

# Modular Extendable Rigid Wall Shelter (MERWS)

*Expansion Kit for Army Standard Family Expandable (ASF-E) Shelter*



Extendable rigid wall attachment for ASF shelters

Provides an additional 700 sq. ft.  
of unobstructed floor space

Easy-to-assemble – Four workers in four hours

Small footprint – Can be packed in one  
expandable ISO shelter for transport

Ideal for tactical command centers,  
debriefing facilities and hospitals

## Overview

The Modular Extendable Rigid Wall Shelter (MERWS) produced by General Dynamics Mission Systems is an expansion kit that attaches to Army Standard Family Expandable (ASF-E) shelters to provide up to 1,150 feet of unobstructed space. MERWS are deployed worldwide to provide large expanses of extra floor space required by tactical command centers, deployable debriefing facilities, hospitals and maintenance shops. The shelters enable these facilities to operate effectively by providing an unobstructed workspace that can withstand high loads with no supporting columns that is easy to clean and sanitize.

MERWS shelters are constructed of strong, durable and lightweight aluminum-faced, nonmetallic honeycomb-sandwich panels. They are easy to assemble and can be unpacked and erected by four workers in just hours. MERWS can be stored in one ISO shelter and transported by aircraft, ship, rail or road to the field. The shelters can be fitted with chemical and biological kits allowing for wash-down decontamination. Custom features, such as electronics and lighting can also be included to significantly reduce deployment time and provide state-of-the-art system equipment.

## Additional Key Features

- Includes power entry, power distribution and lighting
- Provisions for duct adapters to attach environmental control supply and return air
- ISO 1496 and Convention for Safe Containers (CSC) certified in transport configuration
- Chemical Agent Resistant Coating (CARC) exterior finish

# Modular Extendable Rigid Wall Shelter (MERWS)

## Proven Legacy of Shelters

For over forty years we have provided over 4,000 ASF shelters that have been deployed worldwide by U.S. and foreign military services. Our shelters provide the durability, flexibility and mobility needed to quickly transport, deploy and move facilities to support missions in any environment. We are the first in our industry to achieve the DoD Environmental objective eliminating the use of hexavalent chromium in panel processing. Our in-house panel bonding operations include clean and etch preparation of aluminum skins with an environmentally friendly process and non-hexavalent chromium based conversion coating and structural bonding primer.

## Each MERWS Kit Contains:

- Six modules that include the panels, base frames and roof trusses
- Lighting and power outlets
- Adjustable jacks for leveling floors
- Removable panels, allowing attachment of environmental control ducts or passageways to ISO shelters and TEMPER (general purpose) tents

## Specifications

	w/ 1 Side Expandable ISO Shelter	w/ 2 Side Expandable ISO Shelter
Weight	13,200 lbs	14,700 lbs
Unobstructed Floor Space	1,000 feet <sup>2</sup>	1,150 feet <sup>2</sup>
Deployed Size	8 x 53 x 20 feet	8 x 60 x 20 feet
Transport Size	8 x 8 x 20 feet	8 x 8 x 20 feet
Color	Sand, Green, Tan or Camouflage	

**NSN: 5411-01-312-9084**

**GENERAL DYNAMICS**

Mission Systems

Janet.Guertin@gd-ms.com • 276-706-2980 • Gdmissionsystems.com/shelters