Alcohol and Marijuana Control Office
550 W 7th Avenue, Suite 1600
Anchorage, AK 99501
marijuana.licensing@alaska.gov
https://www.commerce.alaska.gov/web/amco
Phone: 907.269.0350

Alaska Marijuana Control Board

Operating Plan Supplemental
Form MJ-04: Marijuana Cultivation Facility

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What is this form?

This operating plan supplemental form is required for all applicants seeking a marijuana cultivation facility license and must accompany the **Marijuana Establishment Operating Plan (Form MJ-01)**, per 3 AAC 306.020(b)(11). Applicants should review **Chapter 306: Article 4** of the **Alaska Administrative Code.** This form will be used to document how an applicant intends to meet the requirements of those regulations. If your business has a formal operating plan, you may include a copy of that operating plan with your application, but all fields of this form must still be completed per 3 AAC 306.020 and 3 AAC 306.420(2).

What additional information is required for cultivation facilities?

Applicants must identify how the proposed establishment will comply with applicable regulations regarding the following:

- Prohibitions
- Cultivation plan
- Odor control
- Testing procedure and protocols
- Security

This form must be submitted to AMCO's main office before any marijuana cultivation facility license application will be considered complete.

Section 1 – Establishment Information

Enter information for the business seeking to be licensed, as identified on the license application.

Licensee:	Sandor Brown;Elijah Goodfarm;Lily Shimek;Joseph Shimek	**License Number:**	11635		
License Type:	Standard Cultivation License				
Doing Business As:	CloudBerry Partners				
Premises Address:	3307 Spenard Road				
City:	Anchorage	**State:**	ALASKA	**ZIP:**	99503

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Section 2 – Prohibitions

Applicants should review 3 AAC 306.405 – 3 AAC 306.410 and be able to answer "Agree" to all items below.

The marijuana cultivation facility will not:	Agree	Disagree
Sell, distribute, or transfer any marijuana or marijuana product to a consumer, with or without compensation	☑	☐
Allow any person, including a licensee, employee, or agent, to consume marijuana or marijuana product on its licenses premises or within 20 feet of the exterior of any building or outdoor cultivation facility	☑	☐
Treat or otherwise adulterate marijuna with any organic or nonorganic chemical or compound to alter the color, appearance, weight, or odor of the marijuana	☑	☐

Section 3 – Cultivation Plan

Review the requirements under 3 AAC 306.420, and identify how the proposed premises will meet the listed requirements.

Describe the size of the space(s) the marijuana cultivation facility intends to be under cultivation, including dimensions and overall square footage. Provide your calculations below:

Diagram of layout submitted as Supplemental Page 2A to Section3, attached.
The cultivation facility will be divided into four growing rooms. Two rooms will be used for flowering plants. One flowering room will be 21 ft by 44 ft, or approx 924 sq ft. The other will be 21 ft by 42 ft, or approx 882 sq ft.
Clones, mother plants, and vegetating plants will be in two room, one measuring approx. 16 ft by 44 ft, or approx 704 sq ft. The other room will be approx 10 ft by 14 ft, or approx. 140 sq ft.

total flowering area = approx. 924 plus 882 = 1806 sq ft

total area for clones, mother plants, vegetative stages = 704 plus 140 = 844 sq ft

total area under cultivation, all phases = 1806 plus 844 = 2650 sq ft

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Describe the marijuana cultivation facility's growing medium(s) to be used:

We will likely be using both soil and modified hydroponic root mediums, utilizing the separate flowering rooms to test the desirability of different mediums in our facility. After we have made a determination of their relative strengths and weaknesses we will move to growing in a single medium.

Describe the marijuana cultivation facility's fertilizers, chemicals, gases, and delivery systems, including carbon dioxide management, to be used:

We will be using both liquid and solid garden fertilizers in both growing mediums. These fertilizers are essentially a mix, in differing ratios, of nitrogen, potassium and phosphate. The amount and mixture ratios will be adjusted for the stage of plant growth and the nature of the medium (soil vs modified hydroponic).

The delivery system will be primarily drip lines bringing water and fertilizer directly to the plant, where it will either be retained in the soil or drained through the hydoponic root-holding material (generally rockwool).

Atmospheric CO2 will be augmented by CO2 vented into the flowering rooms when it becomes necessary to keep the CO2 level at a desirable level. Marijuana, like most plants, consumes and breaks down CO2 as part of the photosynthesis process, converting it to plant sugars for its own use, and releasing oxygen. Plants that have too little available CO2 fail to thrive. This CO2 will be delivered via compressed CO2 tanks which are commercially available.

Describe the marijuana cultivation facility's irrigation and waste water systems to be used:

The irrigation system will in some cases be by hand (small starter clones) but for the most part by drip lines delivering water to each plant from a holding tank of water and dissolved fertilizing agents. Multiple tanks may be needed to deliver differing fertilizer strengths and mixtures to plants in different modes of growth (e.g. vegetative vs flowering).

Most of this water will transpired into the air through the plant foliage, and retrieved by air conditioners designed to remove excess humidity from the air. This water, which is essentially distilled water, will be disposed of as normal wastewater in the building's wastewater lines and facilities (mop sinks, floor drains, toilets). Excess water draining directly from plantings during and after watering will be disposed of similarly, though normally prepared water can be cycled through the roots several times over a course of time before the nutrient mix is no longer desirable.

Water for irrigation and cultivation will by municipal water which has been processed through a reverse osmosis filter to remove most minerals, salt deposits and disinfectants which are normally found in municipal drinking water. (Full details on Anchorage municipal water is available through AWWU's annual water quality report).

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Describe the marijuana cultivation facility's waste disposal arrangements:

Wastewater from irrigation/watering will be disposed of as stated above.

Wastewater from toilets and wash facilities will be disposed of through the building and municipal wastewater lines.

Solid (non-marijuana) waste will be disposed of by transfer to an on-site dumpster for regular pickup by Alaska Waste, the service provider for this neighborhood.

Marijuana waste (commercially valueless marijuana plant parts) will be ground up and mixed with acceptable waste materials, then disposed of under the regulation (3AAC306.740) as detailed in MJ-01 Section 5, after giving 3 days notice to the AMCB.

Section 4 – Odor Control

Review the requirements under 3 AAC 306.430, and identify how the proposed premises will meet the listed requirement.

Describe the odor control method(s) to be used and how the marijuana cultivation facility will ensure that any marijuana at the facility does not emit an odor that is detectable by the public from outside the facility:

We will be using an industry standard carbon-scrubbing activated charcoal filtering system through which air exhausted from the HVAC/air conditioning system will be vented to the exterior of the building.

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Section 5 – Testing Procedure and Protocols

Review the requirements under 3 AAC 306.455 and 3 AAC 306.465, and identify how the proposed premises will meet the listed requirements.

Applicants should be able to answer "Agree" to the item below.

I understand and agree that:	Agree	Disagree
The board will or the director shall from time to time require the marijuana cultivation facility to provide samples of the growing medium, soil amendments, fertilizers, crop production aids, pesticides, or water for random compliance checks	☑	☐

Describe the testing procedure and protocols the marijuana cultivation facility will follow:

A random sample of each harvest batch of product will be tested by an AMCB licensed testing facility which will perform all tests on the batch required by 3AAC306.645.

Per 3AA306.455, we will segregate harvest marijuana into batches of individual strains of bud and flower, then select a random sample from each batch. We will designate the individual licensee agent who will select the sample, who will be required to prepare and sign a statement stating that the sample has been randomly selected, which statement shall accompany the sample to the test facility. A copy will be retained by us. The sample will be transported under the security and record-keeping safeguards set by 3AAC306.750.

The testing facility will perform all required tests set by 3AAC306.645, which include potency testing for THC, THCA, CBD, CBDA, and CBN, as well microbial testing for unwelcome microbes as listed in 3AAC306.645(b)(2).

No marijuana from these batches will be sold or provided to anyone until the test results have been obtained. The marijana will be segregated and kept secure, dry and cool.

The test results will be retained by us are part of our secured business records.

We will fully cooperate with any random testing required by either the AMCB or its director under 3AAC306.465.

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Section 6 – Security

Review the requirements under 3 AAC 306.430 and 3 AAC 306.470 – 3 AAC 306.475, and identify how the proposed premises will meet the listed requirements.

Applicants should be able to answer "Agree" to the two items below.

The marijuana cultivation facility applicant has:	Agree	Disagree
Read and understands and agrees to the packaging of marijuana requirements under 3 AAC 306.470	☑	☐
Read and understands and agrees to the labeling of marijuana requirements under 3 AAC 306.475	☑	☐

Restricted Access Area (3 AAC 306.430):

	Yes	No
Will the marijuana cultivation facility include outdoor production?	☐	☑

If "Yes", describe the outdoor structure(s) or the expanse of open or clear ground fully enclosed by a physical barrier:

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Describe the method(s) used to ensure that any marijuana at the marijuana cultivation facility cannot be observed by the public from outside the facility:

The cultivation facility will not be open to the public generally. Anyone wishing to visit must enter the restricted area under escort by a licensee agent, who will require acceptable proof of 21 years of age, and entry of name and address into a log book maintained by us.

The interior of the cultivation facility will no be visible to persons outside the building. All windows and door windows will be covered securely.

I certify that as a marijuana cultivation facility, I will submit monthly reports to the Department of Revenue and pay the excise tax required under AS 43.61.010 and 43.61.020 on all marijuana sold or provided as a sample to a marijuana establishment, as required under 3 AAC 306.480.

I declare under penalty of perjury that I have examined this form, including all accompanying schedules and statements, and to the best of my knowledge and belief find it to be true, correct, and complete.

Signature of licensee

Lily Shimek

Printed name

Subscribed and sworn to before me this 31st day of January, 2017.

Notary Public in and for the State of Alaska.

My commission expires: 10-01-2018

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(Additional Space as Needed):

Page 2A, Section 3, attached.

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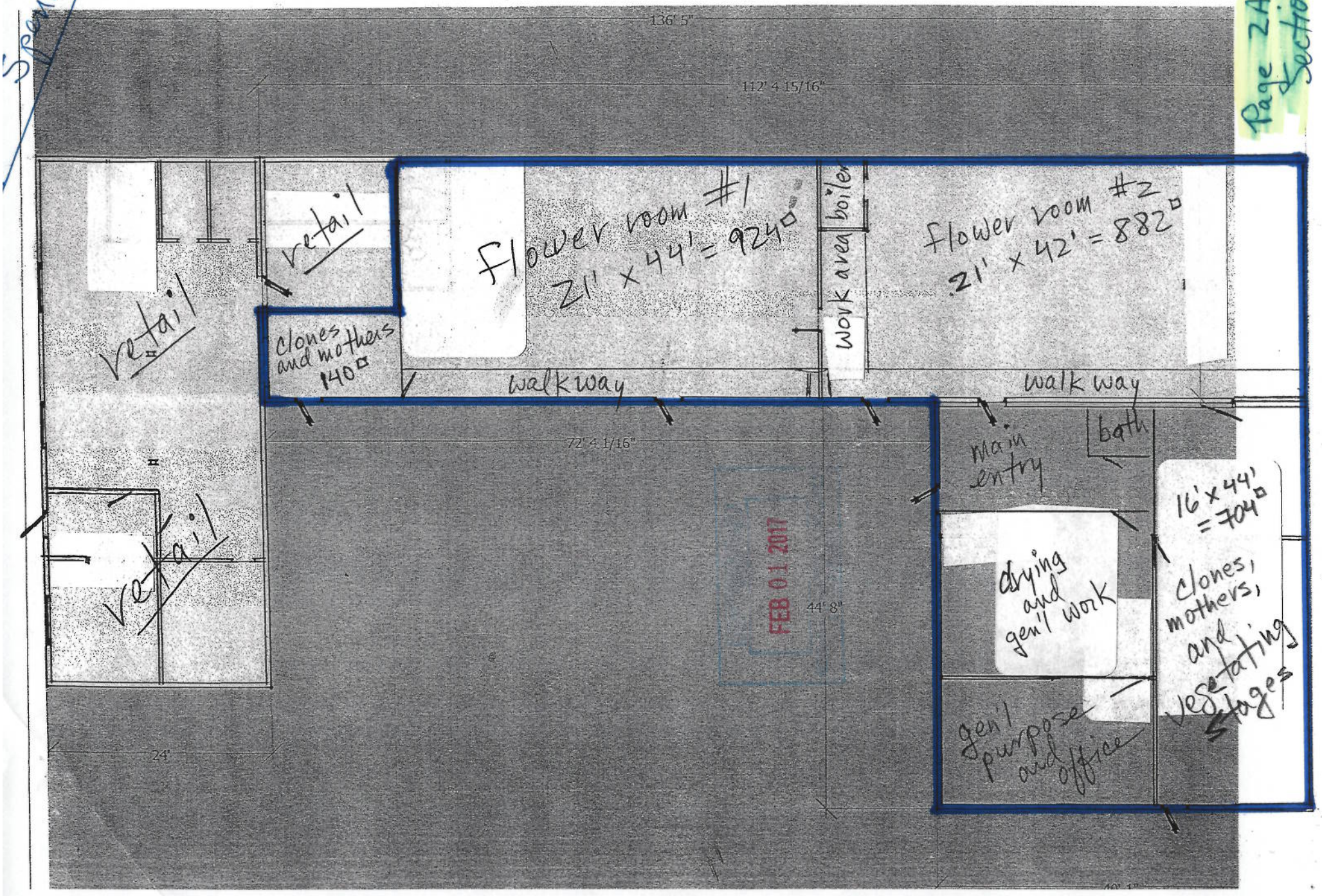
Leonard Rd

= boundary of cultivation license

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