

# Southwest Missouri Chapter

# CSI

A Publication of the Southwest Missouri Chapter, Construction Specifications Institute, Inc.

July 2010

Volume 15 — Issue 07

**Thursday**  
**July 22, 2010**

**“Acoustic Ceilings: *for the eye, the ear & the mind*”**

### Course Content:

- A critical look at what is really in a ceiling catalog:
  - The true nature of sound absorption
  - Why the NRC everyone loves is of limited value
  - How the value of CAC is frequently misinterpreted
  - Why LR (light reflectance) has a limited effect on design
- Examination of how ceilings should relate to indoor air quality:
  - How to know what you are specifying
- Examination of aesthetic detail as it applies to facility design:
  - View unique designs created from standard products
- Empirical evidence of the power of quiet spaces:
  - Productivity in office design
  - Better test scores in schools
  - Improved recovery in healthcare design

**Presented by:** Mr. Bob Chambers, CSI  
Architectural Sales Manager  
Ceilings Division  
CertainTeed Corporation

1 CEU (HSW) or .1 PDH awarded

**July 15—SCA Pig Roast**



## July CSI Meeting

**Date:** July 22, 2010

**Location:** The Pasta House  
4109 S. National Ave.

**5:30** Social (Cash Bar)

**6:15** Dinner & Program

**Cost:** \$12.00 +/- per person

## July Board Meeting

**Date:** Wednesday, July 28

**Time:** 4:30 p.m.

**Place:** The Dancing Mule  
South Glenstone



Tom Burch  
Branch Manager

2110 E. Rockhurst  
Springfield, MO 65802  
Phone (417) 865-9991  
Fax (417) 865-9995  
Mobile: (417) 353-0594  
Email: tomb@mtscontracting.com

Since 1996

## UNIVERSE®

CLADDING/DAYLIGHTING SOLUTIONS

3333 Foerster Rd • St. Louis, MO 63044 • (314) 439-2800 • Fax (314) 439-2801  
WWW.UNIVERSECORP.COM

Chuck Davis / Matt Ford

(314) 439-2821 chuckedavis@universecorp.com

Material-Installed Solutions

- Alucobond and Alpolic - Aluminum Composite Material
- Trespa - Solid Composite Cladding
- Centria - Insulated Foam and Profile Panels
- Solatube - Tubular Daylighting Devices

"Architectural Cladding & Daylighting Specialists"



A DIVISION OF JOPLIN BUILDING MATERIAL CO.

BOB VEACH

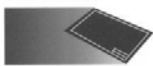
Cell: 417-529-9806

Ph: 417-823-3700  
Fx: 417-823-3737

888-641-4154  
bob@jbmco.com

3100 E. Division, Springfield, MO 65802  
www.springfieldbrick.com

## SBP



SPRINGFIELD BLUE PRINT & PHOTOCOPY CO., INC.

SINCE 1930

Tel. 417.869.7316  
800.458.9731  
800.999.2510

Fax. 417.869.2219

E-Mail parnold@spfdblue.com

Web www.spfdblue.com

PHILIP ARNOLD  
Sales Representative

Vickie  
Enloe

- Mortar Net
- Burnished CMU
- Glazed CMU
- Hyload Flashing
- Walltite Air Barrier
- CTP Masonry Anchors

MASONRY  
AirBarrier

800 | 373 • 6563

816 | 561 • 9229

f 816 | 561 • 3883

• LEED AP • CSI-CDT

• CM - Certified Consultant of Concrete Masonry

V@EnloeEnterprise.com

www.EnloeEnterprise.com

Enloe Enterprise LLC

## President's Message

A new chapter board has been installed and now you have to look at this ugly mug shot for the next 12 months. I would like to pass on a special thanks to the previous board for their time and energy and for a successful past year. Several of our meetings over the last few months had record attendance.



Our new board convened on June 26<sup>th</sup> to discuss our objectives for the next year and several new ideas were presented that will hold current momentum and hopefully propel us forward. Some of our objectives include:

- Over the next year we plan to have more member involvement in the newsletter with articles from our membership.
- As in the past, we will have our Member Mixer at Hammonds Field again in August. We are upgrading from the deck seating up to a booth this year so you will not want to miss this.
- As was mentioned at several meetings, we are hosting our own North Central Regional CSI Conference next spring. As part of our preparation for this event, we are sending a few of our own members to this year's regional conference up in Green Bay, Wisconsin, so we can both participate at a regional level and promote our conference. Plus we will get to see how it is done so we can make our conference even more successful. Any of our members can attend this event for free as long as they pay for all travel, hotel, food and other misc expenses so there is no reason why you all should not attend.
- We are considering putting together a CSI float trip. More details to be announced later.
- Recently we have added to our website the ability to use PayPal and more changes are planned for our website this year. If you have suggestions, please pass them on.
- We have several community outreach projects in the works including a clothes drive and educational presentations to our youth to show them the opportunities in the construction industry. We will be asking for volunteers for this as our program develops.
- We are looking into providing several breakfast seminars in addition to our regular monthly meetings for those who find it difficult to attend meetings in the evening.
- We are working to develop a more reliable method of getting the certificates out to those who attend the meetings.

I am really excited about our objectives and I know that if we can pull off half of this it will be a successful year so please continue to support our chapter and invite a non member to our meetings so they can see what a great organization we have. I believe that continuity in communication is very important so please continue to pass all complaints on to Mike Coan!

Travis Miller, P.E., CSI

Questions or comments?  
You may contact Travis at:  
Office: 417-866-6664  
travis@millerengineering.com

# Passing the Baton (gavel)



Mike Coan, CSI, left, outgoing president, presents the traveling gavel plaque to Travis Miller, P.E., CSI, as he takes on the role of Chapter President for FY 2010-2011.



In appreciation for the job well done by Mike Coan, Travis presented him with an engraved plaque and a certificate of appreciation received from the President of the Institute.



Dustin Stull, CSI and Crystal Shotts, CSI, show off their certificates received for their fine work over the past year.

Photos by: Matt Boehmer, ASLA, CSI



2836 W. DIVISION STREET  
SPRINGFIELD, MISSOURI 65802

**GARY COTTER**  
Sales Manager  
Phone: 417-862-9203

**AARON HARLESS**  
General Manager  
Fax: 417-866-1666



**Chip Wood**

**Sierra Building Products**  
www.sierrabp.com

1335 N. Stewart  
Springfield, MO 65802  
Phone: (417) 873-2200  
Fax: (417) 873-2201

Mobile: (417) 353-0329  
Nextel #: 140\*44\*2  
Email: cwood@sierrabp.com



a Berkshire Hathaway company

Since 1891

**Chance Peebles**  
Architectural & Residential Brick Sales

(417) 883-0502 office  
(800) 383-1502 office  
(417) 883-0269 fax  
cpeebles@brick.com

2325 W. Battlefield Road  
Springfield, MO 65807  
www.brick.com



6701 W 64<sup>th</sup> St., Suite 221 Overland Park, KS 66202  
Phone: 913.722.3213 Fax: 913.722.4233

**Citadel Architectural Panels**  
**Route & Return – Reveal – Rainscreen Systems**  
**Morin Wall Panels & Roof Systems**  
**Benchmark – Factory Insulated Panels**  
**Lowlers & Sunscreens**  
**Petrarch Stone Panels**  
**Sunoptics Daylighting**  
**Epic Metal Decks**

**Jim Day**

**Darin Barta**

**Scott Goebel**



A Berkshire Hathaway Company

1900 Joe Lane  
Kearney MO 64060  
816 635 9939 Fax

**Denise Shibley**  
Sales Agent  
Roofing Systems

816 872 8863 Cell  
dshibley1@aol.com  
www.specjm.com

# On the Way to a C of O.

Cecelia's voice came across the intercom, *"Dennis Beck on line 1."*

*"Hello, Dennis, how are things going out there as the job is wrapping up?"*

*"Bob, we've looked all through your plans and specs and can't find any location or reference to fire extinguishers. I've run into this before and know that the local Fire Department will not allow issuance of a Certificate of Occupancy until they are installed."*

*"I wondered if this question would arise, Dennis. You know, the plans went through the fire department during plan review and no questions were raised then. BOCA-86 (under which the building was built) does not require portable fire extinguishers in a 'B' Occupancy, which is, of course what this building is, and why there are none shown or required as far as I'm concerned."*

*"That may be the case, but the fire department seems to be able to trump the building code when it decides it wants to. Would you call over there and see what you can do?"*

Dennis, then president of D. Beck Construction, was building a four-story office building for us in the mid to late eighties. The building was fully sprinklered (to allow the fourth floor when of 2C-noncombustible construction) and as mentioned above, built under the BOCA-86 Code and classified as B (business) occupancy. Whereas BOCA-86 did require portable fire extinguishers in certain occupancies, 'B' was specifically exempt, as were a few others. Portable fire extinguishers, when required by the code according to the article dealing with portable fire extinguishers, were to be provided and installed in accordance with the standards of Factory Mutual, which was also referenced in the appendix.

*"Good afternoon. This is the Fire Department, may I help you?"*

*"This is Bob Boehner, Architect, could I please speak with the Fire Marshall?"*

*"Yes, please hold for a moment.."*

Music—even then.

*"Hello, this is Fire Marshall Samuel Knight, may I help you?"*

*"Marshall Knight, this is Bob Boehner, Architect. Beck Construction is building the four-story office building for us on the north side of town and is questioning the fact that we do not show nor specify portable fire extinguishers in our construction documents. We received no comments concerning this from either Building Regs, or from your department during plan review. It is our understanding that the BOCA Code does not require portable fire extinguishers in a 'B' occupancy—and besides that, the building is fully sprinklered, as by now I'm certain you are aware."*

*"Bob, the Fire Department itself has adopted Factory Mutual as guidelines for all buildings, and Factory Mutual requires portable fire extinguishers and specifically spells out the type and distance requirements for the various occupancies. I'm afraid we may have missed this during plan review, but they will have to be provided in accordance with FM before we can authorize issuance of a C of O."*

*"Mr. Knight, I understand that when the Building Code requires the fire extinguishers, they certainly must meet Factory Mutual requirements, however, the Code specifically exempts this particular occupancy."*

*"I'm not a big believer in portable fire extinguishers. First of all, I believe my job as an architect is to provide a safe means of egress out of the building in case of a fire, not give someone a false sense of security thinking they might be able to go fight a fire. A good lawyer might even classify them as an 'attractive nuisance'. I believe that we should get the general public out of the building and out of the way and leave fighting fires to people who are trained and equipped to fight fires."*

No Response

*(Continued on page 5)*

# On the Way to a C of O. (con't.)

(Continued from page 4)

L o n n n n g   p a u s e

To Break the Ice

*“In fact, Samuel, I don’t want some 110 lb. secretary to go down the hall 50-75 ft. to get an extinguisher, of which, she has no clue as to how to operate, go back down the hall to a room she thinks is on fire, and then you guys show up and find her on the floor a couple hours later laying beside the extinguisher because she was overcome by smoke—probably never having seen the fire itself.”*

*“You know, that’s happened.”*

*“I know it’s happened, Samuel, and I don’t want my name affixed to some document authorizing them to be installed when they are not required by the code. I don’t believe in first aid. My job, as mentioned before and, as far as I’m concerned, the city’s job also, is to get people out of the building. I can and do support your position if this were a controlled occupancy, such as a warehouse, or a manufacturing plant where occupants of the building are not “transient” in nature and would more than likely be trained for “emergency” situations.”*

*“Well, we see the fire extinguishers in this case as being available to put out a small fire in a waste basket or something like that.”*

*“Well then, how about we provide fire blankets? They are available and come in a wall-mounted cabinet, just like the liquid fire extinguishers. Personally, I would simply carry the smoldering waste basket to the restroom and throw a little water on it and save the clean-up mess left over from a fire extinguisher.”*

*“No, they have to be liquid fire extinguishers as required by Factory Mutual.”*

*“How about we provide them in the janitor’s closet and electrical and mechanical rooms so they could be accessed by someone on the building’s staff that could be trained in their use?”*

*“No, FM requires they be accessible at certain distances.”*

*“Samuel, the stairwells are close enough for the distance requirements of Factory Mutual, how about we place one in each stairwell at each floor landing with a sign that reads, ‘For Fire Department Use Only’.”*

*“No, we can’t do that either!”*

*“Why not?”*

*“We don’t trust your equipment.”*

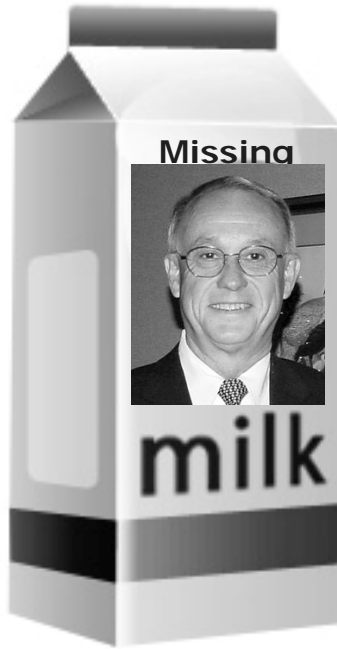
*“Let me see if I understand. You require fire fighting equipment to be placed in my clients’ building to be used by building occupants that are unequipped and untrained to fight fires with “equipment” your own department wouldn’t use because your don’t trust it.”*

*“Bob, it does sound a bit strange when you put it that way.”*

Robert C. Boehner, CSI  
Architect/LEED AP

*The above story is true, in fact, practically verbatim. Some of the names may have been changed in an effort to protect some identities. My apologies to those businesses that sell and service portable fire extinguishers should you interpret my position as opposed to your products. In many occupancies I believe in their value as mentioned. However, in some I do not. More recent codes require portable fire extinguishers in all occupancies.*

## WANTED



If you should see this person, please notify Travis Miller or any *active* CSI member immediately — OR —invite him to our next meeting and let him know he is missed.

Maybe we'll find out if he reads the newsletter. (Does anyone even know who he is?)

### A Big Thank You!

Your Editor and Publisher of 'The Newsletter' over these past many years is attempting to slow down a little in "his golden years", and hopefully take on a few new challenges.

Travis has graciously responded by helping with this issue and has solicited others from the board and chapter to assist as well.

The board has asked that I continue as "Chief Editor", which I am pleased to do. As result of this new blood, there may be a few changes in "The Newsletter", particularly of articles, as we solicit more input from the membership. Note Rob Gentry's article on page 7.

If you feel you can contribute something along the subject that Rob has begun, or want to share your experiences "On the Way to a C of O", let me know, we'll be happy to consider it.

Thanks to Travis and Rob for the help, and thanks to all of you that read and support this "rag".

Bob

## Member Profile,



Jeff Jones, CSI, is an estimator with DeWitt & Associates, Inc. DeWitt is one of the largest local commercial general contractors in the Southwest Missouri region. For fifty years DeWitt has constructed numerous projects including office buildings, parking garages, medical facilities, churches, theaters, and varying types of both primary and secondary educational facilities.

Jeff is a native Missourian, born and raised in Jefferson City. Following High School graduation in 1996 he came to Springfield and Southwest Missouri State University to pursue a degree in Construction Management. Jeff wishes to commend CSI for the continued commitment and outreach to our local educational institutions and students, particularly the CM program at MSU. As a student, in 1998, Jeff was one of the first interns to be hired by DeWitt. Following two years with DeWitt and graduation from MSU, Jeff chose to pursue a Masters Degree at Arizona State University (where he maintained a student membership in our CSI chapter and was kept informed of our goings on while a student at ASU).

During his studies at ASU, Jeff interned with Hoffman Construction. As an intern he performed ADA compliance audits at Intel Corporation's Fab 22 project. Intel's Fab 22 is a 500,000 SF manufacturing facility with a 100,000 SF clean room. The facility produces Intel microprocessors used in computers. With the uncertainty that followed the September 11, 2001 attacks, Jeff decided to enter the workforce after being offered a position with DeWitt as an estimator and he returned to Springfield in 2001. Undoubtedly it is the quality of people in the area (and perhaps the encouragement of his wife to be) that brought him back to Springfield.

Jeff met his wife, Sarah, in college. They have now been married almost six years. Sarah is a Nurse Practitioner with Jordan Valley Community Health Center. The family is beginning to grow with the recent addition of their first child, Eleanor. As all new parents do, they are adjusting to this new lifestyle, but find it a welcome adjustment. As Sarah has said (as do we all), "*we have a newfound appreciation for our friends who have children*".

As an estimator with DeWitt, Jeff has broad exposure on a number of unique projects, with a variety of owners, design professionals, subcontractors and suppliers. The variety of projects and the change in economic conditions over the past nine years has been challenging and ever-changing. With this experience, Jeff has been able to pursue and complete industry certification as a Certified Professional

(Continued on page 7)

# Jeff Jones, CSI, CPE

(Continued from page 6)

Estimator (CPE) through the American Society of Professional Estimators. For those who are not familiar with ASPE and the CPE certification, he encourages you to review the CPE certification process and qualifications. These certified individuals can be a valuable resource to design professionals during the pre-construction process. This certification is held by only a handful in the Southwest Missouri region. In addition he is currently pursuing CSI's CDT certification and LEED Accreditation through USGBC.

Jeff and Sarah enjoy traveling when they are able to get away from their day jobs. In the rush before children began arriving, they managed to go coast to coast visiting the Boston, North Carolina, Seattle, and Hawaii areas. Jeff enjoys golfing, although it seems to be more and more difficult to block out half a day to play.

Jeff appreciates the invitation to formally introduce himself through The Newsletter and looks forward to meeting those of you that he hasn't yet met. He looks forward also to another year of education and fellowship with CSI!

## Crazy, Silly Specs ...

When asked to write this article about Crazy, Silly or Funny things seen on specs, I had to laugh. We all have seen notes or comments by a project coordinator that were accidentally put into the Spec book. Reflect, you can remember some can't you...

Let me share a story with you that recently happened to me. I was reading a Division 9 Spec about Acoustic Ceiling Panels when I read this ...

C1 : 2x2x5/8 Fine Fissured Acoustic Tiles ; Etc...  
Color: Baby \*\*\*\* Green

... WOW, shocked was an understatement, I laughed till I had tears in my eyes!! After a phone call to the Architect, and some interesting conversation and an embarrassing explanation on how that got into the spec, she got it fixed. Remember, no Architect or Designer is perfect, but sometimes we could all use a laugh. Good Reflecting ... If you have some stories, I would like to hear from you, maybe we could have this as a regular article.

Laughter IS a pretty good medicine.

*Rob Gentry, CSI*

Please contact me at: [rgentry@sierrabp.com](mailto:rgentry@sierrabp.com)

# MILLER

ENGINEERING, P.C.

CIVIL AND STRUCTURAL

TRAVIS MILLER P.E.  
PRESIDENT

300 S. JEFFERSON AVE.  
SUITE 302  
SPRINGFIELD, MO 65806

417-866-6664  
FAX: 417-866-6667

E-MAIL: [TRAVIS@MILLERSTRUCTURES.COM](mailto:TRAVIS@MILLERSTRUCTURES.COM)

**WE PROVIDE COMPLETE STRUCTURAL ENGINEERING SERVICES WHERE NO PROJECT IS TOO LARGE OR TOO SMALL. OUR SERVICES INCLUDE BUT ARE NOT LIMITED TO DESIGNING WITH THE FOLLOWING MATERIALS:**

STEEL MASONRY

WOOD CONCRETE

LIGHT GAGE METAL FRAMING

**WE SPECIALIZE IN HEAVY TIMBER DESIGN**

## Neosho

CONCRETE PRODUCTS CO.

851 E. INDUSTRIAL DRIVE  
P.O. BOX 179, NEOSHO, MO 64850-0179  
"SINCE 1953"

READY MIX, BLOCKS, BUILDING MATERIALS, SEPTIC TANKS

**WARREN LANGLAND, C.S.I.**

GENERAL MANAGER

417-451-1645  
800-321-8034

1600 E. St. Louis  
Springfield, MO 65802  
E-Mail: [bcox@erdigital.com](mailto:bcox@erdigital.com)  
CO.: [erdigital@erdigital.com](mailto:erdigital@erdigital.com)

Office: (417) 869-2222  
Cell: (417) 224-2733  
Fax: (417) 869-6534  
Toll-Free (800) 995-3188

Authorized Reseller



**Bryan Cox**  
President

# ER

**Engineers Reprographics**

Providers of digital printing solutions, services and supplies

business partner



## SHERWIN-WILLIAMS.

**Brook Nienstedt, CSI**

Area Architectural Account Executive  
Tech Hotline: 800-321-8194; Color Samples: 800-38-COLOR

The Sherwin-Williams Company  
15484 College Blvd., Lenexa, KS 66219  
[brook.nienstedt@sherwin.com](mailto:brook.nienstedt@sherwin.com) [www.sherwin.com](http://www.sherwin.com)  
Ph: 913-381-8633 Cell: 913-226-0144 Fax: 913-381-8504

2010-2011

**OFFICERS/BOARD/COMMITTEE CHAIRS**

**Officers:**

President: Travis Miller, P.E.,CSI  
President-elect: Kim Beckham, CSI  
Secretary: Julie Dame, CSI  
Treasurer: Tina Brown, CSI

Board Member: Michael Nesbitt, CSI—11  
Board Member: Crystal Shotts, CSI—11  
Board Member: Rob Gentry, CSI—11  
Board Member: Bryan Cox, CSI—12  
Board Member: Rob Gentry—12  
Board Member: Jeff Jones, CSI—12  
Past President: Mike Coan, CSI

NC Region Director Mike Coan, CSI

**Committee Chairs:**

Newsletter Editor: Robert C. Boehner, CSI  
Product Show Advisor: Julie Dame, CSI & Rob Gentry, CSI  
Membership: Crystal Shotts  
Program: Steven Bent, CSI & Craig Schneider  
Newsletter Advertising: Robert C. Boehner, CSI  
Community Outreach: Mike Coan, CSI  
Social: Kim Beckham



Southwest Missouri Chapter

The logo for Mettemeyer Engineering, LLC features a large, stylized letter 'M' composed of horizontal bars. Below the 'M', the company name 'METTEMEYER ENGINEERING, LLC' is written in a clean, sans-serif font. Further down, the name 'ALAN R. METTEMEYER, P.E.' is listed, followed by 'MANAGING PRINCIPAL'. Contact information includes the address '2101 W. Chesterfield Blvd., B105 Springfield, Missouri 65807', phone '(417)-890-8002', fax '(417)-890-8003', mobile '(417)-773-0618', website 'www.mett-engr.com', and email 'a.mettemeyer@mett-engr.com'. At the bottom, the text 'STRUCTURAL / CIVIL' is displayed in a bold, sans-serif font.

2101 W. Chesterfield Blvd., B105  
Springfield, Missouri 65807  
Phone (417)-890-8002  
Fax (417)-890-8003  
Mobile (417)-773-0618  
www.mett-engr.com  
e-mail: a.mettemeyer@mett-engr.com

**STRUCTURAL / CIVIL**

The logo for Connell Insurance, Inc. features a stylized 'CI' inside a house-like shape. Below it, the text 'Connell Insurance, Inc.' is written, followed by the tagline 'Built On Your Trust.' and contact information: 'Direct Ph: 417-973-0818' and 'Direct Fax: 417-973-0718'. A 'Trusted Choice' logo is also present. At the bottom, the name 'Mike Coan' is listed as a 'Commercial Insurance Consultant' with the email 'mcoan@connellinsurance.com'. A large, vertical 'Connell' logo is on the right side of the advertisement.

**Connell Insurance, Inc.**  
*Built On Your Trust.*  
Direct Ph: 417-973-0818  
Direct Fax: 417-973-0718

Trusted Choice®

**Mike Coan**  
Commercial Insurance Consultant  
mcoan@connellinsurance.com

**Connell**

We would love to see your advertising here, or elsewhere in this rag. Interested?

Call Bob Boehner at 417-862-9244

or

E-mail at bob@rcbaarchitects.com



Southwest Missouri Chapter  
The Construction Specifications Institute, Inc.  
c/o Robert C. Boehner, CSI  
503 St. Louis Street  
Springfield, Missouri 65806