

INTENDED PURPOSE	TRIAGE, SCREENING, ASSESSMENT				ISOLATION/ ACCOMODATION		
System Name	BlueMed Negative Pressure/Isolation System (BLU-MED NPIS) (20' x 32.5')	BOXX Modular 'Skidded First Aid' (12' x 60')	BOXX Modular 'Skid Office/Washroom (Temporary First Aid Building)' (12' x 60')	Northgate Industries Ltd. 'Medical Facility' (60' x 60')	Generic Mobile Home (56' x 12')	Grandeur Housing 'Staff Accommodations' featured unit (28' x 67')	Best Buy Homes Inc. 'Yukon Series 143059' (16' x 76') 'Yukon Series 143022' (16' x 60') 'Yukon Series 143000' (14' x 66')
Electricity	Not included Requires a connection to an external power source (e.g. grid or generator)	Not included Requires a connection to an external power source (e.g. grid or generator) 120/240V, 60Hz, 3 Phase	Not included Requires a connection to an external power source (e.g. grid or generator)	Not included Requires a connection to an external power source (e.g. grid or generator) 120/240V, single phase	Not included Requires a connection to an external power source (e.g. grid or generator)	Not included Requires a connection to an external power source (e.g. grid or generator)	Not included Requires a connection to an external power source (e.g. grid or generator)
Electrical Consumption	The Environmental Control Unit (ECU) that is included requires 12 kW of energy Other electronic and medical devices to be used in the tent will consume additional energy				The 100 amp service panel that is included can handle up to 24 kW.		
Potable Water	No interior plumbing This service will need to be provided by other facilities	Interior plumbing included Interior potable water tank included (CSA certified?) Connection to an external potable water supply (e.g. public water system) required	Interior plumbing included Interior potable water tank included (CSA certified?) Connection to an external potable water supply (e.g. public water system) required	Interior plumbing included 1000 gallon external potable water tank included (CSA certified?) Connection to an external potable water supply (e.g. public water system) required	Interior plumbing included 1" service connection for an external potable water supply (e.g. public water system)	Interior plumbing included Connection to an external potable water supply (e.g. public water system) required	Interior plumbing included Connection to an external potable water supply (e.g. public water system) required
Sewage	No interior plumbing This service will need to be provided by other facilities.	Interior plumbing included Separate 1000 gallon sewage tank included (4" inlet connection) CSA certified?	Interior plumbing included Separate 1000 gallon sewage tank included (4" inlet connection) CSA certified?	Interior plumbing included 1000 gallon external sewage tank included (CSA certified?)	Interior plumbing included 2" service connection for an external sewage system (e.g. communal sewage system)	Interior plumbing included Connection to an external sewage system (e.g. communal sewage system) required	Interior plumbing included Connection to an external sewage system (e.g. communal sewage system) required
Heating System	Included: BLU-MED 5-ton ECU 120/208V, 60Hz, 3Phase, 5-wire	Electric furnace	Electric furnace	Bard wall mounted unit Propane and propane tanks not included	Electric baseboard heating included throughout unit		
Cooling System	Included: BLU-MED 5-ton ECU 120/208V, 60Hz, 3Phase, 5-wire	Not included; air conditioning unit is optional	Air conditioning unit is included	Bard wall mounted unit Propane and propane tanks not included	Not included; air conditioning unit is optional		Not included; air conditioning unit is optional
Ventilation*	24 Air Exchanges Per Hour (ACH) Provided by the ECU unit that is included				1 air exchanges per hour (ACH) per room Provided by a mix of natural ventilation, continuous whole house		

					exhaust fan with manual shutoff, bathroom exhaust fan and range hood fan		
Capacity	10 patient cots	3 examination rooms	The open area (247.5 sq.ft) could be used for patient examinations	6 examination rooms	1 Master bedroom + 1 Jack & Jill bedroom	6 dormitory suites	
Bathroom	No; this service will need to be provided by other facilities	Yes but requires connections to external water and sewer infrastructure; shower, toilet, sink	Yes but requires connections to external water and sewer infrastructure; shower, toilet, sink	Bathrooms(s)	Yes but requires connections to external water and sewer infrastructure; bathtub and shower, toilet, sink	6 bathrooms require connection to external water and sewer infrastructure; 6 showers, toilets, and sinks	
Appliances	None	None	Fridge	None	Full size fridge and stove	Space for full size fridge (x2), oven (x2) and microwave (x2)	
Hand Hygiene Station	None; self-contained hand washing station not included	None; self-contained hand washing station not included	None; self-contained hand washing station not included	None; self-contained hand washing station not included	None; self-contained hand washing station not included	None; self-contained hand washing station not included	None; self-contained hand washing station not included
Internet	No	No	No	No	No	No; Communication/data rough-in	No
TV	No	No	No	No	No	No	No
Laundry	No; this service will need to be provided by other facilities	No; this service will need to be provided by other facilities	No; this service will need to be provided by other facilities	No; this service will need to be provided by other facilities	No; however unit is plumbed and vented for optional washer and dryer	Yes; space for washer and dryer	No; this service will need to be provided by other facilities
PPE Station/Lockable Storage	The anteroom can be used for PPE Station Lockable storage (e.g. cabinets) not included	Yes; reception area could be designated as a PPE station and includes a lockable cabinet	Yes; office area could be designated as a PPE station with a lockable door	Yes; two private offices and two locker rooms are available	No; PPE would need to be put on prior to entry into space utilized by infectious patient Lockable storage (e.g. cabinets) not included	Yes; one dormitory could be designated as a PPE station and locked	

*Note: Ventilation requirements depend on the intended purpose of the space and occupancy

For airborne infection isolation rooms (AIIR) the Centers for Disease Control *"Guideline for Isolation Precautions: Preventing Transmission of Infectious Agents in Healthcare Settings (2007)"* recommends 12 ACH for new construction and 6 ACH for existing facilities.

The National Building Code of Canada (Fourteenth Edition 2015) references the Standard CAN/CSA-Z317.2-01 entitled *"Special requirements for heating, ventilation, and air conditioning (HVAC) systems in health care facilities"* which recommends 6 ACH for standard patient rooms.

For rooms and spaces in individual dwelling units with residential occupancy the National Building Code of Canada (Fourteenth Edition 2015) requires natural ventilation for every room and space per section 9.32.2.2. If natural ventilation of the room or space is not provided then mechanical ventilation is to be provided per section 9.32.2.3 (0.5 ACH if the room or space is mechanically cooled in the summer and 1 ACH if it is not). The normal operating exhaust capacity of the principal ventilation fan(s) is defined in section 9.32.3.3.