



DSI Portable Shelters

DESIGN SHELTER INC. 

Authorised distributor:

 **GLOBAL**
FABRIC STRUCTURES
QUALITY PRE-ENGINEERED SOLUTIONS

DSI Portable Shelter Systems



DSI Shelters have been used by the Military, USAR, Field Hospitals and Remote Camps worldwide for the past 20 years.



Global Fabric Structures is the authorised manufacturer and worldwide agent of DSI (Design Shelter Inc.) military-grade shelters for defence, USAR, field hospitals and remote camps. DSI shelters have been used in the field for more than 20 years.

DSI portable shelters have been utilised by organisations worldwide in some of the harshest environments. Specifically designed for remote deployments that require simple, fast and easy, reliable shelters in the field.

With quality that is second to none, these self-supporting structures are designed for lightweight tactical mobility with superior lifespan which exceeds 20 years. An internationally proven, highly versatile rugged portable shelter design offering unprecedented comfort and convenience for remote field applications.

Currently utilised by:

- Military
- Urban Search and Rescue Teams (USAR)
- Disaster Medical Assistance Teams (DMAT)
- Emergency Management Organizations (EMO)
- Mobile Medical Field Hospitals and Triage
- Natural Disaster Emergency Preparedness Teams
- Forest Fire Fighting Operations
- Police Crime Scene Investigation Units
- Secondary Decontamination Operations
- Hazardous Materials Management Teams (HAZMAT)
- International Relief Agencies
- Non-Governmental Organizations (NGO)
- Eco-Tourism Operations
- Remote Nature Tour Camps
- Hunting and Fishing Outpost Camps
- Private and Public Park Operators
- Prospectors & Developers
- Forestry and Tree Planting Crews
- Archaeological Expeditions



Unique Features

- Easily erected by two people without tools in less than 30 minutes
- Structurally superior articulated aircraft grade aluminium mainframe assembly
- Waterproof vinyl coated polyester cover with rot, mildew and ultraviolet light inhibitors
- Full height vertical sidewalls provide unprecedented comfort
- Full size folding hinged and latched door
- Lightweight and specially designed for a high degree of mobility
- Can last for up to 20 years
- Insulated for cold climates to U value approximately $1.11\text{Km}^2/\text{W}$ (R6.3)
- Designed for $10\text{kg}/\text{m}^2$ of static uniform vertical loading
- Standard and extended warranties available

A unique octagonal-shaped portable shelter designed to withstand severe cold, extreme heat and high winds, DSI Shelter performance is unsurpassed.



The Habitat

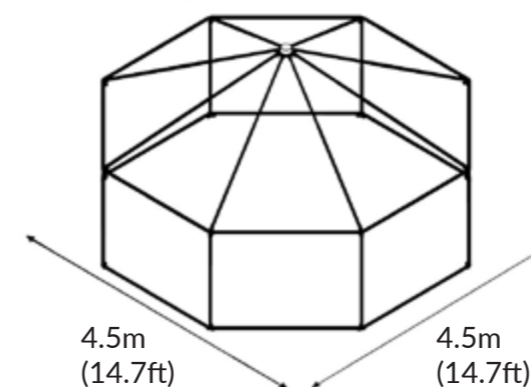
The Habitat is Design Shelter's most versatile series of portable shelters. Due to its simplicity in construction and octagonal shape it goes up easily and is extremely stable in high wind conditions. It is ideally suited to be used in the field for sleeping accommodations, medical operations, command and control centers, communications and project administration.

Other primary uses include mess halls, shower facilities, ablution shelters, cache storage, remote makeshift hospitals and portable classrooms to name a few.

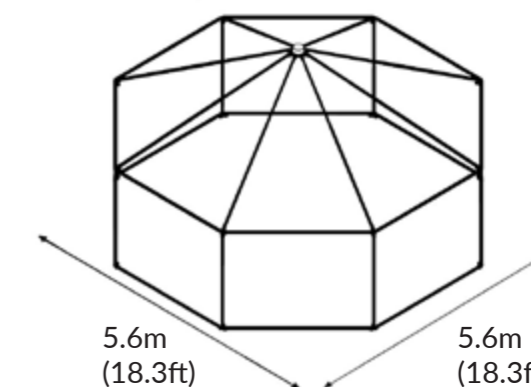
We take remote portable shelter manufacturing very seriously. If a job, incident or task at hand requires temporary soft walled shelter, we have taken every aspect of human convenience into consideration. From packaging, handling and set up, to comfort, stability, security, and strength... nothing has been overlooked.

Model	Diameter (Corner to Corner)	Width (Flat Edge to Flat Edge)	Length	Vertical Wall Height	Peak Height	Area	Weight (min.)	Standard Windows
H16	4.9m (16ft)	4.5m (14.7ft)	4.5m (14.7ft)	1.8m (6ft)	2.9m (9.6ft)	17m ² (183ft ²)	79kg (174lbs)	4 windows
H20	6.0m (20ft)	5.6m (18.3ft)	5.6m (18.6ft)	1.8m (6ft)	3.1m (10.3ft)	26m ² (280ft ²)	94kg (207lbs)	4 windows

H16



H20



The most versatile series of portable shelters.

The Long Habitat

The Long Habitat is an extended version of the Habitat product and provides additional floor area. It is ideally suited to be used in the field as facilities for sleeping accommodations, medical operations, command and control centers, communications and project administration.

Other primary uses include mess halls, shower facilities, ablution shelters, cache storage, remote makeshift hospitals and portable classrooms to name a few.

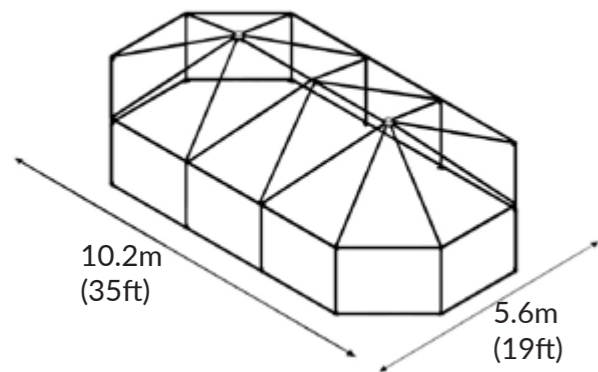
The Design Shelter Long Habitat is the most versatile mid-sized portable shelter available in the market.

Notes (applies to all shelter models):

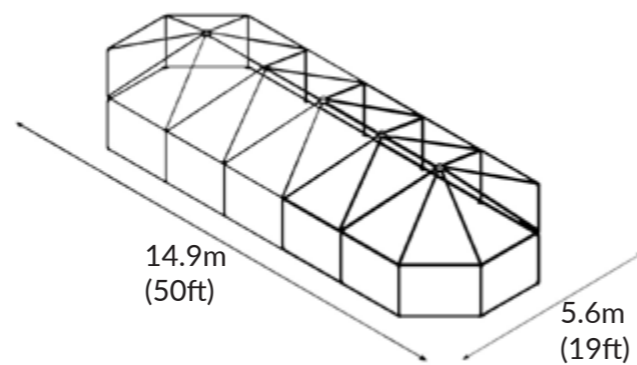
- Standard vertical sidewall height is 183cm (72").
- Standard folding double door is 117cm (46") wide. Single width door is also available as an option for any shelter at 58cm (23") wide.
- 6 standard windows come with the LH1935, and 8 standard windows for the LH1950. Standard window sizing is 102cm (40") wide by 81cm (32") tall. Each window has a three layer design - removable bug screen, clear vinyl window and privacy flap.
- All Habitat model exterior vinyl covers are secured to the mainframe assembly by way of heavy duty Velcro.



LH1935



LH1950



Model	Width (Flat Edge to Flat Edge)	Length	Vertical Wall Height	Peak Height	Area	Weight (min.)	Standard Windows
LH1935	5.6m (19ft)	10.2m (35ft)	1.8m (6ft)	3.1m (10.3ft)	52m ² (560ft ²)	118kg (260lbs)	6 windows
LH1950	5.6m (19ft)	14.9m (50ft)	1.8m (6ft)	3.1m (10.3ft)	78m ² (840ft ²)	212.3kg (468lbs)	8 windows

Accessories

Optional Support systems and Accessories for all DSI Shelters

Great care has been taken to present a wide variety of field support equipment for all DSI shelters. Support field equipment and accessories include but are not limited to the following:

- **Insulated Cover Sets:** Design Shelter insulated covers compliment the shelter proper by providing a reflective radiant heat barrier and gas space between the insulation and exterior vinyl cover. A layer of gas filled bubble pack is sandwiched between a single layer of highly reflective foil with a thin layer of antimicrobial vinyl laminated to the inside. The DSI insulation fabric U-value is measured at $1.11\text{Km}^2/\text{W}$, corresponding to an overall R-value of $6.3\text{ft}^2 \text{ }^\circ\text{F h}/(\text{Btu in})$. The optional DSI thermal insulation fabric works effectively well in cold climates by keeping radiant heat energy in and by keeping the sun's radiant heat energy out in hot climates at the same time providing superior thermal energy resistance through the flexible fabric.
- **Electric Light & Wiring Harness Sets:** Design Shelter has custom designed an electric LED light and wiring harness set that secures to the mainframe proper on the inside of the shelter. Our LED single bulb ruggedized and weather resistant light enclosure works off a switch at each door and provides several ground fault protected receptacles for minor electrical appliances. Power is supplied to the kit with a standard field fuel fired electric generator or with shore electric power systems.
- **Additional Field Support Equipment Includes:** custom fit desk and shelf sets, custom fit vinyl ground covers, portable bunk beds, double width doors, tri-fuel quick fire temperature-controlled air heater systems, air conditioning, exhaust fans, HEPA air filtration systems, pressure control for negative pressure isolation or positive pressure containment, portable showers and ablution stations, water purification, potable water storage bladders, water distribution kits, on demand hot water heaters, 3 station gang sinks and grey water storage bladders. Further, Design Shelter offers our customer the choice between ruggedized field bags or hard shell aluminium cases for ease of transport and storage. Design Shelter continues to search for innovative ways to support our customers in the field with value added products.



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