

glass[®] magazine

the voice of the architectural glass industry

June 2005
Vol 55 | Num 6

Red hot
glaziers

- Operating hospital windows
- Vancouver casino
- Faster, cheaper transportation



Faour Glass Technologies showroom, Sarasota, Fla.

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Gross sales of some large glaziers.

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Vignettes highlight diversity.

731 Lexington Ave., New York City



Enclos Corp., Eagan, Minn.

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The red-light illuminated glazed staircase by Tampa-based Faour Glass Technologies highlights the company's showroom in Sarasota, Fla. The 1½-inch laminated treads, made from three ½-inch plies of PPG's Starphire Glass, feature a lightly sandblasted surface to prevent skidding. CHMI provided the stainless steel fittings that attach the treads to the vertical panes of 1-inch laminated and tempered structural glass from Dlubak Corp.

Cover photo by Christine Fitzgibbons



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Emergency venting windows in hospitals to receive encouragement from the American Architectural Manufacturers Association.



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Edgewater Casino in Vancouver was retrofitted from a 100 percent glazed façade.



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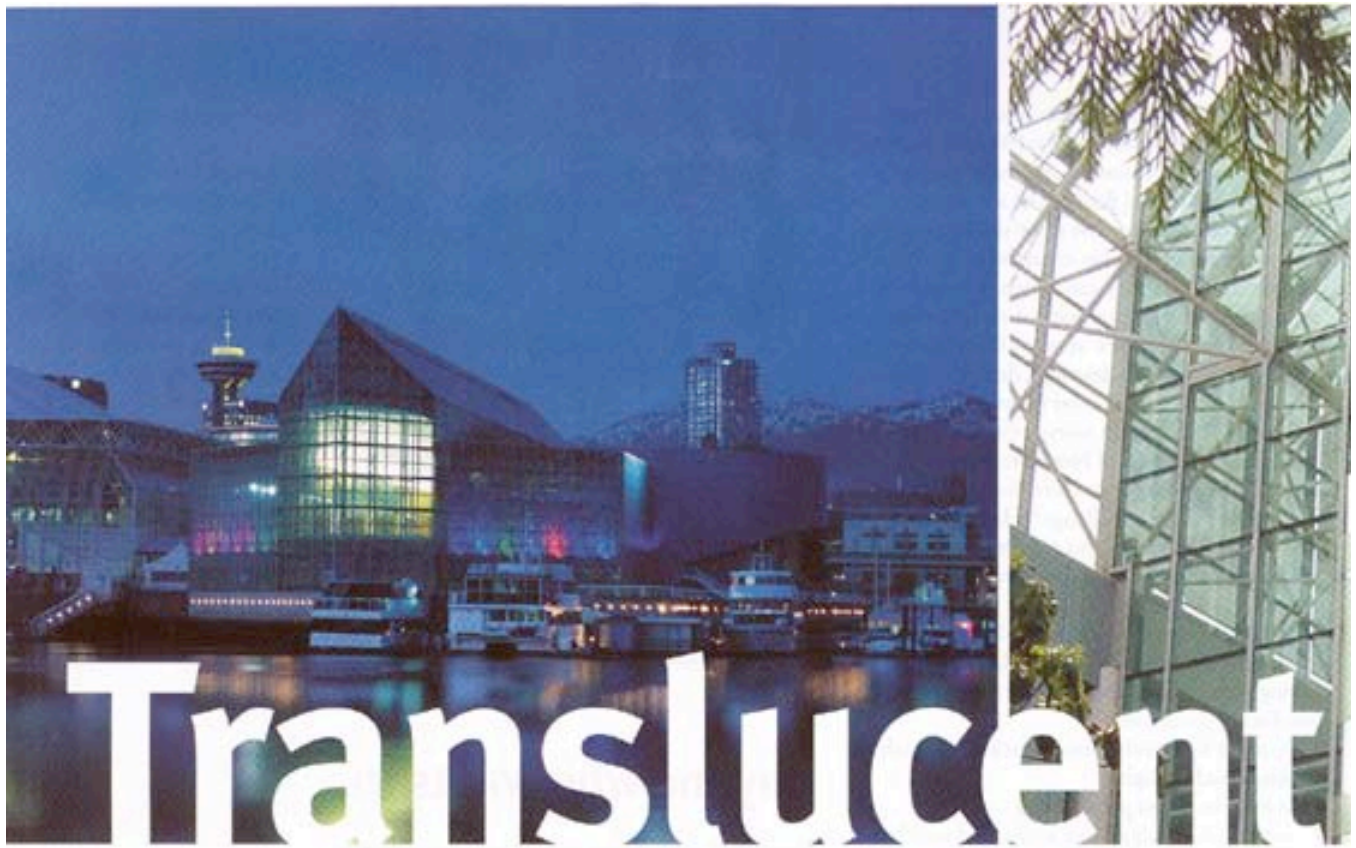
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Standoffs gaining popularity. See p. 88.

Glass Magazine® (ISSN 0747-4261), Volume 55, Number 6, is published monthly by the National Glass Association, 8200 Greensboro Drive, Suite 302, McLean, Va. 22102-3881, 703/442-4890. Subscription price is \$34.95 per year for U.S. subscribers; \$44.95 per year outside the United States. Periodicals postage paid at McLean, Va., and other mailing offices. For subscription inquiries, call 703/442-4890, ext. 201. For address changes, call 845/267-3481. POSTMASTER: Send changes of address to Glass Magazine®, Subscriptions, Box 460, Congers, N.Y. 10920. ©2005 National Glass Association. All Rights Reserved. Printed in the U.S.A.



beauty

Edgewater Casino shines

By Sahely Mukerji

the luminous Edgewater Casino at the Plaza of Nations in Vancouver, British Columbia, Canada, re-energized the waterfront when it opened in February. The 70,000-square-foot casino, located in the former British Columbian pavilion of Vancouver's Expo 86, has 600 slot machines, 50 game tables, a 500-seat theater and an outdoor performance stage. It is the largest glass art project in Canada, according to a release from Joel Berman Glass Studios of Vancouver, one of the glass suppliers for the project.

"We're always looking to find fantastic new ways to show off our glass," said Joel Berman, founder and president of JBGS, in a release. "Our design team ... created site-specific artistic yet functional designs."

The casino boasts more than 4,500 square feet of sandblasted, frosted, textured and custom patterns, 70 percent recycled. Structural high-lights include:

- An 8-foot tall balustrade of geometric patterns covers the mezzanine, stretching 200 feet across the width of the building. The pattern uses various textured JBGS panels.
- A 16-foot high and 24-foot diameter sculpture hangs in the casino's main steel-and-glass space. The


sculpture, Meeting Narvaez, features glass fins arranged in three nesting arcs and reflects the meeting of two of Vancouver's great mapmakers and discoverers, Commander José Maria Narvaez and Captain Van Coeverden.

- A 25-foot glass screen stands outside the entrance. The free-standing screen, Van Coeverden Revisited, consists of three layers of textured glass and geometric panels. Van Coeverden was the original Dutch spelling of British naval captain George Vancouver's family name, who explored the area in 1792.

A 100-percent glazed façade building was retrofitted to house the casino. The owner wanted the building to provide superior occupant comfort and indoor air quality at reduced operating cost. To accomplish this, engineers from VEL Engineering of Vancouver installed a double-skin system, a displacement delivery system and demand ventilation. The double skin reduces the cooling energy requirement by limiting solar gain and allows outside air to flow through and cool the air within the double skin. The limited ductwork and low static pressure required to deliver air in the displacement delivery system reduces fan energy. And, since the supply air temperature can be higher than the typical overhead supply system, it can utilize



free cooling from outdoors during longer periods of the day. Demand ventilation provides the appropriate quantity of outdoor air in direct response to the occupancy level.

Like its design—dazzling and functional—Edgewater Casino lights up Vancouver's waterfront and is expected to provide funding for infrastructure projects with the revenue it generates. 

Project profile

Edgewater Casino

Falson Creek, Vancouver, British Columbia, Canada

Cost: \$684,776

Owner: Edgewater Management Inc., Vancouver

Architect: Patrick Cotler Architect, Richmond, British Columbia

General contractor: Edgewater Management Inc.

Glazing contractor: Joel Berman Glass Studios, Vancouver; Wade Magnusen of Wade's Glass, Vancouver

Engineer: VEL Engineering, Vancouver; Broadway Refrigeration & Air Conditioning Co., Vancouver

Glass: Barber Glass Industries Inc., Vancouver; Joel Berman Glass Studios

Hardware: National Door & Hardware, Pacific Pre-Hung Doors Ltd., Coquitlam, British Columbia; Joel Berman Glass Studios

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