



S-788 LMS

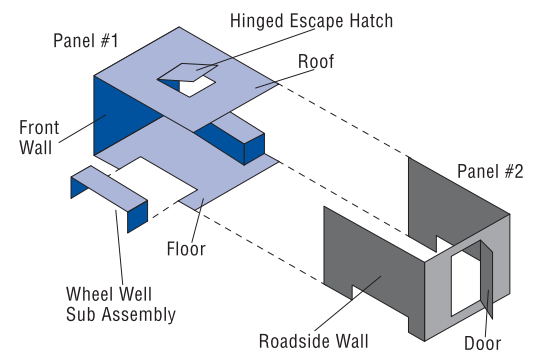


Lightweight, Multipurpose Shelter (LMS) for the HMMWV

The Lightweight, Multipurpose, Shelter (LMS) is a lightweight, high strength enclosure designed specifically for use on the HMMWV. Selected by the United States Army as its primary electronics platform for wheeled tactical vehicles, the S-788 LMS contains the latest advances in shelter design technology. The rugged design of the S-788 endures demanding off-road military operations while protecting on-board electronics from potential hazards. C-130 driveon/back-off capability meets your system transportability requirements.

Weighing only 608 lbs. (weight per ASTM-PS-138 Type I - with mounting kit add 88 lbs. with pintle extension, add 50 lbs.), the S-788 is capable of accepting payloads up to 3,330 lbs. This impressive strength-to-weight ratio is the result of innovative material engineering. Panel construction consists of aluminum faced, honeycomb - core, hot-bonded panels on the walls, roof, and floor. With nearly 295 cubic feet of useable interior space, 50% more than the S-250, the S-788 shelter is ideal for most C3I tactical missions.

The S-788 is available in three configurations to meet your specific mission requirements: Type I - Basic S-788; Type II - S-788 with generator tunnel and escape hatch; Type III - S-788 with generator tunnel only.

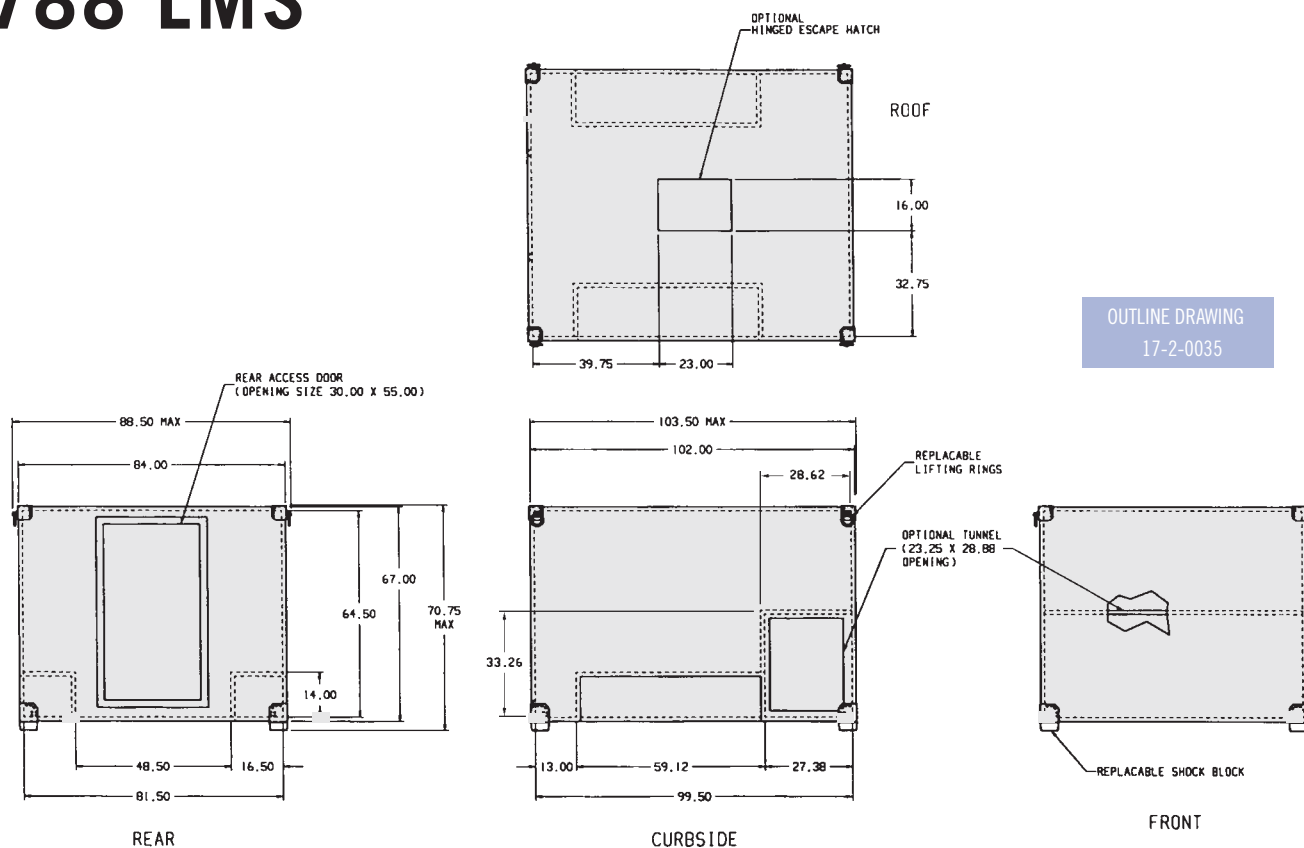


LMS walls, roof and floor are formed from two honeycomb panels.



A TRADITION OF QUALITY

S-788 LMS



OUTLINE DRAWING
17-2-0035

Model No.	Description	Exterior Dimensions (in)			Interior Dimensions (in)			Shelter Weight	Payload (Lbs.)
		H	W	L	H	W	L		
Type I	Basic	67	84	102	64-1/2	81-1/2	99-1/2	608	3,300
Type II	W / tunnel, hatch	67	84	102	64-1/2	81-1/2	99-1/2	650	3,300
Type III	W / tunnel	67	84	102	64-1/2	81-1/2	99-1/2	633	3,300

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
- HMMWV Mounting Kit
- Pintle Extension

Options:

- Generator Tunnel
- Generator Tunnel, escape hatch and CB purge valve



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