

EOC (Emergency Operations Center) Building

A pre-stocked, efficient to deliver, easy and fast to set up onsite emergency response building.



Assembled in 28 minutes, including unloading from truck, in Grays Harbor.

Features

Movable in collapsed or expanded state

Building in collapsed form has storage for emergency supplies – Is and can be delivered with these supplies

- Emergency basic first aid kits

- Emergency family pack

- Water bladder in loft filled after assembly, certified potable water bladder

Very durable to the elements – Very low maintenance

High wind loading calculated to exceed 150lbs per sq.ft.
High snow loading tested via water simulation to exceed 130lbs per sq.ft.
High seismic resistance

Zinc oxide paint resists molds and mosses
Extra attention to the finish to prevent corrosion in harsh coastal environments
Supplies would be stored safely without moisture damage

Assembly

Primary popped-up state, very low skill level required
Secondary deployment is quick and low skill level and low labor intensive
Placing awnings, pulling supplies

Optional Features

Air to air exchangers. De-humidifies, retains heat, conditions air
Solar panels on expandable system
Wind turbine
Battery backup system
Charges communication radio and battery tender for ATVs
LED lighting system
Optional retractable awnings to shelter people and protect building
Communication packages, radios and antenna mounts
Propane heating systems

Tests

NTI
Pittsburg Testing

Communication buildings (base of cell towers) -Over the last ten years-

Many supplied components
Securely houses equipment worth millions of dollars
Com buildings built to survive in harshest known environments
High wind
High snow load
Forest fire
High gusts
Ice loading on towers that drop ice on buildings
Incorporating similar design features in this building as communication buildings
Technology imported from our housing division and other specific-use structures

OTHER VARIATIONS AND USES OF THIS BUILDING

Storage Building

Storing non consumable community supplies

Store Gator/ATV

Materials

Vehicles

Tools

Heavier equipment

Stretchers

Ladders

Emergency search and rescue equipment

Rafts

Generators

Fuel containers and pumps

Water storage to prevent freezing

Community kitchen

Used as bunk house once supplies deployed

Replaces **Conex Steel oversea containers sweat and therefore stored equipment and material molds and/or rusts

Medical Service Building

Higher security building for higher demand, more valuable medical supplies

Used as a medical clinic

Infinitely Expandable Bunk House

100, 200, 300, 400, 500, 600, 800 sq.ft

Bunk house

Community meeting house

Mess hall

Kitchen

Shower Rooms

Decontamination room

Search and rescue operations center

Building in development

Tent-expandable building, 100 sq.ft rigid structure with 300 sq.ft. canvas fold-out tent.

About us: Noel Van Giesen, the primary owner of Alternative Technologies Construction and Structures-To-Go, has been involved in general construction, commercial and residential, since 1986. He has worked on teams that have designed, planned and constructed projects ranging from community septic systems, water systems and utility installation to unique specific-use structures. Have also worked with a verity of community network boards.

We have been working using the latest manufacturing techniques to solve a number of problems in rural outlying communities whose problems range from the homeless to emergency preparedness. We have designed a line of buildings numbering over 1,750 different units, that all use a basic system of interchangeable parts. Like Legos these can be rearranged into many different structures using a small number of off-the-shelf parts.

Our research and development team is constantly developing new products that solve different problems in various construction markets. Though many of these solutions are solved with connectors or ingenious folding systems, one of the focuses of our team is the human element. We include in our problem solving matrix the social and physical needs of the humans that are going to be occupying the structures.

The present team of Structures-To-Go since 1998 has been working on communication structures, tribal housing, and other specific-use structures.

Our Team - a unique mix to solve problems

Jonathan Clemens - a Boeing electrical engineer,
Ted Dole - quality control supervisor at ALPHA Tech
Gary Johnson - local inventor and full time member of the team 10 years
Terry Widden - machinist, welder and manufacturing specialist, with 40 + years experience
Kate Waddell - licensed structural PE, with 10 years experience working with SIP's
Plus several workers displaced from local mills and fishing industry, and local carpenters who come to us with valuable prior experience

Special Credit to Some of the Other Companies involved in the project

Olympic Energy Systems
Angeles Overhead Doors
NTI Engineering
Olympic Design Group
Advanced Design

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