



Johannesburg  
Mountain

**CONTEXT**  
The site is situated on a cliff, overlooking the city of Johannesburg. The site offers excellent vantage point and is free from competition from surrounding buildings. It makes the tower a recognizable landmark and visible from all directions.

**SPECIAL FEATURES**  
The building is a technical feat of mechanical, civil and electric engineering. The special feature is the wind cowl, which turns in the direction of the wind. Flaps fitted into the cowl can open for different levels on the wind speed. The cowl is supported by an elevator shaft that moves up and down, a mesh screen is attached to the cowl. The shading device, a mesh screen, is supported by a rail around the building in accordance with the wind direction. When the wind changes, these shading screens makes window shading possible.

**ARCHITECTURE**  
The design is a number of things, things key to the character of Johannesburg. The representation of Durban. Symbols from the city are used, the shells (shells), and nautical symbols. These are put together into a high-tech, multi-level structure. The tower is 70m tall, monumental in scale. It is a structure that changes static building. In addition to the aluminium structure, the building is supported by a steel structure throughout the building.

**STRUCTURE**  
The structure consists of vertical and horizontal members. The members are supported by a central core in which a mesh screen is attached. The members are supported by cross bracing, which is attached to a central core. The structure is supported by a central core, which is supported by a central core. The structure is supported by a central core, which is supported by a central core.

**WIND LOADS ON SPACE FRAME**

**SLENDERSNESS AND BRACING**

**ELEVATION SCALE**

**PLANS SCALE 1:250**

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Elektroniese Inligting  
Electronic Information

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