RED SEA
HOUSING SERVICES

SITEMASTER 25 ROUGHNECK SERIES

Innovative, Tough, Dependable

Sitemaster 25 Roughneck Series is an innovative and unique product, suitable for residential and commercial housing projects in oilfield operation and exploration sites.

OVERVIEW

Oilfield operation and exploration is mostly a terrain for tough environmental conditions. Innovatively built, Sitemaster 25 Roughneck Series is a unique product, suitable for residential and commercial housing projects that need to be built to withstand demanding weather situations. This heavy duty unit has steel skid which provide flexibility and easy relocation from one project to another.

DESIGN

Sitemaster 25 Roughneck Series is atypical to many other prefabricated buildings and is specially designed to meet the tough conditions experienced in the oilfield operation and exploration. Its PVC wall panels makes it a revolutionary and innovative product, first of its kind in the prefabricated industry. The panels are toxic free, and are resistant to fire, heat, water, rust, and termites, making it safe for people and environment. The wall & ceiling are fully insulated to withstand hot and cold weather conditions. When required, our factory operates round the clock to ensure deadlines are met. Built with agility in mind, these units are fast and easy to construct and low maintenance. This heavy duty unit has steel skid which provide flexibility and easy relocation from one project to another. It is highly suitable for extreme climates. The wall & ceiling of Sitemaster 25 Series exude a smooth and clean effect, thereby producing a comfortable feeling. The insulation value of the panels give you the highest R-valuesavailable in the industry, thereby tremendously saving electricity.

APPLICATION

Sitemaster 25 Roughneck Series drill/rig camps are best supplied turnkey, complete with furniture and equipment, as well as water and sewage treatment plant, and power generation facilities. These building units are suitable for residential and commercial housing projects. With the large number of sectors and the wide range of products and services that Red Sea Housing Services has been installing in different regions over decades, we are capable of providing our clients with end-end solutions right from design, manufacturing, installation, and fit-out.

Having worked in more than 65 countries in varied soci0-economic-political, and environmental situations, we are more equipped in handling the weather conditions and perhaps have been there before you. Our units have been made to adapt to the rough weathers. Our skilled and competent workmanship ensure compliance to stringent project deadlines, with adequate project planning, account management, implementation, and support. We provide clients with quick turnaround with automated processes from CAD design and drafting to computer generated estimation and pricing.

QUALITY CONTROL

Clients are assured that each and every Sitemaster 25 Roughneck Series building that goes out of the production line is produced in a controlled factory environment, has undergone rigid quality control and testing procedures to ensure uniformity and quality of product.

VALUE-ADDED PRODUCTS AND SERVICES

Red Sea Housing Services' commitment to excellence is the key to our continuing success. Sitemaster 25 Series has variety of applications, whether permanent or temporary. Red Sea Housing Services can provide you turnkey solutions and is suitable for site offices, staff accommodation, dining and kitchen areas, recreation and gym rooms, ablution and shower units, power generation units, hospitals/clinics, schools, and sewer and water treatment facilities.

FEATURES AND BENEFITS

Features

- Designed to handle extreme climates
- Suitable for oilfield drilling and exploration projects
- Heavy duty steel construction
- Durable and rigid design
- Stackable design utilizes ISO corner blocks for 2 storey configurations
- Suitable for mobile or permanent camps facilities

Benefits

- Offers increased building widths compared to standard ISO containers for design flexibility
- Fully erected in the factory for ease of site setup of remote camps
- Design flexibility achieved by interconnecting or stacking building units as required
- Fast & easy to construct
- Ø Flame spread
- Water resistant
- Rust resistant
- Low Maintenance (do not require to be painted ever)
- Easy to clean
- Cannot be eaten by termites or other insects
- Economical
- Low shipping costs

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SPECIFICATIONS

Frame

Skid Frame

- Heavy Duty Skid Type consisting of two longitudinal members
- 250mm "I"-Beam Sized
- 150mm "I"-Beam cross-members
- 610mm x 350mm Extension on either end of building
- 100mm BI Steel Pipes at each end for cable wrenching up on truck bed
- 2 Lifting points at each side (floor and roof) for crane lifting

OR

Chassis Frame & Running gear

- Heavy Duty Skid Type consisting of two longitudinal members
- "I"-Beam Skid Sized as required for Building Dimension
- Cross-members at two intermediate locations
- 2 Lifting points at each side for crane lifting
- 22 Ton Axle Set with Desert Travel Tires (11 Tons Axle – 2 sets)
- Tow hitch with Pentel Eye for towing
- Dual cranking Jack at front of building
- Stabilizers at rear of building

Base Frame/Floor System

- Heavy Duty Perimeter Type frame from 100mm x 100mm Box Tubing
- 50mm x 100mm box steel joists 610mm O.C with bridging
- 18mm Concrete Board Decking with .05mm steel underbelly
- 1.5mm Commercial Grade Sheet Vinyl
- Fiberglass flooring in Common Ablution, Kitchen & Freezer/Chiller Rooms

Walls

- Double 50mm x 100mm Steel Box Corner Posts
- 50 x 100 Columns at each side Roof Top Lifting Points
- 64mm thick interior white PVC panels insulated with Rockwool
- Window and A/C openings reinforced with metal stud framing as required
- PVC U-channel Base Trim anchored to floor for interior wall connection
- PVC Interior & Exterior Trim Moldings
- PVC door & window casing
- Exterior walls secured to fully welded flat bar, installed on base frame with coarse thread self-tapping screws

Roof

- Roofing, 64mm PVC panel capped by Trim Flashings at eaves
- Reinforced with internal metal stud framing as required
- Pre-finished TP-25 Steel Roofing
- Ridge cap, 400mm pre-finished TP-25 profiled
- Steel Beam installed at center line Ridge and where structurally required throughout building
- Additional ceiling beams installed as required O.C maximum spacing Concrete Floor (To Be Supplied by Customer)
- 100mm thick concrete slab, reinforced with deformed steel reinforcing bars conforming to ASTM
- 300mm x 400mm perimeter concrete beam reinforced with deformed steel reinforcing bars conforming to ASTM standards
- Ceramic Tile Floor Finish

Modular Floor

- Heavy Duty Perimeter Type frame from 100mm x 100mm Box Tubing with intermediate cross runners
- 50mm x 100mm steel box joists 610mm with bridging
- All Steel Grit Blasted primed and painted with Epoxy paint to prevent corrosion
- 18mm Concrete Board Decking
- 1.5mm Commercial Grade Sheet Vinyl (Upgraded Carpet available upon request)
- Fiberglass flooring in Common Ablutions, Kitchen, Chiller Rooms

Doors Exterior

- Exterior doors – 32" x 80" Steel doors with insulated core, complete with Frame Weather Stripping, nylon bungee cord, door closer, heavy duty cylindrical lockset and hinges

Doors Interior

- Interior doors - 30" x 80" standard size with 24" x 80" for baths. Doors are prefinished hardboard exterior with honeycomb core, complete with cylindrical lockset & privacy lockset

Windows

- Aluminum Framed, vertical sliding window, 25" x 27" standard all rooms
- All windows are weather sealed and provided with removable insect screen

Electrical

- Voltage, Phase and Hz as per Customers Requirements
- All copper stranded wire surface mounted inside PVC trunking
- Surface mounted convenience outlets are universal type, able to receive various types of electrical plugs
- Electrical panel supplied to customer requirements
- Interior incandescent or fluorescent lighting fixtures as required
- Weatherproof Incandescent Light at each exterior door

Plumbing

- All piping is supplied in Metric sizes and in accordance with modular camp building practices, surface mounted throughout
- Hot and Cold Water supply piping CPVC Spec DIN 8079/8080
- Drain Piping UPVC BS 4514
- Good Quality Fittings and Fixtures located as shown on Drawings
- Water heaters American Manufactured, sized as required
- Metric to Imperial coupling adaptors @ water & sewer connections can be provided if required and available upon request

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