Hangzhou GT Land Jumeirah is a mixed-use development that includes a 43-story hotel and office tower, a seven-story residential tower, and a seven-story retail podium. The project is located in the emerging central business district of Hangzhou, China. The architectural design is characterized by a rectilinear shape, a long and slender form, and a series of setbacks that extend over the entire building. The project’s structural system is predominantly of reinforced concrete, with structural elements integrated into the design to meet seismic performance requirements.

STRUCTURAL CHALLENGES & SOLUTIONS
- Complex mixed-use program spread over three buildings: residential, hotel, and office.
- Hotel/Office Tower is a slender, 200-m tall structure with a typical width between columns of 24-m.
- Hotel/Office Tower and Residential Tower are seismically separated above grade.
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EXCELLENCE IN STRUCTURAL DESIGN
The architectural design of the hotel/mixed-use buildings was realized with a series of special features unique to the project. These features include:
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