ICON

CONSTRUCTION AND DEVELOPMENT

SINCE 1977

CARAVANS

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WELCOME TO

ICON CONSTRUCTION AND DEVELOPMENT CARAVANS

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CARAVAN

1 . SKELETON STRUCTURE

Steel sections-grade 37 corrosion treated, primed and painted, fabricated according to design

8 . WET AREAS

Sanitary sets including all facilities to be installed including the required feeding & drainage plumping works inside caravan only

2 . ROOF

Steel single sheets with insulation of glass wool blanket or sandwich panel (PUR-PIR)

3 . CEILING

Decorative colored metallic 25cm Icon standard or gypsum tiles

4 . WALLS

External walls & internal partitions are sandwich panels

9 . FLOORING

Different types of flooring systems (HDF, MDF, Plywood surface, checker plates and ceramic tiles

6 . WINDOWS

Sliding windows PVC or Aluminum sections with transparent glass

7 . ELECTRICAL WORKS

Flushed mounted lighting, electrical outlet/switch and AC/heater switch. All wires are gathered in flexible tubes embedded in side wall

5 . DOORS

Single or double leaf hinged door filled with sandwich panel including its accessories or can be wood or steel doors

Designed to meet with the
SAFE STRUCTURE CODING

CARAVANS - TECHNICAL SPECIFICATIONS

ICON is considered the market leader of portable caravan units in Egypt with annual production capacity of 300 units per month.
Different designs, finishes, shapes and sizes of caravans are produced according to ICON's standard or customized to suit all needs.
The standard caravan is a modular system using the 3 m width module x (3.0/6.0/7.5/9.0/12.0)m. long & with internal clear height 2.30 m., to create different and variable types of caravans to suit all requirements and functions, each type can include mix of different options and utilities, we have more than 30 designs with different specifications as follow:

SKELETON STRUCTURE

- Hot rolled or Cold formed steel sections - grade 37- for light steel structure, according to design.
- All steel members are corrosion treated, primed and painted.
- fabricated according to design
- calculations to fit with the caravan
- area and function.

ROOF

- Corrugated galvanized steel sheets G60, pre-painted with polyester paint, fixed using self-drilling screws and fitted with the necessary flashing and trims, over a heat insulation layer of glass wool blanket, and density
- 16 kg/m^3, or even we can use ECO panels or standard sandwich panels.

WALLS

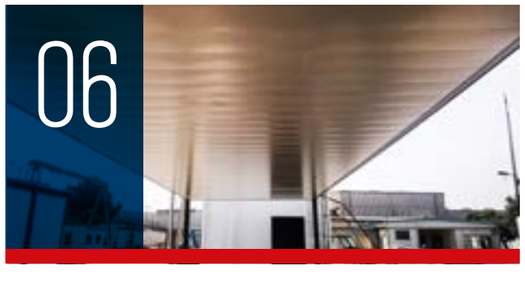
- External walls & Internal Partitions of standard wall Sandwich panels 4cm up to 8cm, Also we can use gypsum board lining wall covering to get the internal painting finish if required.

DOORS

- Single or Double leaf hinged door filled with sandwich panel or milamin size (0.7/0.8/0.90)m. x 2.00 m. with Silver anodized Aluminum frame sections including its accessories or can be wood or steel doors.

WINDOWS

- Sliding windows PVC or Aluminum sections 1.00 x 1.18 m., with transparent glass 5mm & fly screen, and Pivoted window 0.60 x 0.40 m. with transparent glass 5mm & fly screen for wet areas.

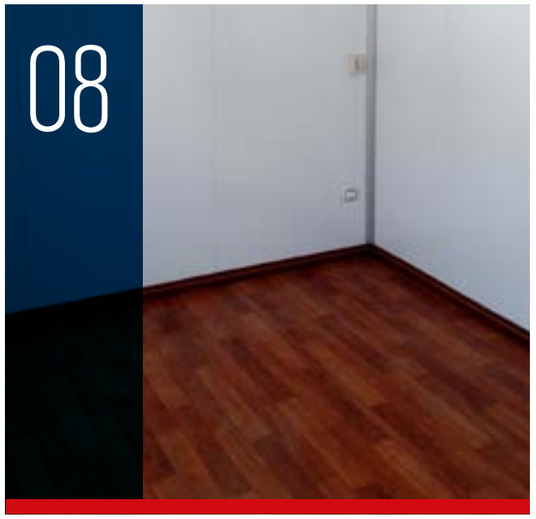


CEILING

- Decorative colored metallic strips 25 cm.
- ICON standard. Or Gypsum tiles 60 cm x 60cm.

WET AREAS

- Sanitary sets including hand wash lavatory, water closet, path tray, urinals and water mixers to be installed including the required feeding & drainage plumbing works inside the caravan unite only.



FLOORING

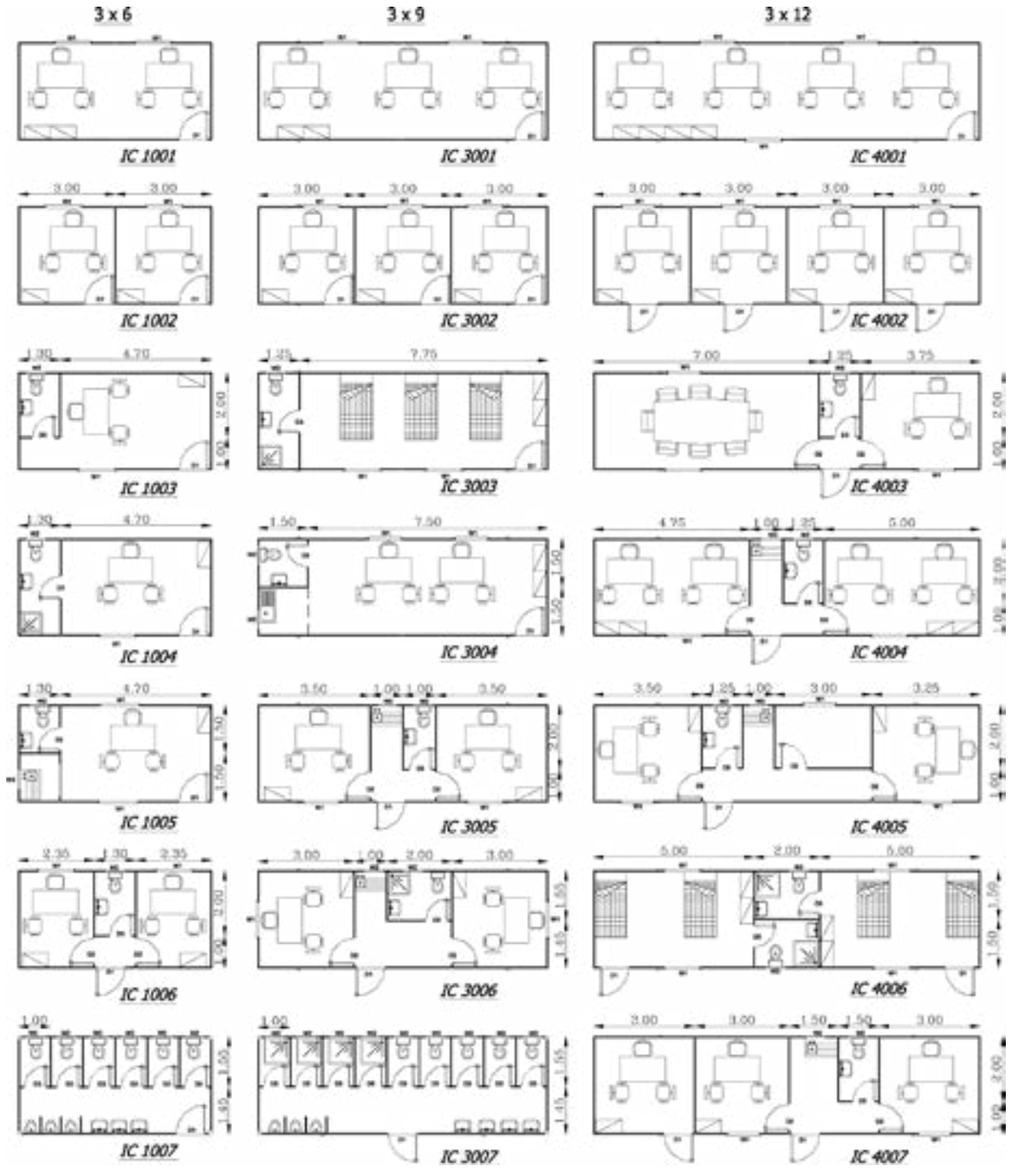
- Different types of flooring systems can be used to suit all requirements, HDF sheets, vinyl wraps installed over decking of MDF, or plywood surface, checker plates, ceramic tiles installed over metal steel dicking 0.7mm or raised floor over decking of metal steel sheets 3mm.

ELECTRICAL WORKS

- Flush mounted lighting fixture with plastic cover and 2
- fluorescent lamps 120cm.
- Weather proof incandescent lamp – for wet areas lighting and
- corridors.
- Electricity Outlet, 16A / 16A2P+E
- Electricity Switch, 16A
- AC/Heater Switch, 26A / 32A
- Suitable electrical distribution panel for the above loads
- All wires are gathered in flexible tubes embedded inside wall
- panels or can be external in PVC duct if required.

STANDARD MODULAR CARAVAN

The standard caravan is a modular system using the 3 m width module x (3.0/6.0/7.5/9.0/12.0)m long & with internal clear height 2.30 m, to create different and variable types of caravans to suit all requirements and functions, each type can include mix of different options and utilities.



CARAVANS - EXPANDABLE

STEP 04

Closed: W 2.30 L 5.80 H 2.60

Opened: W 6.20 L 5.8 H 2.60

STEP 03

STEP 02

STEP 01

MATERIALS

- Steel structure
- 40mm PIR or PUR G60 sandwich panels for walls & roof
- Aluminum hinged doors & window
- 15mm MGO board for floor (with painted surface) or 16mm MDF wood decking vinyl wraps over
- Equipped with electrical conduits for air conditions and power outlets
- 7 lighting fixtures
- All colors available for steel
- Bath Room

ADVANTAGES

- **SAVE TRANSPORTATION COST**

2 sets of folding containers can be loaded into 40' HQ

CARAVANS - FOLDED

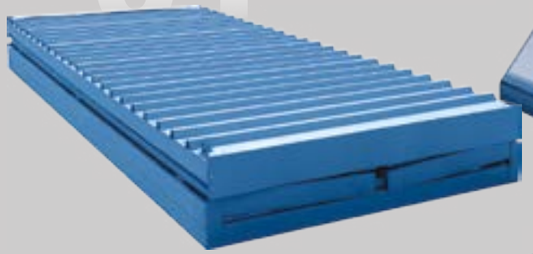
STEP 03

2.5m 5.8m 2.6m

- FIRE PROOF
- WATER PROOF
- GALVANIZED
- FOLDING
- HEAT INSULATION
- ANTICOLLISION
- ANTICORROSION

STEP 02

STEP 01



Our steel structured folding caravans are at reasonable prices suitable for residential, offices, warehouses, construction sites and others.

CORE	PUR		PIR	
Density (kg/m³)	40 (±2)		40 (±2)	
Reacting to fire	Class	Standards	Class	Standards
	B3 + B2	Din 4102	B1	Din 4102
	Bs3d0 + Bs2d0	EN 13501-1	Bs2d0	EN 13501-1
Percentage of closed cells	95% minimum		95% minimum	
Thermal conductivity (λ) w/mk	0.0205 W/mk		0.0205 W/mk	

MATERIALS

- Steel structure
- 40mm PIR or PUR G60 sandwich panels for walls & roof
- Aluminum hinged doors & windows
- 15mm MGO board for floor (with painted surface) or 16mm MDF wood decking vinyl wraps over
- Equipped with electrical conduits for air conditions and power outlets
- 2 lighting fixtures
- All colors available for steel

ADVANTAGES

- **SAVE TRANSPORTATION COST**

8 - 10 sets of folding containers can be loaded into 40' HQ

- **SAVE INSTALLATION COST**

4 workers can finish 1 set in only 4 minutes

- **SAVE STORAGE COST**

The size of the folding container is 2.5 M X 5.8 M X 2.6 H.
When the container is folded , its height is only 400mm

SPECIAL CARAVANS

CARAVANS ON SKID

Hot rolled sections are used for the skid steel structure; caravans on skid are recommended for oil & gas, petroleum sites and drilling fields Caravan on skid fabricated using cold formed steel structure for roof, wall, columns and purlins..

CARAVANS ON TRAILER

On wheels caravans for easy mobilization, trailer caravans can be occupied with septic and water tank, external electric outlet, being portable makes it easy to be used in different sites.

KIOSK

ICON kiosk can be used for guard house or security cabin with variable sizes to fit with the number of the security crew.

ELECTRIC SHELTERS

- Heavy duty steel structure of hot rolled sections.
- Skid design for easy moving in you site.
- Steel doors with heavy duty accessories.

FOOD COMMODITIES SELLING CARAVANS

EL GONNA RESORT

IL MONT GALALA SALES CENTER

SPECIAL CUSTOMIZED CARAVANS

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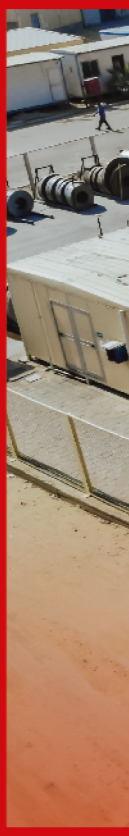

HEAD OFFICE AND FACTORIES
ICON Industrial Zone, Wadi Houf, Helwan, Cairo.
Phone: (+202) 23671327
Fax: (+202) 23671334
Email: info@iconegypt.com

ALEXANDRIA OFFICE
67, Sultan Hussein St., El Shallalat
Phone: (+203) - 4874496 / 4876047
Fax: (+203) - 4848947
Email: iconalex@iconegypt.com