THE DEVELOPMENT OF A TALL WOOD BUILDING

Climate change and urbanization-related problems are becoming more important, making it necessary for us to create buildings that can actively engage with the environment. This will enable us to build buildings that are sustainable and can cope with the challenges of a warming planet. The concept of tall wood buildings is an excellent solution, as they offer a wide range of advantages such as reduced energy consumption, enhanced indoor environmental quality, and improved sustainability.

**TECHNICAL SOLUTIONS**

Before embarking on the structural design, a detailed analysis of the existing conditions was conducted. The analysis focused on the structural system and its interaction with the surrounding environment. The building was designed to be a flexible and adaptable structure that can be easily modified to meet the changing needs of the occupants.

**3D Detail**

Tall wood buildings are a sustainable alternative to conventional concrete buildings. They offer numerous advantages, such as reduced energy consumption, improved indoor environmental quality, and improved sustainability. The building was designed to be a flexible and adaptable structure that can be easily modified to meet the changing needs of the occupants.

**SUSTAINABILITY AND CONSTRUCTIBILITY**

The Tall Wood Thesis project is a hybrid structure with a steel core and wood framing. The steel core provides the necessary strength and stiffness, while the wood framing allows for the building to be easily adapted to the changing needs of the occupants. The wood framing is a readily available and sustainable material that can be easily recycled.

The project is designed to be constructed in a way that minimizes the environmental impact. The timber is sourced from sustainably managed forests, and the construction process is designed to be as efficient as possible. The project also takes into account the long-term needs of the occupants, ensuring that the building remains relevant and adaptable over time.

**Building Construction Phases**

The construction process is designed to be as efficient as possible, minimizing waste and maximizing resource use. The building is designed to be constructed in stages, allowing for easy adaptation and modification as the needs of the occupants change.

**Italian Award for Sustainable Architecture 2018 competition**

The project was designed and constructed in collaboration with the University of Bologna, Italy. The project won the Italian Award for Sustainable Architecture 2018, recognizing its innovative approach and commitment to sustainability.

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