



Gichner's Field Proven Shelter Solution

Gichner's lightweight model GSS-1497B, electronic equipment shelter goes beyond the normal lightweight shelter construction technology. The GSS-1497B provides protection for sensitive electronic systems under extreme environmental conditions.

The GSS-1497B utilizes the same construction method applied in the combat-proven S-250 and S-280 shelters. Sandwich panel construction consists of a polyurethane foam core, aluminum skins, and a framework of high strength

welded and riveted aluminum alloy extrusions. This traditional foam-and-beam panel construction allows for quick, easy installation of strong rivnut anchor points for mounting mission equipment.

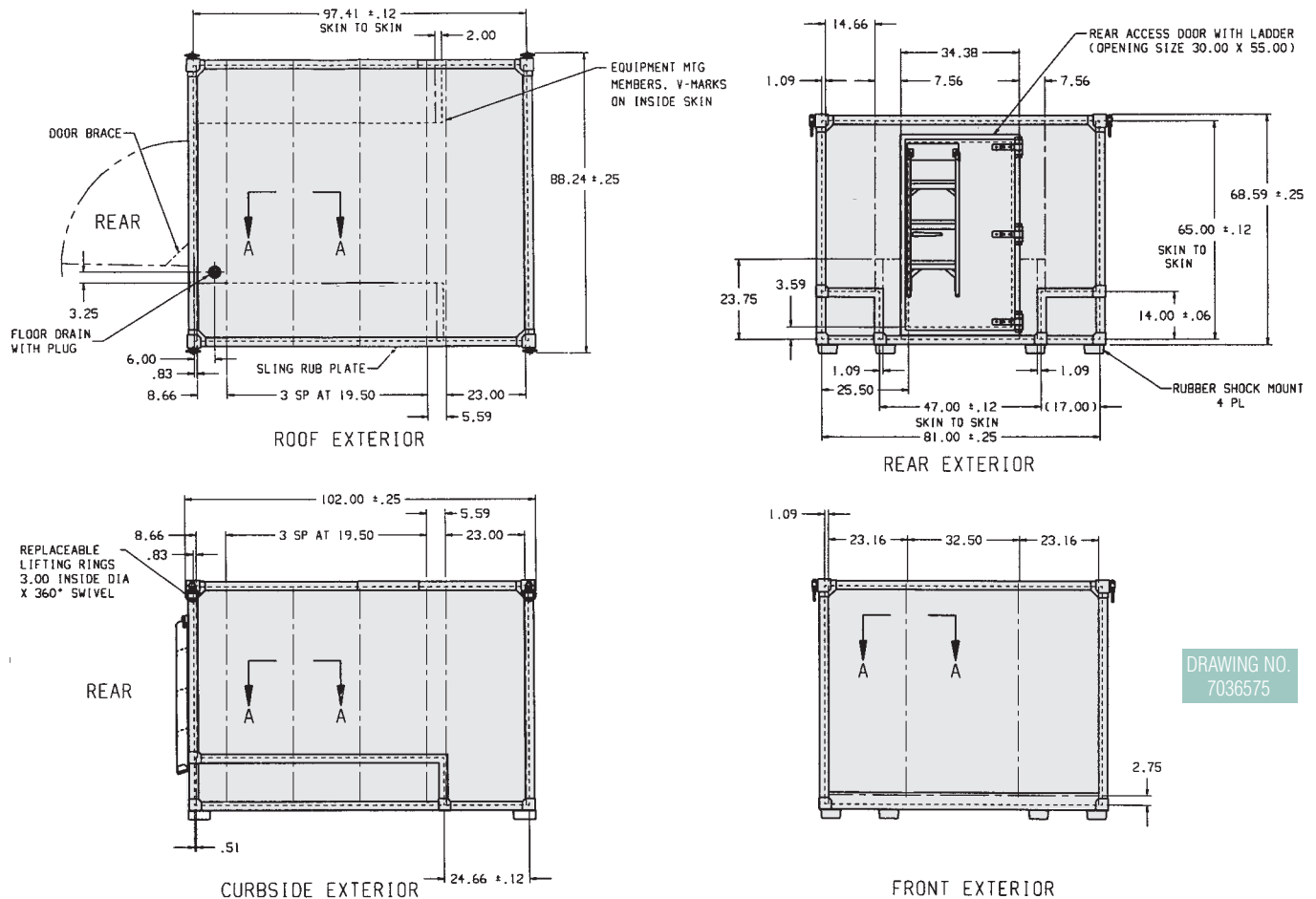


Foam-and beam construction facilitates ease of modification, repair and maintenance. At 632 lbs., the GSS-1497B's reduced weight increases the maximum payload and extends the range of the

HMMWV during tactical operations. Your specific mission requirements can be met by tailoring the GSS-1497 without violating the payload requirements of the HMMWV. Since the shelter was designed for dedicated use with the HMMWV, bulky tie-down slings are not required. The GSS-1497B is easily bolted onto the vehicle with a bolt-on attachment kit. C-130 drive-on/back-off capability meets your transportation needs.

A Tradition of Quality

GSS-1497B



DRAWING NO.
7036575

Performance Specifications:

Designed to meet the shelter performance specification defined in MIL-PRF-44408.

Weight: 632 lbs.

Payload: 3,300 lbs.

Roof Load: Snow & ice 40 lbs./sq. ft.
660 lbs. over a 2 sq. ft. area.

Floor Load: 1,000 lbs. over 2 sq. ft. area without permanent deformation.

Member Loading: Wall, roof and floor tensile load 1,000 lbs. followed by 100 inch-pounds torque load 5/16" - 18 UNC inserts.

Temperature Extremes:

Operating: -65°F to +125°F plus solar load.
Non-Operating: -70°F to +160°F.

Heat Transfer: U-factor 0.46 BTU/hr./sq. ft./°F.

RFI Shielding: In excess of 60 dB over 150 KHz to 10 GHz for electric and magnetic fields and plane waves measured 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.

Features:

- Access Ladder: Standard ladder with external mounting bracket
- Roof Access Steps: Two (2) recessed folding steps in sidewall and one roof handhold

Options:

- Generator Tunnel
- Roof Mounted Escape Hatch