

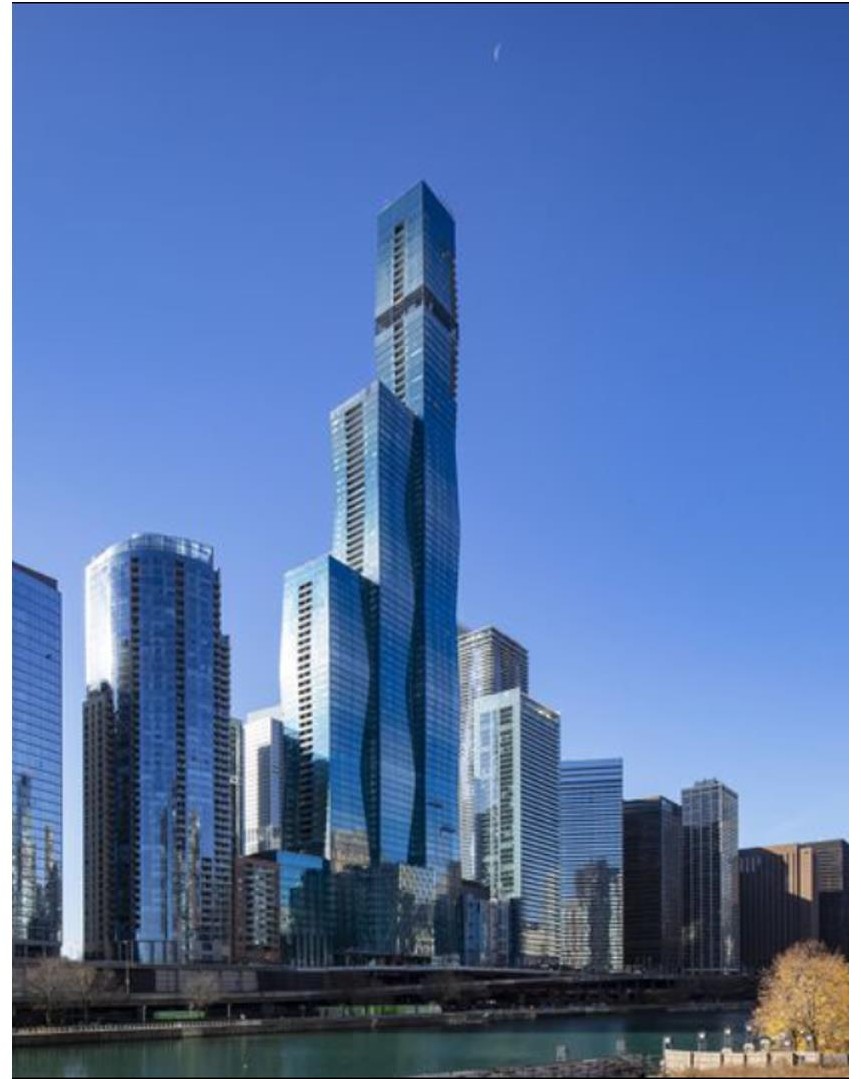
In 2020, **St. Regis Tower** became the newest building to shape the Chicago skyline. What makes this skyscraper remarkable is that it is the tallest building in the world designed by a woman architect; that woman is **Jeanne Gang**.

Jeanne's design was inspired by the geometric shapes of the fluorite and sapphire crystals. These shapes are known as **frustums**.

What is a frustum?

Do you see how she uses them?

As beautiful as this building is, its design had one major flaw. What was that flaw, and how did the Gang gang engineer the solution?



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What is a frustum?

A pyramid with its point cut off.

Do you see how she uses them?

She stacks them alternating their orientation.

As beautiful as this building is, its design had one major flaw. What was that flaw, and how did the Gang gang engineer the solution?

The building could not safely withstand the Chicago wind. She created the 83rd floor to be a blow-through floor.

