Advertising Invoice



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|--------------------------|------------|--|--|
| Nancy Peterson | Azon | | |
| Azon | | | |
| 643 W. Crosstown Parkway | | | |
| Kalamazoo, MI 49008-1910 | | | |

| Invoice Date | Invoice Number | Payment Due | | |
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| 4/14/2021 | 2021-41709 | 5/14/2021 | | |

| Publication | Issue | Year | Ad Size | Color | Gross | Net |
|----------------|-------|------|---------|-------|------------|------------|
| Glass Magazine | Apr | 2021 | 1/2 | 4/C | \$3,000.00 | \$3,000.00 |

| Total Amount Due: | \$3,000.00 |
|-------------------|------------|
|-------------------|------------|

Due to increased processing fees, we no longer accept credit card payments.

Make checks payable in U.S. dollars to "National Glass Association"

For faster processing, include the invoice number on the check stub.

Thank you for your business!

Advertising Contract

1/27/2021



Publisher:

National Glass Association 1945 Old Gallows Road • Suite 750 Vienna, VA 22182-3031 866-342-5642 or 703-442-4890

Advertiser: Nancy Peterson Azon

643 W. Crosstown Parkway Kalamazoo, MI 49008-1910 269-385-5942 npeterson@azonusa.com Ad Materials Contact: Beth Moorman Production Director 866-342-5642 ext. 122 bmoorman@glass.org

Agency:

Sales Rep: Mike Gribbin 410-459-0158 mgribbin@executivepublishing.com

| Publication | Issue | Year | Ad Size | Net | Amount |
|---------------------------------|-----------|------|-------------------------|------------|------------|
| Glass Magazine | Mar | 2021 | 1/2 | \$3,000.00 | \$3,000.00 |
| Glass Magazine | Apr | 2021 | 1/2 | \$3,000.00 | \$3,000.00 |
| Glass Magazine | Aug | 2021 | 1/2 | \$3,000.00 | \$3,000.00 |
| Glass Magazine | Sept/Oct | 2021 | 1/2 | \$3,000.00 | \$3,000.00 |
| GlassBuild America Show Catalog | September | 2021 | Catalog Combo Full page | \$595.00 | \$595.00 |
| Total | | | \$12,595.00 | | |

| | Total: | \$12,595.00 |
|-----|--|-------------|
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Unless specified, orders will be invoiced upon publication and include a PDF of the ad as it appeared in the magazine. Payment should be made to the National Glass Association and mailed to the post office box shown on the invoice.

I AGREE TO THE TERMS AND CONDITIONS SPECIFIED IN THE CURRENT PUBLISHER'S POLICIES. I/We understand and agree that any credit granted shall be paid by the due date shown on the invoice. In the event of default, the publisher may turn over the unpaid balance to a collections agency.

Authorized Signature: Nancy Peterson

Date: 27 January 2021

Nancy Peterson, Director of Market Communication

Printed Name:

Date:

more important because everything [now] is about survival," she says. Green building solutions, fueled by technological innovation, will also accelerate because of the stark increase of digitalization and virtual solutions that the pandemic necessitated, she says. Vergon emphasizes that the pandemic is accelerating, not creating, the demand for green innovation; outside of the pandemic, increasing

urbanization, which is estimated to see 60 percent of the world's population living in urban areas by 2030, will bring air pollution and the need for green solutions, she says.

Passive house. Peterson says he expects the industry will move toward accelerated energy and thermal efficiency requirements such as those in the Passive House voluntary standards. Passive House is "predicated on the

idea of superinsulation, maintaining as much heat recovery as possible, and creating as airtight an enclosure as possible," which will also require more testing of systems' airtightness, he says.

Circular design. Building will also embrace the idea of the circular economy, says Peterson; this framework considers the lifecycle of the product from manufacturing, to installation, to demolition and reuse in what becomes a cycle of building. "Some of the best ways to reduce carbon is to try to understand durability and the effect of a product when it gets installed through to its end of life," says Peterson. With the rise of prefabrication, building elements or even systems could be extracted and reused in another building cycle, or recycled, he says.

Performance technologies

Vacuum insulated glazing. Peterson also sees the rise in VIGs, which allow designers to achieve an inside/outside connection for occupants through use of glass, while also maintaining a performance closer to some of the opaque building elements, he says. "This innovation has been out for a number of years but has only really come to the marketplace for larger units and being implemented by some of the large [fabricators] like Viracon or Interpane," he says. "[VIG] has made for some incredible performance gains and I think we're going to see much more of it coming out based on the desires of clients, desire of people who are buying apartment buildings; you'll see this coming out quite strongly in the marketplace."

Photovoltaic glass. In addition to saving energy, glass will likely produce more energy as well in the near future. "Buildings are starting to need to generate power on sites so they can reduce the demand they have on the electrical grid and the natural gas grid," says Peterson, and solar glass panels are one way to do so.

