

THE BETTER WAY TO BUILD

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Top DownSM TECHNOLOGY

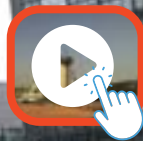
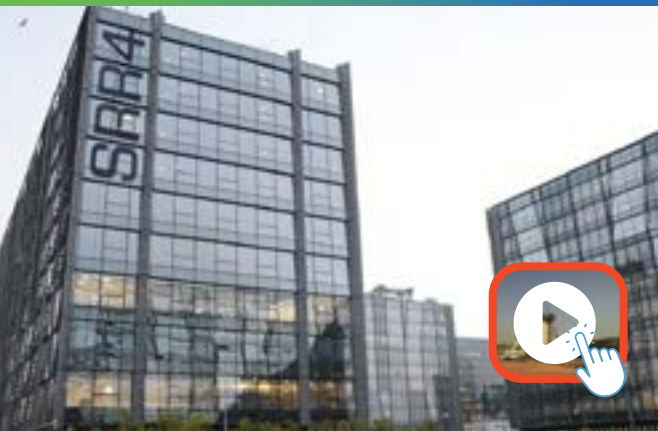
is the result of 45 years of research and proven experience. It is based on an efficient structural design that limits weight and removes the need for structural columns while significantly reducing cost, schedule, materials, and embodied carbon without compromising the structural design.

SRR3 + SRR4 | INDIA

PROJECT: \$244 M | 36 MONTHS

**2 Buildings Completed With
50% TIME SAVINGS,
40% COST SAVINGS**

COMPLETED



UNDER CONSTRUCTION








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TOP DOWNSM TECHNOLOGY
LEAN IN - FUSED TEAMING

VER
BUILDINGS



Top DownSM PROCESS

-  **MAXIMIZE STRUCTURAL EFFICIENCIES.**
Reduces structure weight by ~50%.
-  **DESIGN CENTRAL CORE SUPPORTS.**
Eliminates all structural columns.
Net gain of 10% floor area.
-  **BUILD EFFICIENT FOUNDATION AND CORES.**
Lower weight reduces structural load.
-  **PHASED FLOOR ASSEMBLY AT GRADE.**
Safer build of all floors at ground level.
No tie offs of labor needed.
Improves overall project efficiency.
-  **LIFT INTO PLACE AND SECURE FLOORS TO CORE.**
Eliminates tower crane.
Strand jacks are used to position floors.
-  **REPEAT, TOP DOWN.**
Completed floors are permanently attached to cores.



TOP DOWNSM BENEFITS



ENHANCED SAFETY

Less risk and lower insurance costs. No tower cranes, scaffolding, or tying off labor.



COST SAVINGS

Total cost **Reduced 15% or more**



ACCELERATED SCHEDULE

Timeline **Reduced by 25% - 40%**



EFFICIENT MATERIALS

Structural weight **Reduced 50%**



MORE FLOOR SPACE

Leasable floor space **Increased 10%** and views improved



EXCELLENT SUSTAINABILITY

50% reduction in embodied carbon

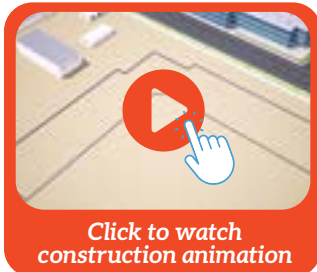
Top DownSM CONSTRUCTION

The Top DownSM system can create a mid/high-rise building of virtually any size or shape and can be utilized for almost any application to save time and money and enhance safety.

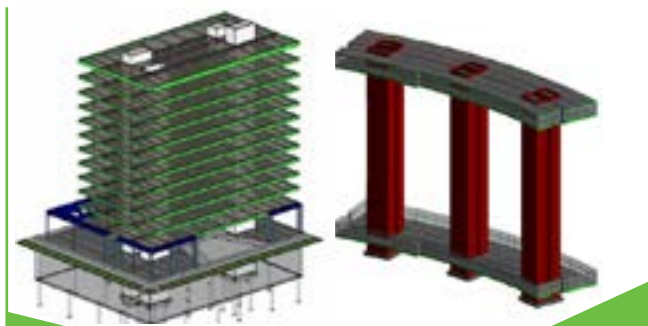


- Strand jacks
- Completed floors lifted in place, secured, and dried-in
- Floor assembly at grade

MAXIMIZE SAFETY, SAVINGS, AND EFFICIENCY



Click to watch construction animation



Endless floorplan and shape possibilities



Utility

Top DownSM system makes most sites usable. Compact foundations can be built around obstructions.



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