

New Structural System

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mCSP system → modular-Circle-Square-Pole

⇒ This is another of my modular structural design

⇒ There are only 3 modules: circular frames, square frames & extensible poles

⇒ For high-rise, lateral wind loads are the most problematic, this design adopts major portions made of circular frames. Circular planar shapes are best for diffusing wind loads from any direction.

⇒ Structures have most bending stiffnesses provided most structural materials/members are apportioned as far from the rigidity centers as possible. That's why 4 poles are added to the corners.

⇒ The poles contribute to further structural stability because circular and square frames are inter-locked by the poles, allowing the structure to be built to great heights. Advantageous is a big void inside the frames.

