Goldin Finance 117

**Facts**

- **Official Name**: Goldin Finance 117
- **Name of Complex**: Tianjin Goldin Metropolitan
- **Other Names**: Walking Stick
- **Structure Type**: Building
- **Status**: UCT
- **Country**: China
- **City**: Tianjin
- **Street Address & Map**: Haitai South-North Street, Huayuan Industry Park
- **Building Function**: hotel / office
- **Structural Material**: composite
  - Core: Reinforced Concrete
  - Columns: Concrete Filled Steel
  - Floor Spanning: Steel
- **Energy Label**: LEED Platinum
- **Proposed Construction Start**: 2008
- **Completion**: 2021
- **Height: Occupied**: 584.1 m / 1,916 ft
- **Height: Architectural**: 596.6 m / 1,957 ft
- **Height: To Tip**: 596.6 m / 1,957 ft
- **Floors Above Ground**: 128
- **Floors Below Ground**: 4
- **# of Elevators**: 89
- **Tower GFA**: 370,000 m² / 3,982,647 ft²

**About Goldin Finance 117**

Located in the brand new central business district of Tianjin, Goldin Finance 117 will stand as the tallest and most distinguished development in the city. The tower will accommodate a mixture of uses including office space along the bottom floors and a luxury hotel in the upper floors. The surrounding Goldin Metropolitan development will serve to activate this centrally located tower by comprising a large high-end residential area, entertainment venues, two international standard polo fields, training facilities, retail outlets, and green spaces. A 200-meter office
The tower will be located nearby, satisfying the feng shui requirements set out for the development area.

The design of the tower resembles a bejeweled walking stick, with a long slender form capped by a diamond-shaped atrium. Within this striking feature, hotel guests and tourists can visit a rotating observation deck and a fine dining establishment. The building will also provide Grade A office accommodations and a double-decker lift. Sky lobbies are located at various heights along the tower, providing a variety of vantage points and views of the surrounding districts.

The building is extremely slender, with a height-to-width ratio of 9.5, exceeding the limit of 7.0 imposed by Chinese seismic code. Because of this, a more stringent set of controlling criteria had to be adopted, leading to a challenging set of structural requirements. The most visually apparent structural components of the tower are the megacolumns rising from each of its four corners. These megacolumns extend to the top of the crown, connecting beams, transfer trusses, and mega braces, which are gracefully hidden behind the building’s aluminum and silver reflective curtain wall.

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