



STATE OF
OHIO
BOARD OF PHARMACY

Ohio Medical Marijuana Control Program



Ohio Medical Marijuana Dispensary Application 127 OH, LLC Application ID 887

Demographic Information(Business Contact)

A-1.1 Business Name, as it appears on the Applicant's certificate of incorporation, charter, bylaws, partnership agreement or other legal business formation documents

127 OH, LLC

A-1.2 Other trade names and DBA (doing business as) names

BLOOM MEDICINALS, LLC

A-1.3 Business Street Address

127 NW 13TH ST. SUITE C-13

A-1.4 City

BOCA RATON

A-1.5 State

FL

A-1.6 Zip Code

33432

A-1.7 Phone

5616203600

A-1.8 Email

NICOLE@MIDWESTCOMPASSION.ORG

Demographic Information(Primary Contact/Registered Agent)

A-2.1 Please select: Primary Contact, or Registered Agent for this Application

PRIMARY CONTACT

A-2.2 First Name

NICOLE

A-2.3 Middle Name

No response provided by applicant

A-2.4 Last Name

VAN RENSBURG

A-2.5 Street Address

127 NW 13TH ST. SUITE C-13

A-2.6 City

BOCA RATON

A-2.7 State

FL

A-2.8 Zip Code

33432

A-2.9 Phone

5616203600

A-2.10 Email

NICOLE@MIDWESTCOMPASSION.ORG

Demographic Information(Applicant Organization and Tax Status)

A-3.1 Select One

Limited Liability Company

A-3.1A If other, explain

No response provided by applicant

A-3.2 State of Incorporation or Registration

FL

A-3.3 Date of Formation

05/09/2017

A-3.4 Business Name on Formation Documents

127 OH, LLC

A-3.5 Federal Employer ID number

This response has been entirely redacted

A-3.6 Ohio Unemployment Compensation Account Number

This response has been entirely redacted

A-3.7 Ohio Department of Taxation Number (if Applicant is currently doing business in Ohio)

This response has been entirely redacted

A-3.8 Ohio Workers' Compensation Policy Number (if Applicant is currently doing business in Ohio)

This response has been entirely redacted

A-3.9 The Applicant attests that workers' compensation insurance will be obtained by the time the State of Ohio Board of Pharmacy determines the Applicant to be operational under the Act and regulations.

YES

A-3.10 Has the Applicant operated and conducted business in any jurisdiction other than Ohio in the past three years? If you select "**Yes**", answer question A-3.10.1 below.

NO

A-3.10.1 If "**Yes**" to question A-3.10, for each instance relevant to question A-3.10, provide the following:

- Legal Business Name
- Business Address
- Federal Employee ID Number

Demographic Information(Economically Disadvantaged Business)

A-4.1 The Applicant attests that at least fifty-one percent of the business, including corporate stock if a corporation, is owned by persons who belong to one or more of the groups set forth in this division, and that those owners have control over the management and day-to-day operations of the business and an interest in the capital, assets, and profits and losses of the business proportionate to their percentage of ownership. [ORC 3796.10](#)

NO

Demographic Information(District Information)

A-5.1 Please select to indicate the medical marijuana dispensary Ohio district for which you are applying for a dispensary license

SOUTHEAST-3

A-5.2 Please select to indicate the medical marijuana dispensary Ohio county for which you are applying for a dispensary license

Franklin

Demographic Information(Prospective Associated Key Employees Details)

Item 1 of 7

A-6.1 First Name

NICOLE

A-6.2 Middle Name

No response provided by applicant

A-6.3 Last Name

VAN RENSBURG

A-6.4 Suffix

No response provided by applicant

A-6.5 Occupation

BUSINESS OWNER

A-6.6 Title in the Applicant's business

CEO

A-6.7 Applicant's business related compensation

SHAREHOLDER/EQUITY

A-6.8 Number of shares owned

25%

A-6.9 Types of shares owned

N/A

A-6.10 Percent interest in Applicant's business

25%

A-6.11 Voting percentage

25%

A-6.12 Proposed Role

OWNER

A-6.13 Please include any contributions of money, equipment, real estate and expertise

MONEY AND EXPERTISE

A-6.14 Date of birth

This response has been entirely redacted

A-6.15 Social Security Number (use "N/A" if unavailable)

This response has been entirely redacted

A-6.16 Street Address

3641 CARLTON PLACE

A-6.17 City

BOCA RATON

A-6.18 State

FL

A-6.19 Zip Code

33496

A-6.20 Phone

5613053656

A-6.21 Email

NICOLE@MIDWESTCOMPASSION.ORG

A-6.22 Race/Ethnicity: (Only answer if applying as an Economically Disadvantaged Business)

No response provided by applicant

A-6.23 If the Prospective Associated Key Employee maintains an Ohio residence, please provide the length of time for which Ohio residency has been established:

N/A

A-6.24 Attach verification of identity. The following are acceptable forms of verification of identity:

- Unexpired, valid state-issued driver's license.
- Unexpired, valid photographic identification issued by the Ohio Bureau of Motor Vehicles or the equivalent from another state.
- Unexpired, valid United States passport.

This response has been entirely redacted

A-6.25 Tax Authorization: Each Prospective Associated Key Employee with an aggregate ownership interest of ten percent or more in the Applicant, must print, manually sign and attach a copy of the Tax Authorization Form. The State Board of Pharmacy may, in its discretion, require an owner or person who exercises substantial control over a proposed dispensary, but who has less than a ten percent

ownership interest, to comply with statutory and regulatory ownership requirements. [ORC 3796.10](#), [OAC 3796:6-2-02](#)

This response has been entirely redacted

Demographic Information(Prospective Associated Key Employees Details)

Item 2 of 7

A-6.1 First Name

WILLIAM

A-6.2 Middle Name

No response provided by applicant

A-6.3 Last Name

HOLLANDER

A-6.4 Suffix

No response provided by applicant

A-6.5 Occupation

BUSINESS OWNER

A-6.6 Title in the Applicant's business

COO

A-6.7 Applicant's business related compensation

SHAREHOLDER/EQUITY

A-6.8 Number of shares owned

25%

A-6.9 Types of shares owned

N/A

A-6.10 Percent interest in Applicant's business

25%

A-6.11 Voting percentage

25%

A-6.12 Proposed Role

OWNER

A-6.13 Please include any contributions of money, equipment, real estate and expertise

MONEY AND EXPERTISE

A-6.14 Date of birth

This response has been entirely redacted

A-6.15 Social Security Number (use "N/A" if unavailable)

This response has been entirely redacted

A-6.16 Street Address

571 SILVER LANE

A-6.17 City

BOCA RATON

A-6.18 State

FL

A-6.19 Zip Code

33432

A-6.20 Phone

5613501593

A-6.21 Email

WILLIAM@MIDWESTCOMPASSION.ORG

A-6.22 Race/Ethnicity: (Only answer if applying as an Economically Disadvantaged Business)

No response provided by applicant

A-6.23 If the Prospective Associated Key Employee maintains an Ohio residence, please provide the length of time for which Ohio residency has been established:

N/A

A-6.24 Attach verification of identity. The following are acceptable forms of verification of identity:

- Unexpired, valid state-issued driver's license.
- Unexpired, valid photographic identification issued by the Ohio Bureau of Motor Vehicles or the equivalent from another state.
- Unexpired, valid United States passport.

This response has been entirely redacted

A-6.25 Tax Authorization: Each Prospective Associated Key Employee with an aggregate ownership interest of ten percent or more in the Applicant, must print, manually sign and attach a copy of the Tax Authorization Form. The State Board of Pharmacy may, in its discretion, require an owner or person who exercises substantial control over a proposed dispensary, but who has less than a ten percent

ownership interest, to comply with statutory and regulatory ownership requirements. [ORC 3796.10](#), [OAC 3796:6-2-02](#)

This response has been entirely redacted

Demographic Information(Prospective Associated Key Employees Details)

Item 3 of 7

A-6.1 First Name

STEVEN

A-6.2 Middle Name

No response provided by applicant

A-6.3 Last Name

SANDLER

A-6.4 Suffix

No response provided by applicant

A-6.5 Occupation

BUSINESS OWNER

A-6.6 Title in the Applicant's business

CFO

A-6.7 Applicant's business related compensation

SHAREHOLDER/EQUITY

A-6.8 Number of shares owned

50%

A-6.9 Types of shares owned

N/A

A-6.10 Percent interest in Applicant's business

50%

A-6.11 Voting percentage

50%

A-6.12 Proposed Role

OWNER

A-6.13 Please include any contributions of money, equipment, real estate and expertise

MONEY AND EXPERTISE

A-6.14 Date of birth

This response has been entirely redacted

A-6.15 Social Security Number (use "N/A" if unavailable)

This response has been entirely redacted

A-6.16 Street Address

1357 HARRIS RD.

A-6.17 City

VIRGINIA BEACH

A-6.18 State

VA

A-6.19 Zip Code

23452

A-6.20 Phone

7575760602

A-6.21 Email

STEVE@LMSSI.COM

A-6.22 Race/Ethnicity: (Only answer if applying as an Economically Disadvantaged Business)

No response provided by applicant

A-6.23 If the Prospective Associated Key Employee maintains an Ohio residence, please provide the length of time for which Ohio residency has been established:

N/A

A-6.24 Attach verification of identity. The following are acceptable forms of verification of identity:

- Unexpired, valid state-issued driver's license.
- Unexpired, valid photographic identification issued by the Ohio Bureau of Motor Vehicles or the equivalent from another state.
- Unexpired, valid United States passport.

This response has been entirely redacted

A-6.25 Tax Authorization: Each Prospective Associated Key Employee with an aggregate ownership interest of ten percent or more in the Applicant, must print, manually sign and attach a copy of the Tax Authorization Form. The State Board of Pharmacy may, in its discretion, require an owner or person who exercises substantial control over a proposed dispensary, but who has less than a ten percent

ownership interest, to comply with statutory and regulatory ownership requirements. [ORC 3796.10](#), [OAC 3796:6-2-02](#)

This response has been entirely redacted

Demographic Information(Prospective Associated Key Employees Details)

Item 4 of 7

A-6.1 First Name

GREG

A-6.2 Middle Name

No response provided by applicant

A-6.3 Last Name

GAMET

A-6.4 Suffix

No response provided by applicant

A-6.5 Occupation

BUSINESS OWNER

A-6.6 Title in the Applicant's business

CHIEF PROCUREMENT OFFICER

A-6.7 Applicant's business related compensation

SALARY/HOURLY

A-6.8 Number of shares owned

NONE

A-6.9 Types of shares owned

N/A

A-6.10 Percent interest in Applicant's business

NONE

A-6.11 Voting percentage

NONE

A-6.12 Proposed Role

OFFICER

A-6.13 Please include any contributions of money, equipment, real estate and expertise

EXPERTISE AS DISPENSARY AND CULTIVATION CENTER OWNER/OPERATOR

A-6.14 Date of birth

This response has been entirely redacted

A-6.15 Social Security Number (use "N/A" if unavailable)

This response has been entirely redacted

A-6.16 Street Address

601 POWELL PLACE

A-6.17 City

NEWPORT BEACH

A-6.18 State

CA

A-6.19 Zip Code

92663

A-6.20 Phone

7203522380

A-6.21 Email

GREG@DENVERCONSULTINGGROUP.COM

A-6.22 Race/Ethnicity: (Only answer if applying as an Economically Disadvantaged Business)

No response provided by applicant

A-6.23 If the Prospective Associated Key Employee maintains an Ohio residence, please provide the length of time for which Ohio residency has been established:

N/A

A-6.24 Attach verification of identity. The following are acceptable forms of verification of identity:

- Unexpired, valid state-issued driver's license.
- Unexpired, valid photographic identification issued by the Ohio Bureau of Motor Vehicles or the equivalent from another state.
- Unexpired, valid United States passport.

This response has been entirely redacted

A-6.25 Tax Authorization: Each Prospective Associated Key Employee with an aggregate ownership interest of ten percent or more in the Applicant, must print, manually sign and attach a copy of the Tax Authorization Form. The State Board of Pharmacy may, in its discretion, require an owner or person who exercises substantial control over a proposed dispensary, but who has less than a ten percent

ownership interest, to comply with statutory and regulatory ownership requirements. [ORC 3796.10](#), [OAC 3796:6-2-02](#)

This response has been entirely redacted

Demographic Information(Prospective Associated Key Employees Details)

Item 5 of 7

A-6.1 First Name

DAVID

A-6.2 Middle Name

No response provided by applicant

A-6.3 Last Name

YIN

A-6.4 Suffix

No response provided by applicant

A-6.5 Occupation

MEDICAL DOCTOR

A-6.6 Title in the Applicant's business

MEDICAL DIRECTOR

A-6.7 Applicant's business related compensation

SALARY/HOURLY

A-6.8 Number of shares owned

NONE

A-6.9 Types of shares owned

N/A

A-6.10 Percent interest in Applicant's business

NONE

A-6.11 Voting percentage

NONE

A-6.12 Proposed Role

OFFICER

A-6.13 Please include any contributions of money, equipment, real estate and expertise

PROVIDING EXPERTISE AS A MEDICAL DIRECTOR

A-6.14 Date of birth

This response has been entirely redacted

A-6.15 Social Security Number (use "N/A" if unavailable)

This response has been entirely redacted

A-6.16 Street Address

2077 E. 4TH ST. APT. 5E

A-6.17 City

CLEVELAND

A-6.18 State

OH

A-6.19 Zip Code

04115

A-6.20 Phone

7573239207

A-6.21 Email

YINDM@VCU.EDU

A-6.22 Race/Ethnicity: (Only answer if applying as an Economically Disadvantaged Business)

No response provided by applicant

A-6.23 If the Prospective Associated Key Employee maintains an Ohio residence, please provide the length of time for which Ohio residency has been established:

7 YEARS

A-6.24 Attach verification of identity. The following are acceptable forms of verification of identity:

- Unexpired, valid state-issued driver's license.
- Unexpired, valid photographic identification issued by the Ohio Bureau of Motor Vehicles or the equivalent from another state.
- Unexpired, valid United States passport.

This response has been entirely redacted

A-6.25 Tax Authorization: Each Prospective Associated Key Employee with an aggregate ownership interest of ten percent or more in the Applicant, must print, manually sign and attach a copy of the Tax Authorization Form. The State Board of Pharmacy may, in its discretion, require an owner or person who exercises substantial control over a proposed dispensary, but who has less than a ten percent

ownership interest, to comply with statutory and regulatory ownership requirements. [ORC 3796.10](#), [OAC 3796:6-2-02](#)

This response has been entirely redacted

Demographic Information(Prospective Associated Key Employees Details)

Item 6 of 7

A-6.1 First Name

MY

A-6.2 Middle Name

No response provided by applicant

A-6.3 Last Name

NGUYEN

A-6.4 Suffix

No response provided by applicant

A-6.5 Occupation

PHARMACIST

A-6.6 Title in the Applicant's business

CLINICAL DIRECTOR

A-6.7 Applicant's business related compensation

SALARY/HOURLY

A-6.8 Number of shares owned

NONE

A-6.9 Types of shares owned

N/A

A-6.10 Percent interest in Applicant's business

NONE

A-6.11 Voting percentage

NONE

A-6.12 Proposed Role

OFFICER

A-6.13 Please include any contributions of money, equipment, real estate and expertise

PROVIDING EXPERTISE AS PHARMACIST AND DISPENSING BEST PRACTICES

A-6.14 Date of birth

This response has been entirely redacted

A-6.15 Social Security Number (use "N/A" if unavailable)

This response has been entirely redacted

A-6.16 Street Address

2017 E. 9TH ST.

A-6.17 City

CLEVELAND

A-6.18 State

OH

A-6.19 Zip Code

44115

A-6.20 Phone

6026793492

A-6.21 Email

MNN061517@GMAIL.COM

A-6.22 Race/Ethnicity: (Only answer if applying as an Economically Disadvantaged Business)

No response provided by applicant

A-6.23 If the Prospective Associated Key Employee maintains an Ohio residence, please provide the length of time for which Ohio residency has been established:

2 MONTHS OHIO RESIDENCY

A-6.24 Attach verification of identity. The following are acceptable forms of verification of identity:

- Unexpired, valid state-issued driver's license.
- Unexpired, valid photographic identification issued by the Ohio Bureau of Motor Vehicles or the equivalent from another state.
- Unexpired, valid United States passport.

This response has been entirely redacted

A-6.25 Tax Authorization: Each Prospective Associated Key Employee with an aggregate ownership interest of ten percent or more in the Applicant, must print, manually sign and attach a copy of the Tax Authorization Form. The State Board of Pharmacy may, in its discretion, require an owner or person who exercises substantial control over a proposed dispensary, but who has less than a ten percent

ownership interest, to comply with statutory and regulatory ownership requirements. [ORC 3796.10](#), [OAC 3796:6-2-02](#)

This response has been entirely redacted

Demographic Information(Prospective Associated Key Employees Details)

Item 7 of 7

A-6.1 First Name

STEPHEN

A-6.2 Middle Name

No response provided by applicant

A-6.3 Last Name

HEDGE

A-6.4 Suffix

No response provided by applicant

A-6.5 Occupation

SUBSTANCE ABUSE / MENTAL HEALTH COUNSELOR

A-6.6 Title in the Applicant's business

SUBSTANCE ABUSE DIRECTOR

A-6.7 Applicant's business related compensation

SALARY/HOURLY

A-6.8 Number of shares owned

NONE

A-6.9 Types of shares owned

N/A

A-6.10 Percent interest in Applicant's business

NONE

A-6.11 Voting percentage

NONE

A-6.12 Proposed Role

OFFICER

A-6.13 Please include any contributions of money, equipment, real estate and expertise

EXPERTISE AS A SUBSTANCE ABUSE COUNSELOR

A-6.14 Date of birth

This response has been entirely redacted

A-6.15 Social Security Number (use "N/A" if unavailable)

This response has been entirely redacted

A-6.16 Street Address

278 CHRISWOOD CT

A-6.17 City

COLUMBUS

A-6.18 State

OH

A-6.19 Zip Code

43235

A-6.20 Phone

6148471616

A-6.21 Email

SAHEDGE@AOL.COM

A-6.22 Race/Ethnicity: (Only answer if applying as an Economically Disadvantaged Business)

No response provided by applicant

A-6.23 If the Prospective Associated Key Employee maintains an Ohio residence, please provide the length of time for which Ohio residency has been established:

40 YEARS

A-6.24 Attach verification of identity. The following are acceptable forms of verification of identity:

- Unexpired, valid state-issued driver's license.
- Unexpired, valid photographic identification issued by the Ohio Bureau of Motor Vehicles or the equivalent from another state.
- Unexpired, valid United States passport.

This response has been entirely redacted

A-6.25 Tax Authorization: Each Prospective Associated Key Employee with an aggregate ownership interest of ten percent or more in the Applicant, must print, manually sign and attach a copy of the Tax Authorization Form. The State Board of Pharmacy may, in its discretion, require an owner or person who exercises substantial control over a proposed dispensary, but who has less than a ten percent

ownership interest, to comply with statutory and regulatory ownership requirements. [ORC 3796.10](#), [OAC 3796:6-2-02](#)

This response has been entirely redacted

Compliance(Compliance with Applicable Laws and Regulations)

B-1.1 By selecting “Yes”, the Applicant, as well as all individually identified Prospective Associated Key Employees listed in this provisional license application, agree to comply with all applicable Ohio laws and regulations relating to the operation of a medical marijuana dispensary.

YES

B-1.2 By selecting “Yes”, the Applicant understands and attests that it must establish and maintain an escrow account or surety bond in the amount of \$50,000 as a condition precedent to receiving a medical marijuana certificate of operation. [OAC 3796:6-2-11](#)

YES

Compliance(Civil and Administrative Action)

B-2.1 Has the Applicant been the subject of an action resulting in sanctions, disciplinary actions or civil monetary penalties or fines being imposed relating to a registration, license, provisional license or any other authorization to cultivate, process, or dispense medical marijuana in any state?

NO

B-2.2 Has the Applicant been the subject of a civil or administrative action relating to a registration, license, provisional license or authorization to cultivate, process, or dispense medical marijuana in any state?

NO

B-2.3 Has criminal, civil, or administrative action been taken against the Applicant for obtaining a registration, license, provisional license or other authorization to operate as a cultivator, processor, or dispensary of medical marijuana in any jurisdiction by fraud, misrepresentation, or the submission of false information?

NO

B-2.4 Has criminal, civil or administrative action been taken against the Applicant under the laws of Ohio or any other state, the United States or a military, territorial or tribal authority, relating to any of the Applicant's Prospective Associated Key Employees' profession or occupation?

NO

B-2.4.1 If "Yes" to any question in B-2, provide the following: Respondent / Defendant, Name of Case and Docket Number, Nature of Charge or Complaint, Date of Charge or Complaint, Disposition, Name and Address of the Administrative Agency Involved, and the Jurisdictional Court (Specify Federal, State and/or Local Jurisdictions)

No response provided by applicant

Compliance(Prospective Associated Key Employee Compliance)

Item 1 of 7

B-3.1 First Name

NICOLE

B-3.2 Middle Name

No response provided by applicant

B-3.3 Last Name

VAN RENSBURG

B-3.4 Proposed Role

OWNER

B-3.5 Position/Title

CEO

B-3.6 Brief description of role

PROVIDES STRATEGIC DIRECTION AND ORGANIZATIONAL LEADERSHIP FOR IMPLEMENTING LONG AND SHORT TERM PLANS

B-3.7 Has this individual served, or are they currently serving as an owner, officer, or board member of another medical marijuana entity in Ohio or the United States?

YES

B-3.7.1 If "Yes" to B-3.7, please provide the entity Name and Address.

MIDWEST COMPASSION CENTER
1335 LAKESIDE DR. UNIT 4
ROMEDEVILLE, IL 60446

MARYLEAF DBA BLOOM MEDICINALS
11530 MIDDLEBROOK RD
GERMANTOWN, MD 20876

B-3.8 Has this individual had ownership or financial interest, or do they currently have ownership or financial interest of another medical marijuana entity in Ohio or the United States?

YES

B-3.8.1 If "Yes" to B-3.8, please provide the entity Name and Address.

MIDWEST COMPASSION CENTER
1335 LAKESIDE DR. UNIT 4
ROMEDEVILLE, IL 60446

MARYLEAF DBA BLOOM MEDICINALS
11530 MIDDLEBROOK RD
GERMANTOWN, MD 20876

B-3.9 Has this individual ever been convicted of, or are charges pending for, a [disqualifying offense](#)? Include instances in which a court granted intervention in lieu of treatment (also known as treatment in lieu of conviction, ILC, or TLC), or other diversion programs. Offenses must be reported regardless of whether the case has been sealed, as described in section [2953.32 of the Revised Code](#), or the equivalent thereof in another jurisdiction.

NO

B-3.9.1 If "Yes" to B-3.9, please provide the following: Defendant, Name of Case and Docket Number, Nature of Charge or Complaint, Date of Charge or Complaint, Disposition, and Jurisdictional Court (Specify Federal, State and/or Local Jurisdictions)

No response provided by applicant

B-3.10 Has the individual ever been convicted of, or are charges pending for, any other felony offense under state or federal law?

NO

B-3.10.1 If "Yes", please provide the following: Defendant, Name of Case and Docket Number, Nature of Charge or Complaint, Date of Charge or Complaint, Disposition, and Jurisdictional Court (Specify Federal, State and/or Local Jurisdictions)

No response provided by applicant

B-3.11 Has the individual ever been convicted of, or are charges pending for, a crime (felony or misdemeanor) involving an act of moral turpitude?

NO

B-3.11.1 If "Yes", please provide the following: Defendant, Name of Case and Docket Number, Nature of Charge or Complaint, Date of Charge or Complaint, Disposition, and Jurisdictional Court (Specify Federal, State and/or Local Jurisdictions)

No response provided by applicant

B-3.12 Has this individual ever been disciplined by the State of Ohio Board of Pharmacy or any other licensing body.

NO

B-3.12.1 If "Yes", please provide the following: Name, Name and Address of Licensing Board, License Number, Nature of Charge or Complaint, Date of Charge or Complaint, Disposition, Name and Address of the Administrative Agency Involved

No response provided by applicant

B-3.13 Has the individual ever been denied a license by the Drug Enforcement Administration or

appropriate issuing body of any state or jurisdiction, or is such action pending?

NO

B-3.13.1 If "Yes" to B-3.13, the reason for doing so must be provided below.

No response provided by applicant

B-3.14 Has the individual ever been the subject of an investigation or disciplinary action by the Drug Enforcement Administration or appropriate issuing body of any state or jurisdiction that resulted in the surrender, suspension, revocation, or probation of the individual's license or registration?

NO

B-3.14.1 If "Yes" to B-3.14, the reason for doing so must be provided below.

No response provided by applicant

B-3.15 Has the individual ever been the subject of a disciplinary action by the Drug Enforcement Administration or appropriate issuing body of any state jurisdiction that was based in whole or in part, on the Applicant's prescribing, dispensing, diverting, administering, storing, personally furnishing, compounding, supplying, or selling a controlled substance or other dangerous drug (i.e. prescription drug), or is any such action pending?

NO

B-3.15.1 If "Yes" to B-3.15, the reason for doing so must be provided below.

No response provided by applicant

B-3.16 By selecting "Yes", this individual agrees to be enrolled in the Retained Applicant Fingerprint Database (Rapback) should the Applicant be awarded a provisional license.

YES

B-3.17 Has the individual been the subject of an action resulting in sanctions, disciplinary actions or civil monetary penalties being imposed relating to a registration, license, provisional license or any other authorization to cultivate, process, or dispense medical marijuana in any state?

NO

B-3.17.1 If "Yes" to B-3.17, the reason for doing so must be provided below.

No response provided by applicant

B-3.18 Has the individual been the subject of a civil or administrative action relating to a registration, license, provisional license or authorization to cultivate, process, or dispense medical marijuana in any state?

NO

B-3.18.1 If "Yes" to B-3.18, the reason for doing so must be provided below.

No response provided by applicant

B-3.19 Has the individual been accused of obtaining a registration, license, provisional license or other authorization to operate as a cultivator, processor, or dispensary of medical marijuana in any jurisdiction by fraud, misrepresentation, or the submission of false information?

NO

B-3.19.1 If "Yes" to B-3.19, the reason for doing so must be provided below.

No response provided by applicant

B-3.20 Has civil or administrative action been taken against the individual under the laws of Ohio or any other state, the United States or a military, territorial or tribal authority, relating to the individual's profession or occupation?

NO

B-3.20.1 If "Yes" to B-3.20, please provide the following: Defendant, Name of Case and Docket Number, Nature of Charge or Complaint, Date of Charge or Complaint, Disposition, Name and Address of the Administrative Agency Involved, and Jurisdictional Court (Specify Federal, State and/or Local Jurisdictions)

No response provided by applicant

B-3.21 By selecting "Yes", you attest to the following statement:

None of the Applicant's Prospective Associated Key Employees are a physician who has a certificate to recommend medical marijuana or who has applied for a certificate to recommend medical marijuana under section [4731.30 of the Revised Code](#).

YES

B-3.22 By selecting "Yes", you attest to the following statement:

None of the Applicant's Prospective Associated Key Employees have ownership, investment interest, or a compensation arrangement with a laboratory licensed under [Chapter 3796 of the Revised Code](#) or an Applicant for a license to conduct laboratory testing.

YES

Compliance(Prospective Associated Key Employee Compliance)

Item 2 of 7

B-3.1 First Name

WILLIAM

B-3.2 Middle Name

No response provided by applicant

B-3.3 Last Name

HOLLANDER

B-3.4 Proposed Role

OWNER

B-3.5 Position/Title

COO

B-3.6 Brief description of role

PROVIDES OPERATIONAL LEADERSHIP AND STRATEGIES FOR LONG AND SHORT TERM OPERATIONAL GOALS

B-3.7 Has this individual served, or are they currently serving as an owner, officer, or board member of another medical marijuana entity in Ohio or the United States?

YES

B-3.7.1 If "Yes" to B-3.7, please provide the entity Name and Address.

MIDWEST COMPASSION CENTER
1335 LAKESIDE DR. UNIT 4
ROMEDEVILLE, IL 60446

MARYLEAF DBA BLOOM MEDICINALS
11530 MIDDLEBROOK RD
GERMANTOWN, MD 20876

B-3.8 Has this individual had ownership or financial interest, or do they currently have ownership or financial interest of another medical marijuana entity in Ohio or the United States?

YES

B-3.8.1 If "Yes" to B-3.8, please provide the entity Name and Address.

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GERMANTOWN, MD 20876

B-3.9 Has this individual ever been convicted of, or are charges pending for, a [disqualifying offense](#)? Include instances in which a court granted intervention in lieu of treatment (also known as treatment in lieu of conviction, ILC, or TLC), or other diversion programs. Offenses must be reported regardless of whether the case has been sealed, as described in section [2953.32 of the Revised Code](#), or the equivalent thereof in another jurisdiction.

NO

B-3.9.1 If "Yes" to B-3.9, please provide the following: Defendant, Name of Case and Docket Number, Nature of Charge or Complaint, Date of Charge or Complaint, Disposition, and Jurisdictional Court (Specify Federal, State and/or Local Jurisdictions)

No response provided by applicant

B-3.10 Has the individual ever been convicted of, or are charges pending for, any other felony offense under state or federal law?

NO

B-3.10.1 If "Yes", please provide the following: Defendant, Name of Case and Docket Number, Nature of Charge or Complaint, Date of Charge or Complaint, Disposition, and Jurisdictional Court (Specify Federal, State and/or Local Jurisdictions)

No response provided by applicant

B-3.11 Has the individual ever been convicted of, or are charges pending for, a crime (felony or misdemeanor) involving an act of moral turpitude?

NO

B-3.11.1 If "Yes", please provide the following: Defendant, Name of Case and Docket Number, Nature of Charge or Complaint, Date of Charge or Complaint, Disposition, and Jurisdictional Court (Specify Federal, State and/or Local Jurisdictions)

No response provided by applicant

B-3.12 Has this individual ever been disciplined by the State of Ohio Board of Pharmacy or any other licensing body.

NO

B-3.12.1 If "Yes", please provide the following: Name, Name and Address of Licensing Board, License Number, Nature of Charge or Complaint, Date of Charge or Complaint, Disposition, Name and Address of the Administrative Agency Involved

No response provided by applicant

B-3.13 Has the individual ever been denied a license by the Drug Enforcement Administration or

appropriate issuing body of any state or jurisdiction, or is such action pending?

NO

B-3.13.1 If "Yes" to B-3.13, the reason for doing so must be provided below.

No response provided by applicant

B-3.14 Has the individual ever been the subject of an investigation or disciplinary action by the Drug Enforcement Administration or appropriate issuing body of any state or jurisdiction that resulted in the surrender, suspension, revocation, or probation of the individual's license or registration?

NO

B-3.14.1 If "Yes" to B-3.14, the reason for doing so must be provided below.

No response provided by applicant

B-3.15 Has the individual ever been the subject of a disciplinary action by the Drug Enforcement Administration or appropriate issuing body of any state jurisdiction that was based in whole or in part, on the Applicant's prescribing, dispensing, diverting, administering, storing, personally furnishing, compounding, supplying, or selling a controlled substance or other dangerous drug (i.e. prescription drug), or is any such action pending?

NO

B-3.15.1 If "Yes" to B-3.15, the reason for doing so must be provided below.

No response provided by applicant

B-3.16 By selecting "Yes", this individual agrees to be enrolled in the Retained Applicant Fingerprint Database (Rapback) should the Applicant be awarded a provisional license.

YES

B-3.17 Has the individual been the subject of an action resulting in sanctions, disciplinary actions or civil monetary penalties being imposed relating to a registration, license, provisional license or any other authorization to cultivate, process, or dispense medical marijuana in any state?

NO

B-3.17.1 If "Yes" to B-3.17, the reason for doing so must be provided below.

No response provided by applicant

B-3.18 Has the individual been the subject of a civil or administrative action relating to a registration, license, provisional license or authorization to cultivate, process, or dispense medical marijuana in any state?

NO

B-3.18.1 If "Yes" to B-3.18, the reason for doing so must be provided below.

No response provided by applicant

B-3.19 Has the individual been accused of obtaining a registration, license, provisional license or other authorization to operate as a cultivator, processor, or dispensary of medical marijuana in any jurisdiction by fraud, misrepresentation, or the submission of false information?

NO

B-3.19.1 If "Yes" to B-3.19, the reason for doing so must be provided below.

No response provided by applicant

B-3.20 Has civil or administrative action been taken against the individual under the laws of Ohio or any other state, the United States or a military, territorial or tribal authority, relating to the individual's profession or occupation?

NO

B-3.20.1 If "Yes" to B-3.20, please provide the following: Defendant, Name of Case and Docket Number, Nature of Charge or Complaint, Date of Charge or Complaint, Disposition, Name and Address of the Administrative Agency Involved, and Jurisdictional Court (Specify Federal, State and/or Local Jurisdictions)

No response provided by applicant

B-3.21 By selecting "Yes", you attest to the following statement:

None of the Applicant's Prospective Associated Key Employees are a physician who has a certificate to recommend medical marijuana or who has applied for a certificate to recommend medical marijuana under section [4731.30 of the Revised Code](#).

YES

B-3.22 By selecting "Yes", you attest to the following statement:

None of the Applicant's Prospective Associated Key Employees have ownership, investment interest, or a compensation arrangement with a laboratory licensed under [Chapter 3796 of the Revised Code](#) or an Applicant for a license to conduct laboratory testing.

YES

Compliance(Prospective Associated Key Employee Compliance)

Item 3 of 7

B-3.1 First Name

STEVEN

B-3.2 Middle Name

No response provided by applicant

B-3.3 Last Name

SANDLER

B-3.4 Proposed Role

OWNER

B-3.5 Position/Title

CFO

B-3.6 Brief description of role

MANAGES FINANCIAL RISK OF COMPANY, FINANCIAL PLANNING AND RECORDKEEPING AND REPORTING

B-3.7 Has this individual served, or are they currently serving as an owner, officer, or board member of another medical marijuana entity in Ohio or the United States?

YES

B-3.7.1 If "Yes" to B-3.7, please provide the entity Name and Address.

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MARYLEAF DBA BLOOM MEDICINALS
11530 MIDDLEBROOK RD
GERMANTOWN, MD 20876

B-3.8 Has this individual had ownership or financial interest, or do they currently have ownership or financial interest of another medical marijuana entity in Ohio or the United States?

YES

B-3.8.1 If "Yes" to B-3.8, please provide the entity Name and Address.

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1335 LAKESIDE DR. UNIT 4
ROMEDEVILLE, IL 60446

MARYLEAF DBA BLOOM MEDICINALS
11530 MIDDLEBROOK RD
GERMANTOWN, MD 20876

B-3.9 Has this individual ever been convicted of, or are charges pending for, a [disqualifying offense](#)? Include instances in which a court granted intervention in lieu of treatment (also known as treatment in lieu of conviction, ILC, or TLC), or other diversion programs. Offenses must be reported regardless of whether the case has been sealed, as described in section [2953.32 of the Revised Code](#), or the equivalent thereof in another jurisdiction.

NO

B-3.9.1 If "Yes" to B-3.9, please provide the following: Defendant, Name of Case and Docket Number, Nature of Charge or Complaint, Date of Charge or Complaint, Disposition, and Jurisdictional Court (Specify Federal, State and/or Local Jurisdictions)

No response provided by applicant

B-3.10 Has the individual ever been convicted of, or are charges pending for, any other felony offense under state or federal law?

NO

B-3.10.1 If "Yes", please provide the following: Defendant, Name of Case and Docket Number, Nature of Charge or Complaint, Date of Charge or Complaint, Disposition, and Jurisdictional Court (Specify Federal, State and/or Local Jurisdictions)

No response provided by applicant

B-3.11 Has the individual ever been convicted of, or are charges pending for, a crime (felony or misdemeanor) involving an act of moral turpitude?

NO

B-3.11.1 If "Yes", please provide the following: Defendant, Name of Case and Docket Number, Nature of Charge or Complaint, Date of Charge or Complaint, Disposition, and Jurisdictional Court (Specify Federal, State and/or Local Jurisdictions)

No response provided by applicant

B-3.12 Has this individual ever been disciplined by the State of Ohio Board of Pharmacy or any other licensing body.

NO

B-3.12.1 If "Yes", please provide the following: Name, Name and Address of Licensing Board, License Number, Nature of Charge or Complaint, Date of Charge or Complaint, Disposition, Name and Address of the Administrative Agency Involved

No response provided by applicant

B-3.13 Has the individual ever been denied a license by the Drug Enforcement Administration or

appropriate issuing body of any state or jurisdiction, or is such action pending?

NO

B-3.13.1 If "Yes" to B-3.13, the reason for doing so must be provided below.

No response provided by applicant

B-3.14 Has the individual ever been the subject of an investigation or disciplinary action by the Drug Enforcement Administration or appropriate issuing body of any state or jurisdiction that resulted in the surrender, suspension, revocation, or probation of the individual's license or registration?

NO

B-3.14.1 If "Yes" to B-3.14, the reason for doing so must be provided below.

No response provided by applicant

B-3.15 Has the individual ever been the subject of a disciplinary action by the Drug Enforcement Administration or appropriate issuing body of any state jurisdiction that was based in whole or in part, on the Applicant's prescribing, dispensing, diverting, administering, storing, personally furnishing, compounding, supplying, or selling a controlled substance or other dangerous drug (i.e. prescription drug), or is any such action pending?

NO

B-3.15.1 If "Yes" to B-3.15, the reason for doing so must be provided below.

No response provided by applicant

B-3.16 By selecting "Yes", this individual agrees to be enrolled in the Retained Applicant Fingerprint Database (Rapback) should the Applicant be awarded a provisional license.

YES

B-3.17 Has the individual been the subject of an action resulting in sanctions, disciplinary actions or civil monetary penalties being imposed relating to a registration, license, provisional license or any other authorization to cultivate, process, or dispense medical marijuana in any state?

NO

B-3.17.1 If "Yes" to B-3.17, the reason for doing so must be provided below.

No response provided by applicant

B-3.18 Has the individual been the subject of a civil or administrative action relating to a registration, license, provisional license or authorization to cultivate, process, or dispense medical marijuana in any state?

NO

B-3.18.1 If "Yes" to B-3.18, the reason for doing so must be provided below.

No response provided by applicant

B-3.19 Has the individual been accused of obtaining a registration, license, provisional license or other authorization to operate as a cultivator, processor, or dispensary of medical marijuana in any jurisdiction by fraud, misrepresentation, or the submission of false information?

NO

B-3.19.1 If "Yes" to B-3.19, the reason for doing so must be provided below.

No response provided by applicant

B-3.20 Has civil or administrative action been taken against the individual under the laws of Ohio or any other state, the United States or a military, territorial or tribal authority, relating to the individual's profession or occupation?

NO

B-3.20.1 If "Yes" to B-3.20, please provide the following: Defendant, Name of Case and Docket Number, Nature of Charge or Complaint, Date of Charge or Complaint, Disposition, Name and Address of the Administrative Agency Involved, and Jurisdictional Court (Specify Federal, State and/or Local Jurisdictions)

No response provided by applicant

B-3.21 By selecting "Yes", you attest to the following statement:

None of the Applicant's Prospective Associated Key Employees are a physician who has a certificate to recommend medical marijuana or who has applied for a certificate to recommend medical marijuana under section [4731.30 of the Revised Code](#).

YES

B-3.22 By selecting "Yes", you attest to the following statement:

None of the Applicant's Prospective Associated Key Employees have ownership, investment interest, or a compensation arrangement with a laboratory licensed under [Chapter 3796 of the Revised Code](#) or an Applicant for a license to conduct laboratory testing.

YES

Compliance(Prospective Associated Key Employee Compliance)

Item 4 of 7

B-3.1 First Name

GREG

B-3.2 Middle Name

No response provided by applicant

B-3.3 Last Name

GAMET

B-3.4 Proposed Role

OFFICER

B-3.5 Position/Title

CHIEF PROCUREMENT OFFICER

B-3.6 Brief description of role

OVERSIGHT OF DISPENSARY OPERATING PROCEDURES AND PRODUCT PROCUREMENT

B-3.7 Has this individual served, or are they currently serving as an owner, officer, or board member of another medical marijuana entity in Ohio or the United States?

YES

B-3.7.1 If "Yes" to B-3.7, please provide the entity Name and Address.

JGB VENTURES (DANK COLORADO)
3835 ELM ST.
DENVER, CO 80207

B-3.8 Has this individual had ownership or financial interest, or do they currently have ownership or financial interest of another medical marijuana entity in Ohio or the United States?

YES

B-3.8.1 If "Yes" to B-3.8, please provide the entity Name and Address.

JGB VENTURES (DANK COLORADO)
3835 ELM ST.
DENVER, CO 80207

B-3.9 Has this individual ever been convicted of, or are charges pending for, a [disqualifying offense](#)? Include instances in which a court granted intervention in lieu of treatment (also known as treatment in lieu of conviction, ILC, or TLC), or other diversion programs. Offenses must be reported regardless of whether the case has been sealed, as described in section [2953.32 of the Revised Code](#), or the

equivalent thereof in another jurisdiction.

NO

B-3.9.1 If "Yes" to B-3.9, please provide the following: Defendant, Name of Case and Docket Number, Nature of Charge or Complaint, Date of Charge or Complaint, Disposition, and Jurisdictional Court (Specify Federal, State and/or Local Jurisdictions)

No response provided by applicant

B-3.10 Has the individual ever been convicted of, or are charges pending for, any other felony offense under state or federal law?

NO

B-3.10.1 If "Yes", please provide the following: Defendant, Name of Case and Docket Number, Nature of Charge or Complaint, Date of Charge or Complaint, Disposition, and Jurisdictional Court (Specify Federal, State and/or Local Jurisdictions)

No response provided by applicant

B-3.11 Has the individual ever been convicted of, or are charges pending for, a crime (felony or misdemeanor) involving an act of moral turpitude?

NO

B-3.11.1 If "Yes", please provide the following: Defendant, Name of Case and Docket Number, Nature of Charge or Complaint, Date of Charge or Complaint, Disposition, and Jurisdictional Court (Specify Federal, State and/or Local Jurisdictions)

No response provided by applicant

B-3.12 Has this individual ever been disciplined by the State of Ohio Board of Pharmacy or any other licensing body.

NO

B-3.12.1 If "Yes", please provide the following: Name, Name and Address of Licensing Board, License Number, Nature of Charge or Complaint, Date of Charge or Complaint, Disposition, Name and Address of the Administrative Agency Involved

No response provided by applicant

B-3.13 Has the individual ever been denied a license by the Drug Enforcement Administration or appropriate issuing body of any state or jurisdiction, or is such action pending?

NO

B-3.13.1 If "Yes" to B-3.13, the reason for doing so must be provided below.

No response provided by applicant

B-3.14 Has the individual ever been the subject of an investigation or disciplinary action by the Drug Enforcement Administration or appropriate issuing body of any state or jurisdiction that resulted in the

surrender, suspension, revocation, or probation of the individual's license or registration?

NO

B-3.14.1 If "Yes" to B-3.14, the reason for doing so must be provided below.

No response provided by applicant

B-3.15 Has the individual ever been the subject of a disciplinary action by the Drug Enforcement Administration or appropriate issuing body of any state jurisdiction that was based in whole or in part, on the Applicant's prescribing, dispensing, diverting, administering, storing, personally furnishing, compounding, supplying, or selling a controlled substance or other dangerous drug (i.e. prescription drug), or is any such action pending?

NO

B-3.15.1 If "Yes" to B-3.15, the reason for doing so must be provided below.

No response provided by applicant

B-3.16 By selecting "Yes", this individual agrees to be enrolled in the Retained Applicant Fingerprint Database (Rapback) should the Applicant be awarded a provisional license.

YES

B-3.17 Has the individual been the subject of an action resulting in sanctions, disciplinary actions or civil monetary penalties being imposed relating to a registration, license, provisional license or any other authorization to cultivate, process, or dispense medical marijuana in any state?

NO

B-3.17.1 If "Yes" to B-3.17, the reason for doing so must be provided below.

No response provided by applicant

B-3.18 Has the individual been the subject of a civil or administrative action relating to a registration, license, provisional license or authorization to cultivate, process, or dispense medical marijuana in any state?

NO

B-3.18.1 If "Yes" to B-3.18, the reason for doing so must be provided below.

No response provided by applicant

B-3.19 Has the individual been accused of obtaining a registration, license, provisional license or other authorization to operate as a cultivator, processor, or dispensary of medical marijuana in any jurisdiction by fraud, misrepresentation, or the submission of false information?

NO

B-3.19.1 If "Yes" to B-3.19, the reason for doing so must be provided below.

No response provided by applicant

B-3.20 Has civil or administrative action been taken against the individual under the laws of Ohio or any other state, the United States or a military, territorial or tribal authority, relating to the individual's profession or occupation?

NO

B-3.20.1 If "Yes" to B-3.20, please provide the following: Defendant, Name of Case and Docket Number, Nature of Charge or Complaint, Date of Charge or Complaint, Disposition, Name and Address of the Administrative Agency Involved, and Jurisdictional Court (Specify Federal, State and/or Local Jurisdictions)

No response provided by applicant

B-3.21 By selecting "Yes", you attest to the following statement:

None of the Applicant's Prospective Associated Key Employees are a physician who has a certificate to recommend medical marijuana or who has applied for a certificate to recommend medical marijuana under section [4731.30 of the Revised Code](#).

YES

B-3.22 By selecting "Yes", you attest to the following statement:

None of the Applicant's Prospective Associated Key Employees have ownership, investment interest, or a compensation arrangement with a laboratory licensed under [Chapter 3796 of the Revised Code](#) or an Applicant for a license to conduct laboratory testing.

YES

Compliance(Prospective Associated Key Employee Compliance)

Item 5 of 7

B-3.1 First Name

DAVID

B-3.2 Middle Name

No response provided by applicant

B-3.3 Last Name

YIN

B-3.4 Proposed Role

OFFICER

B-3.5 Position/Title

MEDICAL DIRECTOR

B-3.6 Brief description of role

OVERSIGHT OF MEDICAL PROTOCOLS AND OPERATIONS

B-3.7 Has this individual served, or are they currently serving as an owner, officer, or board member of another medical marijuana entity in Ohio or the United States?

NO

B-3.7.1 If "Yes" to B-3.7, please provide the entity Name and Address.

No response provided by applicant

B-3.8 Has this individual had ownership or financial interest, or do they currently have ownership or financial interest of another medical marijuana entity in Ohio or the United States?

NO

B-3.8.1 If "Yes" to B-3.8, please provide the entity Name and Address.

No response provided by applicant

B-3.9 Has this individual ever been convicted of, or are charges pending for, a [disqualifying offense](#)? Include instances in which a court granted intervention in lieu of treatment (also known as treatment in lieu of conviction, ILC, or TLC), or other diversion programs. Offenses must be reported regardless of whether the case has been sealed, as described in section [2953.32 of the Revised Code](#), or the equivalent thereof in another jurisdiction.

NO

B-3.9.1 If "Yes" to B-3.9, please provide the following: Defendant, Name of Case and Docket Number, Nature of Charge or Complaint, Date of Charge or Complaint, Disposition, and Jurisdictional Court (Specify Federal, State and/or Local Jurisdictions)

No response provided by applicant

B-3.10 Has the individual ever been convicted of, or are charges pending for, any other felony offense under state or federal law?

NO

B-3.10.1 If "Yes", please provide the following: Defendant, Name of Case and Docket Number, Nature of Charge or Complaint, Date of Charge or Complaint, Disposition, and Jurisdictional Court (Specify Federal, State and/or Local Jurisdictions)

No response provided by applicant

B-3.11 Has the individual ever been convicted of, or are charges pending for, a crime (felony or misdemeanor) involving an act of moral turpitude?

NO

B-3.11.1 If "Yes", please provide the following: Defendant, Name of Case and Docket Number, Nature of Charge or Complaint, Date of Charge or Complaint, Disposition, and Jurisdictional Court (Specify Federal, State and/or Local Jurisdictions)

No response provided by applicant

B-3.12 Has this individual ever been disciplined by the State of Ohio Board of Pharmacy or any other licensing body.

NO

B-3.12.1 If "Yes", please provide the following: Name, Name and Address of Licensing Board, License Number, Nature of Charge or Complaint, Date of Charge or Complaint, Disposition, Name and Address of the Administrative Agency Involved

No response provided by applicant

B-3.13 Has the individual ever been denied a license by the Drug Enforcement Administration or appropriate issuing body of any state or jurisdiction, or is such action pending?

NO

B-3.13.1 If "Yes" to B-3.13, the reason for doing so must be provided below.

No response provided by applicant

B-3.14 Has the individual ever been the subject of an investigation or disciplinary action by the Drug Enforcement Administration or appropriate issuing body of any state or jurisdiction that resulted in the surrender, suspension, revocation, or probation of the individual's license or registration?

NO

B-3.14.1 If "Yes" to B-3.14, the reason for doing so must be provided below.

No response provided by applicant

B-3.15 Has the individual ever been the subject of a disciplinary action by the Drug Enforcement Administration or appropriate issuing body of any state jurisdiction that was based in whole or in part, on the Applicant's prescribing, dispensing, diverting, administering, storing, personally furnishing, compounding, supplying, or selling a controlled substance or other dangerous drug (i.e. prescription drug), or is any such action pending?

NO

B-3.15.1 If "Yes" to B-3.15, the reason for doing so must be provided below.

No response provided by applicant

B-3.16 By selecting "Yes", this individual agrees to be enrolled in the Retained Applicant Fingerprint Database (Rapback) should the Applicant be awarded a provisional license.

YES

B-3.17 Has the individual been the subject of an action resulting in sanctions, disciplinary actions or civil monetary penalties being imposed relating to a registration, license, provisional license or any other authorization to cultivate, process, or dispense medical marijuana in any state?

NO

B-3.17.1 If "Yes" to B-3.17, the reason for doing so must be provided below.

No response provided by applicant

B-3.18 Has the individual been the subject of a civil or administrative action relating to a registration, license, provisional license or authorization to cultivate, process, or dispense medical marijuana in any state?

NO

B-3.18.1 If "Yes" to B-3.18, the reason for doing so must be provided below.

No response provided by applicant

B-3.19 Has the individual been accused of obtaining a registration, license, provisional license or other authorization to operate as a cultivator, processor, or dispensary of medical marijuana in any jurisdiction by fraud, misrepresentation, or the submission of false information?

NO

B-3.19.1 If "Yes" to B-3.19, the reason for doing so must be provided below.

No response provided by applicant

B-3.20 Has civil or administrative action been taken against the individual under the laws of Ohio or any other state, the United States or a military, territorial or tribal authority, relating to the individual's profession or occupation?

NO

B-3.20.1 If "Yes" to B-3.20, please provide the following: Defendant, Name of Case and Docket Number, Nature of Charge or Complaint, Date of Charge or Complaint, Disposition, Name and Address of the Administrative Agency Involved, and Jurisdictional Court (Specify Federal, State and/or Local Jurisdictions)

No response provided by applicant

B-3.21 By selecting "Yes", you attest to the following statement:

None of the Applicant's Prospective Associated Key Employees are a physician who has a certificate to recommend medical marijuana or who has applied for a certificate to recommend medical marijuana under section [4731.30 of the Revised Code](#).

YES

B-3.22 By selecting "Yes", you attest to the following statement:

None of the Applicant's Prospective Associated Key Employees have ownership, investment interest, or a compensation arrangement with a laboratory licensed under [Chapter 3796 of the Revised Code](#) or an Applicant for a license to conduct laboratory testing.

YES

Compliance(Prospective Associated Key Employee Compliance)

Item 6 of 7

B-3.1 First Name

MY

B-3.2 Middle Name

No response provided by applicant

B-3.3 Last Name

NGUYEN

B-3.4 Proposed Role

OFFICER

B-3.5 Position/Title

CLINICAL DIRECTOR

B-3.6 Brief description of role

PROVIDES OVERSIGHT OF DISPENSING PROCEDURES AND COMPLIANCE

B-3.7 Has this individual served, or are they currently serving as an owner, officer, or board member of another medical marijuana entity in Ohio or the United States?

NO

B-3.7.1 If "Yes" to B-3.7, please provide the entity Name and Address.

No response provided by applicant

B-3.8 Has this individual had ownership or financial interest, or do they currently have ownership or financial interest of another medical marijuana entity in Ohio or the United States?

NO

B-3.8.1 If "Yes" to B-3.8, please provide the entity Name and Address.

No response provided by applicant

B-3.9 Has this individual ever been convicted of, or are charges pending for, a [disqualifying offense](#)? Include instances in which a court granted intervention in lieu of treatment (also known as treatment in lieu of conviction, ILC, or TLC), or other diversion programs. Offenses must be reported regardless of whether the case has been sealed, as described in section [2953.32 of the Revised Code](#), or the equivalent thereof in another jurisdiction.

NO

B-3.9.1 If "Yes" to B-3.9, please provide the following: Defendant, Name of Case and Docket Number, Nature of Charge or Complaint, Date of Charge or Complaint, Disposition, and Jurisdictional Court (Specify Federal, State and/or Local Jurisdictions)

No response provided by applicant

B-3.10 Has the individual ever been convicted of, or are charges pending for, any other felony offense under state or federal law?

NO

B-3.10.1 If "Yes", please provide the following: Defendant, Name of Case and Docket Number, Nature of Charge or Complaint, Date of Charge or Complaint, Disposition, and Jurisdictional Court (Specify Federal, State and/or Local Jurisdictions)

No response provided by applicant

B-3.11 Has the individual ever been convicted of, or are charges pending for, a crime (felony or misdemeanor) involving an act of moral turpitude?

NO

B-3.11.1 If "Yes", please provide the following: Defendant, Name of Case and Docket Number, Nature of Charge or Complaint, Date of Charge or Complaint, Disposition, and Jurisdictional Court (Specify Federal, State and/or Local Jurisdictions)

No response provided by applicant

B-3.12 Has this individual ever been disciplined by the State of Ohio Board of Pharmacy or any other licensing body.

NO

B-3.12.1 If "Yes", please provide the following: Name, Name and Address of Licensing Board, License Number, Nature of Charge or Complaint, Date of Charge or Complaint, Disposition, Name and Address of the Administrative Agency Involved

No response provided by applicant

B-3.13 Has the individual ever been denied a license by the Drug Enforcement Administration or appropriate issuing body of any state or jurisdiction, or is such action pending?

NO

B-3.13.1 If "Yes" to B-3.13, the reason for doing so must be provided below.

No response provided by applicant

B-3.14 Has the individual ever been the subject of an investigation or disciplinary action by the Drug Enforcement Administration or appropriate issuing body of any state or jurisdiction that resulted in the surrender, suspension, revocation, or probation of the individual's license or registration?

NO

B-3.14.1 If "Yes" to B-3.14, the reason for doing so must be provided below.

No response provided by applicant

B-3.15 Has the individual ever been the subject of a disciplinary action by the Drug Enforcement Administration or appropriate issuing body of any state jurisdiction that was based in whole or in part, on the Applicant's prescribing, dispensing, diverting, administering, storing, personally furnishing, compounding, supplying, or selling a controlled substance or other dangerous drug (i.e. prescription drug), or is any such action pending?

NO

B-3.15.1 If "Yes" to B-3.15, the reason for doing so must be provided below.

No response provided by applicant

B-3.16 By selecting "Yes", this individual agrees to be enrolled in the Retained Applicant Fingerprint Database (Rapback) should the Applicant be awarded a provisional license.

YES

B-3.17 Has the individual been the subject of an action resulting in sanctions, disciplinary actions or civil monetary penalties being imposed relating to a registration, license, provisional license or any other authorization to cultivate, process, or dispense medical marijuana in any state?

NO

B-3.17.1 If "Yes" to B-3.17, the reason for doing so must be provided below.

No response provided by applicant

B-3.18 Has the individual been the subject of a civil or administrative action relating to a registration, license, provisional license or authorization to cultivate, process, or dispense medical marijuana in any state?

NO

B-3.18.1 If "Yes" to B-3.18, the reason for doing so must be provided below.

No response provided by applicant

B-3.19 Has the individual been accused of obtaining a registration, license, provisional license or other authorization to operate as a cultivator, processor, or dispensary of medical marijuana in any jurisdiction by fraud, misrepresentation, or the submission of false information?

NO

B-3.19.1 If "Yes" to B-3.19, the reason for doing so must be provided below.

No response provided by applicant

B-3.20 Has civil or administrative action been taken against the individual under the laws of Ohio or any other state, the United States or a military, territorial or tribal authority, relating to the individual's profession or occupation?

NO

B-3.20.1 If "Yes" to B-3.20, please provide the following: Defendant, Name of Case and Docket Number, Nature of Charge or Complaint, Date of Charge or Complaint, Disposition, Name and Address of the Administrative Agency Involved, and Jurisdictional Court (Specify Federal, State and/or Local Jurisdictions)

No response provided by applicant

B-3.21 By selecting "Yes", you attest to the following statement:

None of the Applicant's Prospective Associated Key Employees are a physician who has a certificate to recommend medical marijuana or who has applied for a certificate to recommend medical marijuana under section [4731.30 of the Revised Code](#).

YES

B-3.22 By selecting "Yes", you attest to the following statement:

None of the Applicant's Prospective Associated Key Employees have ownership, investment interest, or a compensation arrangement with a laboratory licensed under [Chapter 3796 of the Revised Code](#) or an Applicant for a license to conduct laboratory testing.

YES

Compliance(Prospective Associated Key Employee Compliance)

Item 7 of 7

B-3.1 First Name

STEPHEN

B-3.2 Middle Name

No response provided by applicant

B-3.3 Last Name

HEDGE

B-3.4 Proposed Role

OFFICER

B-3.5 Position/Title

SUBSTANCE ABUSE DIRECTOR

B-3.6 Brief description of role

PROVIDES SUBSTANCE ABUSE SERVICES AND EDUCATION

B-3.7 Has this individual served, or are they currently serving as an owner, officer, or board member of another medical marijuana entity in Ohio or the United States?

NO

B-3.7.1 If "Yes" to B-3.7, please provide the entity Name and Address.

No response provided by applicant

B-3.8 Has this individual had ownership or financial interest, or do they currently have ownership or financial interest of another medical marijuana entity in Ohio or the United States?

NO

B-3.8.1 If "Yes" to B-3.8, please provide the entity Name and Address.

No response provided by applicant

B-3.9 Has this individual ever been convicted of, or are charges pending for, a [disqualifying offense](#)? Include instances in which a court granted intervention in lieu of treatment (also known as treatment in lieu of conviction, ILC, or TLC), or other diversion programs. Offenses must be reported regardless of whether the case has been sealed, as described in section [2953.32 of the Revised Code](#), or the equivalent thereof in another jurisdiction.

NO

B-3.9.1 If "Yes" to B-3.9, please provide the following: Defendant, Name of Case and Docket Number, Nature of Charge or Complaint, Date of Charge or Complaint, Disposition, and Jurisdictional Court (Specify Federal, State and/or Local Jurisdictions)

No response provided by applicant

B-3.10 Has the individual ever been convicted of, or are charges pending for, any other felony offense under state or federal law?

NO

B-3.10.1 If "Yes", please provide the following: Defendant, Name of Case and Docket Number, Nature of Charge or Complaint, Date of Charge or Complaint, Disposition, and Jurisdictional Court (Specify Federal, State and/or Local Jurisdictions)

No response provided by applicant

B-3.11 Has the individual ever been convicted of, or are charges pending for, a crime (felony or misdemeanor) involving an act of moral turpitude?

NO

B-3.11.1 If "Yes", please provide the following: Defendant, Name of Case and Docket Number, Nature of Charge or Complaint, Date of Charge or Complaint, Disposition, and Jurisdictional Court (Specify Federal, State and/or Local Jurisdictions)

No response provided by applicant

B-3.12 Has this individual ever been disciplined by the State of Ohio Board of Pharmacy or any other licensing body.

NO

B-3.12.1 If "Yes", please provide the following: Name, Name and Address of Licensing Board, License Number, Nature of Charge or Complaint, Date of Charge or Complaint, Disposition, Name and Address of the Administrative Agency Involved

No response provided by applicant

B-3.13 Has the individual ever been denied a license by the Drug Enforcement Administration or appropriate issuing body of any state or jurisdiction, or is such action pending?

NO

B-3.13.1 If "Yes" to B-3.13, the reason for doing so must be provided below.

No response provided by applicant

B-3.14 Has the individual ever been the subject of an investigation or disciplinary action by the Drug Enforcement Administration or appropriate issuing body of any state or jurisdiction that resulted in the surrender, suspension, revocation, or probation of the individual's license or registration?

NO

B-3.14.1 If "Yes" to B-3.14, the reason for doing so must be provided below.

No response provided by applicant

B-3.15 Has the individual ever been the subject of a disciplinary action by the Drug Enforcement Administration or appropriate issuing body of any state jurisdiction that was based in whole or in part, on the Applicant's prescribing, dispensing, diverting, administering, storing, personally furnishing, compounding, supplying, or selling a controlled substance or other dangerous drug (i.e. prescription drug), or is any such action pending?

NO

B-3.15.1 If "Yes" to B-3.15, the reason for doing so must be provided below.

No response provided by applicant

B-3.16 By selecting "Yes", this individual agrees to be enrolled in the Retained Applicant Fingerprint Database (Rapback) should the Applicant be awarded a provisional license.

YES

B-3.17 Has the individual been the subject of an action resulting in sanctions, disciplinary actions or civil monetary penalties being imposed relating to a registration, license, provisional license or any other authorization to cultivate, process, or dispense medical marijuana in any state?

NO

B-3.17.1 If "Yes" to B-3.17, the reason for doing so must be provided below.

No response provided by applicant

B-3.18 Has the individual been the subject of a civil or administrative action relating to a registration, license, provisional license or authorization to cultivate, process, or dispense medical marijuana in any state?

NO

B-3.18.1 If "Yes" to B-3.18, the reason for doing so must be provided below.

No response provided by applicant

B-3.19 Has the individual been accused of obtaining a registration, license, provisional license or other authorization to operate as a cultivator, processor, or dispensary of medical marijuana in any jurisdiction by fraud, misrepresentation, or the submission of false information?

NO

B-3.19.1 If "Yes" to B-3.19, the reason for doing so must be provided below.

No response provided by applicant

B-3.20 Has civil or administrative action been taken against the individual under the laws of Ohio or any other state, the United States or a military, territorial or tribal authority, relating to the individual's profession or occupation?

NO

B-3.20.1 If "Yes" to B-3.20, please provide the following: Defendant, Name of Case and Docket Number, Nature of Charge or Complaint, Date of Charge or Complaint, Disposition, Name and Address of the Administrative Agency Involved, and Jurisdictional Court (Specify Federal, State and/or Local Jurisdictions)

No response provided by applicant

B-3.21 By selecting "Yes", you attest to the following statement:

None of the Applicant's Prospective Associated Key Employees are a physician who has a certificate to recommend medical marijuana or who has applied for a certificate to recommend medical marijuana under section [4731.30 of the Revised Code](#).

YES

B-3.22 By selecting "Yes", you attest to the following statement:

None of the Applicant's Prospective Associated Key Employees have ownership, investment interest, or a compensation arrangement with a laboratory licensed under [Chapter 3796 of the Revised Code](#) or an Applicant for a license to conduct laboratory testing.

YES

Business Plan(Property Title, Lease, or Option to Acquire Property Location)

C-1.1 Attach one of the following:

- Evidence of the Applicant's clear legal title to or option to purchase the proposed site and facility.
- A fully-executed copy of the Applicant's unexpired lease for the proposed site and facility and a written statement from the property owner that the Applicant may operate a medical marijuana organization on the proposed site for, at a minimum, the term of the initial provisional license.
- Other evidence that shows that the Applicant has a location to operate its medical marijuana organization.

Uploaded Document Name: **C-1.1_Property Columbus.pdf**

NOTE: This applicant uploaded document is the next 2 page(s) of this document.



October 20, 2017

Mr. Peter Turco

via email: pturco357@gmail.com

Re: Non-Binding Letter of Intent for Georgetown and I-270 Shopping Center

Dear Peter:

It was a pleasure discussing retail options with you and we are very excited to have you as a part of our retail development. As you know, this project is anchored by Walmart Supercenter, the largest retailer in the world. Other tenants in this strip center are Starbucks, Verizon Wireless and Jackson Hewitt to name a few. We feel that this strip center has many qualities that will complement your business. Please do not hesitate to call me with any questions.

Address:

1361 Georgetown Road

Tenant:

127 OH, LLC d/b/a/ Bloom Medicals, LLC

Premises:

2,125 square feet as shown on attached Exhibit A.

Use:

Premises are to be used by Tenant as a licensed medical marijuana dispensary in accordance with and pursuant to all statutes, rules, regulations, and other laws applicable to the State of Ohio's medical marijuana program (Chapter 3796 of the Revised Code and the rules promulgated in accordance with Chapter 3796 of the Revised Code). Tenant shall be responsible for determining and be responsible for compliance regarding: all state and local laws, regulations and codes, including but not limited to, regulations as to zoning and permitting for the intended use; building safety and fire codes, and architectural barriers. Tenant will have 24-hours per day, 7 days per week, 52 weeks per year access to the Premises. Landlord shall cooperate with Tenant in its pursuit of all necessary approvals to operate a medical marijuana dispensary facility on the Premises and provide limited access for the purpose of planning, estimates, and bidding purposes. If any state or federal law is later enacted or modified which allows for the sale of marijuana for any non-medical purpose, Tenant may also use the Premises for that purpose, provided Tenant complies with all relevant laws for such use.

Lease Term:

5 years

Renewal:

Tenant shall have 2 options of 5 years each to renew the lease.

Commencement:

As soon as the lease is executed

Net Rental Rates:

Year 1: \$16.00 psf, 2,833.33 per month
\$.50 yearly increases

614.760.5660
580 N. Fourth Street, Suite 120
Columbus, Ohio 43215
capitolequities.com

Operating Expense: Common Area Maintenance, Real Estate Taxes and Property Insurance shall be paid in addition to the monthly net rent as outlined above. The current CAM charges are \$4.95 per square foot (\$876.56per month) in addition to the above rents.

Premises Condition: Tenant shall take the space in it's "as-is" "where-is" condition.

Utilities: Gas, phone, water, trash and electric will be separately metered and paid for by Tenant.

Security Deposit: \$5,000.00 plus the first months rent which shall be applied to the rent upon commencement.

Signage: Tenant shall install, at Tenant's cost, signage in the area provided.

Contingency: This proposal shall be contingent upon acceptable review of Tenant's financials.

Please give me a call after you have had an opportunity to review these terms and conditions. Upon your approval, I would like you to sign in the space provided below. Please note that this letter is **not intended to create any legally binding obligations** between the parties, until such time that the parties mutually agree to execute and sign an acceptable lease agreement.

Warmly,

CAPITOL EQUITIES REALTY

E. Edwards

Ed Fellows

AGREED AND ACKNOWLEDGED

DATE

[Signature]

Tenant

10/31/2017

10-20-2017

[Signature]

Landlord

C-1.2 Business Name, as it appears on the Applicant's certificate of incorporation, charter, bylaws, partnership agreement or other official documents.

127 OH, LLC

C-1.3 Trade names and DBA (doing business as) names

BLOOM MEDICINALS, LLC

C-1.4 Business Address

1361 GEORGESVILLE RD.

C-1.5 City

COLUMBUS

C-1.6 State

OH

C-1.7 Zip Code

43228-3611

C-1.8 Phone

5613053656

C-1.9 Email

NICOLE@MIDWESTCOMPASSION.ORG

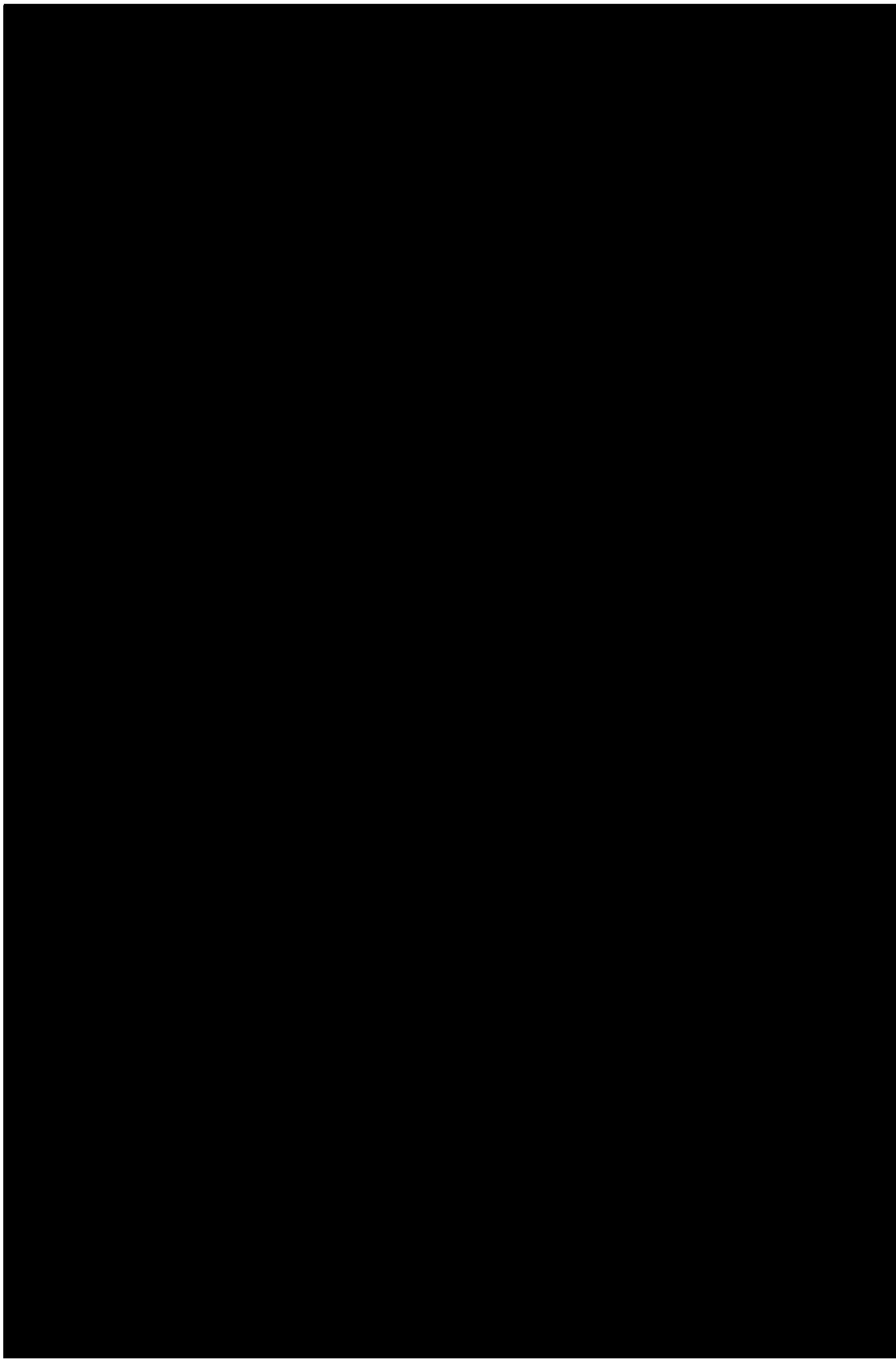
Business Plan(Site and Facility Plan)

C-2.1 Applicants must show that they can expeditiously use a site and facility to meet the activities described in the provisional license by attaching one of the following:

- If the facility is in existence at the time that the provisional license application is submitted, submit plans and specifications drawn to scale for the interior of the facility.
- If the facility is in existence at the time that the provisional license application is submitted, and the Applicant plans to make alterations to the facility, submit renovation plans and specifications for the interior and exterior of the facility.
- If the facility does not exist at the time that the provisional license application is submitted, submit a plot plan that shows the proposed location of the facility and an architectural drawing of the facility, including a detailed drawing, to scale, of the interior of the facility.

Uploaded Document Name: **C-2.1_Floorplan.pdf**

NOTE: This applicant uploaded document is the next 1 page(s) of this document.



C-2.2 The Applicant also must submit evidence that it is in compliance with any local ordinances, rules, or regulations adopted by the locality in which the Applicant's property is located, which are in effect at the time of the application. Include copies of any required local registration, license or permit. If no relevant zoning restrictions have been enacted, provide a professionally prepared survey which demonstrates that the Applicant is not in violation of restrictions pertaining to [prohibited facilities](#) and is not located within 500 feet of a community addiction services provider as defined under [section 5119.01 of the Revised Code](#). [OAC 3796:5-5-01](#)

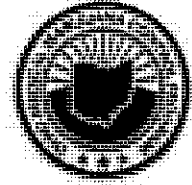
Uploaded Document Name: **C-2.2_Zoning Compliance Columbus.pdf**

NOTE: This applicant uploaded document is the next 4 page(s) of this document.



STATE OF
OHIO
DEPARTMENT OF PUBLIC SAFETY

Ohio Medical Marijuana Control Program Dispensary Application



NOTICE OF PROPER ZONING FORM

(Attachment to Application Section C-2.2)

This form must be signed by an individual with authority to sign on behalf of the local government or zoning office where the Applicant proposes to locate its dispensary. The form must be printed and signed with an original, wet-ink signature. Electronic or digital signatures are not acceptable. Scan and attach a copy of the signed form, in PDF format, in response to Question C-2.2 of the online Application.

To be Completed by Applicant		
Business Name of Applicant: 127 OH, LLC d/b/a Bloom Medicinals, LLC		
Physical Address and Name of Proposed Medical Marijuana Dispensary: 1361 Georgesville Rd Bloom Medicinals, LLC		
City: Columbus	County: Franklin	
State: Ohio	Zip Code: 43228	Phone Number: 561.620.3600
To be Completed by Zoning Authority or Local Government		
Jurisdiction of Zoning Office or Local Government Columbus, Ohio		
Moratorium (Required to check one box) <input checked="" type="checkbox"/> The area of <u>Columbus</u> HAS NOT enacted a local moratorium or taken other action that would prohibit the applicant from operating as a medical marijuana Dispensary. <input type="checkbox"/> The area of _____ HAS enacted a local moratorium or taken other action that would prohibit the applicant from operating as a medical marijuana Dispensary. (Note: This will lead to disqualification of the application)		
Zoning (Required to check one box) <input type="checkbox"/> The area of _____ HAS NO zoning in place at this time. *If Applicant checks this box, Applicant must also include a professionally prepared survey which demonstrates that the Applicant is not in violation of restrictions pertaining to prohibited facilities and is not located within 500 feet of a community addiction services provider as defined under section 5119.01 of the Revised Code. <input checked="" type="checkbox"/> The area of <u>Columbus</u> HAS zoning in place at this time and applicant's proposed facility appears to be planned in accordance with complying with all local zoning laws and regulations in place at the time of completion of this application.		



STATE OF
OHIO
DEPARTMENT OF REVENUE

Ohio Medical Marijuana Control Program Dispensary Application



Permit (Required to check one box)

- ☐ The Applicant has received local zoning approval and was issued a permit.
*If Applicant checks this box, Applicant must attach the permit issued.
- ☐ The Applicant has applied for local zoning approval, but was not yet issued a permit.
- ☒ No zoning approval was applied for and no permit was received at this time.

Printed Name of Local Government Representative:

Chris Presutti

Title:

Chief Zoning Official

Signature:

[Handwritten Signature]

Date:

November 3, 2017



Tri State Location Services
4514 Forest Trail Lane
Liberty Township, Ohio 45011-2483
Phone: 513-829-7722
Fax: 513-829-7770
E-Mail: turnertristate@aol.com
www.tristatelocationservices.com

October 14, 2017

1361 Georgesville Road
Georgesville, Ohio 43215

To Whom It May Concern,

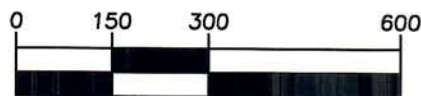
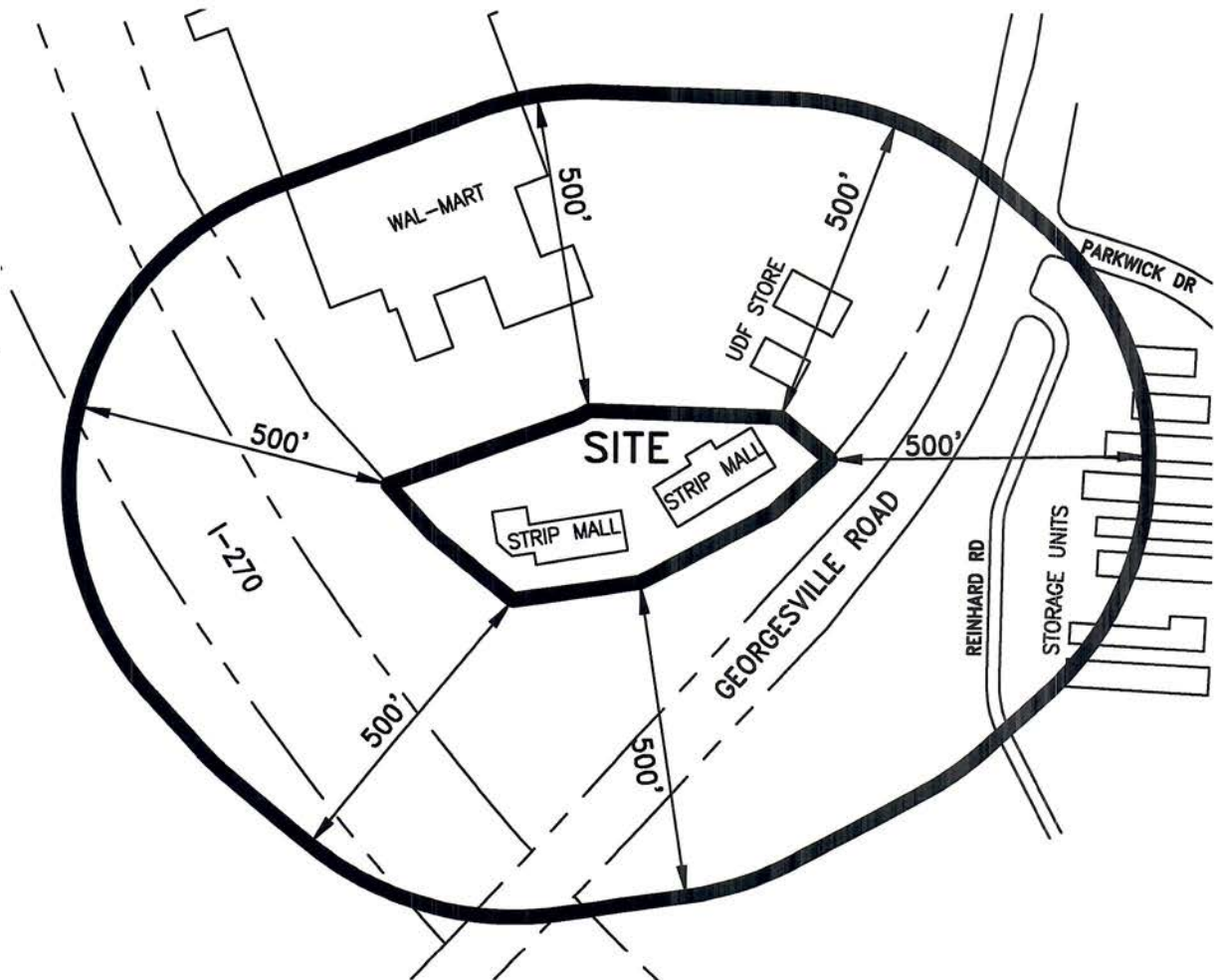
On October 12, 2017 my firm performed a site visit to the above described address.

Upon visual inspection, and in reliance upon my professional opinion there appears to be no community addiction services provider, school, church, public library, public playground or public park within 500 (five-hundred) feet of the above address, as required by 3796.30 of the Ohio Revised Code. The current land usage within said perimeter is shown on the accompanying exhibit

Sincerely,

Todd K. Turner
Registered Surveyor #7684

Tristate Location Services
4514 Forest Trail Lane
Liberty Township, Ohio 45011-2483
work 513-829-7722
fax 513-829-7700
turnertristate@aol.com



(IN FEET)
1 inch = 300 ft.
GRAPHIC SCALE

TRI-STATE LOCATION SERVICES
4514 FOREST TRAIL LANE
LIBERTY TOWNSHIP, OH
45011-2483
(P) 513-829-7722

SURVEY PERIMETER EXHIBIT

GEORGESVILLE CENTER COLUMBUS OHIO
1361 GEORGESVILLE ROAD
GEORGESVILLE, OHIO 43215

DRAWN BY: T.K.T., P.S.

DATE: OCTOBER 14, 2017

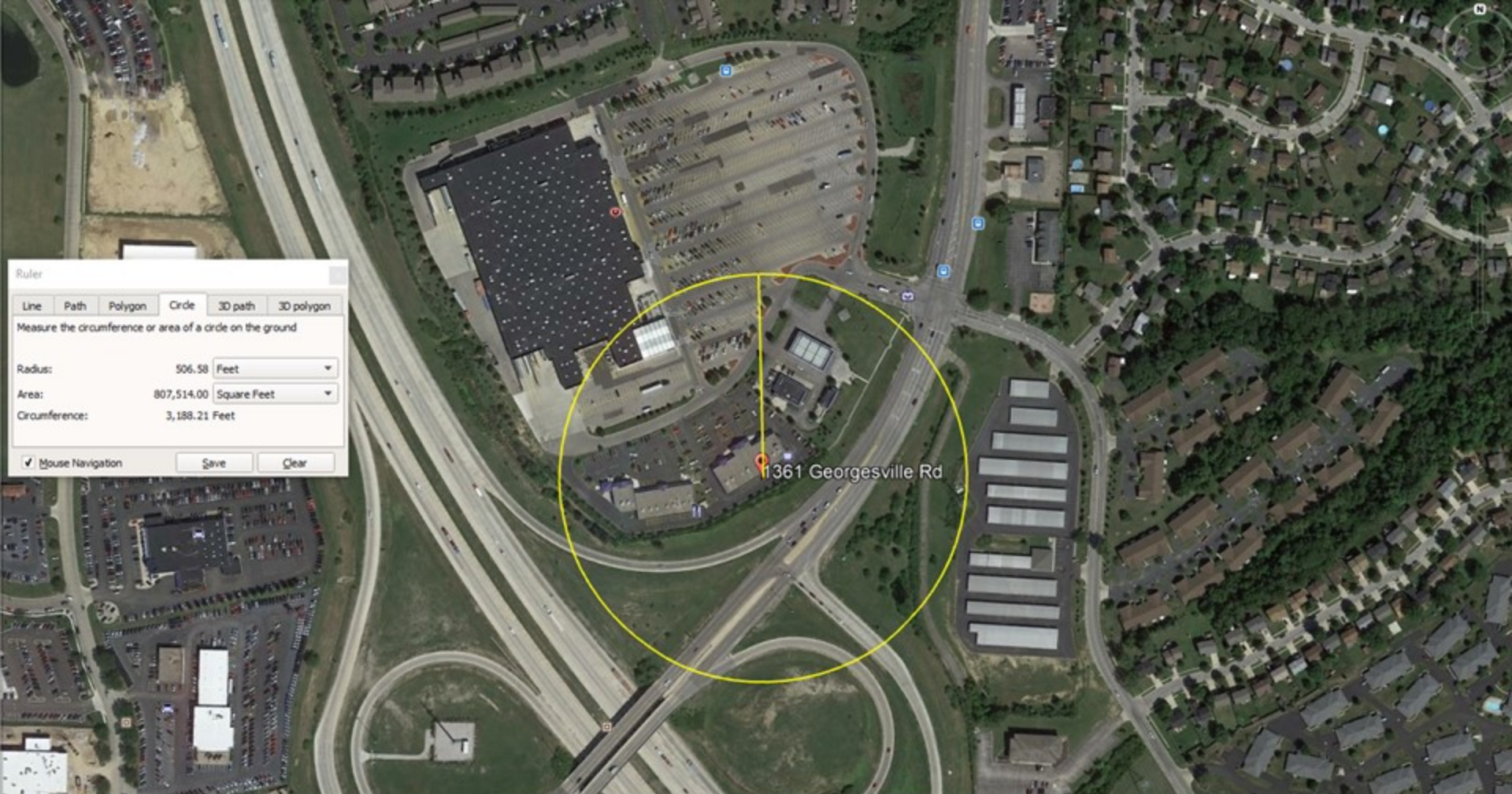
SCALE: 1' = 300'

JOB NUMBER: 98989

C-2.3 Provide a location map of the area surrounding the proposed facility that establishes the facility is at least 500 feet from a [prohibited facility](#) or a community addiction services provider as defined under [section 5119.01 of the Revised Code](#). In establishing the distance between a proposed dispensary and such a facility, the distance shall be measured linearly and shall be the shortest distance between the closest point of the property lines of the proposed dispensary and the prohibited facility or community addiction services provider. The map must be clearly legible and labeled and may be divided into 8.5*11 inch sections. [OAC 3796:5-5-01](#)

Uploaded Document Name: **C-2.3_Columbus Location Map.pdf**

NOTE: This applicant uploaded document is the next 1 page(s) of this document.



1361 Georgesville Road, Columbus, OH

There is no school, church, public library, public playground, public park or community addiction services provider within five-hundred (500) feet of the above address as required by OAC 3796.30.

Nearby businesses: Walmart Super center, Jimmy John's Restaurant, State Farm Insurance, Starbucks, United Dairy Farmers, DaVita Columbus West Dialysis

Business Plan(Business Startup Plan)

C-3.1 A business startup plan is required for all dispensary provisional license applications. The business startup plan must provide a comprehensive set of activities necessary for the startup of the facility within six months of receiving a provisional license. Provide a timeline describing the process, methods, or steps used to execute a compliant business startup plan that includes, at a minimum:

1. Security and surveillance
2. Employee qualifications and training
3. Storage of medical marijuana products
4. Inventory management
5. Record-keeping
6. Prevention of medical marijuana diversion

[Redacted content]

[illegible]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

C-3.1.1 Applicants may include images or diagrams, in PDF format, demonstrating the measures described in C-3.1. The images or diagrams may contain a brief descriptive caption. Additional language responding to the question will not be considered.

Uploaded Document Name: **C-3.1.1_Business Plan 3.pdf**

NOTE: This applicant uploaded document is the next 42 page(s) of this document.



the 1990s, the number of people in the UK who are employed in the public sector has increased by 1.5 million (1990–1999) and the number of people in the public sector has increased by 2.5 million (1990–1999) (Department of Health 2000).

There is a growing emphasis on the need to improve the efficiency of the public sector and to ensure that the public sector is able to deliver the best possible value for money. This has led to a number of initiatives, including the introduction of the Public Finance Management (PFM) system, the introduction of the Public Sector Pension Scheme (PSPS), and the introduction of the Public Sector Pension Scheme (PSPS).

The PFM system is a system of financial management that is designed to ensure that the public sector is able to deliver the best possible value for money. It is a system that is based on the principles of transparency, accountability, and efficiency. The PFM system is a system that is designed to ensure that the public sector is able to deliver the best possible value for money.

The PSPS is a pension scheme that is designed to ensure that the public sector is able to deliver the best possible value for money. It is a pension scheme that is based on the principles of transparency, accountability, and efficiency. The PSPS is a pension scheme that is designed to ensure that the public sector is able to deliver the best possible value for money.

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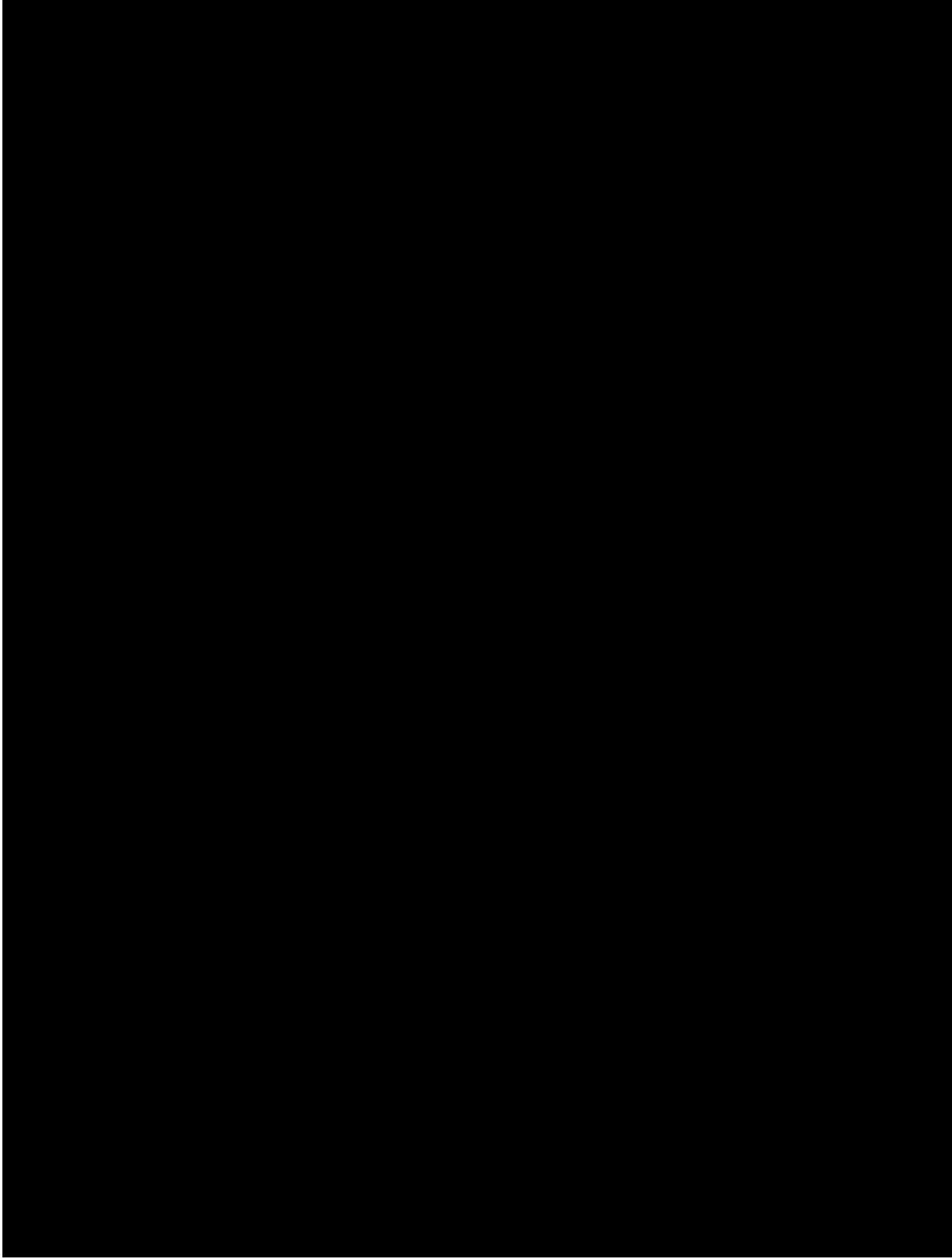
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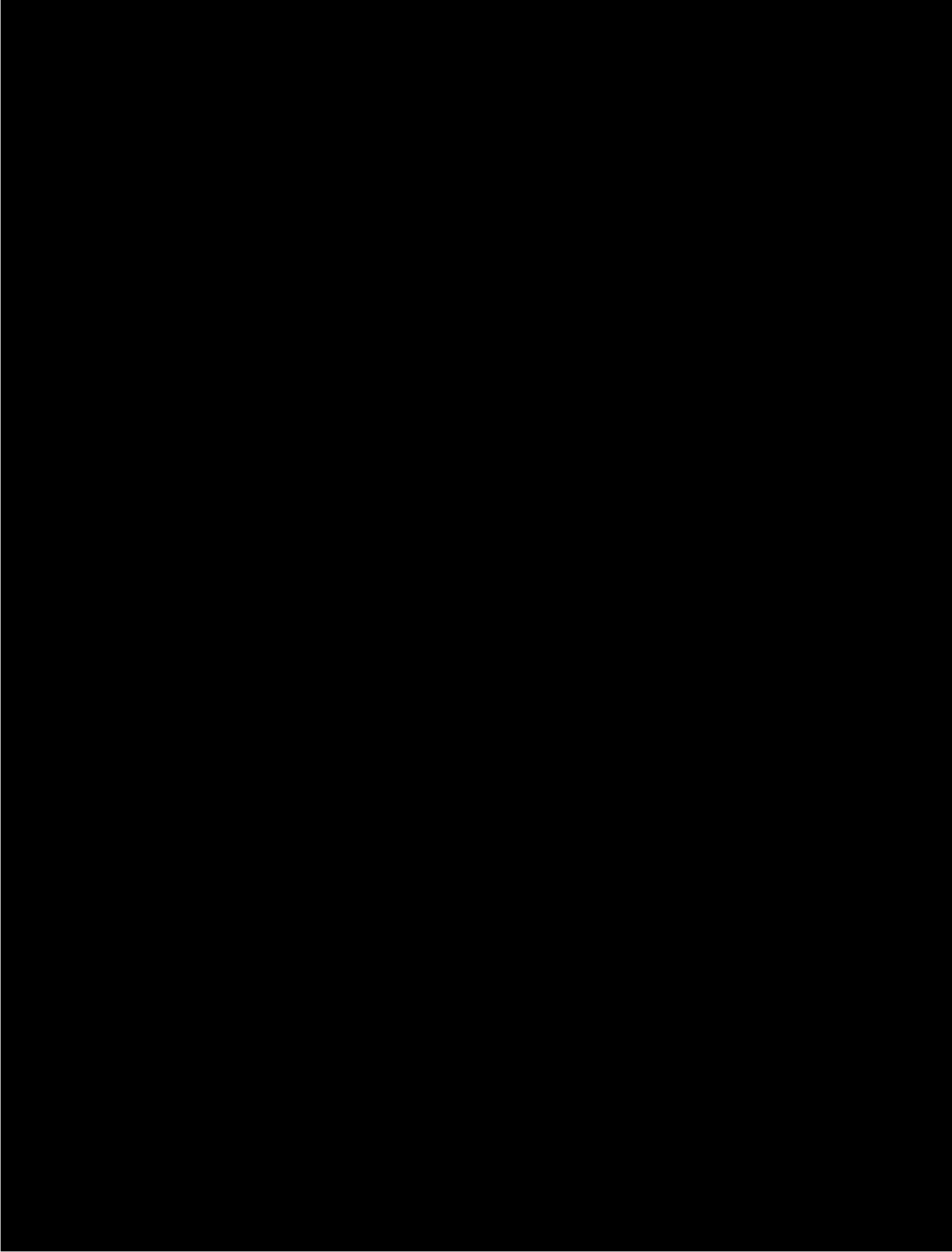
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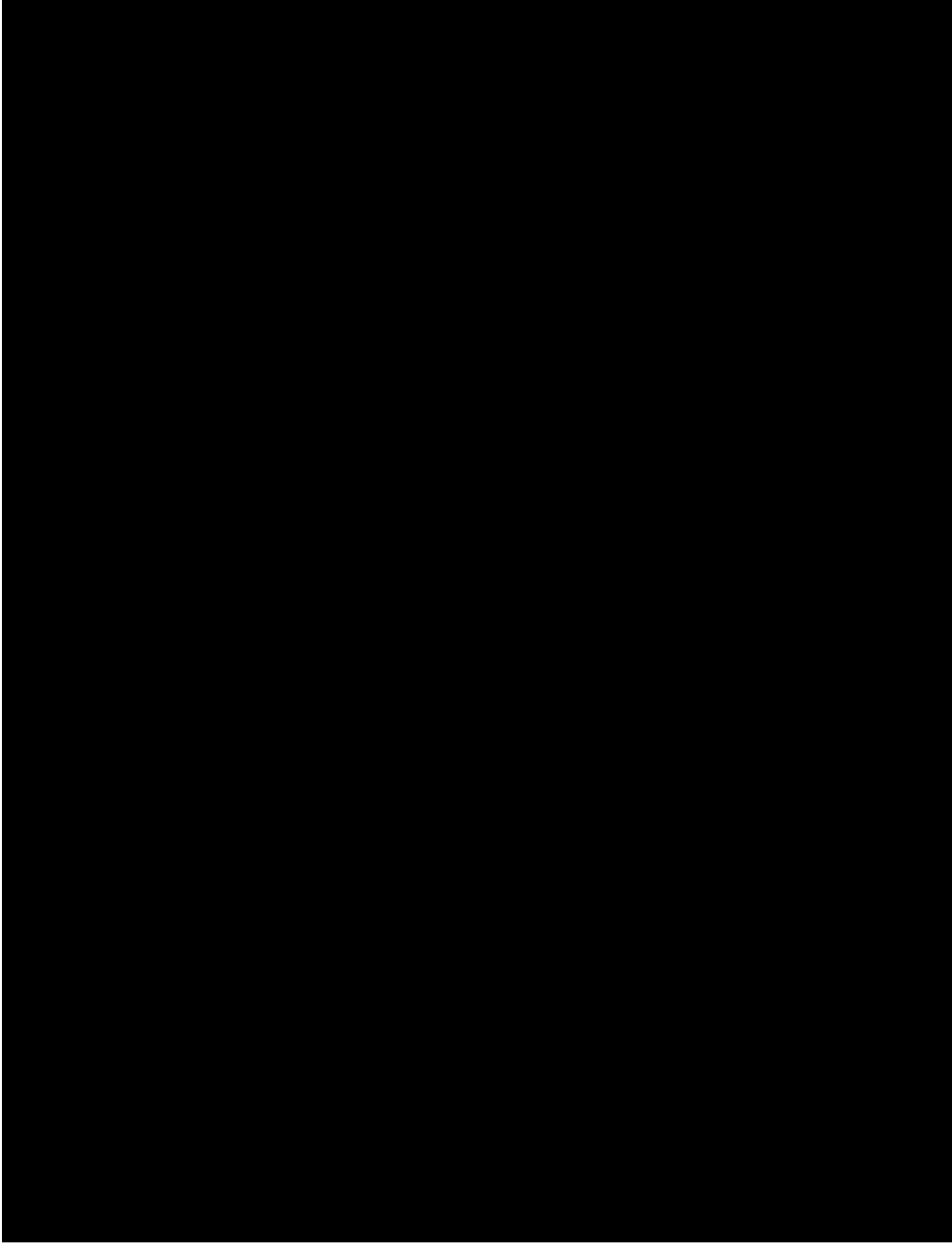
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the 1990s, the number of people in the UK who are employed in the public sector has increased by 1.5 million (from 2.5 million in 1980 to 4 million in 1999). The public sector has become a major employer in the UK, and this has implications for the way in which the public sector is managed and for the way in which the public sector is funded.

The public sector is a complex organisation, and it is difficult to understand how it works. The public sector is made up of many different organisations, each of which has its own aims and objectives. The public sector is also funded by the government, and this has implications for the way in which the public sector is managed and for the way in which the public sector is funded.

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the 1990s, the number of people in the UK who are employed in the public sector has increased by 1.5 million (1990–1999) (Department of Health 2000).

There is a growing emphasis on the need to improve the quality of care in the public sector. The Department of Health (2000) has set out a number of key objectives for the public sector, including the need to improve the quality of care, to reduce waiting times, and to improve the efficiency of the system. The NHS has a number of initiatives in place to achieve these objectives, including the NHS Plan (2000) and the NHS Quality Standard (2001).

The NHS has a number of initiatives in place to improve the quality of care, including the NHS Quality Standard (2001) and the NHS Quality Standard (2001). The NHS Quality Standard (2001) is a set of standards that all NHS organisations must meet. The NHS Quality Standard (2001) is a set of standards that all NHS organisations must meet.

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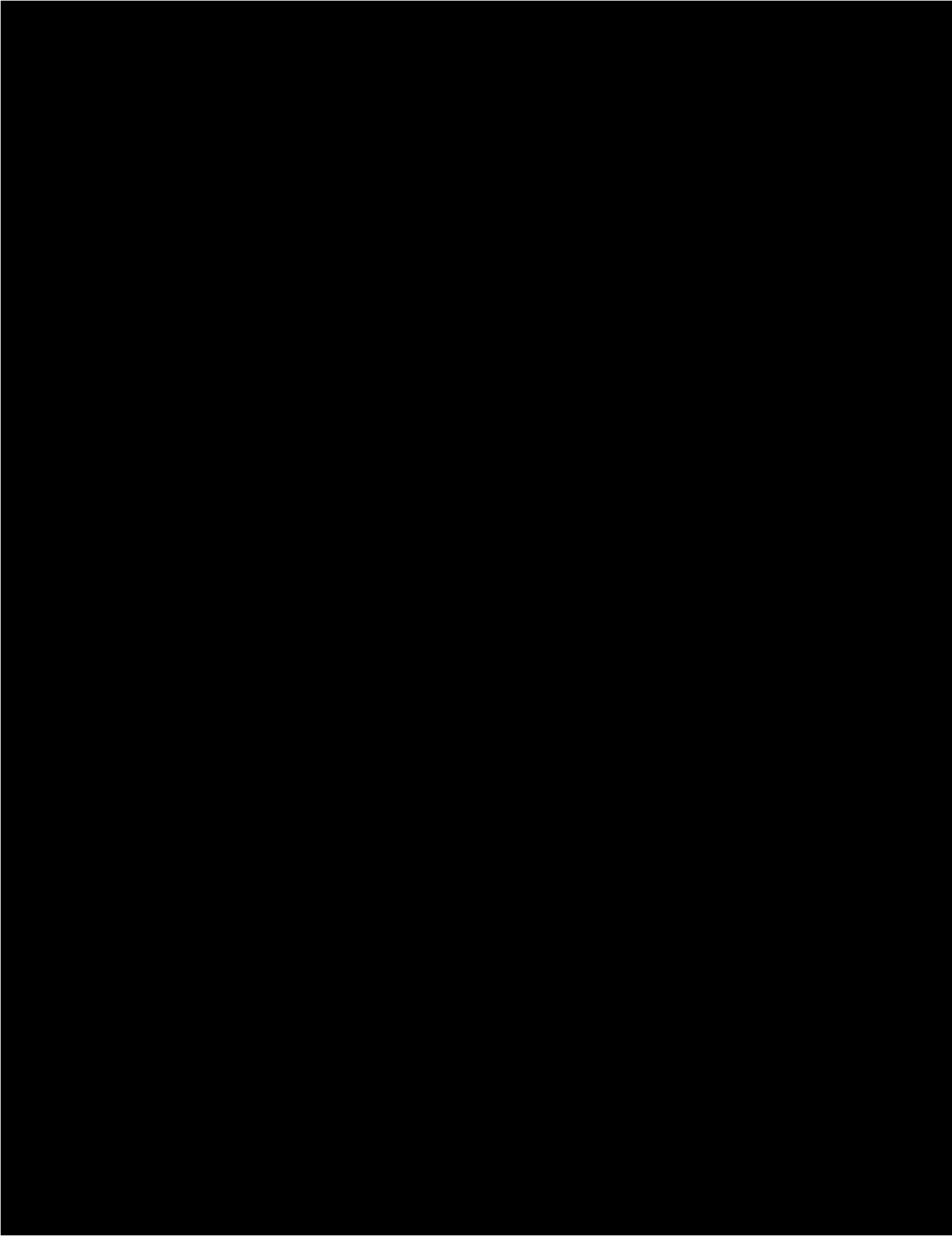
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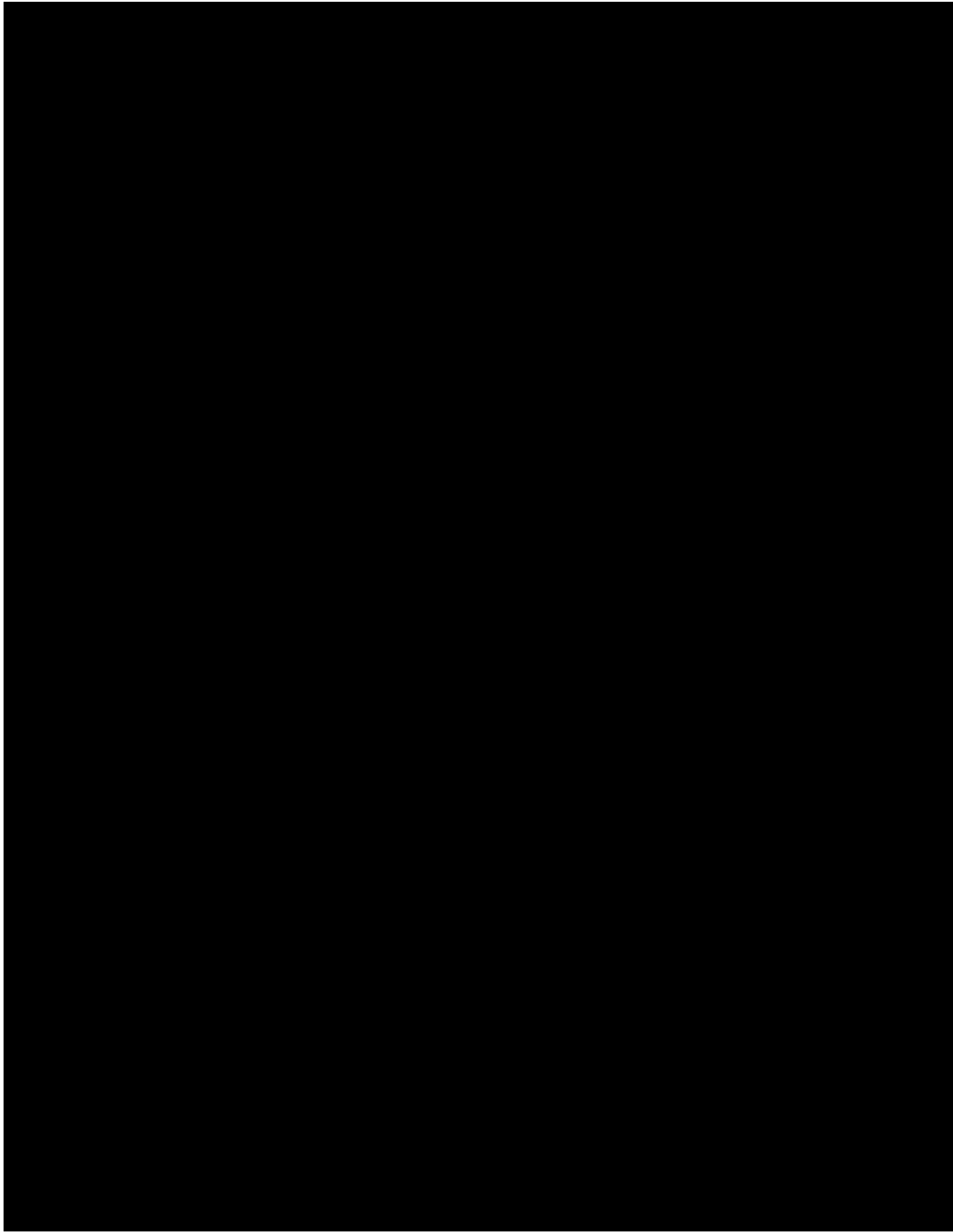
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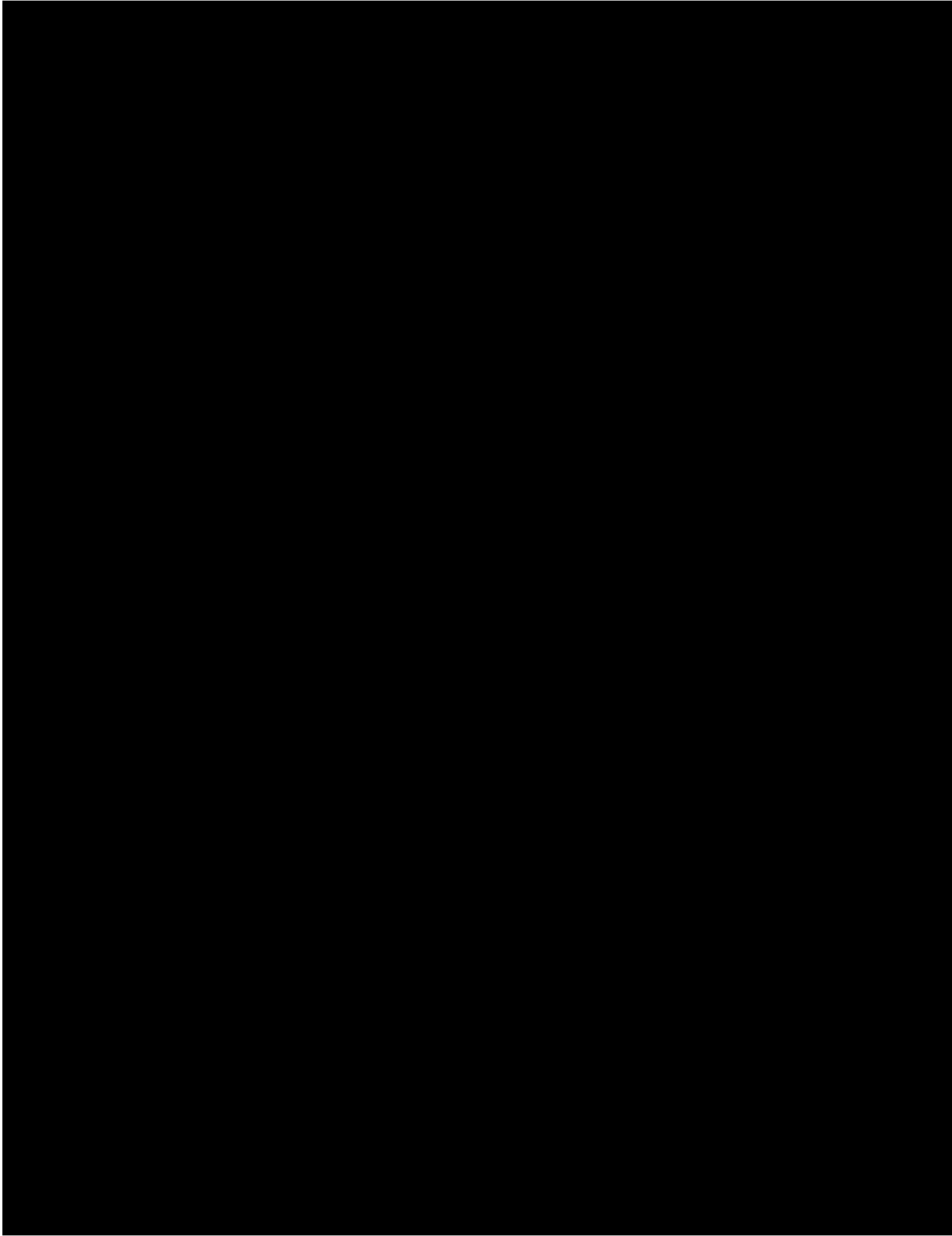
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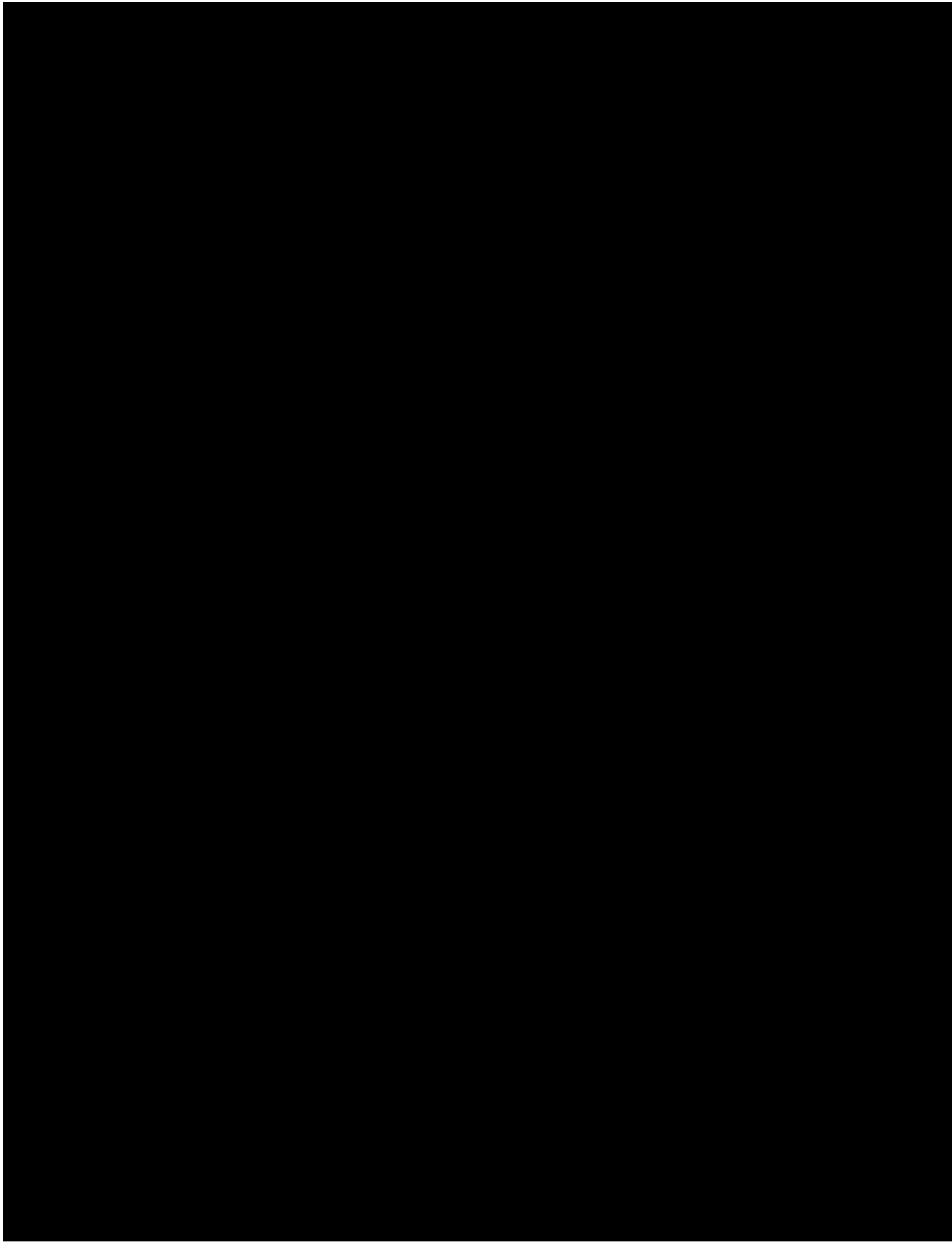
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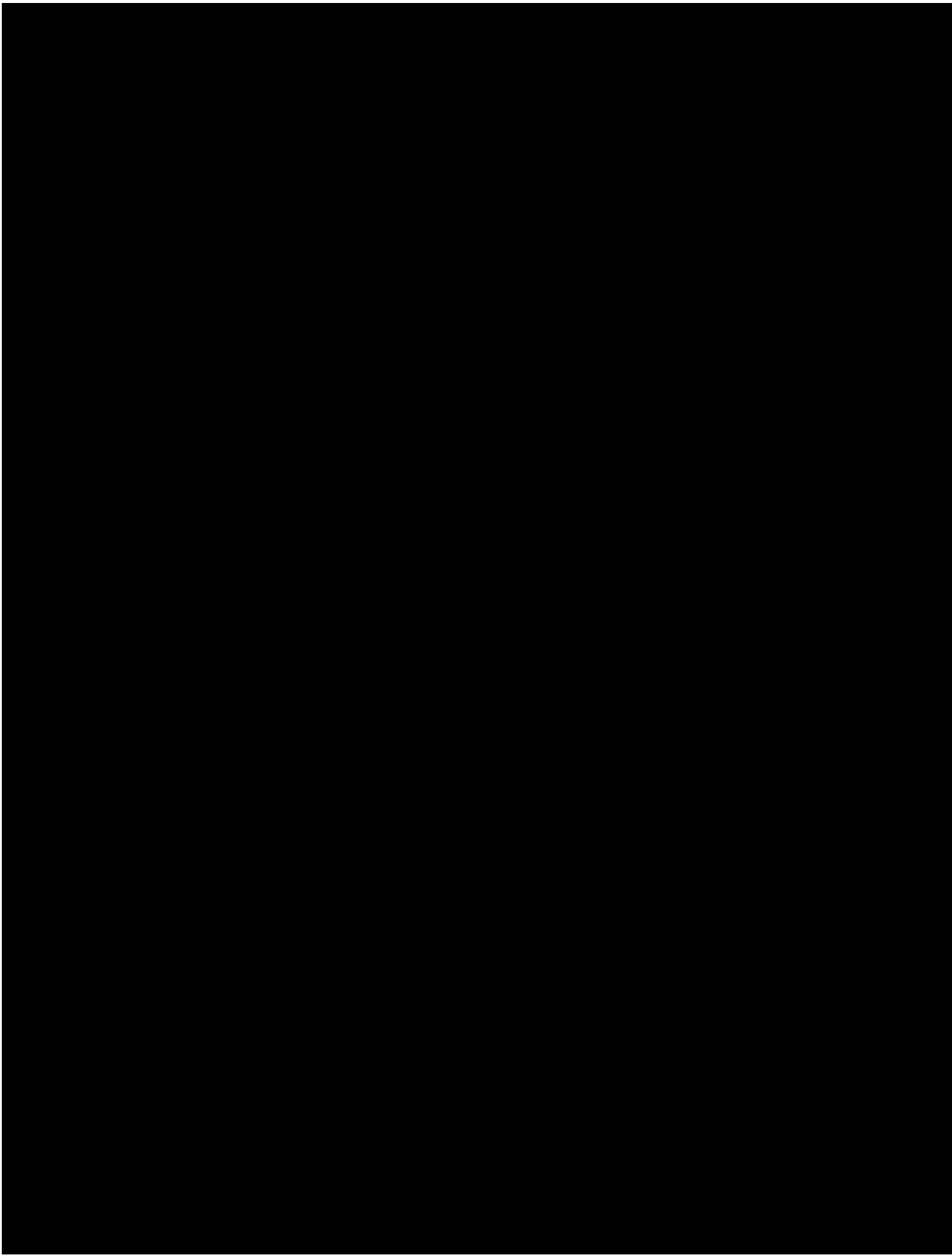
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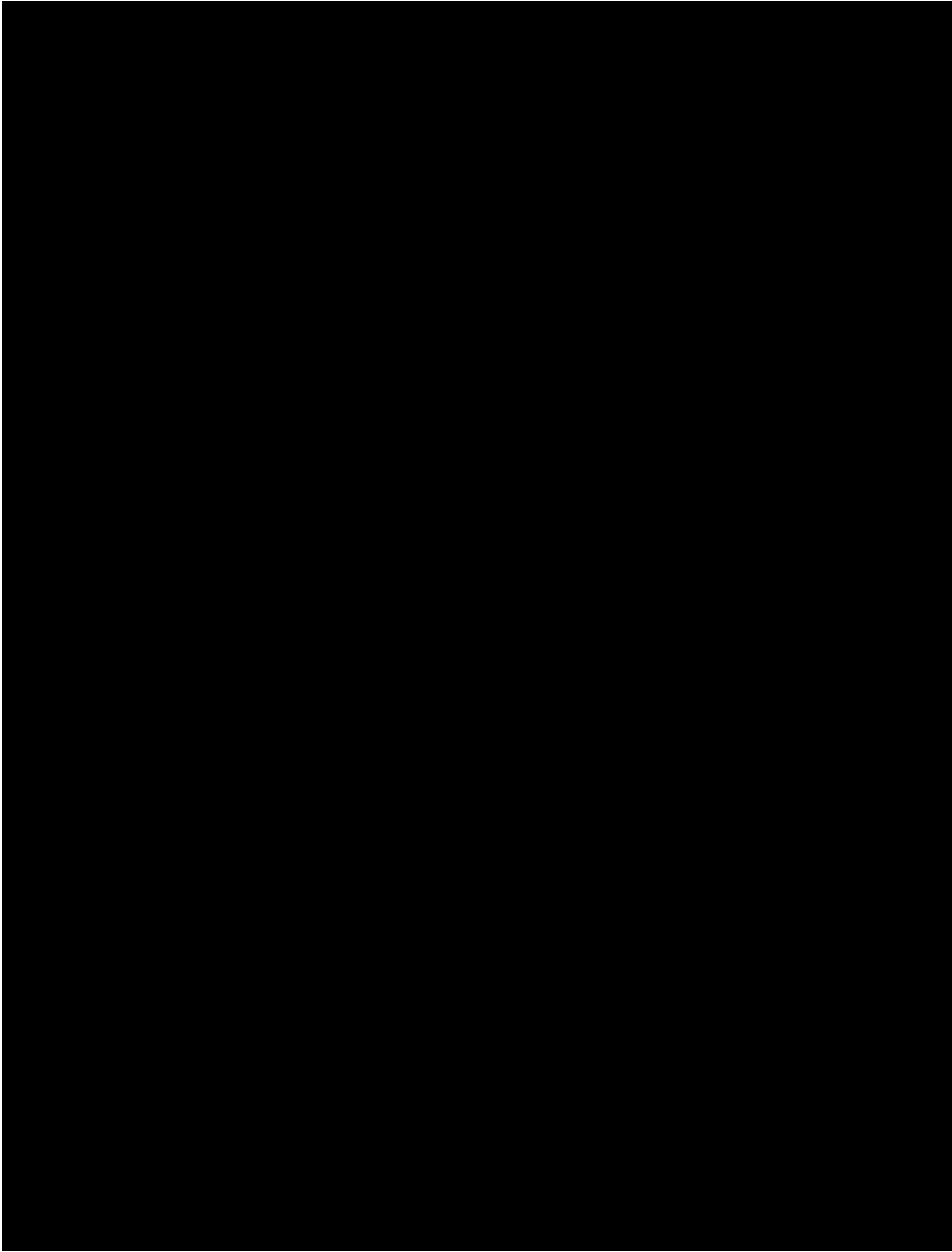


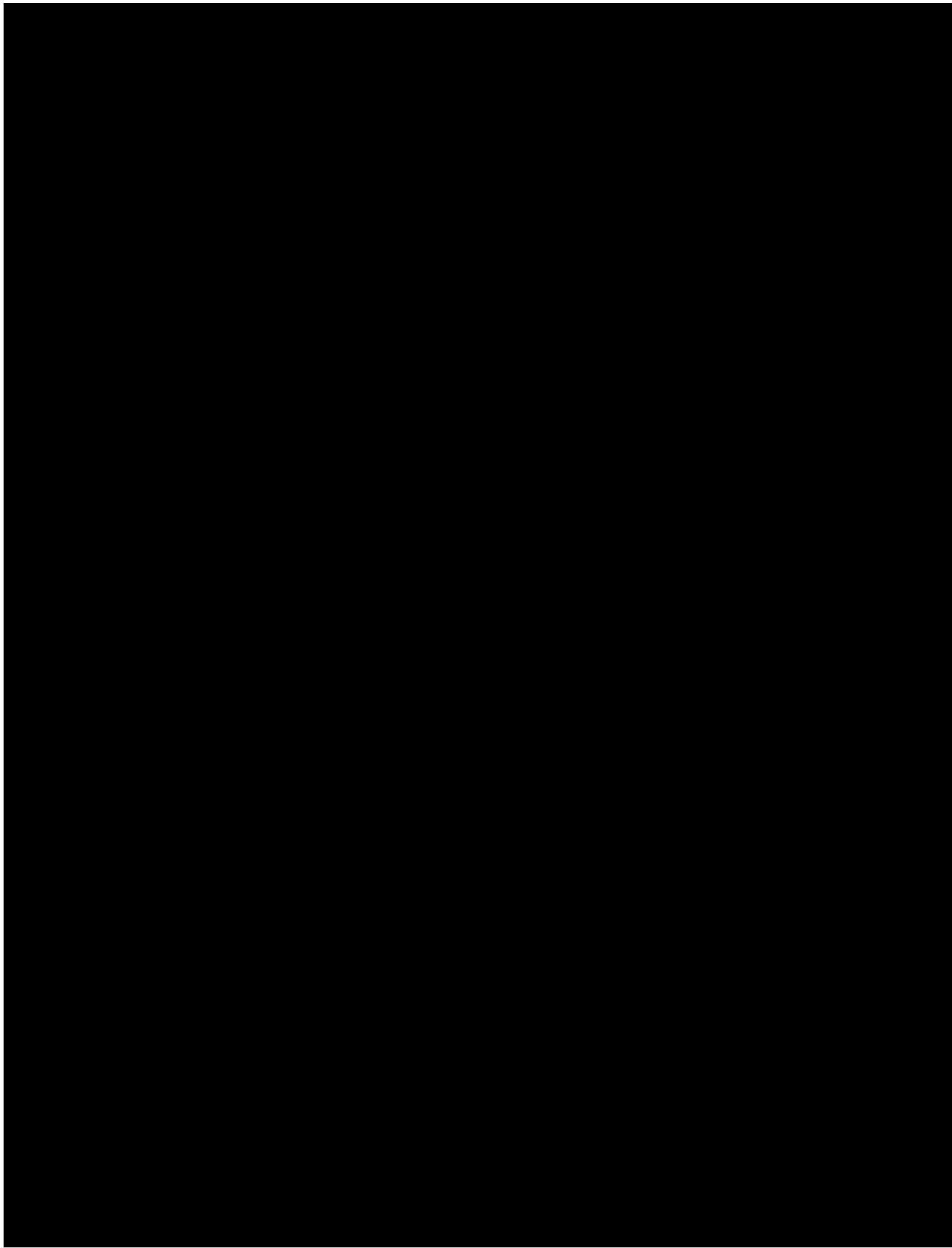


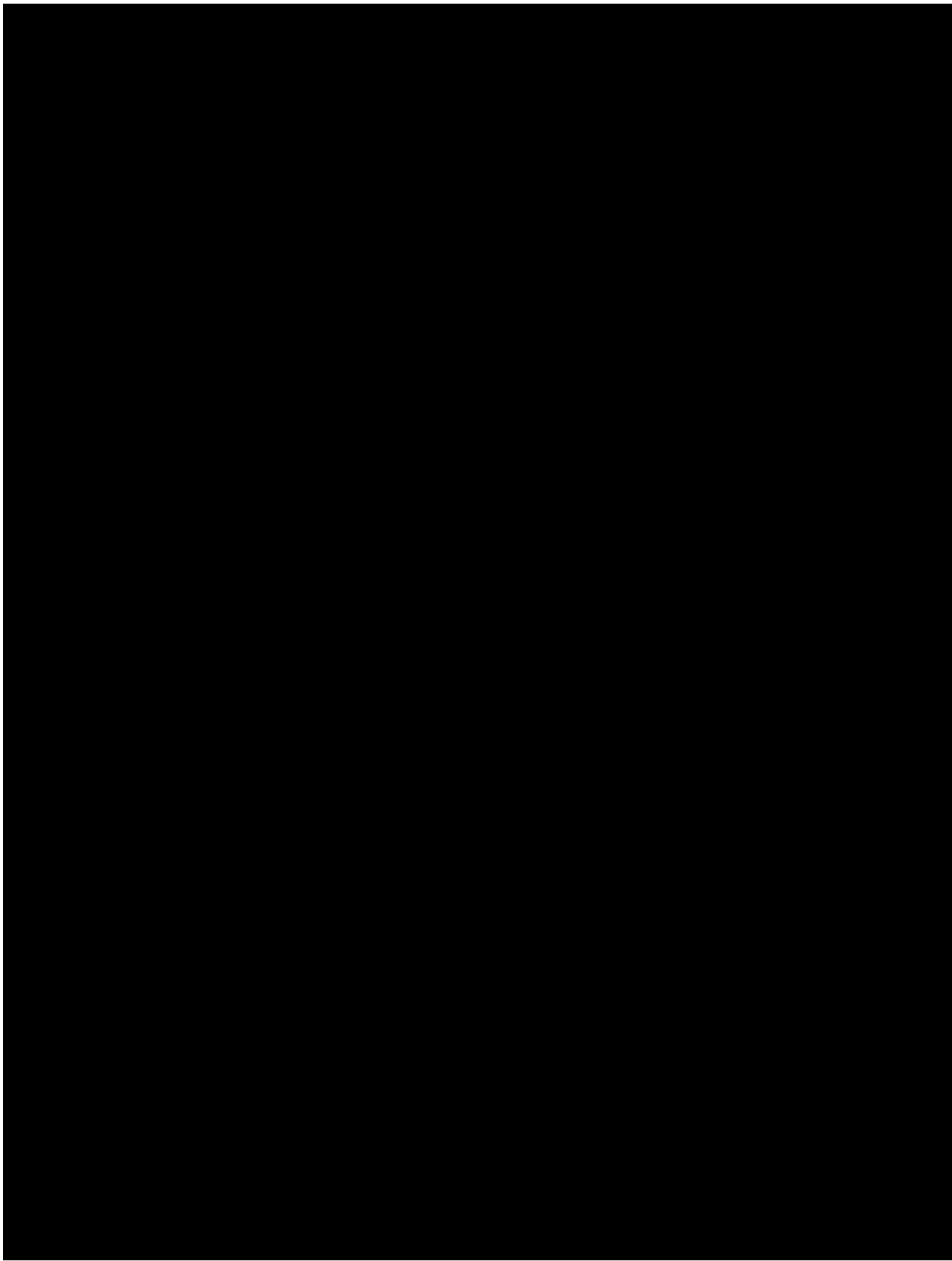


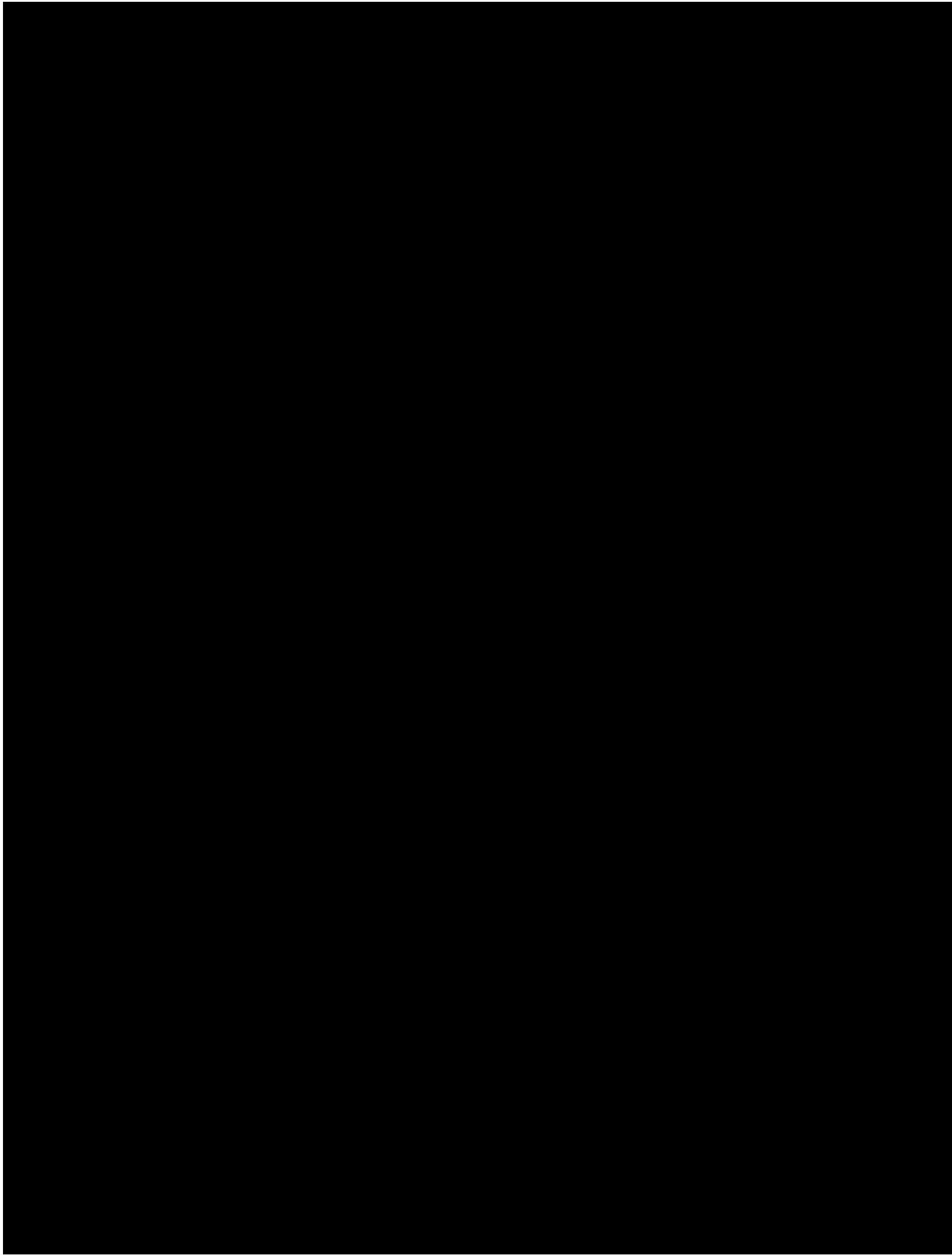












the 1990s, the number of people in the UK who are aged 65 and over has increased by 1.5 million (1990–1999) and is projected to increase by a further 1.5 million by 2010 (Office for National Statistics 2000). The number of people aged 65 and over is projected to increase by 2.5 million by 2020 (Office for National Statistics 2000).

There is a growing awareness of the need to develop strategies to meet the needs of the ageing population. The Department of Health (1999) has identified the need to develop a 'new paradigm' for the care of the elderly. This paradigm is based on the principle of 'active ageing', which is the process of maintaining and enhancing the functional ability of older people to live independently and to participate in society. The Department of Health (1999) has identified a number of key areas for action in order to achieve this paradigm, including: (1) promoting healthy ageing; (2) preventing and managing illness and disability; (3) supporting independence; and (4) promoting social participation.

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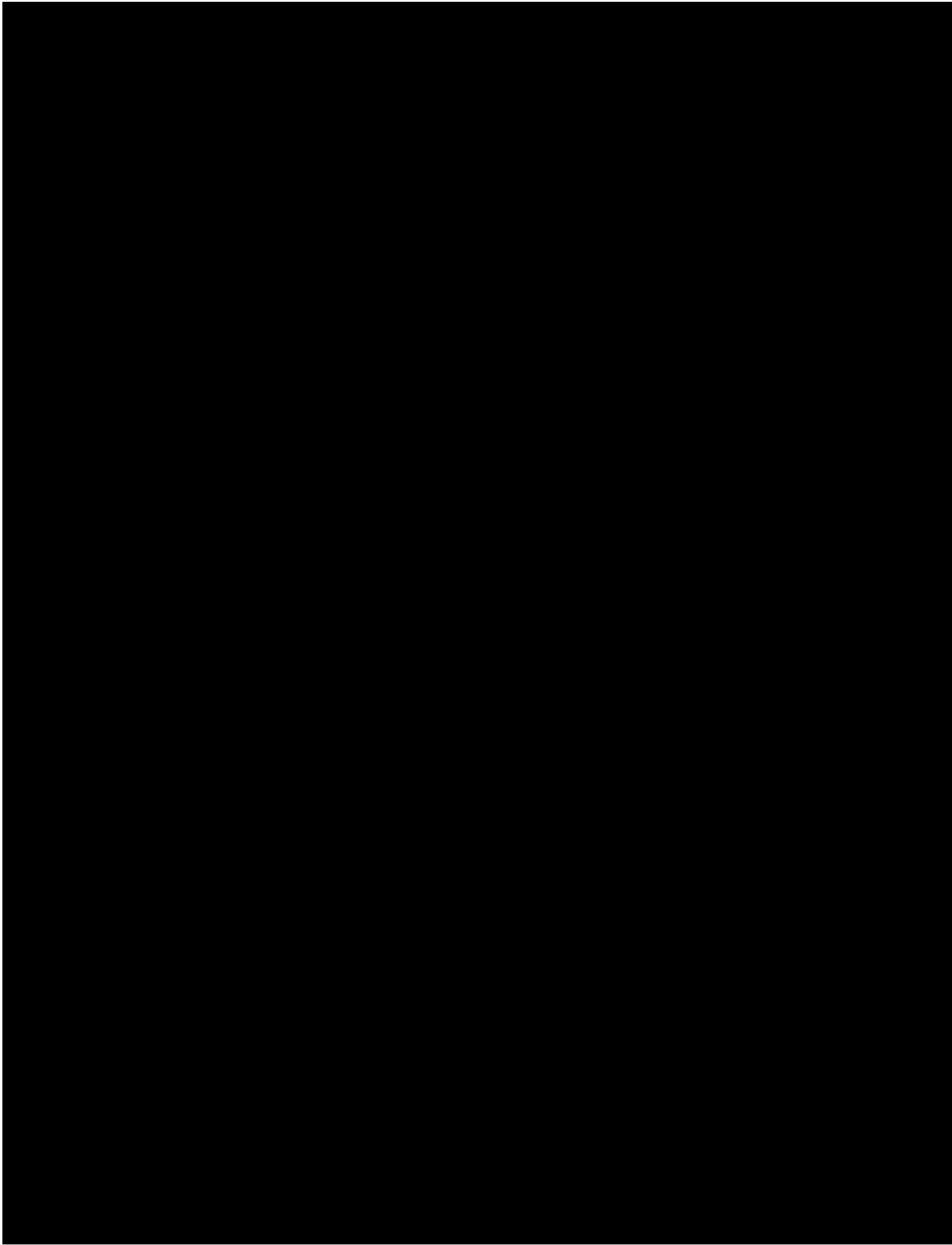
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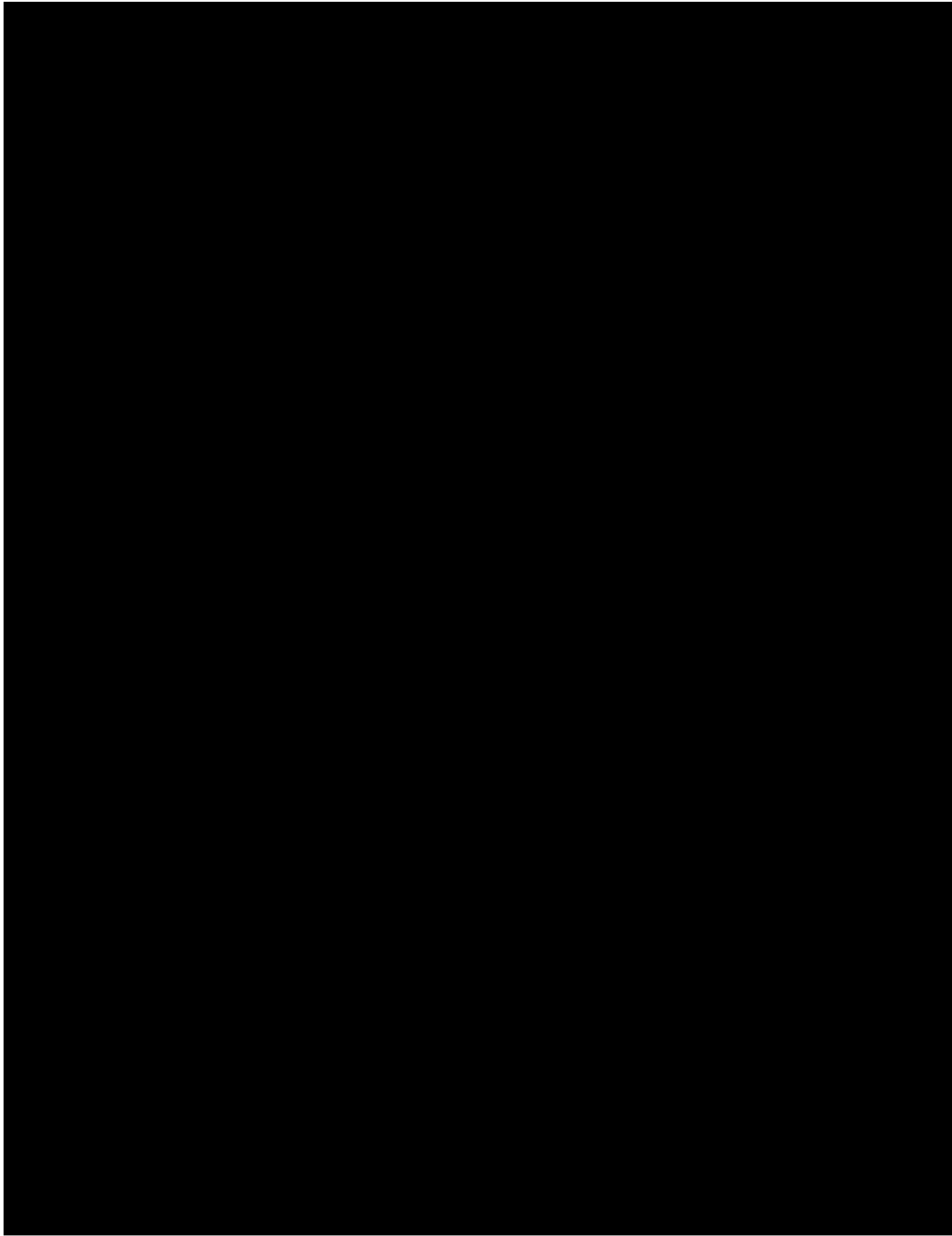
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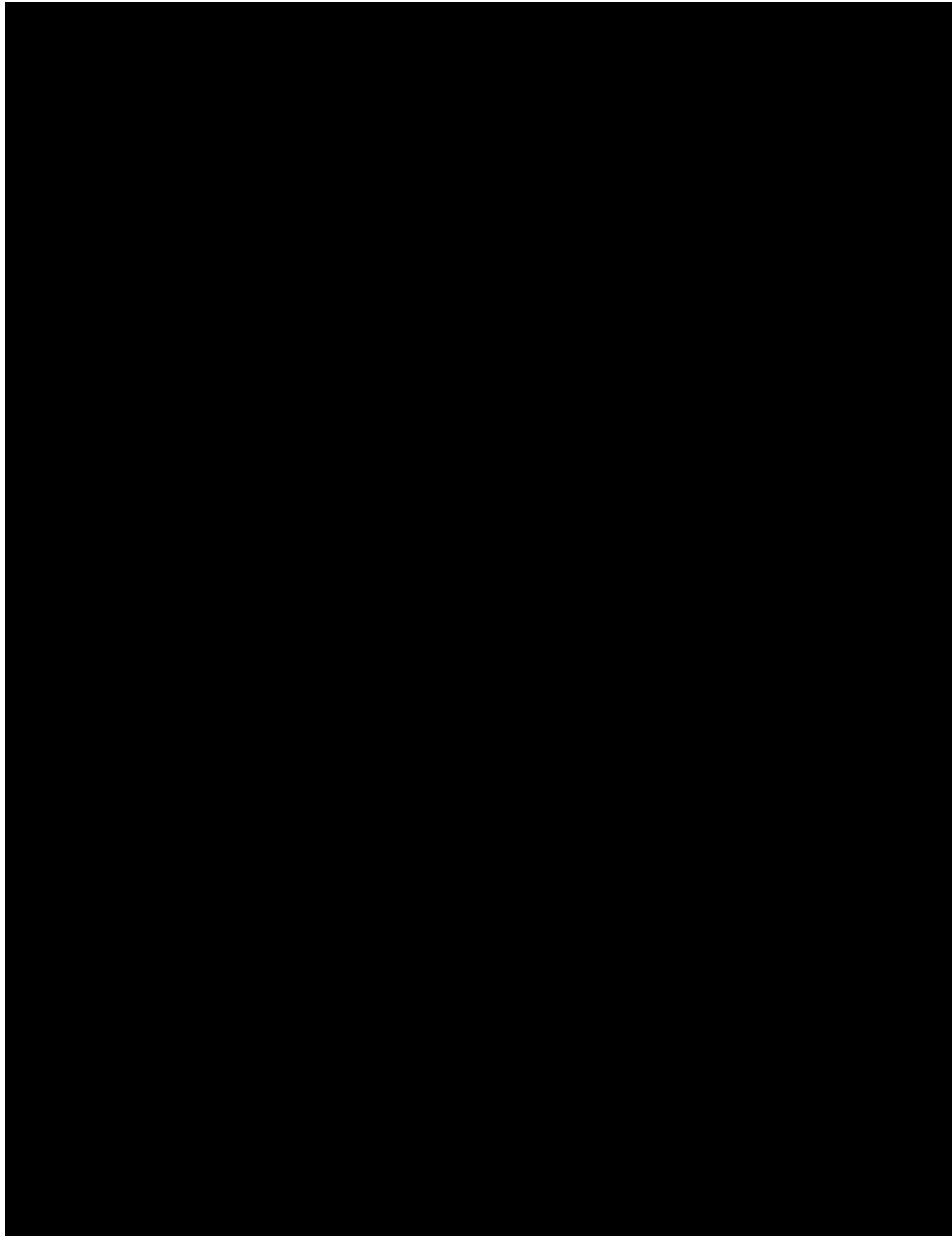
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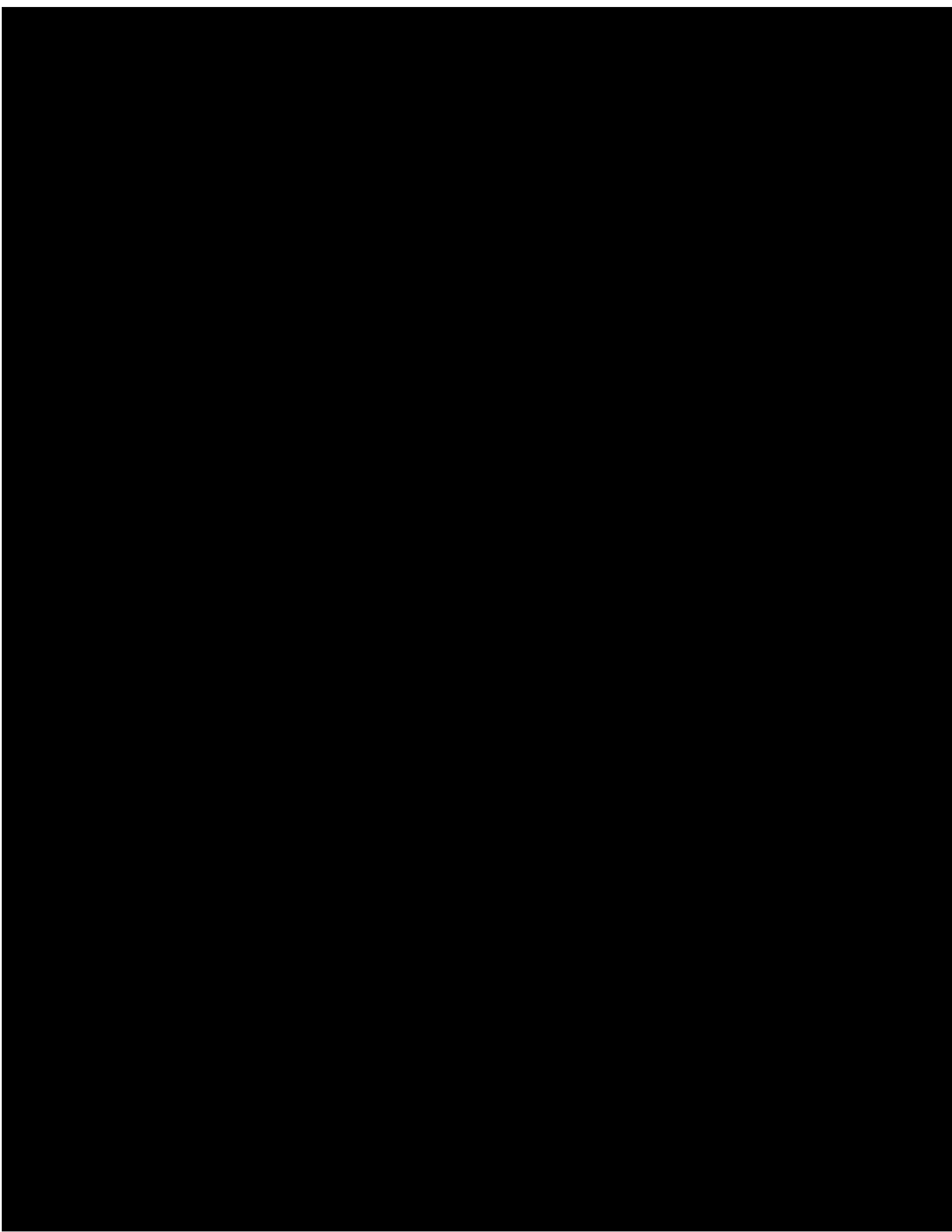
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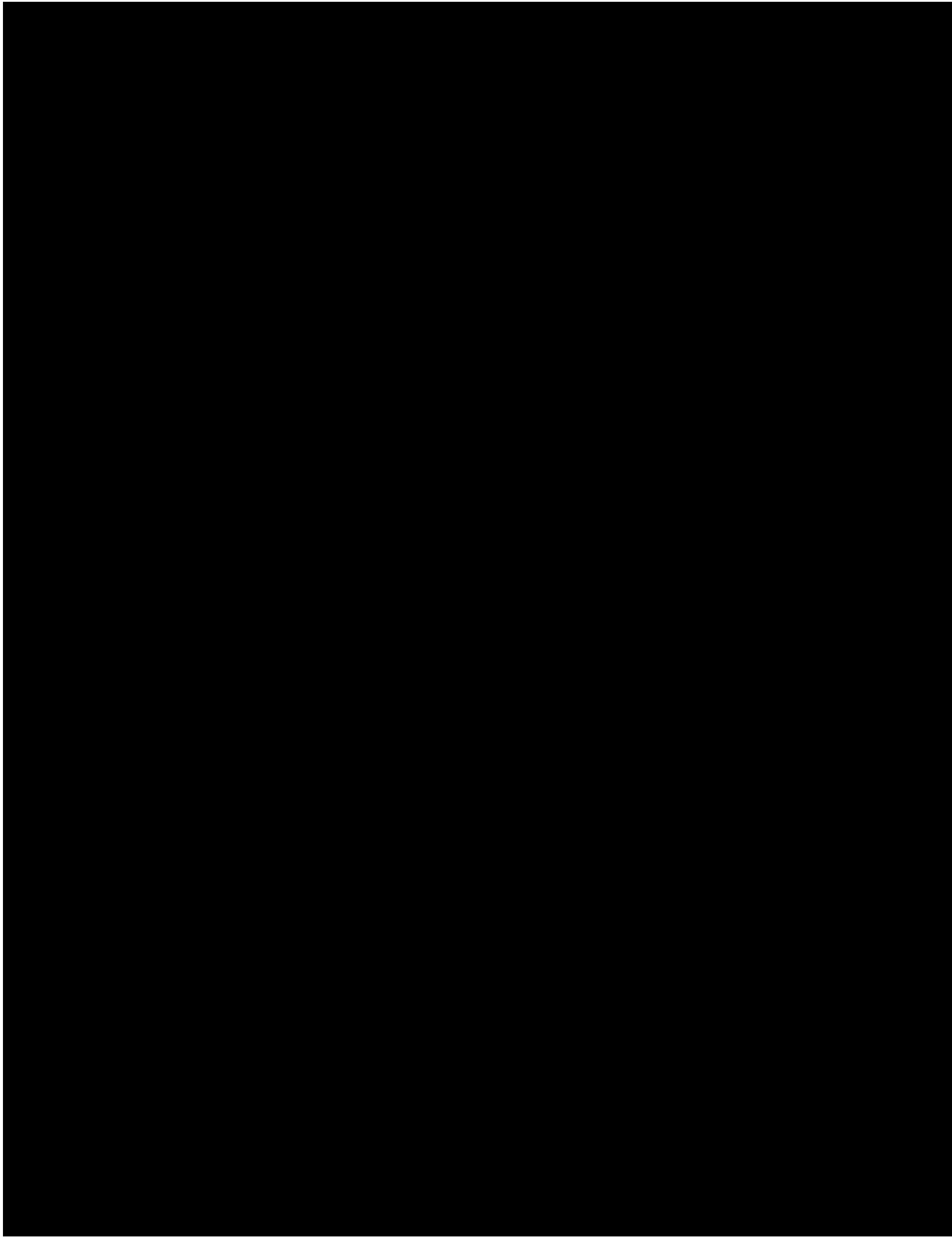
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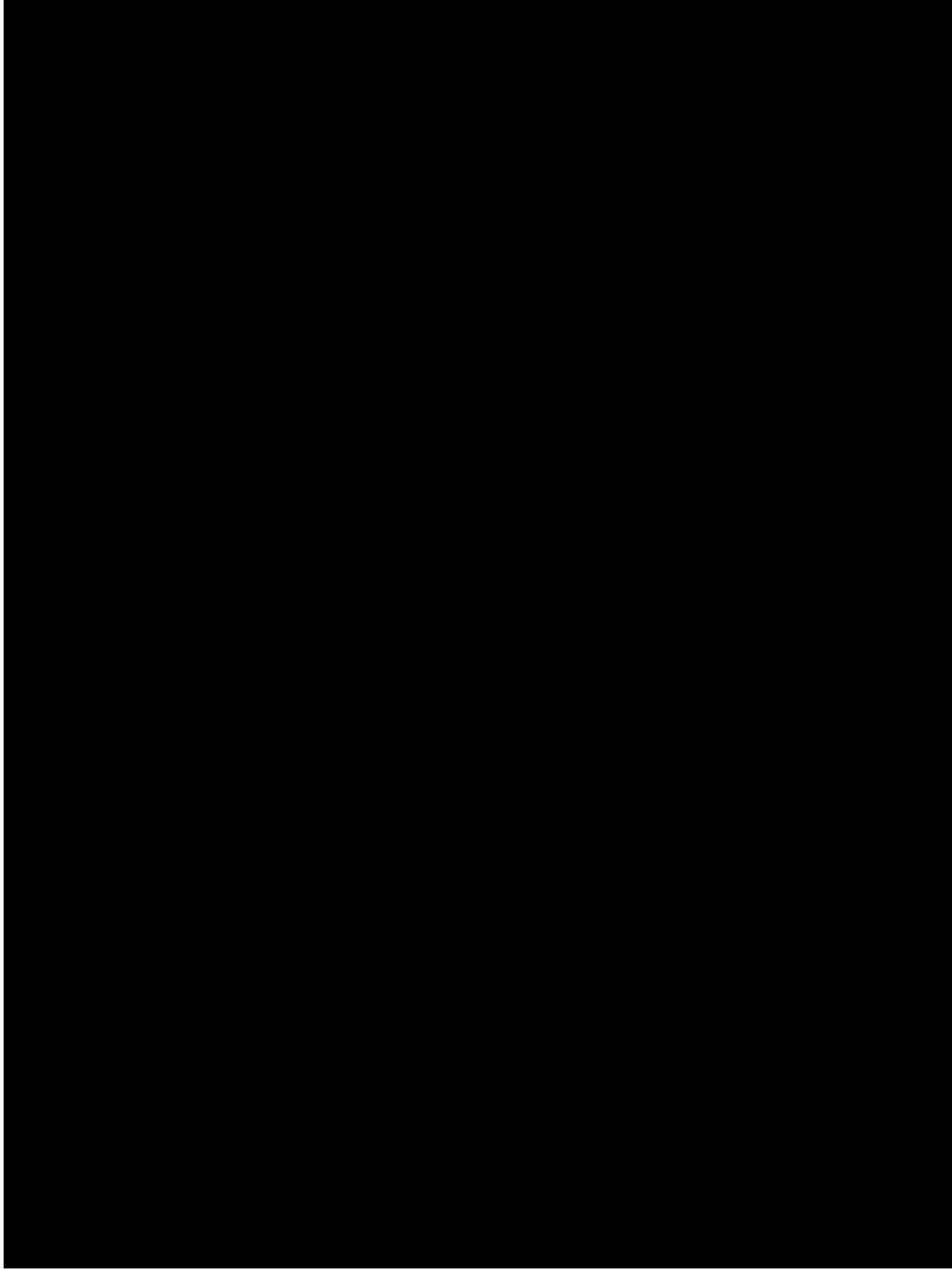


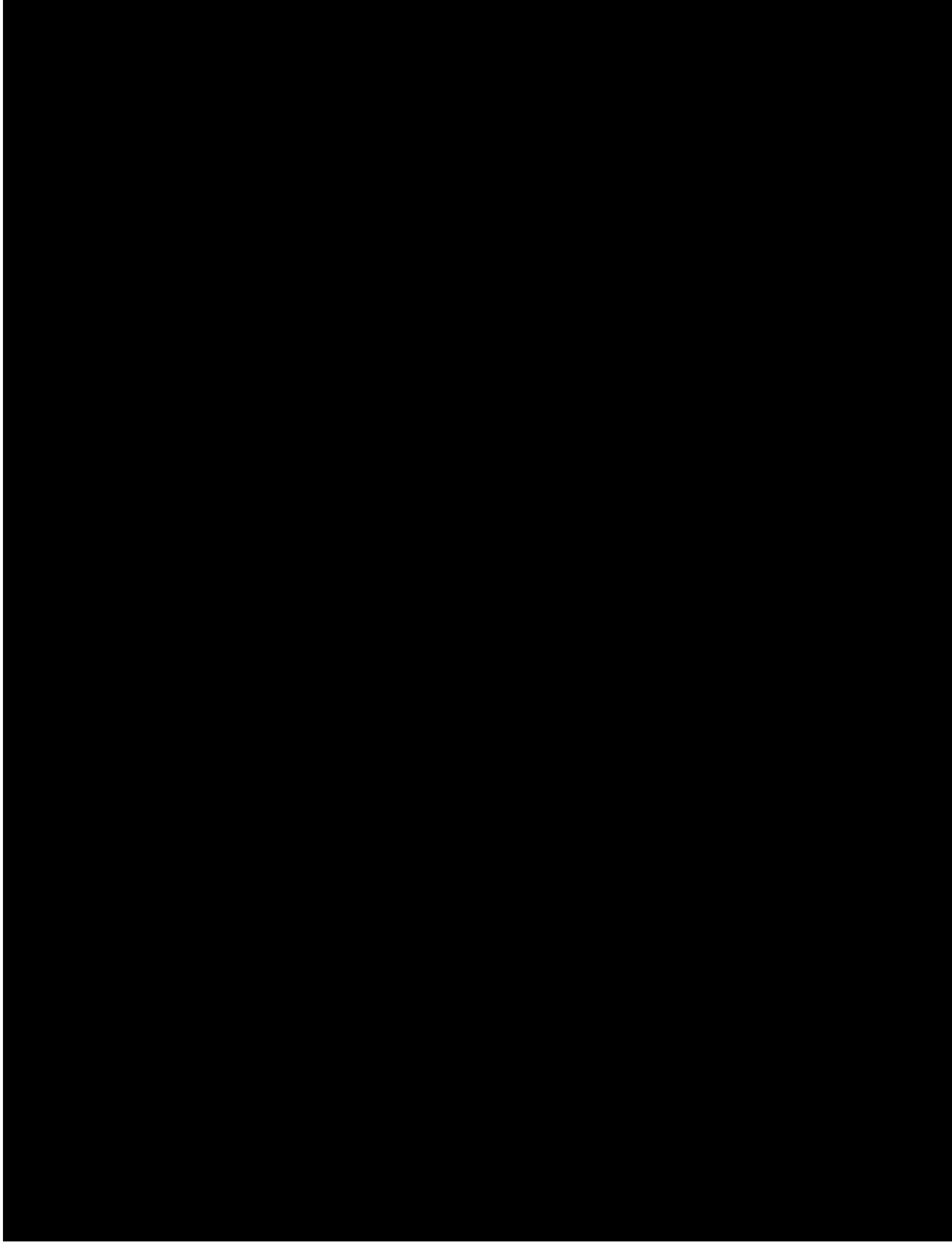


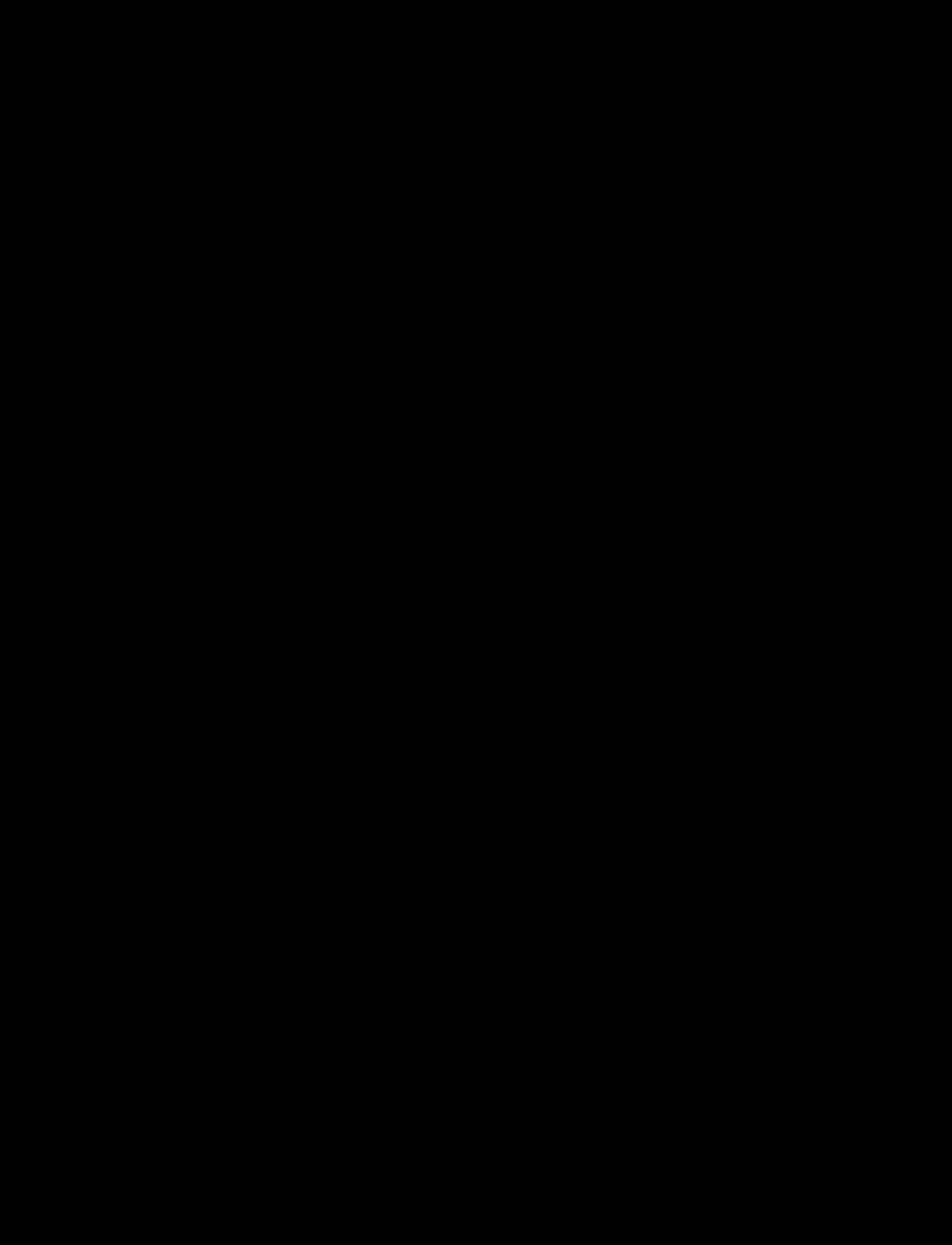


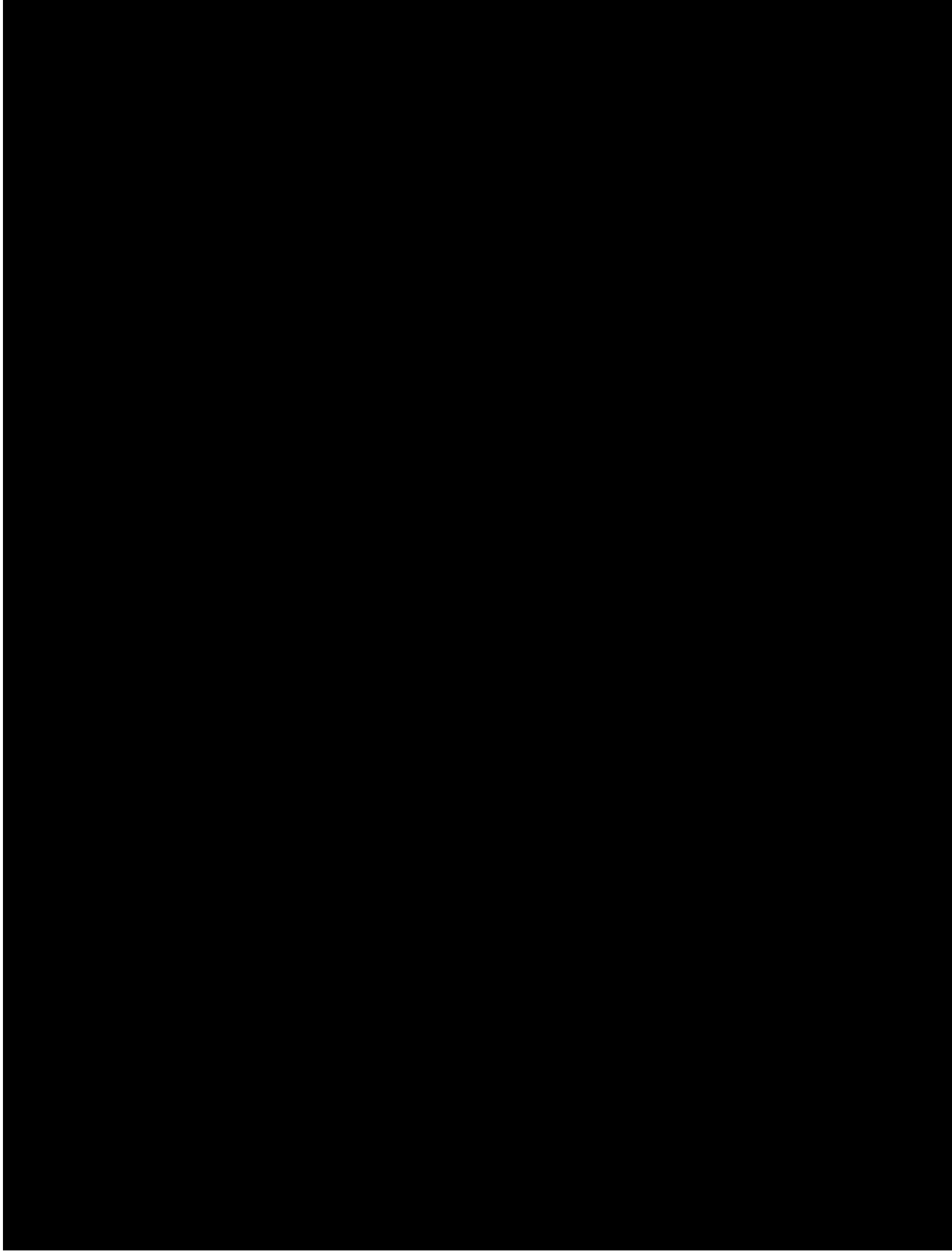


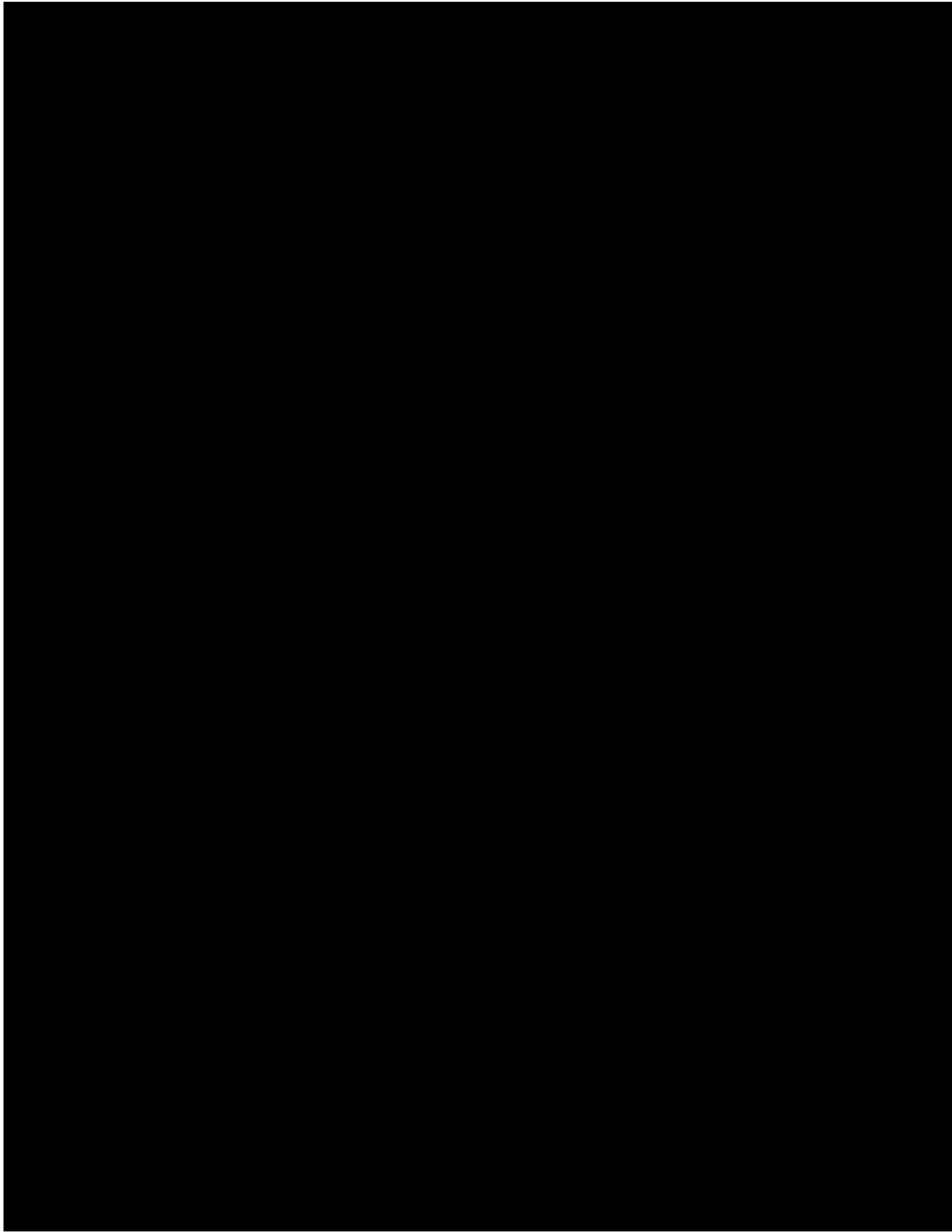


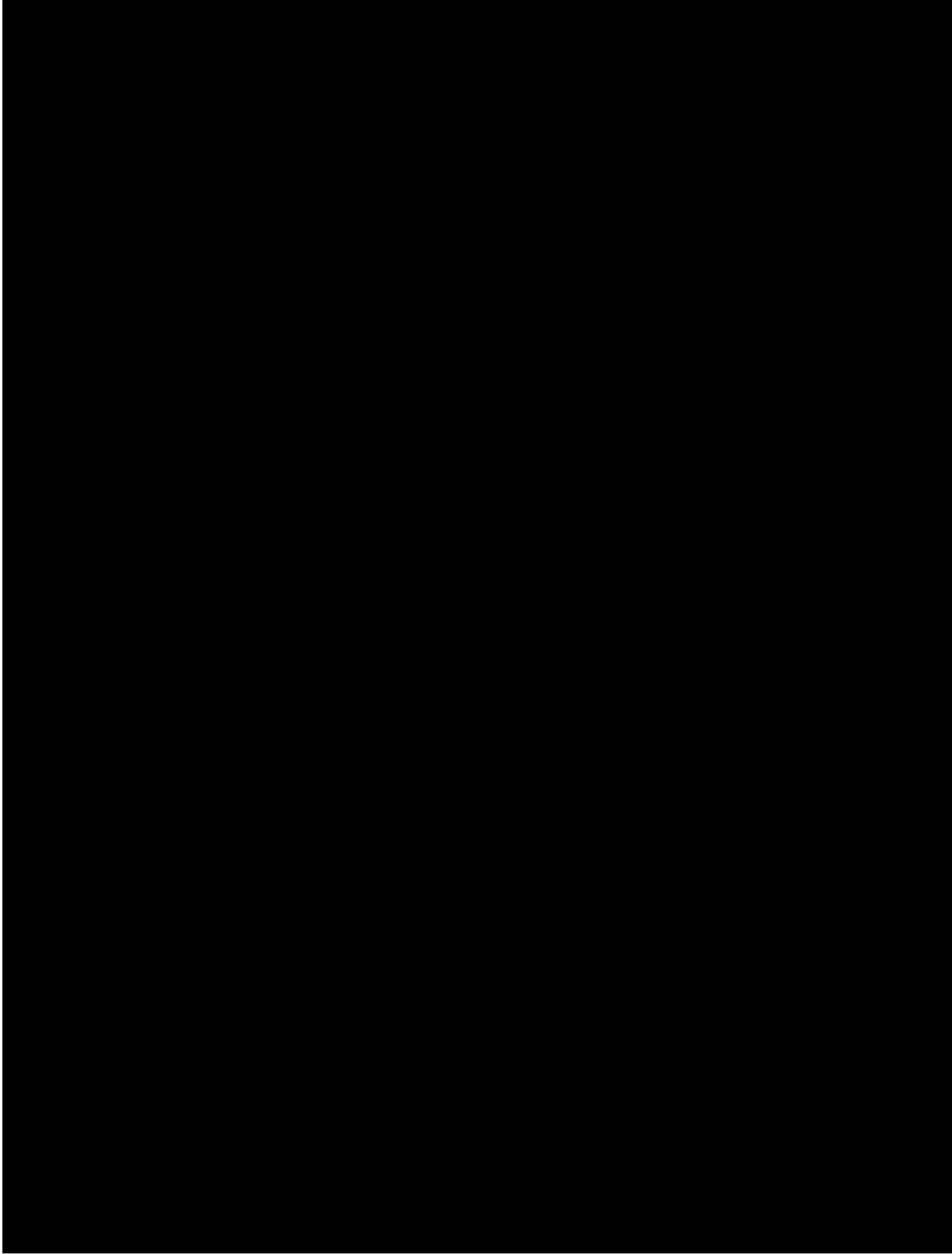


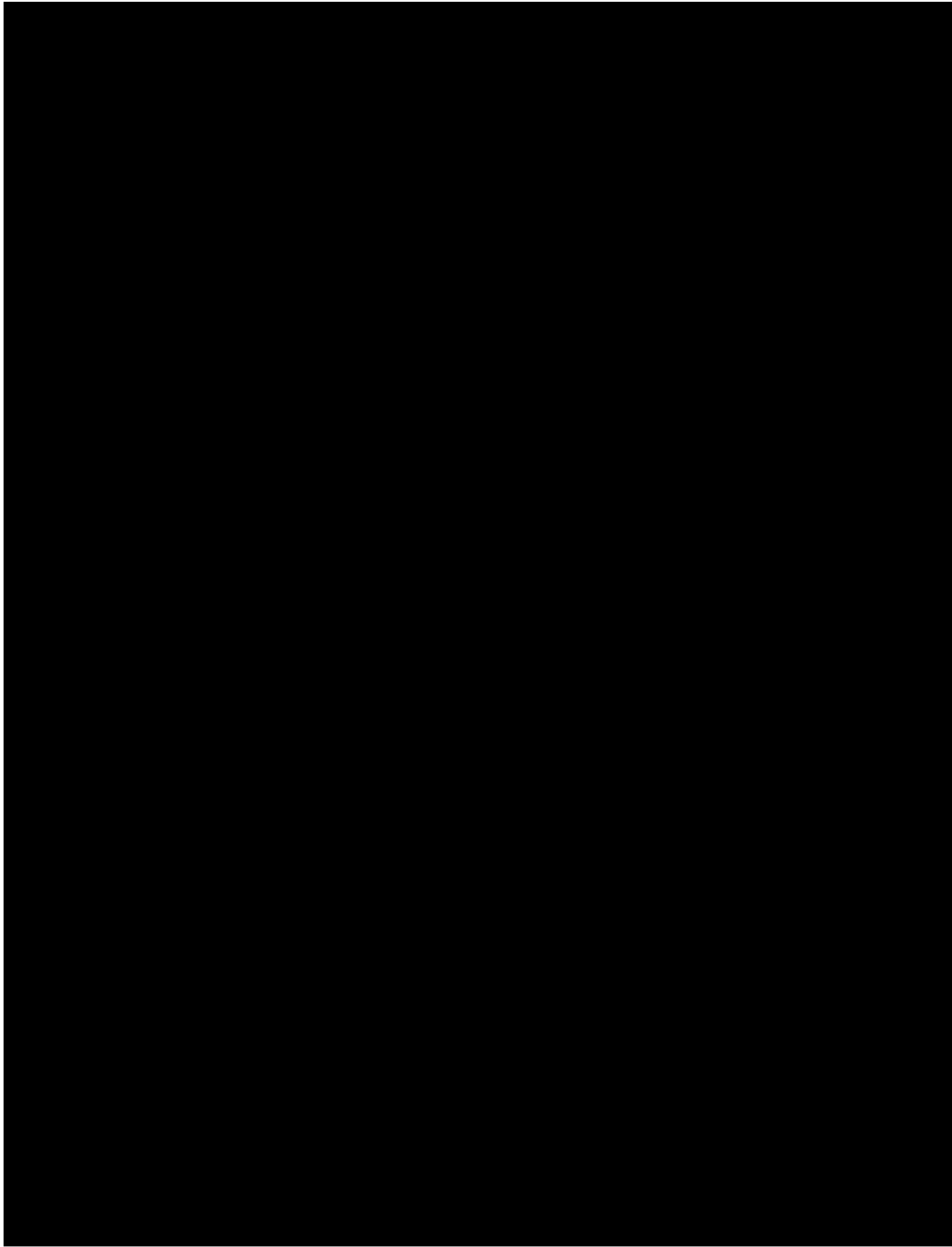


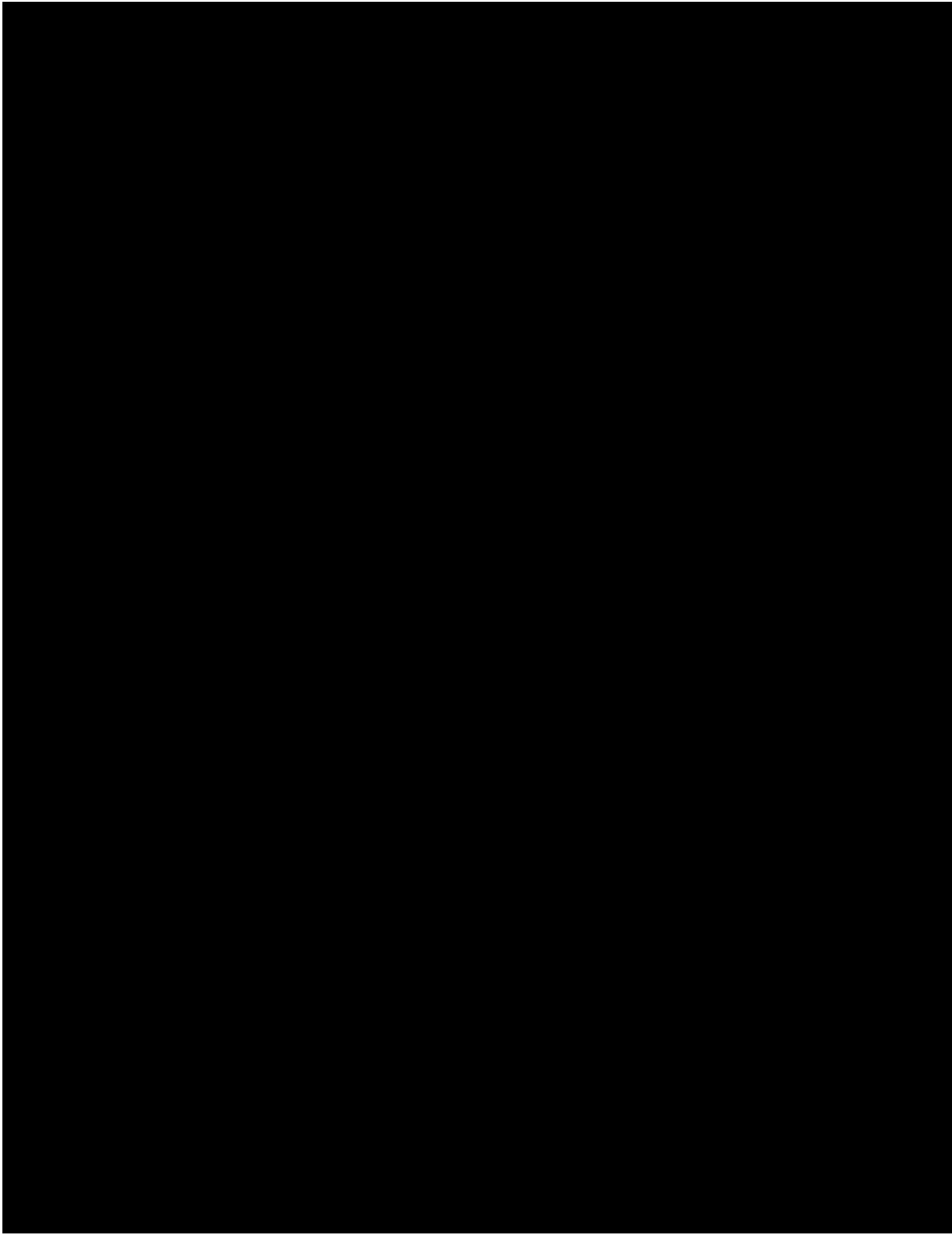


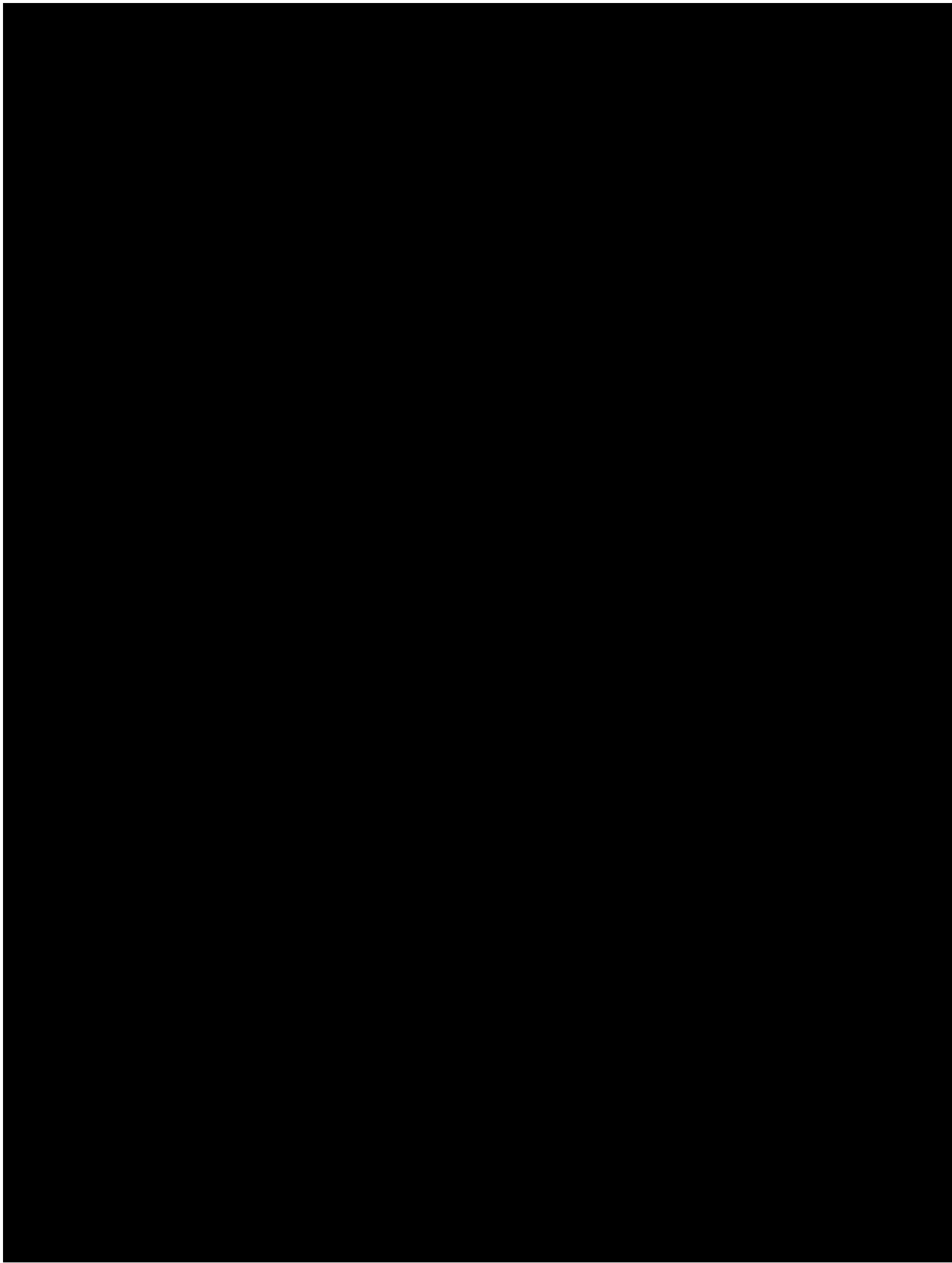


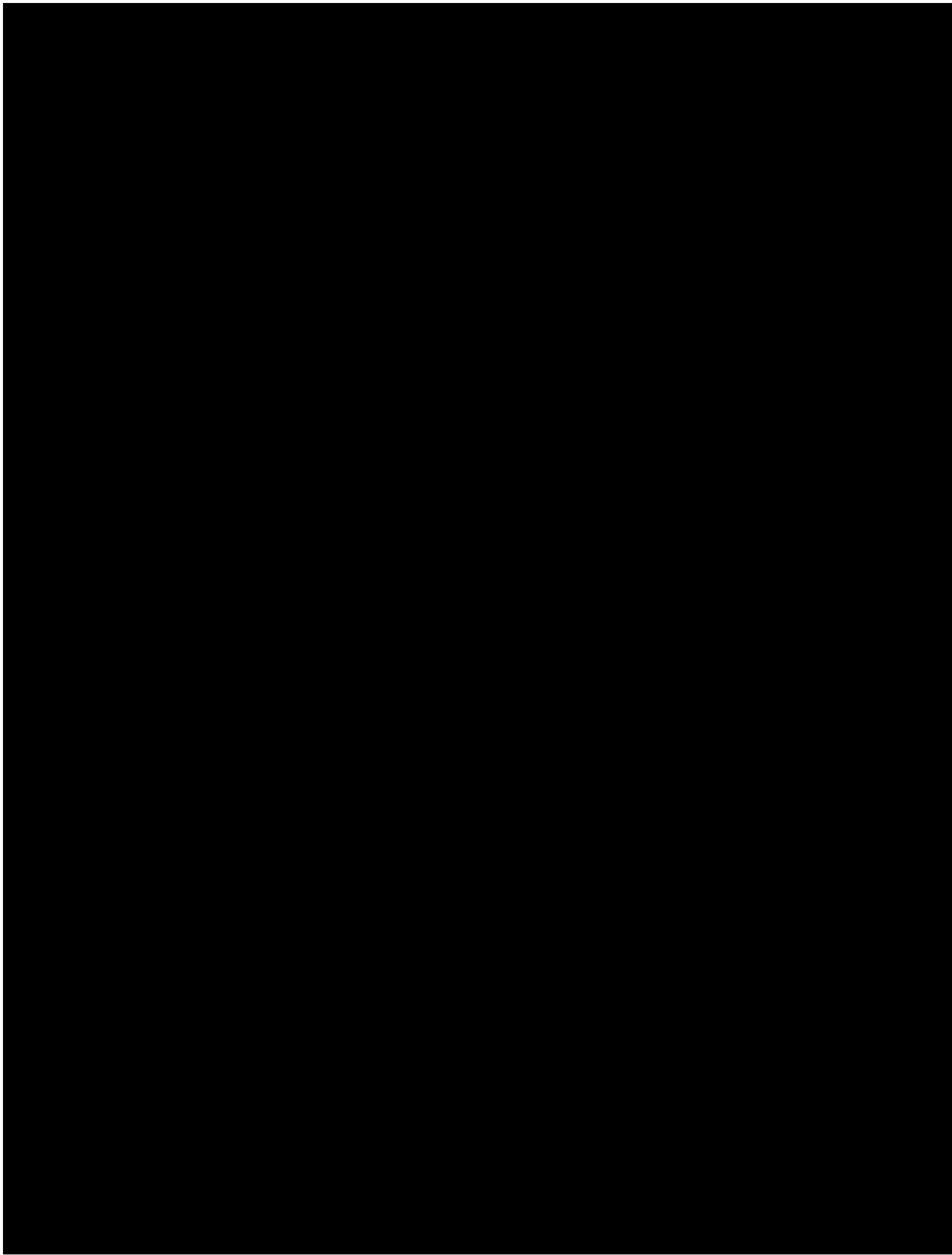


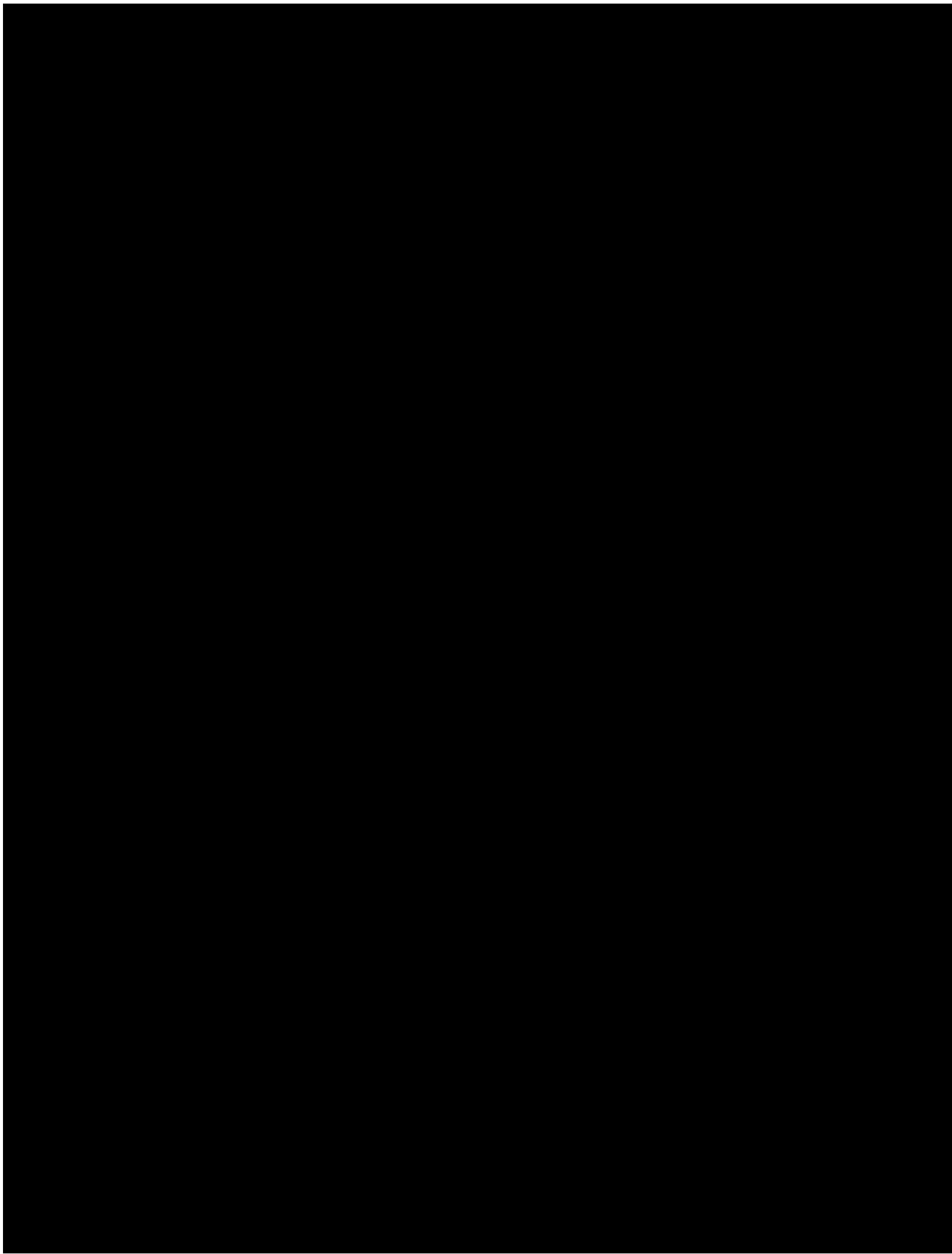


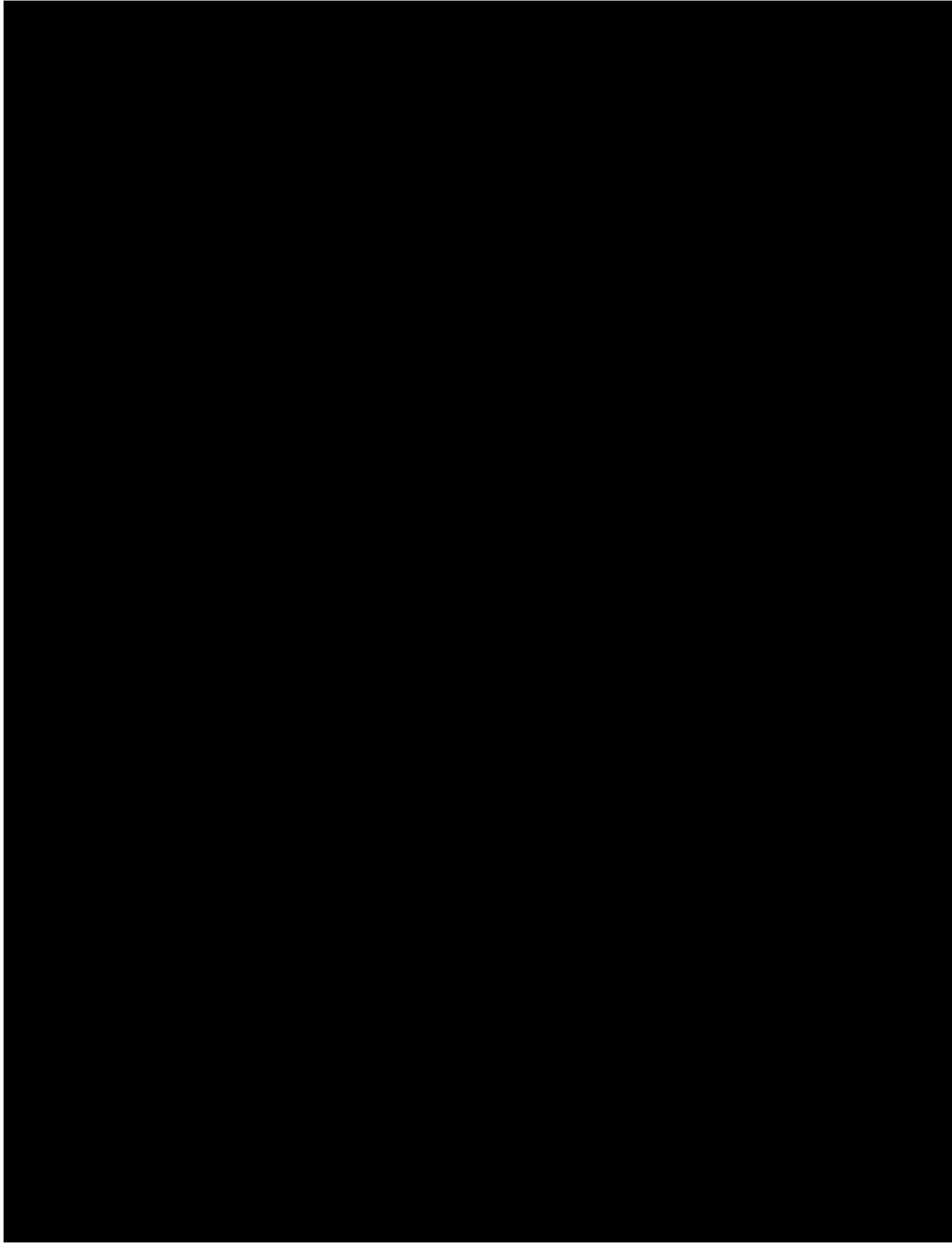




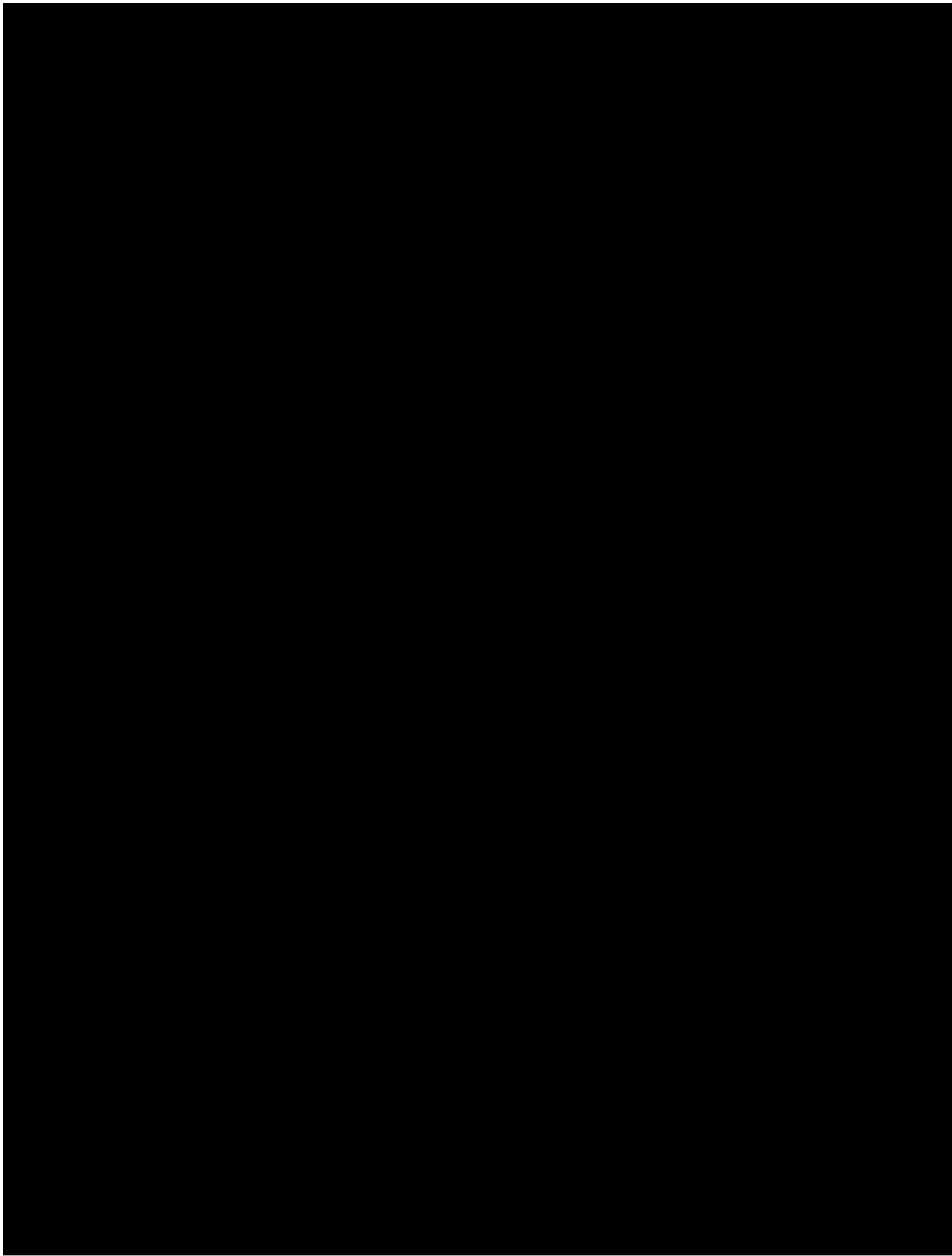








[REDACTED]



the 'information' and 'communication' fields. The 'information' field is defined as:

...the study of the nature, sources, uses, and management of information, and the study of the communication of information. (p. 1)

The 'communication' field is defined as:

...the study of the nature, sources, uses, and management of communication, and the study of the communication of information. (p. 1)

The 'information science' field is defined as:

...the study of the nature, sources, uses, and management of information, and the study of the communication of information. (p. 1)

The 'information studies' field is defined as:

...the study of the nature, sources, uses, and management of information, and the study of the communication of information. (p. 1)

The 'information technology' field is defined as:

...the study of the nature, sources, uses, and management of information, and the study of the communication of information. (p. 1)

The 'information systems' field is defined as:

...the study of the nature, sources, uses, and management of information, and the study of the communication of information. (p. 1)

The 'information science and technology' field is defined as:

...the study of the nature, sources, uses, and management of information, and the study of the communication of information. (p. 1)

The 'information science and communication' field is defined as:

...the study of the nature, sources, uses, and management of information, and the study of the communication of information. (p. 1)

The 'information science and information systems' field is defined as:

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The 'information science and information technology' field is defined as:

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The 'information science and information studies' field is defined as:

...the study of the nature, sources, uses, and management of information, and the study of the communication of information. (p. 1)

C-3.2 The Business Startup Plan also must describe how the Applicant's proposed business operations will comply with statutory and regulatory requirements (as described in Chapter 3796 of the Revised Code and division 3796:6 of the Administrative Code) necessary for the startup and continued operation of the facility including, but not limited to:

1. Security and surveillance
2. Employee qualifications and training
3. Storage of medical marijuana products
4. Inventory management
5. Record-keeping
6. Prevention of medical marijuana diversion

[illegible]

[REDACTED]

[REDACTED]

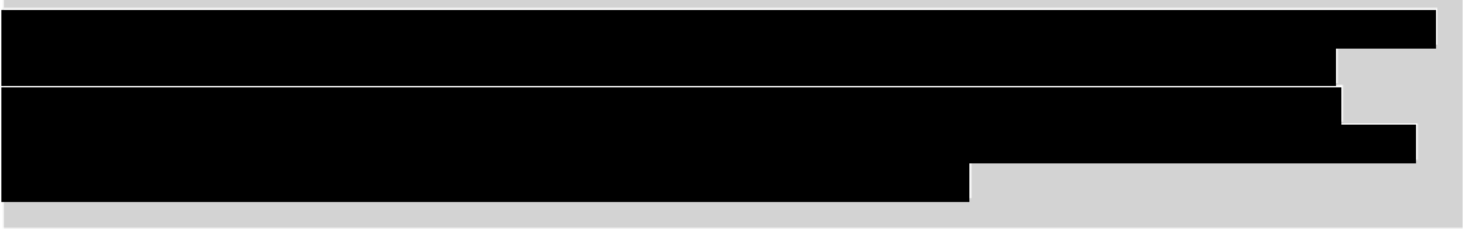
[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]



Business Plan(Description of Employee Duties and Roles)

C-4.1 Please provide a description of the duties, responsibilities, and roles of each Prospective Associated Key Employee. Please attach a Table of Organization and Control for the business. Include all individuals listed in question A-6.

TRADE SECRET

Company's organizational structure includes a Board of Directors, Executive Management Team, Consultancy Council, and Dispensary Staff. Dispensary Staff report to Executive Management Team, while Consultancy Council provides advice related to their subject matter expertise. Dispensary's Prospective Associated Key Employee duties, responsibilities and roles are detailed below; see attached C-4.2_Table of Organization and Control.

Nicole van Rensburg/Chief Executive Officer (CEO) will spearhead decision-making on strategy and policy. CEO will act as the primary communication channel between Board of Directors and operational dispensary staff. CEO is responsible for setting the values and culture of the organization, ensuring a patient centric, personalized approach to the dispensing of high-quality medical cannabis. CEO will (I) set and follow standards for operational excellence within the rules set forth by the Ohio Medical Marijuana program (II) exhibit genuine passion and excitement for the cannabis industry and instills this same passion in the team she leads; (III) attract, develop, and retain the best talent; (IV) lead in a socially responsible manner that considers all stakeholders (MMJ licensees, regulators, patients, Ohioans, clinicians) (V) manage change while safeguarding compliance measures, including regulatory at the federal, state, or municipal level; (VI) set clear direction and performance targets; (VII) motivate and empower other members of the team (VIII) solicit feedback on process improvements; and (XI) identify growth opportunities and develop relationships outside the organization.

William Hollander/Chief Operating Officer (COO) as an experienced healthcare operations management executive, will play a critical role in quality-of-care initiatives and be responsible for directing Company's short and long-term operational plans. COO will (I) systematize and manage operating procedures, specifically those relating to infrastructure planning, staff training, patient intake/counseling, integration of software, recordkeeping, product labeling, inventory management, safe dispensing, anti-diversion, security, receiving product, facility sanitation, and patient education; (II) develop operational efficiencies, e.g. related to human resources, security and compliance; (III) establish controls and fail-safes to minimize operational errors; and (IV) integrate technology through POS system, online ordering, and patient relationship management software. As a facilitator of change initiatives, executor of strategic plans, and controller of capital budgeting decisions, COO works most closely with CEO, DCD, and CSO.

Steven B. Sandler/Chief Financial Officer (CFO) will direct Company's fiscal functions in accordance with Generally Accepted Accounting Principles and financial management techniques and practices appropriate within the industry. CFO will (I) plan, develop, organize, implement, direct, and evaluate the organization's fiscal functions and performance; (II) assist with auditing and recordkeeping activities; (III) develop budget analyses and financial reports to assist the CEO/COO, the Board, and other senior executives; (IV) provide strategic financial input and leadership on decision making issues affecting the organization (e.g., evaluation of potential alliances, acquisitions, or mergers); and (V) optimize handling of bank and deposit relationships and initiate appropriate strategies to enhance cash position.

Gregory Gamet/Chief Procurement Officer (CPO) will assist with product procurement decisions (e.g. related to lab analysis and quality assurance), staff education (on grow mediums, nutrients, yields,

etc.), and cultivator relations. CPO will (I) design and maintain policies to guarantee an uninterrupted supply of safe, pure, and effective finished cannabis products; (II) manage cultivator negotiations; (III) analyze POS system data, including inventory to sales ratios and product stock-outs; and (IV) aggregate patient feedback collected through surveys and online reviews. CPO will work closely with DCD and DR. Due to CPO's longstanding MMJ dispensary, extraction, and cultivation experience, CPO will also assist with product storage, facility sanitation, and equipment maintenance policies.

My Nguyen, PharmD/Dispensary Clinical Director (DCD), an Ohio licensed Pharm D., will work directly with dispensary staff, patients, recommending physicians/ other clinicians, and regulators to ensure a consistent process of MMJ patient care that achieves optimal health outcomes. DCD will (I) advise on best practices for dispensary operations reflective of his pharmacy-retail experience and requirements put forth in OAC 3796:6-3-01; (II) review, approve, and administer dispensary employee training and patient education materials; (III) enforce and monitor substance abuse preventing programs; (IV) identify dispensing errors and take necessary appropriate action per 3796:6-3-12; (V) serve as a clinical resource (e.g. ensuring appropriateness of patient medical cannabis treatment regimens) for dispensary employees; (VI) weigh-in on hiring decisions; and (VII) provide compliance oversight, feedback on service improvement, and corrective action plans as a means to continuously streamline operational processes. DCD will work closely with Medical Director, DR, and Substance Abuse Director, as several of their responsibilities coincide. DCD shall be available onsite or on-call 24/7.

Stephen A. Hedge/Substance Abuse Director (SAD) will draw upon decades of experience in behavioral/mental health to design and oversee Company's robust substance abuse prevention and education programs. SAD's program shall incorporate (I) written SOP substance abuse policies, such as those required by OAC 3796:6-3-15 (related to patient and caregiver educational materials) and reporting/ documentation practices; (II) employee education and awareness, as specified by OAC 3796:6-3-19(E)(3); (III) supervisory substance abuse education for DR and DCD; (IV) participation in public substance abuse education and prevention programs; (V) protocols related to state mandated controlled substance reporting, in conjunction with DR and DCD, (as required by OAC 3796:6-3-10), and investigations by authorities involving the misuse of controlled substances; and (VI) credible referral sources. SAD shall maintain professional competency through formal and informal continuing education along with active participation in emerging research studies. SAD shall remain abreast of drug trends and threats in the local community, county, and state at large. SAD shall assess and update Company's substance abuse program. SAD shall provide coaching and hands-on supervision as needed and be available "on-call" for crisis intervention consultation.

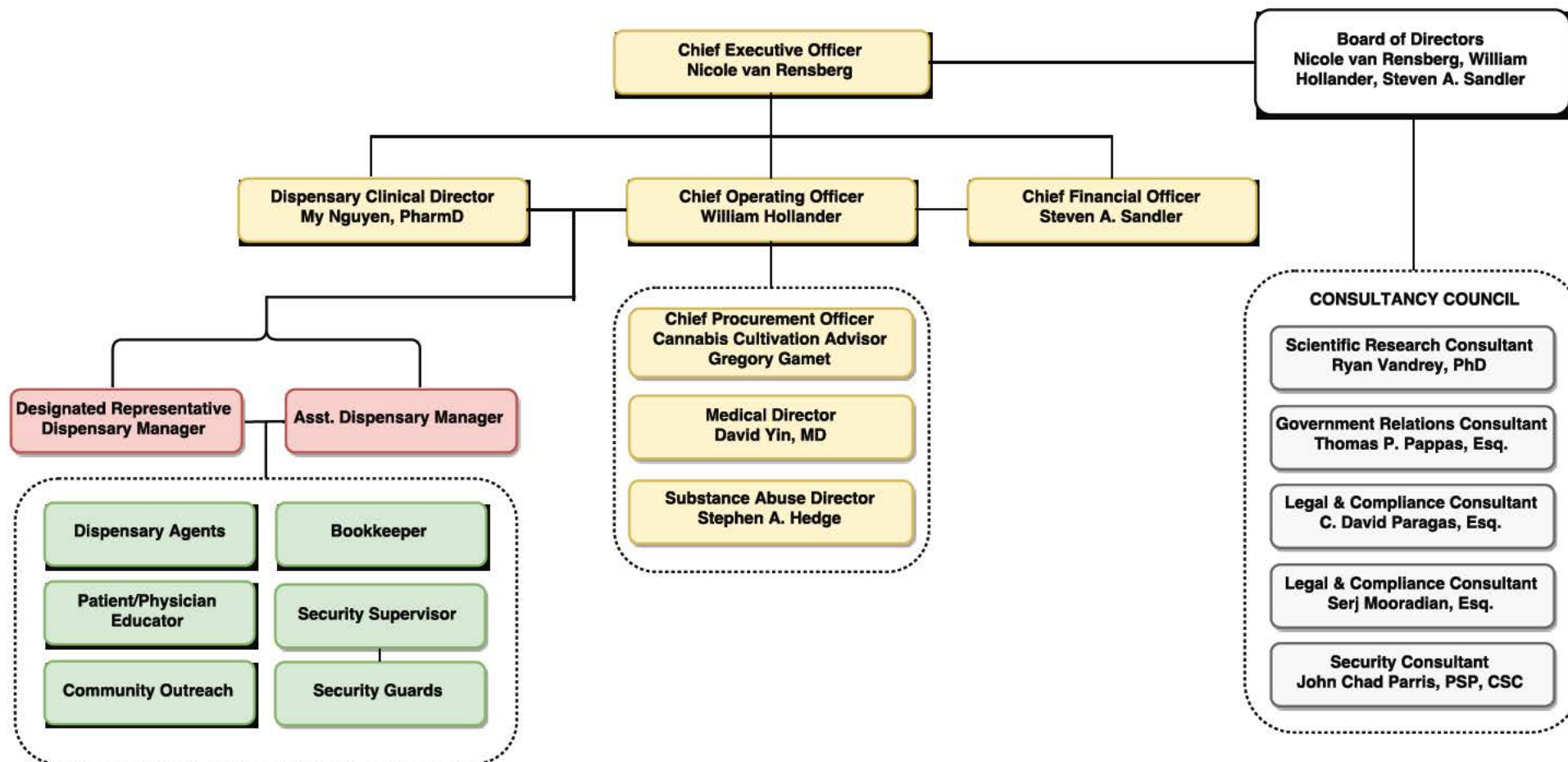
David Yin, MD/Medical Director (MD) assures delivery of high-quality MMJ care through managerial, administrative, and performance improvement functions. MD, a state licensed Medical Doctor, shall be onsite or available by phone at all times. MD's duties and responsibilities shall include: (I) developing and providing training to dispensary staff per OAC 3796:6-3-19 with guidelines related to product risks, benefits, and side effects; (II) overseeing the development and dissemination of patient educational materials in conformance with OAC 3796:6-3-19, including potential interactions with other consumables (prescription and non-prescription drugs, supplements, alcohol), symptom assessment protocols, side effects and contraindications of MMJ, techniques for the use of MMJ and paraphernalia, and guidelines for reporting MMJ usage and symptoms to the recommending physician; (III) evaluating staff performance through regular appraisals and documentation of feedback; (IV) implementing product safety and quality assurance standards; and (V) leading planning for the development of new clinically-based dispensary programs. MD will work closely with DCD and DR.

C-4.2 Please attach a Table of Organization and Control for the business. Include all individuals listed in question A-6.

Uploaded Document Name: **C-4.2_Table of Organization and Control.pdf**

NOTE: This applicant uploaded document is the next 1 page(s) of this document.

COMPANY ORGANIZATIONAL CHART



Business Plan(Capital Requirements)

Item 1 of 1

C-5.1 Type of Capital

CASH

C-5.2 Source of Capital

OWNERS ARE FUNDING COMPANY

C-5.3 Name and Address of financial institution

This response has been entirely redacted

C-5.4 Account Number

This response has been entirely redacted

C-5.5 Illustrate that the Applicant has adequate liquid assets to cover all expenses and costs for the first year of operation as indicated in the dispensary's proposed Business Startup Plan (Question C-3). The total amount of liquid assets must be no less than \$250,000. Provide **unredacted** documentation from the Applicant's financial institution to support these capital requirements. ([ORC 3796:6-2-02](#))

This response has been entirely redacted

C-5.5.1 Please attach a **redacted** copy of documentation from the Applicant's financial institution to support the capital requirements. ([ORC 3796:6-2-02](#))

Uploaded Document Name: **C-5.5.1_Proof of Capital Redacted.pdf**

NOTE: This applicant uploaded document is the next 3 page(s) of this document.

Legal Source of Finances: [REDACTED] was formed for the sole purpose of applying for and operating Medical Marijuana Dispensaries in Ohio. The company was formed in May of 2017 and is not yet operational. All funding for the application and operations is provided for by the shareholders of the company. [REDACTED] owns 50% of [REDACTED] and will be providing the funding for the operations. Attached hereto please find [REDACTED]. [REDACTED] is 100% owned by [REDACTED]. The current statement balance in cash on deposit as of [REDACTED]. This amount is more than the minimum Proof of Assets requirement of \$250,000.00 in liquid assets. [REDACTED] has pledged the necessary funds to build out the medical marijuana dispensary as provided for in other parts of this application as well as the necessary carry costs to cover the operation until it reaches profitability. Please see attached Pledge of [REDACTED]

AFFIDAVIT OF [REDACTED]


I, [REDACTED] do hereby attest to the following:

1. I am a 50% owner of [REDACTED]
2. I am the sole owner of [REDACTED] and owner of bank account under [REDACTED] located at [REDACTED]. Attached hereto please find the most recent [REDACTED] statement dated September 29, 2017.
3. I am aware of the minimum capital requirements for the Ohio Medical Marijuana Dispensary Application of having at \$250,000.00 in liquid assets which I have as demonstrated in the [REDACTED] Statement.
4. I hereby commit to the funding and pledge a minimum of \$700,000.00 or funds as needed by [REDACTED] LLC to build out the medical marijuana dispensary(ies) as well as the necessary capital required to cover the operational costs until the operation reaches profitability.

[REDACTED]

Dated: November 14, 2017

Sworn and subscribed to me
this 14th day of November, 2017.


Notary Public

My commission expires: 6/18/20

[REDACTED]

09/29/17

0261038443

33
*** CHECKING *** EP
ACCOUNT NUMBER
PREVIOUS STATEMENT BALANCE AS OF 08/31/17 3,889,020.54
PLUS 4 DEPOSITS AND OTHER CREDITS 34,974.96
LESS 57 CHECKS AND OTHER DEBITS 306,786.58
CURRENT STATEMENT BALANCE AS OF 09/29/17 3,617,208.92
NUMBER OF DAYS IN THIS STATEMENT PERIOD 29

CYCLE-031

*** CHECK TRANSACTIONS ***

SERIAL	DATE	AMOUNT	SERIAL	DATE	AMOUNT
5928	09/01	325.00	5957*	09/18	260.00
5935*	09/07	4,250.00	5958	09/18	200.00
5937*	09/05	260.00	5959	09/27	245.00
5943*	09/11	230.00	5961*	09/25	260.00
5944	09/11	230.00	5962	09/29	89.95
5945	09/05	360.00	5963	09/25	14,600.00
5946	09/15	3,915.00	5965*	09/28	1,150.00
5947	09/18	260.00	5966	09/25	100.00
5948	09/14	2,220.63	5967	09/25	42.25
5949	09/15	226.03	5970*	09/29	630.12
5950	09/15	86.31	5971	09/28	1,496.58
5951	09/21	325.00	5976*	09/29	940.00
5952	09/18	14.90	5979*	09/29	500.00
5953	09/20	1,000.00	5980	09/29	250.00
5954	09/18	574.60	5981	09/29	500.00
5955	09/22	110.00			

*** CHECKING ACCOUNT TRANSACTIONS ***

DATE	DESCRIPTION	DEBITS	CREDITS
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09/01			12,056.80
09/01		35,220.00	
09/01		4,000.00	
09/01		4,636.17	
09/01		4,750.00	
09/01		15,000.00	
09/01		20,119.80	
09/07		28.00	
09/07		26,601.00	
09/08		2,000.00	
09/08		10,000.00	
09/12		3,253.49	
09/12		13,421.15	
09/12		200.00	

Business Plan(Business History and Experience)

Item 1 of 3

C-6.1 First Name

NICOLE

C-6.2 Middle Name

No response provided by applicant

C-6.3 Last Name

VAN RENSBURG

C-6.4 Previous Role (e.g. Owner, Officer, Board Member, Person with Financial Interest, Person Exercising Substantial Control, Support Employee)

OWNER / OFFICER

C-6.5 Business Name

MIDWEST COMPASSION CENTER AND MARYLEAF, LLC

C-6.6 Business Address

1335 LAKESIDE DR. UNIT 4 ROMEOVILLE, IL 60446 AND 11530 MIDDLEBROOK RD.
GERMANTOWN, MD 20876

C-6.7 Position of management or ownership of a controlling interest

YES

C-6.8 Dates

MIDWEST COMPASSION CENTER - 10/1/2015 AND MARYLEAF, LLC 1/1/2017

Business Plan(Business History and Experience)

Item 2 of 3

C-6.1 First Name

WILLIAM

C-6.2 Middle Name

No response provided by applicant

C-6.3 Last Name

HOLLANDER

C-6.4 Previous Role (e.g. Owner, Officer, Board Member, Person with Financial Interest, Person Exercising Substantial Control, Support Employee)

OWNER / OFFICER

C-6.5 Business Name

MIDWEST COMPASSION CENTER AND MARYLEAF, LLC

C-6.6 Business Address

1335 LAKESIDE DR. UNIT 4 ROMEOVILLE, IL 60446 AND 11530 MIDDLEBROOK RD.
GERMANTOWN, MD 20876

C-6.7 Position of management or ownership of a controlling interest

YES

C-6.8 Dates

MIDWEST COMPASSION CENTER 10/1/2015 AND MARYLEAF, LLC 1/1/2017

Business Plan(Business History and Experience)

Item 3 of 3

C-6.1 First Name

STEVEN

C-6.2 Middle Name

No response provided by applicant

C-6.3 Last Name

SANDLER

C-6.4 Previous Role (e.g. Owner, Officer, Board Member, Person with Financial Interest, Person Exercising Substantial Control, Support Employee)

OWNER / OFFICER

C-6.5 Business Name

MIDWEST COMPASSION CENTER AND MARYLEAF, LLC

C-6.6 Business Address

1335 LAKESIDE DR. UNIT 4 ROMEOVILLE, IL 60446 AND 11530 MIDDLEBROOK RD.
GERMANTOWN, MD 20876

C-6.7 Position of management or ownership of a controlling interest

YES

C-6.8 Dates

MIDWEST COMPASSION CENTER 10/1/2015 AND MARYLEAF, LLC 1/1/2017

Business Plan(Business History and Experience Narrative)

C-6.9 Provide a narrative description not to exceed 1500 words demonstrating any previous experience at operating other businesses or non-profit organizations and any demonstrated knowledge or expertise with regard to the medical use of marijuana to treat qualifying conditions (for all Prospective Associated Key Employees with an ownership interest of ten percent or more in the prospective dispensary). Include the number of years of experience, the type of business, and any administrative discipline history associated with each business.

TRADE SECRET

With a successful history in healthcare, pharmacy management, finance and commercial real estate, Company's Officers have expanded their business to include MMJ dispensary, processing, packaging and cultivation operations in four of the most highly regulated national markets. Company currently manages medical marijuana dispensaries including Midwest Compassion Center in Illinois, Maryleaf / Bloom Medicinals in Maryland (opening Fall 2017), and Dank Dispensary in Colorado. Additionally, Company's executives have decades of healthcare experience operating independent diagnostic testing facilities, pharmacies (Central AR Veterans Healthcare System), healthcare clinics, marijuana cultivation centers, and marijuana extraction labs. With successful compliance program implementation at both the state and federal levels, including the Ohio State Board of Pharmacy, Centers for Medicare and Medicaid Services, Illinois Department of Financial and Professional Regulations, Maryland Medical Cannabis Commission, California State Board of Equalization, and Colorado's Department of Revenue/ Marijuana Enforcement Division, Company has a demonstrable history of operating under regulatory agency oversight with zero administrative disciplinary history.

Moreover, PAKes healthcare testing companies have diagnosed tens of thousands of patients with many of the medical conditions that qualify for MMJ in the State of Ohio. As of employers of choice providing hundreds of jobs, Company's officers leverage an exceptional level of business acumen, contributing to both its operations and the economic growth of the communities within which they serve. Their demonstrated experience, knowledge, skills, leadership, and vision bolster the operational success of a MMJ dispensary in OH.

PAKes' companies supply topicals, oils, edibles, plant material, capsules, and extracts to meet patients' therapeutic needs. Patient treatment plans focus on symptom management, strain specific product information, usage guidelines, potential side effects, contraindications, methods of administration, and product storage. Product offerings include indica, sativa, and hybrid strains with varying ratios of pharmacologically active cannabinoids.

Nicole van Rensburg, Chief Executive Officer (CEO) is a partner and co-founder of several MMJ dispensaries in the Midwest and Mid-Atlantic. With 15 years' experience in the healthcare field, CEO brings her expertise in physician education, public outreach, and patient interactions to her cannabis businesses. Prior to working in the MMJ industry, CEO operated several family medical businesses that provide mobile neurological, ultrasound, allergy, and asthma testing on a national basis. CEO is a leader in destigmatizing public perception around MMJ and frequently speaks at industry conferences on behalf of The Marijuana Policy Project, The National Conference of State Legislatures, MJ Daily "Marijuana Business Conference and Expo", and Legal Learning Series. As an authority on MMJ, her subject matter expertise has been featured in Chicago Tribune, Crain's Chicago Business, New Cannabis Ventures, Canna Law Blog, Cannabis Culture, and Small Business Trends. CEO holds a BBA from Emory University where she graduated with honors and completed her MBA at Northwestern University as a scholarship recipient.

William Hollander, Chief Operating Officer (COO) is a partner and co-founder of several MMJ dispensaries in the Midwest and Mid-Atlantic. COO and CEO are brother and sister. While leading a multidisciplinary team of physicians, sonographers, nurses, billers, collectors, patient schedulers and medical administrative personnel for his family's healthcare business, COO implemented complex systems and developed comprehensive "scope of work" documentation to assist staff with their everyday tasks. Additionally, as lead operations manager of several MMJ dispensaries, COO has proficiencies in cannabis supply chain management, patient flow, inventory planning and control, technology (state traceability systems and POS software), quality assurance programs, enterprise resource planning, and operational process improvements. COO holds an inactive general contractor's license and has used this knowledge to select and manage relationships with vendors for the dispensary's construction buildout. COO holds a BBA from Florida Atlantic University.

Steven Sandler, Chief Financial Officer ("CFO") is an esteemed residential real estate developer, financier, and founding partner of MMJ dispensary businesses. CFO served as a leading officer at LM Sandler & Sons, a large-scale seller of seafood, frozen baked goods and frozen food items founded in 1949. The company partnered with Sara Lee Corp in 1989. In 1995, LM Sandler & Sons / Consolidated Foodservice Companies made Forbes magazine's list as the 354th-largest privately held company in the country, grossing \$470 million in annual sales and employing 400+ people. With more than 40 years in the real estate industry, CFO is looked upon as an expert in property management, planning and review, government permitting, site selection, project feasibility, and municipal real estate regulation review. CFO is also the proprietor of a retail and automotive financing firm, currently servicing 1000+ licensed car dealers. CFO leads all financial planning in his MMJ businesses, establishing and monitoring specific and measurable financial strategic goals on a coordinated, integrated basis.

Greg Gamet, Chief Procurement Officer ("CPO") is co-founder of JGB Ventures, LLC, which owns multiple, large-scale medical cannabis dispensaries, cultivation centers, and packaging plants in Colorado and California. Facility operations exceed, a combined, 45,000 square feet. CPO has 8+ years' experience in the cannabis industry with executive level board positions at privately held and publicly traded companies. CPO currently manages all aspects of MMJ cultivation, including cloning, transplanting, fertilization, defoliation, super cropping, topping, flushing, vegetation, harvesting, foliar and preventative sprays, trimming, curing/ drying, packaging, waste disposal, and inventory management. He has full knowledge of nutrient regimens, grow mediums, container systems, lighting requirements, temperature control, air flow, preventative maintenance, yield optimization, and contaminants, as well as plant treatment options. His MMJ packaging manufacturing plant, Kush Bottles Colorado, is regarded as the premier supplier of customizable, child-resistant, and sustainable packaging solutions and accessories, with products distributed throughout North America. CPO's has deep roots in cannabis compliance as he hosted the Colorado Marijuana Enforcement Division, training State officers on Franwell's METRC inventory tracking system. As a serial cannabis entrepreneur, CPO launched a compliance rating software system and consulting company. In 2016, CPO was named by CannaNews as Entrepreneur of the Year and Cannabis Business Executive Top 200 Producer, Processor, and Retailer.

My Nguyen, Dispensary Clinical Director ("DCD") is an Ohio Registered Pharmacist, also licensed in Massachusetts and Arizona. He holds Bachelor of Science, Master of Business Administration, Master of Public Administration, and Doctor of Pharmacy degrees. For the last 9 years, DCD has served as a clinical pharmacist in for-profit and non-profit organizations, including Pharmacy Flight Commander for the US Air Force and lead Department of Defense and Veterans Affairs pharmacy manager. DCD has superior pharmacy management adeptness in (I) HIPAA privacy and secure medical records management; (II) Pharmacode packing control systems; (III) patient counseling on dosing, drug to drug interaction, and contraindications; (IV) safe and effective dispensing of controlled substances; (V)

training of managerial and administrative pharmacy staff; (VI) facility accreditation, audit, and inspection preparedness; (VII) substance abuse educational programs; (VIII) clinician interactions; and (IX) pharmacy management software. DCD's proficient technical skills, passion for the healing arts, knowledge of healthcare innovation, experience in retail and restricted access retail venues, incident management training, and deep interest in the medicinal properties of MMJ further strengthen operational best practices.

David Yin, MD, Medical Director ("MD") is an Ohio-licensed emergency and critical care physician and Assistant Professor of Medicine at Case Western University. MD received his medical doctorate degree from the Virginia Commonwealth University School of Medicine and has studied and practiced medicine for the last 11 years. As a lecturer to internal medicine residents and physician assistants at Cleveland Veterans Hospital, Ashtabula Medical Center, and Richmond Heights Hospital, MD educates on "bedside teaching", advising clinicians on procedures for a thorough and correct history and physical exam as a holistic approach towards the diagnostic and patient-care process. MD's academic research has been well published through the American College of Emergency Physicians, National Emergency Airway Registry, and Tintinalli's Emergency Medicine: A Comprehensive Study Guide. MD has also created curricula for medical schools and conducted research to reduce the use of narcotics.

Stephen A. Hedge, Substance Abuse Director ("SAD") is a renowned, licensed independent social worker with 40 years of experience in substance abuse program development and implementation. He holds a BA in Psychology, a MS in Social Work, and a MA in Public Administration. Since 1996, SAD has served as Executive Director of the Delaware-Morrow Mental Health & Recovery Services Board, a two-county authority for the planning, funding, coordination, monitoring and evaluation of publicly funded mental health and substance abuse prevention and treatment services. As Executive Director, SAD manages all planning, funding, coordination, monitoring and evaluation of publicly funded mental health and substance abuse treatment centers. Previously SAD spent 8 years as the Executive Director/CEO of Ohio Association of Alcohol, Drug Addiction, and Mental Health Services. Under his leadership, Association established public mental health system reform and expanded the substance abuse support system statewide. SAD has experience with Medicaid managed care organizations, consumer and family member advocacy groups, community alcohol half-way house treatment programs, and training protocols for fellow addiction treatment providers. SAD co-chairs a county opiate task force and serves in committee or advisory positions at four civic organizations. As a respected thought leader, SAD has authored federal and state substance abuse block grant proposals.

Operations Plan(Dispensary Oversight)

D-1.1 By selecting "Yes", the Applicant attests that it will appoint a designated representative responsible for the oversight, supervision and control of operations of the medical marijuana dispensary. When there is a change in the appointed designated representative, the Applicant will notify the State Board of Pharmacy within 10 business days of appointment. [OAC 3796:6-3-05](#)

YES

Operations Plan(Security and Surveillance)

D-2.1 By checking “Yes,” the Applicant attests that it is able to continuously maintain effective security, surveillance and accounting control measures to prevent diversion, abuse and other illegal conduct regarding medical marijuana and medical marijuana products.

YES

D-2.2 Please provide a summary of the Applicant's proposed security and surveillance equipment and measures that will be in place at the proposed facility and site. These measures should cover, but are not limited to, the following:

1. General overview of the equipment, measures and procedures to be used
2. Alarm systems
3. Surveillance system
4. Surveillance storage
5. Recording capability
6. Records retention
7. Premises accessibility
8. Inspection/servicing/alteration protocols

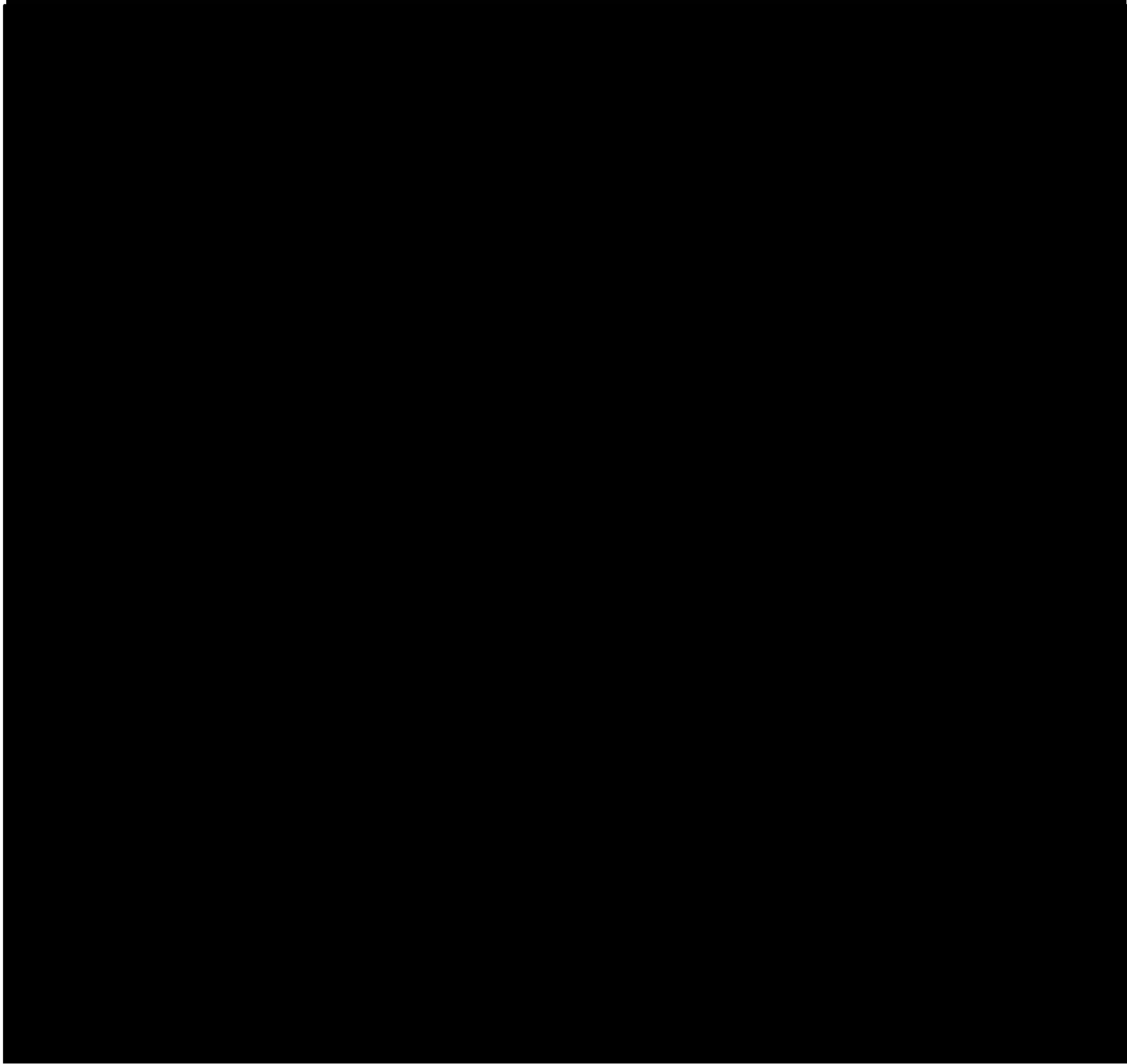
Please reference [OAC 3796:6-3-16](#) for more information.

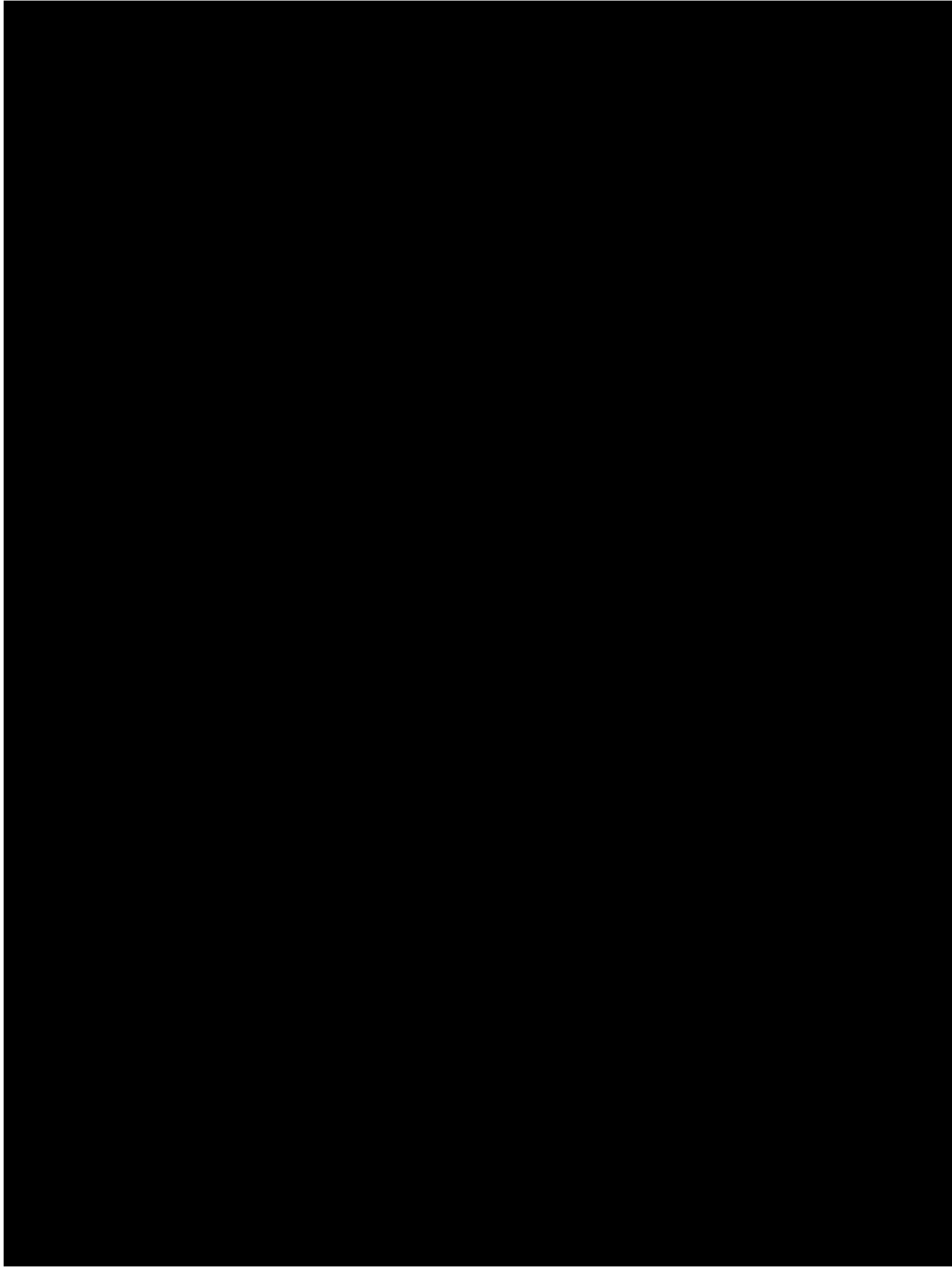
This response has been entirely redacted

D-2.2.1 Applicants may include images or diagrams, in PDF format, demonstrating the measures described in D-2.2. The images or diagrams may contain a brief descriptive caption. Additional language responding to the question will not be considered.

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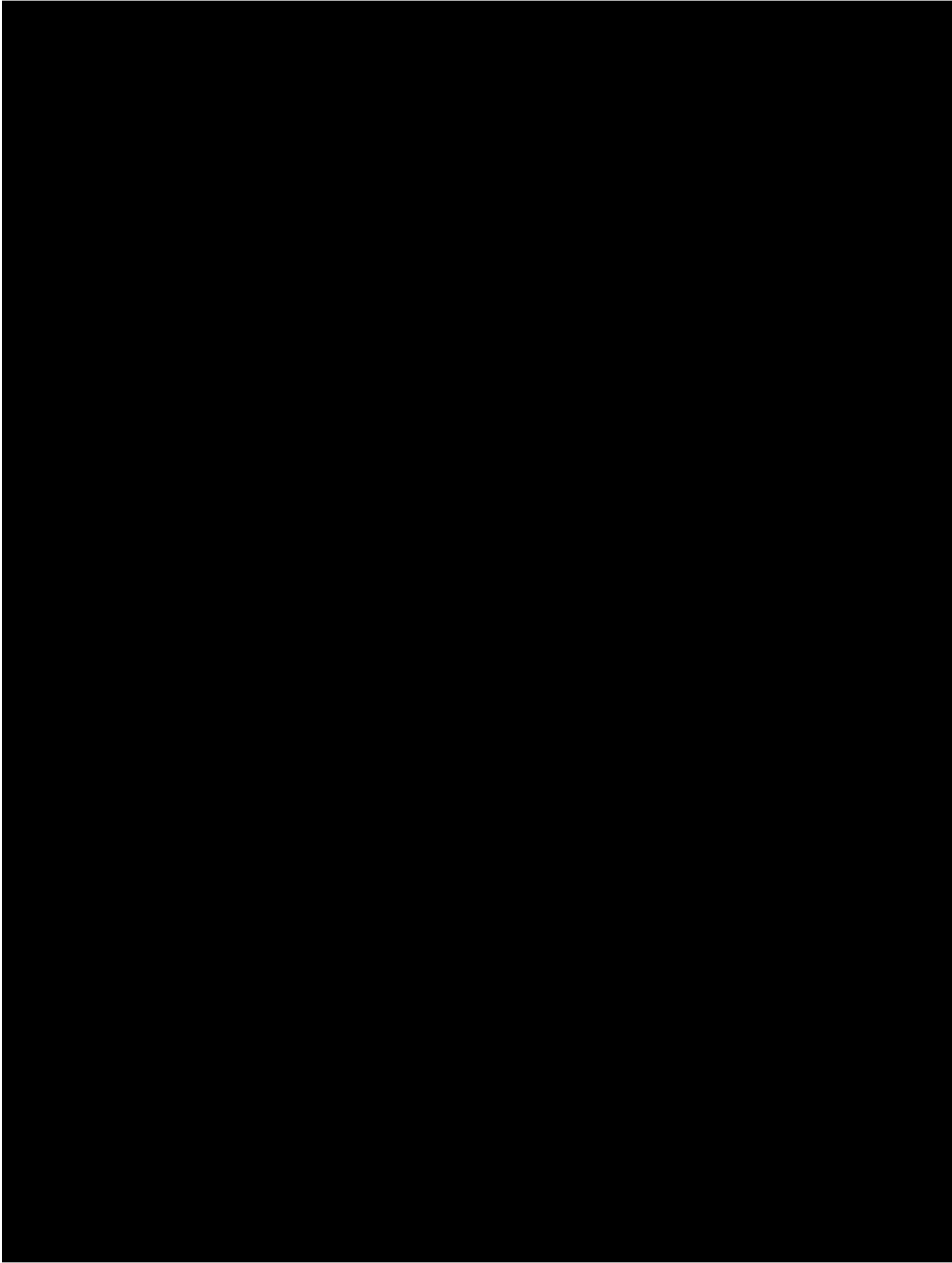
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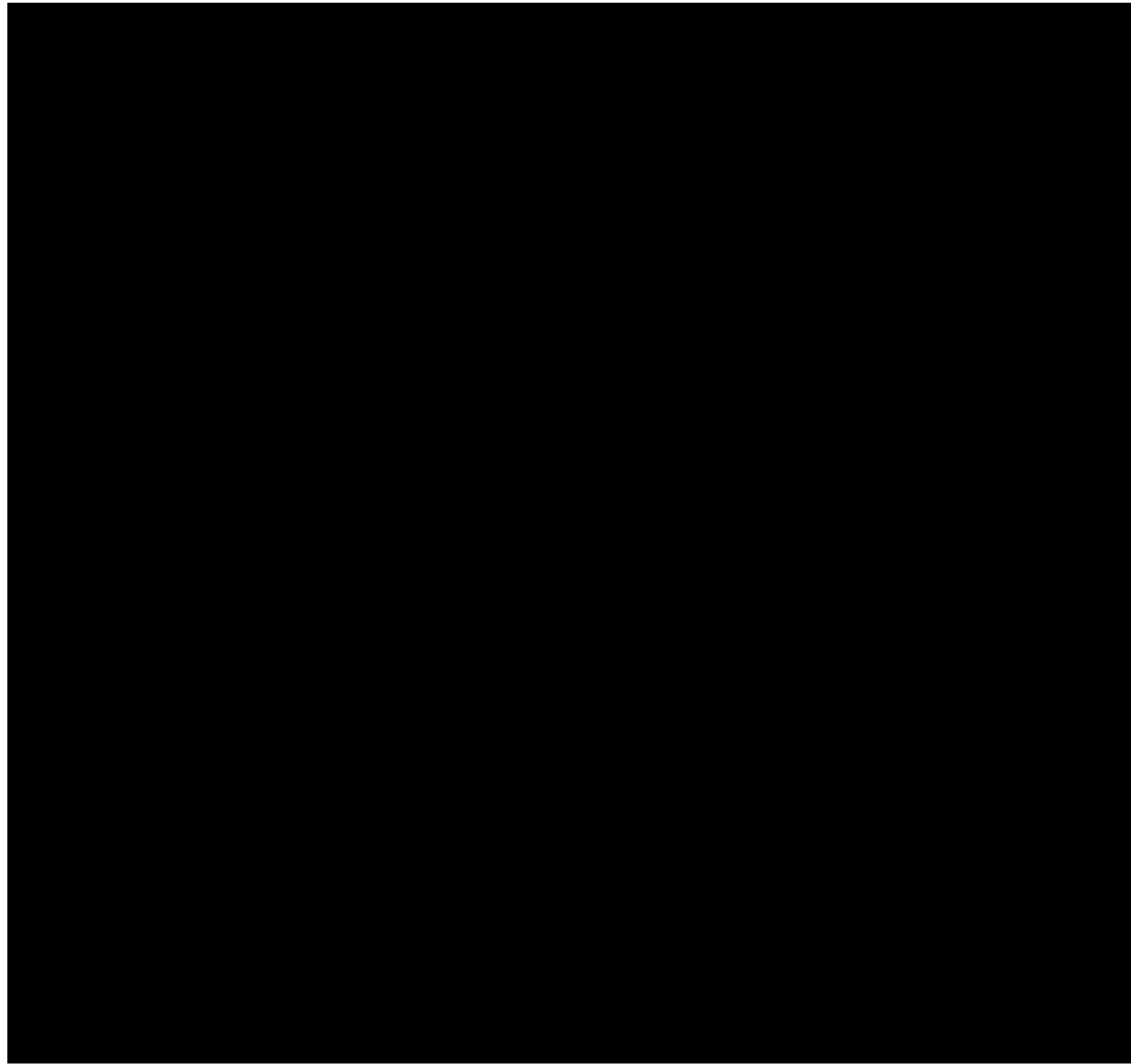
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D-2.3 By selecting “**Yes**”, the Applicant attests that the answer provided in response to Question D-2.2 is voluntarily submitted to the State Board of Pharmacy in expectation of protection from disclosure as provided by [section 149.433 of the Revised Code](#).

YES

Operations Plan(Receiving of Product)

D-3.1 By selecting "**Yes**", the Applicant attests that it is able to safely and securely receive medical marijuana and medical marijuana products.

YES

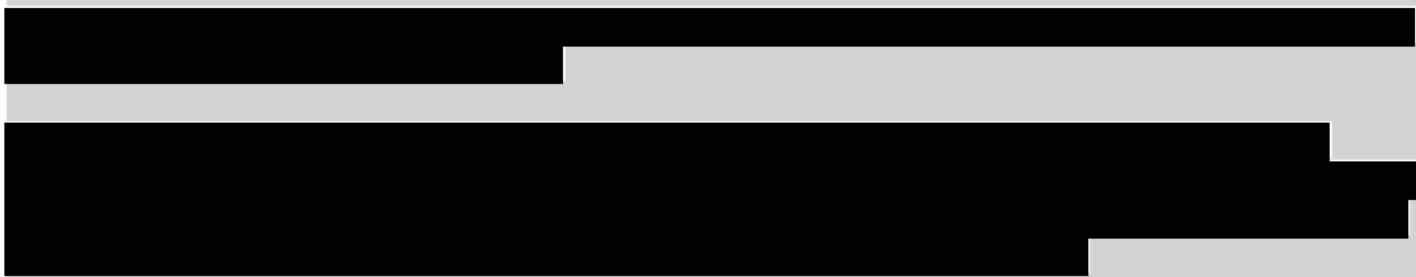
D-3.2 By selecting "**Yes**", the Applicant attests that it will implement standard operating procedures to inspect, prior to accepting any medical marijuana. Defective products must be rejected. Defective products include, but are not limited to the following: expired, damaged, deteriorated, misbranded or adulterated medical marijuana. [OAC 3796:6-3-06](#); [OAC 3796:8](#)

YES

D-3.3 Please describe the Applicant's processes, procedures, and controls regarding the inspection of medical marijuana from cultivators and processors prior to accepting any delivery at the proposed dispensary. Include a description of the proposed space for delivery and inspection. [OAC 3796:6-3-06](#)

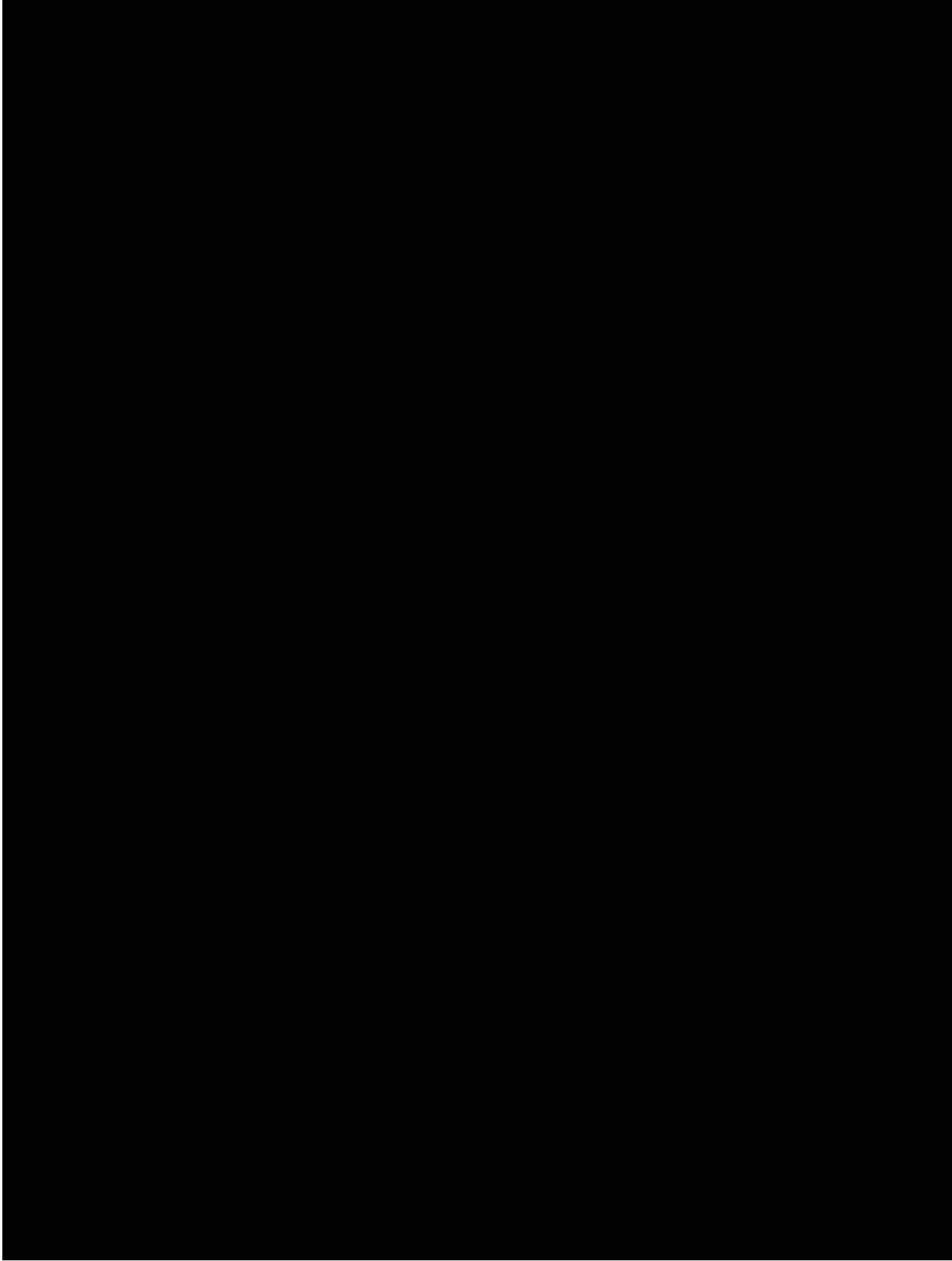
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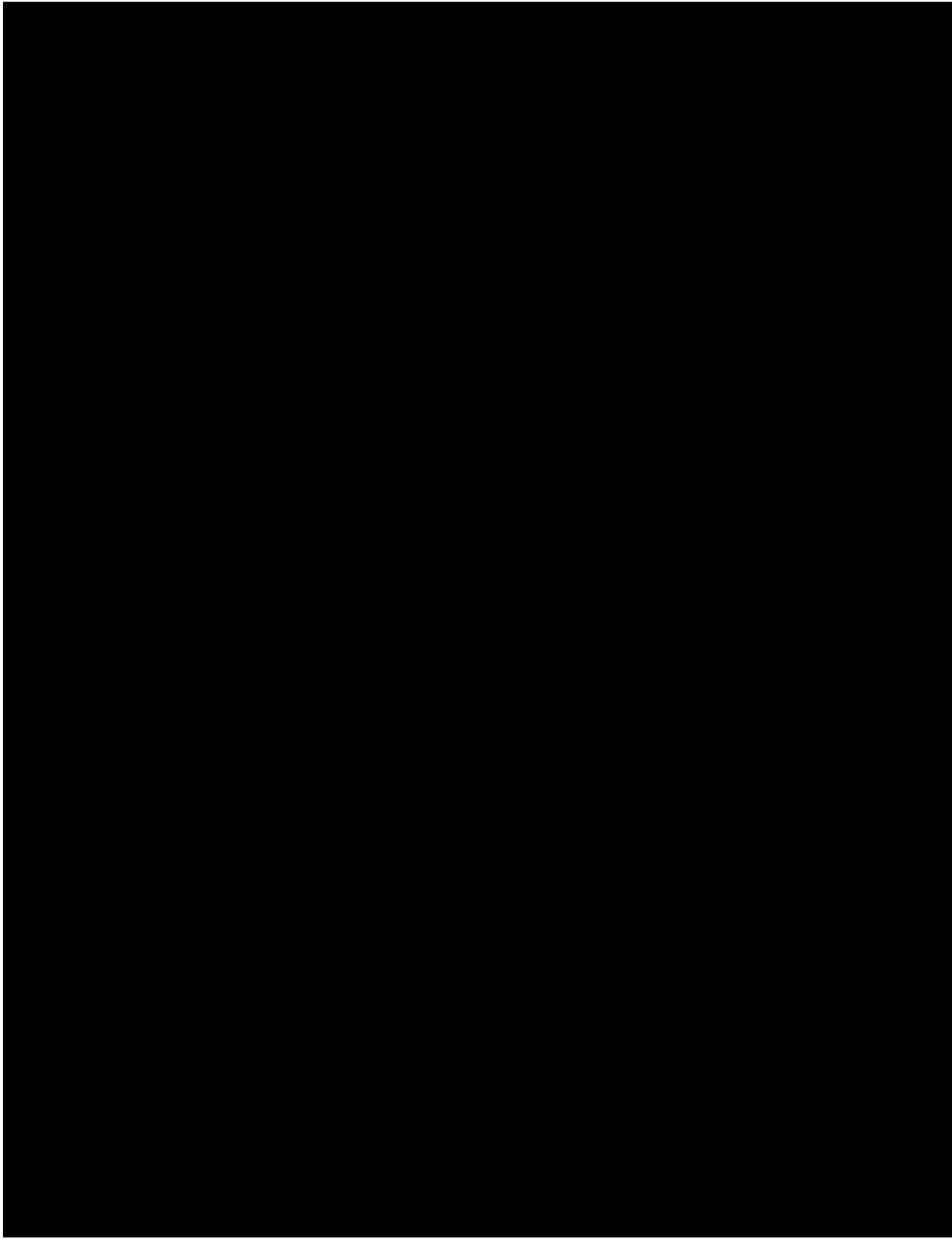




D-3.3.1 Applicants may include images or diagrams, in PDF format, demonstrating the measures described in D-3.3. The images or diagrams may contain a brief descriptive caption. Additional language responding to the question will not be considered.

Uploaded Document Name: **D-3.3.1_Product Receipt Forms.pdf**
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Operations Plan(Storage of Product)

D-4.1 There will be separate, locked, limited access areas for the storage of medical marijuana that is expired, damaged, deteriorated, mislabeled, contaminated, recalled, or whose containers or packaging have been opened or breached, until the medical marijuana is returned to a cultivator, or processor, destroyed or otherwise disposed.

YES

D-4.2 All storage areas will be maintained in a clean and orderly condition and free from infestation by insects, rodents, birds, and pests.

YES

D-4.3 A separate and secure area for temporary storage of medical marijuana that is awaiting disposal will be established.

YES

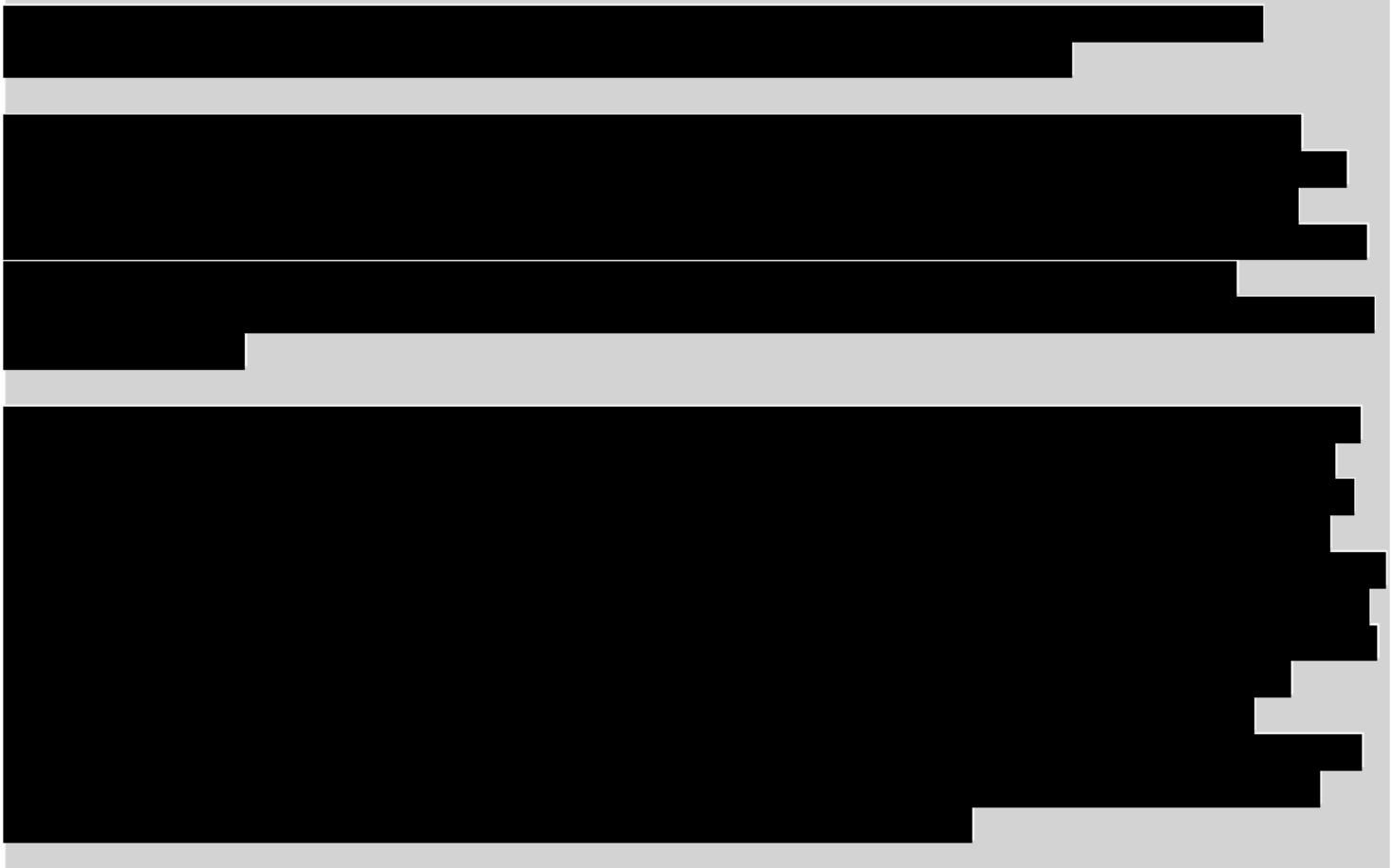
D-4.4 Please describe the Applicant's plans regarding the storage of medical marijuana within the proposed dispensary. The plan should include, but is not limited to, descriptions of the following:

1. Oversight of medical marijuana storage
2. Physical security measures
3. Record maintenance
4. Persons who will have access to medical marijuana
5. Climate control and lighting maintenance, including any necessary equipment
6. Sanitation of storage areas

Please reference [OAC 3796:6-3-07](#) for more information.

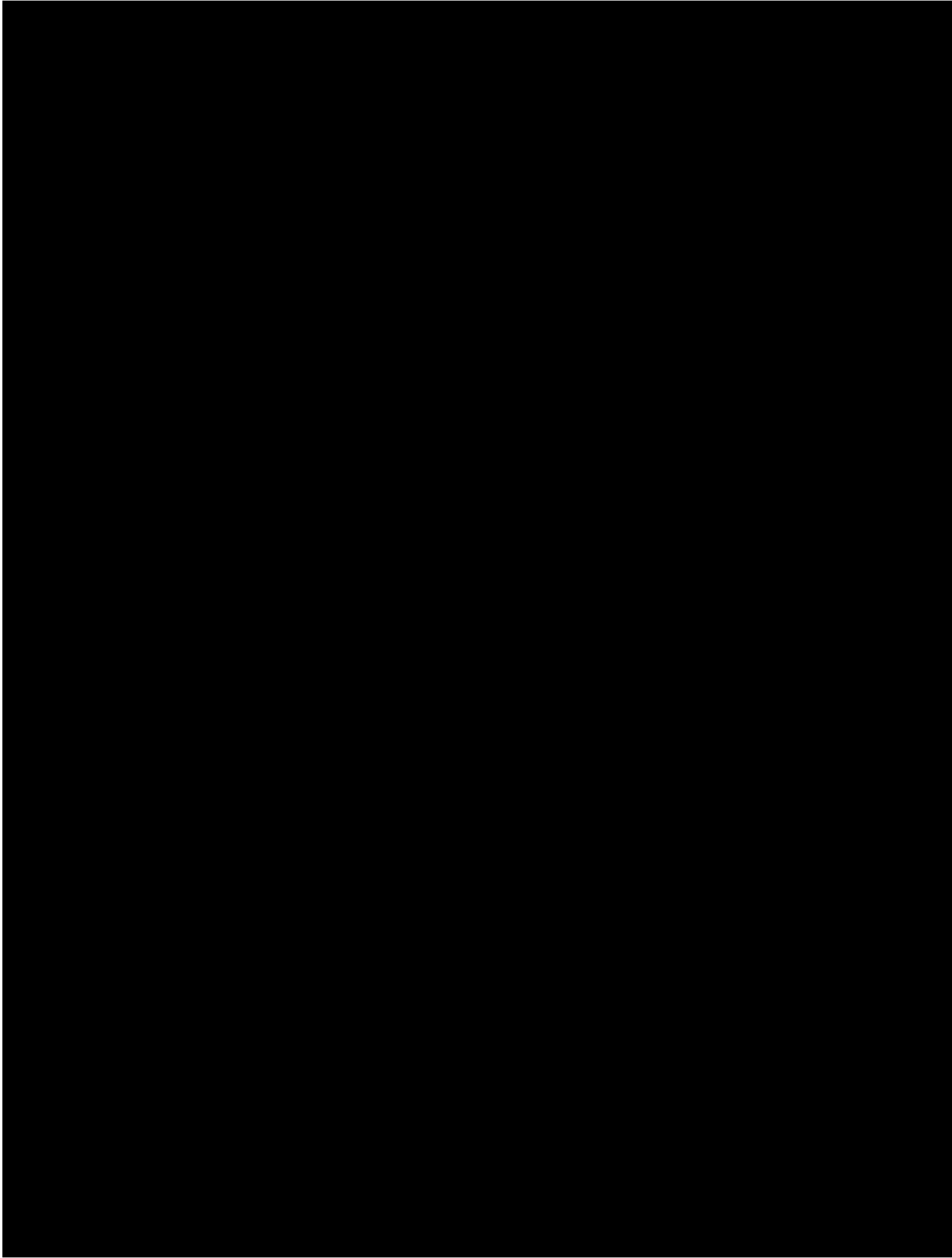
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D-4.4.1 Applicants may include images or diagrams, in PDF format, demonstrating the measures described in D-4.4. The images or diagrams may contain a brief descriptive caption. Additional language responding to the question will not be considered.

Uploaded Document Name: **D-4.4.1_Equipment Cleaning Log.pdf**
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Operations Plan(Dispensing of Product)

D-5.1 By selecting "**Yes**", the Applicant attests that it is prepared and willing to join the American Society for Automation in Pharmacy (ASAP) annually in order to facilitate near-real-time reporting to the Ohio Automated Rx Reporting System (OARRS). [American Society for Automation in Pharmacy](#); [OAC 3796:6-3-08](#); [OAC 3796:6-3-10](#)

YES

D-5.2 By selecting "Yes", the Applicant attests that it will use the patient registry to verify the registration of a patient or caregiver. [OAC 3796:6-3-08](#)

YES

D-5.3 Please indicate the expected number of Patient Registry scanners needed for the Applicant's facility (Information Only).

7

D-5.4 By selecting "Yes", the Applicant attests that it will have at least two employees physically present at the dispensary location, one of whom is a dispensary key employee, when the dispensary is open for the sale of medical marijuana. [OAC 3796:6-3-03](#)

YES

D-5.5 Please describe the Applicant's processes, procedures, and controls regarding the dispensing of medical marijuana, updating the patient record, and product labeling. Describe how these will be supported by the Applicant's internal inventory system including integration with the state inventory tracking system and for reporting to OARRS using the current ASAP format. Please attach a sample product label, with any identifiable information redacted or anonymized. [OAC 3796:6-3-08](#); [OAC 3796:6-3-09](#); [OAC 3796:6-3-10](#)

(b) (7)(C), (b) (7)(D)

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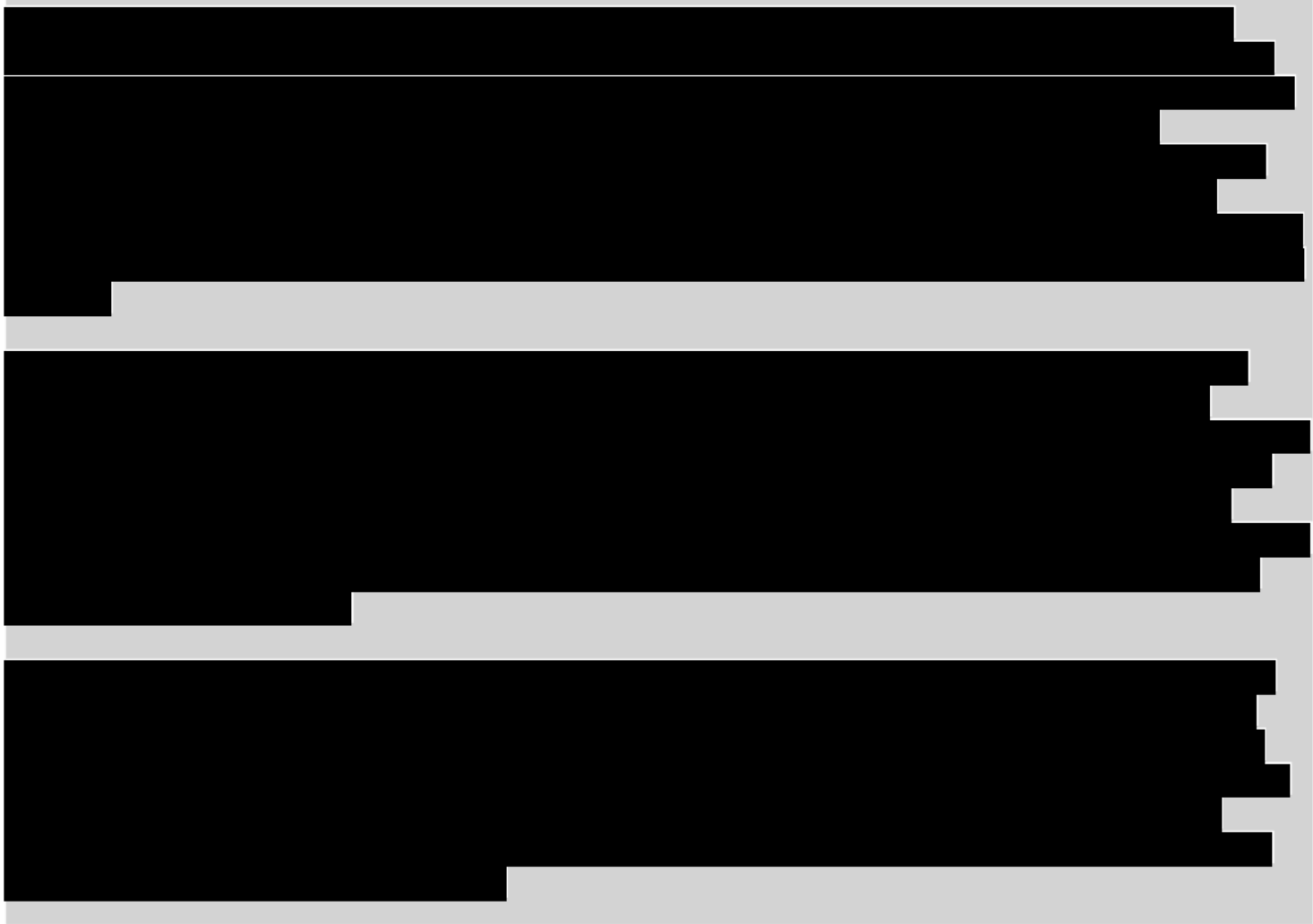
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D-5.5.1 Applicants may include images or diagrams, in PDF format, demonstrating the measures described in D-5.5. The images or diagrams may contain a brief descriptive caption. Additional language responding to the question will not be considered.

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Non Plant Material Label

DISPENSARY NAME	CULTIVATOR OR PROCESSOR NAME AND LIC #
DISPENSARY ADDRESS	Tested by Choice Laboratory
(XXX) XXX-XXX OH DISP	Test Date
LIC #555555	

Product Identifier:	
Date Dispensed:	
Patient Name:	
Patient Registry #:	
Quantity:	
Serving Size:	
Harvest Date:	
Date Manufactured:	
Ingredients and Food Allergens:	
Batch/Lot#:	
THC%:	
CBD%:	
Terpenoids:	
Type of Extraction Process, Solvent, and/ or Gas Added:	

WARNINGS

For use only by the person named on the label of the dispensed product. Keep out of reach of children.

This product may cause impairment and may be habit-forming. Smoking medical marijuana is not permitted in the State of Ohio.

This product may be unlawful outside of the State of Ohio.

There may be health risks associated with consumption of this product.

Should not be used by women who are pregnant or breastfeeding.

Caution: When eaten or swallowed, the effects and impairment caused by this drug may be delayed.

Marijuana can impair concentration, coordination and judgment. Do not operate a vehicle or machinery under the influence of this drug.

For any medical marijuana-related inquiry or reports of adverse reactions, contact the Ohio Board of Pharmacy at (800) TOLL-FREE NUMBER

Plant Material Label

DISPENSARY NAME	CULTIVATOR OR PROCESSOR NAME AND LIC #
DISPENSARY ADDRESS	Tested by Choice Laboratory
(XXX) XXX-XXX OH	Test Date
DISP LIC #5555555	

Product Identifier:	
Date Dispensed:	
Patient Name:	
Patient Registry #:	
Quantity:	
Serving Size:	
Harvest Date:	
Batch/Lot#:	
THC%:	
CBD%:	
Terpenoids:	

WARNINGS

For use only by the person named on the label of the dispensed product. Keep out of reach of children.

This product may cause impairment and may be habit-forming. Smoking medical marijuana is not permitted in the State of Ohio.

This product may be unlawful outside of the State of Ohio.

There may be health risks associated with consumption of this product.

Should not be used by women who are pregnant or breastfeeding.

Marijuana can impair concentration, coordination and judgment. Do not operate a vehicle or machinery under the influence of this drug.

For any medical marijuana-related inquiry or reports of adverse reactions, contact the Ohio Board of Pharmacy at (800) TOLL-FREE NUMBER

Operations Plan(Inventory Management of Product)

D-6.1 By selecting "**Yes**" the Applicant attests that it will establish inventory controls and procedures for the conducting of weekly inventory reviews and annual comprehensive inventories of medical marijuana at the facility. [OAC 3796:6-3-20](#)

YES

D-6.2 By selecting "**Yes**" the Applicant attests that its written or electronic weekly and annual inventory records described in D-6.1 will include:

1. The date of the inventory
2. A summary of the inventory findings
3. The employee identification numbers, and titles or positions, of the individuals who conducted the inventory

Please reference [OAC 3796:6-3-20](#) for more information.

YES

D-6.3 By selecting "**Yes**", the Applicant attests that it will use the state inventory tracking system. [ORC 3796.07](#); [OAC 3796:1-1-01](#); [OAC 3796:6-3-06](#)

YES

D-6.4 By selecting "**Yes**" the Applicant attests that it will maintain records of medical marijuana received from a cultivator or processor in its internal inventory control system. [OAC 3796:6-3-20](#)

YES

D-6.5 By selecting "**Yes**" the Applicant attests that it will maintain records of medical marijuana dispensed to a patient or a caregiver in its internal inventory control system. [OAC 3796:6-3-08](#)

YES

D-6.6 By selecting "**Yes**" the Applicant attests that it will maintain records of expired, damaged, deteriorated, misbranded, or adulterated medical marijuana awaiting return to a cultivator / processor or awaiting disposal, in its internal inventory control system. [OAC 3796:6-3-20](#)

YES

D-6.7 Please provide an explanation for selecting "**No**" in response to questions D-6.1 through D-6.6

No response provided by applicant

D-6.8 Please describe the Applicant's approach regarding the implementation of an inventory management process. This approach must also include a process that provides for the recall of medical marijuana and the management of medical marijuana product returns from the proposed dispensary to the originating cultivator and/or processor. [OAC 3796:6-3-20](#)

[REDACTED]

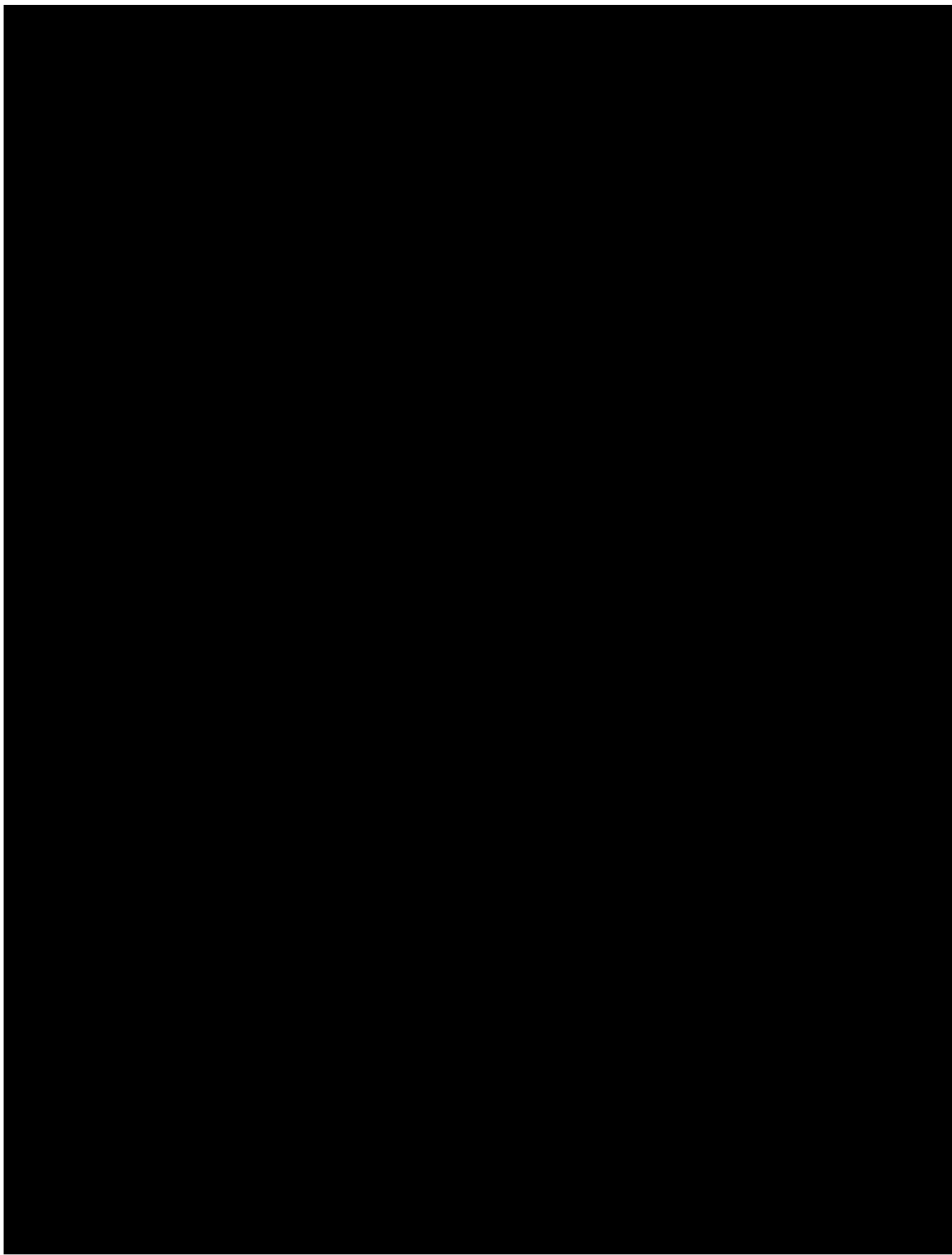
[REDACTED]

[REDACTED]

[illegible]



D-6.8.1 Applicants may include images or diagrams, in PDF format, demonstrating the measures described in D-6.8. The images or diagrams may contain a brief descriptive caption. Additional language responding to the question will not be considered.



D-6.9 Please describe the Applicant's processes, procedures and controls regarding a patient or caregiver's ability to return unused medical marijuana for the purpose of dispossession and destroying. Include, at a minimum, a description of

1. How patients and caregivers will be charged for such returns
2. How returns will be tracked
3. How any returned medical marijuana will be secured at the facility
4. The maximum amount of time that returned medical marijuana will be stored at the facility

[Redacted content]

[REDACTED]

[REDACTED]

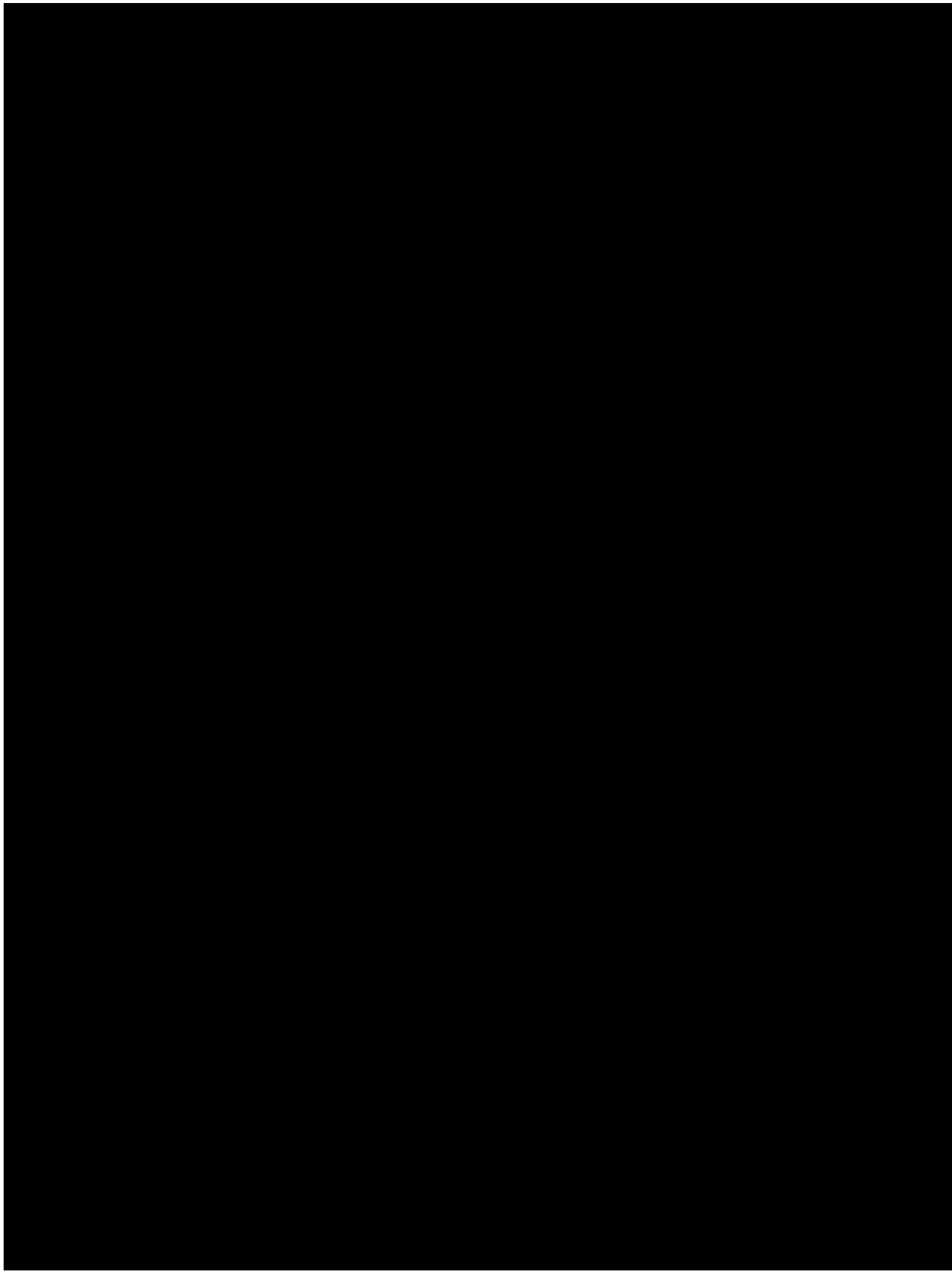
[REDACTED]

[REDACTED]-compostable mixed waste, which will be delivered to a landfill, incinerator or other facility.

D-6.9.1 Applicants may include images or diagrams, in PDF format, demonstrating the measures described in D-6.9. The images or diagrams may contain a brief descriptive caption. Additional language responding to the question will not be considered.

Uploaded Document Name: **D-6.9.1_Dispossession and Disposal Product Return Form.pdf**

NOTE: This applicant uploaded document is the next 1 page(s) of this document.



Operations Plan(Diversion Prevention of Product)

D-7.1 Please provide a summary of the procedures and controls that the Applicant will implement at the dispensary for the prevention of the unlawful diversion of medical marijuana, along with the process that will be followed when evidence of theft/diversion is identified. [OAC 3796:6-3-01](#); [OAC 3796:6-3-05](#); [OAC 3796:6-3-16](#)

[Redacted content]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

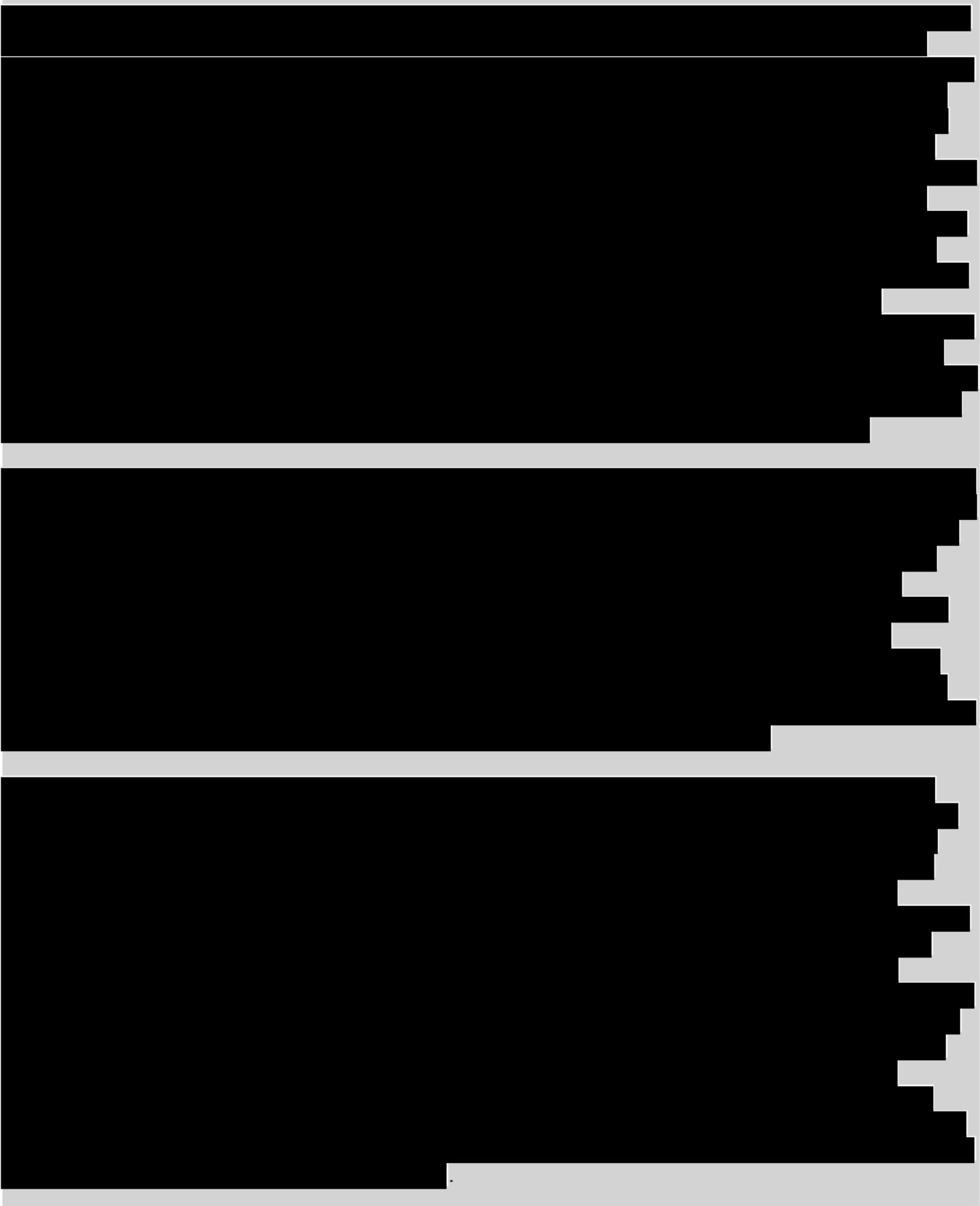
Operations Plan(Sanitation and Safety)

D-8.1 Please provide a summary of the intended sanitation and safety measures to be implemented at the dispensary. These measures should include, but are not limited to, plans, procedures, and controls to address the following:

1. Processes for contamination prevention
2. Pest protection procedures
3. Instruction to dispensary employees regarding the handling of medical marijuana
4. Hand-washing facilities

Please reference [OAC 3796:6-3-02](#) for more information.

[Redacted content]



Operations Plan(Record-Keeping)

D-9.1 By selecting “Yes,” the Applicant attests that it will notify State Board of Pharmacy at least 7 days prior to rendering medical marijuana unusable. All waste and unusable product will be weighed, recorded and entered into both its internal inventory system and in the state inventory tracking system. The destruction of medical marijuana will be witnessed by a key employee and conducted in a designated area with fully functioning video surveillance. [OAC 3796:6-3-14](#)

YES

D-9.2 Please provide a summary of the Applicant's record-keeping plan at the dispensary. This plan should cover, but is not limited to, a description for how the following records will be maintained:

1. Employee records, including a background check conducted by the proposed dispensary and training provided by the proposed dispensary
2. Operating procedures and controls
3. Audit records
4. Staffing plans; Business records
5. Surveillance records
6. Attendance logs
7. Quality assurance review logs

Please reference [OAC 3796:6-3-17](#) for more information.

[illegible]



[illegible]

Operations Plan(Other)

D-10.1 Please provide a summary of any other services or products to be offered by the Applicant at the dispensary. [OAC 3796:6-2-02](#)

[Redacted content]

Department. Digital monitors will be displayed throughout the dispensary and will showcase

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

D-10.1.1 Applicants may include images or diagrams, in PDF format, demonstrating the measures described in D-10.1. The images or diagrams may contain a brief descriptive caption. Additional language responding to the question will not be considered.

Uploaded Document Name: **D-10.1.1_Medical Marijuana Educational Presentation.pdf**

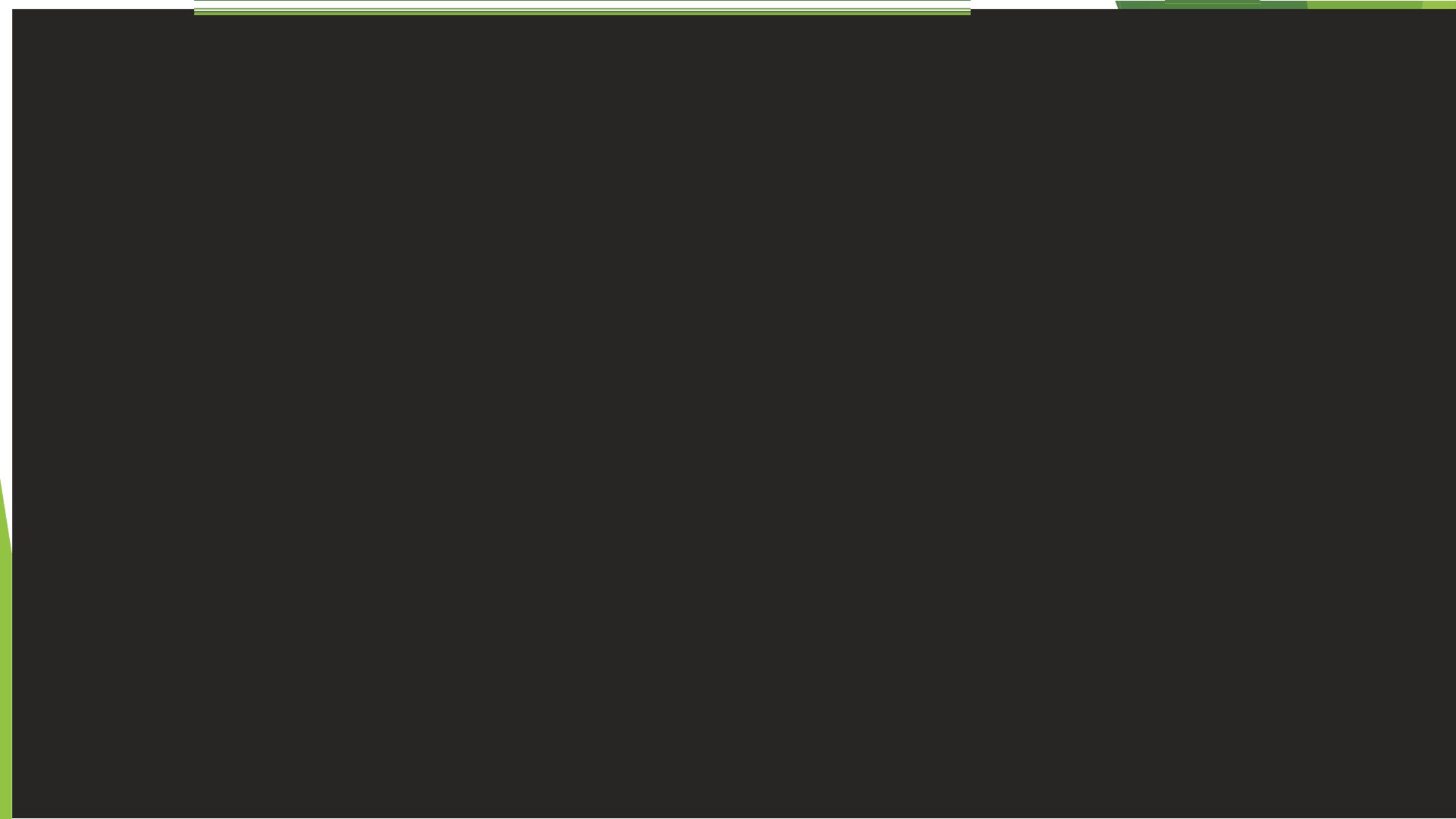
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[illegible]

D-10.3 Describe the Applicant's efforts to minimize the environmental impact of the proposed dispensary. [OAC 3796:6-2-02](#)

[illegible]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]



D-10.3.1 Applicants may include images or diagrams, in PDF format, demonstrating the measures described in D-10.3. The images or diagrams may contain a brief descriptive caption. Additional language responding to the question will not be considered.

Uploaded Document Name: **D-10.3.1_Environmental Sustainability.pdf**
NOTE: This applicant uploaded document is the next 58 page(s) of this document.

Baseline Sustainability Training for Ohio Businesses/Organizations*

- **Do you wonder if sustainability could impact your organization?**
- **Would you like to know how sustainability may impact Ohio businesses and other organizations?**
- **Curious about whether there are there economic advantages to be gained from learning about sustainability best practices?**



If you answered yes to any or all of these questions, this training may be of interest to you!

*The Office of Compliance Assistance and Pollution Prevention at the Ohio EPA does not endorse or support any vendors, organizations, authors or programs mentioned in this training presentation.

Sustainability involves the all members of our society. It encompasses the availability of resources and opportunities for current and future generations. Businesses which are actively involved in learning about sustainable best practices are positioning themselves for long term profitability and viability as an organization.

The Office of Compliance Assistance and Pollution Prevention at the Ohio EPA does not endorse or support any vendors, organizations, authors or programs mentioned in this training presentation.

What is Sustainability?

“Development that meets the needs of the present without compromising the ability of future generations to meet their own needs.”

Bruntland Report, 1987

Development does not mean going backward or lowering the quality or value of human existence. It may mean re-valuing social or ecological services which have intrinsically had ambiguous value compared to economic values such as GDP (gross domestic product) or per-capita income. The value of safe neighborhoods, quality educational opportunities, social justice, safe water, food and air are values that are often harder to qualify than economic output.

D-10.3_Baseline Sustainability Training OH

ENVR E-105 Strategies for Sustainability Management Dr. Robert Pojasek- Harvard University

"Sustainability is about behaving (and being able to behave) in a way that can be continued.

To operate sustainably, an organization must act in a way that is consistent with and supportive of the survival of the physical environment and also the communities and economies in which it operates. Organizations seeking to operate sustainably consider how their policies, strategies and operations affect each of the following:

- Their financial performance and the broader economic system
- The environment including the availability of resources and materials
- People in the local and global communities in which they operate."

<http://isites.harvard.edu/fs/docs/icb.topic513119.files/Five%20Basics%20Narrative.pdf>

This is a definition created by Dr. Bob Pojasek, an experienced P2 (pollution prevention) practitioner, from his course at Harvard University- **ENVR E-105 Strategies for Sustainability Management (21808)**

Spring term

[Robert B. Pojasek](#), PhD, Adjunct Lecturer on Environmental Science, Harvard School of Public Health.

Sustainability is explored at the nexus of a local business, the local government, and local citizens. A case method approach is used to help students develop the skills to develop a sustainability management system for a local business. Other cases are used to reinforce the concepts and sharpen skills. (4 credits)

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How can Sustainable Development be Achieved?

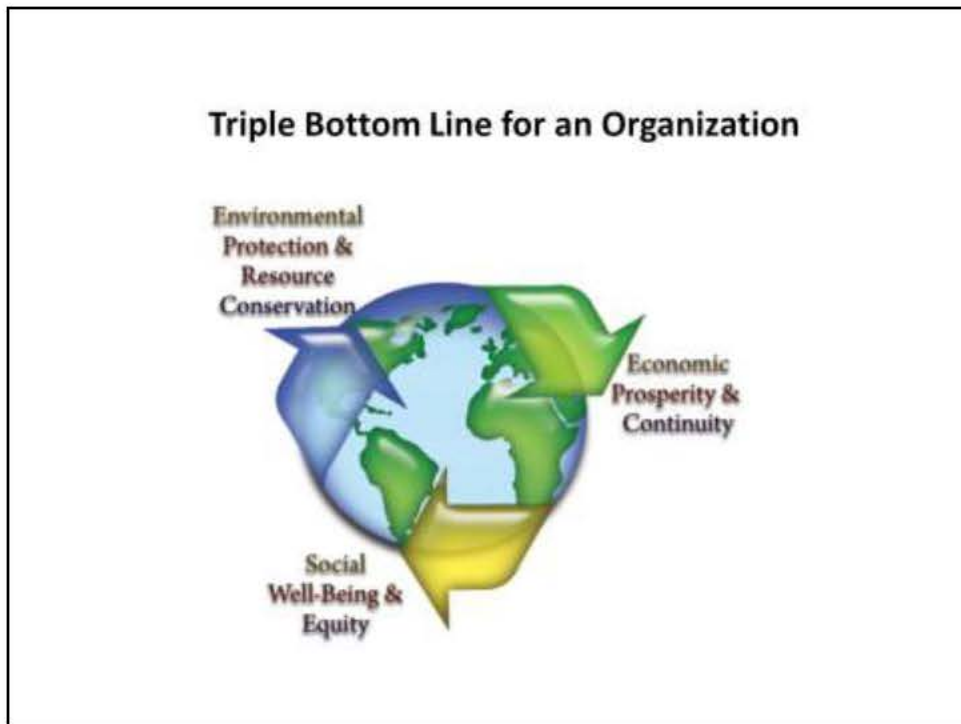
"We have the capacity to create a very different kind of economy, one that can restore ecosystems and protect the environment while bringing forth innovation, prosperity, meaningful work, and true security,"

"The drive to develop a restorative economy must come from businesses themselves, for no other institution in the modern world is powerful enough to foster the necessary changes." The key is to inspire a willing, un-coerced, and even joyous redesign of the way we conduct business. **What is needed are not new government bureaucracies or legislative mandates** but incentives that will redefine the basis on which **companies make decisions — from short-sighted commercial gain to long-view ecological and commercial sustainability.**

Ecology of Commerce - Paul Hawken

http://www.paulhawken.com/paulhawken_frameset.html

The major focus of sustainable development is a shift to a longer term view of profitability and stability of businesses. The availability of resources and healthy communities in which to conduct business are essential to every companies long term survival. Therefore, finding profitable ways in which to ensure the availability of these resources and being a good neighbor in the community are essential competencies for every business.



Triple bottom line accounting expands the traditional reporting framework to take into account environmental and social performance in addition to financial performance.

The concept of TBL demands that a company's responsibility be to 'stakeholders' rather than shareholders. In this case, 'stakeholders' refers to anyone who is influenced, either directly or indirectly, by the actions of the firm. According to the stakeholder theory, the business entity should be used as a vehicle for coordinating stakeholder interests, instead of maximizing shareholder (owner) profit.

Triple Bottom Line for an Organization



The triple bottom line can be stated a number of different ways that relay the connectivity between maintaining the viability of future generations.

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Compliance with environmental, labor and financial regulations are good starting points, but are only the beginning of operating in a sustainable manner.

D-10.3_Baseline Sustainability Training OH



Sustainability is also much more than “spin” on past operating practices that do not really reflect any changes in the organizations social responsibility or environmental legacy.

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Sustainability is about building core competencies in social, environmental and economic performance. Sustainability represents a greater level of management skill and strategic vision for an organization. Sustainability represents long term shareholder and stakeholder value to investors and the community where an organization operates

Progress Towards Sustainable Development

- **Green chemistry re-formulation and process re-design**
- **Closed loop nutrient/input-output design and systems engineering**
- **Green building and energy efficiency integration into building and manufacturing best practices**
- **Ultra efficient manufacturing practices**

Few if any existing systems can claim to be truly sustainable yet. Therefore we will address the progress that various organizations have made and are making to become significantly more sustainable. The elements mentioned above are not exclusive of each other but may be utilized together or alone to address more sustainable practices that the current state of a product, process, service, building system, energy system, transportation system or input/raw material.

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**iSUSTAIN™**
Green Chemistry Index

Getting Started | Scenarios | Data Input | My Profile | Log Out

Welcome to the iSUSTAIN™ Green Chemistry Index v2.0

Foreword by Dr. John Warner, Director, Warner-Babcock Institute of Green Chemistry

"Sustainability efforts in institutions across the world have become mainstream and ubiquitous. Although much attention and resources are being spent on such activities, there does not exist a universal understanding of how sustainability can be truly measured and tracked to determine the actual success of any 'sustainability endeavor'. The iSUSTAIN™ Index provides the user with a CREDIBLE and QUANTIFIABLE assessment of the relative sustainability of a material process. This tool is useful to retrospectively analyze an existing process or help design a new process with a focus on sustainability.

The iSUSTAIN™ Index provides the user with a respected way to articulate the environmental performance aspects of a process up and down the customer supply chain. From a technical perspective it can be an invaluable design tool. From a marketing perspective it can help communicate the true value of a process to internal and external clients. From any perspective the iSUSTAIN™ Green Chemistry Index provides an objective assessment to effectively plan efforts across an organization while not inhibiting the existing structure."

The iSUSTAIN™ Green Chemistry Index is a tool which provides a methodology to generate a sustainability-based score for chemical products and processes. It contains a set of sustainability metrics based on the **Twelve Principles of Green Chemistry*** and takes into account such factors as waste generation, energy usage, health and environmental impact of raw materials and products, safety of processing steps, and others.

Sign In to iSUSTAIN™

Welcome, Ron Smith!

Material Data

5456 Materials
Last updated on 5/24/2010

Based on the Book




GREEN CHEMISTRY
THEORY AND PRACTICE
Paul T. Anastas and John C. Warner

Green Chemistry: Theory and Practice
by Paul T. Anastas and John C. Warner

Green Chemistry is a definitive method to actively design sustainable products and processes. Unlike theoretical programs, green chemistry actually measures the impacts which products and processes have on people, planet and Profit. Green Chemistry is defined as the design of chemical products and processes that reduce and/or eliminate the use and/or the generation of hazardous substances.* This approach requires an open and interdisciplinary view of material and product design, applying the principle that it is better to consider waste prevention options during the design and development phase, rather than disposing or treating waste after a process or material has been developed. Through a principle-based approach, green chemistry results in increased efficiency, reduced hazards and the elimination of waste.

Green Chemistry in practice implies designing safer, economical, and efficacious processes and products. All of these aspects are symptoms of good product design and good manufacturing processes and can result in economic benefit for institutions that implement these practices. Green Chemistry offers a concrete path to achieve sustainable and safe laboratory practices. The 12 Principles of Green Chemistry establish a framework for practicing chemists to follow along this path.

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iSUSTAIN™
Green Chemistry Index

[Getting Started](#) | [Scenarios](#) | [Data Input](#) | [My Profile](#) | [Log Out](#)

12 Principles of Green Chemistry

1. Waste Prevention: 80
2. Atom Economy: 70
3. Safe Raw Materials: 85
4. Safe Product: 100
5. Safe Solvents: 75
6. Energy Efficiency: 75
7. Renewables: 45
8. Process Complexity: 60
9. Catalysis: 95
10. Biodegradability: 50
11. Process Control: 75
12. Safe Process: 65

(Scores rounded to nearest 5)



Data Input

Materials and process data may all be entered here for convenience, or in the separate Metrics pages.
Instructions

Bill of Materials In:

Bill of Materials In	Type of Material	Wt./Batch	Est. % Recycle	% Remove	Catalyst Mole %	Change Wt./Wt.	Safety	Health	Envir. Impact	Regul. Status	Prod. Temp.	% of Total
Lactic acid (2-hydroxy propionic acid)	Raw	312	20	100	0	0.471	100	35	100	100	85	32
Isopropanol	Raw	450	80	0	0	0.250	20	50	100	100	75	17
Sulfuric Acid	Auxiliary	9.2	0	0	5	0.026	100	35	100	100	75	2
Benzene	Solvent	874	98	0	0	0.049	35	0	100	0	0	3
Sodium carbonate (soda ash)	Auxiliary	10.5	0	0	0	0.029	100	80	100	100	95	2
Isopropanol	Diluent	180	0	0	0	0.000	35	90	100	100	75	34
Isopropanol	Solvent	30	0	0	0	0.125	35	30	100	100	75	9

[Add New](#)

Bill of Materials Out:

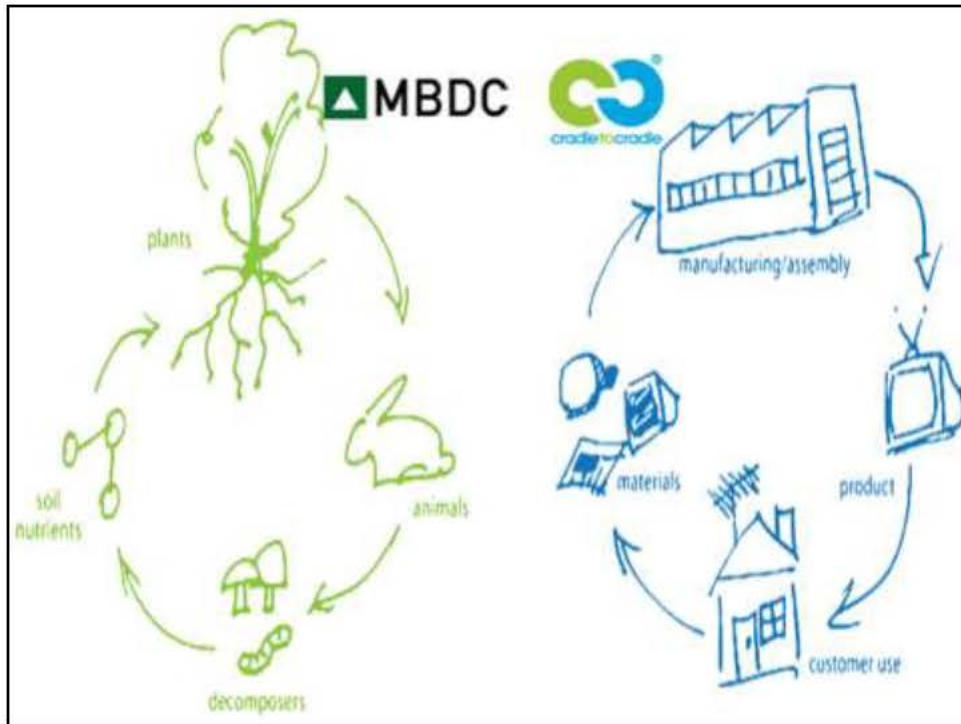
To use the iSUSTAIN™ Index, the user generates a scenario. The scenario contains information on the materials going into a process (the Bill of Materials In or BOM In), the materials out of a process (the product and any waste streams - the Bill of Materials Out or BOM Out) and the conditions used for the various steps in a process (the Process Steps). Several alternative scenarios can be generated for the same product/process, making changes within them to evaluate their effect on the overall sustainability score, thus allowing the user to do a "what-if" analysis.

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Sustainability looks to balance development with utilizing all biological and inorganic “technical” in a closed loop system. This mimics the behavior of natural systems, that utilize all waste materials as food for another organism. There is virtually no waste and the system becomes “self-perpetuating”. This is the goal of sustainable development- to become self-perpetuating for all future generations.

D-10.3_Baseline Sustainability Training OH



More specifically all materials can be seen as nutrients for the next generation or level of users in a hierarchy. One such cyclical description is utilized by the MBDC (McDonough Braungart Design Chemistry) Cradle to Cradle framework . The Cradle to Cradle framework also addresses energy, water and social responsibility through the following tenets:

Eliminate the concept of waste. “Waste equals food.” Design products and materials with life cycles that are safe for human health and the environment and that can be reused perpetually through biological and technical metabolisms. Create and participate in systems to collect and recover the value of these materials following their use.

Power with renewable energy. “Use current solar income.” Maximize the use of renewable energy.

Respect human & natural systems. “Celebrate diversity.” Manage water use to maximize quality, promote healthy ecosystems and respect local impacts. Guide operations and stakeholder relationships using social responsibility.

D-10.3_Baseline Sustainability Training OH



To assist companies in (re)designing eco-effective products, MBDC uses the Cradle to Cradle Design Protocol to assess materials used in products and production processes. The Protocol is founded on the "Intelligent Products System" developed by Michael Braungart and his colleagues at EPEA.


In applying the Protocol, materials in products are first inventoried and then evaluated according to their characteristics within the desired application, and placed into one of four categories (Green, Yellow, Orange, or Red) based on human health and environmental relevance criteria. After all chemicals are assessed, the materials in a product application are optimized by positively selecting replacements for chemicals characterized as Red and using Green chemicals as they are available.

http://www.mbdc.com/c2c_mbdp.htm

One major focus of achieving sustainable development (e.g., manufacturing, construction, transportation...) is to re-design the products, processes, and services that are currently used. This is an example of a system which is used to evaluate the design of products based on the chemistry of the material inputs. This approach is also sometimes referred to as "Green Chemistry". This process ranks the impacts of materials used in a product.

D-10.3_Baseline Sustainability Training OH

Twelve Principles of Green Chemistry *



- 1. Prevention**
It is better to prevent waste than to treat or clean up waste after it has been created.
- 2. Atom Economy**
Synthetic methods should be designed to maximize the incorporation of all materials used in the process into the final product.
- 3. Less Hazardous Chemical Syntheses**
Whenever practicable, synthetic methods should be designed to use and generate substances that possess little or no toxicity to human health and the environment.
- 4. Designing Safer Chemicals**
Chemical products should be designed to effect their desired function while minimizing their toxicity.
- 5. Safer Solvents and Auxiliaries**
The use of auxiliary substances (e.g., solvents, separation agents, etc.) should be made unnecessary whenever possible and innocuous when used.
- 6. Design for Energy Efficiency**
Energy requirements of chemical processes should be recognized for their environmental and economic impacts and should be minimized. If possible, synthetic methods should be conducted at ambient temperature and pressure.
- 7. Use of Renewable Feedstocks**
A raw material or feedstock should be renewable rather than depleting whenever technically and economically practicable.
- 8. Reduce Derivatives**
Unnecessary derivatization (use of blocking groups, protection/deprotection, temporary modification of physical/chemical processes) should be minimized or avoided if possible, because such steps require additional reagents and can generate waste.
- 9. Catalysis**
Catalytic reagents (as selective as possible) are superior to stoichiometric reagents.
- 10. Design for Degradation**
Chemical products should be designed so that at the end of their function they break down into innocuous degradation products and do not persist in the environment.
- 11. Real-time analysis for Pollution Prevention**
Analytical methodologies need to be further developed to allow for real-time, in-process monitoring and control prior to the formation of hazardous substances.
- 12. Inherently Safer Chemistry for Accident Prevention**
Substances and the form of a substance used in a chemical process should be chosen to minimize the potential for chemical accidents, including releases, explosions, and fires.

* Anastas, P. T.; Warner, J. C.; Green Chemistry: Theory and Practice, Oxford University Press, New York, 1998, p.30. By permission of Oxford University Press.

The Principles of Green Chemistry are essential to re-designing products and processes. Beginning with Pollution Prevention-Prevention

It is better to prevent waste than to treat or clean up waste after it has been created.

Atom Economy

Synthetic methods should be designed to maximize the incorporation of all materials used in the process into the final product.

Less Hazardous Chemical Syntheses

Wherever practicable, synthetic methods should be designed to use and generate substances that possess little or no toxicity to human health and the environment.

Designing Safer Chemicals

Chemical products should be designed to effect their desired function while minimizing their toxicity.

Safer Solvents and Auxiliaries

The use of auxiliary substances (e.g., solvents, separation agents, etc.) should be made unnecessary wherever possible and innocuous when used.

Design for Energy Efficiency

Energy requirements of chemical processes should be recognized for their environmental and economic impacts and should be minimized. If possible, synthetic methods should be conducted at ambient temperature and pressure.

Use of Renewable Feedstocks

A raw material or feedstock should be renewable rather than depleting whenever technically and economically practicable.

Reduce Derivatives

Unnecessary derivatization (use of blocking groups, protection/deprotection, temporary modification of physical/chemical processes) should be minimized or avoided if possible, because such steps require additional reagents and can generate waste.

Catalysis

Catalytic reagents (as selective as possible) are superior to stoichiometric reagents.

Design for Degradation

Chemical products should be designed so that at the end of their function they break down into innocuous degradation products and do not persist in the environment.

Real-time analysis for Pollution Prevention

Analytical methodologies need to be further developed to allow for real-time, in-process monitoring and control prior to the formation of hazardous substances.

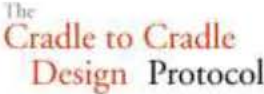

Inherently Safer Chemistry for Accident Prevention

Substances and the form of a substance used in a chemical process should be chosen to minimize the potential

D-10.3_Baseline Sustainability Training OH

for chemical accidents, including releases, explosions, and fires.

D-10.3_Baseline Sustainability Training OH



The four categories are:

Green
Little or no risk. This chemical is acceptable for use in the desired application.



Yellow
Low to moderate risk. This chemical is acceptable for use in the desired application until a green alternative is found.

Orange
There is no indication that this is a high risk chemical for the desired application, but a complete assessment is not possible due to lack of information.

Red
High risk. 'Red' chemicals (also sometimes referred to as 'X-list' chemicals) should be phased out as soon as possible. 'Red' chemicals include all known or suspected carcinogens, endocrine disruptors, mutagens, reproductive toxins, and teratogens. In addition, chemicals that do not meet other human health or environmental relevance criteria are 'red' chemicals. http://www.mbdc.com/c2c_mbdp.htm

The concepts of green chemistry are being profitably implemented by many companies. Manufacturers can now utilize systems such as this one to certify their products based on the qualities of their material inputs. Products evaluated by this process are rated for - Material Health, Material Reutilization, Renewable Energy Use, Water Stewardship and Social Responsibility

D-10.3_Baseline Sustainability Training OH

SUMMARY OF CRADLE TO CRADLE® CERTIFICATION CRITERIA				
	Basic	Silver	Gold	Platinum
1.0 Material Health				
All material ingredients identified (down to the 100 ppm level)	★	★	★	★
Defined as biological or technical nutrient	★	★	★	★
All materials assessed based on their intended use and impact on Human/Environmental Health according to the following criteria:				
<u>Human Health:</u>				
Carcinogenicity				
Endocrine Disruption				
Mutagenicity				
Reproductive Toxicity	★	★	★	★
Teratogenicity				
Acute Toxicity				
Chronic Toxicity				
Irritation				
Sensitization				
<u>Environmental Health:</u>				
Fish Toxicity				
Algae Toxicity				
Daphnia Toxicity				
Persistence/Biodegradation				
Bioaccumulation				
Ozone Depletion/Climatic Relevance				
<u>Material Class Criteria:</u>				
Content of Organohalogenes				
Content of Heavy Metals				
Strategy developed to optimize all remaining problematic ingredients/materials	★	★		
Product formulation optimized (i.e., all problematic inputs replaced/phased out)			★	★
No wood sourced from endangered forests			★	★
Meets Cradle to Cradle emission standards			★	★
All wood is FSC certified				★
Contains at least 50% GREEN assessed components				★

This is used here just to illustrate the types of criteria that are necessary to fully evaluate the material health of product/process inputs.

D-10.3_Baseline Sustainability Training OH

2.0 Material Reutilization				
Defined the appropriate cycle (i.e., Technical or Biological) for the product and developing a plan for product recovery and reutilization	•	•	•	•
Well defined plan (including scope and budget) for developing the logistics and recovery systems for this class of product			•	•
Recovering, remanufacturing or recycling the product into new product of equal or higher value				•
Product has been designed/manufactured for the technical or biological cycle and has a nutrient (reutilization score >= 50)		•	•	•
Product has been designed/manufactured for the technical or biological cycle and has a nutrient (reutilization score >= 65)			•	•
Product has been designed/manufactured for the technical or biological cycle and has a nutrient (reutilization score >= 80)				•
3.0 Renewable Energy Use				
Characterized energy use and source(s) for product manufacture/assembly	•	•	•	•
Developed strategy for using current solar income for product manufacture/assembly		•	•	•
Using 50% current solar income for product final manufacture/assembly			•	•
Using 50% current solar income for entire product				•
4.0 Water Stewardship				
Created or adopted water stewardship principles/guidelines		•	•	•
Characterized water flows associated with product manufacture			•	•
Implemented water conservation measures				•
Implemented innovative measures to improve quality of water discharges				•
5.0 Social Responsibility				
Publicly available corporate ethics and fair labor statement(s), adopted across entire company		•	•	•
Identified third party assessment system and begun to collect data for that system			•	•
Acceptable third party social responsibility assessment, accreditation, or certification				•

The aspects of each part of the production process are also evaluated for their impacts. Each of the categories has extensive criteria and can be further researched on the Cradle to Cradle site- <http://www.c2cproducts.com/detail.aspx?linkid=2&sublink=9> , as well as the references listed below-

Program References

Material Health

At the Platinum certification level, manufacturers of wood products are required to use FSC Certified wood.
Forest Stewardship Council (www.fsc.org)

Renewable Energy Use

At the Gold and Platinum certification levels, manufacturers are required to use renewable energy. If Renewable Energy Certificates (RECs) are purchased, they must be Green-e Certified.
Green-e Certification (<http://www.green-e.org/>)

Water Stewardship

At the Gold certification level, manufacturers are required to complete a water audit of their manufacturing process. This process is based on the Global Environmental Management Initiative resources.
Global Environmental Management Initiative (www.gemi.org/water)

Social Responsibility

At the Gold and Platinum certification levels, manufacturers are required to prepare for and obtain a third-party social responsibility or fair labor certification. The following are recommended programs:
B Corporation (www.bcorporation.net)
Social Accountability International SA8000 (<http://www.sa-intl.org/>)

Program Documents

- List of [Chemical Evaluation Criteria](#)
- List of [Restricted Chemicals](#)
- List of [Banned chemicals](#)
- [Testing Requirements & Procedures](#) • Description of Manufacturing [Site Visit](#)

Certification Partners

Cradle to Cradle® Certification is was founded by MBDC. MBDC is the primary company that works with clients to guide them through the certification process. However, several partners are licensed to contract with clients and take them through the certification process.

Environmental Protection & Encouragement Agency (EPEA) – Hamburg, Germany
www.epea.com, Founded by [Professor Dr. Michael Braungart](#)

EcoIntelligent Growth (EIG) – Barcelona, Spain

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www.ecointelligentgrowth.net

Zimmerman Management Solutions – Washington, New Jersey

Eugene.Zimmerman@gmail.com

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Design for the Environment

An EPA Partnership Program

You are here: [EPA Home](#) > [DfE](#) > [Alternatives Assessments](#)

Alternatives Assessments

DfE's Alternatives Assessment Program helps industries choose safer chemicals for applications such as fire safety in circuit boards and furniture and non-lead solder for electronics. Alternatives analyses provide a basis for informed decision making by developing an in-depth comparison of potential human health and environmental impacts.

Alternatives Assessment Partnerships bring together environmental organizations, industry leaders, academia, and others to evaluate the environmental and health impacts of potential alternatives to problematic chemicals. The outcome of an Alternatives Assessments Partnership provides industry with the information they need to choose safer chemicals, as well as avoid unintended consequences of switching to a poorly understood substitute.

The program uses a variety of approaches to investigate safer chemistries. Life-cycle assessment can be conducted to understand the phases (e.g., production, use, and disposal) where industry can make changes to realize environmental and health benefits. DfE Hazard-based Alternatives Analyses evaluate the hazards posed by chemicals during relevant phases in the product life cycle. These approaches can be applied to identifying safer alternative chemicals for applications that now use priority chemicals of concern.

Top DfE Questions

- What does the DfE label mean?
- Where can I find a list of products with the DfE label?
- How do I apply to get the DfE label on my products?



USEPA also will assist in evaluating the materials and processes of manufacturers to improve, document and certify the materials and processes associated with their products and services.

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Formulators who subscribe to the [CleanGredients®](#) database can find a list of surfactants and solvents that meet the DfE's (Design for the Environment) criteria. Suppliers who subscribe can have their chemicals reviewed against the appropriate criteria and listed in the database. Nearly [400 formulators](#) are finding safer ingredients on [CleanGredients®](#).

DfE Criteria for Safer Chemical Ingredients

In establishing thresholds for green ingredients, the General Criteria delineates the safer or "low-concern" end of the ingredient spectrum, guiding and ensuring best-in-class ingredient choices for DfE-recognized products. With the development of the General Criteria, the core of the DfE review process and the standard to which it applies is transparent and ready for third-party implementation.

All components in DfE-recognized products will be evaluated against the General Criteria or against any component-class criteria, as available and appropriate. Component-class criteria define and more fully explore the green end of specific ingredient-class continuums. Using the General Criteria as a template, the component-class criteria tailor the health and environmental endpoints in the General Criteria in a way appropriate to the specific class, designating key, distinguishing characteristics and adjusting thresholds, as necessary. Developing the criteria improves the general understanding of the characteristics of safer ingredients in the class and helps identify green-chemistry opportunities and successes. Each ingredient in a formulation has a role to play in making a product work. Whether it is to aid in cleaning by reducing surface tension (surfactants), dissolve or suspend materials (solvents), reduce water hardness (chelating agents), or provide a scent (fragrances), each ingredient type has a function. Within these "functional classes," many ingredients share similar toxicological and environmental fate characteristics. As a result, DfE focuses its review of formulation ingredients on the key (environmental and human health) characteristics of concern within a functional class. This approach allows formulators to use those ingredients with the lowest hazard in their functional class, while still formulating high-performing products.

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Examples of Sustainability Best Practices/Improvement in Action

Interface Carpet and Herman Miller - Product and process re-design

Great Lakes Brewing and GoJo Products- Ohio Manufacturing and Operations Practices

City of Cleveland- Policy and Operations practices

Ohio School Facilities Board- Ohio leads the nation in LEED Schools

Entrepreneurial Opportunities- Sustainability as a model for new businesses

There are many examples of sustainability best practices and principles, both inside and outside of Ohio. The following process methods, metrics and information is provided to give practical examples of these principles in action.

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A Model, Vision and Measurements as Guides

The Interface model for sustainable business has emerged, one that guides our journey and from which other businesses can draw inspiration and design their own journeys. As we put the model to work within Interface, we set forth our vision and, imagining all it would take to realize it, developed the Seven Fronts™. We then put in place measurements, called Ecometrics™, to monitor our progress and keep us on our journey's path. Learn more about the [7 Fronts of Sustainability](http://www.interfaceglobal.com/Sustainability.aspx).

<http://www.interfaceglobal.com/Sustainability.aspx>

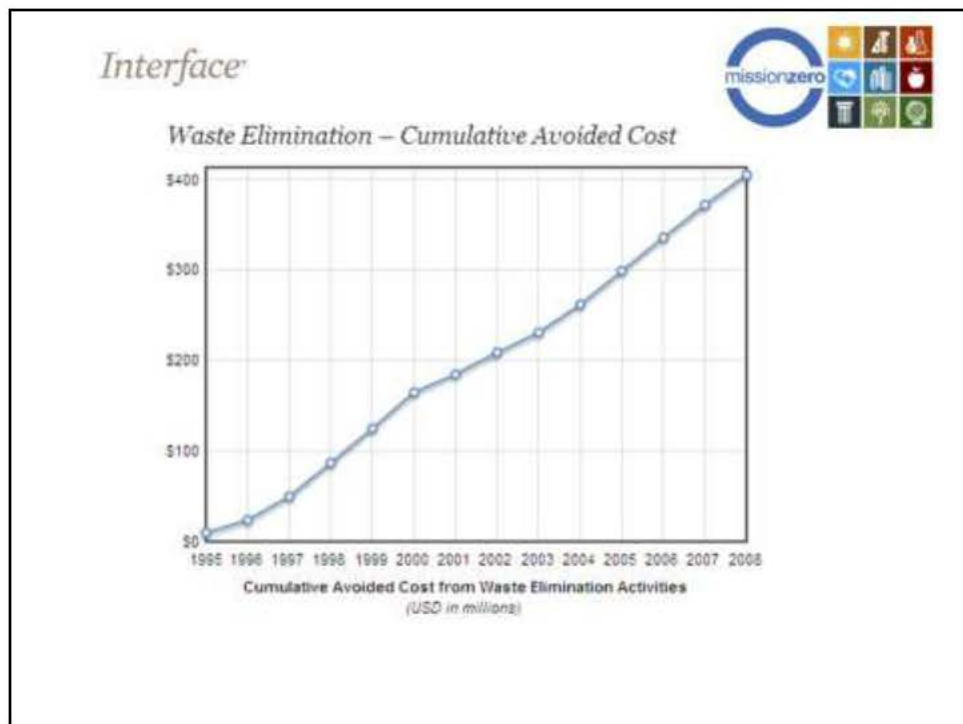
Interface Carpet and their CEO and Founder- Ray Anderson are recognized around the world as one of the true pioneers of profitable sustainable manufacturing practices. The 7 Fronts of Sustainability are on the next slide.

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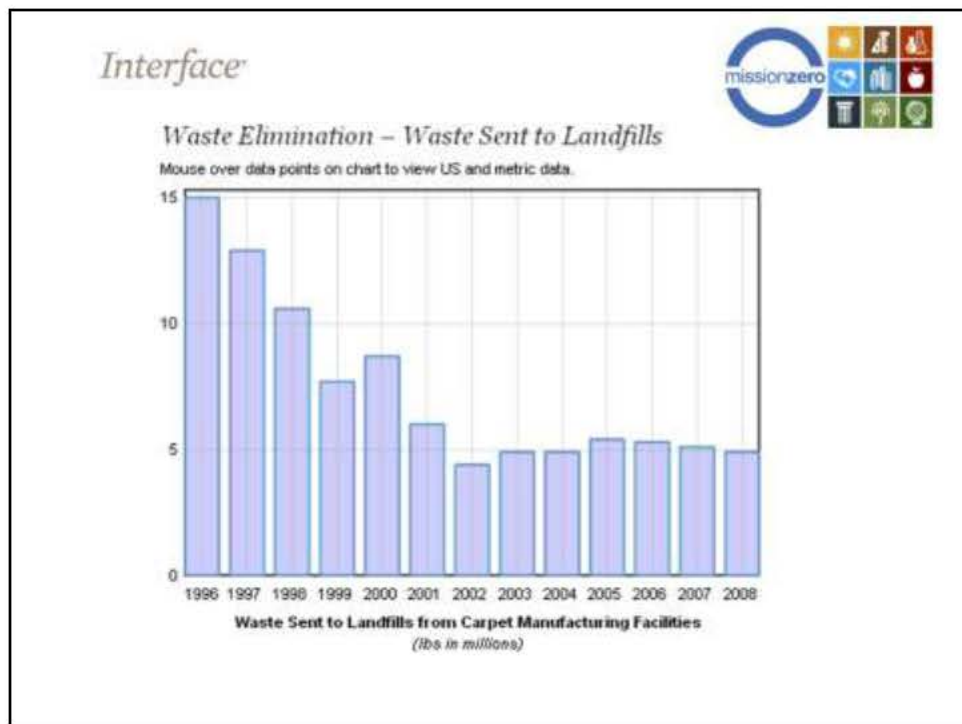
Interface's approach to sustainability is a continual improvement model much like any quality or environmental management system. They continually measure, evaluate and manage improvement in ALL aspects of their business performance.

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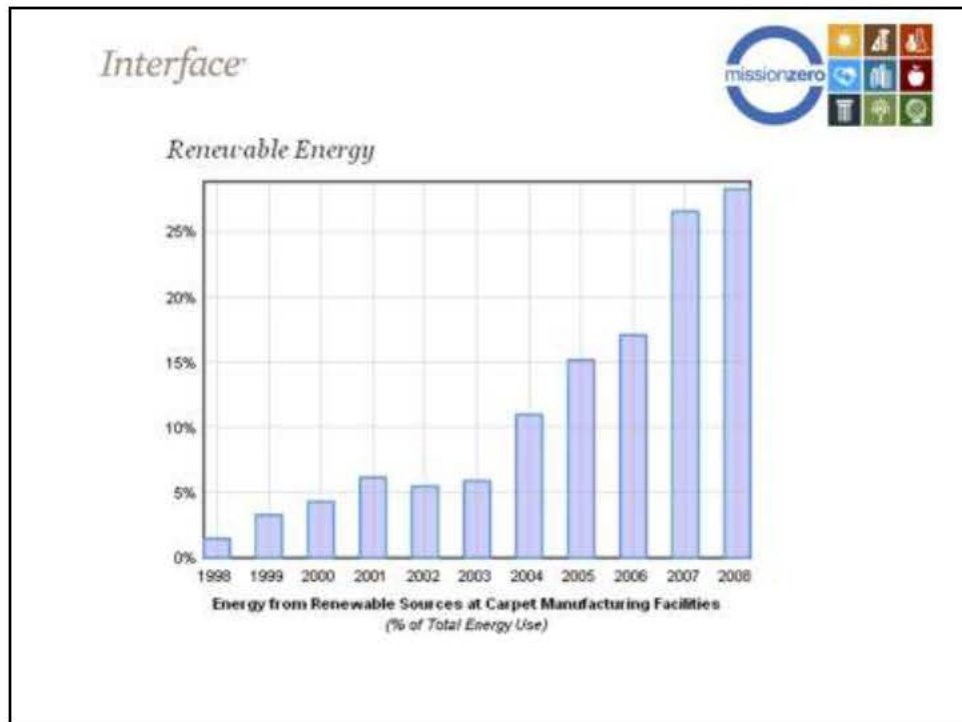
Each of the following slides emphasizes the profitability of “doing well by doing good”. Sustainability is an indication of management competency and is reflected in standards such as the Dow Jones Sustainability Index.

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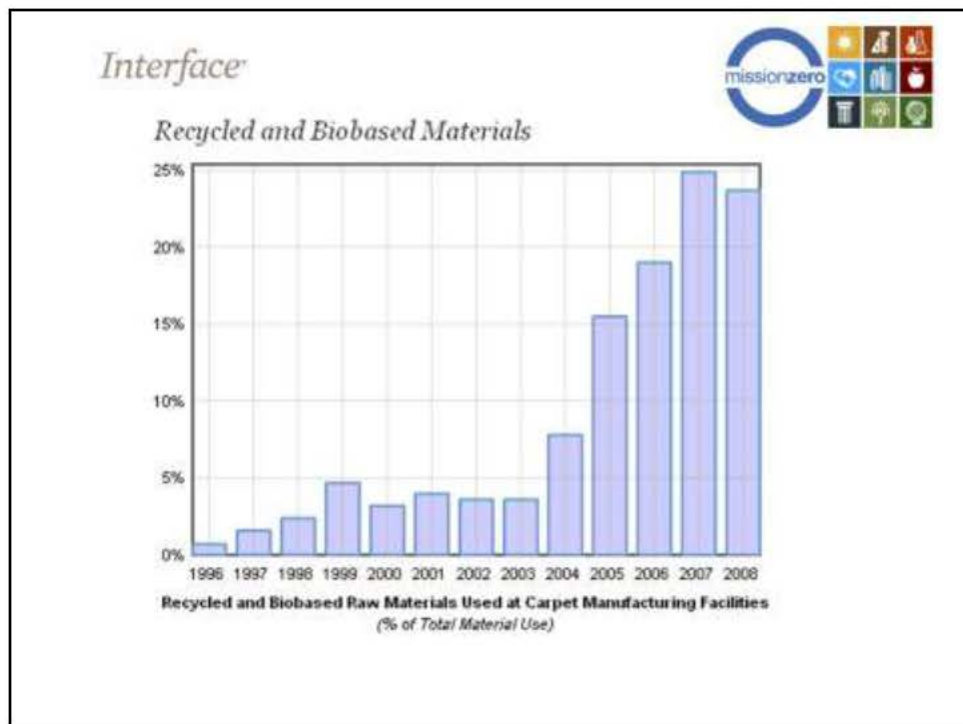
Interface continues to find ways to incorporate their waste materials back into product. They also take back “used” carpet and backing, turning them into new products.

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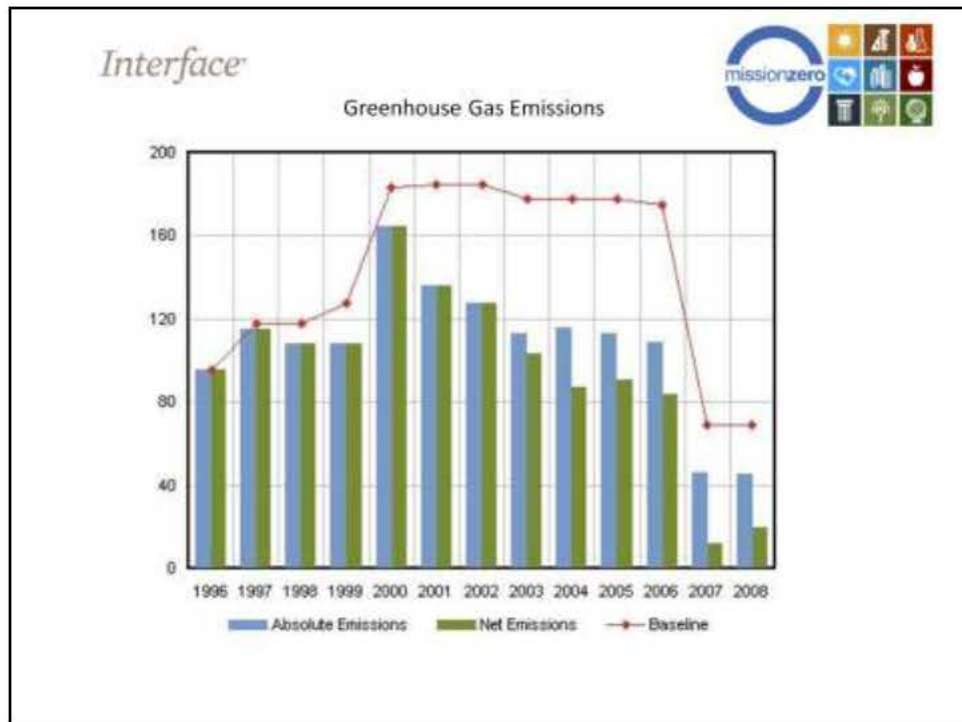
Interface continues to utilize more renewable energy to lower their environmental footprint.

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Interface also utilizes recycled and biobased materials to minimize costs as well as minimize their depletion of non-renewable materials such as petroleum.

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Interface has also significantly reduced their emissions from this approach as well.

Herman Miller (HM) Sustainability Practices

A few key results of Herman Miller Design for Environment initiatives-

- **Elimination of Title V permits-** HM eliminated Hazardous Air Pollutants (HAPs) and Hazardous Waste containing glues, solvents and coatings.
- **HM pioneered the powder coating of MDF** (medium density fiberboard)

Herman Miller Sustainability Practices

The MBDC Cradle to Cradle Design Protocol adopted by Herman Miller goes beyond regulatory compliance to thoroughly evaluate new product designs in three key areas:

Material Chemistry and Safety of Inputs--What chemicals are in the materials we specify, and are they the safest available?

Disassembly--Can we take products apart at the end of their useful life to recycle their materials?

Recyclability--Do the materials contain recycled content, and more importantly, can the materials be recycled at the end of the product's useful life?

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How We Do It

As an international company with multiple manufacturing plants and office sites, establishing and maintaining Herman Miller's environmental standards can be a challenging task.



That's why we created the Environmental Quality Action Team (EQAT), a cross-functional steering committee of Herman Miller employees, founded in 1999, that sets our environmental direction and priorities and measures results. The EQAT's team-based approach reflects our culture of participative management. In 1991, the EQAT created Herman Miller's first formal environmental policy statement and established zero landfill use as our first-ever environmental goal. Since then we have continually expanded our goals to make Herman Miller, Inc., a sustainable business. We now track and/or report monthly on eight strategies that monitor our progress.

Herman Miller, Inc. MBDC- Cradle to Cradle® Certified Products


Caper® Stackable Side Chair	Silver
Celle™ Chair	Silver
Mirra® Chair	Silver
My Studio Environments™	Silver
Celle™ Chair (select models)	Gold
Mirra® Chair (Select Models)	Gold
Teneo™ Storage Furniture	Silver
Meridian® Filing & Storage	Silver
Tu™ Filing and Storage	Silver
Embody™ Chair	Silver
Aeron® Seating	Silver
The Be collection™ keyboard trays	Gold
Intent™ Furniture	Silver
Sense™ Table	Silver

Herman Miller has done extensive application of green chemistry and life cycle analysis to certify a wide selection of their products

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Design for the Environment:

- 99 percent recyclable and manufactured using 33 percent recycled materials
- MBDC Cradle to Cradle® Gold certified
- GREENGUARD® certified
- level™ 2 certified



Designer: Jerome Caruso


Warranty: 12-year, 3-shift



General Dimensions

A height: 44 in.
B width: 29.5 in.
C depth: 15.5-18 in.

CELLE CHAIRS hermanmiller.com/celle



By utilizing sustainable design principles products can be **quantifiably** produced that directly reduce the environmental, social and economic costs/impacts. Celle fits into the company's vision of sustainable design. Celle was developed using our Design for the Environment protocol, which establishes strict standards for recyclability, safe content, easy disassembly, minimal packaging, and minimal waste. It has earned MBDC Gold Cradle-to-Cradle certification for its achievement in environmentally intelligent design.

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Similar approaches to iSUSTAIN™, —R13%005% to Cradle™, Design for the Environment or other certification processes can be undertaken by any organization that is willing to fully assess the long and short term implications of their products and services.

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Sustainability

Triple Bottom Line



Triple Bottom Line | Sustainability Report

Great Lakes Brewing Company is an environmentally and socially conscious brewer of award-winning, all natural beer. The care that goes into the beer resonates from a commitment to the community and environment, otherwise known as the "Triple Bottom Line" - to engage in economic, social and environmental practices that achieve a sustainable, yet profitable, business.

We believe the Triple Bottom Line is going to become increasingly important as people focus more on responsible purchasing. This commitment to sustainability is present in almost every aspect of our business including:

- Reducing, reusing and recycling
- Changing natural resource use from "Take, Make, Waste" to "Take, Make, Remake"
- Implementing efficient energy practices
- Investing in the community through non-profit organizations
- Supporting sustainable urban renewal projects

The three waves in the company logo not only reflect this Triple Bottom Line philosophy, they represent a concerted effort to the respectful use of beer's most valuable ingredient - water. Since beer is over 90% water, GLBC understands that quality water translates into a great beer drinking experience, so only the best water from the Great Lakes region is used.



Great Lakes emphasizes reducing, reusing and recycling materials. Changing natural resource use from "Take, Make, Waste" to "Take, Make, Remake." Implementing efficient energy practices. Investing in the community through non-profit organizations and supporting sustainable urban renewal projects .

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Sustainability	Other Sustainability Projects
ALTERNATIVE FUELS (STRAIGHT VEGETABLE OIL) To help reduce our carbon footprint (well, tire tread), our beer delivery truck and "Fatty Wagon" shuttle bus run on straight restaurant vegetable oil—a 25% cleaner ride that produces 40% less soot than diesel.	  
REUSE OF SPENT BREWERY GRAIN To us, the grains used to brew our exceptional beer are indispensable—local farmers raise livestock and poultry on a diet of brewery grains; Zoss the Swiss Baker uses the grains to produce our cracked barley beer bread and pretzels; and grains (along with paper, kitchen scraps and cardboard) are fed to worms, which then produce castings (top-of-the-line organic fertilizer) used to fertilize our Pint Size Farm.	
RECYCLING We recycle everything we can (even our recycling bins, if possible): cardboard, glass, plastic, steel/aluminum, paper, hops, yeast and brewer's barley. We print all newsletters, menus, beverage napkins and promotional items on recycled paper. And all our packaging includes recycled content. Our intention is to become a true zero waste Brewery.	
BEER GARDEN We renovated the outdoor Beer Garden to include a retractable "Roman Curtain" roof and other ecofriendly components. The Roman Curtain is a durable canvas roof that encloses the Beer Garden and retracts to allow use of this indoor/outdoor dining area all year. The Beer Garden also includes a radiant heat fireplace and floor, a straw bale wall and ten foot high sliding glass doors.	
ENERGY EFFICIENCY In the winter, our Brewery cooler brings in chilly outdoor air to cool the beer (thanks, Cleveland), while skylights and light sensors maximize natural light to minimize electricity use. In addition, GLBC received a grant for a solar thermal heating system as part of a larger energy efficiency upgrade. The Brewpub features 12 solar tube collectors and two water tanks that preheat water for brewing and restaurant use.	
LOW-FILL BEER We even think highly enough of our low-fill beers (unsellable bottles because they're not filled to the maximum level) to use them in a number of items including soups, marinades, sauces, chocolate truffles, sausages and soaps. In fact, our low-fill porters are sent to Mitchell's Ice Cream to make our exclusive Edmund Fitzgerald Chocolate Chunk Ice Cream.	

Great Lakes Brewing- ALTERNATIVE FUELS (STRAIGHT VEGETABLE OIL)

To help reduce our carbon footprint (well, tire tread), our beer delivery truck and "Fatty Wagon" shuttle bus run on straight restaurant vegetable oil—a 25% cleaner ride that produces 40% less soot than diesel.

REUSE OF SPENT BREWERY GRAIN

To us, the grains used to brew our exceptional beer are indispensable—local farmers raise livestock and poultry on a diet of brewery grains; Zoss the Swiss Baker uses the grains to produce our cracked barley beer bread and pretzels; and grains (along with paper, kitchen scraps and cardboard) are fed to worms, which then produce castings (top-of-the-line organic fertilizer) used to fertilize our Pint Size Farm.

RECYCLING

We recycle everything we can (even our recycling bins, if possible): cardboard, glass, plastic, steel/aluminum, paper, hops, yeast and brewer's barley. We print all newsletters, menus, beverage napkins and promotional items on recycled paper. And all our packaging includes recycled content. Our intention is to become a true zero waste Brewery.

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What is the SI (Sustainability Implementation) Program?

A peer-based, action focused, learning process that increases the rate you can learn new technologies and processes and the probability you will successfully implement what you learn. Develop relationships with other entrepreneurial leaders who will support you during and after the SI Program ends its journey. Learn a whole-systems design strategy that will transform your organization, inspire innovation and improve the quality of life in your community

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E4S SI Group participants-

follow an implementation process and project framework that focuses on opportunities in **buildings, operations, products and services, markets, company culture and community**. The program spans **eight sessions** with participants meeting monthly to explore opportunities in areas such as **waste elimination, energy efficiency, green building and sustainable procurement**. Each group consists of 3-5 leaders from 7-10 businesses.



Most importantly, SI Group participants are setting the example for other businesses in the region. Mark Schwerdtfeger, a 2008 SI group member, achieved **outstanding waste reductions and cost savings at GOJO Industries in Akron** and is now directing sustainability implementation at Heinz Frozen Foods in Massillon. According to Mark, **GOJO Industries was able to reduce its overall solid waste generation 50 percent** by utilizing innovative approaches such as arranging by-product synergy. For example, GOJO works with The Little Tikes Company, which uses GOJO mixed plastic waste to produce playground equipment. **GOJO also saved \$170,000** by donating previously land filled waste soap to the Akron-Canton Regional Foodbank. The annual cost of waste soap disposal had been \$300,000. Toiletries such as soap and shampoo cannot be purchased with food stamps. By collaborating with the Foodbank, the product is repackaged and provided to Ohioans in need.

<http://epa.ohio.gov/portals/41/CPQ/Spring2009.pdf>

Entrepreneurs for Sustainability (E4S), a nonprofit economic development organization based in Cleveland, has attracted more than 6,600 leaders from all sectors of the economy who are interested in saving money, reducing their environmental impact and ensuring prosperity for the region.

In 2005, E4S launched a new learning program for business and organizational leaders who desired an integrated strategic plan for sustainability.

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HOPE

COMMUNITY

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KIDS & TEENS

GOVERNMENT

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Sustainable Cleveland 2019

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Work Groups and Outcomes

Forms and Publications

FAQ's

YOU ARE HERE > CityOfCleveland.com > Home > Community > Things To Do > Sustainable Cleveland 2019

Sustainable Cleveland 2019

Cleveland will become a model of sustainability and become a leader in the emerging green economy over the next 10 years through the efforts of Sustainable Cleveland 2019.

The work began in earnest in August 2009 when nearly 700 people from across greater Cleveland and across the nation gathered at Public Auditorium for a three-day summit focused on Building an Economic Engine to Empower a Green City on a Blue Lake. This effort is focused on supporting business growth, protecting the environment and creating opportunities for individuals to prosper.

Office of Sustainability

Shameel Brown

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Weekdays 8am-5pm

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Send Email

Mission Statement

We are committed to improving the quality of life in the City of Cleveland by strengthening our neighborhoods, delivering superior services, embracing the diversity of our citizens, and making Cleveland a desirable, safe city in which to live, work,

Our Partners

Where We Do

Cleveland

Things

Sustainable Cleveland

Mayor Frank G. Jackson would like to thank those who provided funding and in-

Here are a few key action items for Sustainable Cleveland 2019-Advanced Energy Generation/Research and Commercialization, Green Building, Entrepreneurship in the Urban Core, Strategic Partnerships and Learning, Sustainable Business Innovation/Incubation, Transportation, Vacant Land Use and Green Space, Waste to Profit, Water, and World Class Sustainable Education

Entire Summary of the 2019 Sustainable Cleveland 2019 Summit - 700 people gathered at Public Auditorium for a three-day summit focused on Building an Economic Engine to Empower a Green City on a Blue Lake. On the first day of the summit, we welcomed everyone to the summit and to the City of Cleveland. The second day of the summit was focused on the theme of "Sustainable Cleveland 2019: A Vision for the Future." The third day of the summit was focused on the theme of "Sustainable Cleveland 2019: A Vision for the Future." The summit was a success and we look forward to the continued efforts of Sustainable Cleveland 2019.

Advanced Energy Generation/Research and Commercialization

The City of Cleveland is committed to becoming a leader in the emerging green economy. We will focus on the following key action items:

- Develop a sustainable energy plan that includes renewable energy sources, energy efficiency, and energy conservation.
- Invest in research and development of new energy technologies.
- Encourage the development of green buildings and green infrastructure.
- Support the development of sustainable transportation systems.
- Encourage the development of sustainable business practices.

Green Building

The City of Cleveland is committed to becoming a leader in the green building industry. We will focus on the following key action items:

- Develop a green building code that is based on the most current standards.
- Encourage the development of green buildings and green infrastructure.
- Support the development of sustainable transportation systems.
- Encourage the development of sustainable business practices.

Entrepreneurship in the Urban Core

The City of Cleveland is committed to becoming a leader in the entrepreneurship industry. We will focus on the following key action items:

- Develop a sustainable entrepreneurship plan that includes the development of new businesses, the creation of jobs, and the growth of the economy.
- Invest in research and development of new technologies.
- Encourage the development of green buildings and green infrastructure.
- Support the development of sustainable transportation systems.
- Encourage the development of sustainable business practices.

Strategic Partnerships and Learning

The City of Cleveland is committed to becoming a leader in the strategic partnerships and learning industry. We will focus on the following key action items:

- Develop a sustainable strategic partnerships and learning plan that includes the development of new partnerships, the creation of jobs, and the growth of the economy.
- Invest in research and development of new technologies.
- Encourage the development of green buildings and green infrastructure.
- Support the development of sustainable transportation systems.
- Encourage the development of sustainable business practices.

Sustainable Business Innovation/Incubation

The City of Cleveland is committed to becoming a leader in the sustainable business innovation and incubation industry. We will focus on the following key action items:

- Develop a sustainable business innovation and incubation plan that includes the development of new businesses, the creation of jobs, and the growth of the economy.
- Invest in research and development of new technologies.
- Encourage the development of green buildings and green infrastructure.
- Support the development of sustainable transportation systems.
- Encourage the development of sustainable business practices.

Transportation

The City of Cleveland is committed to becoming a leader in the transportation industry. We will focus on the following key action items:

- Develop a sustainable transportation plan that includes the development of new transportation systems, the creation of jobs, and the growth of the economy.
- Invest in research and development of new technologies.
- Encourage the development of green buildings and green infrastructure.
- Support the development of sustainable transportation systems.
- Encourage the development of sustainable business practices.

Vacant Land Use and Green Space

The City of Cleveland is committed to becoming a leader in the vacant land use and green space industry. We will focus on the following key action items:

- Develop a sustainable vacant land use and green space plan that includes the development of new green spaces, the creation of jobs, and the growth of the economy.
- Invest in research and development of new technologies.
- Encourage the development of green buildings and green infrastructure.
- Support the development of sustainable transportation systems.
- Encourage the development of sustainable business practices.

Waste to Profit

The City of Cleveland is committed to becoming a leader in the waste to profit industry. We will focus on the following key action items:

- Develop a sustainable waste to profit plan that includes the development of new waste to profit businesses, the creation of jobs, and the growth of the economy.
- Invest in research and development of new technologies.
- Encourage the development of green buildings and green infrastructure.
- Support the development of sustainable transportation systems.
- Encourage the development of sustainable business practices.

Water

The City of Cleveland is committed to becoming a leader in the water industry. We will focus on the following key action items:

- Develop a sustainable water plan that includes the development of new water systems, the creation of jobs, and the growth of the economy.
- Invest in research and development of new technologies.
- Encourage the development of green buildings and green infrastructure.
- Support the development of sustainable transportation systems.
- Encourage the development of sustainable business practices.

World Class Sustainable Education

The City of Cleveland is committed to becoming a leader in the world class sustainable education industry. We will focus on the following key action items:

- Develop a sustainable world class sustainable education plan that includes the development of new educational institutions, the creation of jobs, and the growth of the economy.
- Invest in research and development of new technologies.
- Encourage the development of green buildings and green infrastructure.
- Support the development of sustainable transportation systems.
- Encourage the development of sustainable business practices.

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Cleveland has a full-time Office of Sustainability to implement sustainable practices into all of the City's operations.

The Office of Sustainability Team-

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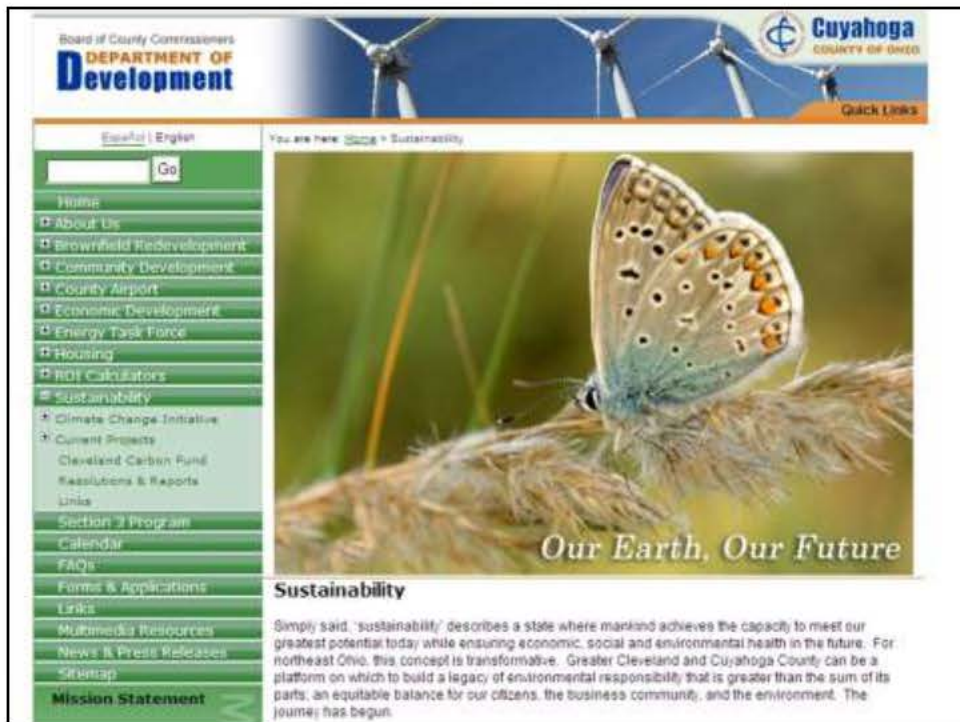
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Cuyahoga County has also adopted sustainable operating principles, such as-

- Climate Stabilization Declaration
- LEED New Building Standard Resolution
- Energy Conservation & Efficiency, Waste Reduction and Recycling Plan
- Cuyahoga County 2005 Greenhouse Gas Inventory
- Vehicle Idling Reduction Guidelines

Sustainability as an Entrepreneurial Business Opportunity



RELATED STORIES

Caterpillar Expands
Remanufacturing Offerings with
New Facility

Ascent Reports Significant
Sustainability Savings



Reprocessing and remanufacturing programs from **Ascent Healthcare Solutions** has saved its hospital partners more than \$82 million in supply chain costs during the first half of 2009. The provider of healthcare resource sustainability services said this represents a 25 percent increase in savings over the first six months in 2008. In other news, healthcare providers are also seeking sustainability best practices through Practice Greenhealth.

In addition to cost savings, the reprocessing and remanufacturing programs have enabled hospitals to divert more than 2.5 million pounds (1,296 tons) of waste from local landfills during the first half of 2009, according to Ascent Healthcare.

<http://www.ascenths.com/>

Sustainability has also become a business sector of its own. Entrepreneurs have begun to fill the niche of recovering and remanufacturing materials that would have been lost to landfills.

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- Picking Info
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- Specialty Crops



- Retail Services



- Yard Waste
- C & D Recycling
- Soil, Mulch, Compost
- Green Building
- Recycled Materials
- Custom Services
- Equipment for Sale
- Debris Recovery


Recovered & Recycled Building Materials

Scroll down for photos, descriptions, pricing, and availability of materials such as:

- Lumber and Plywood
- Steel I-Beams
- Ceramic Tile
- Decorative Landscaping Boulders
- Cut Stone & Barn Stone

*Our inventory is always subject to change. This web page was updated on 5/1/07. Please call 216 661-6102 x202 or visit our site at 54 E. Schaaf Rd. for additional updates. All materials sold "as is." Customers need to be prepared to load and haul materials using their own vehicles and labor. With our pricing, you'll typically save 50% or better off retail.

Lumber & Plywood



<http://rosbycompanies.com/recycledmaterials.htm>

Sustainability has created new business opportunities for the processing, marketing and resale of materials that were previously buried in landfills.

Where Can I Get Formal Sustainability Training?

- **Colleges and University Programs**
- **Certification Programs**
- **Short Courses, Seminars and Conferences**

There are a wide variety of options for advanced learning in sustainable business practices and principles the following slides outline just a few of the the many opportunities available.

D-10.3_Baseline Sustainability Training OH

The screenshot shows the Baldwin Wallace College Sustainability website. The header features the college's logo and the word "Sustainability" in a large, bold font. Below the header, there is a navigation bar with links to "B-W home", "Sustainability", and "Sustainability Programs at Baldwin-Wallace College". A search bar is also present. The main content area is divided into several sections. On the left, a sidebar lists links for "Sustainability", "Degree Requirements", "Course Descriptions", "Faculty", "External Advisory Committee", and "Related Links". The "Related Links" section includes "B-W Sustainability Symposium", "Campus Sustainability", and "Institute for Sustainable Business Practice". The main content area has a yellow background and contains the following text: "How can ethics meld with ecology and economics in a world that is ever changing and ever challenged?", "Sustainability is an exciting new major designed to meet the needs of the twenty-first century. It examines our human relationship to the earth and focuses on current and future needs in ways that address our social, environmental and economic well being.", "The first college in Ohio to offer a bachelor's degree in sustainability, we offer three tracks of focused concentration within the major: science, social sciences/humanities and business administration.", "Relevant: A comprehensive program that combines theory with real-world study, this major encourages you to become a manager of change in cultivating solutions that are practical as well as proactive.", and "Experiential: With an internship component built into the program, you'll gain real-life, hands-on experience working with an organization engaged in the work of sustainability. In addition, you'll benefit from having a professional mentor in the field of sustainability assigned to you. You'll also gain useful insights through our interdisciplinary capstone course, which integrates knowledge learned in the classroom with practical team-based experience in". On the right side, there is a section for "Faculty/Program Directors" listing Dr. David Krueger and Dr. Sabina Thomas with their contact information. Below this, there is a Facebook link and a YouTube video player showing a virtual tour of the campus.

B-W BALDWIN WALLACE COLLEGE

Sustainability

B-W home » Sustainability » Sustainability Programs at Baldwin-Wallace College

SEARCH

How can ethics meld with ecology and economics in a world that is ever changing and ever challenged?

Sustainability is an exciting new major designed to meet the needs of the twenty-first century. It examines our human relationship to the earth and focuses on current and future needs in ways that address our social, environmental and economic well being.

The first college in Ohio to offer a bachelor's degree in sustainability, we offer three tracks of focused concentration within the major: science, social sciences/humanities and business administration.

Relevant
A comprehensive program that combines theory with real-world study, this major encourages you to become a manager of change in cultivating solutions that are practical as well as proactive.

Experiential
With an internship component built into the program, you'll gain real-life, hands-on experience working with an organization engaged in the work of sustainability. In addition, you'll benefit from having a professional mentor in the field of sustainability assigned to you. You'll also gain useful insights through our interdisciplinary capstone course, which integrates knowledge learned in the classroom with practical team-based experience in

Faculty/Program Directors
Dr. David Krueger
dkrueger@bw.edu
(440) 826-5923
Dr. Sabina Thomas
sstomas@bw.edu
(440) 826-2268

This interdisciplinary program utilizes faculty from multiple departments across campus.

facebook
Become a fan of B-W's [Sustainability page](#)

TAKE A VIRTUAL TOUR

YouTube

The first college in Ohio to offer a bachelor's degree in sustainability. Corporate Sustainability Officer is one of the highest demand occupations today. Most corporations are looking to take advantage of the profitability of implementing sustainability best practices.



Many universities nationwide now offer sustainability programs which enable working professionals to increase their knowledge of best practices and principles.

D-10.3_Baseline Sustainability Training OH



Many Universities that do not offer “major” degree programs in Sustainability or Sustainable Business, will have individual courses or short programs.

D-10.3_Baseline Sustainability Training OH

Sustainability Training and Certifications

Become a "Certified" Sustainability Professional

Join the international population of green professionals who have been educated and certified with us and gain the highest credentials available in the sustainable "green" business profession worldwide.



Sustainability Training Certification Programs (100% online)



Senior Certified Sustainability Professional



Certified Sustainability Professional



Certified Green Supply Chain Professional

This is only an example of one of the on-line training certification opportunities for sustainable business best practices. There are numerous college/university programs and non-profit oriented training opportunities as well.

D-10.3_Baseline Sustainability Training OH

Three Exclusive Certification Programs Offered Internationally



Senior Certified Sustainability Professionals (SCSP)
Tuition: \$2,499.00 Best Value! Package Value: \$83,336.00 Visa Save 25% or \$627.99

Our SCSP certification is designed to give our graduates a great balance of core sustainability business topics. There are 10 courses in the program's certification:

1. Green Purchasing Fundamentals
2. Sustainability 101: Corporate Social Responsibility
3. Carbon Strategies
4. Environmental Management Systems (EMS 14001)
5. Green Transportation
6. Green Marketing & Sales Force Essentials
7. Design for Environment (DFE)
8. Environmental Accounting 101
9. Sustainability Leader
10. The Sustainability Consultant

Program participants have 12-months to complete all courses. You could finish much sooner - it's self pace.

* Also requires successful completion of the program certification examination.
* SCSP examination fee not included in tuition.
* SCSP examination fee \$175.00

Program Space is Limited
Reserve Your Participation Today!
Start Here

This is just an example of the types of subjects covered in a sustainable business short course.

D-10.3_Baseline Sustainability Training OH

Recommended reading and references-

Natural Capitalism- <http://www.natcap.org/>

The Ecology of Commerce- <http://browseinside.harpercollins.com/index.aspx?isbn13=9780887307041>

Cradle to Cradle- http://www.mcdonough.com/cradle_to_cradle.htm

The Natural Step- <http://www.naturalstep.org/>

Environmental Management Accounting- International Guidance Document
<http://web.ifac.org/media/publications/d/international-guidance-docu-1/international-guidance-docu-2.pdf>

Confessions of a Radical Industrialist-- Profits, People, Purpose--Doing Business by Respecting the Earth
Ray C. Anderson and Robin White -
<http://us.macmillan.com/confessionsofaradicalindustrialist>
<http://us.macmillan.com/confessionsofaradicalindustrialist>

We hope you have found this training useful and informative the above materials are provided if you wish to pursue further reading and research opportunities.

Questions???

Office of Compliance Assistance & Pollution Prevention

<http://www.epa.state.oh.us/ocapp/ocapp.html>

614-644-3469

ron.smith@epa.state.oh.us

**If have questions or would like assistance with sustainability implementation and/or pollution prevention opportunities please contact:
Office of Compliance Assistance & Pollution Prevention (OCAPP)
<http://www.epa.state.oh.us/ocapp/about.html>**

OCAPP is a non-regulatory office and is available to assist any Ohio company with more information on minimizing wastes.

The key references for this presentation are included in the previous recommended reading and reference slide. Additionally, most slides include the specific URL from which the slide information was derived.



Environmental
Protection Agency
Office of Compliance Assistance
and Pollution Prevention

Toolkit

A Publication of Ohio EPA,
Office of Compliance
Assistance and Pollution
Prevention - October 2010

Sustainable/Green Business Toolkit

Learn how to evaluate and transform your business for future success

The Power of Three (Triple Bottom Line)

The sustainability or greenness of a business has become a focal point, and not just for social or environmental responsibility reasons. A company's response to issues such as sustainability, corporate social responsibility, climate change or other initiatives has become a strong indicator of its overall ability to adapt and succeed in the long term. Managing the environmental and social impacts (costs and risks) of a business is integral to the future success of any company. The degree to which companies are proactive in the management of these impacts vs. being reactive or caught off-guard, is indeed a measurement of overall performance. This is sometimes referred to as the "triple bottom line" (economic, social and environmental performance).

An important component of evaluating performance and instituting change is benchmarking what other businesses have successfully and profitably instituted to improve their "triple bottom line." Companies practicing sustainability can find new markets, lower their regulatory burden (yes, eliminate the need for some permits) and improve their profitability. If this sounds too good to be true, then the following case studies will definitely be of interest to you.

Sustainability is about the long-term survival of your business, as well as the community. It is not a short-term "fad."

What is Sustainability?

"Development that meets the needs of the present without compromising the ability of future generations to meet their own needs."

Bruntland Report, 1987

The Bruntland report highlighted three fundamental components of sustainable development: environmental protection, economic growth and social equity. www.epa.gov/sustainability/basicinfo.htm

Shining Stars of Sustainability

Interface Carpet of Atlanta, Georgia, is a leader in sustainability, reducing manufacturing waste by 77 percent since the mid-1990s and saving more than \$400 million while doing it. Interface began its journey to sustainability by focusing on the elimination of waste. At Interface, they define waste as anything that does not provide value to the customer. This includes traditional forms of waste such as off-quality and scrap materials and products, as well as nontraditional forms of waste such as overuse of materials, inventory losses, etc. The cumulative avoided costs from waste elimination activities since 1995 have totaled more than \$433 million. www.interfaceglobal.com/Newsroom/Ecometrics.aspx



As of May 2009, **Herman Miller** has reduced VOC air emissions by 93 percent, process water use by 78 percent, hazardous waste by 95 percent and solid waste disposal by 88 percent from 1994 levels. By making process and formula changes to their coating operation, Herman Miller has been able to eliminate the majority of its Title V air permits.

You can find Herman Miller's 2009 sustainability report titled, "Our Journey Toward a Better World Around You" at www.hermanmiller.com/MarketFacingTech/hmc/about_us/Environmental_Advocacy/2009_A_Better_World_Report.pdf.

Sustainability Keys for Businesses:

- Redesign processes, products and materials to create less waste and use less or non-toxic materials.
- Reduce water use throughout facility.
- Reduce and optimize energy use including: heat and cooling, manufacturing and production energy, etc.
- Re-evaluate purchasing decisions/policies and how they impact waste generation, energy consumption and water use.

Leading the Movement in Ohio

Melink Corporation. Milford, Ohio

Melink designed and constructed its own LEED-Gold certified headquarters in Cincinnati, Ohio in 2005. They lease a fleet of hybrid cars that achieve up to 50 mpg for its national network of employees. Melink provides incentives for employees to buy renewable energy improvements for their homes. Their building also earned an Energy Star rating of 97 and is on course to becoming a net zero energy building. Melink has also committed to reinvesting 5 percent of sales toward new product development in energy efficiency and renewable energy.

www.melinkcorp.com/Green_Features.php

Heapy Engineering. Dayton, Ohio

Heapy Engineering takes a comprehensive and integrated approach to Sustainable Design and the LEED program. Heapy personnel continuously receive Sustainable Design and LEED Program training.

www.heapy.com/services/leed-sustainability.html

Neaton Auto Products. Eaton, Ohio

Neaton Auto Products has made long-term reductions to hazardous waste and solid waste generation. They have significantly reduced energy usage and improved their profitability through cost savings.

www.epa.ohio.gov/portals/41/p2/neaton.pdf

Sustainability as a Capital Investment

How businesses meet the challenges of responding to social and environmental impacts has become an important economic indicator to the investment community. Rating systems and evaluation criteria have become important to many businesses in determining where they are positioned relative to other companies in their sector. These investment evaluation and rating systems illustrate the significance now being placed on social and environmental performance.



Dow Jones Sustainability Indexes (DJSI) - www.sustainability-indexes.com/

Launched in 1999, the Dow Jones Sustainability Indexes are the first global indexes tracking the financial performance of the leading sustainability-driven companies worldwide. According to DJSI, the quality of a company's strategy and management and its performance in dealing with opportunities and risks deriving from economic, environmental and social developments can be quantified and used to identify and select leading companies for investment purposes.

RiskMetrics Group - www.riskmetrics.com/sustainability

RiskMetrics specializes in analyzing companies' performance on environmental, social, and strategic governance issues, with a particular focus on their impact on competitiveness, profitability and share price performance.

Socially Responsible Investing (SRI)

First Affirmative Financial Network, LLC - www.firstaffirmative.com/

"Sustainable business initiatives are driving top line growth by encouraging innovation, increasing sales and improving customer retention. Many companies are now demonstrating how products and services that help customers reduce emissions, save money, lower risks and enjoy more healthful lives create real business opportunities."
— from its website

Progressive Asset Management (PAM) - www.progressive-asset.com/

"Finding factors (not recognized by the market) having an impact on the enterprise value of a company will add value to a client's portfolio. PAM's social screening methodology seeks to expose hidden risks and liabilities while also identifying quality management and governance practices. Our conclusion is that SRI incurs no financial sacrifice and, in some cases, can provide for additional portfolio value." — from its website

Sustainable/Green Business Resources

A New Mindset for Corporate Sustainability

www.resourcesaver.org/file/toolmanager/CustomO16C45F96851.pdf

Published by six academics from around the world, this BT and Cisco-sponsored white paper presents a concept of using corporate sustainability to lead innovation and benefit the environment, society and shareholders.

GreenBiz - www.greenbiz.com/

Provides daily updates and resources on green business and sustainable activities. GreenBiz is a comprehensive free web resource for companies looking to connect environmental business practices with business success.

State of Green Business 2010 - www.stateofgreenbusiness.com/

Report from GreenBiz that focuses on how U.S. businesses are doing in their quest to be greener and more environmentally responsible. It introduces a set of 20 indicators to measure and track progress.

Attaining Sustainable Growth through Corporate Social Responsibility

www-935.ibm.com/services/us/gbs/bus/pdf/gbe03019-usen-02.pdf

Examines three dynamics – impact, information and relationships – and makes recommendations that will help companies develop an integrated Corporate Social Responsibility (CSR) strategy. *From IBM Institute for Business Value.*

green@work magazine - www.greenatworkmag.com/

“A guide to the business world’s growing embrace of sustainability. It covers corporate responsibility from a positive point of view, relating best practices and demonstrating the growing business case for green strategies.” — NextStep Minnesota Sustainable Communities Network (www.nextstep.state.mn.us)

Ceres - www.ceres.org/

Ceres is a national network of investors, environmental organizations and other public interest groups working with companies and investors to address sustainability challenges such as global climate change. — *from its website*

McDonough Braungart Design Chemistry, LLC (MBDC)

Cradle to Cradle Certification - www.mbdcc.com

“Provides a company with a means to tangibly, credibly measure achievement in environmentally intelligent design and helps customers purchase and specify products that are pursuing a broader definition of quality. This means using environmentally safe and healthy materials; designing for material re-utilization, such as recycling or composting; using renewable energy and energy efficiency; efficiently using water, and maximum water quality associated with production; and instituting strategies for social responsibility.” — *ASTM International (www.astm.org)*

Zero Emissions Research & Initiatives (ZERI) - www.zeri.org/

“ZERI is a global network of creative minds seeking solutions to world challenges. The common vision shared by the members of the ZERI family is to view waste as resource and seek solutions using nature’s design principles as inspiration.” — *from its website*

Becoming More Sustainable

Here are some common categories that your company can use to make significant improvements to your “triple bottom line” performance.

Commitment

Re-assess your environmental and social impacts. A fresh look at your business model may identify opportunities or potential new markets. Make an organizational commitment to continuously improve in all areas. Sustainability is about the long-term survival of your business and your community.

Involvement

Involve all employees in evaluating ways to improve your performance and reduce long-term costs/risks. Through staff suggestions, companies have made impressive reductions in areas such as energy use, hazardous materials/wastes, water use, air emissions packaging and a lot more.

By involving all organizational levels, many companies have also experienced increased employee retention and higher productivity.

Measurement

Measurement and accountability are critical to all aspects of successful business. This is especially true of sustainability or green performance. Projects initiated to reduce materials use, emissions, etc., should be managed the same as any other manufacturing or service process. Companies that have achieved significant cost savings and waste reductions have integrated these aspects into their overall management strategies.

Rocky Mountain Institute (RMI) - www.rmi.org

RMI's mission is to drive the efficient and restorative use of resources. "At Rocky Mountain Institute we are practitioners, not theorists. We do solutions, not problems. We do transformation, not incrementalism." – Amory Lovins, Co-founder, Chairman and Chief Scientist, from its website

Recommended Reading

Natural Capitalism: Creating the Next Industrial Revolution

By Paul Hawken, Amory Lovins and Hunter Lovins

"*Natural Capitalism* describes a future in which business and environmental interests increasingly overlap, and in which businesses can better satisfy their customers' needs, increase profits, and help solve environmental problems all at the same time." — *GreenerBuildings* (www.natcap.org/)

The Ecology of Commerce: A Declaration of Sustainability

By Paul Hawken

"*The Ecology of Commerce* outlines the environmentally destructive aspects of many current business practices, but offers the vision of businesses adopting new practices to promote environmental restoration." — *Eco Books* (www.ecobooks.com/books/ecommerc.htm)

Cradle to Cradle- Remaking the Way We Make Things

By William McDonough & Michael Braungart

"The Cradle to Cradle Design paradigm is powering the Next Industrial Revolution, in which products and services are designed based on patterns found in nature, eliminating the concept of waste entirely and creating an abundance that is healthy and sustaining." — *McDonough Braungart Design Chemistry* (www.mbdc.com)



Ohio Sustainability Contacts

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Meera Pathasarathy, Columbus Green Building Forum
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meera@cgbf.org
(614) 855-8085

Scot Huffman, ZERI System Designer
www.zeri.us/people.htm
wshuffman@aol.com

Center for Resilience at The Ohio State University
Dr. Joseph Fiksel
(614) 688-8155
www.resilience.osu.edu
fiksel.2@osu.edu

Andrew Watterson, City of Cleveland - Chief of Sustainability
www.city.cleveland.oh.us/CityofCleveland/Home/Government/CityAgencies/PublicUtilities/Sustainability
awatterson@city.cleveland.oh.us
(216) 664-2220

Erin Miller
City of Columbus - Environmental Steward
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Aparna Dial

Ohio State University - Director of Energy Services and Sustainability - www.fod.osu.edu/ess/
dial.15@osu.edu
(614) 292-3557

Shawn P. Tubb

University of Cincinnati - Sustainability Coordinator
www.uc.edu/af/sustainability/default.html
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(513) 378-1359

Melanie Knowles

Kent State University - Sustainability Manager
www.kent.edu/sustainability/index.cfm
mknowle1@kent.edu
(330) 672-8039

Operations Plan(Security & Infrastructure Records)

D-11.1 By selecting "Yes", the Applicant attests that all responses identified as containing security and infrastructure are voluntarily submitted to the State Board of Pharmacy in expectation of a protection from disclosure as provided by [section 149.433 of the Revised Code](#).

YES

Patient Care(Staff Education and Training)

E-1.1 Describe the Applicant's education and training plan and how it will meet the foundational and ongoing training required for dispensary employees to be authorized to dispense medical marijuana. Include a summary of the substantive training content, the number of hours each dispensary employee will receive for each mandatory training requirement, the number of training hours each dispensary employee will receive for any elective training, and the anticipated source of each type of training described. [OAC 3796:6-3-19](#)

[Redacted content]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

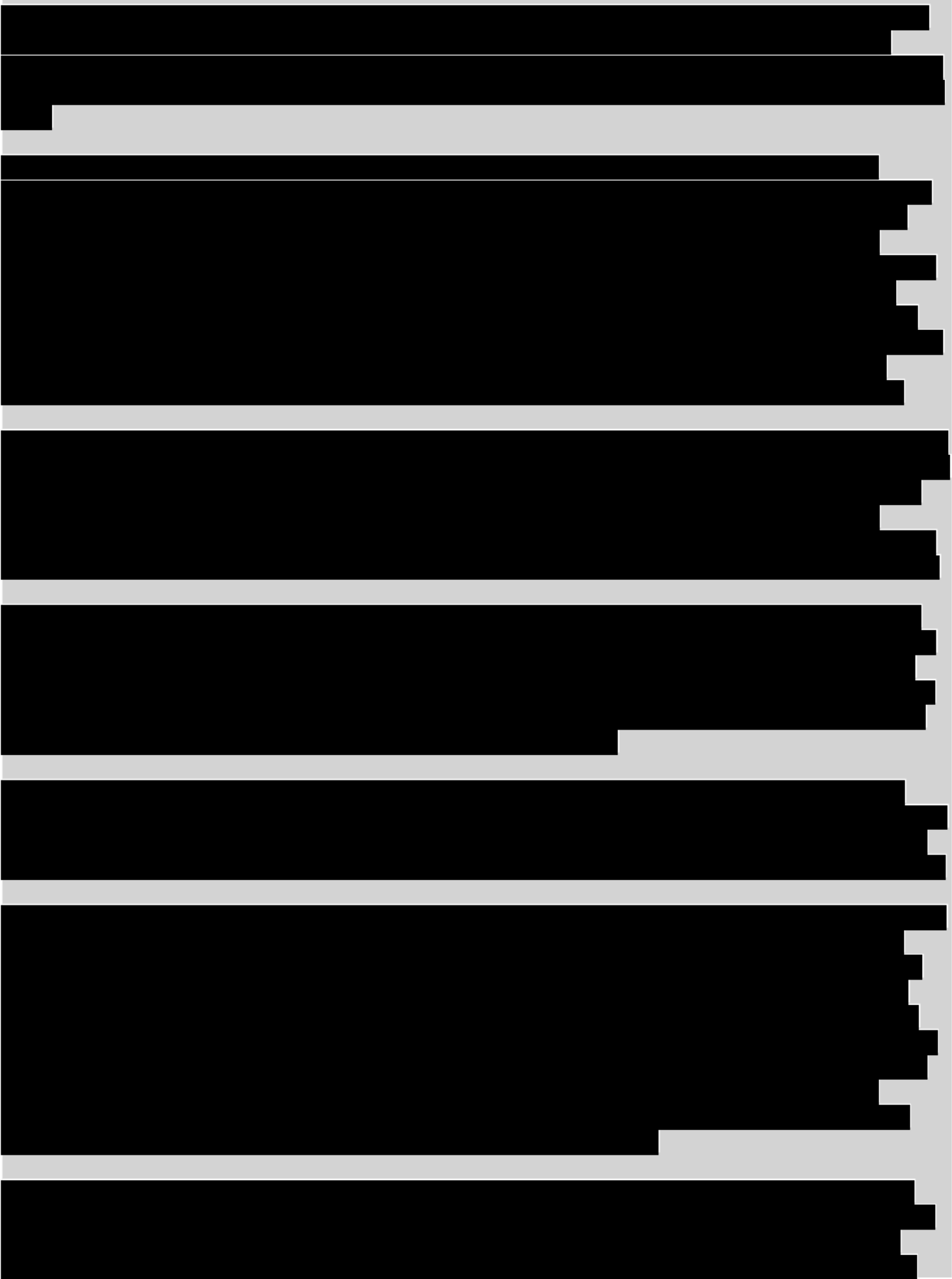
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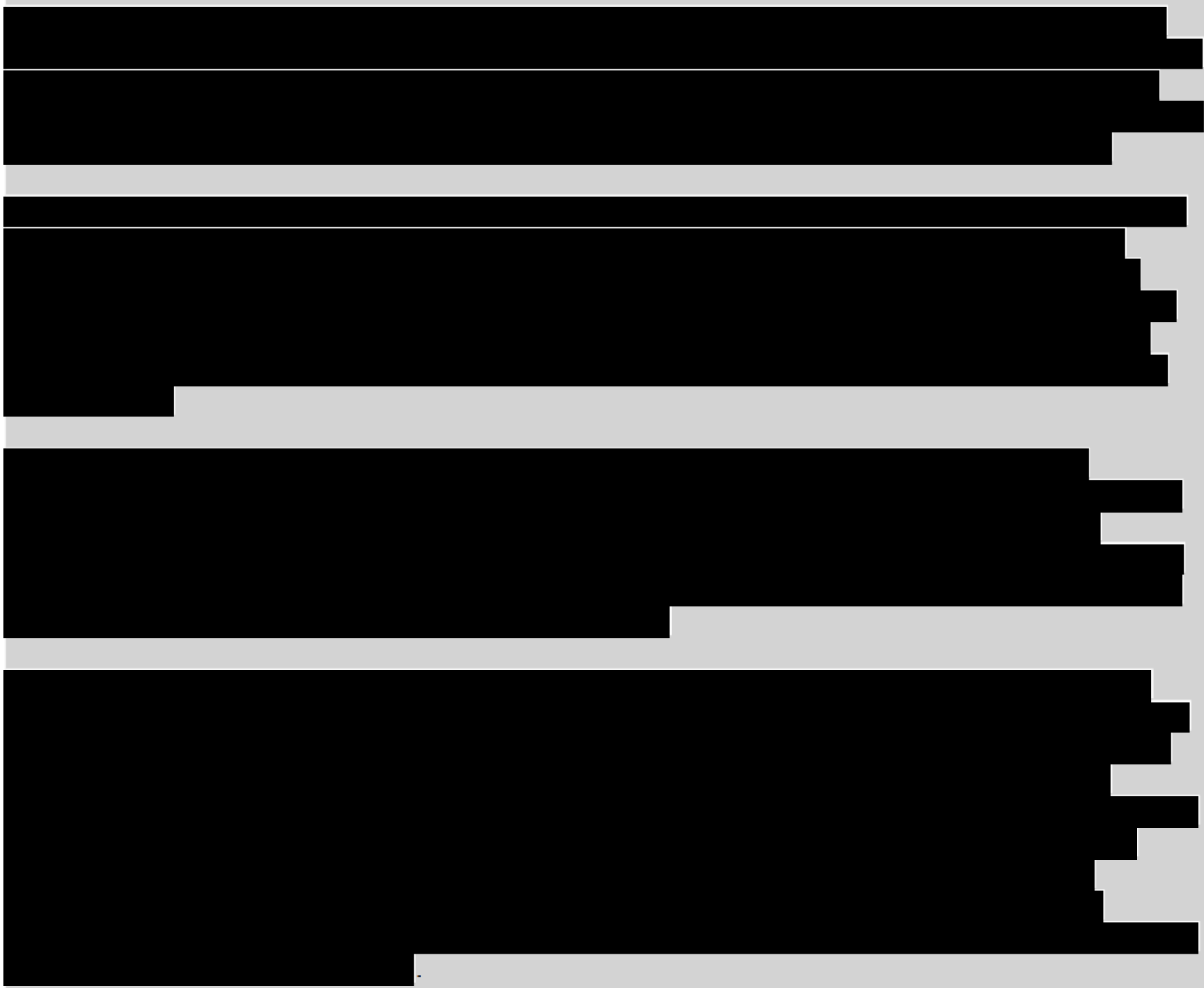
E-1.1.1 Applicants may include images or diagrams, in PDF format, demonstrating the measures described in E-1.1. The images or diagrams may contain a brief descriptive caption. Additional language responding to the question will not be considered.

No response provided by applicant

E-1.2 Summarize how the Applicant's training plan will identify and incorporate advancements in medical marijuana research. Include a description of the frequency with which the training plan will be updated, how new information will be incorporated into the training plan, the method for providing updated training to dispensary employees, and the frequency with which updated training will be provided to dispensary employees. [OAC 3796:6-3-19](#)

[REDACTED]





E-1.2.1 Applicants may include images or diagrams, in PDF format, demonstrating the measures described in E-1.2. The images or diagrams may contain a brief descriptive caption. Additional language responding to the question will not be considered.

No response provided by applicant

Patient Care(Patient Care and Education)

E-2.1 Describe how dispensary employees will be trained to provide patient education regarding:

1. Recognizing the signs of abuse or adverse events in the medical use of marijuana
2. Instruction on use of medical marijuana to treat a qualifying condition
3. Risks associated with medical marijuana, including possible drug interactions
4. Guidelines for support to patients related to the patient's symptoms
5. Guidelines for refusing to provide medical marijuana to an individual who appears to be impaired or abusing medical marijuana. Include the sources of the training and the sources' qualifications to provide such training.

Please reference [OAC 3796:6-3-19](#) for more information.

[Redacted content]

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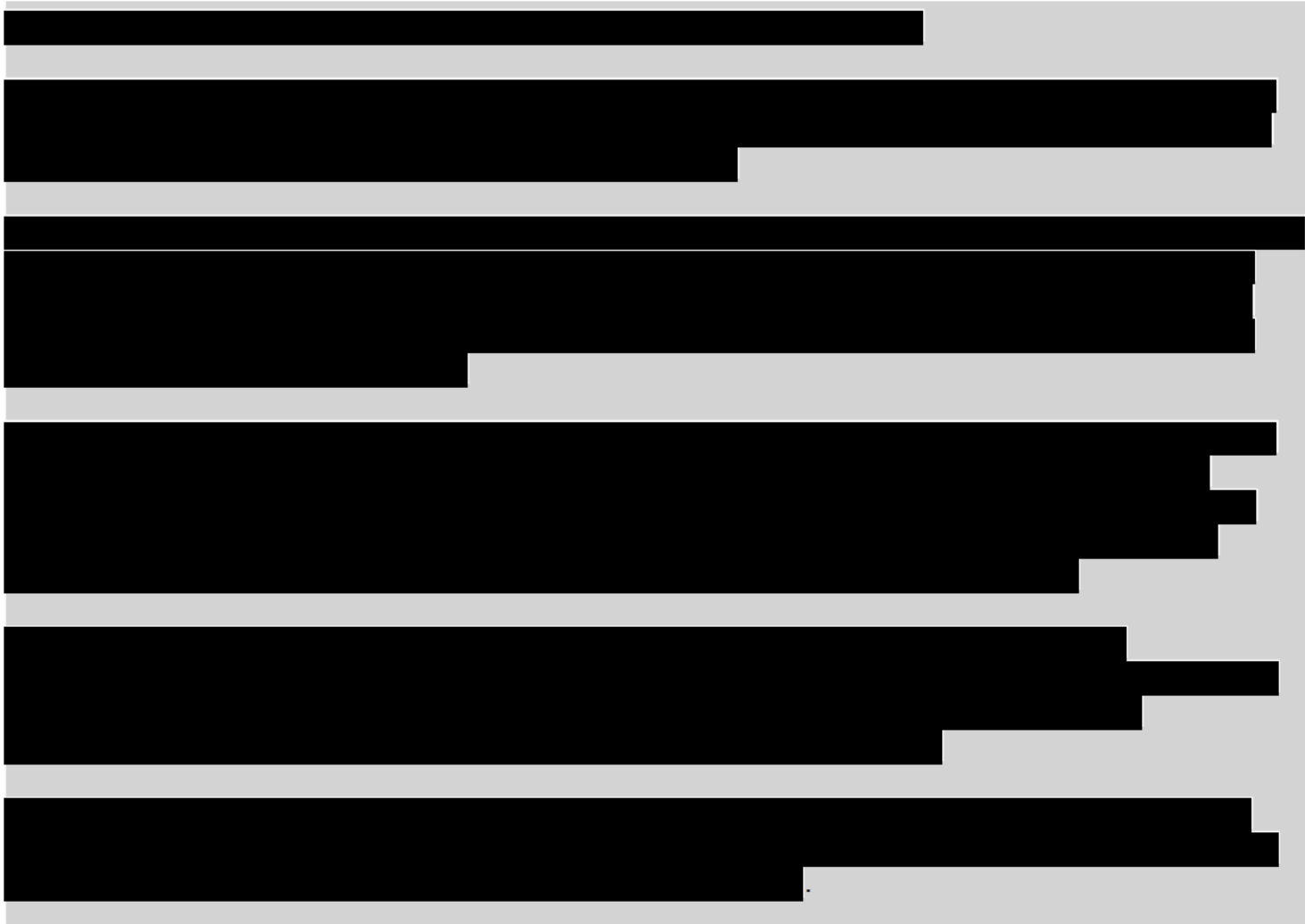
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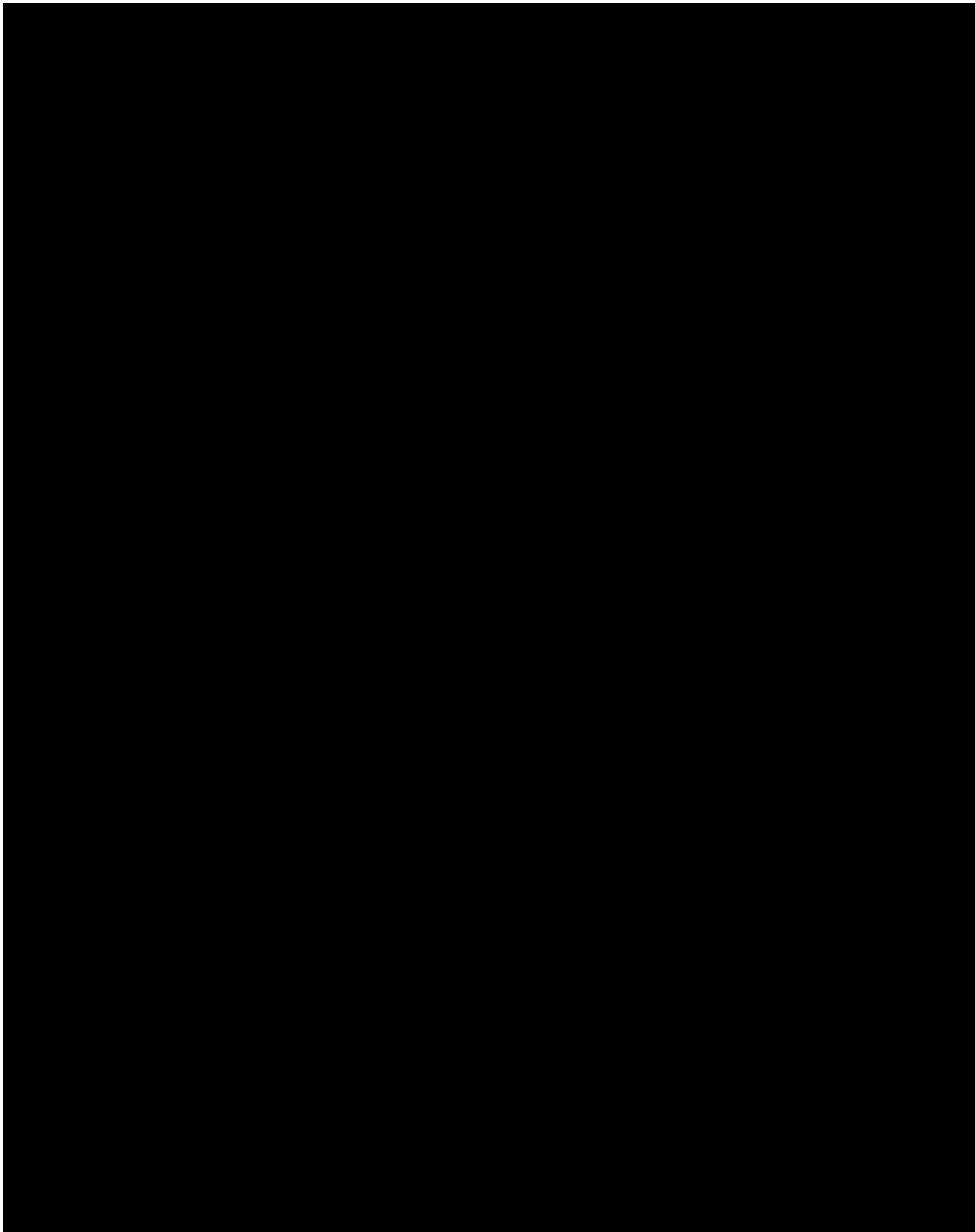
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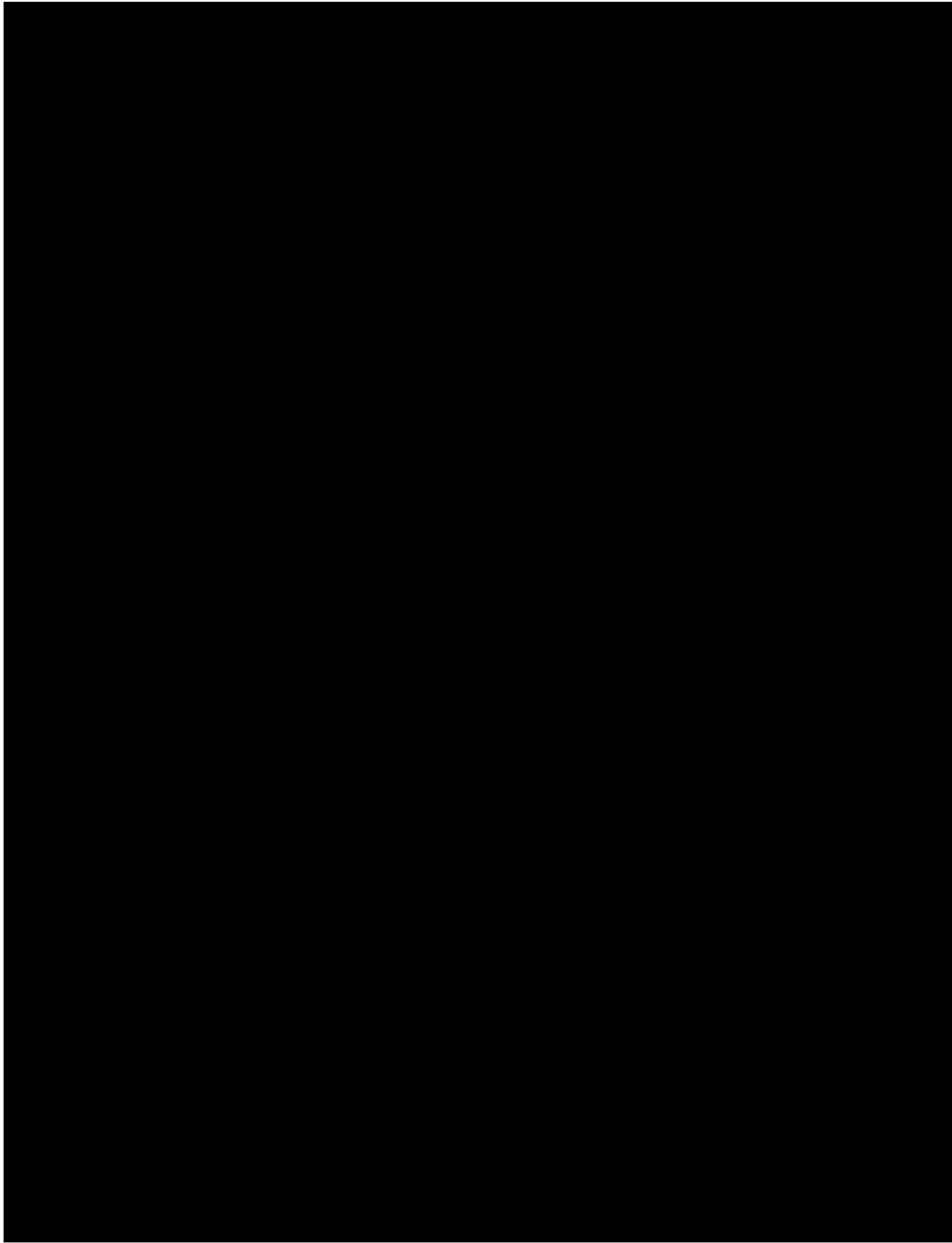
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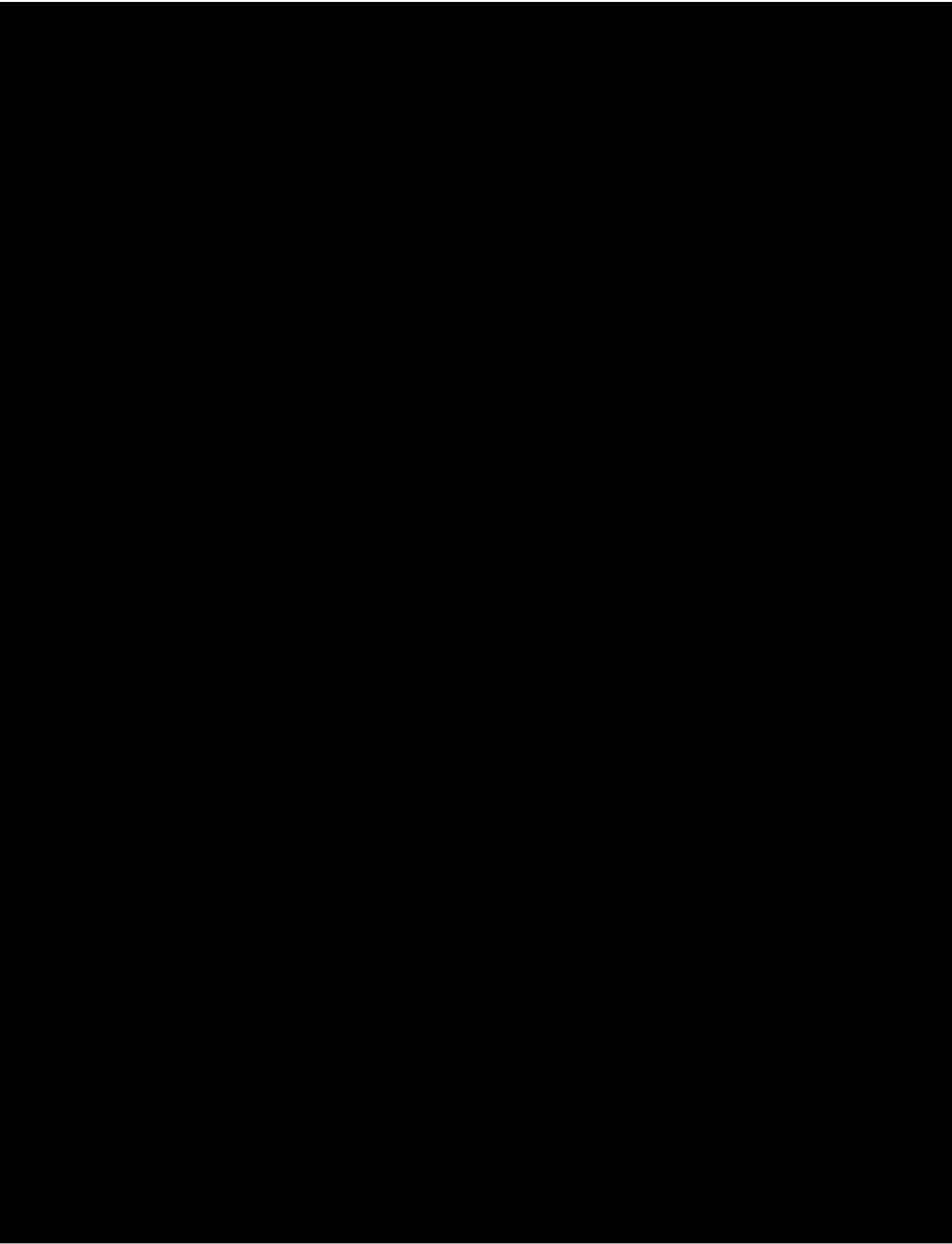


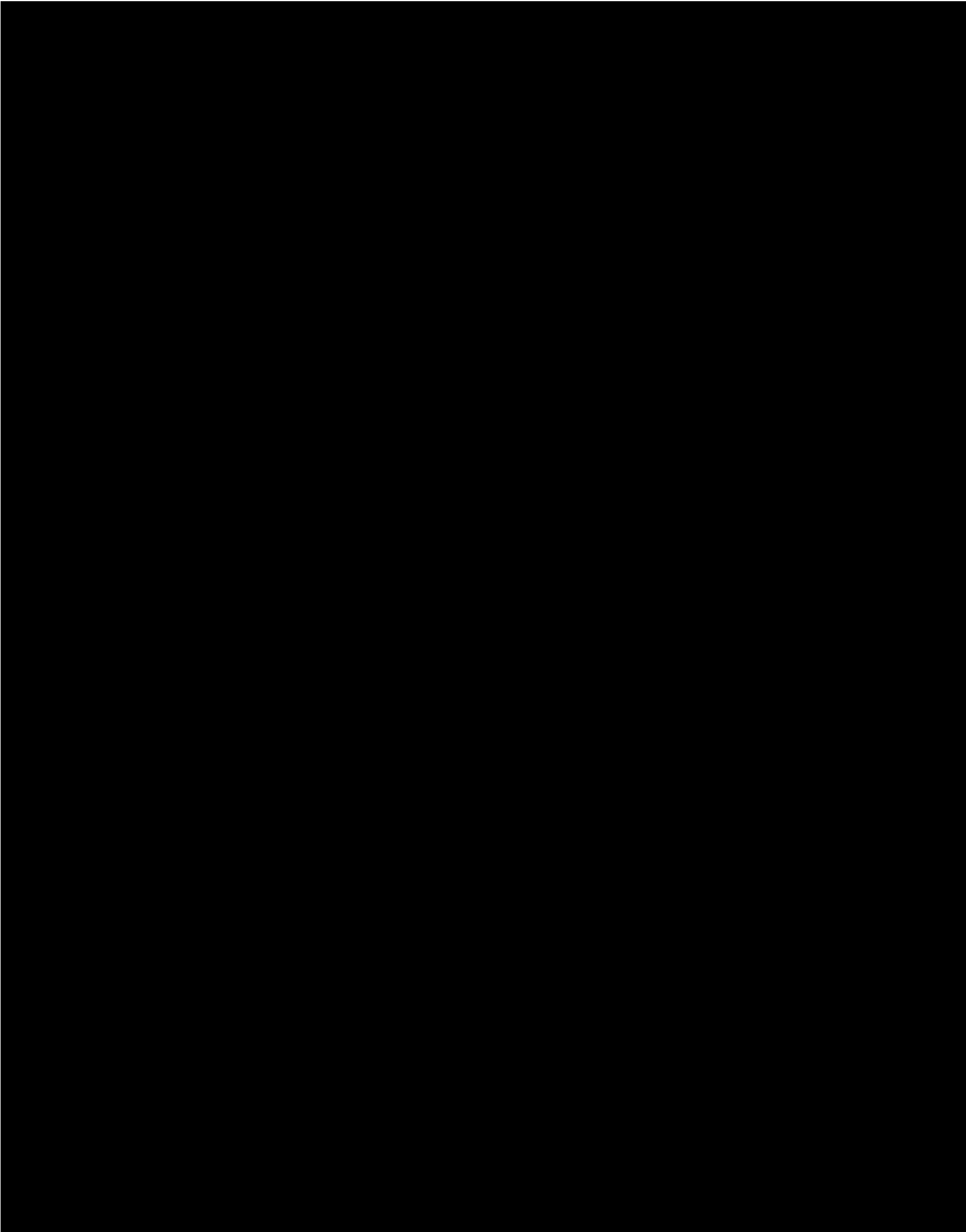
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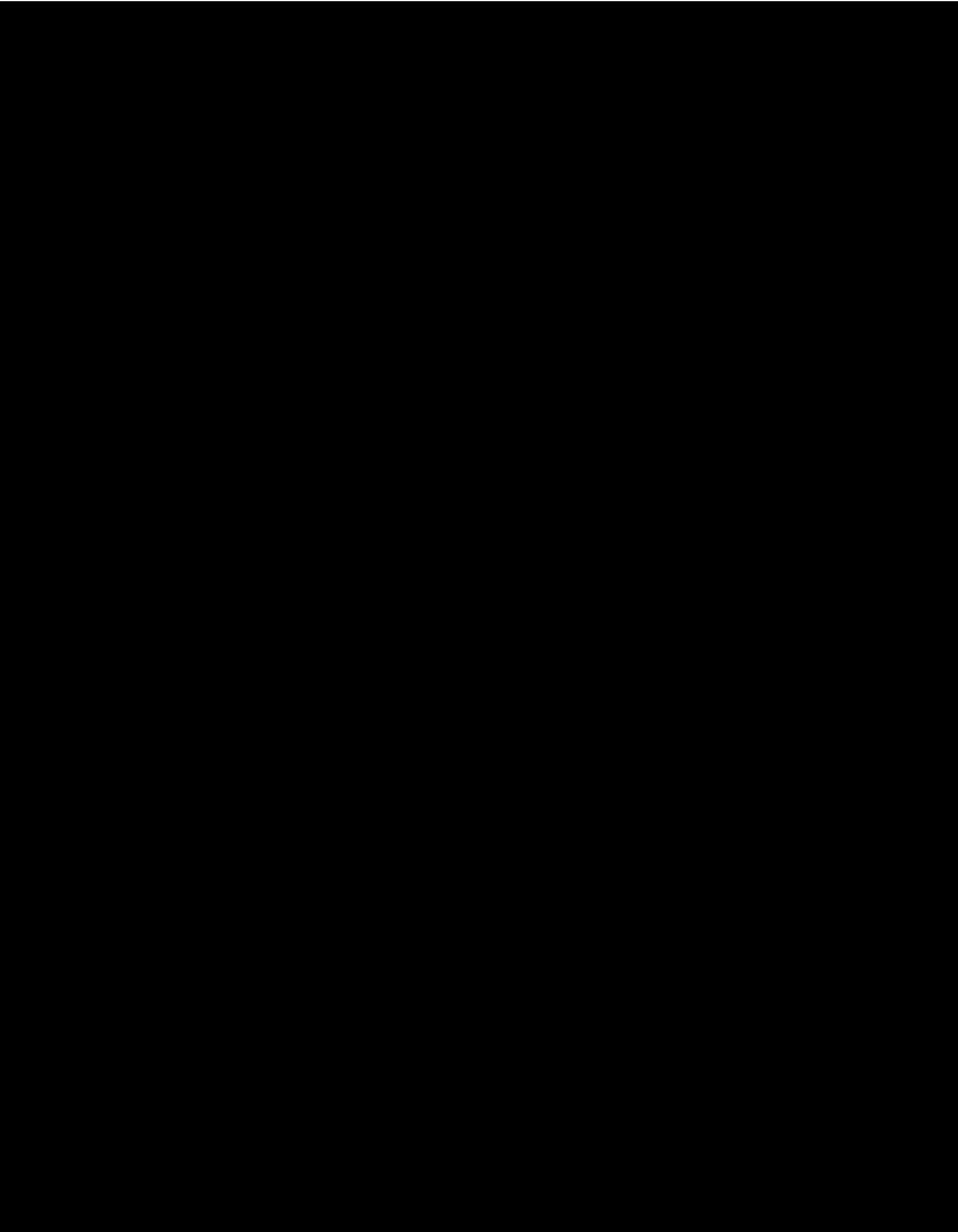
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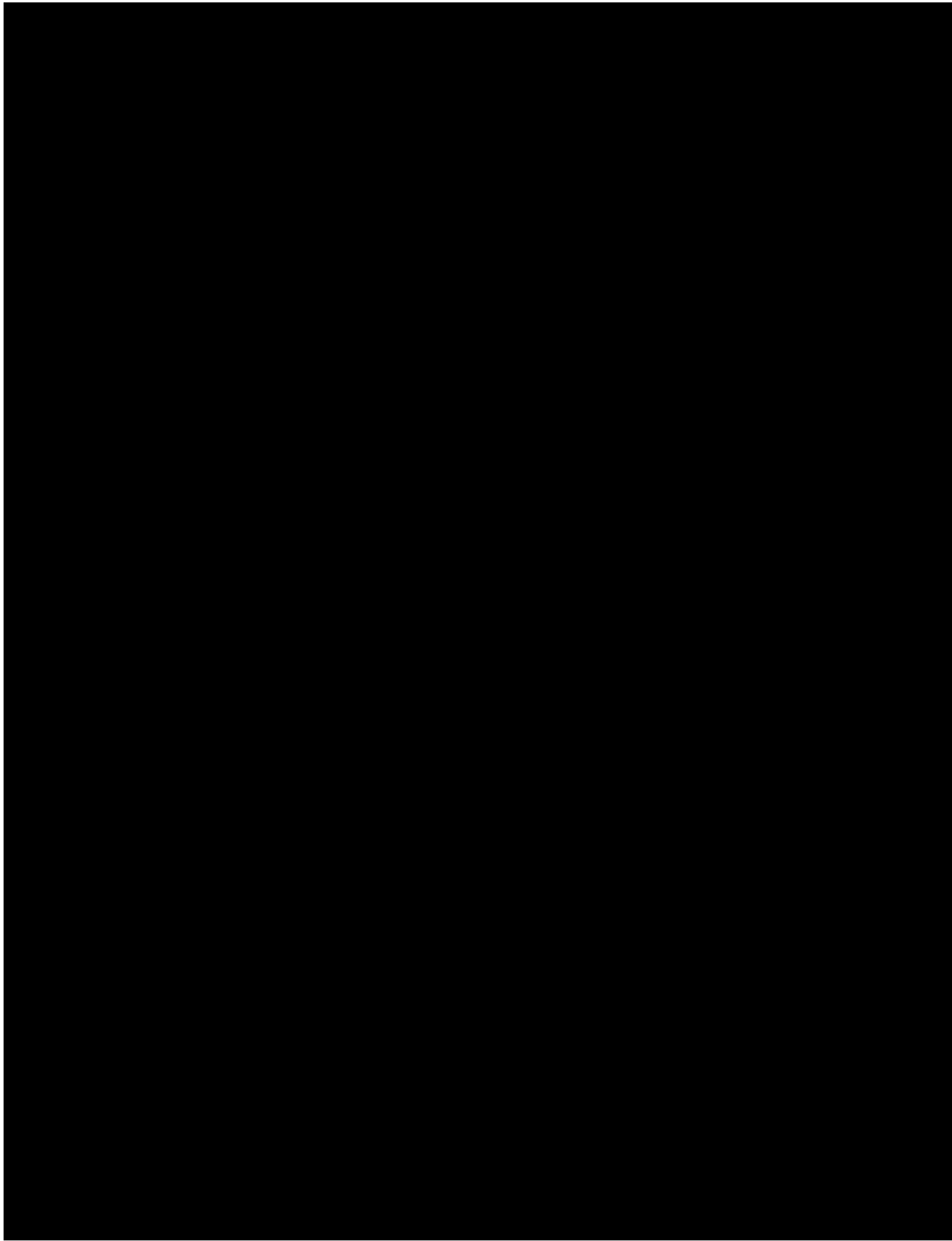


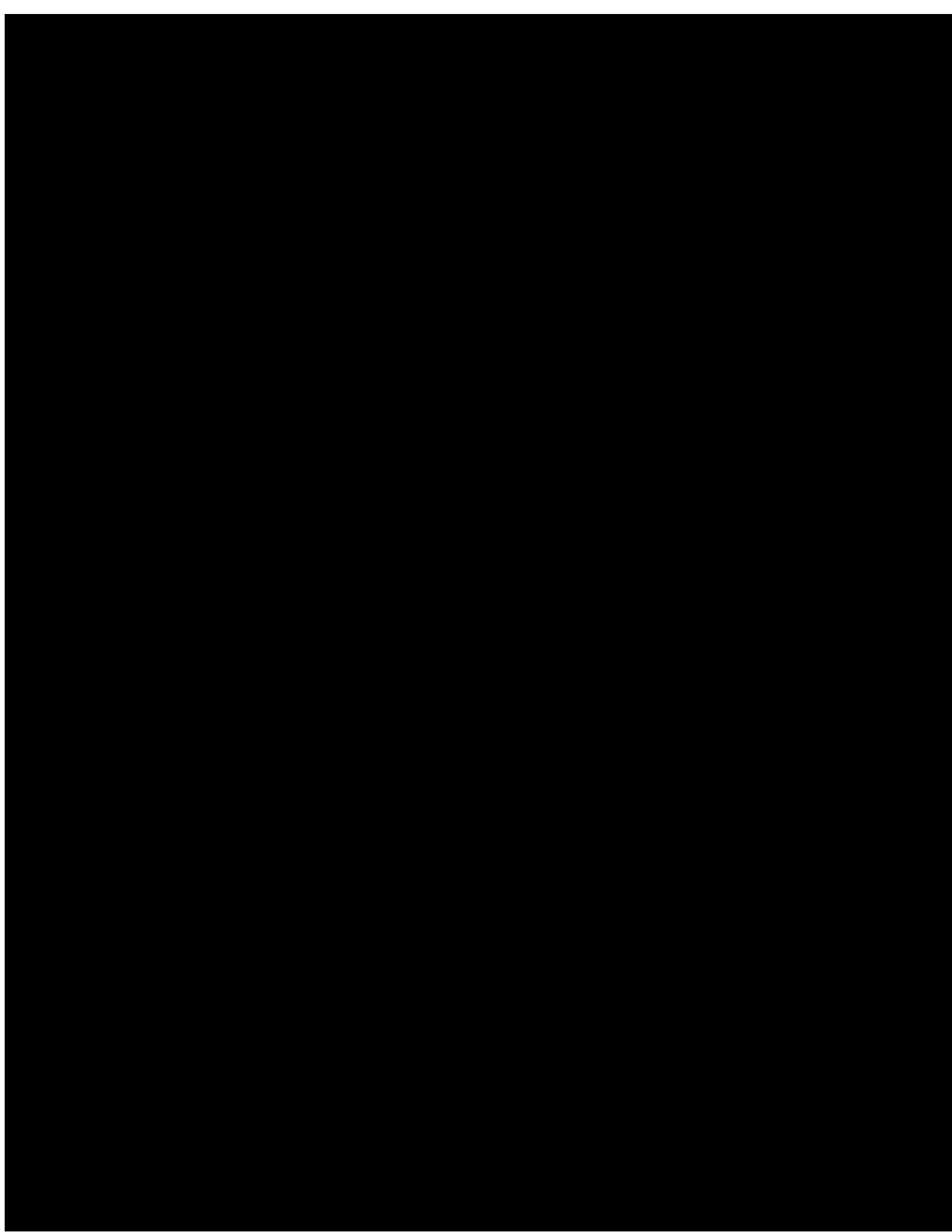


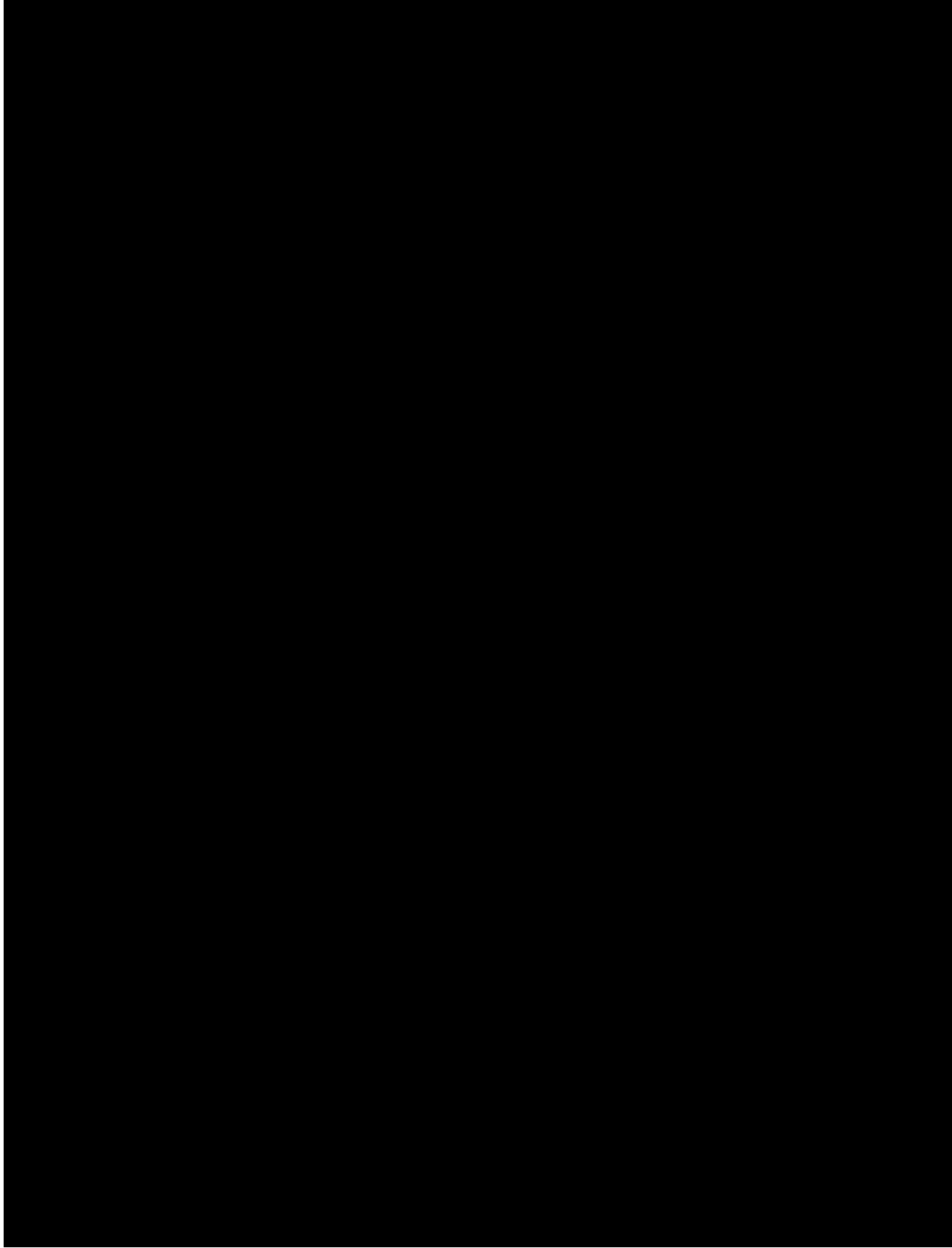


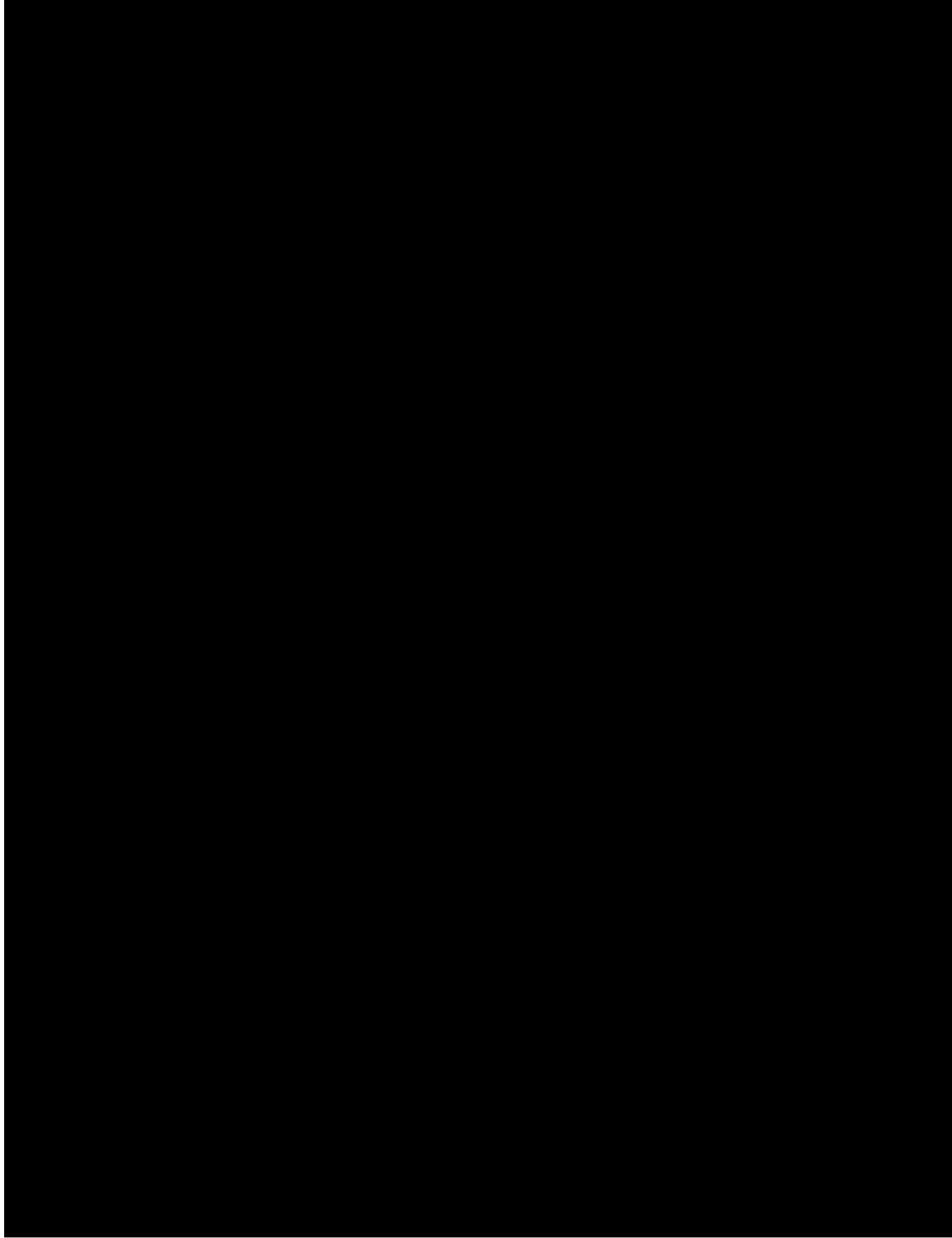


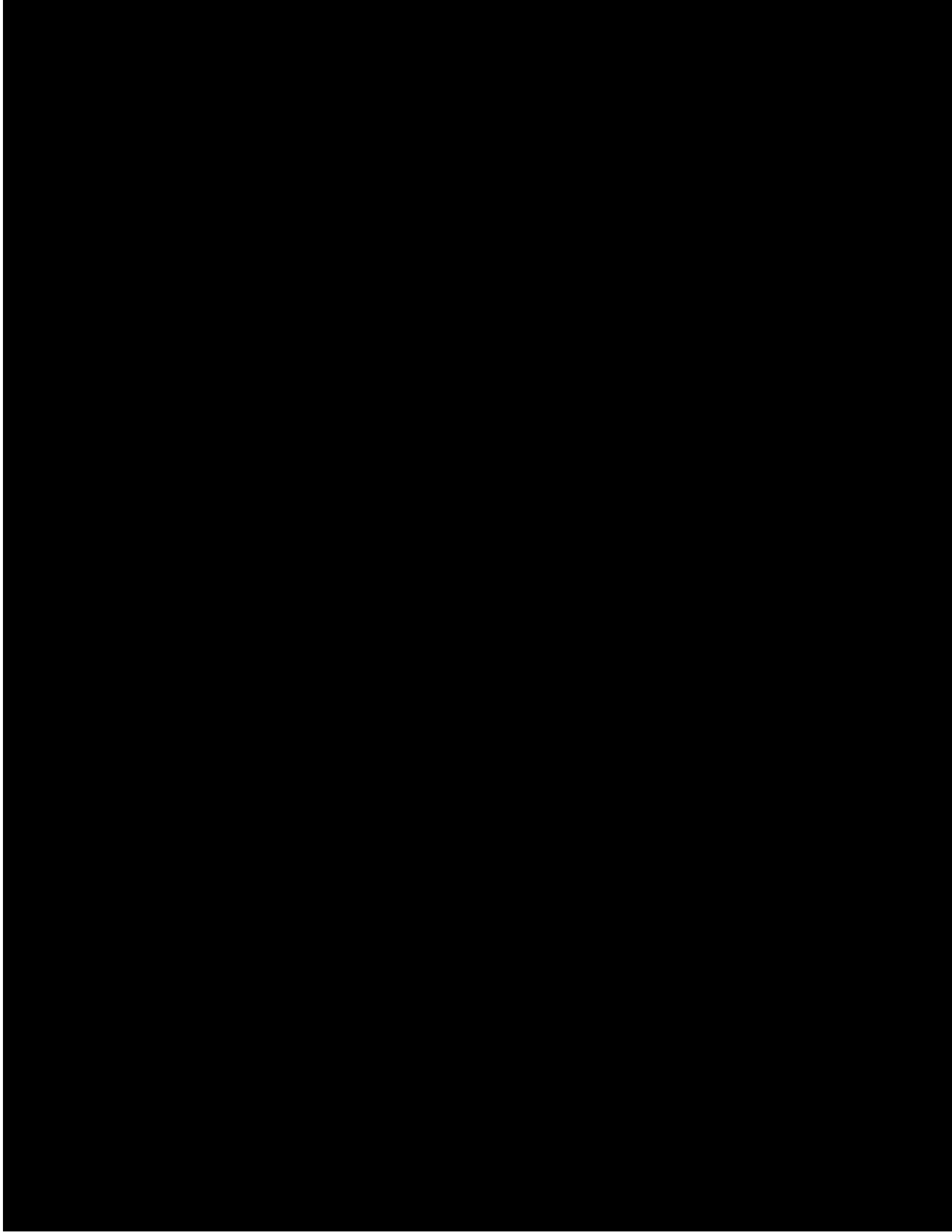


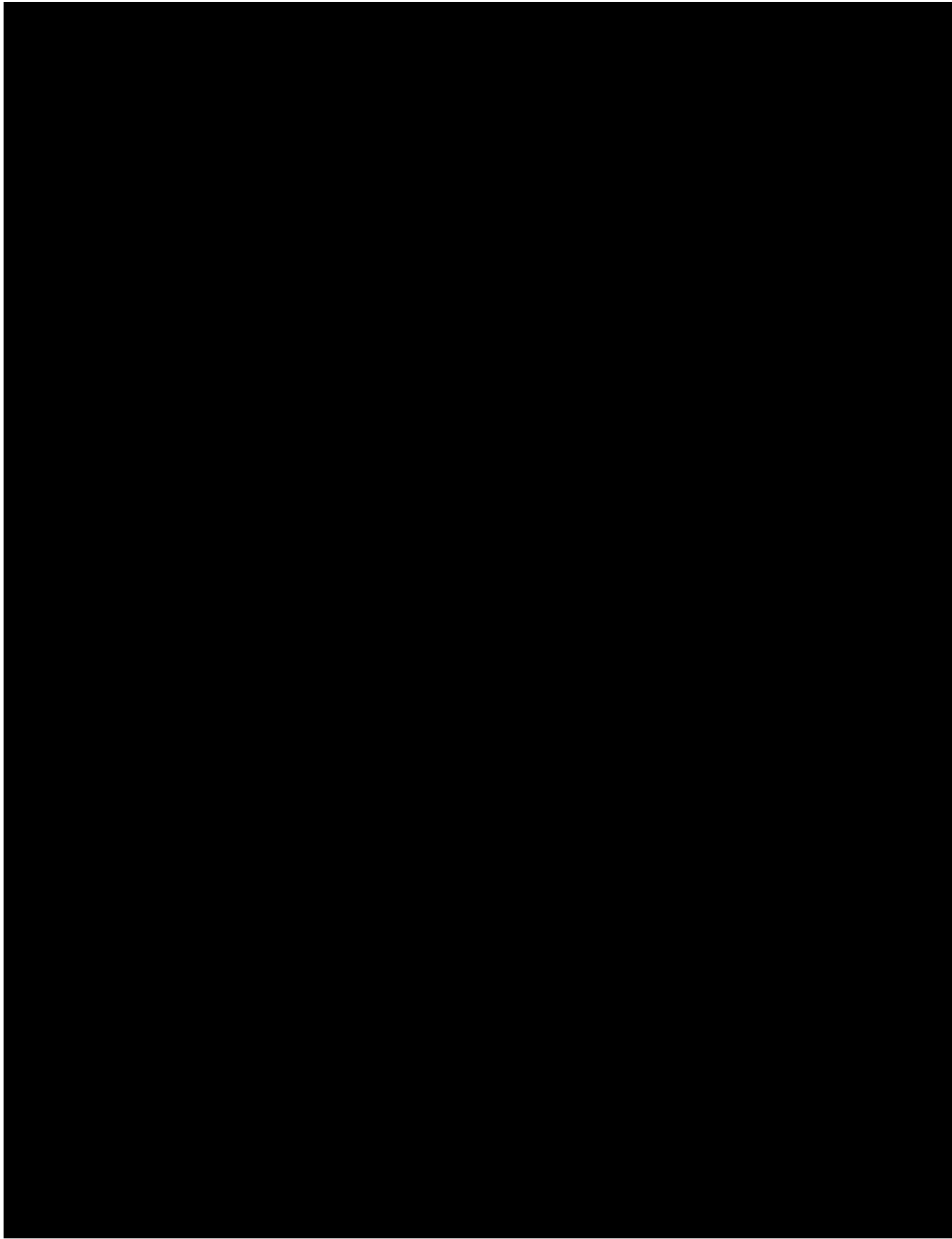


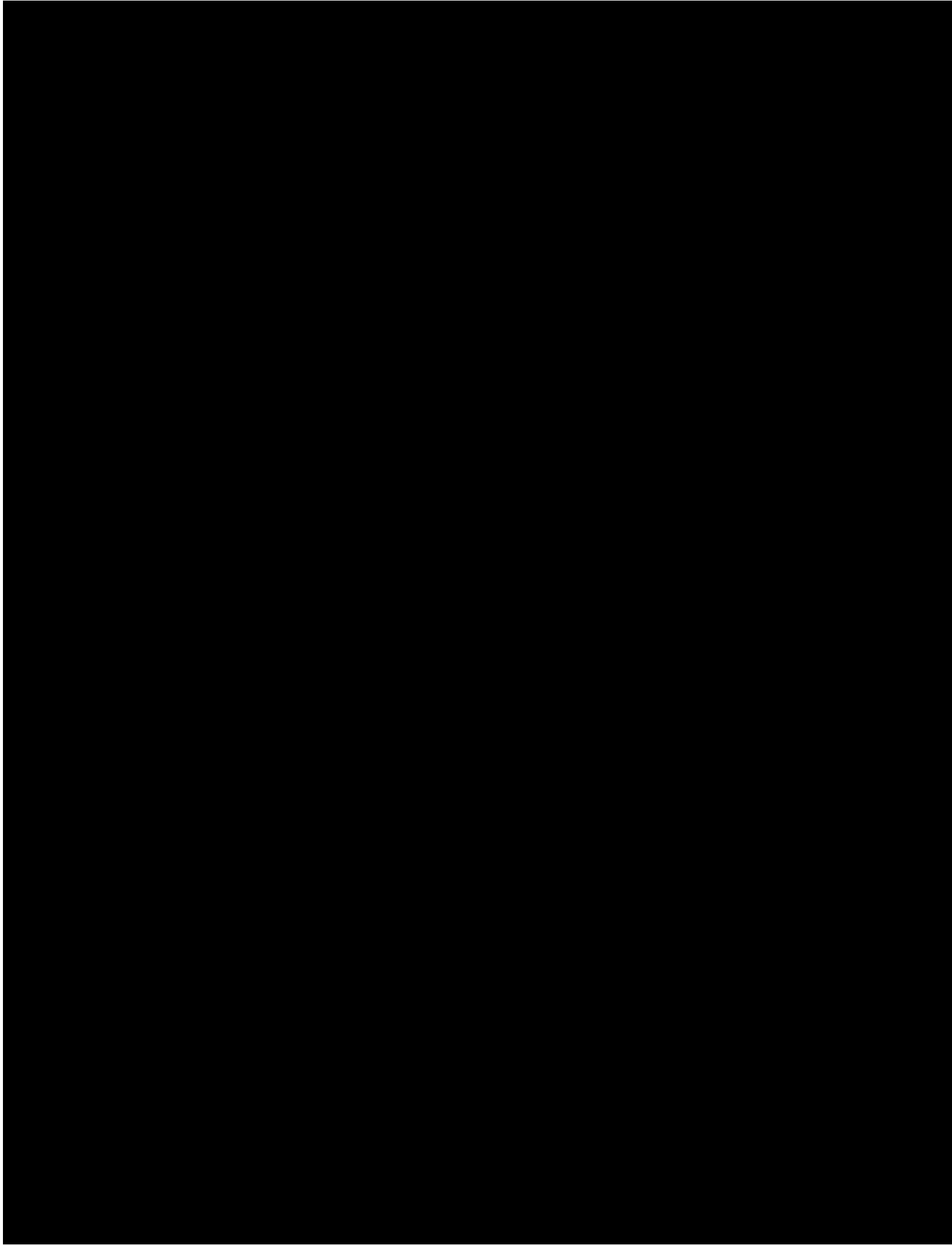


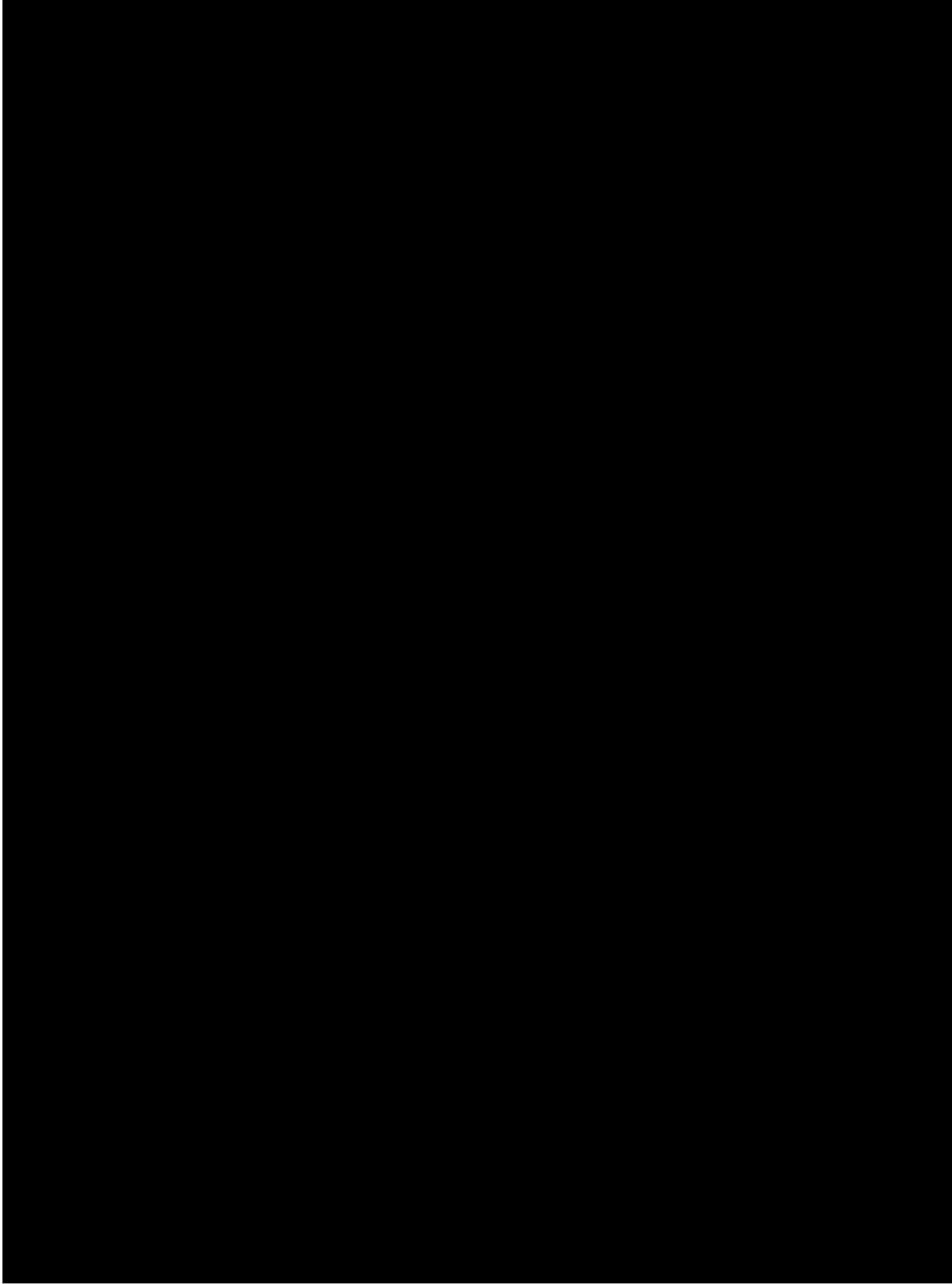


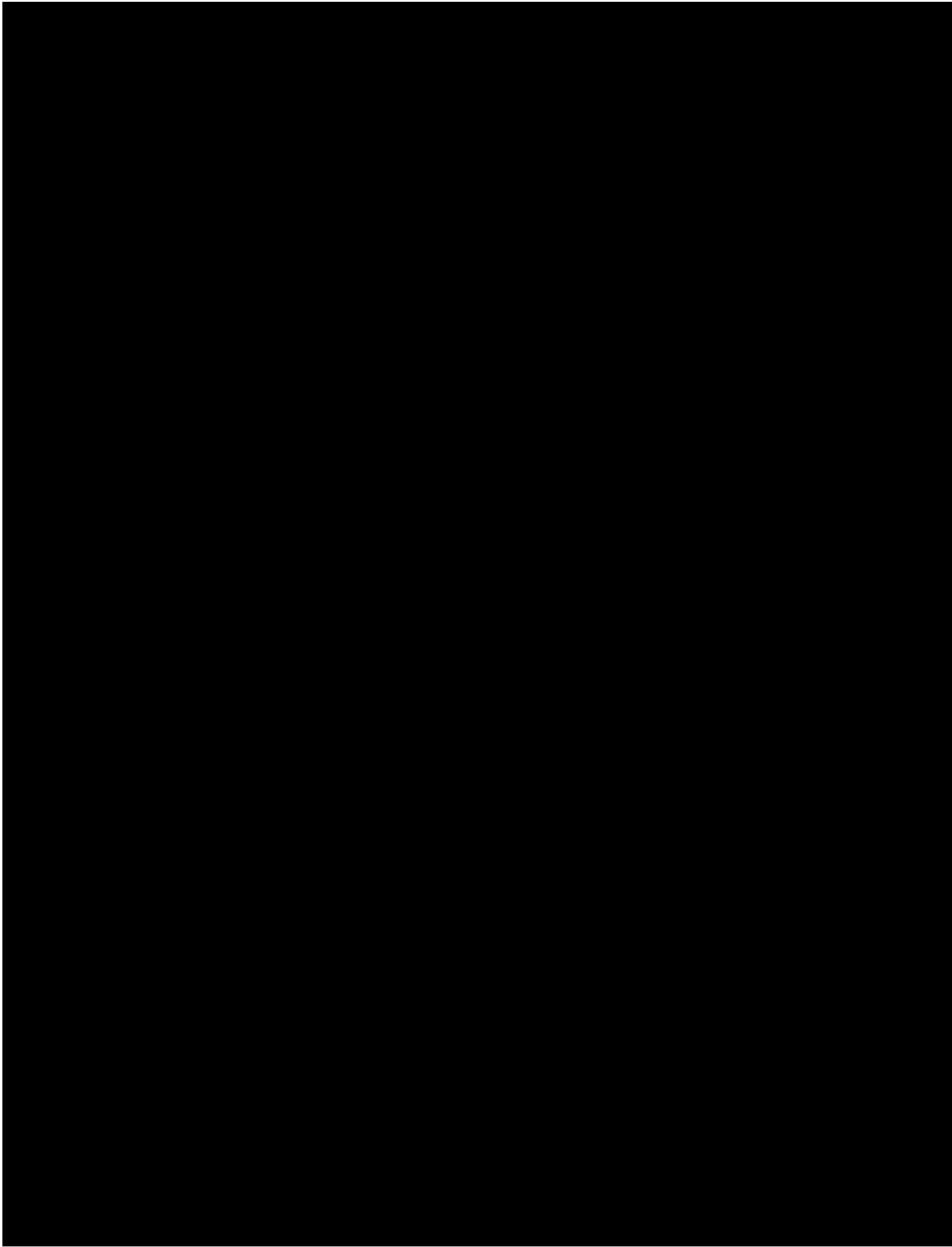












E-2.2 Describe the Applicant's processes, procedures and controls addressing reports of adverse events. Include, at a minimum, a description of:

1. How reports will be documented
2. The circumstances that will require reports of adverse events will be reported to a cultivator, processor, and / or the State Board of Pharmacy
3. The time frame for which to provide such reports

[Redacted content]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

Patient Care(Patient Care Facilities)

E-3.1 Describe the adequacy of the size of the proposed dispensary to serve the needs of patients and caregivers, including building and construction plans with supporting details. Such plans shall illustrate, at a minimum, the size and location of the following within the prospective dispensary location:

1. The dispensary department
2. Restricted access areas
3. Waiting room
4. Patient care areas or other areas designated for patient and caregiver consultation and instruction. Include a summary of the patient flow through each area, the maximum patient and caregiver occupancy in each area at any given time, the amount of time the Applicant expects to interact with both new and returning patients, and the number of dispensary employees who will staff each area

Please reference [OAC 3796:6-2-02](#) for more information.

[Redacted content]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

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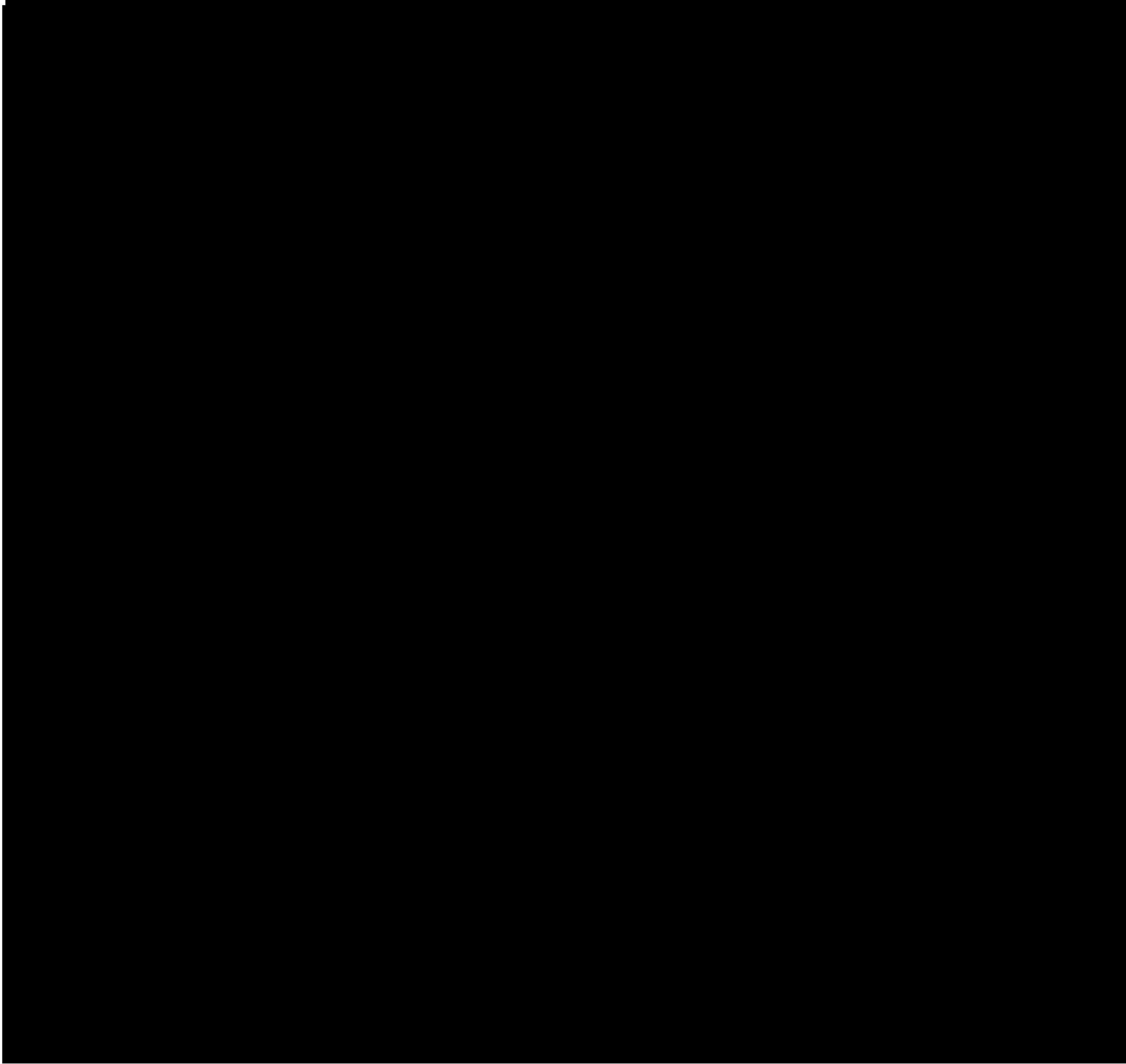
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[REDACTED]

E-3.1.1 Applicants may include images or diagrams, in PDF format, demonstrating the measures described in E-3.1. The images or diagrams may contain a brief descriptive caption. Additional language responding to the question will not be considered.

Uploaded Document Name: **E-3.1.1_Patient Care Facilities.pdf**

NOTE: This applicant uploaded document is the next 1 page(s) of this document.



Patient Care(Dispensary Operating Hours)

E-4.1 By selecting "Yes", the Applicant attests that it will make the dispensary available to patients and caregivers to purchase medical marijuana for a minimum of 35 hours per week, between the hours of 7 am and 9 pm, except as authorized by State Board of Pharmacy. [OAC 3796:6-3-03](#)

YES

E-4.2 Provide the proposed hours of operation during which the prospective dispensary will available to dispense medical marijuana to patients and caregivers. (Information only) [OAC 3796:6-3-03](#)

MONDAY-SATURDAY 12:00 PM - 7:00 PM

Patient Care(Patient Information)

E-5.1 By selecting "Yes", the Applicant attests that it will post a sign directing patients and caregivers with medical marijuana inquiries or adverse reactions to the toll-free hotline established by the State Board of Pharmacy. [OAC 3796:6-3-15](#)

YES

E-5.2 By selecting "Yes", the Applicant attests that it will make information regarding the use and possession of medical marijuana available to patients and caregivers. The Applicant agrees to submit all such information to the State Board of Pharmacy prior to being provided to patients and caregivers. [OAC 3796:6-3-15](#)

YES

Attestations and Acknowledgements(Attestations and Acknowledgements)

F-1.1 Fill out and attach the "[Trade Secret Form](#)" to Question F-1.1, specifying the question and / or attachment references of the application submission that are exempt from disclosure under Ohio public records law and articulate how the information meets the definition of "trade secret" under [Ohio Revised Code section 1333.61\(D\)](#). If no material is designated as trade secret information, a statement of "None" should be listed on the form.

Uploaded Document Name: **F-1.1_Trade Secret Form.pdf**

NOTE: This applicant uploaded document is the next 4 page(s) of this document.



STATE OF
OHIO
BOARD OF PHARMACY

Ohio Medical Marijuana Control Program Dispensary Application



Trade Secret Form

(Attachment to Application Section F-1.1)

This form must be signed by an individual who may legally sign for the Applicant. The form must be printed and signed with an original, wet-ink signature. Electronic or digital signatures are not acceptable. Scan and attach a copy of the signed form, in PDF format, in response to Question F-1.1 of the online Application.

Business Name of Applicant: **127 OH, LLC D/B/A BLOOM MEDICINALS**

The undersigned is an Applicant for a medical marijuana Dispensary license. The Applicant understands that the State of Ohio Board of Pharmacy is an entity of the State of Ohio and any documents or data submitted to the State of Ohio may be disclosed by the State pursuant to an Ohio Public Records Act request.

While the Ohio Public Records Act permits certain exclusions from disclosure, Applicant understands the State makes no guarantee or promises that such data will not be disclosed. Applicant has reviewed the Ohio Public Records Act, as well as relevant case law.

Applicant understands that the documents or data it provides to the State of Ohio may not be confidential, or if confidential, may or may not be disclosed pursuant to an Ohio Public Records Act request.

Applicant understands that there are additional requirements in order to claim a trade secret record exception. Applicant understands that materials consisting of trade secrets must be clearly marked, specifying the pages of the application question, attachment name related to the material that is to be restricted and justifying the trade secret designation for each item.

Printed Name of Authorized Representative

NICOLE VAN RENSBURG

Signature

Date

11/16/2017



Ohio Medical Marijuana Control Program Dispensary Application



Question Number	Attachment Reference	Justification for Excluding as Trade Secret
C-2.1	C-2.1_Floorplan	Security and Infrastructure: this document contains proprietary information that "discloses the configuration of critical systems including, but not limited to, communication, computer, electrical, mechanical, ventilation, water, and plumbing systems, security codes, or the infrastructure or structural configuration of a building." The information contained in this document is shielded from public disclosure under ORC 149.433(A).
C-3.1.1	C-3.1_Business Plan	Trade Secret and Security and Infrastructure Document contains proprietary information integral to company's operations, including information which is shielded from public disclosure under ORC 149.433(A), and ORC 1333.61(D)(1-2) in that it represents "...the whole or any portion or phase of any scientific or technical information, design, process, procedure, formula, pattern, compilation, program, device, method, technique, or improvement, or any business information or plans, financial information, or listing of names, addresses, or telephone numbers, that satisfies both of the following: 1) It derives independent economic value, actual or potential, from not being generally known to, and not being readily ascertainable by proper means by, other persons who can obtain economic value from its disclosure or use; and 2) It is the subject of efforts that are reasonable under the circumstances to maintain its secrecy."
C-4.2	C-4.1_Table of Organization & Control	This document contains information which is shielded from public disclosure under ORC 1333.61(D)(1-2) in that it represents "...the whole or any portion or phase of any scientific or technical information, design, process, procedure, formula, pattern, compilation, program, device, method, technique, or improvement, or any business information or plans, financial information, or listing of names, addresses, or telephone numbers, that satisfies both of the following: 1) It derives independent economic value, actual or potential, from not being generally known to, and not being readily ascertainable by proper means by, other persons who can obtain economic value from its disclosure or use; and 2) It is the subject of efforts that are reasonable under the circumstances to maintain its secrecy."
C-5.5	C-5.5_Financial Statements	This document contains information which is shielded from public disclosure under ORC 1333.61(D)(1-2) in that it represents "...the whole or any portion or phase of any scientific or technical information, design, process, procedure, formula, pattern, compilation, program, device, method, technique, or improvement, or any business information or plans, financial information, or listing of names, addresses, or telephone numbers, that satisfies both of the following: 1) It derives independent economic value, actual or potential, from not being

		generally known to, and not being readily ascertainable by proper means by, other persons who can obtain economic value from its disclosure or use; and 2) It is the subject of efforts that are reasonable under the circumstances to maintain its secrecy."
D-2.2.1	D-2.2.1_Security Overlays	Security and Infrastructure: this document contains proprietary information that "discloses the configuration of critical systems including, but not limited to, communication, computer, electrical, mechanical, ventilation, water, and plumbing systems, security codes, or the infrastructure or structural configuration of a building." The information contained in this document is shielded from public disclosure under ORC 149.433(A).
D-3.3.1	D-3.3.1_Product Receipt Forms	This documents contains information protected from public disclosure under ORC 1333.61(D)(1-2) in that it represents "...the whole or any portion or phase of any scientific or technical information, design, process, procedure, formula, pattern, compilation, program, device, method, technique, or improvement, or any business information or plans, financial information, or listing of names, addresses, or telephone numbers, that satisfies both of the following: 1) It derives independent economic value, actual or potential, from not being generally known to, and not being readily ascertainable by proper means by, other persons who can obtain economic value from its disclosure or use; and 2) It is the subject of efforts that are reasonable under the circumstances to maintain its secrecy."
D-4.4.1	D-4.4.1_Equipment Cleaning Log	This documents contains information protected from public disclosure under ORC 1333.61(D)(1-2) in that it represents "...the whole or any portion or phase of any scientific or technical information, design, process, procedure, formula, pattern, compilation, program, device, method, technique, or improvement, or any business information or plans, financial information, or listing of names, addresses, or telephone numbers, that satisfies both of the following: 1) It derives independent economic value, actual or potential, from not being generally known to, and not being readily ascertainable by proper means by, other persons who can obtain economic value from its disclosure or use; and 2) It is the subject of efforts that are reasonable under the circumstances to maintain its secrecy."
D-5.5.1	D-5.5_Label Samples	This documents contains information protected from public disclosure under ORC 1333.61(D)(1-2) in that it represents "...the whole or any portion or phase of any scientific or technical information, design, process, procedure, formula, pattern, compilation, program, device, method, technique, or improvement, or any business information or plans, financial information, or listing of names, addresses, or telephone numbers, that satisfies both of the following: 1) It derives independent economic value, actual or potential, from not being generally known to, and not being readily ascertainable by proper means by, other persons who can obtain economic value from its disclosure or use; and 2) It is the subject of efforts that are reasonable under the circumstances to maintain its secrecy."
D-6.8.1	D-6.8_Product Recall Intake Form	This documents contains information protected from public disclosure under ORC 1333.61(D)(1-2) in that it represents "...the whole or any portion or phase of any

		scientific or technical information, design, process, procedure, formula, pattern, compilation, program, device, method, technique, or improvement, or any business information or plans, financial information, or listing of names, addresses, or telephone numbers, that satisfies both of the following: 1) It derives independent economic value, actual or potential, from not being generally known to, and not being readily ascertainable by proper means by, other persons who can obtain economic value from its disclosure or use; and 2) It is the subject of efforts that are reasonable under the circumstances to maintain its secrecy."
D-6.9.1	D-6.9_Dispossession and Disposal Product Return Form	Security and Infrastructure: this document contains proprietary information that "discloses the configuration of critical systems including, but not limited to, communication, computer, electrical, mechanical, ventilation, water, and plumbing systems, security codes, or the infrastructure or structural configuration of a building." The information contained in this document is shielded from public disclosure under ORC 149.433(A).
D-10.1.1	D-10.1_Medical Marijuana Educational Presentation	This documents contains information protected from public disclosure under ORC 1333.61(D)(1-2) in that it represents "...the whole or any portion or phase of any scientific or technical information, design, process, procedure, formula, pattern, compilation, program, device, method, technique, or improvement, or any business information or plans, financial information, or listing of names, addresses, or telephone numbers, that satisfies both of the following: 1) It derives independent economic value, actual or potential, from not being generally known to, and not being readily ascertainable by proper means by, other persons who can obtain economic value from its disclosure or use; and 2) It is the subject of efforts that are reasonable under the circumstances to maintain its secrecy."
E-2.1.1	E-2.1_Patient Care	This documents contains information protected from public disclosure under ORC 1333.61(D)(1-2) in that it represents "...the whole or any portion or phase of any scientific or technical information, design, process, procedure, formula, pattern, compilation, program, device, method, technique, or improvement, or any business information or plans, financial information, or listing of names, addresses, or telephone numbers, that satisfies both of the following: 1) It derives independent economic value, actual or potential, from not being generally known to, and not being readily ascertainable by proper means by, other persons who can obtain economic value from its disclosure or use; and 2) It is the subject of efforts that are reasonable under the circumstances to maintain its secrecy."
E-3.1.1	E-3.1_Patient Care Facilities	Security and Infrastructure: this document contains proprietary information that "discloses the configuration of critical systems including, but not limited to, communication, computer, electrical, mechanical, ventilation, water, and plumbing systems, security codes, or the infrastructure or structural configuration of a building." The information contained in this document is shielded from public disclosure under ORC 149.433(A).

F-1.2 To be considered complete, each application must be submitted with an Attestation and Release Authorization. The form must be completed by a Prospective Associated Key Employee who may legally sign for the Applicant and who can verify the information provided in the application is true, correct, and complete.

This response has been entirely redacted