



## Specifications

**Project:** Rocket Mortgage Fieldhouse  
**Application:** Facade  
**Location:** Cleveland, OH, USA  
**Size:** 1,000,000 ft<sup>2</sup> / 93,000 m<sup>2</sup>  
**Architect:** Skidmore, OWing & Merrill Architects

## Novum Systems

### Structural

**AES:** The facade structure consists of painted HSS12x3 rectangular steel sections. The HSS members support the wind load on the wall and span between main building arches.

**TR:** Stainless steel tension rods span between horizontal steel members behind the vertical glass joints. The tension rods carry the dead load of the entire glass and steel facade to support brackets in the roof.

### Glazing

**ECG:** Edge clamps support the glass panels along the horizontal glass joints with a concealed stainless-steel toggle. The toggle supports the glass within an aluminum channel built into an airspace of the insulated unit. The glazing is typically 10' wide and spans 7' from horizontal steel to horizontal steel with a largest height with a span of 9'-2". Due to the long spans, the glass is an insulated laminated unit. The glass also has a bird friendly frit to allow the transparent wall to be noticed by migratory birds that travel the Great Lakes.

## Design Solution

Novum was contracted to engineer, fabricate and install the stunningly transparent facade for the renovation of Rocket Mortgage Fieldhouse in Cleveland, Ohio. The massive facade covers over 1 million sq ft of glass wraps around three sides of the building and is approximately 100 feet tall. The glass is laminated and insulated with Low Iron Glass that has a Low E on the exterior surface, and to enhance the transparency of the wall, the corners of the facade were left column free. The glass is supported with the Novum Edge Clamped Glazing System. The large glass facade provides a massive amount of light to the downtown area and is a state-of-the-art piece to sports fans and concertgoers alike.

