



Plan Review Submittals for Proposed Marijuana Buildings

The State Fire Marshal's Office has jurisdiction over commercial buildings across the State of Alaska. (13 AAC 50.027). Marijuana buildings (retail, cultivation, extraction, product manufacturing, and testing facilities) may fall under our jurisdiction for review and approval.

Your building's occupancy type will be an F-1, and a plan review is required unless you live in the home and comply with the attachment (limited grows), you will need to provide hardcopies;

- A completed plan review application (on the website, see checklist at the bottom as well)
- Newly constructed buildings may need full stamped drawings; Architectural and Engineering.
- A scaled site plan showing distances to property lines and buildings (N, E, S, W)
- A floor plan of the entire building (exit doors, exit lights, emergency lights, stairs)
 - Stairs include rise/run, handrails, guards, and width with closed risers
- Construction details to include; floor, interior/exterior walls, flr/clg, and ceiling/roof assemblies
- Types and amounts of hazardous chemicals, and MSDS's used in the building that are in bulk and hazardous; i.e. (CO2, fertilizers, insecticides, propane, butane, etc.) IBC Table 307
- Fire Extinguishers mounted with a minimum 75' travel distance (Exits)
- Manufacturers listing/specifications or approvals for lighting, heating & ventilation equipment (UL)
- Depending on scope; licensed individuals for the Mechanical and Electrical Systems; (ME, MA, Etc.)
- As-builds and/or structural analysis may be required for structural safety (Seismic, Gust, Ground Snow Load)
- Emergency access approval from your local fire authority

After we receive all of the requested items, we will review your documents for approval from our office. We will provide our decision in writing, either as a correction letter or Fire and Life Safety Certificate. If the AMCO approval request is already received, we will approve and send to AMCO, if not you will have to contact AMCO. Please note, partial submittals will delay the process.

If your building meets the requirements of the residence attachment below, a review will not be conducted, and an email will be provided, stating according to the directive a plan review will not be required.

Fees need to be paid before the review of your plans can start. Please note, if you begin construction or renovation before the review is complete, a special processing fee will be charged and a stop work issued. Detailed fee explanation attached to the Plan Review Application.

This packet includes:

1. Residence and limited grow requirements. (Pertains to entire space used for operation)

If you have any questions regarding this process, please contact us at: 907.269.2004.



THE STATE
of **ALASKA**
GOVERNOR BILL WALKER

Department of Public Safety

DIVISION OF FIRE AND LIFE SAFETY
Office of the Director

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Memorandum

To: DFLS / Plan Review Bureau

From: David Tylee 
DFLS Director

Date: September 21, 2017

Subject: Directive 2017-1 Regarding Plan Reviews for Marijuana Businesses in Residential Structure

Until further notice the following guidelines will be used when determining whether a plan review will be required for marijuana businesses being conducted out of residential structures.

1. A license premises of 500 square feet or less that do not use CO2 in the cultivation process will not require a plan review.
2. A license premises in a residence that uses CO2 in the cultivation process will require a plan review.
3. Any license premises conducting extraction processes will require a plan review.
4. A license premises more than 500 square feet in any residential structure will require a plan review.
5. A license premises in a multi-family dwelling, i.e. duplex, triplex, etc. will require a plan review.
6. A license premises is considered in the residence if it is in any portion of the structure or addition attached to the structure.

HAZARDOUS MATERIALS

ICC Link to Free Codes On-Line (link below takes you to the Chapter, Section, and Page)

<https://codes.iccsafe.org/public/document/IBC2018/chapter-3-occupancy-classification-and-use>

Sample of the Table in 2012 International Building Code for Hazardous Materials Classification

[F] TABLE 307.1(1)
MAXIMUM ALLOWABLE QUANTITY PER CONTROL AREA OF HAZARDOUS MATERIALS POSING A PHYSICAL HAZARD^{a, b, c, d}

MATERIAL	CLASS	GROUP WHEN THE MAXIMUM ALLOWABLE QUANTITY IS EXCEEDED	STORAGE ^e			USE, CLOSED SYSTEMS ^f			USE, OPEN SYSTEMS ^g	
			Solid (pounds) (pounds/metric ton)	Liquid (gallons) (gallons/metric ton)	Gas (cubic feet) (cubic meters)	Solid (pounds) (pounds/metric ton)	Liquid (gallons) (gallons/metric ton)	Gas (cubic feet) (cubic meters)	Solid (pounds) (pounds/metric ton)	Liquid (gallons) (gallons/metric ton)
Compressible acid	HA	H-2	None	None	None	None	None	None	None	None
Compressible liquid ^h	B	H-2 or H-3	None	120 ^{i, j}	None	None	120 ^{i, j}	None	None	30 ^k
		H-2 or H-3	None	120 ^{i, j}	None	None	120 ^{i, j}	None	None	30 ^k
		HA	None	11,200 ^l	None	None	11,200 ^l	None	None	5,700 ^m
Compressible gas	Liquid (pounds) (pounds/metric ton)	H-2	1700 (1,000)	None	None	1700 (1,000)	None	None	170 (100)	None
Consumer fireworks	1-4D	H-2	125 ^{n, o}	None	None	None	None	None	None	None
Cryogenic, flammable	HA	H-2	None	20 ^p	None	None	20 ^p	None	None	10 ^q
		H-2	None	None	None	None	None	None	None	None
Cryogenic, non-flammable	HA	H-2	None	10 ^r	None	None	10 ^r	None	None	10 ^r
		H-2	None	None	None	None	None	None	None	None
Explosives	Division 1.1	H-1	1 ^s	1 ^s	None	1,200 ^t	1,200 ^t	None	1,200 ^t	1,200 ^t
		H-1	1 ^s	1 ^s	None	1,200 ^t	1,200 ^t	None	1,200 ^t	1,200 ^t
		H-1 or H-2	1 ^s	1 ^s	None	11 ^u	11 ^u	None	11 ^u	11 ^u
		H-2	10 ^v	10 ^v	None	10 ^v	10 ^v	None	10 ^v	10 ^v
		H-2	125 ^{w, x}	None	None	None	None	None	None	None
		H-1	1 ^s	1 ^s	None	1,200 ^t	1,200 ^t	None	1,200 ^t	1,200 ^t
Flammable gas	Liquified	H-2	None	None	1,200 ^t	None	None	1,000 ^y	None	None
		H-2	None	None	1,000 ^y	None	None	1,000 ^y	None	None
Flammable liquid ^z	B and LC	H-2	None	None	None	None	None	None	None	None
		H-2	None	None	None	None	None	None	None	None
Flammable liquid, combustible (HA, HB, HC)	HA	H-2	None	None	None	None	None	None	None	

Sample: Safety Data Sheet

[F] HAZARDOUS MATERIALS. Those chemicals or substances that are physical hazards or health hazards as classified in Section 307 and the International Fire Code, whether the materials are in usable or waste condition. (Propane – Butane is Flammable Gas)

Flammable Gases

Propane

<https://www.airgas.com/msds/001045.pdf> (Sample)

Butane

<https://www.airgas.com/msds/001045.pdf> (Sample)

(Limits quantities to table above)

[F] HEALTH HAZARD. A classification of a chemical for which there is statistically significant evidence that acute or chronic health effects are capable of occurring in exposed persons. The term “health hazard” includes chemicals that are toxic or highly toxic, and corrosive.

Health Hazard Asphyxiant

Carbon Dioxide (Carbon Monoxide is from incomplete combustion and has alarms, different)

<https://www.airgas.com/msds/001013.pdf> (Sample)

(Requires monitoring and pressure vessel certification)