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:	Broken Dirt, LLC	**License Number:**	10284		
License Type:	Standard Marijuana Cultivation				
Doing Business As:	Catalyst Cannabis Company				
Premises Address:	5001 Eagle St., Suite B				
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:

The Catalyst Cannabis Co. cultivation facility will be located at 5001 Eagle Street, Suite B, in Anchorage, Alaska. The overall square footage of the leased warehouse space is approximately 4,500 square feet, with our intended space under cultivation approximately 1,710 square feet. Our cultivation space will be broken up into 5 separate rooms: Flower Room A, Flower Room B, Flower Room C, Flower Room D, and a Vegetative Room. Flower Room A will be approximately 504 square feet (18 feet by 28 feet) and have 15 ePapillon 1000W High Press Sodium Doubled Ended light fixtures. Flower Room B will be approximately 504 square feet (18 feet by 28 feet) and have 15 ePapillon 1000W High Press Sodium Doubled Ended light fixtures as well. Flower Room C will be approximately 297 square feet (11 feet by 27 feet) and have 12 High Pressure Sodium Double Ended light fixtures. Our Vegetative Room will be approximately will be approximately 405 square feet (15 feet by 27 feet) and have 18 315W Ceramic Metal Halide light fixtures. Our Cloning/Mother Room will be approximately 170 square feet (17 feet by 10 feet) and have 4 T5 Fluorescent light fixtures for micro-propagation/plant cloning and 3 315W Ceramic Metal Halides for mother plants. The remaining 2,220 square feet that will not be under cultivation will contain a space to dry, cure, and trim/manicure marijuana, workspace to mix nutrients and reservoirs, finished marijuana storage area, administrative office space, a security room, and unisex bathrooms. The working environment and conditions in our cultivation facility will be modeled from traditional horticultural designs while incorporating contemporary healthcare aspects to promote thorough sanitization and cleanliness. All interior architecture and engineering will begin and end with the marijuana cultivator in mind, from the physical workflow logistics of commercial production gardening to storage and plant labor features that safeguard employees and encourage compliance. Fire-rated chemical cabinets and shelving with lip guards will be utilized for all natural and synthetic nutrients, integrated pest management applications, and organic compost teas, all OSHA compliant and in accordance with fire codes. Additionally, the Catalyst Cannabis Co. cultivation facility will have multiple emergency eye wash stations, first aid kits complete with field guide, chemical spill and containment kits, and portable fire extinguishers conspicuously located throughout the building. Our facility will also be equipped with Puradigm air purifiers and scrubbers, cleaning the interior room air reducing airborne mold, fungus, and mildew spores, ensuring a clean crop and a healthy cultivation personnel team.

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

Catalyst Cannabis Co. will be utilizing coconut coir as the choice media for marijuana plant growth during all phases. Marijuana performs best in growth mediums with high nutrient content and excellent porosity. The use of coconut coir will allow Catalyst Cannabis Co. to use minimal amounts of water in the cultivation of marijuana and is also one of the few growing mediums that have natural anti-fungal properties. Coconut coir has a total porosity of about 80%, a water holding capacity of approximately 40%, and an air filled porosity of 13%, 22% when fully saturated. Coconut coir is the most environmentally sustainable media for the continuous commercial growth of marijuana and will have a negligible impact on Anchorage's watersheds and landscape. Catalyst Cannabis Co. will be mixing perlite and coconut coir to improve the overall porosity of the media. Perlite provides space for microorganisms to colonize and spread throughout the root zone, promoting vigor. Cultivating in coconut coir allows the plants to perform better being watered with tap or well water instead of reverse osmosis water systems that have been traditionally used in marijuana cultivation. Reverse osmosis systems can discharge between 4 to 20 gallons of water to produce 1 gallon of filtered water, thus proving to be an unsustainable approach to cultivation. With this in mind, Catalyst Cannabis Co. has solidified our cultivation process using coconut coir grow medium in combination with tap water processed by carbon and sediment filters. By utilizing the coconut coir media, this system has zero water discharge and will allow Catalyst Cannabis Co. to cultivate high quality marijuana with as little water as possible. Additionally, drain to waste cultivation systems with the use of organic and hydroponic nutrients in a biodynamic structure allow for the collection of spilled media, and coconut coir is a media easily cleaned to avoid pest or pathogen contamination from source suppliers and wholesale vendors.

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

We will ensure to establish and implement organizational standard operating procedures to promote good cultivation and handling practices to include all aspects of the fertilizers, biological chemicals, gases, and delivery systems used in cultivating marijuana. Our employees will be expected to understand, articulate, and execute the basic concepts of marijuana cultivation to include chemical attributes, agricultural and horticulture skill sets, cannabinoid properties, and the legal and regulatory compliance practices of cultivating marijuana. Good Agricultural Practices will be taught in concert with our overall organizational protocols as GAP implementation in the cultivation facility will lead to proactive integrated pest management, which will have our employees rotating biological chemical applications for full effectiveness and will overall contribute to creating a garden culture of consistent application, quality control, and institutional compliance. Catalyst Cannabis Co. marijuana cultivation fertilizers and biological chemicals will be applied by hand or with agricultural instruments. Our employees will utilize a range of different products from different manufacturers as each nutrient solution compound will provide a varying form of macronutrients, micronutrients, and soil chelates. Our cultivation and production plan will include varieties that are flowered on different timelines based on plant flower stage duration (8, 9, and 10 week varietals). Our 8 week strains which will be our Kush varietals, and will incorporate the following fertilizers and biological chemicals during its feed schedule: (1) New Millenium Equinox, (2) New Millenium Summer Shift, (3) New Millenium Autumn Gold, (4) New Millenium Ruby Fulvic, (5) Kimitec Espartan, (6) New Millenium Apatite PK, (7) Beneficial Biologic Sea Green, (8) New Millenium Lightning Start, (9) Kimitec Bombardier Sugar, and (10) Guano Company Budswell. Our 9 week flowering strains will incorporate the following fertilizers and biological chemicals during their feed schedule: (1) New Millenium Equinox, (2) New Millenium Autumn Gold, (3) New Millenium Ruby Fulvic, (4) New Millenium Apatite PK, (5) Kimitec Espartan, (6) Beneficial Biologic Sea Green, (7) New Millenium Lightning Start, (8) Azos WP, (9) Kimitec Bombardier Sugar, and (10) Guano Company Budswell. All nutrient mixes will be pH'ed to 5.5 to 6.2 during this cultivation stage and all pH and PPM runoff will be recorded. Our 10 week varieties will incorporate the following fertilizers and biological chemicals during their feed schedule: (1) New Millenium Equinox, (2) New Millenium Summer Shift, (3) New Millenium Autumn Gold, (4) New Millenium Ruby Fulvic, (5) New Millenium Apatite PK, (6) Kimitec Espartan, (7) Beneficial Biologic Sea Green, (8) Azos WP, (9) Kimitec Bombardier Sugar, (10) Guano Company Budswell, (11) New Millenium Lightning Start, and (12) Z7. All nutrient mixes will be pH'ed to 5.5 to 6.2 during this cultivation stage and all pH and PPM runoff will be recorded. Other marijuana cultivation fertilizers and biological chemicals that we intend to have on the licensed premises include product that have been approved for use on marijuana in Colorado, Washington, and Oregon. These products will consist of SM-90, Photosynthesis Plus, Pure Flowers, Essentria IC3 Oil, Mildew Control, SuffoilX, and Triact 70. Catalyst Cannabis Co. will take an environmentally conscious approach to our cultivation practices, as the aforementioned fertilizers and biological chemicals are the cornerstones of our hybridized organic-synthetic feeding regime that incorporates the use of beneficial bacteria, NOP and OMRI certified organic molasses based carbohydrate products, and compost teas while never using plant growth regulator chemicals. All nutrient mixes will be quality assured and measured using pH and PPM measurement tools to allow for plants to uptake at maximum efficiency levels. The only gas that Catalyst Cannabis Co. intends on using in our cultivation facility is carbon dioxide CO2, as a plant growth enhancer. We will engage the services of Anchorage CO2 provider Air Liquide who will professional install, provide, and service our cultivation facility of all of our CO2 needs. Our CO2 supply will be stored in a secured 750 lb. tank located within our cultivation facility and then be piped using durable plastic tubing throughout the facility to the applicable rooms requiring CO2 for marijuana plant growth. Each cultivation facility room will have GreenTrl or similar CO2 regulating device installed in order to regulate and monitor CO2 levels at all times. Establishing best practices for the cultivation and handling of marijuana entails the entire plant life cycle spectrum, including all aspects of macro cultivation and agricultural practices for marijuana plants in the vegetative and flowering phases. All employees will be trained on the overall vegetative and flowering processes, prevalent cannabinoid compounds for particular varietals, flowering times and differences between diverse varietals, environmental considerations, watering frequency and timing, and integrated pest management practices.

The Catalyst Cannabis Co. employee training process will involve physical plant inspections during all growth phases. Plant inspection training will correlate with all anticipated cultivation facility programs involving fertilizers, biological chemicals, gases, delivery systems, and environments to include ideal airflow models, water and nutrient exchange processes, light intensity scaling, CO2 PPM presence, and overall temperature and humidity factors. Employees will be taught how to keep accurate records to learn from successes and failures; track factors that potentially caused changes in the final marijuana flower, and document the appearance and/or spread of disease and/or pests. Catalyst Cannabis Co. cultivation protocols will train employees to keep and maintain detailed logs on the overall daily cultivation environment to include irrigation frequencies, nutrients utilized, and the pH and PPM of effluent water runoff. Employee cultivation education will focus heavily on the watering, feeding, nutrient compounding, fertilization pH presence, and biological chemical science of healthy plant management. Marijuana responds positively to ample light water and CO2 and too much water, CO2, and nutrient feeding can be detrimental to the health of the plant and potentially lead to fungal diseases. Most nutrient product lines require a buffer in the form of acids that are either base or alkaline and different growth mediums require unique pH ranges for optimal growth. Furthermore, our employees will be trained on horticultural practices involving beneficial bacteria and fungus that metabolize minerals and salts into useable plant nutrients. A healthy root zone displays a wide variety of beneficial bacterial and fungal growth and this micro-herd has the ability to break down extracellular material into a useable plant metabolite while also acting as a natural pesticide. Employees will have a good understanding that marijuana is considered to be a heavy feeding plant, requiring more nutrients than most agricultural crops. To this end, Catalyst Cannabis Co. will be implementing a drain to waste system. By allowing excess effluent water to be discharged to waste keeps nutrients from precipitating chemical fixation in the plant root zone. When certain fertilizers, biological chemicals, and gases become fixated in the soil, the mobility of other nutrients and fertilizers are impacted, which could cause nutritional deficiencies that can lead to fungal and/or pest problems. All Catalyst Cannabis Co. cultivation facility employees will be trained on flushing techniques, the process of watering a plant with only H20 in order to "flush" any remaining undesirable chemicals or compounds used during the cultivation process. We will ensure that our employees flush plants for 14 days or at a

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

Catalyst Cannabis Co. will be drawing its water for marijuana cultivation from the Anchorage municipal water utility source and system. To remove excess chlorides that may be present in the water, we will install a Hydro-Logic Tall Boy sediment filtration system. This filtration system will remove up to 90% of sediment larger than 5 microns. The removal of excess chlorides from the water will ensure a vibrant population of beneficial microorganisms in the plant's root system making for more efficient nutrient uptake and cleaner effluent runoff. We intend on implementing a drain to waste system that assists in flushing excess nutrients and to offset that impact Catalyst Cannabis Co. will collect effluent runoff for treatment and reuse where possible. Our filtered water will be held in 275 gallon intermediate bulk containers made of plastic composites that are white or opaque in color with a steel protective cage surrounding the container. Water will be transferred to either nutrient solution containers or into an industrial grade 44-gallon Brute waste receptacle with rolling casters for movement. Catalyst Cannabis Co. intends utilizing trays and tables that have been specifically designed for marijuana cultivation that are made from steel and corrugated plastic and will have a slight grade allowing effluent water to collect into a gutter that then directs all excess effluent water runoff to a dedicated waste drain for collection. With regard to fertilizers and biological chemical disposal, all unused nutrients and approved cultivation liquids will be diluted with the appropriate amount of water before being discharged into a water supply. All fertilizers and biological chemicals approved for use on marijuana and most 25 B exempt products will also be diluted with appropriate amounts of water before being discharged into a water supply. All Catalyst Cannabis Co. employees will be educated and trained to high levels of horticulture sciences comprehension and good cultivation processes that provide safe access to high quality marijuana. Our cultivation facility will be utilizing in one capacity or another drip irrigation and micro irrigation equipment, hydroponic modalities, nutrient film techniques, and aero fogging nutrient delivery systems, but focusing on the hand cultivation and watering for all of our plants.

We will keep onsite records of water quality testing and records will be available for inspection upon Marijuana Control Board or federal, state, or local regulatory agency request such as the Anchorage Water and Wastewater Utility agency. We will monitor onsite effluent with weekly capture and measure protocols. The tests will be supplied by Hydro-Logic systems for onsite testing. The tests will focus on collected effluent from multiple tables and provide readings on: Aluminum, Arsenic, Barium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Nickel, Selenium, Silver, Sodium, Zinc, Chloride, Fluoride, Nitrate, Ortho-Phosphate, Sulfate, Alkalinity, Hardness, pH, Total Dissolved, Solids, Chlorine, Chloramine, Bromate, Chlorite, Bromoform, Bromodichloromethane, Chloroform, Dibromochloromethane, total Trihalomethanes, Monochloracetic Acid, Dichloroacetic Acid, Monobromoacetic Acid, Trichloroacetic Acid, Dibromoacetic Acid , Total Haloacetic Acids, Dibromomethane,1,3-Dichlorobenzene, Dichlorodifluoromethane, 1,1-Dichloroethane, 2,2-Dichloropropane, 1,1-Dichloropropene, 1,3-Dichloropropane, Styrene, 1,1,1,2 Tetrachloroethane, 1,1,2,2-Tetrachloroethane, Tetrachloroethene (PCE), Ethylenedibromide (EDB), 1,2,3-Trichlorobenzene,1,1,2 Trichloroethane, Trichlorofluoromethane, 1,2,3-Trichloropropane, Toluene, Xylene,Methyl Tert Butyl Ether, Methyl Ethyl Ketone,Acetone, Tetrahydrofuran, Vinyl Chloride, Carbon Tetrachloride, 1,2-Dichloroethane, Thrichloroethene (TCE), 1,1-Dichloroethene, 1,1,1-Trichloroethane, Dibromochloropropane (DBCP). Weekly readings will be logged, both by hard copy and digitally in our MJ Freeway GrowTracker software system.

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Describe the marijuana cultivation facility's waste disposal arrangements:

Catalyst Cannabis Co. will ensure that all marijuana plant waste to include roots, stalks, leaves, and stems, otherwise known as Green Waste, will be disposed of safely and securely. It is our intention to engage the waste disposal services of Alaska Waste, who provides commercial waste disposal services to Anchorage. Alaska Waste has a good reputation and professional relationship with the Municipality of Anchorage and the Anchorage division of Solid Waste Services, and has worked cooperatively with these agencies to develop safe disposal practices for hazardous, medical, chemical, and agricultural waste. Alaska Waste provides reliable front load services featuring a variety of sizes of dumpsters, roll-offs, and compactors. Catalyst Cannabis Co. intends on working with Alaska Waste to acquire a 2.6 cubic yard commercial dumpster that features a steel lid and lockable container bar to which only Alaska Waste and Catalyst Cannabis Co. employees will have a key. We will ideally have pick-up service to our cultivation facility twice a week in order to promote waste disposal best practices, focusing on the public safety and security considerations of proper storage and mitigating unauthorized access. Catalyst Cannabis Co. is encouraged that a relationship with Alaska Waste will be obtainable as Alaska Waste already services the area in which the Catalyst Cannabis Co. cultivation facility will be located.

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:

Catalyst Cannabis Co. is committed to being an upstanding and responsible business neighbor and Anchorage community member. To that end, we take odor control seriously and have a comprehensive plan to ensure that any marijuana at our facility does not emit an odor that is detectable by the public from outside the facility. To accomplish this, each flower room will a utilize carbon filtered exhaust system with Can 100 Filters, and Can 12" Max Fans in order to reduce outside odor. These units will run twenty-four hours a day providing odor mitigation and clean air circulation for employee safety. In the trim and dry room, we plan to operate the same Can filters and fans as the flower rooms recirculating the air to reduce the smell and improve air quality. The Can 100 Filter has a maximum recirculating power rating of 1680 cfm and maximum exhaust rating of 840 cfm. The 12" Max Fan from Can Fan provides 1708 cfm to maximize air scrubbing in the facility. These units will be vented from using hard metal ducting to maximize airflow and provide a tight seal. Flexible ducting can rip and easily breaks down over time allowing odor to leak into adjoining spaces and escape from facilities. Catalyst Cannabis Co. plans on hard ducting all carbon filters to minimize all potentially leaked odors. The Can Filters and Max Fans will be unistrut-mounted to the ceiling to pull out hot air and odor. Our ventilation system has been thoughtfully designed, from scrubbing air with activated carbon filters that clean 99.5% of odor from the air to our exhaust process through UL listed ventilation fans. The overhead HVAC ducts will drop cold air into our cultivation facility rooms directly, which will then be circulated and processed by our Can Filters, Max Fans, and Puradigm air filtration system fixtures mounted throughout the cultivation facility. The Puradigm machines we intend on utilizing have proven results in the commercial agriculture industry, healthcare sector, and food processing fields for safeguarding HVAC systems and managing mold, fungus, mildew, and other airborne spores to maintain and ensure environmental contamination control. By utilizing carbon filters, industrial exhaust fans, Puradigm air filtration fixtures, and cultivation best practices, the aim of Catalyst Cannabis Co. is to prevent internal smells from becoming external nuisances.

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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:

Catalyst Cannabis Co. will select and utilize an independent testing laboratory that has adopted a standard operating procedure to test marijuana and marijuana products that is approved by an accreditation body that is a signatory to the International Laboratory Accreditation Cooperation (ILAC) Mutual Recognition Agreement. We will model our due diligence evaluation process after ILAC's published standards when contemplating independent laboratory testing agreements to include the lab's conformity to accreditation standards and assessment bodies, ensuring the laboratory complies with appropriate lab standards regarding competencies in testing and calibration, and verifying that the laboratory's inspection agencies are accredited and comply with appropriate inspection standards. Catalyst Cannabis Co. will not work with or have any affiliation to a testing laboratory that does not meet the Marijuana Control Board's requirements for industry accreditation and international participation in sharing scientific data in an attempt to create transparency, uniformity, and credibility to marijuana and marijuana product testing procedures. We will ensure to select and utilize an independent testing laboratory to obtain testing samples according to a statistically valid sampling method by an agent of an independent testing laboratory. Our employees will work with the lab agents in utilizing statistical concepts to ensure the lab agent is able to obtain viable testing samples. Sampling procedures will be classified into two different categories, probability and non-probability sampling. This approach promotes a scientific structure that allows for both blind/random sampling of product lots and predetermined sampling for specific lots. The probability sampling will allow for the possibility to determine which samples belong to which lot(s) and the probability that each marijuana sample in the lot will be chosen. The non-probability process will be based on individual choice rather than blind/random selection, which eliminates unpredictable behavior and/or potential product bias that could cause inaccurate test results. We will continually work with lab agents to enforce and revise sampling operating procedures to collect and summarize data as required by the Marijuana Control Board. Catalyst Cannabis Co. intends to use the American Herbal Pharmacopeia cannabis inflorescence monograph as our guide in engaging an accredited lab approved to test marijuana and can provide cannabinoid and terpene profiles. Evaluation systems will include Gas Chromatography, Thin Layer Chromatography, High Performance Liquid Chromatography, and Gas Chromatography with flame ionization detection. Additionally, we will evaluate the lab's reputation and previous results to determine if the lab operates at our standard operating levels. We will ensure to interact with an independent testing laboratory to issue a certificate of analysis. Catalyst Cannabis Co. employees will be trained in vendor relations and the parameters of the documentation and recordkeeping required in specific transactions. Employees will know that no marijuana is to be received from an independent lab without a certificate of analysis.

Upon receiving the certificate of analysis from the testing lab, training cultivation facility employees will compare the test result against total allowable levels for all mycotoxins, mold CFU's, pesticides, heavy metals, foreign material, and bacterial CFU's. Catalyst Cannabis Co. employees will also compare average cannabinoid and terpene test results against the most current batch test for conformity of type. With those numbers, we will also compare our data against other approved evaluation systems like Gas Chromatography, Thin Layer Chromatography, High Performance Liquid Chromatography, and Gas Chromatography with flame ionization detection. To produce the most homogenous clonal crops, each variety will be cultivated base on our internal data for crop growth. This process will assign an average range in which the varietals produce cannabinoids, terpenes, and overall biomass. Additionally, Catalyst Cannabis Co. will use organoleptic tools to determine if marijuana plants meet the desired characteristics like odor, appearance, fell, and moisture content for certain varietal. We will use our test results and our organoleptic data logs as a baseline for overall product quality and every cultivation facility employee will be trained on each individual variety and its ideal state of growth. Should Catalyst Cannabis Co. receive a certificate of analysis with results that do not meet Marijuana Control Board or our organizational standards, we will have the lot resampled and retested. Unlike processed marijuana product, whole flower marijuana cannot be "reworked" or homogenized in a laboratory setting. THC will degrade to CBN over time with exposure to light and oxygen, so it is possible to lower THC percentages if in fact the resulting failed quality assurance was a result of being too potent in terms of THC. Regardless, should a sample test fail the quality assurance parameters, or should a failed microbiological test result be received, Catalyst Cannabis Co. shall send off another sample for testing to confirm the original test. If the new test results show acceptable parameters the batch will move forward according to the next standard operating procedure. If the second test results also fail the parameters, the batch will be destroyed. Catalyst Cannabis Co. will ensure the independent testing laboratory is following their stand operating procedure(s) to confirm or refute original results in the event of a test result that falls out of specification. Before engaging the laboratory, Catalyst Cannabis Co. will have its senior leadership sign an attestation that testing procedures will be done according to organizational standard operating procedures, industry best practices, and required regulatory oversight, and testing parameters and expectations will be included in the attestation.

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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:

We will ensure that no marijuana at our marijuana cultivation facility will be able to be observed by the public from outside the facility. The property we have secured for our cultivation facility is located at 5001 Eagle Street in Anchorage, which is recessed from the major vehicular and pedestrian thoroughfares in the area. The building is built of cinder block and painted a grey, opaque color ensuring 100% privacy and interior activity concealment. The building only has three windows (2 upstairs mezzanine, 1 ground floor), all of which will be covered and wrapped in non-transparent material. Additionally, the building is located in an industrial area that does not have high volumes of neighboring businesses, vehicle traffic, or pedestrian traffic. The entire cultivation facility will be a restricted access area and other than authorized Catalyst Cannabis Co. employees and visitors, under no circumstances will the general public be granted access or authorized access. Additionally, at no time will any marijuana-related transaction occur outside of the facility's restricted access area (plant growth phases, finished product processing, or waste disposal practices). We do not intend on having external signage on our cultivation facility advertising our name, logo, or marijuana industry affiliation. It is the intention of Catalyst Cannabis Co. to be a safe, secure, and non-polluting community member and to this end will ensure that no marijuana at our cultivation facility will be observable from outside the facility.

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

_____
Printed name

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

_____
Notary Public in and for the State of Alaska.

My commission expires: _____

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(Additional Space as Needed):

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We will ensure that no marijuana at our marijuana cultivation facility will be able to be observed by the public from outside the facility. The property we have secured for our cultivation facility is located at 5001 Eagle Street in Anchorage, which is recessed from the major vehicular and pedestrian thoroughfares in the area. The building is built of cinder block and painted a grey, opaque color ensuring 100% privacy and interior activity concealment. The building only has three windows (2 upstairs mezzanine, 1 ground floor), all of which will be covered and wrapped in non-transparent material. Additionally, the building is located in an industrial area that does not have high volumes of neighboring businesses, vehicle traffic, or pedestrian traffic. The entire cultivation facility will be a restricted access area and other than authorized Catalyst Cannabis Co. employees and visitors, under no circumstances will the general public be granted access or authorized access. Additionally, at no time will any marijuana-related transaction occur outside of the facility's restricted access area (plant growth phases, finished product processing, or waste disposal practices). We do not intend on having external signage on our cultivation facility advertising our name, logo, or marijuana industry affiliation. It is the intention of Catalyst Cannabis Co. to be a safe, secure, and non-polluting community member and to this end will ensure that no marijuana at our cultivation facility will be observable from outside the facility.

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 Schneider
Printed name

Subscribed and sworn to before me this 18th day of May, 2016.

Cia Parrocha
Notary Public in and for the State of Alaska.

My commission expires: 6/17/16