



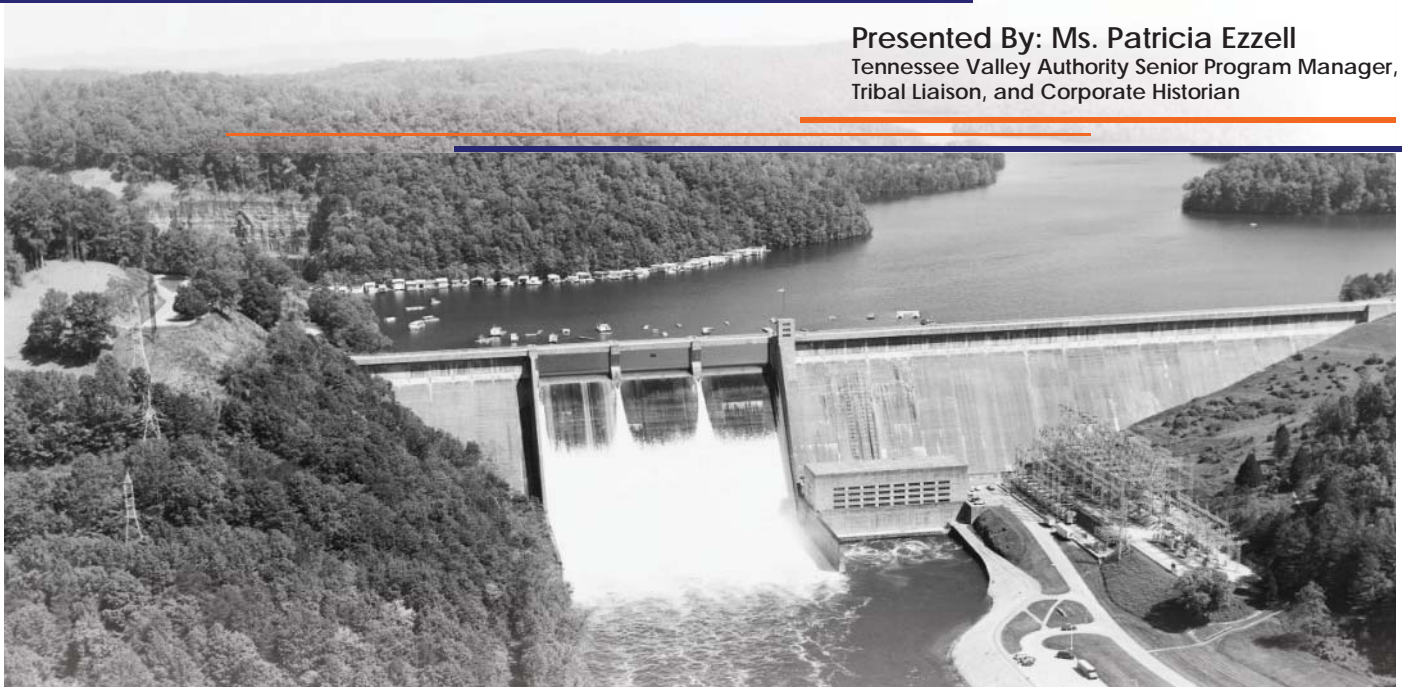
THE SPECK

The Construction Specifications Institute

**CSI/ACW JOINT MEETING
TUESDAY, APRIL 14TH, 2015**

THE HISTORY OF TENNESSEE VALLEY AUTHORITY

Presented By: Ms. Patricia Ezzell
Tennessee Valley Authority Senior Program Manager,
Tribal Liaison, and Corporate Historian



CALHOUN'S ON THE TENNESSEE RIVER

400 Neyland Drive
Knoxville, TN 37902
(865) 673-3355

Our evening meetings are generally on the 2nd Tuesday of each month and are at Calhoun's on the River in one of the upstairs meeting rooms.



Social	5:30 pm
Dinner	6:00 pm
Seminar	7:00 pm
\$0	CSI Members
\$0	First-Time Guest
\$20	Returning Guest/ Non-Members

Please RSVP to csiknox@gmail.com by Friday, April 10th, 2015

ORGANIZED SEPTEMBER 1958 - CHARTERED MAY 1959

THE KNOXVILLE CHAPTER MEETS ON THE SECOND TUESDAY OF EVERY MONTH. GUESTS ARE WELCOME!



CSI KNOXVILLE IS A MEMBER OF THE CSI GULF STATES REGION

THE SPECK Editor

Stacy Flick Colbaugh - Editor
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THE SPECK 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 the following formats: PDF, RTF, TIFF, JPEG, DWG, BMP, EPS, & DOC. Deadlines are the 25th of each month.

CALENDAR OF EVENTS

APRIL 2015

- 07 **CSI Board Meeting** - Tuesday, April 7th, 2015 at 5:30 pm at Odle & Young's Office
- 14 **CSI Chapter Meeting** - Tuesday, April 14th, 2015 at 5:30 pm at Calhoun's on the River. CSI/ACW Joint Meeting. Guest Speaker: Pat Ezzell, TVA Historian. Please RSVP by Friday, April 10th.

MAY 2015

- 05 **CSI Board Meeting** - Tuesday, May 5th, 2015 at 5:30 pm at Odle & Young's Office
- 12 **CSI Chapter Meeting** - Tuesday, May 12th, 2015 at 5:30 pm at Calhoun's on the River. "Project Management for Designers and Constructors" Presented by Steven Downey with CBI Federal Services

JUNE 2015

- 02 **CSI Board Meeting** - Tuesday, June 2nd, 2015 at 5:30 pm at Odle & Young's Office
- 09 **CSI Chapter Awards Banquet** - Tuesday, June 9th, 2015 at 5:30 pm at TBD.

JULY 2015

- 04 **CSI Annual 4th of July Party** - Saturday, July 4th, 2015 at TBD.
- TBD **CSI Annual Planning Meeting** - TBD

CONSTRUCT 2015
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KNOXVILLE CHAPTER: APRIL 2015

- 2 PROFESSIONAL RETIRED
- 2 PROFESSIONAL EMERITUS
- 18 STUDENT
- 47 PROFESSIONAL
- 69 TOTAL



THE PRESIDENT'S MESSAGE

WHAT I LEARNED FROM CSI

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



As a Mechanical Engineer, I have learned something new at each CSI meeting. Some of the items were about painting and finishing of louvers, segmented retaining walls, and causes of structural failure, to name just a few.

Everyone who has stayed at a hotel is familiar with those “beautiful” louvers on the exterior wall serving the room air conditioners. These are necessary for the HVAC units, but can become part of the architectural elements. Other louvers are those very “attractive” items on the building that most architects want to be located on the “back” side of the building. Louvers are required to exhaust noxious fumes and bring fresh outside air or combustion air into a building for the mechanical equipment. While good mechanical designers try to make them as small as possible and coordinate them with the architectural elevations, other designers just locate them in the most convenient location to the mechanical equipment. If they are coordinated well, they can be disguised into an architectural feature band or be sized with the adjacent brick and/or block courses. All of this helps, but if the finish on the louver is not similar to the surroundings, it will scream “look at me” to everyone who observes it. The finish on the louvers is not always

exact. If the louver is to be painted in the field “to match”, it must be a prime coat finish and not a mill finish. The louver must be clean and free from all debris. An anodized finish on a louver is another option, but can be very expensive. The anodized color from a louver manufacturer may not match the anodized color on the window mullion system.



Causes of structural failure are sometimes caused by mechanical equipment. Segmented retaining walls are a topic “near and dear” to my heart. I personally built a retaining wall at my own house with the help of several neighbors. It was built with 950 blocks weighing 85 pounds each, and was 11’-6” tall when it was completed. It was necessary because the garage entrance to the house was impossible with the natural terrain. The retaining wall was designed by Todd Duncan with SEA and was required to be stamped by the county since it was over 48” tall. It was at a CSI meeting that I learned about the importance of the base course, the perforated drain lines, the geogrid, the 57 stone back fill, and the compaction of all of the backfill.

Mr GARY T. BERGERON, CSI
Kelso-Regen Associates, Inc.
CSI Knoxville Chapter President
gary@kelso-regen.com



TENNESSEE VALLEY AUTHORITY



Tennessee Valley Authority (TVA) historian Pat Ezzell will speak to the Knoxville CSI Chapter Meeting on April 14, 2015 about the agency's history. Ms. Ezzell serves as the TVA's Tribal Liaison and Corporate Historian. As TVA's Senior Program Manager for Tribal Relations, she is the point-of-contact for federally recognized Native American tribes. She consults with tribal representatives regarding TVA's historic properties that may have a religious or cultural significance to them.

Ms. Ezzell also serves as the agency's expert regarding the history of TVA and is the primary contact person for information pertaining to TVA's past. She maintains and curates TVA's Historic Photograph Collection and Cemetery Records database as well as provides input to questions of historical significance regarding the National Historic Preservation Act's Section 106 compliance of cultural resources.

She is the author of several articles as well as two books on TVA history: *TVA Photography: Thirty Years of Life in the Tennessee Valley* and *TVA Photography, 1963-2008: Challenges and Changes in the Tennessee Valley*, both published by the University Press of Mississippi. She served as historical consultant on the documentary film, *Built for the People: The Story of TVA*.

(TVA... CONTINUED ON PAGE 5)

(TVA... CONTINUED FROM PAGE 4)

Pat has received several awards including TVA’s Environment and Technology Customer Service Award in 2011 highlighting her work with renewable energy and tribal governments located in the Great Plains. In 1998, Patricia was honored as one of TVA’s twenty Women of Distinction. In 1994 she was awarded a Certificate of Merit in Historic Preservation from the Tennessee Historical Commission for her work highlighting TVA’s significant contributions to the nation during World War II.

Pat holds a Masters of Arts degree in History with an emphasis in Historic Preservation and a Bachelor of Arts degree in Honors History, both from the University of Tennessee, Knoxville. She has over 27 years of service with TVA.




President Franklin D. Roosevelt signs the TVA Act on May 18, 1933. The president is surrounded by various members of Congress from the TVA region, and at his left shoulder is Senator George Norris of Nebraska. Senator George W. Norris, known as the Father of TVA, is shown above visiting Norris Dam after whom Norris Dam is named.

The Tennessee Valley Authority (TVA) is the nation's largest public power provider and a corporation of the U.S. government. TVA was established by Congress in 1933 to address a wide range of environmental, economic, and technological issues, including the delivery of low-cost electricity and the management of natural resources. TVA was created by Congress in 1933 and charged with a unique mission: to improve the quality of life in a seven-state region through the integrated management of the region’s resources. To help lift the Tennessee Valley out of the Great Depression, TVA built dams for flood control, provided low-cost power and commercial shipping, restored depleted lands, and raised the standard of living across the region. As times have changed, TVA has changed with them, meeting new challenges and bringing new opportunities. Today, TVA continues to serve the people of the Tennessee Valley through its work in three areas: Energy, the Environment, and Economic Development.

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Darson Buckner, CSI, CDT
LEED Green Associate
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CSI MEETING MINUTES

BOARD BRIEFS - MARCH 3RD, 2015

By Nancy Roberts, CSI, CDT

Edited by THE SPECK Editor, Stacy Colbaugh, CSI, CDT

In Attendance:

Leslie Fawaz, Treasurer

Nancy Roberts, Secretary

Samer Shatara, Past President

Jim Odle, Director (2014-2015)

Will Dunklin, Director (2014-2016)

Suzan Jordan, Director (2014-2016)

Daniel Smith, Awards Chair

These meeting minutes were recorded and are presented as understood by the Secretary, Nancy Roberts, and are outlined as follows:

The meeting was held at Odle & Young's Office and was called to order at 5:40 p.m. by Samer Shatara. Meeting generally followed a meeting agenda provided by Gary Bergeron in advance of the meeting.

1. Previous meeting minutes (attached)

The February 3, 2015 meeting minutes had been emailed to board members by Nancy Roberts and accepted by the board.

2. Treasurer's report (attached)

The treasurer's report had been emailed to board members by Leslie Fawaz. Leslie reported that vendor commitments for the product show were high with only three of 44 booth spaces open.

3. President report

Gulf States Region (GSR) conference will be hosted by Acadiana Chapter and held in Lafayette, LA on April 17 & 18. Suzan Jordan and Kathy Proctor have registered to attend.

Gary noted in his report that he spoke to CSI student chapter about CSI specifications and Master Format on February 25th. Gary also spoke to Dr. Miller's HVAC class about Zero Energy on February 26th.

4. President Elect Report

Gary's report stated that Josh Brock and John Hockensmith have done an excellent job selling booth space at the March 10th Product Show. Each board member was instructed to encourage attendance. AIA and AGC chapters have been sent reminders. Suzan will speak to John about ACW's involvement. Samer will send notice to UTK Construction Science Group. Suzan will send notice to Builders Exchange. Suzan mentioned the student product show to be held on March 11th.

5. Vice President report – position currently vacant

Nominating committee will meet at the product show to finalize a prospective slate of officers for the upcoming year.

6. Board members/committee group reports

6.1 Member Services (membership, fun, and house) – Jim Odle, Director: Suzan will confirm monthly meeting attendance at Calhouns until June; she is also investigating alternate meeting location for the June awards banquet.

6.2 Education (education, programs, and special programs) – Will Dunklin, Director: Gary's notes stated that the BA Solutions Lunch & Learn was postponed due to adverse weather conditions on February 18; no arrangements have been made to reschedule. There were other potential programs noted.

Gary's report stated that April chapter meeting speaker will be Pat Ezzell, TVA historian. This meeting will serve as the joint ACW meeting.

May chapter meeting speaker will be Steven Downey with CBI Federal Services to talk about Project Management for Designers and Constructors. June chapter meeting will be awards banquet.

Annual 4th of July party will be in lieu of July chapter meeting.

There was discussion about the certification process for chapter meetings. Will Dunklin will speak to Gary and report at next board meeting about status of certification for past and future chapter meetings.

Gary also noted that he and Darson will speak to ASHI in Johnson City on April 30th.

6.3 Recognition (technical, certification, and awards) – Donna Covert, Director: Paul Pierson sent a report stating that Institute's computer ills are not healed yet. He will try to contact them and find out the status of Certification and CDT educational program.

6.4 Communications (website, publication, and liaison) – Daniel Smith, Director: No awards have been submitted. Daniel stated that Gary has given him idea for chapter award. Suzan has updated Facebook page with product show

information. Suzan will speak to Darson about advertising discounts for product representatives who join CSI.

6.5 Fundraising (product show and golf tournament) – Kathy Proctor, Director: No report.

6.6 Chapter Administration (planning, historian, bylaws, and operating guide) – Suzan Jordan, Director: No report.

7. Calendar: No changes to calendar.

8. Old business: No old business.

9. New business: On April 1st, Odle and Young will be hosting a 20-year anniversary celebration. On April 8th, Dealers Warehouse will host their annual show.

The meeting was adjourned at 6:35 p.m.

Next board meeting will be Tuesday, April 7th, 2015.



CSI AND THE LAW

May 2015

It's All in the Name (on the License)

W. Paul Whitt
Lewis, Thomason, King, Krieg & Waldrop, P.C.
One Centre Square, Fifth Floor
620 Market Street
Knoxville, TN 37902

W. C. Fields is credited as saying, "It ain't what they call you, it's what you answer to." While that may be correct for everyday life, it is not correct with respect to general contracting in the State of Tennessee. As we all know, Tennessee employs a rigorous and strict statutory and regulatory scheme requiring that general contracting, with very few exceptions, be performed by individuals or entities with valid general contractors licenses. In addition, the Tennessee Board for Licensing Contractors ("**Board**") has issued a regulation requiring a licensee to contract in the actual name on the license, and not under the names of any other entities or individuals associated with the licensee. Specifically, Tenn. Comp. R. & Regs. 0680-01-.25 provides as follows:

- (1) Upon receiving a certificate of licensure from this Board, the licensee has an **affirmative responsibility** to enter into contracts and operate its related contracting business under the name in which it is licensed in order to notify and prevent confusion on the part of the public at large of an entity's licensure status. Contracting in a name different than that in which an individual or entity is licensed by this Board is considered a violation of this chapter, and will be cause for appropriate disciplinary action.

This regulation is significant as not only does it specifically provide the possibility of discipline by the Board for violation of the regulation by a licensee, but it also has the effect of "obliterating" a licensee's contract entered into in violation of this regulation. We see this at Tenn. Code Ann. § 62-6-103(b), which provides as follows:

- (b) Any contractor required to be licensed under this part who is in violation of this part or the rules and regulations promulgated by the board shall not be permitted to recover any damages in any court other than actual documented expenses that can be shown by clear and convincing proof.

As Tennessee courts have repeatedly stated, this statute means that any contract of a licensee that is entered into in violation of the licensing statutes and/or regulations, including violation of Tenn. Comp. R. & Regs. 0680-01-.25, is void and unenforceable. In this situation, a contractor is not entitled to recover any of the contract amounts from the client or owner, but instead is limited to recovering only its actual documented expenses that the contractor can show

(CSI AND THE LAW... CONTINUED FROM PAGE 8)

by clear and convincing evidence. This means that the contractor is not entitled to recover any profit or overhead claimed on the job. Also, the contractor is unable to recover any expenses that do not directly inure to the benefit of the project, or for which the contractor does not have actual written documentation of the incurrence of the expenses for the specific project in question. In other words, violating the rules and regulations of the Board can have very serious effects on a general contractor's right to recover in Tennessee.

Of course, in situations where the contractor has received amounts in excess of the actual documented expenses that can be shown by clear and convincing evidence, the contractor may be faced with a claim back against it for recoupment of any overpayments. Also, violation of the Tennessee statutes and regulations related to general contractors licenses is a *per se* violation of the Tennessee Consumer Protection Act ("TCPA"). We see this at Tenn. Code Ann. § 47-18-104(b)(35), which provides as follows:

- (b) The following unfair or deceptive acts or practices affecting the conduct of any trade or commerce are declared to be unlawful and in violation of this part:
 - (35) Representing that a person is a licensed contractor when such person has not been licensed as required by § 62-6-103 or § 62-6-502; or, acting in the capacity of a contractor as defined in § 62-6-102(4)(A), § 62-6-102(7) or § 62-6-501, and related rules and regulations of the state of Tennessee, or any similar statutes, rules and regulations of another state, while not licensed;

This is significant because violation of the TCPA can carry with it not only actual damages, but also potential recovery of attorneys' fees, as well as treble (three times) damages against the violating contractor. Therefore, violating the licensing statutes and regulations can be a very serious issue in Tennessee.

So, what is the lesson for contractors and other professionals involved in construction projects? Make sure that the name on the contract matches the name on the license at the time that the contract is executed, and throughout the project. If not, and if a dispute ensues, or the Board is notified of the difference between the name on the license and the name on the contract, the contractor could be faced with discipline, and also very significant consequences in any ensuing litigation. As for design professionals, if you are responsible for assisting with any bidding or contracting for a client/owner, make sure the party signing the contract holds the license in the name on the contract. Otherwise, you could be in a position of approving pay requests for a contractor that is not legally entitled to the payment.

So in the end, "It ain't what they call you, it's what's on your license."



LEWIS THOMASON

CSI LUNCH & LEARN: GEOPOLYMER CHEMICAL GROUT FOR ARCHITECTS, FACILITY MANAGERS, AND CONTRACTORS

Presented by Andy Derenski, PE, LEED AP,
Region Manager, URETEK Holdings, Inc.

WEDNESDAY, APRIL 22ND, 2015

LUNCH & NETWORKING: 11:30 A.M. – 12:00 P.M.
PRESENTATION: 12:00 P.M. – 1:00 P.M.



cementitious pressure grouting, push piers, helical piers, and grout piers. The presentation includes information about many notable projects that demonstrate the wide array of applications of geopolymer chemical grout.

Please relay this invitation to any and all interested parties especially those in your work place. This is a great opportunity to network and learn something new as well as an opportunity to introduce your guest to CSI. We welcome your attendance!

Hello CSI Knoxville Members:

CSI Knoxville Chapter continues to offer you another learning opportunity provided by Andy Derenski, PE, LEED AP, Region Manager, URETEK Holdings, Inc. This presentation offers 1 Hour CEU with the following Presentation:

An introduction to the basics of geopolymer chemical grouting. This presentation starts with an introduction to geopolymer chemical grout including the history, chemistry, and different injection techniques. It discusses the many causes of soil stability issues. The presentation shows examples of the different applications for geopolymer chemical grouting, including soil stabilization, concrete slab and foundation lifting, infrastructure restoration and stabilization, seepage mitigation, void filling, and sinkhole remediation. It also compares geopolymer chemical grouting to other systems such as

WHERE: East Tennessee Community Design Center
WATE 6 Carriage House
1300 N. Broadway, Knoxville, TN 37917

PARKING: You should be able to find a parking space in the WATE parking lot. There also may be parking spaces available along Luttrell St.

RSVP: Seating is limited, if you wish to participate, please respond to Jeremy Shipp at shipp.arc@gmail.com with your name, email, and phone by Friday, April 17th



CREDITS AVAILABLE:
1 CEU

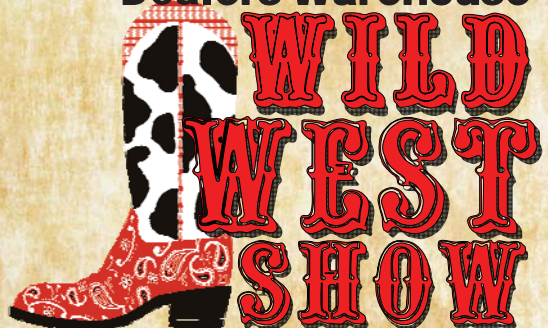


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Wed. April 8th ▪ Building Materials Show ▪ 4:00PM-8:00PM

INVITE YOUR

CONTRACTORS

Contractor, Architect & Code Official Night

Dealer, Contractor & Architect Dinner Buffet



	Name	Company Name	Phone #	Wed
1				
2				
3				
4				

SIGN UP

Thur April 9th ▪ Building Materials Show ▪ 4:00PM-8:00PM

Dealer Dinner Buffet

NOW

Fri. April 10th ▪ Building Materials Show ▪ 9:00AM-2:00PM

Dealer & Architect Lunch Buffet



	Name	Company Name	Phone #	Thu	Fri
1					
2					
3					
4					

DRESS WESTERN CASUAL

MUST BE REGISTERED TO WIN

Haystacks: Do construction documents do what they're supposed to do?

The purpose of construction documents is simple: They tell the contractor what is needed to complete a project. How best to do that has been a subject of debate for a long time, even though a basic set of rules has been used at least as far back as the 1940s. In his "The Case For the Streamlined Specification", published in the July 1949 *Construction Specifier*, Ben John Small referred to a book titled "Specifications" that was written in 1896; the older book apparently discussed some degree of streamlining.



That's fine as far as it goes, but if the intent is to clearly communicate with the contractor, are we doing as well as we could? Architects and specifiers have a nice collection of rules for organizing information, but do they make sense for the contractor? Our rules are fairly consistent, and they are generally accepted by design firms, but can they be improved? A large project many take a year or more to complete, yet we still have inconsistencies and conflicts. Is it fair to expect a bidder, who typically has only a few weeks to figure out what we want, collect subcontract bids (many of which are incomplete or include qualifications), decide how much to include to cover the inevitable problems, and arrive at a competitive price?

Can we do better than asking contractors to find the critical information in a haystack of information that is less important?

Let's start with what works. Streamlining is the practice of removing many of the words we would use in ordinary conversation, but which add nothing to construction documents. A big step toward simplification is achieved by a simple change of mindset; if you understand that specifications and drawings are instructions *written to the contractor*, rather than a disinterested explanation of what is to happen, the rest will be easier. When teaching certification classes, I tell the class to write as if they are talking directly to the contractor. If you are talking with a contractor you won't say, "The contractor shall fill the bollard with concrete." Instead, you would say, "Fill the bollard with concrete."

As noted, this is a big first step, one that will automatically eliminate the "shall be" phrases that still are far too common. But even more can be done to reduce the length of specifications without losing critical information. While some things may need something approaching a complete sentence, most requirements can be reduced to what amounts to a checklist. Each item begins with a subject, followed by a colon (defined to mean "shall be" or similar term), followed by the relevant property. For example:

Air content: 5 to 8 percent.

Insulation: ASTM C578, Type IV.

If the property is evaluated by a reference standard, insert the standard and qualifying requirements before the colon.

Compressive strength, ASTM C109, 28 days: 7,000 psi.

Note that this checklist approach translates very well to properties found in BIM objects.

It's fairly common practice to eliminate the articles a, an, and the. In most cases, this works well, but I retain the article when referring to *the Architect*, *the Contract*, *the Contractor*, and *the Work*, to take care of

those situations when those terms occur at the beginning of a sentence. Otherwise, there is no way to differentiate between the contractor identified in the agreement (Contractor) and a contractor working on the same building but under a different contract.

Even though streamlining is relatively easy to do, many firms - and even commercial guide specifications - do not use it as much as they can. Another common problem is lack of coordination: specifications that conflict with each other and with drawings, drawing notes that appear to have been written without any understanding of what's in the specifications, and drawing notes that ignore the basics of writing specifications. If that's the best we can do, and it appears that it is, we haven't made much progress in the last hundred years.

The Heretic Specifier suggests rearranging the haystack

Consider these words of wisdom regarding PageFormat, and consider applying them to everything we do:

The first concern of the Page Format is an improved and clearer presentation of the construction message. ... The writer and the reader were put before the typist, the printer, the equipment manufacturer, but without placing unreasonable demands upon any of them. ... The Page Format should then exhibit a reasonable amount of text density, providing visual recognition of the Parts and lesser levels, and arranging the subject matter in a logical, efficient and versatile page.
– excerpts from the CSI Manual of Practice, June 1974

Although specifiers can have an influence on drawings, let's look at how specifications can be changed to improve communication with the contractor. Let me start by saying that there is no excuse for contractors who don't look at the documents; "We don't do it that way" is a non-starter. On the other hand, it's not uncommon to hear "I didn't see it!" as an excuse for non-conforming work. It's easy to point to our rules and principles and say, "Too bad for you!" but in doing so, are we ignoring the problem? There is no doubt that some contractors just do what they're gonna do, but there are many occasions when I can't help but sympathize with a contractor who's trying to do a good job, but doesn't understand the way we do things.

A couple of responses are possible. We can go out of our way to educate contractors, subcontractors, and suppliers about the intricacies of our various formats and standards, but other than saying contractors should join CSI, not much of that happens. And, truth be told, many in the design professions, including our own members, don't follow the very principles we espouse.

Another approach is to reconsider how we do things. At a recent convention, Nashville, perhaps, there were a number of presentations that took this approach. There was healthy discord and disagreement about the proper use of the "Section Includes" article, and about other aspects of writing specifications, as well. Unfortunately, as far as I'm concerned, those discussions did not continue.

Why isn't this concept applied to all construction documents? Until the day that a significant number of contractors are not just CSI members, but CDTs, we can't just sit back and expect the rest of the construction team to understand what we do. If we're interested in progress, if we truly believe in improving communication, shouldn't we consider changing what we do for the benefit of the rest of the team?

This will be a bit off-subject, but bear with me. How many of you use what appears to be a standard format for meeting agendas and minutes? You know, the one with a lot of blank space at the top for the date and subject, followed by a list of those invited or those who attended, which can run to two or more pages, followed, finally, but the information you're really interested in?

If you think about it, that's a dumb way to organize agendas and minutes. The day after the meeting, will you really care who was there or who wasn't? Especially if the agenda or minutes were sent out under a transmittal form, which duplicates the same information?

(Haystacks... CONTINUED FROM PAGE 13)

Why do we write specifications in the same manner? Instead of starting with the important stuff - what's in the section - we ramble on for a page or so, talking about procedural items, then sandwich the good stuff between that and the how-to information. I know, the "Section Includes" article usually has a generic comment or description, but is that what a contractor is looking for? In most cases, the title of the section tells the contractor about as much as the "Section Includes" article.

What if we rearranged things to make it easier for contractors? Keep "Section Includes", but state what's in the section, including basis of design products; then go on to talk about performance standards, options, and the other stuff that directly affects the contractor, subcontractor, and installer. Follow that with special instructions regarding installation (shouldn't be much unless you know more than the manufacturer), then end with an appendix of information about submittals and other procedural matters. If it's easier for contractors, it should be easier for architects and specifiers.

© 2015, Sheldon Wolfe, RA, FCSI, CCS, CCCA, CSC

Agree? Disagree? Leave your comments at <http://swconstructivethoughts.blogspot.com/>

Memorial: Raymond Guay 1922 - 2015 | Knoxville, TN



Raymond Gilbert Guay, 93, of Knoxville, TN, peacefully passed into eternity on March 29, 2015. It can be said that Raymond G. Guay led an exemplary life of commitment to his family, friends, church and country, as well as to his colleagues in the architectural and construction fields.

In Taunton, Massachusetts, where he was born on January 1st, 1922, he developed his duty to country, which led to his enlistment in the United States Air Force. He utilized his birth fluency in French to train French pilots during World War II.

Ray Guay obtained his B.A. at Catholic University, in Washington, DC, and his Master's in Architecture at Columbia University, in New York City, NY. During 1959, he established the firm, Guay & Associates, in Knoxville, Tennessee, after marrying his life-long partner, Nancy Lay, in Oak Ridge, Tennessee. The firm became incorporated in 1964, and flourished under his guidance, while developing a commercial niche in projects for educational facilities, healthcare facilities, housing projects, religious facilities, and restaurants throughout eighteen states. His reputation of honesty and integrity were well known. Ray's word was all you needed to be confident that the project would be well done.

His compassion and caring extended not only to his family of five children, but also to the community at large. He volunteered his time and talents to the Catholic Church throughout his life, be it the Knights of Columbus, CCD, or any service the church needed. Furthermore, Ray was a charter member and held several positions with the Construction Specification Institutes' Knoxville chapter (CSI); a founding member and held several positions with the South Knoxville Rotary Club, and the North Knoxville Rotary Club, then gained emeritus status while with the Downtown Rotary Club; a past President, of the American Institute of Architects' Knoxville

Chapter. The extent of his commitment was demonstrated in the numerous awards received, as well as his 50+ year unblemished record of attendance with the Rotary Club.

In his later years, Ray's artistic passion was channeled into woodturning. Many people were the grateful recipients of his coveted bowls, candles, vases and much more. His family, friends, and colleagues knew Ray Guay as a person, who not only was hard working, but also enjoyed life. With a twinkle in his eye and a smile on his face, he would enjoy the comradery of family and friends... and if there happened to be a practical joke or two, even better!!

Ray Guay is fondly remembered by his wife of 59 years, Nancy Lay Guay, of Knoxville, Tennessee; his sister, Liliane R. Guay, of New York, New York; his children, Raymond Gilbert (Gil) Guay, Jr., of Bealeton, Virginia, Therese Guay Cashmore, of St. Petersburg, Florida, Michelle Guay Theoharis, of Fairfax, Virginia, Richard Anthony Guay, of Tak, Thailand, Edward Joseph Guay, of Denver, Colorado; and their extended families including fourteen grandchildren. Ray is preceded in death by his father, Francoius Xavier Guay; mother, Marieanne Routieher Guay; and brother, Fernand Adrian Guay.

The funeral mass, led by Father Jerry Tully, will be held on Saturday, April 11, 2014, at 11:00 a.m., at Immaculate Conception Catholic Church, 414 West Vine Avenue, Knoxville, Tennessee 37902; (865) 522-1508. The celebration of Ray's life will be immediately following the church service, from 12:00 noon to 3:00 p.m., at Calhoun's on the River, 400 Neyland Drive, Knoxville, Tennessee 37902; (865) 673-3355. In lieu of flowers, a donation in the name of Raymond G. Guay may be made to the Boy Scouts of America at <http://www.scouting.org/Donate.aspx> or The Sisters of Mercy, 2629 Pennington Bend Road, Nashville, TN 37214, <https://supportmercysc.thankyou4caring.org>. Gentry Griffey Funeral Chapel is honored to serve the Guay family, and invites you to view and sign the guestbook at www.gentrygriffey.com.

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