

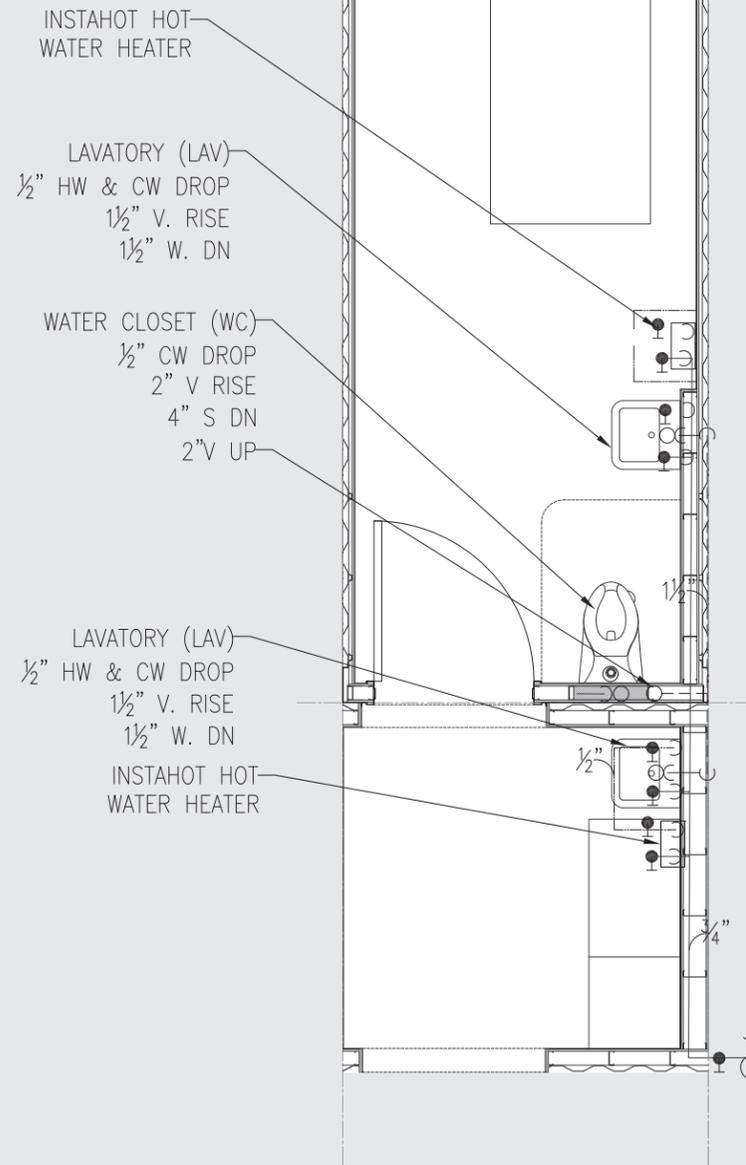
M.I.U. - Mobile Isolation Unit

PURCHASE ORDER

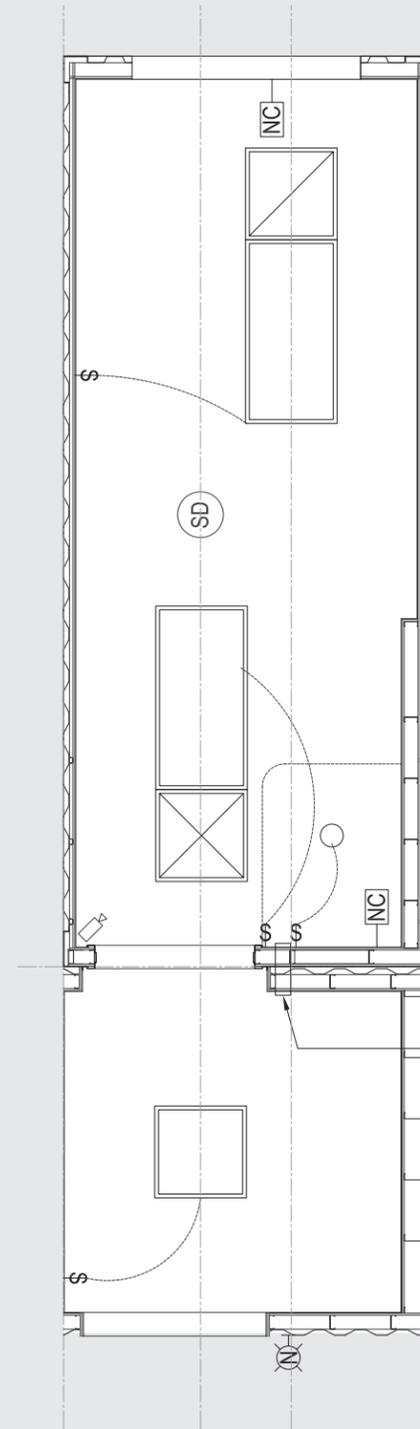
April 6, 2020



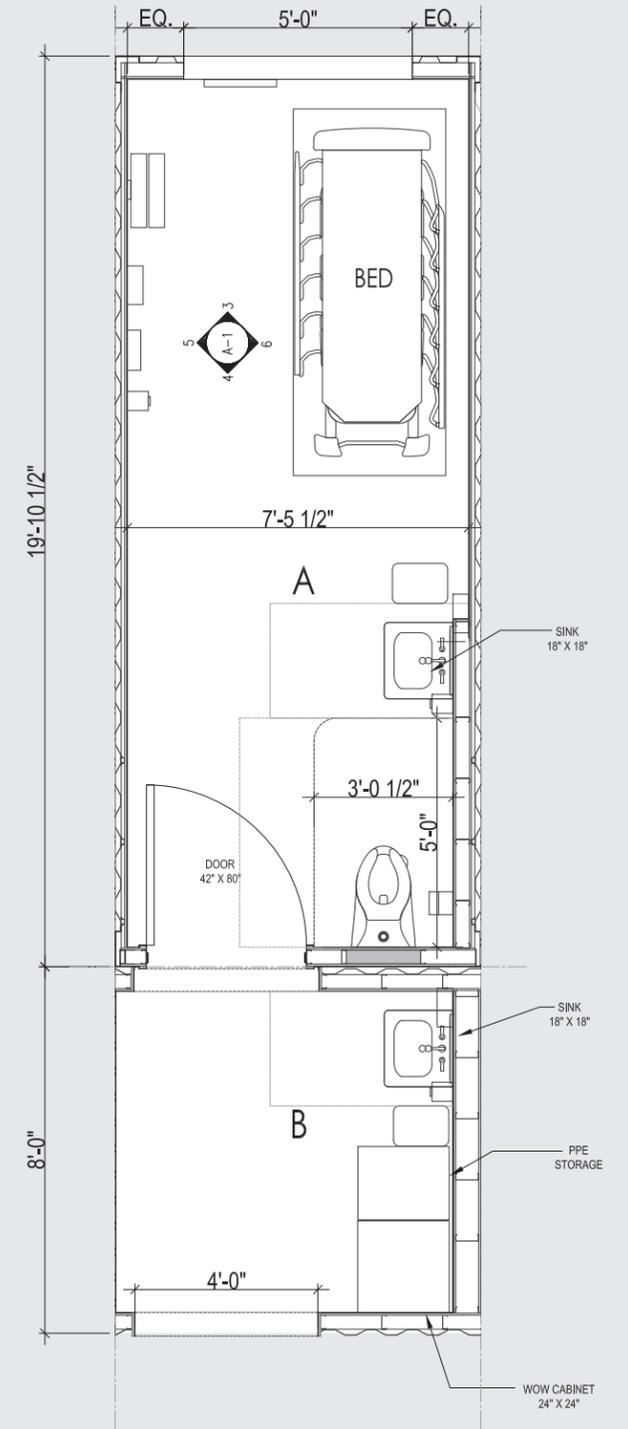
M.I.U. - MOBILE ISOLATION UNIT: PLAN



3 MODULAR UNIT - PLUMBING LAYOUT
A1.0 1/2" = 1'-0"



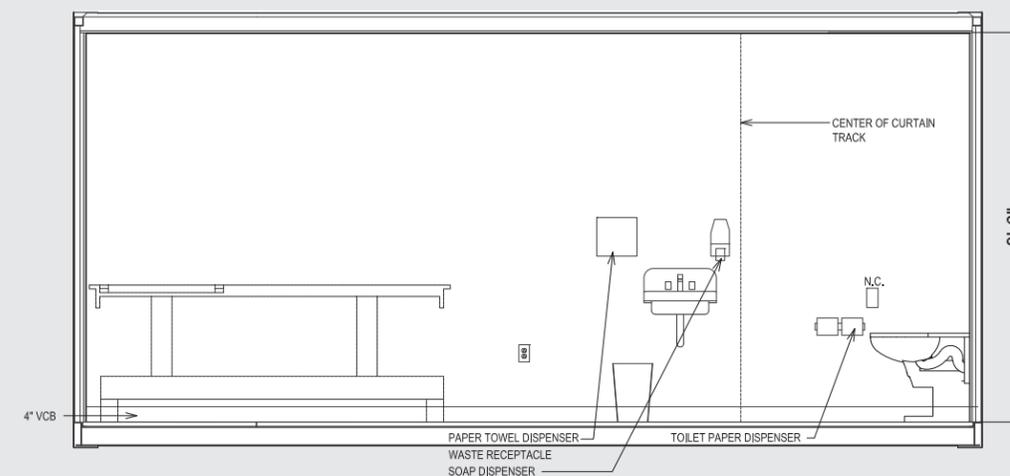
2 MODULAR UNIT - RCP
A1.0 1/2" = 1'-0"



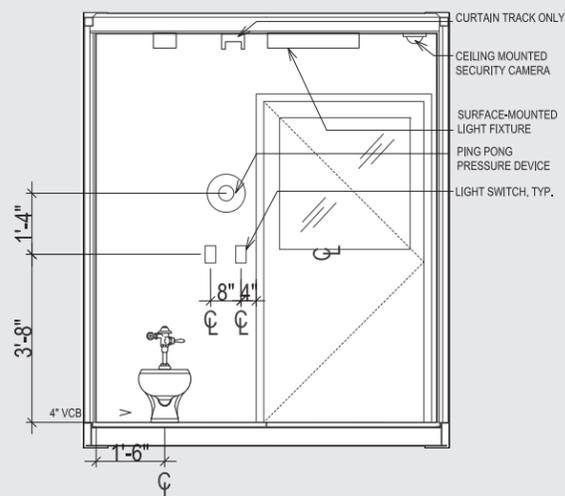
1 MODULAR ASSEMBLY - TYPICAL FLOOR PLAN
A1.0 1/2" = 1'-0"

M.I.U. - MOBILE ISOLATION UNIT: INTERIOR ELEVATIONS

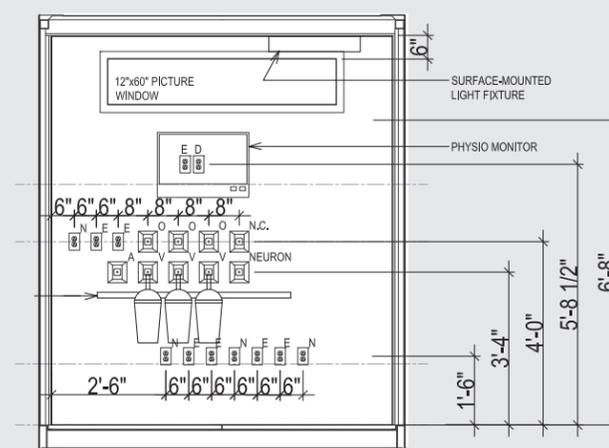
Designed as a flexible and rapidly deployable solution for infection control, the M.I.U. provides a mobile suite of 5 medical isolation rooms that can augment existing hospital facilities or stand on their own. As per Hospital isolation specifications, each suite includes an anteroom and bedroom with negative pressure, as well as full hospital isolation room fit-out including headwall with medical gasses, among others. Power can be provided by generator and water/waste by a water truck and holding tank, which allows them to function in parking lots, city streets, or wherever the end user deems appropriate. These units can be set with a fork-lift which eliminates the need for a crane and dramatically increases the speed of deployment.



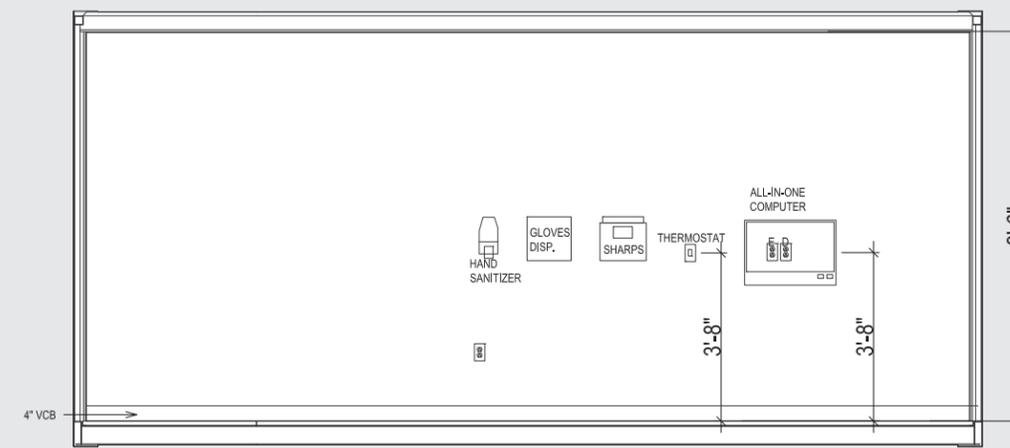
6 ELEVATION @ BEDROOM WALL
A1.0 1/4 = 1'-0"



4 ELEVATION @ DOOR
A1.0 1/2 = 1'-0"



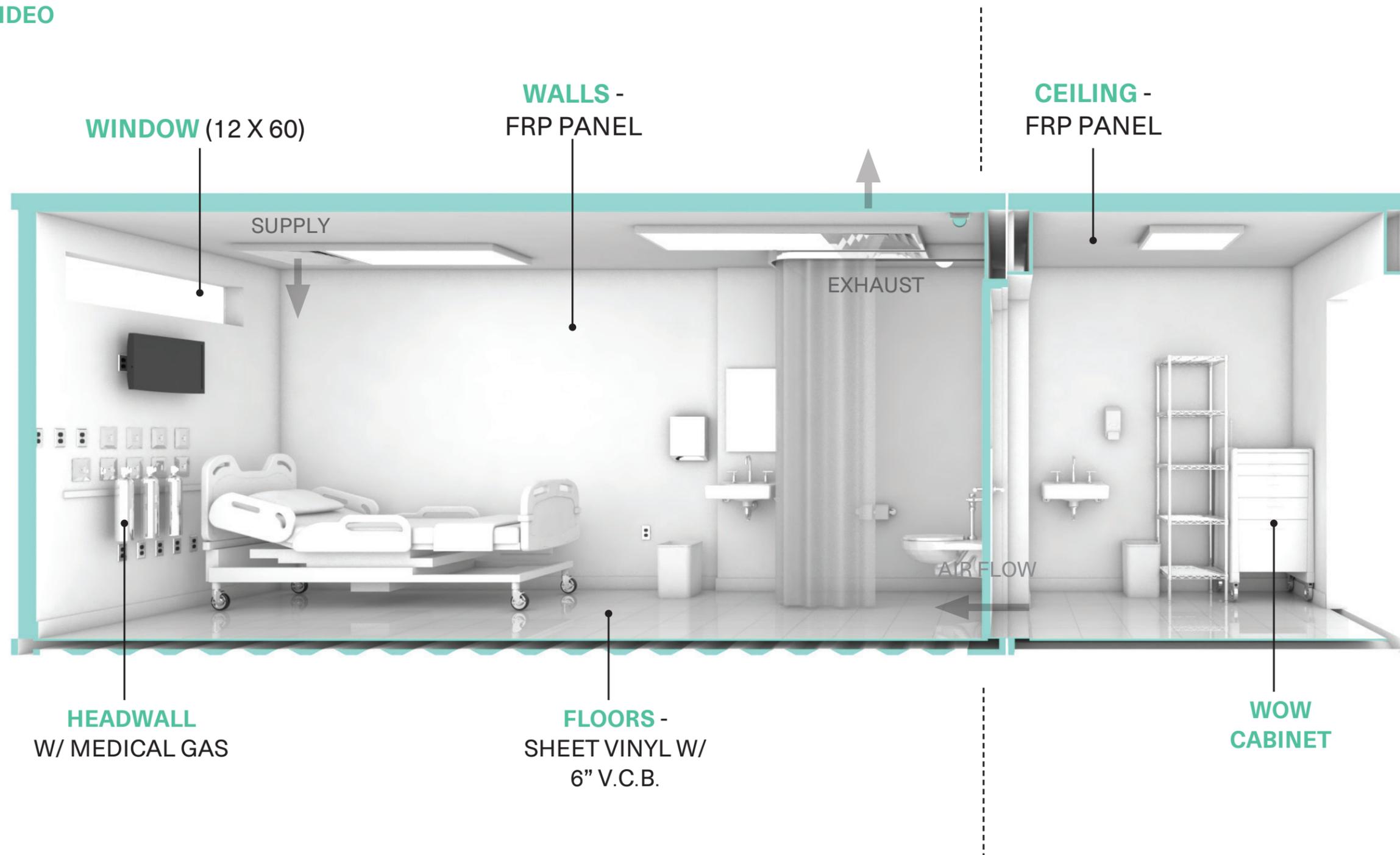
3 ELEVATION @ HEADWALL
A1.0 1/2 = 1'-0"



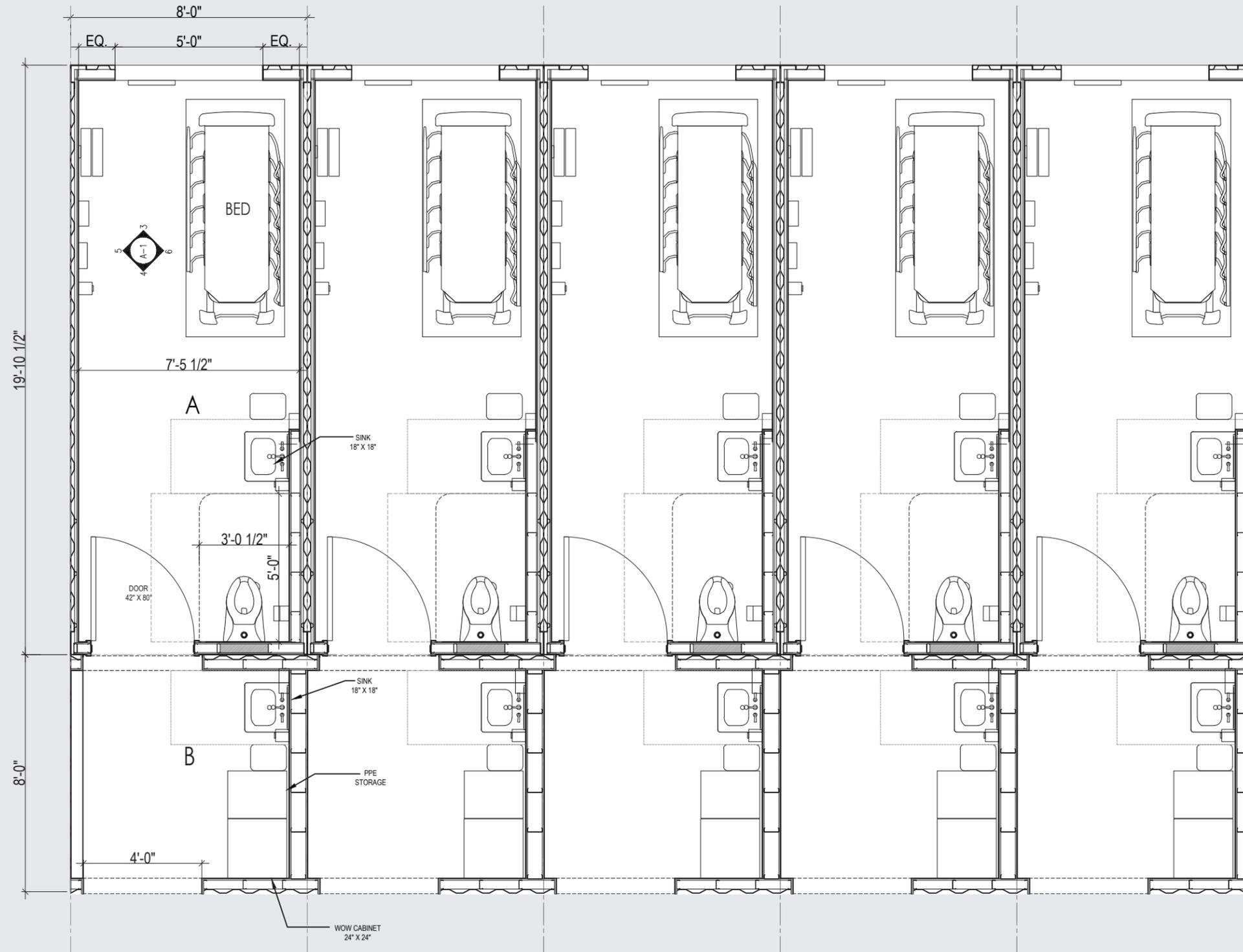
5 ELEVATION @ BEDROOM WALL
A1.0 1/4 = 1'-0"

M.I.U. - MOBILE ISOLATION UNIT: PLAN AND ELEVATION

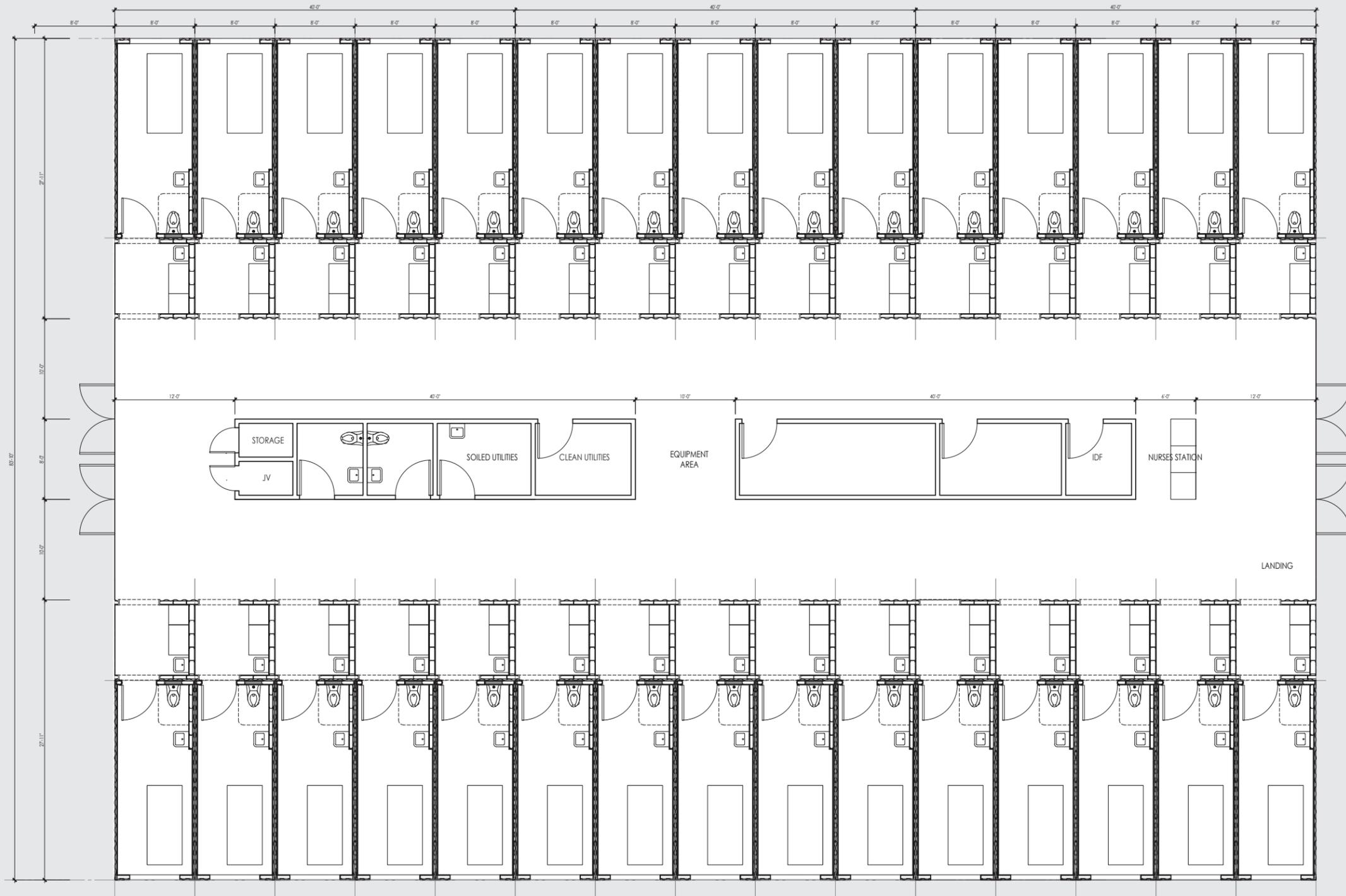
[VIEW VIDEO](#)



M.I.U. - MOBILE ISOLATION UNIT: 5 UNIT ASSEMBLY PLAN



M.I.U. - MOBILE ISOLATION UNIT: 30 UNIT ASSEMBLY PLAN



M.I.U. - MOBILE ISOLATION UNIT: SPECIFICATIONS

Bill of Materials - MedModular 1.0 - MODULAR [Patient + Atrium Room]		
SUB ITEM	Product	Specification
N/A	Polyurethane foam	
Electrical	Electric Metallic Tube 3/4"	
Electrical	12 AWG wire	Green
Electrical	12 AWG wire	Black
Electrical	12 AWG wire	White
Electrical	12 AWG wire	Red
Electrical	12 AWG wire	Brown
Electrical	Wire Molding	Wiremold 500 0.5-in L Ivory Raceway
Ceiling	Ceiling finishing, Dry area	FRP- Crane 7505 4 x 10
Accessories	Toilet paper holder	
Accessories	Soap dispenser	Motion sensor
Accessories	Mirror	Serenity mirror: 30"W x 42" H
Accessories	Grab bar	ADA compliance, 6 pcs. Stainless steel. Solid blocking
Doors	Entry Door	ADA compliant. Automatic
Doors	Bathroom [BR] door handle	Min. w= 915, door wide handle
Doors	Bathroom door	ADA compliant
Electrical	Fire strobe	4x4x21/8 inch back box
Electrical	Fire detector	4-inch octagonal back box
Electrical	Toilet emergency pull station	Nurse
Electrical	Remote emergency pull station indicator light	Nurse
Electrical	Patient duty station	Nurse
Electrical	CATV connection	
Electrical	GFCI duplex receptacle	Normal, Hubbel #GFR8300SG
Electrical	Duplex receptacle with USB charger	Normal, Hubbel #USB8300AC5W
Electrical	Quad receptacle	Normal
Electrical	Quad receptacle	Emergency
Electrical	4-plex adapter plate	White
Electrical	4-plex adapter plate	Red
Electrical	Faucet junction box	Transformer space needed diameter 60mm
Electrical	led night outlet box	
Electrical	Nurse call button	Nurse
Electrical	Data outlet	Nurse
Electrical	CATV control interface and data/telephone jacks	
Electrical	Duplex receptacle	Normal
Electrical	Ceiling outlet box	for nurse components
Electrical	Headwall quadro outlet boxes	4 in square box
Electrical	Wallplate	Receptacle, white
Electrical	Wall outlet box	

HVAC	Heating/Cooling-Mini Split	
HVAC	Supply Fan	
HVAC	Exhaust Fan	
HVAC	Air Filtration - Supply	MERV 14 Rating
HVAC	Air Filtration - Exhaust	HEPA (99.97% @ 0.3um DOP)
Lighting	RA-16	
Lighting	RB-9	
Lighting	RC.53	
Lighting	WB-3	
Lighting	RA-24	
Piping	Connection pipe for faucets	
Piping	Drain pipe for sinks	32mm, 2 pcs
Water equipment	Bathroom sink	Corian 19mm with 100mm backsplash Corian 5610 or equal
Water equipment	Bathroom sink faucet	Wall mounted, sensor control
Water equipment	Toilet	Wall hung toilet
Water equipment	Toilet frame + cistern	GIS wall support + geberit flushing tank
Water equipment	Toilet push button	automatic sensor
Ceiling	Ceiling frame	7/8" Steel Hat Channel
Ceiling	Suspended ceiling sheets dry+wet area	Gypsum board (Purpleboard), 13mm
Ceiling	Suspended ceiling sheets dry+wet, incl. Seams	Gypsum board (Purpleboard), 13mm
Floor	Floor base structure and supports	Existing
Floor	Floor finishing, dry area	VCT - Tarkett 0.1245"
Roof	Insulation for roof	SIP Panel / Thermax
Roof	Module roof steel sheet + structure	Existing
Wall	0,6mm aluminum plate	Existing
Wall	Wall Panel,dry+wet area	FRP- Crane 7505 4 x 10
Wall	Wall Stud	7/8" Steel Hat Channel
Wall	Insulation	SIP Panel / Thermax
Wall	Wall gypsum board	Gypsum board (Purpleboard), 13mm
Equipment	Medical Gases - Headwall	Cradle Assembly

Equipment by Others

Medical	Halos	Hold canisters for suction
Medical	Dirty Linen Container	
Medical	Trash (Red Bag) container	
Medical	Patient Monitors	Phillips: or similar
Medical	Patient Bed	VersaCare Bed From Hill-Rom; or similar W40" x L95"
Medical	Emergency Cart	Detecto Emergency Cart; or similar W 28" x D 21.5" x H 42"
Medical	Procedure Cart	Detecto Procedure Cart; or similar W 28" x D 21.5" x H 42"
Medical	Ventilator	Siemens Maquet Servo-I Ventilator or similar W 18" x H 40" x L 18"
Medical	Medical Gases - Headwall	1 compressed air; 1 for oxygen, 2 for suction

	Scope	Provide Material	Provide Labor	Notes
56	Waterproofing & Flashing: Temporary Mod Roofing Layer, Weather-Proof enclosure for storage & transport	FSM	FSM	
57	Fasteners: Screw, Nails, Staples, etc. and required tooling	FSM	FSM	
58	Doors & Hardware within Mod: Unit Entry Door, Interior Room Doors, Closet Door, Access Panels includes frames and	FSM	FSM	
59	Doors & Hardware at Mateline interface: Unit Entry Door, Interior Room Doors, Closet Door, including frames and	FSM	FSM	
60	Finish Carpentry: Kitchen Cabinet, Countertop, End-Wall Panels, Base trim	FSM	FSM	
61	Stone & Tile: Bathroom wall surround, floor tile, backsplash	FSM	FSM	
62	Rated Sub-Floor Layer: CemDeck/Versaroc	FSM	FSM	
63	Flooring: underlayment, sound absorption, Finish material (Wood Laminate or LVT)	FSM	FSM	
64	Painting: Interior walls and ceiling. Tape, Spackle, and Prime Coat	FSM	FSM	
65	Painting: Interior walls and ceiling. Finish Coat	FSM	FSM	
66	Wall Finishes (other than paint) FRP Only	FSM	FSM	
67	MOD Accessories: Closet Shelf & Rod	FSM	FSM	
68	POD Accessories: Medicine Cabinet, Mirror, towel bar, shower curtain rail, hooks, toilet paper holder, bath fixtures	FSM	FSM	
69	Special Millwork: Built-out Closets	N/A	N/A	
70	Appliances: Refrigerator, Dishwasher, Range, OTR Microwave, Washer/Dryer	Hospital	FSM	
71	Fixtures: Includes sinks, faucets, bathtub/shower units, showerhead, toilet, flush plate	FSM	FSM	
72	Electrical: local panel, all in-unit electrical wiring, outlets, switches	FSM	FSM	
73	Plumbing: All distribution for domestic hot/cold water service, sanitary and storm piping	FSM	FSM	
74	HVAC: Unit equipment within Mod (mini-split) and all local system distribution and returns	FSM	FSM	
75	Fire Protection: Fire caulking as required, sprinkler pipe distribution, sprinkler heads and caps, standpipe	FSM	FSM	
76	Exhaust Systems: Ducting and ventilation systems as required in-unit	FSM	FSM	
77	Low Voltage: In-unit data & cable wiring to data panel, Innerduct only for support of service to unit	FSM	FSM	
78	Low Voltage: Conduit runs ONLY for Fire alarm and Intercom service	FSM	FSM	
79	Public Corridors			
80	Drywall and Framing	FSM	FSM	
81	Cable tray and Supports for MEP	FSM	FSM	
82	Drop Ceiling	FSM	FSM	
83	Painting	FSM	FSM	
84	Finish Flooring	FSM	FSM	
85	Signage: Egress, Wayfinding, Unit demarcation, etc	Hospital	Hospital	
86	Wall Mounted Cabinets (i.e. Fire Extinguishers)	Hospital	Hospital	
87	Stair & Elevator Core			
88	Stairs: Metal Frame egress stairs, handrailing, finish rated wall construction	FSM	FSM	
89	Painting: Interior walls and ceiling. Tape, Spackle, and Prime Coat	FSM	FSM	
90	Painting: Interior walls and ceiling. Finish Coat	FSM	FSM	
91	Finish Flooring	FSM	FSM	
92	Signage	Hospital	Hospital	
93	Service Closets			
94	Electrical distribution from Gen to Modular connection	GC	GC	
95	Data Distribution from closet to connect to Mod	GC	GC	
96	Elevator System			
97	Rated Elevator Shaft	NA	NA	
98	Connection Clips	NA	NA	
99	Elevator Machine Equipment	NA	NA	
100	Elevator Rail System, Cab, Doors, and all Finishes associated	NA	NA	
101	Elevator Machine Room HVAC requirements	NA	NA	
102	Bulkhead Units	FSM	FSM	
103	Modular Mateline Work (On-Site trades to complete Modular portion)			
104	On-site MEP-FP Connections			
105	Mechanical: Mateline splice connections between mods and the Vertical Piping	FSM	GC	
106	Electrical: Connection to main feed, in unit panel, splice between mods	FSM	GC	
107	Plumbing: Mateline splice connections for vertical stacks	FSM	GC	
108	Fire Protection: Mateline splice connections for vertical stacks and horizontal unit runs	FSM	GC	
109	Low Voltage: Installation of Fire alarm and Intercom service On-Site	GC	GC	
110	Installation of roof metal between hallway module and patient rooms.	FSM	GC	
111	On-Site Finish Work - Modular Unit			
112	Gyp Wallboard installation at locations where MEP mateline connections occur between mods/between floors	N/A	N/A	
113	Window Treatments	N/A	N/A	
114	Base & Opening Trim	FSM	GC	
115	Flooring at thresholds, between mods. Fire-rated and Finish flooring	FSM	GC	
116	Cased opening between hallway mod and patient rooms	FSM	GC	



FULLSTACK MODULAR: INTRODUCTION

FULL STACK MODULAR is the leading innovator in end-to-end design and construction of mid to high-rise modular residential buildings in urban areas. Our approach is technology driven, fully integrated and radically efficient. We can build complex projects faster, with less disruption at a lower cost. We also build more off-site and have a higher height capability than all others in the modular construction space in the US. Other advantages include a best-in-class structural system, self sealing facades, tech-enhanced production and our collective bargaining agreement with the Building and Construction Trades Council of Greater New York and Vicinity which makes us the only Union oriented modular builder in the Northeast. Founded in 2016, our company is based in the Brooklyn Navy Yard and we are currently working on multiple project in the Boston-New York-DC Metro Area with plans to expand to the West Coast and abroad.

