

Eide Industries, Inc.

# NEW INNOVATION ANNOUNCEMENT



# TENSION Structures.com

Division of Eide Industries, Inc.

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Innovation | Solution | Architecture

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## MACERICH Hotel Plaza, Tysons Corner, VA

After a successful fabric structure installation in Fresno, CA at the Fashion Fair Mall, The Macerich Company approached Eide Industries for a more challenging issue they were faced with at their Tysons Corner development. The renovations to the mixed use property would include a flexible design of the hotel plaza that could accommodate shade structures for the hot summer weather, but also complete removal for other seasonal entertainment amenities.

As you can see on the Macerich earth cam (right) <http://www.earthcam.net/projects/macerich/tysons/>, the canopies may be functioning on August 20th, 2014, but completely vanished on February 16th, 2015, with an ice rink in its place.

Eide Industries worked tirelessly to provide a solution for every feature required by the architects and owners:

- Lightweight components for ease of assembly
- Plug-n-play electrical wiring for canopy lighting
- Easy to disassemble fabric membranes
- Snow load engineering for fabric and frame
- Flush anchorage at deck after canopy removal

All of these items were incorporated into the design and it was delivered on time and under budget. The powder coated aluminum frame components weighed no more than 238 pounds each. Low voltage lighting allowed the network of electrical cords to pass through the interior of the frame. Turnbuckles and pin connections made it easy to remove the fabric membranes. Stamisol FT 381, the high strength PVC coated polyester mesh fabric from Serge Ferrari is available in dozens of designer colors, has a tensile strength to sustain heavy snow loads and is 28% porous to prevent water ponding. For the deck anchorage, an in-line base plate was designed with a sheet metal wrap to hide the attachment bolts.

