

Eureka!

RDS™

RAPID DEPLOYABLE SYSTEM



Mission Ready in Under 14 Minutes!

The RDS is a rapidly deployable shelter system proven to be one of the fastest and most reliable systems on the market today. Made to meet any mission requirement, this patented truss-style frame system is stronger and more durable than standard "scissor" style frames, and can withstand 300 lbs. hanging load at any point on the frame! When it comes to force protection at remote base operations — worldwide — in any operating environment, the RDS is clearly the most durable, versatile shelter system.

★ **ALWAYS READY** ★



FAST & EASY SET UP

Fast Set Up

- Set up with 4-5 people and mission ready in under 14 minutes
- Perfect for first responders, medical and surgical suites, Command Post, logistics, Tactical Operations Center (TOC), billeting, food service and other remote base operations

Easy Installation

- Patented frame system provides easy installation with no overhead lifting
- Unique U-shaped plenum design for ease of rotating to opposite side ECU ports
- No additional equipment needed for set up or take down – no loose parts

Proven Durability

- No extra snow load or wind kits needed
- Truss style frame creates a rugged, durable system
- Tested and passed rigorous testing for all MIL-SPEC environmental and durability requirements. Meets or exceeds all US Military requirements.

Versatile By Design

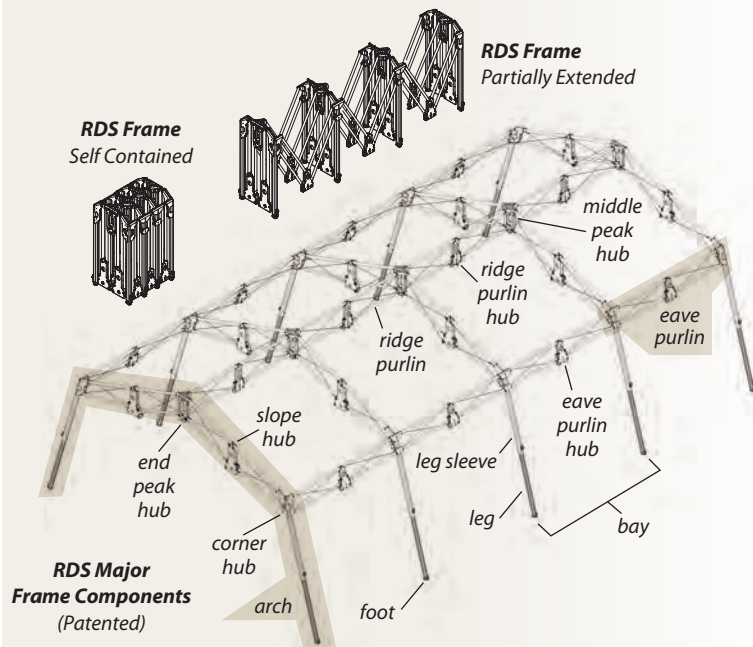
- Comes standard with TEMPER vestibule adapter on doors to connect to existing shelters, and optional stove pipe vents
- All RDS shelters can be easily networked together via RDS connectors (complete with connecting floor, liner and plenum extension)

FEATURES

- Mission-ready in just minutes for Command Post, Logistics, operations center, first responders, medical and surgical suites, billeting, food service and other remote base operations
- Detachable end walls allow all models to complex together
- Comes standard with TEMPER vestibule adapter allowing easy complexing with MIL-SPEC shelters
- Fully integrated floor, liner and HVAC plenum
- The RDS shelter are available with lighting, HVAC, flooring and power distribution systems for a range of capabilities
- Stove pipe vents optional on all models

FRAME

- Truss style frame creates a rugged, durable system
- Overhead lift not required
- Synchronized gear system — based on a Hoberman invention — for fast, easy set up
- Rapid set up with simple locking pin design
- Operationally ready after 82 sets and strikes



SKIN

- PVC laminated, high tenacity polyester fabric that meets all performance requirements for MIL-PRF 44103 for strength, black out, weather resistance and durability in any operating environment
- Radio Frequency welding technique forms a stronger, waterproof seal on the tent body
- Unique U-shaped plenum design for ease of rotating to opposite side ECU ports
- Replaceable windows
- Doors all complete with zippered entry for ease of use
- All doors equipped with standard TEMPER vestibule adapters
- Comes standard in O.D. Green or Desert Tan

TRUSS-STYLE FRAME SYSTEM

Structural Efficiency

Prior to the RDS, all other fast set up structures relied upon "scissor system" designs. The two key design advantages of the RDS versus scissor systems are:

1. The Creation of a Structural Truss

The advantage of the structural truss is a static load strength to pass 10 pounds per square foot snow loads without additional braces that increase set up time and expense.

2. Fewer Moving Parts/Locking Pin Locations

The advantage of fewer moving parts/locking pin locations is less failure modes and greater system reliability.

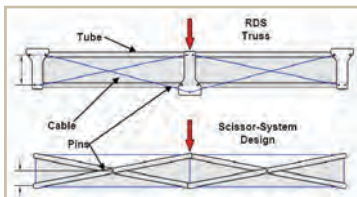
When the RDS is deployed, it forms a structural truss. Each section has a four-sided structure of compressive members with two diagonal tension cables. Upon deployment, the cables are tensioned, becoming the major load bearing element.

Other quick erect tents do not use the structural trusses.

Tubes in the scissor system design have pins in each end and at the mid-span — and become the major load bearing element. In addition, the hole at the mid-span is located at the point where the tube has the greatest bending stress during deployment and the greatest opportunity for failure.

RDS SPECIFICATIONS

Another key benefit of the RDS is shelter sizing. Scissor systems are constrained by width. The greater the width, the higher the loads on the pins. This constraint is better managed with the RDS. This provides the field commander greater flexibility in space utilization.



The RDS design also allows for high point loading at the hubs. These hubs are structural members that efficiently transfer the point loads from fabric or from hanging equipment to the truss system.

DRY, TOUGH, FAST BY DESIGN

The RDS has passed rigorous testing for all MIL-SPEC environmental and durability requirements. Each RDS meets or exceeds all US Military requirements.

And, the RDS meets the following performance requirements:

- Snow Load: 10 lbs. (4.54kg) per square foot (without additional kit)
- Wind / Rain: Sustained winds of 55/65 mph gust (88.51 km/h / 104.61 km/h); 2" (50.8mm) per hour (without wind/guy lines)
- Durability: Completed 82 sets & strikes, well beyond the US Military requirement of 50 (and remained operational for more)

The RDS requires NO SPECIAL KITS for snow, wind or rain load.

SIZES

- RDS-100 — 12' 6" x 8' (95 sq. ft. usable area)
- RDS-150 — 17' x 10' (145 sq. ft. usable area)
- RDS-250 — 17' x 16' (240 sq. ft. usable area)
- RDS-320 — 20' x 16' (285 sq. ft. usable area)
- RDS-460 — 23' 6" x 19' 9" (422 sq. ft. usable area)
- RDS-480 — 20' x 24' (458 sq. ft. usable area)
- RDS 635 — 20' x 31' 9" (612 sq. ft. usable area)
- RDS-695 — 23' 6" x 29' 9" (667 sq. ft. usable area)
- RDS-720 — 24' 6" x 29' 9" (675 sq. ft. usable area)

300 LB. POINT LOAD... ANYWHERE!

Due to the advanced structural design of the RDS roof trusses, it is exceedingly strong and capable of supporting significant point loads. Many objects that previously took up valuable floor space may now be suspended from the extremely rigid and stable roof allowing for more flexible usage of the shelter.



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RDS FAST FACTS

Superior Tactical Development

The RDS withstands impact of weighted items stored on top of it, when in its packed state. It has a self-contained frame system, which enables the user to reduce embarkation equipment and storage containers. No structural support is required during transportation, enhancing the speed of operational readiness. In addition, the Eureka! RDS is able to store and stage on tactical vehicles such as the Amtrak, 7 Ton Trucks, Helicopters, Humvees, existing trailers, and many other transport vehicles used by the Armed Forces.

Fast, Easy Versatile and Durable... Beyond Compare!

The RDS is designed to exacting standards. During tests, it was dropped in location and rolled in place, then set up by a 4-person team without any damage. In fact, units reduced the number of personnel required to erect the tent, reduce the footprint of the convoys due to the pack out state of the frame and consistently be under canopy in under 14 minutes.

Well-Designed Structure

Each RDS configuration was designed for maximum expeditionary effectiveness. With unprecedented in-the-field reliability, the RDS is becoming the most requested shelter for expeditionary forces and disaster relief around the world.



**YOUR ONE SOURCE FOR
EXPEDITIONARY NEEDS.**

★ ALWAYS READY ★

WARRANTY

Eureka! warrants that the RDS tent is free from defects in material and workmanship for *three years* from the in-service date except as qualified below:

- Not responsible for normal wear and tear
- Defect caused by accident, abuse, alteration, misuse or improper care
- Not liable for incidental or consequential damages

If, after inspection, we find that a product failed due to a manufacturing or material defect, we will repair or replace the product, at our option, without charge.



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THE SPIRIT OF ADVENTURE

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