



SUMMER SPECTRUM

Newsletter of the Puget Sound Chapter CSI - July 2020 - VOL 79

New in this Issue:

- New Board of Directors
- **Sponsors!**
- Member Spotlight
- Puget Sound - OP-ED Articles from our Community
- Contributors!

In this Issue:

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| • Save the Dates | • President's Sponsor | • BOD Meeting Minutes |
| • Online Event Spotlight | • Member Spotlight | • Chapter Leaders |
| • Event Schedule Changes | • OP-ED Articles | • CSI and Affiliate Webinar Events |
| • Product Spotlight | • Sponsorship Opportunities | • Distance Learning At-Large |
| • 2020-2021 Season Calendar | • Technically... | |

Contributors:

Articles:

- **David Landrey**, CSI, CDT, LEED AP - *The Hidden Cost of Submittal Requirements*
- **Beth Stroshane**, CCS, LEED AP - *2020-21 Request of Members*
- **The Rafn Company** - *Congregations For The Homeless*

Graphics:

- **Lia Alia Wollard**, CCS, CSI, RA, NCIDQ - *The Hidden Cost of Submittal Requirements*

COVID-19:

PSC CSI is committed to the safety of our members. As a result, in-person meetings will be rescheduled for a later date and/or will be moved to an online format. Please view Upcoming Events below for more information about each event change. We hope you're all staying healthy and safe.

JULY SPECTRUM SPONSOR



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Special Announcement - Save the Date



CONSTRUCT
AEC EDUCATION & EXPO

OCTOBER 7 - 8, 2020
VIRTUAL EXPERIENCE

CONSTRUCT 2020 HAS GONE VIRTUAL!

Special Announcement - Save the Date

This fall, brought to you by Cherise Lakeside and



Construction Document Technologist via ZOOM CDT Education Program

AUGUST 12 - OCTOBER 21, 2020
5:00 PM - 7:00 PM PT

10 CLASSES
COMPREHENSIVE COURSE

COST: \$150.00

OPEN TO ANYONE IN THE COUNTY, REGARDLESS OF MEMBERSHIP

Registration Available Soon on the [Portland CSI Website!](#)

PSCCSI Online Event Spotlight

Web-Hosted Chapter Meetings to resume in September.

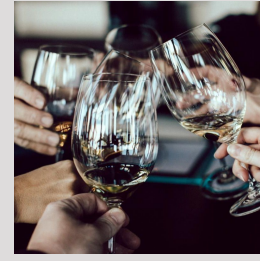
Event Schedule Changes



POSTPONED - Date TBD
[Kick Some Axe!](#)
[Networking Event](#)



RESCHEDULED
[September 28, 2020](#)
[ProSpec](#)



POSTPONED - Date TBD
Puget Sound CSI
Awards Ceremony
[More Info Coming Soon!](#)

SUMMER PRODUCT SPOTLIGHT



Brad Glauser
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- Fully captured and butt-glazed wall applications.
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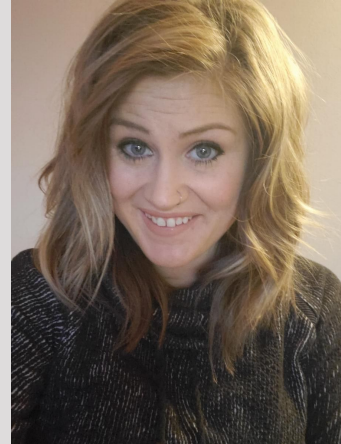
2020-2021 Season Calendar

Stay Tuned! As Washington State moves through phasing, PSCCSI will respond accordingly and will keep membership informed of post-summer plans as they are made.

President's Message

April Stokesberry, PSC CSI President

I want to start off by saying how excited I am to be leading you all through the 2020-2021 season! For those of you who I have not yet had the pleasure to meet, I am April Stokesberry. I work as an Architectural Liaison with Duradek Northwest and have been an active member of the Puget Sound Chapter of CSI for 3 years now. I love to laugh, sing karaoke, and make sure those around me are having as good a time as I am.



These last few months have been a real roller coaster and I want to take a moment to recognize Melissa and the rest of the Board of Directors for their success in adapting to needs of social distancing and pulling together so many virtual opportunities to stay connected during this pandemic. Because of their hard work, the transition in leadership has been easier than expected and I am profoundly grateful. They have left us with great building blocks for this coming year as we move forward into a season unknown.

I would like to welcome our new Board (we have a great team for this year), and I am excited to hear everyone's ideas to create another educational, successful and fun year! As your new President, what am I most passionate about? Students and the Emerging Professionals who are just beginning their lives in the construction world. While attending CONSTRUCT2019 in Washington D.C., I heard young professionals, over and over in multiple conversations, who told me how much it would have benefited them in the beginning of their careers, had they just known earlier about CSI. I knew immediately that I needed to do something about that.

This coming season I am hoping to enlist a team to visit different colleges and universities quarterly to share about CSI and invite students to attend our meetings and to become a part of our CSI family. If these schools remain on hiatus, we will find another way besides a campus visit to track them down. Another improvement this season will be the addition of a monthly education program separate from the CSI Chapter meetings. Spreading the knowledge you have attained over your years in this industry to those coming in is a gift not many can give without the framework and support of an organization like CSI. We all can benefit from that exchange.

I would like to thank you all for your continuous support to our chapter this season as we continue in uncharted territory. We are all in this together, and together we will make this a season to remember!

I look forward to seeing you all soon.

PRESIDENT'S SPONSOR



Contact April, your local Architectural Liaison for the Single Source Solution to your Waterproofing & Railing needs.

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April Stokesberry, CSI | c. 253.334.1884

april@duradeknorthwest.com

[Click here for Architectural Resources!](#)

July Member Spotlight

Carrie Gerstenberger
Puget Sound CSI Director

Membership: Since Dec 2018

Bio:

With a background in interior design, I have had the pleasure of designing for firms including Perkins and Will, ZGF, NBBJ, and currently, Bassetti Architects. While a designer, I enjoyed working directly with clients such as Alaska Airlines, REI, Google, F5 and Children's Hospital. Collaborating with these clients was incredibly rewarding. I felt inspired by the technical intricacies of building materials and the innovations in material science. In December 2018 I shifted my career from design to technical specification writing. The change was not a difficult decision as I am driven by continual learning opportunities and problem solving.



I earned my Construction Documents Technology (CDT) and WELL AP certifications in 2019. With these new certifications I was interested in pivoting out of commercial building design and into K-12. School design has the potential to positively impact lives and communities in a way unlike other building types. With bachelor degrees in both Cultural Anthropology (2010, Pacific Lutheran University) and Interior Architecture (2017, Cornish College of the Arts), I've been dedicated to researching and creating positive change in communities.

I joined [Bassetti Architects](#) in early 2019, a firm specializing in K-12 buildings and historic restoration. Bassetti's commitment to quality projects and sustainable research has continued to inspire my interests and values both professionally and personally. At Bassetti, I've had the opportunity to develop new processes to aid the communication and accessibility of specifications. Additionally, I introduced, and trained the firm, to use Avitru's e-SPECS specification software. The addition of this software has increased collaboration between designers and specifier, creating coordinated project manuals. I am continually working to integrate language into our firm's master specifications that help to lower our project's overall carbon footprint, as well as decrease environmental and social impacts from the materials we specify. To help promote these changes I have led firm-wide presentations and provided project-specific learning opportunities to teams. My goal as a technical specifications writer is to make product research and development more accessible, and palatable, to those I work with. The opportunity to learn about materials and

building science originally attracted me to specification writing, and will keep me invigorated for decades to come.

Why I said yes to being a Director:

The way to create change and progress is through participation and continuous effort. When the opportunity arose for me to contribute to my profession through a Director's role, I was honored to be considered. Accepting this responsibility will allow me to participate in enhancing communications and expanding learning opportunities for our professional community in Seattle. Working on this regional team, dedicated to promoting conversations to diversify knowledge and aid professional connections, will be a pleasure and a challenge. I look forward to my contribution.

Puget Sound - OP-ED Articles from our Community

The Hidden Cost of Submittal Requirements

David Landrey, CSI, CDT, LEED AP, 2015-16 PSCCSI President

Your company has just landed a mega-sized master campus refurbishment project. The project has the potential to transform your company and exceed growth projections for the next 5 years. The "sales part" is over and you've hit pay dirt. Now it's time to do what you do best: Execute...manufacture, supply, and engineer your craft to perform as intended with your products.

What manufacturing or distribution CEO wouldn't want that growth piece locked in and guaranteed? You and your project team are the conquering heroes and looking forward to a chance to make some money. Congratulations. But be careful what you wish for.

THE SITUATIONAL LANDSCAPE

Code compliance, chemical red lists, source origination and Buy American declarations, third-party testing validations, Certificate of Compliance with specification, EPDs... all converging at a time when the A/E/C industry attempts to re-imagine the construction process with new materials, construction methods, contract delivery structures, and a backdrop of material shortages. Not to mention the implications of the post-COVID-19 building environment.

THE BIGGEST DRAG COEFFICIENT ON CONSTRUCTION PRODUCTIVITY MAY BE THE HIDDEN COST OF SUBMITTAL COMPLIANCE AND DOCUMENT COMPILATION.

The RFI mushroom cloud was daylighted long ago, with local studies estimating each RFI to cost \$700-\$1000 in billable hours. Kyle Richardson of OAC Services, Inc. says, "We just estimated the most streamlined response times and estimated 15 minutes per touch on the RFI with a billable rate of \$100-\$150/hour, per typical contract. Of course, then there's the really ugly RFIs that result in legitimate change orders. That was not included in the cost of typical RFIs."

According to the productivity challenge [highlighted by the McKinsey study a few years ago](#), greater change is clearly needed. Our productivity gains are the lowest of all major industries. The argument that the buildings of today are not the buildings of 20 years ago is hedonic economics, at best. The hard truth is that we are behind.

Change is not only needed to improve productivity, but also for a restorative future for the built environment, with most in our industry supporting these challenges. But, *change* does not always bring clarity. Often times, mass confusion is found between the bookends of an aspirational goal and the innovative solution.

“Often people ask for things that are just not available,” warns Bruce Chattin, Executive Director of Washington Aggregates & Concrete Association. “As a supplier and manufacturer, we just can’t keep chasing everything in the marketplace.” Recently, I faced the exact warning giving by Mr. Chattin. Even worse than knowing it's impossible to properly comply with the submittal request, is knowing somebody else may step in and fake it. In terms of the submittals, the Owner may end up with contorted information, tapestries of BS, or flat out false claims. In my practice, none of those options will work.

COSTS

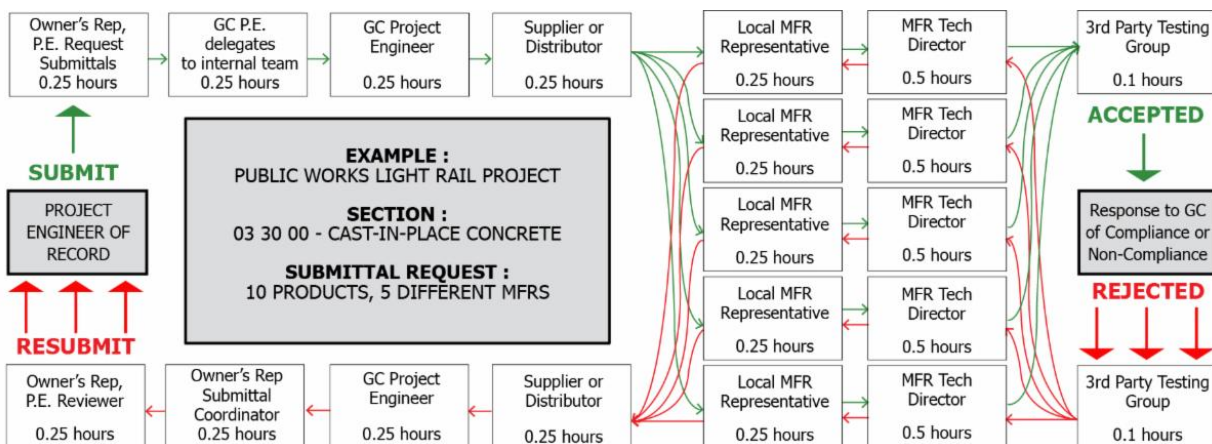
Not so long ago, a fax of no more than 20 pages total of specs, drawings, and data sheets satisfied the architect or engineer of record. Ironically, with the advent of email and the internet, we stopped communicating and started forwarding spreadsheets.

EXAMPLE

June 2020, Seattle, WA, Large infrastructure light-rail segment.

In a single Cast-in-Place Concrete section, in order to fully submit on 10 relatively routinely specified products, I fielded approximately 500 individual emails. (We are still searching for a bearing pad adhesive that does not seem to exist.) The cumulative time for ten products was 48 hours. Assuming just \$150/hr, that totals \$7200 dollars before a single thing has moved on to the jobsite. Mind you, that is just the time accumulation of three parties; I have not included the time of the GC or the Owner’s Rep or Engineer of Record. (My time, the manufacturers time, and third-party lab...see below for a simplified diagram with estimated minimums.)

ARTICLE CONTINUES BELOW...



EXAMPLE: THE HIDDEN COST OF SUBMITTALS

...ARTICLE CONTINUED FROM ABOVE

SOLUTIONS

While Kyle Richardson (OAC) sees a paperless future with materials delivered, bar-coded and forever-tied to the spec and its submittals, the supply chain and manufacturers are looking for more immediate relief in the current landscape. I would encourage the following:

1. **Manufacturers, Engineers (with particular focus on the division or material), Specifiers, Owners Representatives :** Development of standardized templates for product submittals. This may yield a different template for each Division, but it seems like a perfect CSI initiative.
2. **Building Owners and Engineers :** Development of Project QPLs (Qualified Product Lists) allowing the supply chain to pre-qualify and pre-answer questions needed for approval. The QPL convention has been implemented successfully by nearly all state transportation departments. The goal is for independent, unbiased testing of materials, and transparency of

what is approved for use. The same idea could guide building owners and engineers to write criteria for submittals to be on a Project QPL. I would warn of double edged sword: when it comes to validation and testing requirements, it's a fine line between spurring innovation and stifling it. Small manufacturers are often more responsive to market needs and faster to develop products. Forcing large capital expenditures for testing and validations could have unintended consequences.

3. **Distributors:** Find a way to 'bill' for your technical coordination efforts so the real time-cost burden is not rolled into other product margins, which distorts the true cost of construction materials and engineering services.
4. **GCs and Subcontractors:** Do not accept a quote without suppliers agreeing to substantially comply with the submittal process. Be up front about what you will be taking on and what you want and expect from the supplier.

Combining five or six standard submittal requirements onto to single template should reduce billable hours of the GC and Owner's Rep by 25%-40%, and seriously reduce the unbilled hours of the supply chain by at least 50%. When you add those improvements with a modest 20% reduction in RFIs, now you're talking about real, adult money. Oh yeah, productivity gains as well.

2020-21 Request of Members

Beth Stroshane, 2014-15 PSCCSI President and Managing Partner at Applied Building Information LLC

The culture of our organization is to bring together the many facets of our industry as equals to improve the quality of our work. We build on the work of our predecessors and support our members to create a better future. We do this through education and organization. When I first joined CSI and started writing specifications, not many specifiers in our area looked like me. I was mentored by people in CSI who didn't look like me, but I soon realized they were like me. We all wanted to collaboratively do quality work and improve the industry. Those mentors helped me dismantle the barriers in my path to reaching my full potential. 15 short years later, many more specifiers in our area are women like me.

One facet of inequality are barriers keeping people from reaching their full potential. The challenge of these barriers is they are often difficult to see if they are not in your path. I can see the barriers to women in our industry, but I cannot see the barriers in the paths of others facing inequality with the same clarity. If you can show me what you see, highlight the weak points, the strong points, and the foundations on which these barriers stand, we can work together to dismantle them and clear the path to reaching your full potential.

The desire to see all our members and community reach their full potential keeps me engaged. You can be the change you want to see in the world.

If you face inequality in our industry or organization, you don't need my help because help implies inequality and you are my equal. Rather than my help I offer you my tenacity and mentorship on our journey to becoming the change we wish to see in the world.

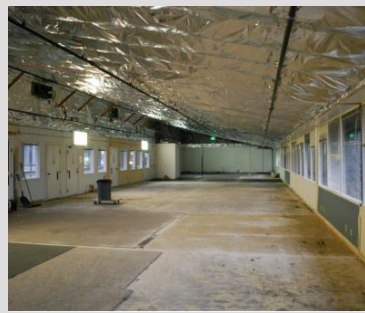
Share your experience and ideas, email: lia@appliedbuildinginformation.com
Subject line: PSCCSI – Demo and Reinforcement for Equality

For those in search of Mentorship, email: suwilliams@ppg.com
Subject line: PSCCSI – I Need a Mentor

Congregations For The Homeless

Rafn Company, reprinted from December 31, 2019

Congregations For The Homeless (CFH) operates a winter men's shelter in Bellevue as an emergency overnight shelter providing men with a hot meal and a safe place to sleep. Their staff also connects these men to vital resources, helping them toward security, stability, and independence.



Due to the lack of fire safety infrastructure at their current facility at Lincoln Center in Bellevue, the shelter is required to shut down each year from May through October. However, this is changing due to the leadership of CFH's Executive Director, David Bowling, and former Bellevue Councilmember, Kevin Wallace, who has [sic] helped raise the necessary donations and funds to renovate the space to current fire code and allow the facility to operate 365 days a year and serve 100 men.

Our past work with Kevin Wallace afforded us an invitation to join the project and oversee the installation of the water service to the building and the additions of the fire safety equipment and sprinklers to the shelter spaces. Additionally, we relocated and infilled several doorways, and repainted several exterior walls.

CFH was founded in 1993 as an agency of the Eastside Interfaith Social Concerns Council to provide a warm, safe, and hospitable place for up to 30 single men to sleep and be nourished. In the subsequent years, CFH has grown to support 100 men with overnight shelter at local congregations and from November through April at their main location. CFH is planning to build a permanent shelter in the Eastlake neighborhood of Bellevue in the near future.

More information about Congregations For The Homeless can be found on their website at www.cfhomeless.org.

PSCCSI Update: CFH at Lincoln Square is now open 24/7, year-round. For information on how to volunteer or where to drop off men's clothing or toiletries, call 425-289-4044.

Technically...

John Aldridge of LMN on the Origin of Words

It's not stone, so I have always wondered why it's called quarry tile.

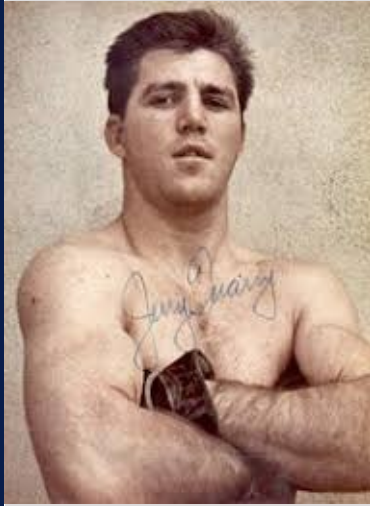
I had to include a specification in a project recently, so the question came up again.

quarry - an excavation or pit, usually open to the air, from which building stone, slate, or the like, is obtained by cutting, blasting, etc. 1375–1425; Middle English *quarey* (noun) < Medieval Latin *quareia*, variant of *quareria* < Old French *quarriere* < Vulgar Latin **quadrāria* place where stone is *squared*, derivative of Latin *quadrāre* to square

quarry tile - a square or diamond-shaped machine-made, unglazed, ceramic floor tile. So there's the answer. They were originally offered only as 6 inch *squares*. High quality quarry tiles are made from a mixture of natural ingredients including clays, shales and feldspar. They are extruded through a die and cut. This extrusion process creates a much tighter/denser body than can be achieved through other processes. The die also creates a ribbed back on the tile to improve mortar adhesion. Once extruded, the tiles are sent through a drier and fired in a kiln exceeding 2,000

degrees Fahrenheit. Tiles with a base of shale generally have a red or brown color; with a base of clay they generally have a gray or beige color. They are typically harder than clay bricks and qualify as vitreous, and so has a tiny moisture absorption rate.

vitreous - of the nature of or resembling glass, as in transparency, brittleness, hardness, glossiness. 1640–50; < Latin vitreus, equivalent to vitr(um) glass + -eus -eous



The Bellflower Bomber,
Jerry Quarry



And these guys were most definitely not squares

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.

Board of Directors Meeting Minutes

Board Meeting Minutes:

- [April Meeting Minutes](#)
- [May Meeting Minutes](#)
- June: Pending.

Chapter Leaders

BOARD MEMBERS

President: **April Stokesberry**, Duradek Northwest
President-Elect: **Matt Gregory**, Retired Architect, Specifier and Planner
Vice President: **Erika Anderson**, Anderson Specialties LLC.
Secretary: **Candice Clinton**, ASSA ABLOY
Treasurer: **Justin Bise**, MG2
Director: **Rudy Jarvis**, Hilti North America
Director: **David Landrey**, MASCO/Masons Supply Company
Director: **Carrie Gerstenberger**, Bassetti Architects
Director: **Mary Rowe**, Integrus Architecture
Past-President: **Melissa Falcetti**, Applied Building Information

COMMITTEE LEADERS

Communications & Marketing Chair: **Lia Alia Wollard**, Applied Building Information
Education Chairs: **Melissa Falcetti**, Applied Building Information
Membership Chair: **Susan Williams**, PPG Paints
ProSpec Chair: **Justin Bise**, MG2

CSI and Affiliate WEBINAR Events

Click on Session Names below to Register



HermanMiller

Insight Series: The Impact of Technology in the Workplace

THURSDAY, JULY 9, 2020 | 9:00 AM - 10:00 AM PT

- **Ryan Anderson**, VP of Digital Innovation at Herman Miller

Adhesion of Air and Water Resistive Barrier Materials

THURSDAY, JULY 9, 2020 | 10:00 AM - 11:00 AM PT | 1 CEU/HSW



NFPA 285 and Air Barriers: Make the Right Selection

THURSDAY, JULY 16, 2020 | 10:00 AM - 11:00 AM PT

Interfacing of Glazing Assemblies and Air Barriers

THURSDAY, JULY 23, 2020 | 10:00 AM - 11:00 AM PT

A Web-Based Calculator to Estimate the Impact of Air Leakage on the Energy Performance & Moisture Control of Building Envelopes

THURSDAY, JULY 30, 2020 | 10:00 AM - 11:00 AM PT

Tile Installation and Selecting Qualified Labor



Speaker Panel: Security Glazing for Storefront, Fenestration

THURSDAY, JULY 14, 2020 | 8:30 AM - 9:30 AM PT

- **Bill Lingnell**, technical consultant to FGIA
- **Julia Schimmelpennin**gh, Architectural Industry Technical Manager - Advanced Material Interlayers Business of the Eastman Chemical Company
- **Vaughn Schauss**, Manager, Technical Consultancy Americas at Kuraray
- **Ivan Zuniga**, Product Manager for Storefronts, Entrances and Framing at Kawneer



Thought Leadership Webinar Series:
Top Trends Series:

Financial - Business Development
Human Capital Management - Project Management - Technology

JULY 1, 9, 15, 22, 29, 2020
VARIES



SEABEC Monthly Meetings to resume in September.

Distance Learning At-Large

Does your company **offer an online lunch and learn**? Feel free to contact us at office@psccsi.org or lia@appliedbuildinginformation.com and we will do our part to get the word out to our membership. Offerings will run in the monthly Spectrum and in mid-month announcements for 2 months.

Sponsorship Opportunities

Get your name front and center and connect with CSI members!

Sponsor a portion of the Spectrum either on a monthly or quarterly basis:

- **Monthly Spectrum Sponsor**
- **Chapter Meeting Sponsor** (not applicable in June, July, and August)
- **President's Sponsor**
- **Quarterly Product Spotlight Sponsor** (will return to 3-months in September)

Contact Lia in Communications if you're interested and we will get the word out!

