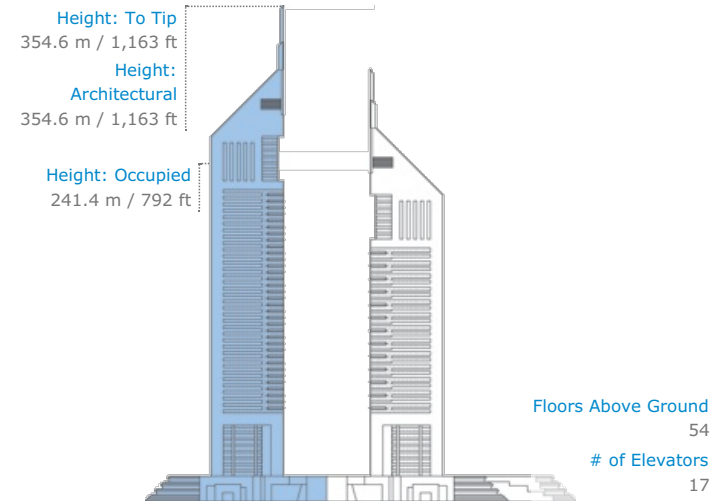


Emirates Tower One



Click an image to view larger version.



Facts

Official Name	Emirates Tower One
Name of Complex	Jumeirah Emirates Towers
Other Names	Emirates Office Tower
Structure Type	Building
Status	Completed
Country	United Arab Emirates
City	Dubai
Street Address & Map	Jumeirah Emirates Towers Complex
Building Function	office
Structural Material	composite
Completion	2000

Rankings

	Click arrows to view the next taller/shorter buildings	
Global Ranking	#55 Tallest in the World	⬆️ ⬇️
Regional Ranking	#14 Tallest in Middle East	⬆️ ⬇️
National Ranking	#12 Tallest in United Arab Emirates	⬆️ ⬇️
City Ranking	#11 Tallest in Dubai	⬆️ ⬇️

Companies Involved

Owner	Sheikh Mohammed Bin Rashid Al Maktoum
Architect	<ul style="list-style-type: none"> Design: NORR Limited; Hazel W.S. Wong Architect of Record: Hyder Consulting
Structural Engineer	<ul style="list-style-type: none"> Design: BG&E; Hyder Consulting Peer Review: Leslie E. Robertson Associates
MEP Engineer	<ul style="list-style-type: none"> Design: Donald Smith, Seymour & Rooley
Project Manager	Turner International LLC
Main Contractor	Brookfield Multiplex
Other Consultant	<ul style="list-style-type: none"> Civil: Hyder Consulting Damping: GERB Vibration Control Systems, Inc Geotechnical: Coffey Geotechnics Pty Ltd; Hyder Consulting Wind: Alan G. Davenport Wind Engineering Group
Material Supplier	<ul style="list-style-type: none"> Aluminium: POHL Group Construction Hoists: Alimak Hek Elevator: Mitsubishi Elevator and Escalator Fire Proofing: Grace Construction Products Sealants: Dow Corning Corporation Steel: Arbed

About Emirates Tower One

The Emirates Towers are one of the most distinctive skyscraper duos in the world, and were some of the first skyscrapers to be located along Sheikh Zayed Road in the financial center of Dubai, signaling a trend that has since seen the thoroughfare boom with construction activity. On the periphery of the complex, a beautifully landscaped environment with lush vegetation and meandering pathways imparts the feeling of an oasis in an otherwise rigid urban hardscape.

The towers rise from a three-story terraced podium, which houses a boutique retail mall, restaurants, and cafés. At the base, intersecting planes of curvilinear and vertical elements frame grand staircases that lead to the podium levels. Clad in silver aluminum panels, and both silver and copper reflective glass, the slim towers capture shifting sunlight throughout the day, and enhance the bright city lights at nightfall. On either side of the towers are rounded low-rise parking structures, reminiscent of the shifting sand dunes that surround the city.

Both towers feature equilateral cross sections, with triangular footprint that affords the structure more stability from the lateral forces of wind and earthquakes. In Emirate Tower One, steel transfers at level nine distribute loads from concrete-filled steel tubular columns into three triangular legs at the perimeter. Three additional transfer floors and a tuned mass damper at the peak provide for maximum stability. A steel and concrete hybrid solution throughout the tower allows for an abundance of column-free office space.

Emirates Tower One

CTBUH Initiatives

CTBUH Study Examines Tallest Buildings with Dampers

22 Aug 2018 – CTBUH Research

Top Company Rankings: The World's 100 Tallest Buildings

13 Oct 2016 – CTBUH Research

Technical Tours, CTBUH 8th World Congress

4 Mar 2008 – Tour Report

Videos

[A Postcard from Dubai](#)

3 Mar 2008 – Andy Davids, Hyder Consulting

Research Papers

[Ten Significant Tall Buildings, and the Significant Women Behind Them](#)

8 Aug 2017 – CTBUH Journal, 2017 Issue III

[Geotechnical Parameter Assessment for Tall Building Foundation Design](#)

Dec 2015 – International Journal of High-Rise Buildings Volume 4 Number 4

[A Postcard from Dubai - Design and Construction of Some of the Tallest Buildings in the World](#)

Mar 2008 – CTBUH 2008 8th World Congress, Dubai

[More Papers](#) →

Other Building Facts

The Jumeirah Emirates Towers were designed by architect Hazel Wong, while at NORR Limited, and are often cited as the tallest skyscrapers to be designed by a woman at the time of completion.

To submit more information or donate images for this project, please use our [submission portal](#).