

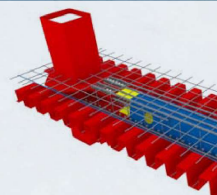
ES-Structure

EQST SLIM FLOOR SYSTEM

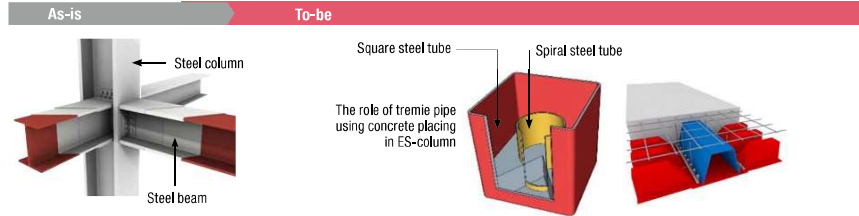


Technology

A slim floor system consisting of concrete filled steel tube columns and slabs encased in steel beam.
Green Structural System for Reducing Carbon Emissions by Reducing construction time and Steel weight.



Characteristics/Merits



- Advantages**
- **Insert spiral steel pipes with holes**
 - concrete placing 30m above at a time
 - **Improvement of seismic performance**
 - confinement effect to filled concrete in steel pipe
 - **Excellent fire resistance of CFT**
 - Reduce fireproofing thickness by 50% or more
 - **Reduced floor depth by 200mm**
 - Reduced steel weight
 - Increase the number of floors in a building
 - **20-25% reduction in required steel weight**
 - **10-20% reduction in construction costs**
 - **Increase fire resistance by reducing exposure area in beam**

Structural Performance



Product specifications

Type	Product method	materials	Diameter and Thickness (mm)	Notation	Standards
Structural square Steel tube for building	Roll forming	Hot rolled coil	200-500 6-14	SNRT 295E SNRT 360E	D 3864
	Pressing / Roll bending	Plate	300-1000 9-40	SNRT 275A SNRT 355A	

Applications

