



Lightweight, High Strength, Versatility for Your Transportable Applications

The S-749 shelter provides optimum performance under the most demanding field conditions. Lightweight, high strength, insulated, all-weather, this mobile unit satisfies general purpose applications for housing communications and other transportable electronic equipment.

The S-749/G shelter is of the same proven foam and beam construction as Gichner's widely used S-280C unit. Panel construction is a bonded sandwich consisting of a polyurethane foam core, aluminum skins and a framework of high strength all 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

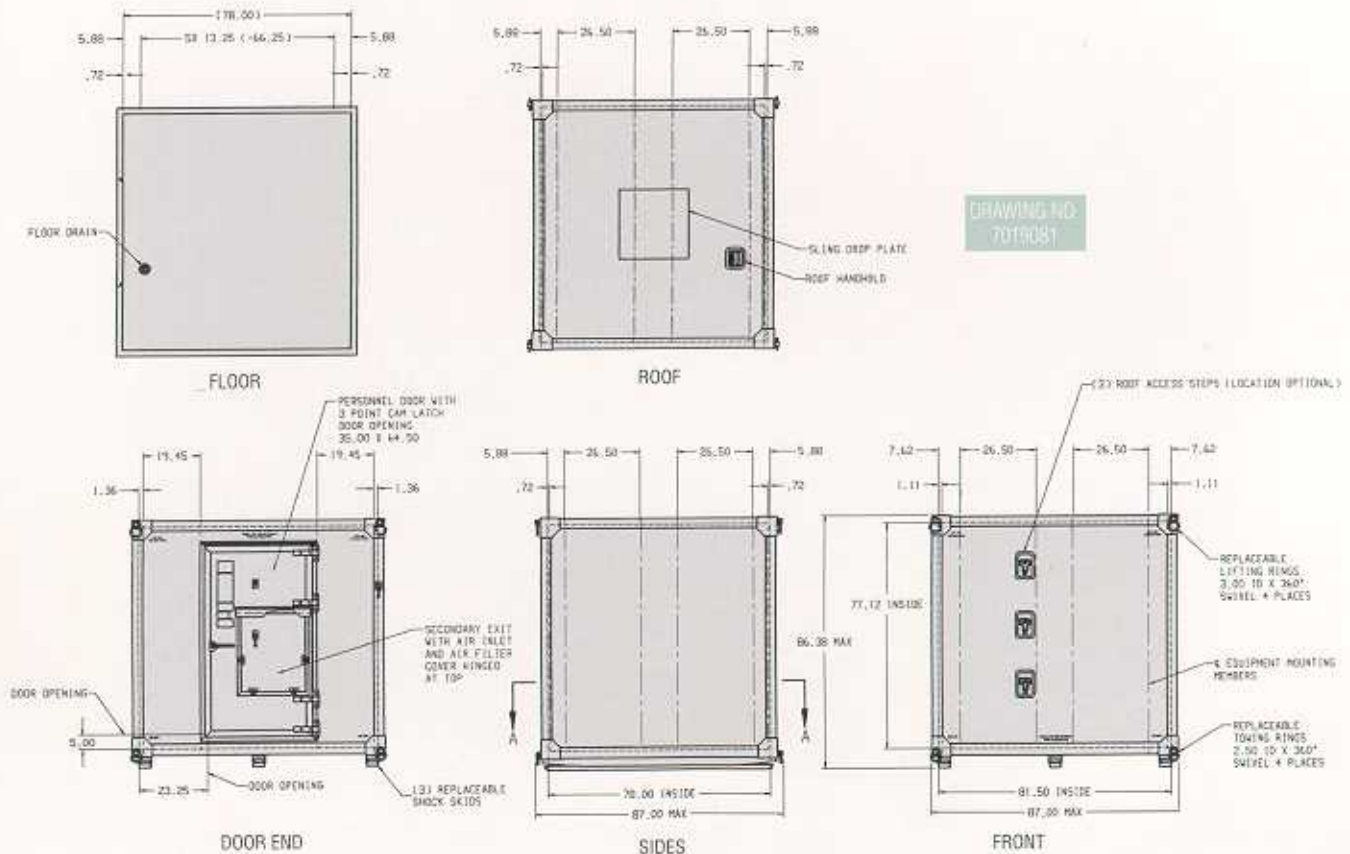


to withstand drop tests and high roof loads. Thick inner and outer floor skins (0.050 in.) lend added strength to withstand increased personnel or equipment traffic. Shelter corners are reinforced to accept leveling jacks and to withstand side loads imposed by high wind velocities.

The S-749 is considered a mid-sized shelter within the family of transportable shelters. Although intermediate in size, the S-749 provides the maximum headroom available, and accommodates personnel standing inside the unit.

When required, personnel gain a critical advantage - access to the transport vehicle from curbside. In fact, shelter length allows loading onto both standard 2 1/2-ton and 5-ton military trucks in the transverse orientation. The S-749 can be transported via military truck, helicopter, cargo aircraft such as the C-130, M720 and M832 mobilizers, and by rail and ship.

A Tradition of Quality



Performance Specifications:

Specification MIL-S-55286E

Weight: 1,050 lbs.

Payload: 3,500 lbs.

Roof Load: Snow & ice 40 lbs. per sq. ft.
 Personnel and equipment 660 lbs. over a 2 sq. ft. area.

Floor Load: 2,500 lbs. over 3 sq. ft. area without permanent deformation.

Member Loading: Wall, roof, and floor tensile load 2,000 lbs. followed by 100 inch-pounds torque load (5/16" - 18 inserts).

Temperature Extremes:

Operating: -65°F to +125°F plus solar load.
 Non-Operating: -80°F to +160°F.

Heat Transfer: U-factor 0.35 BTU/hr./sq. ft./°F.

RFI Shielding: With addition of RFI modification kit, attenuation of 60 dB minimum over 150 KHz to 10 GHz for electric and magnetic fields and plane waves measure IAW MIL-STD-285.

Watertightness: Tested to 21 inch fording depth and to simulated rainfall.

Lifting Eyes: Four (4) eyes with 3 in. inside clearance. 14,400 lbs. tensile load per corner in any direction.

Towing Eyes: Four (4) eyes with 2 in. inside clearance. 14,400 lbs. tensile load per corner in any direction.

Features:

- Skids: Three (3) full length replaceable shock absorbing type
- Roof Access Steps: Three (3) recessed folding steps in sidewall and one roof handhold

Options:

- RFI Modification Kit
- Combination lifting/tie down sling to facilitate handling
- Mobilizer adapter kit for shelter/ transporter interface