



VANDIDAD MODULAR BUILDING

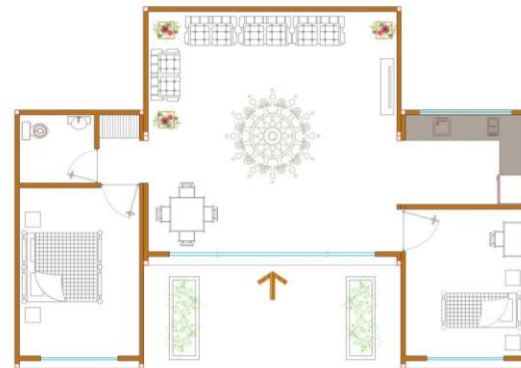
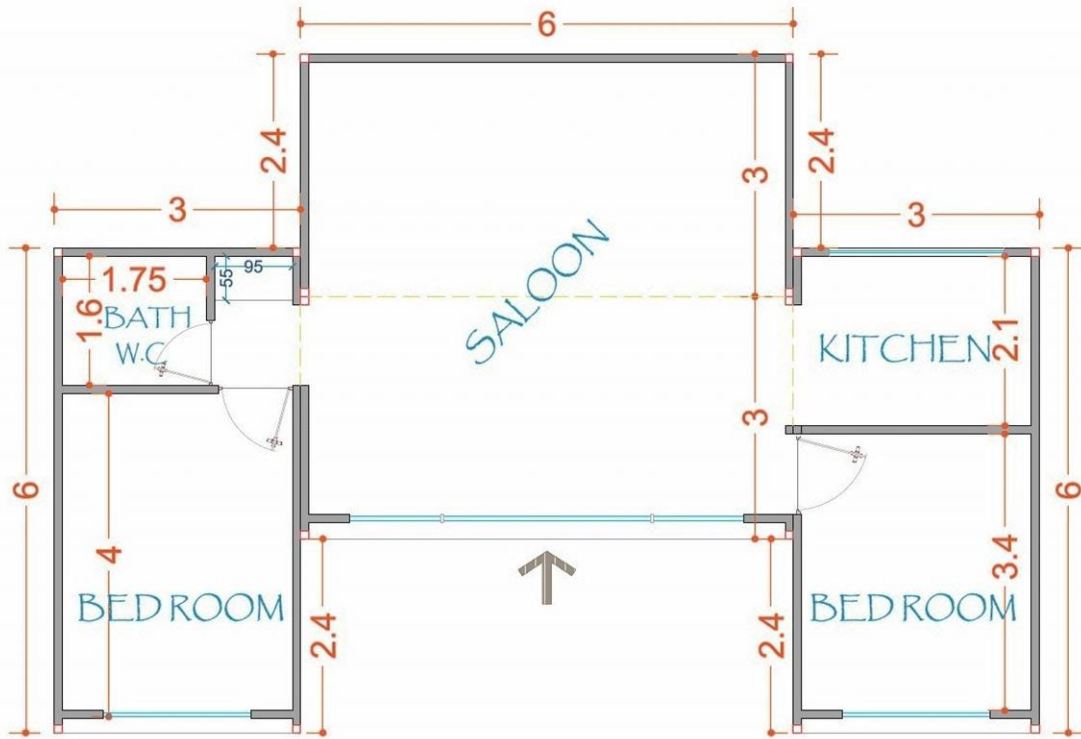
VANDIDAD Engineering Design



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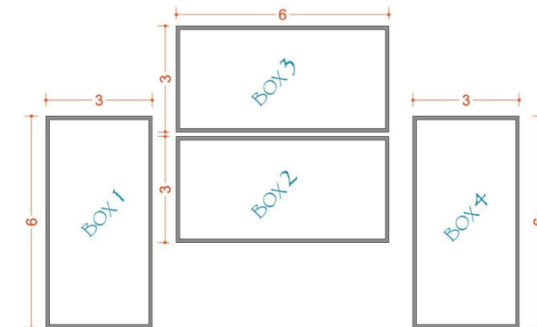
VANDIDAD Modular Buildings

According to the progress of industrial construction technologies and the demand for lightweight, resistant and portable buildings all over the world, Vandidad Engineering Design and its expert team in the R & D department started to build prefabricated modular houses by conducting structural studies and using its Lightweight Concrete.





These houses offer superior portability and flexibility in plan, dimensions, and height thanks to the rigid structure and modular system. Each standard box is prefabricated in 600 x 240/300 cm and height of 300 cm and will stand on the foundation in any number and combination in the plan. These structures do not need a concrete foundation due to their solid floor.



VANDIDAD Modular Buildings

Furthermore, the modular nature of our products makes it possible to export them to any place around the world via alternative modes of transportation.



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Superior portability and flexibility in plan, dimensions, and height

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Advantages:

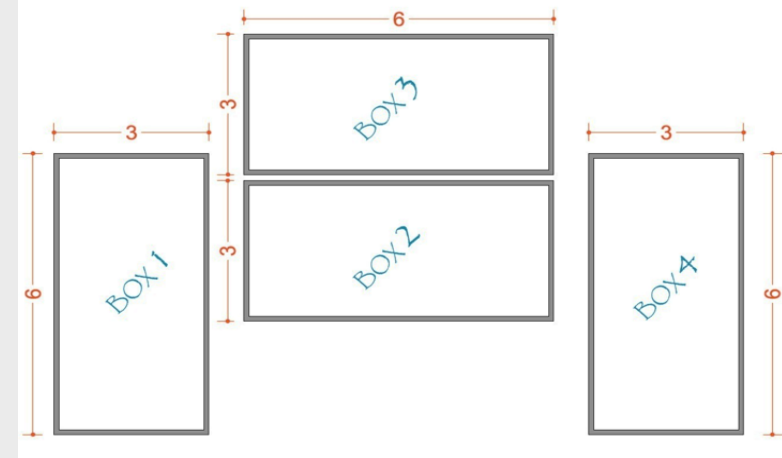
- *Quick construction and installation
(about 45 days)*
- *Resistant to earthquakes and storms
(according to the latest standard codes)*



VANDIDAD Modular Buildings

Advantages:

- *Modularity and expandability in plan and height*
- *The possibility of multiple transportations*



VANDIDAD Modular Buildings

Technical Specifications Material Component

STRUCTURE



Steel Column

- Rectangular Tube

Lateral force resisting system

- Moment Frames (Rigid Connections)

Steel Beams

- C-Shape Steel Beams

Wall

- The Mesh Forms & Granulated Concrete/ Drywall

Deck (floor & roof)

- Reinforced Concrete

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Technical Specifications

Material Component

ROOF



Decorative layer (on demand)

- Cement Plaster / Resin / Epoxy coating

Waterproof layer

- Roof Felt / Waterproofing membrane

Insulation (on demand)

- Extruded Polystyrene (EPS) Panel / PU Sandwich Panels / Glass Wool

Ceiling

- PVC Ceilings / Plaster Ceiling / Calcium Silicate Board +Keel / Gypsum Board +Keel



VANDIDAD Modular Buildings

Technical Specifications

Material Component

WALLS



Inner wall decoration

- Drywall / Gypsum board +keel / PVC panels / Plaster / Wooden wall panels

Outer wall decoration

- White cement coat + ThermoWood

Windows

- UPVC frames + Double glazed window

Doors

- Wood / Plywood / HPL

VANDIDAD Modular Buildings



Technical Specifications

Material Component

FLOOR



Decoration

- PVC flooring / Carpet / Laminate flooring / Solid wood flooring / Ceramic tiles / Porcelain tiles

Insulation layer

- Glass wool / Extruded Polystyrene (EPS) Panel



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Technical Specifications Material Component

MECHANICAL SYSTEM



Plumbing

- Pex / CPVC

Heating

- Boiler & Radiator System / In-Floor Radiant / Heat Pump (Ductless Heating System)

Air-conditioning systems

- Split System Air Conditioner

Sewage System

- Acrylonitrile Butadiene Styrene (ABS) Piping / Unplasticised Polyvinyl Chloride Polymer (PVC-U)

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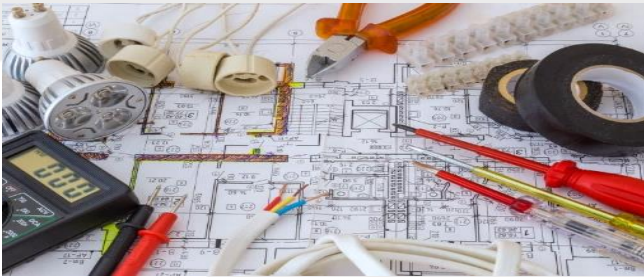
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Technical Specifications

Material Component

ELECTRICAL SYSTEM



Electrical supply system

- Conduit Wiring + Incoming Power Lines, Service Panel, Electrical Boxes

Electrical Terminals

- Receptacles (Outlets), Switches, Lights



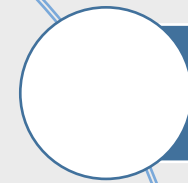
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Technical Specifications

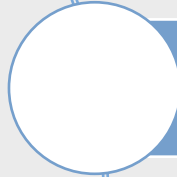
Material Component

KITCHEN



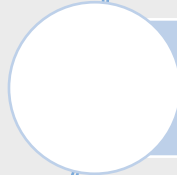
Inner Wall Decoration

- Ceramic Tile



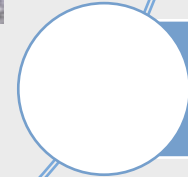
Floor Decoration

- PVC flooring / Laminate flooring / Solid wood flooring / Ceramic tiles / Porcelain tiles



Cabinet

- MDF / High Gloss / HPL



Kitchen Appliances

- Desktop Gas Stove + Sink & Faucet + Kitchen Hood



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Technical Specifications

Material Component

BATH ROOM



Inner wall decoration

- Ceramic Tile

Floor Decoration

- Ceramic Tile

Components

- Toilet + Sink + Shower



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