Ramim Engineering Works LTD

Military Portable Shelters

With over 40 years of experience as a leader in tactical shelter design and manufacture, Ramim is recognized world wide for it's efficient production of lightweight units. Today these rugged transportable shelters are used by every army around a world. Ramim Engineering Works Ltd. is a subsidiary of Koor Metals Group. Ramim is a division of Koor Metals and receives direct technical, financial and logistical support from this organization. The company utilizes U.S. and Israeli know-how to manufacture a specialized line of transportable prefabricated Communications Shelters, Mobile Tactical Shelters, Telecommunications Shelters, Mobile Laboratories, Collapsible Cabins, Refrigerated Container Trucks. The company manufactures Communication Shelters in accordance with various American Military Specifications.

Modification & Integration:
Ramim Engineering Works Ltd. can meet any Modification or Integration requirement from simple Entry Panel through Power Distribution, Lighting, Air Conditioning, Equipment Racks, Power and Signal Cabeling Racks and Onboard Power Generators. Ramims Communications Shelters and products incorporate any EMI, RFI protection and EMC compatibility requirements.

The following are Ramim's Shelters as per NATO standards: NATO-I, NATO-II, NATO-III, ACE-I, ACE-II, ACE-III
The following are Ramim's Shelters as per US Specifications: S-250/G, S-280C/G, S-1497, S-788, 20' ISO Shelters, 20' One-Sided or Two-Sided Expandable Shelters Various types of Shelters can be manufactured to order up to 50' long.

Areas of Deployment:
- Transmitting and Receiving Stations
- Air Defence Command Control Centers
- Mobile Military Command Centers
- Mobile Laboratories
- Mobile Workshops
- Radio and TV Link Stations
- Mobile Medical Units
- Air Traffic Control, ATC Centers
- Disaster Relief Coordination Centers
- Various mobile Housings and Enclosures for UAV & Missiles

Ramim's key Advantages:
- In house Design and Production
- Modularity
- Survivability
- Low life cycle cost
- Maximum space and maximum payload without sacrificing mobility
- Increased RFI integrity throughout the lifecycle of the Shelter
- Full Qualification to US Military Standards & NATO Standards

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Subject to technical modifications. E&OE.

Brochure No-2014-03

ISO 20'
SHELTER/CONTAINER
8x8x20 FT

RAMIM
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ISO 20'

ISO 20' - SHELTER/CONTAINER
8x8x20 ft

Ramim's basic shelter is 8 feet high, 8 feet wide and 20 feet long. For special requirements, the shelter is available in 10ft, 20ft, 30ft or 40ft lengths.

A composite foam and beam panel system is used to build the units. Panels are made of a bonded sandwich construction consisting of a polyurethane foam core, aluminum skins and framework of high-strength all-welded aluminum alloy extrusions.

The ISO corners and the end-band framework as well as the base of the shelter are made of high-tensile steel, these ISO corner fittings interlock with standard hardware for lifting, tying down and lashing units together from top-to-bottom and side-to-side.

Forklift trucks can move the units by using the heavy-duty pockets located within the skids on the two long sides of the shelter.

Jack mounting pads at each lower corner are incorporated as part of the basic unit. As an option, leveling/lifting jacks may be furnished. These jacks are used for lifting the shelter on/off the Van Mobilizer and for leveling the units on uneven terrain.

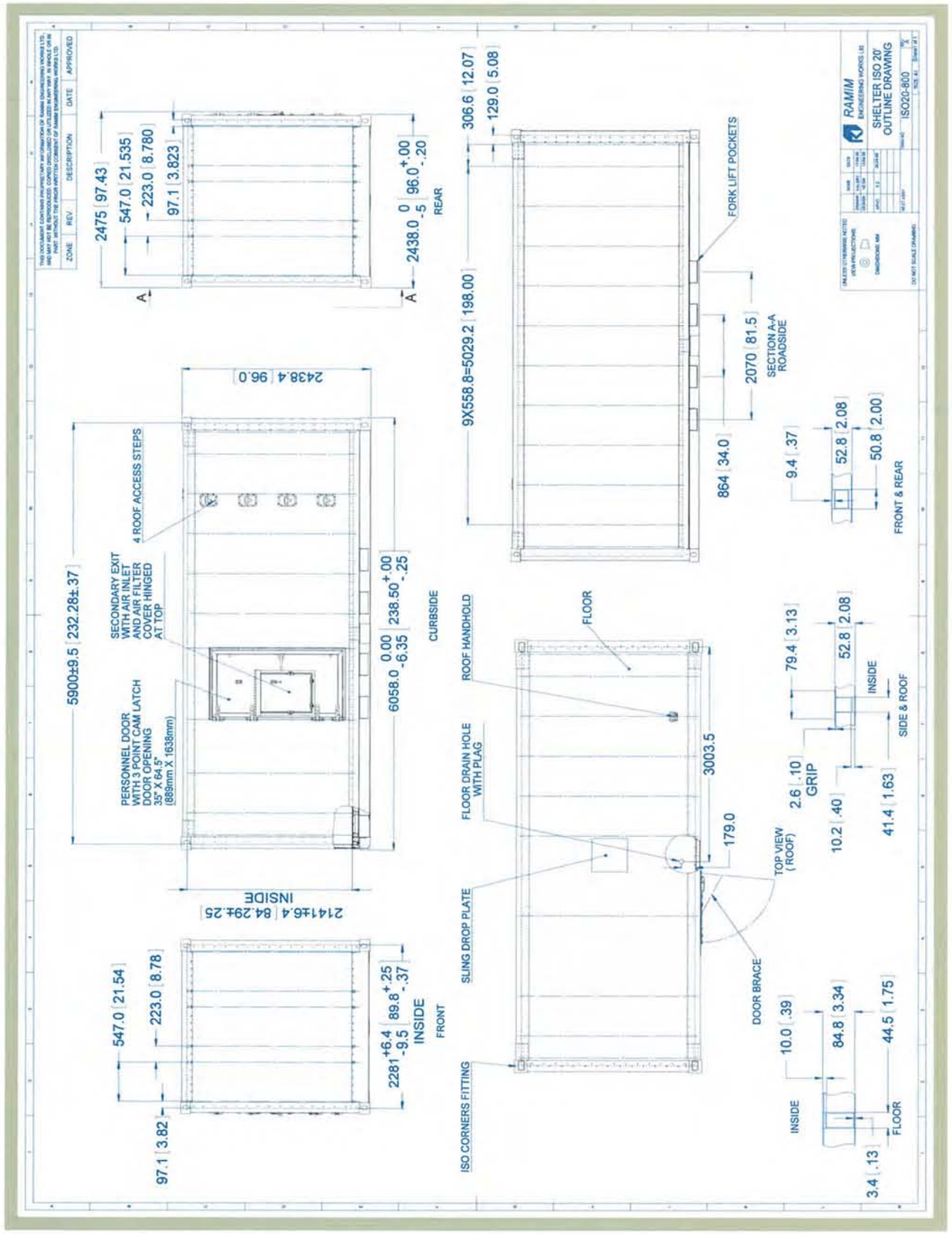
The corner posts of Ramim ISO shelters can withstand the weight of five loaded stacked shelters.

The currently produced ISO/ANSI standardized shelter/container is a lightweight design aimed at rapid deployment via air, sea, land and rail transportation methods.

The standardization facilitates handling and shipping by worldwide military commercial carriers, shippers, charter companies and using agencies.

Roof load	• Snow and ice 75 lbs over 1 sq. ft area. • Personnel and equipment 660 lbs over 2 sq. ft. area.
Mounting member support loads	Wall, roof and floor tensile load 2000 lbs followed by 40 inch-pounds torque load 5/16"-18 inserts
Temperature extremes	• Operating: -40°F to 125°F plus solar load to minimum of 180°F. • Non-operating mode: -65°F to 160 °F
Heat transfer coefficient	U-factor = 0.35 $\frac{Btu}{hr \cdot ft^2 \cdot {}^oF}$
RFI/EMI shielding	Met and exceeded 60 db of attenuation from 150KHz to 10GHz, when tested per the requirement of MIL-STD-285. Greater shielding effectiveness can be provided, if needed.
Standard features	Forklift pockets
Optional features	• Skids: Three(3) full length, replaceable rigid skids • Leveling/lifting jacks
Service Life	15 years service, 20 years storage

Model No	Description	Specification	Exterior dimensions [in]			Interior dimensions [in]			Shelter weights [lbs]	Payload [lbs]	Outline drawing No
			H	W	L	H	W	L			
ISO 20	Industry standard	ISO 1496/1, ANSI MH5.1,5.1.1,5.4 (MIL-M-81957[AS], MIL-S-29410[MC], ASTME-1976)	96	96	238½	$84^{5}/_{16}$	$89^{13}/_{16}$	$232^{5}/_{16}$	4400	15600	ISO20-800



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