

Plumbing Design Classes

Date: Tuesday, Dec 10, 2013
Where: Plumbing Industry Training Center
SEE map on back page

MEETING BEGINS
Networking / Sponsor Table Top Viewing
5:00 PM

DINNER
5:30 - 6:00 PM

Cost: ASPE, ASSE, MBPA Mbrs: NC
 Non-members: \$18.00 FOR DINNER

DESIGN CLASS
6:00 - 8:00 PM

**Topic: Backflow Assemblies -
 Good Design Practices
 for Installations**

Speaker: Matt Kapcia
 Cross Connection Control
 Inspector, City of Troy, MI

See page 3 for program & bio and the full event
 schedule on our web site. **REGISTRATION REQUIRED**
 Contact Dann Holmes, Director/ Chapter Affiliate:
 dann.holmes7@gmail.com - (248) 921-0582

inside...

Notices 2
 December's Program 3
 Upcoming ASPE Events 4
 Past President Report 5
 Liaison Report 6
 VP Technical Report 8 - 9
 MI Plumbing Code Seminar 10
 November Meeting Photos 12 - 13
 Book Bundles 16
 Sponsors Listings 18 - 19

**From Joe Hernandez, CPD
 President of EMC ASPE**



I have a confession to make, I was at the game when Detroit Lion's played the Dallas Cowboys and I left early. I was sure there were going to lose, but to my surprise they pulled off a remarkable win. In short, just like Eric Hipple, Matt Stafford beat America's team. What a game! That brings me to this, are you leaving early when it comes to understanding the Engineering Societies? We are fortunate to have two very strong Engineering Societies that are championed by a

dedicated support group. The leader of the pack is the Detroit Chapter of ASHRAE and the younger brother is the Eastern Michigan Chapter of ASPE.

Since I am a charter member of the Eastern Michigan, allow me to introduce you to the American Society of Plumbing Engineers or otherwise known as ASPE. The Eastern Michigan chapter was Chartered in 1975 by six persons, Bruce Dean, PE, George Williams, PE, Joe Sactorum, PE, Roy Gilbert PE, George Bradford, mechanical designer and Larry Keelan, PVI Mfg. Rep. If you are over 60 you may know these gentlemen and personally. I do, did and have. They were highly skilled at their chosen professions and had a dream of how to make the designs better and uniform. They elected to use ASPE as a starting point and then ASHRAE. Let me ask you, do you have a desire to learn how your designs could be better and more consistent? Seek out the Engineering Societies and you will be astonished on how many of your industry companions feel the same. If you like you can start with ASPE or ASHRAE. Either way you can make a difference.

Our November meeting was scheduled a week earlier than usual due the hunting season because we sought to be sympathetic toward our members that feel compelled to commune with nature. Our meeting covered the LEED requirements for an Existing Building's Plumbing and Mechanical System. The speaker was Alan Deal, PE, of Performance Engineering. Once again, I bring to the forefront that our Speakers are highly qualified professionals, and experts in the field. Thank you Alan!

Our December meeting will be held at the Training Center in Troy on Ring Rd. as always. Our subject will on Backflow Assemblies and Good Design Practices for Installations. The meeting will be early in the month, December 10th, so as to not conflict with holiday gatherings. Our guest speaker is Matt Kapcia.

Did you get a gift list for Christmas and not sure what to buy? Here is an idea, pick up that ASPE data book and give it to yourself and say it's from Santa. Neat idea, Huh?

Continued on page 2

* Chapters are not authorized to speak for the Society.

2012 MI PLUMBING CODE SEMINAR,
JAN 9 & FEB 6, 2014
SEE FLYER/REGISTRATON
IN THIS NEWSLETTER

2012 MICHIGAN PLUMBING CODE

The 2012 Michigan Plumbing Code effective date for enforcement begins January 17, 2014. Michigan 2012 Plumbing Code book orders are now being accepted by the Code Study and Development Group (CSDG) at MCA-Detroit. Contact John Nussbaum at 313-341-7661 or email: jnussbaum@mcadetroit.org to order yours now.

ASSE ANNUAL MEETING & AWARDS BANQUET

The ASSE Michigan Chapter Annual Meeting & Awards Banquet will take place on Saturday, February 8, 2014 at the Shriner's Silver Gardens Events Center in Southfield, MI. Tickets are on sale now for the John E. Matthews Scholarship Fund Raffle. Contact John Nussbaum at 313-341-7661 or email: jnussbaum@mcadetroit.org

2012 MICHIGAN MECHANICAL CODE

The 2012 Michigan Mechanical Code took effect September 27, 2013. These code books are available through the Code Study and Development Group. Contact John Nussbaum at 313-341-7661 or email: jnussbaum@mcadetroit.org to order yours now.

ASSE IS ACCEPTING APPLICATIONS FOR THE ALFRED STEELE SCHOLARSHIP

The Alfred Steele Scholarship has \$3,000 in available monies for qualified applicants. Is is limited to ASPE members and their immediate families who have a GPA of 3.0 or higher, who are enrolled in or plan to enroll in an engineering program at a college, university, or technical school on a full-time basis. Contact Stacey Kidd for more information at (847) 296-0002, or email skidd@aspe.org

PLUMBING TRAINING CENTER ASSE BACKFLOW RE-CERTIFICATION

We'll be giving an ASSE Backflow Re-Certification class to any member who is eligible. If you're interested, please call the Training Center and get your name on the sign-up list for the next class training.

Ask About The Bundles
New \$\$\$ Saving Book Deals
Call John @ 313-341-7661

President's Report

Continued from page 1

As for the Christmas list you got, go to your local shopping mall and do battle with the Tweeners and good luck! If you want a good deal on the ASPE data books check with John Nussbaum and he'll help you.

On behalf of the Eastern Michigan Chapter of ASPE, wishing you all a great Holiday season and prosperous 2014 New Year, oh I forgot, Go Lions!

It's your chapter, get involved!

Your president,

Joe Hernandez, CPD

CASPE American Society of Plumbing Engineers™
EASTERN MICHIGAN **Groundbreaking Storm Drainage System Research Project Report**
Now available and FREE for everyone

Co-sponsored by 

ASPE Research Foundation
Click for more information [view details.](#)

INTRODUCING **BASYS™**



©2011 Sloan Valve, Inc. All rights reserved.

**Any Application.
Any Environment.™**

Basys™ offers a truly innovative platform of modular electronic sensor faucets for a broad range of commercial applications. Backed by a century of experience and grounded in proven Sloan technologies, the platform delivers revolutionary efficiencies in service and maintenance. With five body types, multiple power harvesting options, and advanced programmability and user controls, Basys provides the ultimate experience for users and plumbers alike.




Build a Basys online:
sloanvalve.com/basys



Crowns:



Power Options:

-  Battery
-  Solar
-  Hard-wired
-  Turbine

DIVERSIFIED SPEC. SALES
248-398-2400

SLOAN.



For more info follow below link
<http://aspe.org/sites/default/files/webfm/pdfs/CPD/CPDBulletin.pdf>



Career Center

- Post a Resume
- View Jobs
- Recruitment

ASPE NATIONAL HAS A CAREER CENTER WHERE YOU CAN POST A RESUME, VIEW JOBS AND RECRUIT. GO TO FOR MORE INFO:
<http://careers.aspe.org/>

December Program

Backflow Assemblies -
 Good Design Practices for Installations



Matthew Kapcia is a Cross Connection Control Inspector with the City of Troy, Michigan.

A graduate of Walsh College in Troy, Matt has over 28 years experience in the plumbing profession.

He worked for Roulo's Plumbing, Heating & Cooling Co. in Harper Woods for many years, Matt the Plumber, Inc., and managed Nelson Brothers Sewer and Plumbing in Royal Oak before moving to the City of Troy in October of 2000.

Matt has been a member of the Michigan Backflow Prevention Association (MBPA) Board of Directors since March 2001 and has held the position of Treasurer since 2003.

He teaches at the annual MBPA backflow conferences and also at the Michigan DEQ annual Advanced Cross Connection Control Conferences.

He currently holds a Master Plumber License, Plumbing Contractor License, ASSE 5110 Backflow Preventer Tester Certification, and an S-3 Water Operator Classification. Memberships: American Backflow Prevention Association - Michigan Backflow Prevention Association.

January Program

Water Treatment - ASPE Data Book
 Volume 2, Chapter 11

Speaker: To Be Determined

THE KENNETH G. WENTINK COLLEGE OF FELLOWS

ASPE College of Fellows Is Accepting Nominations

To find out more go to "ASPE.org/Fellows"

UPCOMING ASPE EVENTS

Early next year ASPE is hosting three training seminars around the country, and members are invited to attend. The following information and links are being shared with members so that you can take advantage of these professional development opportunities.

- January 28, 2014: Intermediate Plumbing Design Half-day Workshop in Culver City (Los Angeles, CA)
 - <https://aspe.org/IntermediateWorkshop>
 - This half-day seminar is for advanced plumbing designers who want to learn more details about the systems that they currently design. Centered around commercial kitchen design, this program touches on a multitude of systems and will follow the California Plumbing Code. More details online.
 - Fee: \$100 (includes lunch)
- January 30, 2014: Revit MEP 2014 Full-day Workshop in Santa Ana (Orange County, CA)
 - <https://aspe.org/revitmepworkshop>
 - This winter ASPE is headed west for a one-day intensive special one day class where you will get the whole day to be hands-on with Revit MEP 2014. This class will be instructor led and will go through the creation, layout and editing of HVAC Ductwork, Mechanical Piping, and Domestic Piping including sloped Sanitary requirements. This class is intended for the Revit user that is familiar with the software interface and is proficient with the core tools. You can bring your own laptop or rent a laptop with the software pre-loaded.
 - More details online
 - Fee: \$225 (\$300 with computer rental)
- February 11, 2014: Revit MEP 2014 Full-day Workshop in San Antonio, TX
 - <https://aspe.org/revitmeptexas>
 - You asked, we're delivering! ASPE is headed to Central Texas for a one-day seminar where you will get the whole day to be hands-on with Revit MEP 2014. New for this workshop: the registration fee includes a computer rental pre-loaded with Revit MEP. This class is intended for the Revit user that is familiar with the software interface and is proficient with the core tools.
 - Fee: \$225 (includes computer rental)

Past President Report

John Nussbaum, IPP, FASSE/ASPE



Licensing and Regulation: I am sometimes asked why domestic water heaters come under the ‘Forbes Mechanical Contractors Act’ and in the ‘Michigan 2009 Plumbing Code’ soon to be the 2012 Michigan codes? My answer is to insure the safe installation of the gas piping systems and venting of

domestic water heaters. This is for the protection of the general public from possible explosion or asphyxiation. The 2009 Michigan Plumbing Code Chapter 5 deals with Water Heaters of all types and the water distribution piping system to and from the water heater. The licensed plumber deals with the waterside of water heaters and its relating piping systems. He is trained in water temperature control devices important in preventing scalding, “Legionella”, brain eating amoeba “Naegleri” and other waterborne diseases. The Master Plumber is knowledgeable of the various different types of domestic water heaters, storage tanks and recirculation systems and their proper application based on hot water demand. He is proficient in cross connections and safety devices. Having Plumbing and Mechanical Licenses is what protects the public’s health and safety.

Plumbing and Mechanical Licensed Contractors, Master Plumbers and Journey persons after testing by the State of Michigan Licensing Boards are kept up on changes in the latest technology regarding plumbing & mechanical equipment, systems, application and codes. Code update classes are a requirement for the renewal of their license. Their continued expanded education comes through their trade associations MCAA, PHCC and their local affiliates, various affiliated organizations ASPE, ASSE, NFPA, ABPA (MBPA), ASHRAE, and here in Michigan, the International Code Council (ICC).

Our Union Affiliated Contractors and their employees get their upgraded training at the management and union funded state of the art METROPOLITAN DETROIT PLUMBING INDUSTRY TRAINING CENTER (MDPITC). The MDPITC is where once a month a sponsored dinner meeting by the manufacturers and their representatives takes place under the ASPE, ASSE label. Some of these meetings are co-hosted by the other affiliated groups. In attendance you will find yourself networking with all factions of the Plumbing and Mechanical Industry. Noted speakers some local, some from out of state will enlighten you with their expertise and knowledge that you may know little or nothing about. The panel discussions have at times brought questionable responses from the audience and in some cases have made for a rather lively exchange between panelist and the attendees. Programs are chosen from request by the attendees and approved by the ASPE program committee and board at their June Meeting. Some of the programs are brought in after they had been seen at an ASPE Symposium

or Convention and are recommended by our members. Here in Southeastern Michigan we value our industry relationships from the design professionals to the installing tradesman. We are one of the very few in the country that is a true consensus groups.

John R. Nussbaum, IPP, FASSE/ASPE

CODE UPDATE CLASSES

Code Update classes prior to the January 17th enforcement date will take place January 9, 2014 and February 6, 2014. Location is to be determined.

A notice is posted with times and location on the website and in this newsletter.

ESD PROFESSIONAL BENEFITS FOR MEMBERS:

To find out about numerous benefits such as discount radio advertising, free email marketing, monthly networking events and many other discounted programs and services go to:

<http://ww2.esd.org/MEMBERSHIP/MemberBenefits.htm>

GET YOUR BENEFITS NOW!

Affiliate Liaison Report

Dann Holmes



For years now we've experienced hard times in Michigan. But, believe it or not, we have so much to be thankful for. Our Eastern Michigan Chapter of ASPE is especially thankful for our factory and manufacturers' representatives

We're thankful for the successful Detroit Tiger baseball season we had; it

was so successful that we postponed our October meeting a few weeks. I'm thankful for my new job although I'm still adjusting to its demands and time constraints. So much so that I missed submitting last month's article. I'd like to make up for lost time. Over the past two months, the informational and financial support we've gleaned from our vendors has been first rate.

In October, Pam Hartsell, CPD with Strategic Energy Solutions (www.sesnet.com) in Berkley moderated a panel discussion on "Plumbing and Mechanical Piping Materials". Cindy Zatto with V.E. Sales; Todd Hamilton with Victaulic and Tom Zimmerman representing the Burke Agency not only participated in the panel discussion, they brought their products to display. We learned a lot of interesting facts on different piping options and joining methods.

In November, we couldn't have been more thankful. The evening started with social time followed by an early Thanksgiving Dinner catered by Ginny. Alan Deal, PE followed up with his "LEED v4.0 Updates Green Building Operation and Maintenance" program. This brought out even more vendor support!

Performance Engineering; R.L. Deppmann; J.O. Galloup/Merlo Energy; Lochinvar; Kohler and the Burke Agency all helped sponsor this event. They brought samples, brochures and their industry knowledge to enhance our understanding of the new LEED standards. Be sure to read Ed Hawley's article for a short summary.

Alan Deal and Curt Martin with Performance Engineering displayed hot water options from RayPak including the XTherm and HiDelta offerings.

Greg Merlo and John Martino with J.O. Galloup/Merlo Energy displayed the Armstrong Hot Water Group Flo-Rite Temp water heater product line.

Jerry Potapa Jr. CPD and Paul Prentice with R.L. Deppmann who are never short on product options or industry support were presenting Bell & Gossett; Aerco; BMK Boilers; GWS Griswold Water Systems and Laars products.

Jason Loverich with Lochinvar, always a presence in this industry presented the Knight and Shield commercial and residential water heater and boilers.

Pat Baker representing Kohler displayed their "Bold. Conservation.™" faucets, showerheads and water closets. These fixtures include the EPA – WaterSense; Alliance for Water Efficiency; USGBC and Alliance for Sustainable Built Environments certifications or listings.

Last, but certainly not least we had the continued support from Tom Zimmerman and John Taylor with the Burke Agency. They were excited to be showing the Wilo Pump product line. Wilo has made a great contribution to the advancement in pump technology in the US. ECM technology is here to stay and every engineer, designer and installer should be looking at using it in as many projects as they can.

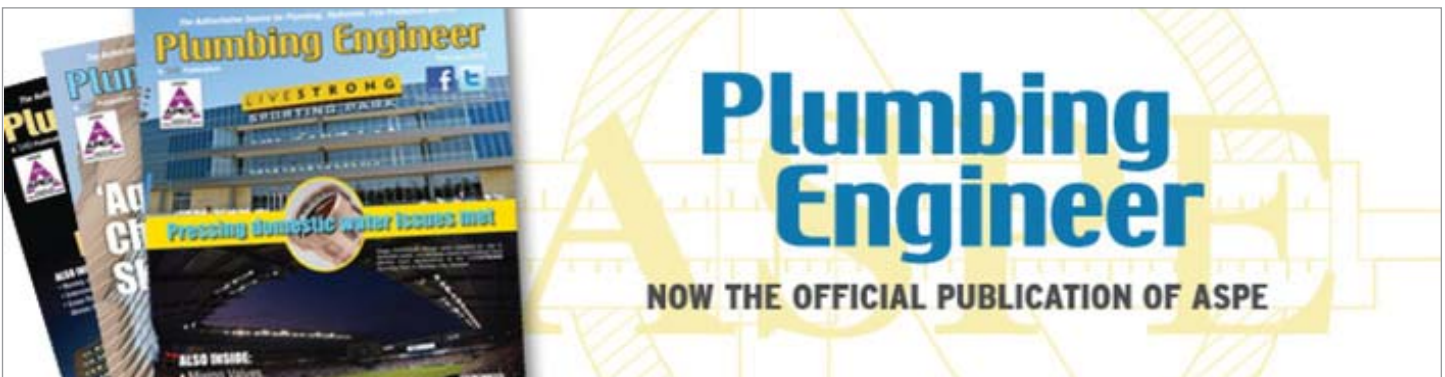
We all need each other to be successful. Doing so, not only do we continually learn; but the engineer, designer, manufacturer, their reps, the distribution channel, the building owner and inspector wins. Ultimately, we as consumers win. For these reasons and more, I want to thank all those listed above for all you do. Happy Thanksgiving; Go Detroit Lions!

If you have a specific question concerning a manufacturers' product, please contact them using the information provided above.

I can be reached at via e-mail at dholmes@nsf.org office (734) 214-6222 or cell (248) 921-0582. Be sure to visit and bookmark the NSF website at www.nsf.org.

Dann Holmes – NSF International

Business Unit Manager - Plumbing Programs and ASPE
Region 2 Affiliate Liaison



All Sloan Faucets are Lead-Free

Engineers know this: When they specify sensor faucets from Sloan, they are specifying lead-free.



Sloan demonstrates its commitment to sell compliant faucets and mixing valves with a weighted average of 0.25 % Pb. Sloan is the first electronic faucet manufacturer to also be listed to the national standard **NSF/ANSI 372**. So now you can rest easy, because Sloan faucets meet all commercial lead-free needs in facilities such as education, healthcare, hospitality, offices and sports/entertainment by meeting the following codes:

- Section 116875 of the California Health & Safety Code
- NSF/ANSI 372-2011
- Vermont Lead Reduction Law (Vermont Act 193)
- Federal Lead Plumbing Law (U.S. Senate Bill No. S.3874)

Any Application.
Any Environment.



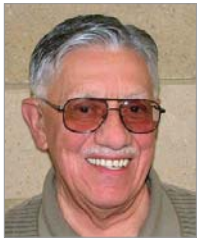
DIVERSIFIED SPEC. SALES
248-398-2400

SLOAN[®]

www.sloanvalve.com

V.P. Technical

Edwin Hawley, CPD



Tuesday, November 12th, 2013 at the Plumbing Industrial Training Center, in Troy, MI. The evening Design Class Program Titled: “LEED Updates Green Buildings Operation and Maintenance” LEED v4.0. (An Overview of Mechanical System renovations)

The Presenter: Alan Deal, P.E.

PROGRAMS OBJECTIVES

- Help to understand and describe the salient features of LEED v4.0.
- Analyze the major differences in credit categories between LEED v3.0 and LEED v4.0.
- How we must analyze the major differences in processes, requirements and reference standards between LEED 2009 and LEED v4.0.
- What we must understand and analyze the LEED professional’s entire role they play in building the certification under LEED v3.0 and LEED v4.0.

WHAT IS THE U.S. GREEN BUILDING COUNCIL?

The USGBC is a coalition of the country’s foremost leaders from across building industry.

They together promote buildings that are:

- Environmentally Responsible
- Economically Profitable
- Healthy Places to Live and Work

“TRANSFORMING THE MARKETPLACE”

The general members:

Architects, Engineers, Contractors, Owners, Developers Suppliers. Government Officials, Property Managers, Interior Designers, Code Officials, Financial Planners, Attorneys, Communities Planners, Building Tenants

“LEED V4.0”. HAS 4 CERTIFICATIONS LEVELS:

Credit Weightings

- 100 Base Points
- +10 Points under ID and RP

1. Platinum 80+ Points
2. Gold 60-79 pts
3. Silver 50-59 pts
4. Certified 40-49 pts

Points are earned for different levels of achievement relative to protecting natural resource creating and maintaining efficient, healthy buildings and communities.

LEED CREDIT CATEGORIES:

1. Location and Transportation (NEW)
2. Sustainable Sites
3. Water Efficiency
4. Energy and Atmosphere
5. Materials and Resources
6. Indoor environmental Quality
7. Innovation in Design/Operations
8. Regional Priority – Bonus credits.

LEED GB O+M PROCESS FLOWCHART

1. Audit (Period 2 - 3 Months)

- Perform gap analysis, site & building analysis.
- Perform initial cost benefit analysis.
- Perform energy audit
- Obtain initial decision-maker buy-in,
- Outline scope of improvement plan.

2. Plan (Period 2 – 3 months)

- Hold charrette
- Train Stakeholders
- Define timelines & milestones
- Develop improvement plan
- Refine cost benefit analysis,
- Obtain owner buy-in.

3. Program Development (2 - 6 months)

- Train participants
- Verify critical plan elements
- Develop & initiate best practicea
- Collect data
- Complete goal setting
- Review cost-benefit.

4. Performance Period/Certification (1 year)

- Start performance period
- Compile all data
- Validate costs & savings
- Submit to GBCI.

5. Education/Recertification (Continuos)

- Certification ★
- Share the success
- Educate Stakeholders
- Continuous Improvement
- Re-Certification.

BUILDING COMMISSIONING: The process of verifying and documenting that a building and all of its systems and assemblies are planned, designed, installed, tested, operated, and maintained to meet the owner’s project requirements. Systematic process of assuring that a building performs in accordance with the design intent and the owner’s operational needs.

Related terms: CxA, Building Envelope Commissioning (BECx, or ECx).

LCCA: LIFE-CYCLE-COST-ANALYSIS: Evaluates a product’s ‘economic performance’ for selecting the most-effective design alternative.

This differs from the life cycle assessment which evaluates a products ‘environmental’ impact.

Related credit: “Integrative Process”

REFERENCE STANDARDS: Document or Standard referred within a LEED rating system to achieve a particular credit or prerequisite.

Continued on page 9

V.P. Tech Report

Continued from page 8

Examples:

ASHRAE standards and design Guides

- Carbon Trust Guide
- Energy Star Target Finder Tool
- ISO
- UPC Code
- epAct 2005

LEED for Existing Buildings: Operations & Maintenance (v4)

LOCATION & TRANSPORTATION	POSSIBLE: 15
LTC1 Alternative transportation	15

SUSTAINABLE SITES	POSSIBLE: 10
SSp1 Site Mgmt policy	REQUIRED
SSc1 Site development - protect or restore habitat	2
SSc2 Rainwater Mgmt	3
SSc3 Heat Island reduction	2
SSc4 Light pollution reduction	1
SSc5 Site Mgmt	1
SSc6 Site improvement plan	1

WATER EFFICIENCY	POSSIBLE: 12
WEp1 Indoor water use reduction	REQUIRED
WEp2 Building-level water metering	REQUIRED
WEc1 Outdoor water use reduction	2
WEc2 Indoor water use reduction	5
WEc3 Cooling tower water use	3
WEc4 Water metering	2

ENERGY & ATMOSPHERE	POSSIBLE: 38
EAp1 Energy efficiency best Mgmt practices	REQUIRED
EAp2 Minimum energy performance	REQUIRED
EAp3 Building-level energy metering	REQUIRED
EAp4 Fundamental refrigerant Mgmt	REQUIRED
EAc1 Existing building commissioning—analysis	2
EAc2 Existing building commissioning—implementation	2
EAc3 Ongoing commissioning	3
EAc4 Optimize energy performance	20
EAc5 Advanced energy metering	2
EAc6 Demand response	3
EAc7 Renewable energy and carbon offsets	5
EAc8 Enhanced refrigerant Mgmt	1

MATERIAL & RESOURCES	POSSIBLE: 8
MRp1 Ongoing purchasing and waste policy	REQUIRED
MRp2 Facility maintenance and renovations policy	REQUIRED
MRc1 Solid waste Mgmt - ongoing	2
MRc2 Solid waste Mgmt - facility maintenance and renovations	2
MRc3 Purchasing - lamps	1
MRc4 Purchasing - ongoing	1
MRc5 Purchasing - facility maintenance and renovation	2

INDOOR ENVIRONMENTAL QUALITY	POSSIBLE: 17
EQp1 Minimum IAQ performance	REQUIRED
EQp2 Environmental Tobacco Smoke Control	REQUIRED
EQp3 Green cleaning policy	REQUIRED
EQc1 IAQ Mgmt program	2
EQc2 Enhanced IAQ strategies	2
EQc3 Thermal comfort	1
EQc4 Interior lighting	2
EQc5 Daylight and quality views	4
EQc6 Green cleaning - custodial effectiveness assessment	1
EQc7 Green cleaning - products and materials	1
EQc8 Green cleaning - equipment	1
EQc9 Integrated pest Mgmt	2
EQc10 Occupant comfort survey	1

REGIONAL PRIORITY	POSSIBLE: 4
RPc1 Regional priority	4

TOTAL 110

40-49 Points
CERTIFIED

50-59 Points
SILVER

60-79 Points
GOLD

80+ Points
PLATINUM

RATING SYSTEMS AND PROJECT TYPES –

LEED 3.0 BD+C

- New Construction
- Core Shell Development
- Schools
- Retail
- Healthcare

HOMES (NEW – LEED V4.0)

O+M

Existing Buildings (Operations & Maintenance)

NEIGHBORHOOD DEVELOPMENT (NEW LEED V4.0)

ID+C

- Commercial Interiors
- Retail

(NEW LEED V4.0 – FOR BD+C)

- Data Centers
- Warehouse & Distribution Centers
- Hospitality

LEED 2009 OR V3.0 WILL BE AVAILABLE FOR LEED PROJECT - Registration until June 1, 2015

Integrated design team: All the individuals involved in a building project from early in the design process, including the design professionals, the owner's representatives, and the general contractor and subcontractors.

Related terms: Integrative process

PRESENT STATISTICS

- More 40,000 certified buildings
- 9 billion Square feet of space registered
- 120 + countries
- 170,000 + LEED Professionals'
- 1.6 million square feet every day
- LEED International Program

WATER EFFICIENCY

- Indoor Water use reduction
- Building-level Water Metering
- Outdoor Water use Reduction
- Sustainable Wastewater Management (Removed)
- Cooling Tower Water Use
- Water Metering

ASHRAE 90.1-2010 CHANGES (LEED V4.0)

- 30% less energy than 2004 version
- 10% less energy than 2007 version

BETTER BUILDINGS AND SYSTEMS

- Increased insulation values
- Better glazing
- Demand control ventilation >500 square ft. or 40 people/1000 square ft.
- Ecominizers required in most cases

This whole Program is not a full LAW, Just a Guidelines & Agreements by the participants to save energy. All will need to take the classes and pay the fee's for the credits.

I tried to do justice to this important program, which could not be easily defined without the effort of the reader, taking the time to study each issue with all the participants of the project program. A very good job done by: Mr. Allen Deal. See you all at the next month's meeting, Dec. 10th, 2013. Edwin Louis Hawley, CPD VP TECH.

2012 MICHIGAN PLUMBING CODES ACCREDITED 4 HOUR CODE UPDATE SEMINARS

Dates: Thursday, January 9, 2014

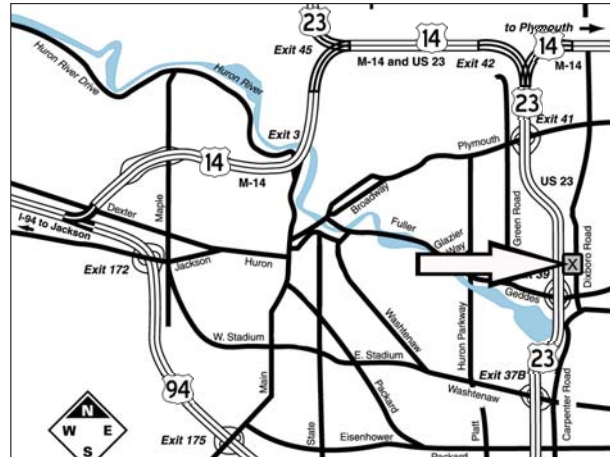
Registration: 7:00 AM

Seminar: 8:00 AM - 12:00 PM
Continental Breakfast from 7:00 - 8:00 AM

Where: NSF International (Vaughan Rm)
789 North Dixboro Rd.,
Ann Arbor, MI 48105

Cost: \$145 per person
includes 2012 MI Code Book, Seminar

or \$70 per person
includes Seminar ONLY



PLEASE NOTE: You should have your own copy of the **NEW 2012 Michigan Plumbing Code (effective Jan. 17, 2014)** for this seminar. All prepaid pre-ordered 2012 MI Plumbing Code books, included in the full seminar price of \$145 per person, will be available for pick up on the day of your seminar at the seminar location when you sign in. **We will not be selling code books at the seminars.**



Joseph T. Madziar,
Chief Plumbing Division
Bureau of
Construction Codes

Program: A full four (4) hour presentation and explanation of the Codes, of the Michigan Plumbing Code (commercial, industrial and institutional). Completion of this course will give the attendee the State of Michigan requirements necessary to renew their Journey Plumber and Master Plumber licenses as a code update class. Registered Inspectors will also receive three (3) hours of Technical, and one (1) hour Specialty credits (class # 17657). Program sponsored by the Code Study and Development Group of Southeastern Michigan. **2012 MI PLUMBING CODE GOES INTO EFFECT 1-17-2014**

Instructor: Joseph T. Madziar is Chief of the Plumbing Division within the Bureau of Construction Codes, Department of Labor and Economic Growth, State of Michigan. Joe Madziar was appointed Plumbing Division Chief, Bureau of Construction Codes, Michigan Department of Licensing and Regulatory Affairs, June 10, 2013. Prior to becoming chief, he served as the state's Senior Plumbing Inspector for six years. He was a state plumbing inspector from 2005 to 2006. A licensed master plumber for 33 years, Madziar owned and operated his own plumbing and heating business for 17 years. His licenses and certifications include: Master Plumber license, Plumbing Contractors license, Mechanical Contractors license, Boiler Installers license, Plumbing Inspector certification, Plan Review certification and Backflow Preventer Testing certification

SPACE IS LIMITED - PRE-REGISTRATION AND PAYMENT NECESSARY

Code inquiries: Contact John Nussbaum at (313) 341-7661 ext. 211 or jnussbaum@mcadetroit.org.

Questions, registration changes and code book orders: Contact Cassandra Mudloff at (313) 341-7661 ext. 205, e-mail to cmudloff@mcadetroit.org or fax to (313) 341-1007.

Make all checks payable to: Code Study & Development Group of SE Michigan

Mail to: Plumbing Code Update Seminar, 14801 W 8 Mile Road, Detroit, MI 48235

****PICTURE I.D. REQUIRED TO RECEIVE CREDIT****

		ORDERING CODEBOOK	AMOUNT ENCLOSED
NAME _____	PLUMBERS LICENSE # _____	<input type="checkbox"/> YES <input type="checkbox"/> NO	\$ _____
NAME _____	PLUMBERS LICENSE # _____	<input type="checkbox"/> YES <input type="checkbox"/> NO	\$ _____
COMPANY OR AFFILIATION _____	CONTACT PERSON OR SUPERVISOR _____		
ADDRESS _____	CITY / STATE / ZIP CODE _____		
TELEPHONE NUMBER _____	E-MAIL ADDRESS IF AVAILABLE _____		

Seminar administration, publications and printing contributed by the Mechanical Contractors Association of Detroit (www.mcadetroit.org).



KERR PUMP AND SUPPLY

Web Site: www.kerrpump.com
E-Mail: chad@kerrpump.com

12880 Cloverdale, Oak Park, MI 48237
Ph.: (248) 543-3880 Fax: (248) 543-3236

Liquid Pumps
Vacuum Pumps
Heat Exchangers
Blowers
Related Equipment
and Accessories

Sales • Service • Repair



Syncroflo Booster Packages: Custom, Large, and Small.....We create and build all!!!



Ironheart and Ironheart Lite

- NSF 61 "G" Annex G Certification
- Horizontal and Vertical Configurations with ASME/FDA Tanks
- Variable Frequency Drive units include Color Touch screen
- All header material is made of 304 stainless steel (Standard)
- Ironheart Lite is a great fit for lower flow applications (10-100 GPM)



Rainwater Systems and Custom Packages

- Rainwater Treatment and Pumping Packages for Toilet Flushing Cooling Tower Makeup.
- Custom Packages (exterior enclosures, underground vault, etc.) for various applications and systems. (HVAC, Plumbing, Irrigation, etc.)
- (LEFT) Custom "Complete" Booster Package with entire concrete enclosure shipped as one piece. This unit can produce up to 3600 GPM with 4 end suction pumps at 50 HP for a local automotive plant. Package was 13 ft wide by 27 ft long. Total weight 92,500# (46 Tons) with the 10 axle truck weight included, the new total was 171,000# (85.5 Tons)



For More information contact Kerr Pump or visit Syncroflo at www.syncroflo.com

Michigan's Oldest Supplier of Pumps and Process Equipment - 1905



**LEAD-FREE.
WORRY-FREE.
HASSLE-FREE.
4 YEARS EARLY.**

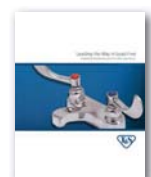


www.tsbrass.com
800.476.4103

With new national lead-free legislation taking effect in 2014, there's been a lot of talk about making the switch. Here's the truth: T&S was the first fixture, faucet and fitting manufacturer to convert its entire line to lead-free alloys back in 2010.

So when you purchase a T&S faucet today, you're already lead-free compliant. No worries. No hassle.

Visit tsbrass.com/literature to download a free brochure about our lead-free products, or contact your local T&S rep for more information.



T&S plumbing products represented in Eastern Michigan by: Diversified Spec Sales - 248-398-2400

Curt Martin, Performance Engineering Group



L to R:
Paul Prentice and
Gerry Potapa Jr. CPD
with R.L. Deppmann

L to R:
Pam Hartsell CPD with
Strategic Solutions and
Jason Loverich with
Lochnivar



L to R:
Pat Baker with Kohler,
Danilo Nerida with
SmithGroup JJR





L to R:
John Taylor and
Tom Zimmerman with
the Burke Agency and
Ken Matsumoto with
Guideline Mechanical

L to R:
Greg Merlo and
John Martino
with J.O. Galloup/
Merlo Energy



Speaker, Alan Deal,
President, Performance
Engineering



**Performance Engineering;
R.L. Deppmann; J.O. Galloup/
Merlo Energy; Lochinvar;
Kohler and the Burke Agency
all helped sponsor this event.
We Thank You All.**

We'll see you on December 10th

SAVE THE DAY



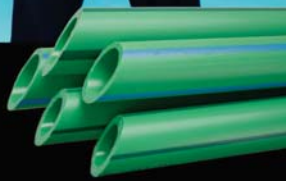
WARNING: Using Aquatherm pipe does not give you superhero powers, even though you may feel like it. Do not attempt to fly or stop trains. Seriously.

Unleash your inner hero.

What if you could offer piping systems that were invulnerable to corrosion and pinhole leaks and more reliable than anyone thought possible? And what if they also saved money, time, and the planet? Yeah we think that would be super too.



aquatherm
801.805.6657
www.aquatherm.com



The Most Technologically Advanced - Complete Grease Removal Systems Product Line Available Anywhere in the Industry!

GreaseStopper®



Highland's Grease Removal Systems are the best choice to pre-treat kitchen wastewater.



www.highlandtank.com
Phone 814-443-6800
gru@highlandtank.com

Featuring

- GreaseStopper Automatic
- Grease Interceptors (AGI)
- Flush-in-Floor AGI
- Manual Grease Interceptors
- Passive Grease Interceptors
- Solids Strainers

Custom Fabrications are Available

Passive Grease Interceptors With exclusive Switchback Baffle System



Flow Control Solutions

Cindy Zatto

V.E. SALES COMPANY, INC.

For additional information on Apollo, Aquatherm, Highland Tank and MIRO products, please contact Cindy Zatto at 810.343.2713 or Cindy.z@vesalesinc.com

Who can **YOU trust** in this lead free jungle?

We're still **the one...**

with foundries, machining and assembly that **never** left the USA



Ball Valves | Mixing Valves | Strainers | Backflow Preventers
APOLLOXPRESS® | and more

"Apollo"
LEAD FREE

Features & BENEFITS

- Apollo Quality – EVERY Valve is 100% Tested Before Packaging
- Apollo Lead Free Products are 100% ANSI 3rd Party Lead Free Certified
- Reliable, Lead Free Metals Don't Cause Any Soldering Issues
- Lead Free Inventories for Plumbing, Standard Metals Inventories for Non-Drinking Water
- **NEW!** Easy to Identify White Handles and Large Lead Free Tags
- Extensive Line of LEAD FREE Products for the Plumbing Market



learn more at apollovalves.com/lead_free or call (704) 841.6000

follow us on



The Simple Solution For Rooftop Support



20 Year Warranty | 2.0 PSI or Less Pre-Assembled | Take-Off to Installation
Made in the U.S.A. | Recycled Material
www.miroind.com

PERFORMANCE
engineering group



32995 Industrial Road, Livonia, MI 48150
Phone 734.266.5300 Fax 734.266.5310
www.performanceengineering.com



High Efficiency Water Heaters
High Efficiency Heating Boilers
Custom System Solutions
Storage Tanks

Heating Boilers
Hot Water Supply
Pool/Spa Heaters
Storage Tanks
Complete Parts Stock



Snowmelt Systems
Radiant Floorheat Systems



Residential Water Heaters
Commercial Water Heaters
Storage Tanks
Complete Parts Stock

Natural Gas / Propane / Electric / Oil
3,000 to 4,000,000 BTU's
- ALSO -

Aldrich Boilers / Holby Valves / Valley Water Softeners



**AS AN ASPE MEMBER YOU CAN RECEIVE
THE PIPELINE PUBLICATION
ACCESS ARCHIVE EDITIONS AT
<http://aspe.org/Pipeline>**



American Society of Plumbing Engineers
Eastern Michigan Chapter

ASPE EMC BOOK ORDER bUNDLES

SPECIAL PRICING

- * C.P.D. Manual
- * Plumbing Dictionary
- * Tables Handbook
- * Illustrated Plumbing - Codes Design Handbook

BOOK GROUP I CHAPTER MEMBERS

- * Domestic Water Heating Manual - 2nd Edition
- * Siphon Standard - Softcover
- * Vent & Drainage Slide Rule
- * Water Pipe Size Calculator
- * Solar Energy Systems - Hard Cover

BOOK GROUP II CHAPTER MEMBERS

- * Engineered Plumbing Design II
by Alfred Steele, P.E., CIPE & A. Calvin Laws, P.E., CPD
- * Plumbing Technology (Duncan)
- * Practical Plumbing Engineering (Harris)
- * Rainwater Catchment Standard - Soft Cover
- * Advanced Plumbing Technology Book

BOOK GROUP III CHAPTER MEMBERS

- * Hunter Papers
- * PED 1 - 209 HB
- * PED 2 - 206 HB
- * PED 3
- * PED 4

BOOK GROUP IV CHAPTER MEMBERS

* SINGLE PRICING TBD

Book Group (**bUNDLE**) Ordered:

Book Group I -

Book Group II -

Book Group III -

Book Group IV -

Price: _____

Date: _____

Name: _____

Sign: _____

Call John Nussbaum for pricing at 313-341-7661 ext. 211- Checks payable to ASPE EMC

Mail to: John Nussbaum, 14801 West Eight Mile Rd, Detroit, MI 48235



QuantumFlo[™]
an exponential leap in pump technology



[Innovation in the Industry]

As a proud ASPE Member, QuantumFlo is committed to excellence and industry innovation.

QuantumFlo is a leader in the manufacturing and distribution of advanced packaged pump systems, and provides pump solutions for commercial plumbing, HVAC, and many other market applications.

View our new website to gain knowledge of industry news, innovative products and reps near you!

Visit us today at: www.quantumflo.com

Joe Hernandez » Quality Water & Air » (248) 589-8010 » joequalitywaterair@gmail.com



NOT ALL FITTINGS ARE CREATED EQUAL

The global leader in plumbing, heating and pipe joining systems



Real quality comes from innovation not imitation. With over 112 years of experience in innovative thinking, Viega offers our customers trustworthy products, reliable service and proven quality. Customers trust Viega because our systems have proven themselves over and over again. Viega leads and our competition follows. Viega ProPress is the original press pipe joining solution. Anything else is an imitation.

1-800-976-9819

www.viega.com

BALFREY & JOHNSTON, INC.

Manufacturers' Representatives
P.O.Box 37317
Oak Park, MI 48237
George D. Johnston
Ph 313 864-2800 Fax 313 864-7219
george@balfrey-johnston.com
www.balfrey-johnston.com

KERR PUMP AND SUPPLY

Manufacturers' Representatives
12880 Cloverdale
Oak Park, MI 48237
Chad Kundering
Ph 248 543-3880 Fax 248 543-3236
Mobile 734 812-9490
chad@kerrpump.com

BURKE AGENCY, INC.

Manufacturers' Representatives
2605-A Oakley Park Road
Walled Lake, MI 48390
Brian Burke, Tom Zimmerman, Brett Young
Ph 248 669-2800 Fax 248 669-3310
bburke@burkeagency.com
www.burkeagency.com

MAJOR/LOZUAWAY & ASSOCIATES, INC.

Manufacturers' Representatives
1117 W. Grand Blanc Rd.
Grand Blanc, MI 48439
Mike Ostrowski
Wayne Phillipotts
Ph 810 234-1635 Fax 810 234-8389
moski@lozuaway.com

DALE PRENTICE COMPANY

Manufacturers' Representatives &
Application Engineering Solutions Provider
36511 Harding Avenue
Oak Park, MI 48237
Michael Cullen Cell 248 302-5924
Ph 800 536-4700 Fax 248 339-5559
mcullen@prenticeco.com - www.prenticeco.com

MEEK / BECK & ASSOCIATES, INC.

Manufacturers' Representatives
11875 Belden Court
Livonia, MI 48150
Ross Beck
Ph 734 458-2950 Fax 734 458-2953
meekandbeck@aol.com
www.meekbeck.com

DAVE WATSON ASSOCIATES, INC.

Manufacturers' Representatives
1325 W. Beecher St.
Adrian, MI 49221
Dave Watson, Jr.
Ph 517 263-8988 Fax 517 263-2328
dwa@davewatson.biz

PERFORMANCE ENGINEERING GROUP

Engineered Water Products
32955 Industrial Rd.
Livonia, MI 48150
Alan Deal
Ph 734 266-5300 Fax 734 266-5310
www.performanceengineering.com

**DIVERSIFIED SPEC. SALES, INC./
HOWLEY AGENCY SALES CO.**

Manufacturers' Representative
13261 Northend Ave.
Oak Park, MI 48237-3265
Michael J. Burdette
Ph 248 398-2400 Fax 248 547-4905
www.diversifiedspec.com

PLUMB-TECH DESIGN & CONSULTING SERVICES

Plumbing-Piping-Fire Protection & HVAC System Design
Code & Standard Consulting - Forensic Investigations
Litigation Support - CAD - Training Seminars - Tech. Writing
3525 N Dixie HWY, Monroe, MI 48162
Ron George, CPD, President
Ph 734 322-0225 Fax 734 322-2949
www.Plumb-TechLLC.com

HS/BUY VAN ASSOCIATES, INC.

Manufacturers' Representatives
56 S. Squirrel
Auburn Hills, MI 48326
Jarrett Armstrong
Bill Allen
Ph 888 472-8982 Fax 248 852-0298
info@hsbuyvan.com
www.hsbuyvan.com

QUALITY WATER & AIR, INC.

Manufacturers' Representative
1402 Souter
Troy, MI 48083
Dawn Cole
Ph 248 589-8010 Fax 248 589-8016
qualitywaterair@cs.com
www.qualitywaterair.com

R.L. DEPPMANN COMPANY

Manufacturers' Representatives
20929 Bridge Street
Southfield, MI 48033
Chris Leider, Gerry Potapa Jr., CPD,
Mark Fine LEED AP®, Paul Prentice, LEED AP®
Ph 800 589-6120 Fax 248 354-3763
sales@deppmann.com - www.deppmann.com

TRO SALES COMPANY

Manufacturers' Representatives
3406 West 12 Mile Road
Berkley, MI 48072
Thomas R. Osberger
Ph 248 546-5354 Fax 248 546-3513
tomr@trosales.com

TAGGART-KNIGHT GROUP

Manufacturers' Representatives
32985 Hamilton Court, Suite 102
Farmington Hills, MI 48334
Gary O. Taggart
Ph 248 553-4388 Fax 248 553-4653
info@taggartco.com
www.taggartknight.com

V. E. SALES COMPANY

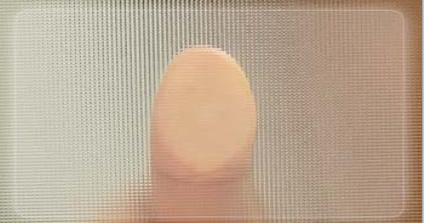
V. E. Sales is your source for
the finest quality flow control solutions.
25200 Jefferson Ave.
St. Clair Shores, MI 48081
Thomas Van Egmond
Ph 586 774-7760 Fax 586 774-1490
www.vesalesinc.com



MCA Detroit supports
Michigan Chapters of
ASPE, ASSE and
MBPA affiliate
of ABPA

Your Identity . Your Company

boost it



place your ad here

ASPE NEWS

American Society of Plumbing Engineers-Eastern Michigan Chapter

Theresa Green, Newsletter Editor
MCA Detroit / tgreen@mcadetroit.org

Internet Address
http://aspe.org/Eastern_Michigan
Region 2 - Great Lakes
Eastern Michigan

Non-Profit Corporation
Local Chapters Not Authorized To Speak For
The Society

First Class Mail

2013-2014 ASPE-EMC Board and Committee Chairpersons

President

Joseph V. Hernandez CPD
7360 Katrin Drive
Bloomfield, MI 48322
(248) 539-7665
joe7360@yahoo.com

Vice President Membership

Amanda Belcher, LEED GA
Strategic Energy Solutions
4000 W. Eleven Mile Rd.
Berkley, MI 48072
(248) 399-1900 x 235
amandab@sesnet.com

Vice President Technical

Edwin Hawley, CPD
ELH Group, Inc.
2124 Winchester Rd.
Rochester Hills, MI 48307
(248) 656-8253
edwin.hawley@comcast.net

VP Education

Esteban Cabello, PE, FASSE
JRED Engineering, Inc.
5608 Charlesworth St.
Dearborn Heights, MI 48127
(313) 565-5580 Fax 565-9818

Vice President Legislative

William Grayzar
28105 Greenfield Rd.
Southfield, MI 48076
(248) 569-1430 x 333
bill@dsonline.com

Treasurer

Pam Hartsell, CPD
Sr. Mechanical/Electrical Designer
Strategic Energy Solutions
4000 W. Eleven Mile Rd.
Berkley, MI 48072
(248) 399-1900 x 222
Fax: 399-1901
p_hartsell@yahoo.com

Administrative Secretary (Imm. Past President)

John Nussbaum, FASSE IPP
MCA Detroit
14801 W. Eight Mile Road
Detroit, MI 48235
(313) 341-7661 Fax: 341-1007
jnussbaum@mcadetroit.org

Newsletter Editor

Theresa M. Green
14801 W. Eight Mile Rd.
Detroit, MI 48235
(313) 341-7661 Fax: 341-1007
tgreen@mcadetroit.org

Corresponding Secretary

George Johnston II
Balfrey & Johnston, Inc.
P.O. Box 37317
Oak Park, MI 48237
(313) 864-2800 Fax: 864-7219
george2@balfrey-johnston.com

Director

Jeremy Brown
NSF International
789 N. Dixboro Rd.
Ann Arbor, MI 48105
(734) 769-5196 Fax: 827-7129
brown@nsf.org

Director/ Chapter Affiliate

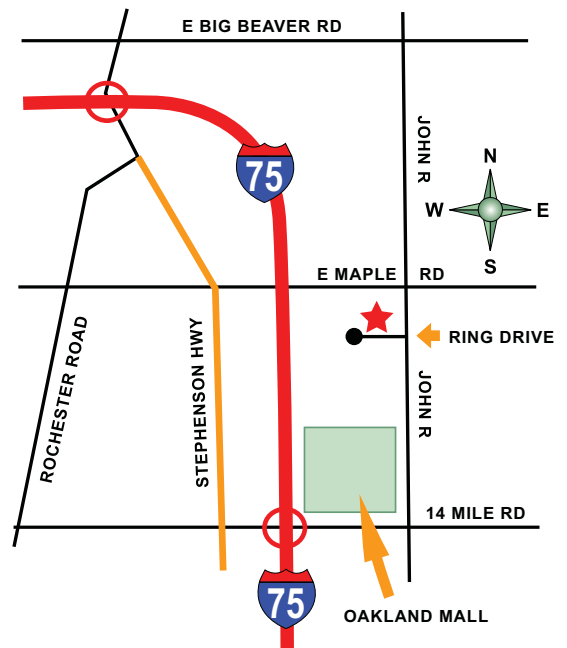
Dann Holmes
NSF International
789 N. Dixboro Rd
Ann Arbor, MI 48105
(734) 214-6222 Fax: (734) 827-7110
Mobile (248) 921-0582
dann.holmes7@gmail.com

Director/ Chapter Affiliate

Cindy Zatto, FASSE
V. E. Sales Company, Inc.
25200 Jefferson Ave.
St. Clair Shores, MI 48081
(586) 774-7760 Fax: 774-1490
cindyz@vesalesinc.com

Map to the Plumbing Industry Training Center 1911 Ring Drive - Troy, MI

West of and off John R, north of 14 Mile Rd.



ASPE EMC News is published 9 times per year (September through May, plus one summer issue if feasible). Yearly advertising rates are \$150.00 per ad for members and \$200.00 for non-members. One time digital full page insert advertisements are \$250.00 for one issue, quarter page (9 issues) \$250.00 - half page (9 issues) \$350.00 - three quarter page (9 issues) \$450.00 and full page (9 issues) \$550.00. Please call Theresa Green for any questions regarding pricing of ads. Checks should be made payable to ASPE E. Mich. Chapter and mailed to the attention of Theresa Green at 14801 W 8 Mile Rd, Detroit, MI 48235. All newsletter digital inserts should be emailed to ASPE-EMC c/o Theresa Green. Circulation 400 - Distributed to: Engineers, Contractors, Inspectors, and other industry professionals in Michigan. For contributing articles contact Theresa Green, Newsletter Editor at: tgreen@mcadetroit.org.