SPECTRUM
Newsletter of the Puget Sound Chapter CSI - March 2020 - VOL 75

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Event Spotlights

Kick Some Axe!
Get Social with CSI - Networking Event at Axe Kickers

Kick some axe with CSI!

- Learn how to properly throw an axe, one-handed, and two-handed (or no hands)
- Time to dig out that Paul Bunyan plaid shirt that’s buried in your closet
- Bring a friend and get ½ off your registration fee

Closed toe shoes required
Free parking available

Register Here!

THURSDAY, MARCH 12, 2020
5:00 PM - 7:30 PM
Axe Kickers
10843 First Ave South
Seattle, WA 98168

CDT Prep - Class 3 of 3: Question + Answer Happy Hour
Introduction to the CSI Construction Documents Technology (CDT) Certification exam
Take a break from studying to join in this CDT Happy Hour! Industry experts and a recent CDT exam passer will be available to answer your questions.

Let off some steam, bring your questions, and take the time to swap study tips and tricks with your fellow CDT candidates.

New 2018 State and Local Energy Code Amendments
Join us at the Monthly Chapter Meeting for this Presentation and Discussion

Duane Jonlin is the “Energy Code and Energy Conservation Advisor” for Seattle’s Department of Construction and Inspections, and for eight years chaired the Technical Advisory Group developing the Washington state energy code for the State Building Code Council.

At the federal level, he is a voting member of both the ASHRAE 90.1 Committee and the ICC Commercial Energy Code Committee.

Prior to taking his position at the City of Seattle, Duane was a principal at NBBJ, with 30 years’ experience designing complex projects as a technical architect. (And, he’s been responsible for writing many project manuals.)

He is a featured speaker nationally on issues of energy efficiency and energy regulations, and in 2016 was elected to the American Institute of Architects College of Fellows.

Duane Jonlin FAIA
Energy Code and Energy Conservation Advisor,
Seattle Department of Construction and Inspections

THURSDAY, APRIL 9, 2020
5:00 PM - 7:30 PM
Downtown Seattle;
Location TBD
March 12, 2020
Kick Some Axe!
Networking Event

March 24, 2020
CDT Prep Class 3 of 3

April 9, 2020
New 2018 State and Local Energy Code Amendments

May 14, 2020
Installation Demonstration
More Info Coming Soon!

June 11, 2020
Puget Sound CSI Awards Ceremony
More Info Coming Soon!

Board of Directors Elections

BOARD OF DIRECTORS ELECTIONS FOR 2020-2021

PSC CSI elections will take place electronically in March. Voting Members, watch out for your ballot, coming soon!

- **President**: 3 year commitment; first year as President-Elect, learning the role; the following year as President; and the final year as Past-President, acting as an advisor for the following season's President.
- **Vice President**: 1 year term.
- **Secretary**: 1 year term.
- **Director #3**: 2-year term; serve as a liaison between committees and the Board.
- **Director #4**: 2-year term; serve as a liaison between committees and the Board.

Interested? [Email our office for more information](mailto:office@psc CSI.org)

2019-2020 Season Calendar

Our 2019-2020 season calendar is now available as a printable graphic. [Download it here](#) and don't miss an event!
Take me to the PSC CSI Website for more information.

Sponsorship Opportunities

Sponsorship packages are available for all our events. Please click on registration links for events above for sponsorship information.

President's Message

A Dive Through History
by Melissa Falcetti, PSC CSI President

When our chapter left our last management company, a few of our Board members took possession of a seemingly endless number of years of financial records and miscellaneous documentation. Among those boxes, we found a few gems.

One of my boxes contained three binders of "President's Files" ranging from 1980 through 1999. I thought it would be fun to highlight some of the finds from some of the earlier files:

GLOSSARY OF CONSTRUCTION DEFINITIONS - 1980
Published in the November 1980 Spectrum

- Engineer's Estimate … the cost of construction in heaven.
- Hydroelectric Construction… is just one damn thing after another.
- Diversification… an attempt to profit by betting on every horse in the race.
- Specialization… betting everything on the wrong horse.
• **Project Manager**... the conductor of an orchestra in which every musician is in a different union.
• **Strike**... an effort to increase egg production by strangling the chicken.
• **Bid**... a wild guess carried out to two decimals.
• **Low Bidder**... a contractor who is wondering what he left out.

**INTRODUCTION by John Greiner**
*Introductory Note to President’s Files for the 1981-1982 season*

If I had known that this would be required at some future date, I would have kept better track of my "President's Papers." Unlike former presidents like Nixon and Ford, I had no intention of keeping a paper trail for posterity.

**On the Lighter Side by renierg**
*Published in the June 1983 Spectrum*

Let us begin. First, read the directions before proceeding carefully. Record your answers on the enclosed card in reverse order to the questions as they appear herein and hereon. You may proceed when I say that this test should take very little thought and even less effort.

1. **Real Architects do not read**
   a. true
   b. Masters and Johnson.
   c. graffiti in public places.
   d. false
   e. because it is not required in the profession.

...  

6. **Real Architects are best known for their**
   a. charisma and facial hair.
   b. vast knowledge on most everything.
   c. wine cellars.
   d. key roles in popular contemporary novels.
   e. creative business sense.

Now carefully record your score as directed and send the answers to me c/o Relta Gray Associates, along with a dollar two ninety-five for handling and entertainment and now I guess for the new taxes.

**Historian's Corner by Rob MacDonald, Committeeman**
*Published in the October 1983 Spectrum*

CSI Format advocates the abandonment of the "Bid Time Storey Book" and the promulgation of a standard internally recognized specification format as recognizable as the dictionary, the encyclopedia, the yellow pages, ASTM standards, the daily newspaper, the want ads and many other standard formats we naturally take for granted and that improve and facilitate our communication with one another.

**Faces and Places...**
*Published in the November 1985 Spectrum*

**Paul Wu**, pleased with the response to changes for the upcoming roster, hopes the rest are A-okay. He doesn’t want to hear complaints, evidently.

**Down Past Skid Row by AW**
*Published in the February 1990 Spectrum*

I've found that oftentimes if you explain to someone the underlying principles of what you're doing (or trying to do), they don't make the same mistakes anymore. One of Bob Sear's classic comments to a designer was: "And where do you expect me to specify the 9
It might be a cliché, but it was fun to see both how much has changed and how much has remained the same throughout the years. To me, humor will always be an integral part of this chapter. As John M. Hansen, Historian, wrote in the December 1983 Spectrum, "these are our roots." Cheers to continuing that legacy.

**OP ED : What IS CSI?**

by Beth Stroshane, former PSCCSI President

CSI is the organization **where you learn to understand the language of other roles** in the industry. Where architect learns to understand contractor, and contractor learns to understand envelope consultant in a collaborative environment.

**CSI is where you find answers when you run out of the internet.** You can Google what is EPDM roofing. Google cannot tell you how to detail it on your particular job or which thickness is appropriate for your project’s goals. CSI members can walk you through that in a collaborative non-sales environment.

**Board of Directors Meeting Minutes**

Board Meeting minutes:
- November 2019
- December 2019

**Help Support CSI's Mission**

In 2007, the Puget Sound Chapter CSI established the Puget Sound CSI Memorial Foundation, a separate organization providing scholarships, fellowships, and grants to promote educational programs serving the construction industry and related endeavors which support the interests and objectives of the Puget Sound Chapter. The Foundation is administered by a board of volunteers, composed of willing past presidents of the Puget Sound Chapter. Any individual or organization can contribute tax deductible donations to the Foundation. You can donate to the Foundation via our PayPal account, or by mailing a check made out to:

**Puget Sound CSI Memorial Foundation, Inc.**
PO Box 82062
Kenmore, WA 98028-0062

**Past donations have been used to award scholarships** to candidates selected on the basis of recommendations by the Foundation Board and by Chapter members. The Foundation is always interested in your fund-raising ideas and financial support to promote the Foundation's objectives.
ProSpec Keynote Speaker
by Julie Taylor

Ronald Rael will be the keynote speaker. He is an applied architectural researcher, author, design entrepreneur, and thought leader in the fields of additive manufacturing and earthen architecture. In 2014 Rael San Fratello (co-founded with architect Virginia San Fratello), was named an Emerging Voice by The Architectural League of New York—one of the most coveted awards in North American architecture.

His first book, Earth Architecture (Princeton Architectural Press, 2008) is a history of building with earth in the modern era to exemplify new, creative uses of the oldest building material on the planet. A forthcoming book, Borderwall as Architecture (University of California Press 2017), advocates for a reconsideration of the barrier dividing the U.S. and Mexico through design proposals that are hyperboles of actual scenarios that occur as a consequence of the wall. Emerging Objects, a company co-founded by Rael, is an independent, creatively driven, 3D Printing MAKE-tank specializing in innovations in 3D printing architecture, building components, environments and products. As an associate professor of architecture at the University of California, Berkeley, he is the Director of the printFARM Laboratory (print Facility for Architecture, Research and Materials), holds a joint appointment in the Department of Architecture, in the College of Environmental Design, and the Department of Art Practice and is both a Bakar and Hellman Fellow. He often teaches graduate design thesis, undergraduate courses on Design & Activism, and has twice directed the one year post-professional Master of Architecture program, Studio One.

Rael earned his Master of Architecture degree at Columbia University in the City of New York, where he was the recipient of the William Kinne Memorial Fellowship. Previous academic and professional appointments include positions at the Southern California Institute for Architecture (SCI_arc), Clemson University, the University of Arizona, and the Office for Metropolitan Architecture in Rotterdam.

FMI:
http://www.rael-sanfratello.com/
http://www.borderwallasarchitecture.com/

Technically...
John Aldridge of LMN on the Origin of Words

My editor suggested “flashing” this month and where does that come from
anyway? Unfortunately the origin of the name for a “strip of metal used in roofing, etc.” is not clear. Some tried to tie it to a flash of light, but the original flashings were birch bark or lead, neither of which would have reflected sunlight. However, there are some other things related to sheet metal one might find interesting.

Sheet metal is made by taking a large cast ingot and rolling it into a long ribbon of the desired thickness. This long, flat piece of metal is then usually rolled into a coil for shipping to a fabricator.

**ingot** - a mass of metal cast in a convenient form for shaping, remelting, or refining. 1350–1400; Middle English: literally, (something) poured in, equivalent to in- in-1 + got(e) a stream, Old English *gota, akin to gēotan to flow; cognate with German giessen, Gothic giutan, Old Norse gjōta to pour

At low volumes, flat blanks from a punch or laser are bent using a **press brake** – a hydraulic press that squeezes two jaws together with dozens of tons of pressure. They can be fitted with a wide variety of tooling to produce different bends or “brake shapes”

**fascia** - any relatively broad, flat, horizontal surface, as the outer edge of a cornice, a stringcourse, etc. C16: from Latin: band: related to fascis bundle; see fasces

**coping** – a finishing or protective course or cap to an exterior masonry wall or the like. 1175–1225; Middle English < Medieval Latin càpa, variant of cappa cap¹. Cap is a shortening of the Latin cappa for hooded cloak.

**gutter** – a channel at the eaves or on the roof of a building, for carrying off rain water. C13: from Anglo-French goutiere, from Old French goute a drop, from Latin gutta. And in case it reminds you of gutta-percha, fuhgeddaboudit, as that gutta comes from the Malay word for gum, meaning the tough rubberlike sap of various trees of the sapodilla family, especially Palaquium gutta.

**parapet** - any low protective wall or barrier at the edge of a balcony, roof, bridge, or the like. 1575–85; < Italian parapetto, equivalent to para- defense + petto chest, breast < Latin pectus. Another Friday word years ago noted that **caliper** is the diameter of a tree’s trunk measured at breast height.
Communications & Marketing Chair: Lia Alia Wollard, Applied Building Information Education Chairs: Mary Ann Shepherd and Melissa Falcetti, Applied Building Information Membership Chair: Susan Williams, PPG Paints ProSpec Chair: Julie Taylor, Integris Architecture

**Affiliate Events**

**AIA Seattle's 2020 Project Management Series:**
Find out more about this 4-class series in Project Management!
**MARCH 4 | APRIL 1 | MAY 6 | JUNE 3**

**WEBINAR: Solution Speed Sessions**
Streamline your Specification Process with Revit Integration

**WEDNESDAY, MARCH 11, 2020**
2:00 PM EASTERN DAYLIGHT TIME
DURATION: 1 HOUR

[Click here for more information!]

**AIA Seattle's Women in Design Present:**
Meaningful Mentorship

**WEDNESDAY, MARCH 11**
DOORS at 5:00 PM | PROGRAM at 5:30PM
AIA Seattle
1010 Western Ave
Seattle, WA 98104

[Information Here!]

**Happy Hour with Young Architects Forum + WID:**

**THURSDAY, MARCH 12**
5:30 PM - 7:30 PM
SABA Architects
2 Nickerson Street, #200
WEBINAR: Thought Leadership
Making Sense of LOD Specification Information in a Changing World

WEDNESDAY, MARCH 25, 2020
2:00 PM EASTERN DAYLIGHT TIME
DURATION: 1 HOUR

Click here for more information!

WEBINAR:
Design Guidelines, Guide Specifications, and Project Specifications: What’s the difference?

WEDNESDAY, MARCH 18, 2020
11:00 AM - 12:00 PM PDT
DURATION: 1 HOUR

Click here for more information!

Updated Washington State Residential Energy Code

SPEAKER:
Michael Lubliner with Washington State Energy Office

Michael will discuss updates to the Washington State Residential Energy Code with a focus on low-rise multi-family projects.

Click on the Registration Link for more information.

Register Here!

THURSDAY, MARCH 19, 2020
11:30AM - 1:00 PM
GGLO
1301 1st Ave #301, Seattle, WA 98101