

Las Vegas CityCenter Block C Mandarin Oriental

Las Vegas, Nevada

Owner

MGM Resorts International and Infinity
World Development Corp

Architect

Kohn Pederson Fox

Interior Design

Adam D. Tihany

Completion Date

2009

Construction Cost

\$8.5 billion (estimated for entire
development)

Total Area

Mandarin: 1 million sf
Development: 20 million sf

Number of Stories

47

LEED Certification Level

Gold

Services Provided

LEED Consulting



The Mandarin Oriental tower comprises high-end dining, resort facilities, retail, entertainment venues and a spa. Fore Solutions, acquired by Thornton Tomasetti in 2012, provided LEED consulting services in collaboration with Simon & Associates and CTG Energetics.

With more than one million square feet, the 47-story non-gaming world-class five-star hotel and residential tower offers 392 guestrooms and suites with 225 residences. Amenities include the Forbes five-star spa with holistic treatments, outdoor swimming pool with sundeck, five restaurants and bars including a 23-floor Mandarin Bar and more than 12,000 square feet of function space.

The Mandarin Oriental achieves approximately 34 percent more energy savings than required by local and national regulations. The large-scale recycling operation enabled the reuse of more than 260,000-tons of construction waste. With floor-to-ceiling windows providing abundant natural light, the façade uses a combination of shading, fritted glass and different glazing types to maximize day-lighting controls, and reduce solar heat gain as much as 9 percent of total energy savings. Water conservation technology saves up to 4.1-million gallons annually providing a 34 percent reduction in water use throughout the whole building.