Program Information
Tuesday, March 17, 2020

Orange County CSI Chapter
March Meeting

Program: Annual Joint Meeting with WWCCA & OCCCSI
How to Cultivate Your Apprentices into Complete Journeymen

Guest Speakers:  Bardo Ponce - Swinerton
Matt Dobkins - Standard Drywall
Tony Perri - Standard Drywall
John Nesse - General Counsel SWACCA

We will join the Western Walls & Ceiling Contractors Association for our March Meeting. The meeting schedule will honor their meeting style and location. The meeting begins at 3:00 p.m. and ends with a very generous raffle.

This program features field leaders talking about how they are successfully working to form their apprentices into professional journeymen. Hear the easy steps and programs they have instituted to nurture the apprentices into the next generation of well-rounded professionals, turning labor costs into labor profits. In addition, there will be an update on the Signatory Wall and Ceiling Alliance.

Join us for green beers with your peers!

Time:  
3:00 PM  Registration & Cocktails & Appetizers
4:00 PM  Program
5:00 PM  Raffle Prizes

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

Parking:  
Plenty of free parking

Cost:  
Free for OCCCSI & WWCCA members only with reservations.

Reservations required by March 13, 2020. MAKE YOUR RESERVATIONS TODAY.
CALL: 714.221.5520. EMAIL: reko@wwcca.org OR GO ONLINE: www.WWCCA.org
OCCCSSI CREDIT CARD USE POLICY

The OCCCSSI Board of Directors has a fiduciary responsibility to all of its members. Those members and others who choose to purchase events or opportunities by check or cash will receive a discount. Discounted prices will appear in the newsletter and PDF announcements via emails. Those who choose to use their credit cards will be able to purchase at the price printed on our website, occcsi.org. Credit card transactions must be made by the printed deadline in the newsletter or in person at monthly meeting events. Credit card purchase for CPSE trade show registration and exhibit space will NOT be accepted the day of the trade show. This policy is effective on April 8, 2014 by Board approval.

Key aspects of our privacy policy for credit card transactions include:

• We never sell, share, trade, or disclose any of your personal information.

• We use a credit card processing company to bill users for events and opportunities. Our credit card processing company is not authorized to retain, share, store, or use your personal information.

• We require the entry of only enough information about you to process your transaction.

See our website, occcsi.org, for further disclaimer information.

OCCCSSI Newsletter, March/April 2020
Dear Fellow OCCCSI Members,

We began 2020 with a bang at our joint meeting with the Los Angeles CSI Chapter. Steve Chung, from Johnson Fain Architects, conducted a very interesting presentation on how the iconic Crystal Cathedral was transformed into the beautiful Christ Cathedral, the new spiritual home for the Diocese of Orange. We had a fantastic tour of the facility and an equally fantastic dinner, catered by an Orange County favorite - the Anaheim White House and Executive Chef Laurent Brazier.

In February, we held our newly formatted Products Show at the Chuck Jones Event Center in Costa Mesa. Last year, we were fortunate to have a record turn-out (for a first attempt), and this year we were able to surpass that number. Those of you who were there know what I mean when I say that it was an unbelievable night. We enjoyed a fantastic meal, a record number of new exhibitors and lots of first-time attendees. The crowning jewel of the evening was our featured speaker - world renowned and AIA Gold Medal winner, Antoine Predock. He had everyone on the edge of their seats, listening to every word he said. Nobody wanted to leave the presentation. In fact, Mr. Predock was one of the last individuals to leave the venue.

The highest level of thank you to our OCCCSI committee, the Chuck Jones Event Center, the caterer and all the exhibitors and attendees for making this year’s Product Show truly the “Greatest Show in Orange County. We are already having companies and attendees making sure they are reserved on the list for next year’s event.

Looking into the future, and related to our future monthly meetings, on March 17th, St. Patrick’s Day, our annual joint meeting with the WWCCA will feature several speakers who will tell us how to “cultivate our apprentices into becoming complete journeymen”. We have two additional membership meetings scheduled for April and May, with speakers yet to be determined. Our annual Installation/Awards Banquet is scheduled on June 9th, 2020. You won’t want to miss it!!

As you can see, we have a great line-up of speakers and events already planned for the fiscal year of 2020. More information on these upcoming events will be posted in future newsletters.

We want you to come to the Chapter meetings and get involved with the many committees we have organized to help make your Chapter beneficial to you. These chapter meetings and events are just not the same without our members in attendance. This is your Chapter, you need to support it!!

Hope to see you in March, and don’t forget to “…be wearin’ The Green!!”

Best regards,
Dave
What made our February 25th OCCC SI Trade Show such a success? The event was definitely one of our most enjoyed and successful trade shows. Was it the venue? Was it the speaker? Was it the attendees? Was it the exhibitors? Or, was it the OCCC SI Trade Show Committee? All of the Above!

Our trade show at the Chuck Jones Center for Creativity in Costa Mesa, California was a splendid affair! Attendees were entertained by the wonderful artwork by Chuck Jones. In addition, the attendees had plenty of time to visit with exhibitors before our keynote presentation and dinner. The Chuck Jones Center for Creativity was a user-friendly venue. Just park your vehicle and walk right in.

Our speaker, Antoine Predock, was fantastic! What a character! Antoine presented visual and verbal tributes to his body of work. Along the way, his "editorial" comments were priceless regarding difficulties with particular geographic locations and choices of projects. His diverse body of work was amazing. Antoine shared information "from the trenches" and his observations of completed projects. San Diego's Petco Park was designed with gardens and green space for family enjoyment within the park. And, I will always call Petco Park, "Tecate Gardens". That was his chosen name for the project! Antoine was one of the last persons to leave at the end of the evening. He visited with each and every person who approached him. It was definitely a night to remember with Antoine Predock.

As an exhibitor, I appreciated the process of inviting design professional guests to sit at my table for dinner. Each exhibitor was challenged to do the same. This process brought decision-makers to our trade show. These attendees were interested and engaged in visiting with exhibitors before dinner. Most of the guests arrived with plenty of time to make their way around the room. It is very important for exhibitors to cost justify the experience of a trade show. This trade show was filled with informed and intelligent exhibitors. The venue was bustling with energy from the beginning to the end!

Our OCCC SI Trade Show Committee did a phenomenal job! Dana Thornburg was in charge of the venue and food arrangements. This was one of her highlights in the "meeting planning business". Bryan Stanley "hunted potential exhibitors down" for the trade show and prepared all of the name badges. At the venue, Brady Gample helped out with final name tags. Dave Brown helped with recruiting exhibitors and arrangements at the venue. Gary Kehrier took time from his new career to register arriving attendees. Joe Esquer and Sean
The structural steel framing was completed at the rate of a floor every day. And the 2.1 million sq. ft., 1,252 ft. tall high-rise was fully enclosed in less than one year after the start of construction. How this was accomplished is the story told in Building the Empire State by Carol Willis. The construction statistics are simply astounding. How could this have been possible in the middle of New York City; the world’s tallest building designed, with all the materials procured, and constructed in less than a total of 21 months? The contractor’s meticulously prepared daily reports, which are the basis for this book, provide the answers.

New York City in the 1920s was a hotbed of office construction with office space doubling in floor area between 1923 and 1929. At the time, there were 50 buildings at least 35 stories tall. Between 1929 and 1931 there were ten buildings 70 or more stories in height, completed or under construction, including the Chrysler Building and the Empire State Building. It was in this environment that the design and construction team for the Empire State was assembled. The general contractor was Starrett Brothers & Eken, with architects Shreve, Lamb & Harmon. The need for speed and coordination of all the design, procurement, and construction activities led this to be one of the first projects where the general contractor scheduled, coordinated, financed the project, and contracted with most of the subcontractors. The GC was in control of everything.

The building’s developers were driven to construct the tallest building in the world. (It would remain the tallest building until the World Trade Center Towers were built in 1970.) This aim had to be balanced against both the amount of rental income expected and the cost of construction since, as a building gets taller, its construction cost per sq. ft. also rises. Another consideration was elevator design. With the elevator equipment available then, 80 floors was the maximum that could be served in a single elevator shaft.

The principal developers for the Empire State, Pierre S. DuPont and John Jacob Raskob, were both millionaires but not real estate men. They wanted to beat the height of the Chrysler Building then under construction in New York City at a height of 1,046 feet. And they wanted to do it quickly. Using real estate industry rules-of-thumb, the construction budget, height, and the size of the building were all established prior to selecting the project team. The completion date was set as May 1, 1931, less than two years away. The agreements with the architect and the general contractor were signed in September of 1929. Demolition work on the old Waldorf Astoria Hotel that occupied the site, began two days after the GC’s contract was signed. By early the next month, October 3, 1929, the 17th version of the architect’s design, “Scheme K” was selected (continued on page 17)
MEMBERSHIP REPORT

By Joe Esquer, CSI
Membership Chairman

THANK YOU FOR JOINING & RENEWING!

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<th>New Members:</th>
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<td>Laura Avina</td>
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Orange County Chapter of the Construction Specifications Institute Products Show 2020

Tuesday, February 25, 2020

The Orange County Chapter of the Construction Specifications Institute wishes to thank the following exhibitors:

**Major Sponsors:**

**Behr Paint**

**TUFFLEX Polymers**

**Exhibitors:**

Angelus Block Co. Inc.  
Boral  
CEMCO  
Dunn Edwards Paint  
FiberTite Roofing Systems/Seamon  
Flexco Floors  
North Clad  
Omega Products International Corporation  
Partition Specialties, Inc.  
Pella Windows and Doors  
Polycoat Products  
PPG Paints  
Regupol America  
Schluter Systems  
Sherwin-Williams Company  
Siena Tile & Stone Installation Products  
Stego Industries LLC  
Structawire/Quikrete  
Tnemec – TPC Consultants, Inc.  
Total Door Systems  
Vista Paint Corporation  
Western Wall & Ceilings Contractors Association  
W. R. Meadows of Southern California
2020 OCCCSI Product Show
Keynote Speaker: Antoine Predock

Antoine Predock with friends.

Antoine Predock & Trevor Resurreccion.
2020 OCCCSI Product Show

Jonathan Juarez & Joe Esquer of Behr Paint.

Brent Clute of TUFFLEX Polymers.

Stuart Fricke (Port of Los Angeles) & Tom Stewart (Behr Paint).

Eric Stovner (Critical Structures) & Dana Thornburg (Omega Products).

Tim Meeks of North Clad.

Chris Hille of Tnemec.
2020 OCCCSI Product Show

Douglas Pancake AIA with Jeff Nowell & Donavan Kosman of Pella.

Mark Brower & Racquel McGee (Vista Paint) with Steve Yagade (Specifier).

Mary Yokum (Schluter) with Rich Matteo (Westburg White).

Tom Divelbiss (Siena) with Greg Farinsky (Specifier).

Steve Hutson (TCA) with Roger Smith (WR Meadows) & Dan Schmid (TCA).

Melissa Zepeda of Boral.

Josh Vasquez (KTGY), Gary Deter (Total Door Systems) & Paras Nanavati (PNC Studios).

Johnnie Marino of Angelus.
2020 OCCCSI Product Show

Bryan Stanley & Brady Gamble of Technical Services Information Service.

Lola Wilson (Structawire) & Victor Cronkite (Quikrete).

Trenton Inoue (KTGY) & Dayne Dietrich (Stego).

Jeff Downey of Partition Specialties, Inc.

Baron Hodo & Rocky Berlanga of Sherwin Williams.

Ron Kelly & Anthony Perez (Polycoat).
2020 OCCCSI Product Show

Wes Westmoreland & Kim Grosch of CEMCO

Kim Hampton of Dunn Edwards Paints.

Sean Connolly (Walker Consultants) & Susan Giampietro (PPG Paints).

Steven Weisenberg of Regupol.

Anne Murrell (Flexco Floors) & Jim Killeen (TriWest)
Antoine Predock's Body of Work
Antoine Predock's Body of Work
Jeff Nowell
Commercial Sales Consultant
Pella Windows and Doors
Hawaii – Southern California
3350 East Birch Street Suite 200
Brea, CA 92821
562-217-8240
Connolly assisted with exhibitors and hospitality. Roger Smith helped with recruiting exhibitors and fielding requests. Trevor Resurreccion was our recruiter for Antoine Predock and his chauffer. As Chairman, I GIVE A BIG THANX TO ALL!

We have already many thank you messages and exhibitor "reservations" for 2021! Stay tuned for more information to come on 2021. Take a look at all the great photos in this newsletter of 2020!

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Buch Notes
(continued from page 5)

showing 80 occupied floors with a flat roof, but without the top six floors, 81 – 86, and the 200 ft. tall tower with the mooring mast for dirigibles. These were added several months later.

By November 1929, all key design decisions had been made. The mill order for 57,480 tons of structural steel was placed Jan. 2, 1930. The first steel column was set on April 7, 1930 and all steel erection was completed six months later. The building was fully enclosed by March of 1931 and the building, including the additional six floor and the mooring mast, was opened on May 1, 1931, 200 ft. higher than the Chrysler Building. The total construction cost was $25 Million.

There was nothing unique in the construction of the Empire State Building, it had all been done before on previous projects by both the architects and the contractor. There was just more to be constructed at the Empire State and they had less time to build it. Their success resulted from the contractor’s skill in scheduling and in the innovative methods developed on-site for organizing the workers and handling the materials for construction. At the peak of activity in 1930, the work of over 3,400 tradesmen had to be planned and coordinated during their five-day work weeks. This included moving them to and from their work locations and setting up three cafeterias in the building to serve them lunch every day.

Construction was planned as an assembly line where the goal was as much repetition as possible. To reduce the number of times construction materials were handled, openings through each floor were left to facilitate unloading trucks that were driven on to the building's ground floor. Materials were hoisted directly from each truck up to the floor where work was underway. During peak times up to 500 trucks a day entered the building on a precise schedule to unload. After materials had been hoisted to a floor they were then moved across the floor to the work location by hand-carts on 24" gauge industrial railways. The railways were relocated upwards in the building as construction progressed.

To illustrate the coordination between the architect, subcontractors, and the material suppliers, the design of the exterior skin serves as a good example. In addition to the architect's design objectives, the facade design was driven by the need for speedy construction. The skin was composed of stainless steel mullions, aluminum plate spandrel panels, and limestone faced piers with brick backup between the double-hung windows. After discussions with the manufacturers and subcontractors a design evolved that was based on standardized shapes and sizes that could be manufactured in time to meet the installation schedule on site and detailed to speed construction. It allowed most work to be done from inside the building.

(continued on page 19)
The Los Angeles Chapter of CSI
In cooperation with the Orange County and Inland Empire CSI Chapters present:

STUCCO 101: What the Experts Say
For Architects and Specifiers

Date: Saturday, March 28, 2020

Location: Technical Services Information Bureau, (TSIB), 1921 N. Lime St., Orange CA 92865
Free parking available at the venue

Schedule: 8:30 a.m. - Sign In, Coffee & Bagels
9:00 a.m. to 1:00 p.m.–Presentations. This workshop will offer 3.5 AIA LUs.

This half-day event will include presentations on the most important aspects of stucco details and specifications. From framing and lath, to stucco mixes, to selection and detailing of stucco trim and accessories, we’ll cover the basics for a durable, leak-free, and good-looking stucco projects.

9:00 to 10:30 am: Bryan Stanley, TSIB. Topics presented:

1. Expanded metal lath and welded wire lath on stud framing and self-furring lath for use on masonry.
2. Stucco accessories for crack control and decorative use.
3. Stucco mix designs including mixes with integral color.
4. Energy conservation in stucco cladding

10:45 to 11:45 am: Albert Carrillo, CEO of the Western Walls & Ceiling Contractors Association, will describe the results of their research on stucco cracking related to metal lath running continuously behind crack control joints.

Noon to 1:00 pm: Rick Mosco, AIA, Associate Principal of Wiss Janney Elstner Associates, will present a case study project illustrating the water intrusion problems resulting from the incorrect installation of stucco accessories on buildings having unique geometry.

Cost to Attend: CSI and AIA members: $35. Students, with current valid ID, FREE. All others: $50.

To register, use this link to the LACSI Website: www.laci.org.

Sponsors: Structa Wire, Lola Wilson, CSI, CDT
CEMCO, Kim Groesch, CSI
Parex, La Habra, Merlex, Bret Bastain, CSI CDT

Omega Products, Dana Thornburg, CSI, CDT
Stockton Products, Erik Rudrud
ClarkDietrich, John Maxim
BUCH NOTES  
(continued from page 17)

The construction was completed on schedule and on budget thus serving as a testament to the construction management skills of Starrett Brothers & Eken and the teamwork of everyone involved.

Unlike most books on architectural projects, Building the Empire State describes in great detail nearly all the steps necessary to bring the architect’s design to life. The most glaring omission is mention of any plan check reviews required by the City of New York that must have taken place prior to issuing the building permits. The 190 page book includes two essays on the project along with 77 type written pages prepared during construction by the general contractor. Original architectural drawings and photographs taken during construction are also included along with 14 pages of construction cost breakdowns. The book was published in 1998 by W.W. Norton & Company in association with the Skyscraper Museum. The book is a fine complement to another book describing more generally the design and construction of both the Empire State Building and the Chrysler Building. “Higher, A Historic Race to the Sky and the Making of a City”, by Neal Bascomb, was published in 2003 by Doubleday and was the subject of BuchNotes #1 in April 2004.
MEETING SCHEDULE AND INFORMATION

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

UPCOMING MEETINGS:

March 10 OCCCSI Board Meeting (5:30 p.m.)
Thompson’s Design Center
1716 Case Road
Orange, California

March 17 WWCCS/OCCCSI Joint Meeting
Phoenix Club
1340 S. Sanderson Avenue
Anaheim, California

April 14 OCCCSI Board Meeting
Phoenix Club
1340 S. Sanderson Avenue
Anaheim, California

April 14 OCCCSI Membership Meeting
Phoenix Club
1340 S. Sanderson Avenue
Anaheim, California