



Knowledge for Creating
and Sustaining
the Built Environment



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Portland Chapter - The Construction Specifications Institute

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RECYCLE to FULL-CYCLE

TUESDAY, October 14, 2008

*How stronger regulations and new design incentives
should affect your business strategy*

Portland is again leading the way for keeping waste out of the stream. Stronger local programs are coming on line to increase reuse and recycling of materials and decrease carbon emissions. Sustainable design and construction is being pushed forward with both top-down government regulation and bottom-up consumer demand for energy efficiency and a healthy environment.

On October 14 join Portland CSI when our panel presents current and upcoming initiatives will affect your business.

Mike O'Brien, City of Portland Office of Sustainable Development

OSD is increasing the project recycling requirement to 75%
The New High Performance Green Building Policy and carbon incentives

Bryce Jacobson, METRO

Metro's changing Recycling Programs and the interactive Toolkit
LEED 2.2: Tips for getting the Recycling point!

Jim Edwards, Ecologistics

EcoMethod helps developers identify "real costs"
Strategies to reduce carbon emissions during construction

Join us with your questions and comments and participate in a lively interchange about one of the most dynamic trends affecting our industry!

Governor Hotel Princeton Ballroom 1066 614 SW 11th Avenue
\$40.00 per person 1066 Sponsor a table for 8 for just \$310.00
5:30 PM Meet Your Colleagues 1066 6:30 Dinner, Catered by Jake's

Register at www.portlandcsi.org
Questions: Jane Phifer, 503-805-2500, jane@portlandcsi.org

Welcome to CSI: NEW MEMBER ORIENTATION 5:00 PM

CSI is an international organization with opportunities for personal and professional growth. New members will meet Portland leaders, learn about the programs we have in place and select a committee to maximize the benefits of being a part of our industry's most diverse and inclusive professional group. **RSVP to Jane Phifer if you plan to attend this orientation.**

PRESIDENT'S MESSAGE

By: Russ Pitkin, CSI, AIA



I have been listening to the membership and looking at different areas of the chapter to see how they serve our membership. Do you remember when I naively wrote in the president-elect letter that as president, I will work on a number of areas where we can improve the vitality of our chapter to return it to a stronger healthier level all enjoyed a few decades earlier? Continuing with the promise to improve communication and change to improve chapter vitality, I want to tell you about the next area of the chapter to keep an eye on for change.

For several consecutive decades, the Portland Products and Services Fair and now Conference (PPSC), as of this last year, has been losing attendance at the show portion of the Conference. When the show attendance drops off so does the exhibitor support and therefore our largest annual fund-raiser loses revenue. In fact, so much so, that net income from the most recent PPSC is down over 50 percent from our better conference years. Our yearly chapter budget simply cannot sustain the chapter when revenue down turns of this proportion occur in consecutive years and indicates a trend that will continue, unless we take measures to identify and adjust to the trends in a manner

that will produce results to alleviate the budgetary concerns. This does appear to be a trend nationally.

After our last Board of Directors meeting I convened a meeting to look at this issue. The participants included the current board of directors, past presidents, and a cross section of chapter members. At the conclusion of the meeting we identified some options to explore and appointed a committee chair, Cherie McNabb. I thank you Cherie for volunteering to be chair of this committee and taking on the responsibilities for this very important committee for our chapter.

Cherie and her team's task will be to identify options for changing the PPSC in a way that will return the conference to some reasonable facsimile that will gain the exposure necessary for the product representatives to continue to support the chapter's services to its membership.

I know there are others of you in our membership who would like to voice your opinions and have suggestions for improving our largest annual fund-raiser. Even if you don't have suggestions it is extremely useful to have sounding boards who can indicate whether or not ideas are tracking in a direction that would be productive or successful. It's your chapter and the future of the chapter depends on the revenue made from our fund-raisers, especially this one, our largest. We are looking into transitioning into a couple of areas, one with better exposure potential for our exhibitors who have been so faithful in supporting this chapter through the years.

Another area to explore would include an educational venue. Education is what CSI is supposed to be all about so this should be a natural and our PPSC has traditionally done very well in this area. There are a couple of reasons the educational component has done very well while the show portion has not. First, the products and services show subsidized the educational component to act as a draw to the show. It succeeded as a draw because as attendance for both seminars and Keynote speaker have been good, they have proven not necessarily to be a draw for the show. Second is timing of the conference, with the OBAE continuing education requirement for the architectural license renewal due June/July and the PPSC occurring in May, many who had not fulfilled their requirement took this opportunity to do so.

Through time subtle and sometimes not so subtle changes occur creating a new set of conditions to which we must adjust. The educational venue if separated from the show's subsidies and priced as necessary to cover operational costs may not be as much of a bargain for architects and engineers to get their continuing education credits and popularity may wane. Also, now that the OBAE is changing to a two year registration with half of the registrants registering one year and half the following year, the number of architects interested in continuing education just before renewal could potentially be reduced to half of the number who typically attends.

This demonstrates the complexity of the task at hand and it is underscored by the chapter's financial needs that will require whatever venues are decided upon to be financially successful. It will take the whole chapter's support to make these transitions to an economically healthier chapter and one that supports the needs of its membership.

Whatever you can do to help and support Cherie's team and your chapter in identifying options for changing and transitioning the PPSC into a successful fundraiser for continuing the chapter's services to its membership would be greatly appreciated by everyone in the chapter.

PERKY'S NOTES

By: Perky Kilbourn, CSI



Note #1 Signs - There are three signs that I think about and connect with Portland.

First is the White Stag sign on the White Stag building. I learned at the meeting on September 9, 2008, that the name "White Stag" was a direct translation of the last names of the two German gentlemen who formed the company originally. I also learned that the sign was owned separately from the building so when U of Oregon purchased the building they could not purchase the sign. It was not for sale.

Second is the Waddle's sign that used to be on a Belluschi building. This is a quote from page 178 of Pietro Belluschi Modern American Architect" by Meredith L. Clausen:

Though high design was clearly Belluschi's main interest, he was not above taking on the ordinary. The Waddle's Coffee Shop was another Belluschi building that surely Venturi would have liked had he known it. Motels, coffee shops, and highway restaurants were increasingly popular in the affluent postwar era, as more American families now equipped with cars took to the road and the tourist industry grew, especially in Oregon. Catering to the average American family with its milk shakes and hamburgers, Waddle's was a drive-in restaurant located just outside Portland on the main highway at the approach to the interstate bridge crossing the Columbia River . . .

Waddle's Restaurant is also referenced on page 61 of "One Woman's Unique Architectural Journey - The Life and Times of Mary Alice Hutchins, FCSI, FAIA" by J. P. Kilbourn and Friends in CSI and AIA.

Waddle's Restaurant is located just inside the Portland city limits, off what is now an Interstate highway. This place is somewhat of a landmark, as it is near the state line between Oregon and Washington., There were additional requirements in the specifications to assure the quality of work despite the distractions of the major thoroughfare.

Third is the Jantzen's Red Diving Girl which was on a billboard next to the Jantzen building at 411 N.E. 19th Avenue I was growing up in Portland. Some detective work was required to determine the history of the billboard. Please note it is referenced in the last paragraph of information I am quoting below. This information was generously provided by Carol Alhadeff of Jantzen, Inc.

John Zehntbauer, his brothers Roy and Carl Jantzen founded Jantzen's predecessor, the Portland Knitting Company, in 1910. The first bathing suits evolved from a wool rowing suit made especially for a member of the Portland Rowing Club. Other members, hearing how the wool suit provided both elasticity and warmth in the damp Oregon winter, ordered them as well.

Carl Jantzen had developed the use of the rib-knit stitch in the suit. He and his partners, seeing the potential market for bathing suits, started this new line in 1915. As Jantzen's name had become synonymous with the product, in 1918 the firm name was changed to Jantzen Knitting Mills. . . .

The promotion minded Jantzen management made a campaign of emphasizing the Diving Girl. First, a fourteen inch cloth replica was sewn on the front of the swimsuits in the early '20s, only to be followed by the use of a smaller two-inch version sewn on the left hip of Jantzen suits. The Diving Girl was added to the label in the neck of each suit and was used on stationery, company forms, advertising pieces, billboards, streetcar ads, and any other spot where the logo would be noticed.

WHAT DO YOU SAY.....

By: Fred Herbold, CSI, CCS

STEEP SLOPE ROOFING

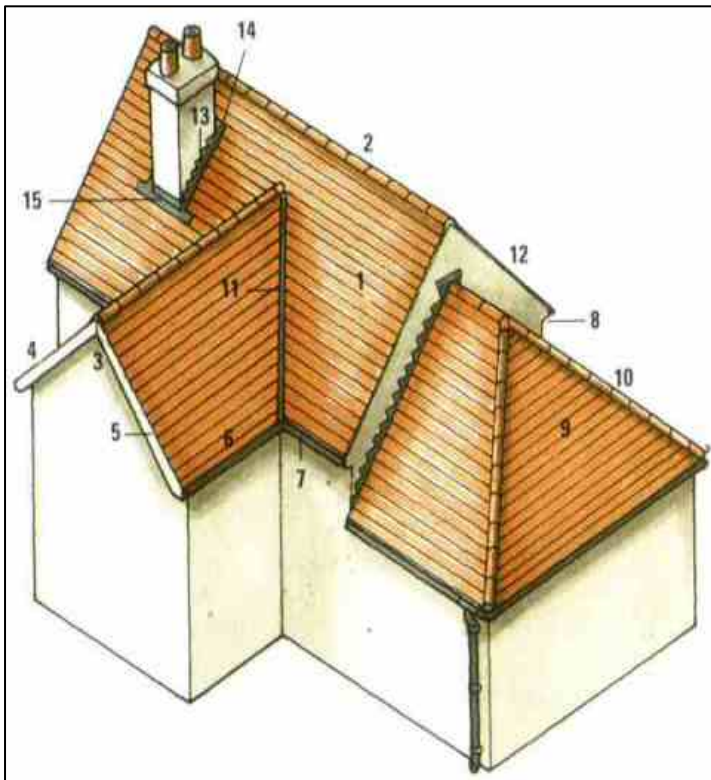
A Review of Current Products &
Introduction to Polymer Roof Tiles

Our first meeting in September featured this month's topic. It was presented by Frank Saldana of EcoStar Division of Carlisle SynTec, and was sponsored by Christine Irwin, CSI CDT, of Weller Associates, Inc. of Oregon.

Although the SSG presentation included many interesting facts and graphics about historic and traditional steep slope roofing methods and materials, this article will focus on information pertinent to current construction practice in the Northwest – products we normally specify.

First a quick review of steep slope roofing terms, then three considerations for roof durability, then comparing products, and finally facts about polymer tiles, a relative newcomer.

Steep Slope Roof: Slopes from 3:12 up to and over 12:12.



Step Slope Terms:

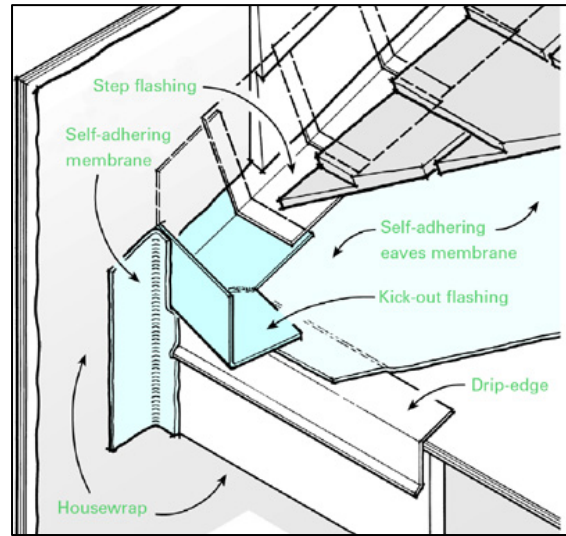
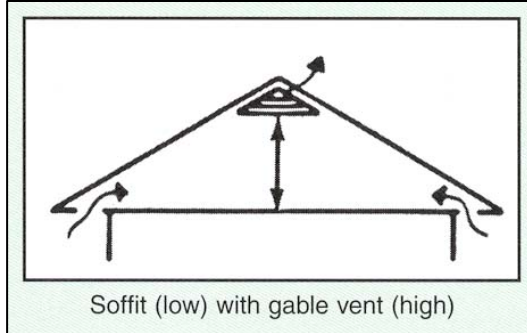
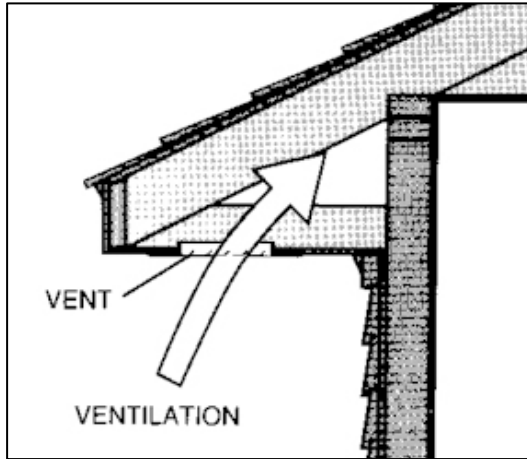
1. Roof covering (e.g., slate)
2. Ridge tile
3. Gable
4. Projecting verge
5. Barge board
6. Eaves
7. Fascia
8. Soffit
9. Hipped end
10. Hip tile
11. Valley
12. Flush verge
13. Stepped lead flashing
14. Back gutter
15. Apron

Note: A “back gutter” behind the chimney above is not recommended; a cricket is better.

Three Criteria to Optimize Roof Life: Good Drainage, Flashing, and Ventilation.

Drainage: Steep slope roofing is designed to shed water, so good drainage is essential. The steeper the slope, the better it will drain, and the longer the roofing will last. Always install crickets behind any penetration wider than 24 inches.

Flashing: Use flashing recommended in SMACNA and NRCA manuals. Flash roof edges, transitions and penetrations. Adjacent walls need base and counter flashing. Divert water away from walls at roof edges. Replace step flashing and aprons when reroofing.



Ventilation: Provide proper ventilation and avoid short circuiting.

Good ventilation and adequate thermal insulation can prevent condensation, wood rot, and mold growth.

Good ventilation and adequate thermal insulation in cold climates can prevent ice dams and icicles.

Sheet Metal Roofing: Standing seam panels, ribbed panels, and shingles can be formed from sheet metal. Materials available

include color coated steel or aluminum, galvanized or aluminum-zinc coated steel, stainless steel, zinc, copper, terne (alloy of lead and tin), and terne coated stainless steel.

Advantages of Sheet Metal: Low maintenance, impact and wind resistance, light weight, durable - 20 to 50 years.

Disadvantages of Sheet Metal: Can be very high cost; high energy and resource depletion, commercial appearance.

Wood Shakes and Shingles: Shakes are split or sawn into medium and heavy thicknesses. Shingles are sawn. Only straight butt shingles should be used on roofs, and No. 2 is the least quality recommended for all but utility buildings. Without treatment, wood shakes and shingles are combustible and should not be used in fire hazard areas. However, they are available with fire retardant treatment by pressure in Class C, B and A. Treatment renders them non-recyclable.

Western Red Cedar is ideally suited for wood shakes and shingles. It is inherently rot resistant. Go to the Cedar Bureau for more information: <http://www.cedarbureau.org/index.htm> . Consider specifying products certified by the Bureau. This is a regional product.

Disadvantages of Wood Shakes and Shingles: Require proper maintenance for durability; Rot and moss can be a problem; Must be treated for fire resistance; Susceptible to wind driven fire and are banned in some areas.

Asphalt Shingles: Asphalt shingles are economical and versatile, which may be why they represent more than 80 percent of the (residential?) roofing market. Shingles made with fiberglass mat should be specified. They are available with Class C or Class A fire rating. Some are designed and can be installed to resist high winds. They are the most economical roofing, but cost increases for improved qualities like fire resistance, wind resistance, laminated construction, algae resistance and longevity.

Disadvantages of Asphalt Shingles: Warranties reflect roofing life, 15 to 30 years, not easy to recycle.

Slate Shingles: Slate is a weather proof stone and has been used for roofing for centuries. Some installations are centuries old. There is a wide choice in colors of slate, which is usually some shade or combination of gray, green, purple, black and red.

The thickness of the slate sheet varies according to the purpose for which it's being used. The manufacturers of roofing slates can make them to meet the demands of roofers, contractors, suppliers and home owners

A "Standard" slate roof is composed of slate approximately 3/16" thick. The pieces are of one uniform standard length and width and are cut with a square tail (or butt) which is then laid to uniform horizontal lines. The color of Slate is determined by the chemical and mineralogical composition of the stone being quarried. Since these factors differ in various localities, it is possible to obtain slate roofing material in a variety of colors and shades. Slate is quarried in United States in VT, NY, PA and VA.

Disadvantages of Slate: Weight – the heaviest roofing, expensive – the most expensive material and requires highest skill level to install, not a regional product.

Clay Tiles: Traditional material in many styles, especially western US. Clay tiles are available in a variety of types and colors. Clay tile roofs require little maintenance, last a long time, are fire resistant, and are not affected by rot or insects. There is a clay tile manufacturer in southern California.

Disadvantages of Clay Tiles: Weight – they are heavy, cost is relatively high and they are more difficult to install, porous – susceptible to freeze/thaw damage.

Concrete Tiles: Are similar to clay tiles with similar advantages and disadvantages. Concrete tiles are less expensive than clay tiles. Although they had problems when first introduced, stay with well established manufacturers for reliable product.

Polymer Tiles (shingles): There are several manufacturers of synthetic roof tiles in the United States. They produce products that imitate slate or wood shakes, and are installed as individual shingles. As competition and popularity develops more colors, sizes and variations will be available. Most manufacturers provide either a Class C or Class A fire resistive product, and up to Class 4 impact resistance.

Using the EcoStar product as an example, they are made from EPDM and TPO with up to 80% recycled content. They are made without solvents, no off-gassing. They are themselves recyclable into new tiles. Installation instructions, fastener location and alignment guides are molded on each tile. Yes they are easy to install. They are the lightest weight roofing after sheet metal and are relatively economical. Polymer tiles are made with through product color and they are UV stable. 50 year and 100 MPH warranty is available. Product has been approved by model codes including IBC, IRC and Dade County.

Product	Weight per Square
Architectural Sheet Metal	50 lbs.
Polymer Tiles	230 lbs.
Asphalt Shingles	250 lbs.
Wood Shingles/Shakes	440 lbs.
Clay Tiles	600 lbs.
Concrete Tiles	1000 lbs.
Slate	2000 lbs.

Above is a weight comparison of various roof surfacing. Thanks to EcoStar and Frank Saldana.

MY EXPERIENCE IN ATTENDING THE NATIONAL CSI CONVENTION

By: Robin Forrer, Student Member (continued)

On Thursday, June 5th, I attended 3 sessions. Policy and Economics as it Affects Sustainability, LEED Innovative Credits and CSI's Certifications for the Integrated Building Team, and Green Project Feasibility, Design and Construction in the Southwestern US.

The first one, Policy and Economics as it Affects Sustainability, featured Mark Holland, BLA, MSc. MCIP, LEED, AP Holland Barrs Planning Group as its speaker. Mr. Holland was from Canada, but had been brought in focus by Albuquerque's Mayor Martin J Chavez, of this city's strategies to get this town to be a Sustainable Community. He discussed how sustainable practices starts with the developers and an owner committed to the project. To also have the city backing needed to see the project through also was important. The mayor of Albuquerque appeared to have a clear picture of what he wanted this city to accomplish now and in the future to make his project a success. The more he learned about how to deal with their environment, economy, social health, and the institutions their community was about, the more he understood what he needed to do. The resource depletions, waste accumulation, water consumption and pollution, food supply, aging population, fossil fuel dependency, buildings that were 50-100 years old and what to do with them, renovate or demolish them, what their infrastructures needs would be over they next 20-100 years. Opens spaces are an issue in the master plan, as to what would remain open or not and its best use. Mr. Holland seemed confident that Albuquerque would achieve their goals and become a major city that had adopted a successful sustainable community.

The second session was more about what Certifications CSI can do for a LEED project. Mr. Paul Bertram JR, FCSI, CDT, LEED AP, North American Insulation Manufacturers Association, proposal included his "dream team" scenario on a project. His requirements included at least one principal participant of each project building team discipline including Architects, Designers, Specifiers, Project Managers, Mechanical Engineers, Landscape Architect shall have a CSI CDT - Construction Document Technologist Certificate or Certification of CCS – Certified Construction Specifier, CCCA – Certified Construction Contract Administrators, CCPR – Certified Construction Product Representative or other CSI Certificate/Certification designations. Included also should be a LEED AP/CSI certificate/certified designated building team member as a facilitator of an integrated design and construction process. His basis for this was based on the need to document and substantiate a LEED project to be a success.

This all made sense in that a commercial project usually contains many of these persons. The consistency in a team comprised of these persons would significantly affect a project. The more skilled a team, the more successful the project could possibly be.

(to be continued next month)

CSI CERTIFICATION

By: Mike Madius, CSI, CCS

It's Time to Think About Taking the CSI National Exams

As your new Chapter Certification Chairperson, I'd like to announce that the next round of certification exams will be given during the week of March 30, 2009. Registration for the CDT, CCS, CCCA, and CCPR exams will open this Fall, and I will get the word out as more details become available. Study groups will be conducted by Portland Chapter leaders who are experienced in the course material and at guiding test candidates through the requirements. These exams are not just for architects and engineers. They add value to architectural support staff, construction support staff, interns, product representatives and suppliers, contract administrators, public agency employees, building owners, attorneys, and others in the construction industry. Getting certified increases your knowledge and credibility. I hope to have more information for the next newsletter; in the meantime you can reach me at mike@beautifulbuildings.com or 503-224-6767 with your questions.

CSI GOLF RECAP

By: Erica Bitterman-Ryon

The 2008 Annual CSI Golf Tournament was a success. We had 120 players this year from all areas of the A/E/C industry. We had several tee boxes that were manned this year by our sponsors. This adds to the event and is great networking with the players and most important – FUN!! Recommend by all that have sat out there and anyone that is interested in it. Everyone had a great time, beautiful weather, lots of laughs and yummy food. We have next year's tournament tentatively scheduled for August 14th 2009. Keep it in mind if you would like to join us. More information will be out the first of the year.

Tee box number #1 was sponsored by Weller and Associates, Chris Irwin. Tee Box #4 was sponsored by Atlas Supply, Tony Mazza. Tee Box #6 was sponsored by Ford Graphics, Denise Latham and Jerry Rundorff. Tee Box #8 was sponsored by Architextures, Tom Coffey. Tee Box #9 sponsored by HTI, Polymer Inc - Danielle Alexandre and Mari Ruiz. Tee box #11 sponsored by Cosella-Dorken, Marc Sandin. Tee Box #13 was sponsored by Ideate, Inc – Tony DiVincenzo. Tee box #17 sponsored by Professional Roof Consultants Inc, Samantha, Meg & David. Other Tee Box sponsors were Rehfeldt Construction, Pilkington, Western Construction, Miller Paint, Western State Sales/TOTO, WindowTech, Willamette Print and Blue Print, Parker Paint, Steelscape and Team Construction. LD and KP sponsors were Western Architectural, Oldcastle Glass/Technoform and McGraw Hill Construction Dodge.

Our dinner was sponsored by Precision Images as well as all the signage and flyers at the tournament. Lunch was sponsored by DeaMor & Associates.

Our Tournament winners were; 1st Place - Metecno, API - Bill Sandahl with Metecno API, Kent Schmidt , Corey Castener, Steve Schadewitz. 2nd place - HTI, Polymer Inc. - Serge Alexander with HTI, Polymer inc, Clay Morgan with Todd Hess Builders, Kevin Jolma with Battle Ground School District, Gordy Jolma. 3rd place - Professional Roof Consultants - Steven McBride with Professional Rood Consultants Inc, Joe Pinzone with SERA Architects, Ron Maine with Professional Roof Consultants Inc, Mike Schilling with Vial & Fotheringham LLP. Our grand prize Raffle prize which was donated by Weller & Assocaites, a Maine lobster dinner with all the fixing's, was won by Bill Sandahl.

Without all our sponsors I would not be able to put this event on. On behalf of the CSI Portland Chapter and myself, I greatly appreciate all of those that joined me this year for some fun in the sun and a day away from work. I hope you will be back next year to join us again. "FORE" :)



1st Place Winners



2nd Place Winners

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NORTHWEST REGION CHAPTER MEETINGS

Cook Inlet, Anchorage, AK (Third Tuesday)

Mark Hughes, CSI.....907-267-5163

Puget Sound, Seattle, WA (Second Thursday)

Andrew Estep, CSI.....206-382-3393

Mt. Rainier, Tacoma, WA (First Thursday)

Bob Kenworthy, FCSI, CCS, CCCA..253-931-4904
Dennis Kabba, CSI, CDT 253-627-5599

Spokane, WA (Second Thursday)

Thomas Gerard, PE, CSI, LEED-AP. 509- 328-2771

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)

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Idaho, Boise, ID (First Tuesday)

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Big Sky, MT

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

CSI CALENDAR OF EVENTS

October 2008

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	

- 10/7 CSI Board Meeting, *Noon, RiversEast Conference Room*
- 10/9 CSI Specifiers Share Group Meeting, *Noon, ZGF*
- 10/13 CSI Membership committee, *noon Macadam's Bar & Grill*
- 10/14 CSI Chapter Meeting - Metro Recycling, Princeton Ballroom**
- 10/23 CSI Specifiers Share Group Meeting, *Noon, ZGF*
- 10 /28 Program committee, *7:30 am, Nancy's Kitchen—16th & Glisan*

November 2008

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						

- 11/4 CSI Board Meeting, *Noon, RiverEast*
- 11/10 CSI Membership committee, *noon Macadam's Bar & Grill*
- 11/11 CSI Chapter Meeting - Sustainable Products, Princeton Ballroom**
- 11/13 CSI Specifiers Share Group Meeting, *Noon, ZGF*
- 11/25 Program committee, *7:30 am, Nancy's Kitchen—16th & Glisan*
- 11/27 HAPPY THANKSGIVING

December 2008

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			

- 12/2 CSI Board Meeting, *11:30, RiverEast*
- 12/8 CSI Membership committee, *noon Macadam's Bar & Grill*
- 12/9 CSI Chapter Meeting - Holiday Social, Dinner at the Nines**
- 12/11 CSI Specifiers Share Group Meeting, *Noon, ZGF*
- 12/22 Program committee, *7:30 am, Nancy's Kitchen—16th & Glisan*
- 12/25 MERRY CHRISTMAS