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

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:	S.H.S, LLC	**License Number:**	12037		
License Type:	Standard Marijuana Cultivation Facility				
Doing Business As:	THE FARM				
Premises Address:	20525 Twitty Rd				
City:	Willow	**State:**	ALASKA	**ZIP:**	99688

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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:

The proposed cultivation facility will be an outdoor facility, that crops on a summer seasonal basis. It will consist of hoop houses, a secured office structure, and a secured storage for product housed in an industrial grade connex.
All cultivation (including cloning, veg, mothers and bloom area) will take place in large commercial grade hoop houses that are constructed out of 10 millimeter plastic and steel metal framing rods. The facility will consist of 17 hoop houses that range in the following sizes per hoop house:
Hoop House Number 1: 1000 square feet of total area - apprx 900 sq feet of cultivation.
Hoop House Number 2: 1200 square feet of total area - apprx 1100 sq feet of cultivation.
Hoop House Number 3: 1400 square feet of total area - apprx 1200 sq feet of cultivation.
Hoop House Number 4: 1600 square feet of total area - apprx 1400 sq feet of cultivation.
Hoop House Number 5: 1600 square feet of total area - apprx 1400 sq feet of cultivation.
Hoop House Number 6: 1800 square feet of total area - apprx 1600 sq feet of cultivation.
Hoop House Number 7: 1800 square feet of total area - apprx 1600 sq feet of cultivation.
Hoop House Number 8: 2000 square feet of total area - apprx 1800 sq feet of cultivation.
Hoop House Number 9: 2000 square feet of total area - apprx 1800 sq feet of cultivation.
Hoop House Number 10: 1400 square feet of total area - apprx 1200 sq feet of cultivation.
Hoop House Number 11: 1400 square feet of total area - apprx 1200 sq feet of cultivation.
Hoop House Number 12: 1600 square feet of total area - apprx 1400 sq feet of cultivation.
Hoop House Number 13: 1600 square feet of total area - apprx 1400 sq feet of cultivation.
Hoop House Number 14: 1800 square feet of total area - apprx 1600 sq feet of cultivation.
Hoop House Number 15: 1800 square feet of total area - apprx 1600 sq feet of cultivation.
Hoop House Number 16: 2000 square feet of total area - apprx 1800 sq feet of cultivation.
Hoop House Number 17: 2000 square feet of total area - apprx 1800 sq feet of cultivation.
TOTAL Approximate square footage of cultivation = 24,800 square feet of seasonal (one crop a year) cultivation space.

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

Plants will be started from seed and/or clones (depending on the weather and timing) in the medium known as Royal Gold Tupur Coco mix (which consists of coconut coir fiber from coconuts). The Tupur mix is a coco fiber soil-less medium that is infused with calcium and magnesium. Additionally, depending on the weather, genetics and other factors, the facility will also use rockwool cubes, which are made from a combination of rock and sand that is melted and spun into fibers that are then formed into cubes by the manufacturing company.

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

RLiquid fertilization of an all-purpose type may be given as needed, however the Tupur coco mix identified above has the nutrients needed to fertilize the plants accordingly. Prior to planting out in the field, all plants will be given a root-soak in Maxicrop or a similar organic based root soak. There will be no additionally chemicals, gases, delivery systems, or artificial carbon dioxide management or infusion.

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

The plants will be planted (after the cloning stage) in large planting beds within the Hoop Houses. The facility will use hand watering techniques and/or drip irrigation methods for plants growing in large beds that the plants will be lined within. There will be little to no water run-off from these watering systems. The facility will also use a closed system automated watering system to capture any water and recirculate the water and nutrient solution. All waste water will be stored in a plastic water tank (if there is a sizable amount of run off water to be captured - however, the Tupur mix holds water extremely well so the licensees do not anticipate a large amount of run off water.)

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Describe the marijuana cultivation facility's waste disposal arrangements:

All marijuana marked for disposal will be stored in a secured barrel inside the fenced restricted access area and kept separated from all other products, until it can be disposed of. Marijuana waste must be rendered unusable before disposal to ensure that marijuana and marijuana products are safely kept away from the public. The Farm will ensure that all marijuana is rendered unusable prior to leaving the facility by grinding and incorporating the marijuana waste with either non-compostable or compostable solid wastes so that the resulting mixture is at least fifty percent (50%) non-marijuana waste. Non-compostable solid wastes include paper waste, plastic waste, cardboard waste, and soil. Compostable solid wastes include food waste, yard waste, and vegetable-based grease or oils. Management will ensure that the resulting mixture is composed of no more than fifty percent (50%) marijuana by volume, and will log the composition of the mixture in the disposal log, which will be made available to AMCO upon request. Before disposing any marijuana, The Farm will ensure the Farm manager emails AMCO enforcement three (3) days prior to the destruction of the marijuana to alert them of the same. After destruction, Metrc will be updated to reflect the same. Management will maintain the log on the status of all marijuana waste, tracking the type, date of disposal, date it was rendered unusable, and date that it was transported from the facility to the local waste station by an authorized manager and will ensure a proper trip manifest report accompanies the transportation. Once rendered unusable, marijuana will be securely stored in locked containers located on the premise. All locks will comply with the highest UL standards, and the disposed marijuana will not be stored outside the fence of facility at any time.

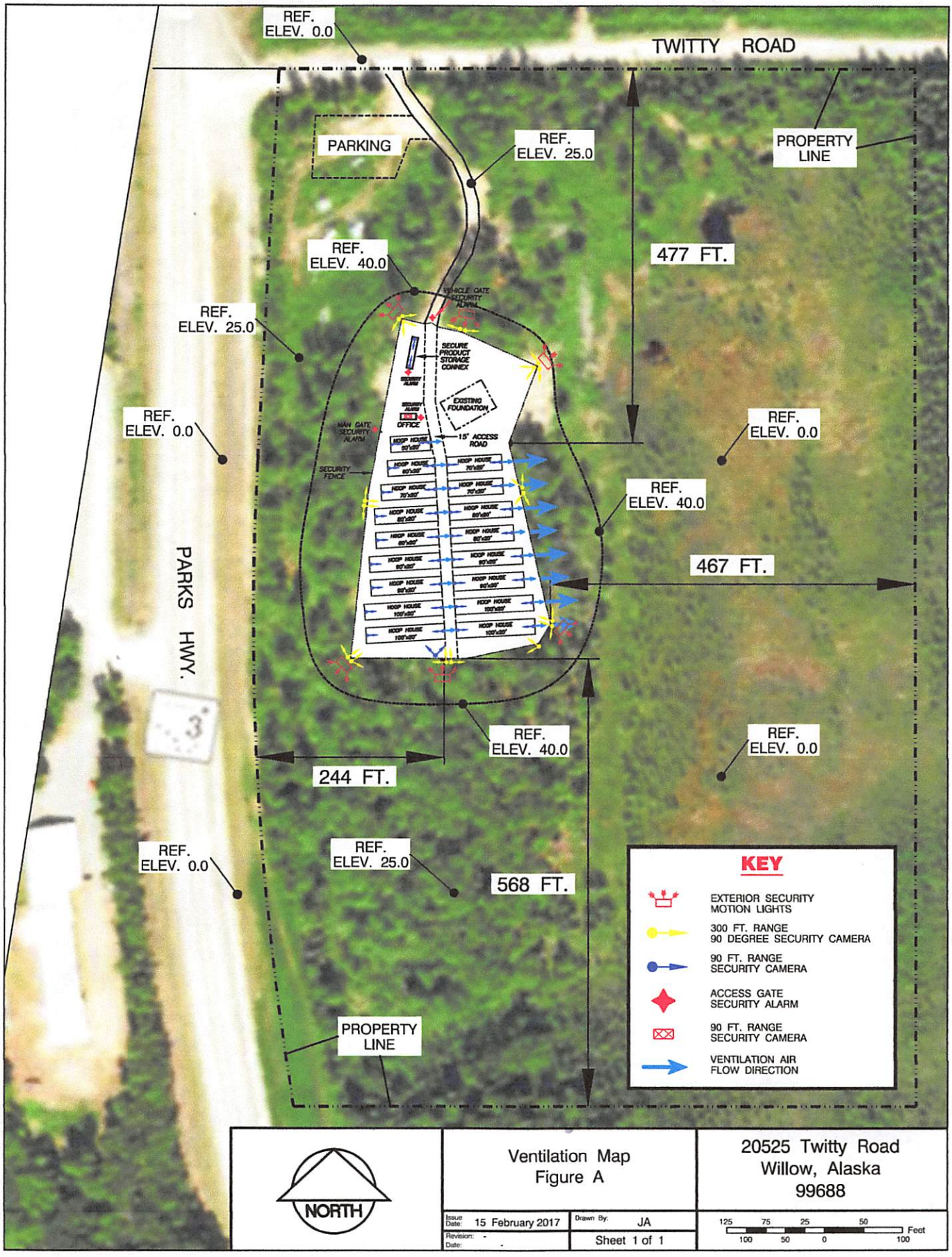
Section 4 – Odor Control

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:

The Farm sits on a 25 acre parcel - the nearest property/public right of way is the Parks Highway which is over two hundred and forty four feet from the 40' industrial fan which is pointed east into the heart of the twenty five acres. See attachment "Ventilation Figure A" to see the orientation of the fenced grow facility and its buffers. To the north hitting Twitty Rd, we have 477' and South to property line we have 477'. Keep in mind we are at a 40' elevation above the pedestrian right of ways and this will be a seasonal summer crop where the warm air rises and the smell currents draft upwards then dissipate into the atmosphere. Our smell altitude should be well above pedestrian smell traces.

Additionally, there is a dense thicket of woods and large brushy trees between the Parks Hwy and the fenced facility that will also act as a smell reducer. The facility, as shown on the aerial depiction attached to MJ02, and is surrounded by dense woods to further mitigate smell.


REF. ELEV. 0.0
TWITTY ROAD
PARKING
REF. ELEV. 25.0
PROPERTY LINE
477 FT.
REF. ELEV. 40.0
VEHICLE GATE SECURITY ALARM
REF. ELEV. 25.0
SECURE PRODUCT STORAGE CONNEX
EXISTING FOUNDATION
OFFICE
MAN GATE SECURITY ALARM
15' ACCESS ROAD
SECURITY FENCE
REF. ELEV. 0.0
REF. ELEV. 0.0
REF. ELEV. 40.0
467 FT.
PARKS HWY.
REF. ELEV. 40.0
REF. ELEV. 0.0
244 FT.
REF. ELEV. 0.0
REF. ELEV. 25.0
568 FT.
PROPERTY LINE
KEY
EXTERIOR SECURITY MOTION LIGHTS
300 FT. RANGE 90 DEGREE SECURITY CAMERA
90 FT. RANGE SECURITY CAMERA
ACCESS GATE SECURITY ALARM
90 FT. RANGE SECURITY CAMERA
VENTILATION AIR FLOW DIRECTION
NORTH
Ventilation Map
Figure A
20525 Twitty Road
Willow, Alaska
99688
Issue Date: 15 February 2017
Drawn By: JA
Revision: -
Date: -
Sheet 1 of 1
125 75 25 50 Feet
100 50 0 100

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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:

The Farm will comply with all testing regulations to ensure the marijuana propagated at the facility exceeds the testing requirements for the State. The facility will track each plant's life cycle through Metrc with an assigned record number. All flower bud & trim harvested from the numbered plants will be processed into batches of five (5) pounds and/or up to 50 plants per batch. The Farm will package and will provide transport with a cultivation agent who has a valid marijuana handler's card a sample of each batch produced to a licensed testing facility, and will not sell or transport any marijuana from that batch until the testing has been completed. A cultivation agent will collect a testing sample by segregating harvested marijuana into homogeneous batches of bud and flower, and trim, and will select a random sample from each batch. The individual responsible for collection will prepare a signed statement attesting that each sample was randomly selected, provide a signed statement to the testing facility, to AMCO upon request, and maintain a copy as a business record. The facility will transport all samples to a licensed testing facility in compliance with the state regulations and the company's transportation policies. The facility will maintain all testing results as part of its business records, and enter the results in Metrc. The Farm will fully comply with any request from AMCO for a random sample from any growing medium, soil amendment, fertilizer, crop production aid, pesticide, or water, and shall bear the expense for all such requests.

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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:

The cultivation area of the facility consists of 17 hoop houses and the entire licensed premise is enclosed by a commercial grade, six foot chain link fence that is topped with barb wire, encapsulating the licensed premise. The chain will have industrial fencing cloth weaved throughout the fence to obstruct view from the public.

The fence entrance will be equipped with surveillance cameras and motion detector exterior lighting - it will also have an alarm sensor that will contact the third party monitoring company if the code is not entered prior to the fence being opened. For added security, there will be a steel heavy duty chain locked by three separate pad locks, with three different keys. This is to ensure that only authorized personal gains entry into the facility. The person who enters the fence will need the alarm code and three different keys to gain entry into the licensed premises.
As an added security measure - there will be a cultivation agent onsite during the once a year seasonal harvest period 24/7.

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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:

No signs or advertisements will be placed on the building or its surrounding property which would indicate to the public that marijuana is being grown within the facility. The Farm will only display signs indicating the physical address of the building and "No Trespassing" "Authorize personal only" and "Restricted Access Area". The fencing cloth will ensure that all activity conducted inside the facility will not be able to be viewed by the public from the outside of the fenced facility. All loading of marijuana for shipment will take place inside the fenced area, obstructing all public viewing. All vehicles owned and used by company agents will be discrete and unmarked, giving no indication that they are traveling to and from a cultivation facility. When being transported, all marijuana products will be securely packaged, in an solid colored container that is lockable, labeled, and organized in a discrete manner within the facility before being moved out of the fenced area and will be already loaded in the transport vehicle.

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

William H. Stevens
Printed name

Subscribed and sworn to before me this 15th day of Feb, 2017.

CHARLEMAGNE ESTRADO NOTARY PUBLIC STATE OF ALASKA

Notary Public in and for the State of Alaska.

My commission expires: Nov 25, 2017

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(Additional Space as Needed):