



Knowledge for Creating and Sustaining the Built Environment

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April 2007

Portland Chapter - The Construction Specifications Institute

Sage Hotel/The Nines/Meier and Frank Renovation Tuesday, April 10, 2007

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The April 10th, 2007 CSI dinner presentation will be a panel discussion on renovation of the Meier and Frank building. The panel will discuss the extensive seismic upgrade and the integration of two new mechanical, electrical and fire and life safety systems into the building.

SERA is working with the Portland Development Commission and Sage Hospitality to renovate The Meier and Frank building into a mixed-use development which will include a 332 room luxury hotel with meeting rooms, a ballroom, restaurant and roof-top lounge above a five-floor retail department store.

- The panel will include -
• Dick Burnham - Hoffman Construction Co
• Blake Patsy - KPFF Engineers
• Ross Plambeck - PDC Project Manager
• John Echlin - SERA Architects
• Don Eggleston - SERA Architects PDX (moderator)



Renaissance Portland - Meier & Frank Building

The Princeton Building Ballroom
614 SW 11th Avenue
Social at 5:30 PM
Dinner and Program 6:30 PM

Cost: \$30.00 pre person with pre-paid reservations by April 5, 2007
Sponsor a table for 8 for just \$230.00
Late reservations - and walk-ins (as available): \$40.00 per person

Assure your spot for this special event!

TO REGISTER GO TO WWW.PORTLANDCSI.ORG

QUESTIONS? CONTACT JANE PHIFER 503-805-2500 or jane@portlandcsi.org

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PRESIDENT'S MESSAGE

By Doug Allen, CSI, CDT



Networking, Education, Get Out of the *Matrix*!

It's just around the corner, so get your pen out and get ready to mark your calendar for a very important opportunity.

It is nearing that time of the year when the Portland Oregon Chapter of the Construction Specifications Institute will provide a unique venue with opportunity for all members of the built environment to escape from the comforting chains of the cyber world and immerse themselves into the stimulating "real" world. Here is your chance to break away from the "Matrix" and engage in real world solutions and services that make up so much of the content we look for in the World Wide Web. I know it is convenient to search a term or phrase and have more content delivered to your desktop monitor than most anyone could read in a lifetime. We all need and rely on the electronic resources of the internet to research, evaluate, and make decisions on product selection and services for our clients.

At times we may even find ourselves attempting to interface many different materials and procedures to create the needed safer and improved communities of the age without ever seeing or handling the actual product.

However, we will not be able to completely replace physical experiences and human interaction with electronic images. When a new product or procedure becomes available in the marketplace, there is a lot that can be communicated in print and pictures. The growing popularity of streaming video is evidence alone that live interaction is so important to our understanding and interests of making informed balanced decisions. We cannot always experience the passion about a world changing product or service by simply reading about it.

These visitors are experiencing the full value of personal interaction with Jody Moore and are building one of a kind concepts



that are only available from such a live expression which only comes from touching, and seeing the item or procedure personally.

So don't miss the friendliest educational event of the year, also known as *The 33rd Annual Portland Products and Services Fair*. Mark your calendar now for May 8, 2007. The PPSF Committee, in cooperation with AGC, AIA, IFMA, and IIDA has been hard at work developing a very rewarding experience for everyone this year. Several educational programs will be offered throughout the day. Some of which are: low voltage communication and security, considered the "Nervous System of a Building," Carbon Neutral, Building Information Modeling, and Special Award Winning Keynote Speaker Jim Cutler, known for designing to fit the environment.



As you can see there is a great deal of opportunity for pleasurable interaction with colleagues, industry and professionals alike.

So spend some time away from the "Matrix" and visit the real world. You will find a multitude of people from all over the industry that are almost as passionate as Jody and will be able to help you prepare for your next landmark project.

Condolences

Our deepest sympathy goes to our Chairperson of the Certification Committee, Christine Steel. Her son Justin Thomas Steel, age 29, died March 4, 2007. He was a Graduate of Barlow High School and the University of Oregon. Justin was enrolled at St Thomas University School of Law and worked for Clackamas Aquatic Park and SAIF Corp.

Memorial service was March 13, 2007 at St Anne's Chapel, Marylhurst University. Anyone wishing to make a donation in Justin's memory may do so at any Washington Mutual Bank. Funds will be donated to North Clackamas Aquatic Park.

I am sure Christine knows that she can call on anyone in the CSI Community for friendship or assistance anytime, but especially at such a difficult moment.

WHAT DO YOU SAY? .. News and views from the Specifiers Share Group

By: Dan Donihoo, CSI, CCPR

A Reader Comments – February Article

Regarding the draft of updated PageFormat™, reader noted that you can make reversed headers in MSWord, but it is comber-some. I had intended to make just that point. It is the opinion of the Share Group members that reverse headers and footers should be optional until a click-in-dialogue-box method is available for all word processor based specifications.

Guest Article

Many thanks to Dan Donihoo CSI CCPR, former San Antonio, Texas Chapter president and product representative for submitting the following article. Work results for the following are specified in 08 45 00 – Translucent Wall and Roof Assemblies, MasterFormat™ 2004 Level 2, or 08 45 23 – Fiberglass-Sandwich-Panel Assemblies, Level 3.

Maximize Daylight and Energy Savings With Translucent Skylights and Wall Panels

The short definition for daylighting is the planned use of daylight to illuminate the interior of a structure in order to reduce artificial lighting needs. Daylighting has the potential to offset energy use in the building, thus reducing the use of fossil fuels and helping improve the negative impact on the air quality.

According to a study for Pacific Gas & Electric by Energy Design Resources, a California consultant, the average grocery store may save \$16,000 per year, or 32 cents per square foot, in energy cost through daylighting; a typical school can save \$7500 per year, or 23 cents per square foot.

Skylights and wall systems using translucent panels offers diffused lighting to provide a friendly and welcoming atmosphere, and they are compatible with most aesthetics of the building. A skylight brightens and enhances the interior of a building through natural light.

Translucent Skylights come in many combinations of shapes, sizes, glazing, framing systems and insulation details. Skylights allows three times more light than a vertical window of the same size.

Translucent fiberglass reinforced panels can be insulated or non-insulated. They provide excellent energy efficiency. When comparing the Energy Star guide rating of .35 for standard insulating glass, a translucent panel with a .24 U factor / 28 grams of insulation has a 46 percent better U factor than insulating glass.

The advantage of translucent is diffused light offers no glare and no hot spots, which provides for a comfortable environment. The light transmittance values of 28 to 75 percent is available, depending on the occupants needs.

Almost shatterproof, translucent panels are very durable and virtually unbreakable. They are also lightweight and virtually maintenance free. And, translucent systems are more economical than most glass skylight systems.

Daylighting is recognized by the U.S. Green Building Council's LEED® rating system and Green Building Initiative as a source to achieve multiple points toward LEED credits in several categories. Starting in October 2005 LEED version 2.2 has made some specification changes. Updated information is available at www.usgbc.org.

PERKY'S NOTES

By: Perky Kilbourn, PhD, CSI



Recently I attended the 24th Annual Intel Northwest Science Expo, presented by Portland State University, Vernier Software and Technology, and The Edward and Romell Ackley Foundation. Quoting from the brochure "Intel Northwest Science Expo organizes and conducts the Intel ISEF (International Science and

Engineering Fair) - affiliated science research competition yearly for Oregon and Clark County Washington students grades 5 - 12. ..." I have been a judge for the Science Fair Projects in Microbiology for more than 20 years and really enjoy interacting with the students and discussing their research. It was a fascinating day but the projects I judged had nothing to do with Specifications, Construction or Architecture though the Expo included projects in Electrical & Mechanical Engineering, Bioengineering and Energy & Transportation. My idea in reporting on this activity as a judge of science fair projects is to introduce CSI members to what I find enjoyable and hope the reader will find it interesting.

The best Science Fair Project in the High School Microbiology (which was the National Honor Society for Women in Chemistry Award winner), was titled "Inhibiting the Growth of Staphylococcus aureus with Elderberry Extract" by Jing Chen. As you can figure out from the title, Chen made several different extracts from the elderberries and discovered that two of the various extracts tested were effective in inhibiting growth of Staphylococcus aureus. Her next step (probably next year) will be to determine the active ingredient in the two extracts.

The next best Science Fair Project in High School Microbiology was entitled "The Effects of Ag Nano-Particles on the Growth of Escherichia coli in High and Low Protein Liquids" by Jeremy Carp. Carp used milk for his High Protein Liquid and water, cranberry juice and apple juice for his three Low Protein Liquids, which he tested. In talking with him about his project he agreed that he needed to do some more research to be sure that the protein in the milk was what was destroying the effectiveness of the Silver (Ag) Nano-particles and this protein is not present in the water, cranberry juice or apple juice.

Two of the other six Science Fair Projects in High School Microbiology were interesting but not outstanding. One tested for microorganisms on wrestling mats - the two male students who presented the project were obviously wrestlers and they were very interested in the results. The current plan (of the one student who is not graduating from High School this spring) is to test other wrestling mat cleaners. The other project was really in electrical engineering, where a student was using resonance to rupture the membrane of microorganisms. He had some pictures which showed that he had been successful at least once.

In addition I was one of the ISEF Judges. The winners from each category were evaluated for places in the Team Oregon High School Intel International Science and Engineering Fair Finalists and will travel to the 58th Intel International Science and Engineering Fair in Albuquerque, New Mexico. One of the top projects was "Insulin-like Growth Factor 1 Mediated Cell Proliferation via the Insulin Receptor" by Laila Wahedi. She determined the pathway used when growth was measured while cells were treated with the Growth Factor 1. This may not previously have been done by a high school student.



Hello CSI golfers and spectators

Yes you, the one looking out side hoping to see a ray of
sunshine come through your office window.
Hoping that there will soon be a day to play hooky and try out
that new club you got for Christmas.

WELL THE DAY IS COMING!!!

THURSDAY, AUGUST 9TH, 2007
AT
LEWIS RIVER GOLF COURSE

REGISTRATION STARTS AT 10:30
SHOT GUN START AT 1:00

There's the date, the time, and the beautiful place.

Space is still available for teams and sponsorship.
So give me a call, let's chat.
Are you ready to get out on that green to scream
"fore"?
Or some other chosen words.



CONTACT ERICA BITTERMAN-RYON AT
PRECISION IMAGES 360-567-2910

You can now register on line at www.portlandcsi.org

Lines are open and I'm waiting for your call ☺

ebitterman@precisionimages.com



CSI "Water" The Good, The Bad and The Ugly

CSI NORTHWEST REGION CONFERENCE August 23rd - 26th, 2007 Salem, Oregon

Capital Chapter is proud to be the host of the 2007 Northwest Region Conference, in Salem Oregon. The Committee is working hard on making it a fun event and a very educational event for all attendees. They will have educational seminars throughout the day for Friday and Saturday. Some of our topics are "Gender Communication", "Carbon Neutral", "Water & Green Building Integration", and "Dress for Success", to name just a few.

Thursday kicks off with plenty of action. Of course there will be golf tournament on Thursday out at The Salem Golf Club for all those golf enthusiasts, we would not forget you. Lunch is provided and there will be prizes for KP and LD. If you are not into golf we have an option for you, The Oregon Garden Tour and Wine tasting with lunch included as well. So depending on your taste we have something for everyone. Thursday night is our kick off reception to meet and mingle and have a nice casual time.

Friday night will be the Products Fair and wine tasting. We have 32 vender tables to fill for attendees to meet their local reps and see what wonderful and new things they have going. Tables will go fast, so don't forget to get your company signed up for a table top or "Blondie package". Now those of you who went to the Portland conference know that was a fun time for all and you won't want to miss that. After the Product Fair it is Jeopardy time, hold on to your seats and come prepared with your local, region and institute knowledge.

Saturday night is our big awards night and dinner banquet, time to recognize those that have helped make our Chapters and Region what it is. We will have some great entertainment, but that is a surprise. So make sure the NWRC is on your calendar and visit the region web site at www.csinwr.com to see updates on information. You can also visit the www.portlandcsi.org web site to register on line for the conference and sponsorship.

Return Completed registration Form & Payment to:
CSI Capital Chapter
C/O NW Region Conference Committee
P.O. Box 5116
Salem, Oregon 97304
Ph: 503-805-2500 Fax: 503- 587-0337

Conference will be held at the Salem Conference Center
Phoenix Grand Hotel
200 Commercial Street SE, Salem, Oregon 97301
Direct: 1-877-540-7800 or 1-866-614-1900
www.phoenixgrandhotel.com / www.salemconferencecenter.org
Group/convention: CSI

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NORTHWEST REGION CHAPTER MEETINGS

Cook Inlet, Anchorage, AK (Third Tuesday)

Dan Graham, CSI, CDT.....907-261-9203

Puget Sound, Seattle, WA (Second Tuesday)

Dave Walter, CSI.....425-774-7704

Mt. Rainier, Tacoma, WA (First Thursday)

Jeff Herrmann, CSI,CDT.....253-756-8191

Spokane, WA (Second Thursday)

Jim Devaney, CSI..... 509- 953-1719

Portland, OR (Second Tuesday)

Jane Phifer, CSI.....503-805-2500

Capital, Salem, OR (Third Thursday)

Chris Veit, CSI, CCS.....503-390-0291

Willamette Valley, Eugene, OR (Last Thursday)

Doug Mullican, CSI, CCCA.....541-687-9451

Idaho, Boise, ID (First Tuesday)

Steven Turney, CSI, CDT.....208-345-8872

Big Sky, MT

Jan O'Brien, CSI.....406-245-6363

April 2007

Sun	Mon	Tue	Wed	Thu	Fri	Sat
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30					

- 4/3 CSI Board Meeting, *Noon, AIA Office*
4/10 CSI Chapter Meeting - The Nines, Princeton Ballroom
 4/12 CSI Specifiers Share Group Meeting, *Noon, ZGF*
 4/23 CSI Membership meeting, *Noon*
 4/24 Program Meeting, *7:30 am, Nancy's Kitchen—16th & Glisan*
 4/26 CSI Specifiers Share Group Meeting, *Noon, ZGF*

May 2007

Sun	Mon	Tue	Wed	Thu	Fri	Sat
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

- 5/1 CSI Board Meeting, *Noon, AIA Office*
5/8 CSI Portland Products & Services Fair
 5/10 CSI Specifiers Share Group Meeting, *Noon, ZGF*
 5/14 CSI Membership meeting, *Noon*
 5/22 Program Meeting, *7:30 am, Nancy's Kitchen—16th & Glisan*
 5/24 CSI Specifiers Share Group Meeting, *Noon, ZGF*

June 2007

Sun	Mon	Tue	Wed	Thu	Fri	Sat
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30

- 6/5 CSI Board Meeting, *Noon, AIA Office*
 6/14 CSI Specifiers Share Group Meeting, *Noon, ZGF*
6/12 CSI Chapter Meeting - Tour & Awards Program
 6/18 Membership meeting, *Macadam bar & grill, Noon*
 6/20 Program Meeting, *7:30 am, Nancy's Kitchen—16th & Glisan*
 6/28 CSI Specifiers Share Group Meeting, *Noon, ZGF*

Deadlines!

- Portland Products and Services Fair “Peaceful Coexistence”
 May 8, 2007. Booth spaces are filling fast!
 Reserve soon for your favorite spot.
 For easy online booth registration here is a link http://www.portlandcsi.org/products_fair.html
- CSI Show & Convention
 early discount registration ends May 1, 2007
- June 19, 2007 exams in Baltimore; early registration ends March 21, 2007, registration closes April 20, 2007.