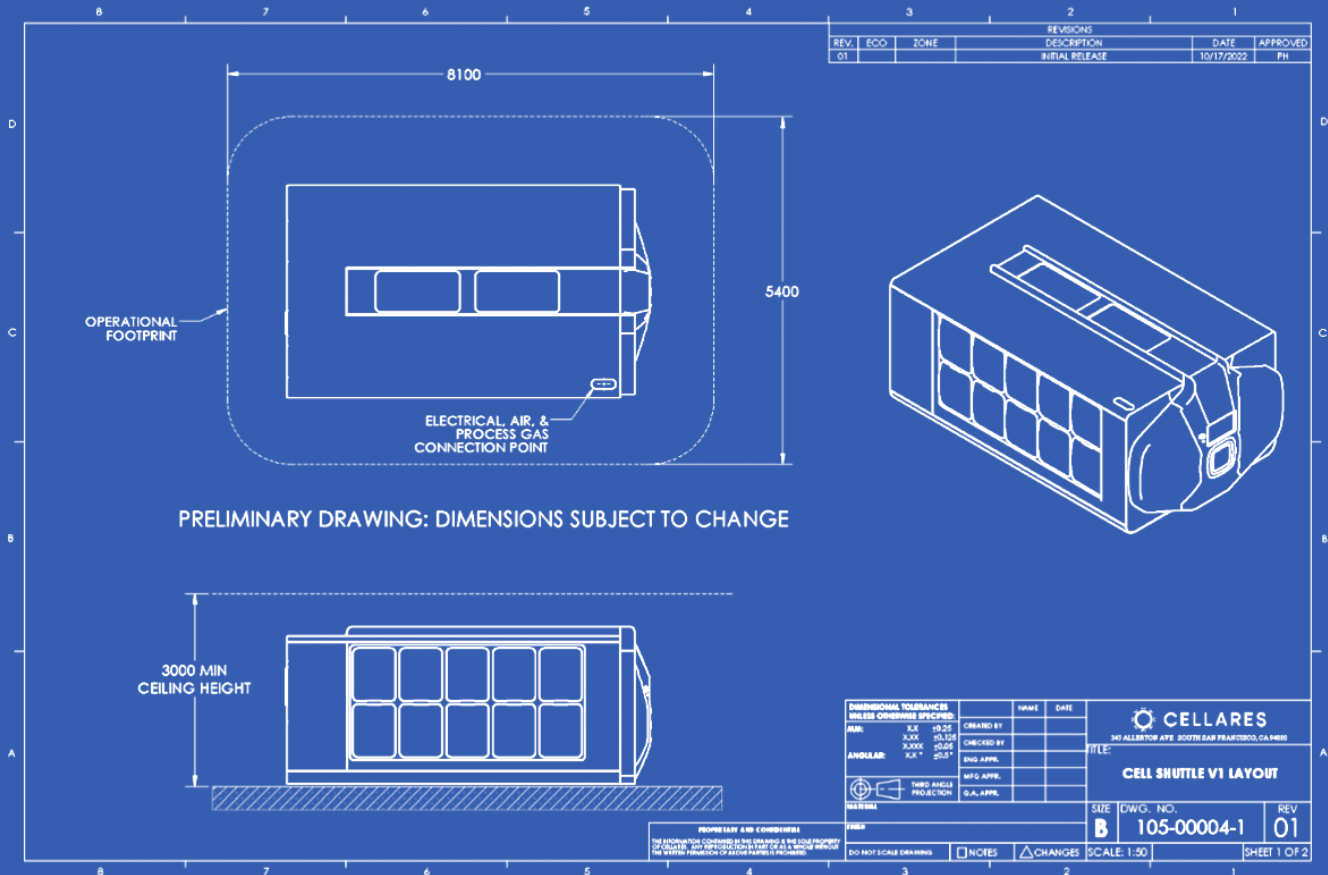


Cell Shuttle Facility Requirements

October 2022



Operational Footprint: 5.4 m x 8.1 m (incl. ~1m service & maintenance clearance on all sides)

Minimum Ceiling Height: 3 m

Dry weight: 6500 kg

Anchoring: Concrete slab with 5" min. thickness
2500psi min. strength



Electrical Requirements

Voltage and Frequency: 208 VAC 50/60Hz (wye 4-wire plus earth)

Maximum phase-to-phase current draw: 80 A at 208 VAC

The user's facilities shall supply each Cell Shuttle with stable power, allowing for the following voltage sags:

- ▶ Full voltage loss for up to 17 ms
- ▶ 50% for up to 200 ms
- ▶ 70% for up to 500 ms

Cellares will work with the customer to specify a UPS if required.

The actual power consumption will depend on the selection of instruments and the individual instruments' power requirements.



Other Facility Requirements

Gas Supply

CO2 - 85 PSI recommended, [50 PSI min - 130 PSI max]

N2 - 85 PSI recommended, [50 PSI min - 130 PSI max]

CDA (clean dry air, quality ISO 8573 [1:2:1])

- ▶ Pressure: 85 PSI min, 130 PSI max
- ▶ Flow: 50 SLPM peak, normal operation ~15-20 SLPM.

Data/Network Requirements

2x Ethernet connections, 1000 Mbps, Internet-connected

Customer to supply physical network drop with 2 x RJ45 ports terminated at the machine.

Environment

Cell Shuttles are intended for deployment in CNC rooms within the following range of environmental parameters:

Temperature: 18C - 25C (64F-75F)

Humidity: 30-70% RH

Site Altitude: 0-1800m (6000 ft)

Disclaimer: The specifications and information contained in this document are for planning purposes only and subject to change.