

# GLAZING EVOLVED.

OFFICIAL CONFERENCE PROGRAM

**BEC**  
CONFERENCE

**March 3-5, 2024**  
Nashville  
[glass.org](http://glass.org)



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# 2024 Event Schedule

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**General Session Presentations: Broadway West (K–F) | Meals: Broadway East (A–E)**

## Sunday, March 3

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3:00 pm Registration Desk Opens

6:00 – 8:00 pm Welcome Reception

## Monday, March 4

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7:30 am – 5:00 pm Registration Desk Open

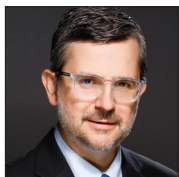
7:45 am – 9:15 am Continental Breakfast  
Installing Committee Meeting

9:00 am – 9:30 am Tabletop Displays Open

9:30 am – 9:45 am Greetings & Introductions

9:45 am – 10:25 am State of the Industry: How We Got Here &  
How We're Evolving

Ricardo Maiz, President of Vitro Architectural Glass, will explore how the flat glass industry in North America has changed significantly in recent years, and deliver insight on the market demands and economics that have driven it. Looking forward, he'll offer a glimpse of the opportunities and trends that will fuel the not-so-distant future of glass on our continent.



Ricardo Maiz  
Vitro Architectural Glass

10:30 am – 10:35 am Take 5 Presentation, glasstec 2024  
“Preview of the No. 1 trade fair for the glass sector in Düsseldorf, Germany this October.”



**WiFi Network:** NGA  
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**Social Hashtag:**  
#BEC2024

10:40 am – 11:20 am

### Disruption is Coming. Are You Ready?

The North American glass and glazing industry is on the precipice of massive change. COVID and its aftermath have altered the landscape of construction and manufacturing, affecting supply chains, labor, borrowing and more. Business as usual won't be enough to cut it for companies hoping to survive and thrive into the next decade and beyond.

During this keynote, hear insights from Harmon Inc.'s Troy Johnson about the potential disruptions coming for the glass industry, and learn what you can do to prepare.



Troy Johnson  
Harmon Inc.

11:25 am – 11:30 am

### Take 5 Presentation, FHC – The Glazing Supply Co. “FHC Educational Update and What’s New at FHC”

11:35 am – 12:05 pm

### How to Manage Delays to Maximize Profits and Avoid Exposure

In today's construction environment, glazing subcontractors are often faced with work delays, whether caused by jobsite problems, supply chain issues, labor shortages, or more. Find out what you can do to protect your glazing firm in the event of project delays.



Vic McConnell  
Smith Cashion & Orr, PLC

12:10 pm – 12:15 pm

### Take 5 Presentation, Vitro Architectural Glass “Emerging Improvements in High-Performance Glass Products”

12:15 pm – 1:00 pm

### Networking Lunch | Tabletop Displays Open Building on a Landmark: the Omni Nashville Hotel Case Study Sponsored by Vitro Architectural Glass

The gorgeous Omni Nashville, host of this year's BEC Conference, is the feature of this lunch case study presentation. Opened in 2013, the goals of this new convention center hotel were to integrate it, functionally and aesthetically, into the city's cherished landmark, the Country Music Hall of Fame and Museum; and, to build a sustainable and energy-efficient structure suitable to earn USGBC LEED Silver. Hear how it helped set the stage for the use of glass in hospitality and how that trend has continued.

In addition to Vitro Architectural Glass, project partners included Oldcastle BuildingEnvelope and Gardner Glass & Glazing, Inc.

1:00 pm - 1:15 pm

### Recruiting the Next Generation

High school career fairs are a great way for companies to talk with students about post-graduation career paths. Learn how to use NGA's new recruitment resources to make the most of career fair opportunities.



Jodi Martinez  
AllStar Glass



Jenni Chase  
National Glass Association

1:15 pm - 1:20 pm

### Take 5 Presentation - TSC, Inc. "Next Generation Virtual Design Services"

1:25 pm - 2:10 pm

### What I've Learned About Employee Engagement in the Last Six Years

Reprising and updating his popular presentation from the BEC Conference in 2018, Tom Jackson, President and CEO of Steel Encounters, will share the lessons he's learned about employee engagement, including setting cultural expectations, clarity of communication, teaching business to all employees, holding employees accountable, and creating career development plans. You do not want to miss this vital business learning opportunity!



Tom Jackson  
Steel Encounters

2:10 pm - 2:15 pm

### Take 5 Presentation, Walker Glass Co., Ltd. "Does bird-friendly glass really work? Looking at a decade of AviProtek® installations"

2:15 pm - 3:00 pm

### Straight Talk on Addiction Treatment and Recovery

The National Safety Council reports 75% of employers have been impacted by the opioid crisis and 19% of construction workers have a substance use disorder. Yet substance misuse remains the proverbial "elephant in the room" in most construction workplaces. The time has come for employers to confront the realities of the enormous human and financial toll of substance misuse.



Cal Beyer  
CWP, SAFE Project



David Argus  
Karas & Karas Glass,  
Boston Phoenix  
Foundation

3:00 pm - 3:10 pm

### Women in Glass & Fenestration Photo Opp

3:00 pm - 3:30 pm

### Break | Tabletop Displays Open

3:35 pm – 3:40 pm                      Take 5 Presentation, Dow  
“Advanced Engineering: Smart. Strong. Science.”

3:45 pm - 4:15 pm                      Specification Missteps, Codes Challenges and More  
In this session, members of the NGA advocacy and technical services team will demonstrate the difference between a code and a standard and how they impact a job; address points of confusion with specifications that often come up with architects; and challenges associated with window-to-wall ratio.



Urmilla Sowell  
NGA Vice President,  
Advocacy & Technical Services



Tom Culp  
NGA Codes Consultant  
Owner, Birch Point Consulting

4:20 pm – 4:25 pm                      Take 5 Presentation, Guardian Glass  
“Friends in Low-e Places”

4:30 pm – 5:00 pm                      Architect and Glazier One-on-One: Aspirations  
Between Collaborators

An Architect and Glazier explore the use of collaboration and innovation to drive value to project stakeholders. Listen in as they peer into the future of architecture & construction workflow and learn how trade partners can position themselves to maximize their value proposition in the digital landscape that lies ahead.



Keith Fine  
SLAM



Matt Aragon  
Aragon Construction

5:00 pm – 6:00 pm                      Tabletop Reception

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## Tuesday, March 5

7:30 am – 5:00 pm                      Registration Desk Open

8:30 am – 9:30 am                      Networking Breakfast | Tabletop Displays Open

**For a list of conference attendees,  
please scan the QR code >**



9:30 am – 10:15 am AI Unleashed: Embracing the Power of Artificial Intelligence

The future is here — it's time to not just witness, but actively participate in this AI-driven era. This dynamic keynote speech strips AI of its complexities, unveiling its immense potential to reshape our world, enhance decision-making, and optimize operations. Come away with an actionable three-step plan to start integrating AI into your personal and professional life.



Stefanie Couch  
Build Women

10:20 am – 10:25 am Take 5 Presentation, LuxWall  
“LuxWall R-18 VIG — Made in the USA”

10:30 am – 11:00 am Future-tech Today: an Exploration of Groundbreaking Technologies Entering the Glazing Industry

Gain insights into the current state of construction robotics and leave with strategies for engaging with and evaluating new technology providers.



Conley Oster  
Co-Founder, Raise Robotics

11:05 am – 11:10 am Take 5 Presentation, LiSEC  
“ALL IN ONE Solutions”

11:15 am – 11:50 pm Project Perspectives Panel: From Estimating to Project Management to Field

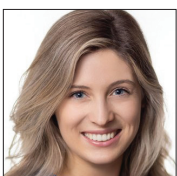
The success of a project depends significantly on the effective workflows of those involved. Clear communication methods, streamlined processes, and an understanding of the technology and systems being used will help a team communicate up the chain, along the chain and down the chain, reducing potential for gaps and mistakes. Hear from an estimator, a project manager and a field lead on what makes for a positive project experience.



Daniel Cothorn  
Alexander Metals, Inc.



Matt Kamper  
Woodbridge Glass



Alyssa Wolf  
Assured Glass Services, LLC



Henry Taylor, moderator  
Kawneer Company

12:00 pm Event Wrap-Up

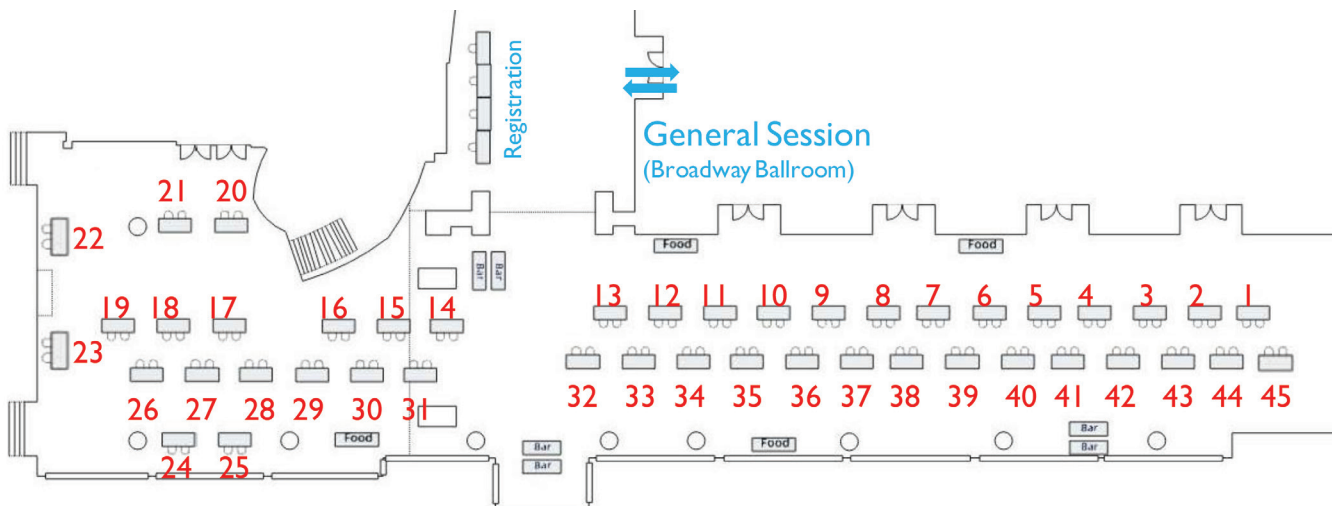
# Tabletop Displays

## Location: Broadway Pre-Function Area

Monday, March 4 | 9:00–9:30 am, 12:15–1:00 pm, 3:00–3:30 pm, 5:00–6:00 pm

Tuesday, March 5 | 8:30–9:30 am

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# Association Leadership

## 2023-2024 Board of Directors



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Ajay Glass Co.



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Nicole Harris  
President & CEO  
National Glass Association



Upcoming conferences and events  
for 2024 and early 2025.

Learn more at [glass.org](https://glass.org)!



**Glass & Glazing Advocacy Days**  
May 14-15, 2024 | Washington, DC

**NGA Glass Conference: Milwaukee**  
August 6-8, 2024 | The Trade, an Autograph Collection  
Milwaukee, WI

**GlassBuild America: The Glass, Window & Door Expo**  
September 30 - October 2  
Kay Bailey Hutchison Convention Center | Dallas, TX

**Glazing Executives Forum**  
September 30, 2024  
Kay Bailey Hutchison Convention Center | Dallas, TX

**BEC Conference 2025**  
March 2-4, 2025  
Horseshoe/Paris Hotel | Las Vegas, NV

## Advocacy Committee

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*Chair*  
Paul Bush  
Vitro Architectural Glass

## Fabricating Committee

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*Chair*  
Aaron Thompson  
Viracon



*Vice Chair*  
Bobby Chestnut  
McGrory Glass

## Fabricating Committee Technical Liaisons

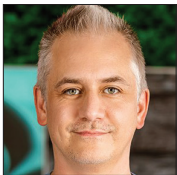
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*Mirror Technical Liaison*  
Dave Evans  
Guardian Glass



*Laminating Technical Liaison*  
Julia Schimmelpenningh  
Eastman Chemical Co.



*Decorative Technical Liaison*  
Michael Saroka  
Goldray Glass



*Protective Glazing Technical Liaison*  
Vaughn Schauss  
Kuraray America



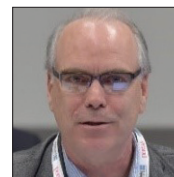
*Energy Technical Liaison*  
Helen Sanders  
Technoform



*Tempering Technical Liaison*  
Rick Wright  
Oldcastle BuildingEnvelope



*Fire-Rated Glazing Technical Liaison*  
Kremena Doytcheva  
Vetrotech Saint-Gobain



*Insulating Technical Liaison*  
Jeff Haberer  
Trulite Glass & Aluminum Solutions

## Forming Committee

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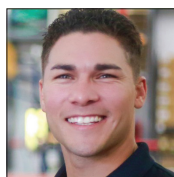
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Associate Director,  
Trade Show Logistics



Jenni Chase  
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Melanie Dettmer  
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Katy Devlin  
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Melissa Fischer  
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Max Perilstein  
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Wendy Rochelle  
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Georgia Scalfano  
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Tristan Scoffield  
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Urmilla Sowell  
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Technical Services



Casey Stafford  
Data Analytics &  
Registration Specialist



Rachel Vitello  
Assistant Editor



Karen Wegert  
Director, Technical  
Services

## Thank You to the 2024 BEC Conference Planning Task Group Members

Courtney Little  
ACE Glass  
Taylor Anderson  
Anderson Aluminum  
Joey Aragon  
Aragon Construction  
Alyssa Wolf  
Assured Glass Services

Brock West  
Glass Systems Inc.  
Henry Taylor  
Kawneer Co., Inc.  
Rick Wright  
Oldcastle BuildingEnvelope  
Kip Larison  
Pioneer Cladding & Glazing

Max Perilstein  
Sole Source Consultants  
Cameron Scripture  
Viracon  
Matt Kamper  
Woodbridge Glass

# NGA Resources for Glass & Glazing Professionals

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The National Glass Association offers Glass Technical Papers free for the industry on a wide range of topics pertaining to the commercial/residential glass and residential window and door industries. Glass Technical Papers are developed by NGA's dedicated member volunteers and subject matter experts.

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FB01-00 (2020) Proper Procedures for Cleaning Architectural Glass Products*	FB15-07 (2022) Describing Architectural Glass Constructions	FB28-11 (2022) Assessing the Compatibility of Glazing Materials and Components
FB02-02 (2018) Heat-Treated Glass Surfaces Are Different*	FB16-07 (2022) Bullet Resistant Glazing	FB29-11 Fire-Rated Glazing Changes in the 2012 International Building Code
FB03-03 (2023) Construction Site Protection and Maintenance of Architectural Glass*	FB17-08 (2019) Glossary of Terms for Color and Appearance	FB30-11 (2019) Proper Procedures for Receiving, Storage and Transportation of Flat Glass Mirrors
FB04-03 (2021) Design Considerations for Laminated Glazing Applications	FB18-08 (2023) Methods for Measuring Distortion	FB31-11 (2019) LEED® White Paper—Mirror
FB05-04 (2017) Emergency Egress through Laminated Glazing Materials	FB19-08 (2020) Guidelines for Handling and Cleaning Decorative Glass	FB32-11 (2018) Dynamic Glazing for High Performance Buildings
FB06-05 (2019) Proper Procedures for Cleaning Flat Glass Mirrors	FB20-08 (2022) Iridescence in Heat-Treated Architectural Glass	FB33-11 (2023) Glass Use in Guardrails
FB07-05 (2019) Point Supported Glazing	FB21-09 (2021) Installation Techniques Designed to Prolong the Life of Flat Glass Mirrors	FB34-12 (2023) Screening Out UV Radiation with Laminated Glass
FB09-06 (2023) Suggested Procedures for Dealing with Broken Glass	FB22-09 (2019) Proper Procedures for Fabrication of Flat Glass Mirrors	FB35-12 (2020) Bird-Friendly Glass Design Strategies
FB10-06 (2023) Skylights and Sloped Glazing Are Not Walking Surfaces	FB23-09 (2019) Approximate Weight of Interlayer Used in Laminated Architectural Flat Glass	FB36-12 (2019) Coastal Glazing and the Turtle Codes
FB11-06 (2022) Marking and Labeling of Architectural Glass	FB24-09 (2019) Hurricane Product Substitution	FB37-12 (2019) Laminated Glass Use in Furniture
FB12-07 (2023) Blast Resistant Glazing	FB25-09 (2017) Performance Criteria for Glazing Subjected to Seismic Events	FB38-14 (2021) The Recyclability and Reusability of Glass Products
FB13-07 (2018) The Importance of Fabrication Prior to Heat-Treatment	FB26-10 (2022) Detention Facility Glazing	FB39-14 (2019) Glass Properties Pertaining to Photovoltaic Applications
FB14-07 (2020) Glass Floors and Stairs	FB27-11 (2015) Guidelines for the Appearance of Insulating Glass Unit Edges in Commercial Applications	FB40-14 (2021) Recyclability of Architectural Glass Products

\*Also available in Spanish.

FB41-14 (2019) Design Considerations for Use of Sealants/Adhesives with Coated Glass	FB58-18 (2023) Understanding Reflective Distortion in Mirror Installations	FM01-08 (2020) Approximate Weight of Architectural Flat Glass
FB42-14 (2019) Decorative Glass Strength Properties	FB59-18 Heat-Treated Laminated Glass Exposed Edges	FM02-07 (2017) Flat Glass Industry Standards
FB43-14 (2020) Security Glazing	FB60-18 (2023) Understanding Reflected Solar Energy of Glazing Systems in Buildings	FM02-09 (2020) Protecting Glass Against Weld Splatter
FB44-14 (2019) Assessing the Durability of Decorative Glass	FB61-19 Tornado-Resistant Glazing	FM03-10 (2023) LEED® Recycled Content for Glass
FB45-14 (2019) Recommended Applications for Heat-Treated Architectural Glass	FB62-19 Mitigating Thermal Stress Breakage in Heat-Treated Spandrel Glass	FM04-12 (2019) Daylighting
FB46-15 (2022) Assessment of the Weatherability and Durability of Decorative Glass	FB63-19 Products for Energy Applications	FM05-12 (2023) Physical and Mechanical Properties of Typical Soda Lime Float Glass
FB47-15 (2021) Considerations When Installing Interior-Mounted Back-Painted Glass	FB65-20 Glass for Personal Protective Barriers	FM06-20 General EPD Education
FB48-15 (2020) Effects of Moisture, Solvents and Other Substances on Laminated Glazing Edges	FB66-20 Introduction to Vacuum Insulating Glazing	FM07-21 Flat Glass Environmental Transparency Documents
FB49-17 (2022) Performance Improvements of IGUs	FB67-20 Guidelines on How to View Decorative Glazing Products in Interior and Exterior Applications	IN01-06 (2020) The Top 10 Items Commonly Missing from Fenestration System Shop Drawings
FB50-17 (2022) Building Energy Performance	FB68-20 Guidelines for Measuring Color of Decorative Glazing Materials in the Field	IN02-09 (2022) Bid Considerations for Contract Glazing Proposals
FB51-17 (2022) Building Envelope Commissioning	FB70-20 Best Practices for Installed Painted Decorative Glass	IN03-12 (2023) Key Elements of Fenestration System Shop Drawings
FB52-17 (2022) Guidelines for the Production of Heat-Treated Architectural Flat Glass	FB71-21 School Security Glazing	IN04-14 (2020) Safety Guidelines for Deglazing Structural Silicone
FB53-17 Benefits of Decorative Glass in Daylighting Applications	FB72-21 Introduction to Hybrid VIG Fabrication	IN05-17 (2022) Overview of Building Information Modeling (BIM) for Glass and Glazing Systems
FB54-17 (2022) Guidelines and Best Practices on How to Manage Color Variance of Decorative Glazing	FB73-22 Types of Decorative Glass	TB-1601-95(14) Guidelines for Use of Capillary Tubes
FB55-17 LEED® White Paper – Decorative	FB74-22 Alignment in US Energy Conservation Codes ASHRAE 90.1 and IECC	TB-1250-19 PIB Primary Sealant
FB56-18 Heat Soak Testing	FB75-23 Compatibility Testing of Insulating Glass PIB Primary Sealant with Respect to Glazing Materials	
FB57-18 One Optical Number Does Not Fit All	FB76-23 Fire-Rated Glazing 101	



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Case Study Presentation



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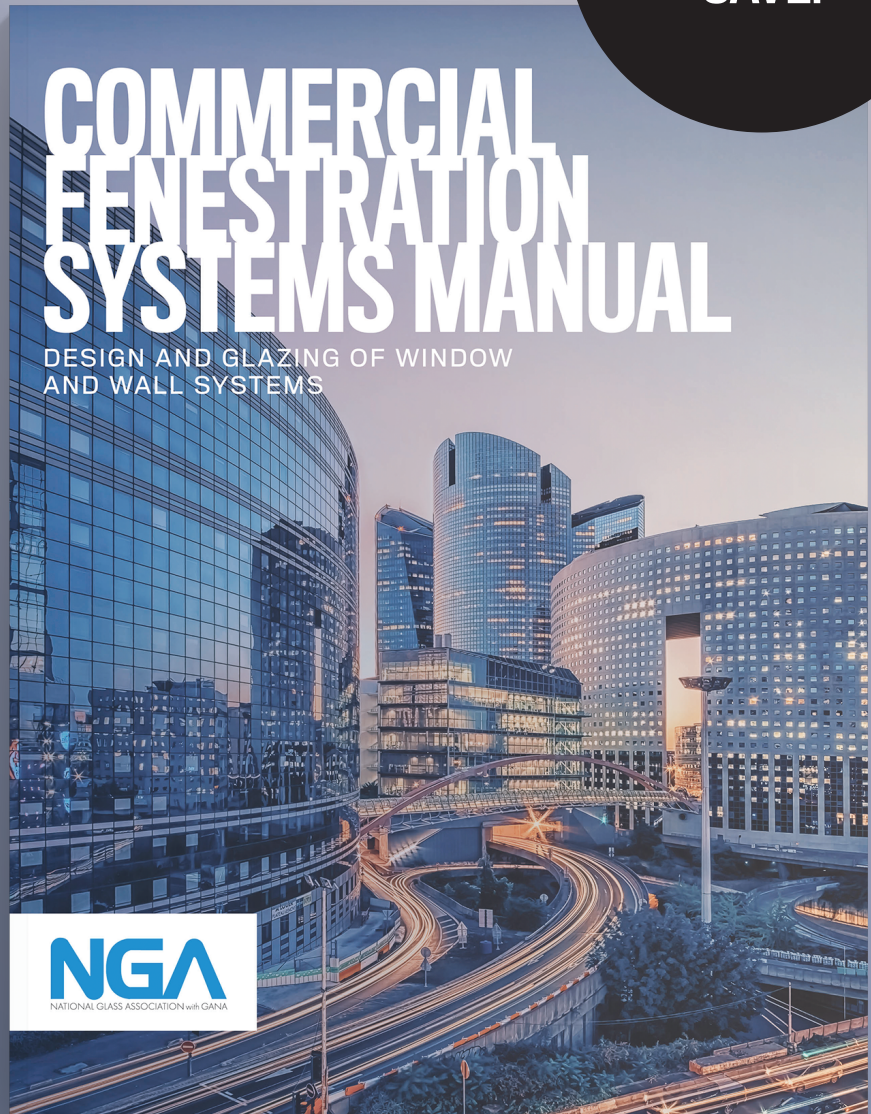
# The authoritative manual on complete fenestration systems for the glass and glazing community

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