

Nashville SPECIFACTS

Nashville Chapter of the Construction Specifications Institute Newsletter

Issue 18-0910



Eliminate Concrete Moisture

President's Message

Industry Advancements

Raise The Roof

Meeting Photos

Our President's Message

By Michael Gober



*H*ello CSI Members and Future Members:

Come participate and get involved in our learning and networking activities.

September's HSW CEU program

was brought to us by our Professional Development Education Chair Ray St. Germain. His contact Councilman Swope spoke on Intelligent Transit for the "it" city Nashville an interesting topic encompassing autonomous vehicles controlled by a central database taking passengers from their doorstep to final destination on a double stacked freeway system removing 35% of the current traffic load in Nashville, saving thousands of commuters time and money while allowing them a higher quality of life.

We also hosted a Happy Hour to meet our new Gulf States Regional Institute Director, William Sundquist at 55 South with Oysters & Wings September Toast N Tour at the Opryland Hotel - POWERhouse with a toast at the legendary Nashville Palace where numerous Country Music Stars have set the stage, George Jones, Randy Travis, Alan Jackson, Lorrie Morgan and many others. GREAT networking, fun events. Come join..

October has been a full month of CSI Chapter activities that we have participated in or hosted.

1. First week President-Elect Jerry Curtis and myself attended CONSTRUCT 2018 in Long Beach, CA. quite a long distance for two Tennessee folks and well worth the travel. There were 68 CEU opportunities, including 3

technical tours of Historic Long Beach, Aquarium of the Pacific and USC LA Memorial Coliseum Tour. Ten of the CEUs were specific to product representatives presenting to and interacting with other members of the design team. From the welcome reception at the Federal Bar (a repurposed bank dating bank to prohibition), CSI Honors and Awards Ceremony where Our Chapter once again received the Outstanding Chapter Commendation award, Construct 2018 Product Show with on site demonstrations and concluding with a CSI night out on a stationary, refurbished, hotel ocean steamer "The Queen Mary", that is rumored to be haunted. It was quite an educational, social event.

2. Second week was our CSI Nashville Chapter's own annual product show where vendors CSI members or not can rent booths to showcase their new technologies and products to architects, designers and specifiers who could take advantage of three complimentary CEUs and lunch.

3. We concluded October with a board meeting and participating in LOVE HELPS Inc. Power Lunch Golf Challenge. This charity fundraising event and organization's programs serve more than 4,000 elementary students in Metropolitan Nashville Public Schools. Mr. Dean Baker db@LoveHelps.org spearheads this charity. Please join us Tuesday, November 20, 2018 for our monthly chapter CEU program, lunch meeting and fellowship.

AND SAVE THE DATE of Thursday, December 6th, for our Merry & Bright for 60 years, Christmas and Anniversary Celebration at Millennium Maxwell House Hotel.

Respectfully,

Michael Gober
IIDA, CSI, CCPR



ELIMINATE CONCRETE MOISTURE WITH A LIQUID ADMIXTURE

Concrete substrate moisture is and has been a top concern for the design/build community for years, and is now a multi-billion dollar annual problem due to project schedule delays and disruptions to businesses and institutions.

Because of that moisture, almost all types of flooring, roofing and coatings such as carpeting, broadloom, resilient, resinous coatings, sheet vinyl and even high performance epoxies require a moisture test to be performed on the concrete before installation.

Concrete slabs for a new project, whether below, on, or above grade, do not have the time or suitable drying conditions to meet the established limits of the test. And when the concrete moisture tests fails, very expensive topically applied moisture mitigation systems are seen as necessary to maintain warranty requirements.

THE SOLUTION

Adding a liquid admixture dosed directly into the concrete at the time of batching, proactively addressing the concrete moisture issue. This admixture chemically reacts within the concrete matrix during the hydration process. Formulated to react with the hydroxide ions produced by the cement hydration process, it creates additional hydration products within the capillary pores and blocks them. This effectively shuts down moisture vapor movement through the concrete.



WHAT PRODUCT DOES THIS?

So is there an admixture that actually does what is stated above? Luckily for architects and general contractors, there is. And it's called MVRA 900 by ISE Logik. MVRA 900 is made only with deionized water and each batch is pre-tested for performance. It provides less shrinkage and cracking for the concrete gives a permanent and integral solution that works for the life of the concrete as well. MVRA 900 dosed concrete requires no further moisture tests, and no additional topical moisture mitigation systems are needed. This admixture also provides a lifetime moisture failure warranty.

- HPD - Health Product Declaration Certified
- Mindful Materials Product
- Contributes to LEED v.4

SPECIFY MVRA 900

- Sustainable solution for concrete moisture closing off internal capillaries
- Eliminates need for moisture testing (RH and Calcium Chloride)
- Eliminates need for any topical moisture mitigation systems
- Extends durability and life cycle
- Contributes to minimizing project timeframe
- Early strength gain of concrete
- Manufactured with deionized water
- Job specific lifetime warranty against finished flooring failure due to concrete moisture related issues
- 35+ years of manufacturing experience with admixtures for cementitious products

MVRA 900 is the true sustainable solution for concrete moisture mitigation.

Article submitted by Mike Martin - South East Associates mike@southeastassociates.com



Merry & Bright for 60 years!

Join the CSI Nashville Chapter as we
celebrate 60 years of fun!

Millennium Maxwell House Hotel
Thursday, December 6th
5:30 pm - 9:30 pm

RAISE THE ROOF

Submitted by Mike Martin
South East Associates
mike@southeastassociates.com

Re-roofing Over Structural Concrete Decks

One of the challenges when tearing off over structural concrete decks is addressing residual moisture from leaks, inadequate initial drying, or condensation. When the existing roofing materials are removed and the surface is dried, it can take a long time for invisible moisture absorbed within the slab to dissipate and for the concrete to reach an acceptable relative humidity level. Improper drying causes moisture to stay trapped in the new roofing system, adversely impacting the performance of certain components. For example:

- Paper-faced polyiso can be weakened by moisture absorption, compromising the wind uplift performance of insulation adhesives and/or membrane adhesives.
- Adhesion of peel-and-stick air and vapor barriers can be compromised.
- Mold growth can occur within the roofing assembly.
- Without adequate insulation values, white or light-colored roofing membranes can increase the potential for condensation-related issues; their high solar reflectance results in lower surface temperatures that remain below the dew point for longer periods of time.

Note: Darker-colored roofs tend to have a much greater summer dry-down effect, driving moisture back into the building.



DeckVent Expanded Polystyrene EPS

Because of these challenges, it's strongly recommended to use DeckVent expanded polystyrene (EPS) insulation in conjunction with

One- and Two-way Pressure Relief Breather Vents. Originally designed for roofing over newly poured structural concrete decks, the DeckVent roof assembly provides an equally viable solution for roof replacement applications over structural concrete because of its tolerance to hidden residual moisture.



Two-Way Pressure Relief Breather Vent

Either assembly option listed below may be considered, depending on

the project parameters. In both assemblies, the joints between the deck, walls, and curbs, as well as any gaps around penetrations (pipes, drains, and other protrusions), must be sealed to prevent conditioned interior air from infiltrating the roof assembly.

Ballasted EPDM Assembly with DeckVent and Pressure Relief Breather Vents:

This assembly does not rely on fasteners or adhesives to hold the roofing system in place. After sealing all joints and gaps in the substrate, a typical design starts with a base layer of DeckVent EPS on top of the structural concrete deck, followed by subsequent layers of moisture-resistant EPS or SecurShield coated glass-faced polyiso. All layers are loose-laid.

The EPDM membrane is then loose-laid over the insulation and subsequently covered with stone ballast or concrete pavers. One-way Pressure Relief Breather Vents are then installed at a rate of one per 2,000 square feet, and Two-way Pressure Relief Breather Vents are installed at a rate of one per 8,000 square feet. The vents are placed over four- to five-inch-diameter core cuts that extend through the insulation and down to the concrete deck to promote drying.

Continued....

Adhered Assembly with DeckVent and Pressure Relief Breather Vents:

Ballasted assemblies are impractical in some areas of the country and for certain building heights and structural designs. In these situations, adhered roofing systems are often the best choice. After sealing all joints and gaps in the substrate, a base layer of DeckVent EPS is placed directly on the structural concrete deck. SecurShield coated glass-faced polyiso insulation is placed on top of the ChannelDry and then mechanically fastened into the concrete substrate. Alternatively, the SecurShield layer can be attached with DASH or Flexible DASH Adhesive if the DeckVent is mechanically fastened to the concrete substrate.

The single-ply membrane (EPDM, TPO, or PVC) is then adhered to the polyiso.

The final step is the installation of One-way Pressure Relief Breather Vents (one per 2,000 square feet) and Two-way Pressure Relief Breather Vents (one per 8,000 square feet). The vents are placed over four- to five-inch-diameter core cuts that extend through the insulation and down to the concrete deck to permit air circulation and promote drying of the concrete.

Although white reflective membranes can be used in these systems, darker-colored membranes will naturally help accelerate the drying effect of the assembly.

Submitted by Mike Martin- South East Associates - mike@southeastassociates.com

Happy HOUR

Several members of our Board met up with Institute Director William Sundquist in September at a popular Music City spot 55 SOUTH for Oysters, Wings, Crawfish Boudin Balls and Regional Camaraderie. We discussed the success of our local chapter, Construct 2018 - the Institute event in Long Beach, CA., overall booming construction in Nashville and our upcoming Chapter's 60th Anniversary / Christmas Gala at the Maxwell House Hotel.



We solved the dilemma of AIA's attempt to charge chapters for access to their Continuing Education System and other ideas to keep a chapter strong and growing. I appreciate William's time and those that were able to attend.

Michael Gober CSI. CCPR
Nashville Chapter President



September Chapter Meeting



Loss of a Member

Brentwood - Ovel Wayne Gregory, age 77, of Brentwood passed away on Saturday, October 27, 2018. Born July 23, 1941, he was the oldest child of the late Katherine (Stone) and Ovel J. Gregory of Nashville.

He is survived by his wife Katherine (Katy) of Brentwood, son Joseph (Laurie) Gregory of College Grove, and daughter Kellie Gregory of Nolensville; brothers Jimmy (Sharon) Gregory of Birmingham AL and Johnny (Lisa) Gregory of Franklin; several nieces and nephews, and countless friends.

Services will be at Brentwood United Methodist Church on Thursday November 1st 2018. Visitation will begin at 9:30am, followed by a celebration of life at 11:00am. Dr. Davis Chappell will officiate. Honorary pallbearers will be members of The Encounter Sunday School Class.

A private interment will be held with immediate family at a later date.

In lieu of flowers, memorials in honor of Wayne Gregory can be made to Brentwood United Methodist Church Music Department or to Harvest Hands (c/o BUMC). Please visit the online obituary www.brentwoodroeschpattonfh.com

Published in Tennessean on Oct. 31, 2018

Contribute To Specifacts!!

Send article ideas to:

Mike Martin

mike@southeastassociates.com

Jan-Feb Issue	Deadline Jan 16th
March-April Issue	Deadline March 16th
May-June Issue	Deadline May 16th
July-August Issue	Deadline July 16th
Sept-Oct Issue	Deadline Sept 16th
Nov-Dec Issue	Deadline Nov 16th



CSI Nashville Chapter Merry & Bright for 60 Years!

Sponsorship Levels:

\$800 **60th Commemorative Hatch Show Prints Sponsor** **Sold Out!**

Logo on Website for this event, in *Specifacts* "Special Edition" & Signage at Stage

\$750 **Merry & Bright Food Delights**

Logo on Website for this event, in *Specifacts* "Special Edition" & Signage at Buffet

\$500 **Merry & Bright Bar & Wine Sponsors**

Logo on Website for this event, in *Specifacts* "Special Edition" & Signage at Bars



Specifacts "Special Edition"

Friendships formed, business relationships cemented, sometimes for entire careers.

Education freely given to one and all with integrity and selflessness.

Opportunities to grow and shine. This is what CSI Nashville means to many of us.

What does CSI mean to you?
We want your special memories or funny stories.

Ads for companies or individuals or to share special memories.

This edition will be available at the celebration party in December.

Ads need to be submitted by Nov 15th, 2018

\$100

4 lines

\$200

1/3 page ad

\$400

1/2 page ad



Help us celebrate and be a sponsor! Contact Melanie Kenney mkenney@leebp.com
or Tiffany Goulet tiffany@nexgen-cr.com



2018 Sponsorship Opportunities

CSI Nashville Corporate Sponsors \$2000 unlimited

Must have commitment in ASAP.

Includes **2 preferred booths for Product Show** in prominent space. Booth preference will be determined by date of sign up.

Recognition logo boards for Corporate Sponsors at the following CSI events:

Golf Tournament, Product Show, 60th Anniversary/Christmas Celebration, and Monthly Meetings –including logo projection on screen prior to each meeting.

Logo on Website and in *Specifacts* for entire year.

Half page ad in *Specifacts* “Special Edition” 60th Anniversary/Christmas Celebration.

ADVERTISE YOUR BUSINESS HERE

Advertising in *Specifacts* is an inexpensive way to get your business message out to the CSI members.

It also helps support the efforts of our local Nashville CSI chapter. Below are our affordable rates. For more information, please contact:

Mike Martin
specifacts@southeastassociates.com

Business Card: \$100 for 6 editions

Quarter Page: \$35 per edition
\$150 for 6 editions

Half page: \$50 per edition
\$250 for 6 editions

Full page: \$100 per edition
\$500 for 6 editions





CSI Nashville - Officers & Directors/Committee Chairs & Co-Chairs

July 1, 2018 – June 30, 2019

President	Michael Gober	615-351-7468	michael.gober@shawinc.com
Past President	Dan Cress	615-523-5235	dcress@tmpartners.com
President Elect	Jerry Curtis	615-969-8970	tnbass@comcast.net
Treasurer	Jack Potter	615-370-8500	jpotter@hfrdesign.com
Secretary	Derek Hickman	615-953-9474	derek@wisengineers.com
2nd year director	Kevin Russell	615-767-6139	kevin.dotson.russel@gmail.com
2nd year director	Jill Colby	615-330-2746	jillcolby@colbyassoc.com
2nd year director	Jarrold Finger	865-850-8707	jarrod@wisengineers.com
1st year Director	Jim Christain	615-495-1971	JChristain@aol.com
1st year director	Beth Hargis	931-239-0797	bhargis@hfrdesign.com
1st year director	Harry Harris	615-370-3252	hharris@hnmharchitects.com
1st year director	Doug Johns	615-794-1247	djohns@franklinhousingauthority.com

6 of the above persons must be present at board meetings for a voting quorum

Committee Chairs & Co-Chairs

Awards Regional Chair	Kevin Corkern	615-517-5184	kcorkern@comcast.net
Awards Institute Chair	Troy Williams	615-645-5929	twilliams@cauthenandassoc.com
Certification Chair	Carl Manka	615-351-1177	CManka@comcast.net
Certification co-chair	Lynn Jolley	615-876-8096	ljolley@comcast.net
Education	Ray St. Germain	615-418-9359	rstgermain@bathfitter.com
Emerging Professionals	Jarrold Finger	865-850-8707	jarrod@wisengineers.com
Emerging Professionals co	Kevin Liegebel	615-250-8678	kriegibel@southeastventure.com
Golf Tournament	Kelly Pugh	615-339-3387	Kelly.pugh@ppg.com
X-mas/ 60th versary Chair	Jerry Curtis	615-969-8970	tnbass@comcast.net
X-mas/ 60th versary Co	Tiffany Goulet	615-423-8321	tiffany@nexgen-cr.com
X-mas/ 60th versary Co	Melanie Kenney	615-979-9497	mkenney@leebe.com
Membership	Jill Colby	615-330-2746	jillcolby@colbyassoc.com
Membership co-chair	Tiffany Goulet	615-423-8321	tiffany@nexgen-cr.com
Planning	Tom Parshall	615-479-6199	tlparch@bellsouth.net
Product Show	Melanie Kenney	615-979-9497	mkenney@leebe.com
Product Show co-chair	Tiffany Goulet	615-423-8321	tiffany@nexgen-cr.com
Programs			
Social Media	Tyrone Bunyon	423-326-4872	tbunyan@tmpartners.com
SpecHeads	Jerry Curtis	615-969-8970	tnbass@comcast.net
Specifacts	Mike Martin	615-864-6350	mike@southeastassociates.com
Toast and Tour	Tim Yoko	615-377-9773	tyoko@tmpartners.com
Toast and Tour co-chair	Lauren Laumeyer	615-277-0360	LLaumeyer@binkleygarcia.com
Website	Tiffany Goulet	615-423-8321	tiffany@nexgen-cr.com
Photography	Tyrone Bunyon	615-377-9773	tbunyan@tmpartners.com
Photography	Jim Christain	615-386-9962	JChristain@aol.com

CDT classes: Lynn, Carl, Cheryl, Jerry Preston, Kevin Corkern