

Tall Building Structure

Architecture

Which system suits which height, and why slenderness beats height.

Indicative height ranges for the primary system.

System	Storeys
Rigid frame	up to about 25
Braced core or shear wall	up to about 40
Outrigger and belt truss	up to about 70
Framed tube	up to about 80
Bundled tube	up to about 110
Buttressed core	beyond 110

Slenderness governs comfort: above roughly 8:1 height to width, sway and damping become design drivers.