

Plaza 66

Shanghai, China

Owner

Hang Lung Realty

Client/Architect

Kohn Pedersen Fox Associates PC

Completion Date

Tower I – 2001

Tower II – 2006

Construction Cost

\$400 million

Total Area

213,729 m² / 2,300,000 sf

Height

Tower I – 288 meters / 945 feet

Tower II – 228 meters / 749 feet

Number of Stories

Tower I – 66-story tower with 10-story tower crown and three-level basement

Tower II – 48-story tower and three-level basement



Plaza 66 consists of two towers, retail space on a five-story podium and three levels of below grade parking. A special feature of the first tower is the great height that is accomplished on a small footprint. The concrete tower soars 288 meters (945 feet) above the city featuring a narrow irregular-shaped lantern on the rooftop.

One of the challenges with the concrete work in the entire building was the skylight roof design that covers the seven-story atrium in the retail podium. The oval-shaped atrium roof is approximately 200 feet by 125 feet. The cross sections of its members vary along the span, as do the cross sections of its supporting columns, resulting in a visually dynamic but technically challenging atrium.

The 48-story second tower is approximately 228 meter (749 feet) was also built on a small footprint. The concrete tower was complicated by lateral stability concerns, poor site soil, seismic considerations, high water table, limitations of locally available building materials, and construction between new and existing buildings.

The conventional concrete frame-shear core wall lateral support system and deep mat with long friction pile were used to produce a functional building economically, and using local labor and materials almost exclusively.