# **CFTCOL**



# Technology

Top-Down Method Using High-Strength CFT Columns Prior to excavation work, the exterior wall of the basement and the column of the basement floor were constructed, Construction method for building underground structures in sequence



# **Construction process**







Welding in site

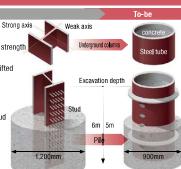




· Roll H-shaped steel column - Reduced structural capacity due to strength

Characteristics/Merits

- /stiffness to weak axis - Torsion occurs when the casing is lifted
- Vertical error management (H/300)
- · H-shaped steel with studs
- Reducing constructability due to stud
- Increased amount of excavation (diameter/deep) with stud spacing and length



**BHULLAR GROUP** 

#### · CFT column

- Steel weight: 40% less (construction cost 35%)
- No Strong/weak axis-Reduced drilling diameter by 25%
- Vertical error management (H/500) possible

# · Steel tube with ringplate

- Steel weight: 20% reduction in construction cost by 15%
- excavation diameter: 30% reduction
- excavation depth: 15% reduction

# Product specifications

Туре	Product method	materia <b>!</b> s	Diameter and Thickness (mm)	Notation	Standards
Structural Steel tube for building	Roll forming	Hot rolled Coil	21.7~1574.8 2~100	SNT 275A,E SNT 355A,E SNT 460A,E	D 3632
	Pressing/Roll bending	Plate			
Structural square Steel tube for building	Roll forming	Hot rolled Coil	200~500 / 6~14	G 295E / G 360E	D 3864
	Pressing/Roll bending	Plate	300~1000 / 9~40	G 275A / G 355A	
Steel tube for Pile	Roll forming/spiral	Hot rolled Coil	21.7~1016	G 275(SKK400)	F 4602
	Pressing/Roll bending	Plate	2~22	G 355(SKK490)	

# Applications









