CSI MT. RAINIER CHAPTER

CSI 2023 Northwest Region Conference

Building for the Pacific Northwest

Conference Schedule

Bellwether

Thursday, May 4, 2023

9:00am – 5:00pm	Registration Starts (through Hotel Lobby)
10:30am – noon	NW Region Board Meeting (Admiral Room)
12:30pm – 5:30pm	Lynden Door Tour (Meet promptly at Plaza)
2:00pm – 9:00pm	Trade Show Setup Starts (Ballroom)
5:30pm – 7:00pm	Welcome Reception (Admiral/Garden Room/Patio)
7:00pm	Dinner on Your Own (reservations recommended)

Friday, May 5, 2023

7:00am – 3:00pm	Registration Starts (through Hotel Lobby)
7:00am – 8:00am	Breakfast* (Ballroom)
8:15am – 9:30am	Seminar A1 – "La Conner Swinomish Library: A Case Study in Mass Timber" Matt Aalfs AIA, BuildingWork
	Seminar B1 – "Part 1 Re-solutions: Carbon Case for Building Material & Reuse" Aaron Gould, VaproShield
	Seminar C1 – "Designing Facades to Maximize the Benefits of Natural Light" Henry Taylor, Kawneer
9:30am – 10:15am	Break & Trade Show (Ballroom)
10:15am – 11:30am	Seminar A2 – "The 2021 Energy Code and Implications to the Built Environment" Brian Cawley, PE, LEED®AP BD+C; Mike Baranick, PE, CEM®, CMVP®, CMVP®; Mark Humiston, PE, CEM®, GBE®
	Seminar B2 – "Pushing the Sustainability Envelopes" Panel Discussion, Shanni Hanein and P+W Project Team
	Seminar C2 – "Biophilic Design for All: Affordable, Low-maintenance Materials that Mimic Nature" Tim Schultz, ModernMill
11:45am – 12:30pm	Lunch (Ballroom)
12:30pm – 1:30pm	Keynote Speaker – Susan Jones FAIA, atelierjones | Affiliate Assoc Professor, University of Washington
2:00pm –3:15pm	Seminar A3 – "Vacuum Insulating Glazing (VIG) Benefits and Advantages in a Sustainable World" Bryce Given, Vitro Architectural Glass
	Seminar B3 – "The Washington Clean Building Performance Standard" Grant Granger, McKinstry
	Seminar C3 – "Firestop Specifications: What Architects Need to Know" Keith Sanford PE, CDT, CCPR, STI
3:15pm – 3:45pm	Break & Trade Show (Ballroom)
3:45pm – 5:00pm	Seminar A4 – "Mass Timber Construction: Products, Performance & Design" Scott Breneman, PhD, PE, SE, WoodWorks
	Seminar C4 – "Floodplain Design, Construction, and Impacts on Flood Insurance" Clay Goodrich, FloodProofing
5:00pm – 7:00pm	Trade Show Social, Raffles, No-Host Bar (Ballroom)
7:00pm	Baja Buffet, Raffles, No-Host Bar (Ballroom)
7:30pm	Guest Speaker: Tami Micheals, Inside Out | KNWN News Radio AM/FM

Saturday, May 6, 2023

7:00am – 10:00am	Registration Starts (through Hotel Lobby)
7:00am – 8:00am	Breakfast* (Ballroom)
8:15am – 9:30am	Seminar A5 – "Part 2 Re-solutions: Sustainable Solutions & Hygro-Thermal Principles for Existing Buildings" Aaron Gould, VaproShield
	Seminar B5 – "Heated Challenges: Fire & Life Safety/Egress Lessons Using Actual Case Studies" Dan Quatier, InteriorTech
	Seminar C5 – "Designing with Hardwood Veneer" Margaret Fisher, AWI
9:30am – 10:15am	Break & Trade Show (Ballroom)
10:15am – 11:30am	Seminar A6 – "Specify Embodied Carbon Reduction" Beth Stroshane, CDT, CCS, LEED®AP; Applied Building Information LLC
	Seminar B6 – "Beyond ADA: Multi-Generational Public Restroom Design" Tamara Allen, Wind Northwest
	Seminar C6 – "Laser Scanning & Emerging Technologies" Aaron Weaver & Avery Pellett, MultiVista
11:45am – 12:30pm	Lunch (Ballroom)
1:00pm –2:15pm	Seminar A7 – "Daylighting Basics: Design from Concept to Construction" Phil Zeutenhorst, Lacey Glass
	Seminar B7 – "Tiny Houses for Unhoused Neighbors: An Innovative Solution to the Homeless Crisis" Josh Castle, Low Income Housing Institute (LIHI)
	Seminar C7 – "Electronic Moisture Leak Detection Testing, Standards, Science and Practical Applications" Shaun Katz, Detec
2:45pm – 4:15pm	Free Time, Exhibitor Breakdown, Awards Party Setup
4:15pm – 5:00pm	Awards Party Social (Admiral/Garden Room/Patio)
5:00pm – 7:00pm	Region Awards & Raffles

Notes: Seminar Location Designations: A=Admiral B=Ballroom C=Compass
Total AIA CEU's offered: Possible 9 out of 22 Credit Hours
All meals with paid pre-registration only
Times and Locations Subject to change

CSI 2023 Northwest Region Conference
Building for the Pacific Northwest
Education Series

CSI MT. RAINIER CHAPTER

Bellwether

Bellwether Hotel Conference Rooms

Thursday, May 4
12:30 pm - 5:30 pm

23NWR207 2.0LU|HSW
Lynden Door

Lynden Door Manufacturing Plant Tour

Learning Objectives:

Veneers
To know and understand what influences veneer aesthetics - species, cuts, grading standards, veneer flitch layout, finishing and potential obstacles/issues.

Flush Door Construction
To know and understand the 2 types of flush door construction – hot press vs. cold press, Performance vs. Prescriptive Specifications, Core options, Faces and Ratings.

Fire Doors
To know and understand Fire Door ratings, labeling, testing procedures, Neutral vs. Positive Pressure, Category A vs. Category B construction.

Finishing
To know and understand the various types of finishing – TR-6 / OP Catalyzed Polyurethanes, TR-8 / OP-8 UV Cured Acrylated Polyester/Urethanes, Field Finishing vs. Factory Finishing.

Environmental Attributes
To know and understand Environmental standards and their effect on door construction and attributes - EPD, FSC, LEED 4.0.

Friday, May 5
Session 1: 8:15 am-9:30 am

A1 - 23NWR302A - 1LU|HSW
Matt Aalfs, AIA
BuildingWork

La Conner/Swinomish Library: A Case Study in Mass Timber

The recently completed La Conner Swinomish Library is a case study in the use of CLT for public buildings. The library uses CLT for nearly 90% of the building structure, including exterior walls, roofs, and interior partitions. The design optimizes the use of CLT to minimize the need for secondary structural systems. This session will describe the approach, including the design, specification, and construction of the CLT for this building.

About The Presenter:

BuildingWork's Founder and Principal Architect, Matt Aalfs designs innovative and carefully detailed buildings that contribute to the communities and clients they serve. Matt has over two decades of professional experience, specializing in the design of civic and community facilities, adaptive reuse projects, and historic preservation. Matt founded BuildingWork in 2016 to focus directly on work that supports the health of cities, the environment, and culture.

Since 2000, Matt has served as a visiting lecturer and design studio critic with the University of Washington Department of Architecture. He has recently served on the King County Library System Foundation Board, and on Seattle's ACT Theater Board of Directors. Matt is currently a member of the City of Seattle Design Commission.

B1 - 23NWR101 - 1LU|HSW
Aaron Gould
VaproShield

ReSolutions Part I: A Carbon Case for Building and Material Reuse

This live presentation will discuss the life cycle of buildings and materials, exploring some of the feasibility and reasons for reuse of existing building stock and/or their materials. Adaptive and non-adaptive reuse scenarios will be touched on, along with architectural salvage and appropriate material reclamation as well as potential health and safety issues. The following will be examined:

- Life cycle of buildings and materials
- Feasibility for re-use of building materials
- Adaptive and non-adaptive reuse scenarios
- Architectural salvage and appropriate material reclamation

About The Presenter:

Aaron Gould has over 20 years of international experience in design and construction, with an emphasis on health and durability. After several seasons in the trades, while guiding climbing and whitewater, he went on to lead and found design, construction, and consulting businesses. Aaron is currently enjoying his 10th year with VaproShield, of Gig Harbor, WA, heading up Sustainability globally. Examples from his project CV include experience on: mass timber structures, hospitals, hotels, high rises, mixed use, net zero developments, government facilities, art museums, historic restorations, schools/universities, and the occasional tree house. Recent speaking engagements include: University of Miami School of Architecture, Auburn University CLT Conference, RDH NE Mass Timber Symposium. He currently lives outside of Chattanooga, TN, with his undeservedly extraordinary wife and their wily children. Aaron's professional focus centers on fostering a spirit of collaboration with amazing people to achieve resilient, regenerative buildings. "If a building leaks, it is not sustainable." Aaron is a member of: Clemson University's WU+D, midfulMaterials, WMF, IIBEC, NIBS/BEC, ABAA, RAiNA, TV OS, Build ReUse, and Green|Spaces.

C1 - 23NWR201 - 1LU|HSW
Henry Taylor
Kawneer

Designing Facades to Maximize the Benefit of Natural Light

There are many studies that prove the many benefits of daylight, yet at the same time, daylight contains a large amount of heat. We review strategies to maximize the many benefits of daylight while preventing heat gain. A good strategy for managing daylight is essential to the success of all commercial projects.

About The Presenter

Henry has been with the Kawneer Company for 28 years. He started in sales working with commercial glass shops, developing and managing the Kawneer Architectural Services Team. Following the 5 years managing the commercial training department, he currently works with architects to educate them on glass and glazing issues, and trains commercial glass shops on properly fabricating and installing frames.

CSI 2023 Northwest Region Conference

Building for the Pacific Northwest

Education Series

CSI MT. RAINIER CHAPTER

Bellwether

Friday, May 5
Session 2: 10:15am - 11:30am

A2 - 23NWR106A - 1LU|HSW

Hargis Team:

Brian Cawley, PE, LEED®AP BD+C

Mike Baranick, PE, CEM®, CMVP®

Mark Humiston, PE, CEM®, GBE®

HARGIS

The 2021 Energy Code and Implications to the Built Environment

This presentation will discuss the highlights of the 2021 Washington State Energy Code (WSEC) and how the code will impact and influence future building design. Topics to be explored include all-electric building design, onsite renewables, resiliency, and load shedding strategies including demand response, thermal energy storage, and battery storage technologies. A comparison to other progressive codes (e.g. Seattle Energy Code, California Title 24, NYC energy conservation code) will also be discussed.

About The Presenters

With an average of 18 years industry experience, Mike Baranick, Brian Cawley, and Mark Humiston bring forth the perspectives of mechanical and electrical engineers with a strong understanding of energy codes and conservation strategies. They have partnered on well-attended presentations covering the 2018 Washington State Energy Code (WSEC), the Clean Buildings Standard, a 2020 Legislative Recap, and the 2021 WSEC. Their ability to translate progressive code updates into operational implications and strategic system planning has added value to multiple owners and architects in Washington State.

B2 - 23NWR301 - 1LU|HSW

WWU Panel Members:

Shanni Hanein, AIA Associate, LEED® Green Associate™
Perkins + Will

Beth Stroshane, CDT, CCS, LEED®AP
Applied Building Information LLC

Jesce Walz, Carbon + Circularity Research Lead,
Perkins + Will

AEI Representative

M.A.Mortenson Representative

Panel Discussion:

Pushing the Sustainability Envelopes

Western Washington University's new Kaiser Borsari Hall's Electrical Engineering and Computer Science Building is a breakthrough facility – it will be the first higher education STEM building to be tracking Zero Energy and Zero Carbon certification through Living Future Institute (ILFI) in the State of Washington. By utilizing a mass timber/CLT structure and designing to "smart building" standards as identified by the ILFI, the facility will significantly advance Western's vision to become the State's first carbon net neutral university campus.

Pursuing both Zero Carbon and Zero Energy Certifications, this will be a "living laboratory" that integrates Electrical & Computer Engineering, Computer Science, and the Institute for Energy Studies into a shared facility where students learn from their own building about innovative materials and energy technologies. Energy use is reduced by 82% and solar panels cover over 75% of the roof area to maximize the energy potential on the site. With a mass timber structure, the embodied carbon is reduced by 63% while enhancing the biophilia experience of the occupants. The commitment to a healthy planet extends to water and native plant landscaping with a 78% reduction of outdoor water use.

C2 - 23NWR202A - 1LU|HSW

Tim Schultz

Modern Mill

MODERN·MILL

Biophilic Design for All: Affordable, Low-maintenance Materials that Mimic Nature

Most architects understand biophilic design and agree with the concept of bringing the outdoors inside and the benefits this design offers our physical, mental, and overall wellbeing. In this course, the presenter will address the assumptions that hold back an effort to scale biophilic design and expand access to these life-changing and sustaining benefits. They will introduce a simulated-wood product that mimics nature and elicits that positive human response. Numerous design ideas and applications that exemplify economical and low maintenance solutions for any project type will be seen.

About the Presenter

Tim has been involved with building materials/construction for 15 years, with experience on the contracting/installation side, manufacturing, as well the assistance of the Architectural &Design community. Tim resides in Southern California in Oceanside with my wife and two young children.

CSI 2023 Northwest Region Conference

Building for the Pacific Northwest

Education Series

CSI MT. RAINIER CHAPTER

Bellwether

Friday, May 5
Keynote Speaker: 12:30pm - 1:30pm

23NWR401 - 1.0 LU|HSW

Susan H. Jones, FAIA,
atelierjones llc
Affiliate Associate Professor, University of Washington

The Emergence of Mass Timber in the U.S.

Susan Jones FAIA, founding architect of atelierjones describes a decade of her firm's work with mass timber, introducing a lower-carbon renewable material into our 21st century materiality. From design and construction of one of the first CLT structures in the US, a small family house from 2012-2015 to volunteer time from 2016-2019 representing AIA National on the International Code Council's AdHoc Committee to write new Tall Wood Building Codes for adoption into the 2021 Building Code Cycle in 2019, to the design and construction of Heartwood, the first Type IV-C project in the US, from 2019-2023, she will present an overview of the emergence of Mass Timber into the 21st century United States.

She will discuss the requirements expanding the allowed areas and height in Type IV construction, and explain why mass timber products can provide alternate construction methods that also aim to benefit our environment, economy, and health.

About The Keynote Speaker

Susan Jones is a Seattle architect and founder of atelierjones. She is driving new pathways within architecture, advancing new lower carbon, mass timber systems by designing and building prototypes at multiple scales, girded by her leadership in multiple international collaborations to create change at scale and insure rigor on multiple levels. Her solely woman-owned architectural firm, atelierjones, designs prefabricated single-family houses to prefabricated urban infill residential to large, middle-income residential buildings which specifically advance new building codes and correlative design detailing that Susan helped craft and guide through the ICC Tall Wood Building Code regulatory processes. Her prolific work over the last nine years to advance and restructure the carbon intensive construction industry towards lower carbon materials is an exemplary example for the role that architects can play to innovate at all scales, and urgently lower our carbon footprint. She regularly partakes in rich, cross-disciplinary dialogues from the local to the international to help understand and better promote sustainable forest practices and manages her own family-owned 140-acre forest.

A third-generation native of the Pacific Northwest, Susan grew up in Bellingham, Washington, and has raised her family in Seattle. Susan earned her B.A from Stanford in Philosophy, and her M.Arch from the Harvard GSD. She is licensed in multiple states, has been a visiting design critic at numerous universities, and is Affiliate Associate Professor of Architecture at the University of Washington. She was made a Fellow of the American Institute of Architects in 2010.

CSI 2023 Northwest Region Conference
Building for the Pacific Northwest
Education Series

CSI MT. RAINIER CHAPTER

Bellwether

Friday, May 5
session 3: 2:00pm - 3:15pm

A3 - 23NWR204 - 1LU|HSW
Bryce Given,
Vitro Architectural Glass

Vacuum-Insulated Glass: Benefits and Advantages in a Sustainable World

Attendees will be introduced to one of the highest performing types of residential/ commercial glazing. An analysis of key developments in technology are discussed so one can determine what technology may fit their project best. Finally, attendees will learn how Vacuum Insulating Glass can contribute to lowering building energy costs, reducing noise and creating a sustainable built environment.

About The Presenter

Bryce Given is the Architectural Manager for Vitro Architectural Glass in the Pacific Northwest and Western Canada, helping designers, architects, and contractors navigate the glazing selection process and this wonderful material's influence on energy performance, aesthetics, comfort, and connectivity. Bryce has been in the commercial construction industry for 17 years, 1/3rd of which has been spent representing float glass suppliers. Bryce is a member of The Board with the Washington Glass Association and appreciate and nuanced and holistic approach to glass selection.

B3 - 23NWR103 - 1LU|HSW
Grant Granger
McKinstry

Washington Clean Building Performance Standard

Washington building owners must comply with new Clean Buildings Performance Standards designed to reduce energy costs, fossil fuel consumption, and greenhouse gas emissions from commercial buildings. This complex legislation will have broad impacts for not only how facility owners track and manage their energy efficiency, but also for how they plan, design, build, and operate their facilities. This presentation will cover fundamentals of the regulation as well as individual new construction project considerations to better position new facilities for initial and ongoing compliance.

About The Presenter

As an Account Executive on McKinstry's Technical Services team, Grant works closely with building owners to develop and implement facility solutions that improve and maintain efficiency from construction through ongoing operations. Grant has helped numerous facility leaders in both the public and private sector understand the Washington Clean Buildings Performance Standard's short- and long-term implications for their portfolios.

C3 - 23NWR206A - 1LU|HSW
Keith Sanford, PE, CDT, CCPR
Specified Technologies, Inc
| Firestop

Firestop Specifications: What Architects Need to Know

According to the IBC, "…Construction documents shall be of sufficient clarity to indicate the location, nature and extent of the work proposed and show in detail that it will conform to the provisions of this code…as determined by the building official." Failure to properly to do so can jeopardize life safety and property and result in serious liability. This course is intended to provide architects and specifiers of firestop products and systems with the information and resources they need to meet the intent of the code. Being aware of the requirements for proper firestop specifications and drawings during the design phase cannot be overstated. Fully understanding the unique challenges of proper specification are critical to avoid costly changes, delays, and liability downstream.

About The Presenter

Keith Sanford is a Senior Field Engineer with Specified Technologies Inc. (STI) who works primarily with design professionals to make the specification of firestopping easier and code-compliant and reduce clients' liability through education and consulting.

Keith is a PE (Professional Engineer) who believes in the importance of firestopping, a belief that solidified after a personal experience during the legal aftermath of a major fire.

For over 30 years, he has worked for two of the largest firestop manufacturers in the world, both domestically and abroad, in positions including sales, field engineer, technical service manager, product manager, global marketing manager, and director of business development. These roles took him throughout the US and Canada, Europe, Australia, the Middle East, India, and the Pacific Rim.

Keith holds a degree in Civil Engineering from Valparaiso University and an MBA from the Meinders School of Business at Oklahoma City University. He was a founding member of IFC (International Firestop Council) and served 2 years as President. He is a member of CSI and achieved both CDT and CCPR certifications.

CSI 2023 Northwest Region Conference
Building for the Pacific Northwest
Education Series

CSI MT. RAINIER CHAPTER

Bellwether

Friday, May 5
Session 4: 3:45pm - 5:00pm

A4 - 23NWR208 - 1LU|HSW
Scott Breneman, PhD, PE, SE
WoodWorks

Mass Timber Construction: Products, Performance, and Design

Due to their high strength, dimensional stability and positive environmental performance, mass timber building products are quickly becoming materials of choice for sustainably minded designers. This presentation will provide a detailed look at the variety of mass timber products available, including glue-laminated timber (glulam), cross laminated timber (CLT), nail laminated timber (NLT), heavy timber decking, and other engineered and composite systems.

Applications for the use of these products under modern building codes will be discussed, and examples of their use in U.S. projects reviewed. Mass timber's ability to act as both structure and exposed finish will also be highlighted, as will its performance as part of an assembly, considering design objectives related to structural performance, fire resistance, acoustics, and energy efficiency. Other topics will include detailing and construction best practices, lessons learned from completed projects and trends for the increased use of mass timber products in the future.

About The Presenter

Dr. Breneman is a licensed Structural Engineer and Professional Engineer in the State of California, a PE in the State of Washington. He received bachelor's and master's from the University of Florida and a doctorate from Stanford University. Scott has experience with structural design, seismic rehabilitation, and peer review of projects varying from single-family homes to high-rise hospitals. He is Past-President of the Structural Engineers Association of Central California, active in many design and manufacturing standards committees, and co-author of The Analysis of Irregular Shaped Structures: Wood Diaphragms and Shear Walls. At WoodWorks, he is a Senior Technical Director and Mass Timber Program Manager providing support and education to project teams and overseeing the development of technical educational content.

C4- 23NWR108 - 1LU|HSW
Clay Goodrich,
Floodproofing.com

Floodplain Design, Construction, and Impacts on Flood Insurance

This course provides insight into the importance of proper foundation flood vents and dry floodproofing techniques for buildings located in a flood zone. It will identify FEMA Technical Bulletins 1, 2, and 3, the National Flood Insurance Program, ASCE 24-14, ICC, and Building Code regulations and standards as they relate to sustaining foundations and overall business continuity in flood hazard areas. The course will also analyze the role of building compliance in securing lowering flood insurance rates and what mitigation solutions are available for both residential and non residential structures.

After the course, participants will have a thorough understanding of floodproofing options and the important role they play in designing a sustainable structure.

About The Presenter

As a Flood Mitigation Specialist, I provide expertise and product solutions for hazard mitigation, disaster preparedness and floodplain construction design, as well as the impact these solutions have on flood insurance premiums.

As an AIA/ICC Preferred Education Provider I present continuing education programs for CEU/PDH credit for all parties involved in floodplain design, build, and habitation. I consult with a wide variety of professionals, including Architects, Engineers and Code Officials, on how to analyze the role of FEMA and NFIP regulations found in existing IRC/IBC codes. Shedding more light on floodplain design and construction regulations helps developers, communities and property owners mitigate flood risk, lower flood insurance cost and alleviate long term economic loss.

CSI 2023 Northwest Region Conference
Building for the Pacific Northwest
Education Series

CSI MT. RAINIER CHAPTER

Bellwether

Conference Highlight:
Friday, May 5 Dinner
Guest Speaker:

"Tami Michaels, Inside Out"

As Featured on:
Saturdays 10am – Noon
KNWN News radio AM/FM

TAMI MICHAELS inside out

Tami Michaels is the #1 lifestyle and home improvement expert in the Pacific Northwest. Tami Michaels Inside Out is the highest rated Home & Lifestyle radio show in the Pacific NW. Tami's dynamic personality creates a show that is entertaining, humorous and uniquely informative for her audience. Tami is a licensed General Contractor with +25 years in diverse interior design. Her program covers a wide range of programming, including the latest design trends, 'how to' info, innovative home & lifestyle products and services, pets and more.

Tami is the exclusive Home & Lifestyle expert regularly featured on Seattle's ABC affiliate; KOMO 4 TV's award-winning 11:00 AM News. Tami owns Sound Kitchen and Bath, a successful design and remodeling company. She also owns Michaels Development, a full-service advertising agency that helps many companies with creative and successful ad campaigns, focusing on broadcast and digital media. She has a large digital and social media presence. As if she wasn't busy enough, Tami has launched her latest company, Pet Decorator®, which features pet friendly flooring and accessories. Tami developed and received a US patent for the extraordinary finish on her natural wood floors. To make all this possible, Tami Michaels is hard working, an innovator, and is dedicated to pursuing her dreams.

Giving back has always been important to Tami Michaels. She recently served on the USO NW Board, an organization she has helped raise +$1.5M for and built out the Ft. Lewis USO Center. She has actively supported many other causes, such as the Wounded Warriors, Rally Point 6, Humane Society, Gilda's Club, PAWS, and several battered women and homeless shelters to name a few.

Saturday, May 6
Session 5: 8:15pm - 9:30am

A5 - 23NWR102 - 1LU|HSW
Aaron Gould
VaproShield

Re-Solutions Part II: Sustainable Solutions and Hygrothermal Principles for Existing Buildings
This live presentation will examine which strategies are best for different structures and situations. If a building leaks, it is not sustainable. Therefore, good design and detailing are critical. The following will be examined:

- Why a leaky building is not sustainable
- Best practices for design and detailing
- Examples of successful wall and roof assemblies
- Factors which hedge successes and minimize pitfalls in implementing reuse strategies

About The Presenter
Aaron Gould has over 20 years of international experience in design and construction, with an emphasis on health and durability. After several seasons in the trades, while guiding climbing and whitewater, he went on to lead and found design, construction, and consulting businesses. Aaron is currently enjoying his 10th year with VaproShield, of Gig Harbor, WA, heading up Sustainability globally. Examples from his project CV include experience on: mass timber structures, hospitals, hotels, high rises, mixed use, net zero developments, government facilities, art museums, historic restorations, schools/universities, and the occasional tree house. He currently lives outside of Chattanooga, TN, with his undeservedly extraordinary wife and their wily children. Aaron's professional focus centers on fostering a spirit of collaboration with amazing people to achieve resilient, regenerative buildings. "If a building leaks, it is not sustainable." Aaron is a member of: Clemson University's WU+D, midfulMaterials, WMF, IIBEC, NIBS/BEC, ABAA, RAiNA, TV OS, Build ReUse, and Green|Spaces.

B5 - 23NWR305 - 1LU|HSW
Dan Quatier
Interior Tech

Heated Challenges: Fire and Life Safety / Egress Lessons Using Actual Case Studies
This seminar is a one-hour course covering many of the most common design challenges regarding fire / life safety and egress. Case studies will be used from built projects, showing creative and safe solutions. We will look at design possibilities that solve code issues yet still have the design be open, and still safe for occupants. New products in the market will be discussed and evaluated. Different building occupancies will be covered.

About The Presenter
After Dan graduated with degrees in Construction Management and Architecture, he worked in Spokane as a project engineer for Hoffman Construction for 3 years. He spent the next 21 years with Baugh Construction / Skanska. Dan served as Baugh's Oregon Division President and after Skanska acquired Baugh Construction, he served as Chief Operating Officer of Skanska-Western Region. During this time he also headed up Skanska's national Injury Free Workplace initiative and the national Skanska University training program. Earning a Master's Degree in Fire Protection Engineering from Cal Poly-San Luis Obispo, Dan loves working with the design community and assisting with providing solutions to complex fire and life safety challenges. In 2005 Dan had the opportunity to purchase InteriorTech and is co-owner with his partner, John Ledesma. Dan spends his time focusing on the fire/life safety side of the business and our new markets. Interior Tech is a 75-year-old specialty contractor with offices in Seattle, Portland, Spokane, Vancouver B.C., and Billings, MT.

C5 - 23NWR305 - 1LU|HSW
Margaret Fisher
AWI

Designing with Hardwood Veneer
This program will provide technical information on planning and specifying interior wall and fixture surfaces with hardwood veneer, including production, slicing methods and specification, grain and figure and how they affect your design, grade requirements, availability in LEED projects, PNW species, and more. A visual slide show will illustrate the factors that affect the project. The program will reference Architectural Woodwork Standards, current edition.

About The Presenter
Honorary Lifetime Member of the Architectural Woodwork Institute, Margaret Fisher has been involved in the custom woodwork industry for 48 years. Recognized as an industry leader, she has served as President and Vice President of the AWI Wisconsin Chapter and served on the AWI National Board of Directors twice. Margaret became a staff member of the Architectural Woodwork Institute in March, 2017. Wood & Wood Products Magazine featured her as a 2010 Market Leader. A past recipient of the Claude Twillenmeier award, she has also served on the Sustainable Resources Think Tank and Education Planning Committee. As AWI's most prolific speaker, thousands of design professionals and contractors all over North America have attended her educational programs on Woodwork Quality Standards, Cores, Veneering, Moldings, Finishes, Using Wood in a LEED® project and how to overcome your fear of speaking which she has been authoring and instructing since 1997. Woodworkers have listened to her 12-part podcast series on Using Wood in a LEED project and attended her trainings. Margaret Fisher is now the Communications Outreach & Relations Strategist of the Architectural Woodwork Institute and is the go-to girl for CSI/AWI Connections.

Saturday, May 6
Session 6: 10:15am - 11:30am

A6 - 23NWR105 - 1LU|HSW
Beth Stroshane, CDT, CCS, LEED®AP
Applied Building Information LLC

Specify Embodied Carbon Reduction

Embodied carbon reduction is coming to a project near you! The Inflation Reduction Act will invest billions in low-carbon buildings and more owners are listing embodied carbon as a goal for their projects. If you understand the details of those goals, it's possible to navigate the process gracefully. If you don't, the amount of churn caused by them is astronomical. Come and learn from the pain and suffering of others.

About The Presenter

Beth is founder and Managing Partner of Applied Building Information LLC (ABI). She passed the CSI's Construction Documents Technologist exam, is a Certified Construction Specifier, and LEED Legacy-accredited. Beth was one of the authors on the team that developed specifications language, instructions, and a matrix for Building Transparency's ownersCAN Embodied Carbon Action Plan. She's now completed two projects that required embodied carbon as a performance criteria.

Beth presents nationally to the specifications community on topics including BIM and specifications, material transparency, and the evolving profession of specifications writing. She is also an active volunteer with the Lean Construction Institute (LCI) and the Construction Specifications Institute (CSI). She served as the CSI Puget Sound President (2014-2015) and is currently the NW Region Secretary and Treasurer (2022 to current).

B6 - 23NWR104 - 1LU|HSW
Tamara Allen
Wind NW

Beyond ADA: Multigenerational Public Restroom Design

This course will review how not only meeting but also exceeding the guidelines set forth in ADA standards, can help facilities cater to more age-diverse popultaions, which may include children, their parents, the elderly and bariatric users. Relevant solutions include products and layouts that exceed minimum ADA requirements, easily operable and touchless accessories, and childcare accommodations.

About The Presenter

Tamara has been with Wind Northwest since 2016. She brings 30 years of experience in manufacturing and the construction industry from production control in medical and aerospace to project management for residential housing and regional sales management in flooring.

She is currently the Architectural Consultant for Wind Northwest and spends her days educating architects and designers on products and code compliance in an effort to provide the right products for their projects.

Tamara also provides continuing education for architects and designers on building codes, fire codes, multi-gen and multi-cultural design as well as sustainability.

C6 - 23NWR306 – 1LU
Aaron Weaver, Regional Sales
Avery Pellett, Managing Principal
MultVista

Laser Scanning & Emerging Technologies

This course is an exploration of how technology is changing the way projects are managed. Attendees will hear how laser scanning is used for reality capture and photo documentation in construction, why it is important, and how it is used.

About The Presenters

Aaron Weaver is the Regional Sales Manager at Multivista Seattle. He graduated from Central Washington University in 2022 with a Bachelor of Science (Project Management specialization) and a minor in business tech. Growing up in Stanwood WA, he worked in the construction and aviation industry as a concrete foreman, ironworker, framer, and Laborer. Aaron has been with Multivista for 2 years, and since has consulted with hundreds of developers, contractors, and architects about reality capture and helped improve upon their processes.

Avery Pellett is the Managing Principal/Owner of the Washington market for Multivista. He joined Multivista as a Business Development role and bought the business from the previous owners in July 2020 becoming an Owner in the Multivista system for Washington state. He has worked on high-rise building projects, Sound Transit Light Rail, K-12, higher education, and medical developments. Each vertical has its own unique need for reality capture and it has been amazing being a part of a transforming construction market. Avery strives to share his excitement with technology as it continues to push construction in the right direction.

Saturday, May 6
Session 7: 1:00pm - 2:15am

A7 - 23NWR203 - 1LU|HSW
Phil Zeutenhorst
Lacey Glass

Daylighting Basics: Deisgn from Concept to Completion

This course covers many different product options centered around proper daylighting techniques. Attendees will learn about choosing the right products to keep projects on time and within budget, and understand the importance of making daylighting a priority from the first steps of design, through the completion and commissioning of the building.

About The Presenter

With more than 42 years in the glazing industry, Phil guided his company into passive solar design and installation in the early 1980's and have developed a passion for green building and innovative design and products. Phil spent 30 plus years in the field as well as the last 15 years assisting architects and contractors with design and implementation of many award winning daylighting projects throughout the Pacific Northwest.

B7 - 23NWR107 - 1LU|HSW
Josh Castle
Director of Advocacy & Community
Engagement Low Income
Housing Institute

Tiny Houses for Unhoused Neighbors: An Innovative Solution to the Homelessness Crisis

This presentation will provide some history and guiding principles of LIHI, and an overview of LIHI's permanent affordable housing, transitional housing, tiny house villages, Urban Rest Stop hygiene centers, and other programs. Also provided will be an overview of the variety of supportive services provided to residents and clients in our programs and how these services have helped tiny house villages to be the most successful shelter program at transitioning people into permanent housing, along with how we successfully engage with and form partnerships with communities, providers, faith organizations, and governments to support our programs.

About The Presenter

Josh Castle has worked for the Low Income Housing Institute for 7 years and is the Director of Advocacy and Community Engagement. Josh was born and raised in Seattle and graduated from UW with a Social Sciences Bachelor's Degree. At LIHI, he conducts education and outreach about tiny house villages and other LIHI programs with communities, governments, faith organizations, businesses, donors, the media, and others, and organizes local and state efforts to advocate for programs, legislation and funding that benefits people experiencing homelessness. He comes from a political organizing background and received the Rising Star of the Year Award at the Warren G. Magnuson Dinner in 2013. He lives just south of Seattle in Tukwila with his husband Jassem and is a member of the Seatac-Tukwila Rotary Club.

C7 - 23NWR307 - 1LU|HSW
Shaun Katz
Detec

Electronic Moisture Leak Detection Testing, Standards, Science and Practical Applications

This one-hour course will cover Electronic Leak Detection (ELD) testing methods used for quality assurance of roofing and waterproofing membranes. Participants will learn about the principles outlined in the ASTM Standard Guide D7877 and ASTM Standard Practice D8231 and will be able to identify which assemblies are compatible with electronic testing and active monitoring.

About The Presenter

Shaun Katz has been with Detec Systems for 7 years and has over 20 years of experience in customer service, sales and business administration.

Shaun has assisted contractors, architects, engineers and consultants, manufacturers, facility managers and building owners with forensic leak investigation, as well as leak detection testing in new construction. He has performed presentations and demonstrated ELD throughout the world, and won the 2020 Presenter of the Year Award from the Chicago chapter of IIBEC.

His goal is to provide a basic understanding of Electronic Leak Detection and to assist design teams with ensuring valid and conclusive ELD.

NW REGION CONFERENCE

Thank You to all Our sponsors

CSI 2023 Northwest Region Conference

Building for the Pacific Northwest

Restaurants in Bellingham

CSI MT. RAINIER CHAPTER

Bellwether

Restaurants

Lighthouse Bar and Grill (in Hotel Bellwether)
1 Bellwether Way, Bellingham, WA 98225

Anthony's Hearthfire Grill
7 Bellwether Way, Bellingham, WA 98225

Lombardi's Italian Restaurant
21 Bellwether Way, Bellingham, WA 98225

Anthony's Squalicum Harbor
25 Bellwether Way, Bellingham, WA 98225

Web Locker Restaurant
734 Coho Way, Bellingham, WA 98225

Nicki's Bella Marina
2615 S. Harbor Loop Drive, Bellingham, WA 98225

Kuru Kuru Sushi
11 Bellwether Way, Bellingham, WA 98225

Bayou on Bay
1300 Bay St, Bellingham, WA 98225

Black Sheep
211 W Holly St, Bellingham, WA 98225

YunGaNe
1204 Cornwall Ave, Bellingham, WA 98225

Cafe Akroteri
1219 Cornwall Ave, Bellingham, WA 98225

India Grill
1215 Cornwall Ave, Bellingham, WA 98225

Bellingham Cider Company
205 Prospect St STE A-105, Bellingham, WA 98225

ABCrepes
1311 Railroad Ave, Bellingham, WA 98225

Little Cheerful
133 E Holly St, Bellingham, WA 98225

Boundary Bay Brewery
o1107 Railroad Ave, Bellingham, WA 98225

Cafe Rumba
1140 N State St, Bellingham, WA 98225

Aslan Brewery
1322 N State St, Bellingham, WA 98225

Cafes and Bakeries

Bagelry
1319 Railroad Ave, Bellingham, WA 98225

Avenue Bread
1313 Railroad Ave, Bellingham, WA 98225

Woods Coffee
1135 Railroad Ave, Bellingham, WA 98225

Great Harvest
305 E Magnolia St, Bellingham, WA 98225

Drinks

Artivem Mead Co
1211 Granary Ave #127, Bellingham, WA 98225

Red Rum
113 E Magnolia St, Bellingham, WA 98225

The Racket: Pinball
The Orion: slightly nicer with constellation theming

Dessert

Cryo Rolls
1207 Granary Ave suite 150, Bellingham, WA 98225

Chocolate Necessities & Gelato
205 Prospect St STE A-105, Bellingham, WA 98225

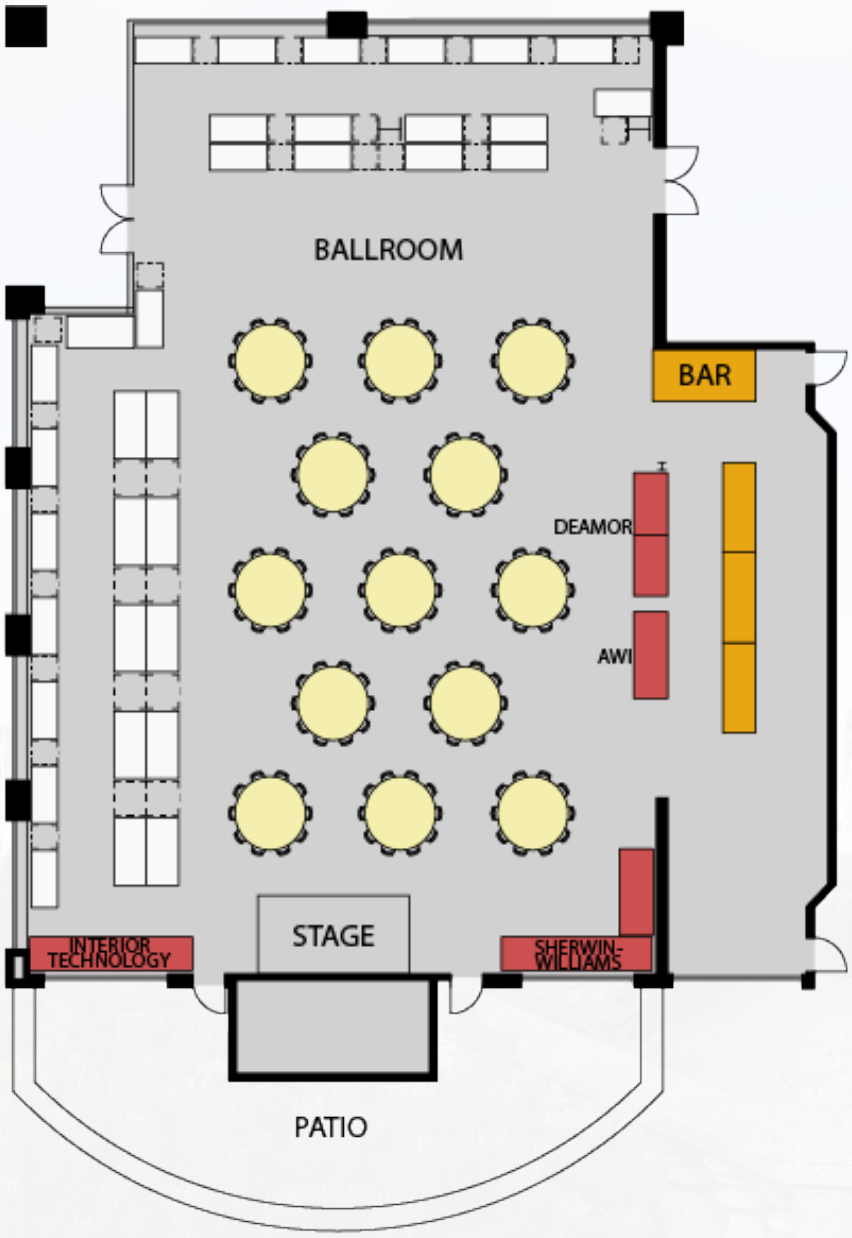
Pure Bliss Desserts
1424 Cornwall Ave, Bellingham, WA 98225

Mallard Ice Cream
1323 Railroad Ave, Bellingham, WA 98225

CSI 2023 Northwest Region Conference

Building for the Pacific Northwest

Ballroom Showroom



Tabletop Venders

- Sherwin-Williams, Paul Mathews
- Interior Technology Inc., Dan Quatier
- AW, Margaret Fisher
- DeaMor, Jody More
- Ardex Americas, Don Richards
- ASSA ABLOY Opening Solutions, Eric Camin
- Conspectus, Inc., Melody Fontenot
- Custom Metal Contracting, Russell Harrison
- Detec Systems, Shaun Katz
- DormaKaba, Kristin Schmidt
- Dri-Design, Inc., Bryan Ninneman
- Duro-Last Roofing, Troy Jenison
- Evonik, Robert Hale
- Exterior Product Solutions, Cody Hakala
- Flood Proofing, Robert Fisher
- GypSorb / PolySorb LLC, Kenneth Huber
- Henkel / OSI, Rob Worthington
- Hoover Treated Wood Products, Inc., Frank Stewart
- IMETCO, Jon Granara
- Kingspan Light + Air, Howard Holko
- Lacey Glass, Phil Zeutenhorst
- NorthClad, Tim Meek
- Pentco industries, Paul Avidone
- PPG, Olivia Diaz
- Masonry Institute of Washington, Bridget Dodge Resysta Northwest, Gary McGillivray
- Rodda / Cloverdale Paint, Jeff McIntyre
- STI Firestop, Keith Sanford
- TRA Snow and Sun, Mindy Dahlquist
- VaproShield, Mark Monroe
- Velux America LLC, Joan Schaefer
- Wind Northwest, Tamara Allen
- Window Tech, Hugh Johnson
- WR Meadows, Bryon Allen

CSI 2023 Northwest Region Conference
Building for the Pacific Northwest

Tabletop BINGO

CSI MT. RAINIER CHAPTER

Bellwether

Player Name: _____

Detec systems	Evonik Leading Beyond Chemistry	CMC	Conspectus	GypSorb Architectural Sound Management	AWI Architectural Woodwork Institute
Window Tech Inc.	Roddo Paint Commercial Industrial Residential	Sherwin-Williams	Masonry Institute of Washington	dormakaba	NorthClad High Performance Architectural Cladding Systems
W.R. Meadows	Allegion Pioneering Safety	RNW Distribution	CSI Mt. Rainier Chapter	Hoover Treated Wood Products, Inc.	IMETCO Performance Inspired Solutions
Wind Northwest	DeaMor	Pentco	Ardex Americas	STI Specified Technologies Inc.	Duro-Last The World's Best Roof
Floodproofing.com	Velux Commercial	interiorTech	ASSA ABLOY	Kingspan Light+Air	Exterior Product Solutions
OSI Tougher than the Elements	dri-design Wall Panel System	PPG	VaproShield	TRA Snow & Sun	Lacey Glass The Smart Choice in Daylighting Systems
NW Region Immediate Past President: Erica Bitterman-Ryon, CSI	Mt. Rainier Chapter President: Mary Ann Shepherd, MA, CSI	NW Region Treasurer/Secretary: Beth Stroshane, CSI, CCS, CDT, LEED AP	NW Region President: Eric Camin, CSI	NW Region Director: Ellen Onstad, CSI, CDT	NW Region Director-Elec: Georgia Spencer, CSI, CDT

Visit at least 20 the table top Sponsors or the Executive Council and have them sign their logo for a chance to win a prize during the awards party Saturday, May 6!
Turn in Bingo by 3:00 PM Saturday to the Registration Desk near the Hotel Lobby.
Make sure to Sign the top of the page to Qualify!

BUILD BETTER WITH CSI MEMBERSHIP

CSI members are essential to the creation of the built environment.

> *CSI is a support network. CSI is a set of resources. CSI is a set of contacts. It's a community of likeminded individuals that are trying to reach the same goal. And the goals that we're all trying to reach is to try to get it right, be that design, be it construction, be it manufacturing, we're trying to do it better.*
>
> –*Kathryn Marek, CSI®, CCCA®, CDT®, Principal, KM Architectural Consulting, PLLC*

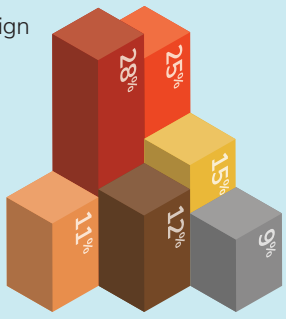
Connect. Engage. Advance. Join.

Membership meets you where you are and where you're going as a project delivery professional. You're part of a community that elevates your profession and innovates across all aspects of the industry.

CSI Members

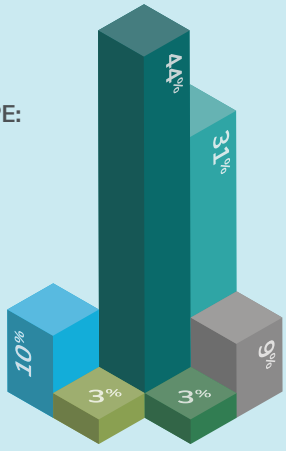
OCCUPATION:

- Architecture, Design
- Building Product Manufacturers
- Construction and Contracting
- Specifications
- Engineering
- Other



ORGANIZATION TYPE:

- Firms
- Manufacturing
- Contracting, Development and Management
- Academic and Association
- Government
- Other



Specifications are baked into every construction project, translating design into reality. And while "Specifications" is part of our name, CSI is a lot more than specifications – it's about construction communication, project management, and contract management for today's dynamic environment.

> *Learning the language of construction has made a huge difference to my career. That's why I've promoted the CDT certification program to every member of my teamever since.*
>
> –*Charles Bleakely, CSI, CDT, LEED AP, Specification Area Manager, PPG*

> *If I don't know the answers myself, I know someone at CSI who does. It's a very well-developed community.*
>
> –*Erica Bitterman-Ryon, CSI*

CSI®

Explore the power of your CSI membership.

GET AHEAD: FREE AND DISCOUNTED EDUCATION AND CERTIFICATIONS

Enjoy a broad mix of learning opportunities that cover everything from team roles and responsibilities to the interaction of products and materials on the job site. Plus, you'll get discounts on essential CSI industry certifications, training guides and exams that serve as the industry standard for excellence in the communication of construction and project delivery information.

GET CONNECTED: MENTORSHIP AND NETWORKING

CSI chapter experiences are unrivaled in expanding your professional growth. Whether you are an emerging professional seeking to grow your skillset and network, an experienced AECO searching for the answer to a client's question, or somewhere in between, you'll have support at both the national and local level.

GET INFORMED: ESSENTIAL INDUSTRY NEWS, TRENDS AND CASE STUDIES

Membership includes an informative mix of weekly news, exclusive and active online member community, and the monthly magazine, The Construction Specifier, highlighting the best in the industry.

GET EMPOWERED: STAY AHEAD OF CHANGING TECHNOLOGIES, CODES AND STANDARDS

Interested in being at the forefront of industry game-changers? CSI is your conduit to information on 5D Building Information Modeling (BIM), modular construction, design-build delivery methods, augmented and virtual reality (AR/VR) and 3D building.

GET SUPPORTED: THE RESOURCES YOU NEED ARE AT YOUR FINGERTIPS

You'll have exclusive access to MasterFormat online and discounted professional reference books, as well as the groundbreaking Specs 101 virtual series on specifications coordination.

© 2022 Construction Specifications Institute
Rev 5/22

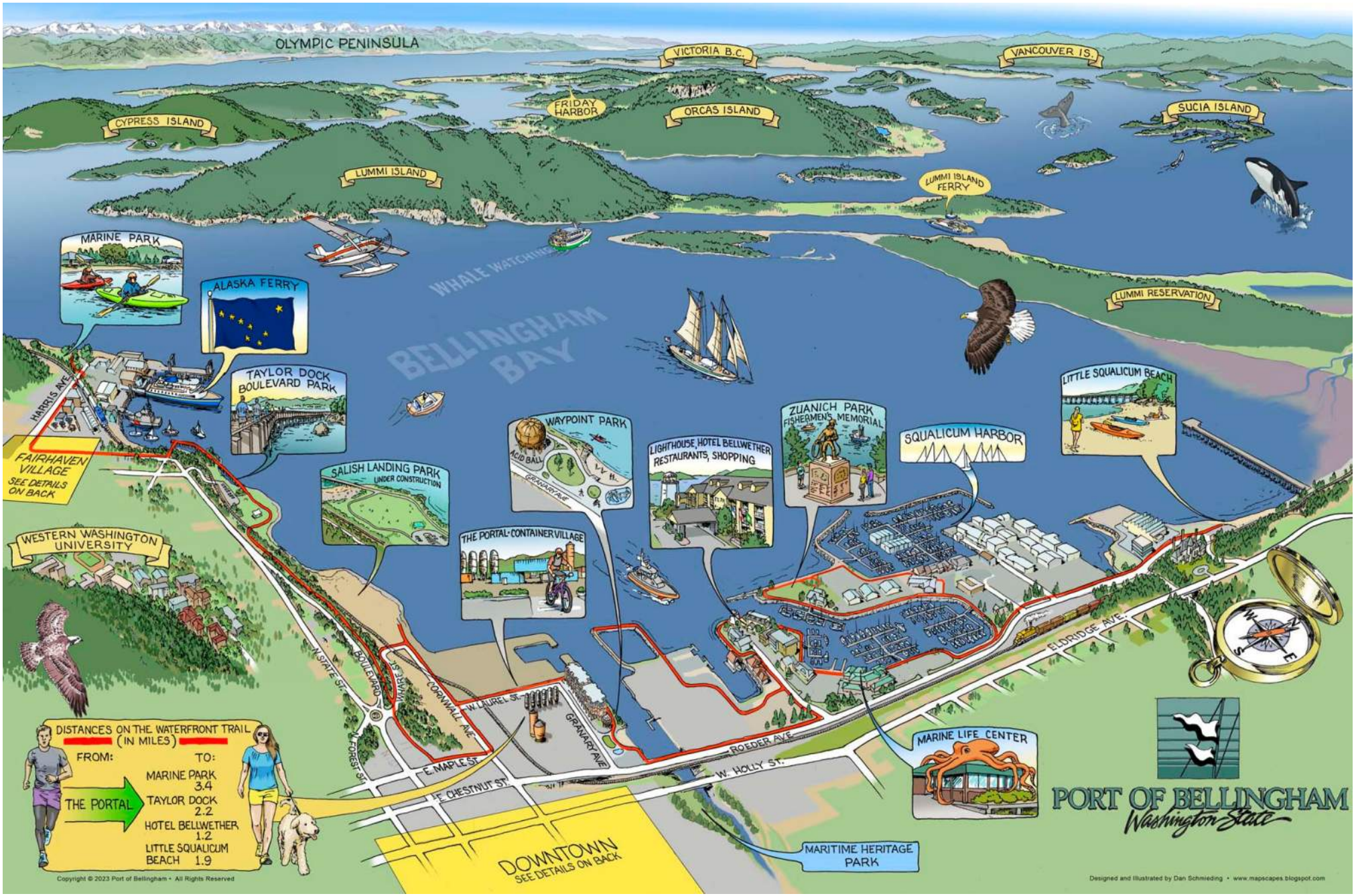
Come to CSI and learn how to deliver a project.

WHEN YOU'RE A MEMBER OF CSI, YOU HAVE THE TOOLS TO SOLVE CLIENT CHALLENGES AND THRIVE IN YOUR CAREER:

- Deliver better projects
- Supercharge your specifications knowledge
- Build your documentation confidence
- Demystify project delivery
- Boost your credibility.

CSI®

CSI MEMBERS MAKE AN IMPACT.
They're equipped to bring projects to life, lead the industry, and move us toward a future that is technologized, diverse, and global. Join us today.



Copyright © 2023 Port of Bellingham • All Rights Reserved
Designed and Illustrated by Dan Schmieding • www.mapscapes.blogspot.com

RESTAURANTS

Lighthouse Bar & Grill
(located inside Hotel Bellwether)
Seafood & *Pacific NW Cuisine*

Anthony's Hearthfire
Seafood & Pacific NW Cuisine

Kuru Kuru
Sushi

Lombardi's
Italian

Anthony's Homeport
Seafood & Pacific NW Cuisine

The Loft
American Fare

TO GET TO THE BALLROOM FROM PUBLIC PARKING GARAGE, TAKE ELEVATOR LOCATED AT GOLD WALL TO 1ST FLOOR.

HOTEL BELLWETHER
LIGHTHOUSE BAR & GRILL
ON BELLINGHAM BAY