

# WHAT EVERY ARCHITECT AND SPECIFIER NEEDS TO KNOW

## WATERPROOFING, CRACK ISOLATION, AND PERMEATION IN DIVISION 9 APPLICATIONS

### COURSES AVAILABLE IN-PERSON OR LIVE WEBINAR

#### Hit the Deck! - **NEW!**

Solution Paths to Successful Exterior Deck Installations

#### Foam & Function - **NEW!**

How Foam Has Changed Architecture

#### When the Walls Close In - **NEW!**

The Fundamentals of Wet-Area Waterproofing

#### How to Use the Tools in Your Tool Box - **NEW!**

An Overview of the TCNA Handbook

#### Sound Advice

The Role of Sound Isolation in Ceramic Tile and Natural Stone Installations

#### It's All Downhill...

The Evolution of Slope-to-Drain Shower Pans

#### Up Against the Wall

Best Practices When Installing Ceramic Tile and Natural Stone Over Interior Wall/Vertical Surfaces

#### Going Curbless

Overview of the Growing Demand for Curbless Showers

#### Do I Really Have to Do That? ... On My Tile & Stone Installations

A Collection of Tile Industry Myths, Urban Legends, Misconceptions, and Misunderstandings

#### Permeation and Crack Isolation

What Every Architect, Specifier, and Contractor Needs to Know

#### The 7 Deadly Sins of Waterproofing

What They Are and How to Avoid Them

#### Why Did the Waterproofing Fail?

And How to Make Sure it Does Not Happen to You

#### Going Linear

Linear Shower Drain Trends

#### It's Not All It's Cracked Up to Be

Highlighting Crack Isolation Solutions

#### What Lies Beneath...

A Discussion of Underlayments

**Free On-Demand:** View a previously recorded webinar and take our 10-question Quiz for AIA credit.

**For full course descriptions and more information, visit <http://noblecompany.com/education> or call us at (800) 878-5788.**

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### WHAT YOU WILL LEARN



Our 1-hour CES HSW approved courses focus on installation methods and interior waterproofing systems that comply with industry guidelines and prevent failures. Examine moisture/vapor transmission and crack isolation, as well as ancillary design elements that contribute to the success of your waterproofing detail. The real-world examples presented are timely, practical, and enable you to effectively implement the knowledge gained.



## Dean Moilanen

*AIA Allied Member - Las Vegas,  
CSI, CTEF, IIBEC, NTCA Ambassador,  
Certified Forensics Stone & Tile Inspector*

**Director of Architectural  
Services, Noble Company**

Dean is a Division 9 specialist of waterproofing, crack isolation, and permeation. He regularly advises on some of the most demanding and prestigious projects in the United States. As a 35-year veteran of the tile industry, Dean's relationships with architects, builders, and owners allow him access to some of the most challenging and compelling design issues in the industry. Dean's extensive career on job sites gives him a real-world perspective as he has seen first-hand waterproofing success and failure relating to product selection, installation issues, and sequencing challenges.

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## James Medina

*AIA Allied Member - Las Vegas & Cleveland,  
CSI, CTEF, IIBEC, Certified Forensics  
Stone & Tile Inspector*

**Director of Architectural  
Services, Noble Company**

James' background in construction stems from over 30 years in the industry. He started out as a contractor and worked with general contractors as a Project Coordinator and Project Manager. In 2004, while working for Wynn Design and realizing that flooring was his true passion, James earned his certification in Flooring Forensics. This gave him a different outlook on every project and approach to installations. This unique insight of why floors fail in residential, commercial, and hospitality helped James to analyze and solve some of the most perplexing failures. His mission is to educate design professionals on the current and future approaches to the changes in the industry and to find out the answers to why installations fail.

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