2022 GLASS AND GLAZING FORUM

Event Program
Offering Continuing Education and Networking to the Glass and Glazing Industry

April 14 | 8AM | FTI of DC36
Event Overview

2022 Glass and Glazing Forum
April 14, 2022

Presented by the FTI of DC36, an AIA affiliate:

• Offering 5 Courses granting AIA Learning Units
• Vendors & Exhibitors from the Glazing Industry
• Live Demonstrations
• Training Opportunities & Learning Experiences
• No registration Fee
• Breakfast, Lunch, Door Prizes & Raffles
• Continuing Education, Networking, Vendors, and more!

Open to Architects, Vendors, Glazing Contractors, General Contractors, Developers, End Users, Installers, and other Industry leaders
Breakfast, Lunch & Door Prizes | Schedule: Attend any continuing education session(s) that fit your needs or schedule

April 14th

7:00 am Doors open to vendors
7:30 am Doors open to the public
8:00 – 9:00 am Vendors demonstrations, coffee and breakfast
9:00 – 10:00 am AIA HSW LU: Jeff Dalaba, AMS: Why Certification – Providing Real Peace of Mind
10:00 – 10:20 am Vendor demonstrations and break
10:20 – 11:20 am AIA HSW LU: Joseph Iannici, Dormakaba: Interior Glass Office Front System
11:20 – 11:40 am Vendor demonstrations and break
11:40 am – 12:40 pm AIA HSW LU: Mark Suehiro, CRL: Glass Entrance Specifications: What you need to know
12:40 – 1:40 pm Lunch, Raffles and Vendor/Glazier demonstrations
1:40 – 2:40 pm AIA HSW LU: Paul Daniels, FHC: Glass Handrail and Guardrail Systems
2:40 – 3:00 pm Vendor demonstrations and break
3:00 – 4:00 pm AIA HSW LU: Abel Macias, Momentive: Next Generation Structural Silicone Glazing Adhesives
Jeff Dalaba, AIA HSW LU: Why certification- providing real peace of mind.
Program Manager for the AGMT and NACC Program of AMS (Administrative Management Systems, Inc.)

Jeff Dalaba is the Program Manager for the North American Contractor Certification Program (NACC) and Architectural Glass and Metal Technician Certification Program (AGMT) with Administrative Management Systems (AMS, Inc.) in Sackets Harbor, New York. He has provided development leadership in coordination with the NACC Program Certification Board, as well as other glazing industry experts, since the inception of the NACC Program to compile the industry provided best practices into the ANSI Accredited Certification Program. He also leads the AGMT Personnel Certification that tests both written knowledge and physical abilities of glazing technicians. Since joining AMS in 2010 Jeff has also worked with various glass product certification programs including Window and Door Manufacturers (WDMA) Hallmark, NFRC, Insulating Glass Certification Council (IGCC), Safety Glazing Certification Council (SGCC), and the Florida Building Commission High Velocity Hurricane Zone Protocol to develop enhanced processes and efficiencies in the operations of these programs for AMS.
Event Presenters

Joseph Iannici, AIA HSW LU: Dormakaba: Interior Glass Office Front System
National Sales Representative & Key Accounts
IGS Uniquin Systems -USA/Canada

Joseph is the National Sales Representative for IGS Uniquin System – USA/Canada. In this capacity, his focus is to propel dorma+kaba Group's position in the glass interiors market by applying his extensive knowledge of the industry and his expansive experience in sales and project management. Joseph will lead sales and distribution efforts in the USA & Canada & lead the continued launch of Uniquin demountable wall systems/HSW, Custom Solutions, Key Accounts for the Dormakaba IGS Americas/Canada segment.

From 1997, Joseph served in various progressive positions, starting as an installer, designer, project manager & sales within the Division 10 furniture & glass wall industries. His goals are to brand and sell incredible products Nationally with the focus of organized discussions, design assist, engineering, research & development. His passion is to solve your problems by asking the right questions and paying attention to all the details. His educated background is in Architecture, Interior Design & Construction.
Mark Suehiro, AIA HSW LU: CRL: Glass Entrance Specifications: What you need to know
CSI, CDT, Technical Director, Glass Entrance & Partitions Group

Mark Suehiro has more than 15 years of experience in the glass entrance and architectural hardware field. His extensive knowledge of doors and entrances encompasses product engineering, manufacturing, distribution, and new product development. In his role as technical director of the glass entrance and partitions group at CRL, Mark leads a team of product specialists in assisting contractors and architects with the design, specification, and installation of code-compliant architectural glazing systems.
Paul Daniels, AIA HSW LU: FHC: Glass Handrail and Guardrail Systems
Frameless Hardware Company LLC

Paul Daniels brings over 40 years of experience in the glass industry. He has been a guest speaker at many trade show and industry events, and served on many glass association committees, including the GANA Tempered Glass group, which updated their Heavy Glass Door Manual, and has been an active CSI member over the years.
Abel Macias, AIA HSW LU: Momentive: Next Generation Structural Silicone Glazing Adhesives
Advanced Application Development Engineer
Western United States & Western Canada

Abel Macias is an Advanced Applications Development Engineer for GE Silicones (Momentive Performance Materials) where his regions include the Western United States, Western Canada, Guam, and Northern Mexico. He supports contractors, architects, engineers, consultants, and specifiers in the development of glass and glazing systems.

Prior to Momentive, Abel was the Superintendent for a large California-based Glazing Contractor with a specialty in four-sided structural silicone reglaze work. He managed projects in both the San Francisco Bay Area and the Southern California region as a member of Local 169 (Oakland). He began his career as an Allied Worker, and later, an Apprentice at Local 636 (Southern California). Abel is carrying on a third-generation legacy by contributing to the glass and glazing industry.

He is currently a member of the National Glass Association (NGA), the Insulating Glass Certification Council (IGCC), and the Construction Specifications Institute (CSI).
Adversity, challenges, unknowns. These are some words we have all used during 2020 and 2021. Glazing subcontractors, general contractors, owners, developers and end users have all experienced the challenges of Covid-19. Whether it be the rising cost of materials, challenges finding construction workers or the added expenses of Covid-19 mitigation, there is no doubt that this has been a challenging time that we will all remember for decades to come.

As we all struggle to find our footing during these times, one organization has done all they can to stay at the forefront of the glazing industry. The IUPAT Glaziers have continued to set the pace for industry excellence. Since their start in the 19th century, union glaziers have been present for the highs and lows of our American Society, Covid-19 being no exception. The IUPAT Glaziers fall under the umbrella of the International Union of Painters and Allied Trades. This affiliation allows the organization to maximize training and industry advocacy while sharing resources with other trades/workers.
The IUPAT Glaziers represent over 18,000 Glaziers across the USA and Canada. With over 105 training centers, the IUPAT Glaziers and the Finishing Trades Institute (the IUPAT’s training arm) offer apprenticeship programs, journey worker upgrading curriculum, continuing education for architects and engineers, Job Corps programs, and an unparalleled dedication to bringing training and work to disadvantaged workers of all backgrounds. Thousands of new apprentices start their careers every year with the IUPAT Glaziers. These future installers are trained to the highest standards on safety, curtain wall, storefront, slope glazing, active glass, sun shades, glass handrail, hardware, modern entry systems, and other aspects of the architectural glass and metal scope. The IUPAT glazier is trained to be an all around glazier mechanic to solve the challenges of modern designs and complexities that we see in modern construction. With over 85 training programs and curriculums exclusive to glazing, for the apprentices and journey workers, the IUPAT Glaziers have been and will remain leaders in training for the architectural glass and metal installer.

Local 636 (Los Angeles, California) glaziers pose next to a horse-drawn glass cart circa 1927.
Along with their own curriculums and programs, the IUPAT Glaziers have been utilizing third-party certifications available to the glazing industry. With the emergence of the NACC and AGMT certifications in the last 6 and 5 years respectively, the IUPAT Glaziers see this as the future of the industry and have fully endorsed both certifications. These certifications are open to all, whether union affiliated or not.
The North American Contractor Certification (NACC) is an ANSI accredited certification that is administered by Administrative Management Systems (AMS) out of Sackets Harbor, NY and governed by the Architectural Glass and Metal Certification Council (AGMCC). This third-party certification is exclusive to glazing contractors to show proficiency in business practices, contract administration, safety, glazing practices and quality management systems. The foundation of the certification is quality management. The NACC certification has been specified in construction documents over 1000 times in the last few years with most specifications taking place in the last 12 months. This uptick in NACC requirements shows the growing importance and need for quality contractors in the glazing industry. The IUPAT Glaziers fully support increased quality assurances in the glazing industry and have recommended the NACC certification to their affiliated contractors.

As a Specifier, installer certification is important to me because it offers independent verification of minimum, industry accepted qualifications necessary to complete a specific type of work. Certification replaces all the subjective criteria normally specified to ensure qualified installers are bidding.”

David Stutzman, AIA, CSI, CCS, SCIP – Conspectus, Inc.; Tuckahoe, NJ
The Architectural Glass and Metal Certification (AGMT) is also an ANSI accredited certification administered by Administrative Management Systems and governed by the Architectural Glass and Metal Certification Council. This third-party certification is exclusive to architectural glass and metal installers. Installers will be tested on their knowledge and practical skills pertaining to the glazing industry. This includes curtain wall, storefront, sealants, layout, and fall protection. As a prerequisite to testing, installers will need at least 7500 hours working in the glazing industry along with an OSHA 10 card. Testing is up to two hours for the knowledge based test and up to six hours for the practical test. Because the AGMT is often specified or required in conjunction with NACC, the IUPAT Glaziers have stepped up and tested over 500 glaziers with the intention of having 75% of the IUPAT glaziers AGMT certified by 2024.

The emphasis of this assessment is directed toward factors that, when properly applied, will tend to minimize construction defects and failures, and conform to customer requirements. The program is not a training program, nor intended for inexperienced technicians.

- Administrative Management System's AGMT website
The IUPAT Glaziers and the Finishing Trades Institute have also been expanding into the white collar portion of the glazing industry by offering continuing education to architects and other industry professionals. IUPAT Glaziers and the Finishing Trades Institute have hosted Glass and Glazing Forums in locations around the USA. These annual Glass and Glazing Forums include AIA CES presentations, vendors, demonstrations, and free food and drink for an all day glass and glazing experience. All presentations are glazing related and most events offer five hours of AIA HSW LUs.

The current world we live in is challenging in many ways. However, organizations like the IUPAT Glaziers are looking to make navigating these waters a little easier. If it is glazing related, the IUPAT Glaziers are involved one way or another.
NACC Case Study:
THE CONTRACTOR’S PERSPECTIVE
Minneapolis, Minnesota

Kraus-Anderson Construction Company
Minneapolis, Minn.

KA Building Science Group
Michael L. Spence, AIA, FCSI
Jon Porter, PE, Assoc. AIA
Paul Whitenack, AIA

About Kraus-Anderson
Founded in 1897 and family owned and managed for over 75 years, Kraus-Anderson Construction is consistently ranked by Engineering News Record among the Midwest’s Top 20 Construction Firms. An integrated development, construction, and real estate leasing and management firm with national project experience, Kraus-Anderson offers an owner’s perspective while collaborating with clients, architects, and stakeholders to ensure project success.

About NACC
The North American Contractor Certification Program provides architectural glass and metal contractors with certification recognition through a professionally administered, third-party assessment, as a means of creating a baseline for competency and adherence to industry-accepted guidelines.

Knowledge is Power
Abiding by the belief that knowledge is power, Kraus-Anderson Construction (KA) established KA University. The professional development program provides employees, clients, architects, and others with technical education and leadership training. KA University is an approved CEU provider of the American Institute of Architects.

Mike Spence, AIA, FCSI, of KA provides design and construction teams with in-house technical expertise and insight in the areas of building science and quality. In three decades of professional experience, Spence has worked as an architect, directed specifications writing, and provided construction quality management. His multiple perspectives informed his recent conversations with Administrative Management Services, Inc. about the value of the NACC certification program and how contractors stand to benefit from hiring certified subcontractors.

“What’s attracted KA to NACC is how to evaluate qualified subcontractors. When we work in our home area, we have relationships, but as we reach out to other areas, independent certifications are a tool to evaluate competency. That’s a real strong selling point.”

- Michael Spence, AIA, FCSI
Kraus-Anderson Construction
Featured Articles
NACC Case Study

Decision-Making Differences
"KA looks differently at subcontractor criteria than an architect," he explains. "As an architect, I was taught to focus on end results and not to specify means and methods. As a contractor, it's all about the means and methods. There is a risk profile difference between the two, but that lends itself well to labor and subcontractor certification programs. A third-party evaluation is a plus."

A subcontractor's financial strength is paramount to KAs hiring decisions. A strong safety record comes a close second. NACC certification mandates documentation for both, meaning certified subcontractors are prepared to meet the stringent requirements of a large GC such as KA.

Since launching in July 2015, NACC has gained industry acceptance and recognition for raising the bar of quality and professionalism. Yet there are still areas of the country without certified subcontractors. Spence, who expects the program to grow, suggests specifying qualifications and documentation in alignment with NACC certification in cases where specifying a certified contractor is not possible.

Mitigating Risk
The presentation explains how potential risks can be reduced by specifying end results rather than means and methods and suggests architects and engineers, "consider NACC and AGMT criteria as a starting point." He outlines key factors that should form the basis for qualifying glazing subcontractors: business practices, safety programs, quality programs, administrative procedures, and operational procedures. Not coincidentally, all of these criteria are documented as part of NACC certification.

Level of Detail
According to Spence, the level of detail encouraged by NACC is an asset to the certified subcontractors and the design and construction community. Since curtain wall manufacturers rarely approve or endorse subcontractors, independent third-party verification provides a safeguard. From structured quality and safety programs and documented procedures for shop fabrication to field deliveries and on-site applications, the protocols documented during certification keep questions to a minimum and instill confidence in the hiring GC.

Specifying Curtain Wall
To assist the A/E and subcontracting communities, the KA Building Science Group developed the presentation, "Curtain Walls from the Contractor's Perspective." The presentation provides design teams with insight and understanding of curtain wall performance requirements and best practices perspective regarding curtain wall specification, detailing, and testing. According to Spence, "By understanding the contractor's perspective, you will be better prepared to eliminate waste in your design and documentation process by focusing on what's important for the owner and contractor."

Predictable Performance
Spence says that KA encourages its design community partners to focus on defining performance criteria: how the finished application must perform and not necessarily how to get there. This has been a recurring theme in his education presentations. "The value in NACC certification is that in the procedural guide for NACC are those criteria. Certified contractors provide predictable performance. That's really important."
SPECIAL THANK YOU TO ALL
OUR VENDORS AND PRESENTERS

Finishing Trades Institute
Southern California

NACC
North American Contractor Certification

AIA
Approved Continuing Education

Southern California Glass Management Association

AGMT
Architectural Glass & Metal Technician Certification Program

dormakaba
FRAMELESS HARDWARE COMPANY

FHC

arcadia
A CRH COMPANY

GE Silicones

MAGID
Safety at work®

DeWALT®

HILTI

Smiley
LIFETIME GOODWILL

KAWNEER

SKY CLIMBER®

Wood's POWR-GRIP

WPC
EST. 1964

California Waterproofing Supply

Door Controls USA

Grabber Construction Products

NGA
National Glass Association with CANA

Behr

Aragon

Sika

Job Corps

United Brotherhood of Carpenters and Allied Trades

One Union

Long Beach Job Corps Center
LONG BEACH, CA