

Cortellucci Vaughan Hospital:

Delivering best-in-class healthcare to the community



Photography: Tom Arban Photography Inc.

A hospital specifically designed to deliver safer, more effective, and more comfortable care, Cortellucci Vaughan Hospital creates positive patient outcomes through a mix of technology and design.

Expanding Access to High-quality Care

As the first 'smart' hospital in Canada, and the first new hospital to be built in Ontario in over 30 years, the Cortellucci Vaughan Hospital features fully integrated smart technology systems and medical devices that can speak directly to one another to improve patient care. As part of Mackenzie Health System, the new hospital adds capacity and expands access to care for the community it serves.

Designing a Comforting Experience

To support positive patient and staff experiences, architectural elements, light, color and furnishings combine to create a calming atmosphere that extends to every corner of the building. Landscaped walkways from the parking lot create a sense of welcome. The lobby and

atrium are light, bright and airy and feature floor-to-ceiling windows that connect interior views to the walkways outside. Curvilinear upholstered couches and benches in a variety of configurations are soft, colorful, inviting people to gather or sit in quiet repose. Warm oranges and cooler blue textiles are featured on the furniture to reflect the changing color of light that filters into the interiors and shifts from sunset to sunrise. All patient rooms are private with large windows, and feature comfortable recliners and sleepers to accommodate those who wish to stay overnight with their loved ones. Each room includes a washroom and has a view to the outside, including green roofs. Together, these elements create an experience that puts people at ease from the moment they approach the hospital to the time they leave.

Ensuring Transparency to Make the Right Choices

The Cortellucci Vaughan hospital spans 11 stories and 1.2 million square feet of acute care services, including; Woman and Child, Inpatient Mental Health and Inpatient Integrated Stroke, along with staff and administration offices. When furnishing space of this size and



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complexity, it was essential for the Cortellucci team to work with a partner that could help them arrive at a furniture standards program that meets all their needs, simply and seamlessly. The key to establishing this furniture program was the development of a set of universal criteria to measure the furniture choices against. Towards this end, an Internal Standards Committee was established. Comprised of key user groups—including medical and nursing practitioners, patients, health and safety along with cleaning and maintenance personnel—the following criteria was defined: IPAC (can it stand up to rigorous cleaning and disinfecting protocols), health and safety (does it support patient and staff mobility and help mitigate injury), materiality (does it feel comfortable, is it enduring and is it attractive) and price (does it deliver value over the long-term). Developed to ensure the best result, the criteria were not biased to favor any one manufacturer but rather challenge them at every important step. The committee was then able to independently evaluate and decide whether furniture met the criteria based on where and how it would be used (application). After a year of evaluations, the product standard was finalized. Consisting of a concise number of carefully curated products that can be maintained and repaired on-site, the furniture standard was robust enough to meet all applications. The initial investment in this standard will ensure the relevance of the product as well as saving the hospital time and money over the long-term.

Managing Complexity in Unprecedented Times

Undertaking a project this size is complex under normal circumstances, but add in COVID-19 and there were additional challenges to overcome. Dividing each of the 11 floors into 88 quadrants, Global's installation team coordinated with the Hospital's contractor and other

essential equipment suppliers to deliver the furniture. A total of 48 tractor-trailers were delivered at night with installation undertaken during the day. The 60-person installation team was divided into separate crews for COVID-19 protocols. In addition to PPE, each crew member wore color-coded safety vests with numbers on the back, allowing the installation of each product to be accurately tracked to the exact installer.

To assist with approvals, drawings that included item numbers and colors were affixed to each room, allowing Cortellucci Vaughan to quickly review each area for sign-off. By custom tailoring the process to the hospital's needs, site conditions and policies, 8,500 pieces of furniture were installed successfully, with only four pieces damaged and replaced. Proof positive that complexity, when managed thoughtfully, can be translated into an environment that simply performs.

By the Numbers

- 11-stories, 1.2 million sq. ft., 353 beds (all private with the capacity to expand to 500), \$1.3B budget
- 8,500 pieces of furniture, 12 months of planning and specifying, 6 months logistical planning
- 12 weeks installation, 48 tractor trailers, 4 pieces damaged

DESIGN

Stantec Architecture & Interior Design

FEATURED PRODUCTS

Coast glider	Primacare HT seating
Dreme sleeper	Primacare Modular seating
Global Accord seating	River+ seating



