

# CORAL DRAGON

TAIWAN TOWER Taichnug Gateway Park project

Taiwan Tower functional schemes and design concepts

This Taiwan Tower symbolizes biodiversity, the coral was designed by the motif. The element that converts light into electricity is stuck on the surface; it emits light by subtle colors based on the energy collected in daytime at nighttime. The pattern of luminescence is a peculiar handle to the coral. Taiwan Tower is greatly developed from the structure according to two functions. In the low layer part, the function of the Museum of Taichung City Development and Office for the Department of Urban Development, Taichung City Government, and parking area.

Spatial design concepts for main spaces.

We propose a Taiwan Tower as the symbol of new Taipei by making the liquidity of nature with which vitality overflows a symbol. The situation on the outside infiltrates constantly, and the space corresponding to various activities in the environment that changes actively is produced while exchanging it each other.

The Museum of Taichung City Development and the restaurant are in the first floor in the underground part, and Office for the Department of Urban Development, Taichung City Government is in the subbasement part, the third floor in the underground is a parking area. There is lighting from the upper part and the side in all the areas, and a bright, pleasant space. The multistory part keeps continuousness from the space that extends like the petal in the low layer part and becomes a tower.

The tower keeps becoming a lighthouse in a surrounding region, watching people, and shining.

The tower part is combined many units, and is one mass. A huge mass where the unit is consecutive, it sees like the big dragon that rises in heaven while undulating, and, on the other hand, it sees it like the coral reef ranges. And it seems to proliferate as accumulated.

The unit has two consecutive membrane with which one piece is wrapped in one another. These two membrane infiltrate each other and the environment is taken. An inside panel has the feature designing. The running pattern of the equilateral triangle looks like a fragment organization. It is likely to see it like dragon's scale.

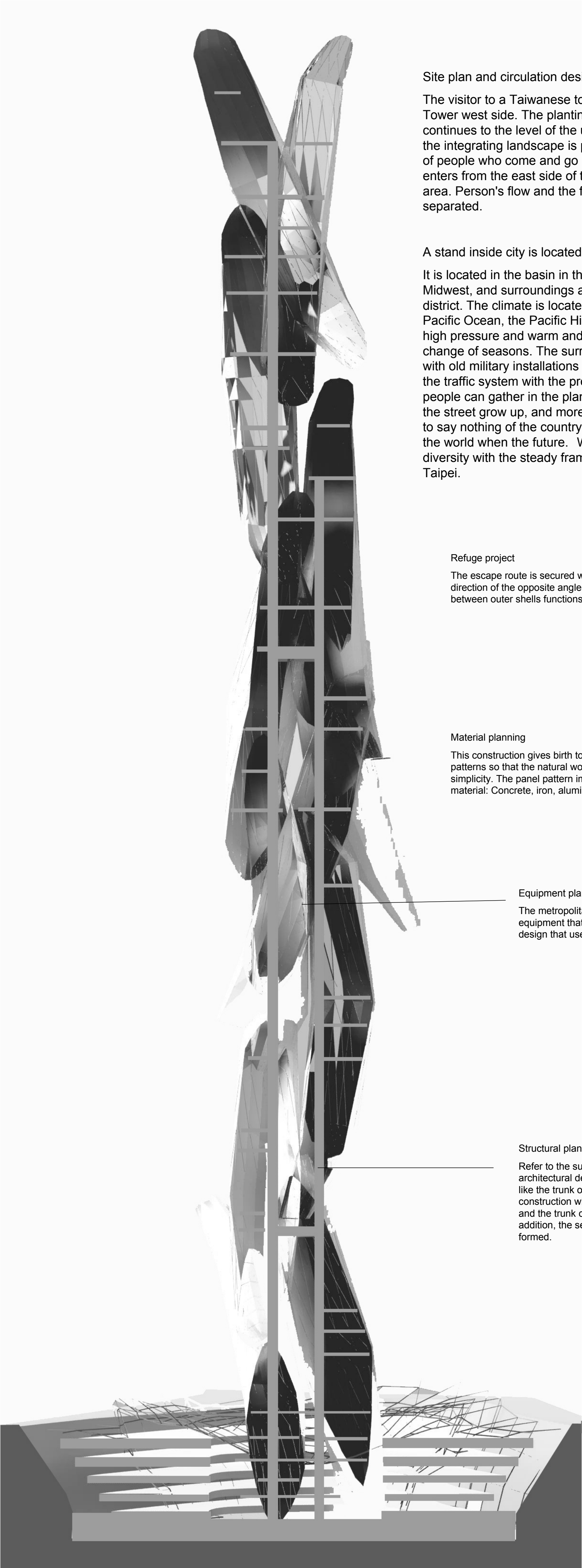
In the multistory part, the function of the observatories, radio and digital signal transmission. The museum and the office part in the low layer part are dug down from ground, It is wrapped in the hull of the curving glass. It looks as if the petal.

When it looks down and a Taiwan Tower is seen, the tower part is seen the octagon. The unit of the tower is suitable for eight directions respectively. This shape expresses mysterious universe and all things in nature. The interior in the unit is a color matched to the azimuth, and the direction of the north is a black, the direction of the east is blue, the direction of the south is red, the direction of the west is white.



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## Site plan and circulation design concepts.

The visitor to a Taiwanese tower accesses it from the Taiwan Tower west side. The planting planned around the building continues to the level of the underground in the Taiwan Tower, and the integrating landscape is produced. The visitor feels the bustle of people who come and go in the under from the ground. The car enters from the east side of the site to the underground parking area. Person's flow and the flow of the car are completely separated.

A stand inside city is located in the Taiwanese island central part.

It is located in the basin in the stand that extends to Taiwanese Midwest, and surroundings are enclosed by the mountainous district. The climate is located between Eastern Asia and the Pacific Ocean, the Pacific High subtropical climate influenced by high pressure and warm and humid, Mongolia region can feel the change of seasons. The surrounding of the plan ground is a region with old military installations and a front airport, and the junction of the traffic system with the provinces. It will be an area where people can gather in the planned urban development's advancing, the street grow up, and more and more development be expected to say nothing of the country inviting visitors from every country in the world when the future. We propose "Reef" that softly collects diversity with the steady frame to this area as a symbol of new Taipei.

## Refuge project

The escape route is secured with the stairs gained in the direction of the opposite angle for visitors. The space made between outer shells functions as a shelter balcony.

## Material planning

This construction gives birth to rich, various forms by some patterns so that the natural world may make the complexity from simplicity. The panel pattern improves productivity. Main material: Concrete, iron, aluminum panel, and the glass

## Equipment planning

The metropolitan environment opened in the wind besides equipment that satisfies a usual function is produced, and the design that uses the prevailing wind is done.

## Structural planning

Refer to the surrounding and the environment for the overall architectural design. The composition is, and proposes the structure like the trunk of the tree in which diversity gathers to the building construction with the outer shell. The outline composes a cubic truss, and the trunk corresponds to the earthquake by a firm base. In addition, the set and the space are produced, and the design is formed.

