

Ningbo Center

Ningbo, China

Design of the 80-story, 409-meter-tall mixed-use tower was inspired by the image of wind blowing a lotus bud that is slowly rising from the water. The tower provides 216,000 square meters of office and hotel space. The building's dual structural system includes an RC core with a perimeter column diagrid for the lower portion of the tower and composite moment frames above. This configuration provides a balanced solution of stiffness and ductility throughout the height of the tower. The towers' distinct tapering curvature improves aerodynamic responses during a typhoon. In addition, façade belt trusses allow different column grids for office and hotel zones. The geometry-intensive tower form was realized by computational and parametric structural design and connection detailing.

Han Ding served as a project engineer during his tenure at SOM.

