



An enormous, curved glass façade greets entrants of the gleaming new T-Mobile Arena in Las Vegas, adding another must-see structure to an already long list for the city.

A striking sight to behold, more than 30,000 square feet of cold-bent insulating glass units (IGUs) is a marvel of modern architecture and the first known project of such scale to be completed in the United States. Not just glass, the façade incorporates a state-of-the-art LED overlay, enabling the structure to not just make for a glamorous addition to the city, but to complement its striking mountain backdrop.

The design was brought to life by the New Jersey-based architectural glass fabricator J.E. Berkowitz, now a part of the Consolidated Glass Holdings (CGH) group, together with Crown Corr and glass supplier Guardian, among other partners. To help increase efficiency on this major, high-profile job, Crown Corr used an on-site, IG cold-bending technique while installing the glass.

It took planning, expertise and confidence to execute this large-scale project using this unique method, and it was accomplished, in part, with the inherent flexibility and performance provided by the Super Spacer® TriSeal™ warm-edge spacer technology from Quanex Building Products, implemented in J.E. Berkowitz's JEB 3Seal™ spacer system.

### Technical Details:

#### The Client

- Las Vegas Arena

#### The Architect

- Populous®

#### IG Fabricator

- J.E. Berkowitz

#### The Project

- Curved glass façade
- 30,000 square feet of cold-bent IGUs
- LED overlay
- Super Spacer® TriSeal™/JEB 3Seal™

#### The Contractor

- Crown Corr

#### Website

- [www.JEBerkowitz.com](http://www.JEBerkowitz.com)



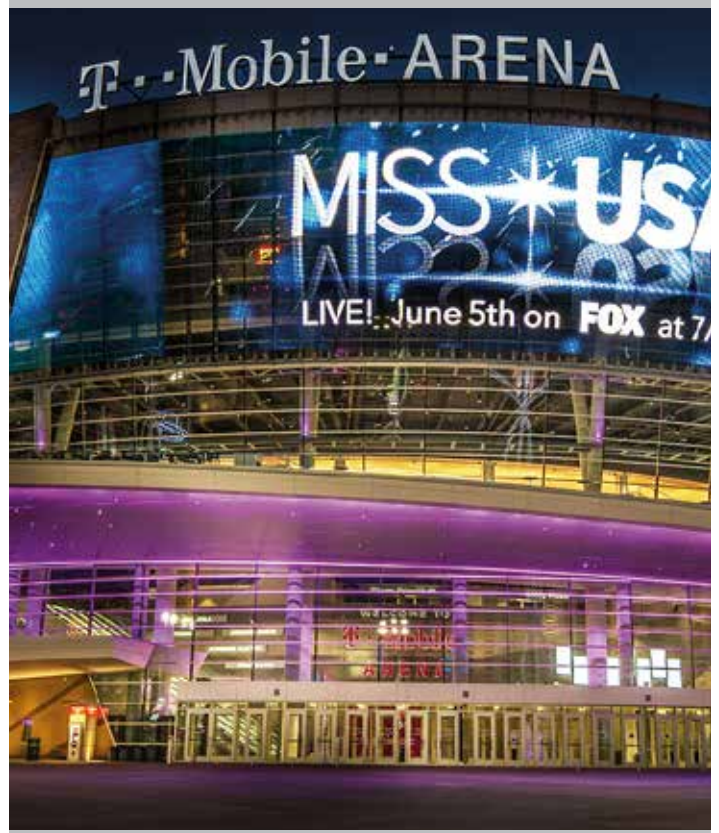
J.E. Berkowitz has utilized Quanex's warm-edge spacer technology for many of its high-performance products, including Super Spacer TriSeal/JEB 3Seal, as part of its newest and largest IG line installed over two years ago.

“ Working closely with Quanex is one of the ways we stay committed to bringing quality to our customers over everything else. ”

- Gary McQueen, Architectural design manager, J.E. Berkowitz

**“Using Super Spacer TriSeal on projects such as the T-Mobile Arena helps us improve our quality while optimizing the fabrication efficiency of each IGU unit, and the support we receive from Quanex is exceptional. Any questions we have, any challenge we must overcome, Quanex is there to offer their help and much more,” says McQueen**

For the entirety of the façade, Crown Corr worked with J.E. Berkowitz Winduo™ IGUs that arrived at the job site in flat, trapezoidal shapes. To work with the building and its designs, each piece needed to be cold bent individually, by hand. Every IGU used was unique, which took careful planning at every stage of the project. Traditionally, float glass is heated and formed into a curved mold to create most of the curved glass you see in buildings today. But with a history of innovation stretching back to 1920, J.E. Berkowitz worked with Crown Corr to implement the on-site cold-bending technique to realize the complex, unique design for a number of reasons.



**Overall, the completion of the T-Mobile façade was a true effort, with J.E. Berkowitz relying upon its strong relationships within the architectural community, its customers and its suppliers. Quanex offered a significant contribution through superior technology and product support.**