



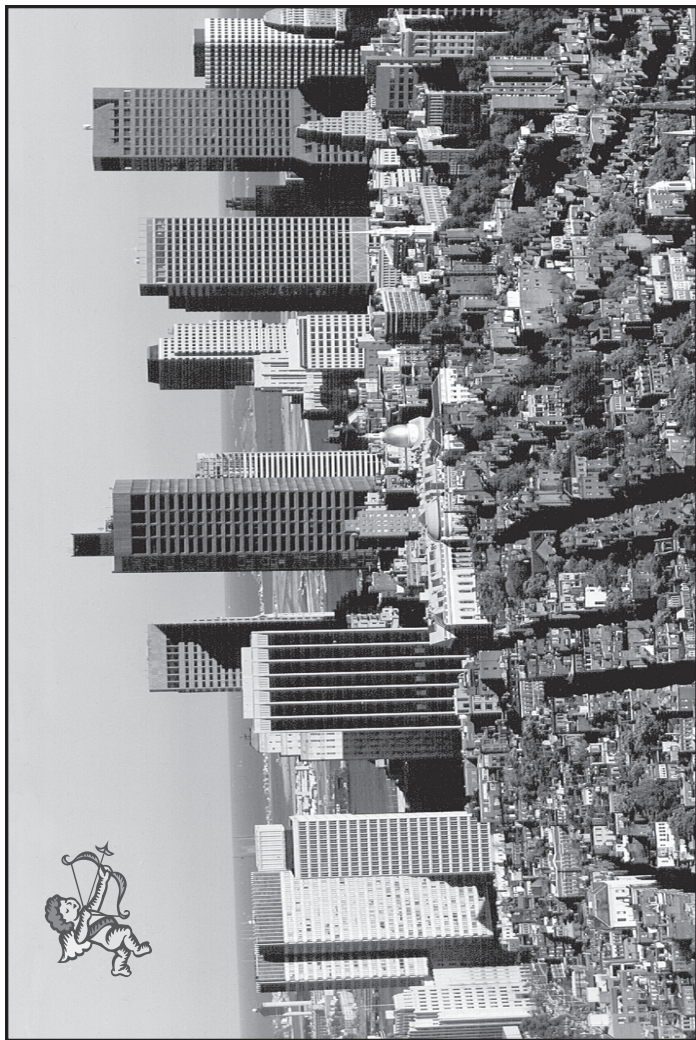
THE AMERICAN SOCIETY OF PLUMBING ENGINEERS

# ASPENEWS

1973 - THE BOSTON CHAPTER - 2007

The Engineering Center - One Walnut St - Boston, MA 02108 - Vol. 34, Issue 6

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Society email [aspehq@aol.com](mailto:aspehq@aol.com)

Society Website [www.aspe.com](http://www.aspe.com)

Boston Chapter Website [www.aspebos.org](http://www.aspebos.org)

## Next Meeting Tuesday, February 13, 2007

*The Lantana, Randolph, MA*

### MAIN PROGRAM

"What the Engineer should look for  
during field visits"

### GUEST SPEAKER

*Dale Powel  
of Copper Development Associates*

### 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

Crisp Garden Salad  
Chicken Andouille with a medley of vegetables  
Mississippi Mud Pie

### MEETING RESERVATIONS

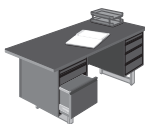
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Please reserve by **FRIDAY, February 9, 2007**

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

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**Chapters are not authorized to speak for the Society**



## President's Report

Our January 9, 2007 Chapter Meeting featured one hour program by David R. Hague PE, CFPS, CET Principal Fire Safety and Systems Engineer for the National Fire Protection Association. There were a total of 43 attendees 21 affiliate members, 22 full members and Associate members and --- student member. Mr. Hague gave a superb presentation on the Significant Technical Changes to NFPA 13, 2002-2007.

Changes such as:

- Chapter 5 Further definition of Ordinary Hazard Group 2
- Chapter 7 Dry Pipe - Preaction Systems new 500 & 750 Gallon Options
- Chapter 8 Furniture such as trophy cases, Kitchen Cabinets do not require sprinklers
- Chapter 8 Attached Multiple Buildings may be served by a single Fire Sprinkler Riser
- Chapter 8 ESFR Minimum protection area shall be 64 sf
- Chapter 8 Where Heat Tracing Systems are they shall be listed & supervised
- Chapter 9 Trapeze Hangers systems shall be listed for Fire Protection
- Chapter 22 Computer Generated Hydraulic Reports shall contain a Graph Sheet

The Speakers knowledge of the subject was Excellent. Speakers Presentation was rated as Excellent. The Topic was not adequately Covered. The Presentation was nonproprietary.

The week of January 15, 2007 may prove to be a turning point in our quest for Plumbing PE Registration.

### CPD EXAM

This year the CPD EXAMINATION will be given on line at over 200 sites in the US & Canada. The CPD EXAM will consist of 100 multiple choice questions covering five major job dimensions: Gathering Information, Administration, Design, Specifications, and Construction Services. The test fee will be \$375.00 for members. A practice exam will be available after February 2007 on line from ASPE National. Registration for the exam will begin January 9, 2007 with an April 6, 2007 deadline. The Exam will begin at 2:00 PM and end promptly at 5:30 PM EST April 21, 2007. For further information on the exam contact the ASPE National office at 773-693-2773 or download at [www.ASPE.org/CPD/2006-2007 CPD-Bulletin. PDF](http://www.ASPE.org/CPD/2006-2007%20CPD-Bulletin.PDF)

The Boston Chapter will be providing a review Class if there is enough interest. If interested please email me [al@marzullo.com](mailto:al@marzullo.com) stating Name, Member number, Email Address, and Telephone Number. Included in the Review will be a Practice Exam

By Alfred M. Marzullo PE, CPD, President, Boston Chapter ASPE  
President Boston Chapter ASPE  
Chairman ASPE Registration Committee



## Membership News

Greetings!

We have secured August 23, 2007 @ The Easton CC for our 17<sup>TH</sup> Annual Golf Outing. Please mark your calendars so you don't miss this great event.

When you see President Al Marzullo thank him for the quick approval regarding 10/20/30 year pins which will be purchased by the Boston Chapter. We'll even sneak in a Past Presidents Pin for Joe Vela. Congratulations again to all the award recipients.

#### 10, 20 and 30 year pins are on order for the following recipients:

- |                         |                            |
|-------------------------|----------------------------|
| 30 years - George Dubin | 10 years - Phil Hugo       |
| 30 years - Greg Wilcox  | 10 years - Jim Harrison    |
| 20 years - Jim Galvin   | 10 years - Gary Lombardi   |
| 20 years - Joe Vela     | 10 years - Francis Patnode |
| 20 years - Roger Urell  | 10 years - David Urell     |

As always, we are always looking for new members so please take a moment and ask someone from your organization to join.

By James P. Harrison, V.P. Membership, Boston Chapter ASPE

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## Technical Report

I am pleased to announce for the February meeting we will have Dale Powell from the Copper Development Association. Mr. Powell will be discussing the items which an Engineer must pay attention to in a copper system when doing a site inspection. This should be an informative and helpful meeting as we all must go out and inspect the quality of the workmanship on our projects.

Mr. Powell, Northeast Regional Manager for the Copper Development Association Inc. (CDA), will present this program. CDA is a not-for-profit trade association that serves as the advanced market development and engineering services arm of the copper and brass industry in the United States. As such, CDA provides engineering assistance, technical development and installation training to the designers, specifiers, installers and consumers of copper and copper alloy tube, pipe and fittings.

Since 1995, Mr. Powell has managed the commercial and plumbing tube and fittings markets in the 13 Northeastern states and the District of Columbia for CDA. He has over 24 years experience in the plumbing and HVAC industry as an Estimator, Project Coordinator, Designer and Installer. Dale is a Master Plumber, Certified Instructor of Apprentices and Journeymen with 16 years experience as an Instructor and is professionally affiliated with ICC, NFPA, NACE, AWS, ASPE and numerous other professional organizations.

Dale is a member of the Technical Committee for NFPA 54 - National Fuel Gas Code, ASPE's Working Group #10 for Pipe Sizing, and is involved in many code related task forces.

As Al Marzullo our Chapter President announced the Board of Directors for the Boston Chapter is putting together a CIPE/CPD review course for the end of March we will be providing dates in the near future but tentatively we are looking at two Wednesday evenings. However we must first ask the Membership to either e-mail Al or myself so we can determine the attendance for this event. National will be providing a practice test available after February 5<sup>th</sup> for the April CIPE/CPD test.

We are also approaching the time for elections. If anyone is interested in running for a board position then they should approach one of the board members to let them know so that Ballots can be compiled for the April Newsletter.

Also, I would like to reiterate that the product show committee will be meeting for the first time on February 6<sup>th</sup>. If anyone is interested in getting involved please contact Jeff Gooding for more information. The March meeting will be a joint meeting with the PHCC and will be held in Quincy at the Marriot I will have more information in my next article.

**\* There will be a free raffle with door prizes given out at the conclusion of the meeting.\***

By Frederick Neth, CIPE, V.P. Technical Boston Chapter ASPE



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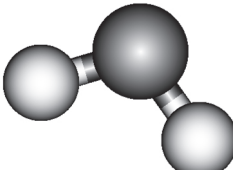
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## Legislative Report

This month's legislative report will continue to compare the design differences of the major sections of the Massachusetts State Plumbing Code (248 CMR 10.00) to that of the international plumbing code (IPC). This month's article will review the Materials & Joints section along with the Traps & Cleanout section. Both 248 CMR and the IPC present similar materials, joints, joining methods for the various materials and the standards that govern each material. The only apparent difference in the two codes is in 248 CMR section 10.07.2(p), the code specifically mentions Victualic Joints and the appropriate press (the code mentions the model press) that shall be used.

The traps section of the two codes are virtually identical, the only differences being in the IPC, section 1002.1(3) allows a grease trap to serve as a fixture trap for single fixture or a combination sink, section 1002.4 requires trap primers for certain applications, section 1002.3(6) prohibit the use of a drum trap and section 1002.10 prohibits traps and pipes from being exposed in mental health centers. Both codes present similar requirements for the placement of cleanouts; the only notable difference is for cleanouts on horizontal pipe, 248 CMR requires cleanouts to be no more than 50 feet apart while the IPC requires no more than 100 feet.

If you know of any areas I have missed, please feel free to contact me at [Fdenisi@troiungbrannen.com](mailto:Fdenisi@troiungbrannen.com)

By Frank Denisi, Deputy V.P. Legislative, Boston Chapter ASPE



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CDA is a not-for-profit trade association that serves as the market development and engineering services arm of the copper and brass industry in the United States. CDA is your source for information related to copper and copper alloys.

## EDUCATION CHAIRMAN'S REPORT

Greetings everyone. If you are looking to share your knowledge and design experience with others in the plumbing industry who are eager to learn, please contact me to be considered for the 2007 Technical Symposium taking place in Atlanta, GA from November 2 – 4th. ASPE is currently taking submissions from individuals who are interested in presenting the following technical sessions:

*How to Start a Project, Gathering Information, Plumbing Codes, etc., Terminology, Symbolology*

*NFPA 13 - Review of New 2007 Revisions*

*Over View of Leeds*

*Plumbing Engineers Portion of Process*

*Commercial Kitchen Design*

*Grease Traps*

*Health Code*

*High Rise Systems*

*Soil Waste and Vent Design*

*Seismic Design and New 2007 Revisions*

*Green Requirements for New and Existing Buildings*

*Mixing Valves Two Temperature Hot Water System Design*

*Pressure Reducing Valves Design as They Relate to High Rise*

*Hot and Cold Water Design, Back Flow Prevention*

*Shop Drawings Review Complete with Hydraulic Calculations*

*Water Reduction Calculation, Gray Water Systems Reclaim and Reuse Applications*

*Medical Gases*

*Siphonic Roof Drain Design - Objective Review Positives and Negatives Proper Applications*

*Natural Gas, Storm System Design*

*Special Systems Fm 200, Intergin, Foams, etc.*

*Green Roof Design, Rain Water Harvesting*

*Vivarium Systems Design Part 1 (Animal Housing)*

*Hydrogen Fuels (Fleet Design)*

*NFPA 14 Standpipes - NFPA 20 Fire Pumps - NFPA 11, 24, 25*

*Green Buildings Exam Review*

*Vivarium Systems Design Part 2 (Animal Housing)*

*Heat Transfer, Legionella, Water Treatment, Pharmaceuticals*

Please send me your contact information (including your mailing address, email address and phone number), a brief professional biography about the person who would give the presentation, a description of the presentation topic which would be covered, and what would be contained in the presentation. Please keep in mind that these presentations need to remain non-proprietary in nature as the Technical Symposium is about learning, not selling. Each session will be a minimum of three (3) hours in length (with breaks) so please make sure the presentations are such that they cover a topic in detail.

**By Joseph A. Vela, Sr., CIPE, CPD**

**Education Chairman, ASPE Boston Chapter**

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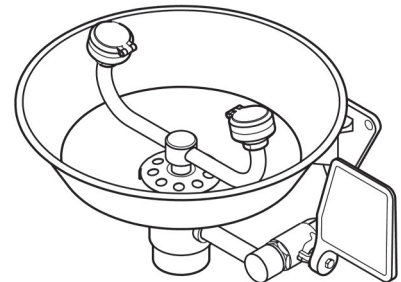
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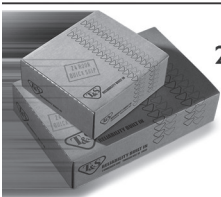
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February 19, 2007	Presidents' Day	No	No
April 17, 2007	Patriot's Day	No	No
May 28, 2007	Memorial Day	No	No
July 4, 2007	Independence Day	No	No
September 3, 2007	Labor Day	No	No

**BASIC HOLIDAY RULES:** All Holidays listed are Federal except Patriots Day which is a Mass. Holiday. Mfrs. are not required to pay time & a half for holidays falling on Sunday that are celebrated on Monday. Holidays falling on Saturday are celebrated on Saturday.

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## ***ASPE Boston Chapter 2007 Schedule of Events (Partial)***

February 13, 2007	Dale Powel of Copper Development Associates "What the Engineer should look for during field visits"	The Lantana - Randolph, MA
March 13, 2007	Joint Meeting with PHCC	Marriot - Quincy, MA
April 10, 2007	Siphonic Roof Drain Systems—John Rattenbury	The Lantana - Randolph, MA
May 8, 2007	The Boston Area Braintrust Panel: 4 Experienced Engineers share their knowledge in Q&A format moderated by Joe Vela <b>Chapter Elections</b>	The Lantana - Randolph, MA
August 23, 2007	18th Annual ASPE Boston Chapter Golf Outing	Easton Country Club - Easton, MA
September 11, 2007	Water Re-Use System Engineering, Design & Application - Brian Hagopian	The Lantana - Randolph, MA
October 9, 2007	Water Conservation / LEED credits - Blair Chamberlain & Mark Warren An in depth presentation on how to engineer & design for water conserva- tion, and LEED innovation credits for plumbing engineers and designers.	The Lantana - Randolph, MA

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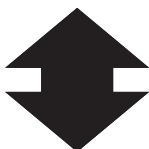
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