



DUBAI city architectural idea for a tall emblem structure

Not less than three bridges lead to the Café. The plan of the Café takes a round shape, and there is a bar, the toilettes and a small storage in the centre. A small gallery is also situated above the service rooms.

The terraces are taking place at the upper level. All of them are open space and bordered by a glass-bar and covered by glass roof. For structural reasons the shape of the underground parking follows the shape of the conference hall. It gives parking space to 34 cars including the circulation areas. The ground parking is connected with the net of roads surrounding the park.

The supporting structure of the towers is based on the centre concrete core. The inner side wall has equal width, whereas the two other walls are narrowing upwards. Thus the size of the core is 7*7*7 metre on the top and 15*15*15 m on the ground.

The centre core provides the necessary rigidity and out of its shape it even resists to the wind. The surrounding steel structure is balancing the weight of the ball in the middle on one hand and makes the structure light on the other.

The ball is supported by a spider-net-wise steel structure, the 4 bottom beams of which are reaching until the slab under the floor of the Café. The supporting structure of the ball is connected by flexible connections due to the expansion.

The structure of the podium and the underground parking follows the traditional concrete pillar and slab structure.

A garden roof was created above the slab which is situated above the gallery of the podium.

This functions by nature as heat insulation. The glass wall surrounding the podium is protected by an exterior metal louver. Sail-like removable louvers might be placed on the glass roof of the conference room.

Coloured glass panels were designed between the elements of the steel structure going alongside the outer edge of the concrete towers. These panels can function as solar panels, significantly decreasing by these the cost of the function of the building.

The characteristics of the building are determined by the white painted steel structures, the plain concrete surface of the towers and the multicoloured glasses.

ELEVATION 1. 1:400

ELEVATION 2. 1:400