

# MSS70 Series 20



The Modular Shelter System (MSS) is the second generation of a rapid deployment tactical shelter developed by UFS to satisfy the evolving needs of the U.S. Department of Defense, Federal Emergency Management Agency, Homeland Security, and other Federal and State Agencies tasked with providing quick-response actions as well as disaster recovery preparedness.



*Engineered to meet the needs for a high-quality, rapidly deployable and relocatable shelter system, the MSS70 Series 20 can be erected in less than 24-hours during difficult field conditions without the need for additional special equipment.*

## TRANSPORTS EASILY

The MSS70 Series 20 is constructed of lightweight structural aluminum. Its design minimizes the use of standard bolts and nuts in favor of field-friendly pins with tethered cotters. A shelter with all of its components, in a typical configuration, fits into a single 20-foot ISO container.

## ADAPTABLE

The MSS70 Series 20 is built to configure to your project specifications. The modular design supports variable lengths. Flat gable and "Big Mouth Door" end options allow appropriate entry access. Insulation or solar panel options are available, as well as an NEC Class 1, Division 2-compliant electrical system for aircraft hangar applications.

## VERSATILE

Since their introduction, MSS shelters have been successfully deployed in missions all over the world, satisfying the needs for aircraft hangars, vehicular maintenance services, warehouses, housing, and recreational facilities. Because of its versatility, the MSS is uniquely qualified to fit the needs of first-response missions on a myriad of levels.

## DEPLOYS RAPIDLY

The MSS70 Series 20 is both rapidly deployable and relocatable. The shelter is designed so six untrained workers can install the shelter in less than 24 hours with standard tools and no additional special equipment. This ease of construction means the structure can be relocated quickly as necessary.

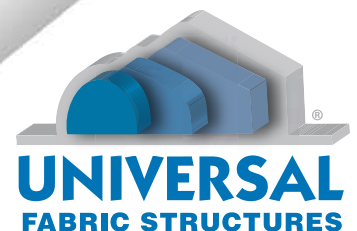
## RUGGED

The rugged design of the MSS70 Series 20 allows it to endure extreme climate conditions. Installed properly, the structure can sustain 90 knot [103.5 mph] wind gusts and will support a 20 PSF snow load on the roof.

## SHIPS COMPLETE

A typical shelter, with all its components—two personnel doors, all tools needed for installation, a ventilation package, a lighting package, and a complete electrical system ready for connection to your power supply—ships complete in one 20-foot ISO container.

**Distinctive Structure Solutions!**  
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# MSS70 Series 20

## Consider The Universal Advantages:

### SPECIFICATIONS

#### FABRIC

- 24-oz./yd<sup>2</sup> PVC-coated polyester scrim
- Available in either blackout or translucent
- Available in a wide array of colors

#### FRAME

- Standard width of 70'
- Standard peak height of 25'
- Standard eave height of 11'
- Available in any length by adding 14.5' modules

### OPTIONS

#### DOORS

- Standard with two personnel doors (3'W x 7'H)
- Standard cargo door in gable end (15'W x 12'H)
- "Big Mouth Doors" (Full-Width Aircraft Door) are available on all MSS70 configurations
- Other types of personnel and cargo doors available upon request

#### ANCHORING

- Supplied with concrete anchors and anchor pins
- Screw anchors available as an option

#### INSULATION & ACOUSTIC LINERS

- Integrated, reflective foil insulation packages available

#### ELECTRICAL & LIGHTS

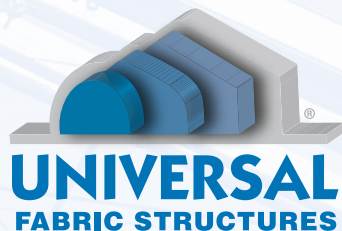
- Standard with light banks and power panel(s)
- Winch and power panel provided with big mouth ends
- Ventilator fans provided with all configurations

#### SOLAR PANELS

- Generate up to 2.2kW per building bay
- Supplied complete with power inverter
- Storage batteries are optional, but recommended
- Standard electrical package requires 11kW —i.e. 5-bay structure can be self-sustaining
- Solar panels can be removed from all fabric roof sheets

### INSTALLATION

- Includes complete instruction and information manual
- Can be installed by 6 untrained workers in less than 24 hours
- No additional special equipment required
- Installs in considerably less time when light equipment is available
- Minimum amount of bolts and nuts



**UNIVERSAL**  
FABRIC STRUCTURES

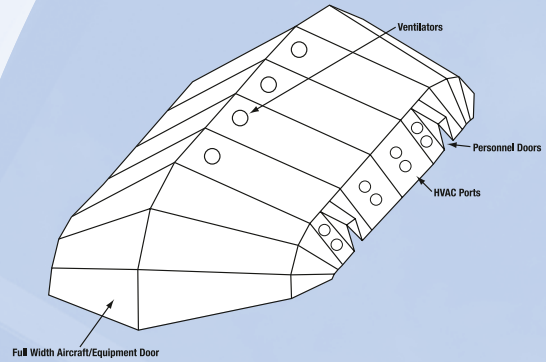
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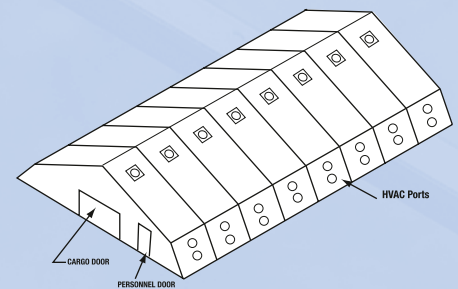
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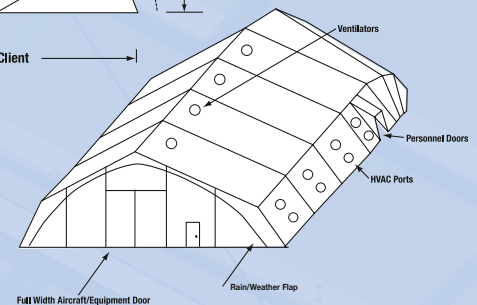
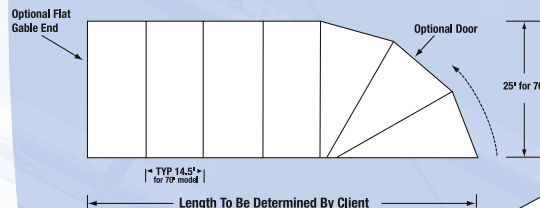
## MODULAR SHELTER SYSTEM Typical Configurations



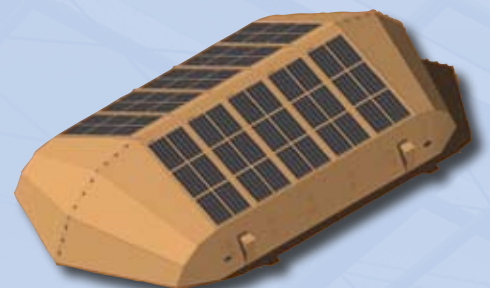
### Two Big Mouth Doors (Full-Width Aircraft Doors)



### Two Gable Ends



### One Gable End



### Two Big Mouth Doors (Full-Width Aircraft Doors) With Solar Panels