

THE PINNACLE

Office building; 288 meters high; 64 floors

ARCHITECT:
ENGINEER:
CONTRACTOR:

Kohn Pedersen Fox Associates (KPF)
Arup Group Limited
Arab Investments Ltd.



image source: <http://www.skyscrapernews.com>

FOUNDATION AND CORE

The first 6 floors of the reinforced concrete core of the Pinnacle are visible on the site.

The site area covers the footprint of three previous buildings (approximately 140m by 70m in size). The foundations of the prior buildings on the site from the 1980's incorporated up to 1.5m diameter bored piles, positioned 35m below ground level in the London Clay. Some of the new foundations could be installed by coring through the old piles. The new pile foundation was constructed under bentonite support fluid, reaching deeper than the prior piles; 65m deep and with a diameter of up to 2400mm.



MATERIAL

Reinforced concrete is used for the structural building core. The facade will be constructed of two layers of clear glass; an inner insulated and an outer un-insulated layer made of overlapping rectangular glass panels. The Pinnacle will incorporate 850 square meters of photovoltaic panels, wrapping around the spiral of the tower facade.

