

# Guardian Solutions

Case Study Using Guardian SunGuard Advanced Architectural Glass

February 2014



## WAKE MEDICAL HEART TOWER & CHILDREN'S HOSPITAL

WAKE COUNTY, NORTH CAROLINA

### The Glass

Guardian SunGuard  
SuperNeutral 68

### Architect

BBH Design,  
Raleigh, North Carolina

### Guardian Select

Fabricator  
Oldcastle  
BuildingEnvelope,  
Atlanta, Georgia

### Glazier

Holston Glass  
Company Inc.,  
Kingsport, Tennessee

Home of the first children's hospital in Wake County, N.C., the Wake Medical Heart Tower & Children's Hospital added 185,000 SF to the main campus of Wake Medical Health & Hospitals.

The tower connects to the existing hospital in nine places and also houses a new main entrance and lobby for the hospital, an expanded pediatric intensive care unit, acute care beds, and shell space for future growth.

Architects are always looking for additional ways to make buildings more transparent. One way to accomplish this is by using point-supported glazings. Point-supported glass uses bolted fittings directly connected through holes that have been drilled in the glass. Because they are made up of more glass and decorative hardware, these buildings allow for improved transparency and

offer additional architectural opportunities in the detailing of the bolted connections. Increasingly popular in Europe, these exterior systems have continued to make inroads into commercial building design in the United States.

Guardian SunGuard SuperNeutral 68 was utilized by fabricator Oldcastle BuildingEnvelope for its neutral color, energy-saving performance and ease of fabrication. It is a heat-treatable coating protected by a temporary protective film during shipment and fabrication. The TPF has been designed so the fabricator can do much of the fabrication prior to removing the film for heat-treating, including cutting, drilling and edging. Without the TPF, the coating could easily be damaged. This is an advantage that Guardian offers that is unique to the SuperNeutral Series.

"During the design process the Guardian 3/8" SN68 soft coat product was the superior product of choice given the fact that it is so fabricator-friendly for drilling holes and polishing the edges," said Paul Mahedy, general manager, Oldcastle BuildingEnvelope. "It was and is our clear choice for our High Performance Insulated Glass Stackwall Product line."

BUILD WITH LIGHT



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ADVANCED ARCHITECTURAL GLASS

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