



Mobile Expandable Container Configuration

Total mobility by air, land or sea, the AAR MECC is the foremost mobile workspace, fully customizable and able to integrate into your existing mobilization mission. This self-contained shelter system is designed to withstand harsh climates and rough handling during transportation. By combining AAR's proven fabric structure technology with the world standard 20-ft. ISO container, AAR delivers an innovative 3-in-1 expanding shelter.

FEATURES

- 20-ft.L X 8-ft.W X 8-ft.H expandable container with top and bottom fittings meeting ISO 1161
- External dimensions per ISO 668 Designation IC (19-ft. 10 1/2" L X 8-ft.W X 8-ft.H)
- High tensile steel frame
- Rugged steel exterior
- One durable, weatherproof personnel door (42"W X 73 3/4"H)
- Anti-racking container locks
- Foam insulation walls, floors and ceiling
- 18 oz. vinyl-coated polyester and insulated cover in MECC wings
- Non-slip 2.0mm PVC flooring
- Safety equipment and labeling for expandable deployment
- Forklift pockets for both military and commercial forklifts
- Unit compliant with ISO 1496-6 and CSC Certified as such
- 9-high stackable
- Exterior finish in CARC green, CARC tan, or custom finish
- Interior walls covered in heavy duty white powdercoated aluminum
- Exterior fabric in 18 oz. high-tech UV-coated PVC, Reflectix insulation, inside white vinyl liner
- Enclosed winches for lowering and lifting side walls and floors
- Step set for roof access
- Six Side leveling jacks for ground mount
- Four 10,000 lb. capacity corner jacks
- Open style side leveler brackets and receptacles for side and corner support jacks
- Two (2) 16" HVAC Ducts
- Electrical Package including:
 - 100 Amp Electrical Service
 - Eight (8) Light Fixtures (2 removable light fixtures in each wing, 4 fixed in center section);
 - 100 Amp IEC pin and sleeve input located in Power Input Panel
 - Four (4) 110 VAC deployable outlets
 - Six (6) NEMA 5-15R, 15A receptacles
- Technical manual

P/N	NSN	INCLUDES	GSA	DLA
50389-916	8145-01-490-4359	Standard MECC single door/double door w/electric		
50389-932	8145-01-490-4361	Standard MECC single door/single door w/electric		
DIMENSIONS				
EXTERIOR STOWED	96"W X 240"L X 96"H			
EXTERIOR DEPLOYED	264"W X 240"L X 96"H			
INTERIOR STOWED	160 sq.ft.			
INTERIOR DEPLOYED	400 sq.ft.			
TARE WEIGHT		MAXIMUM GROSS WEIGHT		
9,000 lbs.		24,000 lbs.		

APPLICATIONS

- Command Posts
- Sleeping Quarters
- Field Kitchens
- Medical Facilities
- Laundries
- Shower Complexes
- Latrines
- Various Workshops
- Sewage Treatment
- Water Storage Treatment



Command Post configuration

For more information or for a single part number for a customized shelter, call 800-355-2015

OPTIONAL EQUIPMENT

Heating, Ventilation and Air Conditioning
Electrical/Communication/Computer Cabling
Plumbing and Mechanical Systems
Sun Shades
Vestibules, Breezeways and Complexing Kits
Prime and Standby Power Generation
Mobility Wheel Sets
Trailers
Cargo Ramps
Inside Partitions
Stair Systems
Stacking Kits
Communication Panels
Power Input and Output - can have commercial or MIL-C-2299C Class L pin and sleeve connectors



USMC deployment of rigid and rugged MECC shelter under camo netting



MECC in complexed mode



Center vestibule can be used when MECCs are set up on truck level or on ground surface



ECU with input and output hoses



MECC expanded interior view



Electronics Workshop



MECC kitchen configuration



Batch Laundry



MECC as a hospital configuration

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Efficient and secure mobilization transportation logistics for the MECC are unparalleled when compared to other expanding shelters. While in the ISO shipping container format, the MECC can be loaded for transport by forklift, crane, helicopter and fixed wing cargo aircraft along with cargo ships. Handling time is shortened and shipping costs are lowered.

Taking only 10 to 15 minutes to expand, the MECC's rapid deployment feature has placed it in high demand worldwide. Once on site, the MECC can be quickly transformed from its fully secure and transportable ISO container format to its expanded and operational configuration by untrained personnel. This unique, expandable structure offers the end user the benefit of up to three times the floor area of a conventional wood or steel structure of the same shipping footprint. It can be deployed in inclement weather without damage to the interior equipment by keeping it fully covered during set-up. The MECC is also insulated with a much higher R-value than other expandable shelters (total R-value will change depending on the configuration of the MECC unit).

Fully operable in adverse site conditions, the MECC can be off-loaded from its transporter and mounted directly on a flat surface where it can be utilized in a isolated or complexed format.

Various jacking systems have been developed to overcome unlevel conditions, to facilitate integration with other platforms, or to avoid environmental surface hazards.

Highly mobile operations deploy the MECC while mounted on its transporter using the extendible wing supports.

With its advanced engineered footprint designed to International Standards Organization (ISO) specs and at 1/3 of its deployable space, the AAR MECC meets all your requirements for total mobility.

2 Persons / 10 to 15 Minutes Set-Up Time



8-ft.W x 8-ft.H x 20-ft.L Shipping Footprint

22-ft.W x 8-ft.H x 20-ft.L Deployed Footprint

Usable Deployed Floor Space: 400 sq.ft.

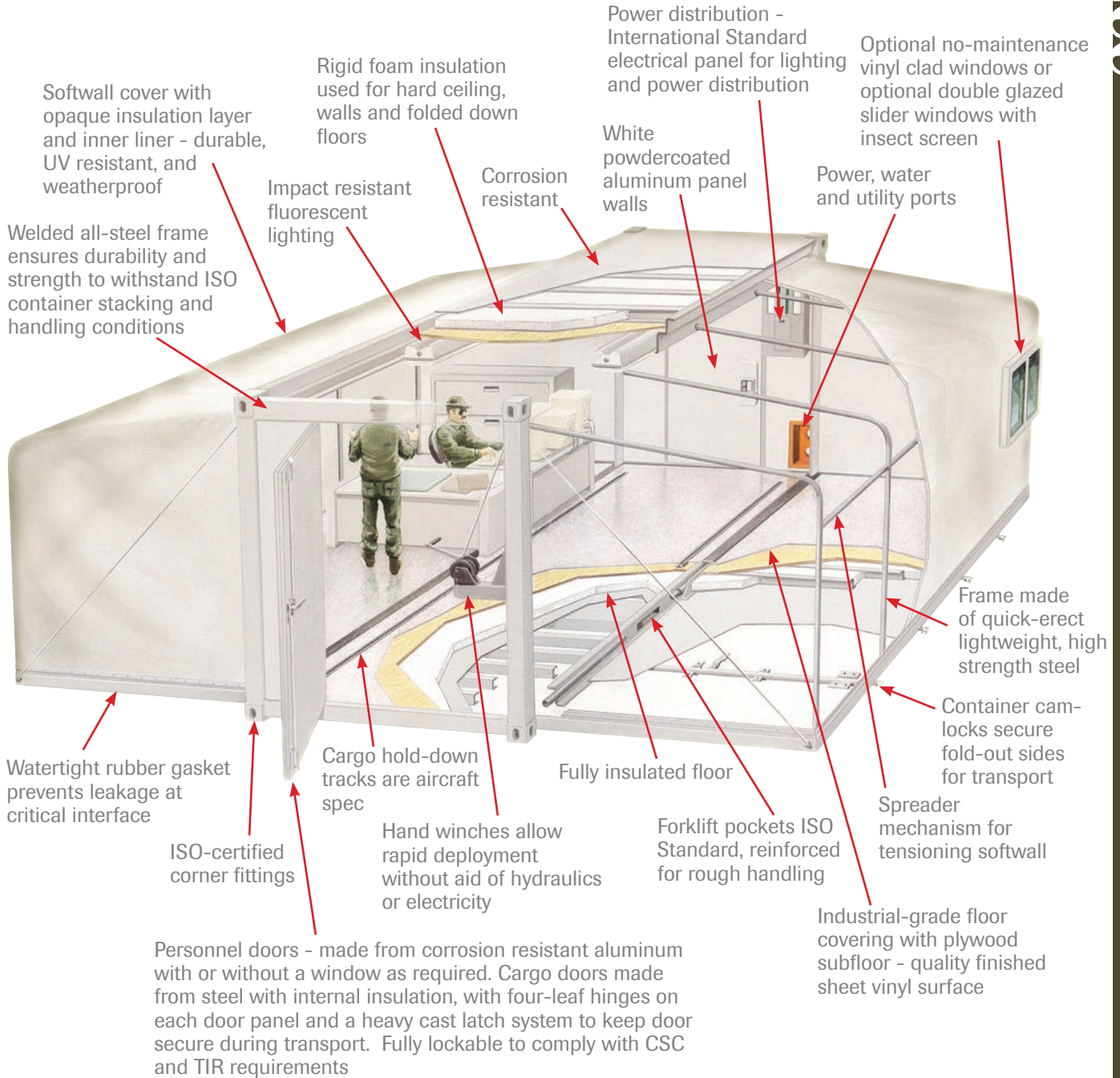


This MECC successfully over-wintered in its deployed format, unattended in the Antarctic, where it experienced frequent winds in excess of 130 mph in severe cold

BENEFITS TO YOU

- Reduction of capital investment due to the ease of redeployment on multiple missions
- Complexed and inter-connected together, keeping your teams intact and ready in environmentally harsh conditions
- Well-secured for transit, reducing pilferage
- Stacked on tight sites either for storage or accommodations, providing the required space in a fraction of the time it would take for conventional construction

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MECCs Complex



MECC with Sun Shade in use