PREFAB TURKEY

MODULAR · PREFAB · STEEL

FROM TÜRKİYE TO THE WORLD

# Company Profile and Modular Container Catalogue

## FLAT-PACK CONTAINERS · SECURITY CABINS · SANITARY CABINS

Engineered and manufactured in Türkiye for international projects.
Modular · Prefab · Steel — from Türkiye to the world.



info@prefabturkey.com · www.prefabturkey.com

# Prefab Turkey

Prefab Turkey supplies flat-pack and monoblock containers, modular buildings, workforce camps and steel structures from Türkiye to international projects. Every unit is engineered around the destination, the intended use and the local assembly resources: the approved quotation, calculations and project drawings always define the final supply.

Send your layout, dimensions and required fittings.
Your quotation confirms the configuration and manufacturing scope.
1-year warranty. 10-year chassis warranty.

| | |
|---|---|
| Manufacturing facility | 38,000 m² production facility in Yalova, Türkiye |
| Project quantities | Quantities and production dates are confirmed in the quotation. |
| Quality | Selected suppliers are ISO 9001 certified. Applicable supplied components are CE-marked. |
| Engineering | Structural design to the Eurocodes; project-specific calculations on request |
| Export | Flat-pack and assembled deliveries worldwide; up to 8 flat-pack sets per 40' HC container, up to 12 sets per truck |
| Contact | info@prefabturkey.com · www.prefabturkey.com |



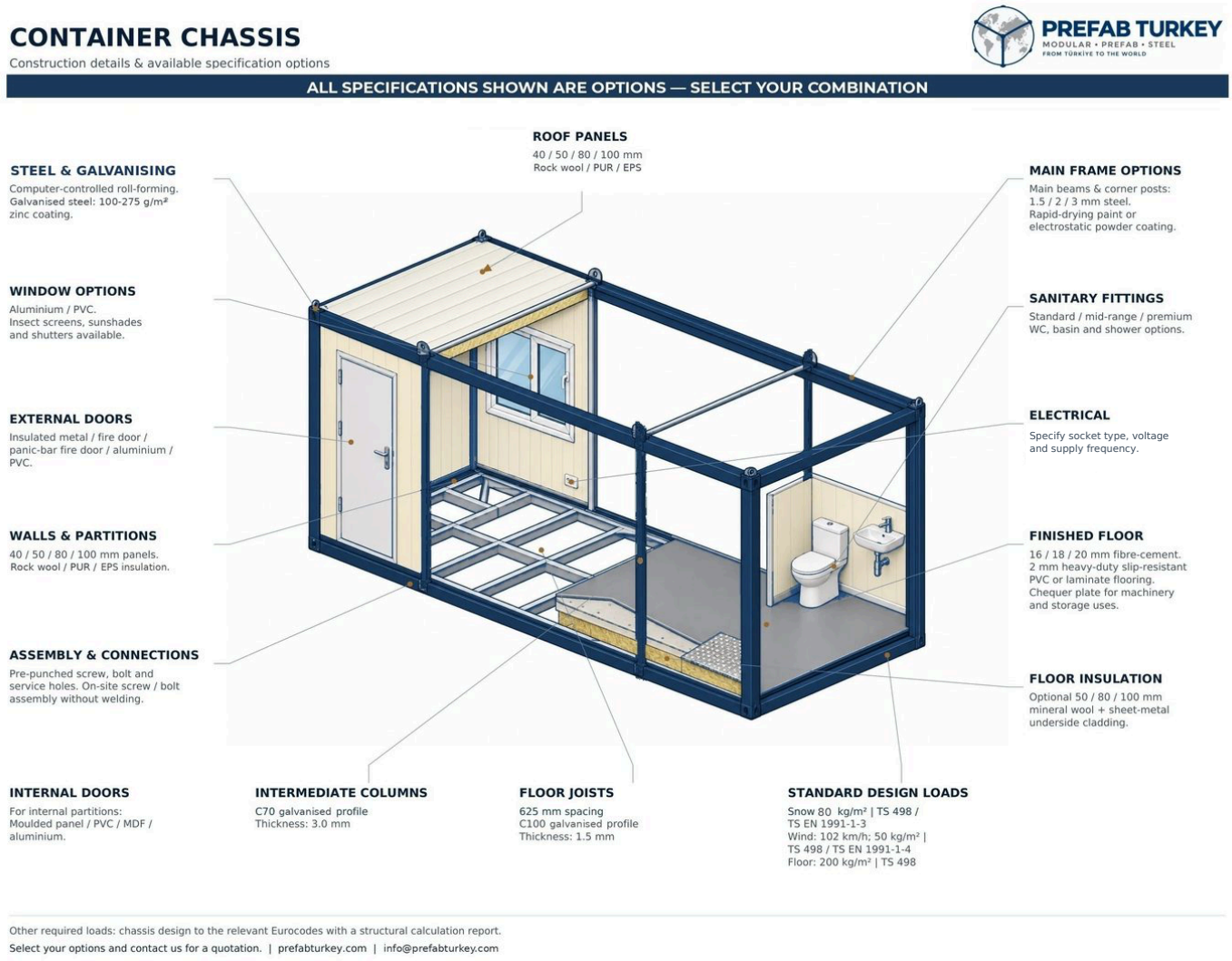
Flat-pack modules during assembly: floor frame, corner posts, roof set by crane, then wall panels one by one.

# Engineering & Technical Specifications

Clear early data. Project-specific final engineering. The values below support initial system comparison; member thicknesses, connections, insulation, loads, fire performance and service systems are verified for each project and destination. The wind speed and wind load are the standard reference pair for the standard unit.

## Container chassis design

A coordinated steel frame brings the roof, floor and modular connections together. Light-gauge steel profiles are manufactured from galvanised steel sheet on computer-controlled roll-forming lines, with pre-punched screw, bolt and service holes for accurate fit-up. Screw and bolt connections enable quick on-site assembly without welding.




Container chassis: every specification shown is an option — select your combination.

| Item | Configurable specification |
|---|---|
| Module platform (reference) | Approx. 2.40 m × 5.95–6.00 m; project-specific sizes can be engineered |
| External height (reference) | Approx. 2.60–2.80 m, depending on system and transport strategy |
| Primary steel & corrosion protection | Galvanised structural steel; corrosion-protection specification selected for the project. Zinc coating (galvanising) 100–275 g/m² according to the selected specification; rapid-drying paint or electrostatic powder coating |
| Chassis steel thickness | 1.5 mm, 2 mm or 3 mm, selected to suit the project and structural design |

| | |
|---|---|
| Frame format | Factory-complete welded frame or demountable / bolted flat-pack configuration |
| Forklift handling | Fork pockets integrated in the base frame for forklift lifting |
| Stacking | Up to three storeys may be developed, subject to structural design, fire strategy, access and local approvals |

## Standard design loads

Reference values for the standard unit. These are minimum design values and can be increased on request. For other loading requirements the chassis can be designed to the relevant Eurocodes with a structural calculation report; share the project location and required design loads with your enquiry.

| Design action | Standard value & reference |
|---|---|
| Snow load | 80 kg/m² · TS 498 and TS EN 1991-1-3 |
| Wind | 102 km/h wind speed; 50 kg/m² wind load · TS 498 and TS EN 1991-1-4 |
| Floor imposed load | 200 kg/m² · TS 498 |

## Walls, roof & flooring

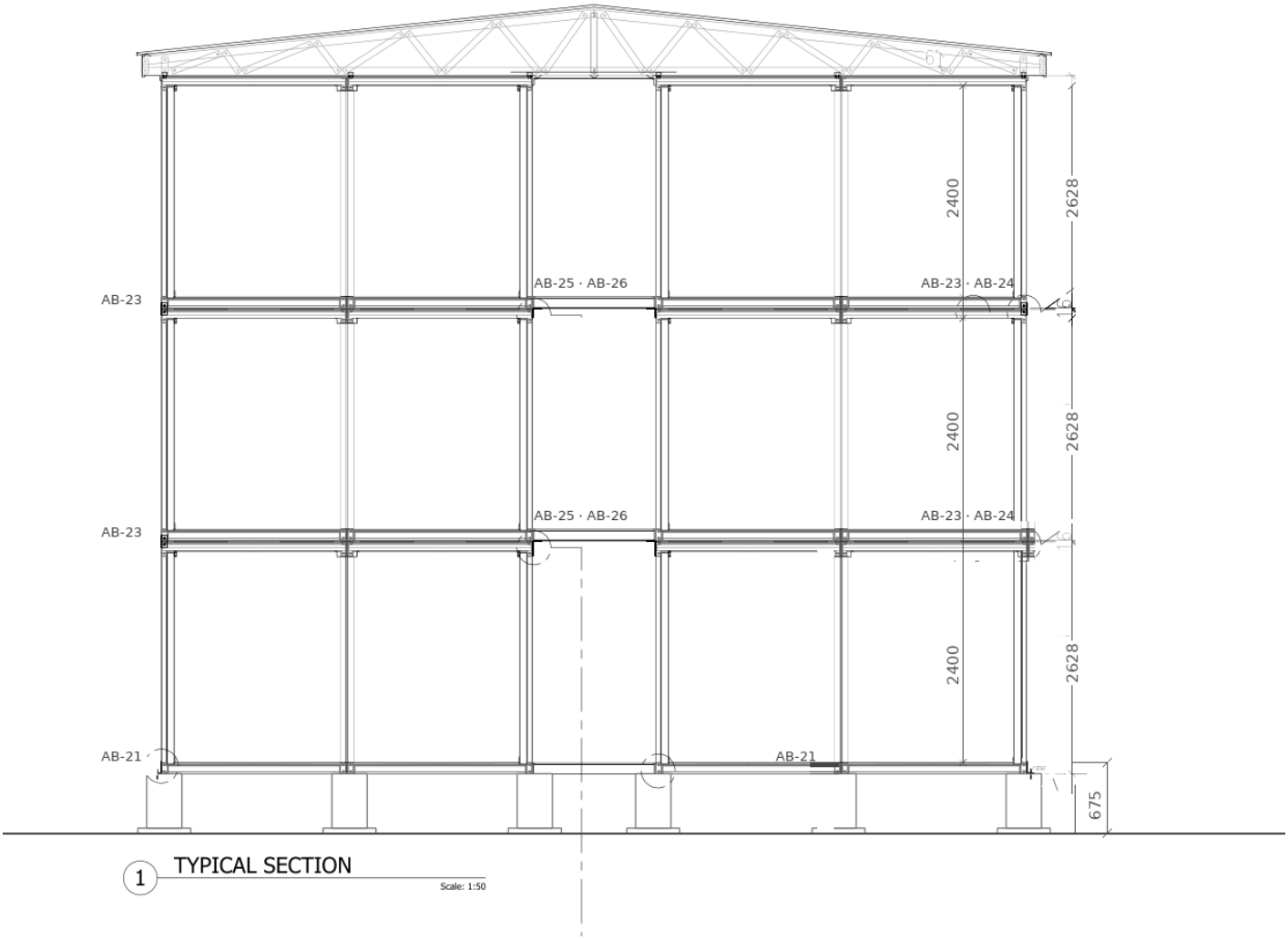
| Element | Options |
|---|---|
| Wall and partition panels | Available in 40, 50, 80 or 100 mm sandwich panels with EPS, PUR, PIR or mineral-wool insulation (40 to 150 mm across building systems). Panel thickness is produced to your requirement |
| Roof insulation | Insulated roof build-up available in 40 to 100 mm, selected separately for the climate |
| Floor board & finish | 16, 18 or 20 mm fibre-cement board with 2 mm heavy-duty slip-resistant PVC flooring or laminate flooring |
| Optional floor insulation | 50, 80 or 100 mm mineral wool with sheet-metal underside cladding |
| Machinery & storage floors | Diamond-pattern metal chequer plate available; floor structure designed to the equipment weights and storage loads |

## Doors, windows & services

| Element | Options |
|---|---|
| External doors | Insulated steel doors; fire doors, panic-bar fire doors, aluminium and PVC doors available |
| Internal doors | Moulded panel, PVC, MDF and aluminium doors available |
| Windows & accessories | Aluminium or PVC double-glazed windows; insect screens, sunshades and rolling shutters available |
| Electrical | Specify the required socket type, supply voltage, frequency and component documentation for your destination. |
| Sanitary fittings | Standard, mid-range or premium sanitaryware, selected for budget and intended use |

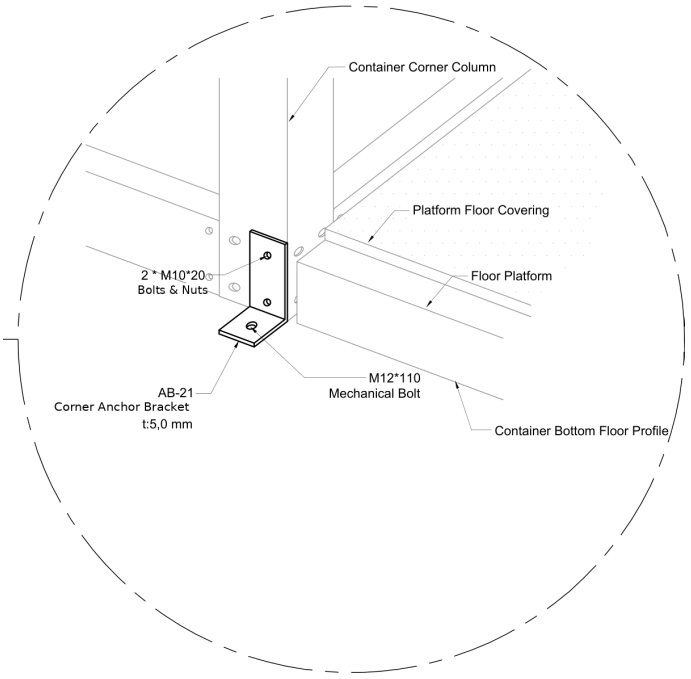
## How stackable flat-pack containers connect

Connected flat-pack modules form larger site offices, workforce accommodation and shared facilities, in single-storey or stacked two- and three-storey arrangements. Reference connection details cover base anchoring (corner anchor brackets with M12 mechanical anchors), stacked corner and module connections (5.0 mm plates and brackets, M10 bolts), platform supports and roof lath arrangements. The connection schedule for your building is confirmed in the project drawings.



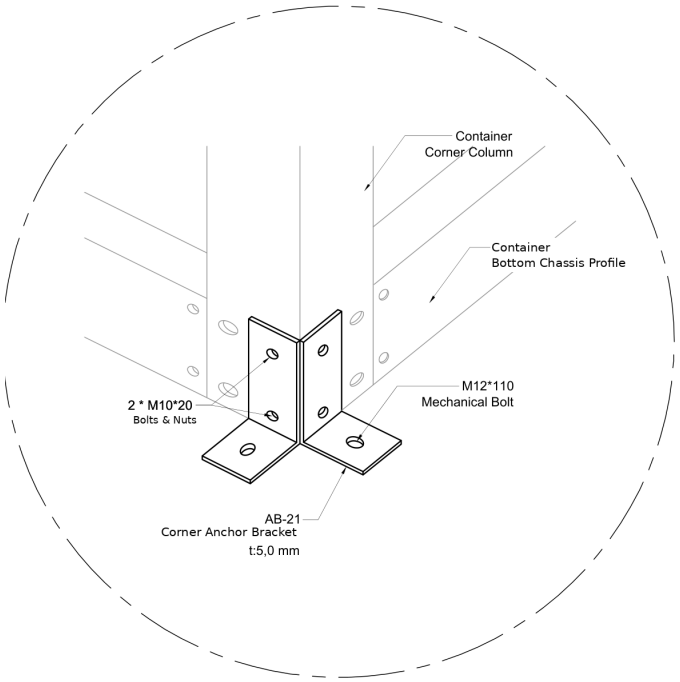

Typical section: three-storey stacked flat-pack modules on plinth foundations. Connection points marked on the section are detailed below: AB-21 base anchoring, AB-23 stacked corner, AB-24 stacked module connection, AB-25/AB-26 platform supports; roof lath and fixing details at the eaves.

## AB-21 · Platform-side base anchoring



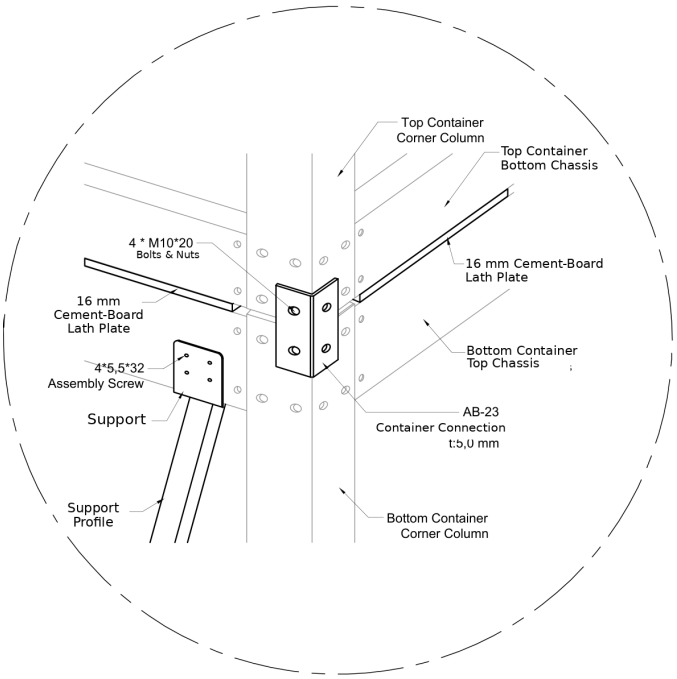

Corner anchor bracket 5.0 mm · 2 × M10 × 20 bolts and nuts · M12 × 110 mechanical anchor

## AB-21 · Corner base anchoring



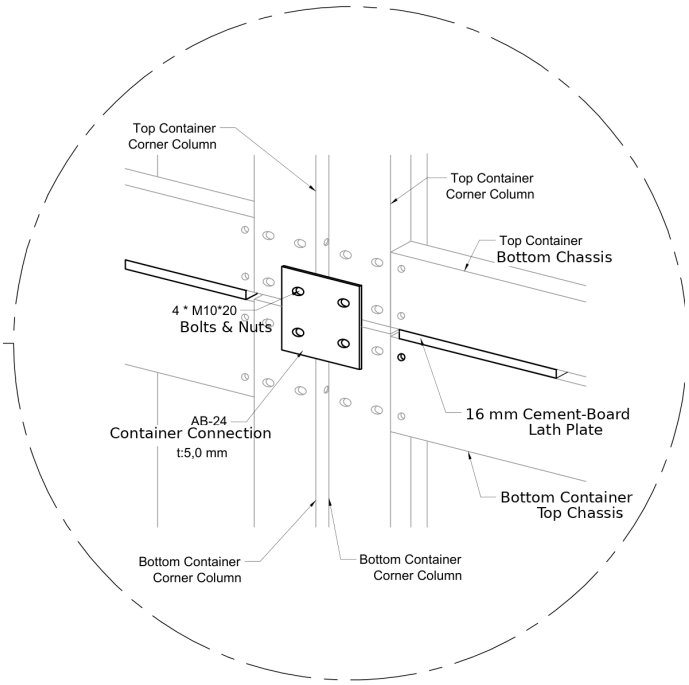

Corner anchor bracket 5.0 mm (same bracket part as the platform-side detail) · 2 × M10 × 20 bolts and nuts · M12 × 110 mechanical anchor

## AB-23 · Stacked corner and support



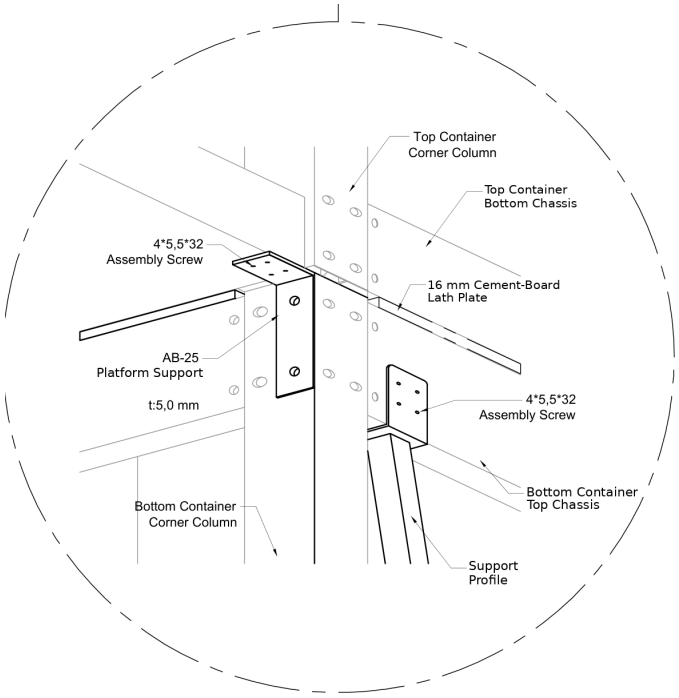

Connection bracket 5.0 mm · 4 × M10 × 20 bolts and nuts · 4 × 5.5 × 32 assembly screws · 16 mm cement-board lath plate

## AB-24 · Stacked module connection



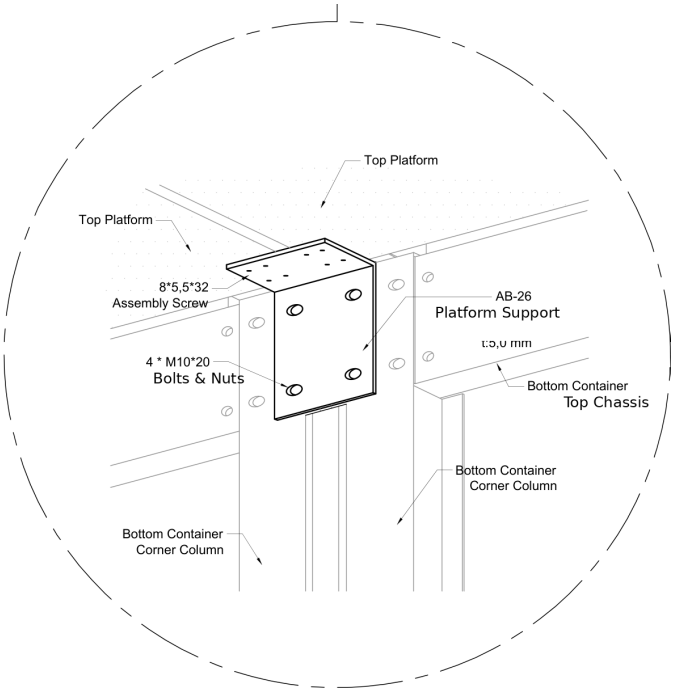

Connection plate 5.0 mm · 4 × M10 × 20 bolts and nuts · 16 mm cement-board lath plate

## AB-25 · Platform and frame support



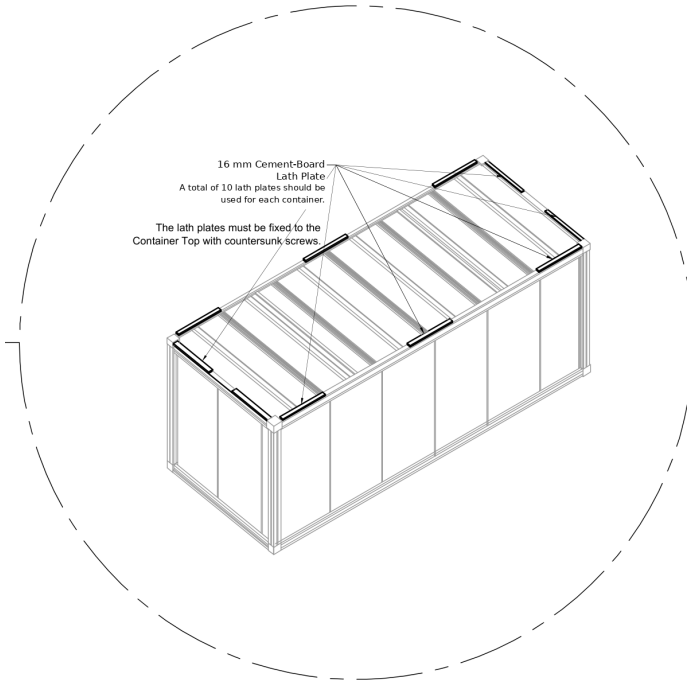

Platform support bracket 5.0 mm · 4 × 5.5 × 32 assembly screws at each of the two fixing points shown · 16 mm cement-board lath plate

## AB-26 · Platform support connection



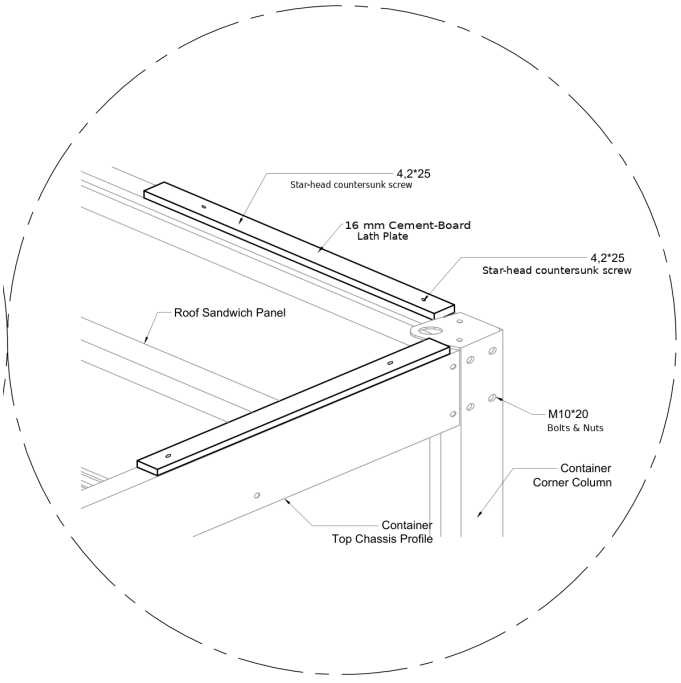

Platform support bracket 5.0 mm · 4 × M10 × 20 bolts and nuts · 8 × 5.5 × 32 assembly screws

## Roof · Cement-board lath arrangement




16 mm cement-board lath plates · 10 lath plates per container in this reference detail · fixed to the container top with countersunk screws

## Roof · Panel and frame fixings




Roof sandwich panel · 16 mm cement-board lath plate · 4.2 × 25 countersunk star-head screws · M10 × 20 bolts and nuts

The values shown belong to these reference details. The connection schedule for your building is confirmed in the project drawings.

## Engineering inputs & documentation

Before final design we confirm: destination and applicable building rules; wind, snow, seismic and temperature data; occupancy and room schedule; fire, accessibility and escape requirements; MEP loads and utility interfaces; transport route, lifting and site access.

Tell us which quality documents your buyer requires. The quotation identifies the evidence available for the selected manufacturer and components. The scope may include structural calculations and fabrication drawings per project, material certificates to EN 10204 3.1 on request, and a packing list with component identification for every shipment. Where required by the project, documentation may be prepared around EN 1090-1/-2 EXC2 and ISO 3834-4 welding quality requirements; availability is confirmed in the commercial and technical offer.

# Flat-Pack Containers 240 × 600 cm

Ten standard layouts on the 2.40 × 6.00 m platform (external height approx. 2.60 m). Plans are layout references; the final drawing, equipment and dimensions are agreed for your project. All layouts are supplied as knock-down flat-pack kits: floor and roof frames, corner posts, insulated wall panels, doors, windows and service items packed for destination assembly by a small crew, without welding. Every layout is also available as a fully assembled monoblock unit, dispatched factory-assembled; destination work is then limited to unloading, positioning, module joints and external connections. These are starting points only. Agreed changes to dimensions, layouts or fittings are recorded in the project quotation.

Common specification (all layouts): S350GD galvanised light-gauge steel chassis, available in 1.5, 2 and 3 mm; wall panels available in 40, 50, 80 and 100 mm with EPS, PUR, PIR or mineral wool insulation; insulated roof build-up available in 40 to 100 mm; 16, 18 or 20 mm fibre-cement floor with PVC or laminate finish; insulated steel external door; PVC double-glazed windows; agreed electrical installation. Standard design loads: snow 80 kg/m², wind 50 kg/m², floor 200 kg/m².

### Con-1 — Open-plan Office

Open-plan single room for office or accommodation use.



Floor plan, 240 × 600 cm. Final drawing confirmed in the quotation.

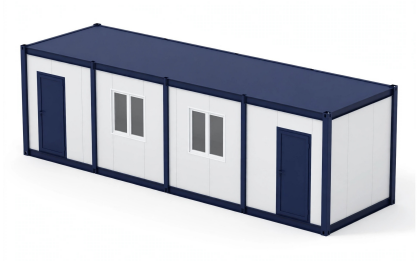


Monoblock version.

## Con-2 — Two-room Office

Two separate rooms, each with its own external door and window.





Floor plan, 240 × 600 cm. Final drawing confirmed in the quotation.

Monoblock version.

## Con-3 — Two-room Office, Alternative Layout

Two separate rooms with entrance doors near the centre.





Floor plan, 240 × 600 cm. Final drawing confirmed in the quotation.

Monoblock version.

## Con-4 — Open Office with Basin and WC

Open room with a WC compartment at one end and a washbasin outside the compartment.





Floor plan, 240 × 600 cm. Final drawing confirmed in the quotation.

Monoblock version.

## Con-5 — Open Office with WC and Basin

Open room with a corner compartment containing WC and washbasin.



Floor plan, 240 × 600 cm. Final drawing confirmed in the quotation.



Monoblock version.

## Con-6 — Open Office with WC and Shower

Open room with a bathroom compartment (WC, basin and shower) at one end.



Floor plan, 240 × 600 cm. Final drawing confirmed in the quotation.



Monoblock version.

## Con-7 — Open Office with Basin, WC and Shower

Open room with a WC and shower compartment at one end and a washbasin outside the compartment.



Floor plan, 240 × 600 cm. Final drawing confirmed in the quotation.



Monoblock version.

## Con-8 — Two Rooms with Central Washbasin Lobby

Two rooms served by a central lobby with washbasin.



Floor plan, 240 × 600 cm. Final drawing confirmed in the quotation.



Monoblock version.

## Con-9 — Two Rooms with Central WC

Two rooms sharing a central WC compartment and lobby.



Floor plan, 240 × 600 cm. Final drawing confirmed in the quotation.



Monoblock version.

## Con-10 — Two Rooms with Central WC and Shower

Two rooms sharing a central bathroom (WC, basin and shower) and lobby.



Floor plan, 240 × 600 cm. Final drawing confirmed in the quotation.



Monoblock version.

Need a different arrangement? Layouts, door and window positions, insulation thicknesses and sanitaryware levels are configured per project. Send the room schedule, quantity and delivery location and we will structure the brief for technical review.

# Portable Security Cabins

Guard huts for factory gates, construction sites and car-park entrances. Check the footprint against the available space, the door swing against the pedestrian route, and the windows against the approach the guard needs to see. All models are available assembled (monoblock) or flat-packed.

| Footprint (mm) | Description |
|---|---|
| 1100 × 1190 | The smallest footprint for a gate with limited space |
| 1190 × 2190 | Narrow guard hut with the entrance on the short end and a window along the side |
| 2190 × 2190 | Square cabin with windows on two adjacent sides for views across a site entrance |
| 2600 × 2190 | The largest model, with a wide window facing the approach and a separate side entrance |

Specification: galvanised steel frame; insulated sandwich-panel walls and roof, with panel thickness produced to your requirement; insulated steel door; PVC or aluminium windows, available in fixed and sliding versions; electrical installation with lighting. External height approx. 2.29 m; final dimensions, openings and service connections are confirmed on the approved drawing.

## Security cabin models

### 1100 × 1190 mm




### 1190 × 2190 mm




### 2190 × 2190 mm




### 2600 × 2190 mm





Security and site cabins ready for dispatch.

# Sanitary Cabins — WC & Shower

Fourteen standard configurations for site welfare facilities, camps and events. Headcount, operating hours, user groups and cleaning routines determine the right mix; privacy, entrance positions and accessible-use requirements are reviewed before the number of units is fixed. Dimensions are nominal external dimensions; the final specification is confirmed on the approved drawing.

| Model | Configuration | Dimensions W × D × H (cm) |
|---|---|---|
| PT-S01 | WC + Urinal Cabin (WC, urinal, washbasin) | 140 × 120 × 230 |
| PT-S02 | Single Urinal Cabin (urinal, washbasin) | 110 × 120 × 230 |
| PT-S03 | Single Shower Cabin (shower tray and mixer, lockable entrance) | 110 × 120 × 230 |
| PT-S04 | Single WC Cabin (WC, washbasin, mirror) | 110 × 120 × 230 |
| PT-S05 | Clad WC + Shower Bathroom (decorative exterior cladding) | 240 × 120 × 230 |
| PT-S06 | Twin WC Block (two compartments, separate entrances) | 220 × 120 × 230 |
| PT-S07 | Twin WC + Urinal Block (two WCs, one urinal, two washbasins) | 240 × 120 × 230 |
| PT-S08 | WC + Shower Block (separate WC and shower compartments) | 220 × 120 × 230 |
| PT-S09 | Triple WC Block (three compartments, separate entrances) | 300 × 120 × 230 |
| PT-S10 | Triple Shower Block (three shower compartments) | 300 × 240 × 230 |
| PT-S11 | Shower Block with Water-Heater Space (separate shower entrances, dedicated equipment space; heater and fixture schedule confirmed in the quotation) | 300 × 240 × 230 |
| PT-S12 | Two WC + Two Shower Block (four compartments) | Awaiting drawing approval |
| PT-S13 | Four WC Block (four compartments) | 400 × 120 × 230 |
| PT-S14 | Accessible-Layout WC Cabin (support rails and entrance ramp; local access requirements reviewed before order) | 220 × 220 × 230 |

All cabins include lighting and ventilation; hot-water equipment, external water and wastewater systems and site connections are included when listed in the quotation. Sanitaryware is available in standard, mid-range and premium levels.

## Sanitary cabin models



PT-S01 · WC + Urinal Cabin
140 × 120 × 230 cm



PT-S02 · Single Urinal Cabin
110 × 120 × 230 cm



PT-S03 · Single Shower Cabin
110 × 120 × 230 cm



PT-S04 · Single WC Cabin
110 × 120 × 230 cm



PT-S05 · Clad WC + Shower Bathroom
240 × 120 × 230 cm



PT-S06 · Twin WC Block
220 × 120 × 230 cm



PT-S07 · Twin WC + Urinal Block
240 × 120 × 230 cm



PT-S08 · WC + Shower Block
220 × 120 × 230 cm



PT-S09 · Triple WC Block
300 × 120 × 230 cm



PT-S10 · Triple Shower Block
300 × 240 × 230 cm



PT-S11 · Shower Block with Water-Heater Space
300 × 240 × 230 cm



PT-S12 · Two WC + Two Shower Block
External dimensions pending drawing approval



PT-S13 · Four WC Block
400 × 120 × 230 cm



PT-S14 · Accessible-Layout WC Cabin
220 × 220 × 230 cm



Sanitary block exterior with separate entrance doors.



Combined bathroom interior: WC, washbasin, shower and water heater.

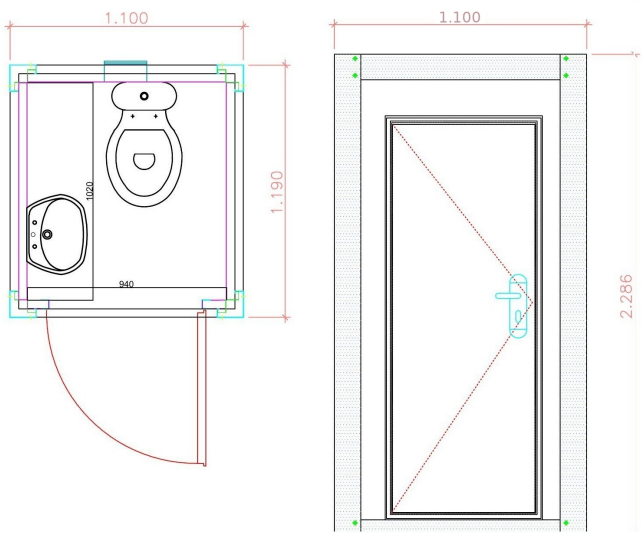


Shared WC block interior: separate WC cubicles and urinals.

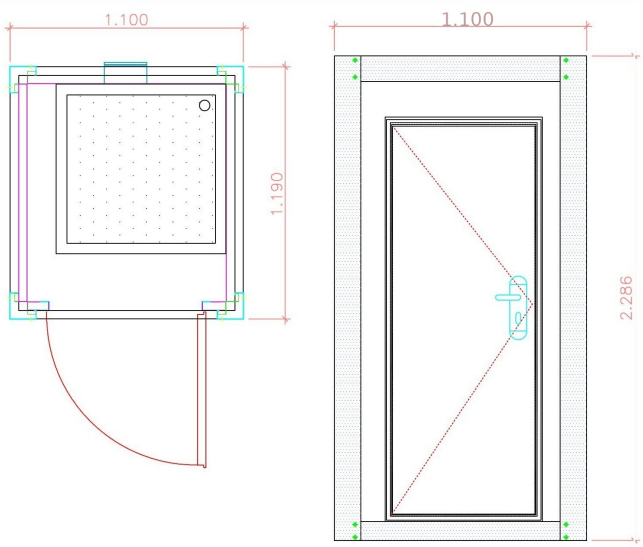
## Sanitary cabin reference plans

Plan and elevation drawings for the most common configurations. Catalogue sizes are nominal; drawing dimensions are in millimetres and the approved project drawing governs. The Double Shower and Toilet & Urinal layouts below are additional reference configurations, configured per project. Final dimensions, fixtures and connections are confirmed on the approved drawing for your project.

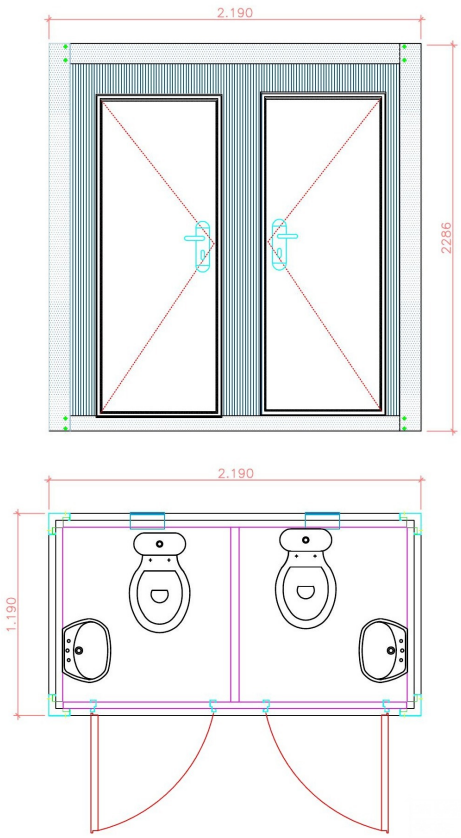
### Single WC Cabin — 110 × 120 cm



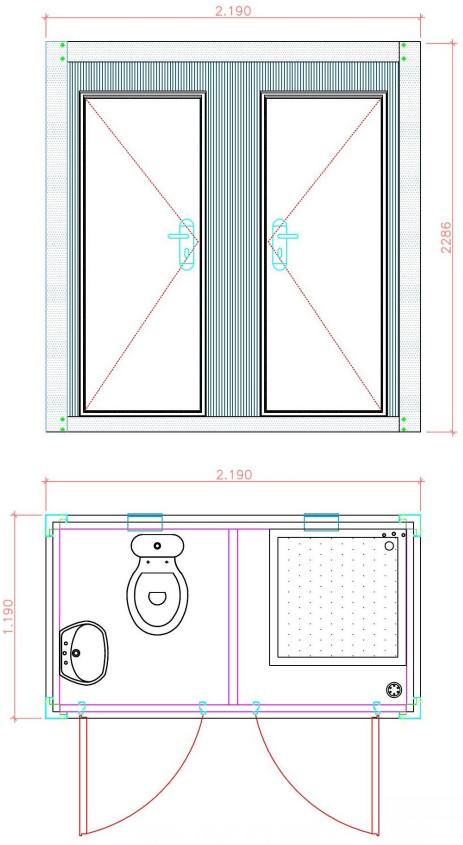

### Single Shower Cabin — 110 × 120 cm



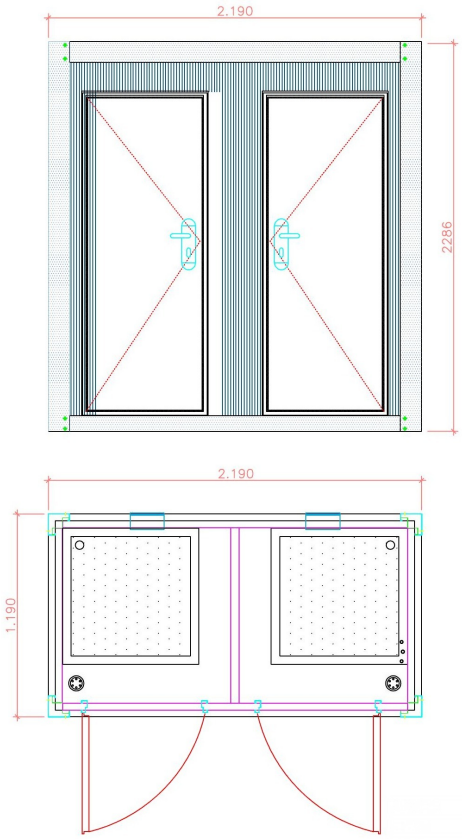

### Double WC Cabin — 220 × 120 cm



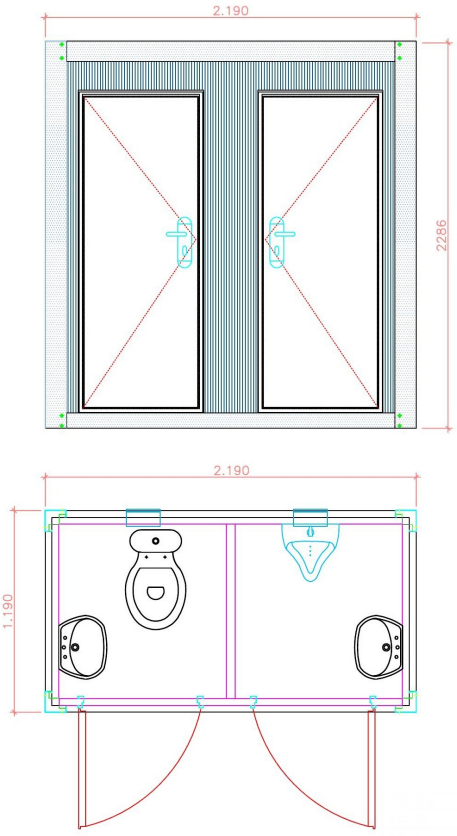

### WC + Shower Cabin — 220 × 120 cm



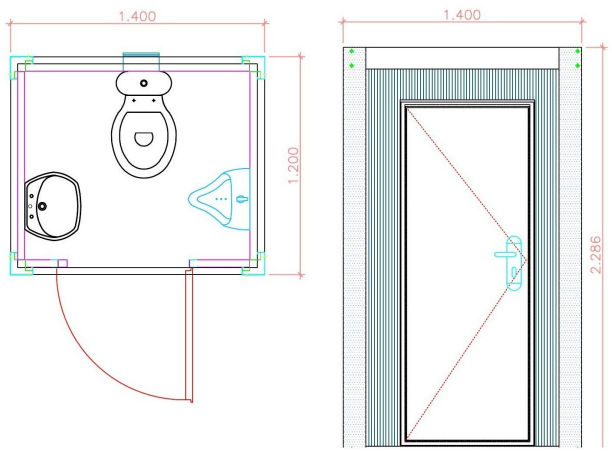
## Double Shower Cabin — 220 × 120 cm



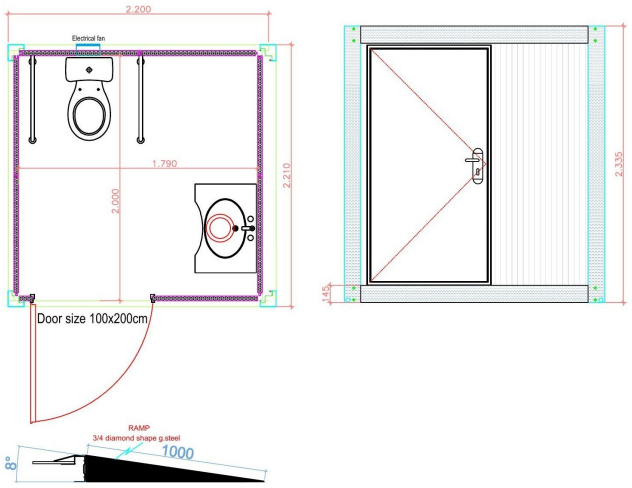

## Toilet & Urinal Cabin — 220 × 120 cm




## WC + Urinal Cabin — 140 × 120 cm




## Accessible WC Cabin — 220 × 220 cm



# Packing, Shipping & Assembly

Flat-pack kits ship as compact floor and roof packages with separate panels and components. Because our flat-pack sets can be loaded vertically into the freight container, a full 2.40 m module width is achievable where horizontal loading would force a narrower unit.

| Item | Reference data |
|---|---|
| 40' HC container | Up to 8 flat-pack sets (240 × 600 cm), subject to the final packing plan |
| Truck | Up to 12 flat-pack sets per truck, subject to the final packing plan |
| Assembly sequence | Floor frame → corner posts → roof set by crane → wall panels one by one; 2–4 person crew, bolted connections, no welding |
| Handling | Forklift fork pockets in the base frame; crane lifting points per project drawing |
| Documentation | Packing list and component identification with every shipment |



Production and dispatch area.

Monoblock (factory-assembled) delivery is also available where route, lifting and programme make it preferable: units are dispatched substantially assembled, and destination work is limited to unloading, positioning, module joints and external connections.

# Request a Quote

Share the destination, approximate size, capacity and intended use. Our engineering team will structure the brief for technical review. Quotations confirm the selected materials, design criteria, documentation pack and supply scope before you commit.

| | |
|---|---|
| Email | info@prefabturkey.com |
| Web | www.prefabturkey.com |

Values in this catalogue are indicative, not a construction specification. Member thicknesses, connections, insulation, loads, fire performance and service systems are verified for each project and destination; the approved quotation, calculations and project drawings define the final supply. Prices are confirmed per project in the quotation.