

THE MEMPHIS

# PERSPECTIVE

JANUARY 2017 Edition

CSI OCTOBER CHAPTER MEETING  
NOTE TIME AND PLACE CHANGE!!!

THURSDAY January 12, 2017

11:30am (Lunch Meeting)

Holiday Inn University of Memphis in the Medallion Lounge

3700 Central Ave. 38111

A presentation by

Kent Kile with PPG

Frank Lloyd Wright COLORS

INVITE A FRIEND OR COLLEAGE



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[csimemphis.org](http://csimemphis.org)

## CSI

Founded in 1948, the Construction Specifications Institute is a not-for-profit technical organization dedicated to the advancement of construction technology through communication, research, education and service. CSI serves the interests of architects, engineers, specifiers, interior designers, contractors, product manufacturers and others in the construction industry.

[www.csinet.org](http://www.csinet.org)

## CSI Membership

Architects, engineers, contractors, and manufacturers—14,000 members strong—are in touch with one another through their Construction Specifications Institute membership. CSI provides contacts in the construction industry as well as provides you up-to-date information to help you do your job efficiently and effectively. Yearly Institute membership fee is \$250 plus \$40 Memphis Chapter fee = \$290; Institute membership fee for an Emerging Professional is \$125 plus \$40 Memphis Chapter fee = \$165.00; and Institute membership fee for students is \$30 plus \$10 Memphis Chapter = \$40.

Contact: Richard Hill [richard.hill@basf.com](mailto:richard.hill@basf.com)  
662-420-9563

## Tabletop Displays at Monthly Meetings

At each monthly meeting, the Chapter encourages all members to provide a table display of their product and/or services for inspection and education of those attending the meeting. After the meal and prior to the program, the displayer will be given five minutes to address the group. The table display is also encouraged to be represented during the social hour and after the program for any questions by the attendees. The presentation fee for this time is \$25.00.

Table Top Info. - Mike Zielinski  
[mzielinski@lrk.com](mailto:mzielinski@lrk.com)  
901-652-5612

## The Memphis PerSPECTive Information

*The Memphis PerSPECTive* is published ten times a year by the Memphis Chapter of the Construction Specifications Institute. Appearance of products or services, name or editorial copy does not constitute an endorsement by the Memphis Chapter of CSI nor any of its members.

Circulation of *The Memphis PerSPECTive* includes over 500 people consisting of members of the Memphis Chapter of CSI, members of the Memphis AIA Chapter, CSI Regional editors, the CSI Institute and other interested persons nationwide. To be included on future mailings, forward your name, mailing address, and e-mail address to the following address:

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Memphis, TN 38187-2349

You may also access a complimentary copy of *The Memphis PerSPECTive* online at [www.csimemphis.org](http://www.csimemphis.org).

### SUBMITTING ARTICLES

Readers are encouraged to submit articles of interest within the construction industry for publishing. Articles on individual projects whether currently in design, under construction, or recently completed are encouraged.

Any printed articles, photos or program inserts should be forwarded to:

**The Memphis Perspective**  
Attn: Danny Clark  
[danny62clark@gmail.com](mailto:danny62clark@gmail.com)  
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Articles and images should be submitted in electronic format via digital media or email. Microsoft Word documents are strongly preferred for articles, minus tabs and any other formatting. All images must include a date and caption. If printed photographs are submitted, please include SASE

### MAGAZINE ADVERTISING

The advertising rates for 10 issues of *The Memphis PerSPECTive* in printed version and as published in the CSI Memphis Chapter website ([www.csimemphis.org](http://www.csimemphis.org)) are as follows:

| <u>5 Issues</u> | <u>10 Issues</u> |    |       |
|-----------------|------------------|----|-------|
| One-Eighth Page | \$100            | \$ | 200   |
| One-Fourth Page | \$200            | \$ | 400   |
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## CSI Memphis Chapter Meeting

**Board Meetings:** 5:30pm - Monday preceding Chapter Meeting

**Place:** Allen + Hoshall Conference Room 1661 International Dr., Memphis, TN 38120

**Chapter Meetings:** 11:30am Second Thursday of the month (except Dec., April, July)

**Place:** Holiday Inn University of Memphis in the Medallion Lounge

**Cost:** \$20 for members and guests; \$10 for students (*sponsors may cover student costs*)

## CSI Memphis Chapter Calendar 2016-2017

**January 12, 2017:** Kent Kile/PPG: FLLW Colors

**February 9, 2017:** Cooper Pickle/Hilti: Firestopping 101: Life Safety and Relevant Code Developments

**March 9, 2017:** Leo Paradis/Advanced Building Products: Designing and Detailing Exterior Walls for Moisture Control

**April 20 Build It 2017 Products Display Show**

**April 20, 21, 22: date Tentative: GSR Region Conference** to be held in Memphis

**May Plant Tour TBD** (*tentative program place holder*)

**June 10, 2017: Awards Banquet** at the Butcher Shop (Cordova)

**July 15, 2017: Transfer of Power Meeting** at Allen + Hoshall (*time, date and place indicated are tentative meeting place holder*)

**GO TO [csimemphis.org](http://csimemphis.org)**  
**Everything you need to know about CSI Memphis and more.**

## CSI Memphis Chapter President's Message



**Hans Dietrich Faulhaber,  
Architect  
CSI Memphis  
Chapter President**

Greetings Memphis Chapter CSI!!

We have real news here: **the time and place for our chapter meetings has been changed.** The Board deliberated and determined to change from a plated dinner meeting to a **buffet lunch meeting starting at 11:30am.** The venue has changed to the **Holiday Inn on the University of Memphis** campus. The location is more central to our membership and having a lunch meeting instead of a dinner meeting should translate into more members and guests attending. Oh, one more thing: the cost of the meal has DECREASED by \$5.00 to \$20 for members.

We have had some Board changes over the past few months. Richard Hill's work schedule has caused him to decline the position of President. Our very own **Julie Fleming** has stepped up and will become the next President of our chapter!! Way to go Julie!! Richard will maintain a seat on the board and in fact will replace Julie's Board position. **Gary White** has agreed to take Ken Hudson's Secretary position also due to Ken's work schedule. We should have a succession plan for the next couple of years which is really good news for the chapter.

This month's meeting program is by **Kent Kile** with PPG on the colors of Frank Lloyd Wright. I've actually seen this presentation before and is why I asked Kent to present it to our chapter. I found it very interesting and informative and I am sure you will too.

Please don't get tired of reading this plea: I want to encourage everyone who reads this-member or not- to contribute to the **Dempsey B. Morrison Scholarship Fund.** This is a tax deductible contribution to the extent allowed by law. I encourage you to **make a donation** to this very worthy scholarship fund. CSI Memphis in partnership with the University of Memphis provides two scholarships that fully fund the tuition for the two selected students for one year. This can eliminate a financial hardship that might exist and in turn provide peace of mind to the student allowing them to focus on their studies and not fund raising activities. I knew Mr. Morrison and had him as a drafting teacher while attending State Technical Institute at Memphis-now SWTCC. Please consider a donation to this very worthy endeavor. ***If I can donate to this very worthy fund...so can you!***

We are currently in the planning stages for the Gulf States Region Conference to be held right here in lovely Memphis next April. Our very own **Jeffrey Parnell** is heading up this effort and doing a fine job. In upcoming issues we will provide the schedule, the speaker's bios, and the classes that will be available for continuing education. So be on the lookout for what's coming!

Once again I ***thank you*** for the opportunity to serve the *chapter* in this honorable position. I am humbled by the history of this chapter and its membership, past and present and hope to have an effective, productive and meaningful term. My phone is always open so if you have questions, comments, recommendations or simply suggestions give me a call. I'll see you at our next meeting!

Hans Dietrich Faulhaber, Architect  
The University of Tennessee





**MEMPHIS CHAPTER CSI**  
**IMPORTANT NOTIFICATION!!**  
**MEETING LOCATION AND TIME CHANGE!!**

Beginning with our January 2017 chapter meeting, the Memphis Chapter CSI will meet for LUNCH and not dinner. The meeting location will also change to the Holiday Inn University of Memphis in the Medallion Lounge 3700 Central Ave. 38111 on the University of Memphis campus. The program time will be from 11:30am to 1:00pm. We will not change the program-there will be a speaker and CEUs will be offered.

***The next Chapter Meeting will be:***

**January 12, 2017 at 11:30**

***The speaker will be:***

**Kent Kile with PPG who will present his program on Frank Lloyd Wright colors**

**AND the cost for the program is free-the cost for the meal has been reduced to \$20.00!**

**Reservations are still required and no shows will be billed. You can prepay online at CSIMemphis.org OR pay at the door.**

**Please plan to attend and bring a friend!!**

*This article will explore what occurs during and after a site visit. It will also explore what should be documented in order to ensure good construction administrative practices are employed when this report is accomplished.*

What is a site visit and why is it necessary? What is meant by field reporting and what information should be included in the field report? These are questions that relate directly to the on site observation and inspection activities of the designer.

Concurrent with the submission of the contractor's pay app, the designer produces a field report for the Owner to review. The intention is to apprise the Owner of the activities of the contractor and whether or not the work complies with the contract requirements. The designer's job is to visit the site and review and observe all of the construction activities in progress. The designer will also observe the work in place and determine if it meets the intent of the contract documents and if not report on the deficiencies. This activity also speaks to the product quality achieved during the construction process. The report is for the benefit of all parties to the construction project.

The field report should always consist of the following:

- The weather for the date of the visit including:
- The temperature
- The visibility (i.e. clear sky, overcast)
- Precipitation (if any)
- Site conditions (dry, muddy, etc.)
- The time of day of the visit
- Who accompanied the field reporter
- A listing of current activities in progress at the time of the visit and an estimated percentage of completion for the activity
- A listing of observations and deficiencies
- Photographs

These topics represent the bulk of the field reporting information except for photographs which are sometimes attached to or integrated into the overall report. The intent and purpose of the Field Report is to inform the reader of the progress or current status of the project. The following discussion will look into each of these items in greater detail and explain why each is important information to be included.

The weather for any project is important. In fact, aside from any unforeseen changes to the Work, the weather is the primary reason for time extensions. The temperature will tell the reader if certain activities can be in progress at the time of the report. For example if the temperature is below 0 and steady or falling, concrete placement can not occur without special considerations to its installation. Those special considerations must be specified in order for that activity to occur. Visibility and precipitation are related to one another in that if the day is overcast there is a good chance that precipitation will be encountered during the day which may or may not affect visibility.

If there was rain in the morning and the site dried out by the afternoon when the field visit took place, the time of day will be important to point this out for that particular day. This will inform the reader that there may have been limited activity in the morning but by afternoon progress, albeit still limited, was being made. The time of day may have a relationship to who is on site and what activities are occurring. To ensure that construction personnel are available to accompany the reporter every effort should be made to accomplish the visit during normal construction hours (typically 7:00 am to 3:00 pm). Making these arrangements beforehand and informing the site personnel will ensure a successful visit.

The field report should include a listing of constructive activities taking place on site at the time of the site visit. If the list is organized into the CSI format, it can be easily updated. For example if the following items were listed on the first report:

1. Site Grading and building pad erection in progress to 75% completion.
2. Storm sewer excavation to 90%

The subsequent report might read:

1. Site grading and building pad erection to 100% completion
2. MEP underground rough in is in progress to 50% completion
3. Storm sewer excavation to 100% completion
4. Storm sewer piping installation in progress to 50% completion

**Continued on page 7**

## Construction Field Reporting (continued)

### Continued from page 7

This allows the field reporter to easily keep a running assessment of the construction activities and percentage of completion of each item. Coupled with photographs, the reader will get a clear picture of the activity and the status of completion.

Listing the observations will tell the reader what is currently underway. These activities will directly relate to the scheduled activities and will tell the reader if those activities are on or off schedule. The estimated percentage of completion will also relate to the application for payment and the scheduled draw percentage. If the observation for a given activity is at 50% and the draw on the application for payment is for 75% of completion, a discussion with the contractor might be in order to ascertain the discrepancy.

Photographs are now more commonly integrated into digitally composed field reports. Supplemental photographs will allow the reader to see the “real time” status of the described activity. Photographs also offer undisputed evidence of status as opposed to a written description and a percentage estimate of completion which tends to be subjective.

The designer preparing the field report is observing and *not* inspecting. To observe is to notice or perceive activities as they occur. Designers inspect a project twice during the life of a contract: once at Substantial Completion where there is an inspection report, commonly called a punch list or listing of project defects and once again at Final Completion. Inspecting implies taking a detailed look at the finished construction for acceptability, compliance with the contract documents and adherence to the project design intent. It is the “acceptability” aspect that causes the listing of construction defects or punch list to be generated. Observations, while casual in nature and not specifically an “inspection”, should identify construction issues prior to completion that require contractor attention for remedial corrective effort which are documented in the field report.

The AIA Document A201 General Conditions of the Contract for Construction (2007), Article 4, paragraph 4.2.2 states that “*the Architect will visit the site at intervals appropriate to the stage of construction, or as otherwise agreed with the Owner to become generally familiar with the progress and quality of the portion of the work completed*”. The “intervals appropriate to the stage of construction statement” typically refers to the production of a field report occurring at a minimum of once a month concurrent with

the contractor’s submission of their Application for Payment. The “generally familiar” statement relates directly to the observational aspects of the site visits. The same section further confirms that notion by stating that “*the Architect will not be required to make exhaustive or continuous on-site inspections to check the quality or quantity of the work.*”

Regarding the Architect’s requirement to keep the Owner informed of the progress and quality of the observed work, AIA Document A201 states that “*the Architect will keep the Owner reasonably informed about the progress and quality of the portion of the Work completed.*” Regarding other issues observed during the site visit AIA Document A201 further states that the Architect will “report deviations from the contract documents and from the most recent contractor issued construction schedule as well as defects and deficiencies observed in the Work during the site visit.

Different size projects might require different levels of field reporting. For example a very small tenant infill project might not require that a fully detailed report be generated and supplemented with photographs. The size and complexity of the project should be the defining factor determining the field reporting level of detail and whether or not it should be supplemented with photographs. Most project manuals require that the contractor provide construction progress photos for record. For smaller projects, it is often acceptable to allow the contractor’s construction status photos be the record photos for the project.

In conclusion, it is very important that field reporting for a project be a regularly occurring activity, typically coinciding with the contractor’s application for payment; more frequently if it is warranted. The importance of field reporting and assisting the contractor in achieving the constructive intent of the contract documents can not be understated. The central focus of field reporting is to observe construction issues while they are under construction and not at a finished level of completion. If field reporting occurs in this manner, the punch list inspection to come will have fewer defective items listed thus allowing for a quicker completion of the project at a higher level of quality by the contractor. The higher quality product is appreciated by the Owner and everyone is satisfied with the constructive outcome.

Hans Dietrich Faulhaber, Architect, CSI, CDT © 2017  
The University of Tennessee





## Dempsie B. Morrison Scholarship Fund

2017 - 2018 Campaign | September 1, 2016 - January 31, 2017

Dempsie B. Morrison, Jr, FCSI was a practicing architect, specifier, and teacher deeply involved in the CSI Memphis and National chapters. The CSI Memphis Chapter continues to honor his memory by awarding the Morrison Scholarship to University of Memphis Architecture students that show exemplary performance in academics as well as involvement within the CSI Student Affiliate.

Awarded each year since 1979, the Dempsie B. Morrison, Jr. Scholarship is funded in partnership with the University of Memphis. Contributions collected by the CSI Memphis chapter are matched in order for two students to receive full tuition funding for the academic year. Since its inception, the Scholarship has impacted more than 25 students in an amount over \$108,000.

With your support, CSI Memphis will award two scholarships in May of 2017 to students that will continue to honor the spirit of Dempsie B. Morrison, Jr. in the future. This scholarship makes a significant impact:

### *2016-2017 RECIPIENT SPOTLIGHT Nester Lobos, 1st year graduate student*

"This scholarship, which has been generously granted, allows me to direct my undivided attention to my design education, instead of my financial status. Words cannot describe the enormous gratitude and honor I feel for being a recipient of this prestigious award.

This urban monastery takes inspiration from the immediate train tracks located west of the building, from the shape of the structure to the wood panels mimicking the wooden boards of the railroad tracks. As the building begins to be further developed, the red box is identified as the primary vertical circulation space. By creating a simplistic design, this allows the beauty of the design to shine with the vegetation, the play of light and shadow, and richness of the selected materials."



Please join us in celebrating the legacy of Dempsie B. Morrison by donating to the Scholarship fund through the attached contribution form. Thank you for your continued support; your generosity is greatly appreciated by CSI Memphis and all Scholarship recipients.

Sincerely,

Julie Fleming Scholarship Chair  
Kate Haywood, 2008-09 & 2009-10 Scholarship Recipient



## Dempsie B. Morrison Scholarship Fund

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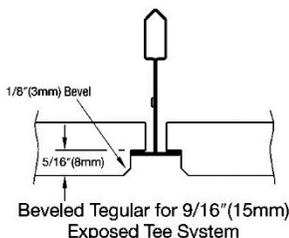
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## REGULARITY

by Sheldon Wolfe, RA, FCSI, CCS, CCCA, CSC

As part of an update of approved abbreviations, my office changed its long-standing *ACB* (acoustic ceiling board) to *ACT* (acoustic ceiling tile). Before coming to this office I had always seen *ACT*, and it took a bit of time to get accustomed to *ACB*. No one knows where this unusual abbreviation came from, but it is the more logical of the two, as it includes both acoustic ceiling tile and acoustic ceiling panels. Still, it was decided to change from *ACB* to *ACT* because *ACB* is unusual. I doubt many contractors will ask an architect, "What's *ACT*?" but it has not been uncommon for contractors, subs, or suppliers to ask us what *ACB* is.



The change reminded me of a discussion at a CSI technical committee meeting many years ago when we discussed correct terminology for SpecText. It also brought to mind a similar discussion on LinkedIn, which opened with the question, "Ceiling *TILE*" or Ceiling "*PANEL*" -- What's the correct usage?" At the time of the former discussion I thought, as many do, that ceiling tile is 12 inches square, while ceiling panels are 24 by 24, or 24 by 48 inches. That belief lingers on, and appeared in the LinkedIn discussion.

One of the difficult things about specifying ceiling panels or tiles is the inconsistency of manufacturers' literature. It appears that the only commonly used standard is ASTM E1264 - Standard Classification for Acoustical Ceiling Products, which defines both acoustical panel and acoustical tile.

3.2.1 acoustical panel—a form of a prefabricated sound absorbing ceiling element used with exposed suspension systems.

3.2.2 acoustical tile—a form of a prefabricated sound absorbing ceiling element used with concealed or semi-exposed suspension systems, stapling, or adhesive bonding.

Although E1264 defines panels and tiles, those terms often are used interchangeably. Note that neither definition refers to size or shape, the distinction being based entirely on how the acoustic boards are suspended. In fact, dimensions are not referred to in the standard, nor is configuration; the panels or tiles can be any size, and they don't have to be square.

Even though the meanings of the terms panel and tile are clarified, E1264 is a surprisingly complicated standard. In addition to the two definitions above, it specifies fifteen *Types* (I through XIV, plus Type XX), some of which have three or four *Forms*, thirteen patterns (A through L, plus Z), flame spread classifications, and several edge designs: butt, reveal, kerfed and rabbeted, square, and beveled. Despite the inclusion of so many characteristics, the standard remains vague, using imprecise terms such as "large holes," "small holes," "lightly textured," and "heavily textured."

In practice, the complexity of E1264 is rarely, if ever, invoked. Drawings typically show ceiling panel and tile dimensions, and finish schedules and specifications typically define other characteristics by specifying specific manufacturers and model numbers, so there is no need to understand all the details of E1264.

We use standards to improve consistency and to minimize confusion. While I don't think anyone is going to have a problem with this specific item, applying the same logic to an entire project is bound to cause problems. For example, and this is an all too common problem, the same material may be identified by different terms in the same set of documents. Why can't the design intent be expressed using accepted definitions and standards?

On a related topic, what's a tegular edge? Going back to the CSI committee meeting I mentioned before, we found that it's a term perhaps first used by Armstrong for a specific edge detail. Armstrong defines tegular as "A functional edge detail that allows a suspended ceiling panel to extend below the grid, making the grid less noticeable." I don't believe Certainteed, National Gypsum, or USG use that term, though Rockfon does. And yet, I often see "tegular edge" used as if it applies to all acoustic ceiling manufacturers, probably because it sounds cooler than reveal edge. Those who use the term don't always know what it means; if I say, "Do you mean a reveal edge?" the response is often, "No, tegular."

By the way, tegular is a real word, meaning "pertaining to or resembling a tile." According to A.Word.A.Day (highly recommended!), the etymology of tegular is:

"From Latin tegula (tile), from tegere (to cover). Ultimately from the Indo-European root (s)teg- (to cover), which is also the source of thatch, deck, detect, stegosaurus, tog, and protege. Earliest documented use: 1828."

## TEGULARITY

by Sheldon Wolfe, RA, FCSI, CCS, CCCA, CSC

(Continued from page 10)

That makes the way it's used a bit odd, as it doesn't describe the panel itself, which resembles a tile. Instead, it is used to describe only the edge, which does not resemble a tile. To say it pertains to a tile means nothing, as all edges of a panel or tile obviously are related to the tile.

The first definition of *tile* is usually something like "a thin slab of hard material such as baked clay laid in rows to cover walls, floors, and roofs." A couple of ceramic tile reps insist that the stuff they sell is *the* tile, and that what goes on ceilings is something else, but not tile. Finally, tegular comes from tegula, which, in construction, means roof tile. (See "Imbrex and tegula" in Wikipedia.) Apparently, some ceiling tile looks like roof tile.

Using a defined term is always the way to go, assuming the

term is defined in an accepted standard. ASTM E1264 shows a detail of a *reveal edge*, and most manufacturers use that term. They often modify it with beveled, angled, square, wide, and narrow, but it remains a reveal edge. In this case, ignoring the standard definitions has resulted in a bit of potential confusion, but widespread use of *tegular* has essentially created a new standard term.

If the suppliers know the specifiers are using terms interchangeably they won't assume that either is used correctly, and if it appears to specifiers that suppliers don't care, well... I guess it all works out.

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Agree? Disagree? Leave your comments at

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THE CONSTRUCTION SPECIFICATIONS INSTITUTE



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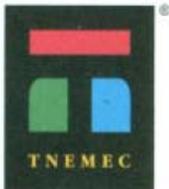
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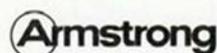
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