"The future ain't what it used to be". 

- Yogi Berra

Welcome to the new and improved CSI Indy newsletter!

As we embark on our adventure of providing YOU with the most up-to-date (and relevant) information in the construction industry, we encourage you to provide us with any and all feedback. Good, bad, and even the ugly is welcome. What type of articles would you like to read? What type of events are you interested in? Anything you think the chapter should be aware of is welcome.

Your Humble Narrator, 

Mike Halstead
Indianapolis CSI Newsletter Co-Editor
mikeh@halstead-architects.com

Mild Mannered Reporter, 

Ryan Muzzillo
Indianapolis CSI Newsletter Co-Editor
ryanm@halstead-architects.com

SPONSORS

A special thank you goes out to all of our sponsors!

If you would like become a sponsor of the Indianapolis CSI Chapter, please click HERE.
Wow - we made it through 2020. I think. I’m so excited to start the New Year - much more than other years. Just a few more months of staying at home to avoid the Covid - tough it out just a little bit longer. Just stay home and stay safe - like Emily Dickinson said - “Some keep the Sabbath going to Church - I keep it, staying at Home”. Time again for you all to send me your New Year's Resolutions - I have to follow up on all of you. No slackers allowed.

The Hat has decided to shed a few pounds - he started riding his bike. We will see how long that lasts.

Sadly we lost another valued member of our CSI Indianapolis Chapter - Merlin “Ray” Kirchoff - a former President of our Chapter in 1973-74. Ray’s recent passing on December 29th at the age of 89 was captured very well in his obituary at Merlin ‘Ray’ Kirchoff Obituary. He will be missed.

September 16, 2021 is the current date for our CSI Indy Trade Show - we tried to reschedule something in March but the Covid situation continues to get worse - not better. So until the Vaccine is readily available we need to remain cautious. Our Indy Chapter's 60th Birthday is on April 15 (tax day) but we are tentatively planning our celebration on July 15th. Larry Podojil & Amy Baker-Fehribach are leading the charge to plan for this big event - and they need help! Amy hasn't had any sleep since Dean William was born 3 months ago. And Larry's retired and old - he needs rest too.
Our program next Thursday is entitled Over the Edge - Roof to Wall Transitions and the Continuous Building Enclosure by Norbert Krogstad. He is a licensed architect at WJE with over 37 years’ experience investigating and developing repairs for distressed conditions in new and existing buildings. Please login to the presentation at https://tinyurl.com/CSIIndyJanMtg.

We also have some exciting programs coming up this year - please review the rest of this newsletter for details. Thanks again to Captain Jack Morgan and his merry band of pirates (AKA programs & Education Committee) for coordinating. And for all you newbies Tom Tuttle - the Bud Light Knight - has put together a virtual New Member Orientation on Thursday, January 28th at 6 pm. Find out more at: http://events.constantcontact.com/register/event?llr=6tpetldab&oeidk=a07ehhwjs0k1a5e2c5a

Once again Bill "Lil Joe" McGuire has graced our newsletter with another article on modern homes. Michael "BD" Brannan - former newsletter editor extraordinaire - has also graced us with an update on the Education Foundation and our upcoming Scholarship application. Tony Julian has included some information regarding the CDT Study Courses for 2021 - and congratulations to our nine members who received their CDT in 2020! Wouldn't you know the first time IU has a great football team in 25 years we can't go to the games! Not very often the football team is better than the basketball team at IU. Ball Sate won their first bowl game - a shellacking of San Jose State. Ball U! The NBA started a few weeks ago and NHL Hockey starts tonight. Your Blackhawks don't have Jonathan Toews or Kirby Dach to start the season - and the great Corey "Crow" Crawford retired - so it might be bleak in Chicago for a while. This is the best time of year for sports -basketball, hockey and playoff football,. How sweet it is.

Let's hope 2021 is a lot better than 2020 was.

- Your Humble Narrator
Roof to wall interface conditions are one of the most difficult and frequently overlooked contributors to such problems. In general, envelope systems today are lighter, tighter, and better insulated than their predecessors because of energy codes, construction costs, and operating costs. As a result, these new wall systems are often less forgiving than the lesser insulated of the past. This is because older systems, such as masonry mass wall systems, had greater heat transfer and therefore greater drying potential and could often store small amounts of moisture without damage. Therefore, understanding proper integration of control layers at such interfaces is more important than ever. This presentation will review details to maintain the integrity of these control layers at roof to wall interface conditions.

**AIA learning objectives:**
At the end of this program, participants will be able to:

1. Summarize the function of air barrier, water protective barrier, vapor retarder, and insulation control layers.
2. Identify common breaches in the control layers at roof to wall interface conditions.
3. Describe common approaches for maintaining the continuity of the four control layers.
4. Develop details to implement these basic approaches at roof to wall interfaces in building assemblies.

**About the presenter:**
Mr. Krogstad is a licensed architect in Illinois, Minnesota, Missouri, and Oklahoma. During the past 37 years at WJE, Mr. Krogstad has investigated and developed repairs for distressed conditions in several hundred new and existing buildings. Most of Mr. Krogstad's projects involve exterior wall assemblies with condensation, water leakage or other moisture intrusion problems. Mr. Krogstad has lectured at numerous conferences and continuing education programs on topics related to water leakage, condensation, deterioration, and structural problems in masonry and other building cladding systems. He has also authored or co-authored many papers and articles related to masonry wall system problems, condensation problems, and the design or investigation of building wall systems in multiple technical publications. This includes a question and answer column called "Troubleshooting" in Masonry Construction magazine that Mr. Krogstad authored from 1989 to 2011. Mr. Krogstad is a member of the ASTM International (ASTM) where he is active on several committees concerning masonry wall systems. He was also on the ASHRAE Task Group that developed Standard 160 - Criteria for Moisture-Control Design Analysis in Buildings.

**Location**

**Online Instructions:**
Url: [http://tinyurl.com/CSIIndyJanMtg](http://tinyurl.com/CSIIndyJanMtg)
Login: Click on the link above. You will be directed to the meeting.

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**TABLETOPS**

The Indianapolis Chapter of CSI is accepting reservations for Table Tops for upcoming Chapter meetings. The list of programs for upcoming Chapter meetings and seminars is published in this newsletter, the web site, or contact Program chairman Jack Morgan - morwalsoplad1@gmail.com, if you would like to target a particular meeting, be sure to make your reservation early. We do have a limit of four spaces available for Table Tops in a standard meeting room and 10 if we have a double room.

Table Tops are an opportunity to promote your company, products, or services to all attendees of our regular chapter meeting during the social hour. There is a maximum of 20 minutes for Table Top presentation at a regular Chapter meeting. You have the floor for maximum of five minutes after dinner before the speaker to communicate to the entire group if there are four presenters. If there is a greater demand, the 20 minutes will be divided by the number of presenters and rounded down to the nearest 30 seconds.

The Table Top presentations are FREE, one time, to new members, and cost current Indianapolis Chapter members only $75. Non-members get the same opportunity for $125. A 30 by 60 table with a cover and skirt will be included. All proceeds go to support the Chapter. Payment is due at the time of setup.

Another opportunity for a Table Top is during an Education Seminar. If you combine it with the Chapter meeting and Education Seminar the cost would be $100 for current members and $150 for non-members.

If you would like to schedule a Table Top for a future meeting contact:

Kent A. Hughes RA CDT - American Structurepoint
khughes@structurepoint.com - 317.690.5820

Be sure to put 'Table Top Request' in the subject line
CSI Indianapolis Members

It is truly amazing to me that we are already in mid-January. Although, writing 2021 on documents has been fairly easy as 2020 was such a challenge on many different levels. There have been silver linings (learning how to use Zoom and Microsoft Teams and maintaining better communication) and we all have learned to adjust out of necessity. I sincerely miss our in-person meetings and hope to come together as a group soon. If there is any CSI function that I wish to be in person is our 60th Anniversary Celebration. We have a great committee working on this and I'm excited for the possibility of seeing everyone.

We have virtual meetings continuing to be planned, at least until February. I hope to see you at our January Chapter Meeting on January 21st. (Remember – 3rd Thursday of the Month). Please visit our Chapter Events tab on our Website for details. We have Norbert Krogstad with WIE addressing issues with parapets and air vapor barrier transitions. Parapets are always a design challenge and more often a constructability challenge. We hope you will join us at 5:30 for some chapter business and then at 6 pm for the presentation. Registration is free with your membership but you need to register to get the link.

We were truly saddened by the passing of Merlin “Ray” Kirchoff. He was a long time CSI member and mentor. His presence at meetings will be missed. Our condolences to his family and friends.

Many committees are hard at work. The Membership Committee will be hosting a Virtual New Membership Orientation. If you are a new member within the past year or an existing member that has never attended an orientation, we welcome you to join us on January 28th. Please refer to our Chapter Events webpage for more information. Our Certification Committee is hard at work updating the CDT Preparation Class for this spring. Please look for more information on our website. We received rave reviews from last Spring’s class and many attendees that attended passed the exam. Congratulations to them! Our Trade Show Committee is working to ensure a successful Trade Show in the fall and a Table Top Event in the Spring. Please look for more information to follow. Our Programs Committee is always hard at work planning programs and education seminars. We are planning a Writing Specifications and Getting Specified Seminar in March to correspond with our Table Top Event. We are planning joint events with BIC, AIA and DII. If you have any suggestions for chapter meeting presentations, please let us know. Our Academic Affairs Committee is working to establish contacts within Indiana universities. Be looking for more information.

If you are interested in running for the CSI Indianapolis Chapter Board for July 2021-June 2022, please contact me. We need you to make CSI an influencing factor in our design and construction community.

If you know of anyone studying in the design or construction fields, please look for scholarship application from our CSI Foundation. Information is available on the website.

Lastly, if you know of a member that deserves a Region or National Award, please let us know. Our Awards Committee would love to help them reach that achievement.

Continue to be an inspiration to young people, especially those interested in the design and construction industry.

Stay Healthy,

Vrette Ramirez Bruno CSI CDT CCS

CSI INDY CDT

The Indianapolis Certification Committee will be conducting a spring 2021 CDT Study Course to help candidates learn the
NEED TO ADVANCE YOUR CAREER?

CSI Indianapolis Chapter

Spring 2021
Construction Documents Technology (CDT) Certification
Exam Registration Opens February 17th
Exam Window May 3rd to June 6th

The CSI Construction Documents Technology (CDT) Certification provides a comprehensive program of study for anyone seeking to enhance and demonstrate knowledge of writing, interpreting, enforcing and managing construction documents.

INTERESTED IN LEARNING MORE:
https://www.csiresources.org/certification/cdt
Contact:
Tony Julian – Certification Committee
tonyjulian2023@gmail.com
317.374.1234
Tom Tuttle – Membership Committee
thomastuttle@ascotlloyc.com
317.885.7644

CSI INDIANAPOLIS’ CDT STUDY COURSE INSTRUCTORS:

Charles Thompson CSI, CDT, CCS
Ivette Ramirez Bruns AIA, CSI, CDT, CCS
Tom Tuttle CSI, CDT

Jack Morgan AIA, FCSI, CDT, CCS, CCQA, SCIP, NCARB
Joel Young AIA, CSI, CDT, CCQA, NCARB
Tony Julian CSI CDT, CCS, CCQA, QXC, CxBE, BECXP

CDT Resources available at the CSI Bookstore
CDT Registration / Exam Fees are online at csiresources.org

CDT ORIENTATION MEETING
Tuesday, February 23rd
6:00 PM to 7:30 PM

The orientation will review the CDT Certification and Indianapolis Study Course. Contact any of the instructors below for further information and registration.

FOR INTERESTED CANDIDATES, THE CERTIFICATION COMMITTEE STRONGLY RECOMMENDS CANDIDATES OBTAIN THE NEW PROJECT DELIVERY STUDY GUIDE AND START READING ASAP!!
CSI INDY MEMBERS OBTAINING THEIR CDT CERTIFICATION IN 2020.

Kent Pinaire  RA, CSI, CDT – C R Stafford and Associates  
Ben Dykstra  CSI, CDT – Pepper Construction  
Alex Altmann  CSI, CDT – The Stanfainol Group, LLC  
Sandy Butler  CSI, CDT – The Stanfainol Group, LLC  
Ashten Collins  CSI, CDT – The Stanfainol Group, LLC  
Tim Gudorf  CSI, CDT – The Stanfainol Group, LLC  
Todd Hopf  CSI, CDT – The Stanfainol Group, LLC  
David Riffel  CSI, CDT – The Stanfainol Group, LLC  
Lana Abel  CSI, CDT – City of Evansville

CSI INDY EDUCATION FOUNDATION

HOW YOU CAN HELP PROMOTE THE 2021 CSI SCHOLARSHIP
by
Wes Co Warren  PA, CSI, QEP
The Chapter’s Education Foundation is now accepting applications for the 2021 CSI Scholarship. We are asking the members for their help in promoting the Scholarship and have a great way to do that.

If you have not already, you will soon receive an email from the Chapter with the text below. All we ask is that you share it by forwarding it to your friends, family, neighbors, co-workers, the mailman, or pretty much anybody you know. Especially if they have, or know of, a student in college who could benefit from our scholarship.

How easy is that? Here is what we are going to send, and thanks for your help with this important Chapter effort:

The Construction Specifications Institute (CSI) is a national membership organization founded in 1948. CSI members include professionals involved in every phase of the design and construction industry.

The Indianapolis Chapter CSI is one of the largest and most successful chapters of the Institute, with a tax-exempt 501(C)3 charitable Education Foundation to further the educational goals of the Chapter. The Indianapolis Chapter has granted academic scholarships since 1991, with annual awards of up to $6,000.

To be eligible, a student must be currently enrolled and have completed at least one year of a design or construction related degree program. Qualifying degrees include architecture, engineering, interior design, or construction administration. Graduate students are welcome.

The student may be an Indiana resident attending a college or university anywhere in the U.S., or an out-of-state student attending a college or university within the State of Indiana.

Beginning in January, scholarship applications are available online at www.csieducationfoundation.org. Applications are due in mid-March with award(s) determined in April.

Visit www.csieducationfoundation.org for details.
Chapter President

Chapter President is the most visible to those who attend the monthly meetings. Conducting the beginning of each meeting, providing general announcements is only a small part of the job.

Other items of responsibility include:
- Setting the annual planning meeting for the chapter
- Overseeing the membership items and the monthly programs
- Coordinating with committee leadership for keystone events like the Trade Show & Golf Outing
- Create Agenda and conduct the chapter Board meeting each month
- Chapter Presidents of each chapter in the Great Lakes Region are also Directors for the Region.
  - Attendance is required for the monthly conference calls as well as attendance at the Region Conference.
  - If attendance is not possible then a proxy must be appointed.

If you are interested in learning more about this important position for the chapter, attend our webinar hosted by Thad Goodman on March 22nd, 2021 at 10:00am EST
https://global.gotomeeting.com/join/724342797 (link provided as an example only)

Nominations will be open soon for the CSI Fiscal Year FY22. Elections are typically held in April and the term starts July 1, 2021.
Purpose: Due to the current business environment some of our members have been challenged maintaining their membership in CSI. The Great Lakes Region (GRL) is financially positioned to provide grants for members who may find themselves in this position.

Recipients: Great Lakes Region member whose memberships have or are expiring, who are unable to renew their membership due to financial difficulties caused by current economic conditions, and who are not otherwise reimbursed for their due (i.e. from an employer).

Notification: this Grant Request Form will be e-mailed to all Great Lakes Region Members.

Amount: Each Grant will be up to $275.00 to cover the member’s CSI National Dues. The Great Lakes Region has allocated $10,000.00 for these grants.

Submission: Submit Grant Request via email to Region Treasurer - KSchmidt@sewardassociates.net

Deadline: This program expires at the end of GRL’s Fiscal Year, June 30th, 2021

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Grant Request Form

Name:

Member Number:

Membership or expiration date:

Home Chapter or Unaffiliated:

Email:

Mailing Address:

Phone Number:

Submit Request via email to KSchmidt@sewardassociates.net
Notification of approval 3-5 days.

Please Submit your Membership Renewal Receipt from CSI upon completion.
***** This program in effect in addition to the Chapter Challenge

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The Most Modern Home IV

I offer a toast to the well-defined requirement. Getting well defined requirements – in contrast to wants, needs, feelings and hankerings; has always been hard to get. So, finding an article from Changing Times about a quality home from the Indianapolis Star real estate section (1988) was a treat. I’m pretty experienced with deducing requirements. Here is my favorite statement.

Bathrooms are invisible. In a well-designed house, bathrooms are not seen from the top of the stairs, the living room or the front door.
American bathrooms of tile, porcelain, water and ventilation are wonderful! In my travels, I’ve lived long periods in the opposite of such wonderful. It was a US Army 1990’s logistical embarrassment in Operation Desert Shield that it’s human sewage disposal technology remained essentially unchanged since the Spanish American War (1898). For seven months I used 50 gal barrels cut in half, sometimes stretching out as far as you could see to accept the excretions of tens-of-thousands of men & women: an every-day chore to stir and burn the mess. The “toilet” is an essential human function not discussed in polite company, where privacy, cleanliness, and ease of use are implied requirements. Toilets are invisible, yet easily found, an intuitive appliance; eliminations not heard or smelled outside the room. Bathrooms are important. Why is the design and technology unchanged? How many people does it take to make the bathroom smell? Just a phew!

Bill Gates in 2012 awarded prizes in a “reinvent the toilet challenge” to turn human waste into valuable resources like fuel & potable water off the grid; and people would want to use it. First prize went to California Institute of Technology: a solar energy and human-waste electrochemical reactor prototype generating hydrogen. 2nd Place went to Loughborough University (United Kingdom), who’s prototype took feces and created clean water and charcoal for fuel in an either squat or sit design. No one has invented a radically new toilet in 200 years according to Gates. Reinventing the Toilet Expo continues, in 2018 the Janicki Bio-energy toilet creating clean water and electric power was licensed for commercial use. What did Spock encounter in the Enterprise toilet? The Captain’s log.

Let’s all admit that water (plumbing) and electricity are great things -- when they work right. Toilet options comfortably in the grid of plumbing and power worldwide are diverse. The first time I saw a squatting toilet was 1983 in East Berlin, East Germany: when the Cold War was hot. A public restroom – so strange to me: I took a picture! Squat toilets are far more common worldwide being simple porcelain designs, easy to clean with few moving parts. Sometimes with shower nozzles overhead for the all-in-one hygiene space. Japan is renowned for their touchless toilet technologies. Amazon now sells toilets with lights, washing bidet and drying functions. American bathrooms are getting larger. Years ago, I expanded my condo bathroom with a double sink, soaking tub, TV, combination steam sauna-shower. Sold years ago, I still miss it. My toilet was hidden behind a partition wall – invisible from the doorway. I’m awaiting more product reviews of the “most modern” toilets with power and software updates: maybe I should ask Alexa or Siri! What do you do if you find a bear using the toilet in your bathroom? You let it finish!

Outhouses and chamber-pots disappeared with good plumbing. Household electrochemical sewage reactors sound just as exciting as GeoThermal heating and air conditioning. Yet for those whose loved ones complain of “spending too much time in the toilet,” you can quip “Toilets are being reinvented – they will be invisible.” (Ha, ha) Why doesn’t Chuck Norris flush the toilet? He scares the crap out of it!

Sincerely,

Bill McGuire, CDT
Citizens Energy Group is implementing a Long Term Control Plan (LTCP) to comply with a federal consent decree requiring combined sewer overflow (CSO) abatement. The DigIndy Tunnel System is the backbone of Citizens’ $2B LTCP, and includes seven primary components: the Deep Rock Tunnel Connector Pump Station, the Deep Rock Tunnel Connector, the Eagle Creek Deep Tunnel, the White River Tunnel, the Lower Pogues Run Tunnel, the Fall Creek Tunnel and the Pleasant Run Tunnel. Each tunnel is constructed in the bedrock nearly 250 feet below ground. After more than eight years of construction, three of the seven key projects are complete. The remainder of the system is in various phases of design and construction. Once the system is fully constructed, it will prevent over five billion gallons of combined sewage from entering Indianapolis’ waterways annually. The intent of this presentation is to provide an in-depth look into the DigIndy Tunnel System and share the benefits to our environment that the program will provide.
1. Which of the following statements are correct?
   a. Specifications take precedence over Drawings.
   b. Requirements of one of the Contract Documents may be superseded by others.
   c. Architect/Engineer may require the Contractor to perform at a higher level than the Contract Documents require.
   d. Contract Documents are complementary.

2. The requirements for Contractor to install Owner furnished products should be included in:
   a. Instructions to Bidders.
   b. Supplementary Conditions.
   c. Division 01.
   d. Specification Sections.

3. The method for computing credits for Change Orders should be described in the:
   a. Instructions to Bidders.
   b. Agreement.
   c. General and Supplementary Conditions.
   d. Invitation to Bid.

4. The specification type document prepared during the Design Development phase is called the:
   a. Preliminary Project Description.
   d. Uniformat Elements.

5. The Invitation to Bid:
   a. Contains detailed requirements for submittal of bids.
   b. Legally defines the Contract Documents for a Project.
   c. Is designed to attract qualified bidders.
   d. Includes the Instructions to Bidders and the Bid Forms.

6. How many football fields could the base of the Great Pyramid in Egypt cover?
The Hat Bikes!!
Snapchat with The Riddler, et al
## SPONSORSHIP

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<th>Sponsorship Benefits</th>
<th>Platinum ($1,500)</th>
<th>Gold ($750)</th>
<th>Silver ($500)</th>
<th>Partner ($250)</th>
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<td>Yes</td>
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<td>CSI Indy award plaque presented at award banquet.</td>
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<td>Company logo and website link in CSI Indy e-newsletter.</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
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<td>Company profile, or article (provided by Sponsor), featured in one (1) CSI Indy Newsletter. Platinum level Sponsor receives two (2).</td>
<td>Yes</td>
<td>Yes</td>
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<td>Custom banner and website link to sponsoring company on CSI website.</td>
<td>Yes</td>
<td>Yes</td>
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<td>Verbal recognition at monthly CSI Indy Chapter meeting.</td>
<td>Yes</td>
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<td>Company logo and sponsorship level on Sponsor banner at CSI Indy meetings and events.</td>
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<td>Event promotion in CSI Indy e-newsletter.</td>
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<td>2 Events</td>
<td>1 Event</td>
<td>-</td>
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<td>First choice of Tradeshow booth (free tradeshow booth)</td>
<td>1 Tradeshow Booth</td>
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<tr>
<th>First choice of Tradeshow booth (free tradeshow booth).</th>
<th>1 Tradeshow Booth</th>
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<tr>
<td>Free tabletop at CSI Indy Chapter Meeting to showcase your company and a 5-minute presentation to members.</td>
<td>3 Tabletops</td>
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<tr>
<td>Special Event Sponsorships (Awards, Seminars, Golf, Holiday)</td>
<td>Contact individual event for sponsorship opportunities.</td>
</tr>
<tr>
<td>*Sponsorships are valid for one calendar year from date of Renewal or Application</td>
<td></td>
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**MINUTES**

Minutes of the Indianapolis Chapter CSI Board of Directors can be read [HERE](#). Please contact the president with any comments or questions.

**CARTOON**

"My New Year's Resolution is to lose this belly... Oh, who am I kidding?"
QUIZ ANSWERS

1. - d [AIA A201-1.2.1*]
2. - c [PDPG 11.3.16.3*]
3. - c [AIA A201-1.18*]
4. - b [PDPG 11.3.11*]
5. - d [PDPG 12.2.1*]
6. Ten football fields. According to the Greek historian Herodotus, it took 400,000 men twenty years to construct this great monument.

The Indianapolis Chapter, CSI was founded in 1961 and continues serving the local construction community. The Chapter is currently the largest chapter in the Great Lakes Region. Our membership is made up of architects, engineers, interior designers, facilities managers, contractors, product manufactures and representatives, and others involved in the construction industry.