



THE AMERICAN SOCIETY OF PLUMBING ENGINEERS

ASPENEWS

1973 - THE BOSTON CHAPTER - 2009

A.S.P.E. - P.O. Box 111, East Walpole, MA 02032 - Vol. 36, Issue 6



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Society email aspehq@aol.com

Society Website www.aspe.com

Boston Chapter Website www.aspebos.org

Next Meeting

Tuesday, February 10th, 2009

The Lantana, Randolph, MA

MAIN PROGRAM

*Low Flush Fixtures
Applications & Advancements*

GUEST SPEAKER

Derek Kilpatrick

PROGRAM SCHEDULE

Social Hour	5:00 – 6:00
Dinner	6:00 – 7:00
Chapter Business	6:45 – 7:00
Speaker / Technical Session	7:00 – 8:30

MENU

Clam Chowder, Chicken with Bacon
& Mississippi Mud Pie

MEETING RESERVATIONS

\$30.00 Reservation / \$40.00 W/O Reservation

"FREE" with sign up of New Member

\$15.00 off if you bring a Guest

Please reserve by **FRIDAY, February 6th, 2009**

Contact Cathy @ W.P. Haney, (508) 238 – 2030

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Chapters are not authorized to speak for the Society

New England Fire Protection Systems Designers Product Show

The New England Association of Fire Protection Systems Designers announces their 9th New England Fire Systems Product Show. The show will feature over fifty spectacular product booths exhibiting the latest in cutting edge technology and providing information to over 2,000 invited guests!! The show will be held on Thursday, March 19, 2009 at Lantana's in Randolph, Massachusetts. In addition, the show will feature concurrent fire protection seminars.

For information on booth space or guest list contact:

The New England Association of Fire
Protection Systems Designers (NEAFPSD), P.O. 149,
Wrentham, MA 02093-0149
or visit our web site at www.neafpsd.com

2009 Boston Chapter Product Show and Seminars

The Product Show will be in November of 2009.
Frank Teebagy, Chair, Paul Taylor Deputy Chair, and
Nancy Bonetti, Vendor Chair are forming the committee.

All interested members should contact
Frank at 617-494-9090, Paul at 508-230-0260 or Nancy at 781389-2060.



Membership News

New Members

New Associate or Full members joining the chapter will receive a Boston Chapter Plumbing Designer "Tool bag" filled with an assortment of plumbing "tools" that come in handy both out at the job site as well as back in the office. The tools have been generously donated by the Affiliate members of the Chapter. For those of you that are new members this year, you can pick up your tool bag at the next monthly meeting you attend. Please mention that you have earned a tool bag when you RSVP for the meeting and we will have one available for you that night. To date, the following new members have qualified for a tool bag: Terence Boland, Mike Kazazian, Jill Moretti, Dorian Alba, Christine Lyle and James Scales.

Membership Renewal

As I indicated in my previous reports, a bylaw change was passed at the Convention that affects everyone's annual membership renewal. The proposed bylaw change eliminates the three month "grace period" extended after the membership anniversary date.

In the interest of notifying our chapter members ahead of time, we will add your membership renewal month to the mailing label on your newsletter. This way, you will know in advance when your anniversary date is approaching. Additionally, I will list the member's names that are due for renewal each month in this membership report. Hopefully these gentle reminders will help you remember to renew your membership in a timely fashion.

Chapter members with a membership expiration in *January* are: Allison, Barrell, Basile, Belanger, Beliveau, Boland, Cardinal, Carter, Chandrashekar, Ciarcia, C. Curran, D'Angelo, Davey, Deltufo, Dempsey, DiBella, Fairneny, Farrell, Hickey, Jackson, Kijowski, Kingman, D. Kirschner Jr., R. Kirschner, R. Kirschner, Kupka, Littman, McCaffrey, Mierzejewski, Roberts, Serpa,

(Continued on page 3)

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Technical Report

HET's and HEU's, "It all in the wrist"

Please come join us this month for a presentation on the newest information about low-flush toilets and urinals (HET's and HEU's).

Derek Kirkpatrick of Caroma will be the presenter, and has a great presentation prepared about the latest knowledge into the myriad issue around the use of HET's and HEU's. This will include topics such as waste travel, dual-flush advancements, and other elements around the use and design of HET's and HEU's.

In addition to the technical issues, Derek will enlighten us on the issues of water use, and shortages, and the role that HET's and HEU's play in assisting with lowering demand.

It proves to be a great topic, and timely. Derek will be focusing on the 1.6/0.8 gpf dual flush toilet that can save more than 18,000 gallons of water per year. He will also touch on the rapid technology that has made the 1.28/0.8 gpf toilets a reality.

Come join us for this extremely interesting technical presentation.

By James Polando, PE, CPD, V.P. Technical

(Continued from page 2)

Shifman, Smith Sr., Sweatt, Visco, Watson and Zizza. If you haven't sent in payment already, please do so immediately so your membership doesn't lapse. If you have, no need to worry about it for another year.

Chapter members with their membership expiration in February are: Bowes, Brogan Cannistraro, Couture, Czapowski, Dears, Denham, Denisi, Dicenzo, Diep, Doraci, Duross, Friberg, Furbish, C. Garcia, Grabowski, Grant, Hannon, Harding, Hart, Jackson, Jacobs, Keefe, Kitsalis, Lewis, Lombardi, MacEwan, Moloney,, Nicolas, O'Brien, Pepper, Reagan, Rogers, Rossi, Vela and White.

According to Society, the Boston Chapter has 348 members as of December 2.

By John Callahan, CPD, V.P. Memb., Boston Chapter ASPE



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Topic: Code Updates
Presenters: Paul Kennedy & Joe Peluso

Visit the website at www.theplumbingmuseum.org

Pipe Flow Table

Ever wonder why it takes so long to get hot water at a faucet? Depending upon the size and length of the hot water piping between the recirculated main and the faucet, it can take quite a while.

As a handy reference tool, here is a small table that shows the capacity of various pipe sizes, as well as the time it takes to move a 1/2 gpm of hot water (the equivalent of a single lavatory faucet) through the piping. It's just a little handy reference you can cut out and keep in your desk drawer, wallet or briefcase.

If anyone else has a handy chart or table they would like to share with the other Boston Chapter members, please email them to dawnp@jhpokorny.net.

Pipe Size (inches)	Pipe Capacity (Gal. per ft.)	Travel Time / ft (@ 0.5 gpm)
3/8"	0.006	0.7 sec
1/2"	0.010	1.2 sec
3/4"	0.023	2.8 sec
1"	0.041	4.9 sec
1 1/4"	0.064	7.7 sec
1 1/2"	0.092	11 sec
2"	0.163	20 sec
3"	0.367	45 sec
4"	0.653	1.3 min

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ASK THE ARCHITECT ?

Question: I recently read an interesting article by Julius Ballanco regarding the responsibility of the Plumbing Engineer or Designer to “hold the spec”. For years, I’ve seen Plumbing Engineers write specifications for every possible plumbing system component, and I am always amazed at the lack of thought, effort, care, or responsibility that goes into some of the specifications I see.

Plumbing specifications are frequently outdated, inaccurate, incomplete, ambiguous, contradictory, or just plain wrong. Add to that the specification that lists three different manufacturers products, and the three listed products aren’t even equal to each other! Some of these specifications are so bad that the Plumbing Engineer couldn’t hold the spec even if he wanted to. When asked whether they’ll actually hold their specification or approve an inferior product being submitted, all too often the Engineer admits he won’t reject the submittal and will approve the inferior product. What’s he afraid of?

I can’t help but wonder if the same issues apply to architectural specifications. Do you find sloppy specifications being slapped together project after project, with the same mistakes, errors and incorrect model numbers in one project after another? Do architects in general care more about the products they are specifying, and take more responsibility to ensure a quality product is specified, submitted, approved and installed on their project? Are all door hardware products equal, just like all water heaters and mixing valves appear to be? Finally, would you specify or approve a door that you had to double-close? I’m curious because we frequently specify and approve toilets that you have to double-flush...

I’d be interested in hearing an architect’s perspective on holding the spec.

Answer: Holy CSI Batman! This letter sparked a lot of conversation on the Architect’s side and we totally agree with you. It’s very frustrating that many A/E professionals don’t recognize that contract documents stand on two legs; drawings *AND* specifications. It’s tough describing a 3D project using 2D representations so the contractor can build it correctly without a ton of change orders. Doing it with only one ‘leg’ of the contract documents is suicide.

With respect to not holding the spec, our crew has been lucky enough not to have that problem *too* often. We are usually pretty good with specifying the materials and products, especially those which set the quality of the design. We do get caught when the specs refer to the drawings and the drawings refer back to the specs with no resolution. Many of us engage a separate spec writer whose sole job is to produce specs, which reduces “*outdated, inaccurate, incomplete, ambiguous, contradictory, or just plain wrong*” specs.

What we find instead is that some contractors have scheduling or access problems and propose other products/materials to save money/time. Sometimes the alternative is sub par or will cause coordination issues. In these instances we discuss why we recommend against acceptance of the substitution and what credit may be due. However, in the end it is the owner who makes the call.

Lastly, as to re-specifying shoddy product, we can probably both agree this happens primarily when the field/construction administration people don’t report back to the spec writer or when no one tells the spec writer that the Owner is complaining and unhappy.

Hopefully, with more advances in BIM technology, the separation between specs and drawings will disappear and our A/E/C product will be an intelligent, coordinated, 3D data base prototype of the building.

SNAPSHOTS FROM JANUARY MONTHLY MEETING



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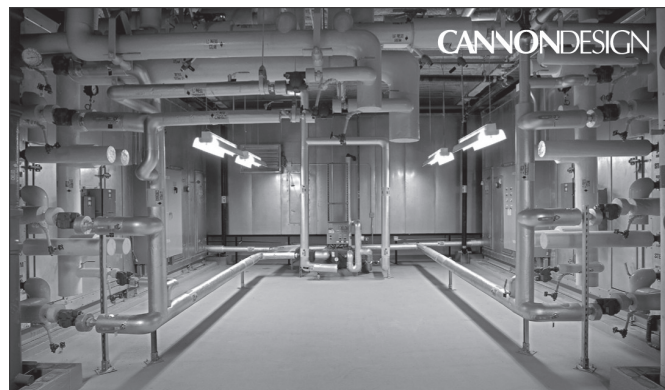
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ASK THE ARCHITECT ?

Do you have a question about why Architects have a very different approach to things than engineers do?
Do you want to know what makes them tick?
Do you want to know why Architects think engineers are overpaid and underworked?
Do you want to know how to solidify a relationship with an Architect?
Do you want to know why Architects are the prime consultant and the Engineers are not?

*Well now is your chance.....Please submit your questions to "ASK THE ARCHITECT"
c/o dawnp@jhpokorny.net, and get the answer from our panel of Architects.*

The Boston Chapter of ASPE has privilege of hosting a column, Ask the Architect. We will submit all appropriate questions to our panel of Architects, and will post the questions and responses in a later edition of the newsletter. We have a small group of Architects (to remain nameless) that have agreed to field questions from engineers with the idea of building a better understanding of what makes Architects different that engineers. The idea is to form better relationships, based on a better understanding of each other.

This forum, and the exchange, does not represent any Architectural or Engineering group or society.

This promises to be fun and educational. You may not like some of the answers, but candid dialog is what this is about. You can identify yourself, or remain anonymous, as you elect. Please submit your questions, and get involved in what should be an enjoyable exchange between professionals.

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The Boston Chapter is pleased to welcome
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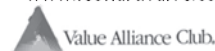
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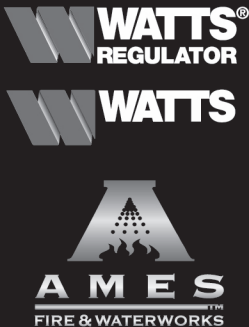


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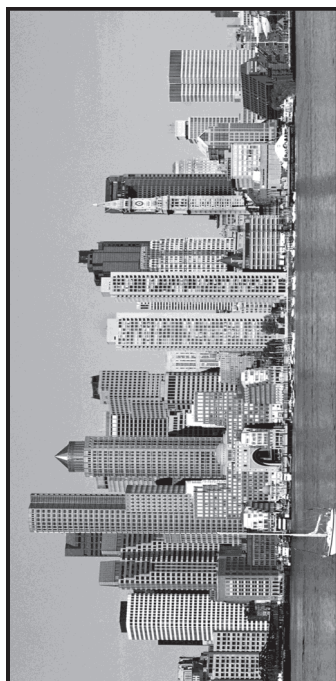
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