GPS Group
MONACO

Prefab Houses Catalog

01

Introduction of Detachable Container House

The detachable container house is a mobile and reusable construction product.Modular design and factory production are adopted, with the container as the basic unit, which can be used alone or through different combinations of horizontal and vertical directions to form a spacious use space, and the vertical direction can be stacked. The unit structure is a standard component welded with special section steel, and the containers are connected by bolts. The structure is simple and the installation is convenient and quick.

it cab be used for many purpose,such as office, accommodation, conference rooms,field exploration office, dormitory etc.

Features of Detachable Container House

1. Convenient transportation, especially suitable for units that frequently change construction sites;

2. Sturdy and durable, all made of steel, with strong shock resistance and deformation resistance;

3. The sealing performance is good, and the strict manufacturing process makes this mobile room have good water tightness;

4. Flexible and customizable, which can derive many combination spaces. Such as meeting rooms, dormitories, kitchens, bathrooms, etc.

5. Easy disassembly and assembly, good performance, stable and firm, good shockproof performance, waterproof, fireproof and anti-corrosion, light weight.

Selection of Colors

Panels

Black

Wood

White

Grass Green

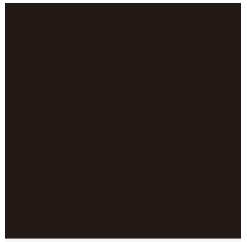
Sky Blue

Light Yellow

Frame

Royal Blue

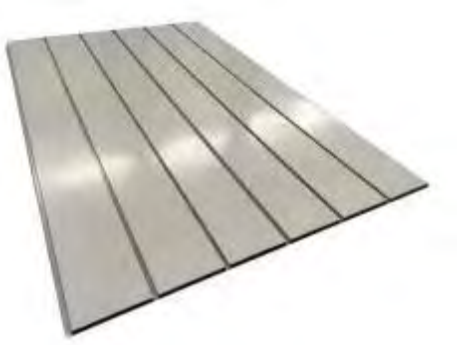
Red


Black

White

MOQ 30 Units for Customized Colors

Customization



831 Celling Sheet

Solid Wood Skirting

SPC Floor

PVC Leather Floor

Wallpaper

Integrated wall panel

Metal carved board

Basic Specifications of Detachable Container House

Type	Length	Width	Height	Area	Weight
Detachable	5950mm	3000mm	2800mm	17.85㎡	1167kg

Windproof | Level12 32.7-41.4m/s

Anti-Seismicl | 9

Life Span | Above 15 Years

Fire Proof | Class A

Structure Diagram of Detachable Container House

50*50 Purlins

40*80 Purlins

Support Channel Bar

40*60 Purlins

Roof Tile

Glass Wool

Ceiling tile

Steel Door

Carriage Bolts

50/75mm Rock Wool Panels

UPVC Window

2.15mm Column

15MM MGO Floor

2.3mm Long Beam

Corner Fitting

1.95mm Beam

Bottom Purlins

80*80 Purlins

Loading | Detachable Container House

Packaging

20GP | 7-8Units

Loading

40HQ | 17-18Units

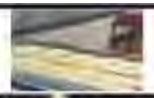
Material List

Material Specifications of Detachable Container House

1	Main Structure	Coulmn	2.15 mm cold rolled steel profile			4 pcs
2		Roof Beam	1.95mm cold formed cross members			1 set
3		bottom Beam	1.95 mm cold rolled steel profiles			1 set
4		Roof square tube	50*50*1.2mm ; 40*80*1.2cm ; 40*60*1.2mm			11 piece
5		Bottom square tube	80*80*1.2mm ; 40*80*1.2mm			9 piece
6		Roof Corner Fitting	W245*L245*H245mm ,thickness size :3.5mm			4 pcs/set
7		Floor Corner Fitting	W245*L245*H245mm ,thickness size :3.5mm			4 pcs/set
8	Wall Panel	Sandwich Panel	50mm EPS/rockwool panles, size is 950*2500mm*0.25mm steel sheets			18pcs/set
9	Supporting channel bar	Galvanized steel	2 (pcs) :L2800mm*W90*H30*T0.9mm 2(pcs):L5780mm*W90*H30*T 0.9mm			4pcs/set
10	Enhance Beam	Door frame beam	Galvanized square tube steel L2560mm*W20*H40*T1mm			1 pc
11		Wind-proof beam	Bake painting steel tube steel L2480mm*W40*H60*T1.2mm			2pcs

Material List

Material Specifications of Detachable Container House

12	Roof Insulation	Glass wool	14kg/m³, thickness size 100mm				1 roll/set
13	Roof tile	steel tile	L2970*W1060*T0.34mm				6pcs/set
14	Ceiling tile	steel tile	L2790*W1060*T0.18mm				6pcs/set
15	Window	Single open aluminum alloy	Size:925*1200mm				2 pcs/set
16	Corner trimming	Galvanized aluminum	L5700*W40*H40*T0.25mm (2pcs) L2700*W40*H40*T0.25mm (2pcs) L2500*W40*H40*T0.25mm (4pcs)				8pcs/set
17	Door	steel	size: 950*2070mm				1 pcs/set
18	Floor	floor panel	W1147*L2800mm*H15mm MGO fireproof board				5pcs
19	Accessories		Screw Blot, Nail, steel bending Trims				1 set

Detachable Container House Project Display

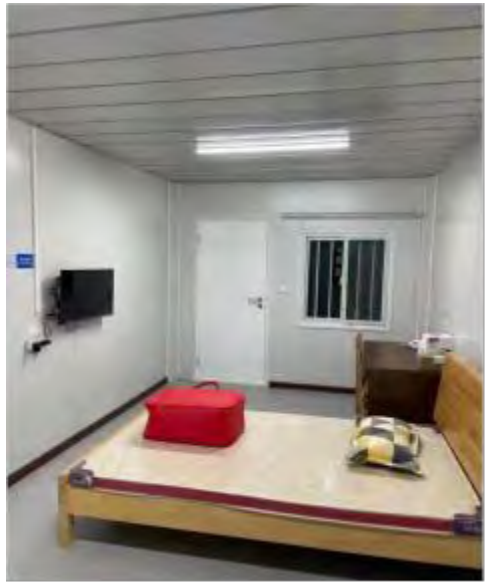
Detachable Container House | Project Display

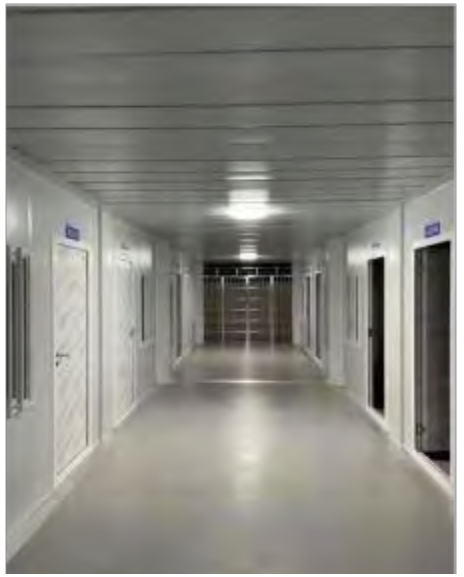
COTTI COFFEE

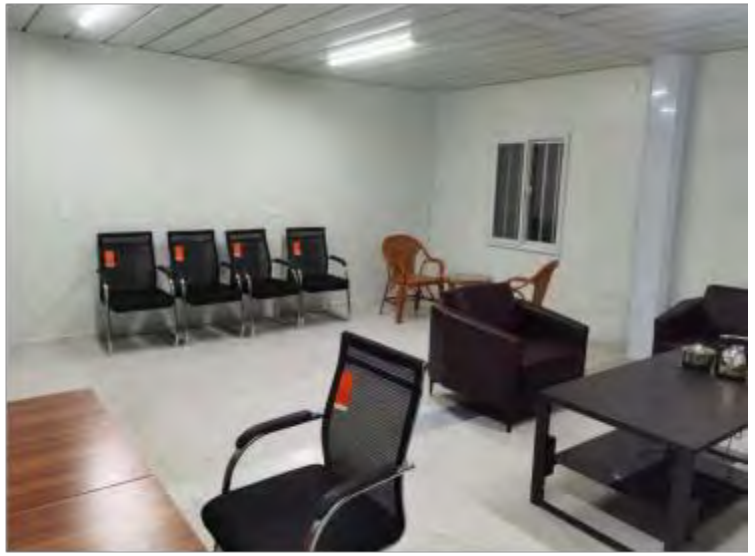
Detachable Container House |Project Display

Detachable Container House

Project Display







Introduction of Foldable Container House

The folding box house is a movable and reusable building product. It can be used alone or combined into living/working spaces with different functions and areas. The box unit structure is a standard component pressed by steel belts. The boxes are connected by bolts. The structure is simple and the installation is convenient and quick.

It is widely used in temporary offices and dormitories on construction sites, and housing for earthquake relief and other fields.

Features of Foldable Container House

1. Fast installation: Use a crane to lift the folding house, and then install and tighten the eight bolts, and a folding box house can be formed, which can be moved and used at will

2. The transportation cost is greatly reduced: 6 sets can be loaded on a 6.8-meter car; 23 sets can be loaded on a 17.5-meter car

3. Storage cost: a set of places can be stacked and stored in multiple layers.

4. Cost of use: Compared with traditional prefab houses, it saves 2/3 of temporary construction costs.

5. Use cycle: Repeated folding 500 times, the service life can reach more than 10 years.

Export Loading | Transportation of Foldable House

20GP | 5-6 20GP | 5-6Units

40HQ | 10-14 40HQ | 10-12Units

Packaging

Loading

Number	Name	Description	Size	Qty	Unit
一	型式一 (Form 1)	(Standard container)	External: 5860mm (L) *2490mm (W) *2530m (H) Internal: 5700mm (L) *2350mm (W) *2410mm (H) Folded: 5860mm (L) *2490mm (W) *320mm(H)	1	Unit
1	(Frame)	(Top girder)	galvalized Steel tube 40mm*60mm*1.5mm+Steel tube40mm*60mm*1.5mm	2	set
		(Bottom girder)	galvalized Steel tube 50mm*100mm*1.5mm+40mm*60mm*1.5mm	2	set
		(Top beam)	P galvalized Steel tube 40mm*80mm*1.5mm	2	pc
		(Top sub-beam)	galvalized Steel tube 40mm*60mm*1.5mm	1	pc
		(Sidewall frame)	galvalized Steel tube 40mm*60mm*1.5+galvalized Steel tube 50mm*100mm*1.5mm	4对	pc
		(Bottom crossbeam)	galvalized Steel tube 40mm*60mm*1.5mm	14	pc
		(Cast steel butt joint Corner Fitting)	steel plate160mm*120mm*8mm	8	pc
		Hinger	High-strength galvanized hinge85mm*115mm*3mm (Shaft column304stainless steel)	36	pc
		(Integral frame protective coating)	electrostatic spraying	1	pc

2	(Top of container)	(External roof)	50mm steel sandwich panel	6	pc	
		(Internal ceiling)	50mm steel sandwich panel		pc	
		Wall panel	density 80kg/m³ rockwool or 14kg/M³ EPS		m²	
3	(Floor)	MGO (asbestos free)	18mm	5	pc	
4	Wall panel	side wall	0.3mm彩钢板/50mm/80kg/m3 rockwool or 14kg/m³ EPS	8	pc	
		Front wall and back wall	0.3mm彩钢板/50mm/80kg/m3 rockwool or 14kg/m³ EPS	6	pc	

5	(Window)	PVC frame	930mm*930mm with fly screen	2	pc	
6	(Door)	High-end container special steel anti-theft door	970mm*1970mm	1	pc	
7	(Electrical system)	(circuit protector)		1	pc	
		Insdustrial socket, will change according to different area		1	pc	
		(Single tube LED light)		1	pc	
		〈Special socket for air conditioner (3 holes)〉		1	pc	
		(Light switch)		1	pc	

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产品质量连万家

Introduction of Flat- Pack Container House

Flat pack container house is a kind of building mode that can quickly assemble a complete set of houses. Its main features are easy demolition, convenient storage, and a temporary house that can be reused many times. In addition to some more mainstream methods in the installation process of the packing box house, there is also the possibility of direct hoisting.

Features of Flat- Pack Container House

1. Convenient transportation, especially suitable for units that frequently change construction sites:

2. Sturdy and durable, all made of steel, with strong shock resistance and deformation resistance;

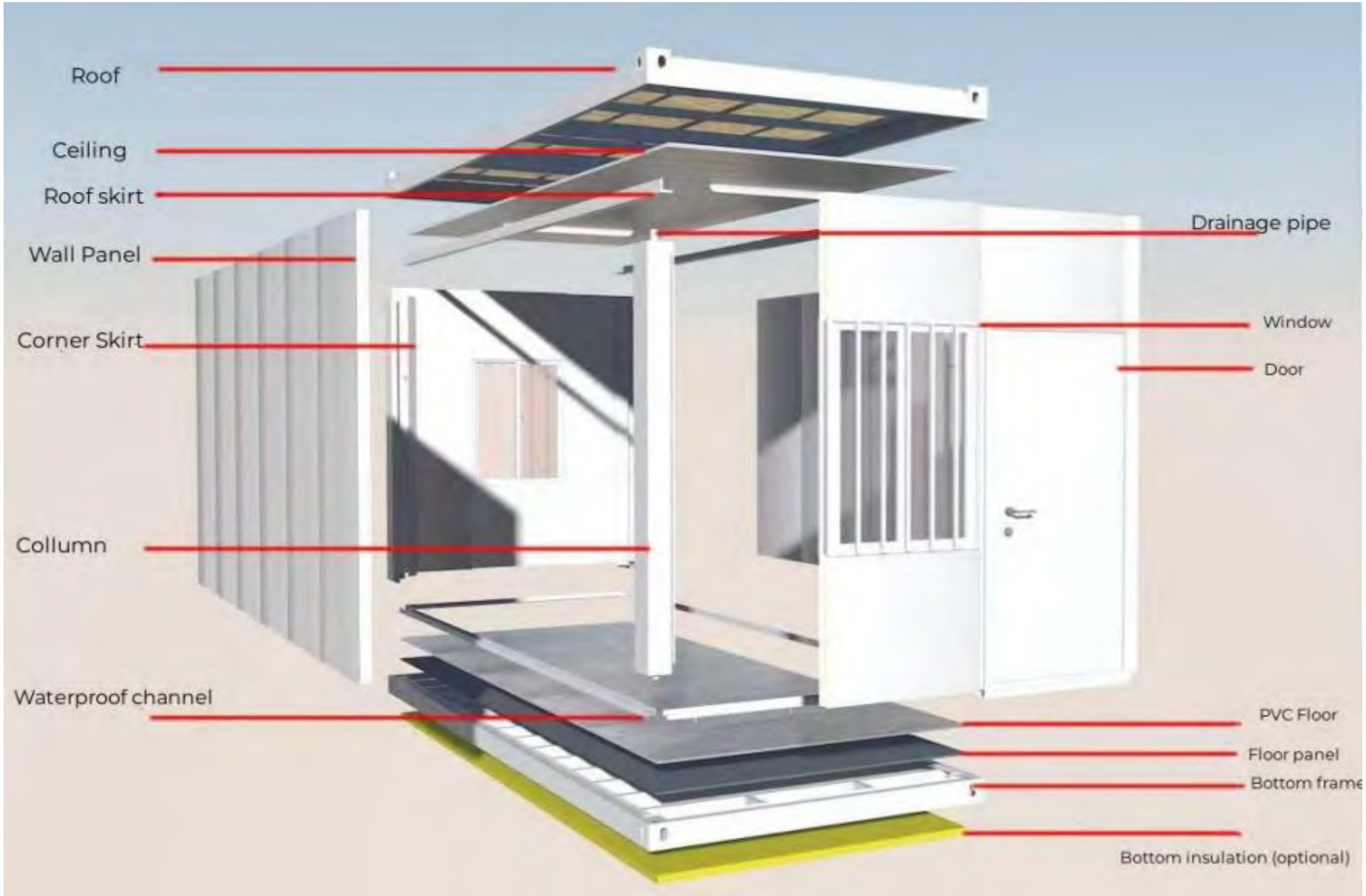
3. The sealing performance is good, and the strict manufacturing process makes this mobile room have good water tightness;

4. The movable room is based on the standard steel chassis which can derive many combination spaces. Such as meeting rooms, dormitories, kitchens, bathrooms, etc.

Specifications of Flat- Pack Container House

Type	Length	Width	Height	Area	Weight
Domestic Dimension	6055mm	2990mm	2896mm	18.1㎡	2060kg
Export Dimension	5950mm	2438mm	2896mm	14.5㎡	2045kg

The structure adopts a steel frame structure system, the floor l ive load is 2.0KN/㎡, the roof l ive load is 0.5KN/㎡, the wind load is 0.6KN/㎡, the seismic intensity is 8 degrees, and the structural des ign per iod is 20 years


Roof
Ceiling
Roof skirt
Wall Panel
Corner Skirt
Collumn
Waterproof channel
Drainage pipe
Window
Door
PVC Floor
Floor panel
Bottom frame
Bottom insulation (optional)

Domestic Loading | Loading of Flat -Pack

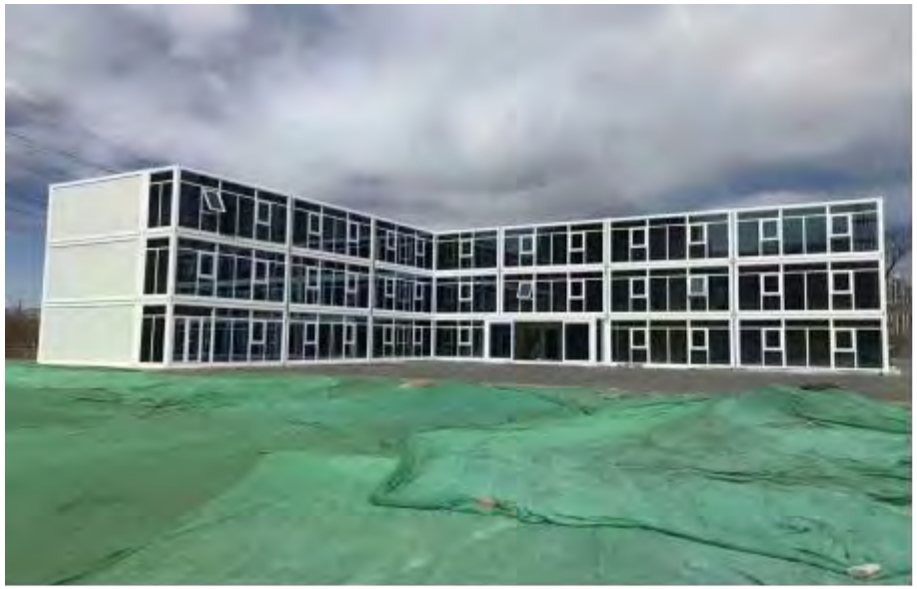
17.5M Truck | 12units

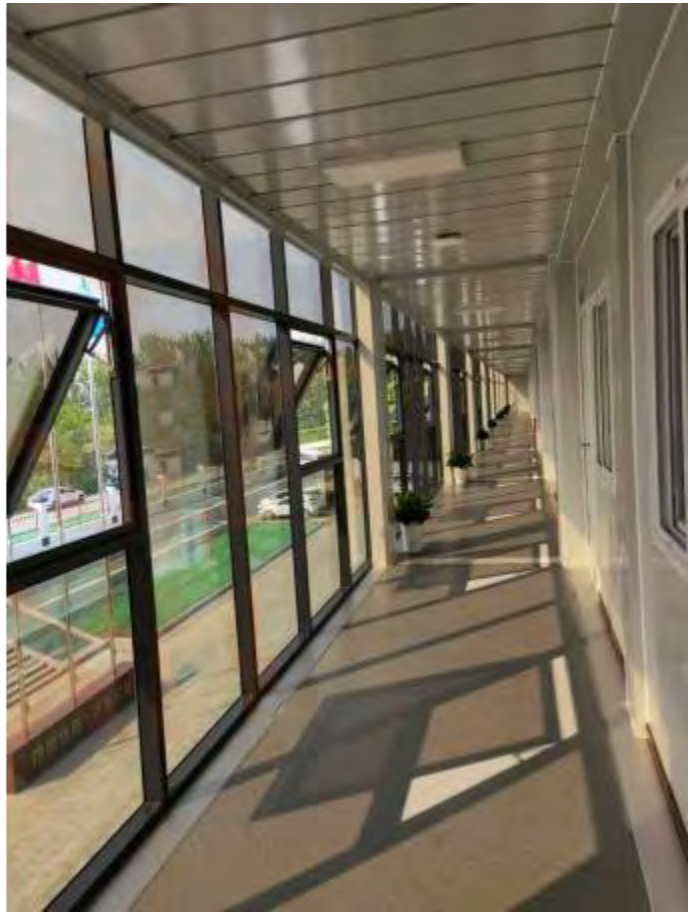
Export Loading | Loading of Flat -Pack

40HQ | 6Units

Packaging

Loading





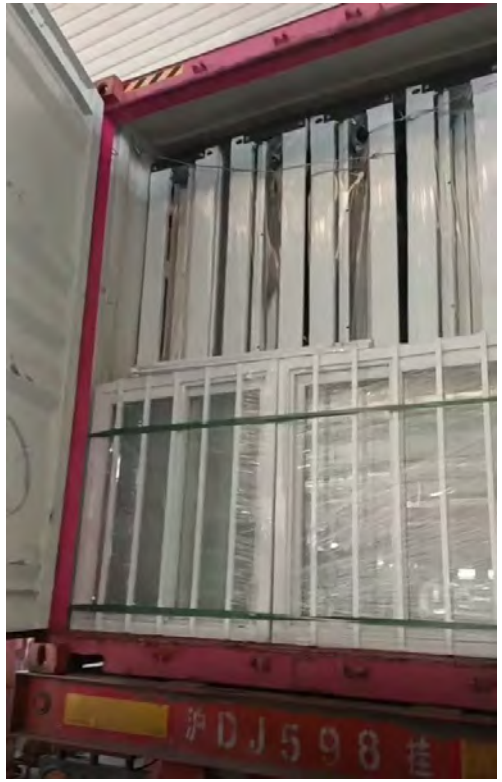
Flat-pack foldable container house

Flat-pack foldable container house is a new type of construction product. Combining the best features of folding boxes and flat-pack boxes, the disassembly and assembly of folding boxes is quick, and the drainage system of flat-pack boxes. more perfect.

The overall structure is still made of light steel to ensure longevity, wind resistance and earthquake resistance.

Flat-pack Foldable Container House

40HQ- 8PCS

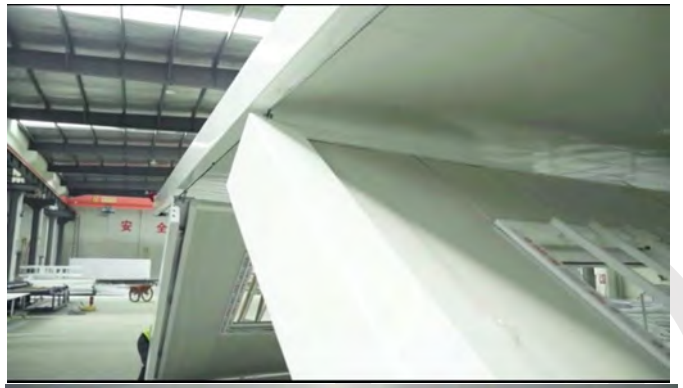


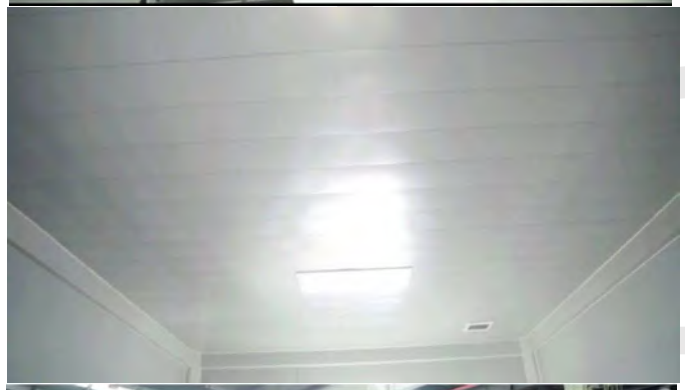
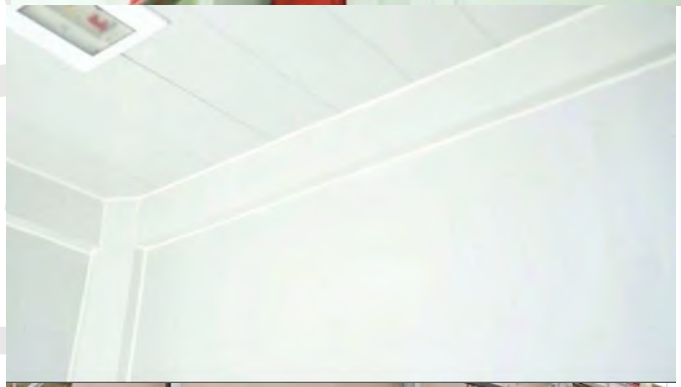
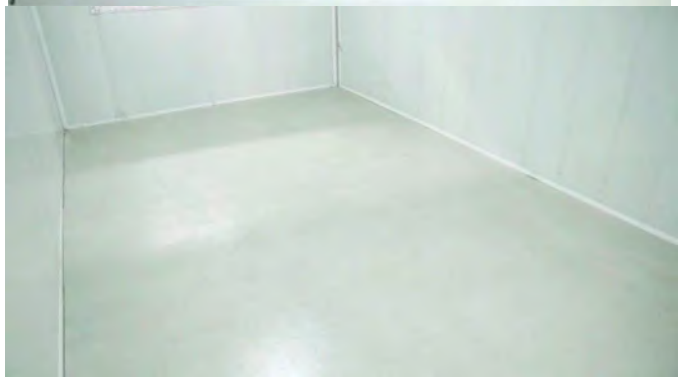
Loading

Name	5800*2438*2530 5630*2280*2200		Name	set	Qty	Remark
	Main frame 2.00mm	Roof frame	2.00mm galvanized profile beam ， galvanized amount 80g/㎡， width 170mm length 5633mm	pc	2.00	
			2.00mm galvanized profile beam， galvanized amount 80g/㎡， width 170mm length 5633mm	pc	2.00	
			Galvanized C80*1.2mm profile, galvanized amount 80g/㎡	pc	7.00	
			30*30*1.0mm galvalized purlins， galvanized amount 80g/㎡，	pc	2.00	
		bottom frame	2.00 mm galvalized beam， galvanized amount 80g/㎡， width 160mm,length 5633mm	pc	2.00	
			2.00 mm galvalized beam， galvanized amount 80g/㎡， width 160,length 5633mm	pc	2.00	
			plumbing steel channel， 5633mm	pc	2.00	
			plumbing steel channel， 2688mm	pc	2.00	
			galvalized 50*100*1.2mm purlins， galvanized amount 80g/㎡	pc	9.00	
			plumbing steel channel， 5630mm	pc	2.00	
			plumbing steel channel， 2280mm	pc	2.00	
		Collumn	2.00 mm galvalized collumn， galvanized amount 80g/㎡ 210mm， 150mm height	pc	4.00	
			connector .0mm， galvanized amount 80g/㎡	pc	8.00	
			L shape strenthening part	pc	8.00	
		Corner connector	7mm corner connector， galvanized amount 80g/㎡ height 210mm width170mm	pc	4.00	
			7mmcorner connector ， galvanized amount 80g/㎡ height 165mm width 150	pc	4.00	
		Color	Bake painted	set	1.00	
		Bolts	galvalized hexagon socket screw	pc	48.00	

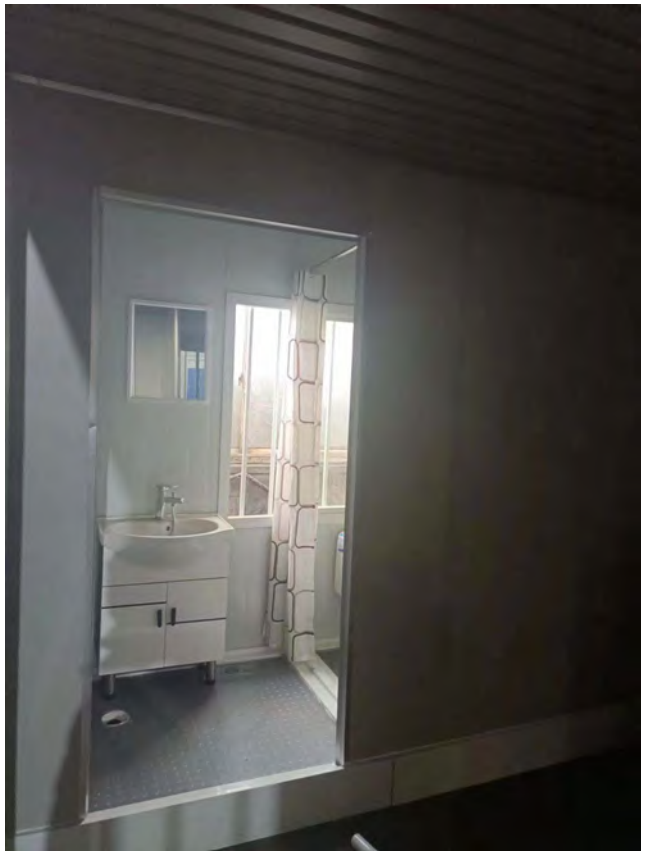
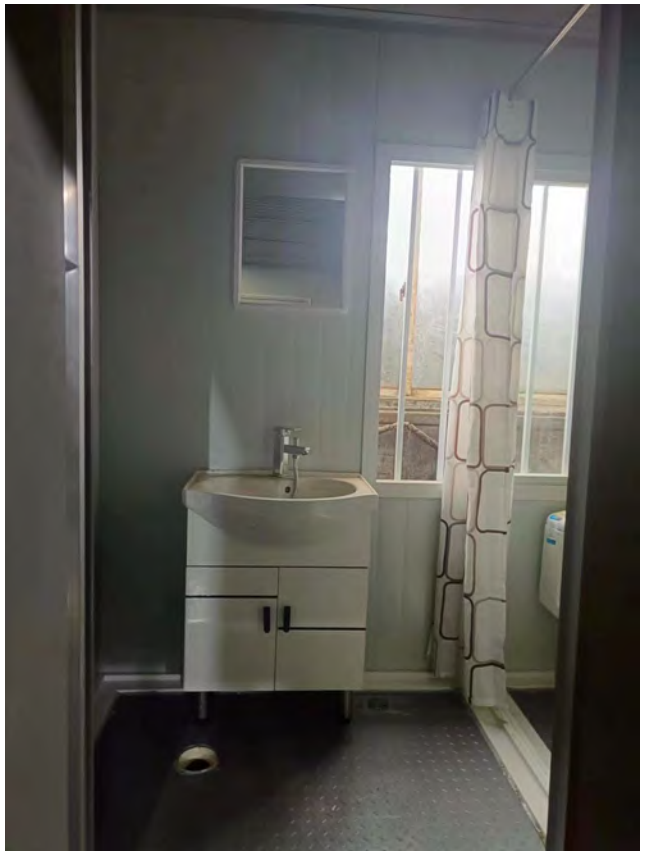
	Roof	Roof	0.25mm steel sheet，360 degree fitting,with special warter proof	set	1.00	
	Plumbin pipe	Plumbin pipe	50mm pvc pipe	pc	4.00	
	Ceiling insulation	Moisture proof	PE moisture proof 1.0mm	set	1.00	
		75mm glass wool	75mm glasswool roll1 4kg/m³			
	Ceiling	Ceiling	0.25mm thick，831 type	set	1.00	
	Floor	cement floor	18mm thick cement fiber floor，1177*2820mm	pc	5.00	
	PVC	PVC	1.6mm，PVC floor	set	1.00	
	Skirting	Skirting	steel skirting	pc	4.00	
	Door	Steel door	925*1970	pc	1.00	
	Window	Single layer glass	925*1130	pc	2.00	
	Accessories	Accessories	screws,glue	pc	1.00	
	Electrical system	Electrical system	industrial socket 32A（1set）Distributor J-8（1个），leakage breaker（32A）AC switch 32A（1个），2 normal sockets，switch 1，2 strip led light。Wire: main wire 4sqm AC 4sqm socket 2.5 sqm light sqm 1.5 sqm	set	1.00	
	wall panel	0.25mm steel	50mm steel sandwich panel，steel0.25/0.25mm 70kg/m³	set	1.00	

Flat-pack Foldable Container House | Project Display



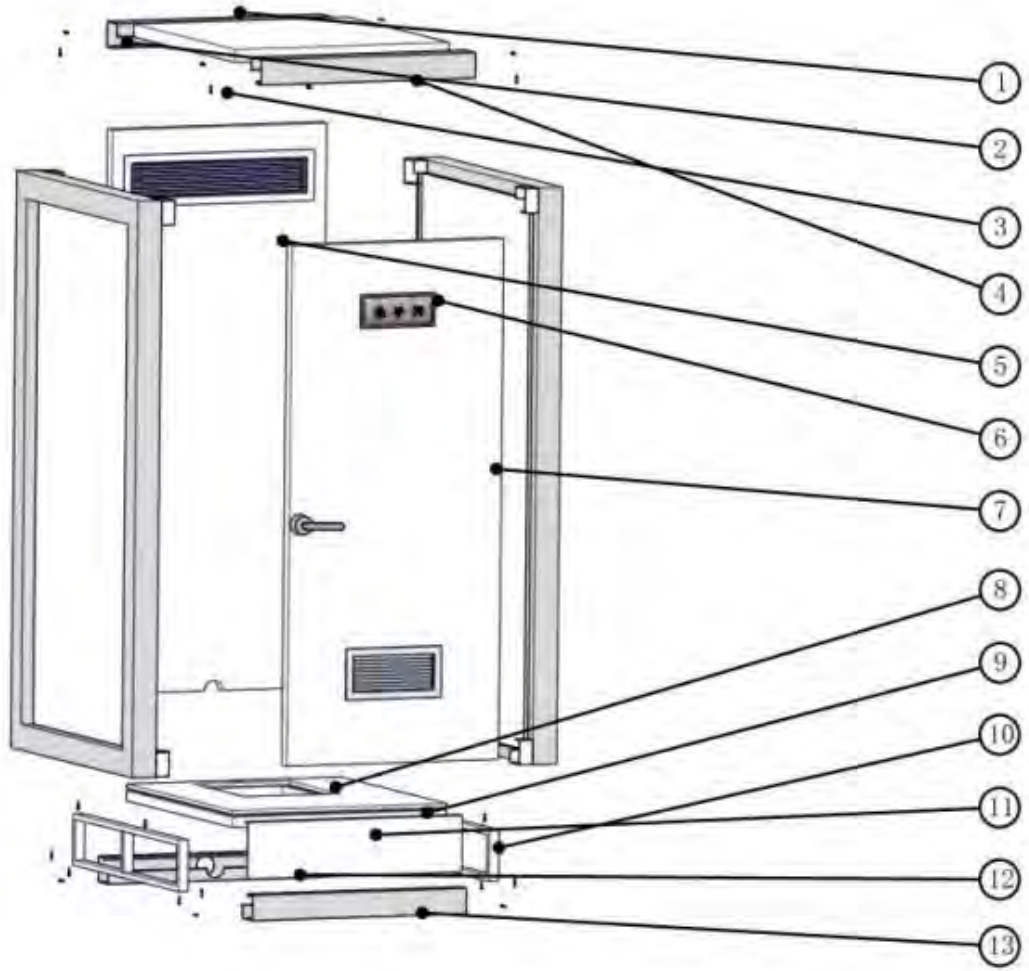
Indoor bathroom | Project Display

Indoor bathroom | Project Display

Material List

Prefabricated Outdoor Toilet



1: Roof Panel

2: Rear Top Beam

3: Self-tapping Screws

4: Front Top Beam

5: Rear Panel

6: Side Panel

7: Swing Door

8: Skid Plate

9: Chassis Bracket

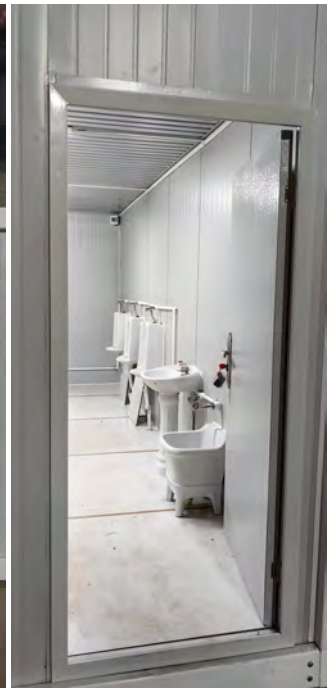
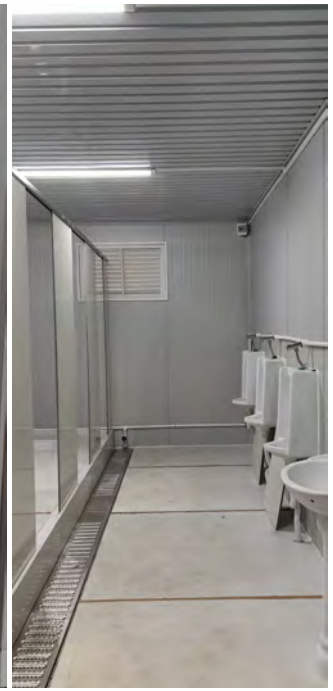
10: Chassis Outriggers

11: Access Panel

12: Rear Drainage Beam

13: Front Bottom Beam

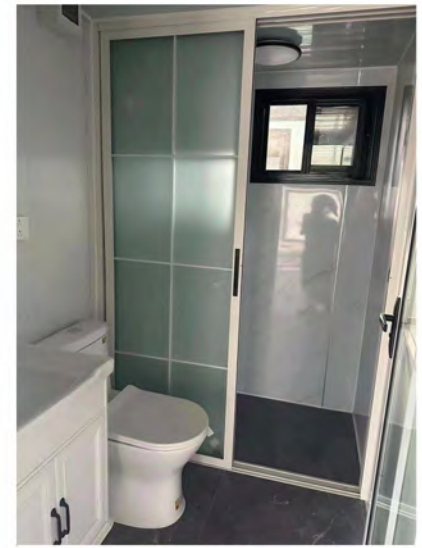
Prefabricated Toilet

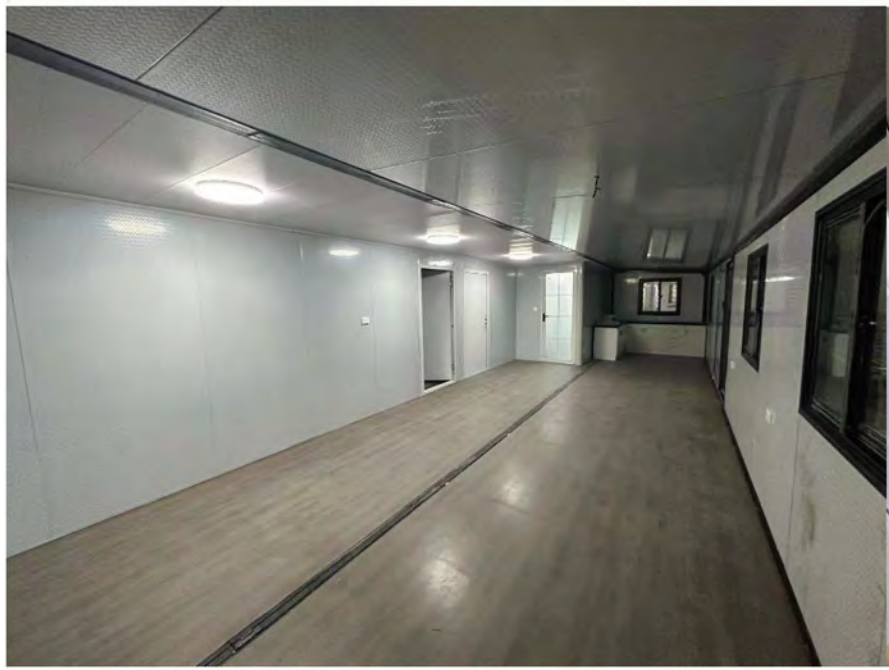



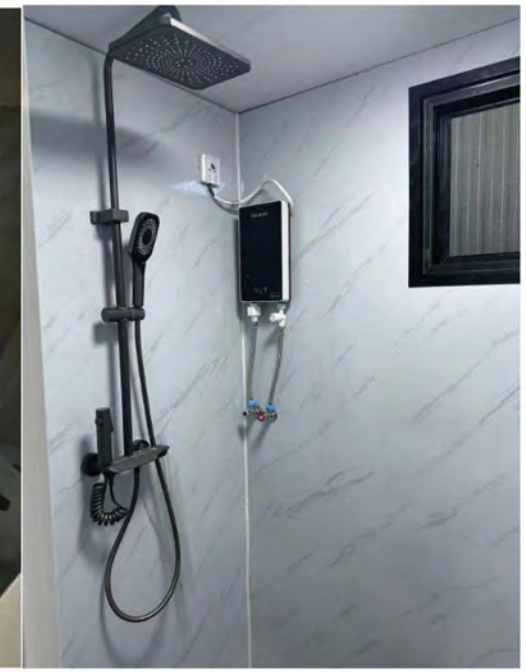
Introduction of Expandable House

Expandable house is easy to disassemble, superior performance, stable and firm, tight seal, heat insulation, waterproof structure, lake corrosion resistance, beautiful fire prevention,various colors, waterproof and fireproof, anti-corrosion and shockproof and other good performances, the overall weight is light, the service life can reach more than 10 years.

The structure is simple and the installation is convenient and quick,It is widely used in leisure villas, vacation houses, temporary offices and resettlement.







40HQ | 2Units

Packaging

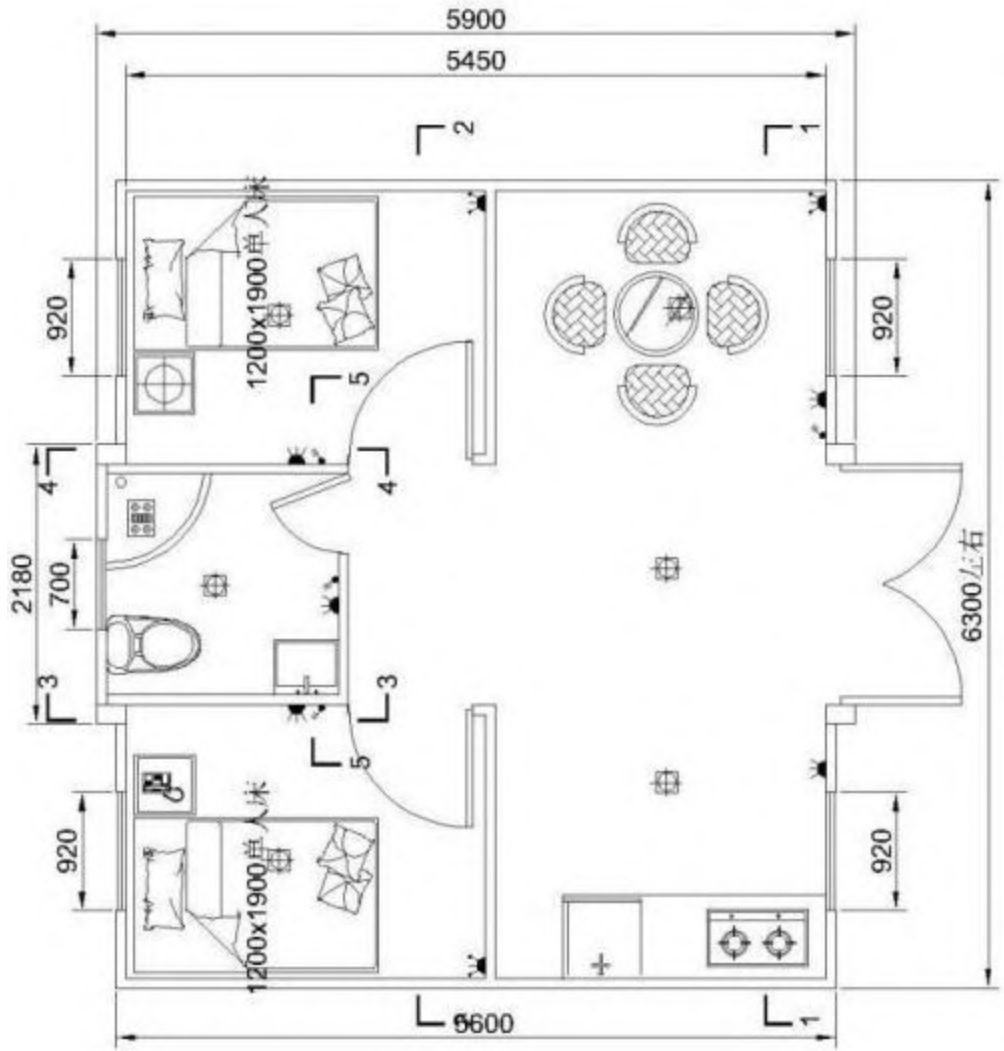
Loading

Material List Expandable House

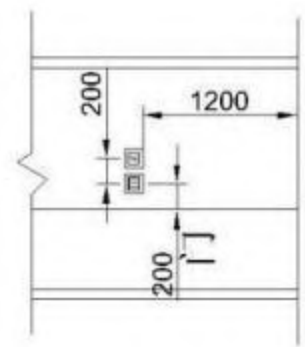
Feature	External Dimension(mm)	6320*5900*2480(20尺) 11800*6360*2480 (40尺)
	Internal Dimension(mm)	6160*5560*2240 (20尺) 11640*6020*2240 (40尺)
	Folded Dimension(mm)	2200*5900*2480
	Weight(kg)	2200
Structure	Middle Beam	T2.5mmQ235B
	Bottom Beam	T2.5mmQ235B
	End Side Beam	t1.5mmQ235B
	Column	T2.5mmQ235B
	Side Wall Frame	t1.5mmQ235B
	Subframe	t1.5mmQ235B
	Hanger	t4mmQ235B
	Hinge	13mm Galvanized Hinge
	Coating	Electrostatic Spray/ Straight White Plastic Powder
	Middle Cabinet Top and Bottom	80*100
	Side Cabinet Top and Bottom	40*60 t =1.5
Top	Roof	t0.5mm Galvanized sheet
	Celling	831 Celling
Panel	Middle Roof Insulation	T50mm Glass Wool (Side Roof 50 board)

Panel	Middle Roof Insulation	T50mm Glass Wool (Side Roof 50 board)
	Side Walls,Front and Rear Wall Panels	t50mm Glass Wool Color Steel Plate or t50mm EPS Board
	Internal Partition	t50mm EPS Panel
	Bathroom	1700*1500mm
Floor	Middle Floor	MGO Fire-Proof Floor 15mm
	side Floor	Bamboo Floor
Electric System	Electrical wiring is installed in strict accordance with moisture-proof specifications, and all electrical products must comply with CE certification. Connect the circuit according to the circuit engineering specification, indoor: 2 LED lamps, 2 ceiling lamps, 3 five-hole single-opening sockets, 1 single-opening socket, 3 ten-hole sockets, 1 air-conditioning socket, 1 20A leakage protector. Voltage 220V, 50HZ	
Door	2 Ordinary Anti-theft Door	
Window	4 Plastic steel single glass sliding window (920*1120)	
Warranty	One Year	

Layout of Expandable House(20ft)

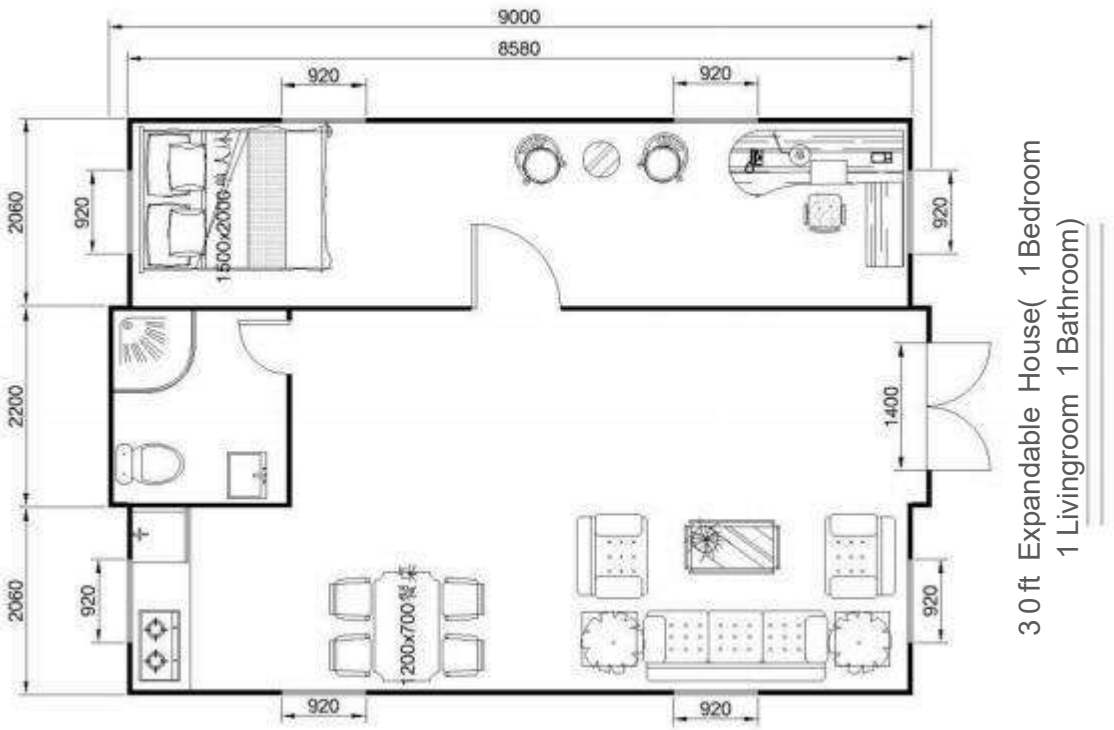


Circuit Diagram of 20ft Expandable House
(2 Bedroom 1 Livingroom 1 Bathroom)

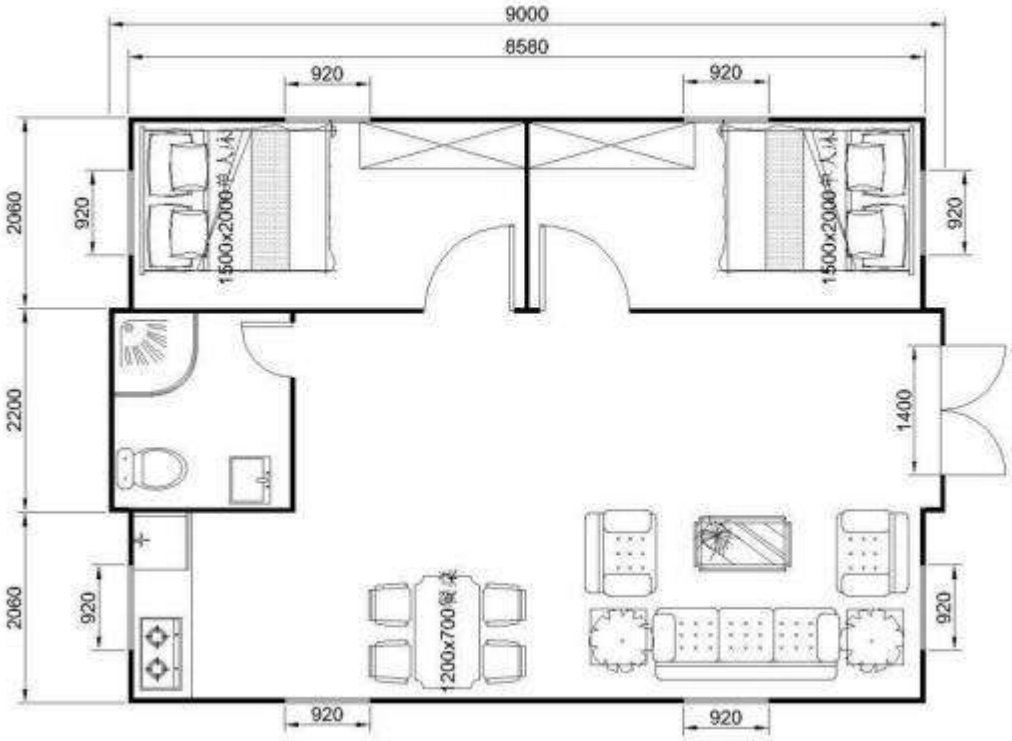


5-5

Layout of Expandable House(30ft)

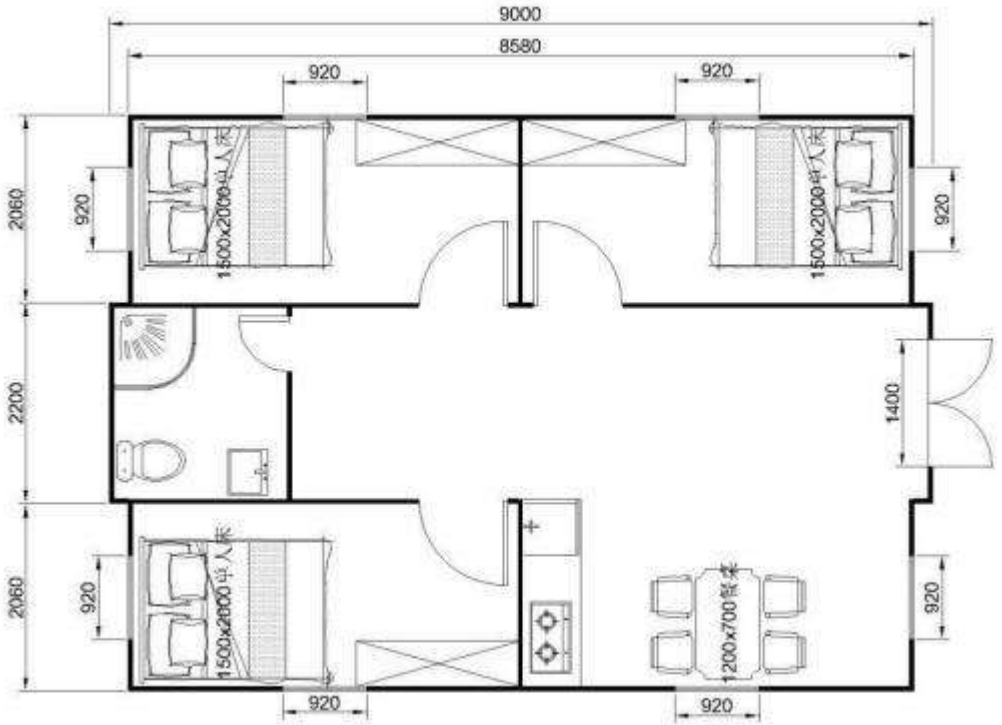


30ft Expandable House(1Bedroom
1Livingroom 1Bathroom)

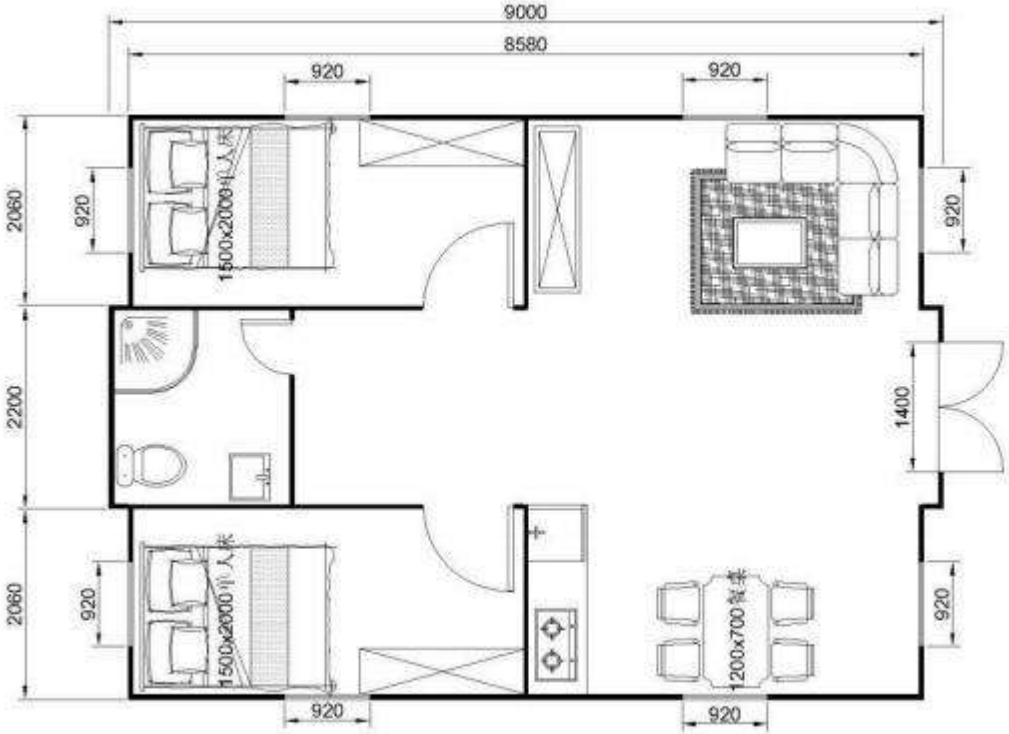


30ft Expandable House(2 Bedroom
1Livingroom 1Bathroom)

Layout of Expandable House(30ft)

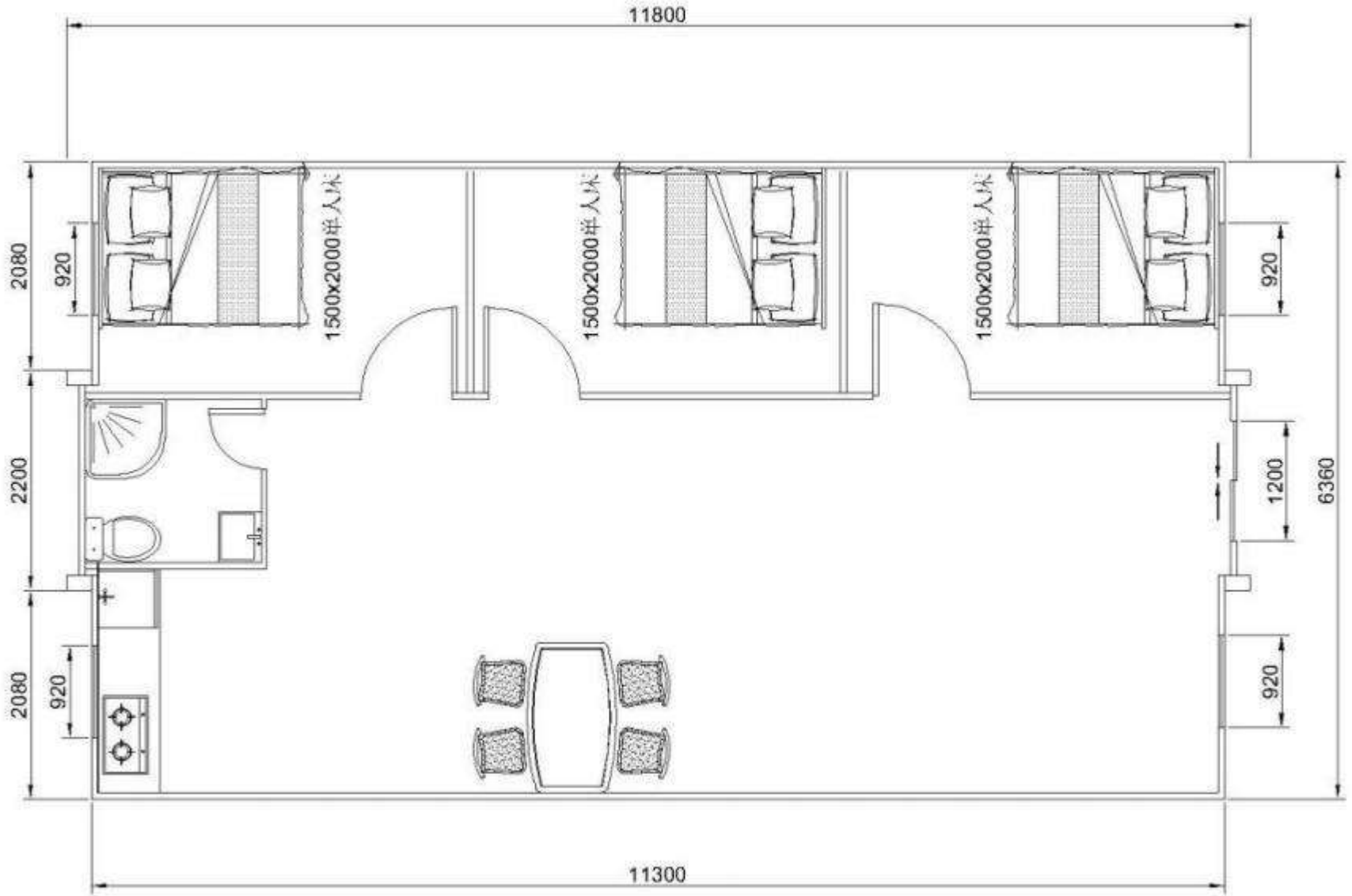


30ft Expandable House(3 Bedroom
1 Livingroom 1 Bathroom)



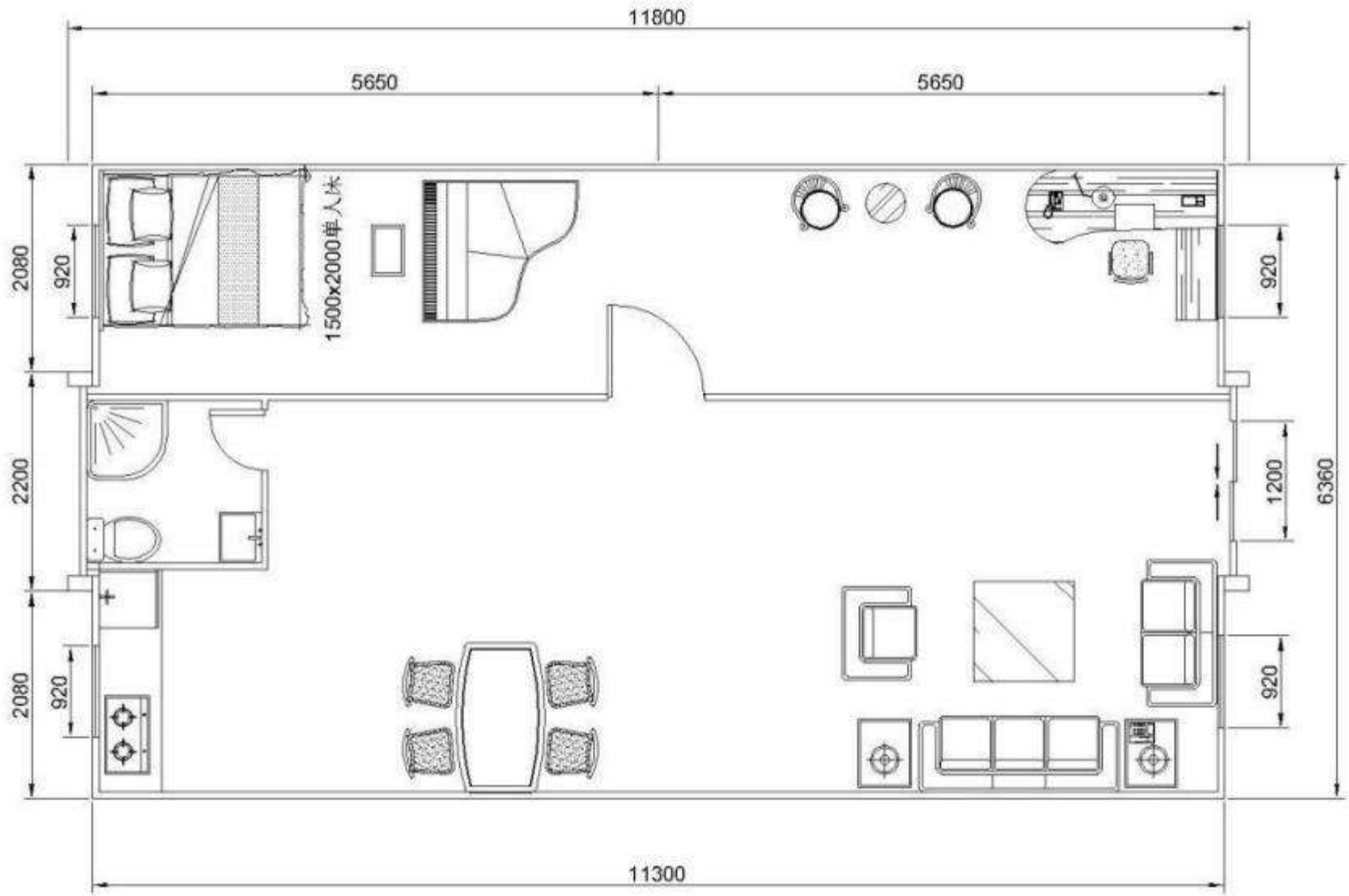
30ft Expandable House(2 Bedroom
1 Livingroom 1 Bathroom)

Layout of Expandable House(40ft)



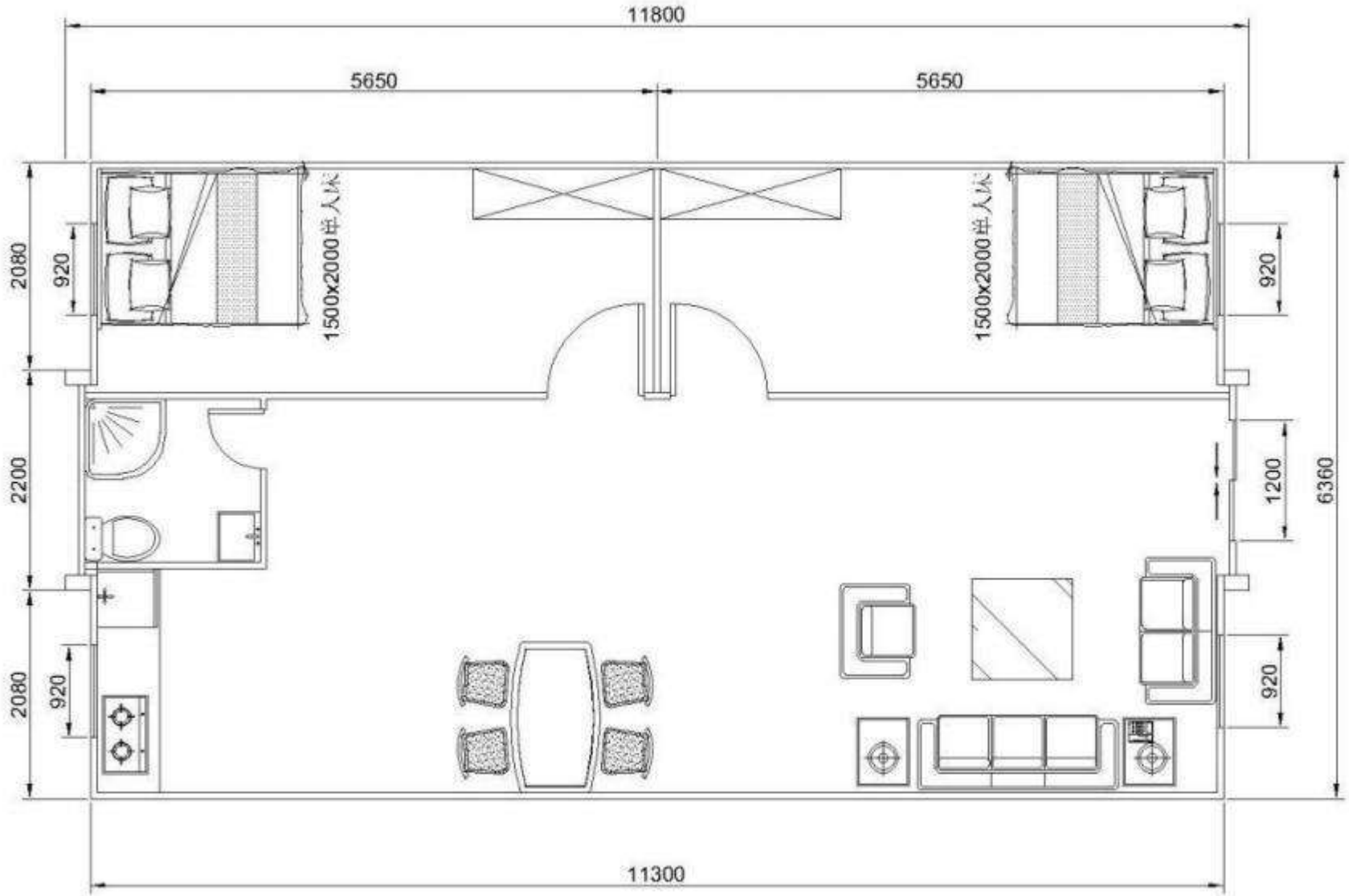
40 ft Expandable House(3 Bedroom
1 Livingroom 1 Bathroom)

Layout of Expandable House(40ft)



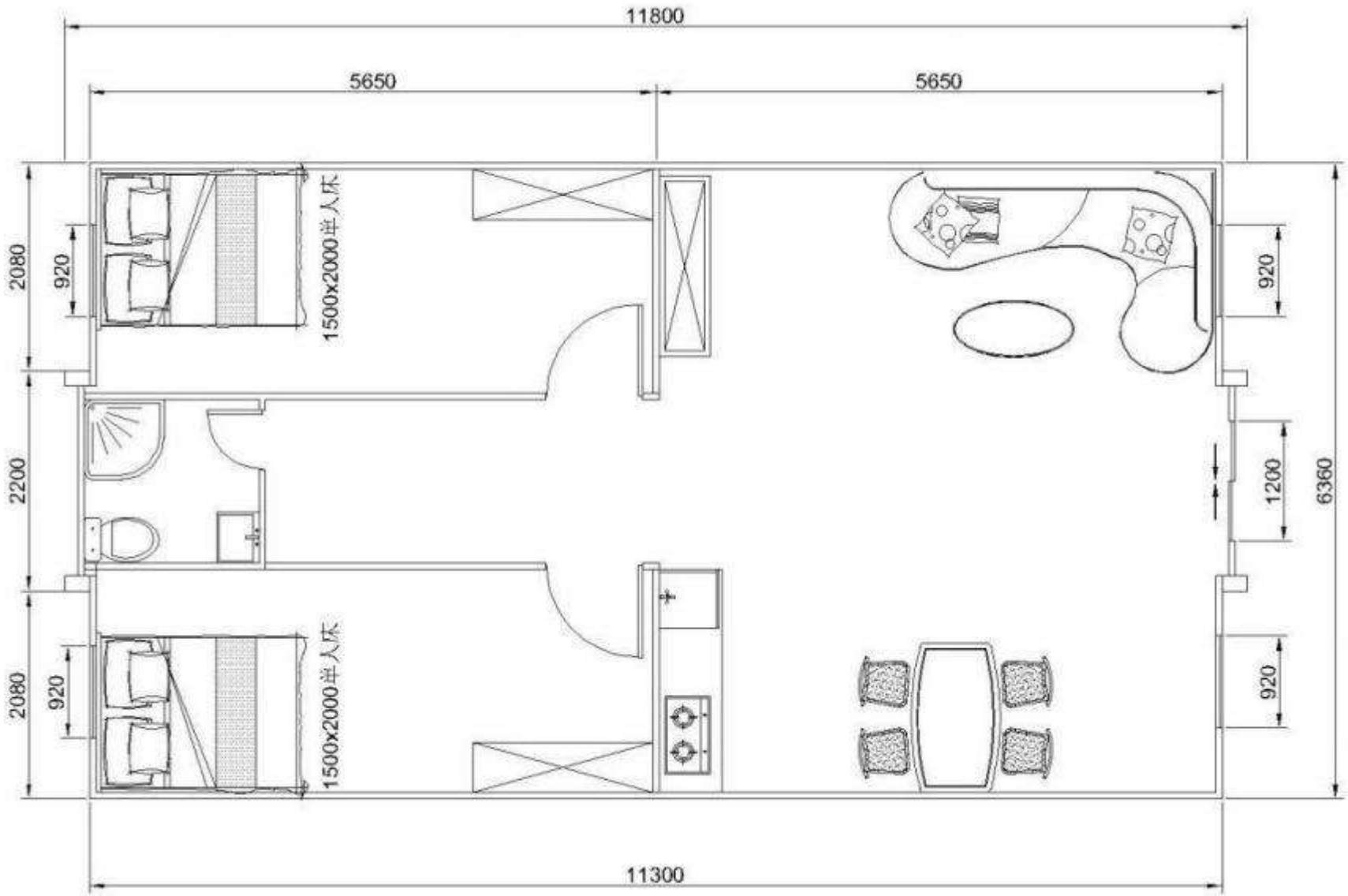
40ft Expandable House(1Bedroom
1Livingroom 1Bathroom)

Layout of Expandable House(40ft)



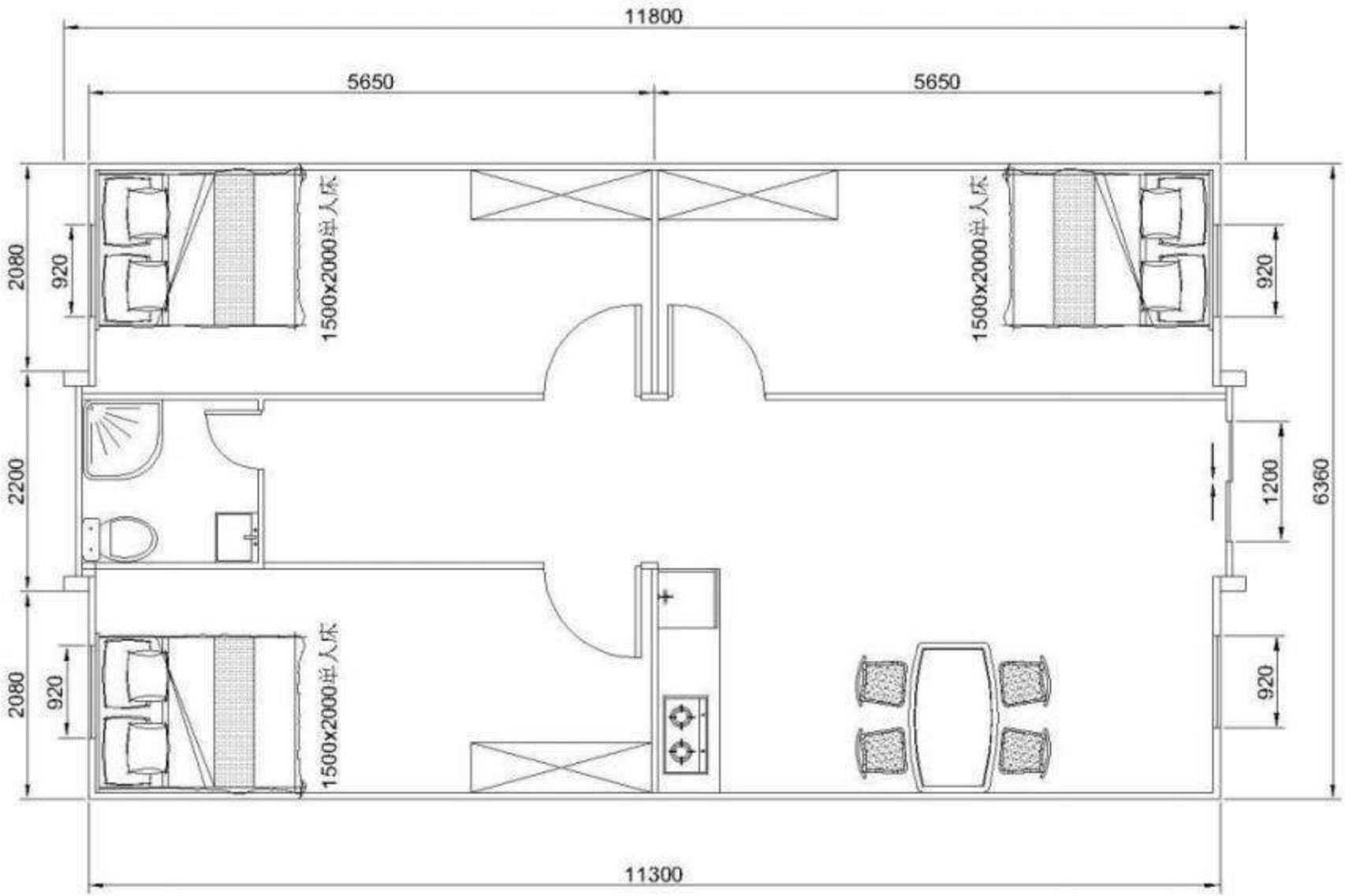
40 ft Expandable House(2 Bedroom
1 Livingroom 1 Bathroom)

Layout of Expandable House(40ft)



40 ft Expandable House(2 Bedroom
1 Livingroom 1 Bathroom)

Layout of Expandable House(40ft)



40 ft Expandable House(3 Bedroom
1 Livingroom 1 Bathroom)

Introduction of Corrugated Container House

The corrugated container house has strong and durable features, all of which are assembled with steel materials, and use a seamless welding method, which has the functions of anti-corrosion, waterproof, windproof, electricity-proof, fire-proof and earthquake-resistant.

In addition to the above advantages, the corrugated container house also has the advantage of easy disassembly and assembly. It can be directly transported to the desired destination by means of a crane, and then hoisted on site and directly moved in, and even the daily necessities inside can be carried with the crane. take away.

Feature of Corrugated Container House

1. Convenient and fast: fast and convenient to move, flexible combination. Hoisting on the same day, check-in on the same day; it is convenient to change the site, use the hoisting truck to directly move the entire container to any position you want at any time.

2. Safety: Steel frame structure, Class A fire prevention, heat insulation, windproof, shockproof, moisture-proof, waterproof, leakage-proof, environmental protection and safety.

3. Durability: The outer wall of the steel plate is corrosion-resistant, acid-resistant, no rust or cracks, and the service life is more than 10 years.

4. Sound insulation and heat insulation: it adopts air-break heat design, which has good sound insulation and heat insulation.

5. Aesthetics: It can be designed in various shapes, the outer wall has many colors, and the appearance is bright and beautiful.

6. Strong load-bearing capacity, can be stacked together for use.

Analys is Diagram | Corrugated Container

Standard Dimension: 6*3*2.8M

Mater ial List| Corrugated Container

Corrugated Container

No.	Materials	Specifications	Remark
1	Bottom	12# Galvanized Channel Steel	45kg
2	Column	100*100 Galvanized Tube	t=2.0mm
3	Beam	100*100 Galvanized Tube	t=2.0mm
4	Chassis Structure	40*80 Galvanized Roller Pieces	t=1.8mm
5	Chassis accessories	5# Galvanized Angle Steel	
6	Hanger	Standard Stamping Firmware	t=7.0mm
7	Top Structure	50*50 Galvanized Tube	t=1.8mm
8	Panels	2500*1150*50 Corrugated Board	t=0.5mm,40g glass wool
9	Fire Proof Floor	2800*1160*18 Sanding Board	Grade A Fireproof
10	Celling Tile	Color Steel Plate	t=0.3mm
11	Roof Insulation	Glass Wool	t=7cm
12	Roof Tile	Color Steel Plate	t=0.5mm
13	Door	1970*900*50 Steel Fireproof Door	Standard
14	Window	Aluminum Window	Standard
15	Supporting Facilities	Galvanized Steel Plate	t=1.2mm
16	Breaker	1pc	
17	Conditioner Outlet	1pc	
18	Five Hole Outlet	4pcs	
19	Single Switch	1pc	
20	18W Round Lamp	2pcs	
21	Wire		
22	Conditioning Rack	1pc	

Corrugated Container | Project Display

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