

Case Study

We Design the Way Trophy Buildings Sound *Keeping the Outside Noise Outside*

Salesforce Tower Chicago (Wolf Point South) is a 1.5M RSF high rise commercial office tower that is the final piece of the Wolf Point Master Plan, a multi-phased development designed by Pelli Clarke Pelli. Some call it the most advanced and amenitized office structure in Chicago. Trinity Cerami, as the acoustic consultants of this gem of a building, has been working with Hines on core and shell design on the South Tower, concentrating on the façade attenuation and interior acoustical separation between tenant floors. A big undertaking has been in the careful planning for vertical and horizontal components to minimize vibration between the fitness center and conference area, as well as occupied spaces above and below.

Signature Solution

Wolf Point is located at the confluence of the three branches of the Chicago River. Our acoustic engineers solved for the low frequency noise from the many and various boats that cruise up and down the river and noise from the nearby elevated rail lines by carefully designing the façade system with upgraded glazing. Cerami also designed for separation between mechanical spaces and tenant spaces, and the purpose designed fitness center/amenities space on the 4th floor.



Challenge

Nestled on the riverfront of Downtown Chicago, Salesforce Tower is located at the epicenter of commercial activity. It was imperative for Cerami to ensure noise produced by the surrounding external factors — from the river boats to the elevated rail lines and neighboring public areas — stayed out and not a nuisance to the occupants of the building.



Solution

Cerami's acoustical solution was focused on providing a carefully attenuated façade and glazing to mitigate external noise. Thoughtful consideration was also provided for the acoustical design of the base building systems to minimize noise and vibration impact on the tenant floors.



Result

Cerami successfully delivered acoustically optimized premium office space and unparalleled wellness amenities for Chicago's newest trophy building.