Group Masterplan
Urban implementation
Ground Floor

- Storage
- Apartment Lobby
- Logistic elevator
- Lobby
- Down
Podium Rooftop
Typical tower floor plan
Typical tower communal garden
Vertical Transportation

- Elevators for residents
- Elevators for market customer
- Freight elevators and storage
- Fire escape stairs
Double glazing with 12mm gap
Aluminum window frame
6mm Copper Alloy cap fixed to L shape Steel profile
12mm Stone pavement
30mm concrete screed with 16mm floor heating pipes
20mm rigid insulation
450 Holedeck concrete waffle slab
accoustic insulation
Steel balustrade fixed to 40mm Steel tube
Timber decking on Steel support
Aluminium box gutter with waterproof membrane
120mm roof insulation
Vapour barrier
6mm Copper Alloy cap fixed to L shape Steel profile
450 Holedeck concrete waffle slab
acoustic insulation
Vegetation
150mm growing medium
Root repelient
Drainage Layer
Waterproof membrane
Insulation Layer
Vapour barrier
450mm concrete waffle slab
Acoustic insulation
Air ducts
Section drawing
Residential tower

- 6mm Copper Alloy cap fixed to L shape Steel profile
- Copper cladding panel
- 120mm wall insulation
- 12mm phase changing gypsum board
- Interior carpet
- 30mm concrete screed with floor heating pipes
- 20mm rigid insulation
- 30mm in situ concrete screed
- 300mm hollow core concrete slabs fixed to 300mm steel PFC beam
- Suspended ceiling
Parallel opening window

- small opening movement with better air circulation
- good acoustic performance
- reducing draughts
6mm Copper Alloy cap fixed to L shape Steel profile
Copper cladding panel
120mm wall insulation
12mm phase changing gypsum board
interior carpet
30mm concrete screed with floor heating pipes
20mm rigid insulation
30mm in situ concrete screed
300mm hollowcore concrete slabs fixed to 300mm steel PFC beam
Suspended ceiling
Structural Scheme
Podium
Steel section to floor detail

8mm fireproofing laminated Wglass
stone pavement
30mm concrete screed with 16mm heating/cooling pipes
20mm rigid insulation
300mm PFC beam fixed to 450mm steel waffle slab
20mm fire protection board