



S.A.F.E. Structure Designs completes United States Army contract to manufacture S-280 C/G tactical shelters that are transportable by helicopters with 8,500 lb. or more hook capacity.

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S.A.F.E. Structure Designs completes United States Army contract to manufacture S-280 C/G tactical shelters that are transportable by helicopters with 8,500 lb. or more hook capacity. The shelters were delivered to Tobyhanna Army Depot in PA where they successfully went through inspection and testing.

The S-280 C/G Shelter is a versatile and durable tactical shelter designed to function in extreme climates while under the most demanding field conditions. Lightweight, high strength, insulated and all weather, the S-280 shelter typically houses communications and other transportable electronic equipment.

The S-280 shelter is of foam-and-beam sandwich panels which consist of a polyurethane foam core, single sheet aluminum skins and a framework of high strength aluminum alloy extrusions. Structural strength is assured by orientation of the floor and roof beams in transverse direction. This "barrel hoop" construction provides the ability to withstand drop tests and high roof loads. Foam and beam panel construction provides high strength to weight ratios and facilitates ease of modification, repair, and maintenance. Thick inner and outer floor skins provide strength to withstand equipment and personnel. The Shelter corners are reinforced to accept 14,000 lb rated lifting hooks and to withstand side load imposed by high wind velocities while being transport via helicopter out onto the mission field.

The original S-280 shelter was reviewed under the U.S. Army Product Improvement Program. As a result of this review and the DoD standardization of shelter programs, the current S-280 C/G Shelter was developed and reflects valuable construction changes and nomenclature model redesignation. The result is an improved, tested, standard shelter.

The S-280 can be transported via Helicopters with 8,500 lb. or more hook capacity, C-130, C-141, C-5A, B-747, C-17 (with adapter air cargo pallets), 5-Ton Tactical Trucks, M832 Dolly Set or HSMWS (use sling chains), Rail, and Ship

S.A.F.E. Structure Designs is a global leader in ergonomic safety-first support equipment for the aviation, marine, railroad, and heavy equipment. They are an ISO 9001:2015 company supporting both the civilian and military sector with design, engineering and manufacturing capabilities. Their core capability is providing an ergonomic form, fit & function through creative and customizable project solutions for just about any application involving land, air, sea or space. They have seven manufacturing facilities located in the USA, each with its own unique set of capabilities.

Video Link to S-280 Shelter: <https://youtu.be/4O4bbGnjIkE>