

# BULLETIN

FALL 2007

WWW.MICHIGAN.GOV/BCC



## DIRECTOR'S COLUMN - HENRY L. GREEN

This year has proven to be a tough year for the construction industry and the bureau has certainly felt the pinch. Due to declining revenue as a outcome of construction downturns, the bureau could no longer support all staff positions. This resulted in staff layoffs effective July 1, 2007.

While layoffs affected most program areas, the Boiler, Elevator Safety and the Land Survey and Remonumentation programs were not affected given separate funding sources and staffing levels. While the layoffs have taken a toll on staff within the bureau, they remain committed to our mission to assure the built environment and the systems within are sound, safe and sanitary; to assure building users that their health, safety and welfare are protected; and to assure consistent application of standards throughout the state through a coordinated program of prevention, code compliance, investigation and training.

To that end, the bureau is stepping up efforts to assure the safety of our citizens through effective, efficient and professional service. To assist in this effort, an online field services survey will be added to the bureau's website at [www.michigan.gov/bcc](http://www.michigan.gov/bcc). I encourage every permit holder (boiler, building, electrical, elevator, mechanical and plumbing) to provide constructive feedback about the bureau's inspection services. Customers are also encouraged to contact program managers about other services provided through the bureau's central offices.

Being cautiously optimistic, I look forward to an increasing level of work activity in 2008 for the entire construction industry. I want to take this opportunity to thank each of the staff within the Bureau of Construction Codes for their dedication to the State of Michigan and the Department of Labor and Economic Growth.

Thank you for the opportunity to serve you in 2007 and on behalf of the bureau, best wishes for a prosperous 2008.

### STATE HOLIDAYS OFFICES CLOSED:

NOVEMBER 22 & 23  
DECEMBER 24, 25 & 31  
JANUARY 1 & 21

# BOILER DIVISION

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## BOILER ACCIDENTS

By Robert Aben, Chief

### Boiler Division

The Boiler Division receives approximately 15 to 20 accident reports per year. Fortunately, most of these are not catastrophic failures and do not result in personal injuries. The boiler rules define accident as "...a sudden and accidental breakdown of a boiler or a part of a boiler resulting in physical damage...". Rule 163 places the responsibility for reporting the accident on the owner or user of the boiler. Either the owner's boiler insurance inspector or a state deputy inspector must investigate the accident before the boiler or any of its parts are moved or repaired. It is imperative that the investigation takes place before the boiler is disturbed in order to collect evidence important to determining the cause.

Although the rules identify the owner or user as the party responsible for reporting an accident, any licensee involved in the replacement or repair of a boiler as a result of an accident should question their contacts regarding the reporting requirements. Timely reporting and investigation of an accident benefits both the boiler owners and the industry by revealing information that can be used to correct or modify requirements for better control over operating boilers.

Questions should be directed to the Boiler Division at (517) 241-9334.

# BUILDING DIVISION

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## RESIDENTIAL ELEVATORS

By Larry Lehman, Chief

### Building Division

Elevators installed in private residences are part of the building system and subsequently part of the applicable laws to be considered when issuing a certificate of occupancy for any type of building. Based on the type of elevating device being installed, building and electrical permits may be required in addition to the required State of Michigan Elevator permits.



All elevating devices installed in or associated with a private residence are required to be installed by State of Michigan licensed elevator contractors and journeypersons. Some

devices such as Private Residence Stairway Chairlifts are attached to stairways and fold down when in use. Private Residence Stairway Chairlifts look like a chair that you sit in, and it moves up and down the stairs at an incline. When not in use, they may fold up and be parked at the top or bottom of the stairs so as not to restrict the stairway any more than necessary.

Another option is the Private Residence Inclined Platform Lift which also uses the stairway having a platform which travels at an incline. These lifts typically also fold up for times when they are not in use. The Inclined Platform Lift has a

large enough platform for someone to sit in a wheelchair and be carried up and down.

The Private Residence Vertical Platform Lift looks a little more like an elevator; it travels vertically, usually has doors or gates and also has a large enough platform for someone in a wheelchair to be carried up and down.

A Private Residence Elevator is even more like the elevators you may use every day, only quite a bit smaller. The doors and gates are usually manual which means you physically have to open and close them. However, once inside, they look pretty much like a regular elevator.

The Private Residence Inclined Elevator is usually installed outside the home, and its primary function is to provide access to two different elevations of the property. These devices travel at an incline, and it is not uncommon for them to provide access to areas 100 feet or more apart. Many are used to get from the home down to the beach or from a parking area up or down to the home. These devices provide the homeowner an easy way to reach areas that otherwise would require the use of stairs.

The Building Official should be involved in the approval process to insure any structural modifications and the means of egress associated with the residence comply with the Michigan Residential Code, or if applicable the Michigan Building Code. The installation of the elevator or elevating device must be installed by a licensed Michigan elevator contractor.

Questions regarding this article may directed to the Building Division at (517) 241-9317.

# ELECTRICAL DIVISION

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## 2005 MICHIGAN ELECTRICAL CODE

By Virgil Monroe, Chief  
Electrical Division

Great news! The 2005 Michigan Electrical Code (MEC) has been adopted. It will go into effect November 23, 2007. Below are a few important changes from the 2002 MEC, Part 8.

### 80.9 Application.

(a) New installations. The code applies to new installations. Buildings with construction permits dated after adoption of the code shall comply with its requirements.

(b) Existing installations. Existing electrical installations that do not comply with the provisions of the code shall be permitted to be continued in use unless the authority having jurisdiction determines that the lack of conformity with the code presents an imminent danger to occupants. Where changes are required for correction of hazards, a reasonable amount of time shall be given for compliance, depending on the degree of hazard.

(c) Additions, alterations, or repairs. Additions, alterations, or repairs to any building, structure, or premises shall conform to that required of a new building without requiring the existing building to comply with all the requirements of the code. Additions, alterations, installations, or repairs shall not cause an existing building to become unsafe or to adversely affect the performance of the building as determined by the authority having jurisdiction. Electrical wiring added to an existing service, feeder, or branch circuit shall not result in an installation that violates the provisions of the code in force at the time the additions are made.

### 80.11 Occupancy of building or structure.

(a) New construction. No newly constructed building may be occupied in whole or in part in violation of the provisions

of the code.

(b) Existing buildings. Existing buildings that are occupied at the time of adoption of the code shall be permitted to remain in use provided the following conditions apply:

- (1) The occupancy classification remains unchanged.
- (2) There exists no condition deemed hazardous to life or property that would constitute an imminent danger.

80.19 deletes (n) and adds (o) to the exemptions for permits. The addition of (o) to the code exempts the wiring of telecommunication equipment and related systems from the permitting requirements.

334.10 Uses Permitted. Type NM, NMC, and type NMS cables may be used in the following:

- (1) One- and 2-family dwellings.
- (2) Multifamily dwellings except as prohibited in section 334.12 of the code.
- (3) Other structures except as prohibited in section 334.12 of the code. In structures exceeding 1 floor above grade, cables shall be concealed within walls, floors, or ceilings that provide a thermal barrier of material that has at least a 15-minute finish rating as identified in listings of fire rated assemblies in accordance with the Michigan building code.
- (4) Cable trays in structures permitted to be types III, IV, or V where the cables are identified for the use.

You may print a complete copy of the 2005 Michigan amendments (Part 8) from the Bureau of Construction Codes website at [www.michigan.gov/bcc](http://www.michigan.gov/bcc) or purchase a copy at the Bureau office at 2501 Woodlake Circle, Okemos, Michigan.

Questions should be directed to the Electrical Division at (517) 241-9320.

Providing for  
Michigan's Safety  
in the Built Environment

# ELEVATOR SAFETY DIVISION

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## ELEVATOR IDENTIFICATION PLATES & TAGS

By Calvin W. Rogler, Chief  
Elevator Safety Division



All elevators are required by R 408.7005 to have an identification plate attached in the elevator and located in an approved area. The identification plate must show the rated load (capacity) in pounds and the State serial number of that specific elevator.

When an issue arises with a specific elevator the State serial number is invaluable in assuring the correct elevator is addressed. On occasion, the division will receive accident reports without the State serial number of the elevator involved. If the building only has one elevator, getting the right serial number is easy. However, if there is more than one elevator in the building, it is necessary to contact the building staff and try to get the information. There have been times when no one was sure which elevator was involved, since the

person making the complaint is not available and the serial number was not noted.

If someone is concerned and would like to know if the elevator has a “Certificate of Operation” they may call the Elevator Safety Division. Staff will ask for the serial number, search the database and provide the current status of the elevator.

The rated load (capacity) is also required to be shown on the identification plate inside the car, to help prevent overloading of the elevator.

Should you ride an elevator and notice there is not an identification plate visible, please inform the building staff. Someone from the building should call the Elevator Safety Division with the necessary information for appropriate follow-up.

If you have questions or concerns with regards to an elevator “Certificate of Operation”, please call the Elevator Safety Division at (517) 241-9337.

# MECHANICAL DIVISION

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## COMBUSTION AIR FOR FIREPLACE STOVES

By Tennison Barry, Chief  
Mechanical Division

The purpose of combustion air is to assure appliances have enough oxygen for the complete combustion of fuel, dilution of flue gases, and ventilation of the equipment or appliance and the space in which it is installed.

A Fireplace Stove is a free-standing, chimney-connected solid-fuel-burning heater designed to be operated with the fire chamber doors in either the open or closed position. The Michigan Mechanical Code (MMC) commentary states, “Fireplace stoves are generally of the free-standing type and heat a space by direct radiation.”

Combustion air for fireplace stoves is not covered in the Michigan Residential Code; however, Chapter 17 Combustion Air, M1701.1 of the MMC states in part, “The methods of providing combustion air in this chapter do not apply to fireplaces, fireplace stoves and direct-vent appliances.”

When the equipment is fueled by solid fuel, refer to Chapter 7 of the 2003 MMC. Chapter 7, on combustion air, is a chapter that should be read closely, if it is going to be enforced properly. Installers may do things that may not look familiar. Before the installation is rejected, one of two approaches may be used: (1) Request the installer to explain what is being done and which section of Chapter 7 the installation complies with; and (2) Review Chapter 7 to see if the installation is in compliance with any portion of the chapter. Do not assume that because the installation is not how you would have done it that it is in violation of the code.

In conclusion, when installing free standing fireplace stoves, combustion air must be supplied in accordance with Chapter 7 of the MMC.

Questions may be directed to the Mechanical Division at (517) 241-9325.

# OFFICE OF LAND SURVEY AND REMONUMENTATION

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## STATE BOUNDARY COMMISSION

By Christine Holmes, Commission Specialist  
Office of Land Survey & Remonumentation (OLS&R)

Transferred to OLS&R this past June, the State Boundary Commission (SBC) is the newest addition to the Bureau of Construction Codes. The SBC had previously been housed in the former Property Development Division until approximately eight years ago.

Created by statute in 1968, the SBC is responsible for adjudicating many types of municipal boundary adjustments: all city and village incorporations; all city, village and township consolidations; and many types of annexations from townships to cities.

The SBC is comprised of three appointees designated by the Governor, along with four local commissioners from each county who are appointed by the Chief Probate Judge of the respective county. Members serve for three year terms or until either reappointed or replaced by their appointing authority. SBC meetings are held on the third Thursday of each month, at 1:30 p.m., at 2501 Woodlake Circle, Okemos, MI 48864.

In processing petitions for boundary changes, including referendum petitions, the SBC is a quasi-judicial body that evaluates statutory criteria and protects due process of multiple interests (eg: property owners, developers, local units of government, advocacy groups, and local residents). The SBC has authority to recommend approval or denial of a petition. This recommendation can include an area that is smaller or larger than the territory proposed in the original petition.

Laws which govern decisions of the SBC are the Boundary Commission Act, the Boundary Commission Rules, the Home Rule City Act, the Home Rule Village Act, the Charter Township Act, and the Michigan Election Law.

Whether the petition is a request for an annexation, incorporation, or consolidation, each petition involves five specific steps:

- Filing of the petition.
- Determination of legal sufficiency.
- Public hearing.
- Adjudication.
- Findings of Fact.

Each one of these steps has certain procedures, requirements, and timelines which must be followed and met for a petition to proceed smoothly.

Petitions can only be filed at the business location of the SBC, either by mail or in person. Upon receipt, each petition is immediately assigned a docket identification number that reflects the year in which it is filed, the type of petition, and its numerical sequence by type. Within ten days of receipt, a "Notice of Filing" must be transmitted to the clerks of the local units of government. The notice is also

provided to state and local boundary commissioners, the petitioners, and any other designated parties.

The petition is then scheduled on the agenda of a regular monthly SBC meeting for legal sufficiency. OLS&R and SBC staff review the petition documents based on statutory criteria and submit their findings to the SBC for consideration. In reviewing the petition and staff findings, the SBC will determine whether the legal sufficiency criteria prescribed in statute and rules has been met. Some of the conditions that a petition must meet to be legally sufficient are:

1. All relevant boundaries must be consistent with the boundary data on file in the Office of the Great Seal (Secretary of State).
2. A map identifying the area proposed for a boundary adjustment and the legal description must be substantially accurate and consistent with each other.
3. The proposed area must be contiguous to the city limits (annexation petitions).
4. Properly recorded ownership documentation.

If the petition is not legally sufficient, a Findings of Fact which reflects the defects and reasons for rejection of legal sufficiency is adopted at a subsequent SBC meeting. This is a statutory formality in order to conclude action on the petition. If the petition is approved for legal sufficiency, the SBC sets a date for the public hearing, which is held in or reasonably near the involved municipalities of the petitioned area.

At the adjudicative meeting, the SBC considers the information received in the docket record and votes on what decision to recommend. The following step is adoption of a Findings of Fact document that reflects the SBC's recommendation, and outlines the facts relevant to the proposal and the considerations on which the commissioners based their decision. An Order, accompanied by the Findings of Fact document is then transmitted to the Director of DLEG requesting concurrence with the SBC's recommendation.

After the Order becomes effective, public officials and residents of the affected territory may appeal the decision by either requesting a referendum election, or they can file in Circuit Court for judicial review. If a referendum petition is filed within the statutory timeline, the SBC reviews the petition for validity at a monthly commission meeting. If this petition is deemed legally sufficient, the SBC will recommend that the Director sign a new Order to place the question on the ballot. If a majority of voters approve the referendum question, then proceedings continue toward drafting a charter for either the requested incorporation or consolidation, or the annexation is implemented. Otherwise, the proceedings are terminated.

Currently, the SBC has 13 active petitions in various stages of processing. Five of which are petition requests for village to city incorporations and 8 are requests for annexations.

Questions may be directed to the OLS&R at (517) 241-6321.

# PLAN REVIEW DIVISION

## NEW CODE IN EFFECT

By Irvin Poke, Chief  
Plan Review Division

The Michigan Electrical, Mechanical and Plumbing Codes have been updated and are scheduled to go into effect. The code books are now available as prescribed in the Stille-DeRossett-Hale Single State Construction Code Act, 1972 PA 230. The purpose of this article is to address issues that have been raised at prior code updates.

When do local units of government or the state start enforcing the new codes? The enforcement date is the effective date of the code. The codes are updated and adopted through the administrative rules process. This process prescribes specific steps and time lines that must be followed. The procedure provides for specific notice to local units of government to allow an orderly transition and implementation of the new codes. The Bureau of Construction Codes further facilitates this by posting progress and implementation on our website. The construction code rules typically take effect 120 days after filing with the Secretary of State and the code books are available to the public not less than 45 days prior to the effective date. This gives all interested and affected parties time to secure the codes and apply them to projects in the works.

Will there be a grace period? The effective date is the date that we start enforcing the provisions of the updated codes and applies to all submissions on or after that date. The grace period is the 120 days between the filing and effective date. This is enough time for all affected parties to review the code and make any adjustments necessary for compliance with the new regulations.

How are projects handled that are received before the effective date? Any applications received before the effective date of the new codes will be reviewed to the current codes.

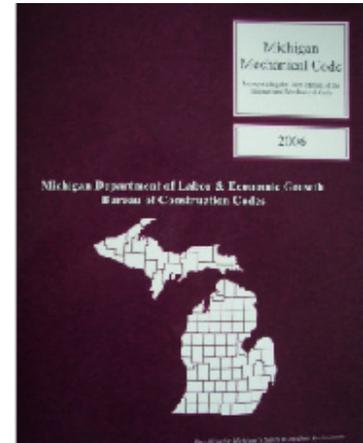
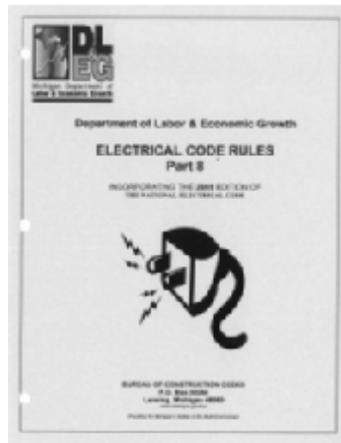
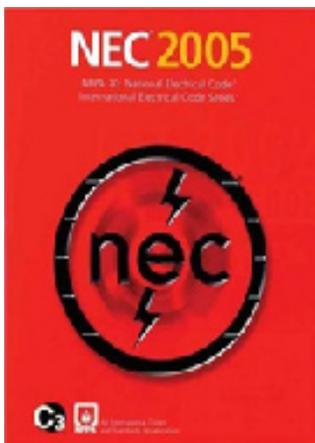
Once the project is approved, the permit must be secured within 180 days of the date of approval. Michigan Building Code (MBC), Section 105.3.2 sets this time limitation for the application for a permit, and after 180 days, the project is considered abandoned. If the building permit is issued, the work must be started within 180 days, as the permit will expire in accordance with MBC, Section 105.5.

How are projects handled that are received on or after the effective date? Such projects will be reviewed and approved to the new requirements. We will use the date of receipt of the application for plan review, or the permit if plan review is not required.

What is the procedure for phased projects? A phased project in this context is one where the schedule for completion of the entire project is submitted with the application for plan review. The project must be continuously pursued and may continue under the code for which it was approved. The schedule must be date specific with a completion date certain. Projects where construction was not actively pursued for 180 days or more are considered abandoned and will require a new permit when resumed, and subject to the code in effect at that time.

What happens to approved prototype projects? The applicant for these projects should be notified of the code update and the projects not already commenced must comply with the new requirements. And, therefore, construction documents must be submitted to show compliance with the new provision. When the new approval is issued, it should state that the construction documents must be updated when the code is updated.

Questions may be directed to the Plan Review Division at (517) 241-9328.



# PLUMBING DIVISION

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## REQUIRED CODE UPDATE CLASS FOR ALL MASTER & JOURNEY

### LICENSEES

By Robert Konyndyk, Chief  
Plumbing Division

The Plumbing Division has received numerous inquiries concerning the pending adoption of the new 2006 Michigan Plumbing Code (MPC), with the law requirement of code update training.

The 2006 MPC will be effective January 24, 2008 with new code books being available the first week of December. This provides sufficient time for inspectors to receive updated training and new code instructors to prepare for class training on the Plumbing Code Update Course for the next license renewal.

The State Plumbing Act, 2002 PA 733, Sections 23 (2) and 25 (2) requires licensed master and journey plumbers to complete approved code update classes within 12 months after the plumbing code change. Course completion shall be accomplished prior to license renewal. The State Plumbing Board has determined that the course shall again consist of not less than 5 hours of instruction addressing the 2006 MPC

and the State Plumbing Act. The law requirement was enacted to insure that all licensees would have the most recent code information to operate in a safe manner while serving the public.

The Plumbing Division has initiated the process for instructors wishing to conduct new Code Update Courses. Previously approved instructors will be required to reapply with new course content information. Class course applications and attendance forms are available on the Bureau's website at [www.michigan.gov/bcc](http://www.michigan.gov/bcc). A course content outline will be made available to potential instructors upon request. A completed summary of the outline which will be provided to attendees is required prior to course approval. Later, as course submissions are processed, a list of approved course providers will be placed on the website. This division will not maintain individual course provider schedules for classes.

Questions regarding this matter may be directed to Robert Konyndyk at 517-241-9330.

### UNAPPROVED PLUMBING PRODUCT

By Robert Konyndyk, Chief  
Plumbing Division

Due to several inquiries regarding unapproved no hub pipe and fittings manufactured in China, we felt it was necessary to note that a Certificate of Acceptance Application (Petition Application for Approval of Material, Product or Method) submitted by an importer for this product was recently denied

by the Construction Code Commission (CCC). The CCC's decision was based upon the lack of product conformance to requirements and standards, following numerous efforts to resolve testing concerns.

Questions regarding this matter may be directed to Robert Konyndyk at 517-241-9330.

### BOARD AND COMMISSION MEETINGS

<u>Meeting</u>	<u>Date</u>	<u>Time</u>	<u>Location</u>
Barrier Free Design Board	Nov 16 - Cancelled	9:30 am	Okemos – Suite 116
	Jan 18	9:30 am	Okemos – Conf Room 3
Board of Boiler Rules	Dec 11	9:30 am	Okemos – Conf Room 3
State Boundary Commission	Dec 13, Jan 17	1:30 pm	Okemos – Conf Room 3
Construction Code Commission	Jan 9	9:30 am	Okemos – Conf Room 3
Electrical Administrative Board	Dec 14, Feb 1	9:30 am	Okemos – Conf Room 3
Elevator Safety Board	Jan 11	9:30 am	Okemos – Conf Room 3
Manufactured Housing Commission	Dec 19, Feb 13	10:00 am	Okemos – Conf Room 3
Board of Mechanical Rules	Jan 23	9:00 am	Okemos – Conf Room 3
State Plumbing Board	Dec 11	10:00 am	Okemos – Conf Room 1
	Feb 6	10:00 am	Okemos – Conf Room 3

# OFFICE OF MANAGEMENT SERVICES

## PROTECTING YOUR IDENTITY

**By Rebecca Hamilton, Secretary**  
**Office of Management Services (OMS)**

Protecting your identity from wrongful use is a priority that is of utmost concern to you as a consumer, as well as to staff within the Bureau of Construction Codes (BCC). Identity theft can cause significant pressure on consumers, not to mention the emotional price its victim may pay.

BCC has procedures in place designed to protect the personal information of our customers. For instance, when completing forms required by the Bureau, it is important to

thoroughly complete the form with all requested information, and unless specifically requested, do not attach copies of documents that contain personal information (ie. copy of drivers licenses). The protection of your identity is as much a priority to the bureau as it is to you. If you believe you have become a victim of identity theft, please visit the Office of Attorney General's website at [www.michigan.gov/ag](http://www.michigan.gov/ag). There are several key pieces of advice about what steps to take to protect your identity.

Questions may be directed to OMS at (517) 241-9313.

# OFFICE OF LOCAL GOVERNMENT AND CONSUMER SERVICES

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## MANUFACTURED HOUSING COMMISSION

**By Kevin DeGroat, Regulation Specialist**  
**Office of Local Government & Consumer Services (OLGCS)**

The Manufactured Housing Commission (MHC) issued an Order at its June 20, 2007, meeting requiring a manufactured housing retailer to return to a customer the \$10,000 remainder of a \$30,000 consumer deposit the customer paid for a manufactured home. The retailer, which contested the Bureau's position that the MHC's Rules required it to refund the entire deposit after lender financing failed, subsequently repaid the \$10,000 before the Order's penalty deadline requiring an added \$10,000 fine, license revocation, exclusion of the operator from the industry, and restitution to customers for any losses

suffered, if the retailer failed to comply within 60 days. Previous Bureau administrative action prompted the retailer to refund \$20,000 of the \$30,000 deposit in October 2006.

The customer's complaint was presented to the MHC for final action after the licensee failed to comply with previous correspondence, Consent Agreements and Orders offering repeated opportunities to satisfy the requirements of the Mobile Home Commission Act.

Questions may be directed to OLGCS at (517) 241-9347.

## BCC CONTACT INFORMATION

### Telephone Numbers:

Administration (517) 241-9302  
Office of Administrative Services (517) 335-2972  
Office of Management Services (517) 241-9313  
Boiler Division (517) 241-9334  
Building Division (517) 241-9317  
Electrical Division (517) 241-9320  
Elevator Safety Division (517) 241-9337  
Mechanical Division (517) 241-9325  
Office of Local Government & Consumer Services (517) 241-9347  
Office of Land Survey & Remonumentation (517) 241-6321  
(includes State Boundary Commission)  
Plan Review Division (517) 241-9328  
Plumbing Division (517) 241-9330

### Facsimile Numbers:

Administration & Office of Administrative Services (517) 241-9570  
Office of Management Services & Plumbing Div. (517) 373-8547  
Building, Electrical, Mechanical & Plan Review Div. (517) 241-9308  
Office of Land Survey & Remonumentation, Boiler & Elevator  
Safety Divisions (517) 241-6301

### Mailing Addresses:

P.O. Box 30254 (Codes: general correspondence)  
P.O. Box 30255 (Codes: permits, licenses, and other documents  
containing payment)  
P.O. Box 30704 (Office of Land Survey & Remonumentation)  
Lansing, Michigan 48909

## LICENSE EXAMINATION DATES

### BCC ONLINE SERVICES

[Online License Search](#)  
[Disciplinary Action Report](#)  
[Easy Access to Permit & License Verification](#)  
[Statewide Search for Subdivision Plats](#)  
[Statewide Search for Remonumentation Data](#)  
[County Remonumentation Data Entry](#)  
[Building System Approval Reports](#)  
[Online Code Training Series](#)

### BCC QUICK LINKS

[Online Permitting](#)  
[Online License Renewals](#)  
[Codes & Standards Order Form](#)  
[Statewide Jurisdiction List](#)  
[Local School Construction Enforcement List](#)  
[Product Approvals](#)

The Bulletin is a quarterly publication of the Bureau of Construction Codes within the Department of Labor & Economic Growth.

#### **Editor in Chief**

Henry L. Green

#### **Editor:**

Beth Hunter Aben

Created under the authority of  
1972 PA 230.

<u>Examination</u>	<u>Date</u>	<u>Location</u>	<u>Deadline</u>
Boiler Installer and Repairer	Dec 5, 6	Okemos	Nov 2
Boiler National Board	Dec 5, 6	Okemos	Nov 2
Electrical/Fire Alarm/Sign Contractor	Nov 20 Jan 22	Okemos Okemos	Oct 23 Dec 21
Electrician - Journeyman	Dec 10, 11, 12	Okemos	Nov 12
Electrician - Master	Dec 13	Okemos	Nov 15
Elevator - Contractor/Cert. of Comp.	Jan 11	Okemos	Dec 21
Elevator Journeyman	Jan 8	Okemos	Dec 18
Mechanical Contractor	Dec 4	Lansing	Nov 1
Plumbing - Contractor	Dec 19	East Lansing	
Plumbing - Master and Journey	Dec 12	East Lansing	

**Dates and times are subject to change. Visit the BCC website for updates.**