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-28b: Onsite Consumption Marijuana Retail Endorsement

What is this form?

An operating plan supplemental form is required for all retail marijuana establishments seeking an onsite consumption endorsement. Applicants should review **Alaska Regulation 306.370.** This form will be used to document how an applicant intends to meet the requirements of the regulation.

What must be covered in this operating plan supplemental?

Applicants must identify how the proposed onsite consumption premises will comply with applicable statutes and regulations regarding the following:

- Security [in addition to what is required for a retail store].
- Ventilation [if consumption by inhalation is to be permitted].
- Monitoring overconsumption.
- Disposal or packaging of unconsumed marijuana.
- Prevention of the introduction of marijuana products not sold by the retail marijuana store or products not sold for onsite consumption.

This form must be completed and submitted to AMCO's main office before any new onsite consumption endorsement application will be considered complete.

Section 1 – Establishment & Contact Information

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

Licensee:	GoodSinse LLC	**MJ License #:**	10278		
License Type:	Retail Marijuana Store with Onsite Consumption Endorsement				
Doing Business As:	GoodSinse LLC				
Premises Address:	2604 Davis Road				
City:	Fairbanks	**State:**	Alaska	**ZIP:**	99709

Mailing Address:	2750 Park Way				
City:	North Pole	**State:**	Alaska	**ZIP:**	99705

Designated Licensee:	Daniel L. Peters		
Main Phone:	907-347-7689	**Cell Phone:**	907-347-9475
Email:	goodsinse@yahoo.com		

Which type(s) of consumption will occur at your premises (check all that apply):

Consumption by Inhillation (smoking or vaping)- ☑ **Consumption by other method(s)-** ☑

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Form MJ-28b: Onsite Consumption Endorsement Operating Plan

Section 1 – Freestanding

Freestanding Licensed Retail Store (3 AAC 306.370(a) and AS 18.35.301(i)(1))

Please read the definition of "Freestanding" as defined in AS 18.35.301(i)(1) below-

"freestanding" means a building that is not supported by another structure and does not share ventilation or internal air space with an adjoining structure and smoke from the building cannot travel into the adjoining structure.

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

1.1- I certify that the location for which I am requesting this endorsement is "freestanding" as defined by AS 18.35.301(i)(1). DP

1.2- I certify that I have attached to this operating plan a photo of each side of the exterior of my building that show it meets the definition of "freestanding." DP

Section 2 – Security

Security (3 AAC 306.370(d)(1)(A)) and 3 AAC 306.370 (c)(1)

2.1. Describe the equipment in place (doors and locks) that will provide security for your consumption space, including access points and windows:

Exterior doors have door contacts that will trip an alarm if there is an unauthorized breach. Glass break sensors are installed on all exterior windows and glass doors (retail). The interior of the building is equipped with motion sensors. Motion detectors are installed in hallways and entrances to ensure tracking of unwanted intruders. There is a keypad with a panic button in the retail area that is hardwired to fire and police alarms. Alarms will be activated or deactivated with a keypad code, and all security systems, including cameras, will have battery backup. When GoodSinse is closed for business, the alarm system will be activated. It will be connected to all exterior doors and windows to alert the 24-hour alarm company of a breach. GoodSinse will be able to monitor and review surveillance remotely to coordinate with local law enforcement for apprehension and prosecution. Employees are trained to not open the door before opening of the store or after closing to ensure security while inventory is being transported from storage. GoodSinse will be updating all cameras for best quality video and to ensure all areas outside the premises are covered. After using a notification device, employees of GoodSinse will cooperate with intruders to de-escalate any potentially violent situation. The employees will allow the unauthorized person (s) to leave the premises as quickly as possible, with the intention of allowing law enforcement to handle apprehension and persecution. Authorized person(s) will review and copy any relevant video surveillance to aid in prosecution. GoodSinse staff will monitor the door to the entrance of the consumption area and only allow persons who are twenty-one (21) years of age or older access to the premises.

2.2. Describe how you will prevent diversion of marijuana and marijuana product from your consumption area:

METRC will be used diligently to track cannabis products between GoodSinse's cultivation, manufacturing, and retail facilities and those marked for onsite consumption. This will ensure no appearance of diversion between licenses and products occurs. Each license will maintain record books to ensure tracking of all cannabis products while in the facility or when being transferred between them. Record books will supplement tracking data to the State's tracking system. To increase loss prevention, all employees shall have criminal background checks to ensure good moral character, and all employees must hold a Marijuana Handler Permit Card. Any missing product(s) or product found to be sold after purchasing it at the retail level will be reported to local law enforcement and AMCO. Customers will not be allowed to remove marijuana or marijuana products from the consumption area without proper packaging and labeling.

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2.3. Describe how you will prevent access by persons under the age of 21 to your consumption area:

Staff will request proper photo identification to ensure anyone who enters the premises is twenty-one (21) years of age or older. Anyone not twenty-one (21) years of age or older will be denied access to the premises.

2.4. Describe how the consumption area shall be isolated from the other areas of the retail marijuana store:

The consumption area will be isolated from the retail area by a wall and two secure doors controlled by GoodSinse employees. There will be a customer access door between the consumption area and the customer circulation area. Customer circulation areas described here and in MJ-14 refer to customer walkways for restrooms. These walkways are not intended as onsite consumption areas and will be monitored by video surveillance, and separated from smoke.

You must be able to certify the statement below. Read the following and then sign your initials in the box to the right:	Initials
2.5. The proposed area(s) for consumption are clearly identified on Form MJ-02: Premises Diagram or MJ-14: Premises Diagram Change that is submitted with this application.	DP

Answer "Yes" or "No" to the following question:	Yes	No
2.6 Will the consumption area be outdoors?	☐	☑

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

If "Yes", describe the neighboring uses and state why an outdoor consumption area is compatible with the surrounding area:

Section 3 – Ventilation

Ventilation (3 AAC 306.370(d)(1)(B))

If you are proposing an indoor marijuana consumption area, where consumption by inhalation will occur you must be able to certify the statements below.

Read the following and then sign your initials in the box to the right:	Initials
I certify that I have attached to this form ventilation plans that:	
3.1 Show a ventilation system for the marijuana consumption area that is separate from the remainder of the retail store	DP
3.2 Signed and approved by a licensed mechanical engineer.	DP
3.3 Sufficient to remove visible smoke.	DP
3.4 Consistent with all applicable building codes and ordinances.	DP

Section 4 – Overconsumption

Monitoring Overconsumption (3 AAC 306.370(d)(1)(C))

4.1. Describe the policies and procedures that will be used to monitor overconsumption of marijuana or marijuana product:

Staff will be trained to monitor consumers for overconsumption and will ensure that no intoxicated consumers are allowed on the premises. Staff will also be trained on quantity limitations for onsite consumption: marijuana bud or flower not to exceed one gram to any one person per day; and edible marijuana products not to exceed 10mg of THC to any one person per day. No marijuana concentrate will be consumed on the premises. Anyone who appears to have overconsumed will be asked to leave the premises. Warnings will also be posted in a visible conspicuous location in the consumption area that comply with 3 AAC 306.365.

Section 5 – Repackaging or Disposal

Repackaging or Disposal (3 AAC 306.370(d)(1)(D))

5.1. Describe how you will dispose of or repackage unconsumed marijuana or marijuana product in accordance with 3AAC 306.740 and 3AAC 306.345:

Any unconsumed marijuana will be repackaged according to 3 AAC 306.345 and 3 AAC 306.470 and tracked accordingly (3 AAC 306.730). All unconsumed marijuana left abandoned or unclaimed in the marijuana consumption area will be destroyed in accordance with the operating plan and 3 AAC 306.740. Any marijuana waste will be be made unusable by mixing it in equal parts with a compostable or non-compostable material. Customers who intend to take unconsumed marijuana home when they leave will do so in a properly packaged and labeled exit bag.

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Section 6 – Prevention of Introduction

Prevention of Introduction (3 AAC 306.370(d)(1)(E))

6.1. Describe your policies and procedures to ensure marijuana from a source other than your retail marijuana store is not introduced to your consumption area:

Only products specifically designated to be consumed onsite may be purchased and consumed in the consumption area; products will have labels that include GoodSinse's name and will specifically state that the product is intended for onsite consumption only. Staff will be trained to ensure that no other marijuana products are being consumed onsite. Any products consumed that are not intended for onsite consumption will be confiscated and destroyed according to 3 AAC 306.740.

6.2 Describe your policies and procedures to ensure that marijuana from your retail marijuana store that is not intended for onsite consumption is not introduced into your consumption area:

Staff will be trained to ensure that any marijuana not intended for onsite consumption is not consumed on the licensed premises. Anyone caught consuming a product not specifically designated for onsite consumption at GoodSinse will be asked to leave the premises. Staff will monitor customers remotely via camera as well as in person. Staff will be trained to observe and identify products from sources other than GoodSinse and prevent their use for consumption. Customers will not be allowed to bring in any outside marijuana or marijuana products for consumption. Signs stating this expectation with a copy of the regulations will be posted and provided to customers in the onsite area.

Section 7 – Dosage and Safety Information

Written Materials (3 AAC 306.370(e)(4))

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

7.1- I certify that I have attached copies of the written materials to be provided in the consumption area(s) to patrons at no cost that contain marijuana dosage and safety information for each type of marijuana or marijuana product to be sold for consumption at the marijuana consumption area. DP

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Section 8 – Employee monitoring

Employee Monitoring (3AAC 306.370(c)(2))

Answer "Yes" or "No" to the following question:	Yes	No
8.1 Will consumption by smoking or vaping be allowed?	☑	☐

If "Yes", describe the smoke-free area from which employees will monitor the marijuana consumption area:

GoodSinse will monitor patrons through glass widows and video surveillance. Ventilation in consumption area will be separate from retail space ventilation. The employee monitoring area(s) will be located in the spaces not intended for onsite consumption and will be separated from smoke. One will be located in the general retail area just outside of the onsite consumption area. Other employee monitor areas will be located in the retail area, the packaging area and/or in the camera room. Employees of GoodSinse will be trained to monitor the video cameras as well as in person for prohibited activities in the onsite consumption area. Customer circulation areas described in MJ-14 refer to customer walkways for restrooms. These walkways are not intended as onsite consumption areas and will be monitored by video surveillance, and separated from smoke.

Section 9 – Declaration

I declare under penalty of unsworn falsification that this form, including all accompanying schedules and statements, is true, correct, and complete.

Signature of licensee

Notary Public in and for the State of Alaska

Notary Public
HEATHER ZWEERES
State of Alaska
My Commission Expires Nov. 6, 2021

Daniel L. Peters
Printed name of licensee

My commission expires: Nov. 6, 2021

Subscribed and sworn to before me this 8 day of November, 2019.

Form MJ-28b: Onsite Consumption Endorsement Operating Plan

(Additional Space as Needed):

TRITON

REQUIRED STATE OF ALASKA MARIJUANA WARNINGS:

3 AAC 306.365

1) Consumption of marijuana in public is prohibited by law.

2) Transportation or carriage of marijuana or marijuana products on Alaska waterways, including cruise ships, or by air carrier is prohibited by federal law.

3) Transportation or shipment of marijuana or marijuana products outside the State of Alaska is prohibited by federal law.

4) Providing marijuana to persons under 21 years of age is prohibited by law.

GoodSinse License Nos. 10278, 10279 & 14874

CUSTOMER REQUIREMENTS

Customers will be expected to consume only GoodSinse packaged marijuana or marijuana products in the designated consumption area and must comply with all State of Alaska onsite consumption regulations. Failure to comply will result in being escorted off of the premises.

No outside marijuana or marijuana products may be consumed or distributed in the consumption area.

It is expected that all onsite consumption will be done responsibly with a designated driver or alternative transportation.

Effects from marijuana consumption have a slow onset and can last from one to eight hours depending on consumption methods. Consumption by inhalation delivers cannabinoids to your system quickly and effectively. Edibles containing marijuana will likely take longer to take effect. Alaska regulations define a single serving of edible marijuana product as 5 milligrams of THC. You may consume up to 10mg THC per day at our facility.

Marijuana is legal in Alaska. Here are some things you need to know.

If you're under 21, it's illegal to use or possess marijuana.

Who is allowed to use marijuana?
Anyone age 21 and older can legally possess or consume marijuana. It is illegal to give marijuana to anyone under the age of 21, unless they have a valid medical marijuana card.

Marijuana can affect people differently.

Know your limits.
Marijuana affects everyone differently based on things like on body type and history of use.

Higher than you might think.

Careful. It can sneak up on you.
These aren't your grandma's brownies — THC levels can be much, much higher in today's marijuana products. And the effects of marijuana can be significantly delayed, particularly with edibles.

You can't drive impaired. Driving high is a DUI.

Don't consume and drive.
Driving while impaired is illegal. It doesn't matter what substance you are using. If you are not sure whether you are impaired, do not drive.

Do not use if you are pregnant or breastfeeding.

Marijuana poses a potential risk to the baby.
Steer clear if you are pregnant or nursing. Marijuana may be harmful to developing brains. Smoking marijuana or consuming edible cannabis products can expose your baby to potentially harmful substances.

Stash it safely away from kids and pets.

Lock it up.
If you have young children or teenagers at home, store your marijuana in a child-resistant container and make it inaccessible to them.

If children accidentally eat or drink marijuana, it can make them very sick. If you suspect your child has consumed marijuana call the poison control hotline at 1-800-222-1222. If someone has a severe reaction after consuming marijuana, call 911 or go to an emergency room right away.

STATE of ALASKA
Department of Health and Social Services

To learn more visit www.marijuana.dhss.alaska.gov

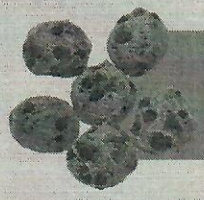
Summer 2016

START LOW. GO SLOW.

RESPONSIBLE ALASKA CONSUMER

WHAT YOU NEED TO KNOW ABOUT MARIJUANA EDIBLES.

POTENCY VARIES FROM PRODUCT TO PRODUCT. SO START WITH A SMALL AMOUNT.



SINGLE SERVING SIZES OF PURCHASED EDIBLES HAVE UP TO 5 MILLIGRAMS OF THC.

THE EFFECTS CAN BE DELAYED UP TO TWO HOURS, AND LAST TWO HOURS OR MORE.

EDIBLES AFFECT EVERYONE DIFFERENTLY, START WITH A SMALL AMOUNT, WAIT BEFORE TRYING MORE.

SERVING SIZES VARY BY PRODUCT. READ PACKAGE LABELS AND PAY ATTENTION TO SCORE MARKS ON EDIBLES.

STATE of ALASKA Department of Health and Social Services

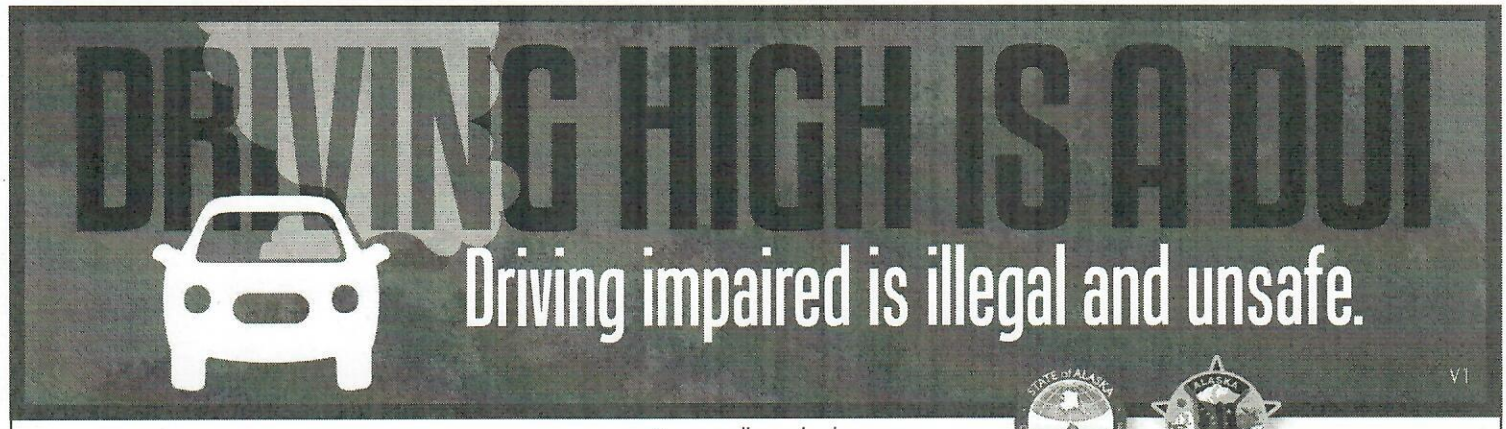
STAY SAFE. KNOW YOUR LIMITS.

Learn more about marijuana in Alaska.

marijuana.dhss.alaska.gov

Find us on

Get the Facts About Marijuana



marijuana.dhss.alaska.gov

More than 40 people die in motor vehicle crashes every year in Alaska; thousands more are hospitalized. A large percentage of these crashes involve impaired drivers. As part of our mission to promote and protect the health and well-being of Alaskans, the Alaska Department of Health and Social Services, in conjunction with the Alaska Department of Public Safety, presents these facts about marijuana use and driving.

Driving High is a DUI

Even though recreational marijuana use is now legal for adults in Alaska, driving while impaired is illegal and unsafe. Getting high before you drive could get you arrested for driving under the influence (DUI). This is true for driving a car or operating any motorized vehicle—including motorcycles, scooters, snowmachines, and ATVs; and any boats or planes, whether motorized or not. (AS 28.35.030)

How Does Marijuana Affect My Driving?

Marijuana use has been shown to impair:[1]

- Reaction time
- Short-term memory
- Hand-eye coordination
- Concentration
- Perception of time and distance

Marijuana also affects your ability to judge your own level of impairment, so even though you may think you're capable of driving, you are probably more impacted than you realize.

Any amount of marijuana consumption puts you at risk of driving impaired.

Some people may think that they are "safe" drivers when they are stoned because they drive more slowly. However, research shows that driving high may double your risk of a crash.[2]

Even if marijuana is used for medical reasons, officers can arrest you based on impaired driving behaviors.

How Long Should I Wait to Drive After Using Marijuana?

Like alcohol and other drugs, marijuana affects people differently. Many factors come into play. Marijuana can impact your ability to drive and do other activities.[3] The effects can last longer than some users think. Here are a few simple rules of thumb:

- The more delta-9-tetrahydrocannabinol (THC), the active ingredient in marijuana, a person takes in, the greater the impairment will be.
- The effects of marijuana can take longer to develop and last longer when eating or consuming marijuana as opposed to smoking it.
- Although a person might feel safe to drive after two to three hours, impairment can last much longer.[1] As with other drugs, judgment is impacted when you are high.
- Using alcohol and marijuana at the same time results in greater driving impairment than using either one alone.[3]
- If you are impaired and need to get somewhere, do not get behind the wheel; let someone who is sober drive. If you have no designated driver, take a bus, call a cab, or organize some other safe means of transportation.
- In the end, a law enforcement officer decides whether to arrest an individual for driving while impaired.
- Driving high is a DUI.

Teens and Driving High[4]

Vehicle crashes are the leading cause of death among young people from 16 to 19 years old. When a relative lack of driving experience combines with the use of marijuana or other substances to impair cognitive and motor abilities, the results can be tragic.

In 2011, 12 percent of high school seniors responding to the *Monitoring the Future*[5] survey admitted to driving under the influence of marijuana in the two weeks prior to the survey.

Talk to your teens about not driving under the influence or getting in the car with someone who has been drinking or using drugs. Let them know that they can always call you for a ride.

Frequently Asked Questions[3]

Q: What drugs contribute to accidents?[4]

A: After alcohol, THC, the active ingredient in marijuana, is the substance most commonly found in the blood of impaired drivers, fatally injured drivers, and motor vehicle crash victims.

Q: Is there a legal limit for marijuana impairment while operating a vehicle?

A: Not yet. However, no matter the level of THC consumption, law enforcement officers may base DUI arrests on observed impairment.

Q: What if I use marijuana medicinally?

A: If a substance has impaired your ability to operate a motor vehicle, it is illegal for you to be driving, even if that substance is prescribed or legally acquired.

Q: What are the fines and penalties for a DUI?

A: First offense is 72 hours jail time, $1,500 fine, license suspended for 90 days and an ignition interlock device (IID). Second offense is 20 days in jail, $3,000 fine, license suspended for a minimum of one year, and an IID. Third offense is 60 to 120 days in jail, $4,000 to $10,000 fine, license suspended for a minimum of three years, and an IID. Plus any court costs and lawyer fees.

Q: Are there additional potential penalties for marijuana-impaired driving if there are children in the vehicle?

A: Additional charges for impaired drivers include child abuse if children are present in the vehicle.

Q: Is it legal to have marijuana or marijuana paraphernalia in the passenger cabin of the vehicle?

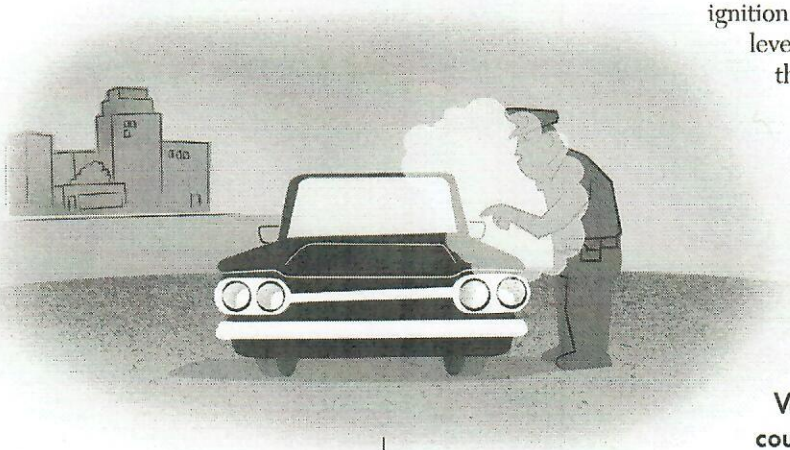
A: Yes, you may have marijuana or marijuana paraphernalia in the passenger cabin of a vehicle, so long as you are 21 years of age or older and have no court or parole board imposed restrictions regarding the possession of marijuana or marijuana paraphernalia.

Q: How can law enforcement determine if I am impaired by the use of marijuana?

A: Alaska law enforcement officers are trained in the detection of impairment caused by drugs. Many have received training in *Advanced Roadside Impaired Driving Enforcement (ARIDE)*. Alaska law enforcement agencies have specially trained *Drug Recognition Experts (DRE)* on staff who can detect impairment.

Q: What if I refuse to take a blood test to detect THC?

A: Alaska revokes driving privileges for any individual who fails to cooperate with the chemical testing process requested by an officer during the investigation of an alcohol or drug-related DUI arrest. Any driver who refuses to take a blood test will immediately be considered a high-risk driver. Consequences include: mandatory ignition interlock for two years and level two alcohol education and therapy classes as specified by law. These penalties are administrative and are applied regardless of a criminal conviction.



Q: How do marijuana-impaired violations differ between the Alaska Division of Motor Vehicles and Alaska courts?

A: Like any other substance, marijuana-impaired infractions result in criminal fines and penalties, as well as points against your license.

Q: Are there stricter penalties for those individuals who are arrested driving under the influence of a combination of marijuana and alcohol or other drugs?

A: The penalties are the same regardless of the substance or combination of substances. However, when combining substances, there is a greater degree of impairment. This significantly increases the chances of crashes, penalties and charges.

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1. National Institute on Drug Abuse. Common resources include the Drug Facts: Marijuana, Marijuana Research Report and the Drug Facts: Is Marijuana Medicine?

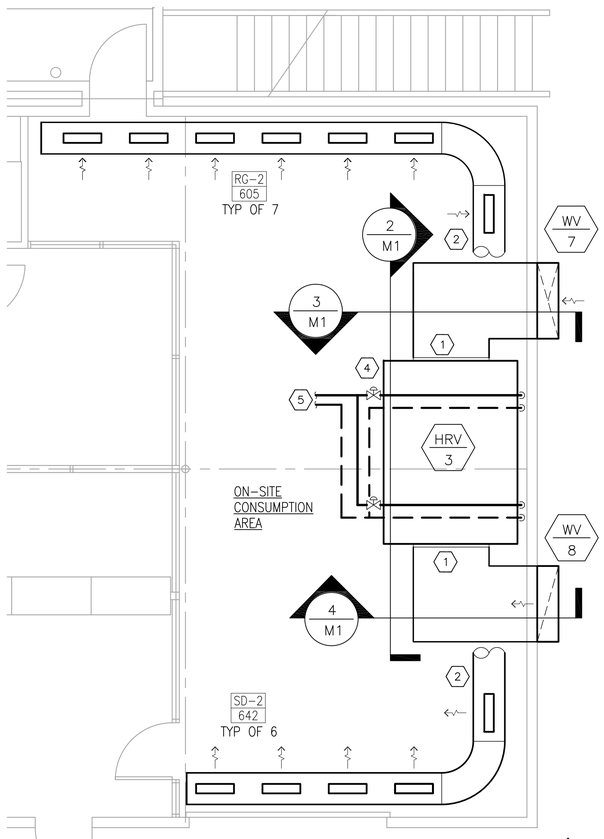
2. Asbridge, M. et al. (2012). Acute cannabis consumption and motor vehicle collision risk: systematic review of observational studies and meta-analysis. British Medical Journal.

3. Colorado Department of Public Health and Environment: Retail Marijuana Public Health Advisory Committee's http://dhss.alaska.gov/dph/Director/Documents/marijuana/Monitoring_Health_Concerns_Related_to_Marijuana_in_Colorado_2014.pdf. Public health statements include information on dose response, cognitive, mental health, respiratory, extra-pulmonary effects, injury and impacts on youth and pregnant/breastfeeding women. The Alaska departments of Health and Social Services and Public Safety would like to thank the Colorado Department of Public Health and Environment for the free and unrestricted use of their extensive marijuana research and educational materials.

4. National Institute on Drug Abuse, http://www.drugabuse.gov/publications/drugfacts/drugged-driving

5. Monitoring the Future, http://www.monitoringthefuture.org/

Additional Resouces: State of Colorado, Department of Public Health and Environment, https://sites.google.com/a/state.co.us/marijuana/getthefacts/driving

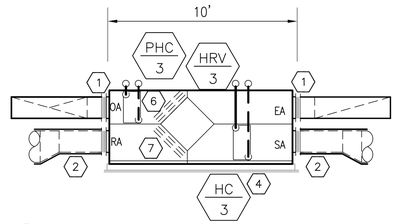


1 M1 ON-SITE CONSUMPTION HVAC PLAN, NEW WORK

SCALE: 1/4" = 1'-0"

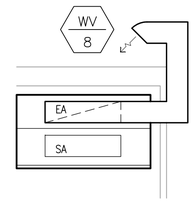
SHEET NOTES

1. FLEXIBLE CONNECTOR.
2. SOUND LINE FIRST 20 FEET OF DUCT.
3. SUSPEND UNIT FROM CEILING, SEE STRUCTURAL.
4. PROVIDE STAND, SEE STRUCTURAL.
5. GHS/GHR TO BOILER.
6. SUPPLY AIR FILTRATION, SEE HRV SCHEDULE.
7. EXHAUST AIR FILTRAITON, SEE HRV SCHEDULE.



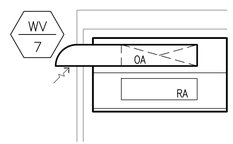
2 M1 ON-SITE CONSUMPTION HVAC SECTION

SCALE: 1/4" = 1'-0"



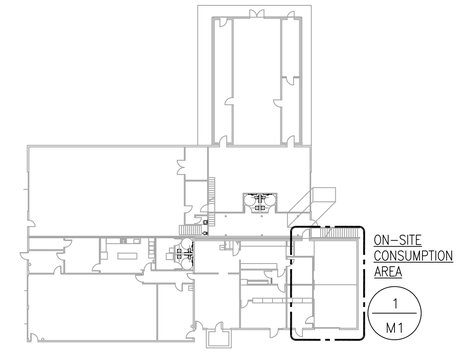
4 M1 HVAC SECTION

SCALE: 1/4" = 1'-0"



3 M1 HVAC SECTION

SCALE: 1/4" = 1'-0"



5 M1 ON-SITE CONSUMPTION KEY PLAN

SCALE: 1/32" = 1'-0"

WALL VENT SCHEDULE

EQP TAG	SERVICE	WIDTH, IN	HEIGHT, IN	CFM	FREE AREA, SF	FACE VEL, FPM	DAMPER	NOTES
WV-7	INTAKE	48	14	3850	4.7	825	MOTORIZED	1
WV-8	EXHAUST	48	14	4230	4.7	906	MOTORIZED	1

NOTES

1. DAMPER SHALL BE FACTORY FURNISHED WITH EQUIPMENT OR PROVIDED BY CONTRACTOR.

AIR OUTLET SCHEDULE

EQP TAG	USE	DUCT SIZE (IN)	UNIT SIZE (IN)	NECK SIZE (IN)	MAX CFM	THROW (FT)	PATTERN	SP (IN WG)	NC	FINISH	BASIS OF DESIGN		NOTES
											MFR	MODEL	
SD-4	SUPPLY	20"Ø	18X12	18X12	675	19-24-33	STRAIGHT	0.03	18	WHITE	TITUS	S301FS	1
RG-4	RETURN	20"Ø	18X12	18X12	675	-	-	0.09	13	WHITE	TITUS	S8F	2

NOTES

1. DUCT-MOUNTED ON BOTTOM OF DUCT WITH AIRFLOW STRAIGHT DOWN. PROVIDE ASD.
2. DUCT-MOUNTED ON BOTTOM OF DUCT.

COIL SCHEDULE

EQP TAG	SYSTEM	AIR SIDE								FLUID SIDE						BASIS OF DESIGN		NOTES
		HEAT TRANSFER (MBH)	CFM	EAT (°F)	LAT (°F)	APD (IN WG)	H (in)	W (in)	FACE VELOCITY (FPM)	FLUID	GPM	EGT (°F)	LGT (°F)	WPD (FT)	ROWS /FPI	MFR	MODEL	
PHC-3	HRV-3	258	3850	-47	15	0.02	34	34	480	50% PG	19.1	100	70	-	-	-	-	1.
HC-3	HRV-3	75	3850	52	70	0.04	34	34	480	50% PG	8.3	100	80	-	-	-	-	1.

NOTES

1. FACTORY FURNISHED BY HRV MANUFACTURER.

VENTILATION DESIGN CRITERIA

ROOM NUMBER	ROOM NAME	OCCUPANCY CLASSIFICATION	AREA (SF)	OCCUPANT DENSITY, #/1000SF	CALCULATED OCCUPANTS	OUTSIDE AIR				EXHAUST AIR			BASIS OF DESIGN
						CFM/ SF	CFM/ PERSON	REQ'D (CFM)	ACTUAL (CFM)	CFM/ SF	REQ'D (CFM)	ACTUAL (CFM)	
-	ON-SITE CONSUMPTION	SMOKING LOUNGE	680	70	48	0.00	60	3570	3570	-	3927	3927	2015 IMC CHAPTER 4

HEAT RECOVERY UNIT SCHEDULE

EQP TAG	SERVICE	SUPPLY			EXHAUST			HEAT RECOVERY						ELECTRICAL			BASIS OF DESIGN		SPD	NOTES
		CFM	ESP (IN WG)	FILTER	CFM	ESP (IN WG)	FILTER	EFF %	MBH (°F)	OAT (°F)	SAT (°F)	RAT (°F)	EAT (°F)	FLA	VOLTS	PHASE	MFR	MODEL		
HRV-3	ON-SITE CONSUMPTION	3850	-	MERV 8	4230	-	CARBON	68	172	15	52	70	33	29.1	230	1	AMERICAN ALDES	SH4000i	VFD	1,2,3,4

NOTES

1. PROVIDE SINGLE POINT OF CONNECTION; PROVIDE REMOTE CONTROL PANEL WITH 7/24 TIMER.
2. PROVIDE FAN SPEED CONTROL BASED ON INPUT FROM SPACE IAQ SENSOR.
3. PROVIDE PREHEAT AND HEATING COILS, SEE COIL SCHEDULE.
4. PROVIDE VFD FACTORY- MOUNTED BY HRV MANUFACTURER. ELECTRICAL COORD: SINGLE POINT OF CONNECTION. VFD SHALL CONVERT SINGLE PHASE TO 3 PHASE POWER.

STATE OF ALASKA 49TH
HELENA BRETAS RUETER
ME-10190
10.24.2019
REGISTERED PROFESSIONAL ENGINEER

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SYMB	DATE	REVISION	BY

PROJECT: GOODSINSE ON-SITE CONSUMPTION AREA
2604 DAVIS ROAD
FAIRBANKS, ALASKA

SHEET CONTENTS: MECHANICAL PLANS AND SECTIONS, EQUIPMENT SCHEDULES

DRAWN		HBR
DRAWN		HBR
CHECKED		HBR
DATE	10/24/2019	

SHEET NUMBER:

M1

HBR W.O. NUMBER: 1810