

MOBILE FIELD HOSPITAL

CAPABILITIES STATEMENT



FEMA



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The Solution

Overview

In a world of constant change and unavoidable challenges, FORTS Medical facilities are designed to bring unmatched operational speed and flexibility to any healthcare need in any location. FORTS Medical has over 30 years of experience creating new and innovative shelters at its 420,000 square foot design, engineering and production plant. With a system of interchangeable healthcare shelters, containing everything required for world class patient care, you'll be ready to deploy "fit for purpose" medical shelters to any situation and quickly adjust to any changing medical need.

All Field Hospital shelters are held on trailers ready to deploy at any time. When stored, the entire system is connected to electrical service so that the integrated utility systems, medical equipment and supplies can be continuously monitored for readiness from anywhere in the world.

The base 6 shelter solution is comprised of 1 Command Shelter, 1 Technical Shelter, 5 ICU Shelters, 1 Central Supply Shelter, capable of treating, stabilizing and holding up to 30 patients. As a modular system, additional optional care wards can be added as desired. Furthermore, the unique advantages of the FORTS Medical Field Hospital System are found within the following design elements.



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Fold-Out Rigid Wall Shelters

Experience tells us, that even with the most thorough emergency preparedness planning, not all situations can be foreseen. Often times rapidly changing site conditions or a lack of logistical resources, such as transportation and unloading options, cause major delays in emergency care. FORTS Medical shelters eliminate this risk with their unique durability, reliability, flexibility and operational speed.

- With 8'6"H x 8'W x 20' CSC Certified ISO Container frames, shelter transport is compatible with world-wide land, sea or air shipping equipment.

- For local operations, the FORTS Medical Mobilizer can transport the shelter and its contents with a heavy duty pickup truck, semi-tractor or toter truck.



- The FORTS Medical hydraulic Unloading & Levelling System eliminates the need for specialty equipment (such as forklifts) to load, unload and level the shelter on even the most challenging terrain.

- All FORTS Medical shelters are constructed with fold-out rigid wall interlocking insulated aluminum panels with a PVC core that inhibits fire, bacterial and fungal growth while maintaining an R-14 or higher thermal efficiency.

- Each shelter has a minimum wind load of 170 MPH with proper anchoring, roof load of 55 LBS/SF and floor loads of 165 LBS/SF which provides unmatched storm resistance.

- The exclusive design of the FORTS Medical thermally broken extruded aluminum panel frames and structural hinges, guarantees consistent and reliable opening and closing of the shelter within just 10 minutes.

- The patented Elite 2000 wall panel system allows all utility systems to be hidden within the panel to simplify surface cleaning and decontamination.



→ A custom exterior vinyl branding package and exterior entry ramp with awning provide a quality appearance and shelter identification.

→ Shelters are connected together with bridgeway enclosures which quickly fold away for transport.

→ When utility connections between shelters are required, bundled, insulated and heat traced quick-connect umbilical utility lines bring tremendous site layout flexibility with a single point of utility connections for each shelter.

→ Each shelter is heated and cooled, whether deployed or stored, with an integrated factory installed HVAC unit capable of operating when the ISO container doors are closed for security.

→ When closed for storage or transport, each FORTS Medical shelter includes a substantial storage area to allow secure transport of medical equipment and supplies within the shelter, thus accelerating operational speed.

→ Each FORTS Medical shelter is heated and cooled, whether deployed or stored, with an integrated factory installed HVAC unit to expedite operational speed and to protect shelter contents from temperature deterioration.

→ To defend against the spread of infections; all interior finishes are antibacterial, plumbing and electrical fixtures are touchless and the FORTS Medical exclusive dry fog decontamination unit sterilizes the entire shelter and its utility systems in minutes.

→ The floor covering in each shelter consists of a medical grade sheet vinyl which resists indentations, static loads and bacterial growth.

→ There is no wood or organic materials, that could contribute to bacterial growth, used in the construction of FORTS Medical Shelters.



Automated Medical Utilities

Emergency Responders have little time to manage emergency response facilities, inventories and patient records when everyone around them needs their attention. Yet maintaining the effectiveness of equipment, availability of supplies and tracking treatment are critical components to insure care is optimized. Through advanced system automation, FORTS Medical frees personnel to focus on the all-important patient care.

- Whether stored in a “Mission Ready” state or deployed in the most remote corner of the world, all utility systems and medical equipment can be monitored and controlled 24/7/365 with the FORTS Medical wireless automation system.



- A FORTS Medical shelter’s lights, electrical outlets, doors and door access, fire alarms, security cameras, flood alarms, HVAC, electric generator, oxygen generator, potable water generator, fuel & sanitary waste storage, internal communication systems, medical equipment, etcetera are supported by a secure intranet based system which allows for on-site or off-site command and control with a smartphone or tablet.

- RFID (radio frequency identification denoting) sensors attached to patient emergency call pendants, controlled substances and crucial medical equipment allows continuous staff monitoring and critical control in and around FORTS Medical shelters.

- Monitoring the location, preventative maintenance schedule and operational status of RFID tagged medical equipment insures the medical equipment is available to perform when needed.

- The FORTS Medical Patient eChart System simplifies and expedites accurate patient record keeping with biometric fingerprint verified vitals, medication tracking, imaging files and lab test results which are automatically posted in a patient’s record from the source medical equipment.

- Inventory management is made easy with FORTS Medical barcode labels on all consumables to facilitate proactive stock rotation, automated ordering and timely inventory restocking.



Integrated Medical Equipment

Emergency and remote medical facilities routinely suffer from receiving medical equipment in separate shipments. Too often when shipments are finally received, some of the medical equipment components turn up missing or the equipment is simply out of service. Staffs must spend valuable time unpacking, assembling and installing the medical equipment before delivering care. Medical equipment and supplies are always kept in a "Mission Ready" state within the FORTS Medical shelters so patient care is never delayed.

- FORTS Medical Field Hospitals include interchangeable Intensive Care, Obstetric, Neonatal & Pediatric Intensive Care

- All medical stations are monitored 24/7/365 to insure preventative maintenance is complete and that the medical equipment is fully operational when needed.

- Medical stations are held in the center storage space of a stored FORTS Medical shelter and then simply rolled into position when the shelter is opened.



- FORTS Medical supplies state-of-the-art, multi-function and field proven medical equipment not only to save valuable space but also to minimize staff training time.

- Medical grade electric, oxygen and potable water generators along with HVAC, HEPA filtration and lighting systems are all factory installed in various FORTS Medical shelters, as required to eliminate delays with field installation.



Kitted Medical Supplies

Staff at emergency and remote sites bring their own level of experience and familiarity with available medical supplies. Components required for a particular procedure are often a challenge to keep grouped together. Out of urgency staff may make do with what they have on hand, ultimately sacrificing the quality of care. The FORTS Medical Procedure Kits eliminate this risk by providing everything needed for a particular procedure in easy step by step kits.

→ Each FORTS Medical shelter includes an initial supply of interchangeable medical procedure kits critical for handling an initial surge of patients until medical supplies can be replenished.

→ To support procedures, each kit contains the appropriately sized instruments and dosage levels necessary to accelerate quality care.

→ With clear labels and simple to follow directions in each medical procedure kit, new or less skilled personnel will become effective immediately.

→ Inventory management is made easy with FORTS Medical barcode labels on all consumables to facilitate proactive stock rotation, automated ordering and timely inventory restocking.



Client Support Services (Optional)

Maintaining and deploying emergency and remote medical facilities is often complicated by disparate components requiring considerable staff time and experience to validate operational readiness. This situation places a significant burden on the user and requires the training of large numbers of deployment personnel. The same personnel that may not be available in a disaster situation.

The inherent deployment simplicity and component integration of FORTS Medical shelters, coupled with 24/7/365 monitoring and support from FORTS Medical Field Technicians, eliminates this very real performance risk. Under a Client Support Services Program, FORTS Medical Field Technicians perform equipment maintenance, recertify supplies and accompany the Field Hospital System throughout deployments.

- So that clients are always “Mission Ready”, FORTS Medical Field Technicians manage supply inventory recertification and perform preventative maintenance reviews of the medical equipment, utility systems and the shelter itself.



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- With the aid of FORTS Medical’s Automated Medical Utilities, FORTS Medical Field Technicians are alerted to any system or security abnormalities, so they can take corrective action immediately.

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- FORTS Medical Field Technicians are highly trained in Deployment Protocols and Medical Protocols and are ready to accompany FORTS Medical shelters on deployments, should client staff require assistance.

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- Simple to follow online client training modules along with FORTS Medical Field Technician led client training exercises insures the small deployment staff required are always “Mission Ready”.

-
- FORTS Medical Field Technicians conduct a Post Deployment Analysis after each event to identify opportunities for continuous personnel and system performance improvement.



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The Field Hospital Shelters

1 Technical Shelter

As the "Heart" of the Field Hospital, the Technical Shelter eliminates the time needed to unload, assemble and test various utility systems. With automated medical utilities staged in a single shelter; reliable power, medical gas, potable water and sanitary waste systems deliver critical utilities throughout the Field Hospital immediately upon reaching a site.

Generator

- A 180Kw, 120/240V AC single-phase regulated/stabilized power generator with a 24 hour onboard diesel fuel supply provides an immediate power source.
- The generator automation control, video camera, carbon monoxide sensor and fire suppression system within the sound attenuating enclosure combines to maximize safety and Command Shelter visibility.
- The 1,200 Amp main distribution panel with automatic transfer switch accommodates auxiliary power sources.
- Traffic resistant quick-connect electric cabling delivers power to each shelter without the need for an electrician.



Water Filtration System

- A minimum of 8,000 liters per day (2,000 gallons per day) of potable water is produced from any reasonable source of saltwater, brackish water, flood water or freshwater.
- Various pre-filter, reverse osmosis and UV treatment processes combine to generate clean water via a fully-automated system.
- Traffic resistant, insulated and heat traced quick-connect water lines distribute water to all shelters for the restrooms, laundry, canteen, sterilizer, ice machine and water reserve bladders.

Medical Gas Generation System

- The system produces a minimum of 50 LPM of 95% pure oxygen and up to 100 LPM of 90% pure oxygen during peak demands.

- Durable high-pressure quick-connect oxygen hoses distributes medical grade oxygen to each shelter.

- A built-in 14,400 liter automated backup supply cylinder and a blast-containment cylinder filling compartment, capable of filling D, Jumbo D and E cylinders, supports additional needs.

- The oxygen generator automation control and 3 stage visual/audible alarm alerts staff to any significant drop in oxygen reserves.

Support Features

- The fully equipped canteen provides a 7 day supply of high quality dehydrated foods to nourish the staff and patients regardless of any special dietary requirements.

- A large capacity washer and dryer tandem unit facilitates the reuse of linens and clothing when disposable options are in short supply.

- The ice machine produces a sufficient quantity of ice as a critical resource for treating patient injuries and heat related ailments.

- The medical device sterilizer and vacuum package sealer combine to foster the safe reuse of medical devices and onsite preparation of procedure kits.

- A medical supply refrigerator with recording thermostat and audible alarm insures the reliability of critical stock.

- A series of bladder tanks store excess potable water and diesel fuel reserves while sanitary waste is held until safe disposal is available. The fully equipped canteen provides a 7 day supply of high quality dehydrated foods to nourish the staff and patients regardless of any special dietary requirements.



1 Command Shelter

As the "Brain" of the Field Hospital, the Command Shelter provides real-time information access to accelerate life saving Incident Command decisions. Staff can direct patient flow, credential medical personnel and maintain patient records while monitoring resource levels, safety, security and environmental systems for the entire field hospital.

Surveillance System

- A series of directional shelter cameras fed to an 8 screen security monitoring station via CAT6 cable or GSM wireless router, secures an internal and external recorded view of each shelter.

- The camera alert system notifies security personnel of any individual without an RFID patient bracelet or staff lanyard in or within 200 feet of the Field Hospital.

- An emergency monitoring system oversees door access locks, motion sensors, smoke/fire alarms, carbon monoxide sensors, environmental sensors, manual panic/fire pull stations and where applicable the fire suppression systems within each shelter.

- The weather station, communication antennas, 14,400 watt exterior lights and a night vision high resolution pan-tilt-zoom camera mounted on 20 foot high masts optimizes exterior surveillance.



Communication Systems

- The FORTS Medical Telemedicine System combines the most advanced patient monitoring system with an advanced encrypted communication via GSM, CMDIA and satellite transmission that are totally seamless. The FORTS Medical cloud system avoids lost data in sporadic transmission. Thus, all EPCR charts, protocols and treatment parameters are resident within the Field Hospital in case of data communication loss.

- HF long range radio, VHF marine band, VHF air band, VOIP lines, an Iridium satellite phone, GSM cellular phone, intra-hospital communication system and walkie-talkies completes a redundant on-site and off-site communication system.

- An emergency broadcast system with 100 watt exterior speakers allows Command Shelter staff to broadcast an emergency message or up to 4 unique emergency siren tones across the entire Field Hospital.

→ An Intra-shelter emergency message broadcasts are also available through the intra-hospital communication system.

→ A TV monitor, directional antenna, tracvision satellite link and satellite radio insures access to general information about off-site events.

Automation & Inventory System

→ Authorized Incident Command staff, whether on-site or off-site, are able to access the Automation and Inventory Systems remotely.

→ Through automation of utility resources, the Command Shelter staff is able to monitor and control power generation, water filtration, oxygen generation, fuel levels, water levels, oxygen reserves and more.

→ The RFID tagged medical supplies and medical equipment allows for real-time inventory level and location reporting in under 2 minutes.

Support Features

→ Reception Area controls walk-in access and serves as location for staff and patient credentialing.

→ Independent operation is maintained through an integrated 5,000 watt solar power supply featuring 20Kw of battery storage, 120V AC, 12V and USB charging stations.

→ Patient eChart System records all treatment and brings continuity of care to patient transfers.

→ A furnished Chaplain & Family Services space provides privacy for counseling and staff meetings.

→ The break room, restroom & shower allow staff to recoup while remaining available.



5 Intensive Care Unit Shelters

As the "Backbone" of the Field Hospital, the three ICU Medical Shelters waste no time with everything already on hand for life saving critical care. Each is a combined Trauma Ward and Emergency Room, preloaded with medical treatment stations and supplies, kept in a "Mission Ready" state so patient care can begin immediately.

Medical Equipment & Supply

- Each ICU Shelter is equipped with interchangeable maternity, neonatal, pediatric or adult medical stations capable of treating a minimum of 4 patients simultaneously.

- Each medical station includes a multi-parameter patient monitor with 12 lead ECG, SpO2, CO2, 2 Temp channels, 2 IVBP, RR, Plethysmography, and an attached defibrillation module with Biphasic capabilities, pacing. The monitor can send all data to a telemedicine center in bursts or continuous mode as well as transmitted to patient charting.

- Each medical station includes dedicated exam lighting, ventilator, suction pump, IV pump and oxygen along with access to a portable ultrasound, blood analyzer and surgical cart which is shared among the patients in each ICU Shelter.

- All medical equipment and supplies are monitored via the Automation & Inventory System to identify their location and insure equipment preventative maintenance schedules and supply expiry dates are met.

- A crash cart at each medical station is loaded with medical procedure kits and supplies consistent with PEPID Emergency Medical Protocols.

- Multi-position patient beds featuring a decontaminatable surface, are equipped with proper linens, protective pads and patient sanitary care supplies while patient transport is facilitated with a mega mover patient handling device and patient backboard.



Patient Record and Medical Protocol

- Each ICU Shelter contains a computer station for access to inventory control, telemedicine readouts, video conferencing and world renowned PEPID Emergency Medical Protocols the staff can access as a lifesaving resource.

- PEPID Emergency Medical Protocols include emergency intervention, trauma, advanced cardiac life support, and advanced trauma life support protocols along with a full drug database, drug & IV interaction database, pill identification, lab manual, patient discharge instructions and much more.
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- Patient records are accurately maintained through the use of patient RFID bracelets and wireless electronic charting messages received from each medical device and patient vital signs monitors.

Decontamination System

- While in service the antibacterial shelter surfaces, biohazard disposal pails, soiled linen baskets, various cleaning solutions, personal protective equipment, spill containment kits and a filtered vacuum ionic vapor steamer combine for overall infection control.
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- Before recalling the ICU Shelter, the portable dry fog hydrogen peroxide decontamination unit completely sanitizes all surfaces along with the entire HVAC system to allow facility cleaning and maintenance without the need for hazardous personal protective equipment.
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- The sanitary waste holding tank and associated plumbing pipes include access ports to safely isolate, treat and flush the entire system.

Support Features

- Medical equipment automation insures once rolled into position everything works.
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- Surgical sink and patient restroom with touchless fixtures and HEPA filtration minimizes the spread of infections.
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- Inventory Management System tracks the location of all medical equipment to insure it is readily available when needed.
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- An entry door access ramp allows wheelchair and gurney entry through an oversized door with a protective exterior awning and lighting.



1 Multi Function Shelters

As the “Muscle” of the Field Hospital, the Multi Function Shelters bring speed and endurance to emergency and remote medical care. These dual function shelters, staged with ancillary equipment and supplies, can also serve as a staff recovery dorm, lab/pharmacy or central supply shelters during active operations. One shelter is used as Field Technician Shelter accommodations for the FORTS Medical Field Technicians who may remain on site during deployments.

→ An Inventory Access Wall opens in seconds for loading and unloading of equipment and supplies.

→ Utility cables, portable bladder tanks, pumps and more are stored within the shelter during transport.

→ The inclusion of large equipment tote bins and material handling equipment accelerates deployment with a minimal staff.

→ The RFID tracked inventory held on racks in clear supply bins, provides easy access to medical supplies during active operations.

→ The shelter is quickly transformed with portable cots, linens and accompanying lockers to accommodate up to 6 people at a time or to be used as a pharmacy, laboratory or workshop.

→ As with each shelter, all life safety & security components are included to bring peace of mind to those needing rest.



Decontamination Systems

Up to now it has been risky to reuse portable medical facilities due to the lack of a thorough and effective means to decontaminate facilities and their contents from one deployment to the next. Since FORTS Medical has integrated comprehensive infection control capabilities within the facility design, staff and patients are protected during deployment, operational use, demobilization and redeployment.

→ The Bio-Fluid Spill Decontamination System controls patient body fluid spills through an exclusive neutralizing bio-containment powder and vacuum steamer.

→ A portable Dry Fog Hydrogen Peroxide Decontamination Unit completely sanitizes all shelter surfaces along with the entire HVAC system to allow facility cleaning and maintenance without the need for hazardous personal protective equipment.

→ The Waste Oxidizing Disinfection Cart decontaminates the sanitary waste holding tanks and associated plumbing pipes via access ports to safely isolate, treat and flush the entire system before dismantling.



Field Hospital Included Accessories

Storage Power Package

To facilitate readiness, FORTS Medical offers a Storage Power Package to connect 120/240 VAC power to a shelter. With this continuous electrical service point; the integrated utility systems, medical equipment and supplies can be continuously maintained and monitored from anywhere in the world. You can rest assured that everything is always “Mission Ready” for deployment.

- 200A Distribution Box with (8) Cam Lock ports
- (4) 400A 50' Cam Lock cables with G-W-R-B color coding
- Monitor Alarm and Panel Light
- 120 VAC Service Outlet



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2 Exterior Stand Lights

Most remote locations lack adequate lighting. Since thoroughly lighting a deployment site is critical to the security and safety of staff and patients, FORTS Medical offers a rugged portable solution. One that packs away for easy transport and deploys in minutes to enhance nighttime deployment speed, safety and security.

- (10) 100W Cree LED Light Panel (14,400W incandescent light equivalent)
- 8' to 24' High Retractable Mast with Red Aviation Warning Light
- Retractable Base with Locking Casters
- 65' - 120VAC Connecting Cable with Cam Lock fittings

Bladder Tanks, Pumps, Hoses & Fittings

Managing the fluid resources of diesel fuel and potable water along with containment of sanitary wastewater is critical to maintaining effective field operations. FORTS Medical provides a series of compact bladder tanks and ancillary pumps, hoses and fittings to meet the demands of even the harshest environmental conditions.

- 1,000 gallon Diesel Fuel Bladder Tank with Containment Barrier
- 1,000 gallon Potable Water Tank
- 1,500 gallon Sanitary Waste Tank

BQ-50 Portable Shelter Decontamination Unit

The portable dry fog hydrogen peroxide decontamination unit completely sanitizes all surfaces along with the entire HVAC system of any FORTS Medical shelter to allow facility cleaning and maintenance without the need for hazardous personal protective equipment. Remote control of the automated peroxide distribution from the exterior of the shelter results in a shelter able to be redeployed without concern for infectious disease transfer.

- Portable BQ-50 Shelter Decontamination Unit
- Remote Control System
- Control Unit with printed results mounted in a technical locker
- Start-up supplies for 5 cycles
- Cycle indicator strips

Waste Oxidizing Disinfection Cart

The Waste Oxidizing Disinfection Cart decontaminates the sanitary waste holding tanks, associated plumbing pipes and hoses via access ports to safely isolate, treat and flush the entire system before dismantling. The onboard air compressor and hoses purge and dry hoses to protect them from freezing when not in use.

- Chemical Tank & Chemical Fluid Pump
- Waste Treatment Tank
- Chemical Treatment Hose and Reel
- 120VAC Air Compressor and tank with battery backup



- Compressed Air Hose and Reel
- Steerable All-Terrain Cart with wrap around safety rail and lights
- Insulation and Heat Trace System

High Efficiency Steam Vacuum System

Once body fluids are contained with the Disinfection Encapsulating Granules and removed, the High Efficiency Steam Vacuum System quickly sterilizes surfaces contaminated by body fluids with deep steam ionic vapor certified to kill pathogens. The remaining moisture is simultaneously collected by the vacuum system.

- 110V AC Electric Vacuum Cleaner
- Fresh Water Tank and Waste Chamber
- Chemical Additive Port
- Suction/Steam Hose and Surface Tool
- HEPA Exhaust Filter
- Steam Boiler



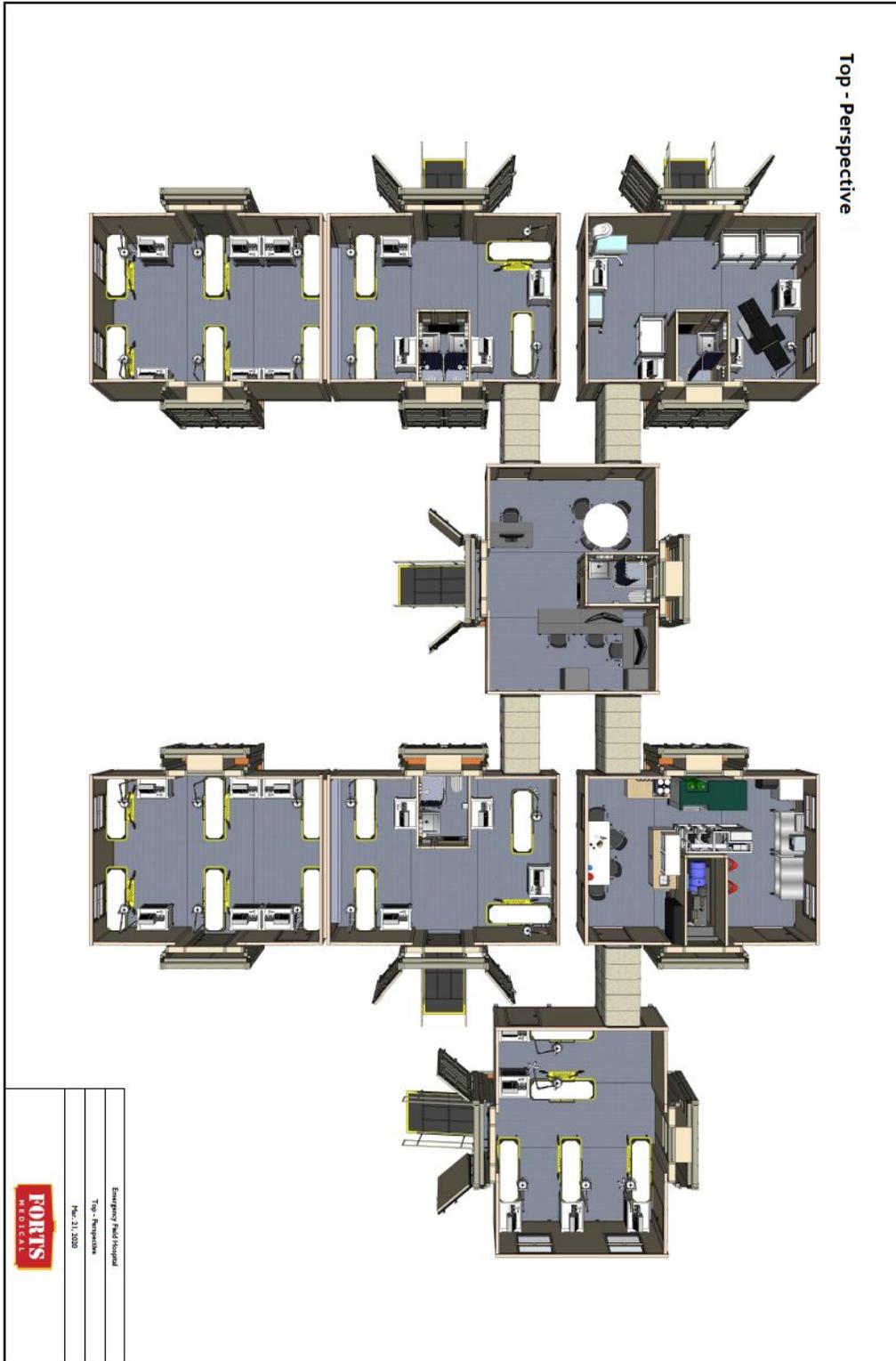
Support Services

A FORTS Medical trained and certified Support Services Team is available to manage all aspects of field hospital maintenance, deployment and operation. Their Field Technicians will provide the following support to FDOH under an additional Client Support Services Agreement.

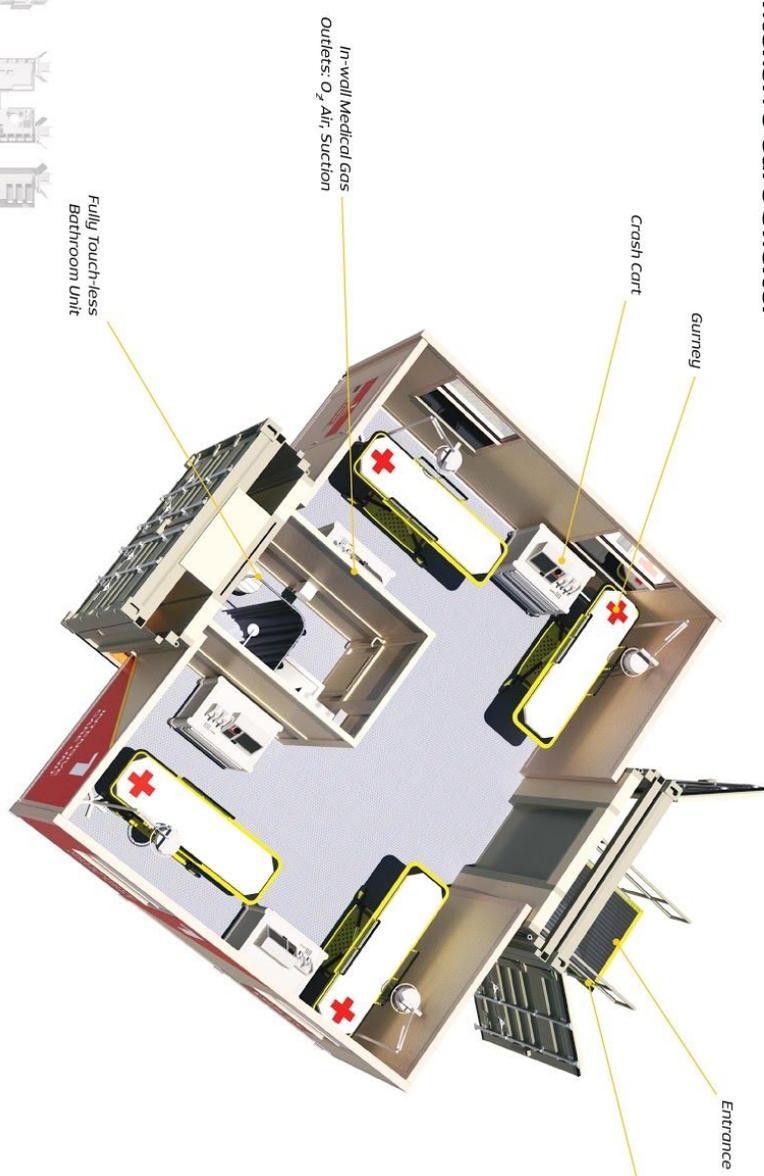
PREPARE	FORTS Medical University On-line & Field Training Exercises
	Powered Indoor Field Hospital Storage & Continuous Readiness Monitoring
	Preventative Maintenance & Inspection Program
	Supply Expiry Replacement & Warranty Service Coordination
DEPLOY	Deployment Site Preparation
	Transport Logistics Service Coordination
	On-Site FORTS Medical Field Technicians
	Deploy & Maintain Field Hospital Systems
OPERATE	Fuel Service
	Medical & Non-Medical Supply Replenishment
	Medical Instrument Sterilization & Procedure Kit Assembly
	Decontamination & Recertification Services



Design Drawings



Intensive Care Shelter



Gurney

Crash Cart

In-wall Medical Gas Outlets: O₂, Air, Suction

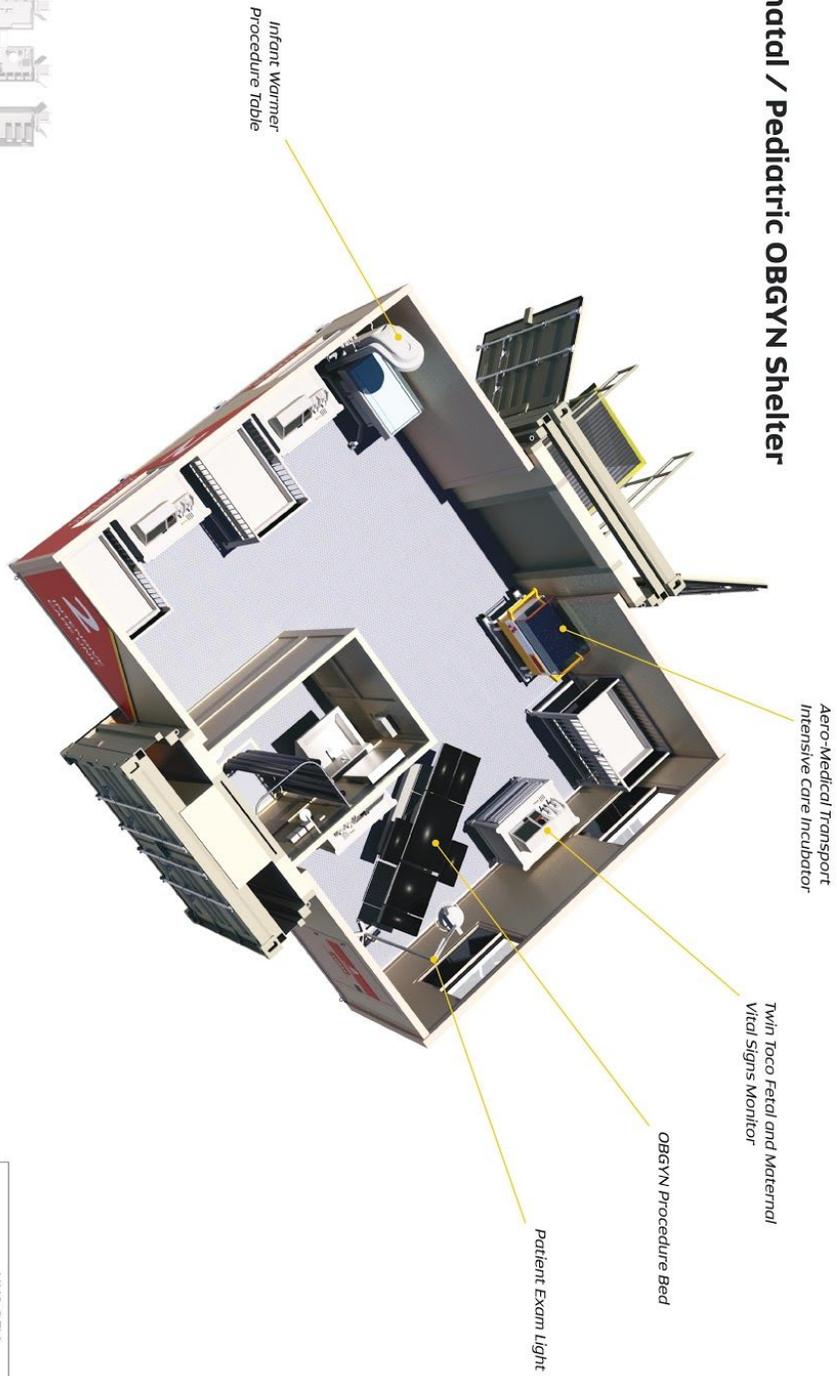
Fully Touch-less Bathroom Unit

Entrance

Wide, secure, non-slip access ramps, stretcher and wheelchair compatible

HHS OEM
Intensive Care Shelter
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FORTS MEDICAL

Neonatal / Pediatric OBGYN Shelter

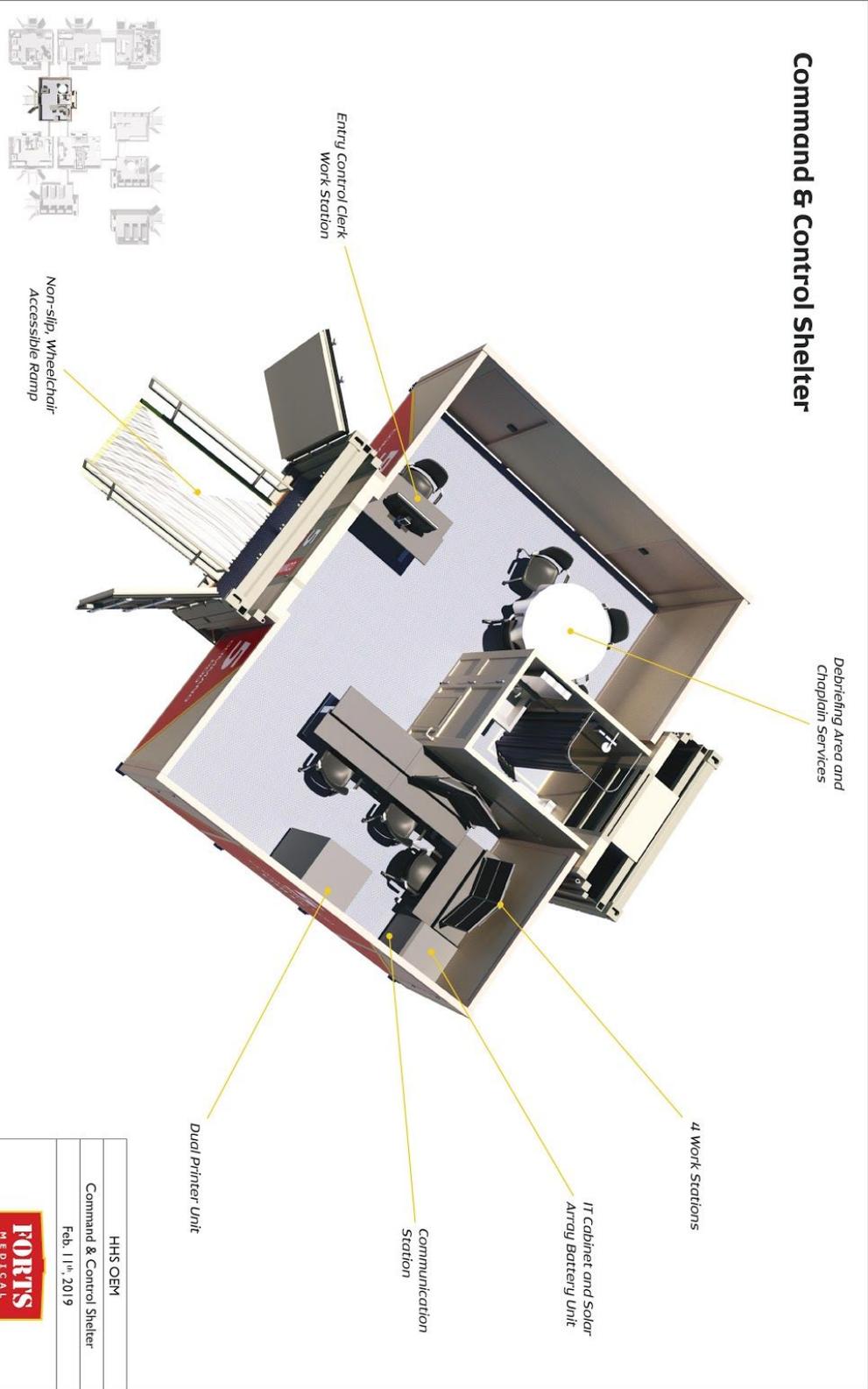


HHS OEM
Neonatal / Pediatric OBGYN Shelter
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Command & Control Shelter

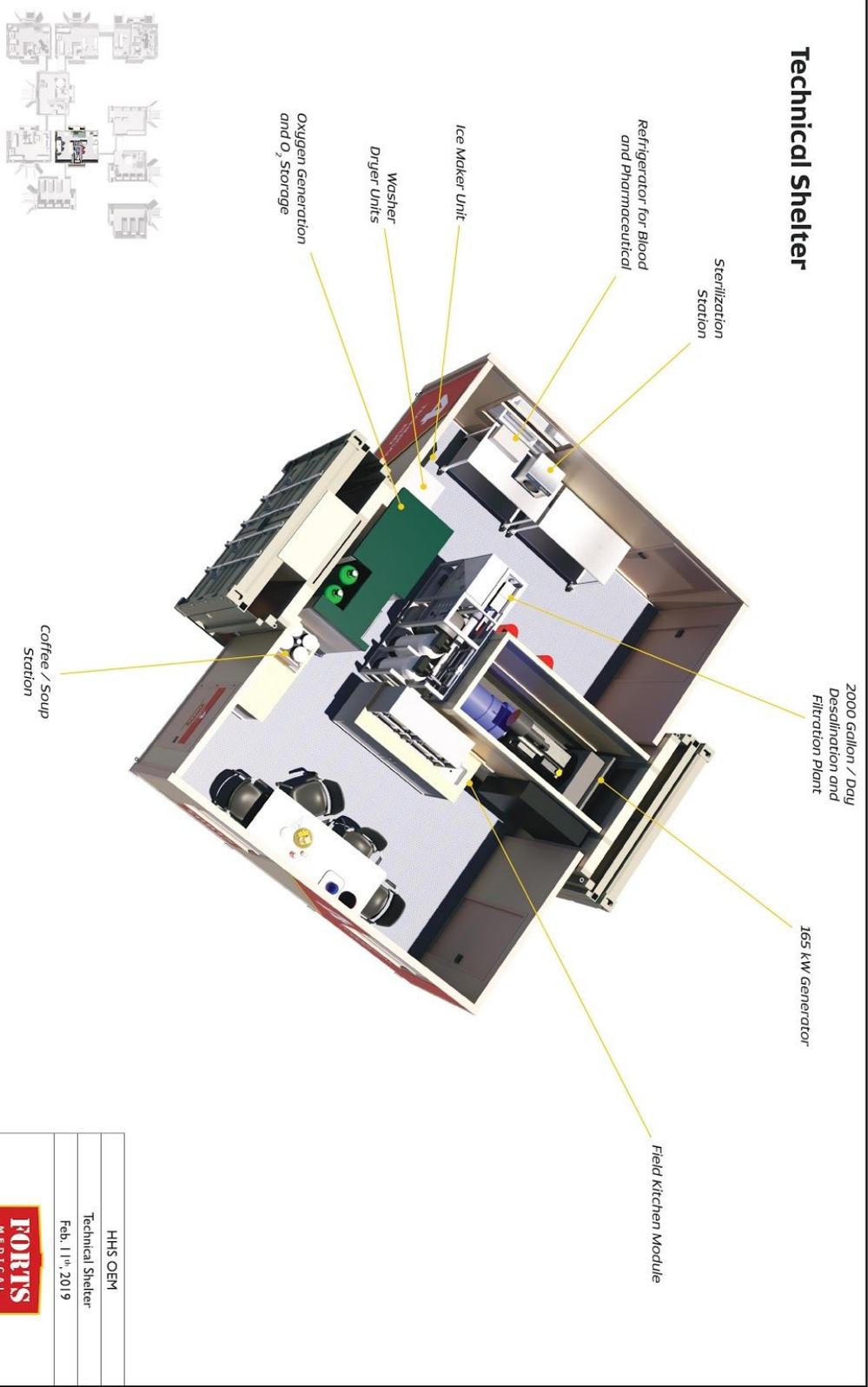


HHS OEM
Command & Control Shelter
Feb. 1 st , 2019
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Technical Shelter

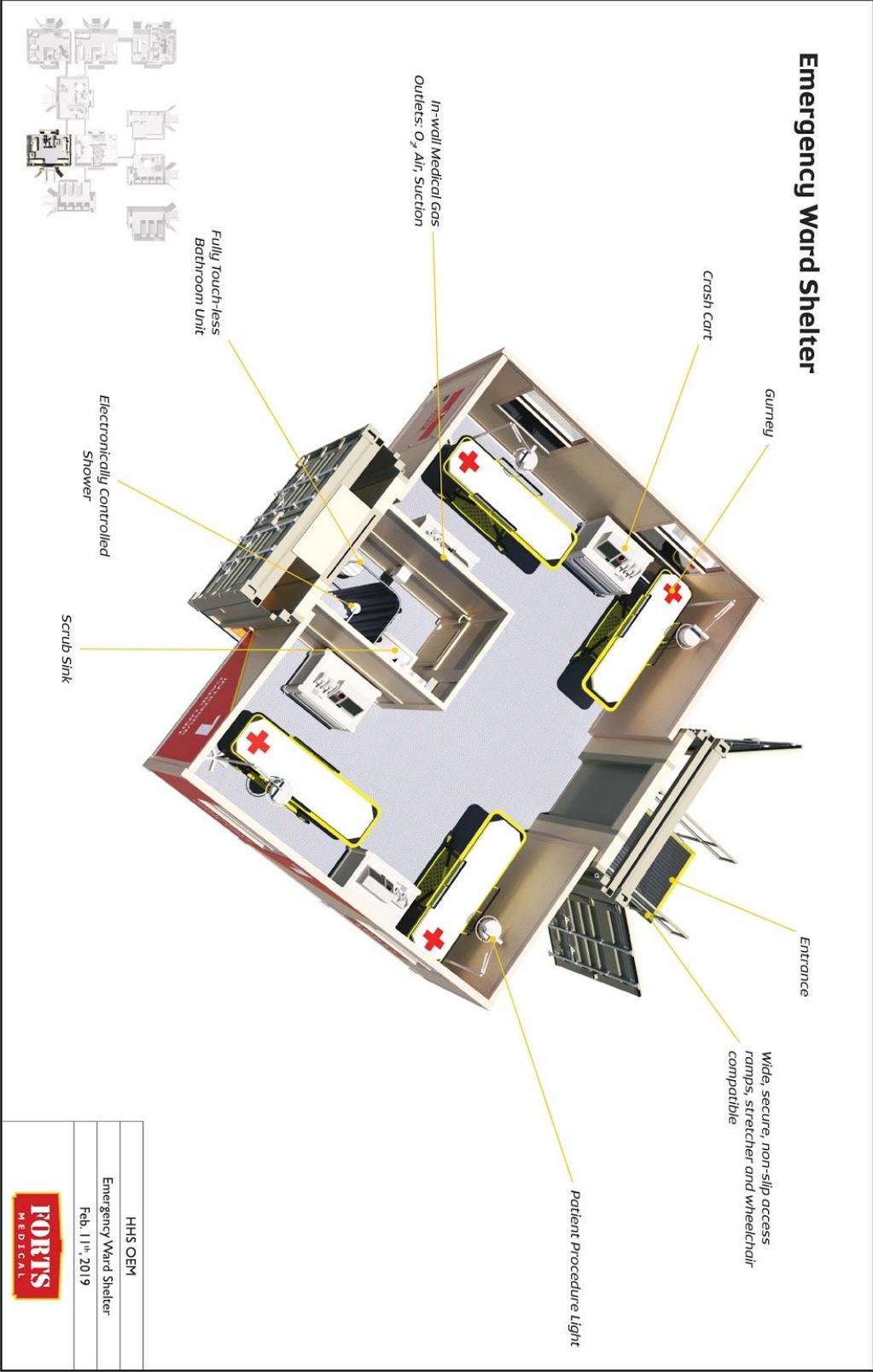


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Technical Shelter
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Emergency Ward Shelter



Crash Cart

Gurney

Entrance

Wide, secure, non-slip access ramps, stretchers and wheelchair compatible

Patient Procedure Light

In-wall Medical Gas Outlets: O₂, Air, Suction

Fully Touch-less Bathroom Unit

Electronically Controlled Shower

Scrub Sink

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Emergency Ward Shelter
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Appendix

Field Hospital System Compliance

Shelters

- 2012 International Building Code
- 2012 International Residential Code
- ICC (International Code Council) - ESR-1599 Roof and Wall panels
- ASCE 7-10 (American Society of Civil Engineers) 2010 Aluminum Design Manual
- Shelters are rated for wind speeds up to 170 mph with proper anchoring
- Roof live loads are rated up to 55 lbs. per square foot
- UL (Underwriters Laboratories), ETL (Electrical Testing Laboratories) certified electrical system components
- FDA (Food & Drug Administration) medical gas system installation guidelines
- FDA approved medical devices
- NSF (National Science Foundation) standards for multisource filtered water systems
- NSF certified plumbing fixtures for medical use
- UL, ETL and NSF certified UV water system
- All communications equipment is certified by FCC (Federal Communications Commission)

Transportation

- ISO Container Standards (ICC type) - ISO 830, ISO 1161, ISO 6346
- T.I.R. Certification (The Customs Conventions on Containers)
- C.S.C. Certification (International Convention for Safe Container)
- DOT (Department of Transportation) certified transport trailers

Fire

- UL 1715 (UBC 17-5) Room Corner Test, Fire test of Internal Finish Materials as classified by Underwriters Laboratories, Inc. File No. R15413.
- Class "B" (Full) Exterior Fire Resistances per ASTM E108-91A. Three classes of fire test exposures, spread of flame, intermittent flame and burning Brands.
- Classified by Underwriters Laboratories, Inc., File No. R 15373.
- Class "A" Spread of Flame for exterior fire resistance, per ASTM E108-07A, Southwest Research, Department of Fire Technology.
- UBC 26-3 Room Fire Test Standard. 15 minutes interior. Southwest Research, Department of Fire Technology.

