



Construction Disasters

(and how to avoid them)

4 AIA CES/HSW LUs

Presented by East Bay / Oakland Chapter CSI / Co-Sponsored by AIA East Bay

Friday, April 22nd, 2016 – 7:30am to 12:30pm
AIA East Bay, 1405 Clay St. Oakland, CA 94612

AIA East Bay



A Chapter of The American Institute of Architects

David Field, AIA – Richard Avelar & Associates

Waterproofing for Success- Principles to Reduce System Failures

David Field, AIA will discuss various strategies the design professional can use to ensure a successful installation of waterproofing systems. Based on David's experience performing many peer reviews, David will illustrate situations where if the designer would have taken a different path the project would have been successful.

David Field, AIA received his Bachelor of Arts from the University of California, Berkeley in 1995 and received his Master of Architecture from the University of Colorado at Denver in 1998. In 2000, David began working at Richard Avelar & Associates where he performed litigation support duties, including site observations and code compliance analysis. He obtained his Architect's license in 2004. He now performs forensic investigation and expert witness service, including building performance and code compliance review, repair specifications and contract administration.

Christine Diosdado- Simpson Gumpertz & Heger

Stucco Buckets- A Common Cause of Wood Decay in Stucco Construction

Christine Diosdado will speak on stucco construction, the lack of adequate weeping provisions at soffit returns, window heads and beams that often times result in water accumulation within the stucco assembly. The wetting of stucco clad wood components over prolonged periods may cause deterioration of the underlying water-resistant barrier (WRB), wood decay and an ultimate reduction in the structural integrity of the wood components. This presentation will define this problematic condition and describes the current code requirements for weeping and venting of stucco-clad assemblies. Ms. Diosdado will outline best practices for design and repair.

Christine Diosdado, P.E., Senior Project Manager has over 20 years of experience as a lead investigator, project manager and expert witness on complex, construction defect cases. Her investigation experience encompasses a variety of building types, including high-rise, residential, institutional, commercial and medical buildings.

Chris Nelson – Technical Roof Services

Plaza Deck Waterproofing Disasters- Learning effective design and application from waterproofing disasters

Chris Nelson's presentation will focus on pros and cons of different membranes; selecting the appropriate membrane, base flashing heights and door thresholds; drains not draining the waterproofing; and the importance of water testing.

Chris Nelson is a Senior Consultant at Technical Roof Services with over 38 years' experience as a contractor and consultant installing flashings, investigating leaks, devising ways to successfully renovate plaza decks, below grade waterproofing, steep and low sloped roofs as well as wall cladding, windows, and doors. He has served as an expert witness regarding roof and waterproofing systems. Mr. Nelson is a former president of the Western Construction Consultants Association and has presented numerous symposia locally and around the country on a variety of roofing and waterproofing topics.

Karim Allana – Allana Buick & Bers

Vinyl and Aluminum Window Performance

Karim Allana will contrast the differences in installation and operation costs, thermal performance, structural integrity, product warranties and design aesthetic between Vinyl and Aluminum, and how they affect system selection and performance. Vinyl and Aluminum fin style Windows are the two most prevalent window assemblies, predominately used in Multifamily residential construction. Participants will gain an understanding of failure issues in relation to how both window assemblies are manufactured and sealed; how their drainage paths work; and how they are integrated into the exterior wall systems. We will explore the impact of performance class on window selection and how elements like building height, temperature and UV exposure, proper maintenance, and conscientious design decisions can impact lifecycle performance. We will review forensic analyses of both vinyl and aluminum windows and provide insight into mitigating performance issues and optimizing operational costs.

Karim Allana is the CEO and Senior Principal of Allana Buick & Bers, Inc., a leading Architectural and Engineering firm specializing in the Building Envelope and Sustainable Construction for new and rehabilitation projects. Karim earned a B.S. in civil Engineering from Santa Clara University. He is a Registered Roof Consultant (RRC) and Registered Waterproofing Consultant (RWC).

PROGRAM OVERVIEW

CONSTRUCTION DISASTERS (and how to avoid them)

Four presentations on how to avoid construction disasters - Case studies of what went wrong, why it went wrong and how to make sure it doesn't go wrong again

Please join us **Friday, April 22nd, 2016** at
AIA East Bay, 1405 Clay Street, Oakland 94612

ENROLLMENT INFORMATION

1. Full enrollment must accompany application.
2. Please complete a separate registration form for each applicant.
3. Registration **deadline** is **April 13th, 2016**. Acceptance of registrations received after this date are subject to availability.
4. East Bay Oakland CSI reserves the right to cancel courses and return fees.
5. Questions call AIA East Bay: 510/464-3600

REGISTRATION FORM

PLEASE REGISTER ONLINE at
www.aiaeb.org or call 510/464-3600

Registration Fee **\$95**,
incl. continental breakfast

Or, mail your check for payment with this form;

Name: _____

Company: _____

Address: _____

City: _____ Zip Code: _____

Telephone: _____

Email: _____

CSI Member Number: _____

AIA Member Number: _____

Check enclosed payable to EBO / CSI

All Payments must be received by Wednesday, April 13, 2016

Mail registration form with check to: AIA East Bay, 1405 Clay Street, Oakland, CA 94612

To withdraw registration and receive full refund call or email AIA by April 20, 2016 at (510) 464-3600 or info@aiaeb.org.

Attention Manufacturers Representatives!
Table Top Opportunities Available (\$250)
contact;

Jerry Veiluva , CSI

(510) 428-2491

jerry@hayashida-architects.com

SCHEDULE OF EVENTS 7:00 AM TO 12:30 PM

7:30 AM – 8:00 AM: **Registration / Continental Breakfast / Table Top Presentations**

8:00AM - 9:00 AM: David Field, AIA- Richard Avelar & Associates - **Waterproofing for Success**

9:00 AM – 10:00 AM: Christine Diasdado- SGH - **Stucco Buckets**

10:00 AM- 10:30 AM: Break/ Table Top Presentations

10:30 AM -11:30 AM: Chris Nelson- TRS - **Plaza Deck Waterproofing Disasters**

11:30 AM -12:30 PM: Karim Allana- ABB - **Vinyl and Aluminum Window Performance**

AIA EAST BAY

Office Location:

AIA East Bay
1405 Clay Street
Oakland, CA 94612-1401

www.aiaeb.org

info@aiaeb.org

510/464-3600

We're in downtown Oakland at the NW Corner of 14th and Clay Streets.

Taking BART? Exit at the 12th Street/City Center Station. Parking garages are nearby on Clay Street between 14th and 16th, as well as on 14th Street between Clay and Broadway.

CSI EAST BAY / OAKLAND CHAPTER

The Construction Specification Institute is a national organization of Architects, Engineers, Specifiers and Manufacturer's Representatives dedicated to the advancement of building information management and education of project teams.

CSI's East Bay / Oakland Chapter was established in 1967 and holds its meetings on the third Tuesday of each month at Scott's Seafood Grill & Bar, Jack London Square, Oakland. We urge you to consider joining us for the interesting programs, education activities and good fellowship of your colleagues.

For more information call Dan Galvez, President, at (510) 486-6213 or email dcalvarez@lbl.gov or visit the East Bay / Oakland website at <http://eastbay.csinet.org/>