Program Information
Tuesday, May 10, 2011

Orange County CSI Chapter
May Meeting

Program: Radiation Protection for Medical Oncology Therapy, Nuclear Energy Facility Design, and Construction Applications

Speaker: Vince Wohler, AIA, CSI, USGBC, NFPA, NSC, ANSI, HPS, ASHE
RAY-BAR Engineering Corporation

Vince Wohler of Ray-Bar Engineering Corporation will be presenting information on Medical Radiation Therapy, Oncology and Nuclear Energy shielding and Construction. Ray-Bar Engineering Corp has provided designing, consulting, engineering, manufacturing and construction services of x-ray protection products and radiation shielding building materials in Hospital Oncology Facilities, Medical Radiation Therapy, Industrial Imaging, Security and Nuclear Energy applications over the entire state of California, Nationally and worldwide in U.S. friendly countries for well over 65 years.

This presentation by Vince Wohler will review typical high energy x-ray protection and radiation shielding construction designs, heavy shielding assemblies, components, various specialty products and materials, specifications, and details. Current code compliance, correct shielding of utility penetrations, radiation protective safety requirements, proper installation techniques, National and International codes, material and product requirements, safety handling, certification authority, compliance and procedures will be provided. He will also discuss common mistakes and proper documentation for proceeding with project inspections and material verifications with even greater information and confidence in current construction codes and safety requirements. The presentation also includes discussion on cutting edge cancer therapy treatments, recent global events, Iran’s ambitions and Japan’s Fukushima Power Reactor issues such as releases, response, mitigation, general exposure risks and the potential affects on the world’s security and future Nuclear Power Energy safety, planning and construction considerations.

Come join us for this very interesting, technical and timely presentation. This is the second in a series of presentations by Vince Wohler.

Time: 5:45 - 6:45 PM Social/Tabletop Exhibits/No Host Bar
6:45 - 7:30 PM Dinner
7:30 - 8:30 PM Program

Location: Phoenix Club
1340 S. Sanderson Avenue
Anaheim, California

Directions: Orange County Thomas Guide 769-EU and 799-E1, 57 Freeway to Ball Road exit, east to Phoenix Club Drive, south to Sanderson Avenue, right to entrance

Parking: Plenty of free parking

Dinner Cost: $30.00 for OCCCSI members and nonmembers with reservations. $40.00 at the door.
(No-show reservations will be billed)

Tabletops: Product representatives are invited to display at this meeting. The cost for a tabletop is $80.00.
Contact Pete Thomsen at (800) 600-6634 for information.

Reservations required by May 6, 2011. Call the OCCCSI hotline at 714-434-9909.
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Committee Chairs

Academic Affairs  Trevor Resurreccion, Esq., CSI, CDT  (949) 837-8200
Advertising  Dana Thornburg, CSI  (800) 600-6634
Awards  Gary M. Kehrier, CSI, CDT  (949) 589-0997
Budget  Annette Wren, FCSI, CDT  (562) 592-3187
Certification  Steven Olitsky, AIA, CSI, CCS, RA  (949) 235-9566
Education  Steven Olitsky, AIA, CSI, CCS, RA  (949) 235-9566
Golf Tournament  Pete Thomsen, CSI  (951) 737-7447
Long Range Planning  Mark H. Niese, CSI, CDT  (949) 450-8420
Membership  Dana Thornburg, CSI  (800) 600-6634
Newsletter  Gary M. Kehrier, CSI, CDT  (949) 589-0997
Product Show  Bryan Stanley, CSI  (714) 221-5520
Programs  Pete Thomsen, CSI  (951) 737-7447
Roster  Catherine Sturgeon  (714) 342-0290
Website  Nathan Woods, CSI, CCCA, LEED AP  (949) 809-3489

ADVERTISING RATES

Business Card Size Ad $250.00
Double Card Size Ad $350.00
Quarter Page Size Ad $450.00

Ads should be submitted as camera ready art. If on disc, the format should be Adobe Illustrator or Photo Shop. To purchase an ad space please contact Dana Thornburg, CSI (800) 600-6634.

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Greeting to My Fellow CSI Members,

I hope this time of the year, now a third gone, is finding you well. This month, I wanted to discuss PAST, PRESENT & FUTURE.

Many studies about membership in CSI, especially at the local level, are based on two areas that constantly rate among the top five: business networking and friendship.

PAST - An important aspect of our organization are the people as people. In January, we lost a dear member and close friend, Sam Drucker. Because he stayed in touch with many of us, his passing was noted and felt by many. In the Los Angeles Chapter, at the same time, a passing of one of their own occurred, but partly due to maybe a lack of closeness, the passing was not noticed until after the funeral. A feeling of sorrow was felt by many, not only for the loss, but also missing the opportunity to offer support and condolences to the family. We never want that to be part of our chapter. We all need to be aware of each other as people with lives outside of business.

PRESENT - Please note the 2011 OCCCSI Directory. As a benefit to all members, we have included a section of members broken down by Division Format. We have listed the member's names and their companies. Please use this as a resource to contact industry members when you need information about the products they represent. This is the design community's way of supporting those who support us. Also, please be open to receive their calls and include their products in your Project Manual.

FUTURE - If you note the cover of this newsletter, you will see that this is the 46th year of our chapter. We will be celebrating our 50th Anniversary in 2014. As this will be a major event in our Chapter’s existence, we would like to make it a very special gala event. I am asking volunteers to help plan and participate in this activity. We need to select a location, food, theme and so on. It will be a major effort, but with helping hands, hearts, and minds, I am sure it will be an event memorable for all. Please contact me if you would like to participate.

As we continue through this year let us reach out to each other on a business and personal levels to make everyone's life richer.

Steve
What is it that a majority of human beings are afraid of besides public speaking? Yes, you guessed it. The BIG “D” - death. My guess is that half of you readers are bailing out of reading this article just about now. Pull yourself together and try to read on!

On March 7th, CSI members in Southern California discovered that through an e-mail error, they did not receive notification of the January 26th death of a very dear person, Annamaria Clark. Annamaria was the wife of Cliff Clark, LACSI member. Annamaria was an active member of the former LACSI wives group called the C.C.s (Complimentary Corps.). She had attended monthly LACSI meetings with her husband until about a year ago. This instance reminded me of other CSI members that passed without our knowledge. In fact, Sheldon Wolfe wrote about this in his article entitled “Memory Loss” which appeared in our January/February 2011 Orange Peel.

There is nothing worse than finding out that you missed an opportunity to support or honor someone. We live in an instantaneous news world; however, sometimes news just does not travel around electronically as we believe it will. Notification means personal contact by telephone as well. This exact instance happened to me as I left our Board of Directors Meeting on February 8th. Sam Drucker’s daughter called me to inform me that he had passed away. We were able to honor Sam and emotionally support his family at the services.

My message is that we all need to create a “paper trail” in our lives. This “paper trail” is one where you leave contact information in case you encounter illness or death. Don’t freak out about this! You could be walking down the street and get hit by a bus. This is not an elaborate “paper trail”. This is simply who should be called. You need to keep this on your person as well as keeping a more detailed list at home. You may put an important contact listed in your address book on your cell phone as “ICE” (in case of emergency). Who needs to be notified? This means your family, social and business contacts. How simple is this?

Consider this: It is March 20, 2011. You are a 38 year old healthy male. You leave your personal and business cell phones in your Mercedes and go into a big box store in the Inland Empire. As you are shopping, you experience a seizure. You are sent to a hospital in a coma. You are in ICU and unable to help the staff locate your next of kin. They call your home phone per your DMV records. No one is there since you live alone. The next day, your boss calls your family to ask where you are. The family files a missing person’s report. No one at the big box notices your abandoned vehicle. Three days later, an astute hospital person finds a member of your family. This young man is a cousin of mine. The challenge of finding the next of kin is one of the biggest challenges in this type of situation. There is a new possibility. There is a service called Mutual Good. It is an emergency information portal that allows you to register critical information about yourself, your family and can include friends in a community called an Emergency Network.

Now the “tough stuff” that some of you will really NOT want (continued on page 14)
A few months ago, in "Go-to guys", I spoke of the many excellent product representatives I know, and how valuable they are to me in my job as a specifier. This past month, I experienced something just a bit different. It wasn’t that the product reps weren’t helpful, but their corporate structure made it difficult for them to offer the help that specifiers need, which, in turn, makes it difficult for specifiers to properly serve their clients.

It all started with an e-mail from one of our construction administrators, about a substitution request. The subcontractor claimed that a substantial savings would result from using the proposed products, and went on to say that one of the proposed substitute products was, in fact, identical to one that had been specified.

I’m sure many specifiers are asking themselves, “If it wasn’t specified, why didn’t you just reject it?” That’s a great question for a future discussion, but for the moment, accept as fact that there was more than one good reason to consider the request.

My research began with the supplier’s claim that one of the proposed substitutions was the same as one that had been specified. As it turned out, this was not a simple claim that one product was very similar to the other, but that the two literally were the same. This was something of a surprise, as we had been using the specified products for more than a decade, while the supposed equal product was an unknown.

It didn’t take long to determine that the manufacturers of the competing products were subsidiaries of a larger company. The fun began when I called the parent company’s toll-free number. After identifying myself, the call went something like this.

"I’d like to talk with someone in your technical department, to find out if specified product A and substitute product B are the same."

"Where are you located?"

"St. Paul."

"Call your local representative at 555-555-0101."

"Does that representative deal with both A and B?"

"No. If you want the representative for B, call 555-555-0123."

"I’d like to speak with someone who is familiar with both products."

"You’ll have to call your local rep."

"Do you mean to tell me that there is no one in your office who can answer the question?"

"That’s what our field representatives are for."

It was clear that this wasn’t going any further, so I said "thanks" and hung up. I called one of the numbers; the phone rang for so long that I gave up and tried the other. That rep was out of the office, so I left a callback message.

(continued on page 14)
THE ORANGE COUNTY CHAPTER OF THE CONSTRUCTION SPECIFICATIONS INSTITUTE WISHES TO THANK THE FOLLOWING COMPANIES THAT WILL BE EXHIBITORS (PARTIAL LIST AS OF APRIL 10):

MINI-BOOTHS:
- Partition Specialties, Inc.

TABLETOPS:
- American Building Supply - Hardware Division
- Angelus Block Co. Inc.
- Arcadia, Inc.
- 4specs.com
- Centria
- Cemco
- Custom Building Products
- Foam Concepts Inc.
- Fortifiber Building Systems Group
- Frazee Paint Company
- Integrated Marketing Concepts, Inc.
- Mapei Corporation
- Merlex Stucco, Inc/VERO
- Omega Products International Corporation
- Orco Block Company
- Pacific Polymers International
- Ray-Bar Engineering Corporation
- Sherwin Williams Company
- Smalley & Company/Dow Corning
- Thompson Building Materials
- Tnemec - TPC Consultants, Inc.
- Tremco Commercial Sealants & Waterproofing
- Vista Paint
- Western Wall & Ceiling Contractors Association
The Orange County Chapter of the Construction Specifications Institute

Announces

Our Annual Installation & Awards Banquet

At the

Summit House Restaurant
2000 E. Bastanchury Road
Fullerton, California 92835

On June 14, 2011

You are cordially invited to attend our Installation & Awards Banquet. The Summit House Restaurant is located in Fullerton’s Visalia Park area and is styled after an old English Tudor Manor. The décor features carved high beam ceilings, quaint fireplaces in each dining room and floor to ceiling windows to take full advantage of the spectacular view.

Dinner Choices are as follows:

- Roasted Prime Rib of Beef
- John Dory
- Oakwood Rotisserie Chicken

Time:
- 6:00 - 7:00 PM Social
- 7:00 - 8:00 PM Dinner
- 8:00 - 9:00 PM Installation & Awards

Directions: Orange County Thomas Guide page 739 C-4, 57 Freeway to Yorba Linda Blvd, exit, West to State College, North to Bastanchury. Two entrances to restaurant - one on State College before Bastanchury (on west side of street) other entrance on Bastanchury (just west of intersection).

Parking: Plenty of Free Parking or Valet with charge.

Dinner Cost: $55.00 for OCCCSI members and nonmembers with reservations.

Mail your check with your menu choice to: OCCCSI
Post Office Box 8899
Anaheim, CA 92812

Reservations by mail required by June 10, 2011.
We are proud to present our exhibitors from our Construction Products & Services Expo 2010. Learn about each of them in this column. By the next show on September 27, 2011, all of our 2010 exhibitors will have been featured in this Orange Peel column.

Tnemec High Performance Coatings: Since 1921 Tnemec has been manufacturing high performance coatings for all types of architectural and industrial projects. Architects, Engineers, designers and owners have long appreciated the value of an aesthetically pleasing place of business. Whatever the substrate, surface or exposure conditions Tnemec offers the perfectly matched coating solution that consistently delivers optimum performance, longer lasting beauty and a maximum return on investment. Don’t let anyone tell you that all coatings are the same. Tnemec coatings stand the test of time and we can prove it. Contact: Tony Hobbs, Telephone: 310-804-2326 ext. 23; E-mail: thobbs@tnemec.com; www.tnemec.com.

Urethane Polymers International, Tufflex Polymers and Excellent Coatings International has extensive experience in manufacturing high-performance coatings that provide proven solutions to waterproofing challenges. The three companies design systems with a complete understanding of the factors that will affect their performance out in the environment. We proudly manufacture a complete line of polyurethane and Polyurea traffic bearing waterproofing systems, below grade membranes, cementitious acrylic decking systems and chemical resistant epoxy coatings. For more information, call Ron Kelly (909) 357-7200; fax (909) 357-7215 or www.urethanepolymers.com, www.tufflexpolymers.com and www.excellentcoatings.com.

VISTA PAINT CORPORATION: Vista Paint Corporation is a regional paint manufacturer celebrating over 50 years in business. Vista Paint has 47 company owned stores throughout California and Southern Nevada. Our corporate office and manufacturing facility is in Fullerton, California. We are proud of our Carefree Earth Coat line of coatings which is zero VOC and low odor. Contact: Mo Marquez, CSI; 714-680-3800.

ARDEX Americas - A global leader in the development and manufacturing of high-performance specialty building products including all aspects of flooring and tile & stone installations for commercial and residential applications. ARDEX Americas has led the industry for 30+ years in product performance and innovation. ARDEX introduced self-leveling cements into the U.S. and ARDEX K 15® is still the most specified self-leveling underlayment in North America. ARDEX FEATHER FINISH® is the industry standard for patching underlayments and ARDEX SD-T® is the best-in-class concrete topping for finished and decorative concrete surfaces. ARDEX also offers a comprehensive Polished Concrete System and a full-line of Concrete Repair and Restoration products for exterior concrete surfaces. ARDEX prides itself on unmatched customer service, technical support, training and a commitment to the profitability of its customers’ businesses as the Ultimate Partner. Contact: Jen Davis, Ardex Americas; Mobile: (951) 850-7384; www.ardexamericas.com.

Dunn-Edwards Corporation: Dunn-Edwards Corporation is the foremost manufacturer and supplier of premium architectural and industrial coatings in the Southwest, for one reason: it’s the best. Dunn-Edwards provides a complete line of paints and supplies for the professional. Contractors, architects, and designers prefer us for our superior quality paint, comprehensive color system, and excellent service. Dunn-Edwards is also known for its long history of environmental responsibility, balancing the pursuit of product excellence with a desire to protect the environment. Contact: Chris Zahorchak, Representative, Architectural Services Department; 800 733-3866 X7650 | 310 994-1467 cell | 714 962-1842 fax; chris.zahorchak@dunnedwards.com | http://www.dunnedwards.com.

Serious Materials, Inc. - Meeting New Acoustical Guidelines for Multi-Tenant High Performance Buildings: New acoustical guidelines for multi-tenant building design require higher sound transmission class (STC) rated walls. QuietRock offers the lowest total cost, most reliable solution that delivers these results - while saving
Event: Construction Products & Services Exposition 2011
Marconi Automotive Museum & Foundation for Kids
1302 Industrial Drive
Tustin, California

September 27, 2011

Sponsor: Orange County Chapter Construction Specifications Institute

Invitation:
• You are invited to participate as an exhibitor.
• Architectural seminars with AIA/CES credit prior to exhibits.
• Display your products for local design professionals, owners, contractors, facilities managers and others.
• Exhibit hours are 4:30 p.m. to 7:30 p.m.
• Gourmet hors d’oeuvres passed during exhibit hours.

Reservation: Please make your check payable to the Orange County CSI Chapter. Upon our receipt of your check, you will then receive set-up details and location confirmation. No verbal, fax or credit card reservations will be accepted. For questions, please call Bryan Stanley (714) 221-5520 or Gary Kehrier (949) 589-0997

Price of Exhibits: BEFORE, June 10, 2011 (Postmarked)
FOR 2010 EXHIBITORS ONLY: THESE PRICES ARE GOOD UNTIL AUGUST 31, 2011 (Postmarked)
Tabletops (6’ x 2-1/2’ table).........................................$600.00 each
Mini-Booths (8’ x 2-1/2’ table)..................................$700.00 each
Booths (approx. 10’ x 8’)..........................................$900.00 each

AFTER, June 10, 2011
Tabletops (6’ x 2-1/2’ table).........................................$700.00 each
Mini-Booths (8’ x 2-1/2’ table)..................................$800.00 each
Booths (approx. 10’ x 8’)..........................................$1,000.00 each

Mail to: Orange County CSI Chapter
Post Office Box 8899
Anaheim, CA 92812

RETURN THIS PORTION WITH YOUR CHECK

Event: Construction Products & Services Exposition 2011
September 27, 2011 - Marconi Automotive Museum & Foundation for Kids

Amount Paid: .........................................................................................$_______________________________
Contact Name: _____________________________________________________________________________
Company Name: ____________________________________________________________________________
Address: ___________________________________________________________________________________
City, State, Zip: ______________________________________________________________________________
Phone Number: ______________________________________________________________________________
Fax Number: ________________________________________________________________________________
E-mail Address: _______________________________________________________________
Again this year our overzealous lawmakers bring new laws that all of us in the building industry have to add to our already voluminous collection. Almost no media outlet seems to produce a list and summary of these new statutes that many of us have to deal with at some level.

As many of you are aware, the newest requirement of the bunch is the now mandatory CalGreen Code. Summaries of this new one are available. The biggest item in this code is that how it applied is variable between jurisdictions. Adjacent cities can have widely different implementations. Anecdotally, most cities I’ve heard about have elected the minimum standards.

The part that always gets us as design and construction professionals are the laws and statutes that the legislature creates in areas other than the building codes. For once I thought we should be made aware of them.

This one I included below is important for many of us that have to be involved with re-roofing or even remodeling projects with public agencies. We as private Architects now have to certify if we have a financial relationship with a roofing manufacturer, supplier, or distributor. In my memory this was already covered by conflict of interest.

Additionally, it goes further by trying to codify the attitude that “a roof is a roof”. Obviously it’s a layman’s point of view of someone who has never had to maintain a roof for 20 years.

In the Public Contract Code:

- Anecdotal history (unconfirmed stories) on this statute is that there was a series of incidents involving bribery type kickbacks between a sales representative posing as an independent “roofing consultant” and a facility manager on actual sole bid projects. The result of this requires all parties involved in re-roofing projects to sign and submit disclosures stating any financial relationship between the Architect/Engineer, School District, Roof Consultant, and the roofing vendor prior to any contract.
- A reading of 3003(b) would appear to disallow using a manufacturer’s proprietary warranty alone as a reason to reject mixing manufacturer’s products. The implication being that roofing products are “interchangeable”. This opens the door to a manufacturer declaring a warranty invalid after the repair/re-roof. However, it does not state that lack of “proof of compatibility” must be overlooked.
- Personal comment: I would not consider a roofing contractor’s guarantee equal to a manufacturer’s warranty. In the long run it really will depend on the quality of the installation by the roofer.

**This is a partial copy of the statute. You can use the link to get the complete document.**

The complete language of the statute is linked below. On the state website you can obtain the complete history and approval process for each.

AB 635, Committee on Accountability and Administrative Review. Public contracts: roof projects.

http://leginfo.ca.gov/cgi-bin/waisgate?WAISdocID=444315529+9+0+0&WAISaction=retrieve...Public contracts: roof projects.

Existing law prohibits a state agency, political subdivision, municipal corporation, or district from drafting specifications for bids, in connection with the construction, alteration, or repair of public works, calling for a designated material, product, thing, or service by specific brand or trade name unless the specification is followed by the words “or equal” so that bidders may furnish any equal material, product, thing, or service.

This bill would provide that, for a project for the repair or replacement of a roof of a public school or community college, a material, product, thing, or service shall be considered equal if it meets specified requirements. The bill would require an architect, engineer, roofing consultant, and other specified persons or entities to complete and sign a certification related to financial relationships in connection with such a roof project and provide the certification to the school district or community college district.

**SECTION I. Article I (commencing with Section 3000) is added to Chapter 3 of Part 1 of Division 2 of the Public Contract Code, to read:**

Article I. Roofing Projects

3000. For purposes of this article, the following terms have the following meanings: "...

"...(e) "Roofing consultant" means a consultant who is registered by RCI (formerly Roof Consultants Institute)."

(f) "Roof project" means a project for the repair or replacement of a roof of a public facility, except that "roof project" does not include a project for the repair of 25 percent or less of the roof or a repair project that has a total cost of twenty-one thousand dollars ($21,000) or less.

(g) "Substitute" or "substitution" means a material, product, thing, or service proposed by a bidder to be an adequate substitute material, product, thing, or service that is equal to an item designated in specifications, pursuant to subdivision (b) of Section 3400 and subdivision (a) of Section 10129.

3002. (a) For purposes of subdivision (b) of Section 3400 and subdivision (a) of Section 10129, for any roof project, a material, product, thing, or service shall be considered equal if it meets all of the following requirements:

(1) The item is at least equal in quality, durability, design, and appearance but not necessarily of an identical color.
(2) The item will perform the intended function at least equally well.
(3) The item conforms substantially, even with deviations, to the detailed requirements contained in the specifications.

(b) A substitute may be unequal if the resulting roof system would be substantially different than other equal or better systems in terms of performance and durability, but not merely different by virtue of the inclusion of proprietary products or a proprietary warranty.
The American Institute of Steel Construction, (AISC), is an authoritative source for structural and architectural information related to steel construction. In addition to their excellent free monthly magazine, Modern Steel Construction, the AISC also hosts a website with extensive information on steel construction. Most of this is aimed at structural engineers but I recently came across two publications on the website that will be useful for architects and product reps. The first is on fire protection in buildings and the other is on seismic and earthquake design.

The AISC website can be found at, www.aisc.org. In Facts for Steel Buildings, located in the Free Pubs tab on the home page, you’ll find “Fire Facts” and “Earthquakes and Seismic Design” both which can be downloaded for free.

“Fire Facts” starts with a section on basic fire science. Here, the four stages of a typical fire and factors leading to “flashover” are described. Heat transfer and temperatures resulting from different building fire conditions are explained. The difference between standard test fires, (per ASTM E119, UL 263 & NFPA 251), and real fires is explained. (Test fires are hotter and burn longer than a typical building fire.) Active and passive fire protection systems, and their effectiveness, are presented.

The section on spray applied fire resistive materials, (SFRM), explains the differences in the two major types commonly used today. Intumescent coatings are also described. The weight and shape of the member being protected, (the W/D ratio), is the primary determinant of the SFRM thickness. The object of any SFRM is to keep the temperature of the steel below 1,300 F, the upper limit of steel’s elastic range. Since steel doesn’t begin to melt until it reaches a temperature of 2,700 F, there’s little likelihood of steel in a building fire actually melting since temperatures in typical building fires rarely exceed 1,500 F.

The development of fire codes by the NFPA and the IBC codes is described. The publication concludes with a statistical section showing that steel framed buildings perform well in fires. Examples cited include the 1988 First Interstate Bank Tower fire in Los Angeles and the 1991 Meridian Plaza fire in Philadelphia.

“Earthquake and Seismic Design” begins with an interesting history of steel framed buildings and their performance in earthquakes. Steel structures in the 1906 San Francisco earthquake performed well enough that of the 30 high rise structures in existence then, all survived the earthquake and subsequent fires, and 20 are still in use today. Structural codes evolved significantly in the 1970s with greater attention being paid to the affects of soil factors in design. Seismic design codes were also made more stringent by requiring structures to resist the 2500 year seismic event where previously the 500 year event was the standard. Redundancy in structural frames became an important factor and the critical importance of continuity in the structural load paths received increased attention.

Until the 1990s, steel frames were thought to be inherently ductile. The failure of numerous welded joints in both moment frames and braced frames in the 1994 Northridge earthquake lead to significant improvements in the building code provisions governing joint design.

The section on seismology discusses the causes of earthquakes, where they occur, the use of the Richter Scale for measuring earthquake magnitude, the Modified Mercalli Scale to measure intensity, and why structural engineers use ground acceleration, rather than either scale, in seismic design.

The section on earthquake engineering presents the reasoning behind each variable in the formula for calculating seismic loads and does so without extensive use of mathematical formula. Elastic and inelastic response, special and ordinary braced frames, moment frames, and buckling restrained braced frames are just some of the topics presented. Not enough detail here to actually do structural engineering but you’ll be able to better understand what the engineers are talking about.

“Earthquake and Seismic Design” was written for the AISC in 2009 by Ronald O. Hamburger, SE, of Simpson Gumpertz & Heger, Inc. It has 64 pages. “Fire Facts” was written in 2003 by Richard G. Gewain & Nestor R. Iwankiw of Hughes Associates, Inc., and Fraid Alfawakhiri of AISC. It has 51 pages. Each topic in both documents is presented in a question and answer format, which makes them useful as reference materials.
Design drives architecture because it sets the parameters, expression, flavor and style of the project.

BUT how do we successfully get from there to a truly realistic, sustainable and “correctly” constructed project? We will need new data and new techniques for construction? We need updates for specifications, etc. and not merely “cutesy”. Flashbang-done new software programming and presentation displays that serve a lot of glitz but little substance.

Are we getting better at solving construction problems and solutions? THAT, friends, is our primary question! That and the question of whether we or anyone else really cares!

What’s going on, to me, is a continual process of barely “adequate” design prowess festooned with some of the latest colors, motifs, design inspirations, fads and the newest of materials. Has light wood framing for homes, REALLY changed, for the better, with less cost and commensurate benefits? Are we doing things differently to benefit our work, our projects, and the overall construction community? Does sustainable and LEED have enough “kick” behind it to make a true factor and contribution? Is it value, overall, and beneficial to better construction, in a more timely manner and at lower costs? Is there a correlation between increased value and better construction, or do we do things the same way and just use a “recently developed cladding finish”?

Just seems we are doing so much—e.g., BIM, LEED, sustainable construction, new chemical solutions from slick finishes to tight joint sealants. But do these actions really impact the design and provide for bright new direction or adjournments on the “old way”? Of course, some projects are just “so wonderful” just because a small group of certain architects are involved (the “starchitects”).

So, are we all on the same line? Are we all seeking the same levels and goals of excellence, but via very different paths? Are all construction workers (including professionals) trained and educated to the same or similar standards (i.e., how not to build to the same standards, etc., but not creating an on-going situation with lots of paper devoted to rules, guidelines, directions, instructions, etc., but no truly coordinated effort to educate all personnel to the same technical standard for each job level)?

It may be that we simply have given up and subconsciously
Lessons for Life

Five (5) lessons about the way we treat people

I - First Important Lesson - Cleaning Lady.

During my second month of college, our professor gave us a pop quiz. I was a conscientious student and had breezed through the questions until I read the last one:

“What is the first name of the woman who cleans the school?”

Surely this was some kind of joke. I had seen the cleaning woman several times. She was tall, dark-haired and in her 50’s, but how would I know her name?

I handed in my paper, leaving the last question blank. Just before class ended, one student asked if the last question would count toward our quiz grade.

“Absolutely,” said the professor. “In your careers, you will meet many people. All are significant. They deserve your attention and care, even if all you do is smile and say “hello.”

I’ve never forgotten that lesson. I also learned her name was Dorothy.

2. - Second Important Lesson - Pickup in the Rain.

One night, at 11:30 p.m., an older African American woman was standing on the side of an Alabama highway trying to endure a lashing rain storm. Her car had broken down and she desperately needed a ride.

Soaking wet, she decided to flag down the next car. A young white man stopped to help her, generally unheard of in those conflict-filled 1960’s. The man took her to safety, helped her get assistance and put her into a taxicab.

She seemed to be in a big hurry, but wrote down his address and thanked him. Seven days went by and a knock came on the man’s door. To his surprise, a giant console color TV was delivered to his home. A special note was attached. It read:

“Thank you so much for assisting me on the highway the other night. The rain drenched not only my clothes, but also my spirits. Then you came along. Because of you, I was able to make it to my dying husband’s bedside just before he passed away. God Bless you for helping me and unselfishly serving others.”

Sincerely,

Mrs. Nat King Cole

3 - Third Important Lesson - Always remember those Who serve.

In the days when an ice cream sundae cost much less, a 10-year-old boy entered a hotel coffee shop and sat at a table. A waitress put a glass of water in front of him.

“How much is an ice cream sundae?” he asked.

“Fifty cents,” replied the waitress.

The little boy counted his coins. “I’ll have the plain ice cream,” he said.

The waitress brought the ice cream, put the bill on the table and walked away. The boy finished the ice cream, paid the cashier (continued on page 15)
to read. Snap out of it! If you are of a certain age or just open to the suggestion, you may want to provide autobiographical information about yourself and instructions about how to honor you when you pass away. Many of you may have already considered this or may have acted upon this. None of us really want to make these considerations. This IS tough. Some people never want to make out a will because they think they will die the next day. Get real! None of us are leaving this planet alive unless you are an astronaut. We all are going to die one of these days. This is hard to accept, but true.

Due to my ethnic background, I may have a more “open” viewpoint about this subject. Russians honor the dead big time. It is a must to attend the funeral of a relative or distant acquaintance. Everyone shows up. I believe that this is a proper send off for our loved ones and friends. Do you want to “lighten up” on the subject of death? Read one of my favorite hilarious books: Being Dead Is No Excuse - The Official Southern Ladies Guide to Hosting The Perfect Funeral written by two Southern belles, Gayden Metcalfe and Charlotte Hays.

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Annette Wren is a Business Management Consultant assisting privately held companies.

WOLFE’S HOWL
(continued from page 5)

I then went to my secret source of information, the CSI member database. Ta-da! I found the name of a person who was a vice president of the parent company. I called and got a message saying that person was out of the office. Transferring to the operator, I again found myself talking to the person I had talked with a just a few minutes before. I’m sure she wasn’t pleased that I was still trying to burrow into the company, but I wasn’t pleased by the run-around.

A short time later, I got a call from the rep for product A. When I told him about the substitution request, and the claim that A and B were the same, he expressed frustration. He made comments to the effect that he had run into this problem before, that A and B were not the same, and that there was some confusion at the corporate level that led to the problem. He said that he would look into it and get back to me.

I then got another call, which I assumed would be from the VP of the parent company. However, instead of returning my call, the VP had passed my request off to a head of the product B company, so I was unable to talk with someone who could speak for both companies.

“Mr. B, I have been told that your product B is identical to product A. Is that true?”

“They’re not really identical. They do use the same material, have the same properties, and use the same MSDS, but the pigment and the name are different.”

“So they’re really the same?” Although Mr. B never came right out and said so, everything he said indicated that A and B are the same. He then spent some time explaining the distribution systems used by the two companies. One is sold direct to installers, while the other is sold through distributors. Furthermore, an installer of A is not allowed to purchase B, and vice versa.

"What I’m concerned about is that we’ve been specifying A for many years, and now it appears that your company is selling the same thing under a different name at a lower price. In other words, our clients may have been paying more than they had to. Is there a difference in the quality of installers?"

"No. We do have factory training, but we do not certify installers."

Giving up the battle, I asked if we could get a list showing all of the products of both companies, indicating which are the same. I’m certain someone knows this information, but I was told such a list is not available.

When I got back to my computer, I discovered an e-mail from the product A rep. He told me the proposed substitution wasn’t
(continued on page 15)
 available any longer, and had been replaced by another product. Mr. B said that was essentially correct - but the new product is really the same thing with a different name.

OK, maybe there is good reason to have two distribution systems for a single product, but why not just sell the same product and avoid the confusion? Is there a point to this shell game? Could it be nothing more than a way to get around public bidding requirements? Whatever the reason, it doesn’t really matter. Apparently, we have two product representatives selling many of the same products under different names, competing with each other, and, understandably, not too interested in talking about the competing company’s products.

Design professionals need straight answers, and episodes like this can quickly destroy a company’s credibility.

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**WOLFE’S HOWL**

(continued from page 14)

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**PER-SPEC-TIVES**

(continued from page 12)

decided to go forth and not solve basic problems. No one wants to claim responsibility for the gaps; no one wants, or knows, how to really solve problems by bringing good heads together. They "don't care" "don't have to". Odd that an important profession is allowed to continue as is and with recognition that beneficial fundamentals are not taught, instilled and emphasized early on in a discipline manner-- we all want to be different.

Just don’t understand the lack of will to even talk about this, and to take some minimal action to rectify it.

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**LESSONS FOR LIFE**

(continued from page 13)

and left. When the waitress came back, she began to cry as she wiped down the table. There, placed neatly beside the empty dish, were two nickels and five pennies. You see, he couldn’t have the sundae, because he had to have enough left to leave her a tip.

4 - Fourth Important Lesson. - The obstacle in Our Path.

In ancient times, a King had a boulder placed on a roadway. Then he hid himself and watched to see if anyone would remove the huge rock. Some of the King’s wealthiest merchants and courtiers came by and simply walked around it. Many loudly blamed the King for not keeping the roads clear, but none did anything about getting the stone out of the way.

Then a peasant came along carrying a load of vegetables. Upon approaching the boulder, the peasant laid down his burden and tried to move the stone to the side of the road. After much pushing and straining, he finally succeeded. After the peasant picked up his load of vegetables, he noticed a purse lying in the road where the boulder had been. The purse contained many gold coins and a note from the King indicating that the gold was for the person who removed the boulder from the roadway. The peasant learned what many of us never understand!

Every obstacle presents an opportunity to improve our condition.

5 - Fifth Important Lesson - Giving When it Counts.

Many years ago, when I worked as a volunteer at a hospital, I got to know a little girl named Liz who was suffering from a rare & serious disease. Her only chance of recovery appeared to be a blood transfusion from her 5-year old brother, who had miraculously survived the same disease and had developed the antibodies needed to combat the illness. The doctor explained the situation to her little brother, and asked the little boy if he would be willing to give his blood to his sister.

I saw him hesitate for only a moment before taking a deep breath and saying, “Yes I’ll do it if it will save her.” As the transfusion progressed, he lay in bed next to his sister and smiled, as we all did, seeing the color returning to her cheek. Then his face grew pale and his smile faded.

He looked up at the doctor and asked with a trembling voice, "Will I start to die right away". Being young, the little boy had misunderstood the doctor; he thought he was going to have to give his sister all of his blood in order to save her.

Most importantly
"Live with no regrets,
Treat people the way you want to be treated,
Work like you don’t need the money,
Love like you’ve never been hurt,
and Dance like you do when nobody’s watching."

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**TIPS FROM A PRO**

(continued from page 10)

3004. Specifications for any roof project shall be designed to promote competition.

3006. (a) (1) An architect, engineer, or roofing consultant who provides professional services related to a roof project shall disclose any financial relationships by completing and signing the certification set forth in subdivision (b) prior to the time professional services are engaged. A materials manufacturer, contractor, or vendor involved in a bid or proposal for a roof project shall disclose any financial relationships by completing and signing the certification set forth in subdivision (b) when the award is made. The architect, engineer, roofing consultant, materials manufacturer, contractor, or vendor shall provide the certification to the district. ..."

Richard Gonser, AIA CSI CCCA SCIP LEED is an independent Consulting Architect and Specification Writer in Southern California. He can be reached at SpecStudio@verizon.net. If you would like a copy of this article with active web links, please send me a request by email.

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**CPSE 2010 EXHIBITORS**

(continued from page 8)

time, labor, materials, and valuable floorspace. The only fire-rated Type X acoustical drywall using EZ-SNAP technology, QuietRock is four times easier to score and snap than any other acoustic drywall and delivers acoustical ratings of up to STC 60. For complete architectural documentation, visit www.quietrock.com. Contact: Anya Sloutsky, LEED AP; www.SeriousMaterials.com; 408-541-8044 office; documentation, visit www.quietrock.com. Contact: Anya Sloutsky, LEED AP; www.SeriousMaterials.com; 408-541-8044 office; asloutsky@seriousmaterials.com.

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OCCCSI Newsletter,   May/June 2011  15
# Meeting Schedule and Information

Make reservations by the Friday preceding the meeting.
Call the Chapter Hotline at (714) 434-9909

## Upcoming Meetings:

<table>
<thead>
<tr>
<th>May 1</th>
<th>Flyer Deadline</th>
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<tr>
<td>May 10</td>
<td>OCCSCI Board Meeting (4:30 p.m.)&lt;br&gt;Thompson’s Design Center&lt;br&gt;1716 Case Road&lt;br&gt;Orange, California</td>
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<tr>
<td>May 10</td>
<td>OCCSCI Meeting (5:45 p.m.)&lt;br&gt;Phoenix Club&lt;br&gt;1340 S. Sanderson Avenue&lt;br&gt;Anaheim, California</td>
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<tr>
<td>June 1</td>
<td>Newsletter Deadline</td>
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<tr>
<td>June 7</td>
<td>OCCSCI Board Meeting (5:30 p.m.)&lt;br&gt;Thompson’s Design Center&lt;br&gt;1716 Case Road&lt;br&gt;Orange, California</td>
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<tr>
<td>June 14</td>
<td>Installation &amp; Awards Dinner (6:00 p.m.)&lt;br&gt;Summit House&lt;br&gt;2000 E. Bastanchury Road&lt;br&gt;Fullerton, California</td>
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