



SPECTRUM

Newsletter of the Puget Sound Chapter CSI

President's Message

Beth Stroshane, CSI, CCS

Connecting the Dots

Thank you to everyone who joined us for the February meeting. We had a very successful event with all sessions focusing on envelope testing and inspection. While listening to industry experts from Wetherholt, Morrison Hershfield, and Neudorfer Engineers, I realized that this group holds another set of dots that lead to a clear picture of a project.



Do you remember those connect-the-dot pictures that you, or someone you love, did as a kid? The ones for toddlers have ten dots. You can tell before you start that it is going to be a teddy bear or a monkey. As the number of dots went from 10 to 300 the picture went from easy to see before you connected the dots to seemingly random chaos of dots and numbers. The act of drawing straight lines in the correct order lead to an amazingly intricate space ship, dragon, or orchid.

The same is true of the AEC industry; only there are far more dots and the final picture is orders of magnitude more complex and intricate. The truly amazing part is that unlike a connect-the-dots puzzle, there is not a single artist who lays out all the dots. There are different people who add dots for financing, programing, code compliance, architectural design, structural design, MEP design, envelope testing, specifications, cost, schedule, material performance, material availability, installation, and operation, to name a few.

It would seem that the only way that this could be possible is if everyone in the industry understood what everyone else was doing. In addition, they would need to know how their work impacted, and was impacted, by other players.

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EVENTS CALENDAR 2014-2015 ChapterProgram Topics

[March 12, 2015](#)

Facilities
Management

[April 9, 2015](#)

Sustainability
Requirements of Materials
(lunch)

[May 21, 2015](#)

Changing Delivery
Methods

Anyone who has been in the industry very long knows that this is not the case. Each player is aware that others use their information, and their decisions impact the overall project. But few have the full picture.

CSI is one of the few places that you can sit down with the providers and users of the other dots that create the picture of your next project. A better understanding of the roles and challenges of other players will increase your ability to make sure your project ends up as a high-performing building and not a monkey.

Next month we will be focusing on Facilities Management. Come and test your current understanding of facilities management and share your knowledge, learn something, and leave with new information.

See you there.



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March 12th Programs

Chapter Dinner Meeting: Facility Management and Operations: A Bottom-Up View

Social Hour: 5:00-6:00pm, Dinner 6:00-7:00pm, Program 7:00-8:00pm
\$35 members/\$40 non-members/\$25 students/\$0 sponsored students
(after 3/9/15, prices will be additional \$10)

Our dinner program in March is going to be presented by two veterans of facilities management, Scott Pierce and Jeff Slaker. They will be giving us feedback on the performance of many of the buildings that they have been managing and operating. They will also be recommending specification improvements to ease operating the buildings, and discussing end-of-project construction contract deliverables that they believe could be more efficient and less costly. During their presentation they will be sharing experiences, both good and bad, that they have had during their many years of involvement in building management and operations.

Scott is co-founder and president of Facilities Partners, Inc, a facilities management and engineering outsourcing company in Kirkland. Prior, he worked for The Norman Company, where he acted as primary liaison between building operations and the executive management of

June 11, 2015
Awards Reception

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the properties. Scott is a graduate of the University of Illinois in Business Administration, is also a Certified Plant Engineer, and a Certified Mechanic.

Jeff has served as Chief Engineer for many property management companies over the past 25 years in the Puget Sound area specializing in recovery of building operations (recommissioning); and has also served as start-up commissioning engineer on many projects. Jeff is currently providing building systems optimization strategies to building owners. He is a graduate of Central Washington University, and Lake Washington Technical Institute in Industrial Plant Maintenance.

REGISTER NOW!

Tech Talk 1: Overview of Building Automation Systems (BAS): Key Points When Specifying Control Systems for Performance and Energy Savings

3:00-4:00 pm

\$10 members/\$15 non-members/free for students & unemployed

Presenter: Mark Nieman, P.E., CEM, Energy Engineering Manager, McKinstry

Mark will talk about lessons learned with HVAC controls systems and how specifications affect the quality and capability of energy-efficient HVAC Systems. Topics will explore end capabilities of trending and verification, application-specific vs. programmable hardware, demand controlled ventilation lessons learned, issues with reconciling design intent vs. how a system is actually installed and energy savings potentials with controls.

Mark Nieman, P.E., CEM, has been in the local Seattle metropolitan HVAC Design and Energy Services Performance Contracting (ESPC) community for over 20 years. He is currently the Energy Engineering Manager for McKinstry's Seattle Office and is also Associate Faculty at Cascadia College, teaching in their Environmental Technical and Sustainable Practices program.

Tech Talk 2: Roofing: How a Building Owner Can Maintain the Roof and Warranty After Installation

4:05-5:05 pm

\$10 members/\$15 non-members/free for students & unemployed

Presenter: Curt Friedholdt, Building Envelope Solutions Manager, Firestone Building Products

Curt will explain the different types of low-and steep-slope roofing and metal wall panel system warranties, clarify exclusions, cover the responsibilities of the manufacturer & owner, and illustrate real life conditions that are and are not covered.

Curt Friedholdt is the Building Envelope Solutions Manager at Firestone Building Products. BES provides Specifiers with up-to-date information on all of the Firestone products and services available to

[Linda Arvesen CSI](#)

[Terry Decker CSI CDT](#)

[Konrad Hee CSI CCS](#)

[Kelly Laleman CSI-EP
CCS](#)

Spectrum is published monthly as a benefit for members of the Puget Sound Chapter CSI.

Articles must be submitted by the 15th of the month for the next month's edition. Email submissions to office@pscsci.org.

Visit www.pscsci.org to subscribe or to view current and back issues.

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Quick Pitches

There are openings for ten-minute Quick Pitches at our Chapter meetings next fall at a cost of \$180.00. Contact [Dick Owen](#) to sign up.





1101 Dexter installation with Firestone 30 year TPO and Firestone SkyScope
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ProSpec 2015



Plan to participate with peers and colleagues at Prospec 2015 on April 21, 2015. This is the premier event to see or be seen at for the Puget Sound Chapter of CSI.

Attendees will:

- Learn how to avoid potential disaster and lessons learned at the seminar presented by Mike Purdy.
- Meet with vendors and manufacturer representatives to discuss best solutions for current or future projects.
- Network with local architects and specification writers about the next big thing.
- Enjoy great food prepared by gourmet chefs at Bell Harbor International Conference Center.

- Hear from featured speaker Shinobu Homma, technical director for Bing Thom Architects.

Vendors can show and tell about their latest products, systems or services, meet that architect or specification writer they have been wanting to get to know, invite those persons of influence to share a wonderfully prepared meal, and achieve all this at a relaxed and friendly event called Prospec.

Put it in your calendars now and plan on attending. See you there.

2015-2016 Board Nominations

The 2015-2016 Puget Sound Chapter CSI board nominations were announced at the February Chapter Dinner. Ballots will be sent out electronically this year, making voting easier and more efficient.

Nominees are as follows:

President-Elect: William Littler

Vice-President: Dave Sommer

Treasurer: Chad Brickner

Secretary: Vicky Long

Director: Jenifer Lewis

Director: Patrick Kelly



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February Meeting Recap: Building Enclosure Testing

By Kelly Laleman, CSI, CCS

February's speaker was Phil Emory of Neudorfer Engineers, who has conducted many building enclosure air leakage tests. Since building enclosure testing began, there have been three changes that enabled buildings to start passing the test: 1) Architects started specifying air barrier materials, 2) Subcontractors learned to think of the building as an enclosure, and 3) Fluid-applied air barriers began taking the place of sheet barriers.

The main problem area for leakage is the roof-to-wall transition. It was suggested that a preconstruction meeting for air barriers be conducted to make subcontractors aware of this issue and determine how it will be addressed. Another problem area is overhead coiling doors, which leak badly.

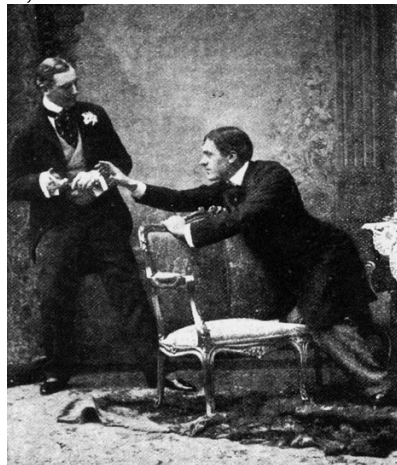
Architects need to specify what inspections are to be done on the building, and Phil noted that he does not inspect buildings. High-rise buildings can have the entire building tested at once, but the pressure must be equalized. If an owner expects tenants to move into the lower floors before the upper floors are complete, the design team may need to design multiple air barrier compartments that can be tested at different times. Other types of air leakage testing include testing of elevator shafts, underfloor air distribution, and critical care patient rooms.

The Importance of Being Earnest

Sheldon Wolfe, RA, FCSI, CCS, CCCA, CSC

A couple of months ago, in "[Your slip is showing!](#)", I mentioned that I had been specifying slip resistance for a very long time, but only recently became aware of a serious problem: Even though codes other regulations require a "slip-resistant" finish, there is no definition of what that means. I encountered a similar situation recently while reviewing the titles of the many standards cited in our specifications: I discovered that ANSI (the American National Standards Institute) produces no standards!

While looking up hardware standards, I saw reference standards with the number 115 in



The Cigarette Case; Wikimedia

virtually every hardware and hollow metal specification I found. Sometimes the 115 was preceded with an A, other times not. But it's only one letter; what's the big deal if it has an A or not?

[Read more >>](#)



About CSI

CSI is a national association of specifiers, architects, engineers, contractors, facility managers, product representatives, manufacturers, owners and others who are experts in building construction and the materials used therein. They are dedicated to improving the communication of construction information through:

- A diversified membership base of allied professionals involved in the creation and management of the built environment. Join us.
- Continuous development and transformation of standards and formats.
- Education and certification of professionals to improve project delivery processes.
- Creation of practice tools to assist users throughout the facility life-cycle. Join a CSI Practice Group.

CSI is governed by a Board of Directors, a nationally elected body that provides long-range strategic leadership. The Board is composed of nationally elected CSI officers, including the president, president-elect, two vice presidents, the secretary, and the treasurer; elected representatives (directors) from each of CSI's 10 regions; and a director at large. CSI's executive director/CEO is a corporate officer.

For more information about or to join CSI, visit www.csinet.org/joincsi, or call 800-689-2900.