



Mobile Lab 2.0 Specifications

Weight & Dimensions

Dimensions	Imperial (Inches)	Metric (cm)
Max Height	155	394
Max Width	100	254
Max Length	486	1,234

Weight	Imperial (lb)	Metric (kg)
Weight of lab delivered	33,000	14,969
Weight of the mobile lab after installation	36,000	16,329

Equipment

- Closed-loop cryogenic ethanol extraction system
- Ethanol recovery system
- Distillation system

The mobile lab consists of 3 separate rooms, which contain the mechanical, extraction and distillation areas.

Current Capabilities

- Crude oil extraction
- Ethanol elimination
- Decarboxylation
- Distillation

Utilities (Electrical & Water)

- Two 200-amp supplies (Total 400 amps), 240V (3-phase)
- 240v 3-phase shore power capability and proprietary custom designed, fully automated panel
- C1D2 lighting, plugs, cameras, warning lights, exit lights and air-sensors
- Two 200-amp 3 phase UL approved electrical panels
- Genset capabilities for self-contained power
- CSA / UL approved
- Equipped with ½" / 1.27 cm water line for cold water supply
- Equipped with a 1 ½" / 3.8 cm drain for discharge

Clean Room Construction C1D2 Spec

- C1D2 clean room mobile processing facility designed to meet GPP, cGMP and EU-GMP standards
- FDA approved food grade flooring with seamless covered 6" | 15.24 cm baseboards
- Seamless waterproof wash-down fiberglass panel walls

Heating Ventilation Air Conditioning System (HVAC)

- C1D1 oxygen displacement sensors & C1D1 air flow sensors
- In alignment with Health Canada GPP requirements for air quality and filtration
- Positive pressure, temperature-controlled processing room
- Alarm activated, automatic emergency air exchange that can cycle air in 30 seconds
- HEPA air filter that cleans air intake to the lab, equipped with real-time air quality monitoring and data logging
- Carbon filters that clean exhausted air, reducing odors

Fire Safety



Overview

- C1D1 integrated automatic fire suppression system is installed throughout the lab
- All building materials are non-combustible
- Built to meet North American AHJ (*Authority Having Jurisdiction*) fire regulations
- Doors are all fire rated steel doors and are equipped with triggered automatic door closures
- Fire-rated sliding door separating extraction and distillation rooms
- There are three different room within the unit. All electrical transits are sealed with a 4 hour burn rating
- Dampers are installed in HVAC system reduce the spread of fire
- Mobile lab can contain up to 75 gal | 284 L of food-grade ethanol, in a closed loop, cryogenic system that takes the ethanol below -40 Fahrenheit | -40 Celsius

**Available to assist partners on requirements to meet regulatory standards / codes*

Ethanol Detection

- Extraction and distillation room contains 2 C1D1 ethanol sniffers that will detect unsafe level of ethanol triggering a 'process stop' that will;
 - Signal alarm & stop all equipment
 - Release all door locks
 - Start emergency air exchange

Integrated Fire Suppression System

- Each of the 3-rooms in the lab are equipped with integrated automatic fire suppression that meets the following certifications.
 - MED, NEC, OSHA
 - NFPA 58 and 70 2014
 - International Fire Code 2015
- Smoke detectors and manual pull stations are in each area.

Integrated Fire System Information

- The system uses multi-purpose *Dry Chemical Fire Extinguishing Agent*.
- The integrated system holds UL listings and FM Approvals as a pre-engineered system. Systems designed and implemented according to the following:
 - NFPA Standard 17, “Standard for Dry Chemical Systems”
 - NFPA Standard 33, “Standard for Spray Applications Using Flammable or Combustible Material”
 - Other applicable NFPA standards as required for a particular application and design, including, but not limited to, NFPA 70 (NEC) and NFPA 72, Fire Alarm Standard.
 - The Design, Installation, Operation, and Maintenance Manual indicated on the cylinder nameplate.
 - Any other standards enforced by a local AHJ (*Authority Having Jurisdiction*).

Security



SECURITY

- Our security systems were developed in collaboration and guided by the world's leading authorities, Cannabis Global Consultants (Hyde Advisory & Investments Inc), and Eurofins.
- The lab is equipped with a 24/7 monitored alarm system for fire, theft, and break-in, plus a wearable panic alarm for operators -- *continually monitored alarm system contracted by 3rd party vendor.*
- Five external cameras and internal C1D1 cameras and monitors that are recorded to cloud storage.
- Entry doors are locked both with standard manual door locks, plus both internal and external swipe-access electronic mag locks, integrated into the fire system to unlock in the event the fire alarm is triggered.

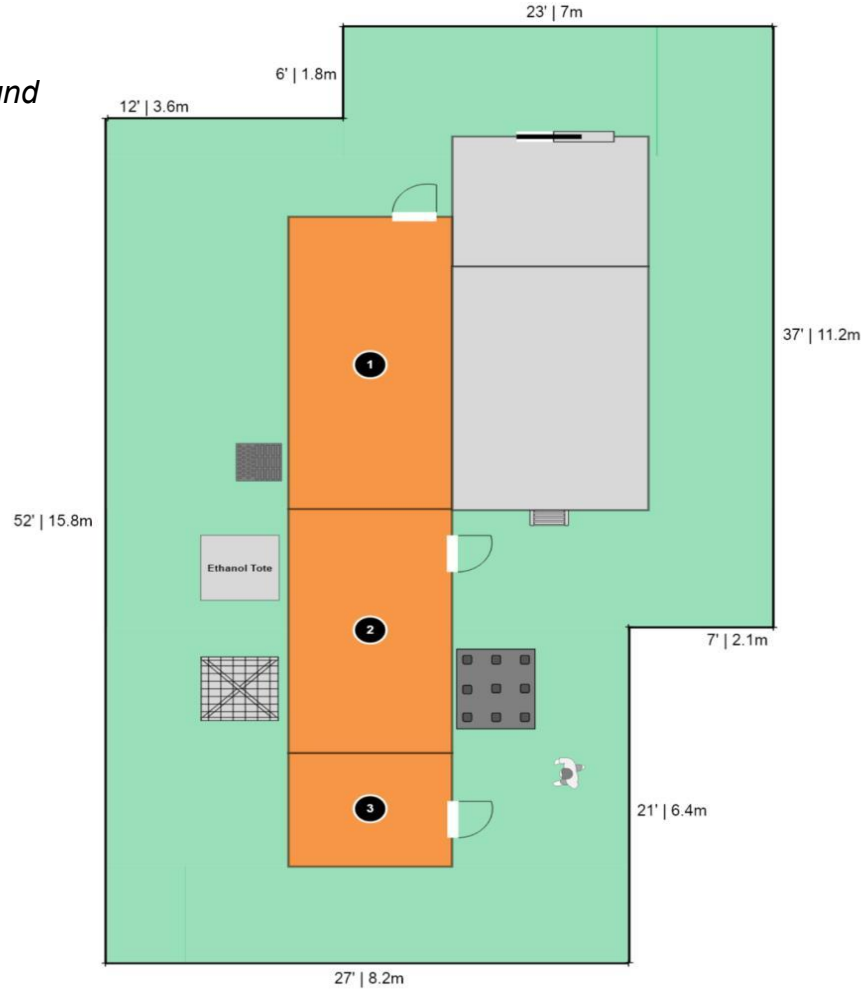
Single Lab Floor Plan Sample



Single Lab Layout

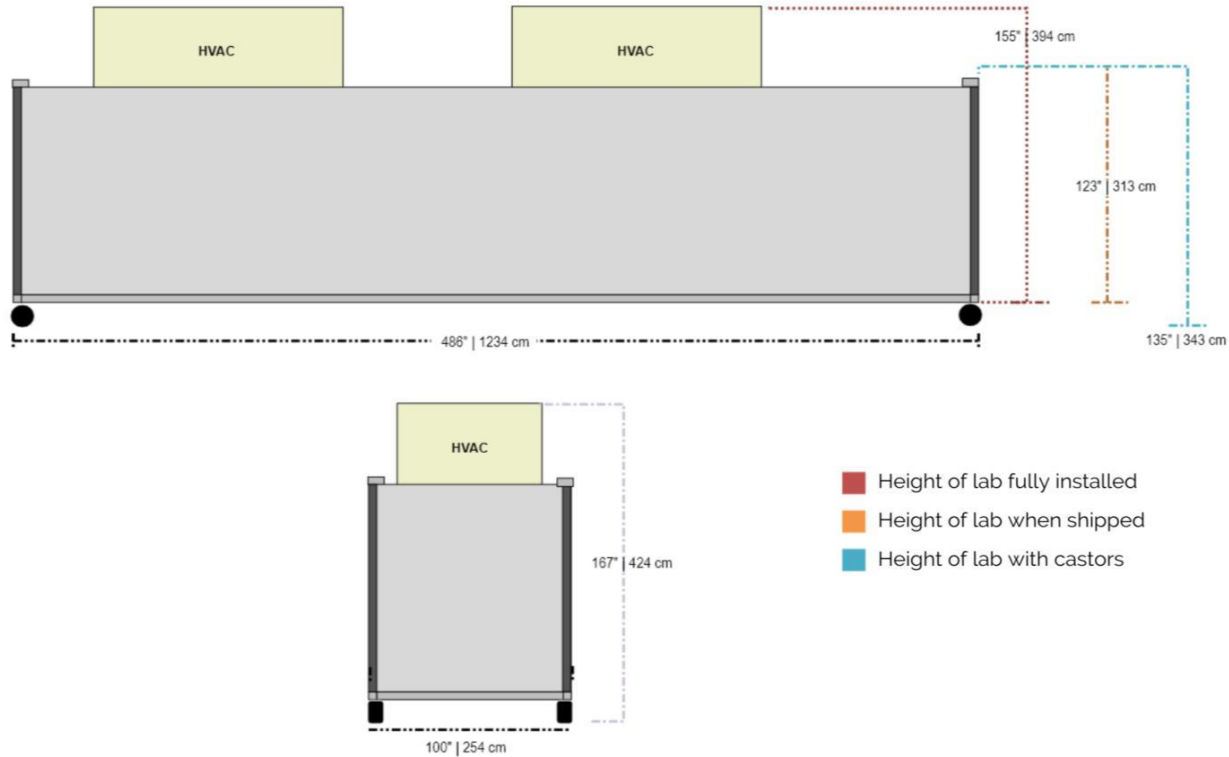
Note:

It is ideal to have a minimum of 60" / 152cm around to lab to allow for ease of movement



Mobile Lab Configuration Measurements

Note: The casters used to move the lab into place add 12" / 30cm of height to the unit



Minimum Door Height Requirements

Outside roll-up door at extractX partner facility





**Thank you for your
consideration**

Disclaimer: This Presentation is for informational purposes, extractX is continually improving its capabilities the content of this document is subject to change

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