



Knowledge for Creating
and Sustaining
the Built Environment

The Predicator

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Portland, Oregon Chapter — The Construction Specifications Institute

It's Hot in Hillsboro!

Celebrating Opportunity in a Growing City

Tuesday, December 14, 2004

Hillsboro, Oregon is cooking with new retail, municipal and medical projects that are creating huge opportunities for the design and construction firms in the Portland metropolitan area. This evening we are putting the players together to give you a look at the City's master plan, the projects that are being designed and built, and the people who are making it all happen!

Jake's Grill is preparing a 'strolling buffet' with regional food stations located around the room. Fill your plate with flavorful dishes from the *Spanish Table*, the *Indian Platter* and, returning by popular demand, the *Asian Grill*. Moving around the room for each course, you will mix and mingle for the entire dinner.

Marion Hemphill, City of Hillsboro Director of Capital Planning and Development and **Larry Pederson, Director of Economic Development** will share the vision that is driving Hillsboro's expansion beyond the 'northwest silicon valley' into a unique and thriving city. **Specht Development**, with **LRS Architects** and **Skanska USA**, will be presenting our featured municipal project - the **Civic Center** that has helped spur the development community.

All evening you will have a rare opportunity to visit with the Architect-Constructor teams who have Hillsboro projects in design and construction at displays throughout the room. Joining us will be representatives of Architects **Ankrom Moisan, Clark Kjos, Mahlum** and **SRG** with Contractors **Andersen, SD Deacon, Lease Crutcher Lewis** and **Robinson**.

Reserve now and be there for what will be the marketing event of the year!

The Princeton Building Ballroom 614 SW 11th Avenue
Meet Your Colleagues No-Host Bar Opens at 5:30

Cost: \$35.00 per person with Pre-paid Reservations by December 10, 2004

Sponsor a Table for 8 for just \$ 260.00

Assure your spot for this special event! See enclosed Event Reservation.

Late reservations-- and walk-ins (as available): \$ 45.00 per person.

Toy & Joy Makers! Bring an unwrapped child's gift for our annual drive to put smiles on young faces. *See details on Page 2.*

1 LU will be available, sign up at the registration desk.

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PRESIDENT'S MESSAGE

By Cherie McNabb, CSI, CDT



Is it almost the Winter Holiday season? Oh my.... I wish you the best!

We have a great event planned for you in December. The program committee has once again out done themselves.

We will be featuring the city of Hillsboro and the Hot projects that are occurring there, hence the theme of "It's Hot in Hillsboro".

We have invited Marion Hemphill and Larry Pederson with the City of Hillsboro to be our featured guest speakers.

This evening will give the architects, contractors and developers working on the properties in Hillsboro opportunities to show off the special features of each individual project. Each group will also be giving a brief description of their project.

We also started a tradition last year with the Toy and Joy Makers of Oregon. We will be working on a toy drive during this meeting and need you to bring an unwrapped gift with you. A group of firefighters will be coming to the meeting to pick up the unwrapped gifts. If you are not able to make it to the meeting but would still like to donate an unwrapped gift we will be having a drop site at two locations:

~ **Ford Graphics – Kaye Kloster**
401 NW 14th Avenue, PDX, OR 97209 For a toy to be picked up call Kaye at 503-227-3424.

~ **Precision Images – Erica Bitterman**
900 SE Sandy Blvd., PDX, OR 97214
or 1002 Main Street, Vancouver, WA 98665
For a toy to be picked up call Erica at 360-567-2910

Both of these Team members have graciously offered to be the drop site for the gifts and they have also volunteered to pick up gifts at your offices if you cannot get to one of these locations. Give either one a call if you need assistance.

Let's work on getting together a large donation this year. We would like to at least double what he brought in last year. We appreciate all of your generosity this holiday season.

We will also be having a raffle for a \$200.00 gift certificate to Circuit City at the dinner meeting. All the money that we raise on this raffle will be donated to the Toy and Joy Makers.

Remember the dinner plus program is Tuesday, December 14th at the Princeton Building Ballroom at 614 SW 11th Avenue in Portland, OR.

The Social hour begins at 5:30pm - We will have an extended bar throughout the evening and the food will be placed at stations throughout the room. This will give you the opportunity to roam around the room and see all of the architectural boards that will be on display.

Please come and join in on the festive atmosphere and the interesting topic that will be discussed. See you then. Remember to RSVP Jane Phifer 503-805-2500 or email jane@portlandcsi.org.

We also have our new website up and running. Please check it out. www.portlandcsi.org If you have any corrections or an opinion on anything please let Jane Phifer at jane@portlandcsi.org or Cherie McNabb at cheriemcnabb@comcast.net know of your concerns. We are definitely in to solutions so giving a concern is wonderful but, please try to have some sort of solution to your concern.

Thanks.

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

By: Dave Shelman, CSI, CCS



Bye, Bye UBC.

The International Building Code is here! Finally! On October 1, the State of Oregon Building Codes Division (BCD) officially adopted the 2003 International Building Code (IBC), 5th printing, to be the code that governs non-residential building construction throughout the state. This 2003 IBC, with Oregon amendments,

is titled the 2004 Oregon Structural Specialty Code (2004 OSSC). It replaces the 1998 OSSC, which was based on the 1997 Uniform Building Code. Several other related codes were adopted on October 1. See adoption schedule below.

The BCD has asked that local jurisdictions adopt the new codes as soon as possible. They have also required all building departments to allow a phase-in period for building officials and other parties to construction to adjust to the change. This is how the phase-in period is intended to work:

- Plans received prior to January 1, 2005 will be reviewed under the 1998 OSSC unless they have been designed to the 2004 OSSC
- Plans received after January 1, 2005 will be reviewed under the 2004 OSSC
- Appeals for extension of this schedule may be made for large projects. A written request is required.
- Projects approved prior to January 1, 2005 will be inspected under the 1998 OSSC unless they were designed to the 2004 OSSC
- All projects approved after January 1, 2005 will be inspected under the 2004 OSSC
- “Mixing” requirements from both codes will not be allowed
- Exception to phase-in schedule:
Until March 31, 2005 townhouses and rowhouses will be governed by the 1998 OSSC

Code Adoption Schedule (current and projected):

October 1, 1998:

- 1998 OSSC

April 1, 2000:

- Oregon Plumbing Specialty Code (OPSC)

October 1, 2002:

- Oregon Electrical Specialty Code

April 1, 2003

- One & Two-Family Dwelling Specialty Code (based on International Residential Code)

October 1, 2004:

- 2004 OSSC
- 2003 Oregon Mechanical Specialty Code (OMSC)
- International Fire Code

April 1, 2005:

- New One & Two-Family Dwelling Code based on the 2003 International Residential Code
- New Oregon Electrical Specialty Code, based on the 2005 National Electrical Code
- New Oregon Plumbing Specialty Code based on the 2003 Uniform Plumbing Code

The State of Washington made most of the above adoptions in July of this year. The Oregon BCD intends to resume a 3-year adoptions cycle on the OSSC.

The above codes are available through the Oregon Building Officials Association (OBOA) (503-873-1157) or Building Technical Bookstore (1-800-ASK-BOOK).

The OBOA has and will continue to sponsor classes on the use of the new codes. For code information, go to www.cbs.state.or.us/bcd/codeprograms.

There are usually two SSG meetings each month, on the 2nd and 4th Thursdays. Announcements are sent out to Share Group attendees approximately a week ahead of each meeting. If you do not currently receive the announcement and wish to, send an e-mail message to either Isaac Tevet (itevet@ffadesign.com) or Fred Herbold (fherbold@sera.com).

PERKY'S NOTES

By: Perky Kilbourn, CSI



There are lots of news items that affect the construction industry. Here is a discussion of a few articles on climate change which I found of interest.

Gerald A. Meehl and Claudia Tebaldi with the National Center for Atmospheric Research in Boulder, Colorado

published an article "More Intense, More Frequent, and Longer Lasting Heat Waves in the 21st Century" in the August 13, 2004 issue of SCIENCE. SCIENCE is published by the American Association for the Advancement of Science. Meehl and Tebaldi examined future behavior of heat waves in a global coupled climate model, the Parallel Climate Model (PCM). PCM has a latitude-longitude resolution of about 2.8 degrees in the atmosphere and a latitude-longitude resolution of less than 1 degree in the ocean. PCM contains interacting components of atmosphere, ocean, land surface and sea ice. Quoting from their article

"Thus areas already experiencing strong heat waves (e.g. southwest, midwest, and southeast United States and the Mediterranean region) could experience even more intense heat waves in the future. But other areas (e.g. northwest United States, France, Germany, and the Balkans) could see increases of heat wave intensity that could have more serious impacts because these areas are not currently as well adapted to heat waves."

A Workshop on Climate Sensitivity of the Intergovernmental Panel on Climate Change Working Group 1, was held July 26 to 29, 2004, in Paris. Richard Kerr wrote a report on this workshop which was published in the August 13, 2004 issue of SCIENCE. The conclusion seemed to be that the world has warmed by 0.6 degrees C during the past century. Burning fossil fuels to produce the greenhouse gas carbon dioxide has caused most of the warming. The conclusion seemed to be that 3 degrees C as the most likely amount of warming for a doubling of carbon dioxide. This is based on:

1. a collection of expert-designed independent models,
2. a thoroughly varied single model
3. paleoclimates over a range of time scales.

Quoting the concluding sentence ***"Support for such a strong sensitivity ups the odds that the warming at the end of this century will be dangerous for flora, fauna, and humankind."***

Almost two years ago, in SCIENCE in a February 14, 2003 article entitled "Study Shows Richer Harvests Owe Much to Climate" by Erik Stokstad, it was noted that climate change did effect plant food supply. Scientist have know for many years that the temperature of the earth has not been constant and that animals have changed with changing temperatures. For example in an article in the November 24, 1967 issue of SCIENCE entitled "Antarctic Radiolaria, Magnetic Reversals, and Climatic Change" by James D. Hays and Neil D. Opdyke there is a discussion changes of radiolaria (diatoms/plankton) in ice in Antarctica which ice is about 3.5 million years old. I kept this article for another reason but this article does discuss the fact that the variations of the diatoms/plankton found in the ice cores which were taken does correspond to what is known of the temperature changes in the world at that time.

ED LOY CARTOON

MEMBER NEWS



Denise Carpenter, CSI
T&A Supply Company
6032 N Cutter Circle #400
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Happy Holidays,
Welcome to Denise Carpenter's
mini autobiography. Born and
raised in Richmond California,

Friday, December 13th 1957 year of the Rooster. Sagittarius is such a good sign, and who ever said Friday the 13th was unlucky anyway? Some of you may know me as Lucille Ball, Elvis Presley, Bride of Frankenstein, Carmen Miranda, Annie Oakley, or even a Viking!

I moved to the great northwest Woodland, Washington in 1979. I'm sure that's why Mt. St. Helens started to rumble. I love to play soccer, ski, fish, hike, snowboarding - all the fun stuff. One of my pride and joys is my 18 year old son, Paul, who is currently attending Clark Community College in Vancouver, Washington.

I entered into the construction industry in 1986 working for a major floor covering distributor. I have been specifying floor covering products to the architectural and design community for the last 8 of those 18 years.

I am employed by T&A Supply Company covering Oregon, SW Washington, & Idaho. We represent many major floor covering manufacturers including a wide variety of installation products. T&A Supply Company operates 12 branches within 5 states in the Northwest including Alaska.

I have been a member of CSI since 1997, thanks to our mighty leader Cherie McNabb who invited me to my first meeting.

Being a CSI member and participating on the Board of Directors has added a wonderful dimension to my life. It has greatly expanded my knowledge of what's happening in our industry and keeps me aware of current issues. However, most meaningful to me are the relationships and friends that will always be a part of my life and memories.

I would like to say thank you to all my friends at CSI.



Hello CSI Portland Oregon! Doug Allen and family are pictured here from sunny Bend, Oregon. Atop Pilot Butte, the view is endless; similar to the opportunities for those who are members of, and participate in CSI. The potential to go far is great and close friendly relationships are abundant in this great organization.

We live in La Center, Washington with quite a list of pets, including two rather round American Quarter Horse geldings. The job keeps me pretty busy so the horses get to eat more than I can exercise them. I wonder if there is an equine weight loss patch. We like to camp with the horses and trail ride mostly, but sorting cows is another event we have found to be exciting and more challenging. I like photography and most recently learning to fly fish, which is also very channeling for me.

I've been involved in the door and hardware industry for about 25 years. My employer, ESSEX Industries, a national sales and marketing group has kept me pretty busy for the past five plus years as an Architectural Representative and Specifications Consultant in Washington, Oregon and Northern California. It is very rewarding to assist design professionals, contractors, and building owners with the dos and don'ts of the door and hardware industry.

I joined CSI in 1999, shortly after starting to work for ESSEX Industries. I visited the CSI website, found Mr. Kilbourn, the Portland chapter's Membership Chairman. It was a little intimidating contacting ZGF right off the get go. However, my fear was unfounded. Lee was very friendly, asked me to come into the office and update ZGF's library. He got to know me a bit and signed me up with CSI. I wish I had done it sooner.

I have been involved with several of the chapter committees, am currently on the Board of Directors, and best of all, made a lot of great friends and mentors that have helped me along the way.

For opportunity and friendly relationships, get involved in CSI.

Happy Holidays,
5 Doug Allen, Secretary

CSI OCTOBER MEETING RECAP

By: Jon Grasle, CSI

Creative Design, Creative Collaboration, Creative Construction ... all were required to successfully complete the new Seattle Central Library. The library was designed by award-winning Dutch Architect, Rem Koolhaas' Office of Metropolitan Architecture (OMA) in a joint venture with LMN Architects, Seattle. Hoffman Construction Company of Washington was the General Contractor/Construction Manager.

Hoffman's Dale Stenning (Sr. Project Engineer) and Doug Winn (Project Executive), both construction veterans of Seattle's other awe-inspiring structure, the Experience Music Project, provided a mesmerizing multimedia presentation documenting the creative processes and the finished product.

When Seattle voters approved funding for the library in 1998 it is unlikely they had any idea what a distinctive, magnificent, community building this would be.

The eleven story, 427,000-sf structure was built from five platforms, each platform representing a basic library function. Instead of being stacked directly on top of one another, the platforms were repositioned off center. This provided better views, created airy spaces, and allowed more natural light into the building. Public spaces are located on the tops of each platform. Surrounding the platforms is a "blanket" of aluminum and glass curtain wall. The curtain wall is made up of approximately 10,000 diamond shaped glass panels. The façade is translucent, allowing the structure of the building to be expressed to the interior.

Level 1, which is at street level along 4th Avenue includes the 80,000 book Children's Library, 425 seat Auditorium, and a section devoted to World Languages (ESL) with art floor by artist Ann Hamilton. Level 2 is devoted to staff use; shipping receiving, book sorting, and technical services. Level 3, the "Living Room" is accessed off 5th Avenue and is a large open space for the public to meet. Level 4 is the Meeting floor, with multi-purpose rooms, of various sizes, connected with free-flowing red corridors. Level 5 is the "Mixing Chamber", a concentrated place for research via 132 publicly accessible computers and also the headquarters for the reference librarians. The "Books Spiral" comprises Levels 6 through 9 containing the stacks and

Level 10, which houses the 12,000-sf, 400 seat Reading Room. The books spiral allows continuous movement between floors without the need for stairs or elevators and allows for maximum flexibility as the collection changes over time. Level 11 is "Headquarters" housing administrative offices, Board Room, Human Resources and staff lunch room.

Challenges associated with the project's revolutionary design included the uniquely cantilevered floors, the ambitious material tolerances, and the desired reduction in the number of columns or "interventions." The cantilevered floors necessitated an extensive temporary steel support system, requiring over 320 tons of steel and affecting many trades. Hoffman hired MKA Engineers to assist with the design of the temporary support system and provided the steel bidders with a video to better visualize the intended approach. The interface between steel and curtain wall was extremely ambitious, i.e., +/- 3mm. It was achieved with extensive computer modeling and 3D digital survey scanners. Sloping or "raking" columns were utilized throughout the structure to minimize the number of columns and optimize program space. In essence, the sloped columns followed a "connect the dots" approach.

The library opened to rave reviews on May 23, 2004. There were more than 25,000 visitors on opening day. The library is now open 7 days a week and easily accommodates its 8,000 daily visitors. It's a high technology, user-friendly building featuring comprehensive services and meeting spaces for the community and as Rem Koolhaas noted ... "The building is obscenely beautiful."



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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)
Andrew Estep, CSI.....206-382-3393
- Mt. Rainier, Tacoma, WA** (First Thursday)
Jerry Litwin, CSI, CCCA.....253-584-5207
- Spokane, WA** (Second Thursday)
Eric Rieckers, CSI..... (509) 535-0301
- Portland, OR** (Second Tuesday)
Jane Phifer, CSI.....503-805-2500
- Capital, Salem, OR** (Third Thursday)
LaVone Clausen, CSI.....503-371-2070
- Willamette Valley, Eugene, OR** (Last Thursday)
Rodd Hansen.....541-687-9600
- Idaho, Boise, ID** (First Tuesday)
Jon Farren, PE, CSI, CDT.....208-429-1307

December 2004

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	

- 12/7 CSI Board Meeting
- 12/9 CSI Specifiers Share Group Meeting
- 12/14 CSI Membership Meeting, Billy Reeds
- 12/14 **CSI Chapter Meeting, What's Hot in Hillsboro!**
Meet and mix with the planners and designers making it happen in Hillsboro.
- 12/23 CSI Specifiers Share Group Meeting
- 12/28 CSI Program Committee, 7AM, Cadillac Cafe

**Mark your Calendars!!!
The 2005 Portland Products
& Services Fair**

**May 10, 2005
Oregon Convention Center**

January 2005

Sun Mon Tue Wed Thu Fri Sat

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9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31					

- 1/4 CSI Board Meeting
- 1/11 CSI Membership Meeting, Billy Reeds
- 1/11 **CSI Chapter Meeting, Joint with ASPE**
Annual Economic Forecast with John Mitchell
- 1/13 CSI Specifiers Share Group Meeting
- 1/27 CSI Specifiers Share Group Meeting

**Mark your Calendars!!!
Region Conference**

**Aug 25—27, 2005
Spokane WA - Doubletree**



Portland Chapter CSI
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