High Performance LOUVERS
for High Performance
CURTAIN WALL SYSTEMS
A significant portion of CS Louvers are installed within curtain wall openings. To streamline the installation process, CS designs our louvers to mate with your curtain wall using glazing frames that fit each specific system. These custom frames also ensure that the integrity and performance of the façade is not compromised.

CS has not only developed many new glazing frame designs to provide a watertight installation – we have also built an ASTM E331 chamber to test for leaks before our louvers are shipped out. The ability to do in-house testing aids in Quality Control and Quality Assurance, as well as allowing immediate access to test results for developing new sealing methods. This iterative testing process contributes to a better philosophy and strategy in designing our framework and sealant interfaces.
Bjarke Ingels Group’s (BIG) first project in New York, Via 57 West, is a study in geometry. Three corners of the very unique residential structure are low facing the Hudson River, while the fourth rises to almost 500 feet. What starts at the bottom as a square based pyramid curves in with two faces blending to end at the top with only three sides. A twisted rectangular cutout opens up the middle of the building to create an open courtyard which allows for views of the river from the balconies and more access the fresh air and sunlight for residents.

Riverfront exposure requires weather protection from swift winds without compromising airflow or the building’s aesthetic. Construction Specialties designed custom high performance Storm Resistant Louvers to be installed above the first floor curtain wall and integrated into openings throughout the 353,000 square feet of curtain wall wrapping the pyramid’s staggered, steeply sloped façade. Specially designed pressure plate glazing frames mate the louvers to the curtain wall, creating a watertight seal.
Visit 855 Avenue of the Americas in Manhattan and you will see a building clad in glass curtain wall, with subtle bands of silver wrapping the top and bottom. This design feature provides an airflow solution you can’t see. Structural silicone glazed to integrate perfectly with the curtain wall system, CS PL-5700 Storm Resistant Louvers work behind the scenes. This proprietary, fully concealed louver system tested in accordance with BSRIA standards for air performance and water penetration can be trusted to perform without being in the spotlight.
Northwestern Medicine
Two sides structural silicone glazed, two sides pressure plate glazed

Architectural precast concrete, limestone, glass curtain wall, louvers and aluminium panels all make up the exterior of the new Lavin Family Pavilion at Northwestern Medicine. The hospital combined the look of the facility’s iconic brand with a lighter aesthetic for a modern, fresh appearance that fits in with the existing buildings. Alternating vertical panels of glass and CS Drainable Louvers are set between precast sections. The louvers sit in custom frames designed for a watertight installation.
The Lurie Children's Hospital's whimsical façade is made up of curtain wall, architectural concrete precast, punched windows, architectural louvers and metal panels. All these parts need to work together as a single, high performance system. CS Storm Resistant Louvers' glazing frames are engineered to be fully integrated into the curtain wall and provide a seamless exterior. The louvers fit in so well that it is hard to distinguish them from the linear design of the curtain wall and the windows that some of the louvers mimic.
The Wave at Stadium Place, a high-rise apartment building that overlooks CenturyLink Field, home of the Seattle Seahawks, gets its cool zippered look from custom-modified Construction Specialties A2097 drainable louvers. Featuring closely spaced horizontal blades with built-in head and sill reveals at the stack joints, the louvers create a tight, clean profile all the way up the building. We customized the perimeter framing to fit a curtain wall system of floor-to-ceiling windows that offers an end-zone to end-zone vista of the playing field.
Construction Specialties’ Project Locator for Louvers, Grilles and Sun Controls will serve as your pocket guide for details, specifications, directions, imagery and installation photos. If you ever wanted to see the nearest building to you, with Construction Specialties’ exterior products installed, then this app is for you. Available on the Apple App Store or the Google Play Store.

Call us toll free, 800.631.7379 for CS Louvers, Grilles & Sun Controls brochures.