



SHORTENED S-788

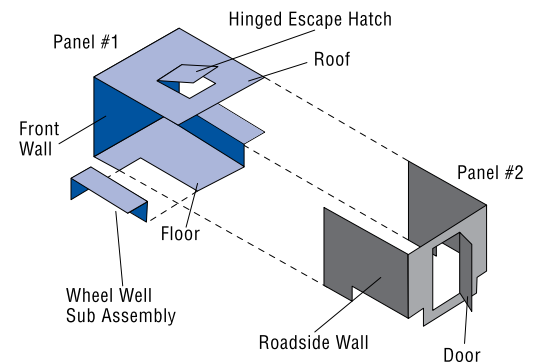


Shortened S-788 for the HMMWV

Gichner's Shortened S-788 Electrical Equipment Shelter is a light-weight, high-strength, rigid wall enclosure specifically designed for use on the up-armored HMMWV. This highly mobile RFI shielded shelter is ideal for housing and securing a multitude of electrical and communication systems while ensuring the demanding environment of off-road military operations.

Similar to the design of Gichner's Lightweight, Multipurpose Shelter (LMS), the Shortened S-788's ceiling, floor, and walls are constructed of aluminum bonded panels with insulated, honeycomb composite core. This rugged design allows the Shortened S-788 to weigh a mere 600 lbs while being capable of accepting payloads of up to 3,000 lbs. The shelter is equipped with four lifting eyes, a three-point cam latching personnel door with vent, roof egress, mounting kit and optional generator tunnel. The shelter's height is specifically designed to give the HMMWV mounted system C-130 drive-on/back-off capabilities.

Unlike the LMS, the Shortened S-788 does not overhang the rear of the HMMWV. This places the center of gravity towards the cab and eliminates the need and added weight of a pintle extension for towing, making the Shortened S-788 the ideal shelter solution for up-armored HMMWV systems.



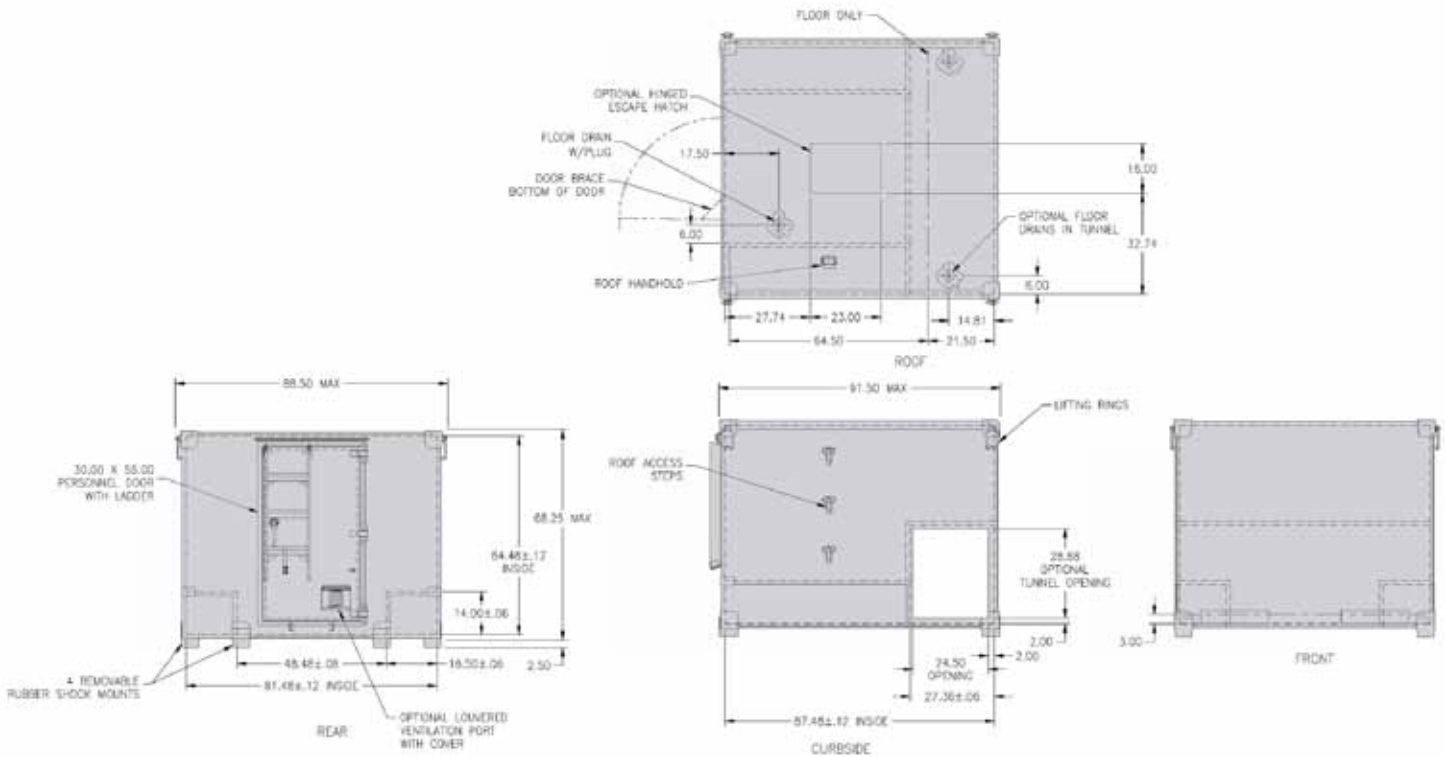
The Shortened LMS walls, roof and floor are formed from two honeycomb panels.



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SHORTENED S-788



Exterior Dimensions (in)			Interior Dimensions (in)			Shelter Weight	Payload (Lbs.)
H	W	L	H	W	L		
67	84	91-1/2	64-1/2	81-1/2	87-1/2	600	3,000

Performance Specifications:

Specification ASTM-PS-138

Roof Load: Snow and ice 40 lbs./sq. ft., personnel and equipment. 660 lbs. over a 2 sq. ft. area.

Floor Loads: Uniform - 65 lbs./sq. ft. Concentrated - 1000 lbs. over a 2 sq. ft. area. Point Load -125 lbs. over a 1 sq. in. area.

Insert Loading:

Insert Size	10-32	1/4-20 & up
Torque	8 ft. lbs.	10 ft. lbs.
Pullout	800 lbs.	1000 lbs.

Temperature Extremes:

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

Heat Transfer:

Type I .50 BTU/hr./sq. ft./°F.
Type II .56 BTU/hr./sq. ft./°F.
Type III .56 BTU/hr./sq. ft./°F.

RFI Shielding: Attenuation of 60 dB minimum over 150 KHz to 10 GHz for electric and magnetic fields and plane waves measure IAW ASTM-E-1925.

Watertightness: Tested to 30 inch fording depth (Type I only) and to simulated rainfall.

Lifting Eyes: Four (4) eyes with 3 in. inside clearance IAW MIL-STD-209.

Features:

- Roof Access Steps: Four (4) folding steps in sidewall and one roof handhold
- Access Ladder: Standard ladder with external mounting bracket
- HMMWW Mounting Kit
- 3-Point latching personnel door with vent
- Roof Egress

Options:

- 10 kW Generator
- Generator Tunnel, escape hatch and CB purge valve
- Modular Racking
- Hybrid (Shore/Gen/Daisy Chain) Power Entry Panel with Power Monitoring
- Power Distribution & LED lighting
- 18,500 or 26,000 BTU ECU Platforms
- Non-Skid flooring