12.3.2 c) Wattlesea Modular Buildings Brochure

WATTLESEA
MODULAR BUILDINGS

FOLDABLE CONTAINER HOUSE (Z-TYPE)

Premium Modular Building Solutions



INNOVATIVE DESIGN
BUILT FOR FLEXIBILITY
AND PERFORMANCE

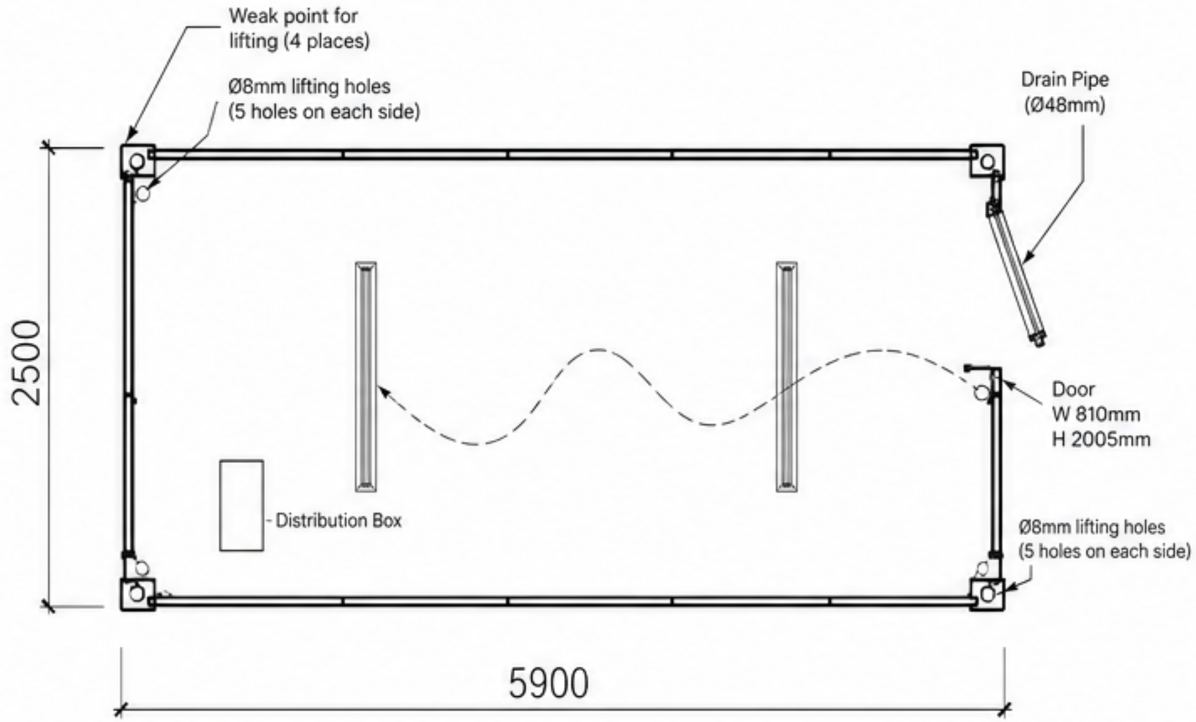
FOLDABLE DESIGN
Quick to install and transport

DURABLE & STRONG
Built with high quality steel structure

TIME SAVING
Fast assembly and setup

MULTI-PURPOSE
Suitable for a wide range of applications

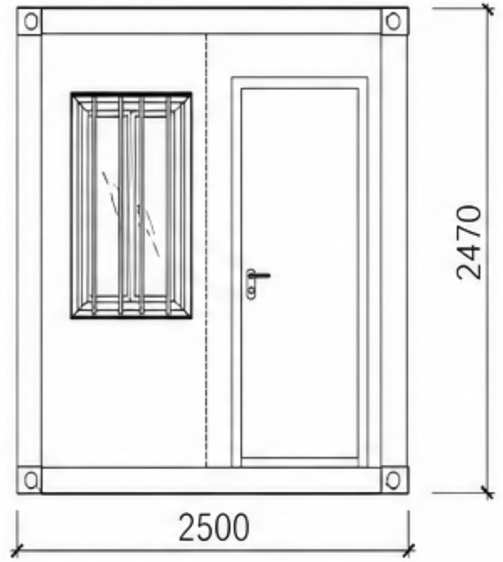
FLOOR PLAN



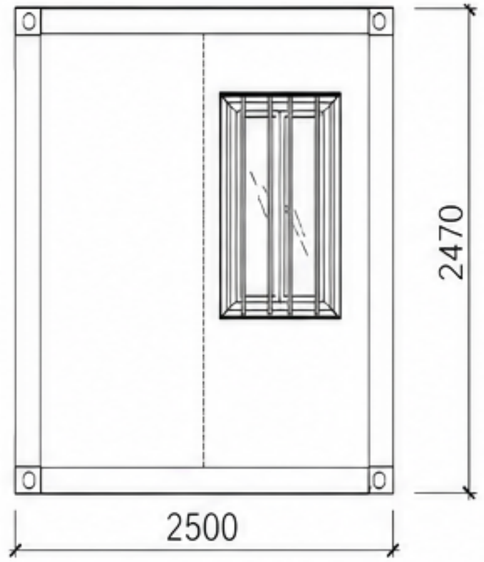
DETAILS			
NO.	NAME	SIZE	REMARKS
C-1	WINDOW	800 × 1100 mm	Plastic steel, double-layer, anti-theft net
M-1	DOUBLE DOOR	810 × 2005 mm	Steel security door (fireproof option available)

All dimensions in mm. Tolerance ±5mm.

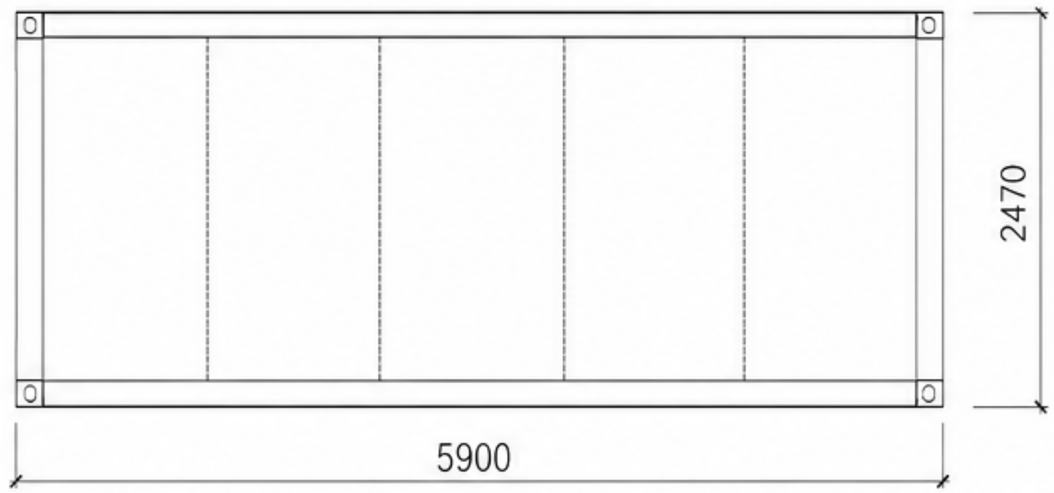
FRONT ELEVATION



REAR ELEVATION



SIDE ELEVATION



TECHNICAL SPECIFICATIONS

CATEGORY	ITEM	SPECIFICATION
STRUCTURE	Frame	Galvanised steel structure
	Roof Load	0.6 kN/m²
	Floor Load	2.0 kN/m²
	Wind Resistance	0.6 kN/m² (Grade 10)
	Earthquake Resistance	Grade 8
	Service Life	More than 20 years
EXTERIOR	Roof Panel	50mm EPS sandwich panel with 0.40mm color steel sheet
	Wall Panel	50mm EPS sandwich panel with 0.40mm color steel sheet
	Floor Panel	18mm MGO board + 1.5mm PVC floor covering
	Door	Steel security door (810 x 2005 mm)
	Window	Aluminium alloy sliding window (800 x 1100 mm) with double layer glass, security bars and fly screen
	Exterior Finish	Powder coated
INTERIOR	Wall Finish	PVC wall panels
	Ceiling	PVC ceiling panels
	Floor Finish	PVC floor covering
	Insulation	EPS core – thermal & sound insulation
	Electrical System	Concealed wiring, LED light, power points, distribution box with circuit breaker
	Switch & Socket	International standard
DIMENSIONS & WEIGHT	External Dimensions (L x W x H)	5900 x 2500 x 2470 mm
	Internal Dimensions (L x W x H)	5660 x 2350 x 2200 mm
	Folding Height	400 mm
	Gross Weight	Approx. 1,250 kg

All dimensions in mm. Tolerance ±5mm.

HIGH STRENGTH
Galvanised steel structure for superior durability and long service life.

THERMAL INSULATION
Insulated panels provide excellent thermal and sound performance.

RAPID INSTALLATION
Foldable design allows quick setup and easy transportation.

SAFE & RELIABLE
Engineered for safety with wind and earthquake resistance.

SUSTAINABLE
Reusable materials with low environmental impact.

EXPLODED VIEW



1 Roof Panel
50mm EPS sandwich panel
with 0.40mm color steel sheet

2 Top Frame
Galvanised steel structure

3 Wall Panel
50mm EPS sandwich panel
with 0.40mm color steel sheet

4 Window
Aluminium alloy sliding
window (800 x 1100 mm)
with double layer glass,
security bars and fly screen

5 Floor Panel
18mm MGO board +
1.5mm PVC floor covering

6 Bottom Frame
Galvanised steel structure

7 Corner Fitting
Cast steel corner fitting

8 Door
Steel security door
(810 x 2005 mm)

9 Column
Galvanised steel
structure

10 Wall Finish
PVC wall panels

11 Ceiling Panel
PVC ceiling panels

12 Drain Pipe
Ø48mm PVC pipe
(4 places)

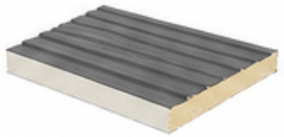
NOTES:

- All steel components are hot-dip galvanised for corrosion protection.
- Sandwich panels provide excellent thermal and sound insulation.
- Panels are pre-fabricated for fast and easy installation.

PRE-FABRICATED DESIGN
All components are factory produced for precise fit, strength and durability.

DETAILED EXPLODED COMPONENTS

1 Roof Panel



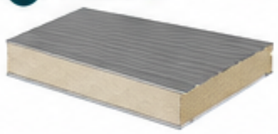
- 50mm EPS sandwich panel
- 0.40mm color steel sheet
- Excellent thermal insulation
- Effective waterproofing

2 Top Frame



- Galvanised steel structure
- Welded for strength
- Anti-corrosion treated

3 Wall Panel



- 50mm EPS sandwich panel
- 0.40mm color steel sheet
- Fire retardant (B1 grade)
- Easy to install

4 Window



- Aluminium alloy sliding window
- Size: 800 x 1100 mm
- Double layer glass
- Security bars & fly screen

5 Floor Panel



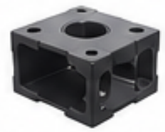
- 18mm MGO board
- 1.5mm PVC floor covering
- Moisture resistant
- High load capacity

6 Bottom Frame



- Galvanised steel structure
- Strong and durable
- Anti-corrosion treated

7 Corner Fitting



- Cast steel corner fitting
- High strength
- Secure connection

8 Door



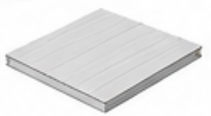
- Steel security door
- Size: 810 x 2005 mm
- Optional: fireproof door

9 Column



- Galvanised steel column
- Strong load-bearing
- Corrosion resistant

10 Wall Finish



- PVC wall panels
- Smooth finish
- Easy to clean

11 Ceiling Panel



- PVC ceiling panels
- Lightweight
- Moisture resistant

12 Drain Pipe



- Ø48mm PVC pipe
- 4 places
- Efficient drainage

HIGH QUALITY MATERIALS
All materials are carefully selected for durability, safety and long service life.

PRECISION ENGINEERED
Every component is precision engineered for perfect fit and reliable performance.