

Apartment Building Proposal (June 24, 2022)

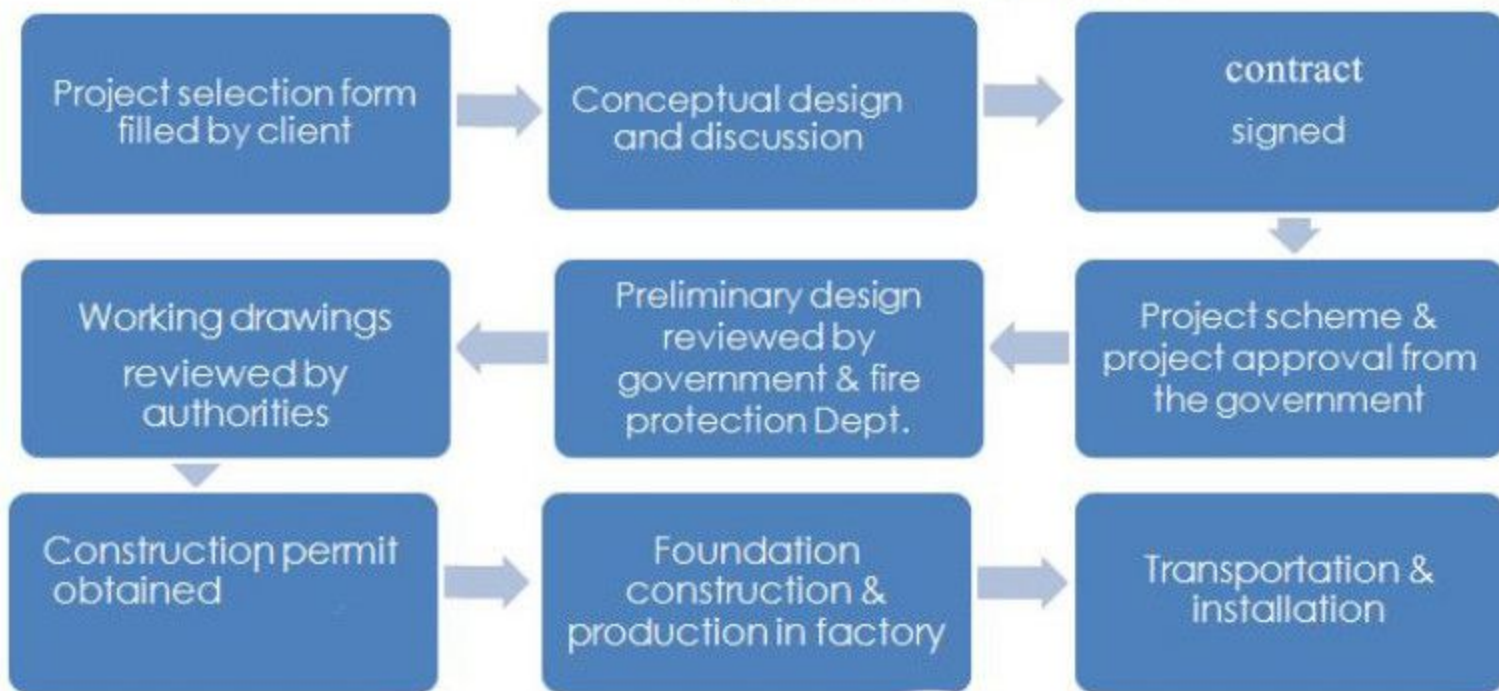


11 floors

273.17m²/floor

3005m²

Project Sales Flowchart



Part One: Technical Details

Building Specifications

No.	Item	parameters
1	Building model	A4.5-11
2	Building area	3005m ²
3	floor	11
4	apartment	around 33 per clients' request
5	building areas /floor	273.17m ²
6	Building dimension	21942x12190x33000
7	static load	300kg/m ²
8	Space utilization efficiency	89.72%
9	lift	1, 2m/s
10	stairs	1
11	exterior wall	22cm rock wool insulated
12	furniture	no
13	Building appearance	white fluorocarbon paint for exterior wall

Building Rated Parameters (General Standard)

No	Items	Parameters	Notes
1	Room module transport dimensions	L12,190 W2,438 H3,000 mm	Shipped as a standard 40ft container (actually no container is needed)
2	Room module installation dimensions	L12,190 W4,876 H3,000 mm	The installation and transport dimensions for stair modules are the same
3	Module transport weight	Room \leq 15t, stair \leq 11t	Stowage materials and tools are included
4	Building floor height	3 m (clear height 2.77 m)	Non-standard floor height can be 6 m, 9 m, 12 m
5	Structural material	Stainless steel (30 times more corrosion resistance than carbon steel)	Floor slabs are made of BROAD B-CORE slab while columns are composed of section stainless steel
6	Adapted standard	China, EU, US standards	Subject to the official approval from clients' country as the premise
7	Life designed	1000-year structure	Other parts per EU Standards
8	Insulation K-value	Rock wool in exterior wall 220 0.2 W / m ² °C (Roof K-value=0.18 W / m ² °C)	Rock wool insulation thickness will be increased in severe cold areas, K-value=0.14 W / m ² °C
9	Window K-value	4-paned large windows: 1.4 W / m ² °C 3-paned small windows: 1.8W / m ² °C	Additional insulation measures: exterior sunshade, interior thermal shade (if the interior thermal shade is used 50%, window K-value will be decreased by about 40%)
10	Energy metering	Each household is separate	Water, electricity, fresh air system and A/C consumption are calculated independently for each household
11	Indoor temperature	Winter 22 °C, Summer 24 °C	Occupants are able to adjust the temperature in each room
12	Fresh air volume	\geq 40 m ³ / person / hr.	Or 2 m ³ /m ² /h (CO ₂ concentration limit 600-1000 ppm)
13	Air freshness	100% fresh air	No mixed return air (fresh air heat recovery rate 80%)
14	Fresh air cleanliness	PM2.5 filtration efficiency 99.9%	Indoor air is 100 times cleaner than outdoor air
15	Building energy consumption	90% less energy consumption than that of traditional building	A/C & Fresh Air annual power consumption kWh/m ² a : Severe cold area 12, cold area 12, hot summer and cold winter area 12, hot summer and warm winter area 14, warm area 4
16	Standard delivery items	Turnkey project: including building construction, MEP, and decorations	Excluding foundation and other engineering works outside the building

Part Two: Commercial details



Transportation
Dimensions



Pre-Installation
Dimensions



Post-Installation
Dimensions



Unit: mm



Supply Scope

No.	items	remarks
1	floor & ceiling	Stainless steel structure, floor slab, ceiling, roof
2	Exterior wall & windows	exterior wall, window, shades
3	Interior wall & doors	interior wall, toilet, doors
4	Air con & ventilation	Air con, fresh air machine & air supply system
5	Water Supply & Drainage	Sanitary fittings, cold water, hot water
6	Electric engineering	Strong/weak current, lighting, switch, socket, lift

