The Construction Specifications Institute

March 10. 2020 **East Tennessee** Building **Products Show**

3:30pm - 7:00pm

Foundry on The Fair Site 747 World's Fair Park Dr Knoxville TN 37902

Bring your friends, learn what's new with our keynote speaker, eat, drink, and have a one on one with amazing product reps!

Everyone in the Design and Construction Industry is invited to this free event!



TUESDAY, MARCH 10TH, 2020

KEYNOTE SPEAKER: ANN McGauran, Tennessee State Architect

ORGANIZED SEPTEMBER 1958 CHARTERED MAY 1959





CSI KNOXVILLE IS A MEMBER OF THE CSI GULF STATES REGION

THESPECK Editor

Stacy Flick Colbaugh - Editor scolbaugh@lewisgroup.net

THESPECK is published monthly by the Knoxville Chapter of the Construction Specifications Institute. Readers are encouraged to submit articles and images of the construction industry interest for our membership. All submittals should be sent via e-mail in a typical file format, such as pdf, .docx, or .jpg Please verify the accuracy of the information such as correct dates, spelling, and grammar. Deadlines are the 25th of each month.



KNOXVILLE CHAPTER: MARCH 2020

- 53 Professional
 - 1 EMERGING PROFESSIONAL
 - 2 STUDENT
 - 2 EMERITUS
- 2 RETIRED





CALENDAR OF EVENTS

MARCH 2020

- O3 <u>CSI Board Meeting</u> Tuesday, March 3rd, Lunch meeting from 12:00 pm - 1:00 pm Location: Lewis Group Architects 6512 Deane Hill Drive, Knoxville, TN 37919
- 10 THE FAST TENNESSEE CSI BUILDING PRODUCTS
 SHOW 2020 Tuesday, March 10th,
 at The Foundry on the Fair Site
 747 World's Fair Park Dr., Knoxville, TN 37902
 Keynote Speaker: Ann McGauran, TN State
 Architect, Credit: 1 LU HSW
 Free admission, but space is limited. Please
 Register by 3:00 pm on Monday, March 9th.

SEMINAR REGISTRATION

26 <u>CSI Lunch & Learn</u> - Thursday, March 26th, 12:00 pm at Wasco, 816 Willow Ave #101, Knoxville, TN 37915 "Flashing and Moisture Control on Masonry Walls" Presented by Tonia Sorrell-Neal from International Masonry Institute RSVP to csiknox@gmail.com

APRIL 2020

- OT <u>CSI Board Meeting</u> Tuesday, April 7th, Lunch meeting from 12:00 pm - 1:00 pm Location: Lewis Group Architects 6512 Deane Hill Drive, Knoxville, TN 37919
- 14 <u>CSI Chapter Meeting</u> Tuesday, April 14th, 11:30 am at Calhoun's on the River. "Use of Historic Materials in a Modern Construction Environment" Presented by David Grant Howard, from Our Handmade Table. RSVP to csiknox@gmail.com

PRODUCTS SHOW

MARCH 10

The Foundry



THE PRESIDENT'S MESSAGE

PRODUCT SHOW ON TUESDAY!

Mr. Geoffrey Cavalier, CSI, Assoc. AIA, NCARB CSI Knoxville Chapter President cavaliergeoffrey@gmail.com



Again, I will remind you that this month, March 10th at The Foundry,

is the annual CSI Knoxville Product Show. This event also will have the state architect, Ann McGauran, as its keynote speaker. She will be speaking from 3:30 pm until 5:00 pm. This is an opportunity to hear what the state of Tennessee has planned concerning architecture and construction, as well as an opportunity to ask questions. This is probably CSI Knoxville's largest event. It is free and you don't have to be a member to attend. There is free food and door prizes. I always enjoy the opportunity to bump into colleagues I haven't seen in a while and even meet new people.

The board has been working on nominations for officers, directors, and committee chairs. This has had me thinking about what an amazing team of people we have in this organization. I was told before taking this position that this chapter is a well-oiled machine, and I have seen that myself, but somewhat from the outside. Now, that I am in the middle of it all, I see the incredible work from members who have been around for decades and those not even a year in. We have people who have had the same position for years and that naturally brings stability and reliability for the chapter. We don't have to worry about their responsibilities, because they always deliver. When something does come up, they ask for help, and they always seem to get it. I have been impressed by them, and by the new members. They have brought in fresh energy and ideas and that is always welcome in our chapter.

This chapter continues to amaze me on how well it functions. It isn't easy. A lot of thought and work goes in. These hard-working volunteers maintain this amazing community where CSI members network, learn, and have lots of fun. I am proud to be part of it. I hope that you would be willing to contribute a few hours a month to getting more involved in the leadership of this organization. If you are interested, or can think of someone who might be interested, please email me and we will find you, or them, something to get you on board!

Mr. Geoffrey Cavalier, CSI, Assoc. AIA, NCARB CSI Knoxville Chapter President cavaliergeoffrey@gmail.com



CSI NEWS

CSI Student Chapter

The CSI student group is organizing and is seeking speakers, site and office visits. The next Student Chapter Meeting is Monday, March 9th at 12:15 pm.

CSI Gulf States Region Awards

GSR Awards Submittals are due by April 30th, Midnight **CDT**. We look forward to receiving your submissions and seeing you at the GSR Leadership Conference, June 12-13, 2020 in Birmingham, Alabama.

CSI Institute Awards: Nominations for the Honors and Awards Program will open March 1, 2020. Submittals are due by May 28th, 2020. https://www.csiresources. org/institute/honorsandawards/awards

CONSTRUCT 2020

Sve the Date! September 30th to October 2nd, 2020 at the Gaylord National Resort, Grapevine, Texas.

CSI Institute Contacts

Member Services at csi@csinet.org or 800-689-2900 Chapter Services: chapterrelations@csinet.org

Certification: certification@csinet.org Education: education@csinet.org Accounting: accounting@csinet.org

Awards: awards@csinet.org Marketing: marketing@csinet.org



Grapevine, TX, USA (Dallas/FortWorth)

Exhibit: October 1-2, 2020 Education: September 30 - October 2, 2020

CSI TECHNICAL

WHAT I LEARNED FROM CSI...

NAIL SALONS

MR GARY T. BERGERON, CSI Kelso-Regen Associates, Inc. CSI Knoxville Technical Chair gary@kelso-regen.com



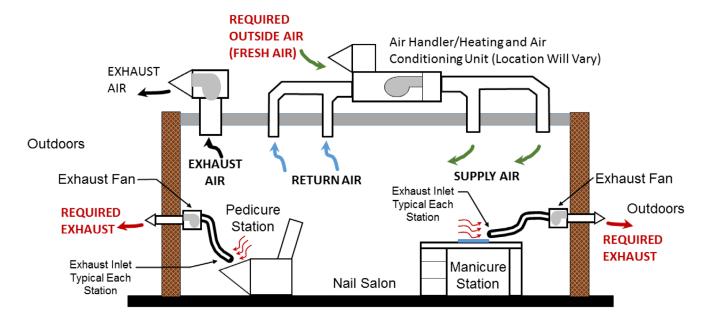
During the holiday season, some customers enjoy pampering during a "mani/pedi" session at their local nail salon. A little-known trivia item is the Hollywood actress Tippi Hedren established a charity to help Vietnamese refugees learn a vocation after the Vietnam war. This is why many nail salons are owned and/or staffed by Vietnamese.

Many nail salons offer manicures, pedicures, nail enhancements, along with spray tanning, tanning beds, waxing, and other services. The odors from these establishments can be significant, especially if a restaurant is adjacent to the nail salon in the shopping center. The Volatile Organic Compound (VOC) odors and air quality safety were known as an issue for the employees and the customers since 1976. Many nail



Pedicure chairs with integral exhaust ducts https://uspedicurespa.com/en/ventilation-systems-for-nail-salon

technicians can recognize each other's profession "on the street" since skin discoloration and other dermatological effects from prolonged exposure is obvious. Since 2009, the International Mechanical Building Code has mandated a local exhaust system at the manicure counter and the pedicure chair. This local exhaust of 50 Cubic Feet of air per Minute (CFM) is not a large amount, but when all of the pedicure chairs and manicure stations are totaled, it can be a significant exhaust air total that affects the HVAC system capacity as shown in the attached diagram. The exhaust air can also affect the adjacent business with the odors when the VOC odors get drawn into the HVAC system for a restaurant. No restaurant patron wants their expensive dinner affected by the nail polish odors. If the exhaust system exceeds the outside fresh air provisions of the HVAC system, then a dedicated make up air system to provide the correct

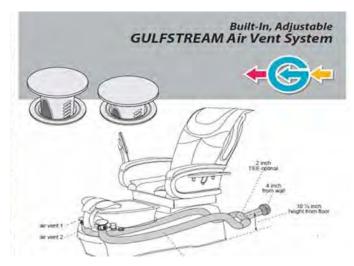


Sample Ventilation System

<u>Diagram indicating the general exhaust requirements in New York</u> https://www.dos.ny.gov/licensing/appearance/NailSalon%20Technical%20document.%20final.pdf

Exhaust duct details for manicure and pedicure chairs

air balance is needed. Some pedicure chairs include an integral exhaust duct concealed in the chair base as an option as shown in the attached diagram. If there is no optional exhaust duct, the pedicure chairs are sometimes installed on a 6" high platform to enable the exhaust duct and exhaust grille to be located in the floor between the pedicure chair basins as shown in the attached photo. The pedicure chairs also require some plumbing considerations. The pedicure basin must be drained, sanitized, and refilled on a frequent basis. The drain water can flow by gravity into a floor drain under the basin, or the chair can include a drain water pump to drain to a waste receptacle behind the chair. The water should be warm for the pedicure customer, so the water heater must be sized for groups which sometimes includes 10 or more people in one 30-minute session. This hot water demand often dictates the need for an 80 gallon water heater. The last pedicure chair is often more than 50 feet from the water heater, so a hot water recirculating pump and system is also required. The next time you have a building science or construction question, come to the next CSI event to discuss the answers.



Gary T. Bergeron, Principal and Co-Owner Kelso-Regen Associates, Inc. Consulting Engineers 201 Sherlake Lane, ste 101 Knoxville, TN 37922 CSI National Robert P. Brosseau Award 2017 recipient CSI Gulf States Region Technical chair, Wetzel Award Winner 2018

O: 865-588-5348 C: 865-748-6304

https://www.linkedin.com/in/garybergeron/



CSIKNOXVILLE



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Event Speaker Sponsor!

2020 ETN Building Products Show

Thank you to our

KEYNOTE SPEAKER Ann McGauran Tennessee State Architect



Show Sponsor!



March 10. 2020

Bar Sponsor!

GEOServices, LLC, Geotechnical and Materials Engine

East Tennessee Building Products Show

3:30pm - 7:00pm

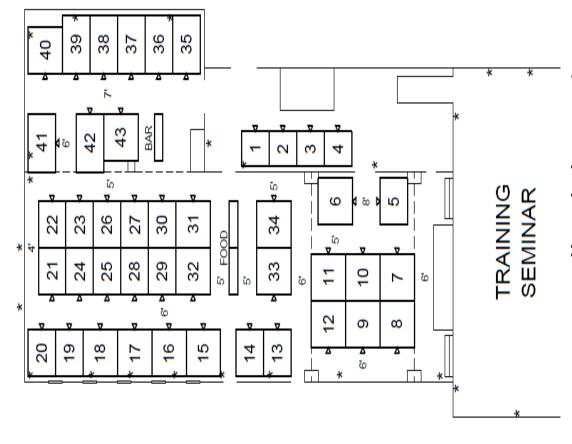
Foundry on The Fair Site 7 World's Fair Park Dr oxville TN 37902

Bring your friends, learn what's new with our keynote speaker, eat, drink, and have a one on one with amazing product reps!



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2020 ETN Building Products Show



Visit all Exhibitors

Company: Phone: Name:

3 Grand Prizes - \$100 Visa Gift Card

Exhibitors

- General Shale/ Whitaker Greer Specifications Institute CSI-Construction
 - Construction Women ACW: Associated

Farrell-Calhoun Paint

- **AIA East TN**
- Knox County Building Codes
- James Hardie Bldg. Products
 - **Tennessee Marble Company** The Outdoor Lights

Window & Door Concepts

Colby & Associates

Pella Windows

31

Johnson and Galyon

∃lhay/Bradley

Sunbelt Rentals

- Acme Brick Tile & Stone
- Wm. M. McClain
- Mid-South Prestress
- Doorway Svcs. and Solutions
- WM S. Trimble Exact Tile
 - **DuPont Tyvek**
- 9
- TN Lighting Sales
- Premier Marketing Duro-Last, Inc.
- The Garland Company
- Dolinger & Associates GE & Monograms

Sherwin Williams MBCI 34

Coastal Const. Products

Hackney Furniture Geoservices, LLC

- The Wakefield Corporation
- National Gypsum Company 37
 - -ighting Trends
- **3endheim Glass-Hillyer Sorian Quartz**
- **Nobel Company**
- Inemec/Xypex
- Acme Block and Brick

When all colors are collected drop this off to be entered in a drawing. You do not have to be present to win.



Knoxville Chapter

Keynote Speaker

Ann McGauran

Tennessee State Architect



operations experience, primarily with 2017. As the chief staff officer of the has served in a variety of real estate and was unanimously appointed as large multi-facility institutions. Ann State Building Commission (SBC) in roles for the State of TN since 2013 State Architect by the Tennessee Ann is an Architect with over 25 years of architectural, project management and real estate

~900, 000 acre portfolio. Ann graduated from Auburn Universi-SBC, Ann provides real estate expertise on capital projects and Vanderbilt University. Ann is NCARB certified and earned her ty with a Bachelor of Architecture and received a Master's in Healthcare Management from Owen School of Business at initial architectural licensure from Florida and is currently transactions affecting the States ~90 million sq. ft. and icensed in Tennessee.

Wine Bar

Ann, her husband Mick and their two sons Sean and Liam, live in Nashville.

Seating is limited. Reserve your seat:

http://events.constantcontact.com/register/event?llr=qmtbi86ab&o eidk=a07egwgb3kg8674ad65

March 10, 2020

Past Tennessee Building Products Show

3:00 - 3:30 pm 3:30 - 5:00 pm Keynote Speaker: Hors D'oeuvres Hosted Beer & Check in: Exhibits

5:00 - 7:00 pm 5:00 - 7:00 pm 5:00 - 6:30 pm

https://csiknoxville.org/



CSI EDUCATION

DESIGN-BUILD: CONTRACT CLAUSES OF PRACTICAL IMPORTANCE

By Ms. Susan Davis, RA, CSI, CDT, PMP babydavis111603@aol.com

At CONSTRUCT 2019, Stephen Benton of SR Benton & Associates, LLC gave a presentation on Design Build project delivery. Here is a brief synopsis as understood by Susan Davis.



Design-Build (DB) is

an increasingly common project delivery method. The owner contracts with one entity that is responsible for both designing and building the project. There are many inherent strengths to this method. DB can be more seamlessly fast tracked. Since the project team has already been identified, you get early input and can release design packages that integrate their input.

The owner may prefer the DB method because it alleviates accepting the risk of the design. The DB project is, in the end, not evaluated against did they meet the requirements of the construction documents, but did they meet the performance requirements.

Financially, the DB entity is incentivized to collaborate to find the best solutions and to reduce change orders. Since the budget is known up front, the DB can find the best solutions within budget- the budget informs the design. The owner can expect to see estimates updated frequently since the DB has responsibility.

There are a couple of things to be aware of entering into a DB agreement. The biggest question to make sure is answered is, "What documents become part of the contract?" Some documents called "bridging documents " are often not included but should be. This can include preliminary design, geotechnical info, and other early design documents. Don't forget to also include the proposal and make sure that the owner's requirements don't include elements from proposals from other entries or that those requirements are clearly identified.

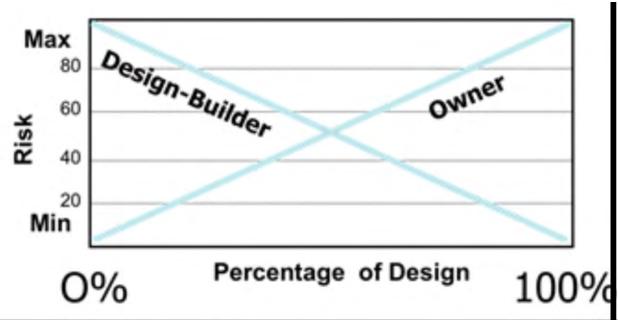
How is compliance substantiated? When will be the design be reviewed and how often? How far must the design be developed? Will retainage include the design value?

Be wary of too specific requirements. If the owner has their heart set on one particular idea, even if that idea isn't a requirement, the owner will not be happy with the end product.

The Design Build Institute has 10 Best Practices you may want to review at www.DBIA.org

Ms. Susan Davis, RA, CSI, CDT, PMP CSI Knoxville Chair: Bylaws and Operating Guide





HINDSIGHT

PHOTOS FROM FEBRUARY CHAPTER MEETING

Photos by Stacy Colbaugh, CSI, CDT, AIA





CSI GULF STATES REGION LEADERS - 2019-2020

CSI GULF STATES REGION OFFICERS AND COMMITTEES

OFFICERS

PRESIDENT Suzan Jordon, CSI, CDT 865-389-9476 Suzanwjordan@yahoo.com

VICE PRESIDENT Cindi Brooks, CSI, CDT 423-827-4848 cindibrooksgsr@gmail.com

SECRETARY Mike Zielinski 901-652-5612 mzielinski@lrk.com

TREASURER
Randall Lewis, AIA, CSI (2nd Yr.)
601-948-4601
rlewis@jhharchitects.com

IMMEDIATE PAST PRESIDENT Bruce Martin, CSI, CDT, RRC 423-634-9959

bmartin@dillardconstruction.com

INSTITUTE DIRECTOR - GULF STATES REGION William Sundquist, CSI 423-385-4598 wsundquist@wgpaver.com

COMMITTEES

ACADEMIC AFFAIRS Kent Kile, CSI, CCPR (1st Yr.) 615-347-4572 kkile@ppg.com

AWARDS
Betina Latiker (1st Yr.)
601-209-4671
blatiker@hotmail.com

CERTIFICATION
Floyd Sterling, FCSI, CDT (2nd Yr.)
318-226-0056
fsterling@shreveland.com

EDUCATION
Kent Kile, FCSI, CCPR (2nd Yr.)
615-347-4572
kkile@ppg.com



ELECTRONIC COMMUNICATIONS Randall Lewis, CSI, AIA 601-948-4601 rlewis@jhharchitects.com

FINANCE Ryan Hatler, CSI, J.D (2nd Yr.) 850-316-7217 ryan@hatlerlaw.com

FUND RAISING / PRODUCT SHOWS Melanie Kenney (2nd Yr.) 615-979-9497

mkenney@southlandbrickandblock.com

MEMBERSHIP
Jill Colby, MBA, CSI, AIA (2nd Yr.)
615-330-2746
jillcolby@colbyassoc.com

OPERATING GUIDE Cindi Brooks, CSI, CDT (2nd Yr.) 423-827-4848 cindibrooksgsr@gmail.com

PLANNING Billy Mathis, FCSI, CDT (2nd Yr.) 501-758-7443 bimathis@taggarch.com

PUBLICATIONS
John Dunaway, CSI, CCS, AIA (5th Yr.)
601-948-7337
john@ccdarchitects.com

TECHNICAL
Gary Bergeron, BS, CSI, ASHRAE,
ASPE, USGBC (5th Yr.)
865-588-5348
gary@kelso-regen.com

SPECIFICATION COMPETITION Thomas Clarke, FCSI, CCS, CCPR, CCCA, SCIP (2nd Yr.) 601-832-5339 tlcfcsi@aol.com

NOMINATING Suzan Jordon, CSI, CDT 865-389-9476 suzanwjordon@yahoo.com



CSI KNOXVILLE MEMBERS – MARCH 2020

Ginger Azpurua, CSI Aubrey Bader, CSI-S

Mrs. Michelle Barillaro, CSI

Mr. Gary Bergeron, BS, CSI, ASHRAE, ASPE, USGBC

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DIRECTORS			
2019-2020	Suzan Jordan Gary Bergeron Brian Sickles	iamswj@yahoo.com gary@kelso-regen.com brian.sickles@ssainc.com	(865) 389-9476 (865) 748-6304 (865) 867-7582
	Kathy Proctor Josh Brock Josh Buchanan	ksp53@me.com joshua.brock@generalshale.com josh@tnmarble.com	(865) 599-7783 (865) 388-1833 (865) 995-9500
COMMITTEES			
Members Services Membership House	Samer Shatara Suzan Jordan	sshatara@denark.com iamswj@yahoo.com	(865) 388-3661 (865) 389-9476
Education Education / Programs	Will Dunklin	wdunklin@gmail.com	(865) 525-6322
Student Chapter President (Fall) President (Spring) Secretary	Aubrey Bader Kari Essary	abader@vols.utk.edu kessary@vols.utk.edu	(704) 930-6110 (850) 545-1746
Recognition Technical Certification Awards	Gary Bergeron Daniel Smith	gary@kelso-regen.com dsmith@maston.construction	(865) 748-6304 (865) 389-6691
Communication Publication/ Website Publicity/ Marketing Faculty Advisor Academic Affairs	Stacy Flick Colbaugh Mirelys Calise James Rose Gary Bergeron	scolbaugh@lewisgroup.net mirelysc@calisedesignstudios.com jrose18@utk.edu gary@kelso-regen.com	(865) 599-3956 (407) 619-8617 (865) 719-0743 (865) 748-6304
Fundraising Product Show Product Show Co-Chair Golf Tournament Golf Tournament Co-Chair	Josh Brock John Hockensmith Wes Crow Josh Brock	joshua.brock@generalshale.com jhockensmith@mhminc.com wcrow@johnsongalyon.com joshua.brock@generalshale.com	(865) 388-1833 (865) 357-5485 (865) 770-0727 (865) 388-1833
Chapter Administration Planning / Historian Bylaws & Op Guide	Kathy Proctor Susan Davis	ksp53@me.com babydavis111603@aol.com	(865) 599-7783 (865) 271-7998