

Preliminary Facade Materials Presentation

Brian Manrique

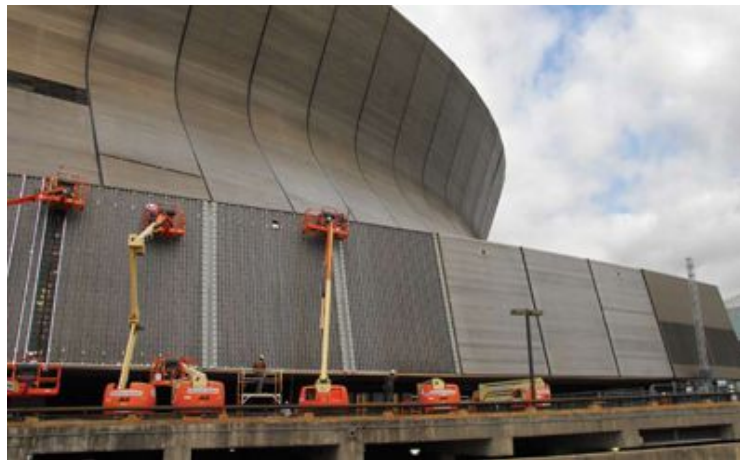
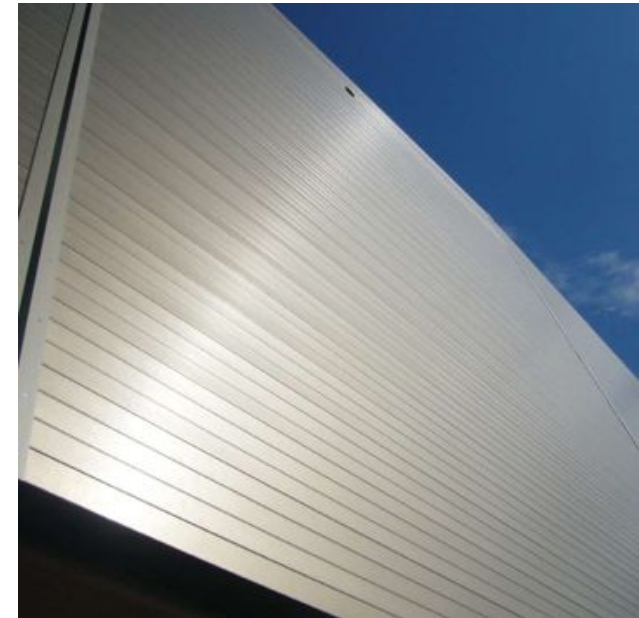
Building Tech 3

Arch 2431 Professor King

Team Members : Dominik and Hubert

Opaque Material :
Kalzip Rainscreen
system

Case Study : Louisiana
Superdome, New
Orleans



The system in detail

Kalzip FC rainscreen system

Panels

Delivery options

- 1 FC panel
- 2 FC corner panel
- 3 Micro-rib surface (FC 30/400 only)
- 4 Perforation Rv 3-5
- 5 Perforation Rv 6-8
- 6 FC panel luminaire

System sub-construction

Variants

- 7 Mono click bracket
- 8 SEL modular click rail
- 9 NE modular click rail
- 10 SE modular click rail

System accessories

Parts and components

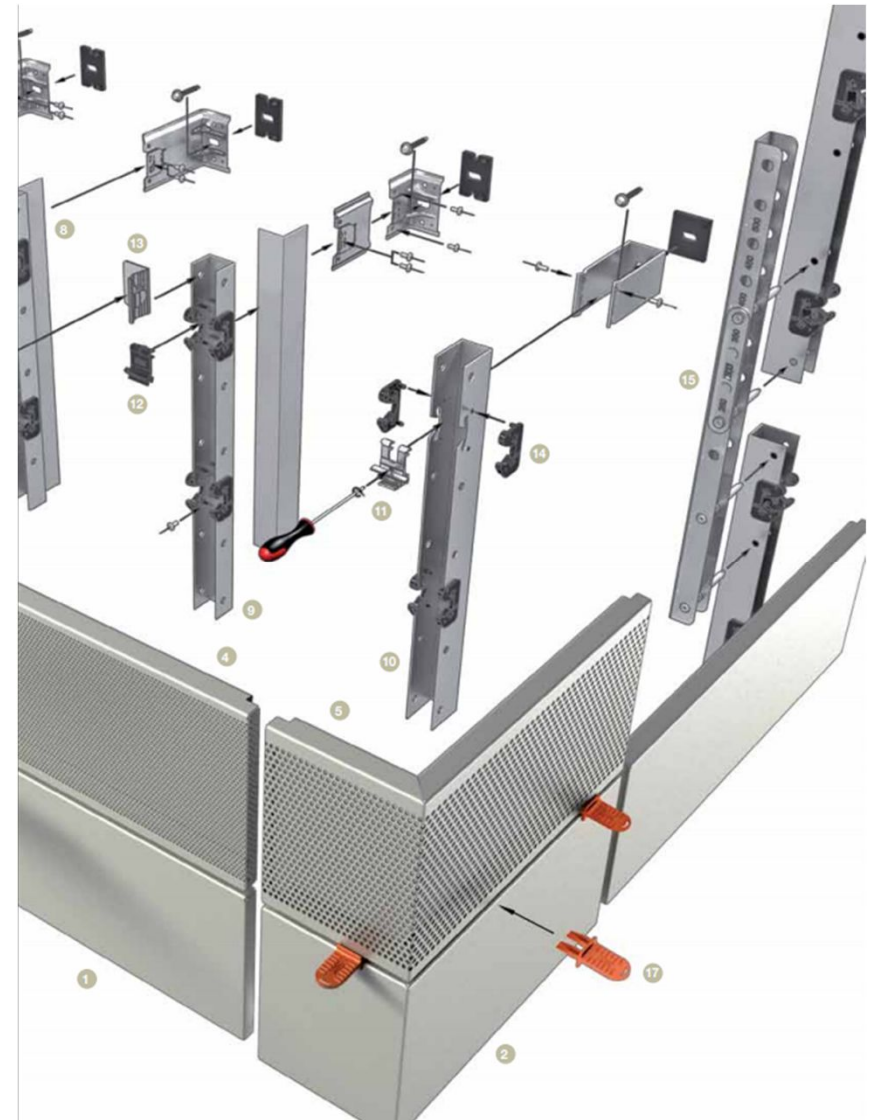
- 11 Fixed point clamp
- 12 Guiding snapper
- 13 Flashing support
- 14 Plastic inlays
- 15 Setting out tool
- 16 Panel removal tool
- 17 Plastic wedges

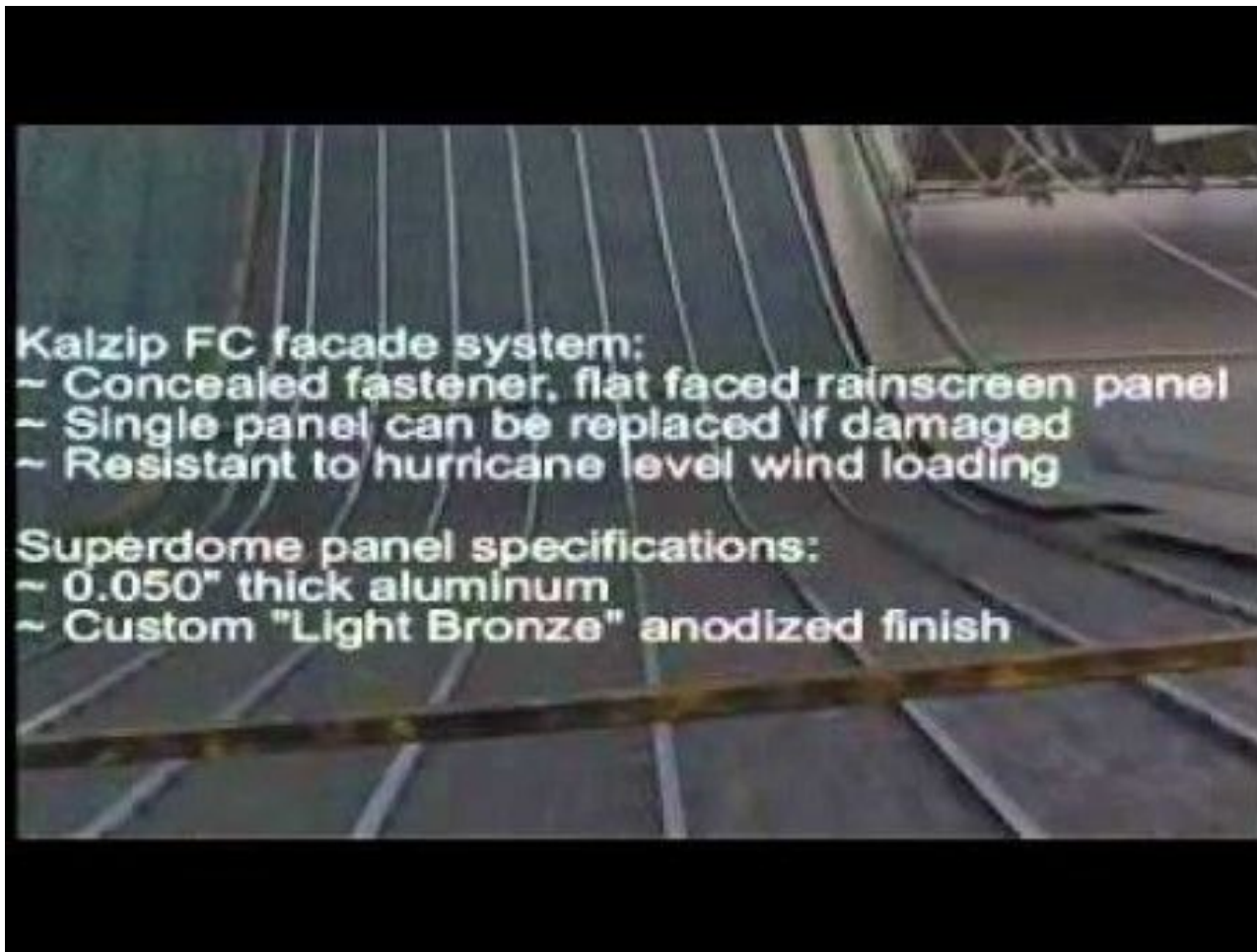


System depth with mono-click bracket, NE and SEL modular click rail



System depth with SE modular click rail





<https://youtu.be/fTxb2fhDKr0>

Glass Curtain Wall
Material: Hybrid
Wall Curtain wall
system

Case Study : 1269
Lexington Avenue



HYBRID-WALL®

HYBRID-WALL® by Sota was developed as an alternative to traditional window wall systems. Window walls are typically limited in their architectural aesthetic and performance capabilities. HYBRID-WALL® has greater flexibility in design to allow for larger expanses of glazing, flush external appearance (capless framing), and a variety of features and infill materials.

In addition to design versatility, HYBRID-WALL® provides the exceptional weather and seismic performance of a pressure

equalized, unitized rain screen curtain wall. The distinguishing feature of Sota's HYBRID-WALL® is its ability to install between floor slabs like a standard window wall, while maintaining the superior performance of a pre-glazed, unitized curtain wall.

HYBRID-WALL® is notched around the floor slabs, and allows the use of glass spandrels at the slab edge in lieu of metal panel covers. Because it is a true unitized curtain wall system, it employs a horizontal

expansion assembly incorporating silicone gaskets. This renders the typical sealant joints between floor slabs and a window wall system obsolete.

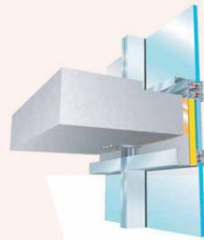
HYBRID-WALL® has fully integrated fixed and sliding anchors incorporated into the slab edge design. This insures ease of installation while allowing for construction slab tolerances and vertical live load movement between floor levels.

Superior product. Superior performance.

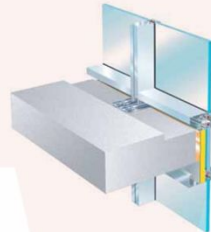
hw

SOTA WALL

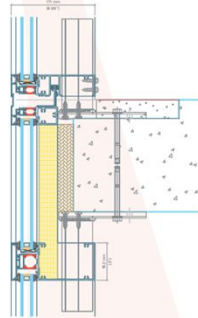
3D IMAGE OF SLAB EDGE ANCHOR DETAIL HYBRID-WALL® UNDERSIDE OF SLAB



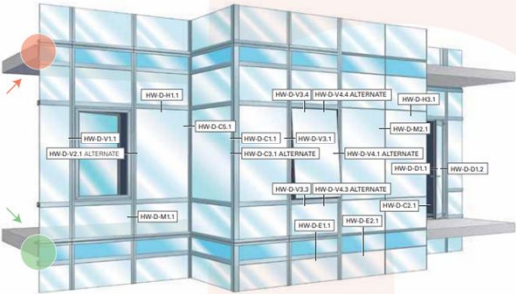
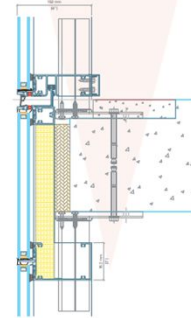
3D IMAGE OF SLAB EDGE ANCHOR DETAIL HYBRID-WALL® TOP OF SLAB



HW-D-E1.1 EXP. JOINT / ANCHOR DETAIL CAPPED MULLIONS

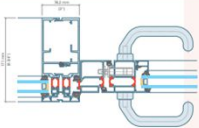


HW-D-E2.1 EXP. JOINT / ANCHOR DETAIL 4 SIDED SILICONE MULLIONS

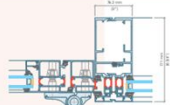


VISION AREA SPANDREL AREA

HW-D-D1.1 JAMB DETAIL AT BALCONY DOOR



HW-D-D1.2 JAMB DETAIL AT BALCONY DOOR



SOTA WALL

HW-D-H1.1 4 SIDED CAPPED HORIZONTAL AT VISION



HW-D-H3.1 4 SIDED SILICONE HORIZONTAL AT VISION



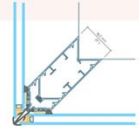
HW-D-M1.1 4 SIDED CAPPED MULLION AT VISION



HW-D-M2.1 4 SIDED SILICONE MULLION AT VISION



HW-D-C3.1 SILICONE CORNER MULLION



HW-D-C5.1 CAPPED INSIDE CORNER MULLION



HW-D-C1.1 CAPPED CORNER MULLION



HW-D-C3.1 CAPPED CORNER



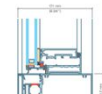
HW-D-V1.1 VENT. JAMB DETAIL (OPENING TO INSIDE)



HW-D-V3.1 VENT. JAMB DETAIL



HW-D-V2.3 VENT. SILL DETAIL



HW-D-V4.4 VENT. HEAD DETAIL (WITH CONT. TOP HINGE)



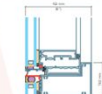
HW-D-V2.1 VENT. JAMB DETAIL (OPENING TO INSIDE)



HW-D-M1.1 VENT. JAMB DETAIL



HW-D-V4.3 VENT. SILL DETAIL



HW-D-V4.4 VENT. HEAD DETAIL (WITH CONT. TOP HINGE)

