

TECHNICAL SPECIFICATION FOR SHELTER SYSTEMS

1. **Nature and/or description of the action being requested.** The product solicited is a long life, high impact, wind resistant, water resistant, guaranteed, portable, modular, collapsible SHELTER SYSTEM to use in field operations
2. **A description of the supplies or services required to meet the project needs:** The requested shelters units will be used in direct support of CNP DIRAN base camps that support counternarcotic operations. Request deployable modular, easily assembled/dismantled shelter system that combines highly durable materials with light weight, easy to carry and transport system.

The shelter needs to be collapsible, easily and rapidly assembled/dismantled, with minimum effort and man power, requiring no specialized tools or equipment. Shelter shall collapse into a tight easily transported package.

The shelter system requested consists of several easily assembled, solidly constructed / fabricated parts such as:

- Main Frame.
- Exterior Cover.
- Inner Floor Liner.
- Inner Insulation Liner.
- Threshold Ramps.
- Door kits
- Window kits
- Anchor / Stake Kits.
- Interior Lamps System.
- Ceiling Fans
- Electrical Wiring System / Wiring Harness System.

Here below a more detailed description of each item:

3. **Detailed Description of Requirement:**

a) **MAIN FRAME**

- The main frame shall be manufactured in aircraft grade aluminum.
- When the frame its deployed shall give a floor space or area minimum of: 570 ft²
- Minimum side wall height is 6' ft.
- Shelter shall collapse into a tight, easily transported package.
- The structure shall have a rated minimum wind capacity of 70 mph.
- All structure material (hinge, pins, parts) must not rust.

b) EXTERIOR COVER.

- Exterior cover, walls and roofs shall be made of a minimum 14 oz vinyl.
- Exterior cover shall be flame and mold retardant.
- Exterior cover shall slide over the frame for easy setup.
- Exterior cover shall wrap the whole main frame allowing floor space to be fully utilized.
- Color Green Olive

c) DOOR AND WINDOW KITS

- The shelter shall have two solid, lockable doors made from a rigid aluminum frame and fabric covered.
- The shelter shall have window kits or equivalent (will allow for a continuous window option) with privacy flaps and mosquito screens.
- Every 10 linear feet must have a minimum of one (1) 3' x 3' window kit or equivalent across the length of the tent on each side wall.
- Door entries shall have threshold ramps.

d) INNER FLOOR

- The floor shall be made of a minimum 18 oz vinyl.
- Inner floor shall connect to the interior (insulation) liner and the shelter walls.
- Inner floor shall cover an area of minimum 570 ft².
- Inner floor shall be made of flame and mold retardant material.
- Inner floor shall have Threshold kit.
- The Inner floor shall be easily removable.

e) INSULATION LINER / THERMAL BARRIER

- Inner insulation liner shall provide adequate insulation to maintain temperature inside the shelter and minimize AC/heating requirement.
- Inner insulation liner shall be independent of the shelter walls and roof.
- Inner insulation liner shall be easily removed and capable of being used separately.
- Inner insulation liner material shall be flame and mold retardant.
- Inner insulation liner material shall not obstruct use of windows or doors.

f) ANCHOR / STAKE KITS

- Anchor / Stake kit must provide adequate tie down capability to ensure maximum wind resistance.
- The anchor kit shall have a minimum wind capacity of 70 mph.

g) CEILING FANS

- The fans shall hang from the main frame with easily installed brackets or a suspension system.
- The fans shall be variable speed and speed controlled.

h) INNER LAMPS SYSTEM

- Inner lamps system shall provide adequate fluorescent lighting meeting appropriate safety codes and illumination requirements for inner shelter space.
- Inner lamp system shall include hanging hooks.
- Inner lamp system shall include on/off switches.
- Inner lamp system shall not generate heat.
- Inner lamp system shall be low amp draw.
- Inner lamp system shall include easily securable shatterproof tube (s).
- Inner lamp shall meet ASTM specification for water resistance.

i) SHELTER WIRING HARNESSSES SYSTEM

- Wiring harnesses shall easily connect to the interior liner or frame.
- Wiring harnesses shall provide internal power source throughout the shelter.
- Wiring harnesses shall provide sets of harnesses with minimum three (3) junction boxes per side wall.
- Each junction box of the Wiring Harnesses shall have a minimum of two (2) outlets.
- Wiring Harnesses shall include: Weather-tight duplex receptacle.
- Wiring Harness shall provide a GFCI protected device and shall meet all electrical safety codes.