

# **OVERVIEW**

Seminar Goals

Presenter Intro

Facility & License Types

FAQs

Q & A



# **GOALS**



Understand the different types of cannabis facilities and their basic operations



Understand what types of products are created in each type of cannabis facility



Understand some of the common misconceptions about cannabis facilities



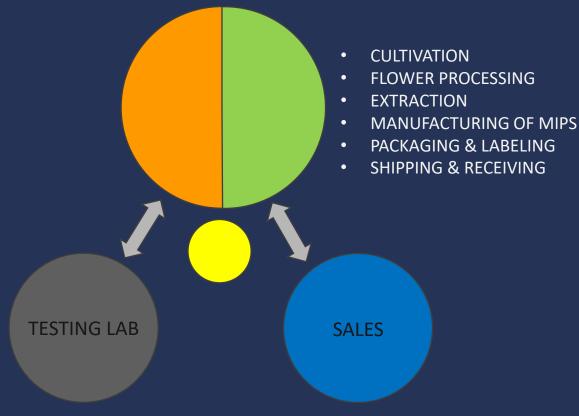


# CANNABIS FACILITY & LICENSE TYPES



# MEDICAL MARIJUANA TREATMENT CENTER (MTC)

- VERTICALLY INTEGRATED LICENSE THAT ALLOWS FOR THE CULTIVIATION, MANUFACTURING, AND SALE OF MEDICAL MARIJUANA BY A SINGLE COMPANY.
- ALL PROCESSES INVOLVED FROM SEED TO SALE ARE ALLOWED UNDER THIS LICENSE TYPE, INCLUDING:
  - CULTIVATION & PROCESSING
  - EXTRACTION
  - MANUFACTURING (MIPS)
  - WHOLESALE (BUYING AND SELLING)
  - PACKAGING & LABELING
  - TRANSIT
  - DELIVERY
  - DISPENSARY SALES

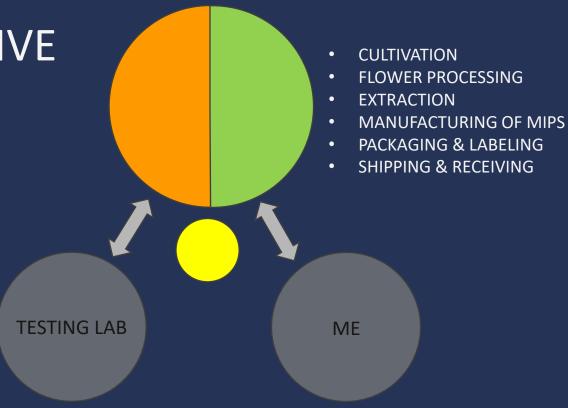


- ALL PRODUCTS MUST BE TESTED BY AN INDEPENDENT LAB FOR QUALITY, CONTAMINANTS, POTENCY PRIOR TO SALE
- MAY ALSO WHOLESALE TO RESEARCH FACILITIES

- MTC DISPENSARY SALES TO PATIENTS
- ME DISPENSARY SALES TO CONSUMERS OVER 21
- WHOLESALE TO DISPENSARIES & MANUFACTURING COMPANIES
- DELIVERY TO PATIENTS

## CRAFT MARIJUANA COOPERATIVE

- THIS LICENSE ALLOWS A NUMBER OF INDIVIDUAL GROWERS & MANUFACTURERS TO OPERATE AS A COOP.
- CULTIVATION UP TO 100,000 SF OF CANOPY IS ALLOWED ON MULTIPLE SITES.
- MANUFACTURING IS ALLOWED IN UP TO 3 LOCATIONS.
- MUST OPERATE ACCORDING TO THE PRINCIPLES OF THE INTERNATIONAL COOPERATIVE ALLIANCE.

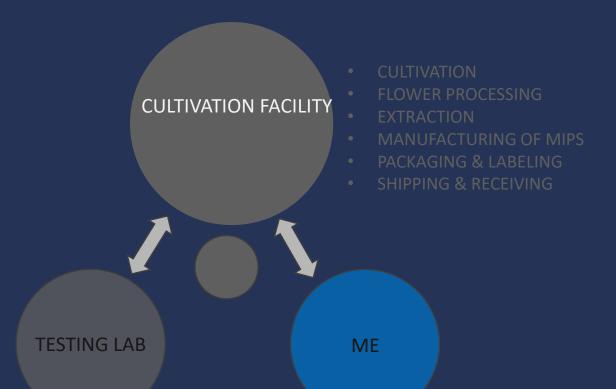


- ALL PRODUCTS MUST BE TESTED BY AN INDEPENDENT LAB FOR QUALITY, CONTAMINANTS, POTENCY PRIOR TO SALE
- MAY ALSO WHOLESALE TO RESEARCH FACILITIES

WHOLESALE TO ME

## MARIJUANA RETAILER

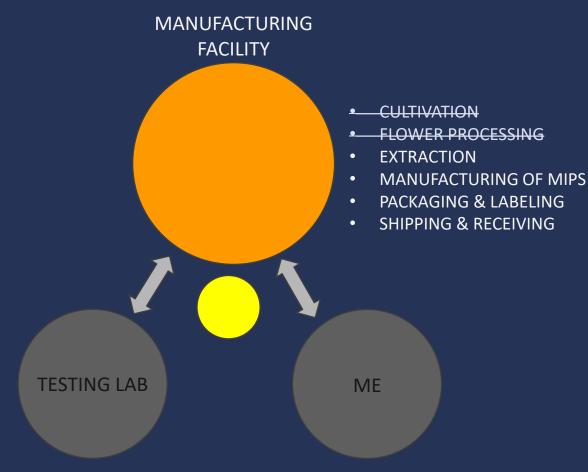
- THIS LICENSE IS FOR OPERATING AN ADULT USE / RECREATIONAL DISPENSARY
- THIS IS A RETAIL STORE WHERE CONSUMERS OVER 21
   ARE ABLE TO PURCHASE CANNABIS PRODUCTS USING ONLY A VALID ID
- CUSTOMER INFORMATION CANNOT BE STORED FOR TRACKING PURPOSES
- NO CONSUMPTION IS ALLOWED ON SITE UNLESS THEY ALSO HAVE A SOCIAL CONSUMPTION ESTABLISHMENT LICENSE



- WHOLESALE PURCHASE OF PRODUCTS FROM MARIJUANA CULTIVATORS & MTC
- SALE OF PRODUCT FOR ADULT USE ONLY, NON-MEDICAL
- PRODUCT MUST BE TRANSPORTED BY A ME, MTC, OR TRANSPORTER LICENSE TO THE RETAIL STORE

# MARIJUANA PRODUCT MANUFACTURER

- THIS LICENSE ALLOWS FOR RAW CANNABIS PLANT
   MATERIAL TO BE TRANSFORMED INTO OTHER TYPES OF
   PRODUCTS VIA EXTRACTION AND PROCESSING
- LICENSE HOLDERS CAN OBTAIN PLANT MATERIAL VIA WHOLESALE FROM CULTIVATORS OR THROUGH AN AFFILIATED CULTIVATION LICENSE
- EXTRACTION OCCURS THROUGH SOLVENT-FREE OR SOLVENT-BASED PROCESSES UTILIZING SPECIAL EXTRACTION EQUIPMENT
- MANUFACTURING FACILITIES OFTEN HAVE COMMERCIAL KITCHENS AND SPECIAL PROCESSING LABS FOR THE CREATION OF MIPS

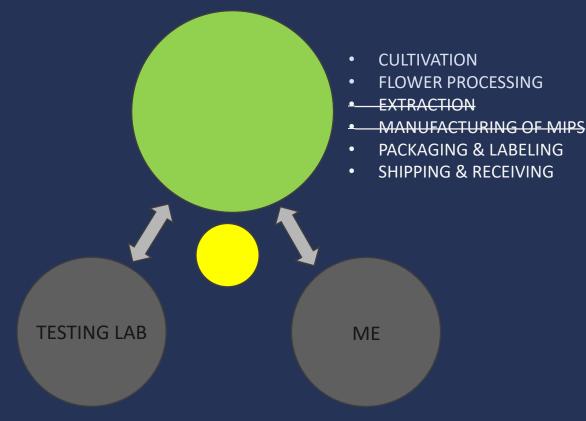


- ALL PRODUCTS MUST BE TESTED BY AN INDEPENDENT LAB FOR QUALITY, CONTAMINANTS, POTENCY PRIOR TO SALE
- MAY ALSO WHOLESALE TO RESEARCH FACILITIES

WHOLESALE TO MES

## MARIJUANA CULTIVATOR

- THIS LICENSE ALLOWS FOR THE CULTIVATION AND PROCESSING OF CANNABIS PLANTS, AND THE PACKAGING AND LABELING OF CANNABIS FLOWER FOR WHOLESALE TO DISPENSARIES AND MANUFACTURERS
- CULTIVATION LICENSES ARE DIVIDED INTO ELEVEN TIERS WHICH ESTABLISH HOW MUCH "CANOPY" AN OPERATOR CAN GROW IN THEIR FACILITY
- CULTIVATION IS MOST OFTEN 100% INDOORS IN THE NORTHEAST, THOUGH CAN ALSO OCCUR IN GREENHOUSES OR OUTDOORS

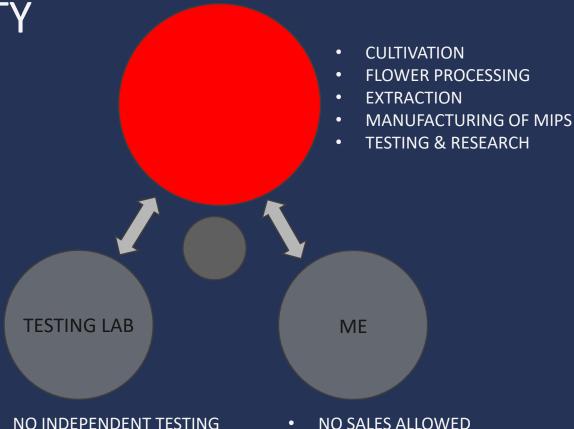


- ALL PRODUCTS MUST BE TESTED BY AN INDEPENDENT LAB FOR QUALITY, CONTAMINANTS, POTENCY PRIOR TO SALE
- MAY ALSO WHOLESALE TO RESEARCH FACILITIES

WHOLESALE TO Mes

# MARIJUANA RESEARCH FACILITY (MRF)

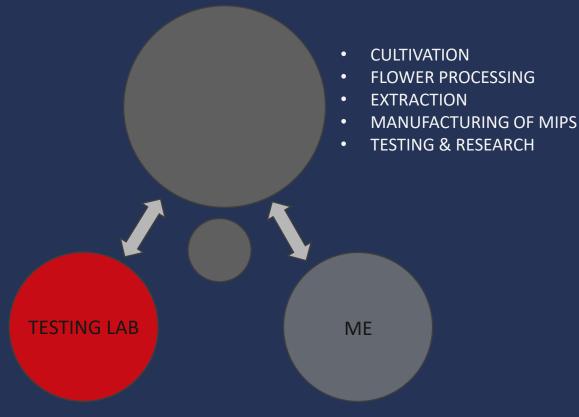
- THIS LICENSE IS USED FOR CONDUCTING RESEARCH ON MARIJUANA AND MARIJUANA PRODUCTS.
- MOST OFTEN OBTAINED BY ACADEMIC INSTITUTIONS, NON-PROFIT INSTITUTIONS, AND CORPORATIONS
- THE SOLE PURPOSE OF THESE FACILITIES IS RESEARCH CANNABIS CAN BE GROWN, PURCHASED, AND PROCESSED BUT NEVER SOLD TO OTHER FACILITIES OR CUSTOMERS
- MRFs ARE NOT REQUIRED TO GROW OR MANUFACTURER
- CCC ISSUED RESERCH PERMITS ARE REQUIRED FOR EACH INDIVIDUAL RESEARCH PROJECT



**REQUIRED** 

# INDEPENDENT TESTING LABORATORY (ITL)

- THIS LICENSE IS ONLY AVAILABLE TO COMPANIES AND INDIVIDUALS WHAT DO NOT HOLD ANY OTHER LICENSE TYPE AND ARE FINANCIALLY INDEPENDENT OF ANY LICENSED MTC OR ME
- ALL PRODUCTS AVAIALBLE FOR SALE TO PATIENTS OR CONSUMERS MUST BE TESTED PRIOR TO FINAL LABELING AND STOCKING IN A DISPENSARY
- LABS PROCESS SMALL AMOUNTS OF CANNABIS AND MIPS TO TEST FOR QUALITY, PRESENCE OF CONTAMINANTS, POTENCY, AND OTHER COMPLIANCE ITEMS OUTLINED BY THE CCC
- LABS ARE NOT AUTHORIZED TO BUY OR SELL ANY PRODUCTS



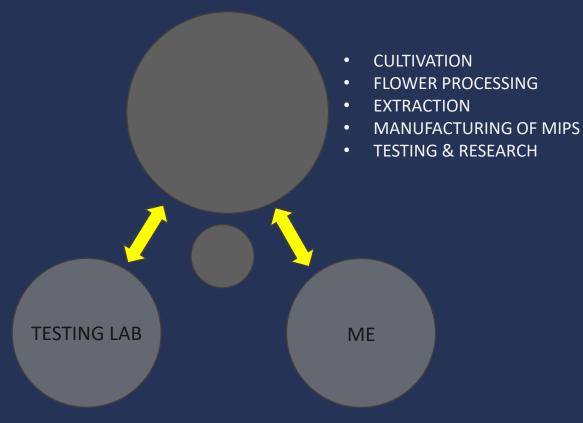
- ALL PRODUCTS MUST BE TESTED BY AN INDEPENDENT LAB FOR QUALITY, CONTAMINANTS, POTENCY PRIOR TO SALE
- MAY ALSO WHOLESALE TO RESEARCH FACILITIES

NO SALES ALLOWED

# TRANSPORTER

#### MARIJUANA TRANSPORTER

- THE TRANSPORTER LICENSE ALLOWS FOR THE POSESSION AND MOVEMENT OF MARIJUANA BETWEEN CULTVATION & MANUFACTURING FACILITIES AND DISPENSARIES
- TRANSPORTERS CAN BE INDEPENDENT OR AFFILIATED WITH OTHER LICENSE TYPES. THIS ALLOWS FOR MTCs AND MES WITH THEIR OWN DISPENSARIES TO TRANSPORT THEIR OWN PRODUCTS
- TRANSPORTERS CANNOT SELL MARIJUANA TO ANYONE OR WAREHOUSE PRODUCT FOR SALES



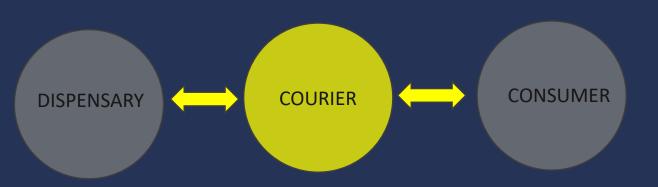
MAY TRANSPORT
 PRODUCTS FROM
 CULTIVATION TO TESTING
 LABS

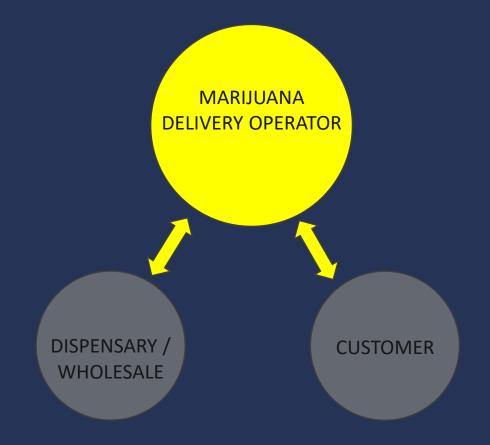
NO SALES ALLOWED

## **DELIVERY & COURIER**

#### MARIJUANA COURIER

- THIS LICENSE ALLOWS FOR THE DELIVERY OF MARIJUANA DIRECTLY TO CONSUMERS OR PATIENTS AT HOME
- LICENSE HOLDER MUST HAVE AN AGREEMENT WITH THE MTC OR ME FROM WHICH THE PRODUCT ORIGINANATES
- COURIERS ARE NOT ALLOWED TO MAKE SALES, ONLY FULFILL ORDERS FROM MTCs OR Mes
- THIS DELIVERY METHOD IS SIMILAR TO DOOR DASH OR GRUB HUB IN THAT THE DRIVERS PICK UP FROM THE DISPENSARY AND DELVIER TO CUSTOMERS





### MARIJUANA DELIVERY OPERATOR

- THIS LICENSE ALLOWS FOR THE PURCHASE, STORAGE, AND DELIVERY OF CANNABIS PRODUCTS DIRECTLY TO CONSUMERS
- OPERATOR IS ALLOWED TO WHOLESALE AND STORE PRODUCT IN THEIR OWN WAREHOUSES FOR DELIVERY UPON RECEIPT OF ORDERS
- THIS IS THE "AMAZON" STYLE OF DELIVERY WHERE MULIPLE VENDORS OR BRANDS ARE HELD IN STOCK FOR DELIVERY DIRECTLY FROM THE OPERATOR WAREHOUSE

## WHAT IS A DISPENSARY?



SEED ME & CANNABIS MUSEUM

PHOTO BY BOSTON GLOBE

COMMERCIAL CORRIDOR TENANT FITOUT



NATURE'S REMEDY ME TYNGSBOROUGH, MA

NEW CONSTRUCTION STANDALONE



NETA MTC & ME BROOKLINE, MA

PHOTO BY NETACARE.ORG

ADAPTIVE REUSE OF HISTORIC BANK



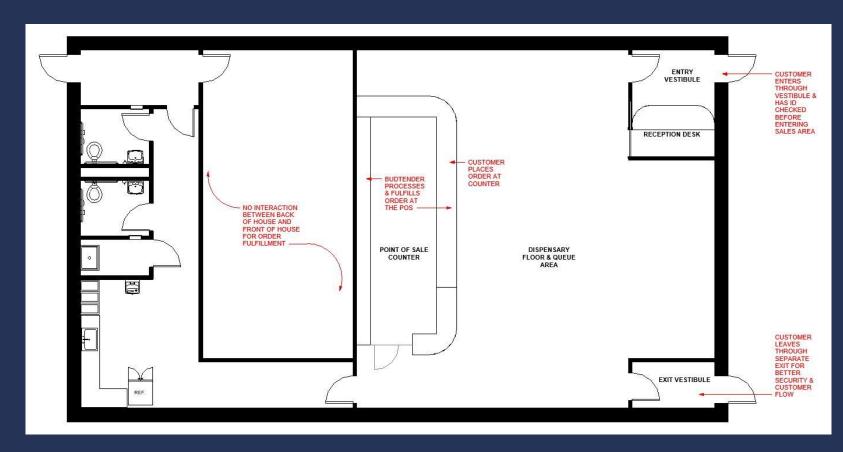
RISE CANNABIS ME DRACUT, MA

ADAPTIVE REUSE OF FORMER MILL BUILDING



Dispensaries can be located nearly anywhere –standalone buildings, strip malls, industrial parks, commercial corridors, etc.

## THE BAKERY APPROACH





PARTIOT CARE ME & MTC IN GREENFIELD, MA

PHOTO FROM DISPENSARY GENIE

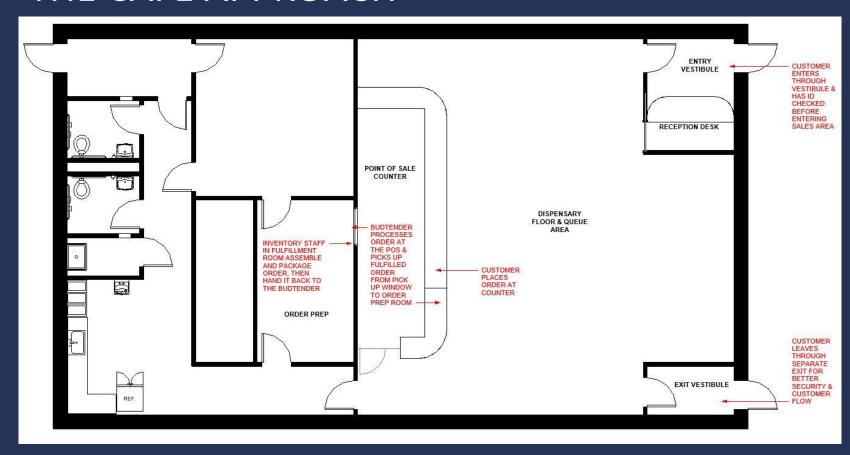
**BOTTOM RIGHT:** 

THE GREEN JOINT DISPENSARY IN RIFLE, CO PHOTO FROM THEGREENJOINT.COM





# THE CAFE APPROACH





GREENSTAR HERBALS IN DRACUT, MA

PHOTO FROM NEREJ MAGAZINE ONLINE

**BOTTOM RIGHT:** 

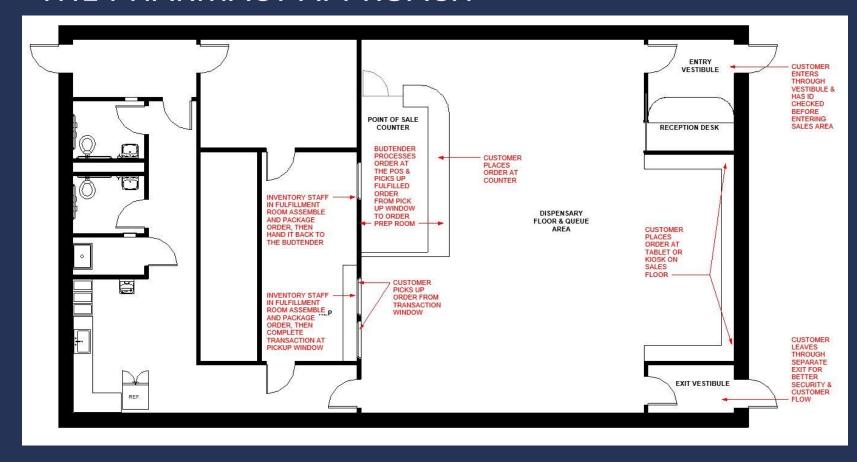
SIRA NATURALS DISPENSARY IN SOMERVILLE, MA

PHOTO FROM SIRA NATURALS WEBSITE





## THE PHARMACY APPROACH



**TOP RIGHT:** 

REVOLUTIONARY CLINICS IN SOMERVILLE, MA

PHOTO FROM LEAFLY

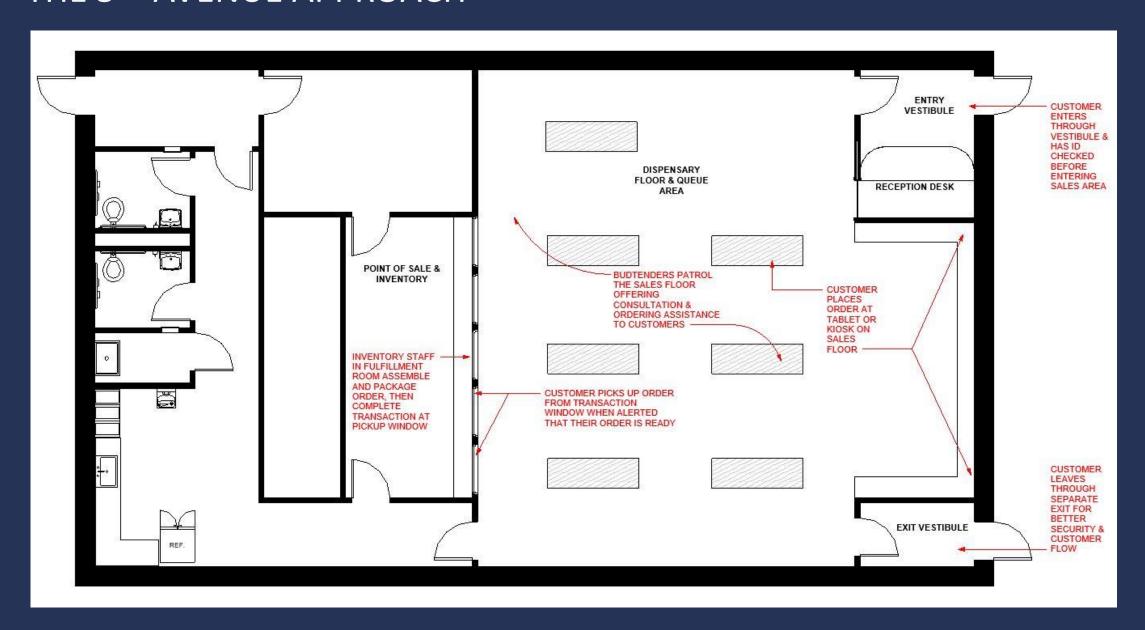
**BOTTOM RIGHT:** 

SOCIETY CANNABIS IN CLINTON, MA

PHOTO FROM SOCIETY CANNABIS WEBSITE



## THE 5<sup>TH</sup> AVENUE APPROACH



### WHAT ARE SOME COMMON MISCONCEPTIONS ABOUT DISPENSARIES?

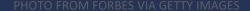


""WHEN THE REGULATIONS WERE FIRST PUT IN PLACE
AND WE WERE NEGOTIATING HOST COMMUNITY
AGREEMENTS, I DON'T THINK ANYONE KNEW WHAT THE
POTENTIAL IMPACTS WOULD BE," NORTHAMPTON MAYOR
DAVID NARKEWICZ TOLD THE GLOBE. "BUT NOW, GIVEN
MORE EXPERIENCE, WE UNDERSTAND THAT IN MOST
RESPECTS THESE BUSINESSES OPERATE LIKE ANY OTHER
BUSINESS..."

- MJBIZDAILY INTERVIEW 2021



PHOTO FROM TRIP ADVISOR



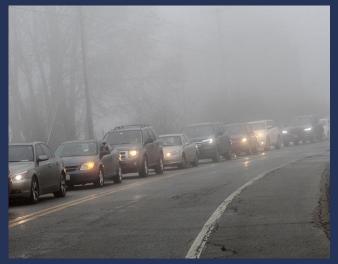






PHOTO FROM BOSTON GLOBE PHOTO FROM WEED MAPS PHOTO FROM MJBIZDAIL'

### WHAT IS A CULTIVATION FACILITY?

- Cultivation facilities are needed for both medical and recreational cannabis
- Cultivation facilities are generally where all cannabis flower is grown and processed. These facilities can be completely indoor, hybrid indoor & greenhouses, or hybrid indoor & outdoor.
- In the northeast, most cultivation facilities are entirely indoors due to climate conditions and the specific needs for growing cannabis plants.
- Cultivation facilities are frequently built out in phases. This is for speed to market and to start making money to pay for construction in later phases.
- Every grower has a different method, so each cultivation facility is different operationally.



SOLAR THERAPEUTICS
TIER 5 INDOOR
SOMERSET, MA

FORMER RECYCLING PLANT & COMMERCIAL BUILDING

PHOTO BY HERALD NEWS



REVOLUTIONARY CLINICS
TIER 8 INDOOR
FITCHBURG, MA

FORMER INDUSTRIAL MILL BUILDING

PHOTO BY REVOLUTIONARY CLINICS



APOTHCA
TIER 5 INDOOR
FITCHBURG, MA

FORMER PHARMACEUTICAL PLANT NEW GREENHOUSES

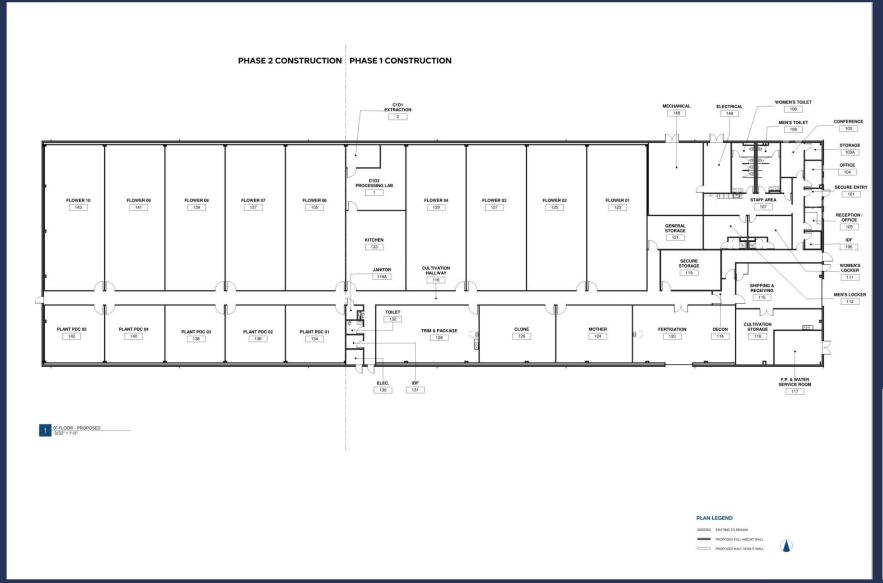
PHOTO BY PR NEWSWIRE



Cultivation facilities are usually located in industrial zones, agricultural land, or repurposed commercial/industrial buildings.

&

### WHAT IS A CULTIVATION FACILITY?





LEFT: CULTIVATION FACILITY OVERALL FLOOR PLAN

**TOP: CANNABIS FLOWER** 

**BOTTOM: PRE-ROLLS** 

**PHOTOS VIA WEEDMAPS** 



# **CULTIVATION PROCESS**



**MOTHER PLANTS** 

PHOTO BY HIGH TIMES



**CLONE PLANTS** 

PHOTO BY BOSTON GLOBE



**VEG PLANTS** 

PHOTO BY BOSTON GLOBE



**FLOWER PLANTS** 

PHOTO BY BOSTON GLOBE



**DRY ROOM** 

PHOTO BY NORWICH UNIVERSITY



TRIM ROOM

PHOTO BY BOSTON GLOBE

# CULTIVATION FURNITURE, FIXTURES, AND EQUIPMENT







TOP LEFT: AIR HANDLER / PACKAGE UNIT INSTALLED AT COLLEGE PHOTO BY ODELL ASSOCIATES

TOP CENTER:

CHILLER INSTALLED AT HOTEL

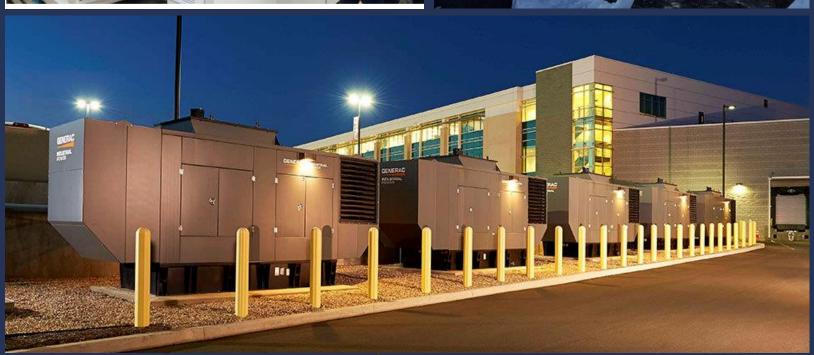
PHOTO BY DAIKIN

TOP RIGHT:

CO2 TANK INSTALLED AT CULTIVATION FACILITY
PHOTO BY CAC

воттом:

GENERATORS INSTALLED AT HOSPITAL PHOTO BY CS DIESEL GENERATORS



# CULTIVATION FURNITURE, FIXTURES, AND EQUIPMENT







#### LEFT:

MOVABLE VERTICAL GROW RACKING
PHOTO BY SPACE SAVER

#### TOP CENTER:

FERTIGATION SYSTEM & WATER TANKS
PHOTO BY RHYTHM CSS

#### **BOTTOM CENTER:**

GREEN WORK LIGHTS

РНОТО ВУ САС

# **EXTRACTION**









TOP LEFT:

EXTRACTION LAB / ROTOVAPS

PHOTO BY AROMA LABS

BOTTOM LEFT:

**FULL SPECTRUM EXTRACT** 

PHOTO BY LEAFLY

**BOTTOM CENTER:** 

**VAPE CARTRIDGES** 

PHOTO BY CANNABIS BUSINESS TIMES

TOP RIGHT:

**EXTRACTS** 

PHOTO BY KEYTOCANNABIS.COM

# MANUFACTURING









TOP ROW: MINTS, TINCTURE, HONEY, OLIVE OIL / COOKING OIL

MIDDLE ROW: TEA, BEER, CHOCOLATE, TOPICAL (BALMS & LOTIONS)

BOTTOM ROW: DRINKS, GUMMIES, COFFEE PODS, CHEWING GUM

















## WHAT OTHER TYPES OF FACILITIES ARE FACTORY F-1 USE?













