Alcohol and Marijuana Control Office
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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 **Form MJ-01: Marijuana Establishment Operating Plan**, 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 the statutes and 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
- Waste disposal
- Odor control
- Testing procedure and protocols
- Packaging and labeling

This form must be completed and submitted to AMCO's main office before any new or transfer application for a standard marijuana cultivation facility or limited marijuana cultivation facility license will be considered complete.

Section 1 – Establishment Information

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

Licensee:	HE Holdings, LLC	**MJ License #:**		12488	
License Type:	Standard Marijuana Cultivation				
Doing Business As:	ThirdState				
Premises Address:	200 Pheasant Farm Road				
City:	Fairbanks	**State:**	Alaska	**ZIP:**	99712

Form MJ-04: Marijuana Cultivation Facility Operating Plan Supplemental

Section 2 – Overview of Operations

2.1. Provide an overview of your proposed facility's operations. Include information regarding the flow of marijuana from seed or clone to harvest and transfer from your premises:

All marijuana cultivated at ThirdState will be tracked from seed or clone to sale or destruction in Metrc. All plants that reach eight inches will be tagged and assigned a tracking number. Marijuana will be harvested and grouped into batches up to ten (10) pounds of individual strains and will be assigned a Metrc harvest batch number. A random sample will be collected from each batch and sent to a licensed testing facility. The remainder of the batch will be segregated until the testing results are received. A transport manifest generated from Metrc will be sent with each transfer of marijuana to another licensed facility. Marijuana will be sealed in tamper-evident packaging and not containing more than then (10) pound packages inside a tamper-evident, locked storage compartment within the vehicle for wholesale transactions and up to one ounce containers for re-sale by retailers without re-packaging. Package labels will include: (1) the name and license number of the cultivation facility, (2) the date the marijuana was harvested, (3) the harvest batch number assigned to the marijuana, (4) the date the marijuana was packaged, (5) the net wight and the quality of usable marijuana packaged in a standard measure compatible with the inventory tracking system, (6) a complete list of all pesticides, fungicides, and herbicides used in the cultivation of the marijuana.

Section 3 – Prohibitions

Review the requirements under 3 AAC 306.405 and 3 AAC 306.410.

3.1. I certify that the marijuana cultivation facility will not: Initials

a. **sell, distribute, or transfer any marijuana or marijuana product to a consumer, with or without compensation;** HC

b. **allow any person, including a licensee, employee, or agent, to consume marijuana or marijuana product on the licensed premises or within 20 feet of the exterior of any building or outdoor cultivation facility; or** HC

c. **treat or otherwise adulterate marijuana with any organic or nonorganic chemical or compound to alter the color, appearance, weight, or odor of the marijuana.** HC

Section 4 – Cultivation Plan

Review the requirements under 3 AAC 306.420 and 3 AAC 306.430.

4.1. 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:

ThirdState will have one 30' x 100' greenhouse made of 2 layers of 6 mil polysheeting. The greenhouse will be within a secure fenced in area with a 6 foot tall privacy (material covered fencing to ensure sight obscuring).
ThirdState will have an additional 30' x 72' greenhouse make of layers of 6 mil polysheeting within the secured fenced area. In between the two greenhouses and within the secured fenced in area, ThirdState will have a 255' x 102' open area in which to cultivate cannabis.

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You must be able to certify the statement below. Read the following and then sign your initials in the box to the right: Initials

4.2. The proposed area(s) for cultivation are clearly identified on the Form MJ-02: Premises Diagram that is submitted with this application. HC

Answer "Yes" or "No" to the following question: Yes No

4.3. Will the marijuana cultivation facility include outdoor production? ☑ ☐

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

ThirdState will be growing marijuana "outdoors" in greenhouses. The greenhouses are located within a fenced area with a 6 foot tall sight obscuring privacy fence. The open field will also be within the 6 foot tall sight obscuring fence. This fence is covered by a black opaque fabric.

4.4. Describe the method(s) used to ensure that any marijuana at the marijuana cultivation facility, whether indoors or outdoors, cannot be observed by the public from outside the facility:

The indoor facility will not have any openings or windows in which marijuana could be viewed from outside, the outside fenced area to the north of the building will have a 6 foot tall sight obscuring privacy fence as well. There will not be any marijuana grown within this fenced area. There will, however, be unusable marijuana waste stored in the locked dumpster within this fenced area. The greenhouses will be within a fenced area with a 6 ft tall sight obscuring privacy fence as indicated on the plot plans.

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

ThirdState will be using aeroponic cloners and hydroponic mediums such as rockwool and coconut fibers.

4.6. Provide the complete product name and EPA registration # (if applicable) for each of the cultivation facility's pesticide and pest control product to be used. All proposed products must be on DEC's list of approved pesticides in the state of Alaska:

ThirdState does not intend to use pesticides however, if the need arises, ThirdState reserves the right to utilize any of the pesticides that are approved for use on cannabis found on DEC's website.

4.7. Describe all other fertilizers, chemicals, gases, and delivery systems, including carbon dioxide management, to be used at the marijuana cultivation facility:

ThirdState will be using these fertilizers: Cutting Edge Solutions Micro and Bloom, Chemogro and/or Masterblend 4-18-38, Plantation Molasses. ThirdState will also be mixing nutrients with these compounds: Calcium Nitrate, Magnesium Sulphate, Mono Potassium Phosphate, Fulvic Acid, Kelp, and Potassium Sorbate. ThirdState will be using ADEC approved growth hormones for clone rooting. ThirdState will use Oxidate and Regalla as fungicides. ThirdState will also be using chemicals such as pH up and pH down. Any fertilizer or pesticide used will be noted per batch, on our packaging. Co2 burners will be used in our indoor facility. Fertilizers will be delivered via hand watering and through drip irrigation and automated fertilizer injection system.

final corrected-Received by AMCO 12.2.20

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

Irrigation will be provided via hand watering with water wands and through drip irrigation. Any wastewater from our indoor facility will go down the drain into our ADEC approved holding tank. Any wastewater runoff from our greenhouses will be contained and used for fertigation of alternate crops or put down the drain in our indoor facility.

Section 5 – Waste Disposal

Review the requirements under 3 AAC 306.740.

You must be able to certify the statement below. Read the following and then sign your initials in the box to the right: Initials

5.1. The marijuana cultivation facility shall give the board at least three days written notice required under 3 AAC 306.740(c) before making marijuana waste unusable and disposing of it. HC

5.2. Describe how you will store, manage, and dispose of any solid or liquid marijuana waste, including wastewater generated during marijuana cultivation, in compliance with any applicable laws. Include details about the material(s) you will mix with ground marijuana waste and the processes that you will use to make the marijuana waste unusable for any purpose for which it was grown:

ThirdState will dispose of its own non-compostable solid waste into the marijuana waste, and grind both materials together. After the marijuana waste and non-compostable waste have been ground up together, licensees will transport it for disposal to the approved landfill in Fairbanks. Compostable waste will be reused in the hay field. No disposal of waste will take place with out 3 day notice via email to Enforcement, that the disposal will be occuring.
To render the plant waste unusable, ThirdState will grind the waste and then mix it with a 1:1 ratio of non-marijuana waste to marijuana waste. The non marijuana waste will be compostable or non-compostable materials such as; paperwaste, cardboard waste, vegetable grease or oil, yard waste, food waste, so that the mixture is at least fifty percent non-marijuana waste. Once the marijuana waste is ground up it will be put into a trash bag, the contents will be poured into a barrel and mixed with the contents will be poured into a barrel and mixed with the contents of one other equal sized trash bag containing either compostable or non-compostable materials. Once the contents of the barrel are mixed, they will be put into bags and labeled as compostable or non compostable. The non-compostable mixture will be put into the locked dumpster, where it will eventually go to the Fairbanks landfill. The bags of compostable material will be taken and spread over the hay field. ThirdState will strive to use compostable materials as often as possible.

Section 6 – Odor Control

Review the requirements under 3 AAC 306.430.

Answer "Yes" or "No" to the following question:	Yes	No
6.1. Have you received an exemption from your local government for the odor control requirement set forth in 3 AAC 306.430(c)(2)?	☐	☑

If "Yes", you must be able to certify the statement below. Read the following and then sign your initials in the box:	Initials
I am attaching to this form documentation of my odor control exemption from the local government.	☐

If "No" to question 6.1., 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:

ThirdState will be using carbon filtration in the indoor facility. ThirdState has been granted a conditional use permit by the Fairbanks North Star Borough to cultivate in the outdoor greenhouse without the use of odor filtration.

Section 7 – Testing Procedure and Protocols

Review the requirements under 3 AAC 306.455 and 3 AAC 306.465.

You must be able to certify each statement below. Read the following and then sign your initials in the corresponding box:	Initials
7.1. I understand and agree that the board or director will, 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.	HC
7.2. I will ensure that any individual responsible for collecting random, homogenous samples for required laboratory testing under 3 AAC 306.455 will prepare the necessary accompanying signed statement, provide the signed statement to the marijuana testing facility, and maintain a copy as a business record under 3 AAC 306.755.	HC

7.3. Describe the testing procedures and protocols the marijuana cultivation facility will follow:

ThirdState will provide a sample of each harvest batch of marijuana produced at the facility to a marijuana testing facility and will not sell or transport any marijuana until all laboratory testing required under 3 AAC 306.645 has been completed. ThirdState will:
(1) collect a random, homogenous sample for testing by segregating harvested marijuana into batches of individual strains of bud and flower, then selecting a random sample from each batch in an amount required by the marijuana testing facility.
(2) designate an individual responsible for collecting each sample; that individual shall (a) prepare a signed statement showing that each sample has been randomly selected for testing (b) provide the signed statement to the marijuana testing facility (c) maintain a copy as a business record under 3 AAV 306.755
(3) transport the sample to the marijuana testing facility's licensed premises in compliance with 3 AAC 306.750
ThirdState shall segregate the entire batch from which the testing sample was selected until the marijuana testing facility reports the results from its tests. During this period of segregation, the marijuana cultivation facility that provided the sample shall maintain the batch in a locked, cool, and dry cabinet to prevent the marijuana from becoming contaminated or losing its efficacy. ThirdState shall maintain the testing results as part of its business books and records, in hardcopy and on the cloud.

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Section 8 – Packaging and Labeling

Review the requirements under 3 AAC 306.470 and 3 AAC 306.475.

Answer "Yes" or "No" to the following question:	Yes	No
8.1. Will the marijuana cultivation facility be packaging marijuana for a retail marijuana store to sell to a consumer without repackaging?	☑	☐

If "Yes", describe how the marijuana cultivation facility will ensure that the marijuana sold will meet the packaging requirements in 3 AAC 306.470, and provide a sample label that the facility will use to meet the labeling requirements set forth in 3 AAC 306.475:

Marijuana will be packaged for retail in wholesale packages not exceeding one ounce for resale to consumers without additional handling by the retail marijuana store except to add the retail stores own identifying name or logo and license number. The shipping container will have a label stating that a licensed testing facility has tested each batch in the shipment, and list: (1) the date of final testing; (2) the cannabinoid potency profile, expressed as a range of percentages that extends from the lowest percentage to highest percentage of concentration for each cannabinoid listed from every test conducted on that strain of marijuana from the same marijuana cultivation facility within the last three months; (3) a statement listing the results of microbial testing; and (4) a statement listing the contaminants for which the marijuana was tested, including molds, mildew, filth, herbicides, pesticides, fungicides, and harmful chemicals. Any packaging done at the facility will be performed in an area specifically set aside for packaging and monitored with 24 hour surveillance. Continued on page 7....

Answer "Yes" or "No" to the following question:	Yes	No
8.2. Will the marijuana cultivation facility be packaging marijuana in wholesale packages?	☑	☐

If "Yes", describe how the marijuana cultivation facility will ensure that the marijuana sold will meet the packaging requirements in 3 AAC 306.470, and provide a sample label that the facility will use to meet the labeling requirements set forth in 3 AAC 306.475:

Wholesale packages of marijuana will be sold to other licensed facilities in packages up to ten pounds consisting of a single strain or a mixture of strains with strain names identified on the label. Plastic packaging will be heat-sealed without an easy-open tab, dimple, corner, or flap. Packaged marijuana will be stored in a secured area until ready for transport. All packaging will be inspected, accepted or rejected, and recorded in the log, and the licensee(s) or a designated employee will check all final packages to ensure that they will secure marijuana from contamination and not impart toxic or deleterious substances. Wholesale labels will be checked for the date of final testing; (2) the cannabinoid potency profile, expressed as a range of percentages that extends from the lowest percentage to highest percentage of concentration for each cannabinoid listed from every test conducted on that strain of marijuana from the same marijuana cultivation facility within the las three months; Continued on Page 7...

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 AS 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 unsworn falsification that this form, including all accompanying schedules and statements, is true, correct, and complete.

Haley Mae Essig

Signature of licensee

Haley Essig

Printed name of licensee

SEE ATTACHED

Notary Public in and for the State of Texas

My commission expires: 06/24/2024

Subscribed and sworn to before me this 21 day of NOVEMBER, 20 20.

(Additional Space as Needed):

8.1 Continued: Packaging will be uniform with labels secure and prominently displayed. The facility will use certified scales in compliance with the Alaska Weights and Measures Act, and will maintain registration and inspection reports at the facility. After employees package marijuana they will be placed in sanitized, air-tight containers, labeled with all compliant labeling information, and be given a bar-code for the inventory control system. Plastic packaging will be heat-sealed without an easy-open tab, dimple, corner, or flap. Packaged marijuana will be stored in a secured area until ready for transport. All packaging will be inspected, accepted or rejected, an recorded in the log, the licensee(s) and/or an employee will check all final packages to ensure that they will secure marijuana from contamination and not impart toxic or deleterious substances, and no images that appeal to children, such as cartoons or similar images, will be on the packaging. Labels will include: (1) the name and license number of the cultivation facility; (2) the date the marijuana was harvested; (3) the harvest batch number assigned to the marijuana; (4) the date the marijuana was packaged; (5) the net weight and the quantity of usable marijuana packaged in a standard of measure compatible with the inventory tracking system; (6) a complete list of all pesticides, fungicides, and herbicides used in the cultivation of the marijuana. The facility will use certified scales in compliance with the Alaska Weights and Measures Act and will maintain registration and inspection reports at the facility.

8.2 Continued: (3) a statement listing the results of microbial testing; and (4) a statement listing the contaminants for which the marijuana was tested, including molds, mildew, filth, herbicides, pesticides, fungicides, and harmful chemicals. A Metrc generated tracking label will be affixed to each package. The shipping container will have a label stating that a licensed testing facility has tested each batch in the shipment, and list: (1) the date of final testing; (2) the cannabinoid potency profile, expressed as a range of percentages that extends from the lowest percentage to highest percentage of concentration form each cannabinoid listed from every test conducted on that strain of marijuana from the same marijuana cultivation facility within the last three months; (3) a statement listing the results of microbial testing; and (4) a statement listing the contaminants for which the marijuana was tested, including molds, mildew, filth, herbicides, pesticides, fungicides, and harmful chemicals. If a wholesale shipment sold to another licensed facility from a harvest batch that has not been tested for contaminants, a label will be affixed identifying such contaminant.

Retailer: **License No:**
Cultivator: ThirdState **License No:** 12488
Harvest Batch No: **Package No:**
Net MJ Weight: OZ(g) **Strain:**
Testing Facility: **License No:**
THC: **THCA:** **CBD:** **CBDA:** **CBN:**
Microbial Test: **Fungicides:** **Pesticides:** **Herbicides:**
Fertilizers: **Soil Amendment:**

Alaska Safety Warning: Marijuana has intoxicating effects and may be habit forming and addictive. Marijuana impairs concentration, coordination, and judgment. Do not operate a vehicle or machinery under its influence. There are health risks associated with consumption of marijuana. For use only by adults twenty-one and older. Keep out of the reach of children. Marijuana should not be used by women who are pregnant or breast feeding.

*Logo to be added

. Front of Package

window to view product

Strain Name

Indica-Dominant

Net Weight: 3.5 g (0.124 oz.)

PLACE HOLDER FOR RETAILER TO PUT RETAILER STICKER LABEL

Back of Package

Cultivator: ThirdState
License # 12488
HB#: northstarvalley252018
Strain: North Star OG

METRC #: 36B875000036451115AB
Testing Lab: ABC Lab **License #:**
Testing Date: 02/05/2018
Fungicides: None **Herbicides:** None **Pesticides:** None
Cannabinoid Profile:
Total THC: XXXX% **Total CBD:** XXXX% **THC:** XXXX%
CBD: XXXX% **THC-A:** XXXX% **CBD-A:** XXXX%
CBN: XXXX%

Alaska Safety Warning: Marijuana has intoxicating effects and may be habit forming and addictive. Marijuana impairs concentration, coordination, and judgment. Do not operate a vehicle or machinery under its influence. There are health risks associated with consumption of marijuana. For use only by adults twenty-one and older. Keep out of the reach of children. Marijuana should not be used by women who are pregnant or breast feeding.

*or similar format and content

ALL-PURPOSE ACKNOWLEDGMENT

State/Commonwealth of TEXAS)
☐ City ☑ County of Bexar)

On 11/21/2020 (Date) before me, James Wilhelm Davidson (Notary Name),

personally appeared Haley Mae Essig (Name(s) of Signer(s))

☐ personally known to me -- OR --

☐ proved to me on the basis of the oath of _____ (Name of Credible Witness) -- OR --

☑ proved to me on the basis of satisfactory evidence: id_card (Type of ID Presented)

to be the individual(s) whose name(s) is (are) subscribed to the within instrument, and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies) and by proper authority, and that by his/her/their signature(s) on the instrument, the individual(s), or the person(s) or entity upon behalf of which the individual(s) acted, executed the instrument for the purposes and consideration therein stated.

NOTARY PUBLIC STATE OF TEXAS
James Wilhelm Davidson
ID NUMBER
132535817
COMMISSION EXPIRES
June 24, 2024

WITNESS my hand and official seal.

Notary Public Signature: James Wilhelm Davidson

Notary Name: James Wilhelm Davidson

Notary Commission Number: 132535817

Notary Commission Expires: 06/24/2024

Notarized online using audio-video communication

DESCRIPTION OF ATTACHED DOCUMENT

Title or Type of Document: MJ - 04: APPLICATION

Document Date: 11/21/2020 Number of Pages (w/ certificate): 8

Signer(s) Other Than Named Above: N/A

Capacity(ies) Claimed by Signer(s)

Signer's Name: Haley Mae Essig

☐ Corporate Officer Title: _____
☐ Partner – ☐ Limited ☐ General
☐ Individual ☐ Attorney in Fact
☐ Trustee ☐ Guardian of Conservator
☐ Other: _____

Signer Is Representing: SELF

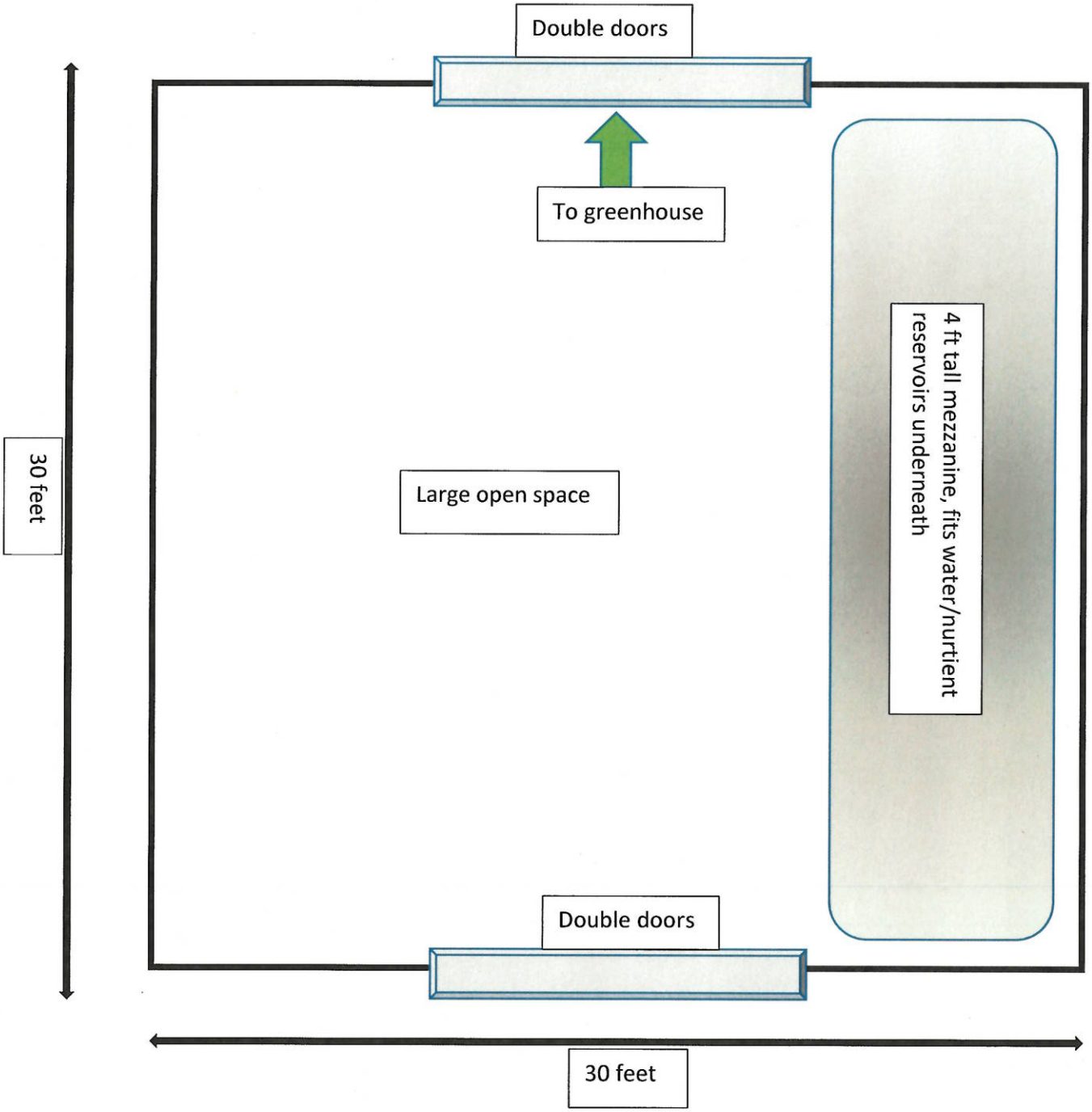
Capacity(ies) Claimed by Signer(s)

Signer's Name: _____

☐ Corporate Officer Title: _____
☐ Partner – ☐ Limited ☐ General
☐ Individual ☐ Attorney in Fact
☐ Trustee ☐ Guardian of Conservator
☐ Other: _____

Signer Is Representing: _____

HEADHOUSE DIAGRAM



Received by AMCO 10.19.20

Second Greenhouse	
Total square Footage: 30' X 72'	2160
Head House Sq footage: 30' X 30'	900

Field	
Total Square Footage: 255' X 102'	26,010

Total Cultivation:	35,125.67

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