

CASE STUDY

NORTHSIDE HOSPITAL CHEROKEE CANTON, GEORGIA





When the new Northside Hospital Cherokee was commissioned, it was designed holistically to fulfill the expectation of being more than a conventional healthcare facility. Treatment and procedure areas took center stage, featuring six operating suites, 150 patient rooms, a 24-bed ICU unit and 45 emergency department exam rooms, as well as inpatient and outpatient radiology and cardiology departments. The hospital's Women's Center includes 13 labor and delivery rooms, two C-section rooms and multiple spacious birthing suites, which allow mothers and babies to bond in peace and quiet.

These impressive facilities presented the challenges of creating an environment that optimized thermal performance, controlled acoustics and contributed to occupant well-being with the help of large expanses of natural light. By increasing patients' comfort levels and reducing the stress from being in a hospital setting, the environment was designed to benefit both patients and the hospital's healthcare providers.

Equally as important as the interior, the exterior of the building was designed to connect with both the community and surrounding foothills of the Appalachian Mountains.

As a pioneer in the Healthcare building sector, Kawneer provided solutions that maximized natural light and ventilation, optimized acoustics, enhanced occupant comfort – for both patients and healthcare workers – and provided energy-efficient and sustainable solutions.

Architect: Howell Rusk Dodson, Atlanta, GA

Glazing Contractor: Tuxedo Glass & Mirror Company, Inc., Ball Ground, GA

General contractor: Batson-Cook Construction, Atlanta, GA

Photography: © Dan Schwalm

A MODERN HOSPITAL CREATING A LEGACY FOR ITS COMMUNITY

Focused on more than creating an impressive structure, the designers recognized the significant impact the hospital would have on its patients, healthcare providers, visitors and the surrounding community.

Kawneer solutions were utilized throughout the hospital to fulfill the requirements of maximizing natural light levels.

The use of expansive windows helps connect the building's interior to the outside, and with the windows' reflective qualities, the healthcare facility sits comfortably in its surrounding landscape.





CHALLENGES

- The building required energy efficiency without compromising patient and healthcare provider comfort and well-being.
- Solutions had to be robust, while maximizing natural light and tying together the modern and natural materials in the hospital's design.





SOLUTIONS

- Kawneer provided 1600UT System™1 Curtain Wall along with Versoleil® SunShades for distinct aesthetics, maximum shading and energy-saving properties.
- 350 Medium Stile Entrances were chosen for their ability to stand up to the rigors of constant use.
- Trifab® 400 Framing System and Trifab VersaGlaze® 451/451T Framing Systems complemented the modern and natural aspects of the hospital's aesthetic.

To learn more about how Kawneer products create the best environment for patients and caregivers in the Healthcare sector, visit Kawneer.com.

PRODUCTS USED

- 1600UT System™1 Curtain Wall
- Versoleil® SunShade – Outrigger System – for Curtain Wall
- 350 Medium Stile Entrances
- Trifab® 400 Framing System
- Trifab® VersaGlaze® 450 Framing System
- Trifab® VersaGlaze® 451/451T Framing System