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# glass<sup>®</sup> magazine

## Redefining What's Possible

GLASS MAGAZINE AWARDS

GlassBuild  
America Preview

Glass as Art

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# REDEFINING WHAT'S POSSIBLE

GLASS MAGAZINE  
AWARD WINNERS  
PUSH THE ENVELOPE OF  
AESTHETICS, EFFICIENCY  
AND PERFORMANCE

BY KATY DEVLIN

“It’s fascinating to see how architectural designs continue to evolve, becoming more and more complex, and how our industry continues to step up to the plate to meet the ever-changing demands for structurally sound installations, aesthetics, safety and energy-efficiency,” says Alice Dickerson, a 2015 Glass Magazine Award judge and manager of marketing and communications, building and industrial products for AGC Glass Co. North America, [us.agc.com](http://us.agc.com).

The Glass Magazine Awards continue to recognize the projects and products that are redefining what is possible in the glass industry. The 2015 award winners demonstrate innovation and imagination in what products are developed, what projects are possible, and how both come to fruition.

“From an architect’s point of view, innovation is alive and well. Glass and fenestration products are pushing our perception of what the building enclosure can be,” says GMA Judge John Stephenson, senior architect, buildings & places, for AECOM, [aecom.com](http://aecom.com).

“From small projects to huge, the beauty that is produced [by the glass industry] is amazing,” adds Russ Slaybaugh, GMA judge and vice president and general manager for Diamon-Fusion International Inc., [dfsolutions.com](http://dfsolutions.com).

Featured on the following pages, the 2015 Glass Magazine Award winners represent the best products and applications the glass industry has to offer. To determine the winners in the project and product categories, the Glass Magazine staff compiled nominations for a panel of judges, representing all segments of the industry. The judges then selected a winner in each category; they were not allowed to vote in categories which their company had been nominated.

Special thanks to the judges on the opposite page for the time and effort they put into the selection process.

*Thanks to GGI, [generalglass.com](http://generalglass.com), for producing the 2015 Glass Magazine Award plaques, and to C.R. Laurence Co., [crlaurence.com](http://crlaurence.com), for supplying the hardware.*

# MEET THE JUDGES



**Rob Botman**  
*General manager*  
Glassopolis  
glassopolis.com



**Peter Hayes**  
*General manager*  
Meltdown Glass Art & Design  
meltdownglass.com



**Bob Burkhammer**  
*Executive vice president*  
Giroux Glass Inc.  
girouxglass.com



**Mandy Marxen**  
*Vice president of marketing*  
Gardner Glass Products Inc.  
gardnerglass.com



**Barbara Cashman**  
*Owner/CEO*  
GlasTile Inc.  
glastile.com



**Tony Muraco**  
*President and CEO*  
Universal Window  
and Door LLC  
universalwindow.com



**Alice Dickerson**  
*Manager marketing and  
communications, building  
and industrial products*  
AGC Glass Co. North America  
us.agc.com



**Rick Nelson**  
*Vice president of sales/  
marketing manager*  
Northwestern Industries  
nwiglass.com



**George Distefano**  
*President*  
Glassolutions Unlimited Corp.  
glassolutions.com



**Tom O'Malley**  
*Partner/director of sales*  
Clover Architectural Products  
cloverarchitecturalproducts.com



**Joseph Green**  
*President*  
GlasPro  
glas-pro.com



**Terry Peterson**  
*Vice president*  
Novum Structures  
novumstructures.com



**Jeff Haber**  
*Managing partner*  
W&W Glass  
wwglass.com



**Russell Slaybaugh**  
*Vice president  
and general manager*  
Diamon-Fusion Int'l Inc.  
diamonfusion.com



**Brian Harrington**  
*Director of business  
development*  
Bellwether Design  
Technologies LLC  
bellwetherdesigntech.com



**John Stephenson**  
*Senior architect,  
buildings & places*  
AECOM  
aecom.com



*Most Innovative Curtain  
Wall or Enclosure Project*

## The Corning Museum of Glass Contemporary Art + Design Wing

*National Enclosure Company LLC,  
nationalenclosure.com*



“THE SIMPLICITY OF THE  
DESIGN IS TRIUMPHED  
ONLY BY THE COMPLEX  
ENGINEERING THAT LIES  
BEHIND THE GLASS,  
HIDDEN FROM VIEW.”



Photos by Iwan Baan.



The new 100,000-square-foot, \$64-million addition to the Corning Museum of Glass in Corning, New York, is encased in an innovative and unique structural glass rainscreen façade system. National Enclosure Company LLC completed the design, engineering and installation of the façade for the museum's Contemporary Art + Design Wing.

"This innovative façade system incorporates the use of a structural stud back up system to provide the structural and thermal protective component of the rainscreen façade, while relying on the opaque laminated portions of the glass to act structurally in the non-rainscreen portions," says Bob Gray, project manager for NEC.

The entire glass façade carries its dead-load to the ground via a special base channel system which allows for micro adjustability, according to NEC officials.

"The most innovative nature of this façade is that both the opaque (rainscreen) functions and the fritted vision functions are integrated into the same jumbo structural laminated glass panels," Gray says.

The majority of the lites span 10 feet 6 inches by 24 feet 4 inches and weigh 5,000 pounds. At the point of transition in the lite, a clear interlayer transitions to a white interlayer, which is all masked by a transitioning pattern frit. "Also occurring at this transition is a clever interior weather seal around the vision areas of the façade, which is hidden from view," Gray says.

The glass is comprised of two layers of 1/2-inch low-iron laminated glass with a 60 percent dot matrix pattern on the No. 2 surface for the vision portions of the façade. At the rainscreen portions, the frit pattern was removed and replaced with a layer of Vanceva Polar White polyvinyl butyral.

"The simplicity of the design is triumphed only by the complex engineering that lies behind the glass, hidden from view, and only truly appreciated by those intimately involved," Gray says. "The glass system itself is very unique in that all of the lites of glass are stacked upon one another, and all of the dead load is transferred to the foundation. The stacked lites of glass sit atop a thermally broken continuous aluminum dead load support system with vertical adjustability. The method of wind load transfer into the building is another unique characteristic of the façade. Solid aluminum wind load hooks are structurally bonded to the backside of the glass using structural silicone. These hooks engage wind load pins which are part of a vertical glazing channel system attached to the structural stud backup walls."

The culmination of this unique design is having both the vision and spandrel glass on the same lite of glass, creating a stunning visual effect with a seamless transition, according to NEC officials.

Thiele Glas, thiele-glas.de, was the glass supplier. The general contractor was a joint venture between Gilbane, gilbane-co.com, and Welliver MCGuire, buildwelliver.com. Thomas Phifer and Partners, thomasphifer.com, was the architect, and MBM Konstruktionen GmbH, mbm-konstruktionen.de, provided engineering and material support.