

**STATE OF ALASKA ITB #2023-2000-0218  
AMENDMENT #1**

***RETURN THIS AMENDMENT TO THE ISSUING OFFICE AT:***



Department of Corrections  
Division of Admin Services  
550 W 7<sup>th</sup> Ave, Suite 1800  
Anchorage, AK 99501

**THIS IS NOT AN ORDER**

**DATE AMENDMENT ISSUED: MAY 19, 2023**

**ITB TITLE: HYDROPONIC MICRO-FARM**

**ITB OPENING DATE AND TIME: MAY 23, 2023**

This amendment is being issued to address a Q&A.

**Q:** Is the expectation that this system is new? Converted container systems utilize insulated shipping containers that have been retired from service. Please Specify container grade. E.I., Grade A, B, C, etc. Is a high cube specified? Insulation? Please confirm the foundation system and access.

**A:** Grade A New High Cube Insulated, Pier and Concrete Footing, 12" compacted D1 gravel.

**Q:** Is the smooth white finished FRP Walls interior or exterior cladding? Specify exterior paint.

**A:** Interior smooth white finished FRP Walls. Exterior Marine Grade direct to metal (DTM) waterborne paint Dark Blue.

**Q:** Please define commercial grade or application mills and style.

**A:** One inch T&G Plywood underlayment with grey epoxy painted 16-gauge steel. Rust-Oleum 9100 DTM Primer w/ finish coats w/aggregate - Dura-Shell WB Epoxy or equivalent.

**Q:** Please define the location of the air curtain.

**A:** The air curtain shall be located at the main door.

**Q:** Please confirm the expectation of Electric heat. Please define HVAC requirements. Specify the mini-split and AC Heat pump.

**A:** The majority of the pre-manufactured shipping containers are shipped with an end mounted air conditioner with electric strip heat/humidification/dehumidification. Considering the Alaska environment, DOC will accept a proposal for LP or Natural Gas heat and natural ventilation.

**Q:** Please define the number, size, and locations of the circulation fans.

**A:** Four (4) 300 cfm ceiling hung circulation fans mounted at each end of the container.

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**Q:** The industry has multiple lighting options varying in price and quantity. Can you specify a specific light?  
Please confirm the specs on grow light requirements.

**A:** No, we can't specify a specific light. Suggested LED lighting metrics are acceptable.

**Q:** Please define the capacity and energy efficiency or pints/day required for the humidifier and dehumidifier.

**A:** Maintain relative humidity at 60-70%.

**Q:** Please confirm CO2 generator vs. natural gas.

**A:** CO2 generator.

**Q:** Please define the size of the nutrient tank and material.

**A:** Nutrient Tank size adequate to support 4-Tier growing system.

**Q:** Please confirm 5 vs. 4 tiers growing system - confirm the racking finish specification.

**A:** 5-Tier Growing System.

**Q:** Is the web-based training workforce development training or systems training?

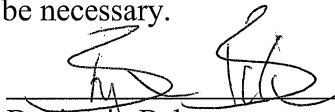
**A:** Systems Training.

**Q:** Please confirm the vestibule is an exterior application. What foundation will it be set on? Access door size and cladding expectations, interior trim, insulation, lighting, and power expectations.

**A:** Exterior application, same foundation as the container, Access door should be the same size as the shipping container entry door. Interior finished similar to container interior finish. Finished floor. Insulated with ceiling lighting and switch. Exterior light above entry door.

**Q:** Water quality tests on Anchorage city water do not indicate reverse osmosis water purification is needed.

**A:** Reverse osmosis water purification will not be necessary.

  
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NAME OF COMPANY

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SIGNATURE

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**FOR STATE USE ONLY - THIS AMENDMENT COVERS PR #20-075-23**