



Knowledge for Creating
and Sustaining
the Built Environment

The Predicator

Volume 44, Issue # 8

April 2005

Portland, Oregon Chapter — The Construction Specifications Institute

C.S.I. Portland Chapter
Phone: (503) 805-2500
Fax: (503) 587-0337
E-Mail: jane@portlandcsi.org
Web site: www.portlandcsi.org
Web site: www.csinet.org



Table of Contents:

Chapter Meeting	1
President's Message	2
What Do You Say?	3
Perky's Notes	4
Member News	5
Feb Meeting Recap	6
Keynote Speakers	6
Contacts	7
Calendar	8



Gretchen Schauffler Color Therapy from the Northwest™

Tuesday, April 12, 2005

Not that we all need therapy – but in coping with the abundance of grey Northwest days, we could all use a little more exposure to the richness of color possibilities in our projects.

Gretchen Schauffler firmly believes there can never be enough color in the world. Gretchen was born in San Juan, Puerto Rico, where vibrant Caribbean colors would influence her personal palette for a lifetime. As an artist and Color Consultant, unsatisfied with the color spectrums offered at

the time, Schauffler developed an extraordinary paint palette with livable colors, rich consistency and luminescent finishes under the name of Devine Color, Inc. Her individually designed spectrum pulled together the brilliant colors of her past and the rich elegant tones of her Northwest present to deepen the experience between color and light.

With diverse interests and education experiences in fields of architecture, fashion design, and art therapy, she finally settled on a degree in graphic design from Portland State University. Motivated by her one true passion – color – and taking advantage of her years of art, color, design, and entrepreneurial experience, Gretchen has extended Devine Color® across the Pacific Northwest, United States, Canada and into Ireland. She is currently establishing a color consultant program. As a seasoned speaker on the subject of color, the development of Devine Color®, and her experience as an entrepreneur, she and her company have become the subject of countless articles and national news stories.

So why do we need “color therapy”? Think of your recent projects, and ask yourselves:

- Why trepidation when the first colors were applied to my project's walls?
- Will I get used to seeing that color on such a large expanse of wall area?
- Am I confident that the interior colors really communicate the architectural intent?
- Can choosing the right palette for a project be defined in a process to take the guesswork out?

Come to the meeting and learn the secrets of color from the industry's expert!

The Princeton Ballroom – 614 SW 11th Avenue – Portland, OR

Dinner and Program: \$30 per person, pre-registered by April 7

Or sponsor a table of eight for just \$230.00

Late Registrations and Walk-ins \$40, if space available

5:30 Meet your Colleagues / 6:30 Dinner catered by Jake's

7:00 to 8:30 Program

Assure your spot for this colorful event! See enclosed Event Registration.

PRESIDENT'S MESSAGE

By Cherie McNabb, CSI, CDT



April has arrived and CSI Portland Chapter has many things planned for the months ahead.

This month, April, we have a local entrepreneur, Gretchen Schaffler. She has taken her creative ability, training and persistence to a level in the industry that is well respected. You may recognize the brand Devine Color® that she has created. It is so nice to be able to bring local people to our dinner meetings that have really created success for themselves. She is not only a very creative person but she also has been able to use her sales skills to push her ideas forward.

This meeting allows all the product representatives the opportunity to invite the interior design community as their guests. What a great treat for them to be invited and sit at a table with you. Remember it is only \$230.00 for a table of eight. I highly recommend that you all consider doing this. IIDA members and the designers in general may really enjoy this meeting and it also informs them what CSI is all about too.

May is the yearly ... successful Portland Products and Services Fair.

Date: Tuesday, May 10, 2005
Place: Oregon Convention Center
Time: 1:00pm until 7:00pm.

WE WILL SEE YOU THERE!!!!

This year we are so lucky to offer you two top speakers. Both speakers will offer Learning Units and we will have other learning unit opportunities. Look for more information on the programs.

The Portland Products and Services Fair offers over 140 vendors that will be exhibiting new and exciting products and services for you to walk through. You will also have the opportunity to win a weekend at a local resort. To be qualified you need to get signatures from the vendors and turn it into the CSI booth. Good Luck! If you have questions on attending the fair email jane@portlandcsi.org or call her at 503-805-2500. If you are a vendor you can give Jane a call or contact Ellen Onstad at ellen_onstad@mcgraw-hill.com or phone her at 503-224-0361.

You should definitely be a vendor if you have products for construction. This is the show to attend. When the invitations arrive we recommend that you pre-register for the day's events even if you are just attending the exhibit floor. If you get yourself pre-registered your name badge will be waiting for you at the registration counter. This will speed up your entrance into the seminars and exhibit floor. The invitation should be in your mail box and on the website soon.

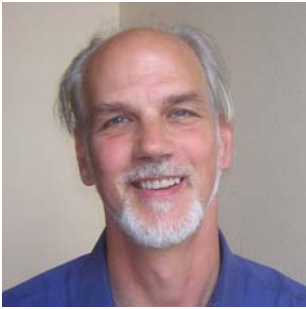
June is going to bring us a great Tour and Awards dinner.

June 14th we will be able to offer a tour into the Wapato Jail. This will be an experience that many have not had the opportunity to experience. I look forward to this event. Not only do we get to tour this jail we also are honoring our volunteers in the Portland Chapter CSI.

Registration information will be in the June issue of The Predicator. We look forward to seeing you at this tour and awards gala.

Don't forget Golf: Date is August 5th at Lewis River Golf Course, Woodland, WA FORE...

By: Fred Herboldt, CSI, CCS



Specifying Vertical Architectural Concrete

When concrete walls and columns will be exposed to view, without plaster or an opaque coating, we have to question our expectations. What can be done to assure that cast in place vertical concrete will have a pleasing, consistent appearance without applying a coating or mechanically altering (blasting or hammering) the surface?

We invited representatives of the concrete industry to tell Portland specifiers how we might improve our specs to achieve acceptable architectural concrete. Dave Germer from Glacier Northwest lead the presentation by showing common problems and explaining solutions. Jim Hirte, CSI, CDT, of Colamette Construction filled in with practical field experience. And Jeff Marty from WR Grace focused on self consolidating concrete (SCC). There are definite items that can be added to our concrete specs to improve architectural concrete. Most of these items add cost, so they have to be evaluated with the budget.

Architectural Concrete Mix: This is really a performance specification. Structural engineers establish the minimum strength requirement. We need to control aggregate size, water-cement ratio, and require admixtures to achieve an optimum plasticity or slump. Specify water-cement ratio of 0.45 or less and require a high-range water reducing (HRWR) admixture per ASTM C 494 type F or G. Require HRWR added and mixed at the site. Consider no air entraining admixture or at the most 1.5% air by volume. In our mild climate zone, freeze-thaw is not a great concern, even for exterior walls. Vibrating during placing can produce large areas of bubbly concrete if there is too much entrained air. Specify maximum aggregate size, usually 1/2 inch or less. Even 3/4 inch aggregate can prevent good consolidation and flow around reinforcing. Your slump should be between 7 and 10 inches, but not more. Finally, in warm weather, require either ice water or a retarding admixture to prevent early setting between lifts.

Other Mix Considerations: Fly ash is commonly specified between 20% to 35% for LEED™ recycled material credit. Color powder or liquid is available for integrally colored concrete. Lighter colors require white cement, so be sure to investigate what's required to get the desired results. Admixtures that produce integrally waterproof concrete are available, and they also produce expensive concrete.

SCC: Self Consolidating Concrete is defined as a concrete mixture that can be placed purely by means of its own weight with little or no vibration. The advantages using SCC is virtual elimination of rock pockets, bug holes, and effects of a bad vibrator operator. The secondary advantage is getting rid of the vibrator operator and associated labor cost. Disadvantage is about 40% increased concrete cost and more expensive, stronger forms designed for full liquid head. When specifying, start with the definition above. Specify your water-cement ratio at 0.36.

Specify the HRWR based on polycarboxylate and complying with ASTM C 1017 Type 1 and 2 (by WR Grace or MasterBuilders). Maximum aggregate size should be 3/8 inch or "pea gravel". Require field slump flow test on a smooth level surface, producing between 24 and 28 inch round flow. The standard slump cone in ASTM C 143 is used, but the slump is so great to be meaningless, so the spread of the mix is measured. Fly ash is compatible in this mix.

Quality Assurance: There are three items to include in Part 1. Require a sample where color or surface texture is important. Definitely specify a mock up. Use a wall that will be concealed for an in-place mock up, if possible. Require all the same products and techniques as for the final construction. Specify acceptance criteria like, "voids no greater than 1/2 inch any dimension at frequency no greater than 3 per any 4-by-4 foot area." Always have a pre-installation meeting for architectural concrete. Consider requiring the entire crew attend. Review critical concrete placement issues, formwork tightening and sealing, protection prior to placing, importance of proper consolidation, and special services of the Owner's testing agency. Review the mock up and acceptance criteria.

Formwork: Smooth formed architectural concrete requires at least MDO or HDO form panels with sealed edges. These are available in 10-foot lengths. Remember, panel joints will be visible. Sharp 90-degree corners are very difficult to achieve; normally specify chamfer or radius outside corners. The form release agent can affect the surface of concrete, so require a test sample. Remember, "board formed concrete" is produced by lining the forms (plywood panels) with boards so the concrete paste will not leak.

Placing Concrete: If the bottom of the architectural concrete wall will be exposed, consider requiring 1 to 1-1/2 inch grout in the bottom just prior to placing concrete. You can also specify the rate of pour and maximum length of pour to avoid that layered look.

Standard References: We specify that work shall conform to ACI 301 and ACI 117 which should prevent the following mistakes and effects. The forms were not tight, sealed or strong enough, cement paste leaked out and there are rock pockets. The reinforcing got hot and created white shadows on the concrete surface. The concrete was not vibrated enough - voids. It was vibrated too much - bleeding, segregation and bubbles. Consider recommending that the Owner employ a concrete construction expert to perform additional field quality control for architectural concrete.

Patching and Finishing: To be realistic, we should consider correcting minor defects in architectural concrete. Be sure to specify the acceptable dimension of surface irregularities, for example 1/8 inch (ACI 347R Class A). Accept that some patching will be inevitable. Specify that the same cement-sand mixture used in architectural concrete be delivered in sealed containers and used for patching. Put that in Part 2 under "Patching Mixture" and refer to it in Part 3.

Thanks to Dave, Jim and Jeff for this information. I hope we see some very handsome architectural concrete in Oregon.

PERKY'S NOTES

By: Perky Kilbourn, CSI



It is sort of fun to write these notes especially when we (yes, Lee got to go too) just got back from a two weeks vacation in Florida which included a Caribbean Cruise.

Note #1

We started on February 2, 2005 by driving to the Red Lion Hotel at Seattle Airport. We spent the night at the Red Lion Hotel and

the next morning, Anne Whitacre, CSI, CCS drove us to the airport. Our flight was uneventful and we arrived in Florida on time only to discover that the oxygen provider had misread the order for oxygen so there was no oxygen to greet us at the airport in Florida. Fortunately, Alaska Airlines had given me more oxygen than I really needed for the flight. Alaska Airlines let me take the oxygen tank from Alaska Airlines to the resort where we were staying before our cruise. We promised to bring the oxygen tank back when we were scheduled to take our return flight in two weeks. Alaska Airlines decided all was "O.K." and we could have the oxygen tank. It is really interesting that the airlines handle and bill for oxygen differently. Alaska Airlines billed for each oxygen tank and they thought it was a three oxygen tank flight. I only used one tank and had just started on the second tank when we landed in Florida. United Airlines bills for each flight segment, no matter how much oxygen will be used.

We purchased the picture of Lee and I getting onboard the Carnival Legend on February 7, 2005. We were supposed to leave Port Everglades at 4 pm which I think was fairly accurate. Once we were sailing there was the mandatory safety information which was sort of like the airline safety information. We then relaxed until dinner when we met our table mates. They were a neat Catholic couple who had each lost a spouse through death and were going to be married in May. We also figured out which shore trips we were going to take.

We arrived at St. Maarten after two days at sea. I spent these two days resting and reading Romance Novels from the Ship's Library as well as books and magazines which I had brought. I figured I should enjoy my vacation and reading is something I enjoy doing especially if I am reading something that does not have anything to do with microorganisms or construction or substances of abuse. I got so involved in one of these "Romance Novels" that I had to stay up till almost 2 A.M. to finish getting it read. Fortunately, I did not have to get up early the next morning so it was all right.

On February 10 we took a shore excursion around the island of St. Maarten and then we had lunch at a restaurant on the beach. I am always amazed at how warm the Atlanta Ocean is compared to the Pacific Ocean. It has to do with the currents and the fact that the currents are going from South to North in the Atlanta Ocean and from North to South in the Pacific Ocean. I enjoyed getting wet because the water was not cold.

On February 11 we visited the island of St. Lucia. We took a guided tour around the island and learned quite a bit about its history and also how to do Silk Screening. I found it fascinating and purchased a place mat for Anne Whitacre as a thank you for

her "pick up and delivery" at the Seattle Airport. I learned that the place mat was fifty cents more at the point of silk screening than at the shops next to the ship. It was not too difficult to convince Lee that we could afford to support the "local economy" and buy the item from the point where it was silk screened. It would be interesting to learn why the difference in pricing besides just hoping that the "local economy" did get some benefit.

On February 12 we visited the island of St. Thomas. We toured the beautiful botanical gardens at a home on the island. We could then go back to the Ship or relax in the hot tub and/or gardens at the home. I spent the whole afternoon in the beautiful gardens at the home reading.

On February 13 and 14 we were at sea on our way back to Florida. As a Carnival Cruise Ship there were from many different countries represented by the crew. The Team Head Waiter who served us was Roel from Philippines and his assistant was Sergiu from Romania. On February 15 we arrived back in Florida and returned to the resort. I then read in the sun and relaxed until we left on Friday, February 18. Anne Whitacre again met us at the airport in Seattle and rode with us back to the Hotel. Lee and I drove back to Portland on Saturday, February 19 for a noon meeting of the Tigard Grange. We then unpacked and did laundry etc. A most enjoyable holiday though we did miss the Portland Chapter CSI meeting – sorry!

Note #2

My second note is about an article on another type of Carnival which is Rio De Janeiro's Carnaval. This article was published in January/February 2005 issue of "American Scientist" and discusses the intersection of science and popular culture in Brazil. The "American Scientist" is the official journal of Sigma Xi (is a National Honor Society for Scientists & Engineers). Apparently a science theme was proposed for the February 22, 2004 parade entry of the Unidos da Tijuca - one of the samba schools. The title was "The Dream of Creation and the Creation of the Dream: Art and Science in the Age of the Impossible." Apparently, Brazilian scientist's were supportive of this incredible opportunity for science to interact with popular culture. Quoting from the article ". . . The United States equivalent might be a science-themed halftime show at the Super Bowl. . . In some instances the, scientific authority was the butt of the joke. . . The other scientists and I (author of the article Roald Hoffmann) were dressed as Alberto Santos-Dumont. Santos-Dumont was the revered Brazilian aviator who in Paris, pioneered dirigible airships and lay claim to the first sustained, heavier-than-air flight. . . The star of the parade was one of Barros's floats called Criacao da Vida or Creation of Life. One hundred twenty-three young people, spray-painted blue-black, were strapped onto this pyramid, and they performed a spectacular choreographed dance as it moved through the Sambodromo. At times their arms and bodies evoked the helices of DNA and proteins, at times they just celebrated life. To the surprise of the Carnaval, Unidos da Tijuca won second place. It had never ranked higher than fifth in the top league. Much of the credit goes to Paulo Barros's theme and the Casa da Ciencia's efforts. Science will be back at Carnaval in the years to come". Roald Hoffmann is Professor of Humane Letters at Cornell University.

MEMBER NEWS

By: *Russell L. Pitkin, AIA, CSI, LEED AP*



Searching for the optimum is a circular journey against time and budget for those in the construction industry continuously seeking synergies in design and products to find that combination which complements, provides sustainability and

yields the best value while struggling to avoid compromising concept for the sake of budget. It's that search for balance that creates the need for innovative new products to meet the demanding challenge of structures that push the technological envelope of construction materials and methods. Knowledge is everything in this quest against time and budget in order to avoid those two dreaded words "Value Engineering."

Architects, it seems, by the nature of what they do, are required to know a little about a huge number of things, but it is an impossibility to know everything. So how does one stay attuned to the latest industry information on products while working as hard as possible against time and budget? One answer is to burn valuable time on that vast resource, the Internet, researching products. A smarter answer is having access to an encyclopedia of product experts for every component you are considering. An encyclopedia that is always up-to-date on the latest advancements and can give you invaluable insights on costs, quality, durability, sustainability, and life cycle information that will fit the needs of your project specifically so that you may strike that project balance and avoid "Value Engineering."

Does this sound expensive? The cost is more affordable than you think. All of this, and much more can be available to you when you belong to a professional organization like The Construction Specifications Institute (CSI). I am a newcomer to CSI, but already it has opened up the opportunity to explore project possibilities with industry experts on products under consideration.

Not so very long ago, when conversation turned to specifications, one could see my eyes begin to glaze over. Admittedly specifications are not everyone's favorite and can be fairly dry reading material for most, myself included, but as a seasoned architect, in taking a CSI class, even an old dog can learn new things at this very important time as the industry changes over to the new MasterFormat 2004. The class, which provides AIA-CEU credits, has provided me with a refresher course in proper execution of documents that are an important and integral part of a project's construction document package. I have learned new things that have changed through the years, relearned things I forgot, and even learned a few things I had been doing incorrectly over the years.

I have been involved with the CSI Portland Chapter for a year now. I am a professional member on the Board of Directors, am taking a CSI class, am registered for the CDT certification test, and have been helping with the planning of the 2006 Northwest Region Conference that will be held in Portland during the first week of October of that year. I have enjoyed the monthly meeting social hours and the after dinner speakers and topics, which provide AIA-CEU credits. There are also a few major local construction project tours each year which are always fun.

CSI is an excellent complimentary organization to AIA and the two groups have jointly sponsored many events. CSI has provided me the opportunity for continued professional development and associations made in my short time as a member have proved to be a tremendous time saving resource, opened new design opportunities I was not aware existed, but most of all, it has given me access to a great group of people I am proud to call friends.

Russ Pitkin is an architect with LSW Architects and is their Portland Office manager. Russ and Mary, his wife of 26 years, live in Portland, and they have a son, Phillip, and daughter, Madeline. Russ was a committee member for an inner city Boy Scout troop for many years, enjoys family activities, outdoor activities, fishing, and scuba diving.

PORTLAND PRODUCTS AND SERVICES FAIR

We want to invite you to register now for the 31st annual Portland Products and Services Fair presented to you by CSI (Construction Specifications Institute), IIDA (International Interior Design Association), AIA (American Institute of Architects), AGC (Association of General Contractors) and IFMA (International Facilities Managers Association) a strong team of construction related associations. The fair is scheduled for Tuesday, May 10, 2005 from 1:00 pm - 7:00 pm at the Oregon Convention Center - 777 NE Martin Luther King Jr Blvd. Portland, OR Exhibit Hall 'A'.

? About general vendor and booth information: Ellen Onstad 503.225.0361 email: ellen_onstad@mcgraw-hill.com

? About booth payments: Jane Phifer 503.805.2500, CSI Office, PO Box 5116, Salem, OR 97304 email: jane@portlandcsi.org

? About educational seminars: Cornelia Gibson 503-624-7444 email corneliag@verizon.net

By: Doug Allen, CSI



What is it? It's not a Bird, it's not a Plane, and it's not a Gondola. It's the Portland Aerial Tram! Guests and members in attendance were mesmerized. The detailed presentation brought

us up to date with the planning of the Portland Aerial Tram and South Waterfront District projects. Our speaker for the evening was Matt Brown a project manager with the City of Portland's Office of Transportation, where he is responsible for the Portland Aerial Tram project.

The show started with slides of Northwest area nature settings, our unique communities, and an explanation outlining the design goal of the project was to integrate the tram into the community with as little impact as possible. We were introduced to the following key goals of the Metro 2040 Plan which helped guide the projects; "establish urban growth boundary, protect farmland and natural areas, create effective transportation network, protect and enhance open space, roadmap for how the region will grow, and tension – density vs. sprawl." Moving on to the lay of the land, we were shown before and after images illustrating that much of the planned South Waterfront District will be on land that had been in filled over the years.

With the goal of world class academic/research, the partnership of OHSU, OGI, PSU, and OSU will drive much of the development. The central district starts out with 5,000 jobs and 2,700 housing units and at build out over the next 20 years with 10,000 jobs and 5,000 units of vital mixed use and active vibrant neighborhoods, parks with a river presence and a goal of 150' greenways at the rivers' edge.

OHSU being the largest employer in the city and offering a large investment in the project, transportation to the campus was vital. Several means of transportation were evaluated. However, the ability of the Aerial Tram to work with ground transportation, silently carry up to 80 passengers from the waterfront to OHSU in about 4.5 minutes in virtually any weather condition was a big factor in the decision to finalize on a tram. A design competition was held in 2003 with a project vision; "the creation of connections, linking communities through transportation infrastructure, public space, landscape and sustainable design." The final Tram design has 2 stationary track ropes and 1 circulating haul rope. It travels at typical heights of 80'-85', while putting 1,000,000 pounds of force on the buildings it serves.

I am sure we would enjoy a CSI tour of this completed project.

The Portland Products & Services Fair committee is excited to announce the following keynote speakers.

Vivian Loftness, FAIA

Professor and Department Head, School of Architecture, Carnegie Mellon University

Vivian Loftness is an internationally renowned researcher, author and educator with over thirty years of focus on environmental design and sustainability, advanced building systems and systems integration, climate and regionalism in architecture, as well as design for performance in the workplace of the future. Supported by a university-building industry partnership, the Advanced Building Systems Integration Consortium, she is a key contributor to the development of the Intelligent Workplace - a living laboratory of commercial building innovations for performance, along with authoring a range of publications on international advances in the workplace.

She has served on five National Academy of Science panels as well as being a member of the Academy's Board on Infrastructure and the Constructed Environment, and given three Congressional testimonies on sustainable design. Her work has influenced both national policy and building projects, including the Adaptable Workplace Lab at the U.S. General Services Administration and the Laboratory for Cognition at Electricity de France.

Rob Wellington Quigley, FAIA

Rob, a native Californian, served as a Peace Corps architect in Chile after his graduation from the University of Utah in 1969. He has been active with his own firm since 1974 and has earned over sixty awards for design excellence from the American Institute of Architects.

Current work focuses on community participation design, such as the San Diego New Main Library and the Golden Hill Community Center. Rob's landmark Baltic Inn is considered responsible for starting the national trend in new single room occupancy hotels. 202 Island Inn, a more recent single room occupancy hotel, was selected by Time as one of the "Ten Best Designs of 1992" and received a national AIA Honor Award. Recent honors focus on the firm's work with sustainable design.

Philosophy - we are interested in the irony of today's architectural paradoxes such as "permanence" in an essentially transient society, "timelessness" in a society that values short-term gains above all else, "identity" in an era of instant global communication, "spirituality" in a rational society, and relevance of "craft" in a world that considers art a luxury.

THE CONTACTS

PORTLAND OFFICERS & DIRECTORS

President

Cherie McNabb, CSI, CDT.....360-281-1918
Forbo Flooring

President Elect

Dennet Latham, CSI, CCS, AIA503-723-3998
CH2M Hill - IDC

Immediate Past President

Jim Wilson, CSI, CCS, AIA.....503-222-1917
SRG Partnership Inc.

Secretary

Doug Allen, CSI.....360-263-0049
Door Security Solutions Pacific NW

Treasurer

Dennet Latham, CSI, CCS, AIA.....503-423-3998
CH2M Hill - IDC

Executive Director

Jane Phifer, CSI.....503-805-2500 or 503- 399-7312
CSI Office - P.O. Box 5116, Salem, OR 97304

Director, Professional 2004-2006

David Roggenkamp, CSI, PE.....360-573-4545
Roggenkamp Erickson & Associates

Director, Professional 2004-2006

Russ Pitkin, CSI, AIA.....503-274-5432
LSW Architects, PC

Director, Professional 2003-2005

Ray Totten, CSI, CCS, AIA503-635-4425
Architects Barrentine Bates Lee

Director, Industry 2004-2006

Bud Henson, CSI,360-600-0804
Custom Window Company

Director, Industry 2004-2006

Kaye Kloster, CSI503-227-3424
Ford Graphics

Director, Industry 2003-2005

Denise Carpenter, CSI..... 503-720-3005
T & A Supply

COMMITTEE LEADERS

Awards

Denise Carpenter, CSI..... 503-720-3005

By-Laws

Ken Searl, FCSI, CCS.....503-362-3472

Certification

Ray Totten, CSI, CCS, AIA503-635-4425

Editor

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

Education

Dave Roggenkamp, CSI.....360-573-4545

Continuing Education

Skip Brown, CSI, CCS.....503-827-0505

Golf Tournament - Co-Chairs

John Armstrong, CSI.....503-579-2477
Erica Bitterman, CSI..... 503-274-2030

Library

Perky Kilbourn, CSI.....503-244-1778

Membership - Co-Chairs

Lee Kilbourn, FCSI, CCS, FAIA.....503-417-4400
Pat Murphy, CSI, CDT.....503-285-4557

Operations Guide

Ken Searl, FCSI, CCS.....503-362-3472

Orientation

Michael Muhle, CSI, CDT.....503-284-6799

Products & Services Fair - Co-Chairs

Cornelia Gibson, CSI, CDT.....503-624-7444
Ellen Onstad, CSI, CDT.....503-225-0361

Programs - Co-Chairs

Jody Moore, CSI, CDT.....503-284-6799
Kaye Kloster, CSI503-227-3424

Publicity

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

Specifiers Share Group & Technical

Fred Herbold, CSI, CCS.....503-445-7389
Isaac Tevet, CSI, AIA.....503-222-1661

Student Affiliate

Rudy Barton.....503-725-3339

Webmaster

Jane Phifer, CSI503-805-2500

Portland Website
www.portlandcsi.org

INSTITUTE DIRECTORS

2004-2007

Tom Dienes, CSI, CCCA
Ph: 541-485-1700 Fax: 541-683-7722
Email: tsdienes@ix.netcom.com
Wildish Standard Paving
PO Box 7428
Eugene, OR 97401

2003-2006

Rick Heiserman, CSI, CCCA, AIA
Ph: 503-245-7100 Fax: 503-245-7710
Email: rickh@amaa.com
Ankrom Moisan Associated Architects
6720 SW Macadam Avenue, Suite 100
Portland, OR 97219

Region Website
www.csinwr.org

REGION COMMITTEES

Academic Liaison

Jeffrey Callahan, CSI, CCCA.....907-786-6425

Awards

John Lape, FSCI, CCS, AIA.....509-624-5600

Certification

Brian Keil, CSI, CCPR206-763-0300

Education

Perry White, CSI, CDT.....360-570-0504

Electronic Communications

Rand New, CSI, CDT.....541-688-5594

Membership

Lee Kilbourn, FCSI, CCS, FAIA.....503-417-4400

Planning

Anne Whitacre, CSI, CCS.....206-521-3506

Publications

Bob Kenworthy, FCSI, CCS, CCCA...253-931-4826

Technical

Marc Chavez, RA, CSI, CCS.....206-622-9450

Treasurer & Secretary

Larry Barger, CSI, CCS360-943-4650

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, CSI-I.....541-687-9600

Idaho, Boise, ID (First Tuesday)
Jon Farren, PE, CSI, CDT.....208-429-1307

April 2005

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

4/5 CSI Board Meeting
 4/12 CSI Membership Meeting, Billy Reeds
 4/12 **CSI Chapter Meeting, Color!!**
 4/14 CSI Specifiers Share Group Meeting
 4/28 CSI Specifiers Share Group Meeting

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

**May 10, 2005
 Oregon Convention Center**

May 2005

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				

5/3 CSI Board Meeting
 5/10 CSI Membership Meeting, Billy Reeds
 5/10 **CSI Chapter Meeting,
 Portland Products & Services Fair**
 5/12 CSI Specifiers Share Group Meeting
 5/26 CSI Specifiers Share Group Meeting

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

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



Portland Chapter CSI
 PO Box 5116
 Salem, OR 97304