx_09/42cfr84_09.html~~. **It is also available at the National Institute for Occupational Safety and Health (NIOSH) at www.cdc.gov/niosh/regulations.html.**

(3) The standards adopted by **reference in these rules** ~~in subrules (1) and (2) of this rule~~ are also available for inspection at the Department of Licensing and Regulatory Affairs, MIOSHA **Regulatory Services Standards** Section, 7150 Harris Drive, ~~P.O. Box 30643~~, Lansing, Michigan,

48909-8143.

(4) **The standards adopted by reference in these rules may be obtained from the publisher or may be obtained from the Department of Licensing and Regulatory Affairs, MIOSHA Regulatory Services Section, 7150 Harris Drive, P.O. Box 30643, Lansing, Michigan, 48909-8143, at the cost charged in this rule, plus \$20.00 for shipping and handling.** The following Michigan occupational safety and health standards are referenced in these rules. Up to 5 copies of these standards may be obtained at no charge from the Michigan Department of Licensing and Regulatory Affairs, MIOSHA Standards Section, 7150 Harris Drive, P.O. Box 30643, Lansing, Michigan, 48909-8143 or via the internet at website: www.michigan.gov/mioshastandards. For quantities greater than 5, the cost, as of the time of adoption of these rules, is 4 cents per page.

~~(a) General industry safety standard part 12 “Welding and Cutting,” R 408.11201 to R 408.11299.~~

~~(b) Occupational health standard part 301 “Air Contaminants,” R 325.51101 to R 325.51108.~~

~~(c) Occupational health standard part 381 “Ionizing Radiation,” R 325.60601a to R 325.60618.~~

(5) **The following Michigan occupational safety and health standards are referenced in these rules. Up to 5 copies of these standards may be obtained at no charge from the Michigan Department of Licensing and Regulatory Affairs, MIOSHA Standards Section, 7150 Harris Drive, P.O. Box 30643, Lansing, Michigan, 48909-8143 or via the internet at website: www.michigan.gov/mioshastandards.** For quantities greater than 5, the cost, as of the time of adoption of these rules, is 4 cents per page.

(a) **General Industry Safety Standard Part 12 “Welding and Cutting,” R 408.11201 to R 408.11299.**

(b) **Occupational Health Standard Part 301 “Air Contaminants for General Industry,” R 325.51101 to R 325.51108.**

(c) **Occupational Health Standard Part 381 “Ionizing Radiation,” R 325.60601a to R 325.60618.**

(d) **Occupational Health Standard Part 430 “Hazard Communication,” R 325.77001 to R 325.77003.**

R 325.52904 Operation and maintenance.

Rule 4. Workers assigned to operate or maintain arc welding equipment shall be familiar with the requirements of ~~general industry safety standard part~~ **General Industry Safety Standard Part 12 “Welding and Cutting,”** as referenced in **R 325.52902, 325.52903, and R 325.52906 and R 325.52907** of this standard.

R 325.52905 Flash welding equipment.

Rule 5. (1) Flash welding machines shall be equipped with a hood to control flying flash. In cases of high production, where materials may contain a film of oil and where toxic elements and metal fumes are given off, ventilation shall be ~~provided~~ in accordance with R 325.52907 to **R 325.52927** of this standard.

(2) Additional safety requirements for flash welding machines are contained in ~~general industry safety standard part~~ **General Industry Safety Standard Part 12 “Welding and Cutting,”** R ~~408.11284 Flash Welding,~~ as referenced in **R 325.52902, 325.52903.**

R 325.52906 Protection of personnel **in confined spaces.**

Rule 6. Work in confined spaces **shall comply with all of the following:**

(a) As used in this standard, confined space is intended to mean a relatively small or restricted

space such as a tank, boiler, pressure vessel, or small compartment of a ship.

(b) ~~Ventilation.~~ Ventilation is a prerequisite to work in confined spaces. For ventilation requirements see R 325.52907 to **R 325.52927** of this standard.

(c) Additional safety requirements for working in confined spaces are contained in ~~general industry safety standard part~~ **General Industry Safety Standard Part 12** “Welding and Cutting,” ~~R-408.11213 Working in Confined Spaces,~~ as referenced in **R 325.52902.** ~~325.52903.~~

R 325.52907 Health protection and ventilation.

Rule 7. (1) ~~General.~~ (a) Contamination. The requirements in this rule are based on the following 3 factors in arc and gas welding which govern the amount of contamination to which welders may be exposed:

(a)(i) Dimensions of space in which welding is to be done, (with special regard to height of ceiling).

(b)(ii) Number of welders.

(c)(iii) Possible evolution of hazardous fumes, gases, or dust according to the metals involved.

(2)(b) Screens. When welding must be performed in a space entirely screened on all sides, the screens shall be arranged so that no serious restriction of ventilation exists. It is desirable to have the screens mounted so that they are about 2 feet (0.61 m) above the floor unless the work is performed at so low a level that the screen must be extended nearer to the floor to protect nearby workers from the glare of welding.

(3)(e) Maximum allowable concentration. Local exhaust or general ventilating systems shall be provided and arranged to keep the amount of toxic fumes, gases, or dusts below the maximum allowable concentration as specified in ~~occupational health standard part~~ **Occupational Health Standard Part 301** “Air Contaminants for General Industry,” as referenced in **R 325.52902.** ~~325.52903.~~

(d) ~~Precautionary labels.~~ A number of potentially hazardous materials are employed in fluxes, coatings, coverings, and filler metals used in welding and cutting or are released to the atmosphere during welding and cutting. These include, but are not limited to, the materials itemized in subrules (5) to (12) of this rule. The suppliers of welding materials shall determine the hazard, if any, associated with the use of their materials in welding, cutting, and other uses. All of the following shall contain notices:

(i) All filler metals and fusible granular materials shall carry the following notice, as a minimum, on tags, boxes, or other containers:

CAUTION

~~Welding may produce fumes and gases hazardous to health. Avoid breathing these fumes and gases. Use adequate ventilation. See ANSI Z49.1-1967 Safety in Welding and Cutting published by the American Welding Society.~~

(ii) ~~Brazing, also known as welding, filler metals containing cadmium in significant amounts shall carry the following notice on tags, boxes, or other containers:~~

WARNING

~~CONTAINS CADMIUM - POISONOUS FUMES MAY BE FORMED ON HEATING
Do not breathe fumes. Use only with adequate ventilation such as fume collectors, exhaust ventilators, or air-supplied respirators. See ANSI Z49.1-1967.~~

If chest pain, cough, or fever develops after use, call physician immediately.

(iii) ~~Brazing and gas welding fluxes containing fluorine compounds shall have a cautionary wording to indicate that they contain fluorine compounds. One such cautionary wording recommended by the American welding society for brazing and gas welding fluxes reads as follows:~~

**CAUTION
CONTAINS FLUORIDES**

This flux when heated gives off fumes that may irritate eyes, nose, and throat.

1. ~~Avoid fumes—use only in well ventilated spaces.~~
2. ~~Avoid contact of flux with eyes or skin.~~
3. ~~Do not take internally.~~

(2) ~~Ventilation for general welding and cutting.~~

(a) ~~General. The following mechanical ventilation shall be provided when welding or cutting is done on metals not covered in subrules (5) to (12) of this rule. For specific materials, see the ventilation requirements of subrules (5) to (12) of this rule.~~

(i) ~~In a space of less than 10,000 cubic feet (284 m³) per welder.~~

(ii) ~~In a room having a ceiling height of less than 16 feet (5 m).~~

(iii) ~~In confined spaces or where the welding space contains partitions, balconies, or other structural barriers to the extent that they significantly obstruct cross ventilation.~~

(b) ~~Minimum rate. Such ventilation shall be at the minimum rate of 2,000 cubic feet (57 m³) per minute per welder, except where local exhaust hoods and booths under subrule (3) of this rule, or airline respirators approved by the national institute for occupational safety and health (NIOSH) under C.F.R. 42, part 84, as adopted by reference in R-325.52903 for such purposes are provided. Natural ventilation is considered sufficient for welding or cutting operations where the restrictions in subrule (2)(a) of this rule are not present.~~

(3) ~~Local exhaust hoods and booths. Mechanical local exhaust ventilation may be by means of either of the following:~~

(a) ~~Hoods. Freely movable hoods intended to be placed by the welder as near as practicable to the work being welded and provided with a rate of airflow sufficient to maintain a velocity in the direction of the hood of 100 linear feet (30 m) per minute in the zone of welding when the hood is at its most remote distance from the point of welding. The rates of ventilation required to accomplish this control velocity using a 3-inch (7.6 cm) wide flanged suction opening are shown in the following table:~~

Welding zone (inches from arc or torch)	Minimum airflow ¹ (cubic feet/minute)	Duct diameter (inches ²)
4 to 6	150	3
6 to 8	275	3 1/2
8 to 10	425	4 1/2
10 to 12	600	5 1/2

~~¹When brazing with cadmium-bearing materials or when cutting on such materials, increased rates of ventilation may be required.~~

~~²Nearest half-inch duct diameter based on 4,000 feet per minute velocity in pipe.~~

~~(b) Fixed enclosure. A fixed enclosure with a top and not less than 2 sides which surround the welding or cutting operations and with a rate of airflow sufficient to maintain a velocity away from the welder of not less than 100 linear feet (30 m) per minute.~~

~~(4) Ventilation in confined spaces.~~

~~(a) Air replacement. All welding and cutting operations carried on in confined spaces shall be adequately ventilated to prevent the accumulation of toxic materials or possible oxygen deficiency. This applies not only to the welder but also to helpers and other personnel in the immediate vicinity. All air replacing the ventilated air withdrawn shall be clean and respirable.~~

~~(b) Airline respirators. In circumstances for which it is impossible to provide such ventilation, airline respirators or hose masks approved for this purpose by NIOSH under C.F.R. 42, part 84, as adopted by reference in R 325.52903, shall be used.~~

~~(c) Self-contained units. In areas immediately hazardous to life, a full facepiece, pressure-demand, self-contained breathing apparatus or a combination full facepiece, pressure-demand supplied air respirator with an auxiliary, self-contained air supply approved by NIOSH under C.F.R. 42, part 84, as adopted by reference in R 325.52903, shall be used.~~

~~(d) Outside helper. Where welding operations are carried on in confined spaces and where welders and helpers are provided with hose masks, hose masks with blowers or self-contained breathing equipment approved by the mine safety and health administration and NIOSH, a worker shall be stationed on the outside of such confined spaces to ensure the safety of those working within.~~

~~(e) Oxygen for ventilation. Oxygen shall not be used for ventilation.~~

~~(5) Fluorine compounds.~~

~~(a) General. In confined spaces, welding or cutting involving fluxes, coverings, or other materials which contain fluorine compounds shall be done in accordance with subrule (4) of this rule. A fluorine compound is one that contains fluorine as an element in chemical combination, not as a free gas.~~

~~(b) Maximum allowable concentration. The need for local exhaust ventilation or airline respirators for welding or cutting in other than confined spaces will depend upon the individual circumstances. However, protection is desirable for fixed location production welding and for all production welding on stainless steels. Where air samples taken at the welding location indicate that fluorides liberated are below the maximum allowable concentration, such protection is not necessary.~~

~~(6) Zinc.~~

~~(a) Confined spaces. In confined spaces, welding or cutting involving zinc-bearing base or filler metals or metals coated with zinc-bearing materials shall be done in accordance with subrule (4) of this rule.~~

~~(b) Indoors. Indoors, welding or cutting involving zinc-bearing base or filler metals coated with zinc-bearing materials shall be done in accordance with subrule (3) of this rule.~~

~~(7) Lead.~~

~~(a) Confined spaces. In confined spaces, welding involving lead-base metals, erroneously called lead burning, shall be done in accordance with subrule (4) of this rule.~~

~~(b) Indoors. Indoors, welding involving lead-base metals shall be done in accordance with~~

subrule (3) of this rule.

(c) Local ventilation. In confined spaces or indoors, welding or cutting operations involving metals containing lead, other than as an impurity, or metals coated with lead-bearing materials, including paint, shall be done using local exhaust ventilation or airline respirators. Such operations, when done outdoors, shall be done using respirators approved for this purpose by NIOSH under C.F.R. 42, part 84, as adopted by reference in R 325.52903. In all cases, workers in the immediate vicinity of the cutting operation shall be protected by local exhaust ventilation or airline respirators.

(8) Beryllium. Welding or cutting indoors, outdoors, or in confined spaces involving beryllium-containing base or filler metals shall be done using local exhaust ventilation and airline respirators unless atmospheric tests under the most adverse conditions have established that the workers' exposure is within the acceptable concentrations defined by occupational health standard part 301 "Air Contaminants," as referenced in R 325.52903. In all cases, workers in the immediate vicinity of the welding or cutting operations shall be protected as necessary by local exhaust ventilation or airline respirators.

(9) Cadmium.

(a) General. In confined spaces or indoors, welding or cutting operations involving cadmium-bearing or cadmium-coated base metals shall be done using local exhaust ventilation or airline respirators unless atmospheric tests under the most adverse conditions show that employee exposure is within the acceptable concentrations specified by occupational health standard part 301 "Air Contaminants," as referenced in R 325.52903. Such operations, when done outdoors, shall be done using respirators, such as fume respirators, approved for this purpose by NIOSH under C.F.R. 42, part 84, as adopted by reference in R 325.52903.

(b) Confined space. Welding, also known as brazing, involving cadmium-bearing filler metals shall be done using ventilation as prescribed in subrule (3) or (4) of this rule if the work is to be done in a confined space.

(10) Mercury. In confined spaces or indoors, welding or cutting operations involving metals coated with mercury-bearing materials including paint, shall be done using local exhaust ventilation or airline respirators unless atmospheric tests under the most adverse conditions show that employee exposure is within the acceptable concentrations specified by occupational health standard part 301 "Air Contaminants," as referenced in R 325.52903. Such operations, when done outdoors, shall be done using respirators approved for this purpose by NIOSH under C.F.R. 42, part 84, as adopted by reference in R 325.52903.

(11) Cleaning compounds.

(a) Manufacturer's instructions. In the use of cleaning materials, because of their possible toxicity or flammability, appropriate precautions such as manufacturers' instructions shall be followed.

(b) Degreasing. Degreasing or other cleaning operations involving chlorinated hydrocarbons shall be located so that no vapors from these operations will reach or be drawn into the atmosphere surrounding any welding operation. In addition, trichloroethylene and perchloroethylene should be kept out of atmospheres penetrated by the ultraviolet radiation of gas-shielded welding operations.

(12) Cutting of stainless steels. Oxygen cutting, using either a chemical flux or iron powder or gas-shielded arc cutting of stainless steel, shall be done using mechanical ventilation adequate to remove the fumes generated.

(13) First aid equipment. First aid equipment shall be available at all times. All injuries shall be reported as soon as possible for medical attention. First aid shall be rendered until medical attention is provided.

R 325.52908 Industrial applications. Rescinded.

Rule 1. (1) Transmission pipeline.

~~(a) General. The requirements of R 325.52906 and R 325.52907 of this standard and general industry safety standard part 12 “Welding and Cutting,” R 408.11271 to R 408.11276 are welding and cutting, as referenced in R 325.52903, shall be observed.~~

~~(b) Field shop operations. Where field shop operations are involved for fabrication of fittings, river crossing, road crossings, and pumping and compressor stations, the requirements of general industry safety standard part 12 “Welding and Cutting,” as referenced in R 325.52903, R 325.52906, and R 325.52907 of this standard shall be observed.~~

~~(c) X ray inspection. Requirements for X ray inspections are contained in occupational health standard part 381 “Ionizing Radiation,” R 325.60618, as referenced in R 325.52903.~~

(2) Mechanical piping systems.

~~(a) General. The requirements of general industry safety standard part 12 “Welding and Cutting,” as referenced in R 325.52903, R 325.52906, and R 325.52907 of this standard shall be observed.~~

~~(b) X ray inspection. Requirements for X ray inspections are contained in occupational health standard part 381 “Ionizing Radiation,” R 325.60618, as referenced in R 325.52903.~~

R 325.52909 Hazard communication.

Rule 9. (1) An employer shall include the potentially hazardous materials employed in fluxes, coatings, coverings, and filler metals, all of which are potentially used in welding and cutting, or are released to the atmosphere during welding and cutting, in the program established to comply with Occupational Health Standard Part 430 “Hazard Communication,” as referenced in R 325.52902.

(2) An employer shall ensure that each employee has access to labels on containers of these materials and safety data sheets, and is trained pursuant to Occupational Health Standard Part 430 “Hazard Communication,” as referenced in R 325.52902. Potentially hazardous materials shall include, but not be limited to, the materials itemized in R 325.52913 to R 325.52926.

(3) Additional considerations for hazard communication in welding, cutting, and brazing are as follows:

(a) Suppliers shall determine and shall label any hazards associated with the use of their materials in welding, cutting, and brazing pursuant to the Occupational Health Standard Part 430 “Hazard Communication,” as referenced in R 325.52902.

(b) In addition to any requirements imposed by Occupational Health Standard Part 430 “Hazard Communication,” as referenced in R 325.52902, all filler metals and fusible granular materials shall carry the following notice, as a minimum, on tags, boxes, or other containers:

<p style="text-align: center;">Do not use in areas without adequate ventilation. See ANSI Z49.1- 1967 Safety in Welding, Cutting, and Allied Processes published by the American Welding Society.</p>
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(c) Where brazing or welding filler metals contain cadmium in significant amounts, the labels shall indicate the hazards associated with cadmium including cancer, lung and kidney effects, and acute toxicity effects.

(d) Where brazing and gas welding fluxes contain fluorine compounds, the labels shall

indicate the hazards associated with fluorine compounds including eye and respiratory tract effects.

(4) Prior to June 1, 2015, employers may include the following information on labels in lieu of the labeling requirements in subrule (3) of this rule:

(a) All filler metals and fusible granular materials shall carry the following notice, as a minimum, on tags, boxes, or other containers:

CAUTION
Welding may produce fumes and gases hazardous to health.
Avoid breathing these fumes and gases. Use adequate ventilation.
See ANSI Z49.1-1967 Safety in Welding and Cutting
published by the American Welding Society.

(b) Brazing (welding) filler metals containing cadmium in significant amounts shall carry the following notice on tags, boxes, or other containers:

WARNING
CONTAINS CADMIUM--POISONOUS FUMES MAY BE FORMED ON HEATING
Do not breathe fumes.
Use only with adequate ventilation such as fume collectors, exhaust ventilators, or air-supplied respirators.
See ANSI Z49.1-1967.
If chest pain, cough, or fever develops after use call physician immediately.

(c) Brazing and gas welding fluxes containing fluorine compounds shall have a cautionary wording to indicate that they contain fluorine compounds. Cautionary wording recommended by the American Welding Society for brazing and gas welding fluxes reads as follows:

CAUTION
CONTAINS FLUORIDES
This flux when heated gives off fumes that may irritate eyes, nose, and throat.
1. Avoid fumes--use only in well-ventilated spaces.
2. Avoid contact of flux with eyes or skin.
3. Do not take internally.

R 325.52910 Ventilation for general welding and cutting.

Rule 10. (1) An employer shall ensure that mechanical ventilation is provided when welding or cutting is done on metals, not covered in R 325.52913 to R 325.52926, at any of the following:

- (a) In a space of less than 10,000 cubic feet (284 m³) per welder.
- (b) In a room having a ceiling height of less than 16 feet (5 m).
- (c) In confined spaces or where the welding space contains partitions, balconies, or other structural barriers to the extent that they significantly obstruct cross ventilation.

(2) For specific materials, see the ventilation requirements of R 325.52913 to R 325.52926.

(3) Minimum rate. The ventilation shall be at the minimum rate of 2,000 cubic feet (57 m³) per minute per welder, except where local exhaust hoods and booths under R 325.52911 or airline respirators approved by the national institute for occupational safety and health (NIOSH) under C.F.R. Title 42, Part 84, as adopted by reference in R 325.52902, for such purposes are provided. Natural ventilation is considered sufficient for welding or cutting operations where the restrictions in subrule (1) of this rule are not present.

R 325.52911 Local exhaust hoods and booths.

Rule 11. Mechanical local exhaust ventilation may occur by means of either of the following:

(a) **Hoods.** Freely movable hoods intended to be placed by the welder as near as practicable to the work being welded and provided with a rate of airflow sufficient to maintain a velocity in the direction of the hood of 100 linear feet (30 m) per minute in the zone of welding when the hood is at its most remote distance from the point of welding. The rates of ventilation required to accomplish this control velocity using a 3-inch (7.6 cm) wide flanged suction opening are shown in Table 1.

(b) **Fixed enclosure.** A fixed enclosure with a top and not less than 2 sides which surround the welding or cutting operations and with a rate of airflow sufficient to maintain a velocity away from the welder of not less than 100 linear feet (30 m) per minute.

TABLE 1		
Welding zone (inches from arc or torch)	Minimum airflow ¹ (cubic feet/minute)	Duct diameter (inches ²)
4 to 6	150	3
6 to 8	275	3 1/2
8 to 10	425	4 1/2
10 to 12	600	5 1/2
¹ When brazing with cadmium-bearing materials or when cutting on such materials, increased rates of ventilation may be required.		
² Nearest half-inch duct diameter based on 4,000 feet per minute velocity in pipe.		

R 325.52912 Ventilation in confined spaces.

Rule 12. (1) Air replacement. All welding and cutting operations carried on in confined spaces shall be adequately ventilated to prevent the accumulation of toxic materials or possible oxygen deficiency. This subrule applies not only to the welder but also to helpers and other personnel in the immediate vicinity. All air replacing the ventilated air withdrawn shall be clean and respirable.

(2) **Airline respirators.** In circumstances for which it is impossible to provide such

ventilation, airline respirators or hose masks approved for this purpose by NIOSH under C.F.R. Title 42, Part 84, as adopted by reference in R 325.52902, shall be used.

(3) Self-contained units. In areas immediately hazardous to life, a full-facepiece, pressure-demand, self-contained breathing apparatus or a combination full-facepiece, pressure-demand supplied-air respirator with an auxiliary, self-contained air supply approved by NIOSH under C.F.R. Title 42, Part 84, as adopted by reference in R 325.52902, shall be used.

(4) Outside helper. Where welding operations are carried on in confined spaces and where welders and helpers are provided with hose masks, hose masks with blowers or self-contained breathing equipment approved by the mine safety and health administration and NIOSH, a worker shall be stationed on the outside of such confined spaces to ensure the safety of those working within.

(5) Oxygen for ventilation. Oxygen shall not be used for ventilation.

R 325.52913 Fluorine compounds.

Rule 13. (1) In confined spaces, welding or cutting involving fluxes, coverings, or other materials which contain fluorine compounds shall be done in accordance with R 325.52912. A fluorine compound is a compound that contains fluorine as an element in chemical combination, not as a free gas.

(2) Maximum allowable concentration. The need for local exhaust ventilation or airline respirators for welding or cutting in other than confined spaces will depend upon the individual circumstances. However, protection is desirable for fixed-location production welding and for all production welding on stainless steels. Where air samples taken at the welding location indicate that fluorides liberated are below the maximum allowable concentration, such protection is not necessary.

R 325.52920 Zinc.

Rule 20. (1) In confined spaces, welding or cutting involving zinc-bearing base or filler metals or metals coated with zinc-bearing materials shall be done in accordance with R 325.52912.

(2) Indoors. Indoors, welding or cutting involving zinc-bearing base or filler metals coated with zinc-bearing materials shall be done in accordance with R 325.52911.

R 325.52921 Lead.

Rule 21. (1) In confined spaces, welding involving lead-base metals, erroneously called lead-burning, shall be done in accordance with R 325.52912.

(2) Indoors. Indoors, welding involving lead-base metals shall be done in accordance with R 325.52911.

(3) Local ventilation. In confined spaces or indoors, welding or cutting operations involving metals containing lead, other than as an impurity, or metals coated with lead-bearing materials, including paint, shall be done using local exhaust ventilation or airline respirators. Such operations, when done outdoors, shall be done using respirators approved for this purpose by NIOSH under C.F.R. Title 42, Part 84, as adopted by reference in R 325.52902. In all cases, workers in the immediate vicinity of the cutting operation shall be protected by local exhaust ventilation or airline respirators.

R 325.52922 Beryllium.

Rule 22. Welding or cutting indoors, outdoors, or in confined spaces involving beryllium-containing base or filler metals shall be done using local exhaust ventilation and airline respirators unless atmospheric tests under the most adverse conditions have established that the workers' exposure is within the acceptable concentrations defined by Occupational Health Standard Part 301 "Air Contaminants for General Industry," as referenced in R 325.52902. In all cases, workers in the immediate vicinity of the welding or cutting operations shall be protected as necessary by local exhaust ventilation or airline respirators.

R 325.52923 Cadmium.

Rule 23. (1) In confined spaces or indoors, welding or cutting operations involving cadmium-bearing or cadmium-coated base metals shall be done using local exhaust ventilation or airline respirators unless atmospheric tests under the most adverse conditions show that employee exposure is within the acceptable concentrations specified by Occupational Health Standard Part 301 "Air Contaminants for General Industry," as referenced in R 325.52902. Such operations, when done outdoors, shall be done using respirators, such as fume respirators, approved for this purpose by NIOSH under C.F.R. Title 42, Part 84, as adopted by reference in R 325.52902.

(2) Confined space. Welding, also known as brazing, involving cadmium-bearing filler metals shall be done using ventilation as prescribed in R 325.52911 or R 325.52912, if the work is to be done in a confined space.

R 325.52924 Mercury.

Rule 24. In confined spaces or indoors, welding or cutting operations involving metals coated with mercury-bearing materials including paint, shall be done using local exhaust ventilation or airline respirators unless atmospheric tests under the most adverse conditions show that employee exposure is within the acceptable concentrations specified by Occupational Health Standard Part 301 "Air Contaminants for General Industry," as referenced in R 325.52902. Such operations, when done outdoors, shall be done using respirators approved for this purpose by NIOSH under C.F.R. Title 42, Part 84, as adopted by reference in R 325.52902.

R 325.52925 Cleaning compounds.

Rule 25. (1) Manufacturer's instructions. In the use of cleaning materials, because of their possible toxicity or flammability, appropriate precautions such as manufacturers' instructions shall be followed.

(2) Degreasing or other cleaning operations involving chlorinated hydrocarbons shall be located so that no vapors from these operations will reach or be drawn into the atmosphere surrounding any welding operation. In addition, trichloroethylene and perchloroethylene should be kept out of atmospheres penetrated by the ultraviolet radiation of gas-shielded welding operations.

R 325.52926 Cutting of stainless steels.

Rule 26. Oxygen cutting, using either a chemical flux or iron powder or gas-shielded arc cutting of stainless steel, shall be done using mechanical ventilation adequate to remove the fumes generated.

R 325.52927 First-aid equipment.

Rule 27. First-aid equipment shall be available at all times. All injuries shall be reported as soon as possible for medical attention. First aid shall be rendered until medical attention is provided.

INDUSTRIAL APPLICATIONS

R 325.52930 Transmission pipeline.

Rule 30. (1). When transmission pipelines are involved, the requirements of R 325.52906 to R 325.52927 of this standard and General Industry Safety Standard Part 12 “Welding and Cutting,” as referenced in R 325.52902, shall be observed.

(2) Where field shop operations are involved for fabrication of fittings, river crossing, road crossings, and pumping and compressor stations, the requirements of R 325.52906 to R 325.52927 of this standard and General Industry Safety Standard Part 12 “Welding and Cutting,” as referenced in R 325.52902, shall be observed.

(3) Requirements for X-ray inspections are contained in Occupational Health Standard Part 381 “Ionizing Radiation,” as referenced in R 325.52902.

R 325.52931 Mechanical piping systems.

Rule 31. (1) When mechanical piping systems are involved, the requirements of R 325.52906 to R 325.52927 of this standard and General Industry Safety Standard Part 12 “Welding and Cutting,” as referenced in R 325.52902, shall be observed.

(2) Requirements for X-ray inspections are contained in Occupational Health Standard Part 381 “Ionizing Radiation,” as referenced in R 325.52902.

(2015 SESSION)

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:

* * *

(i) Other official information considered necessary or appropriate by the Office of Regulatory Reform.”

The following table cites administrative rules promulgated during the year 2000, and indicates the effect of these rules on the Michigan Administrative Code (1979 ed.).

**MICHIGAN ADMINISTRATIVE CODE TABLE
(2015 RULE FILINGS)**

R Number	Action	2015 MR Issue	R Number	Action	2015 MR Issue	R Number	Action	2015 MR Issue
30.58	*	9	38.1672	R	1	205.2009	A	9
38.22	R	1	38.1673	R	1	205.2010	A	9
38.23	R	1	38.1674	R	1	205.2011	A	9
38.24	R	1	38.1675	R	1	225.1	R	1
38.25	R	1	38.1676	R	1	225.2	R	1
38.28	R	1	38.1677	R	1	225.3	R	1
38.71	R	1	38.1678	R	1	225.4	R	1
38.72	R	1	38.1679	R	1	225.5	R	1
38.73	R	1	38.1680	R	1	225.6	R	1
38.74	R	1	38.1681	R	1	225.7	R	1
38.75	R	1	38.1682	R	1	225.8	R	1
38.76	R	1	38.1683	R	1	225.9	R	1
38.77	R	1	38.1684	R	1	225.10	R	1
38.78	R	1	38.1685	R	1	247.351	R	1
38.79	R	1	38.1686	R	1	247.403	R	1
38.80	R	1	38.2171	R	1	247.404	R	1
38.81	R	1	38.2172	R	1	247.405	R	1
38.82	R	1	38.2173	R	1	247.406	R	1
38.83	R	1	38.2174	R	1	247.741	R	1
38.84	R	1	38.2175	R	1	247.742	R	1
38.85	R	1	38.2176	R	1	247.748	R	1
38.86	R	1	38.2177	R	1	281.423	*	12
38.1371	R	1	38.2178	R	1	281.811	*	5
38.1372	R	1	38.2179	R	1	285.900.1	R	3
38.1373	R	1	38.2180	R	1	299.4101	*	5
38.1374	R	1	38.2181	R	1	299.4102	*	5
38.1375	R	1	38.2182	R	1	299.4103	*	5
38.1376	R	1	38.2183	R	1	299.4104	*	5
38.1377	R	1	38.2184	R	1	299.4105	*	5
38.1378	R	1	38.2185	R	1	299.4106a	*	5
38.1379	R	1	38.2186	R	1	299.4110	*	5
38.1380	R	1	205.2001	A	9	299.4111	*	5
38.1381	R	1	205.2002	A	9	299.4117	*	5
38.1382	R	1	205.2003	A	9	299.4121	*	5
38.1383	R	1	205.2004	A	9	299.4128	*	5
38.1384	R	1	205.2005	A	9	299.4201	*	5
38.1385	R	1	205.2006	A	9	299.4203	*	5
38.1386	R	1	205.2007	A	9	299.4302	*	5
38.1671	R	1	205.2008	A	9	299.4307	*	5

(* Amendment to Rule, **A** Added Rule, **N** New Rule, **R** Rescinded Rule)

2015 MR 14 – August 15, 2015

R Number	Action	2015 MR Issue	R Number	Action	2015 MR Issue	R Number	Action	2015 MR Issue
299.4318	*	5	324.59b	R	1	324.511	*	5
299.4420	*	5	324.59c	R	1	324.613	*	5
299.4428	*	5	324.59d	R	1	324.705	*	5
299.4430	*	5	324.59e	R	1	324.801	*	5
299.4440	*	5	324.61	R	1	324.1015	*	5
299.4701	*	5	324.62	R	1	324.1103	*	5
299.4702	*	5	324.63	R	1	324.1202	*	5
299.4703	*	5	324.64	R	1	324.1204	*	5
299.4706	*	5	324.65	R	1	324.1206	*	5
299.4707	*	5	324.71	R	1	324.1401	A	5
299.4708	*	5	324.72	R	1	324.1402	A	5
299.4709	*	5	324.75	R	1	324.1403	A	5
299.4710	*	5	324.102	*	5	324.1404	A	5
299.4711	*	5	324.130	*	5	324.1405	A	5
299.4712	*	5	324.201	*	5	324.1406	A	5
299.4806	*	5	324.202	*	5	325.9087	R	9
299.4118a	A	5	324.203	*	5	325.9081	*	9
324.1	R	1	324.206	*	5	325.9082	*	9
324.2	R	1	324.210	*	5	325.9083	*	9
324.3	R	1	324.301	*	5	325.9084	*	9
324.21	R	1	324.302	*	5	350.9085	*	9
324.23	R	1	324.303	*	5	325.9086	*	9
324.24	R	1	324.407	*	5	325.9571	R	1
324.31	R	1	324.411	*	5	325.9572	R	1
324.32	R	1	324.102	*	5	325.9573	R	1
324.33	R	1	324.130	*	5	325.9574	R	1
324.41	R	1	324.201	*	5	325.9575	R	1
324.42	R	1	324.202	*	5	325.9576	R	1
324.43	R	1	324.203	*	5	325.9577	R	1
324.51	R	1	324.206	*	5	325.9578	R	1
324.52	R	1	324.210	*	5	325.9579	R	1
324.53	R	1	324.301	*	5	325.9580	R	1
324.54	R	1	324.302	*	5	325.9581	R	1
324.55	R	1	324.303	*	5	325.9582	R	1
324.56	R	1	324.407	*	5	325.22346	R	1
324.57	R	1	324.411	*	5	325.22347	R	1
324.58	R	1	324.413	*	5	325.22348	R	1
324.59	R	1	324.418	*	5	325.22349	R	1
324.59a	R	1	324.503	*	5	325.22350	R	1

(* Amendment to Rule, A Added Rule, N New Rule, R Rescinded Rule)

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R Number	Action	2015 MR Issue	R Number	Action	2015 MR Issue	R Number	Action	2015 MR Issue
325.22351	R	1	325.50060	*	7	325.51004	R	10
325.22352	R	1	325.50061	*	7	325.51152	*	4
325.22353	R	1	325.50062	*	7	325.51156	*	4
325.22354	R	1	325.50063	*	7	325.51158	*	4
325.22355	R	1	325.50064	*	7	325.51162	*	4
325.22356	R	1	325.50065	*	7	325.51163	*	4
325.22357	R	1	325.50066	*	7	325.51164	*	4
325.22358	R	1	325.50067	*	7	325.51166	*	4
325.22359	R	1	325.50068	*	7	325.51167	*	4
325.22360	R	1	325.50069	*	7	325.51169	*	4
325.22361	R	1	325.50070	*	7	325.51172	*	4
325.22362	R	1	325.50071	*	7	325.51173	*	4
325.47401	A	4	325.50072	*	7	325.51174	*	4
325.47403	A	4	325.50051a	A	7	325.51175	*	4
325.47405	A	4	325.50053a	A	7	325.51151a	A	4
325.47407	A	4	325.50056a	A	7	325.51156a	A	4
325.47408	A	4	325.50056b	A	7	325.51168a	A	4
325.47409	A	4	325.50056c	A	7	325.51177	R	4
325.47410	A	4	325.50056d	A	7	325.51501	*	4
325.47411	A	4	325.50056e	A	7	325.51502	*	4
325.47414	A	4	325.50059a	A	7	325.51505	*	4
325.47415	A	4	325.50059b	A	7	325.51507	*	4
325.47416	A	4	325.50060a	A	7	325.51508	*	4
325.47417	A	4	325.50060b	A	7	325.51509	*	4
325.47418	A	4	325.50061a	A	7	325.51510	*	4
325.47419	A	4	325.50061b	A	7	325.51511	*	4
325.47420	A	4	325.50061c	A	7	325.51513	*	4
325.47424	A	4	325.50062a	A	7	325.51516	*	4
325.47425	A	4	325.50062b	A	7	325.51517	*	4
OHR 4201	R	4	325.50063a	A	7	325.51519	*	4
OHR 4202	R	4	325.50063b	A	7	325.51520	*	4
325.50051	*	7	325.50064a	A	7	325.51521	*	4
325.50052	*	7	325.50064b	A	7	325.51522	*	4
325.50054	*	7	325.50067a	A	7	325.51523	*	4
325.50055	*	7	325.50067b	A	7	325.51524	*	4
325.50056	*	7	325.50067c	A	7	325.51525	*	4
325.50057	*	7	325.50069a	A	7	325.51526	*	4
325.50058	*	7	325.50070a	A	7	325.51501a	A	4
325.50059	*	7	325.50902	R	10	325.51519a	A	4

(* Amendment to Rule, **A** Added Rule, **N** New Rule, **R** Rescinded Rule)

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R Number	Action	2015 MR Issue	R Number	Action	2015 MR Issue	R Number	Action	2015 MR Issue
325.51504	R	4	325.51941	*	4	336.1906	*	10
325.51527	R	4	325.51943	*	4	336.1911	*	10
325.51902	*	4	325.51944	*	4	336.1912	*	10
325.51903	*	4	325.51945	*	4	336.1930	*	10
325.51904	*	4	325.51946	*	4	336.1940	*	10
325.51905	*	4	325.51947	*	4	336.1941	*	10
325.51906	*	4	325.51948	*	4	336.1942	*	10
325.51907	*	4	325.51949	*	4	336.1943	*	10
325.51908	*	4	325.51950	*	4	336.1944	*	10
325.51909	*	4	325.51950a	*	4	336.1945	*	10
325.51910	*	4	325.51950b	*	4	336.1946	*	10
325.51912	*	4	325.51951	*	4	336.1947	*	10
325.51913	*	4	325.51952	*	4	336.1948	*	10
325.51914	*	4	325.51953	*	4	336.1949	*	10
325.51915	*	4	325.51955	*	4	336.1950	*	10
325.51916a	*	4	325.51956	*	4	336.1971	*	10
325.51916b	*	4	325.51957	*	4	336.1951	A	10
325.51917	*	4	325.51902a	A	4	336.1952	A	10
325.51918	*	4	325.51924a	A	4	336.1953	A	10
325.51922	*	4	325.51921	R	4	336.1954	A	10
325.51923	*	4	325.51958	R	4	336.1955	A	10
325.51924	*	4	333.101	*	1	336.1956	A	10
325.51925	*	4	333.103	*	1	336.1957	A	10
325.51926	*	4	333.105	*	1	336.1958	A	10
325.51928	*	4	333.109	*	1	336.1959	A	10
325.51929	*	4	333.111	*	1	336.1960	A	10
325.51930	*	4	333.113	*	1	336.1972	A	10
325.51931	*	4	333.117	*	1	336.1931	R	10
325.51931a	*	4	333.119	*	1	336.1932	R	10
325.51932	*	4	333.123	*	1	336.1970	R	10
325.51933	*	4	333.125	*	1	338.1601	R	1
325.51934	*	4	333.131	*	1	338.1602	R	1
325.51935	*	4	333.133	*	1	338.1610	R	1
325.51936	*	4	333.126	A	1	338.1611	R	1
325.51937	*	4	333.107	R	1	338.1614	R	1
325.51938	*	4	333.121	R	1	338.1616	R	1
325.51938a	*	4	333.127	R	1	338.1617	R	1
325.51939	*	4	336.1901	*	10	338.1618	R	1
325.51940	*	4	336.1902	*	10	338.1619	R	1

(* Amendment to Rule, **A** Added Rule, **N** New Rule, **R** Rescinded Rule)

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R Number	Action	2015 MR Issue	R Number	Action	2015 MR Issue	R Number	Action	2015 MR Issue
338.1620	R	1	339.1761	R	1	400.906	R	1
338.1621	R	1	339.1763	R	1	400.907	R	1
338.1622	R	1	339.1765	R	1	400.908	R	1
338.1623	R	1	339.1767	R	1	400.909	R	1
338.1624	R	1	339.1771	R	1	400.910	R	1
338.1625	R	1	339.23102	*	5	400.911	R	1
338.1626	R	1	339.23403	*	5	400.912	R	1
338.1627	R	1	340.1883	R	1	400.913	R	1
338.1628	R	1	340.1884	R	1	400.914	R	1
338.1629	R	1	340.1885	R	1	400.915	R	1
338.1633	R	1	380.126	R	1	400.916	R	1
338.1634	R	1	380.127	R	1	400.917	R	1
338.1635	R	1	380.128	R	1	400.918	R	1
338.1636	R	1	380.129	R	1	400.919	R	1
338.1637	R	1	380.132	R	1	400.920	R	1
338.3001	R	5	380.133	R	1	400.921	R	1
338.3002	R	5	380.134	R	1	400.922	R	1
338.3003	R	5	390.1202	R	1	400.941	R	1
338.3004	R	5	390.1206	R	1	400.3151	*	6
338.3005	R	5	390.1207	R	1	400.3155	*	6
338.3006	R	5	390.1209	R	1	400.3156	*	6
338.3007	R	5	390.1210	R	1	400.3157	*	6
338.3801	R	6	390.1212	R	1	400.3158	*	6
338.11109	R	6	390.1213	R	1	400.3159	*	6
338.11115	R	6	390.1214	R	1	400.3160	*	6
338.30310	R	5	390.1251	R	1	400.3161	*	6
339.1701	R	1	400.10	A	9	400.3162	*	6
339.1705	R	1	400.11	A	9	400.3163	*	6
339.1709	R	1	400.12	A	9	400.3164	*	6
339.1713	R	1	400.13	A	9	400.3165	*	6
339.1721	R	1	400.14	A	9	400.3168	*	6
339.1741	R	1	400.15	A	9	400.3169	*	6
339.1743	R	1	400.16	A	9	400.3170	*	6
339.1745	R	1	400.17	A	9	400.3171	*	6
339.1747	R	1	400.18	A	9	400.3173	*	6
339.1751	R	1	400.901	R	1	400.3178	*	6
339.1755	R	1	400.902	R	1	400.3179	*	6
339.1757	R	1	400.903	R	1	400.3167	R	6
339.1759	R	1	400.905	R	1	400.3401	R	1

(* Amendment to Rule, **A** Added Rule, **N** New Rule, **R** Rescinded Rule)

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R Number	Action	2015 MR Issue	R Number	Action	2015 MR Issue	R Number	Action	2015 MR Issue
400.3403	R	1	400.4138	*	9	400.4562	*	9
400.3409	R	1	400.4141	*	9	400.4563	*	9
400.3410	R	1	400.4142	*	9	400.4566	*	9
400.3411	R	1	400.4143	*	9	400.4568	*	9
400.3412	R	1	400.4144	*	9	400.4601	*	9
400.3413	R	1	400.4145	*	9	400.4602	*	9
400.3414	R	1	400.4146	*	9	400.4612	*	9
400.3415	R	1	400.4147	*	9	400.4618	*	9
400.3416	R	1	400.4148	*	9	400.4620	*	9
400.3417	R	1	400.4150	*	9	400.4623	*	9
400.3418	R	1	400.4152	*	9	400.4632	*	9
400.3419	R	1	400.4160	*	9	400.4635	*	9
400.3420	R	1	400.4161	*	9	400.4638	*	9
400.3421	R	1	400.4163	*	9	400.4640	*	9
400.3422	R	1	400.4167	*	9	400.4652	*	9
400.3423	R	1	400.4501	*	9	400.4657	*	9
400.4101	*	9	400.4502	*	9	400.4666	*	9
400.4104	*	9	400.4504	*	9	400.4102	A	9
400.4105	*	9	400.4510	*	9	400.4103	A	9
400.4106	*	9	400.4512	*	9	400.4107	A	9
400.4108	*	9	400.4515	*	9	400.4110	A	9
400.4109	*	9	400.4517	*	9	400.4115	A	9
400.4111	*	9	400.4520	*	9	400.4122	A	9
400.4112	*	9	400.4522	*	9	400.4123	A	9
400.4113	*	9	400.4523	*	9	400.4124	A	9
400.4114	*	9	400.4524	*	9	400.4125	A	9
400.4116	*	9	400.4527	*	9	400.4129	A	9
400.4117	*	9	400.4532	*	9	400.4135	A	9
400.4118	*	9	400.4535	*	9	400.4136	A	9
400.4119	*	9	400.4538	*	9	400.4139	A	9
400.4120	*	9	400.4540	*	9	400.4140	A	9
400.4121	*	9	400.4545	*	9	400.4149	A	9
400.4126	*	9	400.4546	*	9	400.4151	A	9
400.4127	*	9	400.4548	*	9	400.4153	A	9
400.4128	*	9	400.4552	*	9	400.4154	A	9
400.4131	*	9	400.4554	*	9	400.4155	A	9
400.4132	*	9	400.4555	*	9	400.4156	A	9
400.4134	*	9	400.4559	*	9	400.4157	A	9
400.4137	*	9	400.4560	*	9	400.4158	A	9

(* Amendment to Rule, **A** Added Rule, **N** New Rule, **R** Rescinded Rule)

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R Number	Action	2015 MR Issue	R Number	Action	2015 MR Issue	R Number	Action	2015 MR Issue
400.4159	A	9	400.7002	*	9	408.10606	*	8
400.4162	A	9	400.7003	*	9	408.10611	*	8
400.4164	A	9	400.7004	*	9	408.10612	*	8
400.4165	A	9	400.7006	*	9	408.10613	*	8
400.4166	A	9	400.7007	*	9	408.10621	*	8
400.4505	A	9	400.7008	*	9	408.10623	*	8
400.4604	A	9	400.7009	*	9	408.10624	*	8
400.4605	A	9	400.7010	*	9	408.10631	*	8
400.4621	A	9	400.7011	*	9	408.10632	*	8
400.4168	R	9	400.7012	*	9	408.10633	*	8
400.4169	R	9	400.7013	*	9	408.10634	*	8
400.4170	R	9	400.7014	*	9	408.10636	*	8
400.4172	R	9	400.7015	*	9	408.10639	*	8
400.4173	R	9	400.7016	*	9	408.10641	*	8
400.4175	R	9	400.7017	*	9	408.10643	*	8
400.4176	R	9	400.7018	*	9	408.10644	*	8
400.4177	R	9	400.7019	*	9	408.10645	*	8
400.4178	R	9	400.7020	*	9	408.10647	*	8
400.4181	R	9	400.7021	*	9	408.10661	*	8
400.4182	R	9	400.7022	*	9	408.10664	*	8
400.4183	R	9	400.7024	*	9	408.10671	*	8
400.4201	R	9	400.7026	*	9	408.10673	*	8
400.4231	R	9	400.7027	*	9	408.10675	*	8
400.4232	R	9	400.7029	*	9	408.10677	*	8
400.4234	R	9	400.7030	*	9	408.10685	*	8
400.4237	R	9	400.7031	*	9	408.10686	*	8
400.4238	R	9	400.7032	*	9	408.10695	*	8
400.4302	R	9	400.7033	*	9	408.10696	*	8
400.4331	R	9	400.7034	*	9	408.10627	A	8
400.4332	R	9	408.6203	R	5	408.10680	A	8
400.4334	R	9	408.6204	R	5	408.10637	R	8
400.4335	R	9	408.6206	R	5	408.10638	R	8
400.4336	R	9	408.6208	R	5	408.13301a	*	10
400.4337	R	9	408.6209	R	5	408.13385	*	10
400.4338	R	9	408.6301	R	5	408.13387	*	10
400.4513	R	9	408.10601	*	8	408.13387a	*	10
400.7025	R	9	408.10603	*	8	408.13388	A	10
400.7028	R	9	408.10604	*	8	408.13389	A	10
400.7001	*	9	408.10605	*	8	408.13901	*	9

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R Number	Action	2015 MR Issue	R Number	Action	2015 MR Issue	R Number	Action	2015 MR Issue
408.13902	*	9	408.17318	*	10	408.22953	R	1
408.13905	A	9	408.17320	*	10	408.22954	R	1
408.14001	*	7	408.17302	A	10	408.22955	R	1
408.14002	*	7	408.17801	*	8	408.22956	R	1
408.14004	*	7	408.18602	*	9	408.22957	R	1
408.14005	*	7	408.18605	A	9	408.22958	R	1
408.14008	*	7	408.22101	*	10	408.22959	R	1
408.14009	*	7	408.22102	*	10	408.22960	R	1
408.14001a	A	7	408.22103	*	10	408.22961	R	1
408.14001b	A	7	408.22104	*	10	408.22962	R	1
408.14511	*	10	408.22105	*	10	408.22963	R	1
408.14522	*	10	408.22106	*	10	408.22964	R	1
408.14555	*	10	408.22107	*	10	408.22965	R	1
408.14502	A	10	408.22109	*	10	408.22966	R	1
408.14527	R	10	408.22110	*	10	408.22967	R	1
408.15001	*	8	408.22112	*	10	408.22968	R	1
408.15002	*	8	408.22113	*	10	408.22969	R	1
408.15003	*	8	408.22115	*	10	408.22970	R	1
408.15004	A	8	408.22117	*	10	408.22971	R	1
408.15501	*	8	408.22119	*	10	408.30801	*	12
408.15601	*	8	408.22129	*	10	408.30811	*	12
408.15915	*	7	408.22130	*	10	408.30813	*	12
408.15922	*	7	408.22138	*	10	408.30818	*	12
408.15923	*	7	408.22139	*	10	408.30819	*	12
408.15903	A	7	408.22151	*	10	408.30834	*	12
408.15911	R	7	408.22156	*	10	408.30838	*	12
408.16204	*	7	408.22102a	A	10	408.30869	*	12
408.16223	*	7	408.22110a	A	10	408.30870	*	12
408.16227	*	7	408.22110b	A	10	408.30871	*	12
408.16234	*	7	408.22112a	A	10	408.30873	*	12
408.16237	*	7	408.22112b	A	10	408.30865	R	12
408.16251	*	7	408.22112c	A	10	408.40115	*	4
408.16202	A	7	408.22112d	A	10	408.40120	*	4
408.17310	*	10	408.22112e	A	10	408.40121	*	4
408.17312	*	10	408.22112f	A	10	408.40122	*	4
408.17314	*	10	408.22161	R	10	408.40123	*	4
408.17315	*	10	408.22162	R	10	408.40128	*	4
408.17316	*	10	408.22951	R	1	408.40130	*	4
408.17317	*	10	408.22952	R	1	408.40131	*	4

(* Amendment to Rule, **A** Added Rule, **N** New Rule, **R** Rescinded Rule)

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R Number	Action	2015 MR Issue	R Number	Action	2015 MR Issue	R Number	Action	2015 MR Issue
408.40132	*	4	408.41640	R	10	408.41875	*	7
408.40133	*	4	408.41641	R	10	408.41877	*	7
408.40105	A	4	408.41642	R	10	408.41884	*	7
408.40601	*	6	408.41643	R	10	408.41861a	A	7
408.40603	*	6	408.41644	R	10	408.41861b	A	7
408.40617a	*	6	408.41645	R	10	408.41861c	A	7
408.40623	*	6	408.41646	R	10	408.41861d	A	7
408.40625	*	6	408.41647	R	10	408.41877a	A	7
408.40631	*	6	408.41648	R	10	408.41871	R	7
408.40650	A	6	408.41649	R	10	408.41872	R	7
408.40655	A	6	408.41650	R	10	408.41876	R	7
408.40660	A	6	408.41651	R	10	408.41878	R	7
408.40709	*	4	408.41652	R	10	408.41879	R	7
408.40713	*	4	408.41653	R	10	408.41881	R	7
408.40721	*	4	408.41654	R	10	408.41882	R	7
408.40722	*	4	408.41655	R	10	408.41883	R	7
408.40723	*	4	408.41656	R	10	408.42701	*	7
408.40731	*	4	408.41657	R	10	408.42705	A	7
408.40751	*	4	408.41658	R	10	408.42710	R	7
408.40761	*	4	408.41802	*	7	408.42724	R	7
408.40762	*	4	408.41836	*	7	408.42725	R	7
408.41601	*	10	408.41837	*	7	408.42726	R	7
408.41610	*	10	408.41838	*	7	408.42727	R	7
408.41605	A	10	408.41841	*	7	408.42728	R	7
408.41625	R	10	408.41851	*	7	408.42731	R	7
408.41626	R	10	408.41852	*	7	408.42732	R	7
408.41627	R	10	408.41853	*	7	408.42733	R	7
408.41628	R	10	408.41854	*	7	408.42734	R	7
408.41629	R	10	408.41855	*	7	408.42735	R	7
408.41630	R	10	408.41861	*	7	408.42737	R	7
408.41631	R	10	408.41862	*	7	408.42741	R	7
408.41632	R	10	408.41863	*	7	408.42742	R	7
408.41633	R	10	408.41864	*	7	408.42743	R	7
408.41634	R	10	408.41865	*	7	408.42744	R	7
408.41635	R	10	408.41866	*	7	408.42751	R	7
408.41636	R	10	408.41867	*	7	408.42752	R	7
408.41637	R	10	408.41868	*	7	408.42753	R	7
408.41638	R	10	408.41869	*	7	408.42754	R	7
408.41639	R	10	408.41874	*	7	408.42755	R	7

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408.42758	R	7	421.1206	R	1	460.17305	R	1
408.42759	R	7	421.1207	R	1	460.17307	R	1
408.42761	R	7	421.1208	R	1	460.17309	R	1
408.42762	R	7	421.1209	R	1	460.17311	R	1
408.42763	R	7	421.1210	R	1	460.17313	R	1
408.42799	R	7	421.1211	R	1	460.17315	R	1
408.44501	*	7	421.1212	R	1	460.17317	R	1
408.44502	*	7	421.1213	R	1	460.17319	R	1
418.1	R	1	421.1214	R	1	460.17321	R	1
418.2	R	1	421.1301	R	1	460.17323	R	1
418.3	R	1	421.1302	R	1	460.17325	R	1
418.4	R	1	421.1304	R	1	460.17327	R	1
418.5	R	1	421.1305	R	1	460.17329	R	1
418.6	R	1	421.1306	R	1	460.17331	R	1
418.7	R	1	421.1307	R	1	460.17333	R	1
418.8	R	1	421.1308	R	1	460.17335	R	1
418.51	R	1	421.1309	R	1	460.17337	R	1
418.52	R	1	421.1310	R	1	460.17339	R	1
418.53	R	1	421.1311	R	1	460.17341	R	1
418.54	R	1	421.1313	R	1	460.17401	R	1
418.55	R	1	421.1314	R	1	460.17403	R	1
418.56	R	1	421.1315	R	1	460.17405	R	1
418.57	R	1	421.1316	R	1	460.17501	R	1
418.58	R	1	421.1317	R	1	460.17503	R	1
421.1101	R	1	460.17101	R	1	460.17505	R	1
421.1102	R	1	460.17103	R	1	460.17507	R	1
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421.1108	R	1	460.17115	R	1	460.17701	R	1
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500.108	A	12	554.5	R	5	792.10104	A	1
500.109	A	12	554.6	R	5	792.10105	A	1
500.110	A	12	554.21	R	5	792.10106	A	1
500.111	A	12	554.22	R	5	792.10107	A	1
500.2101	R	1	554.23	R	5	792.10108	A	1
500.2105	R	1	554.24	R	5	792.10109	A	1
500.2106	R	1	554.25	R	5	792.10110	A	1
500.2107	R	1	554.26	R	5	792.10111	A	1
500.2109	R	1	554.27	R	5	792.10112	A	1
500.2110	R	1	554.28	R	5	792.10113	A	1
500.2111	R	1	554.29	R	5	792.10114	A	1
500.2112	R	1	554.31	R	5	792.10115	A	1
500.2113	R	1	554.32	R	5	792.10116	A	1
500.2114	R	1	554.33	R	5	792.10117	A	1
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500.2116	R	1	554.35	R	5	792.10119	A	1
500.2117	R	1	554.41	R	5	792.10120	A	1
500.2118	R	1	554.42	R	5	792.10121	A	1
500.2119	R	1	554.51	R	5	792.10122	A	1
500.2120	R	1	554.52	R	5	792.10123	A	1
500.2121	R	1	554.53	R	5	792.10124	A	1
500.2122	R	1	554.61	R	5	792.10125	A	1
500.2123	R	1	554.62	R	5	792.10126	A	1
500.2124	R	1	554.63	R	5	792.10128	A	1
500.2125	R	1	554.64	R	5	792.10129	A	1
500.2126	R	1	554.65	R	5	792.10130	A	1
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500.2130	R	1	554.69	R	5	792.10134	A	1
500.2131	R	1	554.70	R	5	792.10135	A	1
500.2134	R	1	554.71	R	5	792.10136	A	1
500.2136	R	1	791.3301	R	1	792.10137	A	1
500.2137	R	1	791.3305	R	1	792.10201	*	1
500.2138	R	1	791.3310	R	1	792.10203	*	1
554.1	R	5	791.3315	R	1	792.10205	*	1
554.2	R	5	792.10101	A	1	792.10207	*	1

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792.10213	*	1	792.10402	A	1	792.10441	A	1
792.10215	*	1	792.10403	A	1	792.10442	A	1
792.10219	*	1	792.10404	A	1	792.10443	A	1
792.10221	*	1	792.10405	A	1	792.10444	A	1
792.10223	*	1	792.10406	A	1	792.10445	A	1
792.10225	*	1	792.10407	A	1	792.10446	A	1
792.10227	*	1	792.10408	A	1	792.10447	A	1
792.10229	*	1	792.10409	A	1	792.10448	A	1
792.10231	*	1	792.10410	A	1	792.10501	A	1
792.10233	*	1	792.10411	A	1	792.10502	A	1
792.10237	*	1	792.10412	A	1	792.10503	A	1
792.10239	*	1	792.10413	A	1	792.10504	A	1
792.10241	*	1	792.10414	A	1	792.10505	A	1
792.10243	*	1	792.10415	A	1	792.10506	A	1
792.10247	*	1	792.10416	A	1	792.10507	A	1
792.10251	*	1	792.10417	A	1	792.10508	A	1
792.10253	*	1	792.10418	A	1	792.10509	A	1
792.10255	*	1	792.10419	A	1	792.10510	A	1
792.10257	*	1	792.10420	A	1	792.10511	A	1
792.10259	*	1	792.10421	A	1	792.10512	A	1
792.10261	*	1	792.10422	A	1	792.10601	A	1
792.10263	*	1	792.10423	A	1	792.10602	A	1
792.10265	*	1	792.10424	A	1	792.10603	A	1
792.10269	*	1	792.10425	A	1	792.10604	A	1
792.10271	*	1	792.10426	A	1	792.10605	A	1
792.10273	*	1	792.10427	A	1	792.10606	A	1
792.10275	*	1	792.10428	A	1	792.10607	A	1
792.10277	*	1	792.10429	A	1	792.10608	A	1
792.10279	*	1	792.10430	A	1	792.10609	A	1
792.10283	*	1	792.10431	A	1	792.10701	A	1
792.10287	*	1	792.10432	A	1	792.10702	A	1
792.10289	*	1	792.10433	A	1	792.10703	A	1
792.10301	A	1	792.10434	A	1	792.10704	A	1
792.10302	A	1	792.10435	A	1	792.10705	A	1
792.10303	A	1	792.10436	A	1	792.10706	A	1
792.10304	A	1	792.10437	A	1	792.10707	A	1
792.10305	A	1	792.10438	A	1	792.10708	A	1

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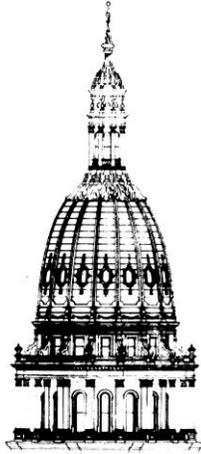
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792.10711	A	1	792.11014	A	1	792.11208	A	1
792.10712	A	1	792.11015	A	1	792.11301	A	1
792.10713	A	1	792.11016	A	1	792.11302	A	1
792.10714	A	1	792.11017	A	1	792.11303	A	1
792.10715	A	1	792.11018	A	1	792.11304	A	1
792.10801	A	1	792.11019	A	1	792.11305	A	1
792.10802	A	1	792.11020	A	1	792.11306	A	1
792.10803	A	1	792.11021	A	1	792.11307	A	1
792.10804	A	1	792.11022	A	1	792.11309	A	1
792.10805	A	1	792.11023	A	1	792.11310	A	1
792.10806	A	1	792.11024	A	1	792.11311	A	1
792.10807	A	1	792.11025	A	1	792.11312	A	1
792.10808	A	1	792.11026	A	1	792.11313	A	1
792.10809	A	1	792.11027	A	1	792.11314	A	1
792.10901	A	1	792.11101	A	1	792.11315	A	1
792.10902	A	1	792.11102	A	1	792.11316	A	1
792.10903	A	1	792.11103	A	1	792.11317	A	1
792.10904	A	1	792.11104	A	1	792.11318	A	1
792.10905	A	1	792.11105	A	1	792.11319	A	1
792.10906	A	1	792.11106	A	1	792.11320	A	1
792.10907	A	1	792.11107	A	1	792.11321	A	1
792.10908	A	1	792.11108	A	1	792.11401	A	1
792.10909	A	1	792.11109	A	1	792.11402	A	1
792.10910	A	1	792.11110	A	1	792.11403	A	1
792.10911	A	1	792.11111	A	1	792.11404	A	1
792.10912	A	1	792.11112	A	1	792.11405	A	1
792.11001	A	1	792.11113	A	1	792.11406	A	1
792.11002	A	1	792.11114	A	1	792.11407	A	1
792.11003	A	1	792.11115	A	1	792.11408	A	1
792.11004	A	1	792.11116	A	1	792.11409	A	1
792.11005	A	1	792.11117	A	1	792.11410	A	1
792.11006	A	1	792.11118	A	1	792.11411	A	1
792.11007	A	1	792.11201	A	1	792.11412	A	1
792.11008	A	1	792.11202	A	1	792.11413	A	1
792.11009	A	1	792.11203	A	1	792.11414	A	1
792.11010	A	1	792.11204	A	1	792.11415	A	1
792.11011	A	1	792.11205	A	1	792.11416	A	1

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792.11419	A	1	792.11608	A	1
792.11420	A	1	792.11609	A	1
792.11421	A	1	792.11610	A	1
792.11422	A	1	792.11611	A	1
792.11423	A	1	792.11701	A	1
792.11424	A	1	792.11702	A	1
792.11425	A	1	792.11703	A	1
792.11426	A	1	792.11704	A	1
792.11427	A	1	792.11705	A	1
792.11428	A	1	792.11706	A	1
792.11429	A	1	792.11707	A	1
792.11430	A	1	792.11708	A	1
792.11431	A	1	792.11709	A	1
792.11432	A	1	792.11801	A	1
792.11433	A	1	792.11802	A	1
792.11501	A	1	792.11803	A	1
792.11502	A	1	792.11901	A	1
792.11503	A	1	792.11902	A	1
792.11504	A	1	792.11903	A	1
792.11505	A	1			
792.11506	A	1			
792.11507	A	1			
792.11508	A	1			
792.11509	A	1			
792.11510	A	1			
792.11511	A	1			
792.11512	A	1			
792.11513	A	1			
792.11514	A	1			
792.11515	A	1			
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792.11601	A	1			
792.11602	A	1			
792.11603	A	1			
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SIGNED INTO LAW OR VETOED
(2015 SESSION)**

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.”

2015 Michigan Public Acts Table

Legislative Service Bureau
Legal Division, Statutory Compiling and Law Publications Unit
124 W. Allegan, Lansing, MI 48909

July 28, 2015
Through PA 130 of 2015

PA No.	ENROLLED		I.E.* Yes/No	Governor Approved	Filed Date	Effective Date	SUBJECT
	HB	SB					
1		0044	Yes	2/19	2/20	5/21/15 #	Elections; primary ; presidential primary election date; revise. (Sen. D. Robertson)
2		0045	Yes	2/19	2/20	5/21/15 #	Elections; primary ; presidential primary election date; revise. (Sen. D. Robertson)
3		0034	Yes	3/4	3/4	3/4/15	Weapons; licensing ; concealed pistol licensing boards; eliminate, and transfer duties to the department of state police and county clerks. (Sen. M. Green)
4		0035	Yes	3/4	3/4	10/1/15 #	Criminal procedure ; sentencing guidelines; reference in sentencing guidelines; update. (Sen. M. Green)
5	4110		Yes	3/10	3/10	3/10/15	Appropriations; supplemental ; omnibus school aid supplemental adjusting certain appropriations and fund sources; provide for. (Rep. A. Pscholka)
6	4112		Yes	3/10	3/10	3/10/15	Appropriations; zero budget ; supplemental appropriations; provide for fiscal year 2014-2015. (Rep. A. Pscholka)
7	4078		Yes	3/17	3/17	3/17/15	Appropriations; capital outlay ; Michigan natural resources trust fund; provide appropriations. (Rep. J. Bumstead)

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2015 Michigan Public Acts Table

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	HB	SB					
8		0137	Yes	4/1	4/1	4/1/15	Insurance; health insurers; amount of autism coverage fund revenues to be expended for university autism programs and autism family assistance services; increase. (Sen. D. Hildenbrand)
9		0138	Yes	4/1	4/1	6/30/15	Crime victims; rights; distribution of crime victim's rights funds; modify. (Sen. D. Hildenbrand)
10	4051		Yes	4/9	4/9	4/9/15	Taxation; administration; disclosure of certain tax-exempt property; provide for. (Rep. J. Farrington)
11		0042	Yes	4/9	4/9	4/9/15	Vehicles; driver training; certain requirements applicable to commercial learner's permit; amend to comply with federal regulations. (Sen. T. Casperson)
12		0054	Yes	4/14	4/14	7/13/15	Natural resources; hunting; use of unmanned vehicles or devices to interfere with or harass another individual who is hunting or fishing; prohibit. (Sen. T. Casperson)
13		0055	Yes	4/14	4/14	7/13/15 #	Natural resources; hunting; use of unmanned vehicles or device for taking game or fish; prohibit. (Sen. P. Pavlov)
14	4119		Yes	4/14	4/14	4/14/15 #	Civil procedure; garnishment; garnishment of periodic payments; revise procedure. (Rep. D. Garcia)
15	4120		Yes	4/14	4/14	9/30/15 #	Labor; fair employment practices; deductions from wages without written consent of employee; include certain reimbursements related to garnishment. (Rep. M. McCready)
16		0053	Yes	4/14	4/14	7/13/15	Weapons; firearms; exemption for retired federal law enforcement officers to carry a concealed pistol in pistol-free zones; provide for. (Sen. R. Jones)

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	HB	SB					
17		0160	Yes	4/22	4/22	4/22/15	Cities; home rule ; provision regarding financial recovery bonds; modify. (Sen. D. Booher)
18		0018	Yes	4/29	4/29	4/29/15 #	Property; conveyances ; certain land in Calhoun County; provide for conveyance after obtaining from United States. (Sen. M. Nofs)
19		0019	Yes	4/29	4/29	4/29/15 #	Property tax; assessments ; definition of transfer of ownership; exclude certain transfers. (Sen. M. Nofs)
20		0012	Yes	5/5	5/5	5/5/15	Retirement; state employees ; retired state employees to contract with department of attorney general in litigation matters involving this state; allow under certain circumstances without losing retirement allowance. (Sen. R. Jones)
21	4151		Yes	5/12	5/12	5/12/15 #	Weapons; firearms ; 1959 PA 186; repeal. (Rep. P. Pettalia)
22	4152		Yes	5/12	5/12	7/1/15 #	Weapons; firearms ; definition of firearm in MCL 8.3t; modify. (Rep. J. Sheppard)
23	4153		Yes	5/12	5/12	7/1/15 #	Weapons; firearms ; definition of firearm in MCL 752.841; modify. (Rep. R. Franz)
24	4154		Yes	5/12	5/12	7/1/15 #	Weapons; firearms ; definition of firearm in the natural resources and environmental protection act; modify. (Rep. B. Roberts)
25	4156		Yes	5/12	5/12	7/1/15 #	Weapons; firearms ; definition of firearm in 1927 PA 372; modify. (Rep. T. Barrett)

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	HB	SB					
26	4155		Yes	5/12	5/12	7/1/15 #	Weapons; firearms; definition of firearm in the Michigan penal code; modify. <i>(Rep. T. Cole)</i>
27	4160		Yes	5/12	5/12	8/10/15 #	Weapons; other; brandishing a firearm; exempt certain actions. <i>(Rep. J. Johnson)</i>
28	4161		Yes	5/12	5/12	8/10/15 #	Weapons; other; definition of brandish; provide for. <i>(Rep. H. Hughes)</i>
29		0085	Yes	5/12	5/12	8/10/15	Weapons; firearms; definition of pneumatic guns; provide for, and prohibit certain regulations by local units of government. <i>(Sen. D. Hildenbrand)</i>
30		0099	Yes	5/18	5/18	5/18/15	Highways; name; portion of business loop I-94; designate as the "Detective LaVern S. Brann Memorial Highway". <i>(Sen. M. Nofs)</i>
31	4069		Yes	5/20	5/20	8/18/15	Criminal procedure; youthful trainees; eligibility criteria for youthful trainee program; modify. <i>(Rep. H. Santana)</i>
32	4135		Yes	5/20	5/20	8/18/15	Criminal procedure; youthful trainees; revocation of trainee status under Holmes youthful trainee act for committing certain subsequent crimes; provide for. <i>(Rep. K. Heise)</i>
33	4169		Yes	5/20	5/20	8/18/15	Criminal procedure; sentencing; option of placing individual in prison under the Holmes youthful trainee act; eliminate. <i>(Rep. M. Hovey-Wright)</i>
34	4162		Yes	5/21	5/21	8/19/15 #	Occupations; individual licensing and regulation; requirement for installation and repair of elevators by elevator journeymen; modify for installation and repair of residential lifts. <i>(Rep. A. Nesbitt)</i>

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	HB	SB					
35	4163		Yes	5/21	5/21	8/19/15 #	Occupations; individual licensing and regulation; licensing of residential lift contractors; create as class of elevator contractors. <i>(Rep. A. Pscholka)</i>
36	4038		Yes	5/21	5/21	8/19/15	Housing; landlord and tenants; demand for payment of rent or possession of premises; allow by electronic mail. <i>(Rep. A. Forlini)</i>
37	4076		Yes	5/21	5/21	5/21/15	Weapons; firearms; reference to certain repealed definition in the penal code; eliminate. <i>(Rep. B. Rendon)</i>
38		0052	Yes	5/21	5/21	8/19/15	Veterans; other; veterans welcome home act; replace reference to "department of labor and economic growth" with "Michigan veterans affairs agency". <i>(Sen. J. Stamas)</i>
39	4075		Yes	6/1	6/1	6/1/15	Records; public; transcripts and abstracts of records act; clarify fee for electronic copies. <i>(Rep. B. Rendon)</i>
40	4054		Yes	6/3	6/3	9/1/15	Mobile homes; other; health and safety violations; provide for remedies and require posting of financial assurance. <i>(Rep. A. Schor)</i>
41	4017		Yes	6/3	6/3	6/3/15	Food; other; persons donating food to nonprofit organizations or corporations that distribute donated food; provide immunity for. <i>(Rep. J. Farrington)</i>
42		0139	Yes	6/3	6/3	9/1/15	Education; other; certain fund-raising activities during school hours; allow. <i>(Sen. P. Colbeck)</i>
43		0329	Yes	6/5	6/5	6/5/15	Elections; election officials; modifying the nominating petition filing deadline for candidates for city offices; authorize under certain circumstances and add certain election accountability provisions. <i>(Sen. J. Ananich)</i>

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	HB	SB					
44	4060		Yes	6/8	6/9	9/7/15	Higher education ; state universities; acceptance of an American council on education transcript; allow, and clarify transferable credits. <i>(Rep. H. Hughes)</i>
45		0221	Yes	6/8	6/9	6/9/15	Higher education ; education programs; participation in interstate compacts or agreements concerning distance education; regulate. <i>(Sen. T. Schuitmaker)</i>
46		0086	Yes	6/8	6/9	6/9/15	State financing and management ; bonds; issuance of certain types of bonds; extend sunset. <i>(Sen. J. Brandenburg)</i>
47		0271	Yes	6/8	6/9	6/9/15	Liquor ; licenses; sale of unlimited quantity of alcoholic liquor at a specific price at a private function; allow, and regulate price of 2 or more drinks sold to an individual. <i>(Sen. W. Schmidt)</i>
48		0196	Yes	6/8	6/9	9/7/15	Vehicles ; other; issuance of salvage or scrap certificate of title to insurance company; allow under certain circumstances and make other revisions. <i>(Sen. T. Casperson)</i>
49	4467		Yes	6/9	6/9	6/9/15	Corrections ; other; use of certain privately owned correctional facility to house certain adult inmates; allow. <i>(Rep. J. Bumstead)</i>
50	4071		Yes	6/8	6/9	9/7/15 #	Family law ; child custody; requirement to file motion for change of custody or parenting time order when parent is called to active military duty; modify. <i>(Rep. T. Barrett)</i>
51	4482		Yes	6/8	6/9	9/7/15 #	Family law ; child custody; requirement to file motion for change of custody or parenting time order when parent is called to active military duty; modify. <i>(Rep. K. Kesto)</i>
52		0009	Yes	6/8	6/9	9/7/15 #	Family law ; child custody; requirement to file motion for change of custody order when parent is called to active military duty; modify. <i>(Sen. R. Jones)</i>

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	HB	SB					
53	4188		Yes	6/11	6/11	9/9/15 #	Children; adoption; objection to placements by child placing agency based on religious or moral convictions; allow. (Rep. A. LaFontaine)
54	4189		Yes	6/11	6/11	9/9/15 #	Children; adoption; objection to placements by child placing agency based on religious or moral convictions; allow. (Rep. H. Santana)
55	4190		Yes	6/11	6/11	9/9/15 #	Children; adoption; licensure of child placing agency that objects to placements on religious or moral grounds; allow. (Rep. E. Leutheuser)
56	4041		Yes	6/10	6/11	6/11/15	Human services; services or financial assistance; family independence assistance program group's compliance with compulsory school attendance; require in order to receive assistance. (Rep. A. Pscholka)
57	4404		Yes	6/10	6/11	10/1/15	Employment security; funds; use of contingent funds for workforce training programs; allow. (Rep. L. Inman)
58	4409		Yes	6/10	6/11	10/1/15	Human services; services or financial assistance; families leaving family independence programs due to no longer meeting financial eligibility; eliminate monthly payment. (Rep. E. Poleski)
59	4444		Yes	6/10	6/11	10/1/15	Mental health; code; certain fees under the mental health code; modify, and provide other general amendments. (Rep. C. Afendoulis)
60	4449		Yes	6/10	6/11	10/1/15	Environmental protection; air pollution; air emission fees; modify. (Rep. R. Victory)
61	4470		Yes	6/9	6/11	10/1/15	Food; other; certain MDARD fees; increase. (Rep. J. Hoadley)

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	HB	SB					
62	4363		Yes	6/10	6/11	10/1/15	Occupations; mechanical contractors ; certain fees under the Forbes mechanical contractors act; modify. <i>(Rep. H. Santana)</i>
63	4382		Yes	6/10	6/11	10/1/15	Occupations; electricians ; certain fees under the electrical administrative act; modify. <i>(Rep. C. Afendoulis)</i>
64	4383		Yes	6/10	6/11	10/1/15	Occupations; inspectors ; building officials, inspectors, and plan reviewers; modify fees. <i>(Rep. C. Afendoulis)</i>
65	4384		Yes	6/10	6/11	10/1/15	Businesses; nonprofit corporations ; annual report fees under the nonprofit corporation act; modify. <i>(Rep. C. Afendoulis)</i>
66	4397		Yes	6/10	6/11	10/1/15	Businesses; business corporations ; annual report fees under the business corporation act; modify. <i>(Rep. G. Darany)</i>
67	4398		Yes	6/10	6/11	10/1/15	Trade; securities ; certain fees under the uniform securities act; modify. <i>(Rep. R. Kosowski)</i>
68	4399		Yes	6/10	6/11	10/1/15	Businesses; limited liability companies ; annual statement fees under the Michigan limited liability company act; modify. <i>(Rep. L. Love)</i>
69	4400		Yes	6/10	6/11	6/11/15	Agriculture; animals ; licensing fees related to livestock operators; extend sunset. <i>(Rep. N. Jenkins)</i>
70	4439		Yes	6/10	6/11	10/1/15	Vehicles; title ; tire disposal surcharge; earmark to the solid waste management fund and extend sunset. <i>(Rep. R. Victory)</i>

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	HB	SB					
71	4443		Yes	6/10	6/11	10/1/15	Law enforcement; fingerprinting; fees charged for fingerprinting and criminal record check; modify sunset. (Rep. A. Miller)
72	4445		Yes	6/10	6/11	10/1/15	Traffic control; other; disposition of commercial look-up service fees; extend sunset. (Rep. A. Pscholka)
73	4446		Yes	6/10	6/11	10/1/15	Traffic control; other; disposition of commercial look-up service fees; extend sunset. (Rep. A. Pscholka)
74	4364		Yes	6/10	6/11	10/1/15	Occupations; plumbers; certain fees under the state plumbing act; modify. (Rep. H. Santana)
75	4381		Yes	6/10	6/11	10/1/15	Occupations; licensing fees; occupational code fees under state license fee act; modify. (Rep. C. Afendoulis)
76	4448		Yes	6/10	6/11	10/1/15	Natural resources; inland lakes; inland lakes and streams application fees; modify. (Rep. R. Victory)
77	4568		Yes	6/10	6/11	10/1/15	Traffic control; other; disposition of commercial look-up service fees; extend sunset. (Rep. A. Pscholka)
78	4569		Yes	6/10	6/11	10/1/15	Vehicles; registration; vehicle registration tax credited to transportation administration collection fund; extend sunset. (Rep. A. Pscholka)
79		0100	No	6/16	6/16	**	Taxation; administration; prepayment of tax, penalty, and interest requirement as a prerequisite to filing a case regarding the assessment of tax in the Michigan court of claims; eliminate. (Sen. J. Brandenburg)

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	HB	SB					
80		0304	Yes	6/16	6/16	6/16/15	Occupations; junk and secondhand dealers; payment requirements for certain scrap metal purchase transactions; modify. <i>(Sen. M. Kowall)</i>
81	4434		Yes	6/16	6/16	10/1/15	Human services; county services; sunset on certain administrative rate changes to foster care services; eliminate, and make subject to appropriation. <i>(Rep. E. Poleski)</i>
82	4441		Yes	6/16	6/16	10/1/15	Environmental protection; other; water pollution, solid waste, and recycling fees and sewerage expedited review process; extend sunset. <i>(Rep. S. Roberts)</i>
83	4451		Yes	6/16	6/16	10/1/15	Agriculture; other; feed law; provide general amendments. <i>(Rep. N. Jenkins)</i>
84		0133	Yes	6/17	6/17	6/17/15 +	Appropriations; zero budget; omnibus budget appropriations bill; provide for. <i>(Sen. D. Hildenbrand)</i>
85	4115		Yes	6/17	6/17	6/17/15	Appropriations; zero budget; fiscal year 2015-2016 omnibus appropriations for school aid, higher education, and community colleges; provide for. <i>(Rep. A. Pscholka)</i>
86	4101		Yes	6/23	6/23	6/23/15	Appropriations; zero budget; supplemental appropriations; provide for fiscal year 2014-2015. <i>(Rep. A. Pscholka)</i>
87	4175		Yes	6/23	6/23	9/21/15	Torts; liability; liability of persons under equine activity liability act; limit to willful or wanton acts under certain circumstances. <i>(Rep. J. Johnson)</i>
88	4245		Yes	6/23	6/23	9/21/15	Occupations; inspectors; registration as a building official, plan reviewer, or inspector; eliminate employment with governmental subdivision as a requirement for and change renewal dates. <i>(Rep. A. Forlini)</i>

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	HB	SB					
89	4203		Yes	6/25	6/25	6/25/15 #	Businesses; nonprofit corporations; reference to "crippled children" in trustee corporation law; revise to "children and youth with special health care needs". (Rep. M. Callton)
90	4204		Yes	6/25	6/25	6/25/15 #	Human services; children's services; reference to "crippled children"; revise to "children and youth with special health care needs". (Rep. J. Graves)
91	4205		Yes	6/25	6/25	6/25/15	Health; children; reference to "crippled children"; revise to "children and youth with special health care needs" and change the date on licensing pharmacy technicians. (Rep. A. Schor)
92		0112	Yes	6/25	6/25	6/25/15 #	Records; health; reference to "crippled children"; revise to "children and youth with special health care needs". (Sen. C. Hertel)
93		0113	Yes	6/25	6/25	6/25/15 #	Human services; children's services; reference to "crippled children"; revise to "children and youth with special health care needs". (Sen. J. Marleau)
94		0114	Yes	6/25	6/25	6/25/15 #	Children; child care; reference to "crippled children"; revise to "children and youth with special health care needs". (Sen. M. O'Brien)
95	4468		Yes	6/30	6/30	6/30/15	Aeronautics; airport authority; regional airport authority; allow to be created. (Rep. R. VerHeulen)
96	4496		Yes	6/29	6/30	6/30/15	State financing and management; bonds; qualifying refunding bonds; provide for a school district to recalculate its millage levy. (Rep. R. Victory)
97	4497		Yes	6/29	6/30	6/30/15	State financing and management; bonds; qualification of refunding bonds; revise for schools that will not meet their final mandatory repayment date. (Rep. R. Victory)

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98	4271		Yes	6/29	6/30	9/28/15 #	Elections; scheduling; February regular election date; eliminate. (Rep. L. Lyons)
99	4276		Yes	6/29	6/30	9/28/15 #	Elections; scheduling; February regular election date; eliminate. (Rep. L. Lyons)
100	4272		Yes	6/29	6/30	9/28/15 #	Elections; scheduling; February regular election date; eliminate. (Rep. D. Lauwers)
101	4273		Yes	6/29	6/30	9/28/15 #	Elections; scheduling; February regular election date; eliminate. (Rep. K. Heise)
102	4274		Yes	6/29	6/30	9/28/15 #	Elections; scheduling; February regular election date; eliminate. (Rep. K. Kesto)
103	4385		Yes	6/29	6/30	9/28/15 #	Elections; scheduling; February regular election date; eliminate. (Rep. B. Jacobsen)
104	4447		Yes	6/30	6/30	10/1/15	Health facilities; other; certain fees under the public health code; modify, and provide other general amendments. (Rep. A. Pscholka)
105	4052		Yes	6/30	6/30	6/30/15	Labor; benefits; mandatory wage, benefit, leave time scheduling, training, or application information requirements; prohibit local units of government from establishing for employers. (Rep. E. Poleski)
106	4457		Yes	6/30	6/30	9/28/15	Children; adoption; adoption registry fee; eliminate. (Rep. J. Runestad)

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107		0217	Yes	6/30	6/30	6/30/15	Property tax; classification; reference to qualified forest in qualified agriculture definition; remove. (Sen. D. Booher)
108		0108	Yes	6/30	6/30	6/30/15	Libraries; district; district library establishment act; modify. (Sen. D. Zorn)
109	4325		Yes	7/7	7/7	7/7/15 #	Education; school districts; reporting of budgetary assumptions and certain periodic financial status reports; require as part of early warning system. (Rep. E. Poleski)
110	4326		Yes	7/7	7/7	7/7/15	Education; financing; preliminary review to determine the existence of probable financial stress in school districts; require under certain conditions and modify the state financial authority for certain school districts. (Rep. E. Poleski)
111	4327		Yes	7/7	7/7	7/7/15 #	Education; school districts; enhanced deficit elimination plans; provide. (Rep. A. Pscholka)
112	4328		Yes	7/7	7/7	7/7/15 #	School aid; other; deficit elimination plan requirement; revise. (Rep. L. Lyons)
113	4329		Yes	7/7	7/7	7/7/15 #	Education; financing; school district placement under control of an emergency manager for failure to comply with enhanced deficit elimination plan; provide for. (Rep. P. Somerville)
114	4330		Yes	7/7	7/7	7/7/15 #	School aid; payments; reference to deficit elimination plan compliance in school aid act; update, include enhanced deficit elimination plans, and revise other reporting requirements. (Rep. T. Kelly)
115	4331		Yes	7/7	7/7	7/7/15 #	Local government; financing; emergency municipal loan act; increase cap on emergency loans. (Rep. B. Jacobsen)

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- *** - See Act for applicable effective date.
- + - Line item veto.
- ++ - Pocket veto.
- # - Tie bar.

2015 Michigan Public Acts Table

PA No.	ENROLLED		I.E.* Yes/No	Governor Approved	Filed Date	Effective Date	SUBJECT
	HB	SB					
116	4332		Yes	7/7	7/7	7/7/15	State financing and management ; funds; surplus funds for certain emergency loans; modify. <i>(Rep. D. Garcia)</i>
117	4122		Yes	7/9	7/10	7/10/15	Taxation ; administration; film credits; sunset. <i>(Rep. D. Lauwers)</i>
118	4391		Yes	7/9	7/10	10/1/15	Agriculture ; pesticides; fertilizer fees; revise to provide regulatory support and research. <i>(Rep. D. Lauwers)</i>
119	4553		Yes	7/9	7/10	7/10/15	Property tax ; exemptions; general property tax act; modify filing deadlines, exemptions, and requirements. <i>(Rep. D. Maturen)</i>
120	4554		Yes	7/9	7/10	7/10/15	Property tax ; special assessments; state essential services assessment; modify certain definitions, dates, and filing requirements and provide for other general amendments. <i>(Rep. D. Maturen)</i>
121	4555		Yes	7/9	7/10	7/10/15	Property tax ; special assessments; alternative state essential services assessment; modify certain definitions, dates, and filing requirements and provide for other general amendments. <i>(Rep. K. Yonker)</i>
122	4556		Yes	7/9	7/10	7/10/15	Local government ; other; distribution of local community stabilization authority act share revenues; modify. <i>(Rep. K. Yonker)</i>
123	4557		Yes	7/9	7/10	7/10/15	Economic development ; plant rehabilitation; plant rehabilitation act; modify certain exemptions. <i>(Rep. J. Townsend)</i>
124	4558		Yes	7/9	7/10	7/10/15	Use tax ; rate; local community stabilization share tax rate; modify. <i>(Rep. J. Townsend)</i>

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PA No.	ENROLLED		I.E.* Yes/No	Governor Approved	Filed Date	Effective Date	SUBJECT
	HB	SB					
125	4226		Yes	7/15	7/15	7/15/15	Economic development ; economic development corporations; certified technology park distinct geographic areas; increase. <i>(Rep. D. Garcia)</i>
126		0165	Yes	7/15	7/15	7/15/15 #	Vehicles ; other; commercial quadricycles; allow to serve alcohol under certain circumstances and make other revisions to Michigan vehicle code. <i>(Sen. W. Schmidt)</i>
127		0166	Yes	7/15	7/15	7/15/15 #	Vehicles ; other; commercial quadricycle; define, and exclude from definition of "motor vehicle". <i>(Sen. T. Casperson)</i>
128	4319		Yes	7/15	7/15	7/15/15	Traffic control ; traffic regulation; criteria for vehicles to proceed without stopping at inactive railroad track grade crossings; amend. <i>(Rep. A. Nesbitt)</i>
129	4320		Yes	7/15	7/15	7/15/15	Transportation ; school vehicles; requirement for driver of school bus to stop at certain railroad track grade crossings; revise. <i>(Rep. A. Nesbitt)</i>
130		0069	Yes	7/22	7/22	7/22/15	Higher education ; community colleges; job training programs; revise sunset provision for new training agreements and clarify definition of new job. <i>(Sen. D. Booher)</i>

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