’Day! Thank you for your patience while our newsletter has been on a sabbatical. The main reason has been I need a new Editor at large so our great newsletter can continue to stay an informative and functional piece of the written word. If you think you fit the bill of wordsmith extraordinaire or even just interested in becoming more involved in our Chapter, please call me so together we can keep our members up to date with the information they need.

With the current bombardment of political advertisements and messages everywhere you turn, please don’t forget to vote in our Chapter’s election. Ballots will be in your email very soon. I encourage you to write in a name that you believe would do a great job in a certain position, which includes yourself. We are an organization run on volunteers, and without them we cannot offer our group the level of opportunities we always have.

April 15th is now behind us, it seems this day comes faster with each passing year, and with my extension filed, I can stick my head in the sand for another month.

Some “sticky note reminders.” Our conference this year will be our own West Region combined with Northwest Region. This means 8 states and 22 chapters will be represented, including Hawaii and Alaska. This year’s bi-region conference “Choices” will be held in Incline, Lake Tahoe from May 18-22, 2016. I would love to see you all there!

Don’t forget our golf tournament on April 22nd and this month’s meeting on April 28th which will once again be held at the Handlery Hotel. We will be hosting a presentation on 3D printing … from models to food and beyond. This will be a fascinating presentation with a glimpse into the future at a technology that is literally changing and improving on a daily basis.

Lastly, this year’s Construct will be held in Austin, Texas from September 7-9, 2016. If you have never been to a Construct, I highly encourage you to attend. A great venue and a wonderful city, along with the educational tracks that are offered, architectural tours, and not to forget the networking opportunities you will find all in one place.

See you all soon.

Racquel McGee, CSI, CDT 2015-16 SDCSI President

PLEASE WATCH YOUR EMAIL FOR 2016-17 CHAPTER BOARD ELECTION BALLOTS COMING SOON!

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Calendar of Events

♦ THURSDAY, APRIL 28, 2016—5:30 PM
CSI SAN DIEGO MONTHLY DINNER MEETING
Program: The Ambitious Future of 3D Printing
Presenter: Shai Yeshayahu
Asst Professor | Foundation Coordinator
University of Nevada, Las Vegas
School of Architecture
Location: The Handlery Hotel and Resort
950 Hotel Circle N., San Diego 92108

♦ NO CSI SAN DIEGO DINNER MEETING
IN MAY!

♦ MAY 18-22, 2016
WEST BY NORTH WEST REGIONAL MEETING
Location: Hyatt Regency Resort Spa & Casino
Lake Tahoe, California
CLICK HERE for more information.

♦ THURSDAY, JUNE 23, 2016
SITE TOUR AND DINNER MEETING:
CHATEAU FLOORING AND WALL PANELS
Location: DuChateau Corporate
8480 Miralani Drive, San Diego (Miramar area)

♦ THURSDAY, JULY 28, 2016—5:30 PM
CSI SAN DIEGO MONTHLY DINNER MEETING
Program: Pechanga Hotel Project
Presenter: Delawie Architects representative(s)
Location: The Handlery Hotel and Resort
950 Hotel Circle N., San Diego 92108

♦ THURSDAY, AUGUST 25, 2016—5:30 PM
CSI SAN DIEGO MONTHLY DINNER MEETING
Program: Choosing Paint Colors
Location: The Handlery Hotel and Resort
950 Hotel Circle N., San Diego 92108

♦ NO CSI SAN DIEGO DINNER MEETING
IN SEPTEMBER!

♦ SEPTEMBER 7-9, 2016
CONSTRUCT 2016 & ANNUAL CSI CONVENTION
Location: Austin Texas Convention Center
CLICK HERE for more information.

♦ THURSDAY, OCTOBER 25, 2016—5:30 PM
CSI SAN DIEGO MONTHLY DINNER MEETING
Program & Location: To be determined

♦ NO CSI SAN DIEGO DINNER MEETING
IN NOVEMBER!

♦ DECEMBER 2016
CSI SAN DIEGO HOLIDAY DINNER
Date & Location: To be determined

San Diego CSI is an AIA/CES Registered Provider.

San Diego Chapter SpecTickle Advertising

SpecTickle Advertising Rates
Business Card: $275 - 6 issues or $500 - 12 issues
¼ page: $550 - 6 issues or $1,000 - 12 issues
1-pg flyer/issue: $125 mbrs; $150 non-mbrs
For more info, contact Executive Administrator
Margy Ashby at admin@sandiegocsi.org
or 877.401.6733 / 619.401.6733.
DEADLINE for May newsletter input: FRIDAY, MAY 6th

RESERVATIONS
The CSI San Diego Chapter accepts credit cards for Chapter events through BROWN PAPER TICKETS.
877.401.6733 • 619.401.6733
admin@sandiegocsi.org
A RESERVATION MADE IS A RESERVATION PAID!
A Plea to CSI San Diego Chapter Members—

We are seeking participation from San Diego Chapter members.

To truly make the San Diego CSI SpecTickle your newsletter, it would be great if more members could contribute articles and reports about their endeavors and areas of interest and expertise in the Construction World.

If you are interested in editorship of the SpecTickle, that position is also available.

This Chapter has many talented, knowledgeable people, with various backgrounds and expertise.

Please let us hear from you!!

Keynote Speaker: Roger Crawford

Sports Illustrated has acknowledged Roger Crawford as “one of the most accomplished athletes in the world,” On recognition of his extraordinary athletic achievements, he was the recipient of the prestigious ITA Achievement Award, presented by the International Tennis Hall of Fame.

After realizing tremendous success on Center Court, as a Division 1 athlete he took his talents to Center Stage and became a motivational speaker. Roger positively influences audiences worldwide, eloquently sharing the principles he has lived - adaptability, possibility thinking, and eliminating self-imposed obstacles. His remarkable life story is a powerful example that “Challenges are inevitable, defeat is optional!”

Friday Night Speaker: Greg Papay, FAIA

The Intersection of Design and Performance: The Tesla Motors Lesson-

Explore the extraordinary success story of Tesla Motors, how they intertwined design, engineering, and manufacturing processes, and how you can learn from their approach to produce better work.

Greg Papay, FAIA is a partner at Lake|Flato Architects, where he focuses his work on revealing the balance of art and science in their architecture. He is also the firm’s managing partner, and looks for inspiration in alternate industries to improve the office’s evolving practice model. He owns two Tesla Model S cars, and has spoken at each of the first two annual Tesla conferences.
Value Members,

CEO Mark Dorsey, FASAE, CAE promised at the CSI Annual Meeting in St. Louis, I've been listening. Many of you have shared your views and passion about CSI. I heard your concerns that CSI is at a critical juncture, must be more responsive to you and the evolving needs of the industry. That said, we have a major opportunity to reinvigorate your Association; make it an indispensable resource to you, and attract new generations to become more involved in CSI.

My immediate focus last September was on three key areas:

- Certification;
- Technology and its impact on member service; and
- CSI’s financial position and focused support of new and existing initiatives.

Bluntly put, in speaking with you and in reviewing survey results, you’ve said loud and clear that CSI must improve the quality and consistency with which the Association connects with you, makes resources available to you, and offers solutions to the problems you see in the workplace.

Thanks to the support of your Board of Directors, we’ve taken the first steps to address your concerns by:

Initiating a substantial technology update to improve your online experience. These enhancements include the development of a new approach to mobile and web services designed to make it easier to connect with CSI and to improve the reliability of those services;

Changing CSI’s approach to Member Services with an emphasis on improving phone answering capability and reliability;

Identifying areas to trim costs and streamline business processes, in order to invest in future products, programs, and services to meet your needs;

Assessing the state of certification and education programs, and building on past successes, to ensure you are fully supported in your professional growth; and

Ensuring CSI’s resource materials are continuously refreshed and updated by respected subject matter experts. We look forward to the 2016 release of MasterFormat® this spring.

The litmus test will be you, valued members and stakeholders, telling us how we are doing.

I am excited to share details of our progress as we implement these changes, and even more enthusiastic about being with you at CONSTRUCT this September in Austin. There I will share more exciting and valuable developments.

As a result of these first steps, I expect we will have our new website up in the summer, providing you with easier access to extensive resources. You will have the ability to participate in vital discussions on topics that interest you through improved online communities. These communities will give you easier access to each other, enabling you to share your knowledge and tap into the knowledge of others. We are focused on providing streamlined and efficient service to you, both as a member and as a region or chapter leader.

While these changes won’t happen overnight, please know that positive change is underway and more is coming. Your Board of Directors and staff are focused on modernizing CSI and making it the Association you deserve.

Please continue to express your ideas to improve your Association, as I will continue to listen.

Thank you for your support of CSI.

Mark Dorsey, FASAE, CAE
Moving Forward – CSI’s Future

John F. Kennedy wrote, "Change is the law of life. And those who look only to the past or present are certain to miss the future."

I started my term as CSI President with an article contemplating the future and how to create a better CSI. Today, I am excited to share we are poised to do just that. On Sunday, March 20, 2016, your Board of Directors took steps to modernize CSI and its governance - and give us the platform for future success - by unanimously recommending needed Bylaws amendments to you, the CSI voting member.

You may be asking, how did the Board develop this proposed Bylaws referendum, what exactly are the changes and what do they mean for me? Over the last year, we have been listening to your concerns. We heard meaningful change was needed to help you prosper and advance our professions well into the future. We recognized that change needed to start with us--your Board of Directors. During this self-examination, we examined and discussed trends and business factors. We also reviewed current and expected member demographics and explored best practices in effective association management.

The Board realized a new, clear, and streamlined approach to accountability and delegation will enable CSI to be more responsive to you. It will allow us to optimize resources, become more nimble, and focus on strategies to ensure CSI's essential ongoing place in our fast-changing industry. Part of this new approach means presenting you with amendments to Institute Bylaws.

These changes are a much-needed evolutionary step. They create a framework to be more proactive so CSI will provide an environment conducive to realizing your full professional potential. We, as your Board, will focus on end results and benefits for our members.

An effective board must understand its role and pursue it with passion while having concise outcomes in mind. The Board has clear understanding of CSI's strengths and weaknesses, its history, and what we must accomplish to be relevant. We are moving forward, building on and improving our technical, certification, and education resources-positioning them, and you, to be sought after globally.

Voting on the proposed Bylaws Referendum will begin in late April or early May, and will close after a four week voting period. Results will be communicated shortly thereafter. You can e-mail additional questions to referendum@csinet.org.

I wanted all chapter and region leaders to have this advance copy of my message to our membership. It will be appearing in the Inside CSI section of the Construction Specifier May issue and published to all members in the next CSI Weekly. You can also view additional information here.

We are at a pivotal moment in CSI’s history. We have the opportunity to create an environment that clearly enables your success. By approving the Board’s request to amend our Bylaws, you will help us guide CSI toward the performance-based organization we all know it can be, should be, and must be to serve the interests of our members.

Lane Beougher, FCSI, CCS, CCCA
CSI President
Key clauses of the general conditions; complementarity

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

Although it didn't seem like it at the time, one of the best parts of my CSI chapter’s certification classes was reading the A201 — not selectively, but the whole thing, beginning to end. Being the heart of the construction contract, anyone who works on a project should know what's in it. I can't quote every part of it, but it's familiar enough that I can find what I'm looking for fairly quickly. I don't deal with much of it, e.g., claims and time requirements, but there are a few parts that I find of particular interest.

We'll start with what I call the complementary clause.

§ 1.2 CORRELATION AND INTENT OF THE CONTRACT DOCUMENTS

§ 1.2.1 The intent of the Contract Documents is to include all items necessary for the proper execution and completion of the Work by the Contractor. The Contract Documents are complementary, and what is required by one shall be as binding as if required by all; performance by the Contractor shall be required only to the extent consistent with the Contract Documents and reasonably inferable from them as being necessary to produce the indicated results.

Most architects are aware of this requirement, which is quite useful when something is on the drawings but didn’t make it into the specifications. Clearly, when that happens there has been a communication failure. The specifier might not have seen something on the drawings, or it might have been added unbeknownst to the specifier. Regardless of the reason, this clause has saved many an architect when something was missed.

It's obviously a useful fallback requirement, but it shouldn't be relied on to cover mistakes that should have been avoided. It is quite powerful, but it also is limited. Let's look at a couple of examples.

The bidding documents show a bathroom on the drawings, and in the bathroom, floor tile is indicated. Unfortunately, there is no specification for tile. No problem, right? The complementary clause requires the contractor to provide floor tile! Of course, there is that pesky provision that requires to contractor to ask the architect about obvious conflicts, but it's pretty much impossible to prove the contractor saw this error and failed to call the architect.

Now we're in construction, and the contractor discovers the error. Because the tile should have been included in the bid, and because of the complementary clause, the contractor is on the hook; the tile must be provided. That is true, but without specifications, the contractor is free to choose any type of tile. The contractor can claim the bid was based on plastic tile on sale at the dollar store, instead of the really cool stuff the architect wanted, priced at $20 per square foot. Furthermore, without installation instructions, the contractor could argue that simply laying the tile on the floor is all that's required.

A silly example, to be sure, yet it emphasizes the importance of specifications as a way to ensure you get what you want.

Perhaps less common is having specifications for something that does not appear on the drawings, but it does happen. Let's use fire extinguisher cabinets for this example. The specifier knows the project has them, and includes the specification section. As long as the locations are on the drawings, it doesn't matter to the specifier if there is but one, or if a hundred will be required.

This time, when the "missing" fire extinguisher cabinets are discovered, the contractor says, "The locations weren't shown, so I assumed only one was needed." The specifications are there, so the correct unit is provided, but instead of a hundred, the contractor included only one.

Another aspect of the complementary clause isn't so obvious. Note that the contractor is required to provide "all items necessary for the proper execution and completion of the Work". This applies not only to tile and fire extinguisher cabinets, but to all the stuff used to hold everything together. It may be possible to specify absolutely everything used in a building, but given the number of products used, it's likely that some things are not specifically addressed. Instead, they are
Are Your Specification Concerns Reaching the Right Person?

By Liz O'Sullivan (May 13, 2015)

Owners, contractors: I'm talking to you. The person who writes the specifications for a project is often not the project architect. Why is this important to keep in mind? A story from real life:

Last night as I sat at dinner with my family, we discussed plans for an upcoming weekend away with friends. My husband has employees, and is good at delegating tasks to his associates and assistants. I work for myself and am used to doing everything at the office. Sometimes my husband employs his well-developed delegation skills at home. (Sometimes I'm halfway through doing something before I realize that he has delegated to me a task that he really ought to be doing himself.)

Last night, the delegation was about our travel plans – he was asking me to email something to our friends that he was having trouble communicating clearly to me. I didn’t understand the point he was trying to make, yet he was asking me to reach out to our friends and “let them know.”

I wasn’t going to pass on some unclear nonsense in an email with my signature. After I suggested that he send the email himself, he managed to verbally articulate his concerns clearly to me, and I later sent the email. It would have been better if my husband had sent the email himself, but he doesn’t like typing (and I love him).

Sometimes while my husband is driving, he'll call me and ask me to contact someone about coordinating the kids’ soccer practice pickups that he and someone else have already communicated about. I know nothing about their plans, the two of them have previous knowledge, I’m supposed to be the middleman, but I don’t have all the information they have. I do my best, I ask questions to make sure that I’m passing on the right info. I really prefer that my husband contact people directly, but sometimes he doesn’t have contact info at hand while he’s driving.

Not everyone who fulfills delegated middleman tasks is as conscientious as I am. Not everyone understands the things they listen to, transcribe, and send on to someone else, yet they send them on, because they know it’s part of their job. Double-checking that you’ve properly understood the meaning of something before you pass it on to someone else is a good practice, whether it’s for work or fun, but not everyone does this.

The owner, the end users, the construction manager, the general contractor, and the subcontractors on a construction project usually communicate with the project architect or the architecture firm’s construction contract administration person. This person may or may not have prepared the project specifications; usually someone else wrote the specs. If a sub has a question about something in the specifications, and has an old-fashioned talking conversation about it with the project architect, important items have the potential to be lost before they get passed on to the specifier. The project architect or contract administrator, the middleman in this case, may not have the deep knowledge about specifications that the subcontractor and specifier have, and might only pass on what was understood, or might even take a guess at what was meant.

Owners, users, construction managers, general contractors, subcontractors: Never assume that your contact at the architecture firm actually wrote the specs. Keep in mind that it’s possible that this person isn’t actually very familiar with the contents of the project manual. If the specifier is not at your project meeting, and items come up that affect the specs, I suggest that you communicate your concerns in writing to the project architect, so that the project architect can send on your concerns to the author of the specifications verbatim, and not risk having the original meaning of your question or comment get lost in translation. Better yet, copy the specifier on your email to the project architect… or maybe even save the specifier a seat at the table for your project meetings.
In Memoriam

Ronald Jack Curry, 82, passed away on October 28, 2015. He was born in Lincoln, Nebraska, on February 9, 1933. Ron was an Architect and Specification Writer, a Professional CSI San Diego Chapter member for 41 years beginning in August 1974. He was also a Past President of the Chapter Board of Directors and publisher of a CSI trade newsletter. Ron was self-employed as an Architectural Specification Consultant with R.C. Specifier beginning in August 1982, during which time he performed years of contract work for a number of well-known architects. In September 1991, Ron joined the Southwest Division NAVFACENGCOM. He was a CSI Member Emeritus until his passing. Besides spending time with his own family, Ron enjoyed singing more than anything. Ron is survived by his wife of 53 years, Gwenda, his four children, and seven grandchildren.

~ ~ ~ ~ ~

Arthur Asami Matsuura, 100, passed away on April 6, 2016, in San Diego, California. He was born in Fowler, California, on March 10, 1915. Art was an Architect and CSI San Diego Chapter Professional member for 36+ years (since December 1977), resigning as a Member Emeritus in June 2014 “due to age and medical reasons.” Art is survived by his three children, two grandchildren, and one great grandchild. Memorial services will be held on May 7, 2016 at 2:00 PM at St. Mark's United Methodist Church located at 3502 Clairemont Dr, San Diego, CA 92117.

Key clauses of the general conditions; complementarity

considered to be components of an assembly that are indirectly specified by way of reference standards or manufacturers' instructions. AIA’s position on this is stated in the AIA Document Commentary for the A201: "The contractor is expected to make reasonable inferences from the contract documents. When the documents show wall partitions covered by drywall, for example, it may be inferred that some reasonable method will be used to attach the drywall to the underlying framework."

However, what a "reasonable method" is, without the support of specifications, is debatable. For common products, such as drywall, it shouldn't be difficult to show that Gypsum Association standards and similar references would be reasonable. And while the same argument could be used for installation of ceramic tile, the contractor could reasonably argue that without specifications, the most basic of the many installation options available in Tile Council of North America are all that is required. Still, that's a great improvement over simply laying the tile on the floor!

The complementary clause is powerful, but there is no substitute for showing everything required both on the drawings and in the specifications.

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Agree? Disagree? Leave your comments at http://swspecificthoughts.blogspot.com/
The Great Builders

The Great Builders is more than a history of architecture. Using brief biographies of 40 notable engineers, architects, and builders along with detailed descriptions of their contributions to construction, it provides a look at the lives of these men in their times and presents each of their significant developments in the history of design and construction beginning with Brunelleschi's dome at Santa Maria del Fiore, in 1436, and continuing to the great architects and engineers working today; Gehry, Calatrava, and Norman Foster among them. While many of the names might not be well known to us, after you read of their accomplishments I think you'll agree each of them are integral to the history of design and construction.

It wasn't until the 15th century that "artists" began to emerge as individuals distinct from builders. Brunelleschi was one of the first and was featured in Vasari's, "Lives of the Artists" written in 1550. Prior to this even the cathedrals in England and France were constructed, and "designed" by mostly anonymous master masons. Architecture and engineering weren't recognized as professions until King Louis XIV founded the French Royal Academy of Architecture in 1671. And it wasn't until the 19th Century that the British Royal Institution of Civil Engineers was founded, (in 1818), the Royal Institution of British Architects was founded in 1834, and our AIA was established in 1857.

Several of the architects and engineers portrayed in the book began their working lives in unrelated fields. Brunelleschi was a goldsmith, American architect James Bogardus and English engineer Isambard Brunel began work as apprentice clockmakers, Sir Christopher Wren was an astronomer at Oxford, and architect William Le Baron Jenny started working as a landscape architect. Others were polymaths. In addition to Wren's astronomy studies, he also did research in human anatomy. Gustave Eiffel was a life-long scientist and preformed radio transmission and meteorological experiments from the top of his tower in Paris. Bogardus held 13 patents for things ranging from yarn spinning machines to gas meters. Frei Otto, famous for his design of the tensile membrane structures at the 1972 Munich Olympic Games, did interdisciplinary research throughout his career including studies on passive solar heating for buildings in the 1950s.

While it's true that some architects don't achieve fame until late in life, many more were extremely young when they made their contributions. Typical of the late starters, Louis Kahn was 50 when he began work on his first significant project, the Yale Art Gallery. Mies vander Rohe was in his late 50s when his important work in Chicago was started. On the other hand, Eero Saarinen won his first significant commission, for design of the Gateway Arch in St. Louis, at age 37. He compiled an impressive portfolio of work before he died at age 51. In the 19th Century there are even more examples of young architects such as Viollet-Le-Duc who, by the age of 31, had sufficient experience to be awarded the restoration work at the cathedral of Notre Dame de Paris, in 1845. A. W. N. Pugin, the English architect died at the age of 41 after completing work on design for the Houses of Parliament and the Palace of Westminster in London, in addition to having written two important books on architectural theory. Isambard Brunel at age 29 was already the chief civil engineer for England's Great Western Railway. Before he died at age 53 in 1874, he had designed railways, iron steamships, wrought iron bridges and the longest suspension bridge in the world at that time, the Clifton Suspension Bridge at Avon. In 1858, at the age of 26, Eiffel was given responsibility for construction of, what was at the time, the longest iron bridge in France. The AIA was established in 1857.

Architects and engineers have a long history of developing their skills through apprenticeships. Prior to the establishment of the first engineering and architecture schools in the 19th Century, apprenticeship was the only route to a profession. Today apprenticeship, now called internship, follows graduation from an architecture or engineering school. However, even in the early 20th Century there were important architects who did not have an architectural degree. Louis Sullivan, Mies vander Rohe, and R. Buckminster Fuller are three examples. Fuller flunked out of Harvard twice. Sullivan and Mies didn't finish architecture school and instead went straight to work in established practices.

Among the other important engineers and architects presented in the book are Kenzo Tange, Ove Arup, Pier Luigi Nervi, Frank Lloyd Wright, Le Corbusier, August Perret, Francois Hennibue, and Joseph Paxton. In each instance their technical ingenuity or their aesthetics is described in the context of their time and compared with those who came before and after.

The Great Builders was edited by English architectural historian Kenneth Powell. Each of the biographies was written by an authoritative historian. The book was published in 2011 by Thames & Hudson. It contains 304 pages and over 220 excellent drawings and historical photos.

Ed Buch, CSI, CCS, AIA
Los Angeles, CA
### San Diego Chapter Board of Directors

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<th>Position</th>
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<th>Phone</th>
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### San Diego Chapter Committee Chairs

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