

**One Embarcadero Center**

**San Francisco, California, USA**

Project Data Sheet

**NOVUM**



## Specifications

**Project:** One Embarcadero Center  
**Application:** Facade  
**Location:** San Francisco, CA, USA  
**Size:** 4,365 ft<sup>2</sup> / 405 m<sup>2</sup>  
**Architect:** Gensler

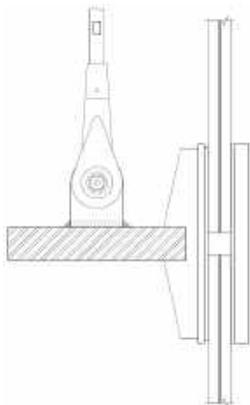
## Novum Systems

### Structural

**AES, TR:** The Main Lobby Wall brackets and glazing arms that support the wind loads on the wall at “mid” height were created by an assembly of Novum AES stainless steel plates and solid bars. The stainless steel glazing arms offset the PSG 10” in the vertical direction from the horizontal glazing joint. The stainless steel plate spiders offset the PSG 6” in the horizontal direction from the vertical glazing joint. The North Sleeve Wall has an 8” deep, 1.5” thick Novum AES stainless steel plate to support the wind loads. The plate runs behind the horizontal glazing joint. A single stainless steel Novum Tension Rod is placed behind each vertical glazing joint to support the dead load of the wall. The tension rods only run behind the upper panels, which leaves the space below the horizontal glazing joint structure-free.

### Glazing

**PSG, ECG:** The Main Lobby Wall is laminated low-iron glass that is supported with the Novum Point Supported Glass System. The North Sleeve Wall is laminated low-iron glass that is supported with the Novum Edge Clamped Glass System. All of the glass on the Main Lobby Wall and the North Sleeve Wall is fully tempered and heat soak tested.



## Design Solution

Novum became involved in this project in a Designer-Assist role during the early design stages to assist the architect to develop the solutions for multiple structural glass walls at One Embarcadero Center in San Francisco, CA. After Designer-Assist was complete, Novum was contracted to engineer, furnish, and install this project.

Different solutions were developed for each wall scope to achieve maximum transparency and the clean look desired. For the Main Lobby Walls, Novum worked with the architect on developing a unique assembly of support brackets that eliminated as much structure as possible. For the North Sleeve Wall, thin steel profiles that included a stainless steel plate and stainless steel tension rods were used in Novum’s horizontal steel solution in order to make the backup structure as invisible as possible.

