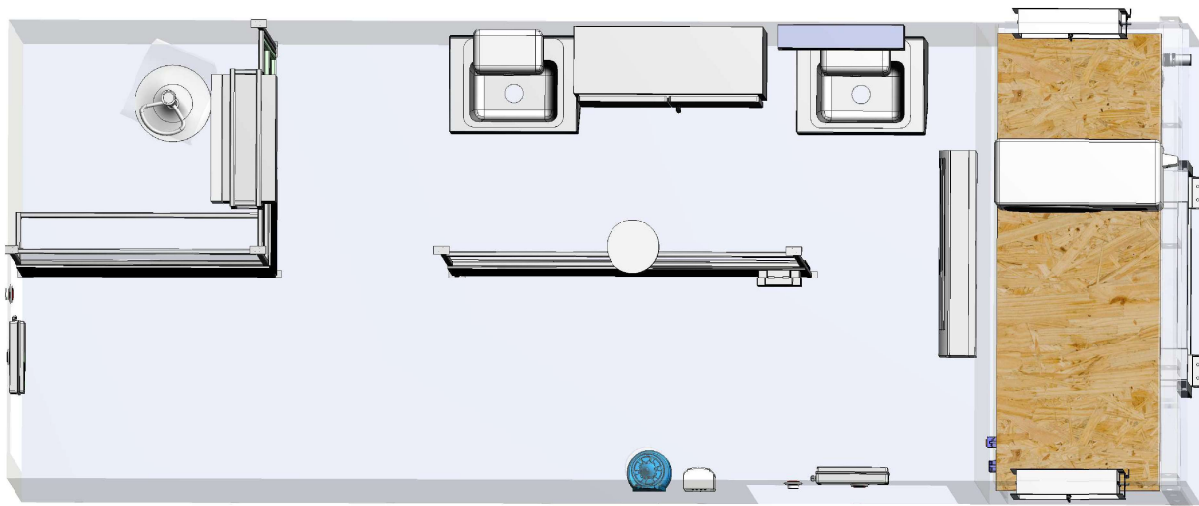
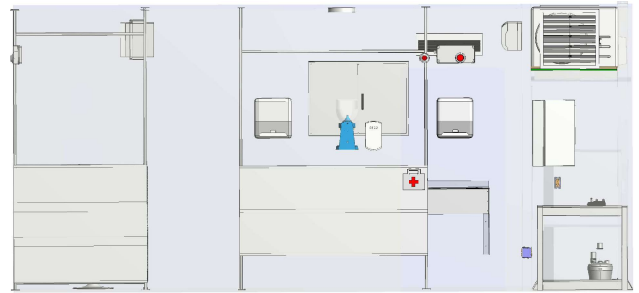


To assist in addressing worker safety due to the current pandemic, DRYAIR was approached to develop a mobile screening and preparation facility, that could be deployed as companies take additional safety precautions in preparing to welcome their staff back to work.

The idea was for a self contained, rapid deployment intermodal solution. The Virus Screening Portal, would provide a dedicated space where workers could be screened for illness and prepare to enter, or exit their workplace through a separate and controlled environment, with all of the necessary amenities to safely address both decontamination and biocontainment.

An entry/no entry light by each door indicates when it is safe to enter the screening room. The screening area could be manned or not, with facilities for checking temperature and responding to a touchscreen health questionnaire. The booth for screening personal features positive air pressurization and HEPA filtration for added safety. After the initial screening area are 2 washing stations, each with a dedicated sink. Partition walls are constructed with clear plexiglass on top, allowing workers to easily follow visual cues for when it is safe to advance to the next station, while maintaining physical distancing. The final station provides an area for workers to put on their PPE before entering the workplace. There are 2 UV-C lights inside that utilize complimentary wavelengths to provide active air and surface disinfection. All interior surfaces are minimalistic and finished with solid surfaces for ease of cleaning.

Virus Screening Portal



## Specifications

### General Construction

- 20' Steel ISBU Shipping Container
- Direct To Metal Alkyd Low Luster Exterior Paint Finish
- HSS/Channel Steel Reinforced openings
- 24 gauge interior steel stud wall and ceiling framed assemblies
- Spray Polyurethane Foam Insulation/Air Barrier to walls and ceiling
- Insulated sub floor
- Healthcare homogeneous sheet flooring
- Hygienic antimicrobial PVC wall cladding systems in clean room area
- Low VOC epoxy paint finishes on wall, ceiling, doors and frames
- Hollow metal door and frames, complete with grade 1 level hardware
- Healthcare homogeneous sheet flooring throughout
- 5.89M/19.3' L x 2.35M/7.7' W x 2.69M/8.8' H
- 3,311kg/7,300lbs dry or 4,309kg/9500 lbs wet

### HVAC System

- HEPA filtration & positive pressurization of screening attendant office
- Thermostatically controlled HVAC system

### Electrical

- 125 amp Panel, 24 Circuit minimum
- Pod disconnect Switch (to be wired on site)
- LED Exterior Lighting
- Indirect UV air disinfection using 254 nm wavelength
- Far UV Technology Krypton light for surface disinfection using 222 nm wavelength

### Plumbing

- 600L/159 gallons of fresh and grey water storage with overflow protection
- City water hookup
- Lift station sanitation drainage into storage tanks
- Tankless water heater set at 40°C/104°F

### Communication

- Wi-fi connectivity



**Heat Thaw Cure Dry**

**1-888-750-1700**

**www.dryair.ca**

DRYAIR Manufacturing Corp.  
400 Service Rd.  
St. Brieux, SK  
Canada, S0K 3V0

## Photo Gallery



The Virus Screening Portal is built using a 20' High Cube sea container making the unit durable and easy to transport and place on site. Red lights above each door can be illuminated by the attendant when the space inside is occupied. Posted instructions and signs provide easy to follow visual cues.



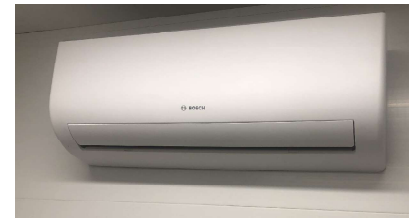
The attendant booth is protected by HEPA filtration and positive pressurization. Entry door lights and the HVAC system can be controlled from inside the attendant booth.



Interior air disinfection provided by 254nm wavelength UVC light.



Interior surface disinfection provided by 222nm Krypton UV light on the ceiling.



Heat and air conditioning can be set from inside the attendant booth by remote control.



Dual stainless steel sinks with soap and towel dispensers. Hand sanitizer dispensers are located just inside both entry doors and inside the attendant booth.



View from inside the entry door of the screening portal.