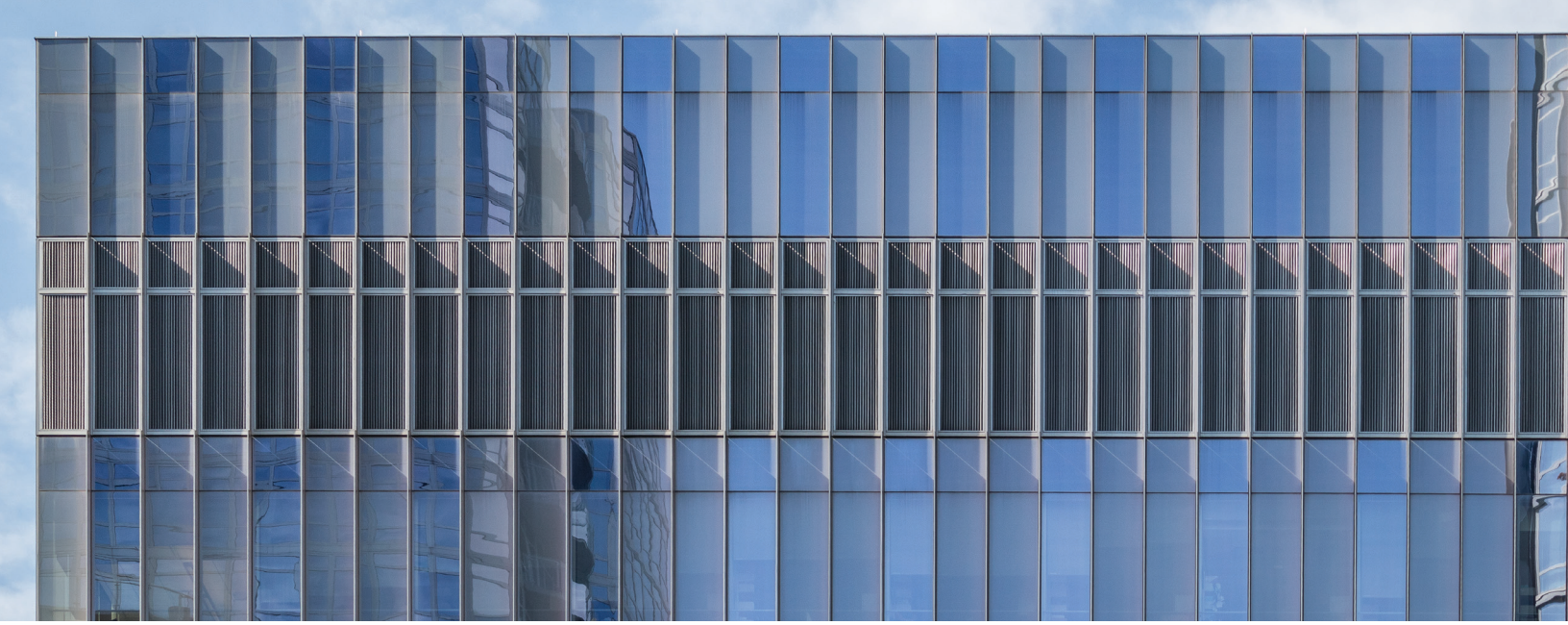
Construction Specialties®

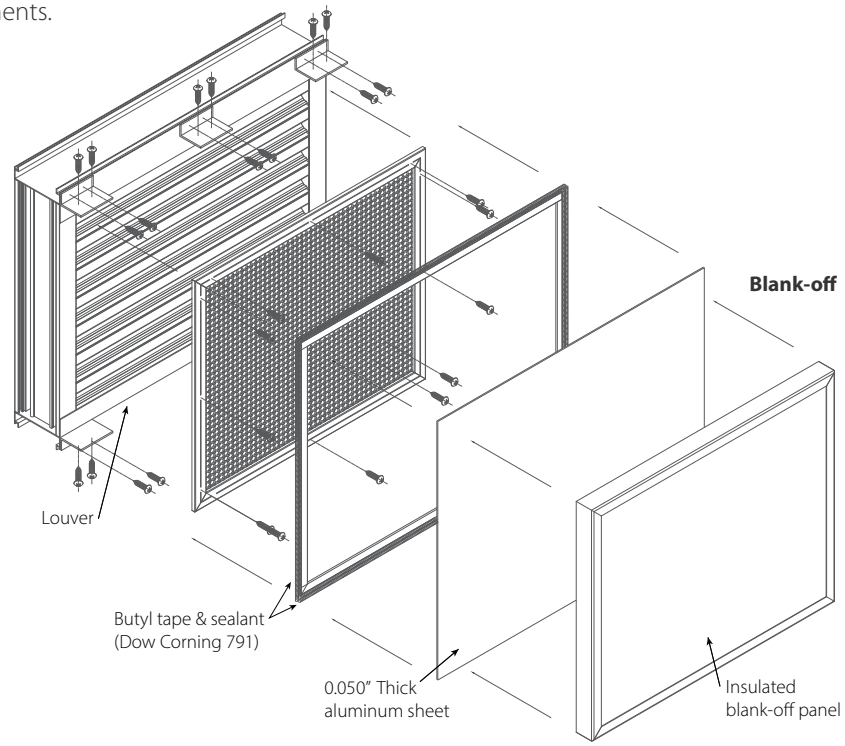
High-Performance Louvers

FOR HIGH-PERFORMANCE CURTAIN WALLS



Blank-offs; performance behind the screens.

CS Blank-offs are an excellent solution for architects and designers who frequently need more louvered space when 100% airflow is not required. Architects often select blank-off panels to cover the inactive portions of a louver as a simple way to mitigate air and water from coming through non-ducted areas. Essentially, blank-offs close off spaces that would otherwise be open. Ductwork captures the air coming into the active area but the total louvered area exists across ducted and non-ducted zones. Paint Blank-offs black so that the active and inactive areas are visually indistinguishable from one another when viewed from the exterior. Our custom fabricated, insulated blank-off panels are factory sealed and quality tested. Each louver will have an independent 0.050" aluminum sheet with butyl tape and weather silicone comprising the primary air and water seal between the blank-off and louver frame. Insulated blank-off panels will then be fastened through dry areas of the louver framing wherever possible to not interfere with this primary seal. Plus, we make the panels of a naturally fire-retardant material with an R-factor of 4 per inch. Typically, blank-off panels range in size from 1-3" deep but can be made larger upon customer and project requirements.

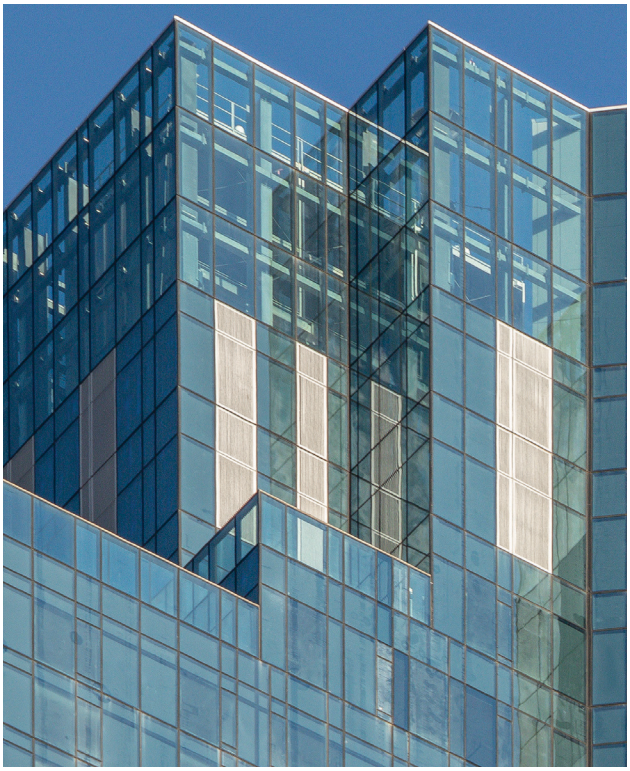


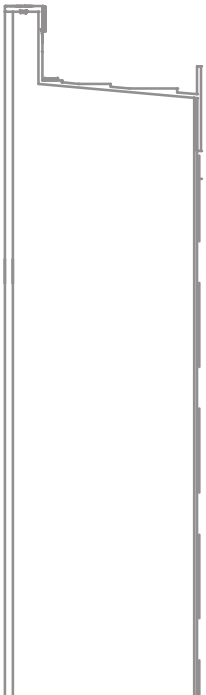
99 Hudson

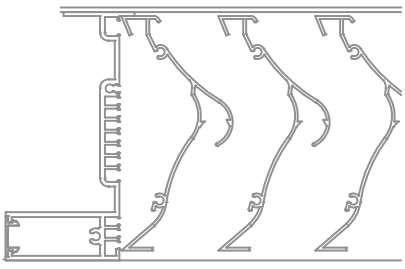
Standing 79 stories tall, this complex is the tallest building in New Jersey. Clad in sleek glass and limestone, this luxury skyscraper incorporates Construction Specialties RSV-5700 Storm-resistant Louvers with custom border frames that shipped off-site to be unitized into the curtain wall. CS provided cut outs to accommodate pipe penetrations and notching to fit over the curtain wall mullions. In partnership with Perkins Eastman we arrived at a model that met their performance and aesthetic needs, and subsequently with the customer to develop specific extrusions for their curtain wall members. Street-level storefronts feature inviting, oversized windows, accent metal frames, and louvers painted in multiple custom colors, some of which are 3-coat metallic finishes to stand out amongst the rest of the façade. Additional louvers accent the aesthetic on the first few curtain wall floors, roughly 60% of the way up the tower and at the penthouse level.

99 Hudson

Location: Jersey City, New Jersey
Architect: Perkins Eastman Architects, P.C. (New York, NY)
CS Products: RSV-5700 Storm-resistant Vertical Continuous Line Louver







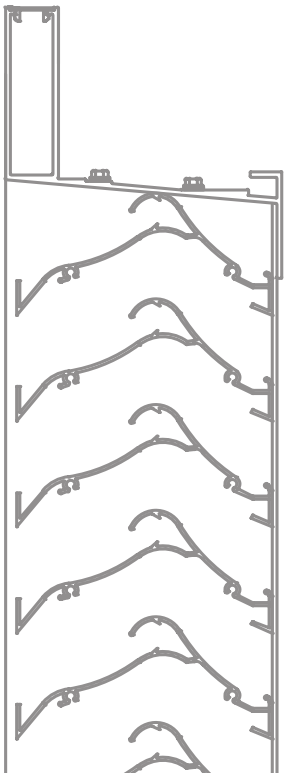
RSV-5700

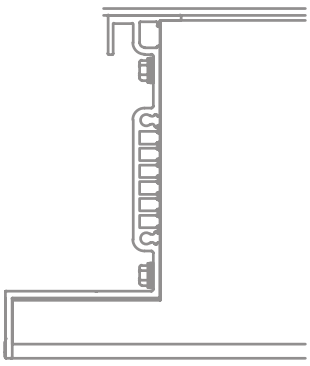
412 West 15th St.

Location: New York City, New York
Architect: CetraRuddy, Inc. (New York, NY)
CS Products: RSH-5700 Storm-resistant Horizontal Mullion Louver

412 West 15th St.

The building at 412 West 15th street, NYC, stands across the street from Chelsea Market. The 18-story office building features a tall glass façade and dark metal panels with textured geometric panels. Construction Specialties Storm-resistant architectural louvers with horizontal blades were custom framed and notched to fit over the curtain wall mullions to hide as much exposed frame as possible. In addition to customizing the louver framework, we custom fabricated high-performing insulated blank-off panels for the rear of the louvers, which were factory sealed and quality tested to ensure an adequate air and water seal. Architectural louvers accent the design mainly at the top of the building, with some smaller ones placed at the bottom retail area. This structure takes advantage of the uninterrupted scenery over much of Manhattan.



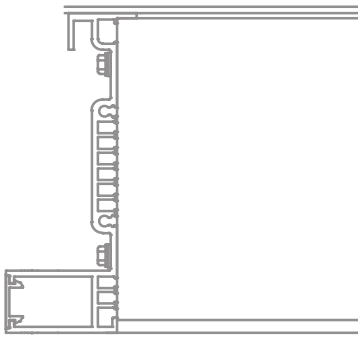


RSH-5700

181 Fremont

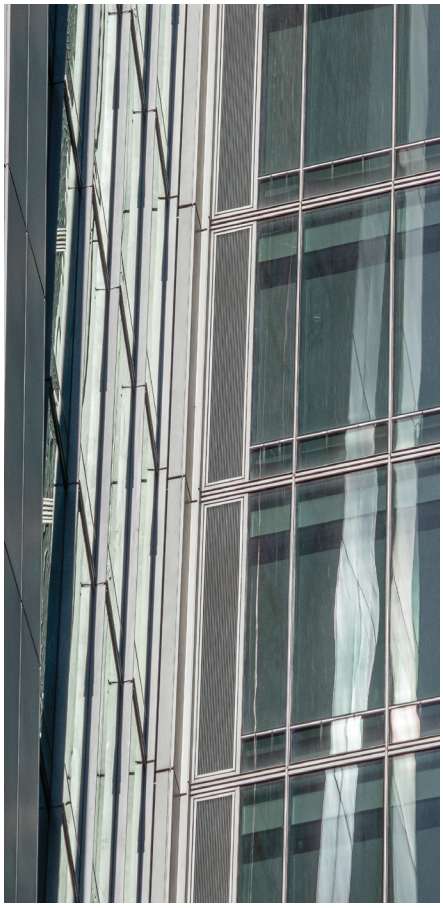
Location: San Francisco, California
Architect: Heller Manus Architects (San Francisco, CA)
CS Products: RSH-5700 Storm-resistant Horizontal Mullion Louver

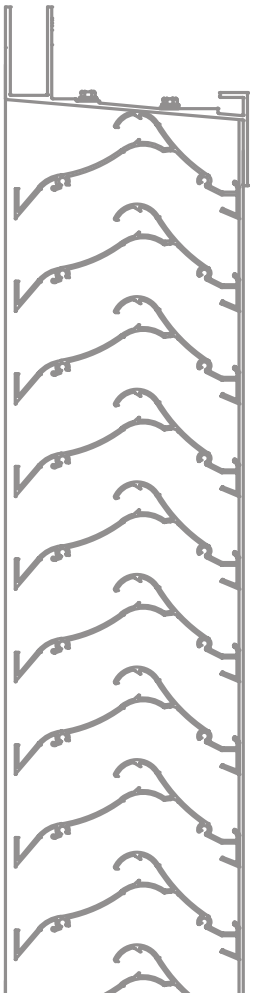
RSH-5700



181 Fremont

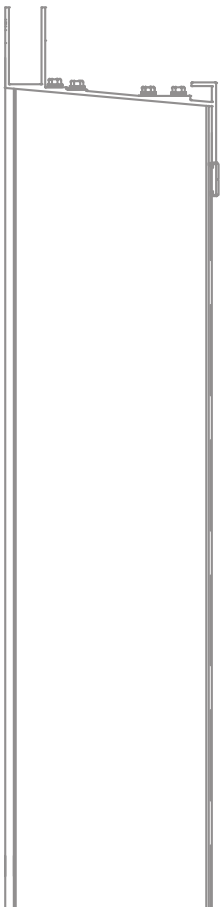
As a residential condominium complex commanding a record-breaking $15 million for the Penthouse, the exterior design is equally as important as the interior design. The property's exoskeleton, a high-strength steel structural system, was designed to allow for column-free interior floor plans. The building includes 400' high vertical bands of louvers running up the North and South elevations. Construction Specialties collaborated with the customer and tested the entire curtain wall assembly, which consisted of multiple components that worked in conjunction with the louvers, thus performing as a single unit. Using our in-house AMCA certified louver testing chamber, we created this real-world mockup that provided project-specific results to ensure acceptable louver performance. Custom cladding surrounds the louvers making color matching essential.





Heschel School

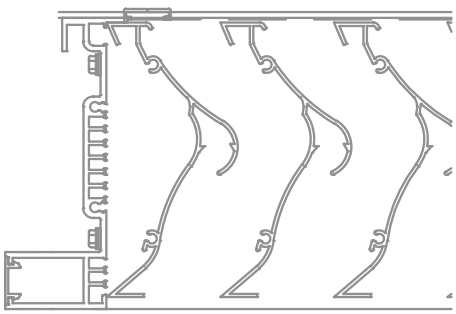
The Abraham Joshua Heschel School is a $70 million nine-story building located in a developing urban neighborhood on Manhattan's West Side and includes an Early Childhood Center, Elementary and Middle Schools, and is integrated with the adjacent High School to create a unified campus. Construction Specialties RSV-5700 Storm-resistant, vertical continuous line louvers were placed on the first and top floors to meet performance and aesthetic requirements. The louver frames were customized to seamlessly integrate into the building's high-performance curtain wall system. The project obtained a LEED gold rating with attributes such as green roofs, energy-efficient HVAC systems, and building materials that were recycled and sourced locally.



Heschel School

Location: New York City, New York
Architect: Gruzen Samton LLP (New York, NY)
CS Products: RSV-5700 Storm-resistant Vertical Continuous Line Louver
LEED: Gold

RSV-5700



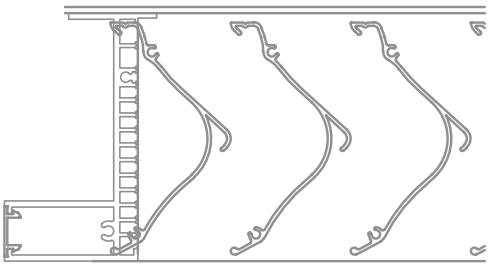
River Point Plaza

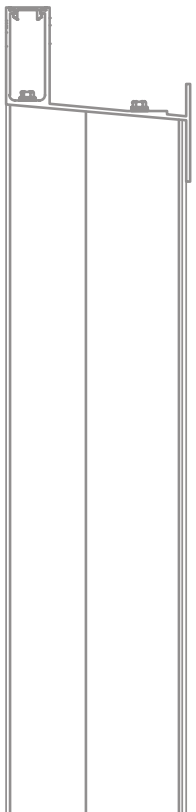
Location: Chicago, Illinois
Architect: Kendall Heaton Associates (Houston, TX)
CS Products: RS-4605 4" Storm-resistant Vertical Mullion Louver

River Point Plaza

River Point Plaza is a 55,000,000 square-foot public park and riverfront area in downtown Chicago. The Plaza descends to the famous river walk and extends to the river bank through landscaped terraces and ramps. The unique recreational space carries up into a large arch in the façade of the building that features Construction Specialties Storm-resistant, vertical blade louvers cut into irregular shapes to accommodate the arch's curve, thus becoming a building feature in addition to providing performance. The RS-4605 is also scattered throughout the 4th to 9th and 10th floors. Some of the louvers required factory-installed insulated blank-off panels to close off the inactive openings to aid in resisting moisture and contribute an insulating value. Louvers fill the thin curved band at the crown of the building and are strategically placed throughout the 53rd floor, protecting from severe storms that bring wind and water.

RS-4605





Construction Specialties®

CS creates products that solve complex building challenges around the world:

- Acrovyn by Design®
- Acrovyn® Doors
- Acrovyn® Wall Covering + Panels
- Acrovyn® Wall Protection
- Specialty Wall Panels
- Architectural Grilles + Vision Barriers
- Architectural Louvers
- Cubicle Curtains + Tracks
- Entrance Flooring, Mats + Grids
- Anti-fatigue Mats
- Expansion Joint Covers
- Explosion + Pressure Relief Vents
- Sun Controls

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