A CRITICAL APPROACH TO VERTICAL GRAVEYARDS

The program is an affordable high-rise cemetery tower that seeks to provide solutions to the lack of green space in downtown Tokyo and establish an environment that would not merely serve as a final body disposal but replicate the experience of visiting a traditional cemetery. The design incorporates an element of modernity, combining the poetics of traditional Japanese temples with graveyards in a case study of a spectacular temple that is located between the busy streets of Tokyo. The design aims to provide solution to the lack of graveyard space in downtown Tokyo.

We propose an affordable high-rise cemetery tower that seeks to provide solution to the lack of space in downtown Tokyo, offering low-storey housing and provide sufficient infrastructure for access from several directions. The tower will be located beneath the tower, and plentiful green space will be established above in the tower. From the one hand, the tower is a natural visual vertical connection to the north and finally, continues the poetics of green platforms of the nearby temples with graveyards. To serve against earthquake and typhoons, the tower is designed in a series of dampers, utilizes a bionic exoskeleton, and acts like a spring to reduce ground shaking in two ways. In the center of the tower, there is a series of dampers, utilizes a bionic exoskeleton, and acts like a spring to reduce ground shaking in two ways. In the center of the tower, there is a series of dampers, utilizes a bionic exoskeleton, and acts like a spring to reduce ground shaking in two ways.

On the other hand, the design is directed by the intention to create a residential cemetery that serves as a reminder of the place one will return to. Instead of movable wooden joints, the tower's exoskeleton relies on triangles, which are rigid and responsible for the overall structural stability, and the latter one being more fluid dampers. Even though traditional temples were relatively short structures, this technique has been proved effective in controlling shaking in the 600m high Tokyo Skytree. The structure is 8 times more efficient than a regular cemetery. Considering the total area of Aoyama of 250,000 m², the tower complex expands the graveyard's capacity by 40 million USD per floor. Taking relaxed estimates of 30,000 USD/sq.m., the price of the 100x100 m² site totals 100 million USD. The total graveyard costs are estimated to be $2 billion USD. This is still less than the estimated $3 billion USD for the 100x100 m² site.

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