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## **Wausau Provides Solar-Powered Curtainwall for Wal-Mart's Experimental Store Opening July 20 in McKinney, Texas**

Wausau, Wis. (July 2005) – Wausau Window and Wall Systems® teamed with Solar Design Associates and RWE SCHOTT Inc. to provide Trainor Glass with a building integrated photovoltaic (BIPV) curtainwall system on Wal-Mart Stores, Inc.'s new, experimental Supercenter at 2041 Redbud Blvd., 32 miles north of Dallas in McKinney, Texas.

Opened July 20, 2005, Wal-Mart communications have stated its “new store could profoundly change the way the retail industry designs, constructs, and manages facilities as it relates to environmental sustainability.” Designed by Arup’s San Francisco office to comply with U.S. Green Building Council’s Leadership in Energy and Environmental Design standards, the building’s performance will be monitored for three years at which time the results will be made public.

“Responsible citizenship means looking out for the environment. And today, we’re building more attractive and environmentally friendly stores, with skylights and energy-saving features.” Lee Scott, president and CEO of Wal-Mart Stores, Inc., told the company’s shareholders this June. Highlighting the McKinney store he compared the building to that of a laboratory “helping us learn the best ways to use wind and solar power in store designs, or the best ways to use recycled building materials.”

Wausau’s curtainwall systems are among trend-setting store’s innovative materials used on the retailer’s entrance and garden center. Working closely with Solar Design Associates (SDA) in Harvard, Mass., Wausau helped integrate its aluminum framing with SCHOTT’s glass and SDA’s wiring plan to create a seamless, glazed unit.

Steve Fronek, Wausau’s vice president, elaborates “Wausau brought to bear a unique combination of design and engineering disciplines to ensure a safe, code-compliant, facade-integrated, photovoltaic array that met the project’s unique power, aesthetic and installation requirements. At the same time, we ensured the weather resistance, structural integrity and performance standards recognized in all Wausau curtainwalls.”

According to Wausau’s engineer Tom Mifflin, the project’s BIPV curtainwall was tested and certified for safety by the Underwriters Laboratories Inc. (UL) and also complies with the National Electrical Code and Dallas and Collin County building codes. “SDA coordinated between our company and SCHOTT to ensure both UL recognition testing and listing tests were attained and that the integrity of the overall curtainwall system would meet Wal-Mart’s criteria.”

With the UL listing awarded for the retail application, Wausau manufactured and shipped its 8750 Series SuperWall and 7250 Series SlopeWall systems in 2.5- and 3-inch-wide, factory-assembled frames. Matching both the interior and exterior design schemes for the store, the frames were finished with environmental sensitivity by Linetec using a custom two-coat Kynar 500® on one side and anodized on the other.

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General contractor Turner Construction relied on Trainor Glass, Dallas, to install the finished frames and glazing units. "It was beautiful," praises Trainor Vice President Brian Clark and acknowledges the BIPV system's 9,500-square-footage was "fairly small for us, but it went quite well. Because Wausau developed it as a factory-assembled system, it was pretty simple to install. We could do about 50 lites a day installing the framing first with the glass following right behind and then pulled through all the wires. Once we were in the field, the whole thing took us about a month to install it."

The Wal-Mart store in McKinney, Texas is one of two experimental, environmental locations that the retailer is opening in 2005. The other is in Aurora, Colo.

***About Wal-Mart Stores, Inc.***

*Wal-Mart Stores, Inc. operates Wal-Mart Stores, Supercenters, Neighborhood Markets and SAM'S CLUB locations in the United States. Wal-Mart opened its first Texas store in 1975 and now operates 70 Wal-Mart discount stores, 236 Supercenters, 29 Wal-Mart Neighborhood Markets, 69 SAM'S CLUBS and 15 distribution centers in Texas and employs more than 143,000 associates in the state. The company's securities are listed on the New York and Pacific stock exchanges under the symbol WMT. More information about Wal-Mart can be found by visiting [www.walmartfacts.com](http://www.walmartfacts.com).*

***About Solar Design Associates***

*Solar Design Associates (SDA) is one of North America's oldest, largest and most respected building design firms dedicated to the artistic integration of solar energy in homes and buildings. Founded by noted solar advocate, designer and author, Steven J. Strong, SDA promotes solar energy and sustainable development by providing design, engineering, project management and technical support services to architects, electric utilities, private clients, and developers. For more information, please visit [www.solardesign.com](http://www.solardesign.com).*

***About RWE SCHOTT Solar Inc.***

*A pioneer in the design and development of complete solar power solutions, RWE SCHOTT Solar Inc. is North America's leading manufacturer and distributor of solar power components and systems. RWE SCHOTT Solar Inc. is a joint venture of the RWE Group, a global international multi-utility concern with core businesses in electricity, gas, water, waste management and recycling; and the SCHOTT Group, a leading international specialty glass manufacturer. The RWE and SCHOTT companies employ nearly 150,000 people worldwide. For more information, please visit [www.rweschottsolar.com](http://www.rweschottsolar.com).*

***About Wausau Window and Wall Systems***

*Nationally recognized for its innovative expertise, Wausau Window and Wall Systems is an industry leader in engineering window and curtainwall systems for commercial and institutional construction applications. For nearly 50 years, Wausau has worked closely with architects, building owners and contractors to realize their vision for aesthetic beauty and lasting value, while striving to maintain the highest level of customer service, communication and overall satisfaction.*

*Wausau is a part of Apogee Enterprises, Inc., a publicly held, U.S. corporation. For more information on Wausau Window and Wall Systems, please call (877) 678-2983, or visit <http://www.wausauwindow.com>.*

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