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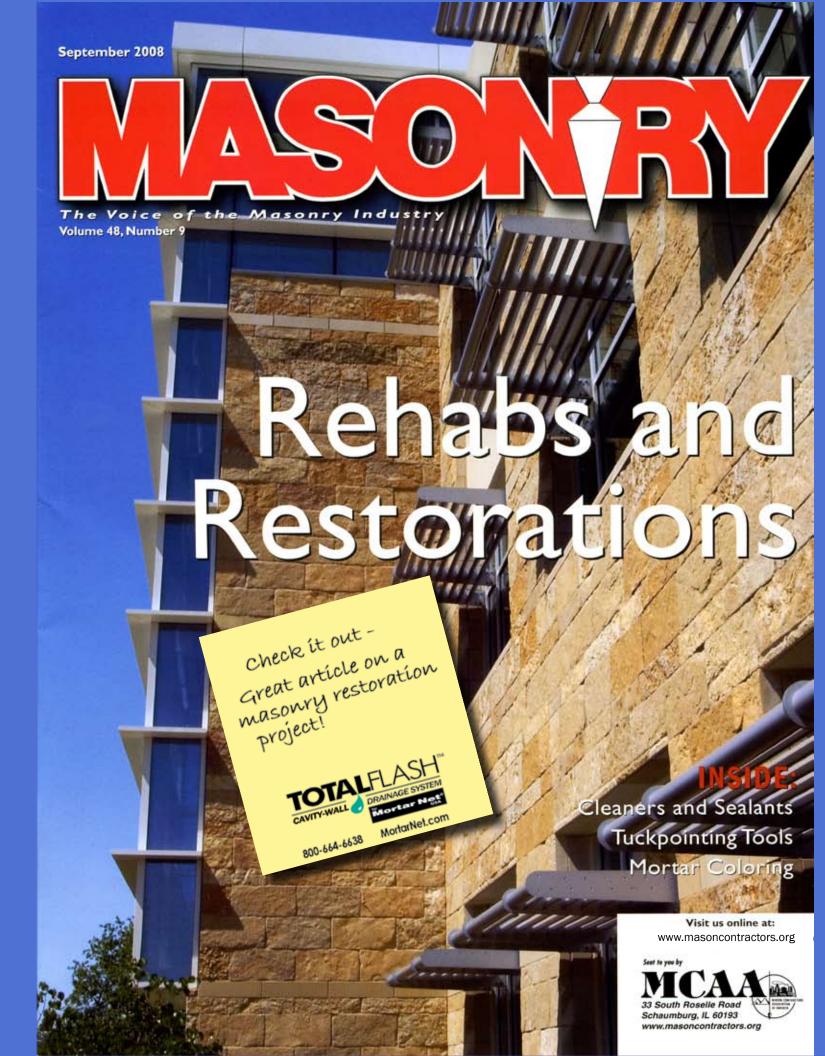
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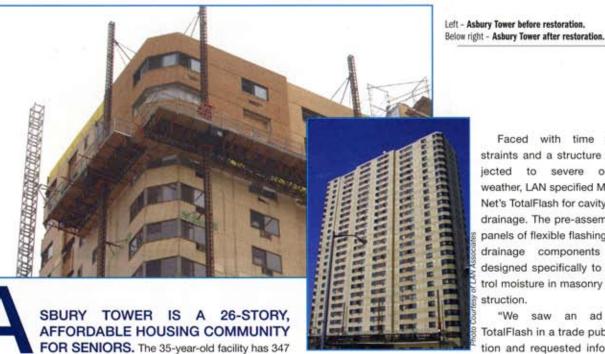




TotalFlash in Action

Slashing labor costs; boosting moisture protection

BY MICHAEL TRUNKO



straints and a structure subto severe ocean weather, LAN specified Mortar Net's TotalFlash for cavity wall drainage. The pre-assembled panels of flexible flashing and drainage components are designed specifically to con-

TotalFlash in a trade publication and requested informa-

with LAN. "We didn't want to use copper or lead-coated copper, which must be soldered in the field. They're expensive and time consuming, and it's hard to get precise joints, especially working high up. Soldering lead-coated copper also puts off

LAN brought in a testing agency to test the system on the

Potiyevsky says it was worth every penny to do the mock-ups and evaluate each step before starting the demo. Time spent in the beginning paid off.

tem, rather than trying it for the first time on the building," Potiyevsky says. "Preplanning on the ground is much more effective than doing it, without practice, 26 stories up."

trol moisture in masonry construction. "We saw an ad for

tion for this project," says Vlad Potiyevsky, project architect

Since the architects, engineers and masons had never used TotalFlash, LAN chose to do mock-ups before the actual installation. This enabled them to iron out several issues, such as the height of the flashing, the installation procedure, and how to

completed mock-up wall. A four-inch water column was put on the mock-up -- a lot of water -- and it held up flawlessly. The water wept through the embedded weep tabs, and everything

"The mock-up allowed the contractor to get used to the sys-

The structure has 500 linear feet of relieving angle per floor. During construction, a couple of other issues arose. The corners of the building have a five-foot, 45-degree splay. To accommodate the design, Mortar Net prefabricated the drip edges for the splays to eliminate cutting in the field. They also prefabricated the inside and outside corners.

Prefabricated pieces are much faster to install. Masons simply open the box, take out a panel, and then adhere and screw it into place, rather than handling and cutting rolls of flashing. Each five-foot, pre-assembled panel has everything built-in: termination bar, drainage matte for mortar droppings, edge dams, no-clog



weep tabs, stainless steel drip edge and clearly marked lap-joints for precise coverage.

"TotalFlash is a great concept and the crew took to it in no time," says Lerie. "They're getting along with it quite well. There's a definite savings in time."

Installation can be done quickly and methodically, and can even be done by one person, resulting in significant labor savings. Plus, all components are built-in, so there's no downtime waiting for separate items to be delivered. Mortar Net reports that builders have seen labor savings of 50 percent or more, compared to conventional moisture-control detailing.

"I've been around a while, and this is a great product," Lerie says. "It's easy to work with, and it's a very good solution to the

The project is ahead of schedule, and Potiyevsky attributes it to the masons and TotalFlash. "There was a slight learning curve on the first floor, but each successive floor is going smoother. The guys are really flying," he says. "This is a challenging project with demoing, relaying brick, starting from the top down, and it was a bear to scaffold. But everything's under control and figured out. We're getting the job done right, and ahead of schedule." IMAS

Michael Trunko is a writer specializing in construction-related topics. Since 1983, he has written more than 700 case studies and articles.



66LAN brought in a testing agency to test the system on the completed mock-up wall. A four-inch water column was put on

the mock-up — a lot of water — and it held up flawlessly. The water wept through the embedded weep tabs, and everything worked well. ??

Vlad Potiyevsky, Project Architect with LAN Associates

661've been around a while, and this is a great product," Lerie says. "It's easy to work with, and it's a very

good solution to the challenge we faced.⁹⁹

James Lerie, VP of Blade Contracting

www.masonrymagazine.com



Below is a partial list of **TOTAL**FLASH™ **Projects**

Adair County Judicial Facility	Columbia	KY
Asbury Towers	Asbury Park	NJ
Catholic School	Huntington	WV
Wal-Mart Supercenter Store	Cleveland	ОН
Condominium Restoration	Toronto	CANADA
Cottonwood Elementary School	Casper	WY
Eglin Air Force Base - Dormitory	Eglin AFB	FL
Federal Building	Shreveport	LA
Fresenius Medical Center	Salem	ОН
Gate City Bank		ND
Hampton Inn Hotel & Suites - Pool	Yonkers	NY
Hospice Medical Building/Inpatient Facility	Bowling Green	KY
Indian Hills Country Club/Club House	Bowling Green	KY
Landon State Office Building	Topeka	KS
Lincoln Memorial University	Harrogate	TN
Louisiana State University Medical School	Shreveport	LA
Various Custom Residences		

Minit Mart KY Nicholasville Minit Mart Greenville PT Harmony Elementary School Charleston WV Galena **Public Works Facility** Tyser Tower and Byrd Stadium MD Renovation/Expansion College Park South Central School Union Mills IN St. Patrick's Church Kansas City MO Stafford Hospital Stafford VA Teachers Credit Union Service Center Warsaw IN Trimble County Courthouse **Bedford** KY **Warsaw Teachers Credit Union** Warsaw Wilson High School Reading

40 Masonry September 2008 • www.masoncontractors.org

apartments and is located on the ocean in Asbury Park, N.J.

While the building was structurally sound, sections of the brick

ing Inc., based in Midland Park, N.J., has been retained to reengi-

neer the skin and spec out the project. The project also includes

mechanical upgrades to air conditioning and sprinkler systems as

well as interior upgrades, including new kitchens and bathrooms.

Karle, AIA, PE, and president of LAN Associates. LAN services

federal, state, county and municipal governments; housing authorities; boards of education; Fortune 500 companies; for-

The principal-in-charge and architect-of-record is Kenneth

Blade Contracting, of Staten Island, N.Y., is the masonry contractor. The company specializes in brick, block and waterproof-

After scaffolding the entire building, the brick on each floor is

"The demolition was the real challenge," says James Lerie,

VP of Blade Contracting. "On new construction, we start from

the bottom and work our way up. This job's different. We're

going from the top down, and it's a challenge. It's harder than

ing of new construction, high rises, and restoration work.

LAN Associates, Engineering, Planning, Architecture, Survey-

facade had begun falling off.

eign companies and private clients.

being removed and then replaced.

other projects."