



RICK SNYDER
GOVERNOR

STATE OF MICHIGAN
DEPARTMENT OF LICENSING AND REGULATORY AFFAIRS
BUREAU OF CONSTRUCTION CODES
IRVIN J. POKE
DIRECTOR

STEVEN H. HILFINGER
DIRECTOR

**CONSTRUCTION CODE COMMISSION
BUREAU OF CONSTRUCTION CODES**

Conference Room 3, First Floor
2501 Woodlake Circle
Okemos, Michigan 48864

AGENDA

July 6, 2011

9:30 a.m.

1. Call to Order and Determination of Quorum
2. Approval of Agenda (Pages 1-2)
3. Approval of Minutes – April 6, 2011 (Pages 9-14)
4. Director's Report I. Poke
5. Recommendation to Conduct Performance Evaluation I. Poke
 - a) Charter Township of Royal Oak – Document #11-19
(Pages 15-18)
6. Report of Assistance to Local Enforcing Agencies – Document # 11-20 K. Lambert
(Page 19)
7. Rescinding Ordinances – Document # 11-21 M. Somers
(Pages 20-21)
8. Applications for Program Approval – Document # 11-16 L. Lehman
(Pages 22-28)
9. Applications for Instructor Approval – Document # 11-17 L. Lehman
(Pages 29-31)
10. Applications for Inspector Registration
 - a) Recommendation of Approval – Document #11-18 a-f L. Lehman
(Pages 32-38)
 - b) Recommendation for Denial – Document #11-15 I. Poke
(Pages 39-40)

Providing for Michigan's Safety in the Built Environment

Agenda - Construction Code Commission – July 6, 2011
Page 2

11. Product Approvals

- a) Watts Radiant (Mechanical) – Document #11-22
(Pages 41-64) K. Kalakay
- b) Mr. Jason Sisler (Plumbing) – Document #11-23
(Pages 65-68) R. Konyndyk
- c) American Hometec, Inc. (Plumbing) – Document #11-24
(Pages 69-71) R. Konyndyk
- b) Kohler Company (Plumbing) – Document #11-25
(Pages 72-74) R. Konyndyk

12. Certificate of Acceptability

T. Cordill

- a) CID Associates, Inc. – CA #529 – Document #11-26
(Page 75)
- b) Sturdisteel Co-Div of Schultz Industries, Inc. – CA #514 – Document #11-27
(Page 76)
- c) Shelton One, Inc. – CA #530 – Document #11-28
(Page 77)

13. Public Comment

14. Old Business

15. New Business

16. 2011 Schedule – October 5

17. Adjournment

The meeting site and parking is accessible. Individuals attending the meeting are requested to refrain from using heavily scented personal care products, in order to enhance accessibility for everyone. People with disabilities requiring additional services (such as materials in alternative format) in order to participate in the meeting should call Brenda Caron at (517) 241-9302 at least 10 work days before the event.



RICK SNYDER
GOVERNOR

STATE OF MICHIGAN
DEPARTMENT OF ENERGY, LABOR & ECONOMIC GROWTH
LANSING

ANDREW S. LEVIN
ACTING DIRECTOR

CONSTRUCTION CODE COMMISSION
DEPARTMENT OF ENERGY, LABOR & ECONOMIC GROWTH
BUREAU OF CONSTRUCTION CODES
Conference Room 3, First Floor
2501 Woodlake Circle
Okemos, Michigan 48864

MINUTES
January 5, 2011
9:30 a.m.

MEMBERS PRESENT

Mr. Mark Bauer
Mr. William Benoit, Jr.
Mr. Robert DeBerardino
Mr. Roger Donaldson
Mr. Ronald Farr
Ms. Dawn Holtrop
Mr. Robert Jagenberg
Ms. Sheilah Johnson
Mr. Ken Lawless
Mr. Jack Lewis
Mr. Sean O'Neil
Mr. Don Pratt (Chair)
Ms. Beth Yorke

MEMBERS ABSENT

Mr. Duane Branch
Ms. Kelly Hunt
Mr. Nelson McMath
Mr. Ed Tatem

DEPARTMENT OF ENERGY, LABOR & ECONOMIC GROWTH PERSONNEL
ATTENDING

Mr. Irvin J. Poke, Director
Ms. Beth Aben, Deputy Director
Ms. Brenda Caron, Interim CCC Secretary, Building Division
Mr. David Vigas, Director, Office of Management Services
Ms. Deb Young, Director, Office of Administrative Services
Mr. Michael Somers, Analyst, Office of Administrative Services
Ms. Hillary Cushman, Secretary, Office of Administrative Services
Mr. Larry Lehman, Chief, Building Division
Mr. Charles Curtis, Assistant Chief, Building Division
Mr. Todd Cordill, Chief, Plan Review Division

Providing for Michigan's Safety in the Built Environment

BUREAU OF CONSTRUCTION CODES
P.O. BOX 30254 • LANSING, MICHIGAN 48909
Telephone (517) 241-9302 • Fax (517) 241-9570
www.michigan.gov/dleg

DELEG is an equal opportunity employer/program.
Auxiliary aids, services and other reasonable accommodations are available upon request to individuals with disabilities.

Mr. Daniel O'Donnell, Chief, Electrical Division
Mr. James Hennesey, Assistant Chief, Electrical Division
Mr. Kevin Kalakay, Chief, Mechanical Division
Mr. Jon Paradine, Assistant Chief, Mechanical Division
Mr. Robert Konyndyk, Chief, Plumbing Division
Mr. Andy Neuman, Assistant Chief, Plumbing Division

OTHERS IN ATTENDANCE

Mr. Chris Fisher, ABC
Mr. Mark Kidd, MIACCA
Mr. Ernest Little
Ms. LaDonna Little
Ms. Cindy Maher, MPMCA
Mr. Lee Schwartz, MAHB

1. CALL TO ORDER AND DETERMINATION OF QUORUM

Chairperson Pratt called the meeting to order at approximately 9:30 a.m. A quorum was determined present at that time.

2. APPROVAL OF AGENDA

A **MOTION** was made by Commissioner O'Neil and supported by Commissioner Donaldson to approve the agenda. **MOTION CARRIED.**

3. APPROVAL OF MINUTES

A **MOTION** was made by Commissioner Benoit and supported by Commissioner Lawless to approve the minutes of the October 6, 2010 meeting. **MOTION CARRIED.**

4. DIRECTOR'S REPORT

Mr. Poke reported that all the Bureau retirements are effective except one. Beth Aben's retirement has been extended until March 31, 2011. So this will be her last Construction Code Commission meeting prior to her retirement. She has been a real asset to the Bureau, and it's been a pleasure working with her. She'll be greatly missed, but we wish her the best in her retirement.

Amie Ostrander is no longer with the Bureau. She took a position with the Department of Technology, Management & Budget. She is now in the Budget Office and has moved on to bigger and better things. She will return to attend the Joint COCM/BCC training to be held on January 25-26, 2011. In the interim, Brenda Caron, from the Building Division, and Hillary Cushman, from the Office of Administrative Services, will be handling the Commission meetings and assisting with administrative support duties until Amie's position is filled.

On January 3, 2011, Andrew Levin issued a notice to staff that he has been extended as Acting Director for the Department for the next two to three months, until the Snyder Administration decides the future of DELEG.

Mr. Poke was pleased to report there have been a number of promotions within the Bureau. Kevin Kalakay is now the Chief of the Mechanical Division, and Jon Paradine has been promoted to Assistant Chief of the Mechanical Division. Also, Mark Moore has been promoted to Assistant Chief of the Boiler Division.

Mr. Poke recognized Deb Young, Sue Brace and Hillary Cushman for doing an excellent job of addressing our personnel needs during this time with all the retirements and staff movements. They've did a great job of getting our job vacancies posted and getting the process started.

Mr. Poke announced that the 2009 Michigan Building Code is now available in the loose-leaf version, as well as the 2009 Michigan Rehabilitation Code. The soft bound books will be available on January 11th, as well as the 2009 Michigan Residential Code loose-leaf version. Also, the 2009 Michigan Uniform Energy Code will be available the week of January 17th.

Mr. Poke was pleased to announce that the Bureau's Boiler and Elevator Divisions and Office of Land Survey staff that are currently housed at the Mercantile Office building in Lansing, will be moving to this office probably within the next two weeks.

5. **REPORT OF ASSISTANCE TO LOCAL ENFORCING AGENCIES**
Document 11-05

Ms. Beth Aben presented, for information only, a list of municipalities for which the bureau is providing assistance.

6. **APPLICATIONS FOR PROGRAM APPROVAL**
Document 11-01

Mr. Larry Lehman presented a list of continuing education program applications for approval. The programs were reviewed and found to be in compliance with the registration rules and it is the recommendation of staff that the programs be approved.

A **MOTION** was made by Commissioner Farr and supported by Commissioner Bauer to approve the applications as submitted. **MOTION CARRIED.**

7. **APPLICATIONS FOR CONTINUING EDUCATION INSTRUCTOR APPROVAL**
Document 11-02

Mr. Larry Lehman presented a list of continuing education instructor applications for approval. Each has documented training and education in compliance with the registration rules, and it is the recommendation of staff that the instructors be approved.

A **MOTION** was made by Commissioner Lewis and supported by Commissioner Donaldson to approve the applications as submitted. **MOTION CARRIED.**

8. a) **APPLICATIONS FOR REGISTRATION OF CODE OFFICIALS –**
RECOMMENDATION FOR APPROVAL
Document 11-03a-f

Mr. Larry Lehman presented a list of applications for registration as building officials, building inspectors, plan reviewers, electrical inspectors, mechanical inspectors and plumbing inspectors. It is the recommendation of staff that the individuals listed be approved.

A **MOTION** was made by Commissioner Benoit and supported by Commissioner O'Neil to approve the applications as submitted. **MOTION CARRIED.**

8. b) **APPLICATIONS FOR REGISTRATION OF CODE OFFICIALS –**
RECOMMENDATION FOR DENIAL
Document 11-07

Mr. Irvin Poke presented an application for registration as a building inspector and plan reviewer for Mr. Ernest Little. It is the recommendation of staff that Mr. Little's application be denied.

After discussion, a **MOTION** was made by Commissioner Benoit and supported by Commissioner Donaldson to deny the application. **MOTION CARRIED.**

9. **PERFORMANCE EVALUATION REPORT**

a) **Menominee County — Document 11-04**

Mr. Michael Somers presented a performance evaluation report of Menominee County. It is the recommendation of staff to accept the report with the recommendations as outlined.

After discussion, a **MOTION** was made by Commissioner DeBerardino and supported by Commissioner Bauer to accept the recommendation of staff. **MOTION CARRIED.**

10. **APPLICATION FOR COMPLIANCE ASSURANCE NO. 527**

Mr. Todd Cordill presented the following Compliance Assurance No. 527 for issuance of a Certificate of Acceptability. It is the recommendation of staff to issue a Certificate of Acceptability to:

a) **Blue Ridge Log Cabins
Document 11-06**

A **MOTION** was made by Commissioner O'Neil and supported by Commissioner Lawless to approve this manufacturer for compliance assurance in the State of Michigan. **MOTION CARRIED.**

11. **PETITION FOR APPROVAL OF MATERIALS, PRODUCTS & METHODS
(Plumbing)**

Mr. Robert Konyndyk presented the following product for installation and use in the State of Michigan. It is the recommendation of staff and the State Plumbing Board that the following product be approved:

a) **WADE HydroMax, Siphonic Primary Roof Drainage System – Document 11-08**

A **MOTION** was made by Commissioner DeBerardino and supported by Commissioner Yorke to approve this product for installation and use in the State of Michigan subject to the conditions of use and installation. **MOTION CARRIED.**

12. **PUBLIC COMMENT**

Mr. Lee Schwartz (MAHB), together with Ms. Cindy Maher (MPMCA) and Mr. Chris Fisher (ABC), provided the Commissioners with documents related to a lawsuit that has been filed by their organizations against the City of Troy and gave a brief overview of the lawsuit.

13. **OLD BUSINESS**

Ms. Beth Aben wished to thank everyone for their commitment and dedication. She indicated that it has been her honor and privilege to serve the State of Michigan for 35 years. She will truly miss what we do here in the Bureau. It's been a pleasure knowing and working with all of you.

14. **NEW BUSINESS**

None

15. **2011 MEETING SCHEDULE** – April 6, July 6, October 5

Chairperson Pratt indicated that some of the Commissioners' terms expire at the end of January. He noted that you are a member of this Commission until you are replaced. So anyone that is sitting as a Commissioner today will remain as a Commissioner even if your term expires.

Mr. Irvin Poke indicated that any of the Commissioners that are interested in continuing to serve, there is an application process and he would encourage you to make your application and get it into the record. We don't know when the new administration is going to be handling commission and board appointments, but they will be doing so from whatever lists they have on file.

Chairperson Pratt requested that Bureau staff send an application to any of the Commissioners that are up for reappointment, and they'll go from there.

16. **ADJOURNMENT**

A **MOTION** was made by Commissioner Farr and supported by Commissioner Donaldson to adjourn the meeting at approximately 10:25 a.m. **MOTION CARRIED.**

APPROVED:



Chairman, Construction Code Commission

4.6.11
Date



RICK SNYDER
GOVERNOR

STATE OF MICHIGAN
DEPARTMENT OF ENERGY, LABOR & ECONOMIC GROWTH
LANSING

STEVEN H. HILFINGER
DIRECTOR

CONSTRUCTION CODE COMMISSION
BUREAU OF CONSTRUCTION CODES
Conference Room 3, First Floor
2501 Woodlake Circle
Okemos, Michigan 48864

MINUTES
April 6, 2011
9:30 a.m.

MEMBERS PRESENT

Mr. Thomas Baldwin
Mr. Mark Bauer
Mr. Duane Branch
Mr. William Benoit, Jr. (Chair)
Mr. Roger Donaldson
Mr. Frederick Butters
Mr. Roger Papineau
Mr. William Duffield
Mr. Matthew Reno
Mr. Tony Sanfilippo

MEMBERS ABSENT

Mr. James Cash
Mr. Robert Jagenberg
Mr. Jack (Clifton) Lewis
Mr. Sean O'Neil
Mr. Beth Yorke

DEPARTMENT OF ENERGY LABOR & ECONOMIC GROWTH PERSONNEL
ATTENDING

Mr. Irvin J. Poke, Director
Mr. Keith Lambert, Deputy Director
Ms. Amie Ostrander, Analyst, Office of Management Services
Ms. Hillary Cushman, Secretary to Ms. Young
Mr. David Vigas, Director, Office of Management Services
Ms. Deb Young, Director, Office of Administrative Services
Mr. Larry Lehman, Chief, Building Division
Mr. Charles Curtis, Assistant Chief, Building Division
Mr. Michael Somers, Analyst, Office of Administrative Services
Mr. Daniel O'Donnell, Chief, Electrical Division
Mr. James Hennesey, Assistant Chief, Electrical Division
Mr. Kevin Kalakay, Chief, Mechanical Division
Mr. Robert Konyndyk, Chief, Plumbing Division
Mr. Andy Neuman, Assistant Chief, Plumbing Division

Providing for Michigan's Safety in the Built Environment

BUREAU OF CONSTRUCTION CODES
P.O. BOX 30254 • LANSING, MICHIGAN 48909
Telephone (517) 241-9302 • Fax (517) 241-9570
www.michigan.gov/dleg

DELEG is an equal opportunity employer/program.
Auxiliary aids, services and other reasonable accommodations are available upon request to individuals with disabilities.

OTHERS IN ATTENDANCE

Mr. Steve Crane, LCHBA
Mr. Jim Rowell, Livingston County
Mr. Stephen Davis, Livingston County Home Builders
Mr. Lee Schwartz, MAHB
Mr. Julie Fielek, LCHBA
Mr. Boyd Buchanan, HBALC
Ms. Cindy Maher, MPMCA
Ms. Kelly VanMarter, Genoa Township
Mr. Michael Archinal, Genoa Township
Mr. Gary T. McCririe, Genoa Township
Mr. Frank Mancuso, Genoa Township
Mr. Lynn Briggs, SMACNA/MIAM/MMIA
Mr. Dennis Smith, Genoa Township
Mr. Gerald Carrico, McDonald Modular
Mr. Bill Sheffer, Michigan Manufactured Housing Association
Mr. Mark Kidd, MIACCA
Mr. Ron Brown, NFSA Wayne Jewell

1. **CALL TO ORDER AND DETERMINATION OF QUORUM**

Chairperson Benoit called the meeting to order at approximately 9:30 a.m. A quorum was determined present at that time.

2. **APPROVAL OF AGENDA**

Commissioner Donaldson moved to approve the agenda. Commissioner Branch second the motion. **MOTION CARRIED.**

3. **APPROVAL OF MINUTES**

Commissioner Bauer moved to approve the minutes of the January 5, 2011, meeting. Commissioner Donaldson second the motion. **MOTION CARRIED.**

4. **DIRECTOR'S REPORT**

Mr. Poke welcomed all new Commissioners. He stated that they had their orientation prior to the meeting and should be able to hit the ground running.

Effective April 24, 2011, the Department of Energy, Labor and Economic Growth will become the Department of Licensing and Regulatory Affairs (LARA).

The 2009 Building, Residential, Rehabilitation and Energy Codes went into effect March 9, 2011.

March 9, a number of construction industry organizations met with Director Hilfinger and Deputy Director DeBano to show support for the Bureau of Construction Codes.

The ICC 2012 Codes should be available at the end of the month. The Bureau will start to look at the codes later this year.

Mr. Poke introduced Mr. Keith Lambert as the Bureau's new Deputy Director.

COCM is currently in session in Kalamazoo.

Mr. Poke indicated that he would be presenting at the Huron Valley Building Officials Association at Washtenaw Community College on April 7, 2011 to give a Legislative and Bureau update.

Mr. Poke was pleased to announce the return of Amie Ostrander. She returned to the Bureau as an analyst in the Office of Management Services. In the absence of a new assistant for Mr. Poke, Amie helped out with this meeting because she is familiar with the process. We're all glad to have Amie back.

5. REPORT OF ASSISTANCE TO LOCAL ENFORCING AGENCIES

Mr. Keith Lambert presented, for information only, projects for which the bureau is providing assistance.

6. APPLICATION FOR APPROVAL TO ADMINISTER AND ENFORCE
Document 11-09a & 11-09b

Mr. Michael Somers presented applications for approval to administer and enforce with appropriate or proposed ordinances as outlined in Document 11-09 a-b.

Commissioner Reno moved to accept the recommendation of staff to approve the applications and ordinances to administer and enforce. Commissioner Donaldson second the motion. **MOTION CARRIED.**

7. APPLICATION FOR APPROVAL TO ADMINISTER AND ENFORCE
Document 11-09c

Mr. Irvin Poke presented an application for approval to administer and enforce for the Township of Genoa. It is the recommendation of staff to deny this application and ordinances to administer and enforce.

The following discussion ensued:

Mr. Steve Crane, President, LCHBA, provided documentation and other information to support their opposition to the Genoa Township Application to Administer and Enforce.

Mr. Jim Rowell, Building Director, Livingston County Building Department stated that he was present to answer any questions regarding the county program in reference to the Genoa Township Application to Administer and Enforce.

Mr. Lee Schwartz (MAHB) together with Ms. Cindy Maher (MPMCA) and Mr. Chris Fisher (ABC) welcomed all the new commissioners and stated their opposition to the Genoa Township Application to Administer and Enforce, most notably the fee structure.

Ms. Cindy Maher (MPMCA) stated that her organization opposes the Genoa Township Application to Administer and Enforce.

Mr. Gary McCririe, Genoa Township Supervisor, stated that the Genoa Township Application to Administer and Enforce has been submitted to the Commission in response to complaints of county services by constituents and customers. They provided their application in a timely manner and responded to concerns within a timeframe set forth by Mr. Somers. Mr. McCririe stated that they will be responsive and answer any questions the Bureau has referencing the application.

Mr. Frank Mancuso, Attorney, Genoa Township spoke addressing all twelve of the concerns set forth by the Bureau in response to the Genoa Township Application to Administer and Enforce.

Mr. Lynn Briggs spoke representing SMACNA and MIA stating that they are very much opposed to the Genoa Township Application to Administer and Enforce.

Mr. Poke addressed the statements from Genoa Township regarding submitting a timely application. He advised the Commission that the Township only submitted an application after they were contacted by the Bureau of Construction Codes, to advise them that they could not start a local code enforcement program which they were advertising to start February 1, 2011 without prior approval. Mr. Poke also stated that the Township didn't respond to the comments generated by the Bureau from the initial application until the day the information was due to be posted on the web. In response to the comments from the Township regarding constituent complaints, Mr. Poke stated that the Commission has the authority to investigate such complaints, however, none have been received.

Mr. Mike Archinal, Genoa Township Manager, stated that the Township is trying to comply with the laws for their Application to Administer and Enforce to improve the service for their customers. He advised the Commission that this is not about profit, but service.

Commissioner Donaldson asked if the issues with the Genoa Township Application to Administer and Enforce were things that could be corrected and later be approved.

Mr. Poke responded that this is new ground and would need to be researched.

Chairman Benoit expressed his opinion supporting the denial of the Genoa Township Application to Administer and Enforce.

Commissioner Baldwin moved to accept the recommendation of staff to deny the application and ordinances to administer and enforce. Commissioner Branch second the motion. **MOTION CARRIED.**

8. **APPLICATIONS FOR PROGRAM APPROVAL**
Document 11-10

Mr. Larry Lehman presented a list of continuing education program applications for approval. The programs were reviewed and found to be in compliance with the registration rules and it is the recommendation of staff that the programs be approved.

Commissioner Bauer moved to accept the recommendation of staff to approve the programs. Commissioner Donaldson second the motion. **MOTION CARRIED.**

9. **APPLICATIONS FOR CONTINUING EDUCATION INSTRUCTOR APPROVAL**
Document 11-11

Mr. Larry Lehman presented a list of continuing education instructor applications for approval. Each has documented training and education in compliance with the registration rules, and it is the recommendation of staff that the instructors be approved.

Commissioner Baldwin moved to accept the recommendation of staff to approve the applications as submitted. Commissioner Reno second the motion. **MOTION CARRIED.**

10. **APPLICATIONS FOR REGISTRATION OF CODE OFFICIALS --
RECOMMENDATION FOR APPROVAL**
Document 11-12 a-f

Mr. Larry Lehman presented a list of applications for registration as building officials, building inspectors, plan reviewers, electrical inspectors, mechanical inspectors and plumbing inspectors. It is the recommendation of staff that the individuals listed be approved.

Commissioner Donaldson moved to accept the recommendation of staff to approve the applications as submitted. Commissioner Duffield second the motion. **MOTION CARRIED.**

11. **PERFORMANCE EVALUATION REPORT – MENOMINEE COUNTY**

Mr. Somers presented information verifying Menominee County completed corrective action based on the recommendation of the Commission from the January 5, 2011 meeting.

Commissioner Branch moved to accept the recommendation of staff and close the file. Commissioner Duffield second the motion. **MOTION CARRIED.**

12. **PUBLIC COMMENT**

NONE

13. **OLD BUSINESS**

NONE

14. **NEW BUSINESS**

NONE

15. **2011 MEETING SCHEDULE** – July 6, October 5

16. **ADJOURNMENT**

Commissioner Baldwin moved to adjourn the meeting at approximately 10:50 AM. Commissioner Bauer second the motion. **MOTION CARRIED.**

APPROVED:

Chairman, Construction Code Commission

Date



RICK SNYDER
GOVERNOR

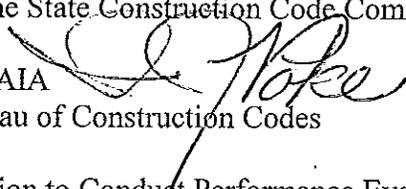
STATE OF MICHIGAN
DEPARTMENT OF LICENSING AND REGULATORY AFFAIRS
BUREAU OF CONSTRUCTION CODES
IRVIN J. POKE
DIRECTOR

STEVEN H. HILFINGER
DIRECTOR

Document # 11-19

May 31, 2011

TO: Members of the State Construction Code Commission

FROM: Irvin J. Poke, AIA 
Director, Bureau of Construction Codes

SUBJECT: Recommendation to Conduct Performance Evaluation
Charter Township of Royal Oak/Oakland County

Enforcement Concerns:

Based upon the lack of an adequate response to the bureau's inquiry regarding Charter Township of Royal Oak's Electrical Inspector, the bureau has serious concerns regarding the township's ability to properly administer and enforce the codes and the Act. The concerns include the conduct of an undetermined amount of electrical inspections and plan reviews performed by an individual not properly registered as an electrical code official since September of 2004 in violation of 1986 PA 54 and 1972 PA 230 and the submission of documentation of a questionable nature regarding the matter.

Chronology of Events:

On July 16, 2009, the bureau received an application from Michael R. Owens for registering a City of Detroit Electrical Contractor, Fire Alarm Contractor or Sign Specialty Contractor license with the State of Michigan.

On July 22, 2009, the bureau's records reflect a letter addressed to Mr. Owens indicating that if he was attempting to apply for registration as a code official, he had submitted an incorrect form. The letter indicated that Mr. Owens was provided with the proper application form for registration as a building official, code inspector, and plan reviewer.

Providing for Michigan's Safety in the Built Environment

On May 27, 2010, the bureau sent a letter that informed the township that their electrical inspector did not renew his registration and requested the name and registration number of their current electrical inspector. No reply was received.

On November 9, 2010, the bureau sent another letter to the township that requested the information contained within the May 27, 2010, letter. The township was requested to provide the information by December 7, 2010.

On December 1, 2010, the township provided a list of their current inspectors to the bureau via facsimile. The township named Michael R. Owens as its electrical inspector and plan reviewer. However, a review of the bureau's inspector registration records revealed that Mr. Owens was not registered as a code official in accordance with 1986 PA 54.

On March 11, 2011, the bureau sent a letter informing the township that Mr. Owens was not approved as an electrical inspector. The bureau's letter provided an application for inspector registration form and requested that the application be completed by Mr. Owens and returned to the bureau by March 25, 2011.

On March 29, 2011, the bureau received Mr. Owens' application form dated March 25, 2011. The information upon the form submitted by Mr. Owens and verified by Township Supervisor William Morgan indicated that Mr. Owens had been employed by the township since September of 2004. The information in Mr. Owens' application also indicated that 90% of his job duties had been performing electrical inspections and 10% of his duties had been performing plan reviews for the township.

On April 7, 2011, the bureau sent a letter to the township requesting a list of the number, type of inspections, and addresses where Mr. Owens had performed electrical inspections since September of 2004. The bureau also requested a complete list of the plan reviews conducted by Mr. Owens during the same time frame. The township was requested to provide its information by April 22, 2011. No reply was received.

On April 20, 2011, the township submitted a copy of Mr. Owens' application for inspector registration form dated June 22, 2009. This application is signed by Township Deputy Clerk Joanne Day, and does not reflect a date of hire as required by the application form. The township's information also included a copy of Check No. 18090, for \$35.00, dated June 24, 2009, issued to the State of Michigan from the township, and a copy of the bureau's letter dated April 7, 2011. The version of the application form dated March 25, 2011, signed by Township Supervisor William Morgan reflects a date of hire as September 2004. It is interesting to note that the application has a revision date of 05/10 and could not have been signed June 24, 2009.

On April 26, 2011, based upon the information Mr. Owens had provided March 25, 2011, the bureau's building division sent a letter to Mr. Owens informing that his name has been placed upon a list going before the Construction Code Commission for approval as an electrical inspector and plan reviewer.

On April 29, 2011, in accordance with Section 9b (1) of the Act, the bureau sent another letter to the township requesting the same information detailed within its letter dated April 7, 2011. The bureau requested that the township provide its written response within a 10 day time period in accordance with the Act.

On May 4, 2011, the bureau received information provided by the township via facsimile. The information included a copy of Mr. Owens' application for inspector registration dated March 25, 2011, a copy of Mr. Owens' electrical license that had been issued by the City of Detroit, and a copy of the bureau's letter dated April 6, 2011, informing Mr. Owens that he did not include the required fees to process his application for registration as an electrical inspector and plan reviewer. The township's response did not address the bureau's request for information regarding the number and type of inspections and plan reviews conducted by Mr. Owens while not registered as a code official.

On May 5, 2011, the bureau received additional information provided by the township via facsimile. The information included an alternate version of an application for inspector registration for Michael Owens that was dated June 22, 2009. The township's information also included a copy of Check No. 18090, for \$35.00, dated June 24, 2009, issued to the State of Michigan from the Charter Township of Royal Oak.

On May 17, 2011, the bureau sent a letter to the township informing that Michael R. Owens was being notified within a letter dated May 18, 2011, that based upon information contained upon his application for registration as a code official, his name was being removed from the list being provided to the Construction Code Commission for approval and that he shall cease and desist performing electrical inspections and plan reviews immediately. The township was requested to provide the name and registration number of the individual that will be providing electrical inspections to the bureau no later than May 24, 2011. On June 1, 2011, the township provided the name and registration number of Kevin Shutlz as its electrical inspector.

Conclusion:

The township has provided information to the bureau indicating employment of an individual that has performed electrical inspections and plan reviews since September of 2004 while not being approved as a code official as required by 1986 PA 54. Additionally, the township has provided documentation of a questionable nature in response to the bureau's inquiries. The lack of an adequate response to the bureau's inquiries causes concerns that the township is not properly executing the duty of enforcing the Act and the code. Therefore, the bureau registers a written complaint against the Charter Township of Royal Oak regarding these matters.

Members of the Construction Code Commission

Page 4

May 31, 2011

Recommendation:

In accordance with 1972 PA 230, Section 9b (1) MCL 125.1509b (1), the bureau recommends that the Construction Code Commission grant permission to conduct a performance evaluation of the subject enforcing agency.

IJP/ms

cc: William F. Morgan, Supervisor, Charter Township of Royal Oak
Gwendolyn W. Turner, Clerk, Charter Township of Royal Oak
Daniel Murray, Building Official, Charter Township of Royal Oak



RICK SNYDER
GOVERNOR

STATE OF MICHIGAN
DEPARTMENT OF LICENSING AND REGULATORY AFFAIRS
BUREAU OF CONSTRUCTION CODES
IRVIN J. POKE
DIRECTOR

STEVEN H. HILFINGER
DIRECTOR

June 14, 2011

DOCUMENT #11-20

TO: Members of the Construction Code Commission
FROM: Keith Lambert, Deputy Director *KE2*
SUBJECT: Report of Assistance to Local Enforcing Agencies

The Bureau has granted temporary assistance as follows:

1. Luce County
Building Code plan review, permit and inspection services
04/21/11 – 06/30/11
2. City of St. Ignace, Mackinac County
Building Code plan review, permit and inspection services.
05/03/11 – 08/02/11
3. St. Ignace Township, Mackinac County
Building Code plan review, permit and inspection services.
05/02/11 – 08/01/11

Providing for Michigan's Safety in the Built Environment

LARA is an equal opportunity employer
Auxiliary aids, services and other reasonable accommodations are available upon request to individuals with disabilities.
P.O. BOX 30254 • LANSING, MICHIGAN 48909
www.michigan.gov/bcc • Telephone (517) 241-9302 • Fax (517) 241-9570



RICK SNYDER
GOVERNOR

STATE OF MICHIGAN
DEPARTMENT OF LICENSING AND REGULATORY AFFAIRS
BUREAU OF CONSTRUCTION CODES
IRVIN J. POKE
DIRECTOR

STEVEN H. HILFINGER
DIRECTOR

DOCUMENT #11-21

June 14, 2011

TO: Members of the Construction Code Commission

FROM: Michael Somers, Departmental Analyst
Office of Administrative Services *MS*

SUBJECT: Rescinding Ordinance

Attached are the rescinding ordinances received from various units of government. The ordinances have been reviewed and found to be acceptable.

RECOMMENDATION: It is the recommendation of staff that the Construction Code Commission accept the ordinances listed on the following page.

MS/hmc

Attachment

Providing for Michigan's Safety in the Built Environment

| <u>LOG #</u> | <u>DATE RECEIVED</u> | <u>GOVERNMENTAL SUBDIVISION</u> | <u>ORDINANCE #</u> | <u>DATE OF ADOPTION</u> | <u>CODE</u> | <u>COMMENT</u> |
|--------------|----------------------|---------------------------------|--------------------|-------------------------|-------------|--|
| 1. B-11-06 | 05/20/2011 | St. Ignace Township/Mackinac Co | 37 | 05/12/2011 | Michigan | Rescinding Building ordinance and transferring A & E to the State of Michigan. |
| 2. B-11-05 | 05/05/2011 | City of St. Ignace/Mackinac Co. | 626 | 05/16/2011 | Michigan | Rescinding Building ordinance and transferring A & E to the State of Michigan. |
| 3. E-11-05 | 06/14/2011 | City of Charlotte/Eaton Co. | Proposed | | Michigan | Rescinding Electrical ordinance and transferring A & E to Eaton County. |
| M-11-05 | 06/14/2011 | City of Charlotte/Eaton Co. | Proposed | | Michigan | Rescinding Mechanical ordinance and transferring A & E to Eaton County. |
| P-11-07 | 06/14/2011 | City of Charlotte/Eaton Co. | Proposed | | Michigan | Rescinding Plumbing ordinance and transferring A & E to Eaton County. |



RICK SNYDER
GOVERNOR

STATE OF MICHIGAN
DEPARTMENT OF LICENSING AND REGULATORY AFFAIRS
BUREAU OF CONSTRUCTION CODES
IRVIN J. POKE
DIRECTOR

STEVEN H. HILFINGER
DIRECTOR

DOCUMENT #11-16

June 14, 2011

TO: Members of the Construction Code Commission

FROM: Larry Lehman, Chief Building Division *Larry*

SUBJECT: Continuing Education Program Applicants

The programs listed on the attached pages are those for which approval has been requested by providers or sponsors of continuing education programs required of building officials, inspectors and plan reviewers to renew their registrations. Document #11-16 is a list of programs that have been submitted for approval for the cycle beginning September 17, 2009 through September 16, 2012.

Each provider has documented appropriate content in relation to one or more of the continuing education categories and registrant classifications set forth in the administrative rules promulgated pursuant to 1986 PA 54.

It is the recommendation of Bureau staff that the programs submitted pursuant to the provisions of Act 54 be approved by the Commission.

LL/kld

Attachments

Providing for Michigan's Safety in the Built Environment

LARA is an equal opportunity employer
Auxiliary aids, services and other reasonable accommodations are available upon request to individuals with disabilities.
P.O. BOX 30254 • LANSING, MICHIGAN 48909
www.michigan.gov/bcc • Telephone (517) 241-9302 • Fax (517) 241-9570

Explanatory notes to accompany BCC Approved Continuing Education Program List:

DOCUMENT #11-16

* Registrants holding one or more Inspector classification are required to attend Technical and Specialty training to be eligible for reregistration at the end of the present code cycle. If that is successfully accomplished, there are no additional Technical or Specialty credits necessary to also become eligible for reregistration as either a Building Official and/or Plan Reviewer. A person who is registered **only** as a Building Official and/or Plan Reviewer **without any Inspector classification** will receive the listed Technical and/or Specialty credit towards reregistration qualification for attending this program.

Specialty approvals are granted for one of the four Inspector (trade) classifications. Inspectors receive credits only for attending programs associated with their trade; a Mechanical Inspector does not satisfy those requirements by attending a Building, Electrical or Plumbing program. Someone registered **only** as a Building Official and/or Plan Reviewer **without any Inspector classification** will receive credit for all Specialty programs attended, regardless of the trade(s).

Technical approvals are granted for programs addressing a specific code. Inspectors receive Technical credit only for programs addressing the code they enforce. Someone registered **only** as a Building Official and/or Plan Reviewer without any Inspector classification will receive credit for all Technical programs **in their** cycle which they attended, regardless of the trade.

** Programs approved for Plan Review credits satisfy unique requirements placed on Plan Reviewer registrants. Even though the title of an individual program may refer to a specific trade or code, all Plan Review program credits apply to any Plan Reviewer.

**** Credit for documented participation in/attendance at formal code change hearings conducted and reported by a nationally recognized code-promulgating organization will be recognized when the subject is a code enforced by the registrant. Credit is granted in one-hour increments and is divided between Technical and Specialty. The first hour is Technical, the second Specialty, the third Technical, the fourth Specialty, etc. Seven hours would be credited as four Technical and three Specialty, for example.

ISC = Independent Study Course

I = Internet Course

CR = Classroom

Department of Licensing and Regulatory Affairs-Bureau of Construction Codes-2009/2012 Inspector Continuing Education Programs

| Program Number | Credit Hours | | | | Contact | Organization | Phone | Title |
|----------------|--------------|------|------|------|---------------------|---------------------------------|----------------|--|
| | Admin | Comm | Spec | Tech | | | | |
| 16143 | 1 | | 2 | 1 | Peter J. Loughney | International Masonry Institute | (734) 944-7766 | Design, Construction and Inspection for Masonry 2009 |
| 16144 | | | 6 | | Kimberly Riley | International Code Council | (888) 422-7233 | 2009 IRC Significant Changes |
| 16145 | | | | 2 | Joe Madziar | LARA, BCC, Plumbing Division | (517) 241-9330 | Manufacturers Installation Manuals |
| 16146 | | | 2 | | Robert G. Konyndyk | LARA, BCC, Plumbing Division | (517) 241-9330 | Residential Fire Suppression Requirements |
| 16147 | | | 4 | 4 | Dean Austin | LARA, BCC, Electrical Division | (517) 241-9320 | Inspections and Plan Review for the 2011 MEC (ONE TIME ONLY) |
| 16148 | | | | 1 | Wayne R. Jewell | | (810) 623-9234 | Key Changes in the 2009 Michigan Construction Codes-Building and Rehabilitation |
| 16149 | | | | 3 | Warren M. Wisner | SEMPIA | (734) 475-2425 | Barrier Free Plumbing Elements and Facilities |
| 16150 | | | | 3 | Warren M. Wisner | SEMPIA | (734) 475-2425 | Sewage Pumping Systems/Michigan Plumbing Code |
| 16151 | 2 | | | | Irvin J. Poke | LARA, BCC, Administration | (517) 241-9302 | Legislative Update |
| 16152 | | | | 2 | Tracie Pack | LARA, BCC, Building Division | (517) 241-9317 | Annual Inspection Report Refresher Training-Part 2 |
| 16153 | | | | 2 | Andy B. Neuman, Jr. | LARA, BCC, Plumbing Division | (517) 241-9330 | MRC 2009-Chapters 25 & 26- Plumbing Administration and General Plumbing Requirements |
| 16154 | | | 4 | 4 | Art Cotsonika | LARA, BCC, Electrical Division | (517) 241-9320 | Review of Inspection Methods and Plan Review for 2011 MEC (One Time Only) |
| 16155 | | | | 3 | Allan Grundy | | (248) 788-8249 | Plan Review Procedures |
| 16156 | | | 4 | 4 | Michael Bouza | LARA, BCC, Electrical Division | (517) 241-9320 | Understanding the 2011 MEC Inspection and Plan Review (One Time Only) |

Department of Licensing and Regulatory Affairs-Bureau of Construction Codes-2009/2012 Inspector Continuing Education Programs

| | | | | | | | | | |
|-------|---|---|---|---|-----------|------------------|---------------------------------------|----------------|--|
| 16157 | | 4 | 4 | 4 | EI*, PR** | Mark E. Smith | LARA, BCC, Electrical Division | (517) 241-9320 | 2011 MEC Preparation for Inspection and Plan Review (One Time Only) |
| 16158 | | 4 | 4 | 4 | EI*, PR** | William Fox | LARA, BCC, Electrical Division | (517) 241-9320 | Knowing the 2011 MEC Inspection and Plan Review Standards (One Time Only) |
| 16159 | | 2 | 2 | 2 | EI* | George Little | IAEI-Michigan Chapter | (248) 933-1139 | NEC Articles 517, 680 and 682 |
| 16159 | | 2 | 2 | 2 | EI* | George Little | IAEI-Michigan Chapter | (248) 933-1139 | NEC Articles 517, 680 and 682 (One Time Only) |
| 16160 | 1 | 1 | 1 | 1 | EI* | George Little | IAEI-Michigan Chapter | (248) 933-1139 | FAQ and Code Panel (One Time Only) |
| 16161 | | 1 | 1 | 2 | EI* | George Little | IAEI-Michigan Chapter | (248) 933-1139 | Arc Flash & Code Questions (One Time Only) |
| 16162 | 6 | | | | ALL | Kimberly Riley | International Code Council | (888) 422-7233 | Legal Aspects of Code Administration |
| 16163 | | 4 | 4 | 4 | EI*, PR** | Larry Howison | LARA, BCC, Electrical Division | (517) 241-9320 | Knowing the 2011 MEC Inspection and Plan Review Standards (One Time Only) |
| 16164 | | 2 | | | PI* | James R. Russell | Tri-County Plumbing Inspectors Assoc. | (248) 546-2616 | Noritz Tankless Water Heaters |
| 16165 | | 4 | | | ALL | Kimberly Riley | International Code Council | (888) 422-7233 | Dallas Building Tour-Green Building Practice (One Time Only) |
| 16166 | | 3 | 2 | 2 | ALL | Kimberly Riley | International Code Council | (888) 422-7233 | Code Hearing & Final Action Hearing: International Swimming Pool and Spa Code (One Time Only) |
| 16167 | | 5 | 5 | 5 | ALL | Kimberly Riley | International Code Council | (888) 422-7233 | Code Hearing & Final Action Hearing: International Swimming Pool and Spa Code (One Time Only) |
| 16168 | 3 | | | | ALL | Kimberly Riley | International Code Council | (888) 422-7233 | Code Hearing & Final Action Hearing: International Green Construction Code, Chapter 1-Administration (One Time Only) |

Department of Licensing and Regulatory Affairs-Bureau of Construction Codes-2009/2012 Inspector Continuing Education Programs

| | | | | | | | | | |
|-------|--|--|---|---|-----|----------------|----------------------------|----------------|--|
| 16169 | | | 3 | | ALL | Kimberly Riley | International Code Council | (888) 422-7233 | Code Hearing & Final Action Hearing: International Green Construction Code, Chapter 3-Jurisdictional Requirements (One Time Only) |
| 16170 | | | 3 | | ALL | Kimberly Riley | International Code Council | (888) 422-7233 | Code Hearing & Final Action Hearing: International Green Construction Code, Chapter 4-Site Development and Land Use (One Time Only) |
| 16171 | | | 3 | 2 | ALL | Kimberly Riley | International Code Council | (888) 422-7233 | Code Hearing & Final Action Hearing: International Green Construction Code, Chapter 4-Site Development and Land Use (One Time Only) |
| 16172 | | | 5 | 5 | ALL | Kimberly Riley | International Code Council | (888) 422-7233 | Code Hearing & Final Action Hearing: International Green Construction Code, Chapter 4-Site Development and Land Use (One Time Only) |
| 16173 | | | 3 | 2 | ALL | Kimberly Riley | International Code Council | (888) 422-7233 | Code Hearing & Final Action Hearing: International Green Construction Code, Chapter 5-Material Resource Conservation and Efficiency (One Time Only) |
| 16174 | | | 5 | 5 | ALL | Kimberly Riley | International Code Council | (888) 422-7233 | Code Hearing & Final Action Hearing: International Green Construction Code, Chapter 5-Material Resource Conservation and Efficiency (One Time Only) |
| 16175 | | | 3 | 2 | ALL | Kimberly Riley | International Code Council | (888) 422-7233 | Code Hearing & Final Action Hearing: International Green Construction Code, Chapter 6-Energy Conservation Efficiency and Atmospheric Quality (One Time Only) |

Department of Licensing and Regulatory Affairs-Bureau of Construction Codes-2009/2012 Inspector Continuing Education Programs

| | | | | | | | | | |
|-------|--|--|---|---|-----|----------------|----------------------------|----------------|---|
| 16176 | | | 5 | 5 | ALL | Kimberly Riley | International Code Council | (888) 422-7233 | Code Hearing & Final Action Hearing: International Green Construction Code, Chapter 6-Energy Conservation Efficiency and Atmospheric Quality (One Time Only). |
| 16177 | | | 3 | 2 | ALL | Kimberly Riley | International Code Council | (888) 422-7233 | Code Hearing & Final Action Hearing: International Green Construction Code, Chapter 7-Water Resource Conservation and Efficiency (One Time Only) |
| 16178 | | | 5 | 5 | ALL | Kimberly Riley | International Code Council | (888) 422-7233 | Code Hearing & Final Action Hearing: International Green Construction Code, Chapter 7-Water Resource Conservation and Efficiency (One Time Only) |
| 16179 | | | 3 | 2 | ALL | Kimberly Riley | International Code Council | (888) 422-7233 | Code Hearing & Final Action Hearing: International Green Construction Code, Chapter 8-Indoor Environmental Quality and Comfort (One Time Only) |
| 16180 | | | 2 | | ALL | Kimberly Riley | International Code Council | (888) 422-7233 | Code Hearing & Final Action Hearing: International Green Construction Code, Chapter 9-Commissioning, Operation and Maintenance (One Time Only) |
| 16181 | | | 3 | 2 | ALL | Kimberly Riley | International Code Council | (888) 422-7233 | Code Hearing & Final Action Hearing: International Green Construction Code, Chapter 9-Commissioning, Operation and Maintenance (One Time Only) |
| 16182 | | | 2 | | ALL | Kimberly Riley | International Code Council | (888) 422-7233 | Code Hearing & Final Action Hearing: International Green Construction Code, Chapter 10-Existing Buildings (One Time Only) |

Department of Licensing and Regulatory Affairs-Bureau of Construction Codes-2009/2012 Inspector Continuing Education Programs

| | | | | | | | | |
|-------|---|--|---|-----------|---------------------|---|----------------|---|
| 16183 | | | 2 | ALL | Kimberly Riley | International Code Council | (888) 422-7233 | Code Hearing & Final Action Hearing: International Green Construction Code, Chapter 11-Existing Buildings-Site Development (One Time Only) |
| 16184 | | | 2 | ALL | Kimberly Riley | International Code Council | (888) 422-7233 | Code Hearing & Final Action Hearing: International Green Construction Code, Chapter 12-Referenced Standards (One Time Only) |
| 16185 | | | 2 | ALL | Kimberly Riley | International Code Council | (888) 422-7233 | Code Hearing & Final Action Hearing: International Green Construction Code, Appendix A-Optional Ordinance & Appendix D-Enforcement Procedures (One Time Only) |
| 16186 | | | 3 | ALL | Kimberly Riley | International Code Council | (888) 422-7233 | Code Hearing & Final Action Hearing: International Green Construction Code, Appendix B-Greenhouse Gas Reductions in Existing Buildings & Appendix C-Sustainability Measures (One Time Only) |
| 16187 | 1 | | | ALL | Irvin J. Poke | LARA, BCC, Administration | (517) 241-9302 | Administrative/Legislative Update |
| 16188 | 2 | | | ALL | Irvin J. Poke | LARA, BCC, Administration | (517) 241-9302 | Smoke Alarm Requirements for 1 & 2 Family Dwellings, Alterations and Additions |
| 16189 | | | 2 | PI* | Ronald M. Schroader | New Water Solutions and Pool Safety Council | (561) 433-2580 | Suction Outlet Entrapment Avoidance, A Force to Reckon With |
| 16190 | | | 1 | EI*, PR** | John Hartigan | Reciprocal Electrical Council, Inc. | (586) 412-0832 | Answering Questions Related to Plan Review and Specialty Classifications |
| 16191 | | | 2 | PI* | Dan McClary | | (248) 379-6378 | On-Demand Recirculation Pump Systems |



RICK SNYDER
GOVERNOR

STATE OF MICHIGAN
DEPARTMENT OF LICENSING AND REGULATORY AFFAIRS
BUREAU OF CONSTRUCTION CODES
IRVIN J. POKE
DIRECTOR

STEVEN H. HILFINGER
DIRECTOR

DOCUMENT #11-17

June 14, 2011

TO: Members of the Construction Code Commission

FROM: Larry Lehman, Chief 
Building Division

SUBJECT: Continuing Education Instructor Applications

Attached is a list of those individuals who have applied for approval as instructors of continuing education programs required of building officials, inspectors and plan reviewers. The instructors listed have been granted lifetime approval.

Each has documented training and experience in the topic which they propose to teach.

It is the recommendation of Bureau staff that they be approved as instructors by the Commission.

LL/kld

Attachments

Providing for Michigan's Safety in the Built Environment

LARA is an equal opportunity employer
Auxiliary aids, services and other reasonable accommodations are available upon request to individuals with disabilities.
P.O. BOX 30254 • LANSING, MICHIGAN 48909
www.michigan.gov/bcc • Telephone (517) 241-9302 • Fax (517) 241-9570

Department of Licensing and Regulatory Affairs-Bureau of Construction Codes-2009/2012 New Instructors

| Instructor Number | Last Name | First Name | MI | Affiliation/Experience |
|----------------------|-----------|------------|----|--------------------------------|
| 1982 | Hartigan | James | | IAEI-Michigan |
| 1983 | Jipson | Martin | | Michigan Plumbing & Mechanical |
| 1984 | Schroader | Ronald | M | Pool Safety Council |

Department of Licensing and Regulatory Affairs-Bureau of Construction Codes-2009/2012 Renewal Instructors

| Instructor Number | Last Name | First Name | MI | Affiliation/Experience |
|----------------------|-------------|------------|----|---|
| 615 | Hilton | Robert | D | Northern Michigan Mechanical & Plumbing |
| 1231 | Howison | Larry | | LARA/BCC/Electrical Division |
| 1653 | Newman, Jr. | Andy | B | LARA, BCC, Plumbing Division |
| 1767 | Loughney | Peter | J | International Masonry Institute |
| 1824 | Madziar | Joe | | LARA, BCC, Plumbing Division |
| 1856 | Smith | Mark | E | LARA, BCC, Electrical Division |



RICK SNYDER
GOVERNOR

STATE OF MICHIGAN
DEPARTMENT OF LICENSING AND REGULATORY AFFAIRS
BUREAU OF CONSTRUCTION CODES
IRVIN J. POKE
DIRECTOR

STEVEN H. HILFINGER
DIRECTOR

Document #11-18a-f

June 14, 2011

TO: Members of the Construction Code Commission

FROM: Larry Lehman, Chief Building Division *Larry*

SUBJECT: Inspector Registration Applicants

Attached you will find lists of applicants for provisional registration as building officials, building inspectors, plan reviewers, electrical inspectors, mechanical inspectors and plumbing inspectors.

LL/kld

Attachments

Providing for Michigan's Safety in the Built Environment

LARA is an equal opportunity employer
Auxiliary aids, services and other reasonable accommodations are available upon request to individuals with disabilities.
P.O. BOX 30254 • LANSING, MICHIGAN 48909
www.michigan.gov/bcc • Telephone (517) 241-9302 • Fax (517) 241-9570

BUILDING OFFICIALS

07/06/11 ccc

JIPSON, Martin R.

Registered as Mechanical/Plumbing Inspector and Plan Reviewer #001169 (08/1987)

Additional Building Official

Delta Township-Eaton County

MADASKI, Robert M.

Registered as Building Inspector and Plan Reviewer #005388 (10/2006)

Additional Building Official

Dundee Township-Monroe County

ANDREWS, Milton W.

Registered as Mechanical Inspector and Plan Reviewer #003759 (10/1996)

Additional Building Official

City of Ann Arbor- Washtenaw County

BUILDING INSPECTORS

07/06/11 ccc

FITZPATRICK, Mark E.
9,397 hours Building
Replacing Albert Esser (5128)
Clare County

KEMP, Jeffrey A.
31,200 hours Building
Additional Inspector
Ash Township-Monroe County

ROBSON, James W.
10,320 hours Building
Additional Building Inspector
Grayling Township – Crawford County

PLAN REVIEWERS

07/06/11 ccc

CALDWELL, Mark A.
Master Electrical License #6207160
Additional Plan Reviewer
Hillsdale County

DAWES, Anthony J.
Master Electrical License #6214575
Replacing Roger D. Morgan (002194)
Village of South Rockwood-Monroe County

FITZPATRICK, Mark E.
9,397 hours Building
Replacing Albert Esser (5128)
Clare County

KINGSLEY, Arthur T.
Registered Building Inspector #005527 (01/2008)
Additional Plan Reviewer
City of Grand Rapids-Kent County

MORRISON, Scott M.
Journey Electrical License #6323873
Additional Plan Reviewer
City of Northville-Wayne County

STASIULEWICZ, Wojciech
Registered Building Inspector #005305 (01/2006)
Additional Plan Reviewer
City of Grand Rapids-Kent County

WHEATON, Scott D.
Registered Building Inspector #004440 (06/2000)
Additional Plan Reviewer
City of Grand Rapids-Kent County

ELECTRICAL INSPECTORS

07/06/11 ecc

DAWES, Anthony J.
Master License#6214575
Replacing Roger D. Morgan (002194)
Village of South Rockwood-Monroe County

MORRISON, Scott M.
Journey License #6323873 (01/2002)
Additional Inspector
City of Northville-Wayne County

CALDWELL, Mark A.
Master License #6207160 (06/1989)
Additional Inspector
Hillsdale County

MECHANICAL INSPECTORS

07/06/11 ccc

LOWE, Douglas R.
8,000 hours HVAC
Additional Inspector
Addison Township-Oakland County

PLUMBING INSPECTORS

07/06/11 ecc

MASSINGILL, Vaughn L.
Journey Lic# 8212171 (1976)
Replacing-Dick Bressler (000191)
Village of Dundee-Monroe Co.



RICK SNYDER
GOVERNOR

STATE OF MICHIGAN
DEPARTMENT OF LICENSING AND REGULATORY AFFAIRS
BUREAU OF CONSTRUCTION CODES
IRVIN J. POKE
DIRECTOR

STEVEN H. HILFINGER
DIRECTOR

DATE: July 6, 2011

Document 11-15

TO: Members of the Construction Code Commission

FROM: Irvin J. Poke, AIA
Director

A handwritten signature in black ink, appearing to read "I. Poke", written over the printed name of Irvin J. Poke.

RE: Michael R. Owens
Application for Registration as Electrical Inspector and Plan Reviewer

Mr. Owens submitted an application for registration as an electrical inspector dated March 25, 2011, that indicated that he had been employed by the Charter Township of Royal Oak since September of 2004. As a result of the Bureau's inquiries regarding the amount and type of electrical inspections and plan reviews conducted by Mr. Owens prior to approval as a code official by the Construction Code Commission, Mr. Owens submitted a copy of an application dated June 22, 2009, that did not reflect a date of hire as required by the application form. However, the revision date on the application is 05/10, which leads to the conclusion that the application is dubious. Utilizing the information provided by Mr. Owens upon the version of the application form dated March 25, 2011, there is a violation of Section 12 (2) of 1986 PA 54 MCL 338.2312 (2).

The subject application lists electrical inspection and plan review work experience from September of 2004 to present. It is a violation of 1986 PA 54 to perform these duties if not registered as an electrical inspector and/or plan reviewer in accordance with the act. In addition, performing such duties is not in compliance with 1972 PA 230.

The bureau has performed a thorough analysis of Mr. Owens' application for registration as an electrical inspector and plan reviewer. Based on the information submitted, we find that the subject applicant has violated Section 12 (2) 1986 PA 54 MCL 338.2312 (2) and 1972 PA 230. We, therefore, recommend that the Construction Code Commission not approve the application of Mr. Michael R. Owens for registration as an electrical inspector and plan reviewer.

cc: Michael R. Owens

Providing for Michigan's Safety in the Built Environment

**MICHIGAN DEPARTMENT OF LICENSING AND REGULATORY AFFAIRS
BUREAU OF CONSTRUCTION CODES
CONSTRUCTION CODE COMMISSION
2501 Woodlake Circle
Okemos, MI 48864**

Mailing Date: July 7, 2011

**Michael R. Owens
19851 Shiawassee
Detroit MI 48219**

**Application 492
Electrical Inspector/Plan Reviewer
CCC Document 11-15**

DECISION OF THE MICHIGAN CONSTRUCTION CODE COMMISSION

The Construction Code Commission reviewed the report and recommendation of the Bureau of Construction Codes, dated July 6, 2011. The record and all supplemental materials received before the Commission meeting were reviewed. Copies were sent to all parties. This decision is issued pursuant to Section 12 (3) 1986 PA 54, MCL 338.2312(3).

FINDINGS AND CONCLUSIONS: The Commission acknowledges receipt and review of the material on this matter handed out at the meeting on the above noted date. The Commission adopted the report of the Bureau of Construction Codes finding that Mr. Owens acted as an electrical inspector for several years without registering in accordance with MCL 338.2312 (2). The Commission concurs with the Conclusions of Law and Recommendation.

THEREFORE, it is the decision of the Commission to deny your registration as an electrical inspector and plan reviewer on the basis of violating Section 12 (2) 1986 PA 54, MCL 338.2312 (2). This is a final decision of the Commission and you have statutory appeal rights. Section 12 of Act 54 of 1986, MCL 338.2301 et seq, provides that you can appeal this final decision in circuit court in accordance with the Administrative Procedures Act (APA), MCL 24.201 to 24.328. Section 104 of the APA provides that you have 60 days from the date of mailing of this denial, to file a Petition for Review in Ingham County or the county where you reside or have your principal place of business.

Irvin J. Poke, AIA
Director, Bureau of Construction Codes

July 7, 2011



RICK SNYDER
GOVERNOR

STATE OF MICHIGAN
DEPARTMENT OF LICENSING AND REGULATORY AFFAIRS
BUREAU OF CONSTRUCTION CODES
IRVIN J. POKE
DIRECTOR

STEVEN H. HILFINGER
DIRECTOR

June 14, 2011

Document #11-22

TO: Members of the Construction Code Commission

FROM: Kevin D. Kalakay, Chief, Mechanical Division 

SUBJECT: Product Approval for Onix Heat Transfer Tubing

The applicant has requested consideration of a product in order to meet installation acceptance requirements.

APPLICANT REPRESENTATIVE:

Mr. Chris Haldiman

APPLICANT:

Watts Radiant
4500 E. Progress Place
Springfield, Missouri 65803

AUTHORITY:

Section 21 of Act 230, 1972 being section 125.1521 of the Michigan Compiled Laws.

PRODUCTS:

Onix Heat Transfer Tubing.
Sizes 3/8", 1/2", 5/8", 3/4", and 1" (ID)

APPLICATION:

Non-potable water radiant heating and snow melting applications.

Providing for Michigan's Safety in the Built Environment

LARA is an equal opportunity employer
Auxiliary aids, services and other reasonable accommodations are available upon request to individuals with disabilities.
P.O. BOX 30254 • LANSING, MICHIGAN 48909
www.michigan.gov/bcc • Telephone (517) 241-9302 • Fax (517) 241-9570

TEST REPORTS:

Underwriters Laboratories – Report # MH17193
333 Pfingsten Road
Northbrook, IL 60062

IAPMO - Report # 815-06001
5001 East Philadelphia St.
Ontario, CA 91761

ICC-ES - Report # 95-47.02
5360 Workman Mill Rd.
Whittier, CA 90601

CONDITIONS OF USE AND INSTALLATION:

1. Shall comply with the provisions of the Michigan Mechanical Code and the Michigan Plumbing Code.
2. Shall be installed in accordance with the manufacturer's installation instructions.

RECOMMENDATION:

The Board of Mechanical Rules, at their May 18, 2011 board meeting recommended the product to the commission for approval.

KDK/dmc



RICK SNYDER
GOVERNOR

STATE OF MICHIGAN
DEPARTMENT OF LICENSING AND REGULATORY AFFAIRS
LANSING

STEVEN H. HILFINGER
DIRECTOR

April 26, 2011

TO: Members of the State Board of Mechanical Rules

FROM: Kevin D. Kalakay, Chief, Mechanical Division

SUBJECT: Product Approval for Onix Heat Transfer Tubing

The applicant has requested consideration of a product approval to provide product acceptance through approval clarification.

APPLICANT REPRESENTATIVE:

Mr. Chris Haldiman

APPLICANT:

Watts Radiant
4500 E. Progress Place
Springfield, Missouri 65803

AUTHORITY:

Section 21 of Act 230, 1972 being section 125.1521 of the Michigan Compiled Laws.

PRODUCTS:

Onix Heat Transfer Tubing.
Sizes 3/8", 1/2", 5/8", 3/4", and 1" (ID)

APPLICATION:

Non-potable water radiant heating and snow melting applications.

Providing for Michigan's Safety in the Built Environment

BUREAU OF CONSTRUCTION CODES
P.O. BOX 30264 • LANSING, MICHIGAN 48909
Telephone (517) 241-9325 • Fax (517) 241-9308
www.michigan.gov/lara

LARA is an equal opportunity employer/program.
Auxiliary aids, services and other reasonable accommodations are available upon request to individuals with disabilities.

TEST REPORTS:

Underwriters Laboratories – Report # MH17193
333 Pfingsten Road
Northbrook, IL 60062

IAPMO - Report # 815-06001
5001 East Philadelphia St.
Ontario, CA 91761

ICC-ES - Report # 95-47.02
5360 Workman Mill Rd.
Whittier, CA 90601

CONDITIONS OF USE AND INSTALLATION:

1. Shall comply with the provisions of the Michigan Mechanical Code and the Michigan Plumbing Code.
2. Shall be installed in accordance with the manufacturer's installation instructions.

RECOMMENDATION:

Staff has requested additional information from the manufacturer

KDK/mb



RICK SNYDER
GOVERNOR

STATE OF MICHIGAN
DEPARTMENT OF LICENSING AND REGULATORY AFFAIRS
LANSING

STEVEN H. HILFINGER
DIRECTOR

April 26, 2011

Mr. Chris Haldiman
Watts Radiant
4500 E. Progress Place
Springfield, Missouri 65803

Dear Mr. Haldiman:

The Bureau of Construction Codes, Mechanical Division, has received your Product Approval application for Onix Heat Transfer Tubing.

Your request will be scheduled for the State Board of Mechanical Rules meeting. The next meeting will be held on **May 18, 2011**, located at 2501 Woodlake Circle, Okemos, Michigan. Your appointment is at **9:45 a.m.**, Eastern Standard Time. A map is enclosed for your convenience. If approved by the board, your product will be referred to the Construction Code Commission for final approval. Please call this office for attendance information should you desire to represent your product at the Construction Code Commission meeting.

This office is dealing with this particular installation acceptance in the form of a Certificate of Acceptance. You have wisely chosen that methodology rather than a code appeal. For that reason we are requesting greater involvement on behalf of the manufacture.

Please contact me at 517/241-9325, if you have any further questions in this matter prior to providing the requested information.

Sincerely,

A handwritten signature in black ink, appearing to read "Kevin D. Kalakay".

Kevin D. Kalakay, Chief
Mechanical Division

KDK/mb

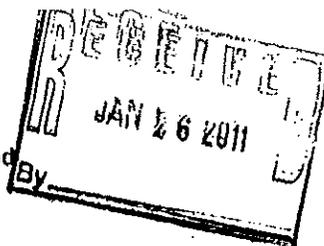
Enclosure

Providing for Michigan's Safety in the Built Environment

BUREAU OF CONSTRUCTION CODES
P.O. BOX 30254 • LANSING, MICHIGAN 48909
Telephone (517) 241-9325 • Fax (517) 241-9308
www.michigan.gov/lara

LARA is an equal opportunity employer/program.
Auxiliary aids, services and other reasonable accommodations are available upon request to individuals with disabilities.

Petition Application for Approval of Material, Product or Method
 Michigan Department of Energy, Labor & Economic Growth
 Bureau of Construction Codes
 P.O. Box 30255, Lansing, MI 48909
 www.michigan.gov/bcc



Agency Use Only

MA # 11-001

Application Fee: \$500.00

| | |
|---|---|
| Authority: 1972 PA 210 Completion: Mandatory Penalty: Use of material, product or method will not be approved | DELEG is an equal opportunity employer program. Auxiliary aids, services and other reasonable accommodations are available upon request to individuals with disabilities. |
|---|---|

PRODUCT INFORMATION

NATURE OF APPLICATION
 Material Product Method of Manufacture or Construction Component

CODE UNDER WHICH APPROVAL IS SOUGHT
 Building (140) Electrical (115) Mechanical (130) Plumbing (98)

NAME OF MATERIAL, PRODUCT OR METHOD OF MANUFACTURE (Limit To One Item Per Application)
 Watts Radiant Onix Heat Transfer Tubing

Iran Info: 130 16504720-1 01/24/11
 Chk#: 691754 Amt: \$500.00
 ID: WATTS

OTHER IDENTIFICATION (Model Number)
 Model is size: 3/8" (ID), 1/2" 5/8", 3/4" and 1"

DESCRIPTION (Use Additional Sheets If Necessary)
 EPDM Composite Rubber Tubing with Aramid Cord and Aluminum O2 Barrier

INTENDED USE (Use Additional Sheets If Necessary)
 Onix tubing is used for transporting heat from a heat source to it's intended palce of use. This is accomplished primarily in 3 methods. 1) Supply/Return lines to/from the boiler, 2) Radiant Floor Heating and 3) Snowmelling installations.

DATA SUBMITTED

| | | |
|---|---|---|
| <input checked="" type="checkbox"/> Letter | Reports | <input type="checkbox"/> Product Sample or Model |
| <input checked="" type="checkbox"/> Manual | <input checked="" type="checkbox"/> ICC - NES | <input checked="" type="checkbox"/> Prior Approvals by Other Agencies |
| <input checked="" type="checkbox"/> Standards | <input type="checkbox"/> BOCA - NES | <input type="checkbox"/> Recommendations by Model Code Bodies |
| <input checked="" type="checkbox"/> Installation Instructions | <input type="checkbox"/> ICBO | |
| <input type="checkbox"/> Display Catalog | <input type="checkbox"/> SBCC | |
| | <input type="checkbox"/> NRB | |
| | <input checked="" type="checkbox"/> Other | |

LABORATORY TEST BY
 UL - MH 17193, IAPMO Report 815-06001

PILOT SERVICE EXPERIENCE AND CONDITIONS (Use Additional Sheets If Necessary)
 All test results are positive an all product passed all requirements. Product has been manufactured and installed in the US since 1996.

RESTRICTIONS FOR USE (Use Additional Sheets If Necessary)
 Maximum operating temperature/pressure rating is 100 PSI @ 180 degrees F.

APPLICANT (Note: All correspondence will be sent to this address)

| | |
|---|---|
| NAME OF COMPANY Watts Regulator Company, d/b/a Watts Radiant | APPLICANT NAME Chris B. Haldiman Technical Manager |
|---|---|

ADDRESS
 4500 E. Progress Place

| | | | |
|---------------------|-------------------|-------------------|--------------------------------------|
| CITY Springfield | STATE Missouri | ZIP CODE 65803 | TELEPHONE NUMBER (Include Area Code) |
|---------------------|-------------------|-------------------|--------------------------------------|

| | | |
|--|----------------------|--------------------------------|
| APPLICANT SIGNATURE (Must be original signature) | DATE Jan 19, 2011 | FAX NUMBER (Include Area Code) |
|--|----------------------|--------------------------------|

January 19, 2011

Mr. Kevin Kalakay
Chief Mechanical Inspector
Michigan Department of Labor & Economic Growth
Bureau of Construction Codes
Mechanical Division
2501 Woodlake Circle
Okemos, MI 48864

Re: Onix Tubing Approval

Dear Mr. Kalakay,

Please find included our submission package for Watts Radiant Onix Heat Transfer Tubing. I have included several documents, hoping they will be beneficial in the approval process.

I have included the UL Report MH-17193 that has been provided previously, although we no longer keep this Listing active as the market did not find value in it as a marketing tool, and no model code agencies ask for it. It does however reflect the depth of testing that has been performed on the Onix product.

Onix Heat Transfer Tubing has been manufactured and sold throughout the United States since 1996. There have been no changes to it.

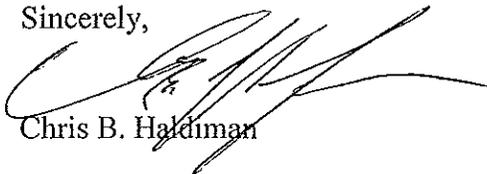
Watts Radiant a d/b/a of Watts Regulator, has very recently received ISO 9000:2008 Certification. I have included a copy of our Certification for your file.

I ask that we be placed on the agenda for the Board of Mechanical Rules for approval. I am requesting Watts Radiant Heat Transfer Tubing be approved for hydronic heating applications, including supply/return piping, radiant floor heating and for snow melting applications.

Please let me know if there are any questions, I have included my business card with my contact information.

Thank you for your consideration.

Sincerely,



Chris B. Haldiman



Presentation For
Michigan State
Board of Mechanical Rules

May 18, 2011

Presented by:

Chris Haldiman
Technical & OEM Manager
Watts Regulator, Inc., d/b/a Watts Radiant™



My Experience/Knowledge base:

15 years in Power Generation

20 years in the Hydronic Heating industry

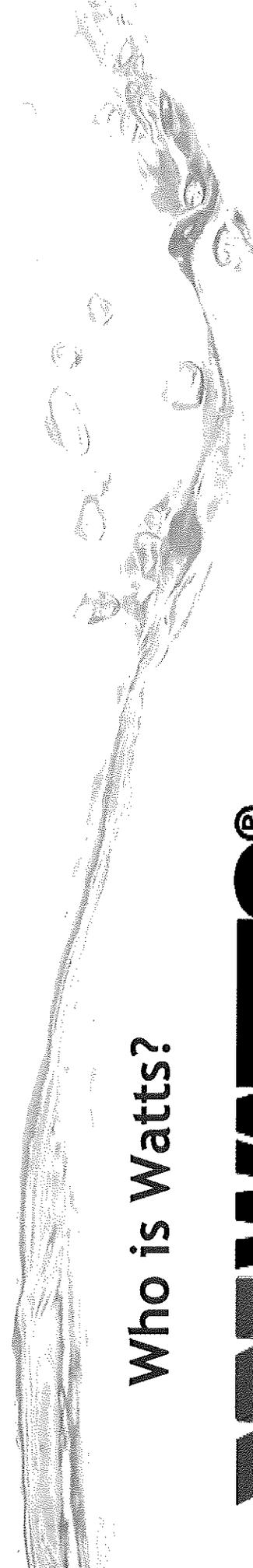
ASTM

ASSE

PPI

NSF

Past Member of ICC, BOCA, IAPMO, ASME, and SPE.



Who is Watts?

WATTS[®]
WATER TECHNOLOGIES

WATTS[®]

WattsRadiant[™]
Floor Heating & Snow Melting

Watts Regulator, Founded in 1874 by Joseph E. Watts.

2009 Net Sales: \$1.2 billion

Approximate Number of Employees Worldwide: 5,900

Approximate Number of Facilities Worldwide: Over 70

Headquarters: North Andover, Massachusetts, USA

ISO 9001-2008 Certified

WATTS[®]



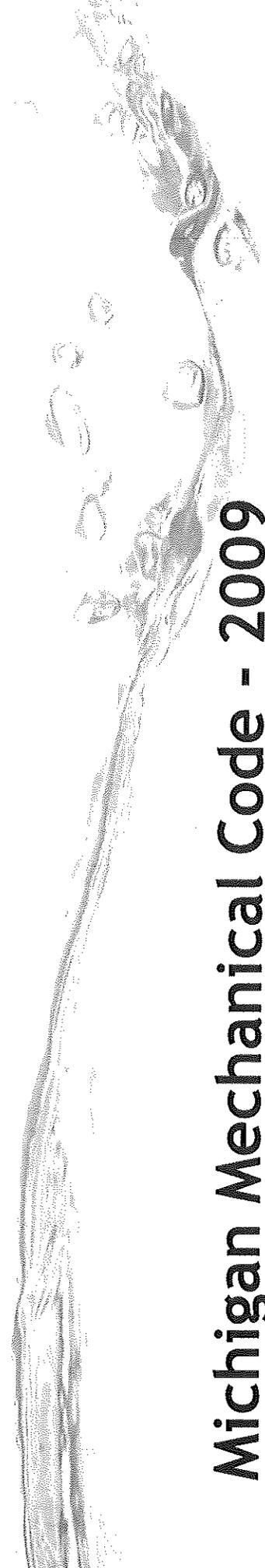
Purpose for Presentation

Watts Regulator is requesting Approval by the Michigan State Board of Mechanical Rules for the use of Watts Onix Heat Transfer Tubing in residential floor heating applications.

This product has been approved for use in Michigan for snowmelting applications since 1998.

Over 120 million feet have been installed domestically since 1996 in the following states:

ME, MA, NH, VT, RI, CT, NY, PA, NJ, DE, MD, OH, IL, TN, KY, WV, VA, NC, GA, SC, FL, CA, CO, IA, ID, MN, MO, MT, ND, SD, TX, UT, WA, WI, WY, HI



Michigan Mechanical Code - 2009

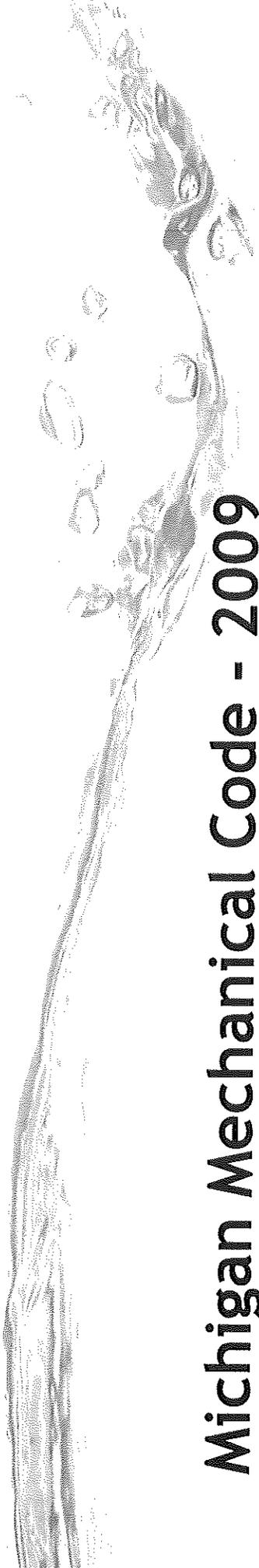
Chapter 12 HYDRONIC PIPING

Section 1201

GENERAL

1201.1 Scope

The provisions of this chapter shall govern the construction, installation, alteration, and repair of hydronic piping systems. This chapter shall apply to hydronic piping systems that are a part of heating, ventilation and air-conditioning systems. Such piping systems shall include steam, hot water, chilled water, steam condensate and ground source heat pump loop systems. Potable cold and hot water distribution systems shall be installed in accordance with the International Plumbing Code.

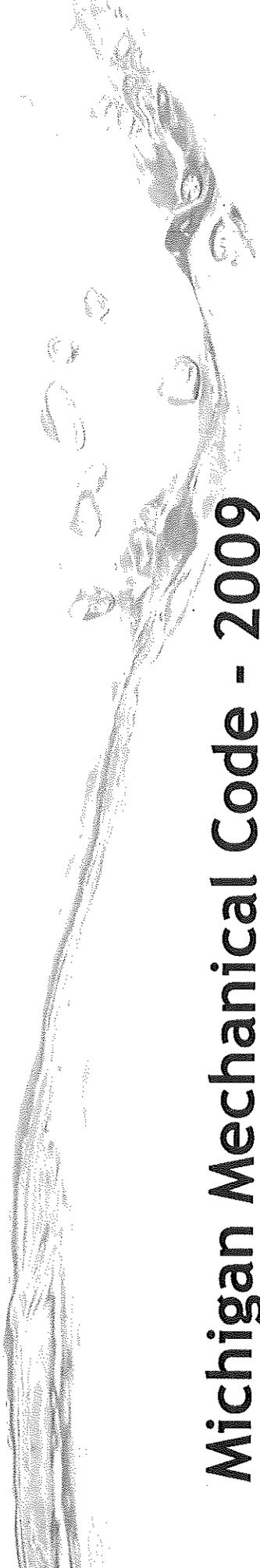


Michigan Mechanical Code - 2009

SECTION 1201 - cont.

1201.3 Standards

As an alternate to the provisions of Sections 1202 and 1203, piping shall be designed, installed, inspected and tested in accordance with ASME B31.9.

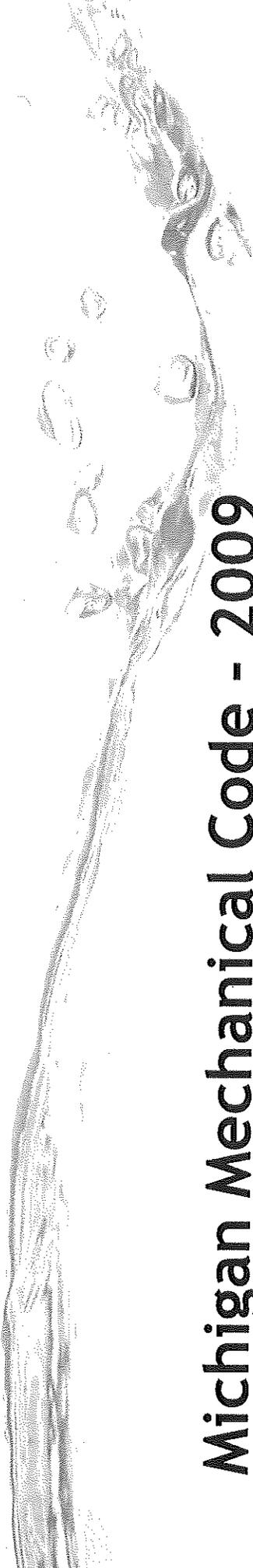


Michigan Mechanical Code - 2009

SECTION 1202

MATERIAL

- 1202.1 Piping.** Piping material shall conform to the standards cited in this section.
- 1202.2 Used materials.** [Not Approved by Watts]
- 1202.3 Material rating.** Materials shall be rated for the operating temperature and pressure of the hydronic system. Materials shall be suitable for the type of fluid in the hydronic system.
- 1202.4 Piping materials and standards.** Hydronic pipe shall conform to the standards listed in Table 1202.4. The exterior of the pipe shall be protected from corrosion and degradation.



Michigan Mechanical Code - 2009

SECTION 1203

JOINTS AND CONNECTIONS

- 1203.1 Approval.** Joints and connections shall be of an *approved* type. Joints and connections shall be tight for the pressure of the hydronic system.
- 1203.1.1 Joints between different piping materials.** Joints between different piping materials shall be made with *approved* adapter fittings.



ASME B31.9 - 2008 Building Services Piping

Chapter I Scope and Definitions

900.1.2 Services and Limits

(1) *(1) water and antifreeze solutions for heating and cooling*

ASME B31.9

Chapter III Materials

923.1.2 Materials Not Listed

para. 2

“A material not listed in this Code nor in ASME B31.1, but which conforms to a published specification covering composition, physical and mechanical properties, method and process of manufacture, heat treatment (if applicable), and quality control may be used if it otherwise meets the requirements of this Code.”



ASME B31.9

923.3 Limitations on Specific Nonmetals

923.3.1 General

Nonmetallic pressure containing components, such as glass, ceramics, plastics, or rubber, may be used within the limitations of para. 923.1.2 and within manufacturers' limitations on pressure-temperature ratings and application. Consideration shall be given to the suitability of the material for the service conditions and the fluid to be handled, its flammability, resistance to shock, its dimensional stability, and proper support and protection from damage.

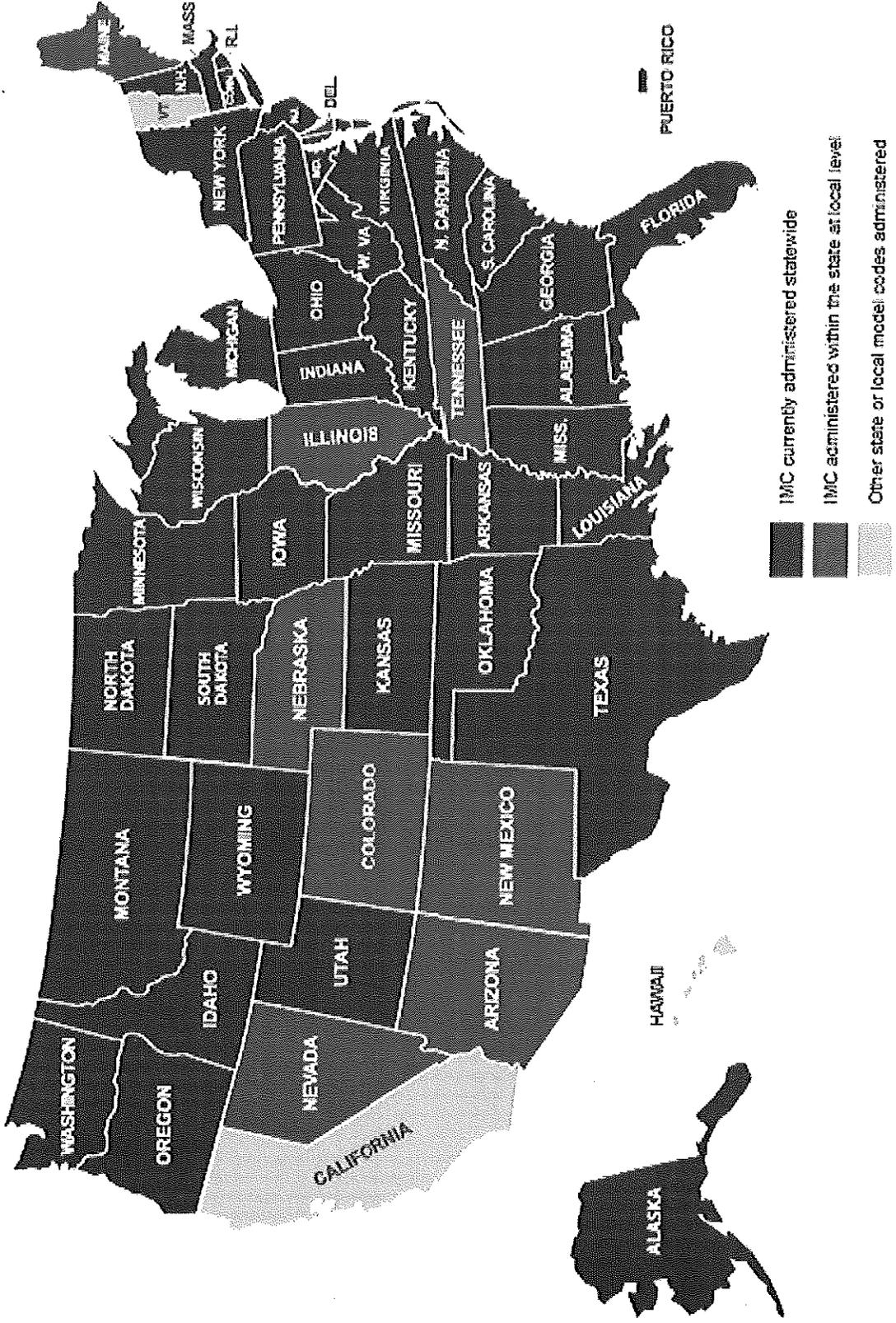


Hydronic Tubing Performance Comparison

| Product | Typical Hydronic Application Requirements | Product Limitation By Listings | Product Limitation By Performance |
|---|---|--------------------------------|-----------------------------------|
| Watts Radiant Onix EPDM Rubber Tube with Arimid Reinforcement | < 50 psi@180°F | 100 psi@180°F | 600 psi@200°F |
| PEX Crosslinked Polyethylene Tubing | < 50 psi@180°F | 100 psi@180°F | 100 psi@180°F |
| PE-RT Raised Temperature Polyethylene Tubing | < 50 psi@180°F | 80 psi@180°F | 80 psi@180°F |

INTERNATIONAL MECHANICAL CODE ADOPTION MAP

The International Mechanical Code is used at state or local level in 47 states & Washington, D.C.



Code adoptions as of 04/20/10.





LEGACY REPORT

95-47.02

Reissued August 1, 2007

ICC Evaluation Service, Inc.
WWW.ICC-ES.ORG

Business/Regional Office • 5200 Vermont 148 Road, White, California 95070 • (408) 666-6543
Regional Office • 500 Missouri Road, Suite A, Bensenville, Illinois 60015 • (815) 595-6555
Regional Office • 4251 West Flossmoor Road, Country Club Hills, Illinois 60516 • (708) 796-5255

Legacy report on the 1995 *International Mechanical Code**

DIVISION: 15—MECHANICAL

Section: 15180—Heating and Cooling Piping

REPORT HOLDER:

WATTS RADIANT, INC.
4500 EAST PROGRESS PLACE
SPRINGFIELD, MISSOURI 65803
www.wattsradiant.com

EVALUATION SUBJECT:

ONIX RADIANT HEATING HOSE:
(3/8", 1/2", 5/8", 3/4" AND 1 INCH I.D.)

EVALUATION SCOPE:

Compliance with the following code:

- 1998 *International Mechanical Code**
- Section 105.2 Alternative materials and equipment
- Section 1202.4 Material standards
- Section 1203.3 Material rating
- Section 1209.1 Materials

DESCRIPTION

Onix radiant heating hose is constructed of an ethylene propylene diene monomer (EPDM) rubber tube, a layer of aluminum foil, a layer of EPDM rubber, a spiral braided aramid reinforcement wrapping and a black EPDM cover. The tubing is manufactured with 1/8", 1/4", 3/8", 1/2", 5/8", 3/4", and 1-inch (9.5, 12.7, 15.9, 19.1 and 25.4 mm) nominal inside diameters. The hose is used as a water or glycol/water heating hose in hydronic heating systems which use water or glycol/water solutions as the transfer fluid. The hose is compatible with standard supply and return manifolds, provided by the manufacturer, which provide the transition between the hoses and the heat source supply piping.

Application

Onix radiant heating hose is installed by embedment in concrete floor slabs or cementitious toppings with a minimum covering thickness of 1/2-inch (19.1 mm) above the hose, by attaching directly to the underside of wood floor sheathing in wood frame construction, or by installing between sleepers in wood frame construction. See Figure 1 of this report for diagrams of installation types.

CONDITIONS OF USE

This report is limited to the applications and products as stated in this report. The ICC-ES Subcommittee on National Codes intends that the report be used by the code official to determine that the report subject complies with the code requirements specifically addressed, provided that this product is installed in accordance with the following conditions:

- The piping contained in this report is limited to use in systems with a maximum operating pressure of 100 lb/in² (690 kPa) and a maximum design temperature of 180 degrees F (82 degrees C).
- This report is limited to the evaluation of Onix in hydronic systems using a transfer fluid of water, 1:1 ethylene glycol/water or 1:1 propylene glycol/water.
- The piping installation shall not contain joints or splices, except for the connections to the manifolds.
- The piping system shall be pressurized to a minimum pressure of 30 lb/in² (207 kPa) prior to encasement in concrete or cementitious decks. During pouring, the pipe shall be maintained at the proposed operating pressure.
- Use of the Onix as potable water supply piping is beyond the scope of this report.
- The Onix shall not be exposed to temperatures less than -40 degrees F (-40 degrees C).
- Installation instructions shall be provided and available on the job site at all times. These instructions shall include, but not be limited to, product handling precautions and any other precautions needed for the proper installation of the Onix.
- This report is subject to periodic re-examination. For information on the current status of this report, contact the ICC-ES.

ITEMS REQUIRING VERIFICATION

The following items are related to the installation of the report subject, but are not within the scope of this evaluation. However, these items are related to the determination of code compliance.

- ✓ All system manifolds shall be located so as to be accessible for servicing and maintenance.

✓ Where used in hydronic systems supplied by a potable water supply, the system shall be designed and installed to prevent contamination of the potable water supply through cross-connection or backflow, in accordance with Section 1604 of the 1997 *International Plumbing Code** and the 1998 Supplement to the *International Plumbing Code*.

✓ Review of boilers, valves, manifolds, fittings, controls, accessories and potable water supply piping of hydronic systems is beyond the scope of this report.

INFORMATION SUBMITTED

- Underwriters Laboratories Inc., File Number: MH17193, dated October 22, 1997, containing results of long term pressure tests on a 1-inch-diameter (25 mm) sample of the Onix. The sample was subjected to a 35-day air oven, deionized water, 50 percent ethylene glycol and 50 percent propylene glycol solution test at 12 degrees F. (100 degrees C).
- Booyette Material Testing, Ltd., Report No. S803978, dated March 27, 1998, containing results of hydrostatic testing of the Onix. Results indicate that the 3/8", 1/2", 3/4", and 1-inch-diameter (9.5, 12.7, 15.9, 19.1 and 25 mm) hose withstood an internal pressure of 100 lb/in² (690 kPa) at 180 degrees F. (82 degrees C) without bursting, leaking or developing other defects during the 1,000 hours test period.
- Underwriters Laboratories Inc., File MH17193, dated October 22, 1997, containing results of performance characteristic testing of the Onix. Results indicate that the Onix has been tested for the end use characteristics to verify the suitability of the hose for hydronic applications. Tests include adhesion, tensile strength, ozone exposure, external loading, bending deformation, hydrostatic strength and exposure to heat transfer fluids.

PRODUCT IDENTIFICATION

All Onix radiant heating hose manufactured in accordance with this report shall bear the following identification:

- "See ICC-ES Legacy Report No. 95-47."

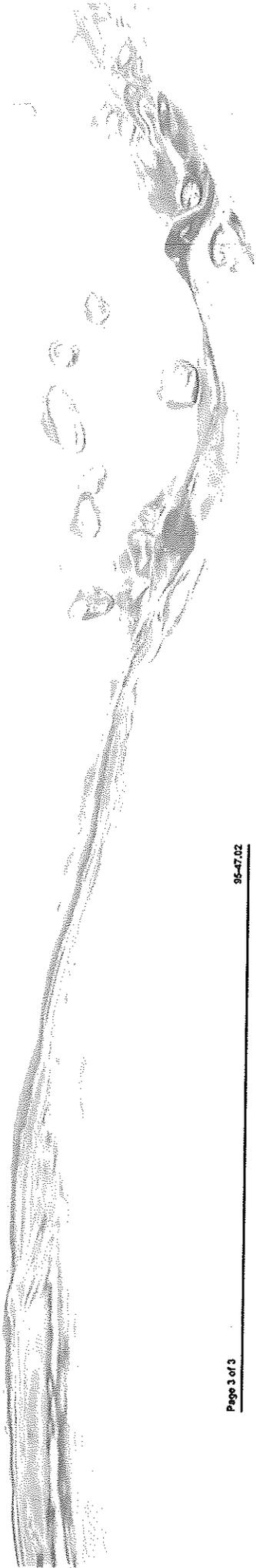
APPLICATION FOR PERMIT

To aid in the determination of compliance with this report, the following represents the minimum level of information to accompany the application for permit:

- The language "See ICC-ES Legacy Report No. 95-47," or a copy of this report.
- Details of hydronic piping installation, including installation of piping in or to flooring, type and spacing of sloping hangers or supports, location of manifold, type and size of piping used, maximum operating pressure and temperature of the system, and system transfer fluid type.
- Specifications for material and installation requirements.

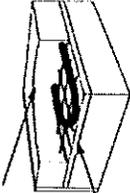
ICC-ES Legacy reports are not to be construed as representations or warranties of any other authority and are provided as a reference only. The subject of the report is a recommendation for its use. There is no warranty by ICC Evaluation Service, Inc., express or implied, or any liability or other matter on this report, or as to any products covered by the report.





In-Slab

A 2" minimum of slab covering above the joist is required in residential applications and a 3" minimum covering for non-residential and commercial applications. Greater slab thicknesses may be required depending on structural loading. Use a quality extruded polystyrene insulation board.



Staple Under Frame Floor

A 2" minimum air space is required between the foil-faced insulation and the floor.

The use of foil-faced insulation (face up) is necessary to reflect energy upward.



ThinSlab Over Frame Floor

A 3/4" minimum of slab above the joist is required in residential and floor applications, and 2" minimum coverage for commercial applications.



A 2" minimum air space is required between the foil-faced insulation and the floor. The use of foil-faced insulation (face up) is necessary to reflect energy upward.

In-Mudset Over Frame Floor

A 3/4" minimum of slab above the joist is required in residential and floor applications, and 2" minimum coverage for commercial applications.



A 2" minimum air space is required between the foil-faced insulation and the floor. The use of foil-faced insulation (face up) is necessary to reflect energy upward.

Built Into Frame Floors with Sleepers

1/2" to 3/4" plywood sleepers are used depending on the outside diameter (O.D.) of the joist.

A 2" minimum air space is required between the foil-faced insulation and the floor.

The use of foil-faced insulation (face up) is necessary to reflect energy upward.

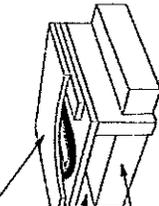
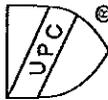


FIGURE 1*

*THIS DRAWING IS FOR ILLUSTRATION PURPOSES ONLY. IT IS NOT INTENDED FOR USE AS A CONSTRUCTION DOCUMENT FOR THE PURPOSE OF DESIGN, FABRICATION OR ERECTION.

IAPMO RESEARCH AND TESTING, INC.

3001 East Philadelphia Street, Ontario, California 91761-2816 • (909) 472-4100 Fax: (909) 472-4244 • www.iapmo.org



CERTIFICATE OF LISTING

IAPMO Research and Testing, Inc. is a product certification body which tests and certifies products which claim to meet the requirements of both the Uniform Plumbing Code and the International Plumbing Code. This activity is conducted in accordance with the requirements of the International Quality Assurance System. This listing is subject to the requirements set forth in the International Quality Assurance System. This listing is subject to the requirements set forth in the International Quality Assurance System. This listing is subject to the requirements set forth in the International Quality Assurance System.

Effective Date: May 2011
Product: Tubing (Radiant Heating)
Issued To: Metco Radiant, Inc.
4360 E. Proctor Pl.
Springfield, MO 65803

Void After: May 2012
File No.: 2774

IDENTIFICATION: Manufacturer's name, date of manufacture or trademark permanently marked on header and UPC certification mark.

CHARACTERISTICS: Composite polymer reinforced hose for radiant heating of concrete floors or slabs. May be directly embedded in or under a slab. No joints or headers are permitted in or under the slab. Headers are Type K copper tubing.

Systems may contain liquids other than potable water. Therefore, the system is charged through a valve or hose bibb with markings or labels to indicate that this valve is for charging a heating system, and is not a potable water valve. To be installed with other IAPMO listed fittings in accordance with the manufacturer's instructions and the provisions of the latest editions of the applicable sections of the Uniform Plumbing Code, Uniform Solar Energy Code and the Uniform Mechanical Code.

Products comply with the applicable sections of the latest edition of the Uniform Plumbing Code and the International Plumbing Code.



Robert R. ...
Chairman, Product Certification Committee

Rene Ch...
CEO, The IAPMO Group

This listing is for the product and/or service and is valid after the date stated above. Any changes in material, design, or manufacturing process without having first obtained the approval of the Product Certification Committee, or any revision of non-compliance with the applicable sections of the International Plumbing Code or International Mechanical Code, may be deemed sufficient cause for revocation of this listing. Reproduction of or reference to this form for any other purpose may be held liable for specific written permission of IAPMO Research and Testing, Inc. Any alteration of this certificate could be grounds for revocation of the listing.

DOC#M1A





Questions?

© 2011 Watts



RICK SNYDER
GOVERNOR

STATE OF MICHIGAN
DEPARTMENT OF LICENSING AND REGULATORY AFFAIRS
BUREAU OF CONSTRUCTION CODES
IRVIN J. POKE
DIRECTOR

STEVEN H. HILFINGER
DIRECTOR

June 13, 2011

DOCUMENT #11-23

TO: Members of the Construction Code Commission
FROM: Robert G. Konyndyk, Chief, Plumbing Division *R. Konyndyk*
SUBJECT: Eternal Hybrid Water Heater, Models GU 145(S) - 508(11,12)1145(S), GU 195(S) - 508(11,12)1195(S), and GU 195(M) - 508(11,12)1195(M)
Identified as BCCP-11-004

The applicant has requested product approval to provide product acceptance through approval clarification.

APPLICANT REPRESENTATIVE:

Mr. Jason Sisler

APPLICANT:

Mr. Jason Sisler
Grand Hall USA, Inc.
3838 W. Miller Rd.
Garland, Texas 75041

AUTHORITY:

Section 21 of Act 230, 1972 being section 125.1521 of the Michigan Compiled Laws.

PRODUCT:

Eternal Hybrid Water Heater, Models
GU 145(S) - 508(11,12)1145(S)
GU 195(S) - 508(11,12)1195(S)
GU 195(M) - 508(11,12)1195(M)
Configuration #'s
11 – Denotes natural gas for indoors, 12 – Denotes propane gas for indoors
(S) = identifies a unit without optional MCU (Multi Control Unit) kit

Providing for Michigan's Safety in the Built Environment

(M) = identifies a unit which has the MCU (Multi Control Unit) kit

GU 145 is an instantaneous gas water heater with just under 2 gallons of storage and modulated input between 31,000 BTU/Hr. to 145,000 BTU/Hr.

GU 145 is an instantaneous gas water heater with just under 2 gallons of storage and modulated input between 31,000 BTU/Hr. to 199,000 BTU/Hr.

APPLICATION:

This product is designed to supply domestic hot water.

They have answered our previous questions (letter dated 1/18/2011 provided with application) for an earlier product submission approved by the commission in 2008 (1586-PA).

APPLICABLE CODE SECTION:

Chapter 5 Water Heater, MPC
504.4 Relief Valve

2009 Michigan Mechanical Code
Section 1002.1- Listed and Labeled

Chapter 28 Water Heater, MRC
Sections 2803 Relief Valve

Section G2404.3 – Listed and Labeled

Section 2903 Water Supply Systems

Section G2448.1 – Tested in accordance with
ANSI Z21.10.3

APPROVALS:

CSA –Certificate of Compliance # 2276971, Project # 2312729, Date: May 26, 2010
For compliance to ANSI Z21.10.3

Issued to: Grand Hall Enterprise Co. Ltd.
298 Rueiguang Rd. 9th Floor
Taiwan

Attention: Young Ryoo

CSA –Certificate of Compliance # 2368800, Project # 2368800, Date: November 25, 2010
For compliance to LOW LEAD CERTIFICATION PROGRAM–PLUMBING
PRODUCTS

IAPMO Certificate of Listing, File # 5048, Rev. 4/12/2-10

CONDITIONS OF USE AND INSTALLATION:

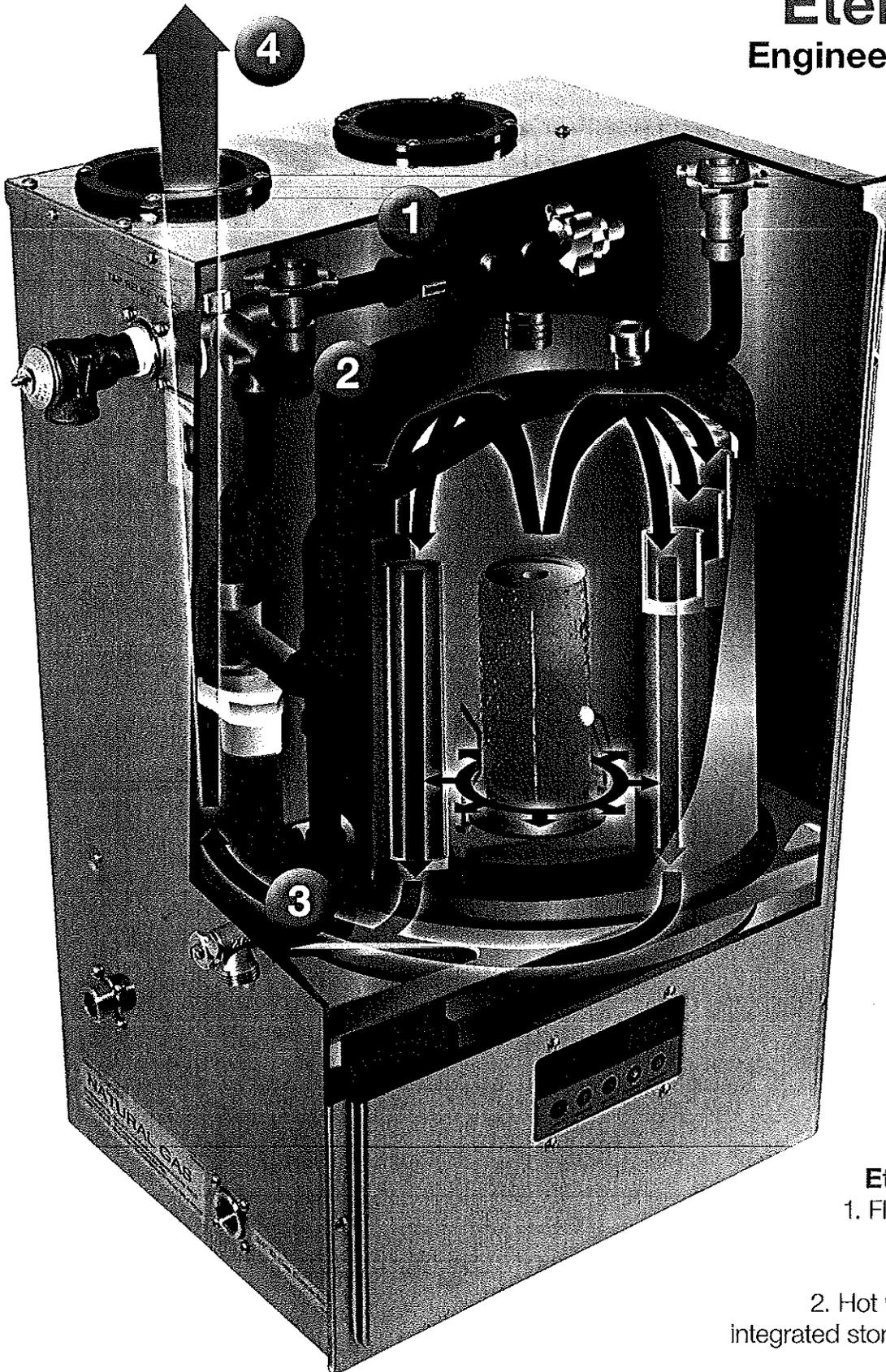
1. All requirements of the Michigan Electrical, Mechanical, and Plumbing Codes shall be applicable.
2. Installed in accordance with manufacturer's installation instructions.
3. An acceptable pressure and temperature protection shall be provided with the correct BTU rating.

RECOMMENDATION:

The State Plumbing Board at their June 7, 2011 board meeting recommended the products to the commission for approval.

RGK/mkr

Eternal Hybrid: Engineered To Outperform



Counter Flow Design:

In Eternal's Counter Flow design, cold water enters from the bottom up as a way of self cleaning the sedimentation, while heat is pushed through multiple radiating transfer pipes.

The Eternal Hybrid's innovative 3 cycle process pushes heat in 3 directions through the water and maximizes energy transfer. In simplest terms, our patent slows the exhaust of heat by reusing the energy multiple times, rather than reducing water pressure.

The end result is a small heat exchanger that is capable of replacing multiple tanks, while supplying endless hot water with consistent water pressure and doing it efficiently time after time.

Eternal Heating Process:

1. Flow sensor or thermo sensor detects hot water demand.
2. Hot water starts flowing from the integrated storage while the burner ignites.
3. Cold water flows through the bottom of the hybrid heat exchanger and picks up rising heat.
4. Exhaust is routed through the bottom offset manifold for maximum efficiency.



RICK SNYDER
GOVERNOR

STATE OF MICHIGAN
DEPARTMENT OF LICENSING AND REGULATORY AFFAIRS
BUREAU OF CONSTRUCTION CODES
IRVIN J. POKE
DIRECTOR

STEVEN H. HILFINGER
DIRECTOR

June 13, 2011

TO: Members of the Construction Code Commission **DOCUMENT #11-24**

FROM: Robert G. Konyndyk, Chief, Plumbing Division *R. Konyndyk*

SUBJECT: American Hometec, Inc. Electric and Gas Tankless Water Heaters, Models AHG-T42 NG, AHG-T42 LP, EVG-T42 NG, EVG-T42 LP, AHQ-TB32, AHQ-B03X, ACQ-C10Y, ACQ-TB03X, AHQ-C10, AHQ-T16, AHQ-TC10 and ACQ-TC10Y. Identified as: BCCP-11-003

The applicant has requested product approval to provide product acceptance through approval clarification.

APPLICANT REPRESENTATIVE:

Ms. Shimin Luo

APPLICANT:

American Hometec, Inc.
3411 Silverside Road
Hanby Building, Suite 105
Wilmington, DE 19810

AUTHORITY:

Section 21 of Act 230, 1972 being section 125.1521 of the Michigan Compiled Laws.

PRODUCT:

Models AHG-T42 NG, AHG-T42 LP, EVG-T42 NG, EVG-T42 LP, AHQ-TB32, AHQ-B03X, ACQ-C10Y, ACQ-TB03X, AHQ-C10, AHQ-T16, AHQ-TC10 and ACQ-TC10Y.

Providing for Michigan's Safety in the Built Environment

LARA is an equal opportunity employer
Auxiliary aids, services and other reasonable accommodations are available upon request to individuals with disabilities.
P.O. BOX 30254 • LANSING, MICHIGAN 48909
www.michigan.gov/bcc • Telephone (517) 241-9302 • Fax (517) 241-9570

APPLICATION:

This product is designed to supply hot water in both residential and commercial applications with coil less technology.

APPLICABLE CODE SECTION:

| | |
|--|---|
| Chapter 5 Water Heaters, MPC 2009 504.4 Relief Valve | 2009 Michigan Mechanical Code Section 1002.1- Listed and Labeled |
| Chapter 28 Water Heaters, MRC Sections 2803 Relief Valve Section 2903 Water Supply Systems | 2009 International Fuel Gas Code Section 624 Water heaters Tested in accordance with ANSI Z21.10.1 and ANSI Z21.10/3 |

APPROVALS:

Interek - Listing Constructional Data Reports (CDR)
Gas Appliance – Report Number 3186494CRT-003, 5-Nov-2010
Electric Appliance – Report Number 100142909CRT-002, 11-Aug-2010
Report Number 100095222CRT-002, 11-Aug-2010
Report Number 100217968CRT-002, 29-Nov-2010

CONDITIONS OF USE AND INSTALLATION:

1. All requirements of the Michigan Electrical, Mechanical, and Plumbing Codes shall be applicable.
2. Installed in accordance with manufacturer's installation instructions.
3. An acceptable pressure and temperature protection shall be provided with the correct BTU rating.

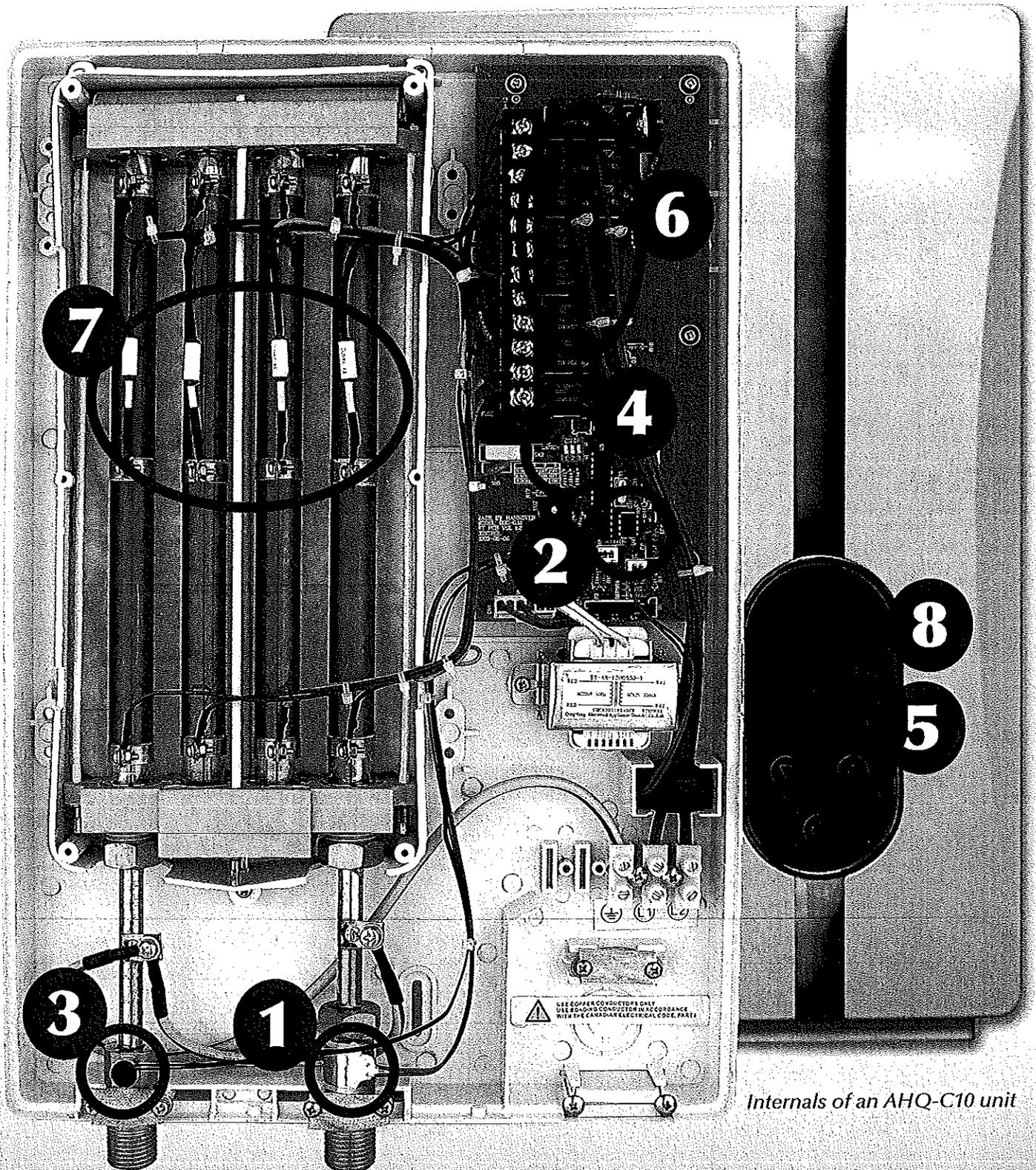
RECOMMENDATION:

The State Plumbing Board at their June 7, 2011 board meeting recommended the products to the commission for approval.

RGK/mkr



ELECTRIC TANKLESS WATER HEATERS



Internals of an AHQ-C10 unit



RICK SNYDER
GOVERNOR

STATE OF MICHIGAN
DEPARTMENT OF LICENSING AND REGULATORY AFFAIRS
BUREAU OF CONSTRUCTION CODES
IRVIN J. POKE
DIRECTOR

STEVEN H. HILFINGER
DIRECTOR

June 13, 2011

TO: Members of the Construction Code Commission
FROM: Robert G. Konyndyk, Chief, Plumbing Division *R. Konyndyk*
SUBJECT: Product Approval Request for Kohler Co., K-3900 NUMI toilet
Identified as: BCCP-11-006

DOCUMENT #11-25

The applicant has requested a certificate to clarify the acceptance of products for a product which has not had conformance standards listed in our plumbing code for the entire product. Additionally, several product conformance standards are applicable to the various product components.

APPLICANT REPRESENTATIVE:

Mr. Daniel Bartz

APPLICANT:

Kohler Company
444 Highland Drive
Bldg. #83, M.S. 073
Kohler, Wisconsin 53044

AUTHORITY:

Section 21 of Act 230, 1972 being section 125.1521 of the Michigan Compiled Laws.

PRODUCTS:

Kohler Co., K-3900 NUMI toilet

Providing for Michigan's Safety in the Built Environment

LARA is an equal opportunity employer
Auxiliary aids, services and other reasonable accommodations are available upon request to individuals with disabilities.
P.O. BOX 30254 • LANSING, MICHIGAN 48909
www.michigan.gov/bcc • Telephone (517) 241-9302 • Fax (517) 241-9570

APPLICATION:

The K-3900 water closet is primarily intended for residential use in new construction and renovations. It is a vitreous china 1.28/0.60 gpf dual flush water closet. The toilet has an integral bidet seat feature, self cleaning, and ultra violet sanitizing cycles for the bidet spray wand after each use.

APPLICABLE CODE SECTION:

Michigan Plumbing Code, Section 420 Water closets

APPLICABLE CODE STANDARDS:

ASME A112.4.2 Water Closet Personal Hygiene Devices
ASME A112.2 Ceramic Plumbing Fixtures
ASME A112.14 Six-liter Water Closets Equipped with Dual Flush
ANSI Z124.5 Plastic Toilet Seats
ASSE 1001 Performance Requirements for Atmospheric Type Vacuum Breakers
ASSE 1037 Performance Requirements for Pressurized Flushing Devices (Flushometers) for Plumbing

LABORATORY TEST:

Self testing: Kohler Product Labs, January 18, 2010 for the standards listed above. These test reports were then provided to IAPMO for their listing process.

AGENCY APPROVALS:

IAPMO - International Association of Plumbing and Mechanical Officials
Certificate of Listing, Filing No. 5277, Rev. Date 3/29/2011

Underwriters Laboratories/UL, Plumbing accessories QMTX.E320209, 01/06/2011, Project Number 09CA55028

CONDITIONS OF USE AND INSTALLATION:

1. All requirements of the Michigan Plumbing Code shall be applicable.
2. Shall be installed in accordance with manufacturer's installation instructions.

RECOMMENDATION:

The State Plumbing Board at their June 7, 2011 board meeting recommended the product to the commission for approval.

Numi Toilet
K-3900

Dimensions:

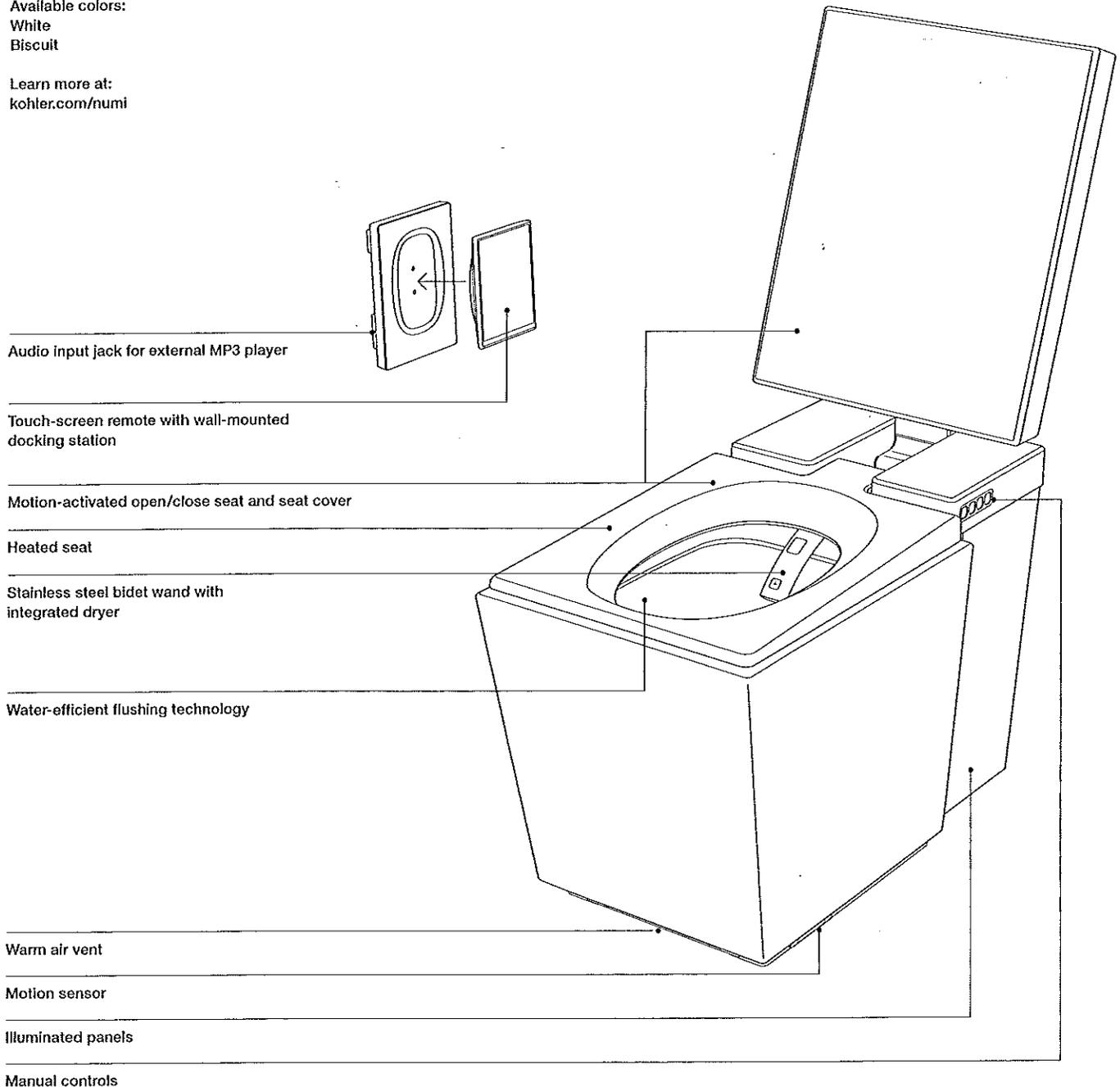
| | | | |
|----------------|---------|--|---------|
| Height, closed | 17 7/8" | | 45.4 CM |
| Height, open | 36 1/4" | | 91.1 CM |
| Depth | 25 3/4" | | 65.4 CM |
| Width | 14 1/4" | | 36.8 CM |
| Rough-in | 12" | | 30.5 CM |

Available colors:

White
Biscuit

Learn more at:

kohler.com/numi



Form 10-1064-0210

© 2010 Kohler Co. Numi is a trademark of Kohler Co. in the U.S. and other countries. Kohler is a registered trademark of Kohler Co. in the U.S. and other countries.

Kohler Co. Kohler Wisconsin 53044
Printed in U.S.A.
1800 4 KOHLER (1800 456 4537)



RICK SNYDER
GOVERNOR

STATE OF MICHIGAN
DEPARTMENT OF LICENSING AND REGULATORY AFFAIRS
BUREAU OF CONSTRUCTION CODES
IRVIN J. POKE
DIRECTOR

STEVEN H. HILFINGER
DIRECTOR

Document No. 11-26

June 14, 2011

TO: Members of the Construction Code Commission

FROM: Todd Cordill, NCARB, Chief, Plan Review Division

SUBJECT: **Compliance Assurance No. CA #529**
Certificate of Acceptability
CID Associates, Inc.
730 Ekastown Road
Sarver, PA 16055

The above manufacturer has submitted a Compliance Assurance Program and the appropriate fees. The inspection and evaluation agency has been previously certified by the Construction Code Commission. The Plan Review Division has evaluated this submission for compliance with Rules 1161 through 1168 and recommends that the Commission issue a Certificate of Acceptability, in accordance with Section 4 of 19 of 1972 PA 230, MCL 125.1504, and the General Rules, Part 11 Premanufactured Units, Rule 1132(1).

TYC/lg

Providing for Michigan's Safety in the Built Environment

LARA is an equal opportunity employer
Auxiliary aids, services and other reasonable accommodations are available upon request to individuals with disabilities.
P.O. BOX 30254 • LANSING, MICHIGAN 48909
www.michigan.gov/bcc • Telephone (517) 241-9302 • Fax (517) 241-9570



RICK SNYDER
GOVERNOR

STATE OF MICHIGAN
DEPARTMENT OF LICENSING AND REGULATORY AFFAIRS
BUREAU OF CONSTRUCTION CODES
IRVIN J. POKE
DIRECTOR

STEVEN H. HILFINGER
DIRECTOR

Document No. 11-27

June 14, 2011

TO: Members of the Construction Code Commission

FROM: Todd Cordill, NCARB, Chief, Plan Review Division

SUBJECT: **Compliance Assurance No. CA #514**
Certificate of Acceptability
Sturdisteel Co-Div of Schultz Industries, Inc.
131 Ava Drive
Hewitt, TX 76643

The above manufacturer has submitted a Compliance Assurance Program and the appropriate fees. The inspection and evaluation agency has been previously certified by the Construction Code Commission. The Plan Review Division has evaluated this submission for compliance with Rules 1161 through 1168 and recommends that the Commission issue a Certificate of Acceptability, in accordance with Section 4 of 19 of 1972 PA 230, MCL 125.1504, and the General Rules, Part 11 Premanufactured Units, Rule 1132(1).

TYC/lg

Providing for Michigan's Safety in the Built Environment

LARA is an equal opportunity employer
Auxiliary aids, services and other reasonable accommodations are available upon request to individuals with disabilities.
P.O. BOX 30254 • LANSING, MICHIGAN 48909
www.michigan.gov/bcc • Telephone (517) 241-9302 • Fax (517) 241-9570



RICK SNYDER
GOVERNOR

STATE OF MICHIGAN
DEPARTMENT OF LICENSING AND REGULATORY AFFAIRS
BUREAU OF CONSTRUCTION CODES
IRVIN J. POKE
DIRECTOR

STEVEN H. HILFINGER
DIRECTOR

Document No. 11-28

June 14, 2011

TO: Members of the Construction Code Commission

FROM: Todd Cordill, NCARB, Chief, Plan Review Division

SUBJECT: **Compliance Assurance No. CA #530**
Certificate of Acceptability
Shelton One, Inc.
5887 Monument Drive
Grants Pass, Oregon 97526

The above manufacturer has submitted a Compliance Assurance Program and the appropriate fees. The inspection and evaluation agency has been previously certified by the Construction Code Commission. The Plan Review Division has evaluated this submission for compliance with Rules 1161 through 1168 and recommends that the Commission issue a Certificate of Acceptability, in accordance with Section 4 of 19 of 1972 PA 230, MCL 125.1504, and the General Rules, Part 11 Premanufactured Units, Rule 1132(1).

TYC/lg

Providing for Michigan's Safety in the Built Environment

LARA is an equal opportunity employer
Auxiliary aids, services and other reasonable accommodations are available upon request to individuals with disabilities.
P.O. BOX 30254 • LANSING, MICHIGAN 48909
www.michigan.gov/bcc • Telephone (517) 241-9302 • Fax (517) 241-9570