

Fayetteville, NC



**Strategic Solutions Unlimited, Inc.**  
DUNS: 807784462  
CAGE: 4W4R1

**Standard Features**

**Panel Composition**

- ◆ 3.5" thick panels with the structural rigidity and durability necessary to function in the most challenging environments.
- ◆ Our Kevlar skin is treated with a gel coat with UV inhibitor and colored pigment which provides protection against UV damage for the life of the shelter.
- ◆ MCSS panel composite provides strength, stiffness, and high toughness (i.e. impact, puncture, and abrasion resistance).
- ◆ R value of R16

**Twist Lock Stainless Steel Hardware**

- ◆ Our structure is fastened together through the use of stainless steel twist lock fastening hardware.
- ◆ Beveled cuts on attaching point recesses, along with the overlapping panel design and bulb weather seals protect against water penetration.



**HVAC Unit**

- ◆ Customizable to function with any HVAC system available.

**Electrical**

- ◆ Fully pre-wired according to client's needs
- ◆ 100 Amp electrical panel with Hubbell connectors included
- ◆ Configurable to accept 110v or 220v power sources
- ◆ Can accept commercial, generator, or renewable energy sources

**Internal Lighting**

- ◆ Recessed in roof panel
- ◆ Low power LED lighting

**Modular Composite Shelter System (MCSS)**  
pat. D844177

**BASE MCSS STRUCTURE**

The Single MCSS is the base unit of the MCSS, and provides a cutting edge design and lightweight composite materials with strong yet simple attaching hardware to provide a structure that is fully modular and can be moved at a later date to another location as required. This entire structure weighs approximately 600lbs, making it easy to move and it can be erected by unskilled labor in 10 minutes.

Dimensions: Exterior / Interior:

- ◆ 84" Depth / 77" Depth
- ◆ 84" Width / 77" Width
- ◆ 94.5" Height / 84" Height



**MODULAR, TRANSPORTABLE, LIGHTWEIGHT, DURABLE**

- ◆ Designed to be fully modular.
- ◆ The disassembled stacked height is 20 inches.
- ◆ Lightweight panel design (each 7' x 7' panel weighs less than 100 pounds) and the Twist lock Stainless Steel Hardware attaching system means this structure can be quickly assembled, using no hand tools.
- ◆ No maintenance required.
- ◆ Can withstand excess of 100 mph steady state and gusts to 120 mph.
- ◆ Passed the ASTM Test Method E-84 Class II standard 25/75 Flame Spread Test.



**CUSTOM MCSS STRUCTURES**

The construction employed in the MCSS system provides the flexibility to design and construct a nearly *infinite number of variants, configurations and capabilities*. In addition to the base variant, many custom designs ranging from 42 to over 10,000 square feet are available to meet emerging requirements. Using the lightweight, high strength, low cost rigid composite panels, custom designs can meet any requested size. Examples include;

- ◆ Operations Center - provides ~ 780 sf and approximately 9 1/2' ceiling height, raised floor or tiered seating allowing easy access to support all communications and networking ideally suited for a command and control or operations center.
- ◆ Telemedicine or Laboratory Facility - ranging in size from ~135 sf to ~190 sf is offered to address the demand for a modular, rapidly deployable medical support facility for one or several patients. Much larger medical treatment facilities are available as well.
- ◆ Emergency or Temporary Housing - housing or billeting design includes two bedrooms, full bathroom, and a common room for kitchen, dining, and living space.

Apr '20