

MC3-RR

Mobile Transportable **CLEAN CUBE**
for Rapid Response Applications



Synergy Med Global Solutions Specializes In Streamlined Development, Delivery & Construction of Complex, Clean Clinical Environments. Delivering a Safer, Smarter Space to Patients and Staff.



CLEAN CUBE
US Patent No.: US10,071,177 B1
US10,369,242 B1

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MC3-RR



The MC3-RR (Rapid Response) units contain many technological innovations aimed at improving care and safety for caregiver, patient and others. It is an extremely durable, modular, expandable, upgradeable, and fully transportable multi-use environment.



Potential H2O and Waste Storage
Underneath or Behind →

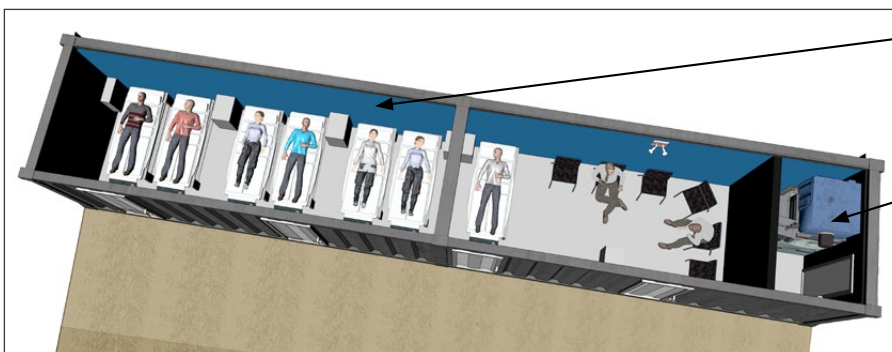


Video Overview Available at: [Synergy-MedSolutions.com/MC3-RR](https://www.Synergy-MedSolutions.com/MC3-RR)

Each MC3-RR Cube includes/provides:

- Modular Clinical Environments with a universal infrastructure that allows for quick and easy on-site modification into different care, testing, triaging and housing modalities.
- Technology which allows for automated leveling and connecting in the field for more efficient assembly.
- Automated or manual cleaning cycle with NTD-VHP (vaporized hydrogen peroxide) for greater than 6-log decontamination delivering greater than 99.9999% reduction in pathogens in select care setting chambers, the entire MC3-RR unit, equipment and PPE such as face masks and other items allowing for reuse.
- Hermetically sealing care modules to support disinfection cycle, patient isolation, or to protect personnel from outside chemical or environmental hazards. Each unit has dedicated air handling units with pharmaceutical grade HEPA filtration.
 - Hooks in to grid for power and data with optional off-grid power options.
 - Integrated potable water and waste system as well as ability to tap into community water and waste.

Multipurpose Configuration Accommodates Test/Triage or Office/Lab Space



○ Sterile Mobile Sleeping Quarters for First Responders

○ Mechanical Room

○ Removable Walls Facilitate Multiple Configurations



MC3-R1, R2, R3 SPECIFICATION SHEET COMPARISON

	R1	R2	R3
HVAC			
Supply Air Filtration Level	1,200 CFM HEPA	480 CFM MERV-8A	480 CFM MERV-8A
Supply Fan VFD	Incl	Incl	Incl
Air Changes Per Hour	30+	12	12
Zones of Temperature Control	4	4	1
100% Outside Air (no recirculation)	Incl	Incl	Incl
Cooling	Mechanical	Mechanical	Mechanical
Heating	Heat Pump/Electric	Heat Pump/Electric	Heat Pump/Electric
Zones of Cleaning (Fog)	4	4	1
Exhaust Fan	Incl	Incl	Incl
Exhaust Fan VFD	Incl	Incl	Incl
Exhaust Air HEPA Filtration	Opt	-	-
Dehumidification Control	Incl	Incl	Incl
Plumbing			
Quantity of Sinks	4 Max	4 Max	Opt
Sink	Stainless Steel	Stainless Steel	Opt
ADA Compliant Sink	Yes	Yes	Yes
Integral Water Tank	Incl	Incl	Incl
Integral Water Pump	Incl	Incl	Incl
Integral Greywater Tank	Incl	Incl	Incl
Domestic Water Heater	Incl	Incl	Incl
Med Gas Bottled	Incl	Incl	Incl
Electrical			
Panel	Incl	Incl	Incl
Disconnect	Incl	Incl	Incl
Generator Connection Cabinet	Incl	Optional	-
Skid Mounted Generator	Incl	-	-
Sealed LED Lighting Indoor Lighting	Incl	Incl	Incl
Exterior Lighting	Incl	Incl	Incl
Internal Power Outlets	Incl	Incl	Incl

Interior Walls

- Insulated Vapor Barrier
- Solid Surface PVC with Heat Welded Seam
- Rail Mounted Accessory/Equipment
- Reconfigurable, Hermetically Sealing Wall Partitions with Optional Interior Door
- Integrated VHP Generator with 4 Compartment Separation & Dampening

Flooring

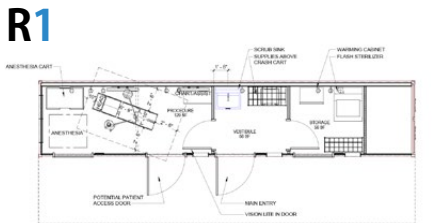
- Medical Grade Sheet Vinyl with Architectural Accent
- Intergral Cove Base/All Heat Welded Seams
- Continuous Through 35' Care Space

Ceiling

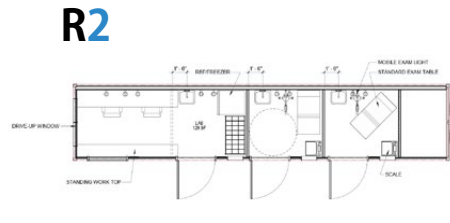
- Two Sealed Medical Grade Luminaries Per 4 Per Container Care Space
- Medical Grade Laminar Air Diffuser
- Future-proofed Equipment/Accessory Mounting Structure

Non-fixed Equipment

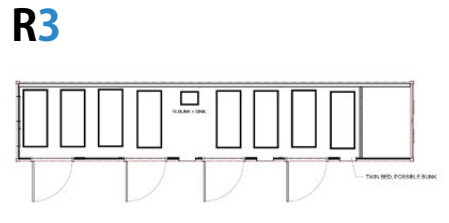
- See Detailed Equipment List Per Specialty Care Zone



PROCEDURE, HIGH RISK, CRITICAL, ICU STEPDOWN



MINOR PROCEDURE, QUARANTINE/TEMP BEDS, TEST/TRIAGE, LAB/CLINICAL TRIAGE, TEAM CARE/PATIENT SUPPORT



QUARANTINE/TEMP BEDS, TEST/TRIAGE, LAB/CLINICAL TRIAGE, TEAM CARE/PATIENT SUPPORT, STORAGE, FIRST RESPONDER QUARTERS, HALLWAYS, STORAGE, WAITING ETC.

MC3-RR EQUIPMENT LIST PER CARE UNIT-A



MULTIPLE FINANCING
OPTIONS AVAILABLE

R1

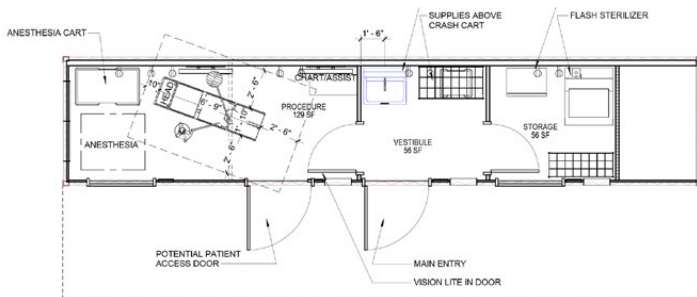
R1

OPERATING ROOM

- TABLE, SURGICAL
- ANESTHESIA MACHINE
- MONITOR, PHYSIOLOGICAL
- CART, ANESTHESIA MEDICATION
- ELECTROSURGICAL UNIT
- MONITOR, VIDEO
- MONITOR, VIDEO
- VIDEO SYSTEM
- ILLUMINATOR, WALL MOUNTED
- TABLE, UTILITY
- I.V. INFUSION PUMP
- I.V. POLE
- TOURNIQUET
- TABLE, WORK
- STAND, MAYO
- STAND, BASIN, SINGLE
- KICKBUCKET
- STOOL, FOOT, STEP
- STOOL, REVOLVING
- HYPERTHERMIA UNIT
- PUMP, COMPRESSION
- FLOWMETER, OXYGEN
- REGULATOR, SUCTION, CONTINUOUS & INTERMITTENT
- LIFTER, PATIENT, ROLLER
- HAMPER, LINEN
- DISPENSER, GLOVE
- DISPOSAL CONTAINER SHARPS
- CART, SHARPS

CRITICAL/HIGH RISK/ICU STEPDOWN

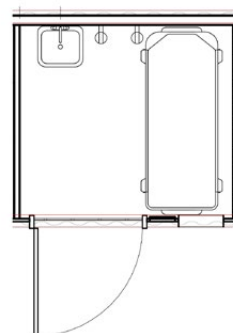
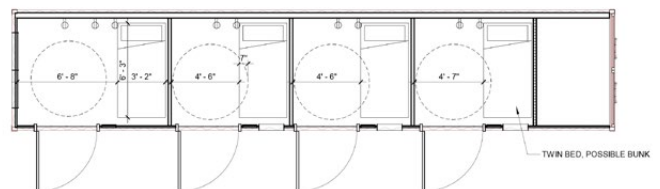
- BED, MED-SURG
- MONITOR, PHYSIOLOGICAL
- MONITOR ACCESSORY, MOUNTING ASSEMBLY, WALL
- MONITOR ACCESSORY, MOUNTING ASSEMBLY, WALL
- WALL CHANNEL
- VENTILATOR, INTENSIVE CARE
- I.V. POLE
- ACCESSORY
- I.V. INFUSION PUMP
- THERMOMETER, ELECTRONIC, WALL MOUNTED
- CABINET, MEDICATION, WALL MOUNTED
- PUMP, COMPRESSION
- TABLE, OVERBED
- ALARM
- FLOWMETER, OXYGEN
- FLOWMETER, AIR
- REGULATOR, SUCTION, INTERMITTENT
- ACCESSORY
- COMPUTER
- COMPUTER ACCESSORY
- SCANNER
- PRINTER, LABEL
- SHELF, WALL MOUNTED
- TELEPHONE
- TELEVISION
- TELEVISION, ACCESSORY, CONTROL UNIT
- TELEVISION ACCESSORY, BRACKET, WALL MOUNTED
- DISPENSER, GLOVE
- DISPOSAL CONTAINER, SHARPS
- DISPENSER, LIQUID, SOAP/DISINFECTANT
- DISPENSER, PAPER TOWEL
- SANITIZER
- HAMPER, LINEN
- WASTE RECEPTACLE



R1,2,3

PREP/PACU/PRIVATE

- STRETCHER
- MONITOR, PHYSIOLOGICAL
- WALL CHANNEL
- PUMP, COMPRESSION
- THERMOMETER, ELECTRONIC
- HAMPER, LINEN
- FLOWMETER, OXYGEN
- REGULATOR, SUCTION, CONTINUOUS & INTERMITTENT
- DISPENSER, GLOVE
- DISPOSAL CONTAINER, SHARPS W/BRACKET

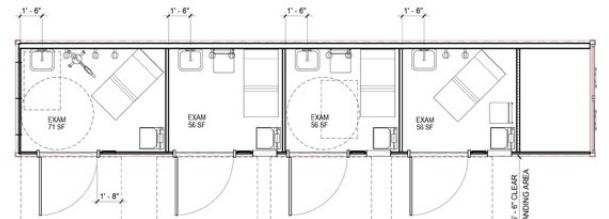
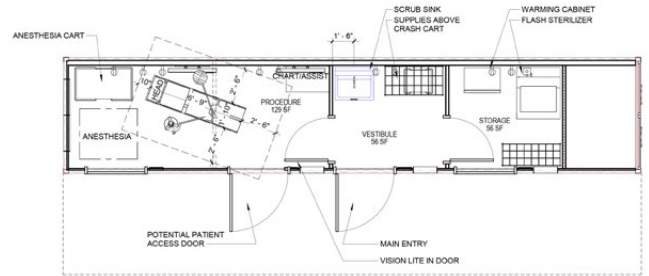
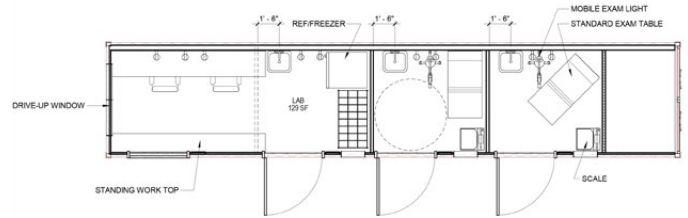


MC3-RR EQUIPMENT LIST PER CARE UNIT-B

R1,2

LAB/WORK

- REFRIGERATOR/FREEZER, UPRIGHT
- REFRIGERATOR, UPRIGHT, CLINICAL
- REFRIGERATOR, UNDER-COUNTER, CLINICAL
- FREEZER, UNDERCOUNTER
- LAB ANALYZER, CHEMISTRY, AUTOMATED
- LAB ANALYZER, URINE
- LAB ANALYZER, GLUCOSE
- LAB ANALYZER, TRACE METALS
- LAB CENTRIFUGE, COUNTER TOP
- LAB MICROSCOPE
- WASTE RECEPTACLE
- WASTE RECEPTACLE, STEP-ON
- DISPENSER, GLOVE
- DISPOSAL CONTAINER, SHARPS
- SAFE



R2,3

EXAM

- TABLE, EXAM, ADULT
- DIAGNOSTIC SET
- STOOL, REVOLVING
- STAND, MAYO
- DISPENSER, GLOVE
- DISPOSAL CONTAINER, SHARPS W/BRACKET
- WASTE RECEPTACLE
- CONTAINER, BIOHAZARD
- LIGHT, EXAM/TREATMENT
- WASTE RECEPTACLE
- DISPENSER, LIQUID, SOAP/ DISINFECTANT
- DISPENSER, PAPER TOWEL

R1,2

MINOR PROCEDURE

- LIGHT, EXAM/TREATMENT
- STRETCHER
- STRETCHER, CHAIR
- TABLE, EXAM, ADULT
- MONITOR, PHYSIOLOGICAL
- KICKBUCKET
- STAND, MAYO
- STOOL, REVOLVING
- RACK, CYLINDER, WALL MOUNTED
- DISPENSER, GLOVE
- DISPOSAL CONTAINER, SHARPS W/BRACKET HAMPER, LINEN
- WASTE RECEPTACLE
- WASTE RECEPTACLE, STEP-ON
- WASTE RECEPTACLE
- CONTAINER, BIOHAZARD
- LIGHT, EXAM/TREATMENT
- WASTE RECEPTACLE
- DISPENSER, LIQUID, SOAP/ DISINFECTANT
- DISPENSER, PAPER TOWEL
- DEFIBRILLATOR, AED
- ELECTROCARDIOGRAPH
- IMAGING, ULTRASOUND SCANNER
- CART, RESUSCITATION, CARDIAC
- DEFIBRILLATOR
- SUCTION MACHINE
- CART, RESUSCITATION, CARDIAC
- CART, CAST
- CUTTER, CAST
- ELECTROCAUTERY UNIT

R1,2,3

SLEEP

- BED, BUNK
- TELEVISION
- TELEVISION ACCESSORY BRACKET, WALL MOUNTED
- COMPUTER
- TELEPHONE
- WASTE RECEPTACLE
- DISPENSER, LIQUID, SOAP/DISINFECTANT



Synergy Med Global Design Solutions MC3/ MC3-RR & Clean Cube Medical System

Manufacturing/Prefabrication facilities



MEDICAL SYSTEM

- ★ 20 Unit Capacity Per Month + 240 Units Per Month
- other 2-8 Unit Capacity Per Month + 16 - 64 Units Per Month

Partners:





MEDICAL/ CLINICAL PROFESSIONALS & CLINICAL DESIGN EXPERTS

MEDICAL

Scott Rojas MD Infectious Disease Specialist/Infectious Disease Society of America-Associate Member
American Society of Microbiology Society of Hospital Epidemiology of America

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Michelle L. Wolcott, MD/ Associate Professor and Head Team Physician, Orthopedic Surgeon UC Health

Brian S. Cohen MD, BS/ Medical Director/ Orthopedic Total Joint Surgeon Adena MC

Bradley P. Carlin, Ph.D./ Statistic Director/ President and Founder, Counterpoint Statistical Consulting LLC

Alexander Langerman MD, SM, FACS, BA, SM/ Director of Surgical Analytics Lab, Vanderbilt University Medical Center

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SYNERGY CLINICAL

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Senior Legal Counsel Pfizer

Matt Gibbs, BA/ Medical Equipment Planning Ross & Baruzzini-Mitchell Planning

Thomas G. Hudson/ Founder & Executive Chairman of Synergy Med Global Delivery Systems

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