MISSION CRITICAL SHELTER SOLUTIONS

PRODUCT CATALOG

LARGE AREA MAINTENANCE SHELTERS (LAMS)

DOME SHELTERS

MEDIUM SHELTERS

SMALL SHELTERS

HUMANITARIAN SHELTERS

CELINA™ CAPABILITIES STATEMENT

MISSION CRITICAL SHELTER SOLUTIONS

INCOMPARABLE EXPERIENCE AND CAPABILITIES

- Established in 1996, CELINA Tent, Inc. is a small business located in Ohio with expertise in the design, engineering, test & evaluation, manufacture, kitting, and installation of high-reliability soft-sided shelters and shelter-related products in both the commercial and military markets.
- CELINA produces innovative, rapidly deployable, safe, and SWaP+C optimized shelters with enduring longevity even in the most extreme cold, heat, winds, and snow loads to support a broad range of humanitarian and contingency operations.

SAFEGUARDING CRITICAL WEAPON SYSTEMS

- The US Military entrusts CELINA to provide shelters for its most critical weapon systems and ISR assets, to include fighter aircraft, helicopters, and drones deployed across the globe.
- CELINA provides "total package approach" solutions for austere base camp and weapon system deployments, to include design layout and support equipment.

INNOVATING FOR MAXIMIZED OVERMATCH

- CELINA understands the role intelligent and innovative shelter design and engineering play in creating "strategic, asymmetric advantages for the Nation," especially in today's peer-to-peer/near-peer warfare environment.
- CELINA's energy efficient shelters result in a smaller downrange footprint and reduced overall logistics throughput—a true Agile Combat Employment enabler.
- CELINA is improving US Military CBRN/ColPro and extreme cold weather capabilities in support of DoD priorities and the USAF's 2020 Arctic Strategy.

WARFIGHTER'S PREFERRED PARTNER

- CELINA shares the values of our military customers with an uncompromising dedication to mission: teaming with the warfighter to deliver high-reliability products based on customer requirements and mission demands.

CORE COMPETENCIES

- Heat and RF fabric welding
- Surge production housing and implementation
- Fabric shelter structural
  - Design & engineering
  - Research, development, test & evaluation
  - Rapid prototyping

AREAS OF DISTINCTION

EXPERIENCE
We've provided sales and continuing service to clients since 1996

INNOVATION
The freedom to imagine and develop new technologies to answer our customers' needs

QUALITY
CELINA's quality system covers all aspects of production and shipping, and is ISO 9001:2015 registered

FOOTPRINT
CELINA has grown to a total of 276,000 square feet of production space

COMPANY SNAPSHOT

CAGE Code: 1U9Z5
DUNS Number: 962650016
SAM Registration: Current
UEI: G8VPNT9Q99PS

NISH (JWOD) Affiliation
CELINA outsources component parts to
CA INDUSTRIES, Celina, Ohio
NISH Registered; ID# 3654; Status-Associated

NAICS Codes
314910 Textile Bag and Canvas Mills
313320 Fabric Coating Mills
313310 Textile and Fabric Finishing Mills
541330 Engineering Services
624230 Emergency and Other Relief Services
332311 Prefabricated Metal Building and Component Manufacturing
326220 Rubber and Plastics Hoses and Belting Manufacturing
337214 Office Furniture (except Wood) Manufacturing
314994 Rope, Cordage, Twine, Tire Cord, and Tire Fabric Mills
314999 All Other Miscellaneous Textile Product Mills
315210 Cut and Sew Apparel Contractors
332618 Other Fabricated Wire Product Manufacturing
336413 Other Aircraft Parts and Auxiliary Equipment Manufacturing
423390 Other Construction Material Merchant Wholesalers

Contract Vehicles
JE-RDAP W911QY-18-D-0033
GSA Contract: GS-07F-5874P
COTS Contact: SPE1C1-21-D-1402

PAST PERFORMANCE

CELINA has provided shelters globally in support of disaster relief, humanitarian efforts, commercial, industrial, government and military use produced in our vertically integrated manufacturing facilities. CELINA has built strong relations of trust and understanding with our expeditionary focused customers and has a proven track-record of successful past performance with Department of Defense program offices.

MISSION CRITICAL CELINA SINCE 1996 ★USA★ SHELTER SOLUTIONS

Humanitarian General Purpose Tent System (HGPTS)
CELINA has manufactured over 10,000 HGPTS

USAF Base Expeditionary Airfield Resources (BEAR) Program
Intimately involved in design, certification, and key program improvements, CELINA manufactures the Expeditionary Field Kitchens, Type I and Type II and the Dome Shelters, 4K and 8K

Industry-Wide Renowned Fabric and Shelter Expert
As a trusted partner of many firms, CELINA has designed, certified, and manufactured tens of thousands of military and emergency response fabric and shelter products

FEMA unicef

CELINA™ CAMPUS

Combining Experience and New Technology to Continually Move Forward

With our range of fabric welding machinery, we do a vast amount of work creating items such as:

- Shelters
- Tarps and curtains
- Self-contained dry storage containers
- Specialty canopies
- Reinforced and lay-flat ducting
- Insulation quilting
- Multi-panel fabric welding
- Potable water storage

Our versatile fabrication methods allow CELINA to stay at the forefront of the vinyl fabric production industry.

Markets Served

- Aviation
- Agriculture
- Defense
- Disaster Relief
- Energy
- Government
- Humanitarian
- Industrial
- Marketing
- Promotional Products

VERTICAL MANUFACTURING

Manufacturing Capabilities

- Vertically integrated to minimize outsourcing for better quality assurance, shorter lead times, increased repeatability, and lower transportation costs.
- Fabric production is 100% designed, printed, cut, welded, sewn, inspected, and packed within CELINA's facilities.
- Heavy investment in modern machining equipment ensures product quality and consistency, and controlled costs.
- Utilize DoD manufacturing readiness levels (MRLs) to manage product lines and varying production rates.
- Strong strategic supplier relationships ensure supply of outsourced components.
- Significant surge capacity available for contingency situations.

85,000 FT² fabric welding & sewing facility. 9 production lanes can run multiple product lines simultaneously.

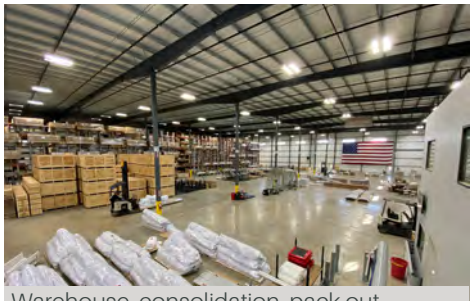
Fabric layout, inspection, and welding using HF/RF welding equipment.

CNC machining center uses CAD model interfacing to fabricate metal frame components.

CNC fabric cutting & marking machines use CAD model interfacing to cut fabric with print integration and lot control marking.

Hot air fabric welding equipment with alignment lasers & vacuum beds for holding fabric in place.

3-Acre shelter testing/proving grounds for long-term shelter demonstration & verification.



Warehouse, consolidation, pack out, crating, and kitting in CELINA's Distribution Center.

100,000 FT² Distribution Center.

Secure 7-acre container handling and storage yard.

SALES AND SUPPORT

CELINA SUPPORT

419-586-3610

MilitaryShelters@Celina.com

CelinaMilitaryShelters.com

5373 State Route 29, Celina, Ohio 45822 USA

HOW TO BUY

Whether you are a civilian, government customer, or a distributor, ordering with CELINA is simple and straightforward.

GSA Contract Holder
Contract # GS-07F-5874P

GSA:
U.S. GENERAL SERVICES ADMINISTRATION

Email: GSA@Celina.com
Phone: 419-586-3610
Website: gsaadvantage.gov
Contract number: GS-07F-5874P

TLS:
DLA TAILORED LOGISTICS SUPPORT

Email: MilitaryShelters@Celina.com
Phone: 419-586-3610

Contract Holder
Contract # SPE1C1-21-D-1402

COTS:
DLA TROOP SUPPORT

Email: MilitaryShelters@Celina.com
Phone: 419-586-3610
Website: dla.mil/TroopSupport
Contract number: SPE1C1-21-D-1402

U.S. AIR FORCE

SRC:
STRATEGIC REPLENISHMENT CONTRACT

Email: MilitaryShelters@Celina.com
Phone: 419-586-3610
Website: CelinaMilitaryShelters.com

JE-RDAP:
JOINT ENTERPRISE RESEARCH, DEVELOPMENT, ACQUISITION AND PRODUCTION AND PROCUREMENT

Email: JE-RDAP@CelinaTent.com
Phone: 419-586-3610
DLA JCP#: 0046943
Contract number: W911QY-18-D-0033

PURCHASE DIRECT WITH CELINA:

Email: MilitaryShelters@Celina.com
Phone: 419-586-3610
Website: gettent.com

CONTENTS/ICON LEGEND

We've harnessed all of our experience in the fabric shelter field to design some of the most advanced shelters to aid in military expeditions. Innovation plays a key role in how CELINA stays at the forefront of shelter design. Our shelters can be adjusted at the engineering level to ensure the best fit is made for the shelter's end use.

INTENDED USES

- Command center
- Offices
- Billeting
- Field hospitals
- Kitchen/dining
- Storage/warehousing
- Vehicle maintenance
- Aircraft maintenance

FABRIC COLOR

- White
- Desert tan 686A color
- Camouflage green 483 color
- Reversible 686A desert tan 483 camouflage green

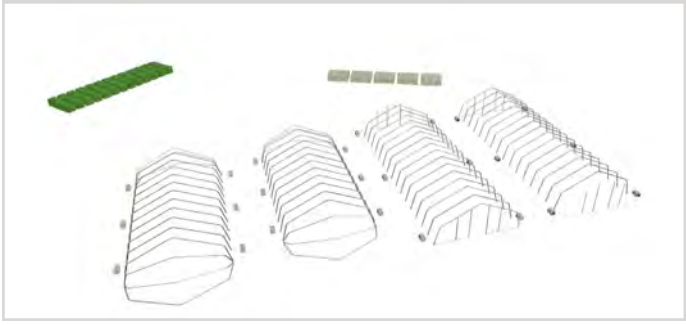
TRANSPORT

- Air transportable
- Ground transportable

TURNKEY SOLUTIONS

CELINA provides comprehensive site design and layout, soil analysis, site preparation, installation, support equipment, and services in accordance with current US Military guidelines. The CELINA team moves with speed and flexibility to rapidly move from concept to IOC to FOC.

DESIGN



LAYOUT

SOIL ANALYSIS

SITE PREPARATION

INSTALL

GROUND WORK

TURNKEY SOLUTIONS

CELINA SHELTER LOCATIONS AROUND THE WORLD

OFFICES

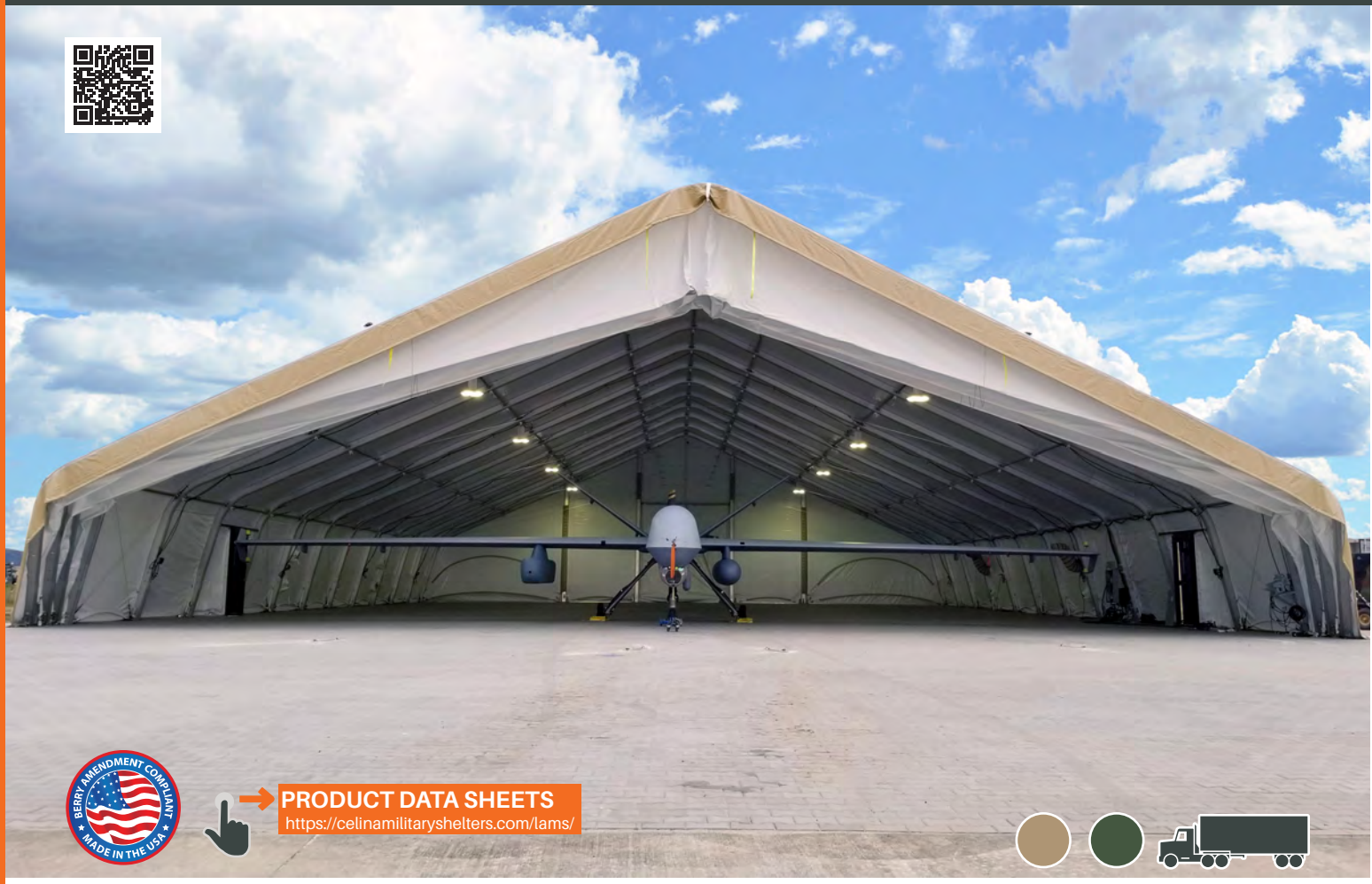
LATRINES

GENERATORS, HEATERS, ECUs

EXHAUST EXTRACT

LARGE AREA MAINTENANCE SHELTER (LAMS)

75'x195' LAMS NSN: 8340-01-707-9507 **75'x132' LAMS NSN: 8340-01-808-9546**



CELINA's LAMS are versatile for aircraft and vehicle maintenance as well as a general storage purposes. Easily relocatable due to the modular design, the LAMS can be constructed with gable end walls or retractable eyelid doors. CELINA LAMS are expeditionary, pre-engineered, and highly reliable.

Features

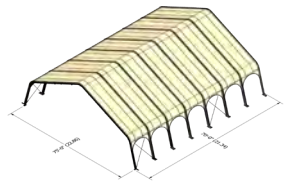
- Pre-engineered anodized aluminum frame support system
- Gable wall and eyelid door options for maximum versatility
- Easily relocatable and ground erectable
- Pre-assemble hardware minimizing on-site assembly
- Integrated keder tracks for simple fabric attachment
- Modular design allows for expandability

Intended Uses

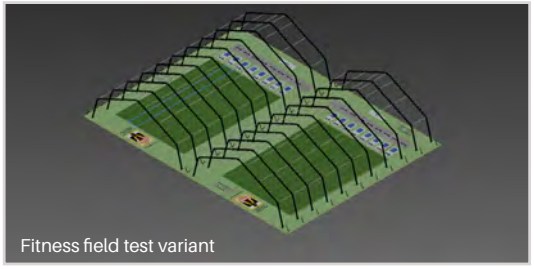
Specifications

- Engineered to 90 mph wind load (up to 135 mph gusts avail)
- Engineered 8 psf of snow for up to 12 hours (up to 20 psf avail)
- Rain load of 4" per hour with 40 mph winds
- Water resistant, flame retardant fabric
- 75'x195' LAMS NSN: 8340-01-707-9507
- 75'x132' LAMS NSN: 8340-01-808-9546
- Designed to meet or exceed US Military performance specifications

LARGE AREA MAINTENANCE SHELTER (LAMS)



Sun shade variant



Fitness field test variant

Intended Use Variations:

The CELINA LAMS is a portable, temporary facility that is available in different styles:

Storage (Type S)	Is the basic style used for general storage. Door options include standard personnel and vehicle door styles.
Aviation (Type A)	Allows aircraft to be housed and serviced. Designed with retractable tri-lid doors that open the entire width of the structure.
Vehicle (Type V)	Has doors sized for various types of vehicles and also provides space for storage and maintenance.
Drone (UAV)	Has a wider width with a lower profile designed to house drone aircrafts. Lower overall height improves engineering performance.
Configure to Order (CTO)	Uses common components from LAM S, A, V and UAV specifications to meet customer requirements.

Camouflage green 483 fabric color options available for all LAMS shelters. Standard sizes listed LAMS attributes can be modified at the customer's request to provide shelters to match any need.

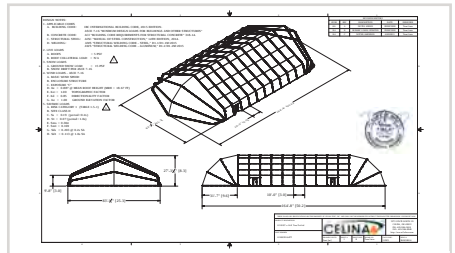
Gable end walls provide supports for personnel doors and entry ways

Eyelid doors allow for maximum clearance when entering the shelter

Keder fabric panels install quickly and easily

Standard beam design, including integrated keder track

Locking purlins provide enhanced stability across the shelter



Pre-engineered with professional engineer stamp

PROSPAN FABRIC STRUCTURES (E SERIES)

Description

CELINA's PROspan Fabric Structures (E Series) are an ideal solution for temporary or even permanent space and are just as durable as traditional buildings. Our entire product range of structures offer a rapid and economical solution for almost all requirements. The PROspan (E Series) focuses on flexibility, quality, sustainability, and reliability. Thanks to flexibly configurable dimensions, you can easily accommodate everything under one shelter. Our shelter systems are designed to meet stringent requirements of both USA and Europe specifications. These structures are multi-functional in field operations and can be deployed as accommodation, command post, dining hall, hangar and storage tents, as well as for maintenance of your aircraft and vehicles.

Features

- Tan 686A (color #33446) or camouflage green 483 fabric color options
- Pre-Engineered aluminum alloy frame support system
- Ridge and eave connectors made of galvanized steel
- Fully relocatable and ground deployable
- Pre-assembled hardware minimizes on-site assembly
- Integrated keder tracks for simple fabric attachment
- Modular design allows for expandability
- Adjustable length in 5 m (16'4") increments

Intended Uses

Specifications

- Wind load standards according to DIN EN 13782
- Snow load (floor) 105 kg/m² (21.5 lbs/ft²)-150 kg/m² (30.7 lbs/ft²)
- Snow load (roof) 84 kg/m² (17.2 lbs/ft²)-120 kg/m² (24.6 lbs/ft²)
- Water resistant, flame retardant fabric

Optional Add-Ons

- Additional snow load kit
- On-site installation including SME training and support options
- Annually, quarterly, or monthly maintenance

Fabric

- USA made Berry Amendment compliant fabric

Frame

- German made environmental site compliant frame

PROSPAN FABRIC STRUCTURES (E SERIES)

	10 Series		15 Series		20 Series		25 Series	
Standard Size	10 m x 15 m 32.81' x 49.21'		15 m x 40 m 49.21' x 131.23'		20 m x 40 m 65.62' x 131.23'		25 m x 40 m 82.02' x 131.23'	
SKU	C31010X015		C31015X040		C31020X040		C31025X040	
	Metric	Imperial	Metric	Imperial	Metric	Imperial	Metric	Imperial
Width	10 m	32.81'	15 m	49.21'	20 m	65.62'	25 m	82.02'
Length	15 m	49.21'	40 m	131.23'	40 m	131.23'	40 m	131.23'
Ridge (Apex) Height	5.9 m	19.36'	7.63 m	25.03'	8.45 m	27.72'	9.30 m	30.51'
Eave Height	4.20 m	13.78'	5.20 m	17.06'	5.20 m	17.06'	5.20 m	17.06'
Bay Distance	5.0 m	16.40'	5.0 m	16.40'	5.0 m	16.40'	5.0 m	16.40'
Snow Load (Floor)	150 kg/m^2	30.7 lbs/ft^2	105 kg/m^2	21.5 lbs/ft^2	105 kg/m^2	21.5 lbs/ft^2	105 kg/m^2	21.5 lbs/ft^2
Snow Load (Roof)	120 kg/m^2	24.6 lbs/ft^2	84 kg/m^2	17.2 lbs/ft^2	84 kg/m^2	17.2 lbs/ft^2	84 kg/m^2	17.2 lbs/ft^2
Main Aluminum Profile	230 x 91 x 4/3 mm		252 x 122 x 4 mm		334 x 122 x 4, 5/8 mm		334 x 122 x 4, 5/8 mm	

Standard Shelter Kit Includes

- Overhead roll up door, 2 units
- Single personnel door, 2 units
- Electrical panel with power receptacles, 1 system
- High bay LED warehouse lighting, 1 system

Overhead roll up door
4.88 m x 4.20 m (16' 0" x 13' 8")

Single personnel door
1 m x 2.125 m (3' 3" x 6' 12")

Pre-Engineered aluminum alloy frame support system

DOME SHELTER

4K Dome NSN: 5410-01-455-2004 **8K Dome NSN: 5410-01-494-5130**

CELINA's 4K and 8K Dome shelters are modular shelter systems built and designed to be completely air transportable. The rugged design adapts to changing climates and is constructed of an anodized aluminum frame system. CELINA's Dome shelter is available in standard configurations that supports a tri-lid door or "big mouth door" to house various maintenance functions.

Features

- Designed for rapid air transport
- Packs out in bicon/ISU90 containers
- Unbent anodized aluminum frame support system
- Steel joiners at eave and apex locations
- 100% on-ground installation capable
- Minimal tool requirements
- Electrical system with ventilation
- Modular design
- Versatile set-up on sand, concrete/asphalt, gravel/hard-pack

Intended Uses

Specifications

- Resists wind speeds up to105 mph
- Withstands 20 psf of snow
- Rain load of 4" per hour with 40 mph winds
- Temperature limits -25 to 140 °F
- Water resistant, flame retardant fabric
- 4K Dome NSN: 5410-01-455-2004
- 8K Dome NSN: 5410-01-494-5130
- Designed to meet or exceed US Military performance specifications

CELINA's team worked with the Holloman BEAR J2 team, training BEAR personnel and Warner Robins BEAR representatives during an operational readiness review at Holloman Air Force Base, New Mexico, USA.

Part Number	NSN	Type	Dimensions	End Configurations
C-9434477-30-T	5410-01-455-2004	4K	69'5" W x 89'3" L, 11' Eaves	Tri-lid/Gable Ends
C-9434477-20-T	5410-01-494-5130	8K	69'5" W x 116'3" L, 11' Eaves	Gable Ends

Electrical panel

Ventilators (external/electric roof ventilator)

Lighting hubs

Tri-lid door (full-width aircraft door)

Gable end with fabric vehicle door and personnel door

Kitting, consolidation, and pack out for air transport

CELINA™ DYNAMIC MEDIUM SHELTER

BERRY AMENDMENT COMPLIANT
MADE IN THE USA

PRODUCT DATA SHEETS
https://celinamilitaryshelters.com/medium/

The CELINA Dynamic Medium Shelter features a frame design that reduces carry weight while maintaining overall shelter strength. The unique arch design offers additional stability and support, resulting in a reduced need for arches. The self-squaring frame pieces fit together seamlessly, allowing for compact packing into smaller shipping containers. CELINA's Dynamic Medium Shelter is equipped with an 11' tall maintenance door and personnel door on each end wall, ensuring convenient access for users. The shelter's keder track fabric flooring provides a continuous and waterproof connection, guaranteeing a dry and secure environment. Additionally, its internal liner enhances thermal and energy efficiency, further elevating its functionality.

Features

- Packs out into 463L pallets
- Aluminum frame support system
- Arches are lifted from ground level without special equipment
- Cross support bars connect by sliding into place
- Compatible with all of CELINA's accessories
- Meets or exceeds all US Military shelter standards
- Advanced pack-out for quick deployment
- Fully assembled in three hours with 6 people

Intended Uses

Specifications

- Resists wind speeds up to 90 mph with gusts up to 100 mph
- Withstands 10 psf of snow load for up to 4 hours
- Rain load of 4" per hour with 40 mph winds
- Water resistant, flame retardant fabric
- Designed to meet or exceed US Military performance specifications
- Meets temperature range from -25 to 125 F
- Standard dimensions are 30' x 52'

DYNAMIC MEDIUM SHELTER

Key CELINA Advantages:

- Fabric floor is secured to the shelter base frame using keder track, creating a continuous waterproof connection
- Frame is self-squaring with fewer pinch points
- Arch frame is manufactured in separate pieces requiring no welding
- Keder design and fewer arches provides superior fabric tension resulting in longer life due to decreased susceptibility to water build up or wind damage
- Hoisted interior liner creates a natural insulator for greater energy efficiency

Available Enhancements:

- Resistance to and protection from chemical, biological, and radioactive contaminates
- Increase thermal efficiencies through use of specialty treated fabrics

Frame arch segments

Arch/purlin installation

Insulating liner installation

Personnel and maintenance doors

Dynamic medium shelter

Vehicle maintenance/storage

Celina Tent, Inc. • Celina, Ohio 45822-9210, USA • 419-586-3610 • MilitaryShelters@Celina.com • CelinaMilitaryShelters.com • CAGE: 1U9Z5

CELINA™ DYNAMIC SMALL SHELTER

The CELINA Small Shelter uses the same base frame system as the Medium Shelter, but it's made to cover smaller spaces. The design of each arch spreads stress evenly down to the base plates and stakes and is erected in minutes. The self-squaring frame pieces fit together seamlessly, allowing for compact packing and ease of transportation The shelter's keder track fabric flooring provides a continuous and waterproof connection, guaranteeing a dry and secure environment. Additionally, its internal liner enhances thermal and energy efficiency, further elevating its functionality. Its adaptable design makes it suitable for a range of applications, providing a reliable space in different operational settings.

Features

- Aluminum frame support system
- 100% from-ground installation
- No added heavy machinery required
- Minimal tool requirements
- Hinge attachments connect in seconds
- 463L-Pallet optimized
- Fully assembled in 30 minutes with 3 people

Intended Uses

Specifications

- Resists wind speeds up to 90 mph with gusts up to 100 mph
- Withstands 20 psf of snow load for up to 4 hours
- Rain load of 4" per hour with 40 mph Winds
- Water resistant, flame retardant fabric
- Designed to meet or exceed US Military performance specifications
- Standard dimensions are 20' x 32.5'

Available Enhancements:

- Resistance to and protection from chemical, biological, and radioactive contaminates
- Increase thermal efficiencies through use of specialty treated fabrics

DYNAMIC SMALL AND MEDIUM SHELTER

Key Advantages:


FROM GROUND SET UP
NO LADDERS = SAFER

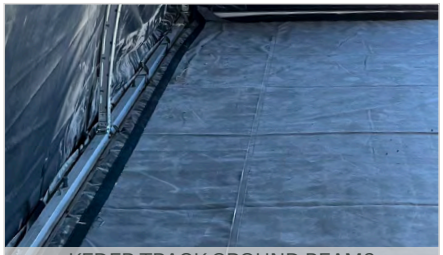

SMART PURLIN AND ARCH HINGE DESIGN
DOES NOT ALLOW INCORRECT ASSEMBLY


TAPERED/PRE-ENGINEERED TRUSS ARCH
OPTIMIZES STRUCTURAL PERFORMANCE


ARCH DESIGN REDUCES NUMBER OF
ARCHES REQUIRED

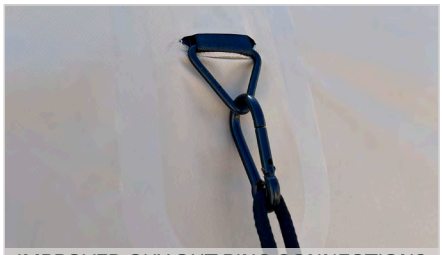

NO WELDED COMPONENTS
ENSURES STRUCTURAL INTEGRITY


SELF-SQUARING FLOOR
SPEEDS UP SET-UP/NO MEASURING


KEDER TRACK GROUND BEAMS
PROVIDE VECTOR BARRIER


FABRIC TENSION VIA CAM BUCKLES
MAXIMIZES FABRIC LONGEVITY


THREE LAYER, ENERGY EFFICIENT
CONVENIENCE WINDOW


IMPROVED GUY OUT RING CONNECTIONS
ENSURES YEARS OF OPERATION


INTERNAL WHITE LINER
PROMOTES THERMAL/ENERGY EFFICIENCY


SET IT AND FORGET IT,
DURABILITY


MEDIUM SHELTER FROM GROUND SET UP


UKRAINIAN MILITARY UTILIZING DSS
AS A MOBILE MEDICAL FACILITY

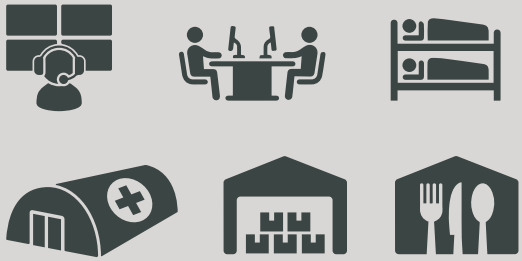
ADAPTIVE COLOR AND ENVIRONMENT (ACE) SHELTER

The Adaptive Color and Environment (ACE) Shelter design is distinctive for its innovative reversible fabric that enables a green or tan shelter to be erected in any environment. Enabling quicker deployment, less inventory overhead, and a significant cost savings in distribution and formation of camps. The features include a reduction in arches that provide an expanded multi-functional interior space. Utilization of internal liners and bubble foil radiant barrier liners minimizes exterior noise interruptions. The unique frame incorporates tensioning purlins and kedar fabric, ensuring uniform tautness and even stress distribution, enhancing the overall durability and strength to withstand extreme weather conditions and climates. The lightweight frame components lessen physical exertion when installing the shelter.

Features

- **Patented tan/green** reversible fabric to adapt to any environment
- Durable anodized ready-made aluminum frame, lighter to transport
- Rugged steel eave and apex joiners, add strength where it's needed most
- Wall and roof X-Bracing for added stability and ease of assembly
- External accordion style vestibule provides privacy and climate control
- High wind staking options
- 6 person team can assemble in 40 minutes
- Keder tensioned fabric and liner that supports and inlates better than competitors
- *Optional energy efficient insulation package provides enhanced efficiency

Intended Uses



Specifications

- Standard dimensions are 20' width x 33' length
- Resists wind speeds up to 90 mph
- Withstands 20 psf of snow
- Prevents water intrusion during exposure to steady rain, wind driven rain, and water spray testing in accordance with TOP 10-2-175
- Water resistant, flame retardant fabric (MIL-PRF vinyl laminate)
- Designed to meet or exceed US Military performance specifications

Snow load validation accordance with TOP 10-2-175

ADAPTIVE COLOR AND ENVIRONMENT (ACE) SHELTER

Side by side configuration

End to end configuration

Optional ACE Shelter Energy Efficient Package

As a highly energy efficient shelter, the energy efficient package achieves a 50 °F temperature difference with one 5-ton ECU supplying two shelters when cooling. When heating, a temperature difference of 80 °F higher than ambient air is achieved with a 130k BTU/hr indirect fuel fired heater supplying **two shelters**.

Thermal management areas

Conduction:

- An air gap separating the fabric skin from the insulating liner prevents thermal conduction from occurring due to direct contact between materials
- Unisex flaps on each insulating liner allow an additional air gap at the shelter frame's arches to prevent conductive energy from passing through the arches, eliminating a thermal bridge
- Fabric skin, insulating liner, and fabric floor are constructed from materials with low thermal conductivity that are air and watertight
- Half the number of arches of similar shelters allows for further minimization of conductive heat transfer

Convection:

- Millions of still air chambers located within the layers of the high performance dual-function bubble foil insulation are designed to impede the natural air flow of the convective current between chambers
- A sealed connection between the insulating liner and the fabric floor reduces convective heat loss between the conditioned space and the ambient air currents
- The aluminum frame's keder tracking ensures the optimum spacing of still air space between the fabric skin and insulating liner is maintained
- Air tight fabric construction methods including hot air, HF/RF, and ultrasonically welded seams are used at critical locations to ensure air tightness.

Radiation:

- The bubble foil radiant barrier contains a highly reflective, low emissivity coating, used to radiate energy away from the interior conditioned space.

Anodized aluminum frame

Shelter body panel installation

Bubble foil radiant barrier (*optional)

Internal white liner

Plenum, lighting, and power receptacles

HVAC/utility units

MULTI-PURPOSE AREA SHELTER SYSTEM

Type I NSN: 5410-01-626-8712 **Type II NSN: 5410-01-626-8713**

PRODUCT DATA SHEETS
https://celinamilitaryshelters.com/small/

CELINA's Multi-Purpose Area Shelter is designed to provide increased environmental protection and energy efficiency to the warfighter. The shelter is a field-proven subsystem within the U.S. Air Force's BEAR Kitchen System, and has been deployed to numerous locations worldwide. The system is supported by a lightweight, rigid framework and designed to be deployed within a moment's notice. It is transported in all shipping configurations (land, air and sea) and easily erected.

Features

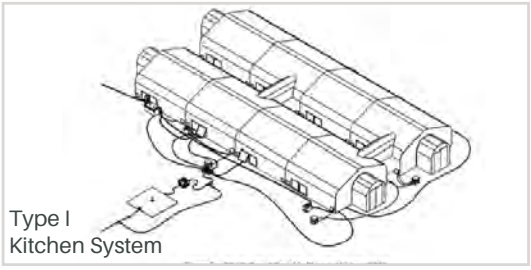
- Anodized aluminum frame support system
- Energy efficiency
- Structural exterior weather barrier fabric
- Transported in all shipping configurations

Intended Uses

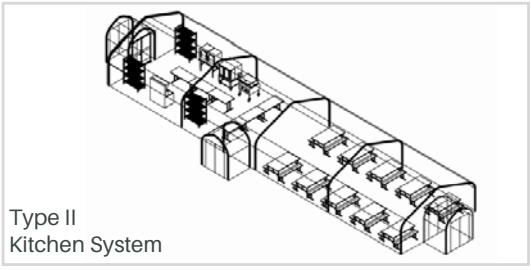
Specifications

- Resists wind speeds up to 90 mph
- Withstands 10 psf of snow load
- Rain load of 4" per hour with 40 mph Winds
- Water resistant, flame retardant fabric
- Type I NSN: 5410-01-626-8712
- Type II NSN: 5410-01-626-8713
- Designed to meet or exceed US Military performance specifications

MULTI-PURPOSE AREA SHELTER SYSTEM



Type I
Kitchen System



Type II
Kitchen System

Name	Type	Part Number	NSN	Dimensions
Multi-purpose Area Shelter System	I	PD13WRNZAB1014-T	5410-01-626-8712	(2) 20'4" x 80'
Multi-purpose Area Shelter System	II	PD13WRNZAB1024-T	5410-01-626-8713	20'4" x 80'

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CELINA™
NSN: 8340-01-535-6379

HUMANITARIAN GENERAL PURPOSE TENT SYSTEM (HGPTS)

CELINA's 16' x 16' HGPTS is a non-tactical shelter designed to offer an economical solution for humanitarian aid in the event of a natural disaster or conflict worldwide. The shelter is water, ultraviolet, fungus, mildew, and flame resistant. This is a 100% Berry Amendment compliant shelter with a one year commercial warranty.

Features

- General purpose shelter
- Galvanized steel support system
- Tube and fastener construction for easy assembly
- Packed out for maximum optimization
- Set-up/strike time: 4 people/30 minutes

Intended Uses

Specifications

- Resists wind speeds up to 55 mph with gusts up to 65 mph
- Withstands 10 psf of snow load
- Rain load of 4" per hour
- Water resistant, flame retardant fabric
- NSN: 8340-01-535-6379 (desert tan)
- Designed to meet or exceed US Military performance specifications

HUMANITARIAN GENERAL PURPOSE TENT SYSTEM (HGPTS)

Framework:

The HGPTS is created to be a multi-use, completely enclosed structure. Through an internal framework secured by cross bracing, each shelter can be quickly assembled by a team of 4 in as little as 30 minutes. All tension straps are adjustable from within the shelter and don't require additional tools for adjustment. This frame system uses 10 gauge, 1.660"(1 1/4" NPS) diameter fittings and 16 gauge, 1.875" diameter steel tubing, providing the frame's strength and, through the standard sizing, allows for easy replacement. For installation sites where consistent terrain is scarce, base plates can be adjusted to level the shelter.

Fabric:

HGPTS doors meet the minimum opening requirements of the DOD (4.5'W x 6.25'H), accommodating individuals wearing backpacks. Doors are not temper vestibule compatible. Shelter walls are equipped with mesh windows for increased air flow in addition to a peak vent which can be opened and closed from ground level. Additional in-field repair kits to mend shelter fabric are also available.

Classroom shelter - Iraq

Typhoon Yutu response

Typhoon Yutu response

Typhoon Yutu response

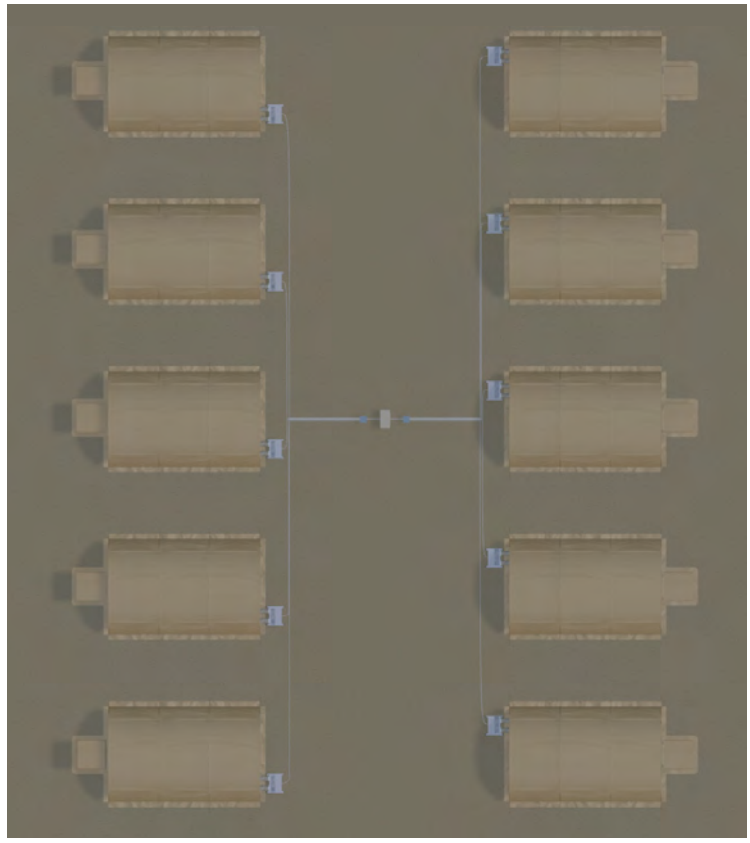
COVID-19 response - USA

HGPTS with camouflage green fabric

SHELTER COMPLEXING

CELINA has years of experience researching and implementing the best methods to connect shelters together into complete, or "complexed" units.

- Unique sealing process enables combining environmental conditioning (heating/cooling) between multiple shelters, maintaining energy efficiency, and expediting travel between shelter units without exposing personnel to the elements.
- Boot walling systems allow the connection of new shelters with existing or specialized structures.
- Complexing expertise may be applied to ensure safe environments for medical and CBRN/ColPro applications.



UNIVERSAL VESTIBULE

SKU: C2806X06X07V-T

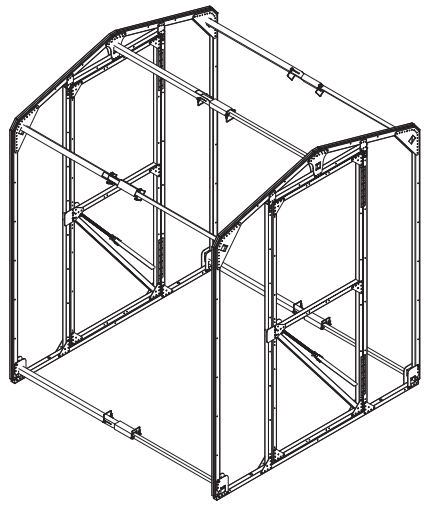
CELINA's universal vestibules are added to the entrances of the shelter to provide additional protection from the elements, as well as to improve the functionality of the shelter. The vestibule serves as an entryway that helps to regulate the airflow and temperature inside the shelter, while also providing a buffer zone for security purposes. The vestibules unique accordion style frame design sets up with the simple install of 5 purlins with the fabric already attached (excluding boot adapter). With a setup time of two minutes or less and a variety of available adapters, the vestibule can connect to any shelter, including TEMPER.

Features

- Universal to fit a variety of shelters
- Keder track boot adapter
- Free standing, no cables required
- Collapsible for ease of packout and storage
- Light/dark control for sleep schedules
- Improved interior climate control
- Magnetic door latch with large webbing loop handle
- Made in the USA by CELINA

Specifications

- 6' x 6' x 7' Tall
- Aluminum frame construction
- Reversible desert tan-camouflage green fabric
- Two semi-hard doors
- Hook and loop floor
- Mil-Spec TEMPER compatible option
- 20 psf snow load



CELINA™ DUCTING

Spiral and lay-flat ducting from CELINA is crafted to meet customer needs; each piece can be modified to incorporate various types of materials and end connections in addition to choosing the manufactured width and length.

Stock sizes and options

- 16″ Diameter
- 6″ Pitch
- 1″ Wear strip
- 0.135″ Diameter wire
- Screw clamp cuff

Standard Mil-Spec ducts available

Materials

Optional materials for duct fabrication.

- MILPRF-20696
- MILPRF-44103
- MSHA Yellow (2 weights)
- CBRNE-approved fabrics

Materials used to create ducting are held to the same flame resistance specifications that are required of fabric structures used by or around individuals.

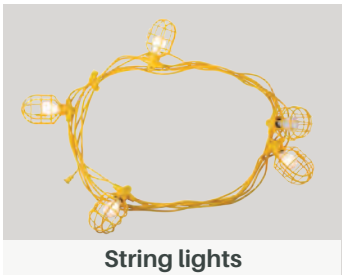
Insulated ducting is also available. We offer industry-standard batting insulation to provide the ducts with advanced environmental control abilities. Insulated ducting is ideal for ECU systems, as it resists external environmental interference.

Most materials are block-out fabrics, which don't allow errant light to escape the ducts or structures. The degree of light suppression is high enough to prevent detection even when night vision goggles are used.

SHELTER ENHANCEMENTS

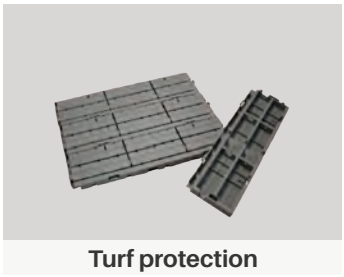
CELINA's structures are created to provide levels of protection from the elements, with optional extras to provide comfort during use.

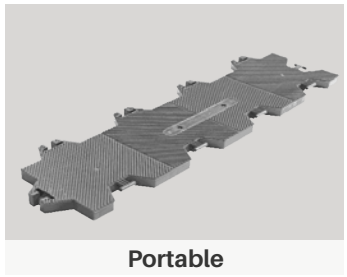
- Wind bracing
- Metal roll up doors
- Shipping container options
- On-site training and support
- Additional bays
- Anchor systems
- Solar shade/thermal flies
- Interior insulation kits
- Shelter erection/installation kits
- Ballistic protection
- Thermal efficiencies
- Speciality treated fabrics


String lights


LED luminaries


LED high bay light


Turf protection


Portable


Insulated portable hard


Small power distribution

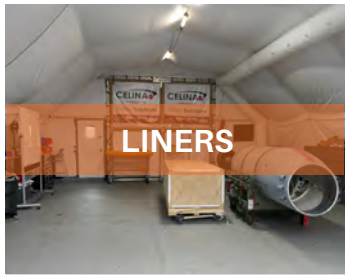

LAMS power distribution


Dome power distribution

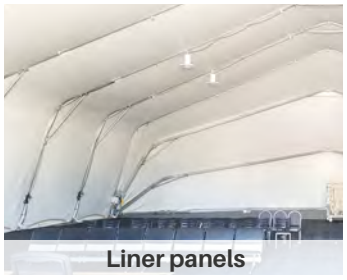

Skid mounted ventilator


Skid mounted ECU


BEAR 130k shelter heater




Internal liner


Liner panels


Radiant barrier


Soft door


Frame door with fabric


Hard door

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METAL ROLL-UP DOORS

CELINA's Metal Roll-Up Doors, available in versatile widths and heights of 12', 15', and 18', offer both chain and electric opening options. Engineered for durability and strength, these sturdy doors ensure reliable security and convenient access, perfectly tailored to meet the demands of military operations.

Metal Roll-Up Doors		
Part Number	**Dimensions**	**Opening Type**
30627	12'	Chain operated
30638	12'	Electric motor operated
30624	15'	Chain operated
30639	15'	Electric motor operated
30626	18'	Chain operated
30640	18'	Electric motor operated

PILLOW BLADDERS

CELINA's Pillow Bladder storage tanks hold 5,000 up to 210,000 US gallons for a safe, reliable, water source. Ideal for rapid deployment in all weather conditions, the pillow bladder is flexible, collapsible, and highly mobile. Available for military and commercial use, the heavy-duty fabric provides a low maintenance solution for temporary water supply in the most remote locations.

Features

- 12-year shelf life
- Easy to deploy
- Collapsible
- Highly mobile
- Low maintenance
- Carrying handles for easy transport
- Repair kit included
- Easy label for source or waste
- Lot traceability and quality assurance manufactured
- Made in the USA by CELINA

Intended Uses

- Military use
- Temporary and remote water supply storage including but not limited to potable, raw, brine, and waste water
- Rapid deployment
- Disaster/emergency response
- Rain water harvesting
- Water recovery

Specifications

- 5K, 10K, 50K, and 210K storage capacity options
- 2" fill/discharge ports
- 2" ventilation valve
- High frequency welded seams
- Desert tan color
- NSF approved fabric designed to meet the requirements of NSF/ANSI Standard 61
- UV Resistant nylon fabric
- Operating temperates: -25° F (-31.6° C) to +125° F (+51.7° C)

SUPPORT EQUIPMENT

Total Package Approach

CELINA can assist customers in complete base camp design, layout, and support equipment supply in accordance with current US Military guidelines.

- In partnership of Highland Engineering Inc, CELINA offers "total package approach" solutions to meet the many needs US and Foreign Militaries may face when assembling a base camp.

- CELINA'S support equipment provides a full range of solutions, to include:
  - Kitchens
  - Refrigeration
  - Showers and sinks
  - Latrines
  - Laundry units
  - Water purification
  - Security
  - Working dog kennel systems


Joint Air-Transportable Containerized Kitchen (JACK)


Inside (JACK)


Inside (JACK)

1500 GPH Reverse Osmosis Water Purification Unit (ROWPU)

Expeditionary Airlift High Security Container System

Support Equipment by HEI	
1500 GPH Reverse Osmosis Water Purification Unit (ROWPU)	Joint Air-Transportable Containerized Kitchen (JACK)
Expeditionary Water Purification System (EWPS)	Expeditionary Airlift High Security Container System
Joint Expeditionary Air-Transportable Shower System (JETSS) 5 Head	Joint Air Transportable Containerized Latrine (JACL)
Joint Expeditionary Air-Transportable Shower System (JETSS) 10 Head	Rapid Air Transportable Laundry (RATL)
Portable Field Shower Set	Military Working Dog Deployable Kennel System (MWDKS)
Portable Field Shower Set with Sinks	Expeditionary Airlift Refrigeration Container System

EAC AIR TRANSPORTABLE PALLETS AND CONTAINERS

CELINA offers air transportable pallets and containers with numerous sizes including EAC 60, 70, 80, 90 and EEAC 90. Configurations:

- Standard
- Aisle
- Stock
- Open stock
- Stock/standard open
- Slant
- Aisle slant

View all configurations on CelinaMilitaryShelters.com

WORK DESKS/ALUMINUM TABLES

Aluminum tables are the premium line of folding tables offered by CELINA. Designed to be rugged enough for military use, yet versatile enough for use in banquet halls, hospitality and events centers, classrooms, and more. The tables are constructed from structural-grade aluminum to ensure that they do not rot, corrode, warp, or break. The all aluminum design is truly weatherproof and will not rust. CELINA aluminum tables are significantly lighter than conventional folding tables and are user-friendly!

Features

- All weather aluminum construction
- Surfaces can be easily sanitized
- Superior durability verses wood or resin tables
- Smooth round edges
- Easy to carry
- Fireproof
- Made in the USA by CELINA

Intended Uses

- Military use
- Banquet halls
- Classrooms
- Hospitality and events centers

Specifications

- Holds up to 3,800 lbs (1723.65 kg) of evenly distributed weight on specific models
- Color options: clear anodized, tan, and black
- Lengths: 5′, 6′, and 8′
- Widths: 18″, 24″, 30″, 36″, 42″, and 48″
- Standard height: 29.75″

Optional Add-Ons

- Push button adjustable leg heights from 24.75″ to 34.75″
- Custom color options

RED CROSS PANEL/HOSPITAL SHELTER MARKER

Exterior fly fabric printed with red cross markings to quickly identify the shelter for hospital use.

SECONDARY CONTAINMENT

Secondary containment is your first line of defense when a leak occurs. Able to hold various amounts of spillage depending upon the size used, these containment liners ensure that no harmful chemicals come into contact with sensitive equipment or infiltrate water runoff systems.

HAZARDOUS ENVIRONMENT PROTECTION

Modular ballistics panels are a highly mobile, reusable, lightweight, economic option for protecting soft wall shelters from blast fragmentation and small arms fire. By fortifying soft wall shelters with modular ballistic panels, soldiers can work, rest, and eat inside safely.

PROGRAM MANAGEMENT & SERVICE SUPPORT

PROGRAM MANAGEMENT

CELINA's expert project management team prides itself in successfully executing shelter related programs to support warfighter's requirements.

- Meeting organizational goals
- Meeting financial goals
- Risk management
- Schedule management
- Team development
- Quality assurance
- Communication
- Project(s) integration

SERVICE SUPPORT

CELINA offers the full-range of service support functions and expertise.

- Site survey and consultation
- Complete installation
- Preventative maintenance
- Inspection
- Repair
- Subject matter expert (SME) and/or technical representative on-site support
- Training
  - Pack-out
  - Inspection
  - Maintenance
  - Tear-down/strike
- Product demonstrations

CELINA's team is ready to go wherever the mission takes place!

- Worldwide deployable
- Base access privileges (CAC card holders)
- Experienced team working with DoD Services, Host Nation, and local contractors

MISSION CRITICAL CELINA SINCE 1996 ★USA★ SHELTER SOLUTIONS

KITTING, CONSOLIDATION, AND PACKOUT

Our Capabilities

- Mil-spec kitting
- Custom packaging development
- Shipment logistics
- Total supply chain management
- Operational flexibility
- Capability ranges from 10 components to 1,000s
- Barcoding and labeling meet Military (MIL-STD-129) and commercial specifications (ASTM-D-3951)
- Full EDI capabilities
- Quality inspection

SUPPORT
Detail oriented, experienced workforce provides flexible solutions to military and industrial kitting needs

CONTAINER LOGISTICS
12 acres to support container movement and consolidation

SURGE CAPACITY
Strategic use of space, equipment, and personnel in the event additional products are needed to support natural disasters and military contingency operations

Why Choose Us?

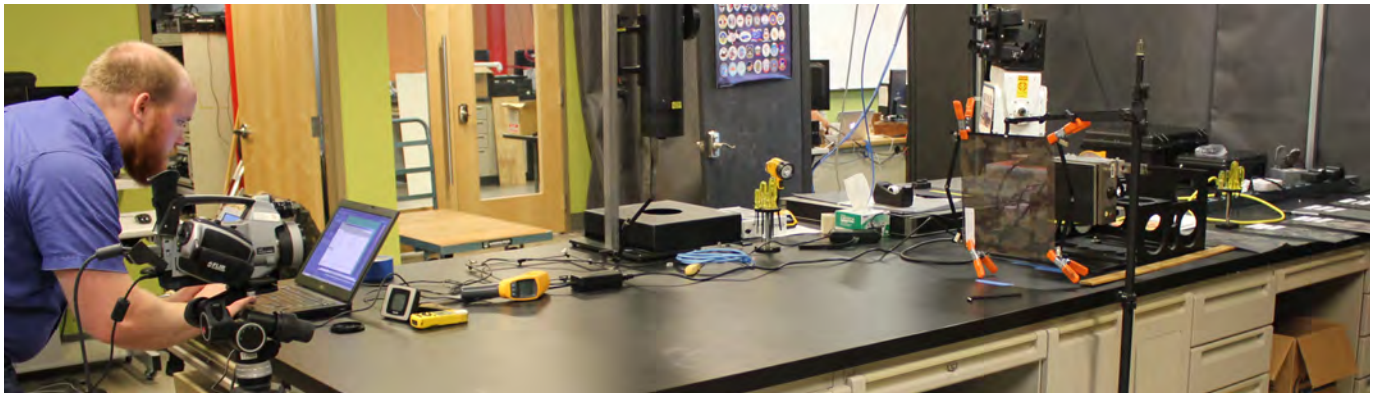
- Extensive experience in the assembly of large project kits
- Our vast supplier base allows us to gather the highest quality components
- Achieve air-tight inventory control
- Enables the management of multiple components under a master part number
- Variety of kit boxes or packaging choices
- Commitment to quality sets the standard in the industry
- Rigorous quality control/quality assurance analysis before leaving our facilities

Kitting Solutions

- Military deployments
- Disaster response and relief
- First aid and trauma
- Troop field support
- Humanitarian aid

CURRENT PROJECTS AND RESEARCH & DEVELOPMENT

CELINA's engineering department brings a diverse toolkit of expert knowledge, innovation, and problem-solving skills to overcome the toughest challenges.



COLPRO/CBRN

Collective Protection/Chemical, Biological, Radiological, Nuclear

CELINA has years of extensive experience in RDT&E and manufacture of thousands COLPRO shelter systems.

- Decontamination
- Full range of ducting
- Single skin and internal liner shelters
- Bondcote Bondbarrier
- High-density polyethylene applications

MSSM/EMI

Multi-Spectrum Signature Management/ Electromagnetic Interference

CELINA has partnered with a leading MSSM technology provider to create critical solutions to "hide in plain sight."

- Broad range spectrum "camouflage" and EMI protection
- CELINA offers a host of shelter and cover products with MSSM technology

Next Generation Family Of LAMS

CELINA is designing the next generation of LAMS.

- Lightweight and high reliability
- Air transportable and relocatable
- Extended widths and heights to accommodate a range of aircraft types

Solar Energy Utilization

CELINA's engineering team has devised unique applications of photovoltaic technologies in combination with shelter systems to maximize an integrated and user-friendly approach to harnessing solar power.

Energy Efficiency & Extreme Cold Weather Operations

CELINA, in collaboration with public research institutes, continues to explore a range of concern areas.

- Improved fabric performance at or below -65F
- Improved insulation efficiencies and methodologies
- Foundation integrity in permafrost and solid ice

SHELTERS IN USE AROUND THE WORLD

CELINA LAMS in Romania
MQ-9 Storage and Maintenance, US Air Forces Europe

CELINA LAMS in Greece
MQ-9 Storage and Maintenance, US Air Forces Europe

CELINA LAMS at Tyndall Air Force Base, Florida,
Vehicle Storage and Maintenance, US Air Force

CELINA LAMS in Lebanon, 2022, U.S. Army FMS Case
Lebanon, Vehicle Storage and Maintenance

CELINA LAMS at Fort Carson,
Fitness Training Facility, US Army

CELINA LAMS in Poland,
Abrahms Tank Maintenance, US Army

CELINA LAMS in Biedrusko, Poland,
Abrams Tank Training Facility

CELINA LAMS at Holloman Air Force Base, New Mexico,
Operational Readiness Training, US Air Force

CELINA Dynamic Medium Shelter at Cannon AFB,
Melrose AF Range, Vehicle Maintenance

CELINA Humanitarian Shelter in Colorado,
Public Works Department Encampment Project

CELINA Dynamic Small Shelter in Ukraine,
Medical Use Facility

CELINA LAMS at Fort Bragg,
Helicopter Maintenance, US Army

CELINA™ SHELTER COMPARISON GUIDE

		SMALL 16′-25′ 4.87 m-7.62 m				
MIL-SPEC SHELTERS	**UNIVERSAL VESTIBULE** 	**HGPTS** 	**DYNAMIC** 	**MULTI-PURPOSE AREA, Type II (BEAR KITCHEN)** 	**MULTI-PURPOSE AREA, Type I (BEAR KITCHEN)** 	**ACE** Adaptive Color and Environment Shelter 
SERIES SKU	C28	C14	C22	C27	C27	C29
NSN	Pending	8340-01-535-6379	Pending	5410-01-626-8713	5410-01-626-8712	Pending
DIMENSIONS	6′ x 6′ 1.83 m x 1.83 m	16′ x 16′ 4.88 m x 4.88 m	20′ x 32.5′ 6.10 m x 9.91 m	20′4″ x 80′ 6.20 m x 24.39 m	40′ x 80′ 12.2 m x 24.39 m	20' x 33′ 6.10 m x 10.05 m
SUPPORT SYSTEM	Frame	Frame	Frame	Frame	Frame	Frame
RIDGE (APEX) HEIGHT*	7′ 2.14 m	11′ 3.36 m	10′ 3.05 m	12′11″ 3.70 m	12′11″ 3.70 m	11′7″ 3.53 m
EAVE HEIGHT*	6′8″ 2.03 m	7′ 2.14 m	N/A	7′1″ 2.17 m	7′1″ 2.17 m	7′2″ 2.18 m
INTERIOR SQUARE FOOTAGE	36 ft^2 3.34 m^2	256 ft^2 23.8 m^2	640 ft^2 59.5 m^2	1,600 ft^2 148.7 m^2	3,200 ft^2 297.3 m^2	606 ft^2 56.3 m^2
TOTAL WEIGHT UNPACKED	205 lbs 92.99 kg	570 lbs 258.6 kg	1,200 lbs 544.4 kg	11,000 lbs 4,989.6 kg	24,000 lbs 10,886.3 kg	1,400 lbs 635 kg
SET UP TIME/NUMBER OF PERSONS	2 People 10 minutes (Under canopy 1 Person 2 minutes or less)	4 People 30 minutes	4 People 30 minutes	6 People 7 hours	6 People 12 hours	6 people 40 minutes
SNOW LOAD**	20 psf 97.65 kg/m	10 psf 48.82 kg/m^2	20 psf 97.65 kg/m^2	10 psf 48.82 kg/m^2	10 psf 48.82 kg/m^2	20 psf 97.65 kg/m^2
WIND LOAD**	90 mph 144.9 kph	55 mph 88.6 kph	90 mph 144.9 kph	90 mph 144.9 kph	90 mph 144.9 kph	90 mph 144.9 kph
RAIN LOAD	2″/5.08 cm per hour with 55 mph/88.51 kph winds	4″/10.16 cm per hour	4″/10.16 cm per hour with 40 mph/64.38 kph winds	4″/10.16 cm per hour with 40 mph/64.38 kph winds	4″/10.16 cm per hour with 40 mph/64.38 kph winds	2″/5.08 cm per hour with 55 mph/88.51 kph winds

CELINA offers a range of shelter accessories including standard thermal flies, vestibules, corridors, a variety of doors, lighting, flooring, generators, and ECU's . Most shelters can be constructed at any length by adding/removing bays.
* Increased ridge and eave height options available on some models. **Increased snow and wind load options available on some models.



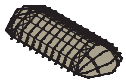


SHELTER COMPARISON GUIDE

	MEDIUM 25′-50′ 7.62 m-15.24 m	LARGE 50′+ 15.24 m +			
MIL-SPEC SHELTERS	**DYNAMIC**	**PROSPAN FABRIC STRUCTURES (E SERIES)**			
					
SERIES SKU	C26	C31	C31	C31	C31
NSN	Pending	Pending	Pending	Pending	Pending
DIMENSIONS	30′ x 52′ 9.16 m x 15.85 m	32′9″ x 49′3″ 10 m x 15 m	49′ 3″ x 131′3″ 15 m x 40 m	65′7″ x 131′3″ 20 m x 40 m	82′0″ x 131′3″ 25 m x 40 m
SUPPORT SYSTEM	Frame	Frame	Frame	Frame	Frame
RIDGE (APEX) HEIGHT*	15′ 4.58 m	19′4″ 5.9 m	25′ 7.63 m	27′9″ 8.45 m	30′6″ 9.30 m
EAVE HEIGHT*	N/A	13′9″ 4.20 m	17′1″ 5.20 m	17′1″ 5.20 m	17′1″ 5.20 m
INTERIOR SQUARE FOOTAGE	1,500 ft^2 139.4 m^2	1,615 ft^2 150 m^2	6,458.35 ft^2 600 m^2	8,611.13 ft^2 800 m^2	10,763.91 ft^2 1,000 m^2
TOTAL WEIGHT UNPACKED	3,460 lbs 1,569.5 kg	~13,933.21 lbs ~6,320 kg	~23,809.93 lbs ~10,800 kg	~31,746.57 lbs ~14,400 kg	~39,683.21 lbs ~18,000 kg
SET UP TIME/NUMBER OF PERSONS	6 People 3 hours	Max 9 Persons 216 man hours or less	Max 6 Persons 192 man hours or less	Max 8 Persons 320 man hours or less	Max 8 Persons 384 man hours or less
SNOW LOAD**	10 psf 48.82 kg/m^2	Floor 30.7 psf 150 kg/m^2 Roof 24.6 psf 120 kg/m^2	Floor 21.5 psf 105 kg/m^2 Roof 17.2 psf 84 kg/m^2	Floor 21.5 psf 105 kg/m^2 Roof 17.2 psf 84 kg/m^2	Floor 21.5 psf 105 kg/m^2 Roof 17.2 psf 84 kg/m^2
WIND LOAD**	90 mph 144.9 kph	Standards according to DIN EN 13782	Standards according to DIN EN 13782	Standards according to DIN EN 13782	Standards according to DIN EN 13782
RAIN LOAD	4″/10.16 cm per hour with 40 mph/64.38 kph winds	Meets European Standards	Meets European Standards	Meets European Standards	Meets European Standards

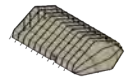
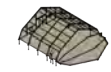




	LARGE 50'+ 15.24 m +				
MIL-SPEC SHELTERS	**MLAMS (MODULAR)**			**CTO LAMS (CONFIGURE TO ORDER)**	
	A (AVIATION)	**V (VEHICLE)**	**S (STORAGE)**	**CTO (STORAGE)**	**CTO (VEHICLE)**
					
SERIES SKU	C23	C23	C23	C23	C23
NSN	8340-01-707-9507	8340-01-808-9546	Pending	Pending	Pending
DIMENSIONS	75' x 195' 22.89 m x 59.44 m	75' x 132' 22.89 m x 40.24 m	52' x 63' 15.85 m x 19.20 m	52' x 50' 15.85 m x 15.24 m	75' x122' 22.89 m x 37.19 m
SUPPORT SYSTEM	Frame	Frame	Frame	Frame	Frame
RIDGE (APEX) HEIGHT*	31' 9.45 m	31'/33'* 9.45 m /10.06 m*	25'5" 7.78 m	25'5" 7.78 m	31' 9.45 m
EAVE HEIGHT*	16' 4.88 m	16'/18'* 4.88 m /5.49 m*	16' 4.88 m	16' 4.88 m	16' 4.88 m
INTERIOR SQUARE FOOTAGE	13,092 ft^2 12,16.3 m^2	8,447 ft^2 784.8 m^2	3,276 ft^2 304.4 m^2	2,600 ft^2 241.6 m^2	8,500 ft^2 789.7 m^2
TOTAL WEIGHT UNPACKED	28,000 lbs 12,700.6 kg	20,265 lbs 9,192.1 kg	11,535 lbs 5232.2 kg	10,285 lbs 4,665.2 kg	20,000 lbs 9,071.8 kg
SET UP TIME/NUMBER OF PERSONS	Max 8 Persons 576 man hours or less	Max 8 Persons 384 man hours or less	Max 8 Persons 192 man hours or less	Max 8 Persons 192 man hours or less	Max 8 Persons 384 man hours or less
SNOW LOAD**	8 psf 39.06 kg/m^2 without snow struts	8 psf 39.06 kg/m^2 without snow struts	8 psf 39.06 kg/m^2 without snow struts	8 psf 39.06 kg/m^2 without snow struts	8 psf 39.06 kg/m^2 without snow struts
WIND LOAD**	90-115 mph 144.9-185.1 kph	90-115 mph/ 144.9-185.1 kph** 135 mph/ 217.3 kph**	90-115 mph 144.9-185.1 kph	90-115 mph 144.9-185.1 kph	90-115 mph 144.9-185.1 kph
RAIN LOAD	4"/10.16 cm per hour with 40 mph/64.38 kph winds	4"/10.16 cm per hour with 40 mph/64.38 kph winds	4"/10.16 cm per hour with 40 mph/64.38 kph winds	4"/10.16 cm per hour with 40 mph/64.38 kph winds	4"/10.16 cm per hour with 40 mph/64.38 kph winds





	LARGE 50′+ 15.24 m +			
MIL-SPEC SHELTERS	**UAV LAMS (UNMANNED AERIAL VEHICLE)**		**DOME**	
			4K	**8K**
				
SERIES SKU	C23	C23	C30	C30
NSN	Pending	Pending	5410-01-455-2004	5410-01-494-5130
DIMENSIONS	83′ x 142′ 25.30 m x 43.29 m	83′ x 164′ 25.3 m x 49.99 m	69′5″ x 89′3″ 21.19 m x 27.22 m	69′5″ x 116′3″ 21.19 m x 35.45 m
SUPPORT SYSTEM	Frame	Frame	Frame	Frame
RIDGE (APEX) HEIGHT*	27′9″ 8.52 m	27′9″ 8.52 m	25′ 7.62 m	25′ 7.62 m
EAVE HEIGHT*	10′ 3.05 m	10′ 3.05 m	11′ 3.36 m	11′ 3.36 m
INTERIOR SQUARE FOOTAGE	11,010 ft^2 10,22.9 m^2	12,055 ft^2 1,120 m^2	5,300 ft^2 492.4 m^2	8,000 ft^2 743.3 m^2
TOTAL WEIGHT UNPACKED	25,000 lbs 11,339.9 kg	26,000 lbs 11,793.5 kg	21,220 lbs 9,625.2 kg	28,210 lbs 12,795.8 kg
SET UP TIME/NUMBER OF PERSONS	Max 8 Persons 576 man hours or less	Max 8 Persons 576 man hours or less	Max 6 Persons 144 man hours or less	Max 8 Persons 256 man hours or less
SNOW LOAD**	15 psf 73.24 kg/m^2 with snow load cables	15 psf 73.24 kg/m^2 with snow load cables	20 psf 97.65 kg/m^2	20 psf 97.65 kg/m^2
WIND LOAD**	90-115 mph 144.9-185.1 kph	90-115 mph 144.9-185.1 kph	105 mph 168.9 kph	105 mph 169 kph
RAIN LOAD	4″/10.16 cm per hour with 40 mph/64.38 kph winds	4″/10.16 cm per hour with 40 mph/64.38 kph winds	4″/10.16 cm per hour with 40 mph/64.38 kph winds	4″/10.16 cm per hour with 40 mph/64.38 kph winds

SHIPPING CONTAINER OPTIONS	**20′**	**40′**	**BICON**	**TRICON**	**QUADCON**	**463L**
						

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