Supplemental Medical Care Units
Crisis Response Now
Permanent Use Tomorrow
the Modular Solution
With the rapid spread of COVID-19, available hospital rooms are decreasing and will soon be facing a critical stage. MMC has created a viable solution to provide substantial resources for hospitals across the country. This will allow those infected with COVID-19 to be treated by professionals in a secure healthcare environment that safely quarantines them, reducing risk of infecting others in need of medical care.

MMC presents an intelligent approach that is high-volume, scalable across the US, maximizes space within each unit, and has the added attribute of mitigating waste and cost to public and private agencies by providing an easy conversion of these units to permanent reuse as supportive housing.
Emergency housing is often manufactured and shipped for the one-time use of the crisis at hand. After the crisis has abated, the unit is either disposed of or liquidated at a loss. MMC’s modular solution produces units that can be used to temporarily address the emergency need and then shipped to a permanent location to be used for affordable housing or supportive housing solutions.

**Typical Emergency Housing Life Cycle**

*up to $65,000 per trailer*

1. **Manufacture**
   - 10 days
2. **Transport**
3. **Use in Crisis**
4. **Dispose or Liquidate Below Cost**

**FEMA has run cost benefit models comparing refurbishment/re-use vs. the cost of selling an MHU. The results typically do not present a positive outcome for re-use when weighed against the distance travelled and the length of time a unit is occupied, which maybe up to 18 months.**

**KBTX has learned the trailers that reportedly cost FEMA around $65,000 each, are now being sold on a government auction website with bids starting as low as $100.**

The modular solution to emergency units provides both lower up-front costs as well as structural resilience allowing for the units to be sanitized and relocated for future use. Rather than being disposed or sold at a loss, emergency modular units can be used to address the need for affordable and/or supportive housing across the nation.

**Supplemental Care**

*from $18,000 per room*

To assist hospitals in need of immediate additional non-critical care space. With future conversion to supportive housing.

**LIFE CYCLE OF MMC SUPPLEMENTAL CARE UNIT**

1. **Manufacture**
   - 10 days
2. **Transport/Install (Temporary Site)**
3. **Transport/Install (Permanent Site)**
4. **Place on Trailer**
5. **Use for Crisis**
6. **Place on Foundation**
7. **Stack Units to Build Supportive Shelter**
8. **Use as Supportive Shelter with Flexible Design**
9. **50+ Years**

Pricing can vary depending upon manufacturing facility. Includes HVAC, Plumbing, Sprinkler, Electrical, Interior Finishes. On-site plumbing connections and common area HVAC and corridor to be completed on site. Furniture, medical technology and installation can be included at additional cost.
Utilizing the MMC partner factories in our network, we will provide a rapid response to the growing need for supplemental care units by hospitals and other agencies across the country.

As COVID-19 cases are rising at a rapidly increasing rate in the United States, we find ourselves in a developing healthcare crisis. This new pandemic will result in the U.S. healthcare infrastructure seeing immediate shortages in hospital rooms for patient care. MMC’s modular units are a fast, efficient and cost effective way to address the need now, before the shortage has begun.

Together, we can have greater impact!
As hospitals become overloaded with COVID-19 cases that need isolation, room to care for noncritical patients will become more challenging to find. The viable solution is separated care facilities to fight against the spread of the virus while also providing space for all patients.

*Each module type available in suite layout or ward layout.*
Supplemental Care Module - Type 3A - Suite Layout*

1. 3'-6" WIDE ENTRY DOOR
2. FURNITURE SUITE (TWIN BED, SIDE TABLE, CHAIR)
3. 5'-0" DIAMETER TURNING RADIUS
4. TV LOCATION
5. 5'-0" WIDE CASEMENT WINDOW
6. TYPE A BATHROOM WITH BARRIER FREE SHOWER
7. GFCI AT WET FLOOR SURFACES
8. SHEET VINYL FLOORING
9. UTILITY CHASE WITH ACCESS PANEL

MODULE SF - 912 SF
- TREATMENT | QUARANTINE ROOMS - 3
- ACCESSIBLE BATHROOM - 2
- FLEX | MONITORING - 1
- FLEX STORAGE - 2

6'-0" EXTERIOR WALL WITH R19 CAVITY INSULATION, PLYWOOD SHEATHING AT EXTERIOR, GYPSUM WALLBOARD AT INTERIOR

Supplemental Care Module - Type 3M - Suite Layout*

1. 3'-6" WIDE ENTRY DOOR
2. FURNITURE SUITE (TWIN BED, SIDE TABLE, CHAIR)
3. 5'-0" DIAMETER TURNING RADIUS
4. TV LOCATION
5. 5'-0" WIDE CASEMENT WINDOW
6. TYPE A BATHROOM WITH BARRIER FREE SHOWER
7. GFCI AT WET FLOOR SURFACES
8. SHEET VINYL FLOORING
9. UTILITY CHASE WITH ACCESS PANEL

MODULE SF - 912 SF
- TREATMENT | QUARANTINE ROOMS - 3
- ACCESSIBLE BATHROOM - 2

6'-0" EXTERIOR WALL WITH R19 CAVITY INSULATION, PLYWOOD SHEATHING AT EXTERIOR, GYPSUM WALLBOARD AT INTERIOR

Supplemental Care Module - Type 1 - Future Use

**SUPPORTIVE HOUSING**

1. 3'-6" WIDE ENTRY DOOR
2. FURNITURE SUITE (TWIN BED, SIDE TABLE, CHAIR)
3. 5'-0" DIAMETER TURNING RADIUS
4. TV LOCATION
5. 5'-0" WIDE CASEMENT WINDOW
6. TYPE A BATHROOM WITH BARRIER FREE SHOWER
7. GFCI AT WET FLOOR SURFACES
8. SHEET VINYL FLOORING
9. UTILITY CHASE WITH ACCESS PANEL

MODULE SF - 897 SF
- TREATMENT | QUARANTINE ROOMS - 5
- ACCESSIBLE BATHROOM - 2

6'-0" EXTERIOR WALL WITH R19 CAVITY INSULATION, PLYWOOD SHEATHING AT EXTERIOR, GYPSUM WALLBOARD AT INTERIOR

**AFFORDABLE HOUSING**

1. 3'-6" WIDE ENTRY DOOR
2. BED AREA
3. 5'-0" DIAMETER TURNING RADIUS
4. TV AND STORAGE
5. 42" OVERALL WIDTH AT WINDOWS FOR FTAC PLACEMENT
6. TYPE A BATHROOM WITH BARRIER FREE SHOWER
7. GFCI AT WET FLOOR SURFACES
8. SHEET VINYL FLOORING
9. UTILITY CHASE WITH ACCESS PANEL
10. LIVING | DINING AREA
11. KITCHEN

MODULE SF - 914 SF
- UNITS - 2

6'-0" EXTERIOR WALL WITH R19 CAVITY INSULATION, PLYWOOD SHEATHING AT EXTERIOR, GYPSUM WALLBOARD AT INTERIOR

*Each module type available in suite layout or ward layout.*
Flexible design allows units to be co-located or stacked up to 3 stories.

25 UNITS, 3 MONITORING STATIONS, 10 BATHS, 2 STAFF BATHS, 1 CLEAN STORAGE, 1 SOILED STORAGE, FLEX STORAGE AND UTILITIES

24 UNITS, 4 MONITORING STATIONS, 10 BATHS, 2 STAFF BATHS, 2 CLEAN STORAGES, 2 SOILED STORAGES, FLEX STORAGE AND UTILITIES

31 UNITS, 6 MONITORING STATIONS, 12 BATHS, 4 STAFF BATHS, 2 CLEAN STORAGES, 2 SOILED STORAGES, FLEX STORAGE AND UTILITIES
Supplemental Care Possible Multiple Building Configurations

12 MODULES - 46 BEDS
0.512 ACRE
89.73 BEDS/ACRE

12 MODULES - 46 BEDS
0.727 ACRE
85.25 BEDS/ACRE

12 MODULES - 46 BEDS
0.600 ACRE
76.62 BEDS/ACRE

12 MODULES - 46 BEDS
0.727 ACRE
85.52 BEDS/ACRE

10 MODULES - 40 BEDS
0.725 ACRE
55.17 BEDS/ACRE

12 MODULES - 50 BEDS
0.418 ACRE
119.75 BEDS/ACRE
100% COMPLETE MODULAR BATHROOM SOLUTION

PLUG & PLAY MODULAR SERVICES
Pre-complete and tested electrical and plumbing assembly ready for seamless connection.

TYPE-I NON-COMBUSTIBLE CONSTRUCTION
Lightweight precision cut steel frames with all service holes and notches pre-cut for easy installation.

IMPERVIOUS AND INERT SURFACES
Lightweight wall construction featuring mold and water resistance with anti-microbial properties.

GLASS FIBER REINFORCED CONCRETE BASE
Lightweight and high-strength monolithic concrete bases with cast-in lifting ferrules, water drainage falls, curved edge perimeter and coving. They are slip-resistant and
Module Use - Supplemental Care Unit (initial use)

Module Use - Supportive & Affordable Housing (future use)
The established industry of modular construction has hundreds of factories nationally, with a coalition of small business factory partners that is growing daily, poised to immediately focus their entire resources to address the U.S. healthcare crisis. Our current coalition factories span across the nation with locations in CA, IN, NC, MI, WI, TX, NY and PA allowing for immediate local and regional response. With thousands of employees primarily located in more rural environments, they are less effected by the spread of COVID-19 providing a more stable workforce for continuous production through the crisis.

The Modular Mobilization Coalition is a group of 25+ small business, modular construction companies with a nationwide network of 25+ factories, a collective 4,000+ employees, and combined annual revenue of over $500MM ready to build a standardized Supplemental Care Unit (SCU). SCUs are designed to address the immediate need for quarantine, patient recovery, and care staff resting rooms that are able to be moved from city to city as the virus peaks and wanes, then can be permanently used as supportive housing after the crisis abates. By daisy chaining these factories together with a single point of contact, we will be able to expedite the build process and output by 2X resulting in units arriving at hot spots within 2-3 weeks.

**Modular Coalition Supporters:**

[Images of modular units and logos of supporting organizations]
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