



CASE STUDY: STRENGTH

SALESFORCE TOWER

415 Mission St., San Francisco, CA 94105

To Be Completed: 2017

Stories: 61

Height: 1,070 ft.

Project Size: 1.4 million sq. ft.

Architect: Pelli Clarke Pelli Architects

Project Owner: Boston Properties and Hines Interests



SOARING TO NEW HEIGHTS IN THE GOLDEN CITY.

Expected to surpass the famed Chrysler Building as the seventh tallest building in the United States, the Salesforce Tower is bringing the San Francisco skyline to new heights. This towering jewel features a glass façade wrapped in a grid of steel, topped by a sculptural, lattice-like crown. Built in an area known for its seismic activity and high winds, builders used the strongest material on the market—concrete—to bring this architectural and structural feat to reality.

01. Increased stability starts with a solid foundation.

The building's concrete slab foundation measures 14 feet thick, and keeps the building from swinging or collapsing. The foundation took 18 hours to complete with 130 trucks delivering nearly 7,300 cubic yards of concrete.

02. Added protection against natural disaster.

The core walls were built using 10,000 psi self-consolidating concrete. This allowed the concrete contractor to use a form system that was raised in two to three days. The concrete core provides lateral strength to resist high wind and earthquakes.

03. Bringing concrete to new levels.

High-strength lightweight concrete was also used in most of the building's floors. Because of the building's stature, the concrete needed to be pumped and placed at record heights for the Bay Area.

04. Lateral support built into the walls.

Reinforced concrete walls surround the elevator and stairwell core. Reinforced concrete helps maximize the ductility, or the extent to which the building can undergo damage from a large seismic event.