

Vision Control® Louvered Glazing Units for Optimal Patient Privacy

Sidra Medical and Research Center, Qatar

The Sidra Medical and Research Center (Sidra) is an ultra-modern medical, research and education institution that focuses on the health and wellbeing of women and children in Doha, Qatar. The nearly 400-bed hospital is divided into three “hospitals within a hospital” that focus on children’s health, women’s health and adult acute care.

Sidra Medical Center is setting new standards in patient care for women and children in Qatar and offering unique and unprecedented opportunities for world-leading health professionals to be pioneers in the discovery and advancement of patient care. The new facility is all-digital, incorporating the most advanced information technology applications in its clinical, research and business functions.

Sidra is funded by a US\$7.9 billion endowment from Qatar Foundation, the largest endowment of a medical and research center anywhere in the world. Sidra is located in Doha on Qatar Foundation’s 2,500 acre Education City campus. It is expected to expand from 400 to 550 beds in subsequent phases.





The Solution

Working with Framaco International, a leading U.S.-based construction management and procurement services firm, Unicel's Vision Control® solution was selected after a careful consideration process. Vision Control® is a patented, hermetically sealed glass unit combining louvers within glass that can be customized to virtually any shape for interior or exterior healthcare glazing applications. Its advanced louvered glazing technology eliminates strings, ensures alignment, requires no maintenance and provides the ideal privacy solution for ICUs, operating rooms, nurseries and more.

Sidra now features over 200 Vision Control® units in patient areas. The inpatient rooms are organized around three healing garden atria. The atria include the Vision Control® units to ensure privacy and filter and soften the strong sunlight.

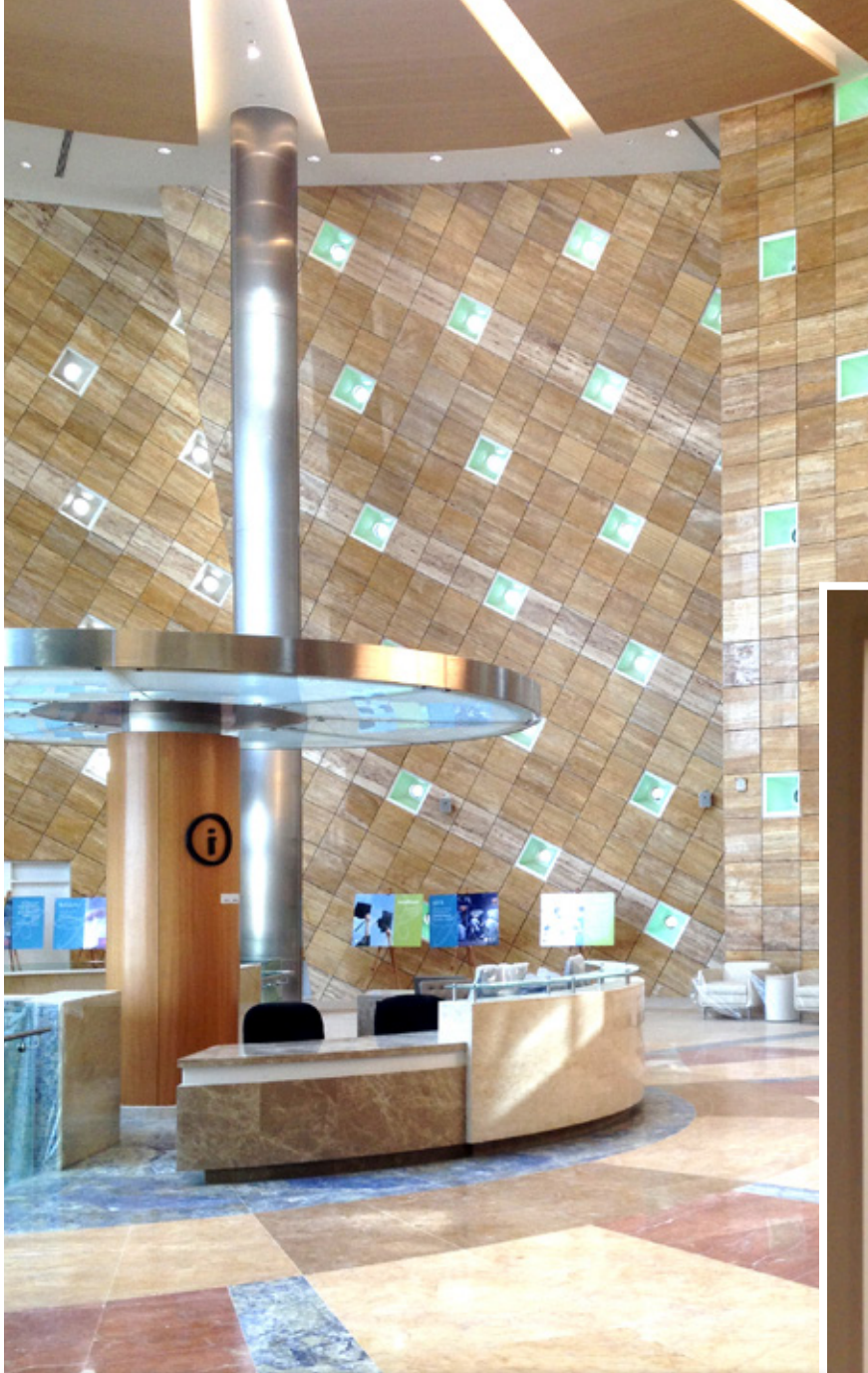
The Challenge

Sidra designers wanted to ensure special considerations for patient privacy throughout the facility. Interior windows and doors needed to feature adjustable privacy options to accommodate both the requirements for patient privacy and for medical personnel to be able to monitor patient activity effectively. Designers also wanted to be able to control the impacts of sunlight in atria areas.

Project details include:

- Vision Control® Mini with fan-shaped thumbwheels for one-sided operation, installed in both the clinic and hospital.
- About half the units with 1 ¼" (31.75mm) thick airspaced Vision Control® Minis, factory-glazed with custom-painted door trims for installation into 1 ¾" (44.45mm) thick doors.
- The remaining units with 1" (25.4mm) thick airspaces for windows and sidelights featuring custom-painted glass stops (both standard type and customized type stops).





"For us, it was critical to work with a manufacturer who had many years of experience and the technical understanding of the complexity of this challenging architectural initiative. Together with Unicel, we ensured delivery of the best privacy and shading products for this high profile project."

Gilles Kacha, CEO, Framaco International



Participants	Architects	Ellerbe Becket /AECOM & Pelli Clarke Pelli Architects New York, NY
	Sub-contractor for Architectural Doors & Hardware	Framaco International New York, NY
	Integrated Louvers	Unicel Architectural Montreal, Canada

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