Best Tall Building Featured Finalist

**Vernacular Architecture in the Context of Mexico’s Tallest Building: Torre Reforma**

Benjamin Romano, Founding Principal, LBR&A Architectos

CTBUH Awards 2016
There has been a few new high rise buildings developments
Paseo de la Reforma has received most of them
INEGI: 26.3% of Mexican population are between 15 and 29 years old
Almost 2 Million young guys enter into the Mexican economy every year.
Mexico City center will definitely have to go HIGH soon
Historical House to be preserved
Orientación del proyecto hacia el Castillo de Chapultepec

Predominant views
Torre Reforma
1,100 Parking spaces
300 meters from Subway Station
70 Bycicle parking spaces

The Gerkhin
5 Parking spaces
500 meters from Subway Station
130 Bycicle parking spaces
Torre Reforma needed an Iceberg
To accommodate 1100 car places
So we decided to take advantage of it
Foundation
ARUP first proposal: 195 foundation Piles
Savings of + US$ 14,000,000
Historical House Displacement
Concre Tray
Concret Waffle Slab Tray
Concret Waffle Slab Tray Displacement
Parking cars bypassing the Food Hall
Food Hall at basement 1

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8 Basement floors for Parking
Access Plaza
Sección

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Access Plaza
Access Plaza
Sports Facility
Low Rise Office floors
Low Rise Office floors
Low Rise Office floors
Low Rise Office floors
Auditorium
Terrace and Meeting Rooms
Auditorium
Mid Rise Office

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Mid Rise Office

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Pent House Office
Simple Geometry
MEP, People, Cars, and Structural FLOW interaction
Maintaining the offices space with total FLEXIBILITY
Construction pouring process
Construction pouring process
Construction pouring process
Construction pouring process
Construction pouring process
Designing parameters
Punched concrete wall
Punched concrete wall
Punched concrete wall
Punched concrete wall
“When Mexico City’s Torre Reforma completes in early 2016, it will not only be Mexico’s tallest building, but will signal a major departure from conventional façade design. Its exterior eschews the typical glass curtain wall in favor of a structural concrete exterior on two sides, reducing the cooling load for the building by mitigating overall sun exposure. As tall buildings continue to embrace energy efficient design, the all-glass façade may indeed be losing its luster”

Council on Tall Buildings and Urban Habitat
Top 12 Tall Building Predictions for 2016
SUN and Energy behavior
SUN and Energy behavior
We accomplished 48 points for the Core and Shell, Platinum certification (45 required). Worldwide, only 97 buildings have acquire this level, which represents 7.91% of total buildings.

Important numbers

25%  Energy Savings 
30%  Less Potable Water Consumption 
80%  Local Construction Materials 
20%  Recycled Construction Materials 
90%  Rentable area with Natural Light and External views 
0  Liters to Public Drainage
Good Design is Good Business

Total Cost: US$ 168,322,197 = US$ 1,891 / Sq. Meter

- Land
- Construction
- MEP
- Steel Structure
- Facade
- Equipment
- Professional Fees

Similar Buildings cost is over US$ 4,000 / Sq. Meter

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Thank You

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