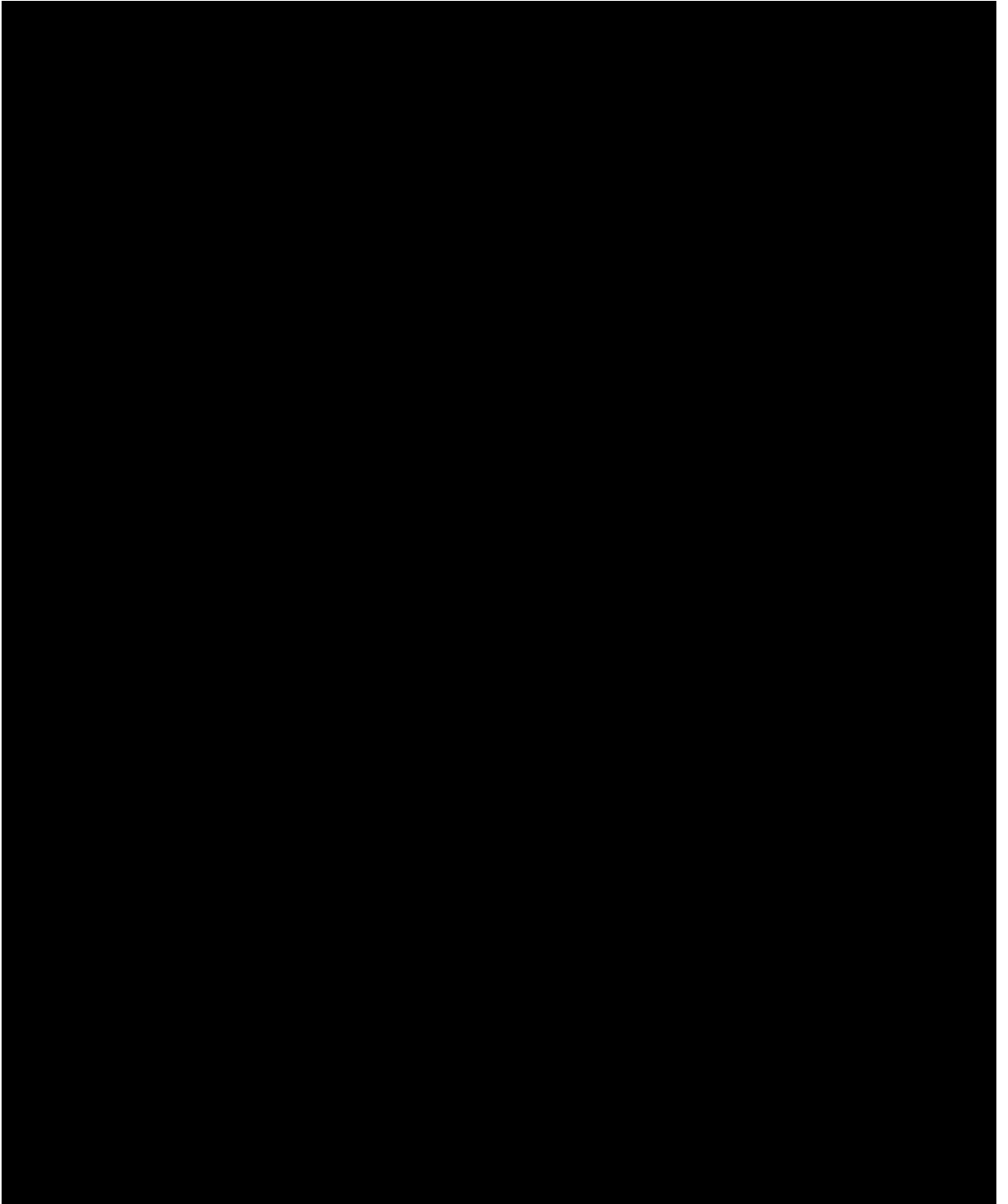


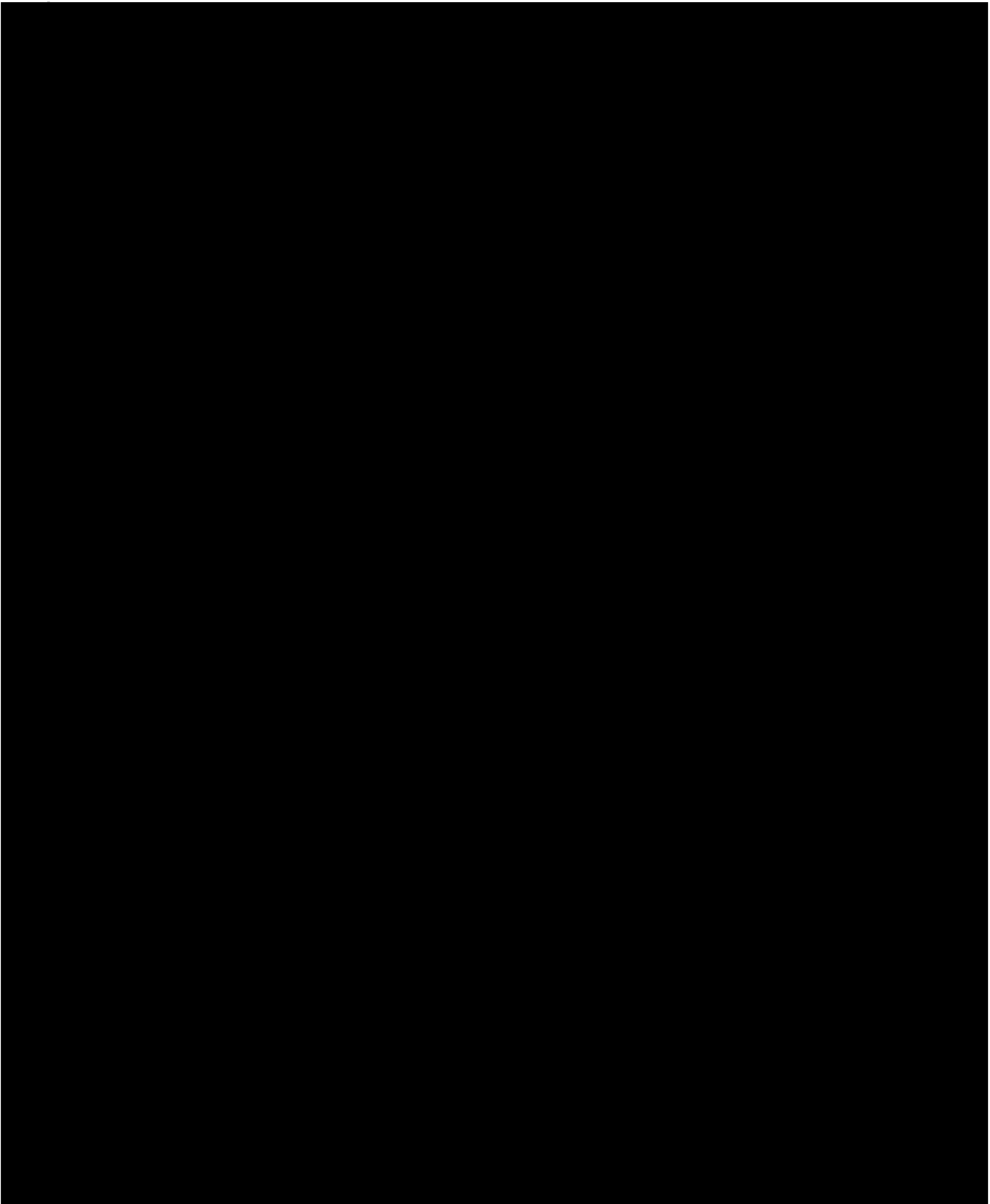


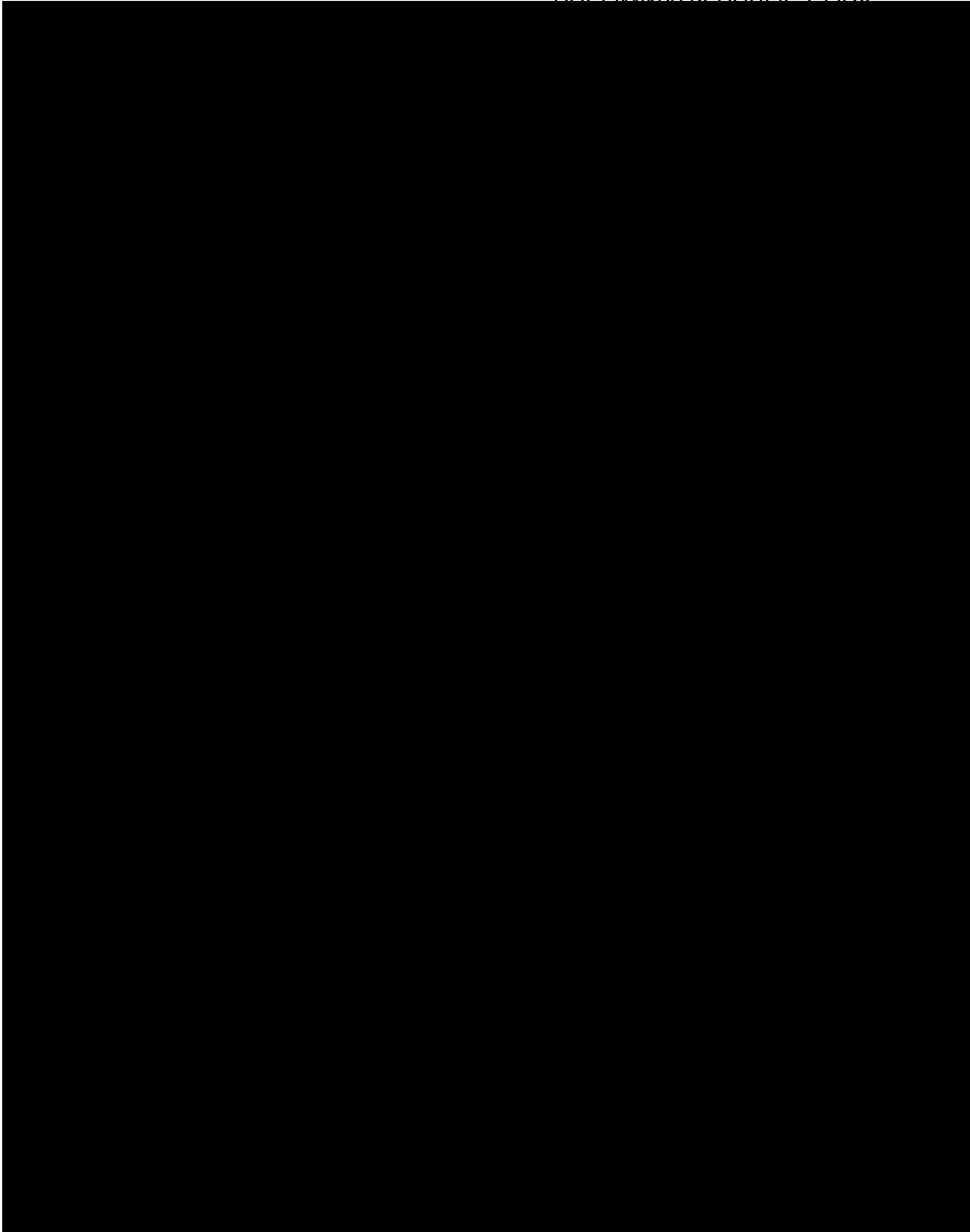
Section 13: Permitting Plan

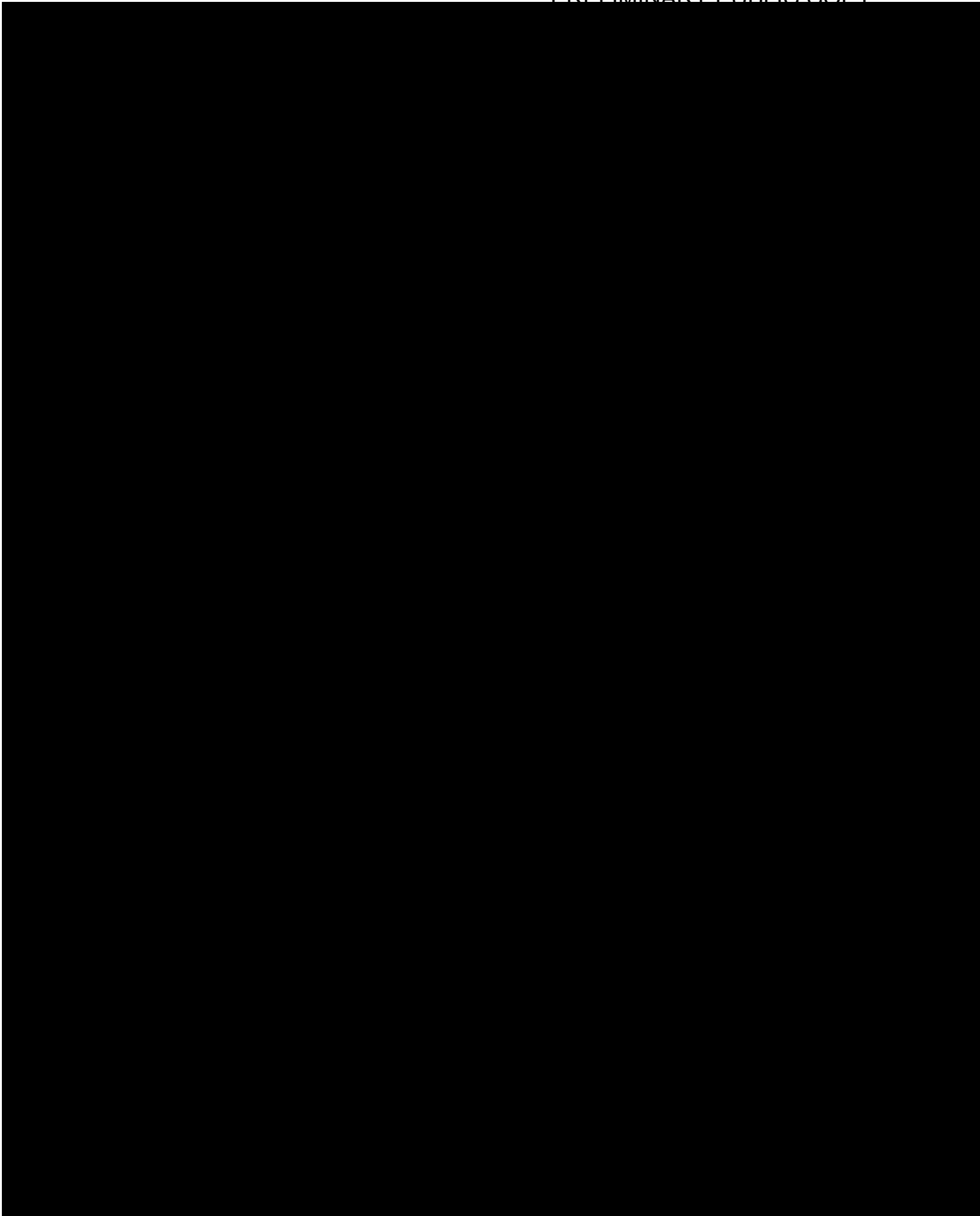
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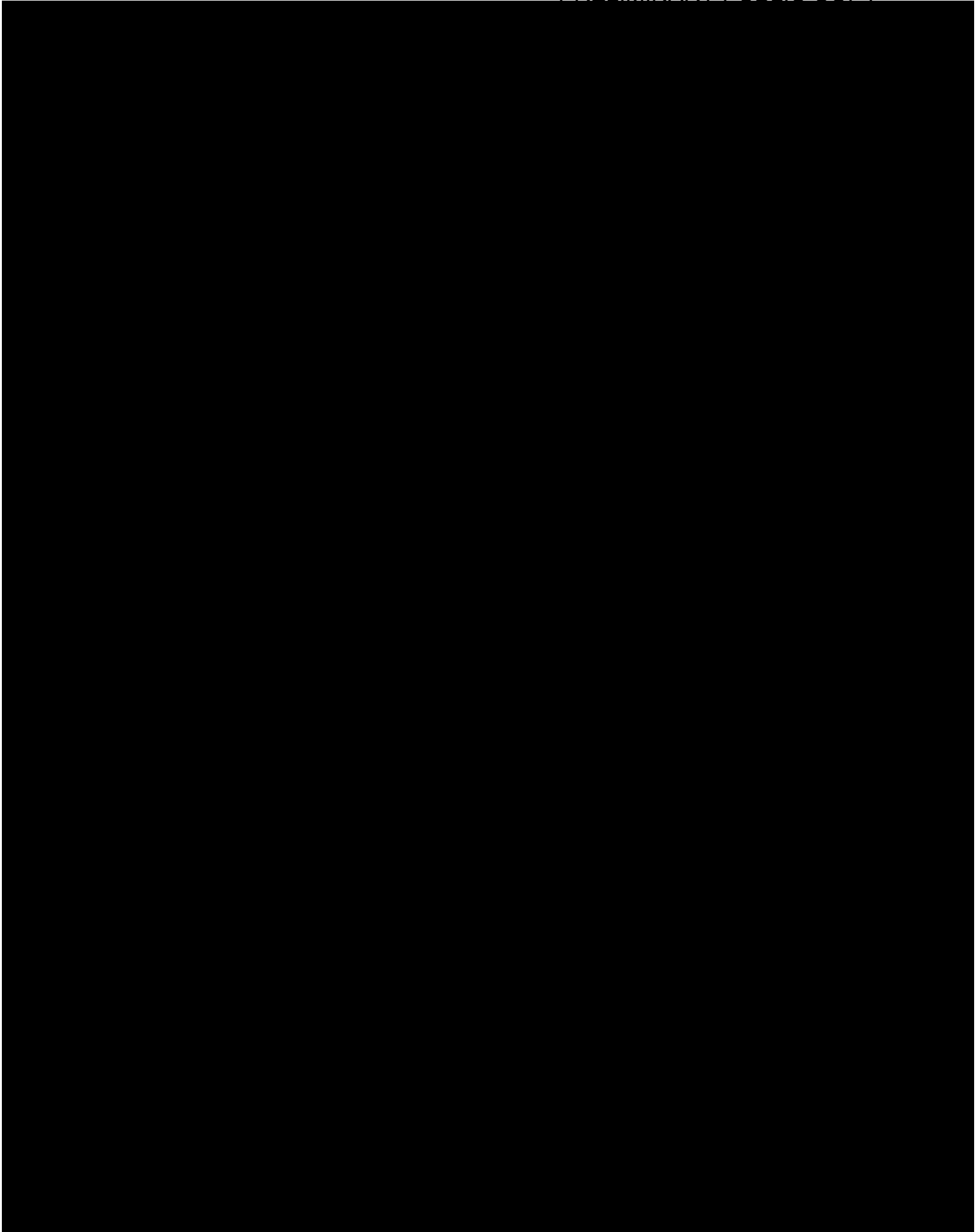
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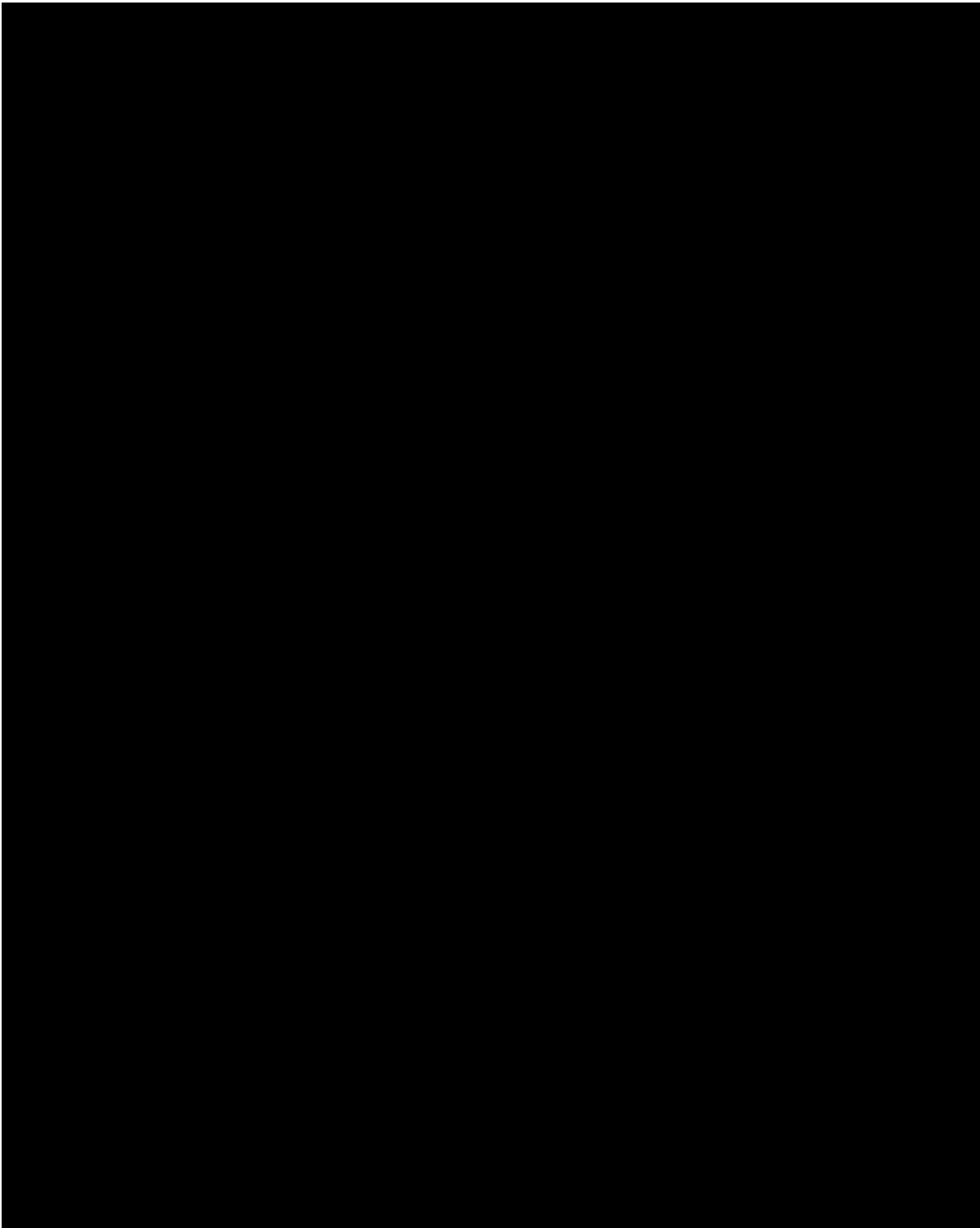


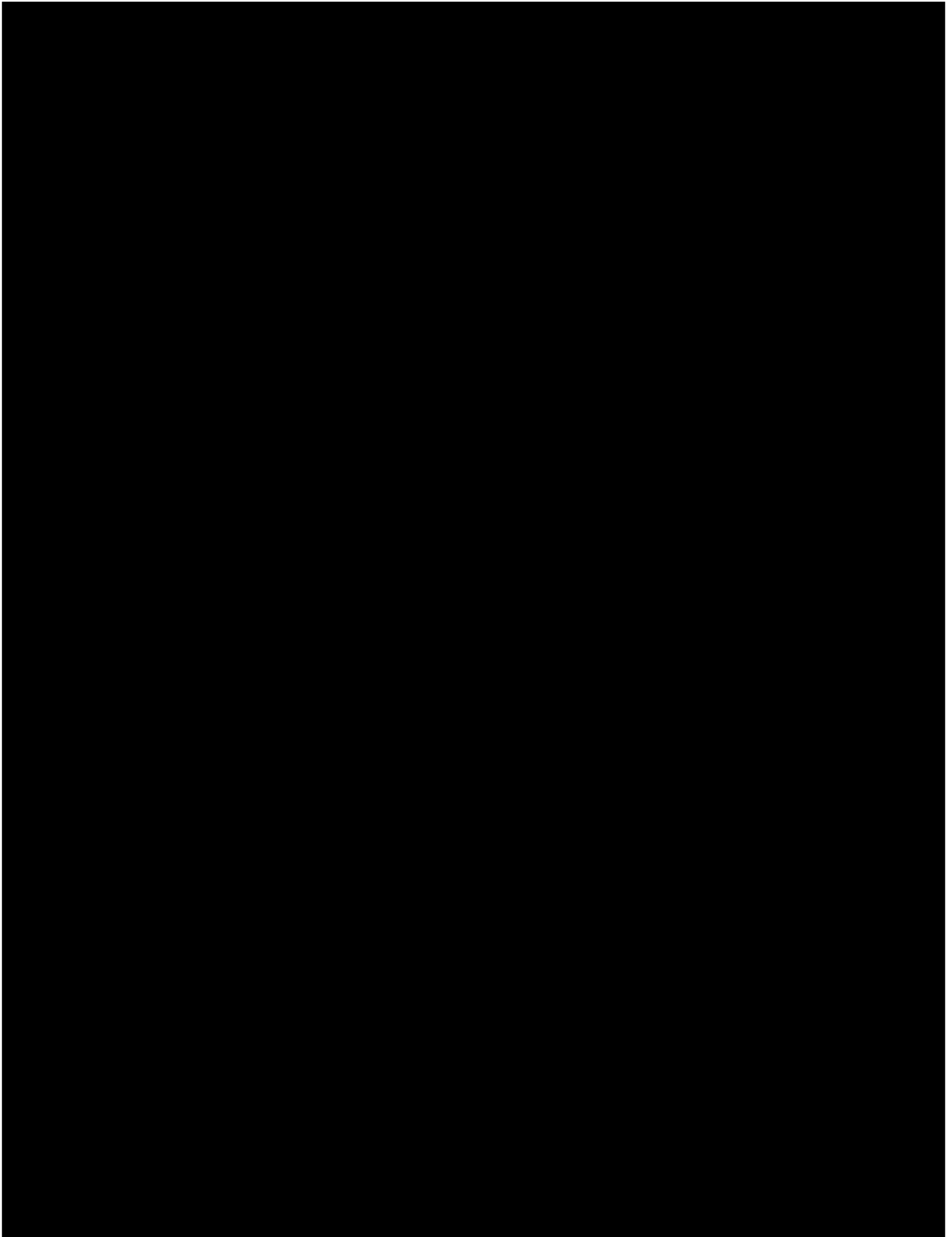


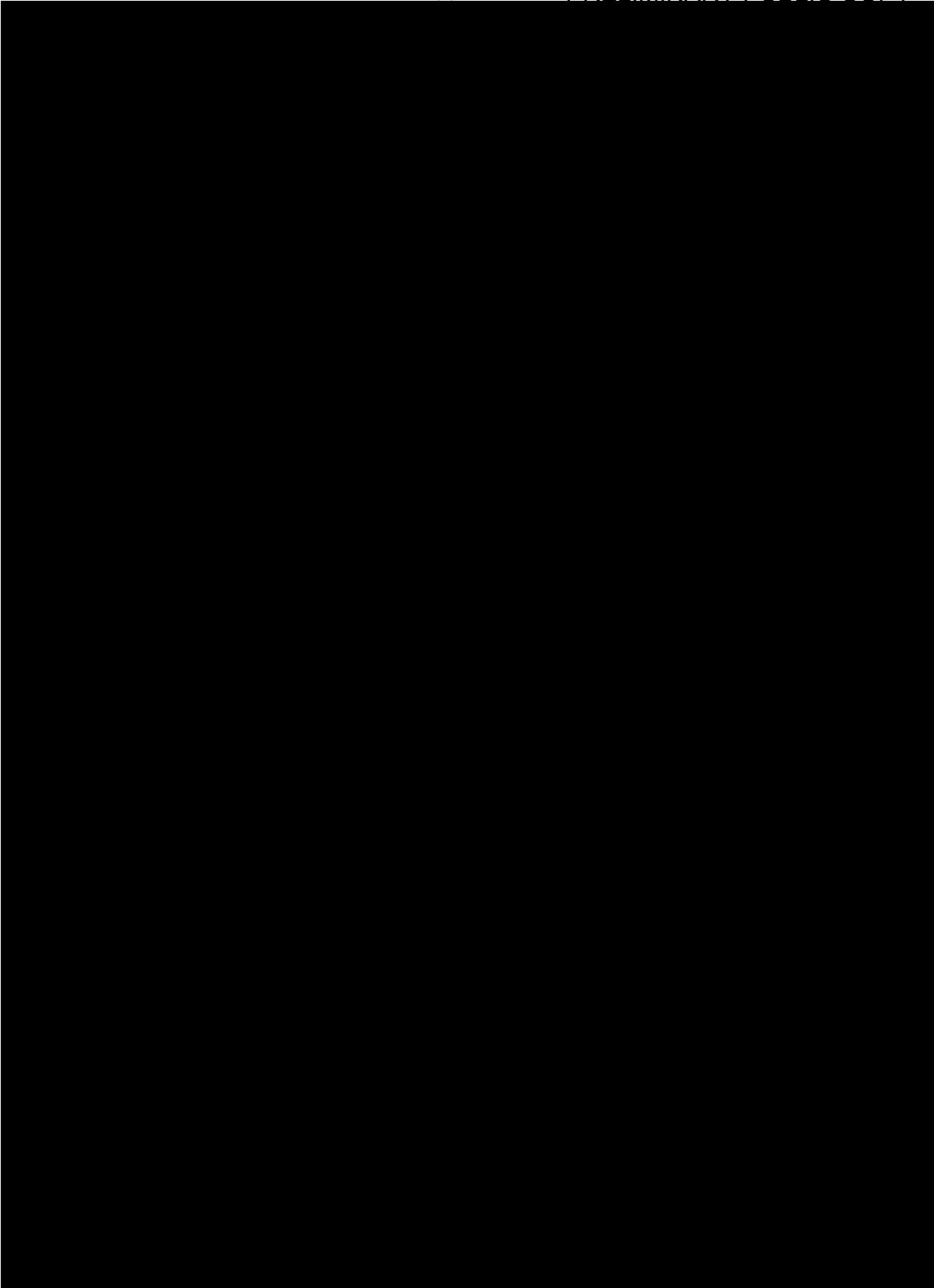














REPLY TO
ATTENTION OF

CERTIFIED MAIL- RETURN RECEIPT REQUESTED

DEPARTMENT OF THE ARMY
 PHILADELPHIA DISTRICT CORPS OF ENGINEERS
 WANAMAKER BUILDING, 100 PENN SQUARE EAST
 PHILADELPHIA, PENNSYLVANIA 19107-3390

November 8, 2019

Regulatory Branch
 Application Section II

SUBJECT: CENAP-OP-R-2019-1069-39 (6 NWP 5)
 Atlantic Shores Offshore Wind, LLC
 Latitude and Longitude: See attached sheet

Ms. Jennifer Daniels
 Atlantic Shores Offshore Wind
 1 Beacon Street, 15th Floor
 Boston, MA 02108

Dear Ms. Daniels:

This is in regard to your proposal to install 2 monitoring buoys in the Atlantic Ocean, approximately 20 miles southeast of Atlantic City, Atlantic County, New Jersey. The 2 buoys will be deployed at six locations within the water. No more than 2 buoys will be installed at any one time, spread over the six locations shown on the attached drawing. Work shall be performed from vessels located off the New Jersey coast. The buoys will be secured to the ocean floor using a clump anchor and chains. The permittee will collect data using two SEAWATCH Wind Lidar Buoys. The work shall be performed as discussed in the Guidelines for Providing Geophysical, Geotechnical, and Geohazard Information Pursuant to 30 CFR Part 585 that was developed by the Bureau of Ocean Energy Management for survey work on the outer continental shelf. This document can be found at https://www.boem.gov/G_G_Guidelines_Providing_Geophysical_Geotechnical_Geohazard_Information_Pursuant_to_30_CFR_Part_585/

Based upon our review of the information you have provided, it has been determined that your project is approved by the existing Department of the Army Nationwide Permit 5 (NWP 5) described below provided the work is conducted in compliance with the NWP general conditions, regional conditions, and the project specific special conditions.

NWP 5. Scientific Measurement Devices. Devices, whose purpose is to measure and record scientific data, such as staff gages, tide and current gages, meteorological stations, water recording and biological observation devices, water quality testing and improvement devices, and similar structures. Small weirs and flumes constructed primarily to record water quantity and velocity are also authorized provided the discharge is limited to 25 cubic yards. Upon completion of the use of the device to measure and record scientific data, the measuring device and any other structures or fills associated with that device (e.g., foundations, anchors, buoys, lines, etc.) must be removed to the maximum extent practicable and the site restored to pre-construction elevations.

(**Authorities:** Section 10 of the Rivers and Harbors Act of 1899 and section 404 of the Clean Water Act (Sections 10 and 404))

You are advised that this verification of NWP authorization is valid until the Nationwide Permits expire on March 18, 2022, unless the NWP authorization is modified, suspended, or revoked prior to this date. In the event that the NWP authorization is modified during that time period, this expiration date will remain valid, provided the activity complies with any subsequent modification of the NWP authorization.

It is noted that CZM consistency from the State is only required for those activities in or affecting a State's coastal zone. Additionally, some of the NWPs do not involve a discharge of dredged or fill material, and as such, do not require a 401 WQC. If the State has denied the required WQC and/or not concurred with the Corps' CZM consistency determination, the NWP authorization is considered denied without prejudice until an individual project specific WQC and/or CZM approval is obtained. No WQC or CZM are required for this action.

The activities authorized by this NWP verification must comply with the NWP General Conditions, as applicable, in addition to any regional or case-specific conditions imposed by the division engineer or district engineer. A copy of the NWP General Conditions and the Philadelphia District 2017 NWP Regional Permit Conditions for New Jersey for which this verification is subject to, can be found at:

<http://www.nap.usace.army.mil/Portals/39/docs/regulatory/publicnotices/2017%20Nationwide%20Permit%20General%20Conditions.pdf>

http://www.nap.usace.army.mil/Portals/39/docs/regulatory/publicnotices/2017_NJ_Reg_Cond_Final.pdf

In instances where you are unable to access a digital copy of the 2017 NWP General conditions and/or the 2017 NWP Regional Permit Conditions for New Jersey, a hard copy will be transmitted by registered mail to you per request. It is further noted that you may request a copy by email at any time in which the NWP General Conditions and Regional Permit Conditions will be provided to you by facsimile or other electronic means per your request.

Activities which have commenced (i.e. are under construction) or are under contract to commence in reliance upon an NWP will remain authorized provided the activity is completed within twelve months of the date of an NWP's expiration, modification, or revocation, unless discretionary authority has been exercised on a case-by-case basis to modify, suspend, or revoke the authorization in accordance with 33 CFR 330.4(e) and 33 CFR 330.5 (c) or (d). Activities completed under the authorization of an NWP which was in effect at the time the activity was completed continue to be authorized by that NWP.

You should carefully note that this NWP authorization is based upon your agreement to comply with the terms and conditions of this NWP including any and all attached project specific special conditions listed below. Initiation of any authorized work shall constitute your agreement to comply with all of the NWP's conditions. You should also note that the authorized work may

- 3 -

be subject to periodic inspections by a representative of this office. The verification of a Nationwide Permit including all general and special conditions is not subject to appeal.

PROJECT SPECIFIC SPECIAL CONDITIONS:

1. All work performed in association with the above noted project shall be located in accordance with the attached documents. The project plans provide for the installation of buoys to gather scientific data for a potential wind turbine farm approximately 20 nautical miles southeast of Atlantic City, Atlantic County, New Jersey. Two SEAWATCH Wind Lidar Buoys will be deployed in the ocean, spread over 6 locations. The buoys will be secured to the ocean floor using clump weights and chains.
2. Construction activities shall not result in the disturbance or alteration of greater than 1 acre of waters of the United States.
3. Any deviation in construction methodology or project design from that shown on the above noted drawings or repair plan must be approved by this office, in writing, prior to performance of the work. All modifications to the above noted project plans shall be approved, in writing, by this office. No work shall be performed prior to written approval of this office.
4. This office shall be notified prior to the commencement of authorized work by completing and signing the enclosed Notification/ Certification of Work Commencement Form (Enclosure 1). This office shall also be notified within 10 days of the completion of the authorized work by completing and signing the enclosed Notification/Certification of Work Completion/Compliance Form (Enclosure 2). All notifications required by this condition shall be in writing. The Notification of Commencement of work may be sent to this office by facsimile or other electronic means; all other notification shall be transmitted to this office by registered mail. Oral notifications are not acceptable. Similar notification is required each time maintenance work is to be done under the terms of this Corps of Engineers permit.
5. The permittee understands and agrees that, if future operations by the United States require the removal, relocation, or other alteration, of the structure or work herein authorized, or if, in the opinion of the Secretary of the Army or his authorized representative, said structure or work shall cause unreasonable obstruction to the free navigation of the navigable waters, the permittee will be required, upon due notice from the Corps of Engineers, to remove, relocate, or alter the structural work or obstructions caused thereby, without expense to the United States. No claim shall be made against the United States on account of any such removal or alteration.
6. A minimum of 30 days prior to commencing work, the permittee/contractor shall request in writing, from the U.S. Coast Guard, that a Local Notice to Mariners be issued regarding the authorized construction work. This written request shall include the location of work, a description of the construction activities; type of construction equipment to be used and expected duration of work in the waterway. The written request should be addressed to the following: Commander, Fifth Coast Guard District, Aids to Navigation Branch, Federal Building, 431 Crawford Street, Portsmouth, Virginia 23704-5004, FAX Number 804-398-6303. A copy of the cover letter shall be forward to our office for our records.

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7. The permittee shall submit a copy of Enclosure 2 when the buoys are removed from the ocean.

Also enclosed is a pre-addressed postal card (Enclosure 3) soliciting your comments on the processing of your application. Any comments, positive or otherwise, on the procedures, timeliness, fairness, etc., may be made on this card. If you should have any questions regarding this matter, please contact Lawrence Slavitter at 215-656-6734 or write to the above address.

Sincerely,

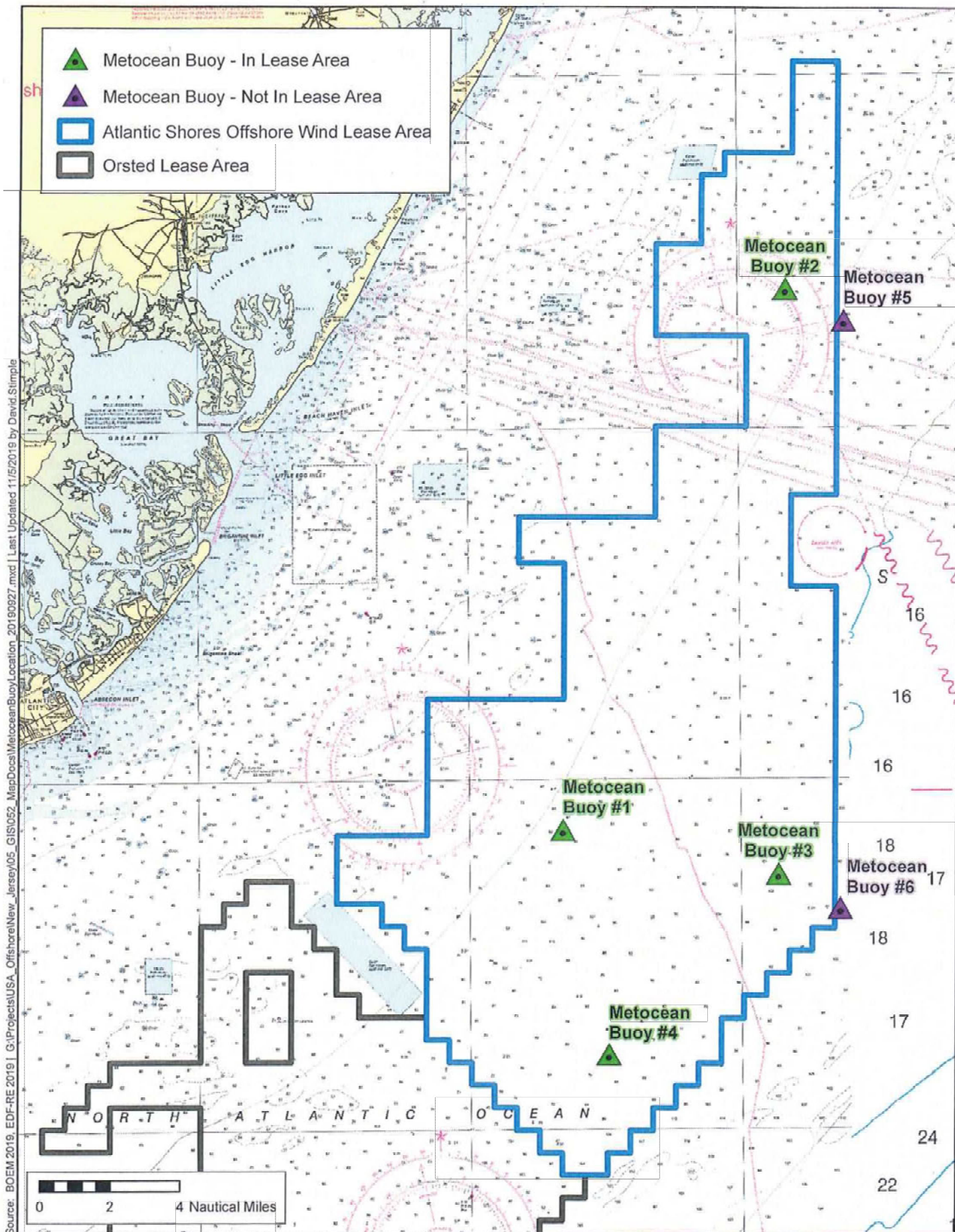
A handwritten signature in cursive script, appearing to read "Edward E. Bonner".

Edward E. Bonner
Chief, Regulatory Branch

Table 1 SEAWATCH Deployment Locations and Deployment Schedule

Installation Area (IA)	Latitude	Longitude
IA1	39°18'34"N	74° 6'33"W
IA2	39°33'56"N	73°58'12"W
IA3*	39°17'17"N	73°58'37"W
IA4	39°12'9"N	74°4'55"W
IA5*	39°33'3"N	73°56'3"W
IA6	39°16'18"N	73°56'21"W

* Denotes an alternate deployment location.



Source: BOEM 2019, EDF-RE 2019 | G:\Projects\USA_Offshore\New_Jersey\05_GIS\052_MapDocs\MetoceanBuoyLocation_20190927.mxd | Last Updated 11/15/2019 by David Stimple

NOTIFICATION/CERTIFICATION OF WORK COMMENCEMENT FORM

Permit Number: CENAP-OP-R-2019-1069-39
 Name of Permittee: Atlantic Shores Offshore Wind, LLC
 Project Name: Atlantic Shores Offshore Wind
 Waterway: Atlantic Ocean
 County: Atlantic State: New Jersey
 Compensation/Mitigation Work Required: Yes No

TO: U.S. Army Corps of Engineers, Philadelphia District
 Wanamaker Building - 100 Penn Square East
 Philadelphia, Pennsylvania 19107-3390
 Attention: CENAP-OP-R

I have received authorization to: install 2 monitoring buoys within the ocean, approximately 20 miles east of Atlantic City, Atlantic County, New Jersey.

The work will be performed by:

Name of Person or Firm _____

Address: _____

I hereby certify that I have reviewed the approved plans, have read the terms and conditions of the above referenced permit, and shall perform the authorized work in strict accordance with the permit document. The authorized work will begin on or about _____ and should be completed on or about _____.

Please note that the permitted activity is subject to compliance inspections by the Army Corps of Engineers. If you fail to return this notification form or fail to comply with the terms or conditions of the permit, you are subject to permit suspension, modification, revocation, and/or penalties.

 Permittee (Signature and Date)

 Telephone Number

 Contractor (Signature and Date)

 Telephone Number

NOTE: This form shall be completed/signed and returned to the Philadelphia District Office a minimum of 10 days prior to commencing work.

NOTIFICATION/CERTIFICATION OF WORK COMPLETION/COMPLIANCE FORM

Permit Number: CENAP-OP-R-2019-1069-39
Name of Permittee: Atlantic Shores Offshore Wind, LLC
Name of Contractor: _____
Project Name: Atlantic Shores Offshore Wind
County: Atlantic State: New Jersey
Waterway: Atlantic Ocean

Within 10 days of completion of the activity authorized by this permit, please sign this certification and return it to the following address:

U.S. Army Corps of Engineers, Philadelphia District
Wanamaker Building - 100 Penn Square East
Philadelphia, Pennsylvania 19107-3390
Attention: CENAP-OP-R

Please note that the permitted activity is subject to a compliance inspection by an Army Corps of Engineers representative. If you fail to return this notification form or fail to perform work in compliance with the permit, you are subject to administrative, civil and/or criminal penalties. Further, the subject permit may be suspended or revoked.

The authorized work was commenced on _____.

The authorized work was completed on _____.

I hereby certify that the work authorized by the above referenced permit has been completed in accordance with the terms and conditions of the above noted permit.

Signature of Contractor

Signature of Permittee

Address: _____

Address: _____

Telephone Number: _____

Telephone Number: _____

For project located in areas identified as shellfish habitat, you must include with this form a bill of lading; sales order or any other document(s) demonstrating non-polluting materials were purchased and utilized for your project. I hereby certify that I and/or my contractor have utilized non-polluting materials as defined in the above noted permit.

Signature of Contractor

Signature of Permittee

DEPARTMENT OF HOMELAND SECURITY
U.S. Coast Guard

OMB Approval: 1625-0011
Expiration Date: 12/31/2017

PRIVATE AIDS TO NAVIGATION APPLICATION

(See attached instructions and copy of Code of Federal Regulations, Title 33, Chap. 1, Part 66)

NO PRIVATE AID TO NAVIGATION MAY BE AUTHORIZED UNLESS A COMPLETED APPLICATION FORM HAS BEEN RECEIVED (14 U.S.C. 83; 33 CFR. 66. 01-5).

1. ACTION REQUESTED FOR PRIVATE AIDS TO NAVIGATION: A. ESTABLISH AND MAINTAIN B. DISCONTINUE C. CHANGE D. TRANSFER OWNERSHIP E. TEMPORARILY UNTIL 06/20/2023 F. SEASONAL FROM TO

2. DATE ACTION TO START: 12/12/2019

3. AIDS WILL BE OPERATED: A. YEAR-ROUND B. TEMPORARILY UNTIL 06/20/2023 C. SEASONAL FROM TO

4. NECESSITY FOR AID (Continue in Block 8)

6. AUTHORIZING PERMIT FOR THIS STRUCTURE OR BUOY USACE PERMIT AND/OR STATE PERMIT (Valid Permit Number) **NWP-5**

7. APPLICANT WILL FILL IN APPLICABLE REMAINING COLUMNS

LIGHT LIST NUMBER	NAME OF AID	NO. OR LTR (7a)	LIGHT		POSITION (7e)	DEPTH OF WATER (7f)	CANDELA (7g)	FOCAL PLANE HEIGHT (7h)	STRUCTURE		REMARKS (See instructions) (7i)
			FLASH PERIOD (7b)	FLASH LENGTH (7c)					COLOR (7d)	TYPE, COLOR, AND HEIGHT ABOVE GROUND (7j)	
50	ASOW Lighted Meteorological Buoy	1-A	20	5	Yellow	39 16' 18" N 73 56' 21" W	32 m	4 m	2.8 m diameter yellow disc buoy	Flash cycle is 20 seconds. 5s (0.5on/0.5off),	15 seconds off. Light range 4 nm.
55	ASOW Lighted Meteorological Buoy	2-B	20	5	Yellow	39 18' 34" N 74 06' 33" W	27 m	4 m	2.8 m diameter yellow disc buoy	Flash cycle is 20 seconds. 5s (0.5on/0.5off),	15 seconds off. Light range 4 nm.

8. ADDITIONAL COMMENTS

Flash Characteristic: Fl (5) Y 20s

9a. NAME AND ADDRESS OF PERSON IN DIRECT CHARGE OF THE AID(S)
James Ranson
6100 Hillcroft, Houston, TX 77081

9b. TELEPHONE NO.
+1 713 346 3615

9c. E-MAIL ADDRESS
j.ranson@fugro.com

10a. NAME AND ADDRESS OF PERSON OR CORPORATION AT WHOSE EXPENSE THE AID(S) WILL BE MAINTAINED
Fugro USA Marine, Inc
6100 Hillcroft,
Houston,
TX 77081

10b. THE APPLICANT AGREES TO SAVE THE COAST GUARD HARMLESS WITH RESPECT TO ANY CLAIM OR CLAIMS THAT MAY RESULT ARISING FROM THE ALLEGED NEGLIGENCE OF THE MAINTENANCE OR OPERATION OF THE APPROVED AID(S).

10c. DATE
10/31/2019

10d. SIGNATURE AND TITLE OF OFFICIAL SIGNING
Garshar James Ranson

DATE APPROVED BY DISTRICT COMMANDER
CREELMAN.MATTHEW.K.

FOR USE BY DISTRICT COMMANDER
RECD
CHART 12318
LNM

SERIAL NO.
19-0073

CLASSIFICATION OF AIDS(S)
II

Digitally signed by
CREELMAN.MATTHEW.K.I.1088507033
Date: 2019.11.25 14:31:32 -05'00'



UNITED STATES DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric Administration
NATIONAL MARINE FISHERIES SERVICE
1315 East-West Highway
Silver Spring, Maryland 20910

INCIDENTAL HARASSMENT AUTHORIZATION

Atlantic Shores Offshore Wind, LLC (Atlantic Shores) is hereby authorized under section 101(a)(5)(D) of the Marine Mammal Protection Act (MMPA; 16 U.S.C. 1371(a)(5)(D)) to harass marine mammals incidental to marine site characterization surveys off the coasts of New York and New Jersey, when adhering to the following terms and conditions.

1. This incidental harassment authorization (IHA) is valid from April 20, 2020 through April 19, 2021.
2. This IHA is valid only for the marine site characterization survey specified in the IHA application, in the Atlantic Ocean.
3. General Conditions
 - (a) A copy of this IHA must be in the possession of Atlantic Shores, the vessel operators, the lead protected species observers (PSO), and any other relevant designees of Atlantic Shores operating under the authority of this IHA.
 - (b) The species authorized for taking are listed in Table 1. The taking, by Level B harassment only, is limited to the species and numbers listed in Table 1. Any taking of species not listed in Table 1, or exceeding the authorized amounts listed in Table 1, is prohibited and may result in the modification, suspension, or revocation of this IHA.
 - (c) The taking by injury, serious injury, or death of any of the species listed in Table 1 of the Authorization or any taking of any other species of marine mammal is prohibited and may result in the modification, suspension, or revocation of this IHA.
 - (d) Atlantic Shores must ensure that the vessel operator and other relevant vessel personnel are briefed on all responsibilities, communication procedures, marine mammal monitoring protocols, operational procedures, and IHA requirements prior to the start of survey activity, and when relevant new personnel join the survey operations.

4. Mitigation Requirements – The holder of this Authorization is required to implement the following mitigation measures:
- (a) Atlantic Shores must employ a minimum of one (1) NMFS-approved PSO on duty at all times during daylight hours (i.e., from 30 minutes prior to sunrise through 30 minutes following sunset) and 30 minutes prior to and during nighttime ramp-ups of HRG equipment on all survey vessels during geophysical surveys. PSOs must have no tasks other than to conduct observational effort, record observational data, and communicate with and instruct relevant vessel crew with regard to the presence of marine mammals and mitigation requirements.
 - (b) Visual monitoring must begin no less than 30 minutes prior to initiation of survey equipment and must continue until 30 minutes after use of survey equipment ceases.
 - (c) Exclusion Zones – PSOs must establish and monitor marine mammal Exclusion Zones. Distances to Exclusion Zones must be from any survey equipment, not the distance from the vessel. Exclusion Zones must be as follows:
 - (i) 500-m Exclusion Zone for North Atlantic right whales; and
 - (ii) 100-m Exclusion Zone for all other marine mammals.
 - (d) Marine Mammal Monitoring Zone – PSOs must establish and monitor a marine mammal Monitoring Zone that represents a distance of 500 m from survey equipment.
 - (e) Marine Mammal Buffer Zone – PSOs must establish and monitor a 200 m Buffer Zone.
 - (i) During use of geophysical sources with the potential to result in marine mammal harassment (i.e., anytime the acoustic source is active, including ramp-up), occurrences of marine mammals within the Buffer Zone must be communicated to the vessel operator and crew to prepare for potential shutdown of the acoustic source.
 - (ii) The Buffer Zone is not applicable when the EZ is greater than 100 meters.
 - (f) Shutdown requirements
 - (i) If a marine mammal is observed within or entering the relevant Exclusion

Zones as described under 4(c) while geophysical survey equipment is operational, the geophysical survey equipment must be immediately shut down.

- (ii) Any PSO on duty has the authority to call for shutdown of survey equipment. When there is certainty regarding the need for mitigation action on the basis of visual detection, the relevant PSO(s) must call for such action immediately.
- (iii) When a shutdown is called for by a PSO, the shutdown must occur and any dispute resolved only following shutdown.
- (iv) The vessel operator must establish and maintain clear lines of communication directly between PSOs on duty and crew controlling the geophysical source(s) to ensure that shutdown commands are conveyed swiftly while allowing PSOs to maintain watch.
- (v) Upon implementation of a shutdown, survey equipment may be reactivated when all marine mammals that triggered the shutdown have been confirmed by visual observation to have exited the relevant Exclusion Zone or an additional time period has elapsed with no further sighting of the animal that triggered the shutdown (15 minutes for small odontocetes and seals and 30 minutes for all other marine mammals).
- (vi) If geophysical survey equipment shuts down for less than 30 minutes for reasons other than marine mammal mitigation (*e.g.*, due to mechanical or electronic failure) the equipment may be re-activated as soon as is practicable at full operational level if PSOs have maintained constant visual observation during the shutdown and no visual detections of marine mammals occurred within the applicable Exclusion and Buffer Zones during that time. For a shutdown of 30 minutes or longer, or if visual observation was not continued diligently during the pause, pre-clearance observation is required, as described under 4(g).
- (vii) If a delphinid(s) from the genera *Delphinus*, *Lagenorhynchus*, *Stenella*, or *Tursiops* is visually detected approaching the vessel (*e.g.*, to bow ride) or towed survey equipment, shutdown is not required. If there is uncertainty regarding identification of a marine mammal species (*i.e.*, whether the observed marine mammal(s) belongs to one of the delphinid genera for which shutdown is waived), PSOs must use best professional judgment in making the decision to call for a shutdown. If delphinids from the above genera are observed within or entering the relevant EZ but do not approach the vessel or towed survey equipment, shutdown is required.
- (viii) Shutdown of geophysical survey equipment is required upon observation of a

species for which authorization has not been granted, or, observation of a species for which authorization has been granted but the authorized number of takes has been met, approaching or observed within Level B harassment zone (i.e., within approximately 370 m of geophysical survey equipment).

- (g) Pre-clearance observation –PSOs must conduct 30 minutes of pre-clearance observation must be conducted prior to initiation of geophysical survey equipment. If a marine mammal is observed within or approaching the pre-clearance zones described below during the pre-clearance period, geophysical survey equipment must not be initiated until the marine mammal(s) is confirmed by visual observation to have exited the relevant zone, or, until an additional time period has elapsed with no further sighting of the animal (15 minutes for small odontocetes and seals and 30 minutes for all other species). The pre-clearance requirement includes small delphinoids that approach the vessel (*e.g.*, bow ride). Geophysical surveys must not be initiated if:
 - (i) a North Atlantic right whale is observed within a 500 m radius of geophysical survey equipment during the pre-clearance period; or
 - (ii) any other marine mammals are observed within a 200 m radius of geophysical survey equipment during the pre-clearance period.
- (h) Ramp-up – when technically feasible, survey equipment must be ramped up at the start or re-start of survey activities. Ramp-up must begin with the power of the smallest acoustic equipment at its lowest practical power output appropriate for the survey. When technically feasible the power will then be gradually turned up and other acoustic sources added in a way such that the source level would increase gradually.
- (i) Vessel Strike Avoidance – Vessel operator and crew must maintain a vigilant watch for all marine mammals and slow down or stop the vessel or alter course, as appropriate, to avoid striking any marine mammal, unless such action represents a human safety concern. Survey vessel crew members responsible for navigation duties must receive site-specific training on marine mammal sighting/reporting and vessel strike avoidance measures. Vessel strike avoidance measures must include the following, except under circumstances when complying with these requirements would put the safety of the vessel or crew at risk:
 - (i) The vessel operator and crew must maintain vigilant watch for cetaceans and pinnipeds, and slow down or stop the vessel to avoid striking marine mammals;
 - (ii) The vessel operator must reduce vessel speed to 10 knots (18.5 km/hr) or less when any large whale, any mother/calf pairs, whale or dolphin pods, or larger

assemblages of non-delphinoid cetaceans are observed near (within 100-m (330-ft)) an underway vessel;

- (iii) The survey vessel must maintain a separation distance of 500-m (1640 ft) or greater from any sighted North Atlantic right whale. If a whale is observed but cannot be confirmed as a species other than a right whale, the vessel operator must assume that it is a right whale and maintain a minimum separation distance of 500 m.
- (iv) If underway, the vessel must steer a course away from any sighted North Atlantic right whale at 10 knots (18.5 km/hr) or less until the 500-m (1640 ft) minimum separation distance has been established. If a North Atlantic right whale is sighted in a vessel's path, or within 500-m (330 ft) to an underway vessel, the underway vessel must reduce speed and shift the engine to neutral. Engines must not be engaged until the North Atlantic right whale has moved outside of the vessel's path and beyond 500-m. If stationary, the vessel must not engage engines until the North Atlantic right whale has moved beyond 500-m;
- (v) The vessel must maintain a separation distance of 100-m (330 ft) or greater from any sighted non-delphinoid cetacean. If sighted, the vessel underway must reduce speed and shift the engine to neutral, and must not engage the engines until the non-delphinoid cetacean has moved outside of the vessel's path and beyond 100-m. If a survey vessel is stationary, the vessel must not engage engines until the non-delphinoid cetacean has moved out of the vessel's path and beyond 100-m;
- (vi) The vessel must maintain a separation distance of 50-m (164 ft) or greater from any sighted delphinoid cetacean or pinniped. Any vessel underway must remain parallel to a sighted delphinoid cetacean's course whenever possible, and avoid excessive speed or abrupt changes in direction. Vessels may not adjust course and speed until the delphinoid cetaceans have moved beyond 50-m and/or the abeam of the underway vessel;
- (vii) All vessels underway must not divert or alter course in order to approach any whale, delphinoid cetacean, or pinniped. Any vessel underway must avoid excessive speed or abrupt changes in direction to avoid injury to the sighted cetacean or pinniped; and
- (viii) All vessels, regardless of length, must observe a 10-knot speed restriction in specific areas designated by NMFS for the protection of North Atlantic right whales, including any Dynamic Management Areas when in effect, and the Mid-Atlantic Seasonal Management Area (from November 1 through April 30).

5. Monitoring Requirements – Atlantic Shores is required to conduct marine mammal visual monitoring during geophysical survey activity. Monitoring must be conducted in accordance with the following requirements:
- (a) A minimum of one NMFS-approved PSO must be on duty and conducting visual observations at all times on all active survey vessels during daylight hours (i.e., from 30 minutes prior to sunrise through 30 minutes following sunset) and 30 minutes prior to and during nighttime ramp-ups of HRG equipment on all survey vessels during geophysical surveys.
 - (b) PSO resumes must be provided to NMFS for approval prior to commencement of the survey. PSO qualifications must include completion of a PSO training course and direct field experience conducting similar surveys.
 - (c) PSOs must be employed by a third-party observer provider, must have no tasks other than to conduct observational effort, collect data, and communicate with and instruct relevant vessel crew with regard to the presence of marine mammals and mitigation requirements (including brief alerts regarding maritime hazards), and must have successfully completed an approved PSO training course appropriate for their designated task. Non-third-party observers may be approved by NMFS on a case-by-case basis for limited, specific duties in support of approved, independent PSOs.
 - (d) Visual monitoring must begin no less than 30 minutes prior to initiation of geophysical survey equipment and must continue until one hour after use of the acoustic source ceases or until 30 minutes past sunset.
 - (e) PSOs must coordinate to ensure 360° visual coverage around the vessel from the most appropriate observation posts.
 - (f) Visual observations must be conducted using binoculars and the naked eye while free from distractions and in a consistent, systematic, and diligent manner.
 - (g) PSOs may be on watch for a maximum of four consecutive hours followed by a break of at least two hours between watches and may conduct a maximum of 12 hours of observation per 24-hour period.
 - (h) In cases where multiple vessels are surveying concurrently, any observations of marine mammals must be communicated to PSOs on all active survey vessels.
 - (i) PSOs must be equipped with binoculars and have the ability to estimate distances to marine mammals located in proximity to the vessel and/or Exclusion Zones using range finders. Reticulated binoculars must also be available to PSOs for use

as appropriate based on conditions and visibility to support the sighting and monitoring of marine species.

- (j) Position data must be recorded using hand-held or vessel global positioning system (GPS) units for each sighting.
- (k) Atlantic Shores must consult NMFS' North Atlantic right whale reporting systems for the presence of North Atlantic right whales throughout survey operations for the establishment of a Dynamic Management Area (DMA).
- (l) During good conditions (e.g., daylight hours; Beaufort sea state 3 or less), to the maximum extent practicable, visual PSOs must conduct observations when the acoustic source is not operating for comparison of sighting rates and behavior with and without use of the acoustic source and between acquisition periods.
- (m) Night-vision equipment (i.e., night-vision goggles and/or infrared technology) must be available for use during nighttime monitoring.
- (n) Any observations of marine mammals by crew members aboard any vessel associated with the survey must be relayed to the PSO team.
- (o) If Exclusion Zones, Buffer Zone and/or Monitoring Zone are not fully visible to PSOs due to darkness or inclement weather, survey activities may continue, unless a marine mammal is detected within or entering the Exclusion Zones as described under 4(c).
- (p) Data on all PSO observations must be recorded based on standard PSO collection requirements. PSOs must use standardized data forms, whether hard copy or electronic. The following information must be reported:
 - (i) PSO names and affiliations
 - (ii) Dates of departures and returns to port with port name
 - (iii) Dates and times (Greenwich Mean Time) of survey effort and times corresponding with PSO effort
 - (iv) Vessel location (latitude/longitude) when survey effort begins and ends; vessel location at beginning and end of visual PSO duty shifts
 - (v) Vessel heading and speed at beginning and end of visual PSO duty shifts and upon any line change

- (vi) Environmental conditions while on visual survey (at beginning and end of PSO shift and whenever conditions change significantly), including wind speed and direction, Beaufort sea state, Beaufort wind force, swell height, weather conditions, cloud cover, sun glare, and overall visibility to the horizon
- (vii) Factors that may be contributing to impaired observations during each PSO shift change or as needed as environmental conditions change (*e.g.*, vessel traffic, equipment malfunctions)
- (viii) Survey activity information, such as type of survey equipment in operation, acoustic source power output while in operation, and any other notes of significance (*i.e.*, pre-clearance survey, ramp-up, shutdown, end of operations, etc.)
- (ix) If a marine mammal is sighted, the following information should be recorded:
 - (A) Watch status (sighting made by PSO on/off effort, opportunistic, crew, alternate vessel/platform);
 - (B) PSO who sighted the animal;
 - (C) Time of sighting;
 - (D) Vessel location at time of sighting;
 - (E) Water depth;
 - (F) Direction of vessel's travel (compass direction);
 - (G) Direction of animal's travel relative to the vessel;
 - (H) Pace of the animal;
 - (I) Estimated distance to the animal and its heading relative to vessel at initial sighting;
 - (J) Identification of the animal (*e.g.*, genus/species, lowest possible taxonomic level, or unidentified); also note the composition of the group if there is a mix of species;
 - (K) Estimated number of animals (high/low/best) ;

- (L) Estimated number of animals by cohort (adults, yearlings, juveniles, calves, group composition, etc.);
- (M) Description (as many distinguishing features as possible of each individual seen, including length, shape, color, pattern, scars or markings, shape and size of dorsal fin, shape of head, and blow characteristics);
- (N) Detailed behavior observations (*e.g.*, number of blows, number of surfaces, breaching, spyhopping, diving, feeding, traveling; as explicit and detailed as possible; note any observed changes in behavior);
- (O) Animal's closest point of approach and/or closest distance from the center point of the acoustic source;
- (P) Platform activity at time of sighting (*e.g.*, deploying, recovering, testing, data acquisition, other);
- (Q) Description of any actions implemented in response to the sighting (*e.g.*, delays, shutdown, ramp-up, speed or course alteration, etc.) and time and location of the action: and
- (R) Documentation of whether the marine mammal was estimated to have been within 370 m of active survey equipment.

6. Reporting – Atlantic Shores is required to report to NOAA Fisheries in accordance with the following requirements:

- (a) A monitoring report must be provided to NMFS within 90 days after completion of survey activities. The report must fully document the methods and monitoring protocols, summarize the data recorded during monitoring, estimate the number of marine mammals that may have been taken during survey activities, describe, assess and compare the effectiveness of monitoring and mitigation measures. Any recommendations made by NMFS must be addressed in the final report prior to acceptance by NMFS. PSO datasheets or raw sightings data must also be provided with the draft and final monitoring report.
- (b) Reporting sightings of North Atlantic right whales:
 - (i) If a North Atlantic right whale is observed at any time by PSOs or personnel on any project vessels, during surveys or during vessel transit, Atlantic Shores must immediately report sighting information to the NMFS North Atlantic Right Whale Sighting Advisory System: (866) 755-6622. North Atlantic right whale sightings in any location may also be reported to the U.S. Coast Guard

via channel 16.

- (c) Reporting injured or dead marine mammals:
- (i) In the event that personnel involved in the survey activities covered by the authorization discover an injured or dead marine mammal, Atlantic Shores must report the incident to the NOAA Fisheries Office of Protected Resources (OPR) (301-427-8401), and to the NOAA Fisheries New England/Mid-Atlantic Regional Stranding Coordinator (978-282-8478) as soon as feasible. The report must include the following information:
 - (A) Time, date, and location (latitude/longitude) of the first discovery (and updated location information if known and applicable);
 - (B) Species identification (if known) or description of the animal(s) involved;
 - (C) Condition of the animal(s) (including carcass condition if the animal is dead);
 - (D) Observed behaviors of the animal(s), if alive;
 - (E) If available, photographs or video footage of the animal(s); and
 - (F) General circumstances under which the animal was discovered.
 - (ii) **In the event** of a vessel strike of a marine mammal by any vessel involved in the activities covered by the authorization, the Atlantic Shores must report the incident to NOAA Fisheries OPR (301-427-8401) and to the NOAA Fisheries New England/Mid-Atlantic Regional Stranding Coordinator (978-282-8478) as soon as feasible. The report must include the following information:
 - (A) Time, date, and location (latitude/longitude) of the incident;
 - (B) Species identification (if known) or description of the animal(s) involved;
 - (C) Vessel's speed during and leading up to the incident;
 - (D) Vessel's course/heading and what operations were being conducted (if applicable);
 - (E) Status of all sound sources in use;

- (F) Description of avoidance measures/requirements that were in place at the time of the strike and what additional measures were taken, if any, to avoid strike;
 - (G) Environmental conditions (e.g., wind speed and direction, Beaufort sea state, cloud cover, visibility) immediately preceding the strike;
 - (H) Estimated size and length of animal that was struck;
 - (I) Description of the behavior of the marine mammal immediately preceding and following the strike;
 - (J) If available, description of the presence and behavior of any other marine mammals immediately preceding the strike;
 - (K) Estimated fate of the animal (e.g., dead, injured but alive, injured and moving, blood or tissue observed in the water, status unknown, disappeared); and
 - (L) To the extent practicable, photographs or video footage of the animal(s).
7. This Authorization may be modified, suspended or withdrawn if the holder fails to abide by the conditions prescribed herein, or if NMFS determines the authorized taking is having more than a negligible impact on the species or stock of affected marine mammals.
8. Renewals – On a case-by-case basis, NMFS may issue a one-year Renewal IHA following notice to the public providing an additional 15 days for public comments when (1) up to another year of identical or nearly identical, or nearly identical, activities as described in the Specified Activities section of this notice is planned or (2) the activities as described in the Specified Activities section of this notice would not be completed by the time the IHA expires and a Renewal would allow for completion of the activities beyond that described in the Dates and Duration section of this notice, provided all of the following conditions are met:
- (a) A request for renewal is received no later than 60 days prior to the needed Renewal IHA effective date (recognizing that the Renewal IHA expiration date cannot extend beyond one year from expiration of the initial IHA).
 - (b) The request for renewal must include the following:
 - (i) An explanation that the activities to be conducted under the requested Renewal IHA are identical to the activities analyzed under the initial IHA, are

a subset of the activities, or include changes so minor (e.g., reduction in pile size) that the changes do not affect the previous analyses, mitigation and monitoring requirements, or take estimates (with the exception of reducing the type or amount of take).

- (ii) A preliminary monitoring report showing the results of the required monitoring to date and an explanation showing that the monitoring results do not indicate impacts of a scale or nature not previously analyzed or authorized.
- (c) Upon review of the request for Renewal, the status of the affected species or stocks, and any other pertinent information, NMFS determines that there are no more than minor changes in the activities, the mitigation and monitoring measures will remain the same and appropriate, and the findings in the initial IHA remain valid.

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Donna S. Wieting,
Director, Office of Protected Resources
National Marine Fisheries Service

Date

Table 1. Numbers of Incidental Take of Marine Mammals Authorized

Species	Total Takes by Level B Harassment Authorized
North Atlantic right whale	9
Humpback whale	18
Fin whale	20
Sei whale	2
Minke whale	9
Sperm whale	3
Long-finned pilot whale	6
Bottlenose dolphin (W.N. Atlantic Coastal Migratory)	1,102
Bottlenose dolphin (W.N. Atlantic Offshore)	5,113
Common dolphin	544
Atlantic white-sided dolphin	82
Atlantic spotted dolphin	100
Risso's Dolphin	6
Harbor porpoise	115
Harbor seal	1,404
Gray seal	1,404

REPLY TO
ATTENTION OF

CERTIFIED MAIL- RETURN RECEIPT REQUESTED

DEPARTMENT OF THE ARMY
PHILADELPHIA DISTRICT CORPS OF ENGINEERS
WANAMAKER BUILDING, 100 PENN SQUARE EAST
PHILADELPHIA, PENNSYLVANIA 19107-3390

June 1, 2020

Regulatory Branch
Application Section II

SUBJECT: CENAP-OP-R-2019-1069-39 (124 NWP 6 verifications)
Project Name: Atlantic Shores Offshore Wind

Mr. Paul Phifer
Atlantic Shores Offshore Wind, LLC
Permitting Manager
1 Beacon Street, 15th Floor
Boston, MA 02108

Dear Mr. Phifer:

This is in regard to your proposal to perform Geotechnical and Geophysical surveys at 124 locations within both state waters and on the Outer Continental Shelf (OCS), off the coast of Atlantic and Ocean Counties, New Jersey. All work will be performed using barge mounted equipment. Under current Federal regulations, a Department of the Army permit is required for work or structures in navigable waters of the United States and/or the discharge of dredged or fill material into waters of the United States including wetlands.

Based upon our review of the information you have provided, it has been determined that your project is approved by the existing Department of the Army Nationwide Permit 6 (NWP 6) described below provided the work is conducted in compliance with the NWP general conditions, regional conditions, and the project specific special conditions.

NWP 6. Survey Activities. Survey activities, such as core sampling, seismic exploratory operations, plugging of seismic shot holes and other exploratory-type bore holes, exploratory trenching, soil surveys, sampling, sample plots or transects for wetland delineations, and historic resources surveys. For the purposes of this NWP, the term "exploratory trenching" means mechanical land clearing of the upper soil profile to expose bedrock or substrate, for the purpose of mapping or sampling the exposed material. The area in which the exploratory trench is dug must be restored to its pre-construction elevation upon completion of the work and must not drain a water of the United States. In wetlands, the top 6 to 12 inches of the trench should normally be backfilled with topsoil from the trench. This NWP authorizes the construction of temporary pads, provided the discharge does not exceed 1/10-acre in waters of the U.S. Discharges and structures associated with the recovery of historic resources are not authorized by this NWP. Drilling and the discharge of excavated material from test wells for oil and gas exploration

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are not authorized by this NWP; the plugging of such wells is authorized. Fill placed for roads and other similar activities is not authorized by this NWP. The NWP does not authorize any permanent structures. The discharge of drilling mud and cuttings may require a permit under section 402 of the Clean Water Act.

You are advised that this verification of NWP authorization is valid until the Nationwide Permits expire on March 18, 2022, unless the NWP authorization is modified, suspended, or revoked prior to this date. In the event that the NWP authorization is modified during that time period, this expiration date will remain valid, provided the activity complies with any subsequent modification of the NWP authorization.

It is noted that CZM consistency from the State is only required for those activities in or affecting a State's coastal zone. Additionally, some of the NWPs do not involve a discharge of dredged or fill material, and as such, do not require a 401 WQC. If the State has denied the required WQC and/or not concurred with the Corps' CZM consistency determination, the NWP authorization is considered denied without prejudice until an individual project specific WQC and/or CZM approval is obtained.

Please note that the entire State of New Jersey has been designated as a Coastal Zone Management Area. Therefore, any federal activity occurring within the state may be subject to Federal Consistency review. It should be carefully noted that the New Jersey Department of Environmental Protection (NJDEP) has denied the requisite 401 Water Quality Certification (WQC) and Coastal Zone Management (CZM) consistency for certain NWP activities in ALL waters of the United States in New Jersey. For those NWPs for which the NJDEP has denied the requisite WQC and CZM, the NWP authorization is considered denied without prejudice by the Corps of Engineers until an individual, project-specific WQC and/or CZM review and approval has been obtained from the NJDEP. Furthermore, copies of the WQC and CZM approvals must be provided to the Corps of Engineers before the authorized work begins. Any project-specific conditions required by the NJDEP for the WQC and/or CZM approval will automatically become part of the NWP authorization as well. For other NWP activities, the NJDEP has denied the requisite WQC and CZM for projects located in waters of the United States which have been determined to be critical resource waters. A copy of the table that identifies those NWPs which have been denied WQC and/or CZM consistency by the NJDEP can be found at:

https://www.nap.usace.army.mil/Portals/39/docs/regulatory/publicnotices/2017_NJ_Reg_Cond_Final.pdf

The activities authorized by this NWP verification must comply with the NWP General Conditions, as applicable, in addition to any regional or case-specific conditions imposed by the division engineer or district engineer. A copy of the NWP General Conditions and the Philadelphia District 2017 NWP Regional Permit Conditions for New Jersey for which this verification is subject to, can be found at:

<https://www.nap.usace.army.mil/Portals/39/docs/regulatory/publicnotices/2017%20Nationwide%20Permit%20General%20Conditions.pdf>

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In instances where you are unable to access a digital copy of the 2017 NWP General conditions and/or the 2017 NWP Regional Permit Conditions for New Jersey, a hard copy will be transmitted by registered mail to you per request. It is further noted that you may request a copy by email at any time in which the NWP General Conditions and Regional Permit Conditions will be provided to you by facsimile or other electronic means per your request.

Activities which have commenced (i.e. are under construction) or are under contract to commence in reliance upon an NWP will remain authorized provided the activity is completed within twelve months of the date of an NWP's expiration, modification, or revocation, unless discretionary authority has been exercised on a case-by-case basis to modify, suspend, or revoke the authorization in accordance with 33 CFR 330.4(e) and 33 CFR 330.5 (c) or (d). Activities completed under the authorization of an NWP which was in effect at the time the activity was completed continue to be authorized by that NWP.

You should carefully note that this NWP authorization is based upon your agreement to comply with the terms and conditions of this NWP including any and all attached project specific special conditions listed below. Initiation of any authorized work shall constitute your agreement to comply with all of the NWP's conditions. You should also note that the authorized work may be subject to periodic inspections by a representative of this office. The verification of a Nationwide Permit including all general and special conditions is not subject to appeal.

PROJECT SPECIFIC SPECIAL CONDITIONS:

1. All work performed in association with the above noted project shall be conducted at the locations shown on Enclosure 1. This authorization is for geotechnical/geophysical testing at 124 locations within the Atlantic Ocean.
2. Construction activities shall not result in the disturbance or alteration of greater than 0.1 acre of waters of the United States, at each test location.
3. Any deviation in construction methodology or project design from that shown on the above noted drawings or repair plan must be approved by this office, in writing, prior to performance of the work. All modifications to the above noted project plans shall be approved, in writing, by this office. No work shall be performed prior to written approval of this office.
4. This office shall be notified prior to the commencement of authorized work by completing and signing the enclosed Notification/ Certification of Work Commencement Form (Enclosure 2). This office shall also be notified within 10 days of the completion of the authorized work by completing and signing the enclosed Notification/Certification of Work Completion/Compliance Form (Enclosure 3). All notifications required by this condition shall be in writing. The Notification of Commencement of work may be sent to this office by facsimile or other electronic means; all other notification shall be transmitted to this office by registered mail. Oral notifications are not acceptable. Similar notification is required each time maintenance work is to be done under the terms of this Corps of Engineers permit.

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5. A minimum of 45 days prior to commencing work, the permittee/contractor shall request in writing, from the U.S. Coast Guard, that a Local Notice to Mariners be issued regarding the authorized construction work. This written request shall include the location of work, a description of the construction activities, the type of construction equipment to be used and expected duration of work in the waterway. The written request should be addressed to the following: Commander (dpw), Fifth Coast Guard District, Aids to Navigation Branch, Federal Building, 431 Crawford Street, Portsmouth, Virginia 23704-5004, FAX Number 757-398-6303 or email to cgd5waterways@uscg.mil.

6. All work shall be performed per the document entitled "COP Survey Plan Lease OCS-A 0482", submitted to the Bureau of Ocean Energy Management by: GSOE I, LLC, Submitted May 17, 2018, to insure impacts to unrecorded cultural resources will be minimized.

Any comments, positive or otherwise, on the procedures, timeliness, fairness, etc., may be submitted to PhiladelphiaDistrictRegulatory@usace.army.mil. You should also forward the signed Notification/Certification of Work Commencement Form to that email address. If you should have any questions regarding this matter, please contact Lawrence Slavitter at 215-656-6734 or write to the above address.

Sincerely,

SLAVITTER.LAWRE
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Lawrence Slavitter
Senior Staff Biologist

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Enclosures

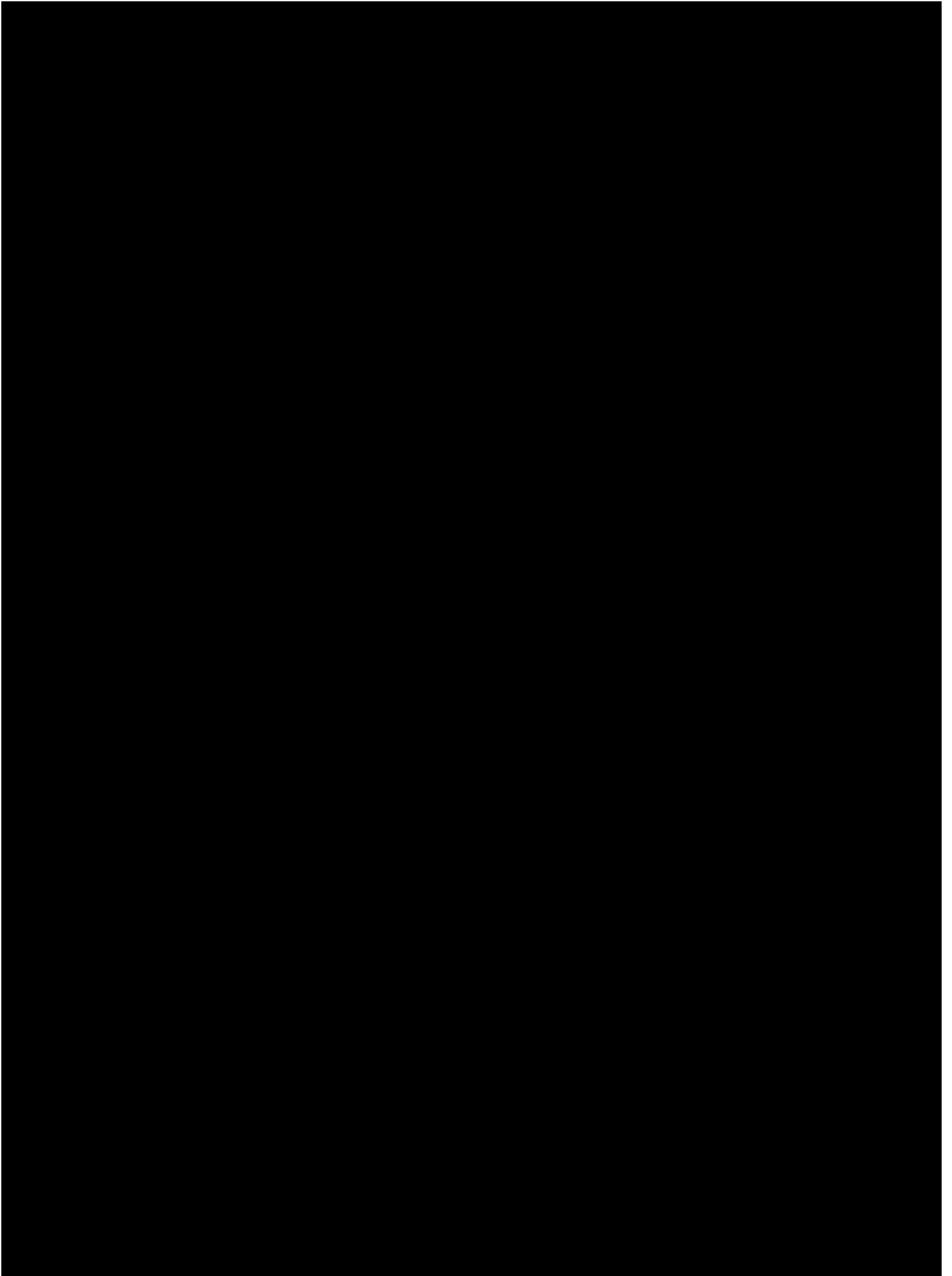
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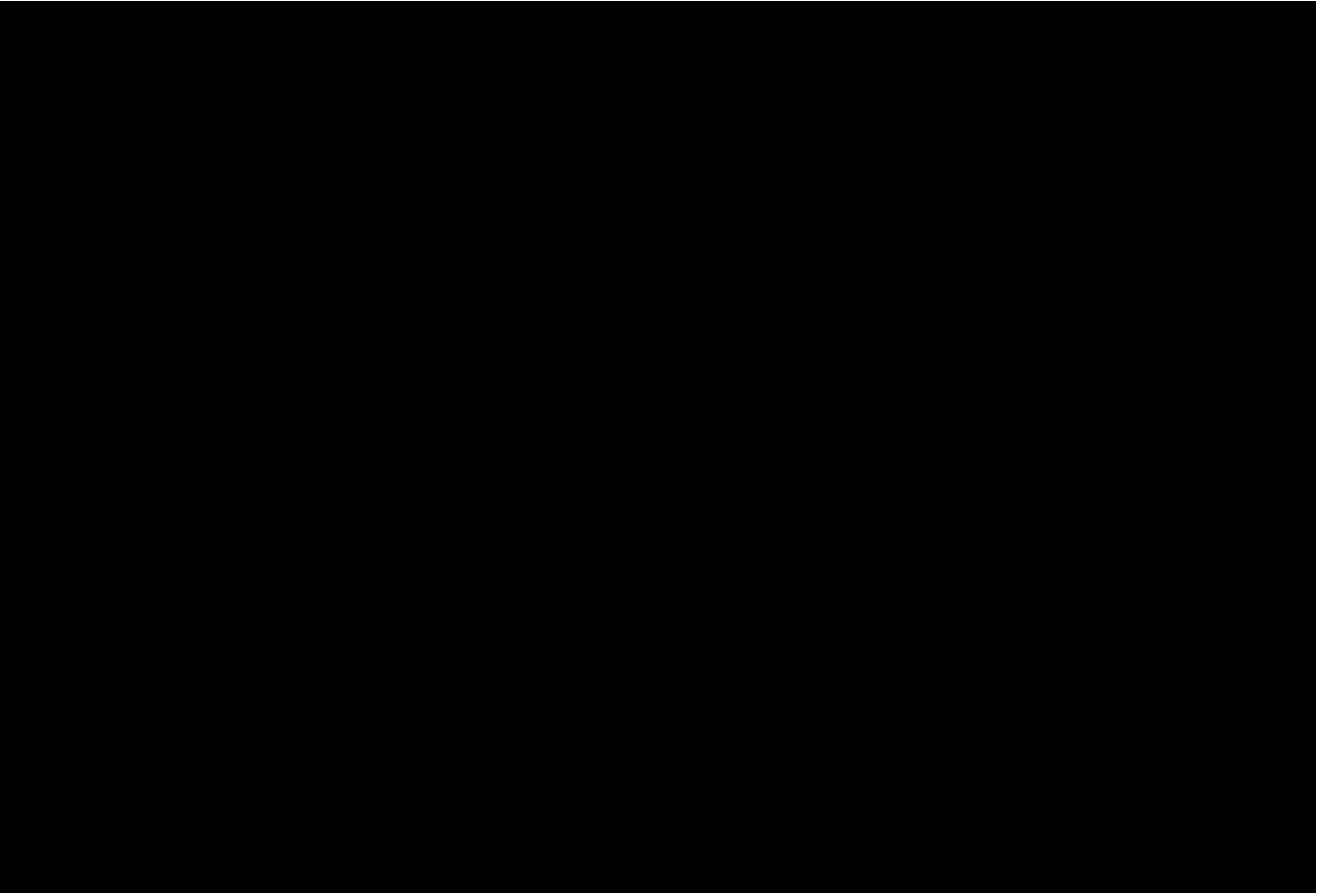
NJDEP (Janet Stewart)
NMFS, Gloucester, MA (Julie Crocker)
NMFS, Sandy Hook, NJ (Karen Greene)
NMFS, Annapolis (Keith Hanson)
USEPA, Region III, New York, NY
USFWS Galloway
USCG, Philadelphia
BOEM (Michelle Morin)

Appendix 13-7

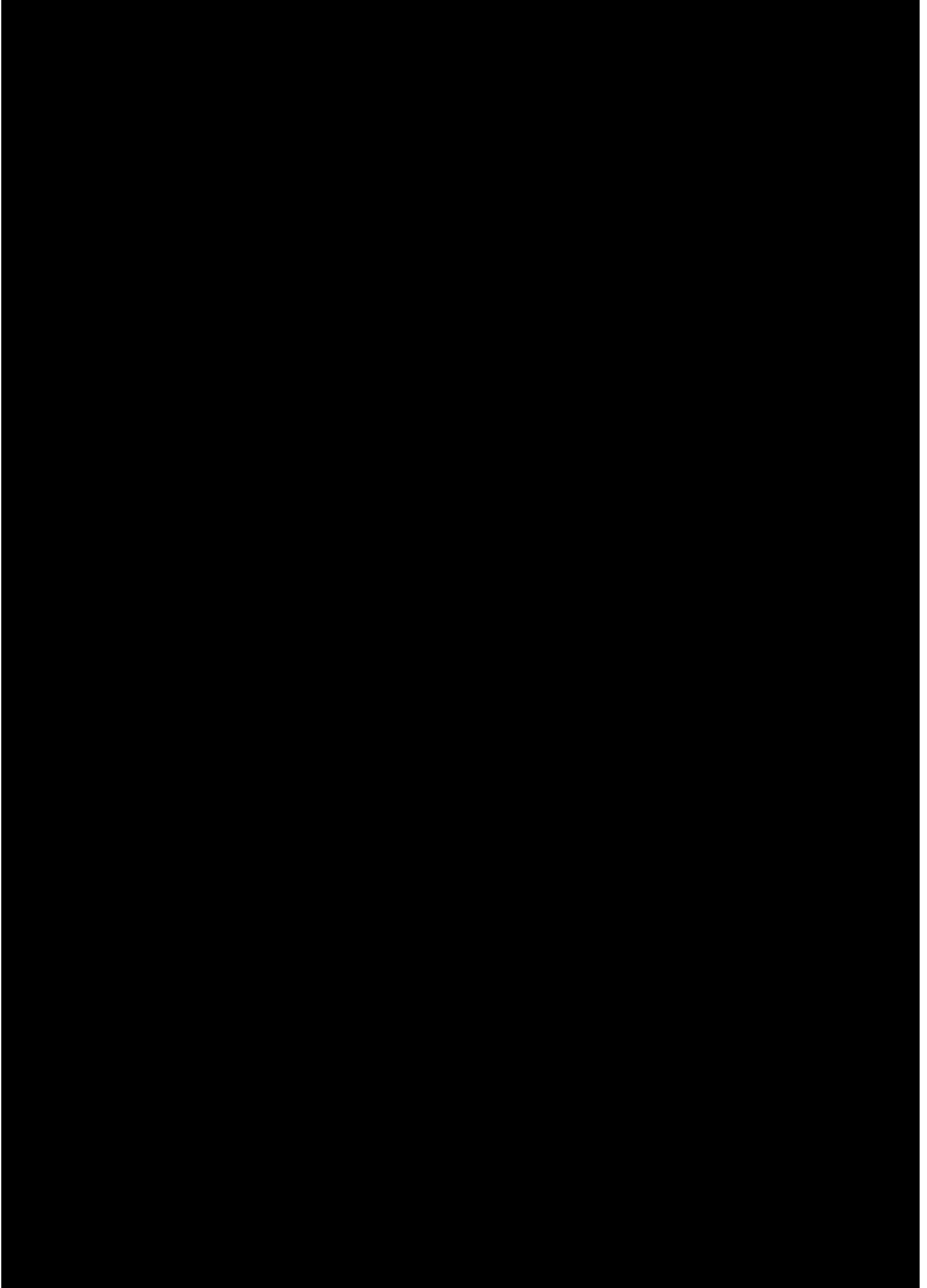


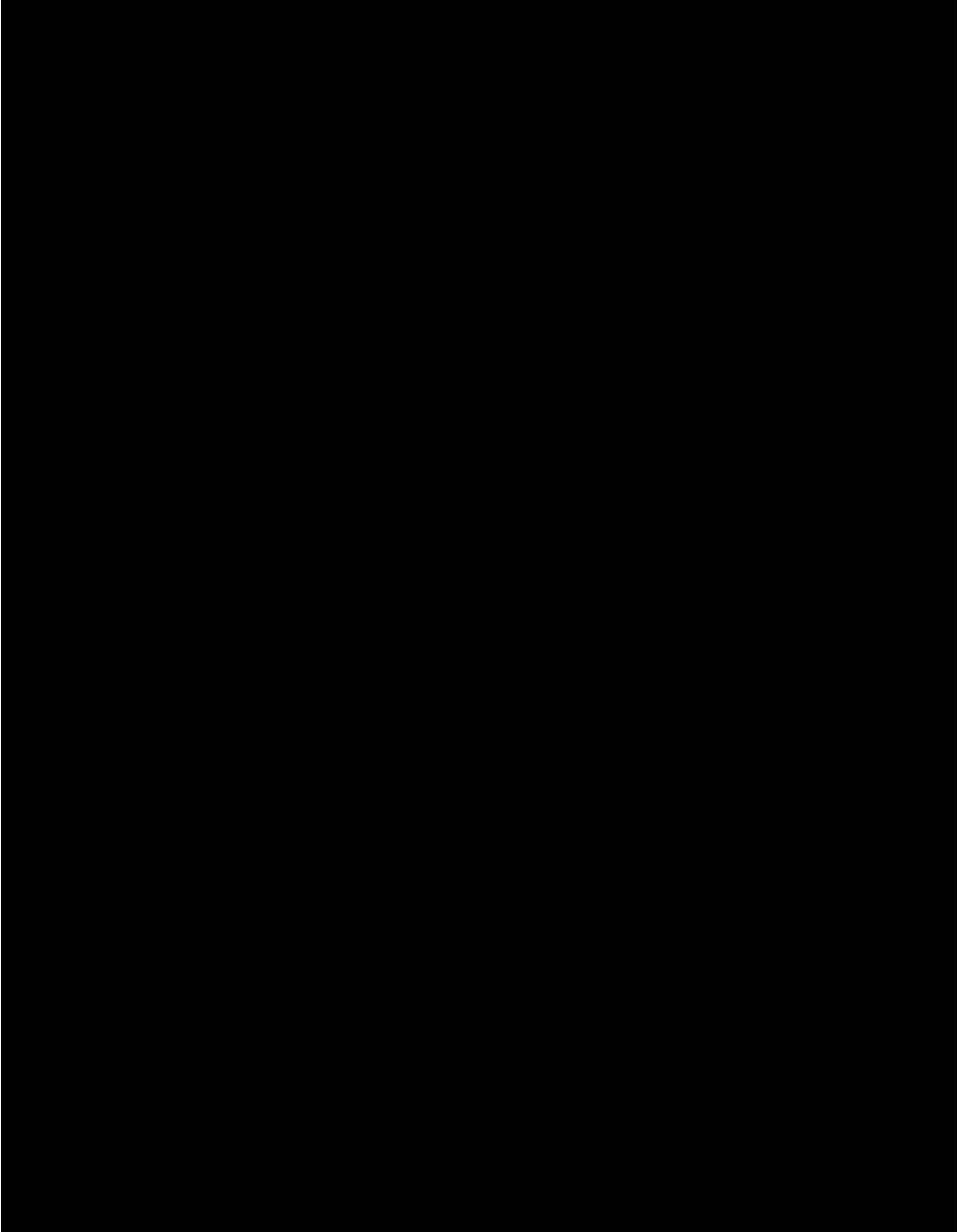


Appendix 13-7



Appendix 13-8



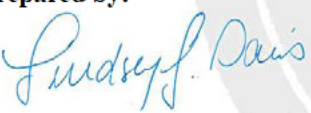




STATE OF NEW JERSEY
DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF LAND RESOURCE PROTECTION
 Mail Code 501-02A, P.O. Box 420, Trenton, New Jersey 08625-0420
 Telephone: (609) 777-0454 or Fax: (609) 777-3656
 www.nj.gov/dep/landuse



PERMIT

<p>In accordance with the laws and regulations of the State of New Jersey, the Department of Environmental Protection hereby grants this permit to perform the activities described below. This permit is revocable with due cause and is subject to the terms, conditions, and limitations listed below and on the attached pages. For the purpose of this document, "permit" means "approval, certification, registration, authorization, waiver, etc." Violation of any term, condition, or limitation of this permit is a violation of the implementing rules and may subject the permittee to enforcement action.</p>		<p>Approval Date July 6, 2020</p>
		<p>Expiration Date July 5, 2025</p>
<p>Permit Number(s): 0102-20-0008.1 LUP200001</p>	<p>Type of Approval(s): CZM GP23 Geotechnical Survey Borings Water Quality Certificate</p>	<p>Governing Rule(s): N.J.A.C. 7:7-1.1(a)</p>
<p>Permittee: Chris Hart c/o Atlantic Shores Offshore Wind 1 Dock 72 Floor 7 Brooklyn, New York 18940</p>	<p>Site Location: Block(s) & Lot(s): [N/A, N/A] Municipality: Atlantic City County: Atlantic</p>	
<p>Description of Authorized Activities:</p> <p>This document authorizes the permittee to conduct a maximum of ten (10) vibracore sediment samples, each with a four (4) inch radius and to a depth of approximately six (6) meters, within state waters in the Atlantic Ocean off the coast of Atlantic City within the sampling area shown on the approved plan.</p> <p>This authorization includes a Water Quality Certificate (WQC).</p> <p>This project is authorized under and in conditional compliance with the applicable Coastal Zone Management Rules (N.J.A.C. 7:7-1.1 et seq.), as amended on February 20, 2020, provided that all conditions to follow are met.</p>		
<p>Prepared by:  Lindsey J. Davis, Environmental Scientist 3</p>		<p>Received and/or Recorded by County Clerk:</p>
<p>If the permittee undertakes any regulated activity, project, or development authorized under this permit, such action shall constitute the permittee's acceptance of the permit in its entirety as well as the permittee's agreement to abide by the requirements of the permit and all conditions therein.</p>		
<p>This permit is not valid unless authorizing signature appears on the last page.</p>		

STATEMENT OF AUTHORIZED IMPACTS:

The authorized activities allow for the permittee to undertake impacts to regulated areas as described herein. Additional impacts to regulated areas without prior Department approval shall constitute a violation of the rules under which this document is issued and may subject the permittee and/or property owner to enforcement action, pursuant to N.J.A.C. 7:7-2.1.

SPECIAL CONDITIONS:

1. This permit is issued subject to obtaining approval from the U.S. Army Corps of Engineers.
2. Bore holes shall be back-filled to the original surface level with appropriate, non-contaminated, soil material.
 - a. Sand may not be used for backfilling in either freshwater or coastal wetlands. Restoration of all bore holes must maintain the hydrologic integrity of the wetlands. To avoid the potential for draining a wetland by puncturing a hard-pan or confining layer, all borings must be sealed with grout or bentonite in accordance with the Department's Water Monitoring Management Program rules, N.J.A.C. 7:9-6.
 - b. Water used to flush a boring may be discharged to the ground provided the boring is not conducted in proximity to a stream or in an area of hazardous waste or acid-producing soils. When the boring is performed in proximity to a stream, and water or drilling fluid is used to remove soil from the hole, the sediment-laden water shall not be allowed to flow overland such that it would enter the stream. Soil erosion and sediment control measures shall be used as necessary to contain/filter excess water. Drilling fluid shall be contained when working adjacent to a fish-populated watercourse during the relevant restricted period, and in any other situation where containment represents the only method of ensuring that there is no impact to adjacent streams.
3. The work authorized under the Coastal General Permit 23 shall comply with the conditions at N.J.A.C. 7:7-3.8 Conditions applicable to a permit-by-rule, or to an authorization pursuant to a general permit-by-certification or a general permit and N.J.A.C. 7:7-27.2 Conditions that apply to all coastal permits.

STANDARD CONDITIONS:

1. The issuance of a permit shall in no way expose the State of New Jersey or the Department to liability for the sufficiency or correctness of the design of any construction or structure(s). Neither the State nor the Department shall, in any way, be liable for any loss of life or property that may occur by virtue of the activity or project conducted as authorized under a permit.
2. The issuance of a permit does not convey any property rights or any exclusive privilege.
3. The permittee shall obtain all applicable Federal, State, and local approvals prior to commencement of regulated activities authorized under a permit.
4. A permittee conducting an activity involving soil disturbance, the creation of drainage structures, or changes in natural contours shall obtain any required approvals from the Soil Conservation District or designee having jurisdiction over the site.

5. The permittee shall take all reasonable steps to prevent, minimize, or correct any adverse impact on the environment resulting from activities conducted pursuant to the permit, or from noncompliance with the permit.
6. The permittee shall immediately inform the Department of any unanticipated adverse effects on the environment not described in the application or in the conditions of the permit. The Department may, upon discovery of such unanticipated adverse effects, and upon the failure of the permittee to submit a report thereon, notify the permittee of its intent to suspend the permit.
7. The permittee shall immediately inform the Department by telephone at (877) 927-6337 (WARN DEP hotline) of any noncompliance that may endanger public health, safety, and welfare, or the environment. The permittee shall inform the Division of Land Resource Protection by telephone at (609) 777-0454 of any other noncompliance within two working days of the time the permittee becomes aware of the noncompliance, and in writing within five working days of the time the permittee becomes aware of the noncompliance. Such notice shall not, however, serve as a defense to enforcement action if the project is found to be in violation of this chapter. The written notice shall include:
 - i. A description of the noncompliance and its cause;
 - ii. The period of noncompliance, including exact dates and times;
 - iii. If the noncompliance has not been corrected, the anticipated length of time it is expected to continue; and
 - iv. The steps taken or planned to reduce, eliminate, and prevent recurrence of the noncompliance.
8. Any noncompliance with a permit constitutes a violation of this chapter and is grounds for enforcement action, as well as, in the appropriate case, suspension and/or termination of the permit.
9. It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the authorized activity in order to maintain compliance with the conditions of the permit.
10. The permittee shall employ appropriate measures to minimize noise where necessary during construction, as specified in N.J.S.A. 13:1G-1 et seq. and N.J.A.C. 7:29.
11. The issuance of a permit does not relinquish the State's tidelands ownership or claim to any portion of the subject property or adjacent properties.
12. The issuance of a permit does not relinquish public rights to access and use tidal waterways and their shores.
13. The permittee shall allow an authorized representative of the Department, upon the presentation of credentials, to:
 - i. Enter upon the permittee's premises where a regulated activity, project, or development is located or conducted, or where records must be kept under the conditions of the permit;
 - ii. Have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit; and

- iii. Inspect, at reasonable times, any facilities, equipment, practices, or operations regulated or required under the permit. Failure to allow reasonable access under this paragraph shall be considered a violation of this chapter and subject the permittee to enforcement action.
14. The permittee shall not cause or allow any unreasonable interference with the free flow of a regulated water by placing or dumping any materials, equipment, debris or structures within or adjacent to the channel while the regulated activity, project, or development is being undertaken. Upon completion of the regulated activity, project, or development, the permittee shall remove and dispose of in a lawful manner all excess materials, debris, equipment, and silt fences and other temporary soil erosion and sediment control devices from all regulated areas.
15. The permittee and its contractors and subcontractors shall comply with all conditions, site plans, and supporting documents approved by the permit.
16. All conditions, site plans, and supporting documents approved by a permit shall remain in full force and effect, so long as the regulated activity, project, or development, or any portion thereof, is in existence, unless the permit is modified pursuant to the rules governing the herein approved permits.
17. The permittee shall perform any mitigation required under the permit in accordance with the rules governing the herein approved permits.
18. If any condition or permit is determined to be legally unenforceable, modifications and additional conditions may be imposed by the Department as necessary to protect public health, safety, and welfare, or the environment.
19. Any permit condition that does not establish a specific timeframe within which the condition must be satisfied (for example, prior to commencement of construction) shall be satisfied within six months of the effective date of the permit.
20. A copy of the permit and all approved site plans and supporting documents shall be maintained at the site at all times and made available to Department representatives or their designated agents immediately upon request.
21. The permittee shall provide monitoring results to the Department at the intervals specified in the permit.
22. A permit shall be transferred to another person only in accordance with the rules governing the herein approved permits.
23. A permit can be modified, suspended, or terminated by the Department for cause.
24. The submittal of a request to modify a permit by the permittee, or a notification of planned changes or anticipated noncompliance, does not stay any condition of a permit.
25. Where the permittee becomes aware that it failed to submit any relevant facts in an application, or submitted incorrect information in an application or in any report to the Department, it shall promptly submit such facts or information.
26. The permittee shall submit written notification to the Bureau of Coastal and Land Use Compliance and Enforcement, 401 East State Street, 4th Floor, PO Box 420, Mail Code 401-04C, Trenton, NJ 08625, at least three working days prior to the commencement of regulated activities.

27. The permittee shall record the permit, including all conditions listed therein, with the Office of the County Clerk (the Registrar of Deeds and Mortgages, if applicable) of each county in which the site is located. The permit shall be recorded within 30 calendar days of receipt by the permittee, unless the permit authorizes activities within two or more counties, in which case the permit shall be recorded within 90 calendar days of receipt. Upon completion of all recording, a copy of the recorded permit shall be forwarded to the Division of Land Resource Protection at the address listed on page one of this permit.

APPROVED PLAN(S):

The drawing(s) hereby approved consist of one (1) sheet(s) prepared by Scott McBurney, PWS from Environmental Design & Research, signed on 07/01/2020, unrevised, and entitled:

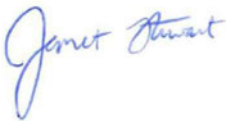
“ATLANTIC SHORES – CARDIFF EXPORT CABLE VIBRACORE SITE SAMPLING PLAN, ATLANTIC CITY, ATLANTIC COUNTY, NEW JERSEY”

APPEAL OF DECISION:

Any person who is aggrieved by this decision may submit an adjudicatory hearing request within 30 calendar days after public notice of the decision is published in the DEP Bulletin (available at www.nj.gov/dep/bulletin). If a person submits the hearing request after this time, the Department shall deny the request. The hearing request must include a completed copy of the Administrative Hearing Request Checklist (available at www.nj.gov/dep/landuse/forms.html). A person requesting an adjudicatory hearing shall submit the original hearing request to: NJDEP Office of Legal Affairs, Attention: Adjudicatory Hearing Requests, Mail Code 401-04L, P.O. Box 402, 401 East State Street, 7th Floor, Trenton, NJ 08625-0402. Additionally, a copy of the hearing request shall be submitted to the Director of the Division of Land Resource Protection at the address listed on page one of this permit. In addition to your hearing request, you may file a request with the Office of Dispute Resolution to engage in alternative dispute resolution. Please see www.nj.gov/dep/odr for more information on this process.

If you need clarification on any section of this permit or conditions, please contact the Division of Land Resource Protection’s Technical Support Call Center at (609) 777-0454.

Approved By:



Digitally signed by Janet
Stewart
Date: 2020.07.06 14:07:58
-04'00'

Janet L. Stewart, Section Chief
Division of Land Resource Protection

- c: Municipal Clerk, Atlantic City
Municipal Construction Official, Atlantic City
Agent (original) – Scott McBurney, PWS



STATE OF NEW JERSEY
DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF LAND RESOURCE PROTECTION
 Mail Code 501-02A, P.O. Box 420, Trenton, New Jersey 08625-0420
 Telephone: (609) 777-0454 or Fax: (609) 777-3656
 www.nj.gov/dep/landuse



PERMIT

<p>In accordance with the laws and regulations of the State of New Jersey, the Department of Environmental Protection hereby grants this permit to perform the activities described below. This permit is revocable with due cause and is subject to the terms, conditions, and limitations listed below and on the attached pages. For the purpose of this document, "permit" means "approval, certification, registration, authorization, waiver, etc." Violation of any term, condition, or limitation of this permit is a violation of the implementing rules and may subject the permittee to enforcement action.</p>		<p>Approval Date July 13, 2020</p>
		<p>Expiration Date July 12, 2025</p>
<p>Permit Number(s): 1344-20-0002.1 LUP200001</p>	<p>Type of Approval(s): CZM GP23 Geotechnical Survey Borings</p>	<p>Governing Rule(s): N.J.A.C. 7:7-1.1(a)</p>
<p>Permittee: Chris Hart c/o Atlantic Shores Offshore Wind 1 Dock 72 Floor 7 Brooklyn, New York 18940</p>	<p>Site Location: Block(s) & Lot(s): [N/A, N/A] Municipalities: Sea Girt Borough, Manasquan Borough & Point Pleasant Beach Borough Counties: Monmouth & Ocean Counties</p>	
<p>Description of Authorized Activities:</p> <p>This document authorizes the permittee to conduct a maximum of ten (10) vibracore sediment samples, each with a four (4) inch radius and to a depth of approximately six (6) meters, within state waters in the Atlantic Ocean off the coast of Sea Girt, Manasquan & Point Pleasant Beach Boroughs within the sampling area shown on the approved plan.</p> <p>This project is authorized under and in conditional compliance with the applicable Coastal Zone Management Rules (N.J.A.C. 7:7-1.1 et seq.), as amended on February 20, 2020, provided that all conditions to follow are met.</p>		
<p>Prepared by:</p> <p style="text-align: center;"><i>Lindsey J. Davis</i></p> <p>Lindsey J. Davis, Environmental Scientist 3</p>		<p>Received and/or Recorded by County Clerk:</p>
<p>If the permittee undertakes any regulated activity, project, or development authorized under this permit, such action shall constitute the permittee's acceptance of the permit in its entirety as well as the permittee's agreement to abide by the requirements of the permit and all conditions therein.</p>		
<p>This permit is not valid unless authorizing signature appears on the last page.</p>		

STATEMENT OF AUTHORIZED IMPACTS:

The authorized activities allow for the permittee to undertake impacts to regulated areas as described herein. Additional impacts to regulated areas without prior Department approval shall constitute a violation of the rules under which this document is issued and may subject the permittee and/or property owner to enforcement action, pursuant to N.J.A.C. 7:7-2.1.

SPECIAL CONDITIONS:

1. This permit is issued subject to obtaining approval from the U.S. Army Corps of Engineers.
2. Bore holes shall be back-filled to the original surface level with appropriate, non-contaminated, soil material.
 - a. Sand may not be used for backfilling in either freshwater or coastal wetlands. Restoration of all bore holes must maintain the hydrologic integrity of the wetlands. To avoid the potential for draining a wetland by puncturing a hard-pan or confining layer, all borings must be sealed with grout or bentonite in accordance with the Department's Water Monitoring Management Program rules, N.J.A.C. 7:9-6.
 - b. Water used to flush a boring may be discharged to the ground provided the boring is not conducted in proximity to a stream or in an area of hazardous waste or acid-producing soils. When the boring is performed in proximity to a stream, and water or drilling fluid is used to remove soil from the hole, the sediment-laden water shall not be allowed to flow overland such that it would enter the stream. Soil erosion and sediment control measures shall be used as necessary to contain/filter excess water. Drilling fluid shall be contained when working adjacent to a fish-populated watercourse during the relevant restricted period, and in any other situation where containment represents the only method of ensuring that there is no impact to adjacent streams.
3. The work authorized under the Coastal General Permit 23 shall comply with the conditions at N.J.A.C. 7:7-3.8 Conditions applicable to a permit-by-rule, or to an authorization pursuant to a general permit-by-certification or a general permit and N.J.A.C. 7:7-27.2 Conditions that apply to all coastal permits.

STANDARD CONDITIONS:

1. The issuance of a permit shall in no way expose the State of New Jersey or the Department to liability for the sufficiency or correctness of the design of any construction or structure(s). Neither the State nor the Department shall, in any way, be liable for any loss of life or property that may occur by virtue of the activity or project conducted as authorized under a permit.
2. The issuance of a permit does not convey any property rights or any exclusive privilege.
3. The permittee shall obtain all applicable Federal, State, and local approvals prior to commencement of regulated activities authorized under a permit.
4. A permittee conducting an activity involving soil disturbance, the creation of drainage structures, or changes in natural contours shall obtain any required approvals from the Soil Conservation District or designee having jurisdiction over the site.

5. The permittee shall take all reasonable steps to prevent, minimize, or correct any adverse impact on the environment resulting from activities conducted pursuant to the permit, or from noncompliance with the permit.
6. The permittee shall immediately inform the Department of any unanticipated adverse effects on the environment not described in the application or in the conditions of the permit. The Department may, upon discovery of such unanticipated adverse effects, and upon the failure of the permittee to submit a report thereon, notify the permittee of its intent to suspend the permit.
7. The permittee shall immediately inform the Department by telephone at (877) 927-6337 (WARN DEP hotline) of any noncompliance that may endanger public health, safety, and welfare, or the environment. The permittee shall inform the Division of Land Resource Protection by telephone at (609) 777-0454 of any other noncompliance within two working days of the time the permittee becomes aware of the noncompliance, and in writing within five working days of the time the permittee becomes aware of the noncompliance. Such notice shall not, however, serve as a defense to enforcement action if the project is found to be in violation of this chapter. The written notice shall include:
 - i. A description of the noncompliance and its cause;
 - ii. The period of noncompliance, including exact dates and times;
 - iii. If the noncompliance has not been corrected, the anticipated length of time it is expected to continue; and
 - iv. The steps taken or planned to reduce, eliminate, and prevent recurrence of the noncompliance.
8. Any noncompliance with a permit constitutes a violation of this chapter and is grounds for enforcement action, as well as, in the appropriate case, suspension and/or termination of the permit.
9. It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the authorized activity in order to maintain compliance with the conditions of the permit.
10. The permittee shall employ appropriate measures to minimize noise where necessary during construction, as specified in N.J.S.A. 13:1G-1 et seq. and N.J.A.C. 7:29.
11. The issuance of a permit does not relinquish the State's tidelands ownership or claim to any portion of the subject property or adjacent properties.
12. The issuance of a permit does not relinquish public rights to access and use tidal waterways and their shores.
13. The permittee shall allow an authorized representative of the Department, upon the presentation of credentials, to:
 - i. Enter upon the permittee's premises where a regulated activity, project, or development is located or conducted, or where records must be kept under the conditions of the permit;
 - ii. Have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit; and

- iii. Inspect, at reasonable times, any facilities, equipment, practices, or operations regulated or required under the permit. Failure to allow reasonable access under this paragraph shall be considered a violation of this chapter and subject the permittee to enforcement action.
14. The permittee shall not cause or allow any unreasonable interference with the free flow of a regulated water by placing or dumping any materials, equipment, debris or structures within or adjacent to the channel while the regulated activity, project, or development is being undertaken. Upon completion of the regulated activity, project, or development, the permittee shall remove and dispose of in a lawful manner all excess materials, debris, equipment, and silt fences and other temporary soil erosion and sediment control devices from all regulated areas.
15. The permittee and its contractors and subcontractors shall comply with all conditions, site plans, and supporting documents approved by the permit.
16. All conditions, site plans, and supporting documents approved by a permit shall remain in full force and effect, so long as the regulated activity, project, or development, or any portion thereof, is in existence, unless the permit is modified pursuant to the rules governing the herein approved permits.
17. The permittee shall perform any mitigation required under the permit in accordance with the rules governing the herein approved permits.
18. If any condition or permit is determined to be legally unenforceable, modifications and additional conditions may be imposed by the Department as necessary to protect public health, safety, and welfare, or the environment.
19. Any permit condition that does not establish a specific timeframe within which the condition must be satisfied (for example, prior to commencement of construction) shall be satisfied within six months of the effective date of the permit.
20. A copy of the permit and all approved site plans and supporting documents shall be maintained at the site at all times and made available to Department representatives or their designated agents immediately upon request.
21. The permittee shall provide monitoring results to the Department at the intervals specified in the permit.
22. A permit shall be transferred to another person only in accordance with the rules governing the herein approved permits.
23. A permit can be modified, suspended, or terminated by the Department for cause.
24. The submittal of a request to modify a permit by the permittee, or a notification of planned changes or anticipated noncompliance, does not stay any condition of a permit.
25. Where the permittee becomes aware that it failed to submit any relevant facts in an application, or submitted incorrect information in an application or in any report to the Department, it shall promptly submit such facts or information.
26. The permittee shall submit written notification to the Bureau of Coastal and Land Use Compliance and Enforcement, 401 East State Street, 4th Floor, PO Box 420, Mail Code 401-04C, Trenton, NJ 08625, at least three working days prior to the commencement of regulated activities.

27. The permittee shall record the permit, including all conditions listed therein, with the Office of the County Clerk (the Registrar of Deeds and Mortgages, if applicable) of each county in which the site is located. The permit shall be recorded within 30 calendar days of receipt by the permittee, unless the permit authorizes activities within two or more counties, in which case the permit shall be recorded within 90 calendar days of receipt. Upon completion of all recording, a copy of the recorded permit shall be forwarded to the Division of Land Resource Protection at the address listed on page one of this permit.

APPROVED PLAN(S):

The drawing(s) hereby approved consist of one (1) sheet(s) prepared by Scott McBurney, PWS from Environmental Design & Research, signed on 07/01/2020, unrevised, and entitled:

“ATLANTIC SHORES – LARABEE EXPORT CABLE VIBRACORE SITE SAMPLING PLAN, BOROUGHES OF MANASQUAN, POINT PLEASANT BEACH AND SEA GIRT, MONMOUTH AND OCEAN COUNTIES, NEW JERSEY”

APPEAL OF DECISION:

Any person who is aggrieved by this decision may submit an adjudicatory hearing request within 30 calendar days after public notice of the decision is published in the DEP Bulletin (available at www.nj.gov/dep/bulletin). If a person submits the hearing request after this time, the Department shall deny the request. The hearing request must include a completed copy of the Administrative Hearing Request Checklist (available at www.nj.gov/dep/landuse/forms.html). A person requesting an adjudicatory hearing shall submit the original hearing request to: NJDEP Office of Legal Affairs, Attention: Adjudicatory Hearing Requests, Mail Code 401-04L, P.O. Box 402, 401 East State Street, 7th Floor, Trenton, NJ 08625-0402. Additionally, a copy of the hearing request shall be submitted to the Director of the Division of Land Resource Protection at the address listed on page one of this permit. In addition to your hearing request, you may file a request with the Office of Dispute Resolution to engage in alternative dispute resolution. Please see www.nj.gov/dep/odr for more information on this process.

If you need clarification on any section of this permit or conditions, please contact the Division of Land Resource Protection's Technical Support Call Center at (609) 777-0454.

Approved By:



Digitally signed by Janet Stewart
Date: 2020.07.13 10:05:48 -04'00'

Janet L. Stewart, Section Chief
Division of Land Resource Protection


- c: Municipal Clerk, Sea Girt, Manasquan & Point Pleasant Beach Boroughs
Municipal Construction Official, Sea Girt, Manasquan & Point Pleasant Beach Boroughs
Agent (original) – Scott McBurney, PWS



STATE OF NEW JERSEY
DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF LAND RESOURCE PROTECTION
 Mail Code 501-02A, P.O. Box 420, Trenton, New Jersey 08625-0420
 Telephone: (609) 777-0454 or Fax: (609) 777-3656
 www.nj.gov/dep/landuse



PERMIT

<p>In accordance with the laws and regulations of the State of New Jersey, the Department of Environmental Protection hereby grants this permit to perform the activities described below. This permit is revocable with due cause and is subject to the terms, conditions, and limitations listed below and on the attached pages. For the purpose of this document, "permit" means "approval, certification, registration, authorization, waiver, etc." Violation of any term, condition, or limitation of this permit is a violation of the implementing rules and may subject the permittee to enforcement action.</p>		Approval Date December 1, 2020
		Expiration Date November 30, 2025
Permit Number(s): 1344-20-0005.1 LUP200001	Type of Approval(s): CZM GP23 Geotechnical Survey Borings	Governing Rule(s): N.J.A.C. 7:7-1.1(a)
Permittee: Chris Hart c/o Atlantic Shores Offshore Wind, LLC 1 Dock 72, Floor 7 Brooklyn, New York 11205	Site Location: Block(s) & Lot(s): [N/A, N/A] Municipality: Sea Girt Borough, Manasquan Borough & Point Pleasant Beach Borough County: Monmouth & Ocean Counties	
Description of Authorized Activities: <p>This document legalizes the conducted ten (10) vibracore sediment samples, each with a four (4) inch radius and to a depth of approximately six (6) meters, within state waters in the Atlantic Ocean off the coast of Sea Girt, Manasquan & Point Pleasant Beach Boroughs within the expanded sampling area shown on the approved plan.</p> <p>This project is authorized under and in conditional compliance with the applicable Coastal Zone Management Rules (N.J.A.C. 7:7-1.1 et seq.), as amended on February 20, 2020, provided that all conditions to follow are met.</p>		
Prepared by:  Lindsey J. Davis, Environmental Scientist 3	Received and/or Recorded by County Clerk:	
<p>If the permittee undertakes any regulated activity, project, or development authorized under this permit, such action shall constitute the permittee's acceptance of the permit in its entirety as well as the permittee's agreement to abide by the requirements of the permit and all conditions therein.</p>		
This permit is not valid unless authorizing signature appears on the last page.		

STATEMENT OF AUTHORIZED IMPACTS:

The authorized activities allow for the permittee to undertake impacts to regulated areas as described below. Additional impacts to regulated areas without prior Department approval shall constitute a violation of the rules under which this document is issued and may subject the permittee and/or property owner to enforcement action, pursuant to N.J.A.C. 7:7-2.1.

SPECIAL CONDITIONS:

1. This permit is issued subject to obtaining approval from the U.S. Army Corps of Engineers.
2. Bore holes shall be back-filled to the original surface level with appropriate, non-contaminated, soil material.
 - a. Sand may not be used for backfilling in either freshwater or coastal wetlands. Restoration of all bore holes must maintain the hydrologic integrity of the wetlands. To avoid the potential for draining a wetland by puncturing a hard-pan or confining layer, all borings must be sealed with grout or bentonite in accordance with the Department's Water Monitoring Management Program rules, N.J.A.C. 7:9-6.
 - b. Water used to flush a boring may be discharged to the ground provided the boring is not conducted in proximity to a stream or in an area of hazardous waste or acid-producing soils. When the boring is performed in proximity to a stream, and water or drilling fluid is used to remove soil from the hole, the sediment-laden water shall not be allowed to flow overland such that it would enter the stream. Soil erosion and sediment control measures shall be used as necessary to contain/filter excess water. Drilling fluid shall be contained when working adjacent to a fish-populated watercourse during the relevant restricted period, and in any other situation where containment represents the only method of ensuring that there is no impact to adjacent streams.
3. The work legalized under this Coastal General Permit 23 shall comply with the conditions at N.J.A.C. 7:7-3.8 Conditions applicable to a permit-by-rule, or to an authorization pursuant to a general permit-by-certification or a general permit and N.J.A.C. 7:7-27.2 Conditions that apply to all coastal permits.

STANDARD CONDITIONS:

1. The issuance of a permit shall in no way expose the State of New Jersey or the Department to liability for the sufficiency or correctness of the design of any construction or structure(s). Neither the State nor the Department shall, in any way, be liable for any loss of life or property that may occur by virtue of the activity or project conducted as authorized under a permit.
2. The issuance of a permit does not convey any property rights or any exclusive privilege.
3. The permittee shall obtain all applicable Federal, State, and local approvals prior to commencement of regulated activities authorized under a permit.
4. A permittee conducting an activity involving soil disturbance, the creation of drainage structures, or changes in natural contours shall obtain any required approvals from the Soil Conservation District or designee having jurisdiction over the site.

5. The permittee shall take all reasonable steps to prevent, minimize, or correct any adverse impact on the environment resulting from activities conducted pursuant to the permit, or from noncompliance with the permit.
6. The permittee shall immediately inform the Department of any unanticipated adverse effects on the environment not described in the application or in the conditions of the permit. The Department may, upon discovery of such unanticipated adverse effects, and upon the failure of the permittee to submit a report thereon, notify the permittee of its intent to suspend the permit.
7. The permittee shall immediately inform the Department by telephone at (877) 927-6337 (WARN DEP hotline) of any noncompliance that may endanger public health, safety, and welfare, or the environment. The permittee shall inform the Division of Land Resource Protection by telephone at (609) 777-0454 of any other noncompliance within two working days of the time the permittee becomes aware of the noncompliance, and in writing within five working days of the time the permittee becomes aware of the noncompliance. Such notice shall not, however, serve as a defense to enforcement action if the project is found to be in violation of this chapter. The written notice shall include:
 - i. A description of the noncompliance and its cause;
 - ii. The period of noncompliance, including exact dates and times;
 - iii. If the noncompliance has not been corrected, the anticipated length of time it is expected to continue; and
 - iv. The steps taken or planned to reduce, eliminate, and prevent recurrence of the noncompliance.
8. Any noncompliance with a permit constitutes a violation of this chapter and is grounds for enforcement action, as well as, in the appropriate case, suspension and/or termination of the permit.
9. It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the authorized activity in order to maintain compliance with the conditions of the permit.
10. The permittee shall employ appropriate measures to minimize noise where necessary during construction, as specified in N.J.S.A. 13:1G-1 et seq. and N.J.A.C. 7:29.
11. The issuance of a permit does not relinquish the State's tidelands ownership or claim to any portion of the subject property or adjacent properties.
12. The issuance of a permit does not relinquish public rights to access and use tidal waterways and their shores.
13. The permittee shall allow an authorized representative of the Department, upon the presentation of credentials, to:
 - i. Enter upon the permittee's premises where a regulated activity, project, or development is located or conducted, or where records must be kept under the conditions of the permit;
 - ii. Have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit; and

- iii. Inspect, at reasonable times, any facilities, equipment, practices, or operations regulated or required under the permit. Failure to allow reasonable access under this paragraph shall be considered a violation of this chapter and subject the permittee to enforcement action.
14. The permittee shall not cause or allow any unreasonable interference with the free flow of a regulated water by placing or dumping any materials, equipment, debris or structures within or adjacent to the channel while the regulated activity, project, or development is being undertaken. Upon completion of the regulated activity, project, or development, the permittee shall remove and dispose of in a lawful manner all excess materials, debris, equipment, and silt fences and other temporary soil erosion and sediment control devices from all regulated areas.
15. The permittee and its contractors and subcontractors shall comply with all conditions, site plans, and supporting documents approved by the permit.
16. All conditions, site plans, and supporting documents approved by a permit shall remain in full force and effect, so long as the regulated activity, project, or development, or any portion thereof, is in existence, unless the permit is modified pursuant to the rules governing the herein approved permits.
17. The permittee shall perform any mitigation required under the permit in accordance with the rules governing the herein approved permits.
18. If any condition or permit is determined to be legally unenforceable, modifications and additional conditions may be imposed by the Department as necessary to protect public health, safety, and welfare, or the environment.
19. Any permit condition that does not establish a specific timeframe within which the condition must be satisfied (for example, prior to commencement of construction) shall be satisfied within six months of the effective date of the permit.
20. A copy of the permit and all approved site plans and supporting documents shall be maintained at the site at all times and made available to Department representatives or their designated agents immediately upon request.
21. The permittee shall provide monitoring results to the Department at the intervals specified in the permit.
22. A permit shall be transferred to another person only in accordance with the rules governing the herein approved permits.
23. A permit can be modified, suspended, or terminated by the Department for cause.
24. The submittal of a request to modify a permit by the permittee, or a notification of planned changes or anticipated noncompliance, does not stay any condition of a permit.
25. Where the permittee becomes aware that it failed to submit any relevant facts in an application, or submitted incorrect information in an application or in any report to the Department, it shall promptly submit such facts or information.
26. The permittee shall submit written notification to the Bureau of Coastal and Land Use Compliance and Enforcement, 401 East State Street, 4th Floor, PO Box 420, Mail Code 401-04C, Trenton, NJ 08625, at least three working days prior to the commencement of regulated activities.

27. The permittee shall record the permit, including all conditions listed therein, with the Office of the County Clerk (the Registrar of Deeds and Mortgages, if applicable) of each county in which the site is located. The permit shall be recorded within 30 calendar days of receipt by the permittee, unless the permit authorizes activities within two or more counties, in which case the permit shall be recorded within 90 calendar days of receipt. Upon completion of all recording, a copy of the recorded permit shall be forwarded to the Division of Land Resource Protection at the address listed on page one of this permit.

APPROVED PLAN(S):

The drawing(s) hereby approved consist of one (1) sheet(s) prepared by Scott McBurney, PWS from Environmental Design & Research, signed on 10/22/2020, unrevised, and entitled:

“ATLANTIC SHORES – LARRABEE EXPORT CABLE VIBRACORE SITE SAMPLING PLAN, BOROUGH OF SEA GIRT AND MANASQUAN, MONMOUTH COUNTY AND BOROUGH OF POINT PLEASANT AND BAY HEAD, OCEAN COUNTY, NEW JERSEY”

APPEAL OF DECISION:

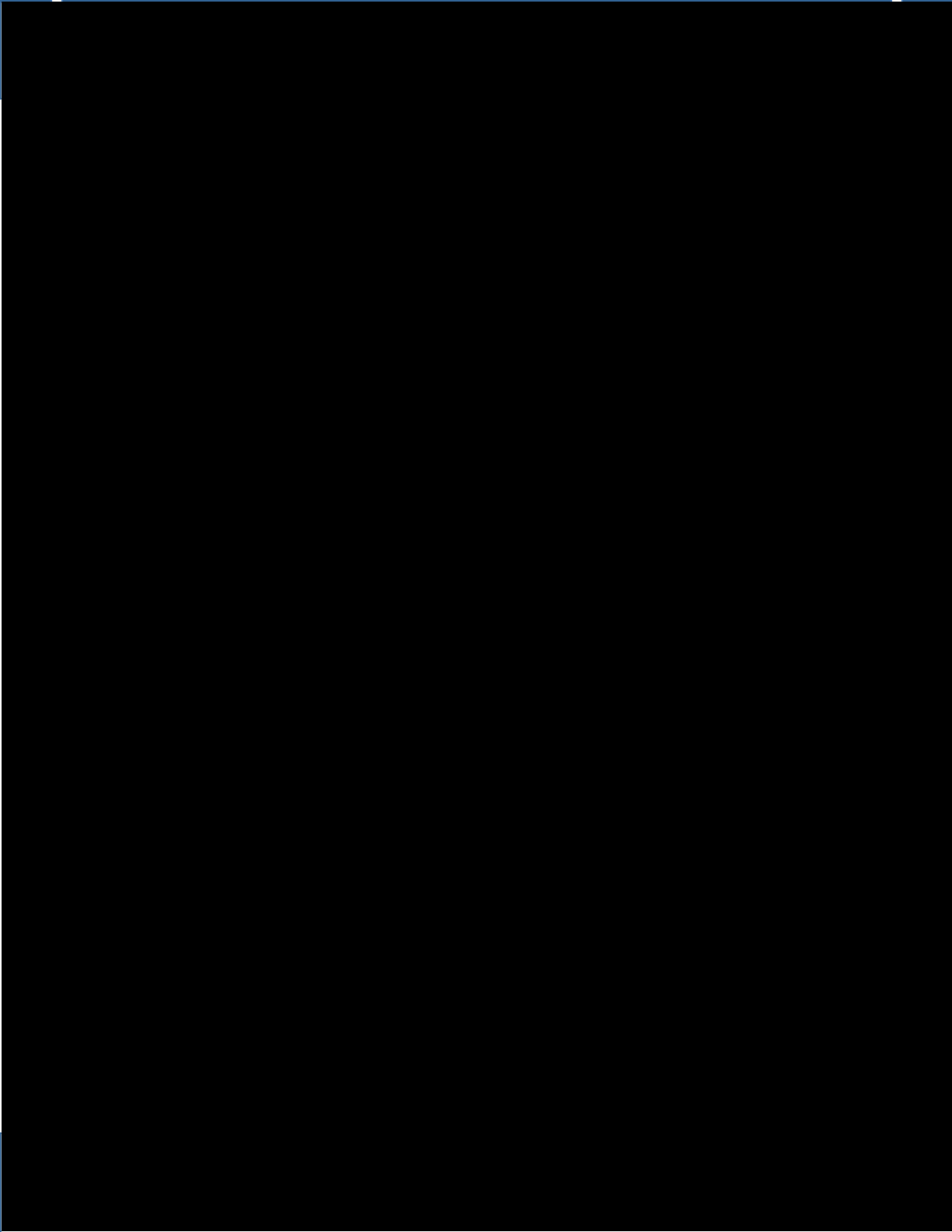
Any person who is aggrieved by this decision may submit an adjudicatory hearing request within 30 calendar days after public notice of the decision is published in the DEP Bulletin (available at www.nj.gov/dep/bulletin). If a person submits the hearing request after this time, the Department shall deny the request. The hearing request must include a completed copy of the Administrative Hearing Request Checklist (available at www.nj.gov/dep/landuse/forms.html). A person requesting an adjudicatory hearing shall submit the original hearing request to: NJDEP Office of Legal Affairs, Attention: Adjudicatory Hearing Requests, Mail Code 401-04L, P.O. Box 402, 401 East State Street, 7th Floor, Trenton, NJ 08625-0402. Additionally, a copy of the hearing request shall be submitted to the Director of the Division of Land Resource Protection at the address listed on page one of this permit. In addition to your hearing request, you may file a request with the Office of Dispute Resolution to engage in alternative dispute resolution. Please see www.nj.gov/dep/odr for more information on this process.

If you need clarification on any section of this permit or conditions, please contact the Division of Land Resource Protection's Technical Support Call Center at (609) 777-0454.

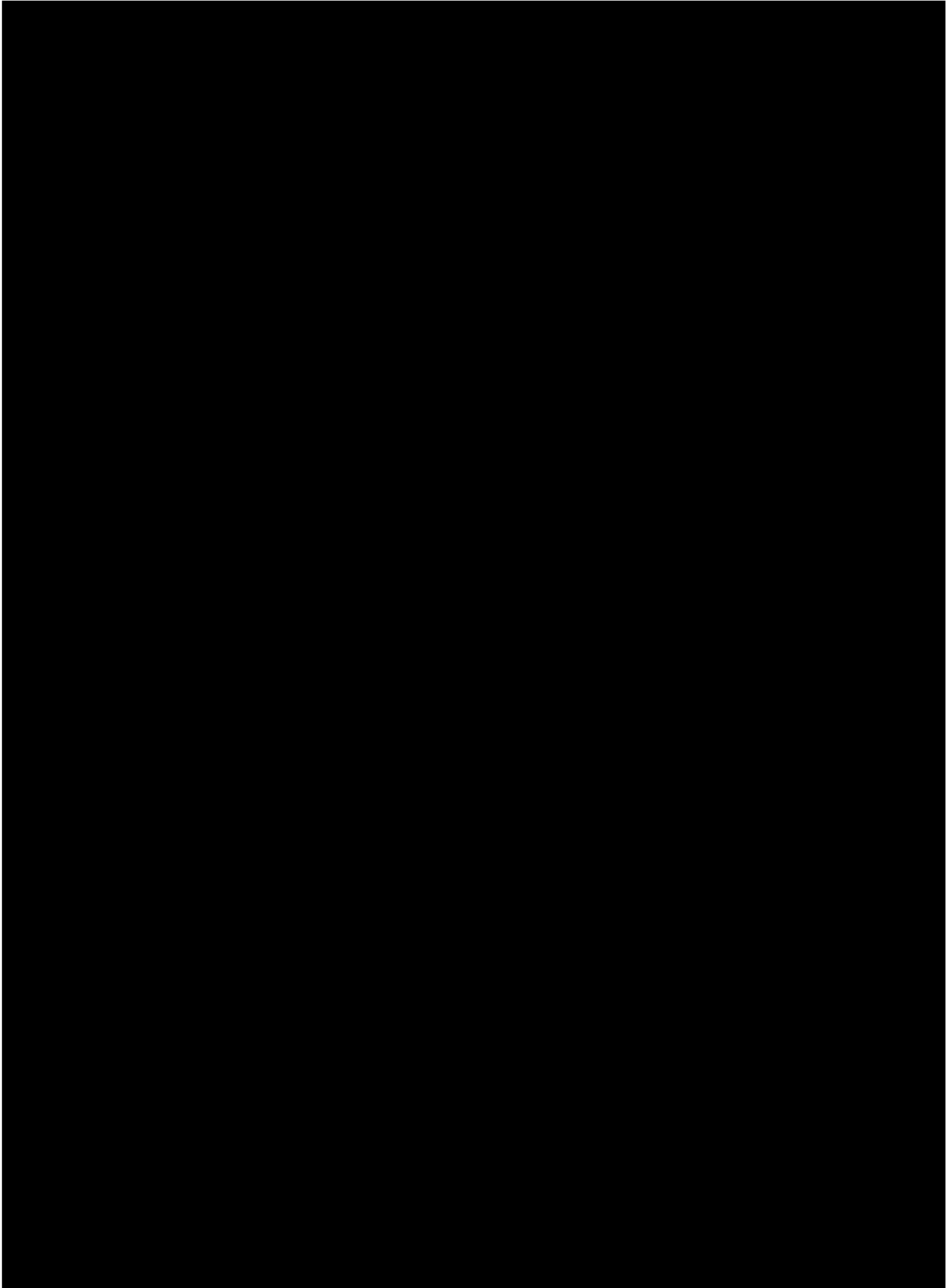
Approved By:

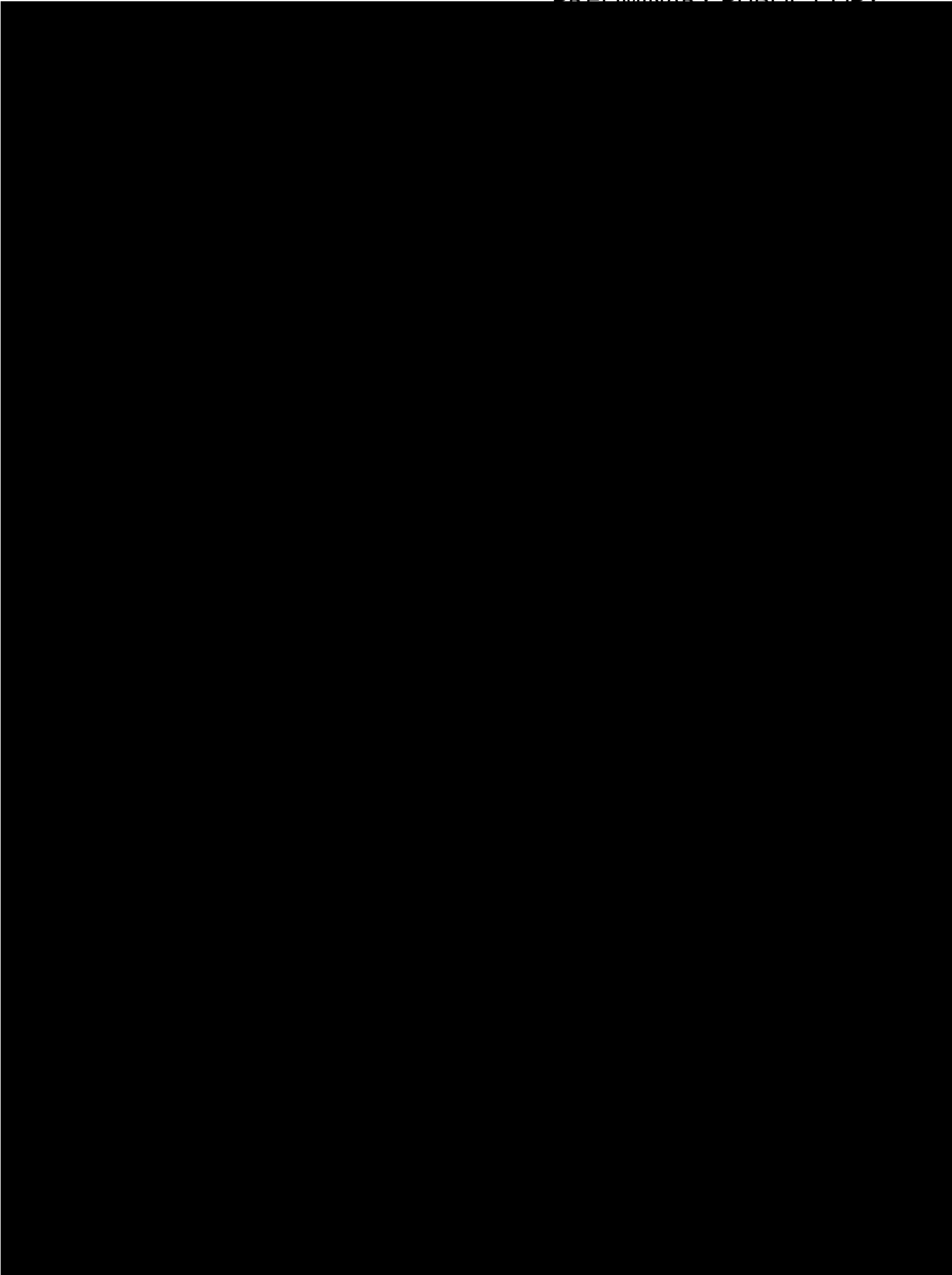
Janet L. Stewart, Section Chief
Division of Land Resource Protection

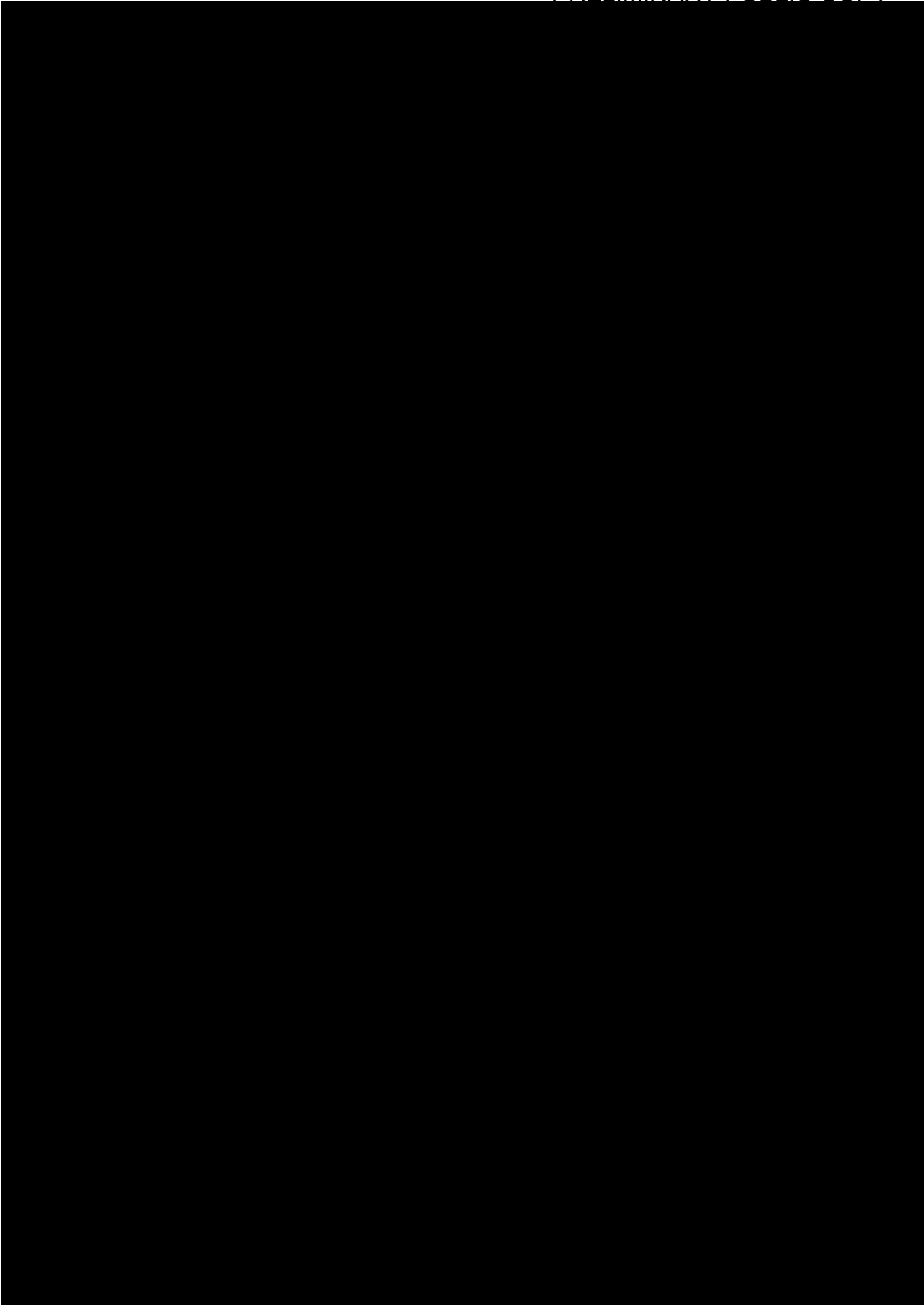
c: Municipal Clerk, Sea Girt, Manasquan & Point Pleasant Beach Boroughs
Municipal Construction Official, Sea Girt, Manasquan & Point Pleasant Beach
Agent (original) – Scott McBurney, PWS

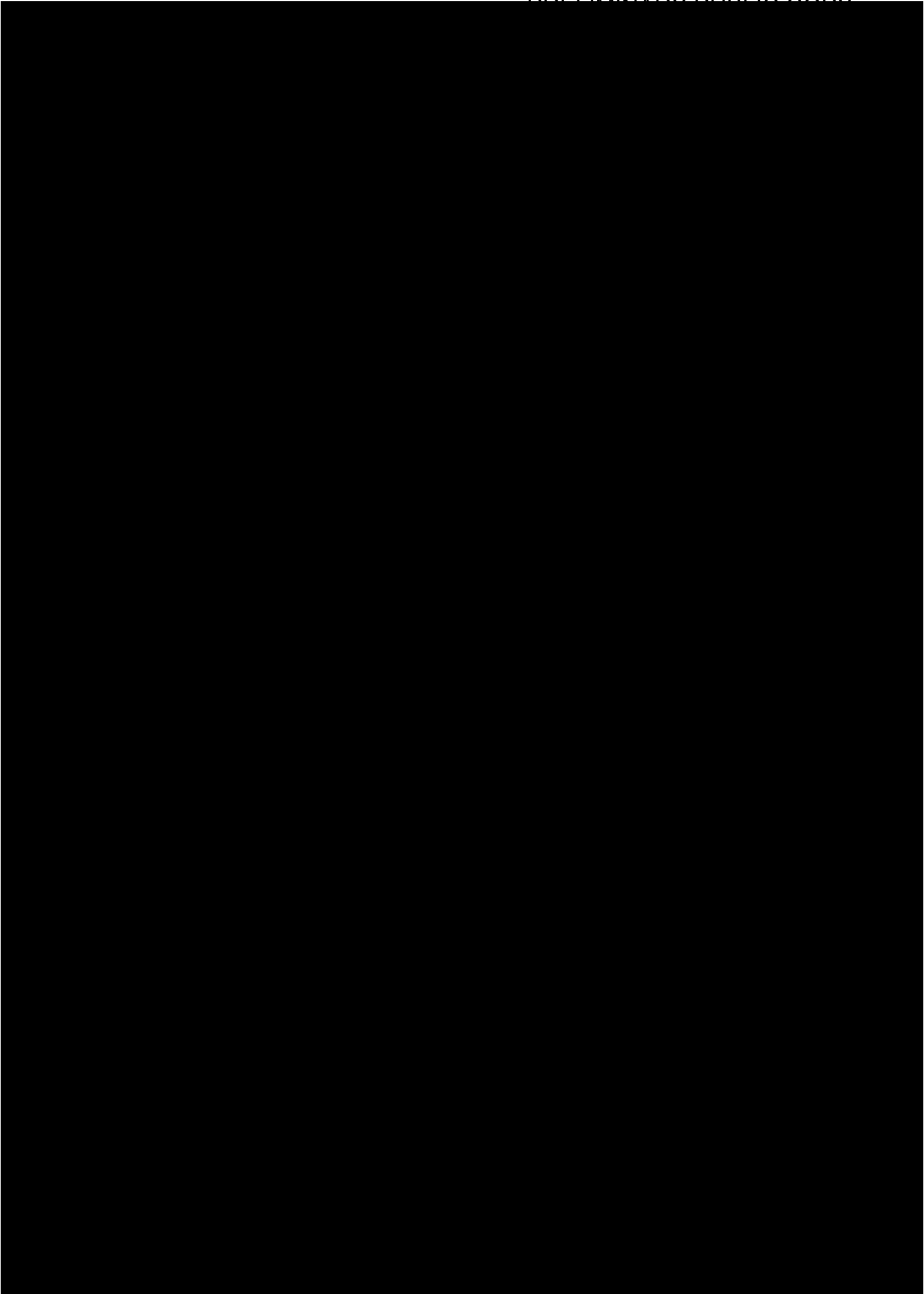


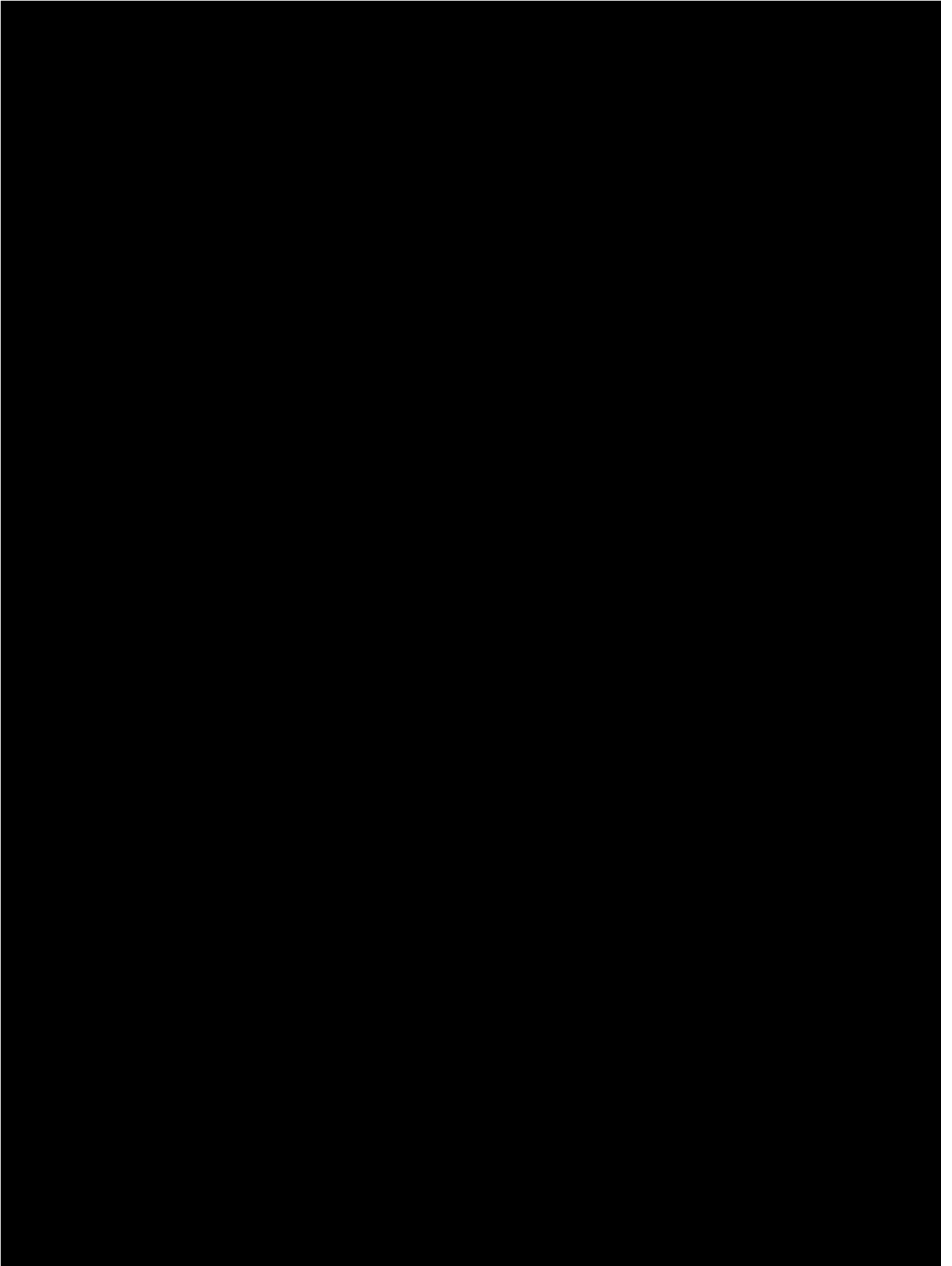


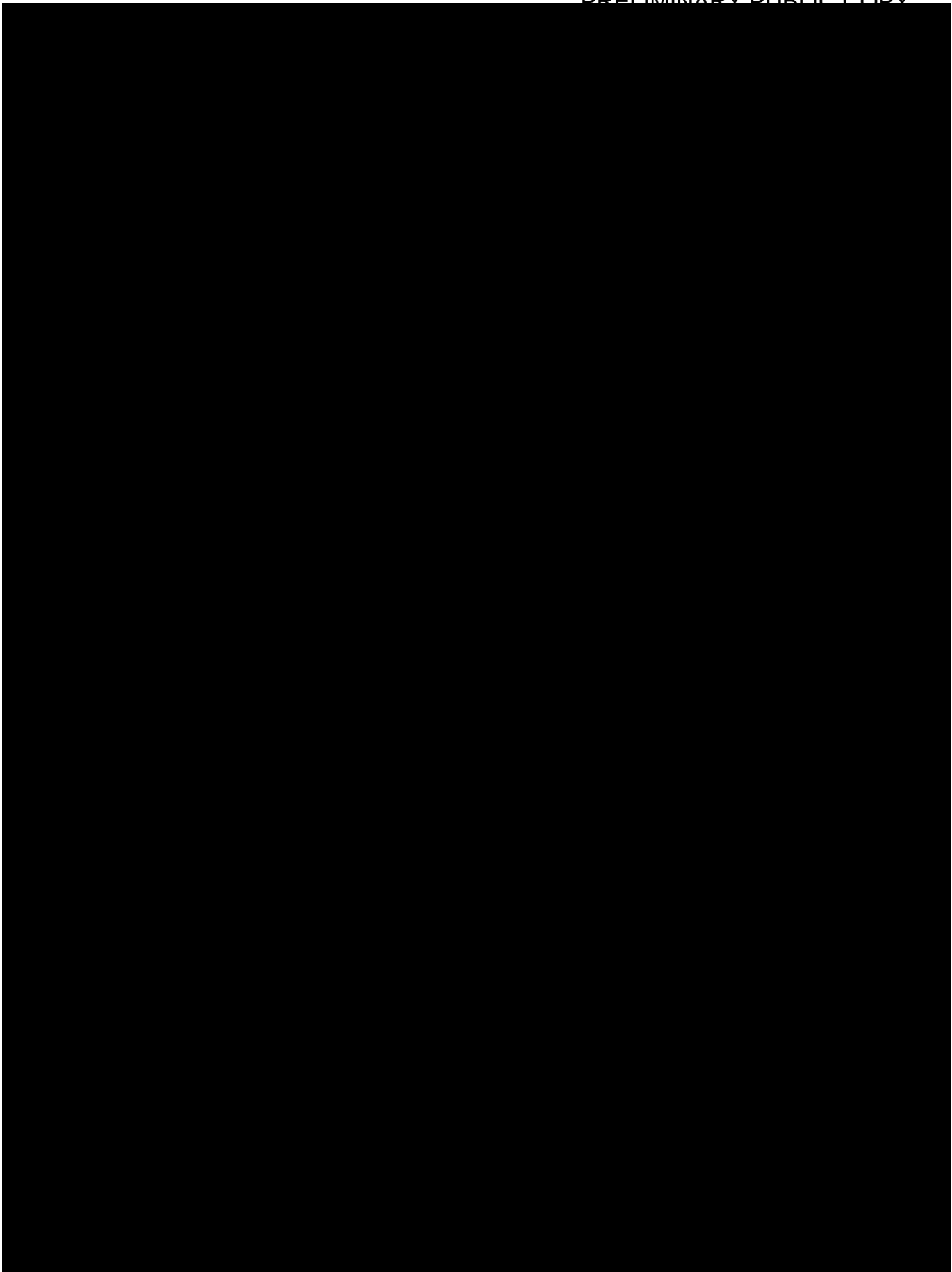


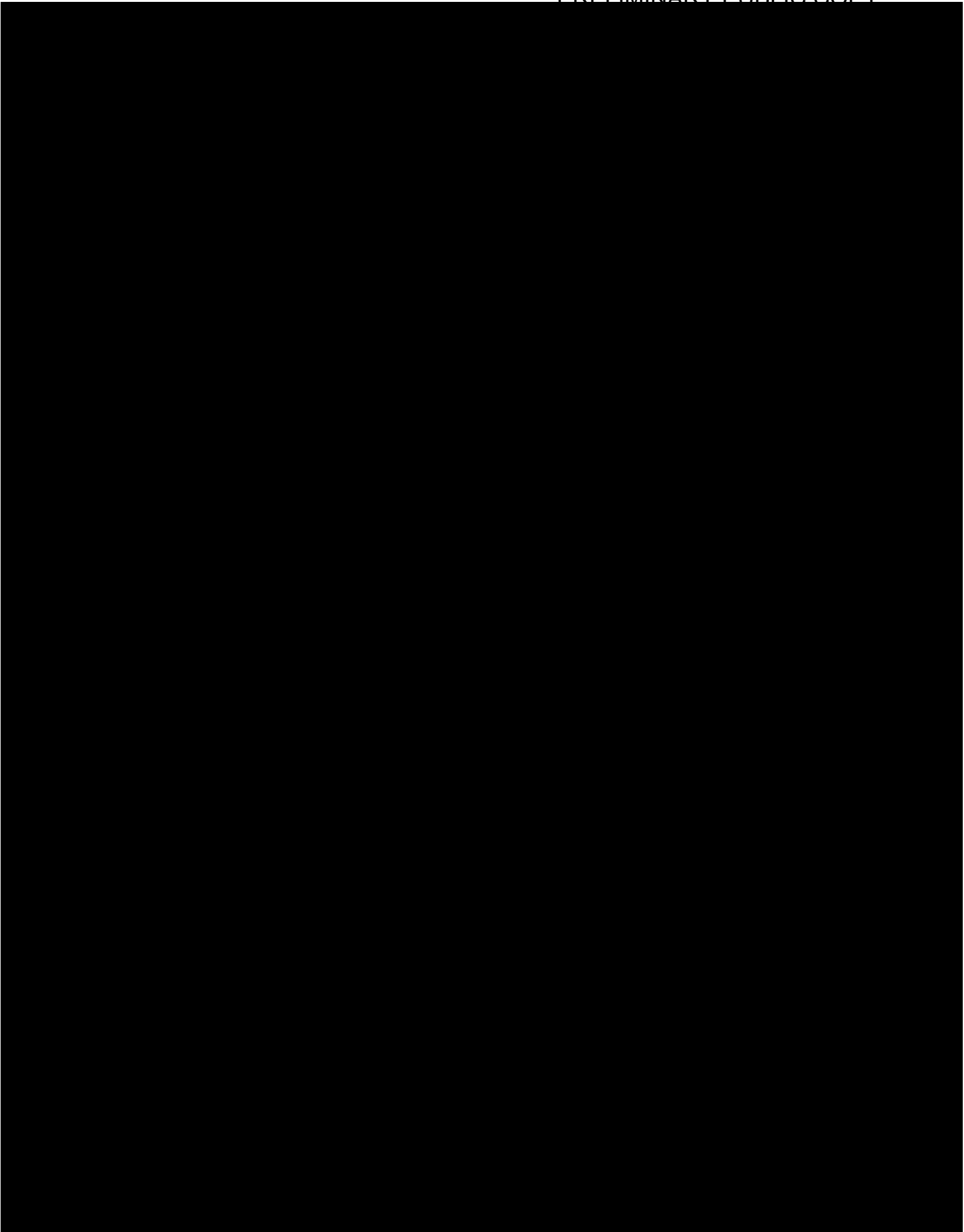


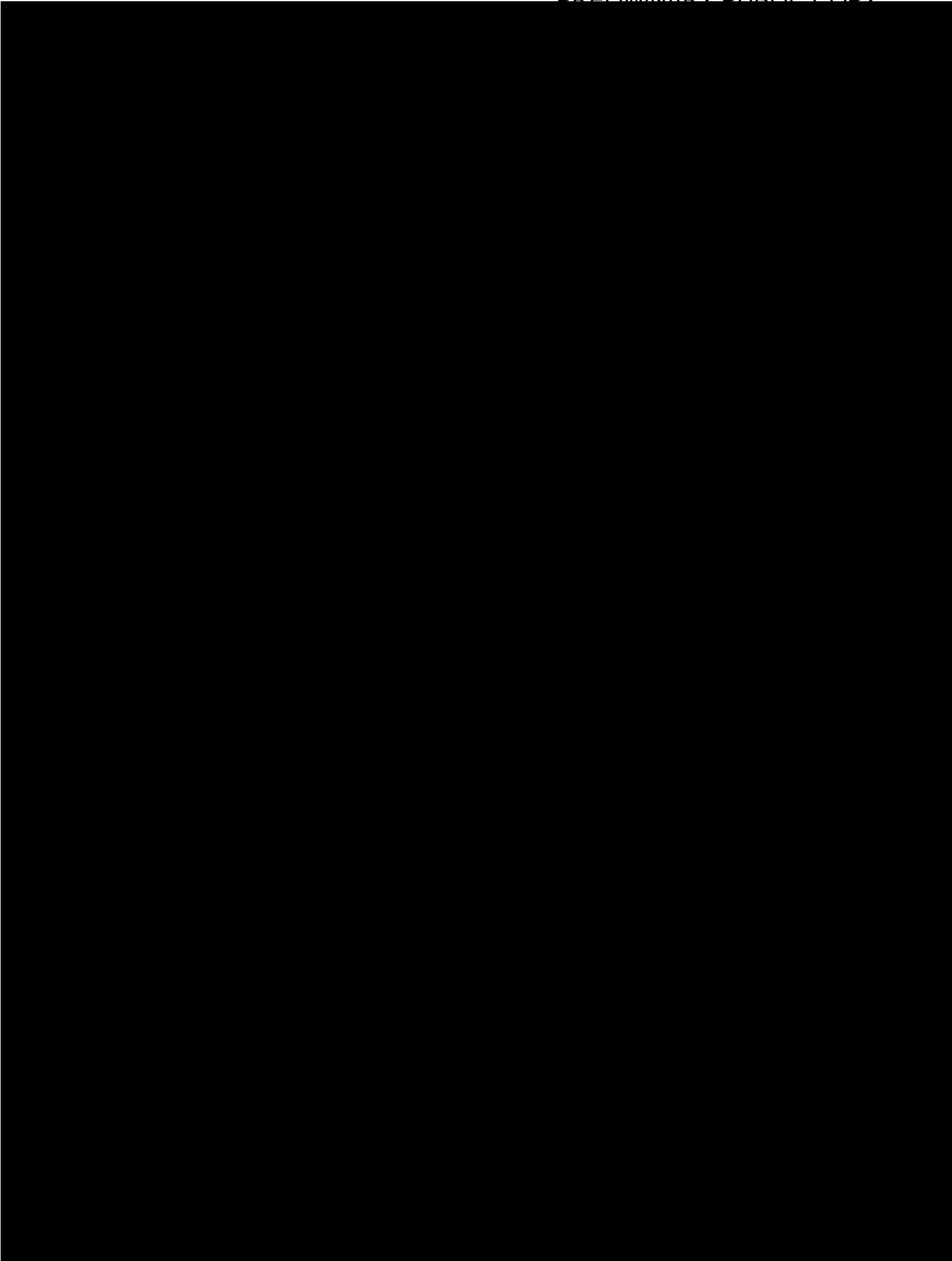


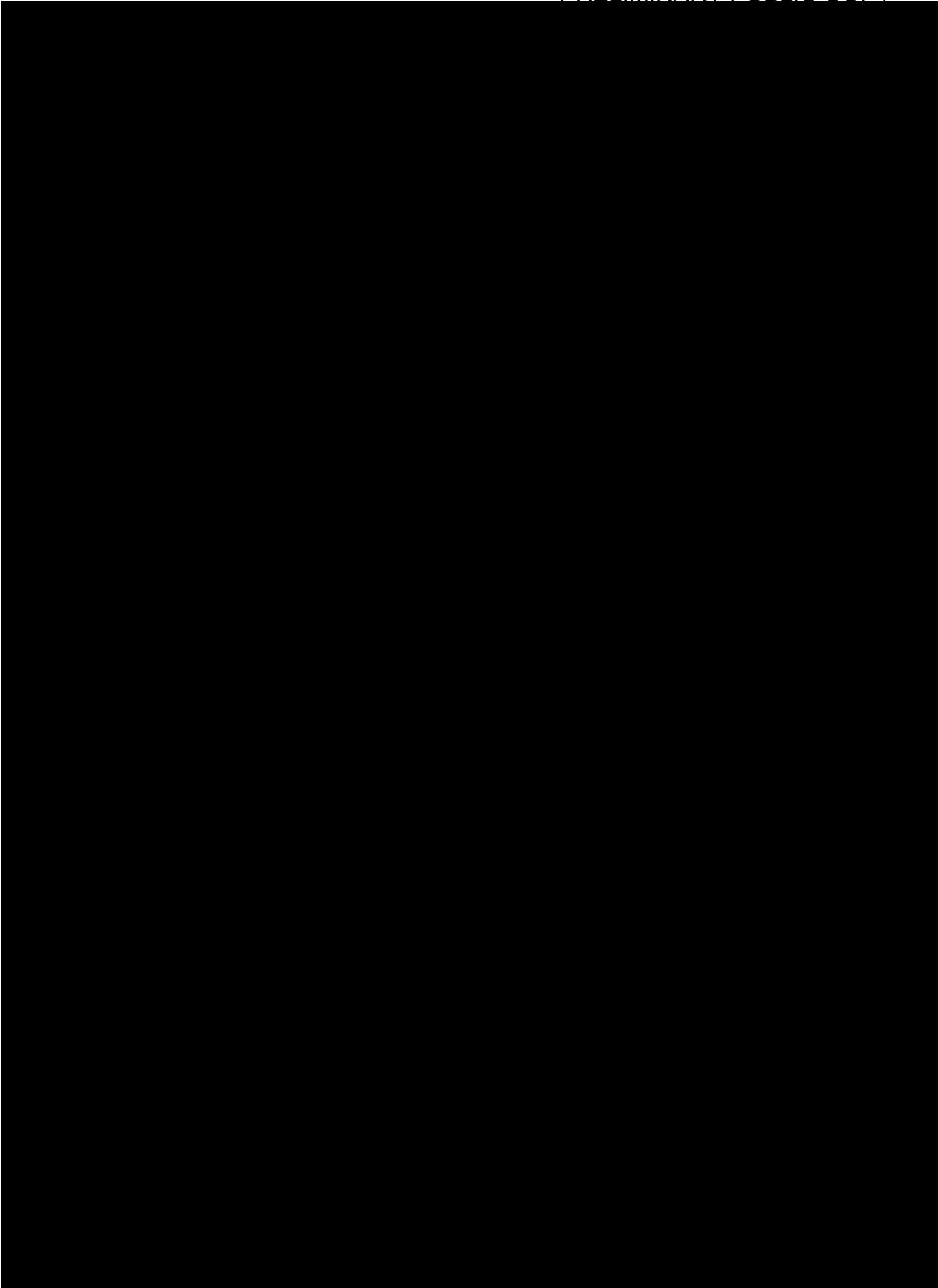


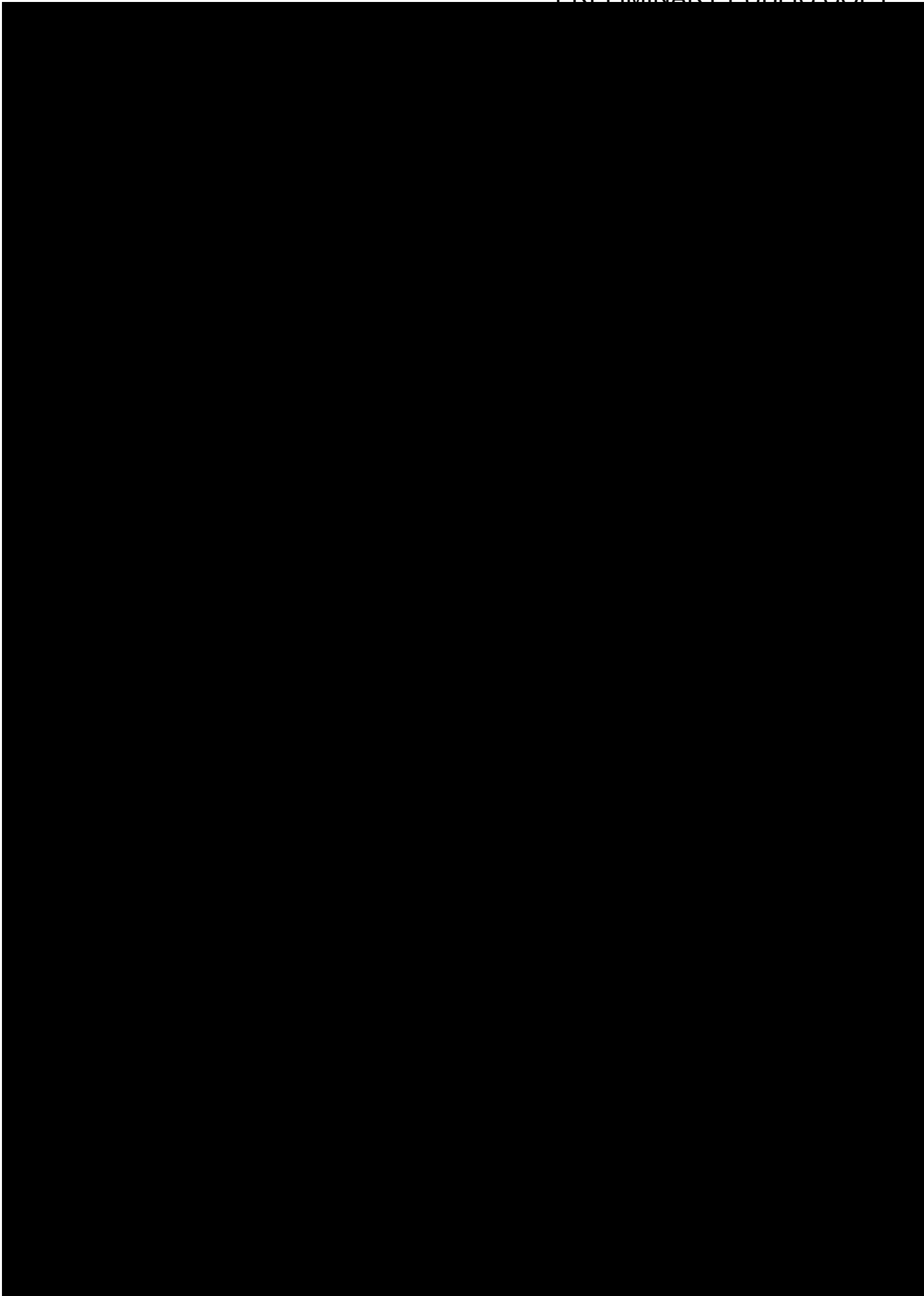


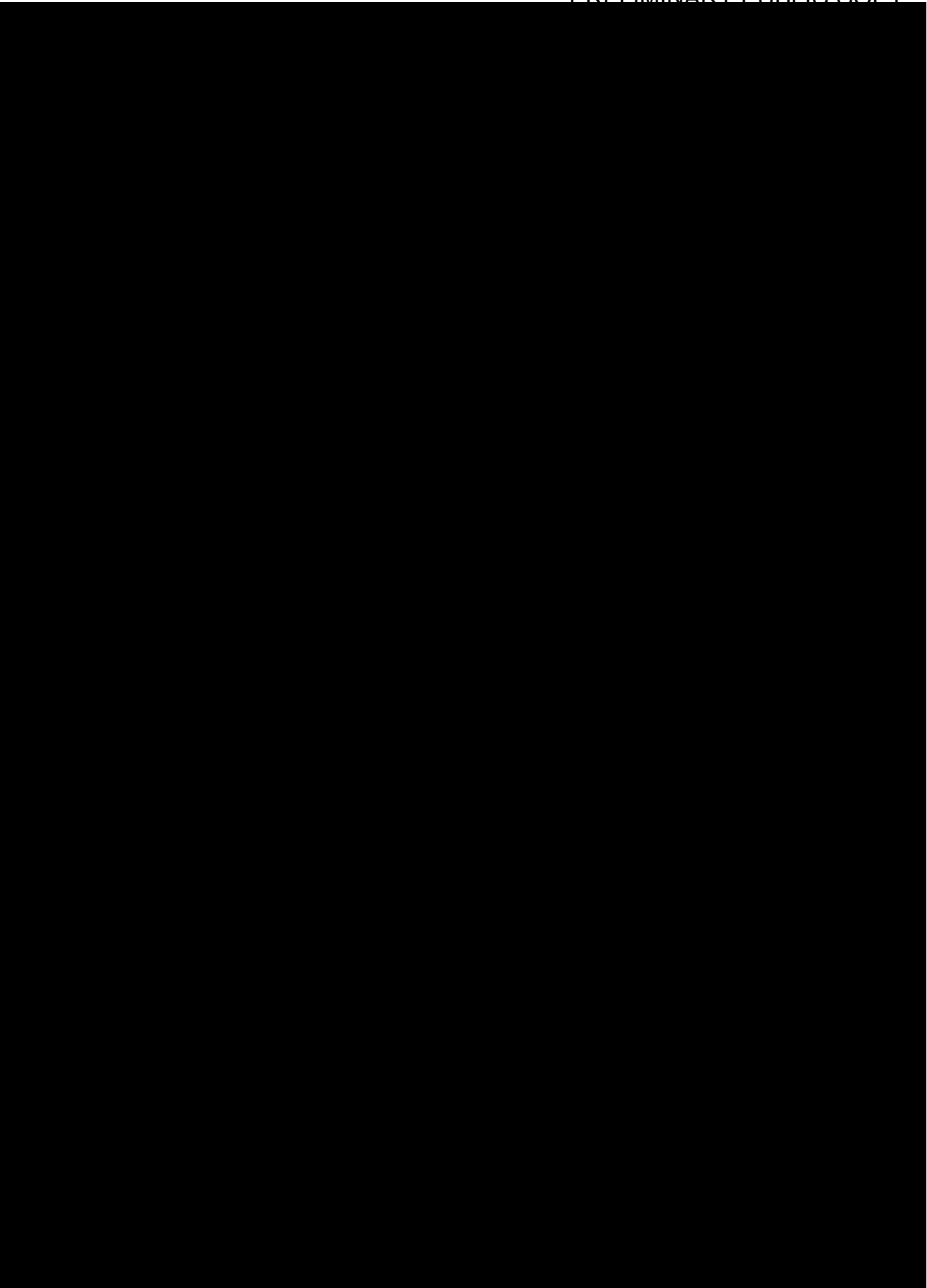


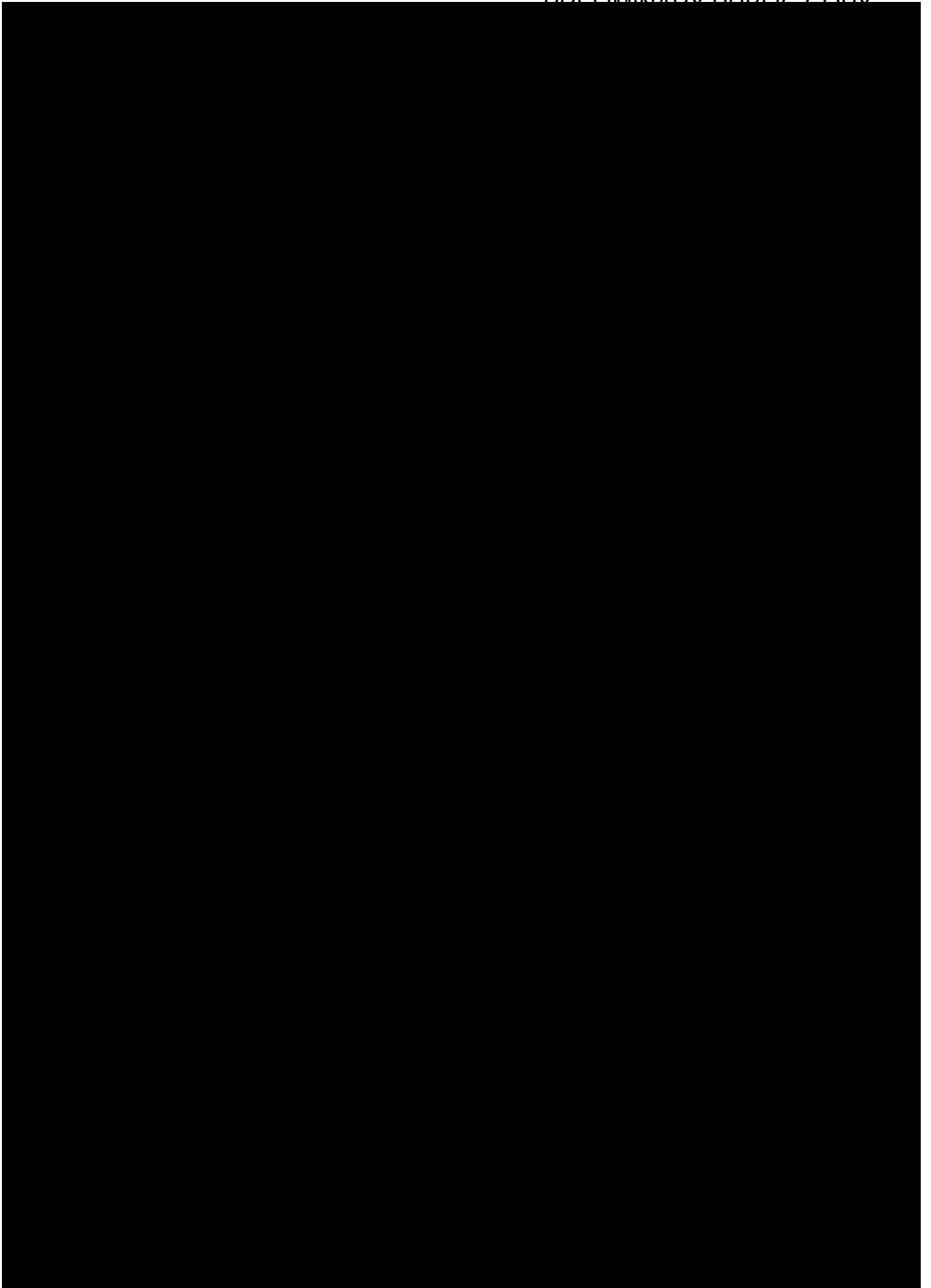


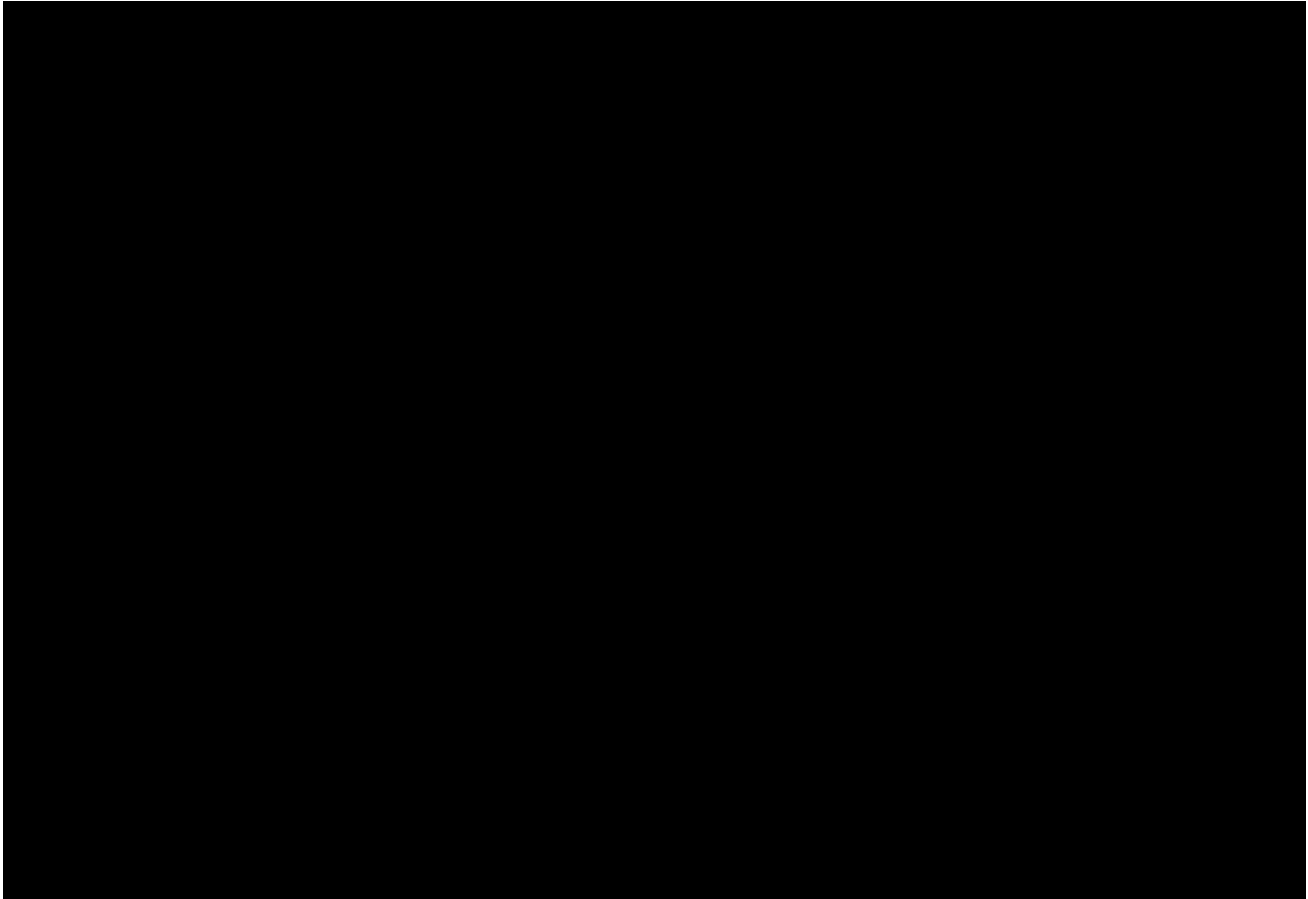






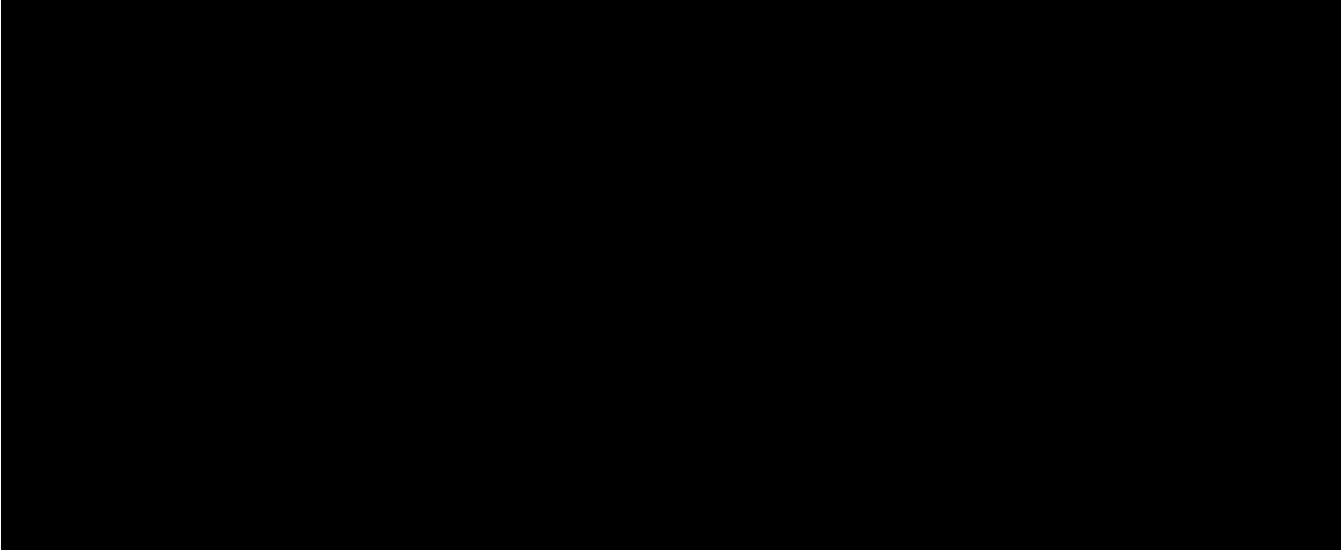


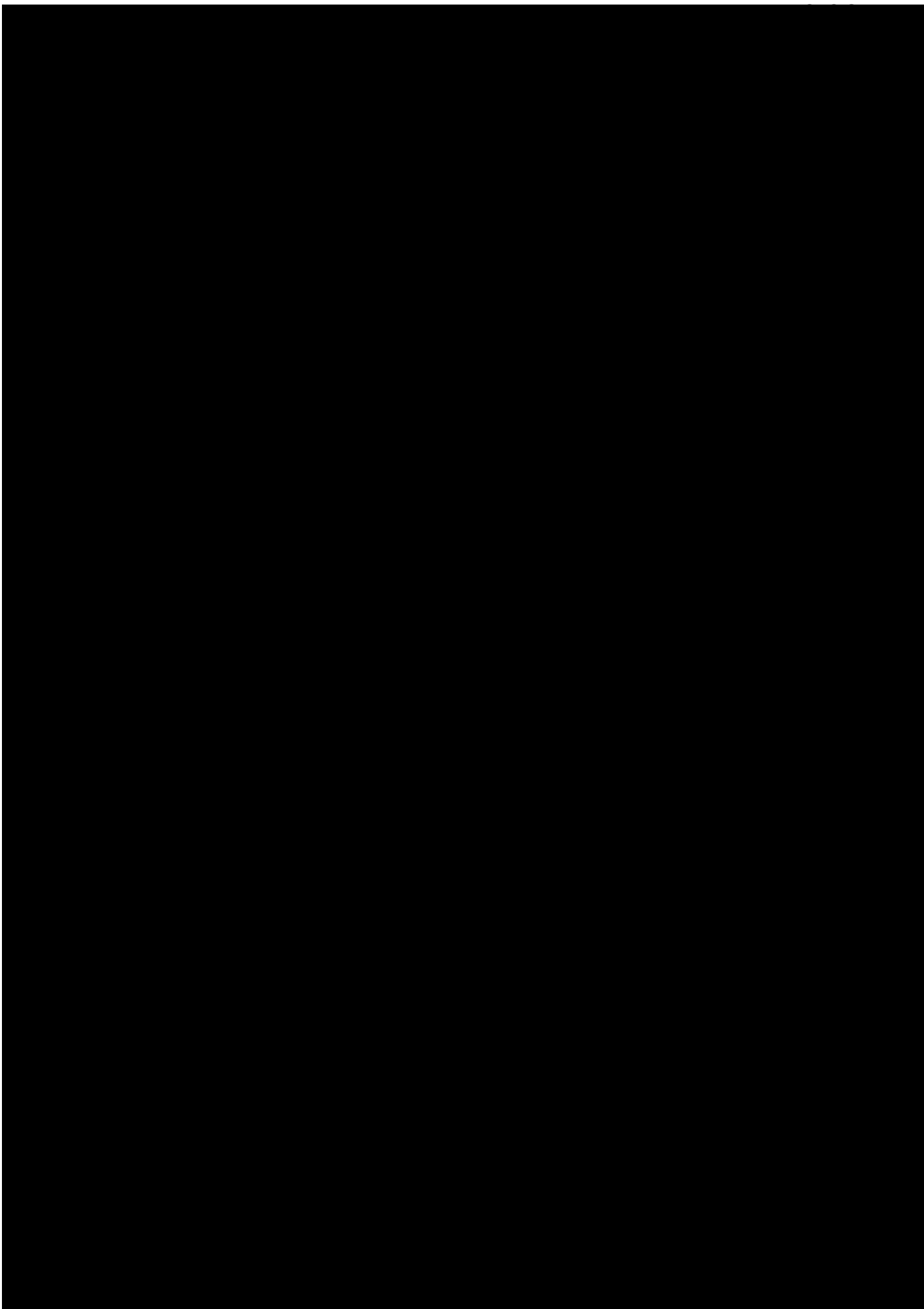


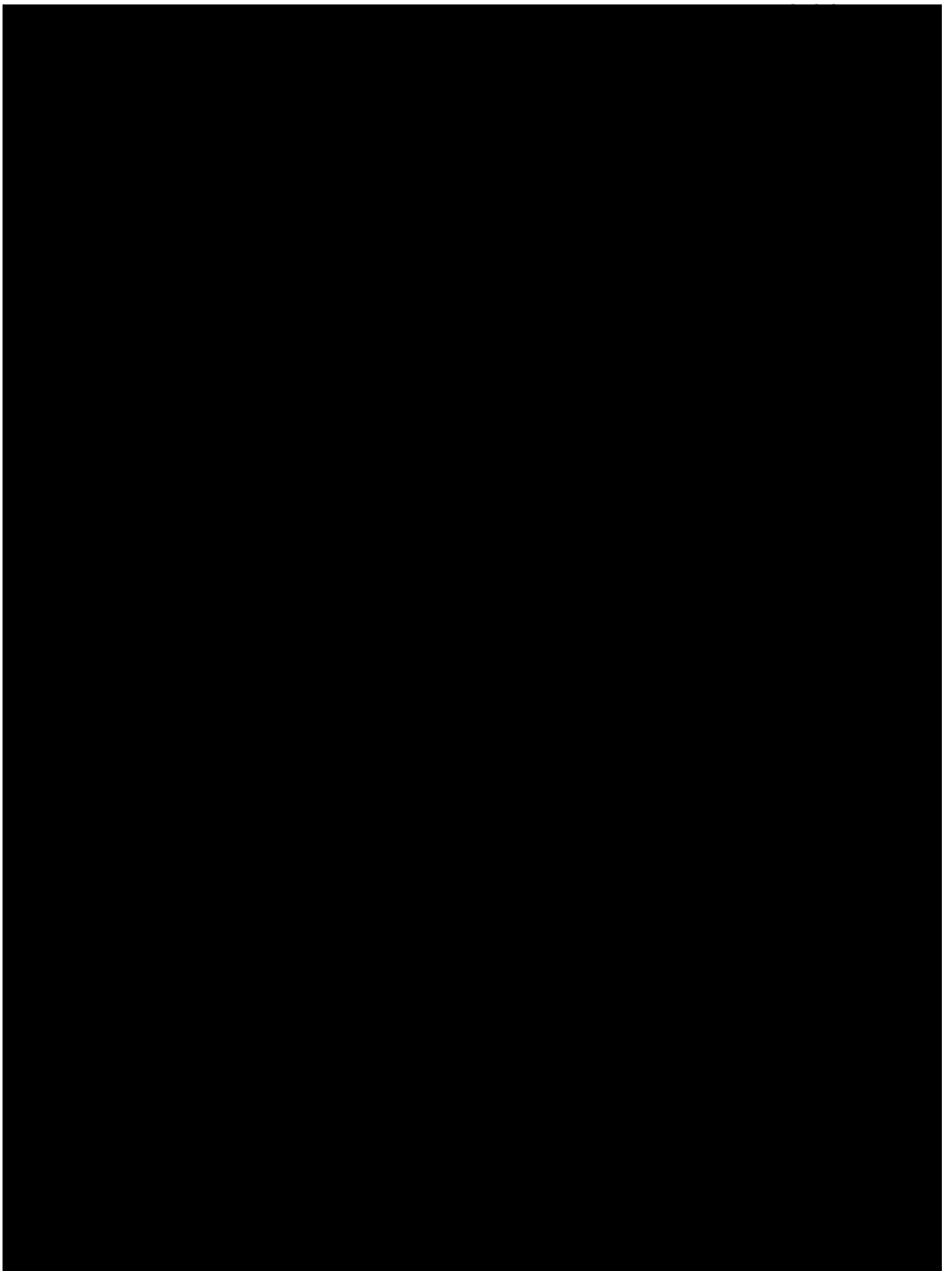


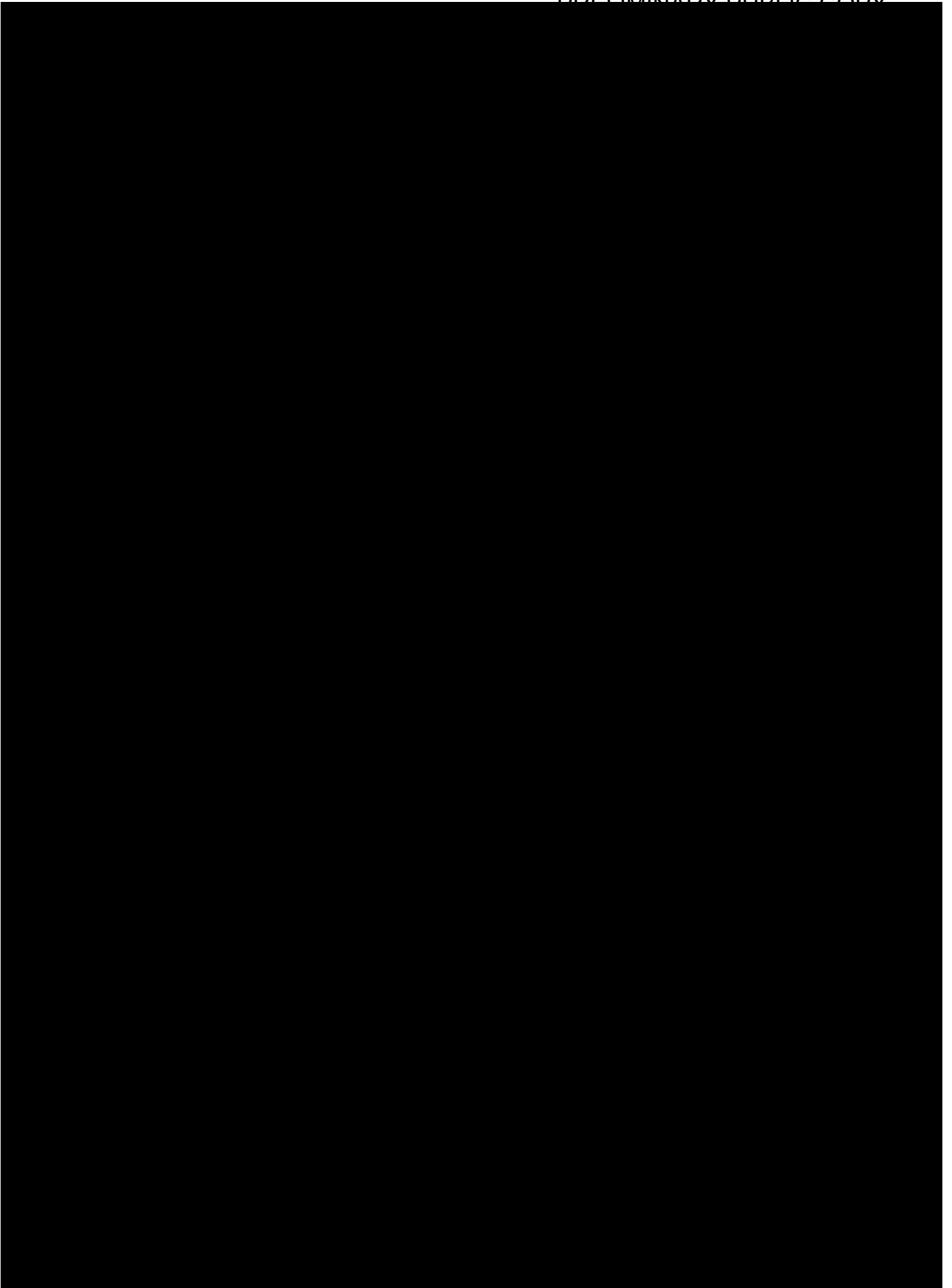
28 and 29. Work cooperatively with commercial/recreational fishing entities and interests to ensure that the construction and operation of a project will minimize potential conflicts with commercial and recreational fishing interests. Review planned activities with potentially affected fishing organizations and port authorities to prevent unreasonable fishing gear conflicts. Minimize conflict with commercial fishing activity and gear by notifying registered fishermen of the location and time frame of the project construction activities well in advance of mobilization with updates throughout the construction period

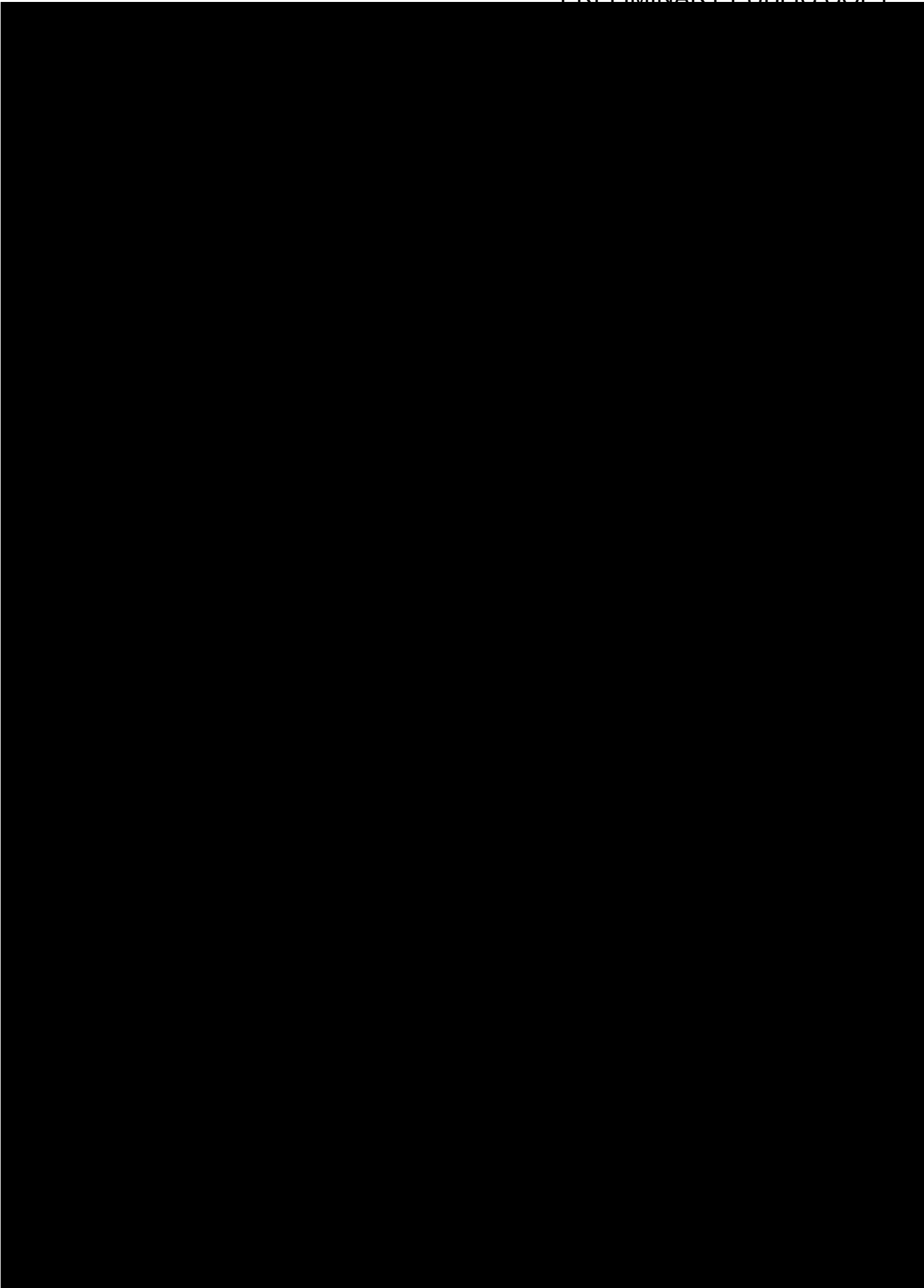
Section 7.9

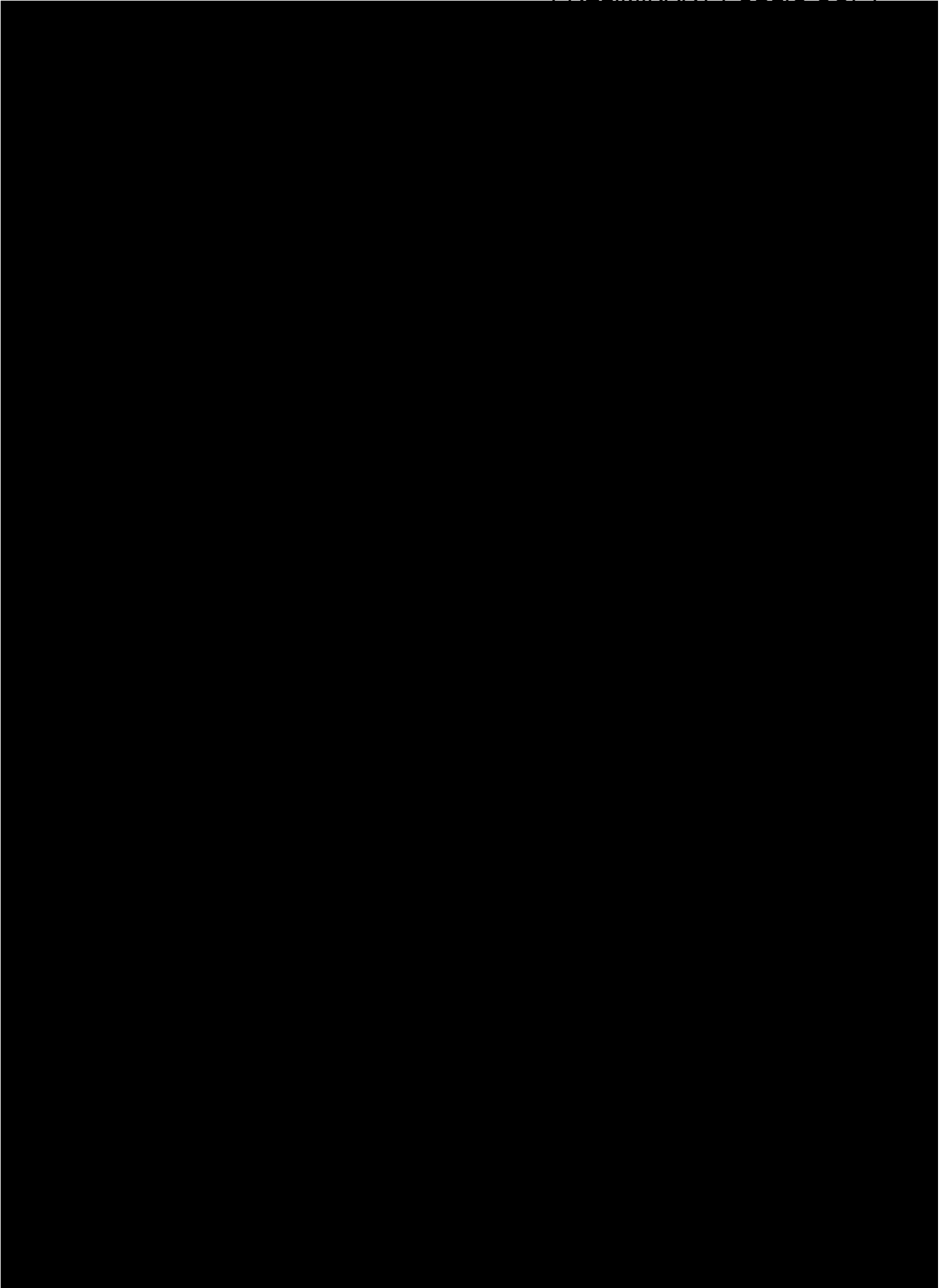


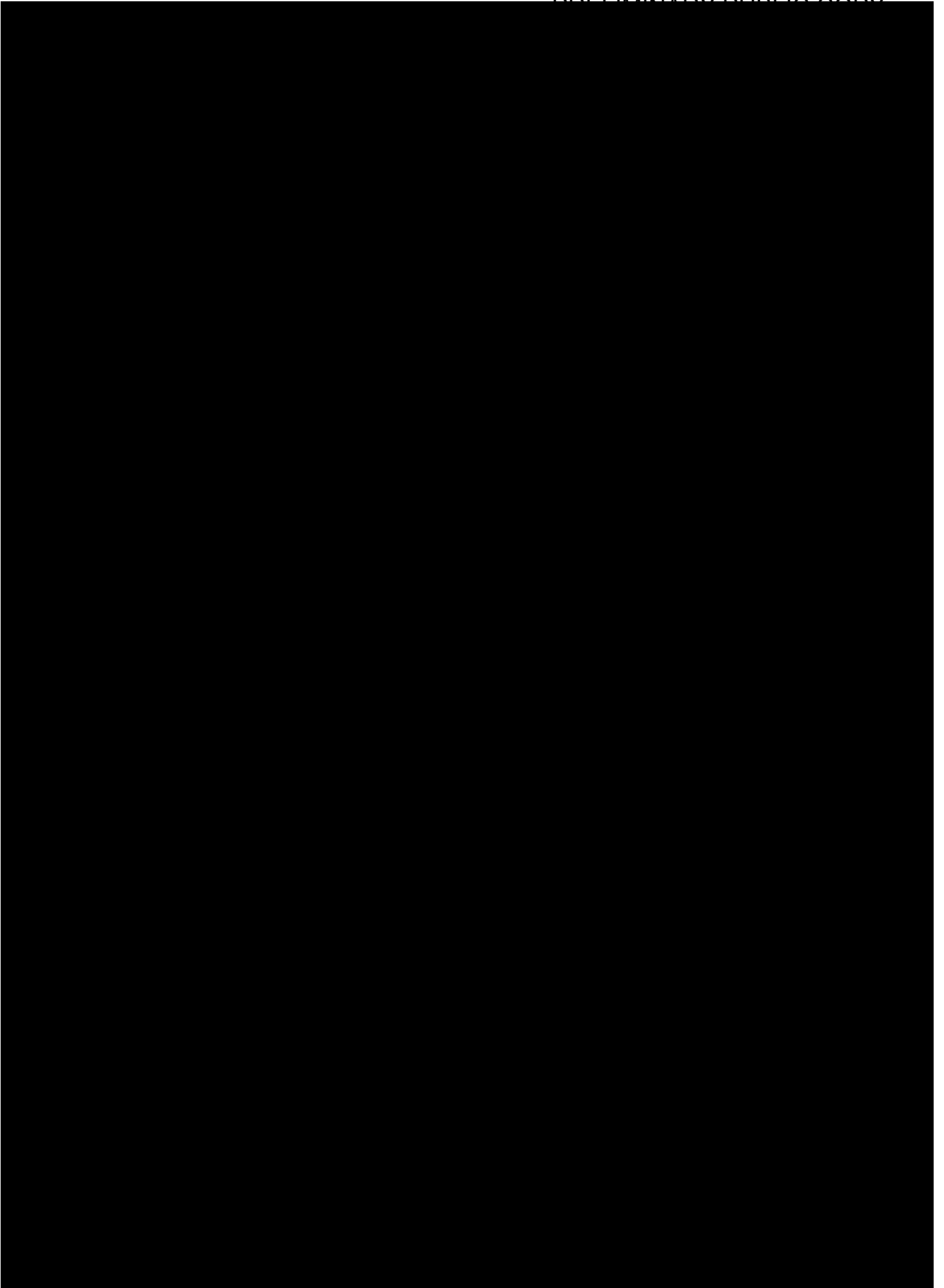


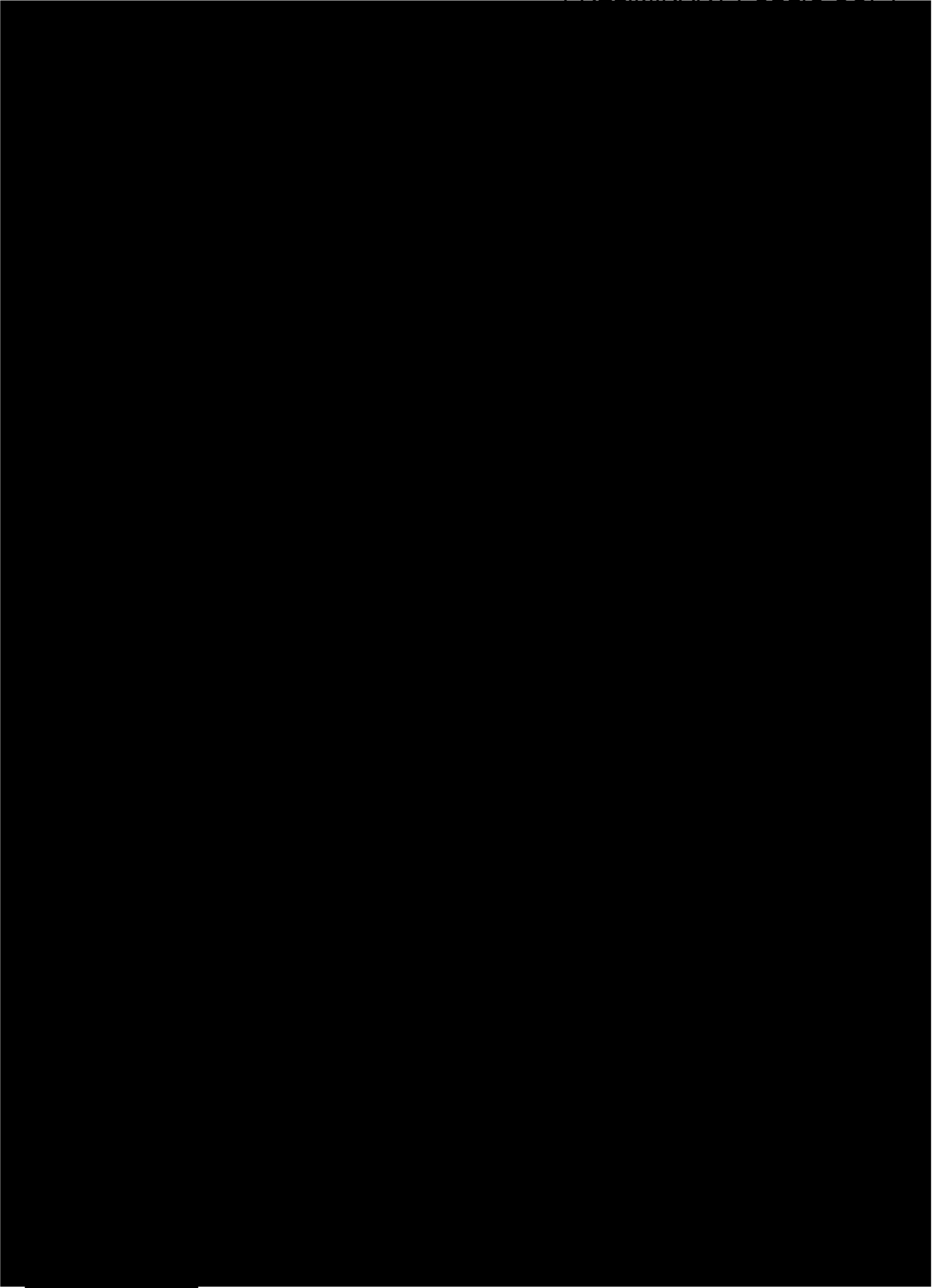


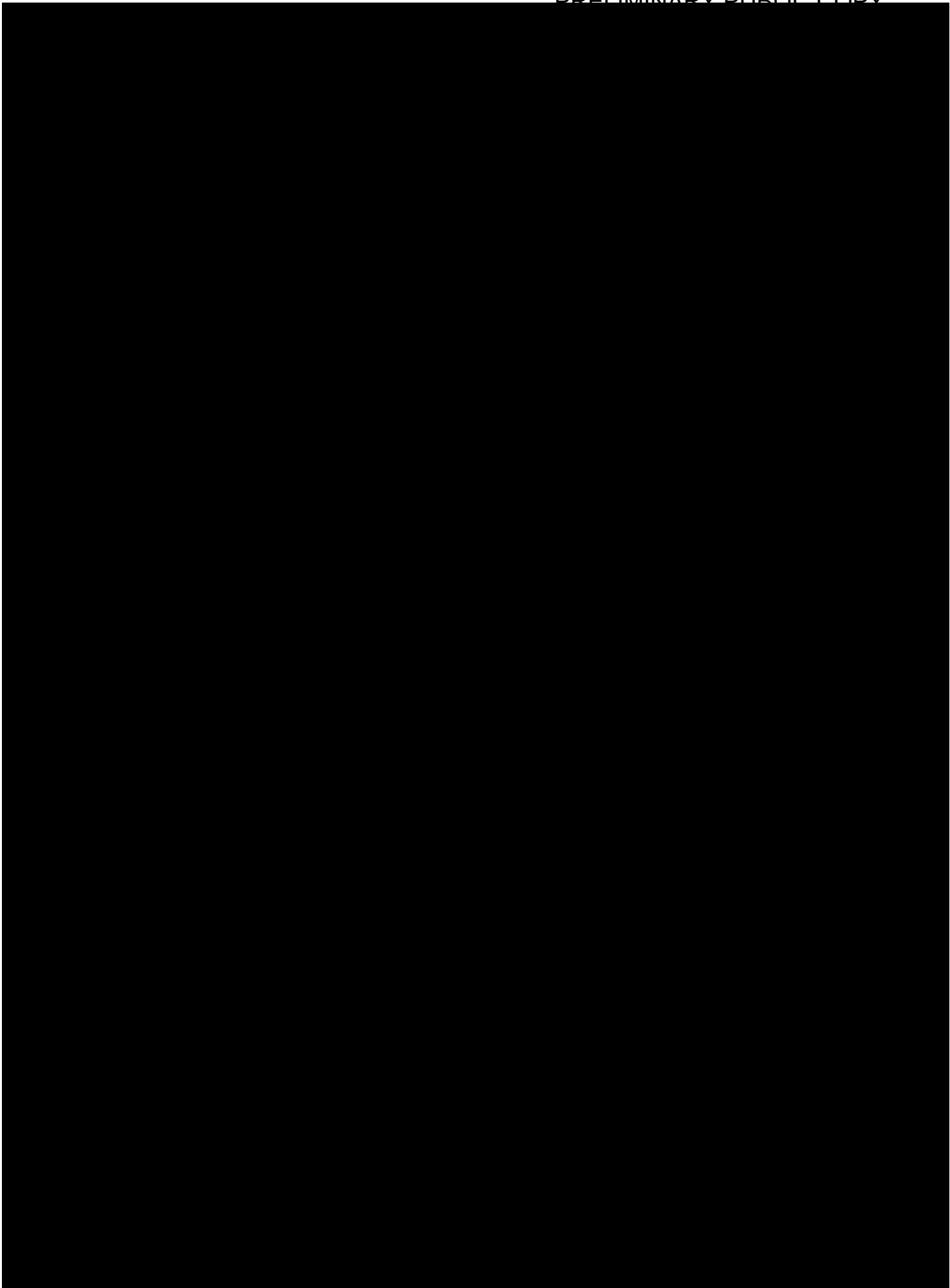


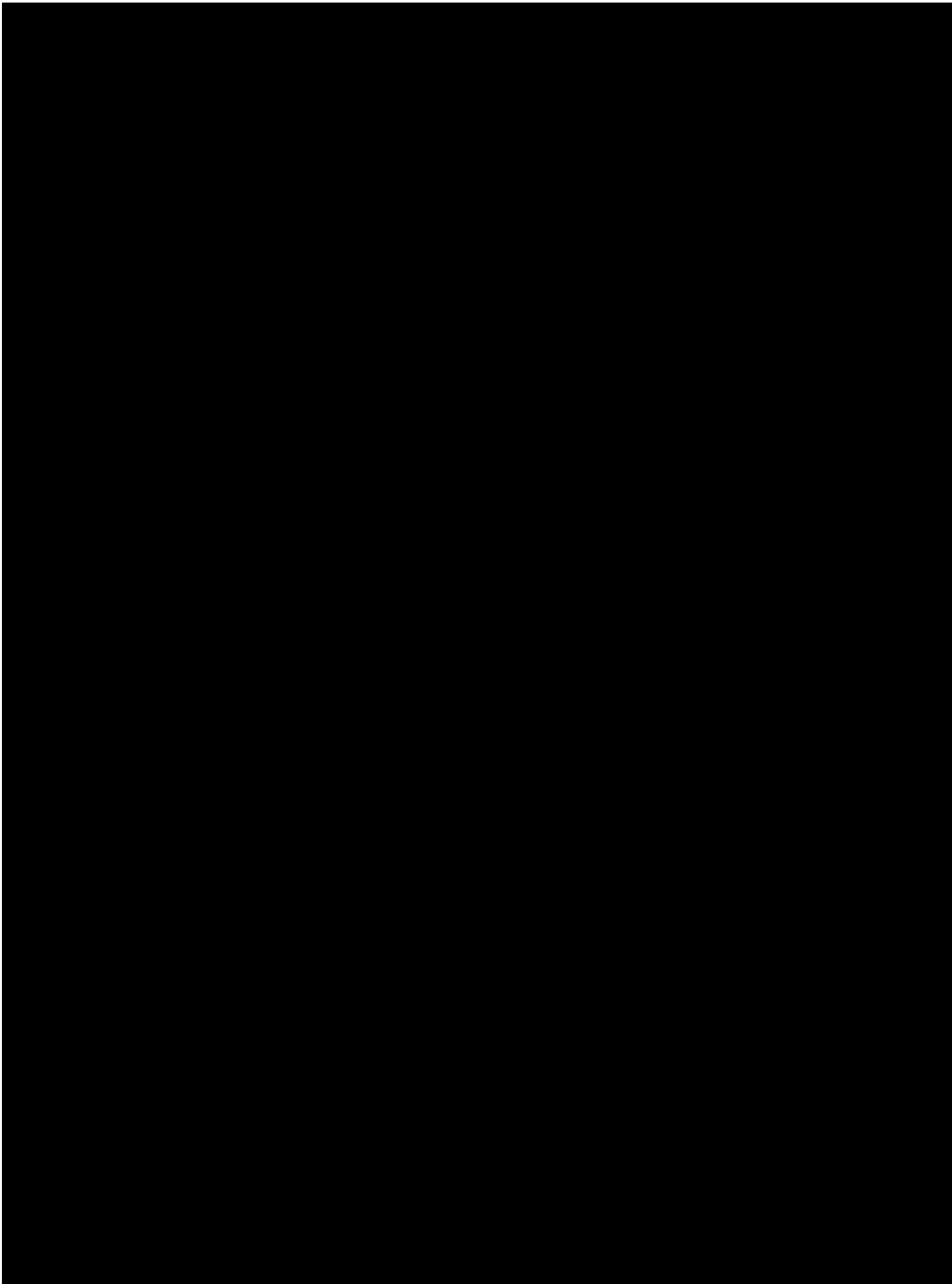


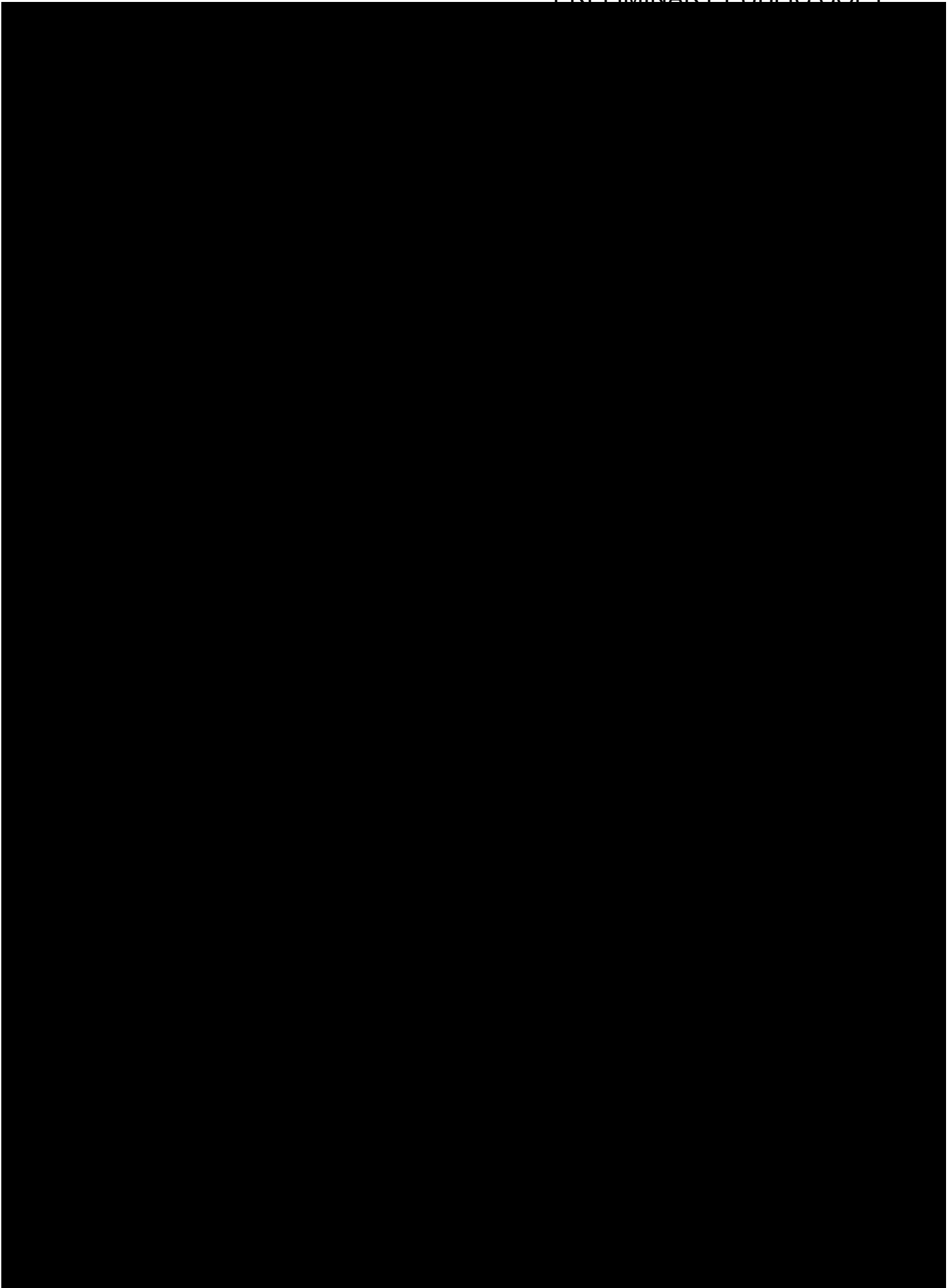


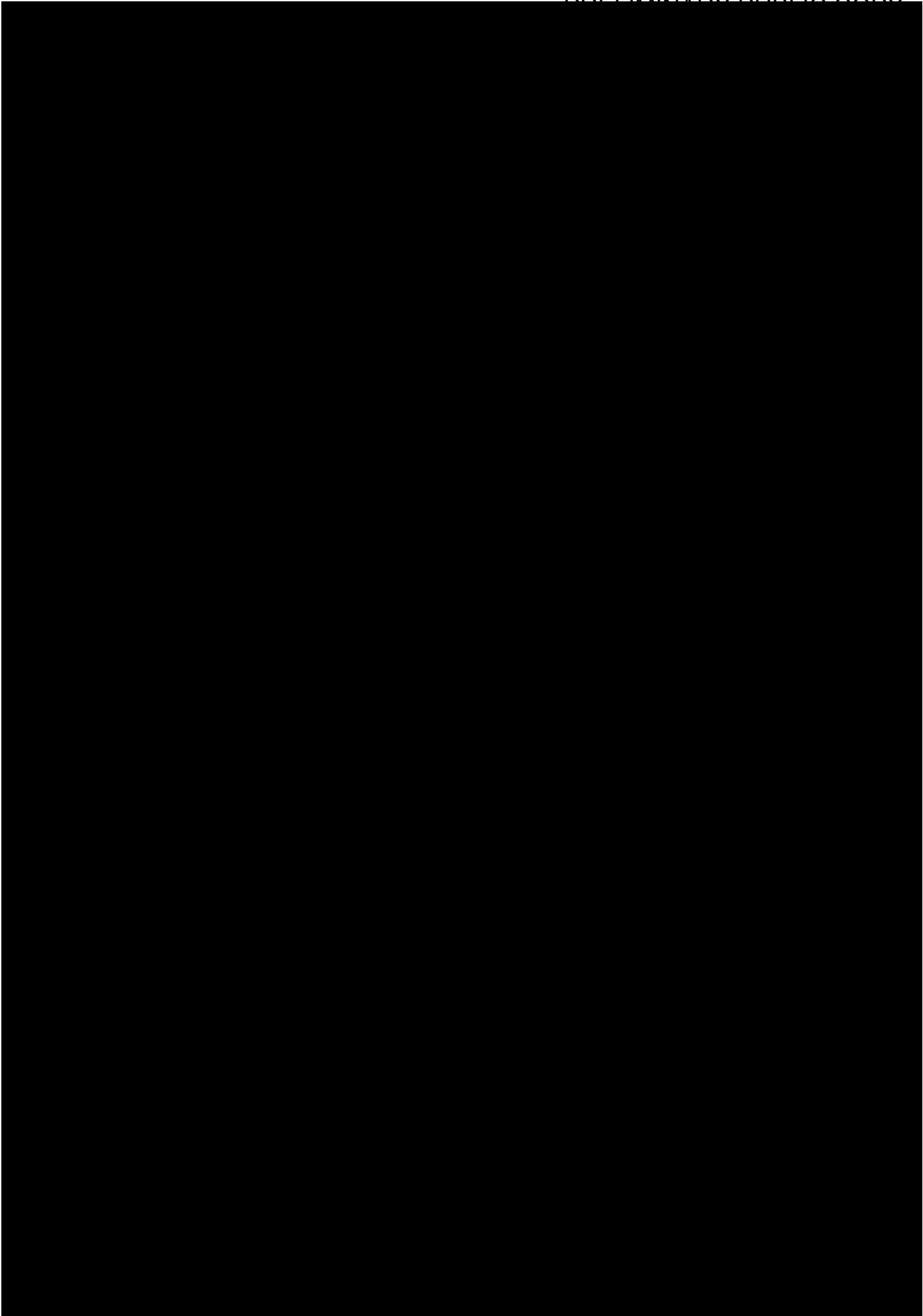


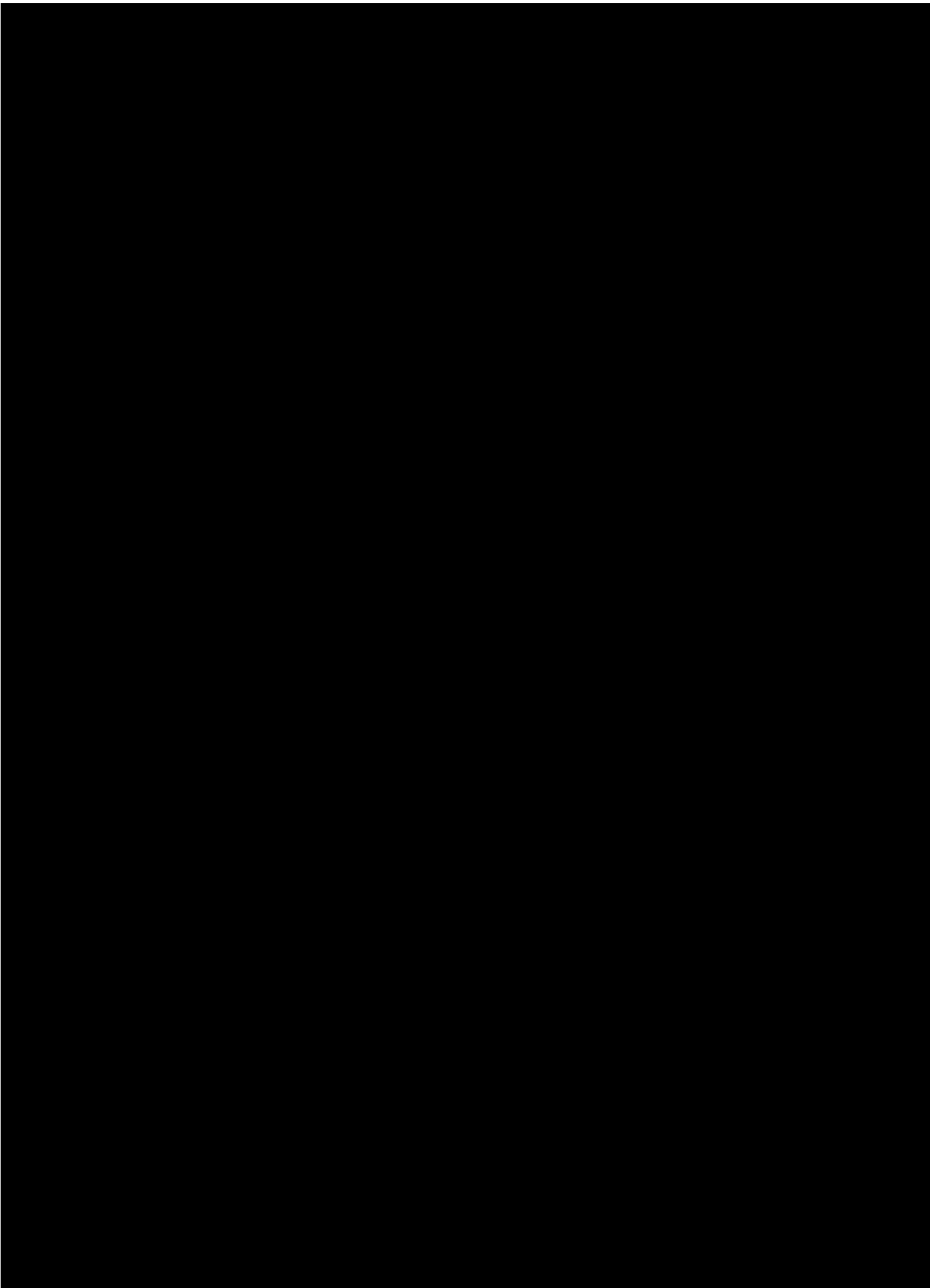


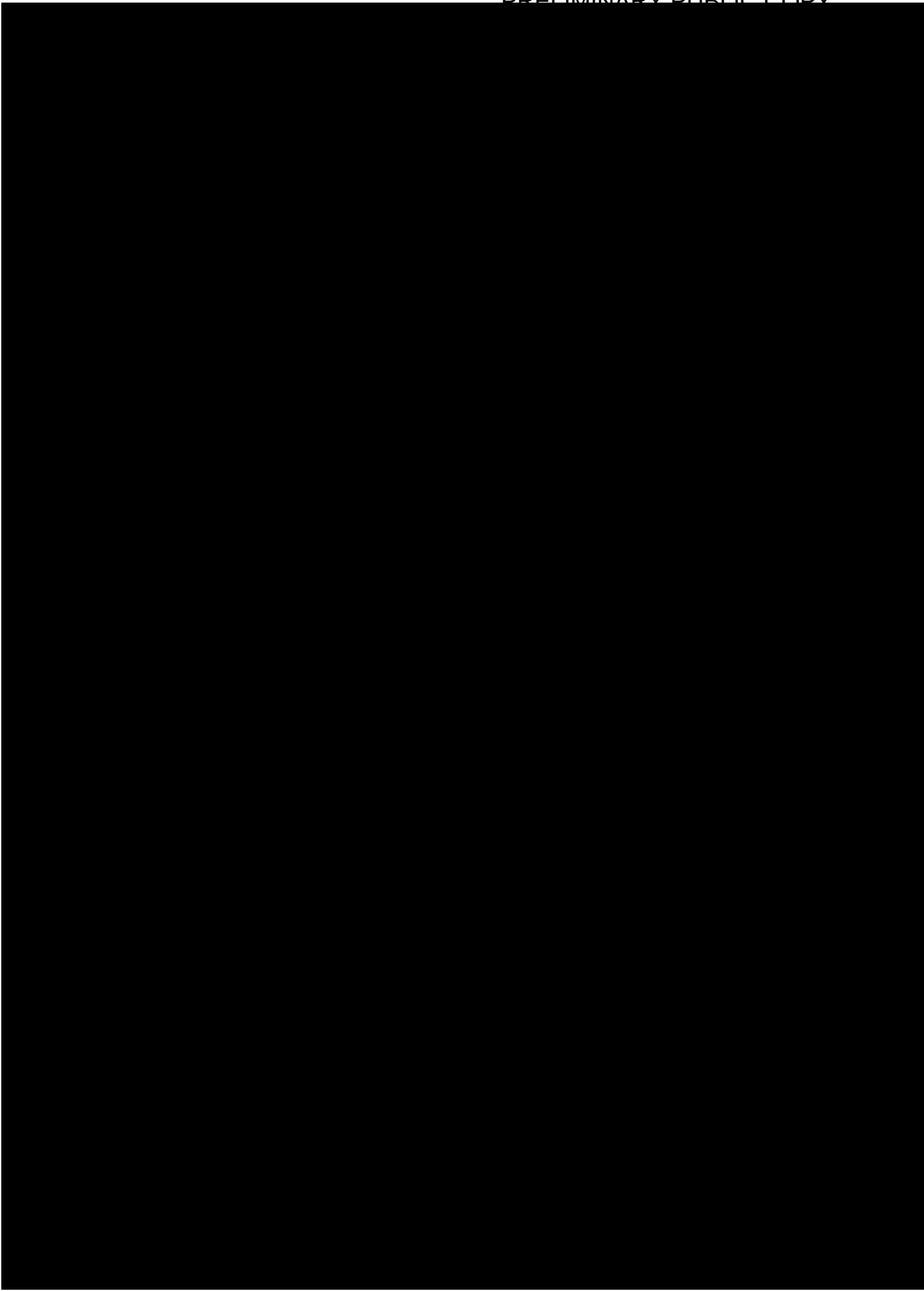


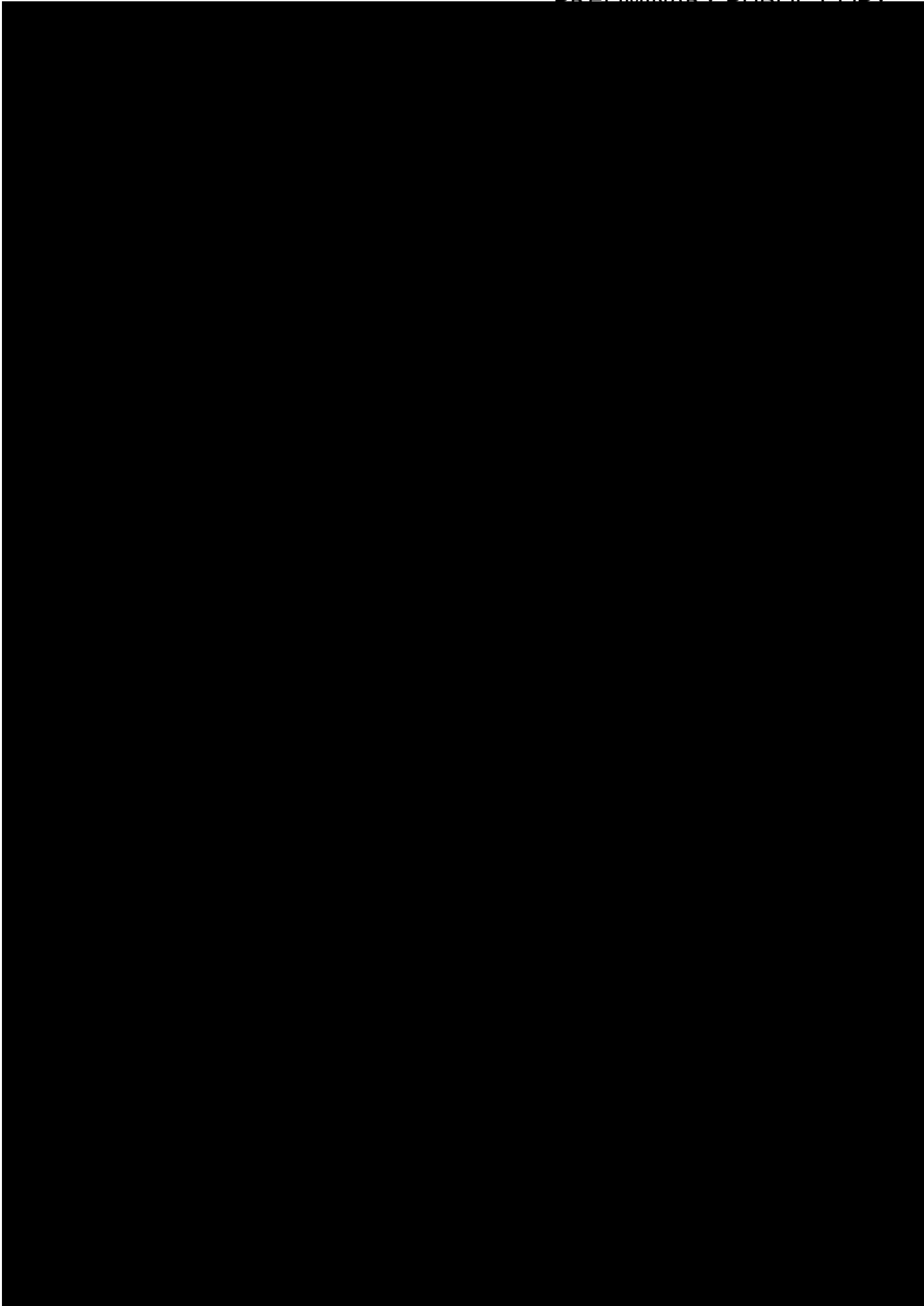


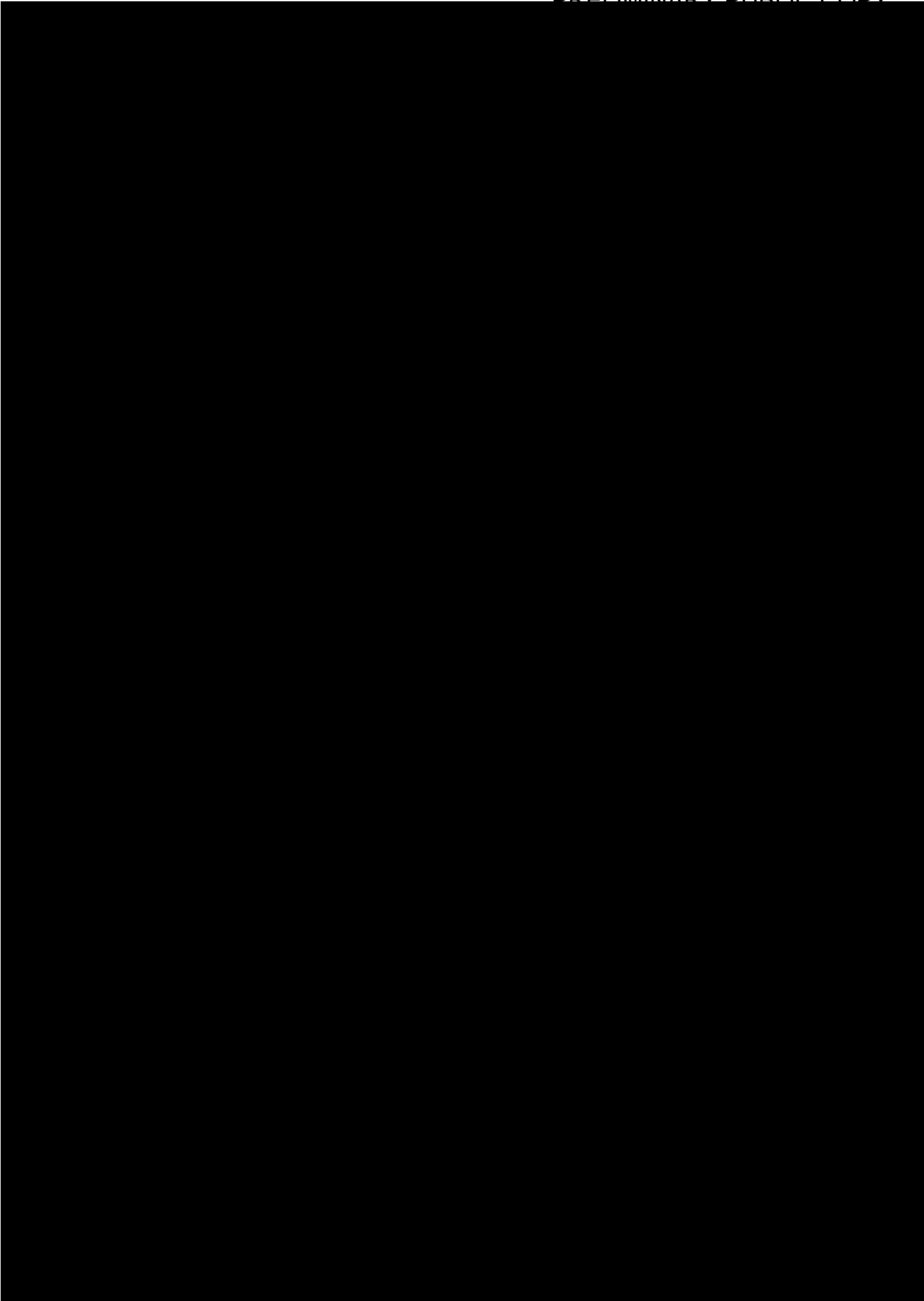


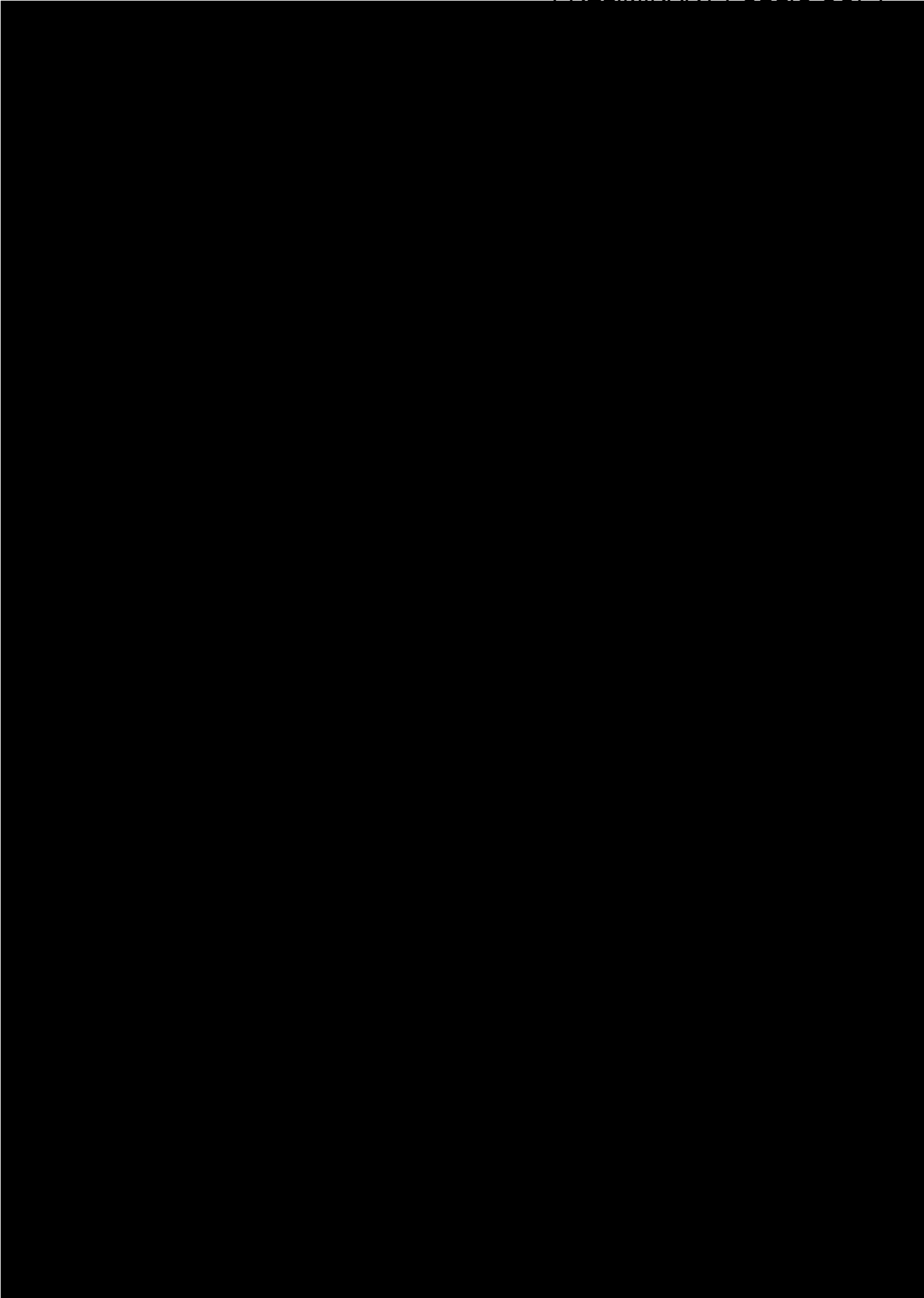


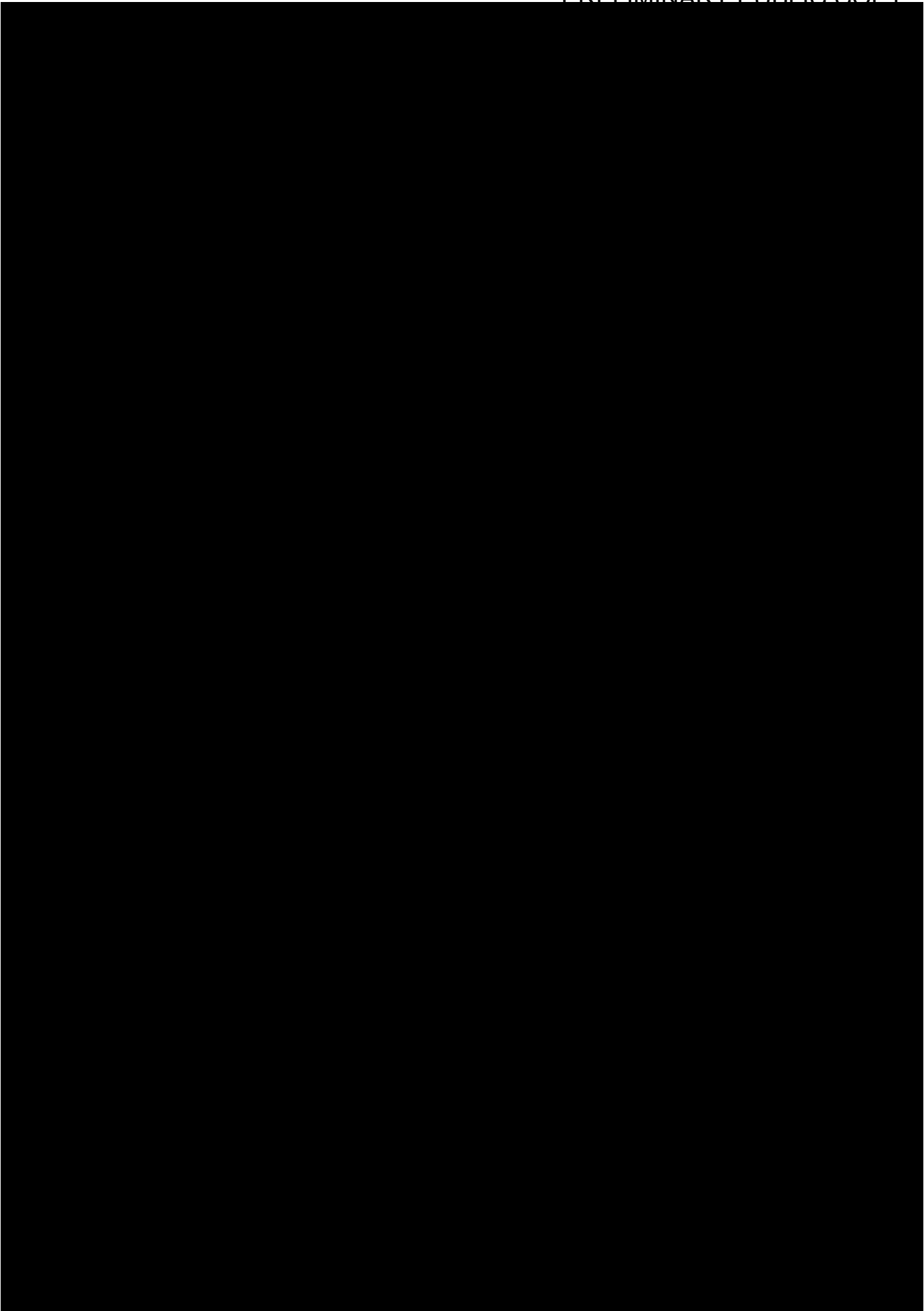


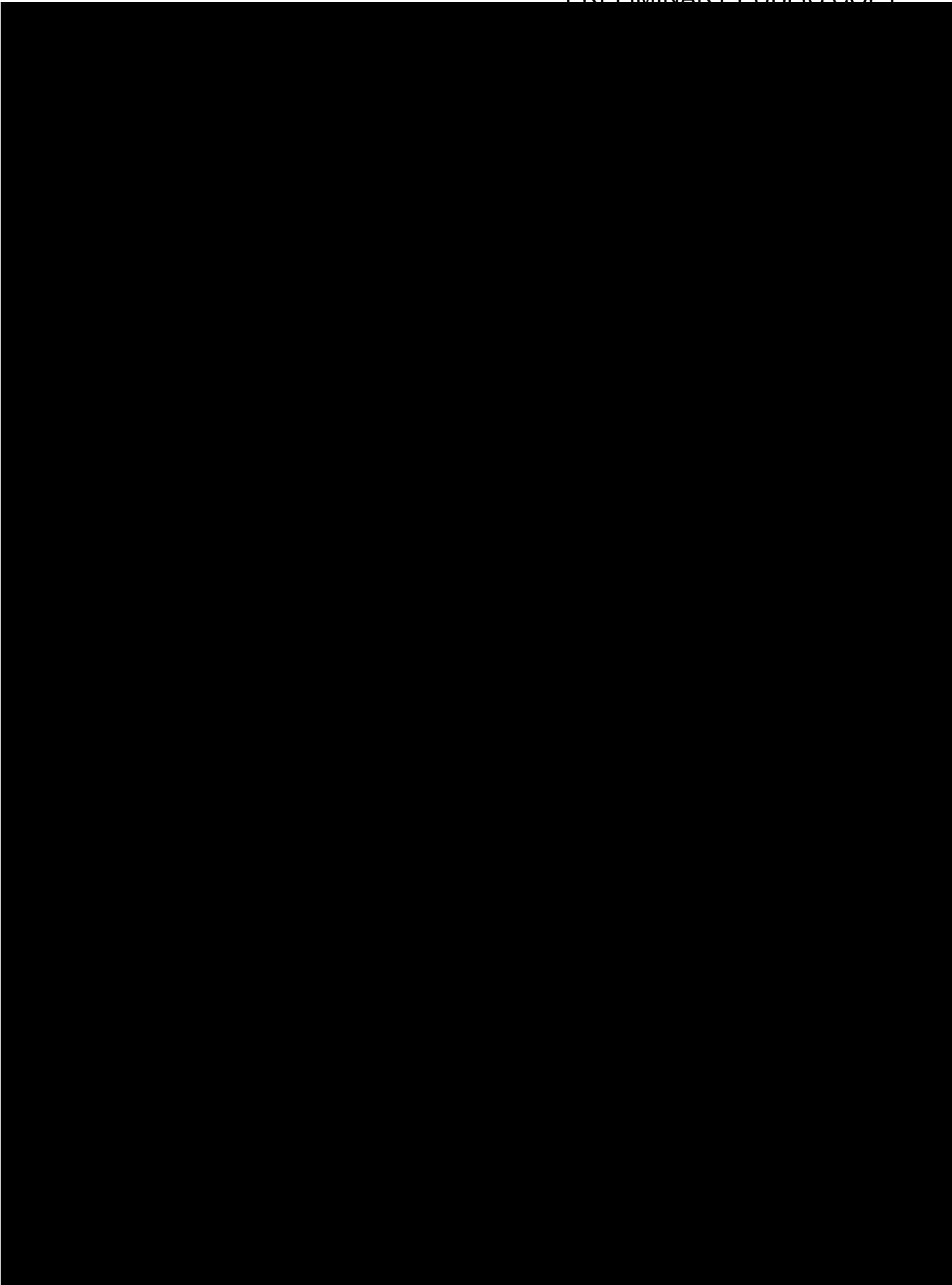


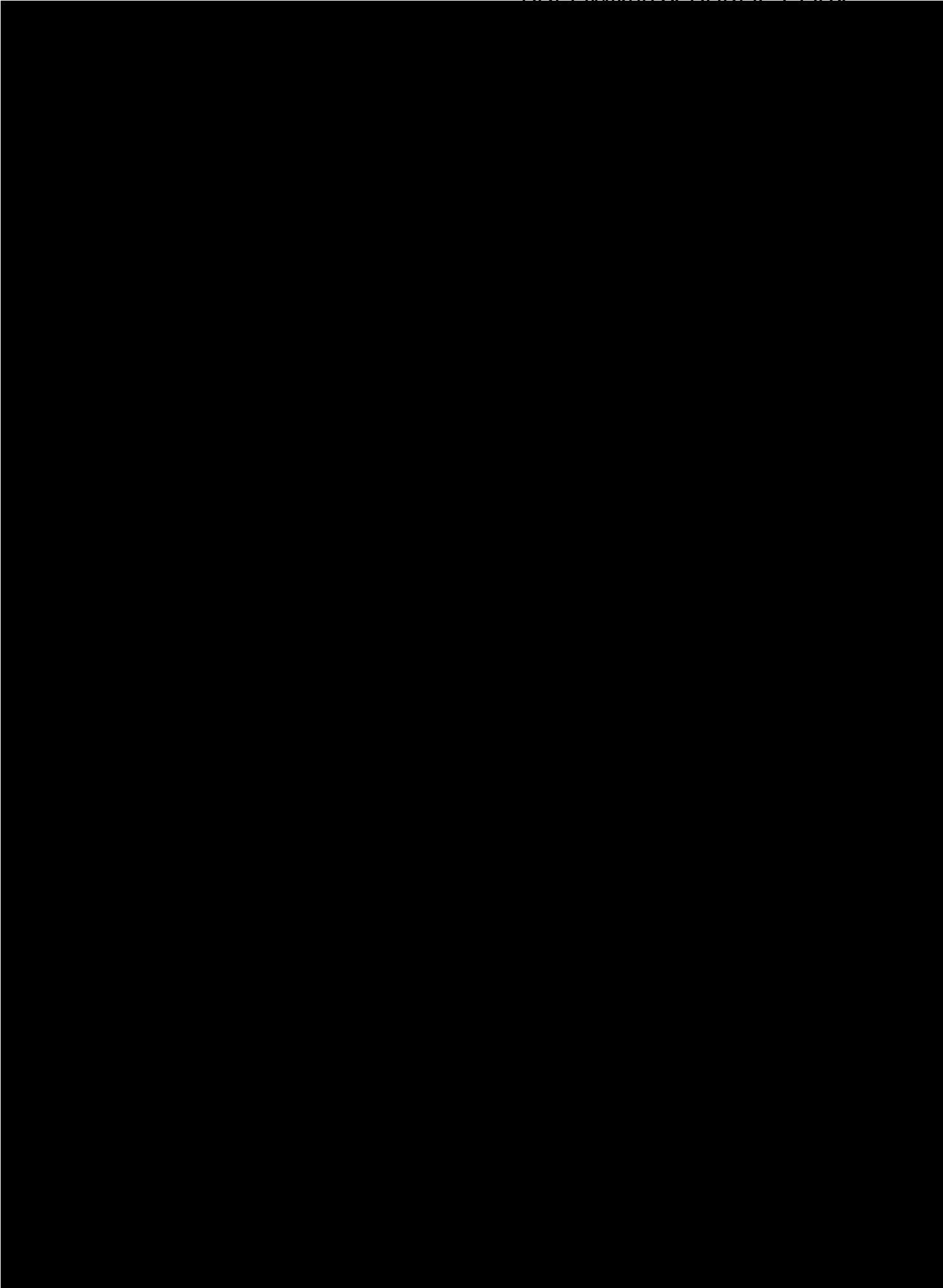


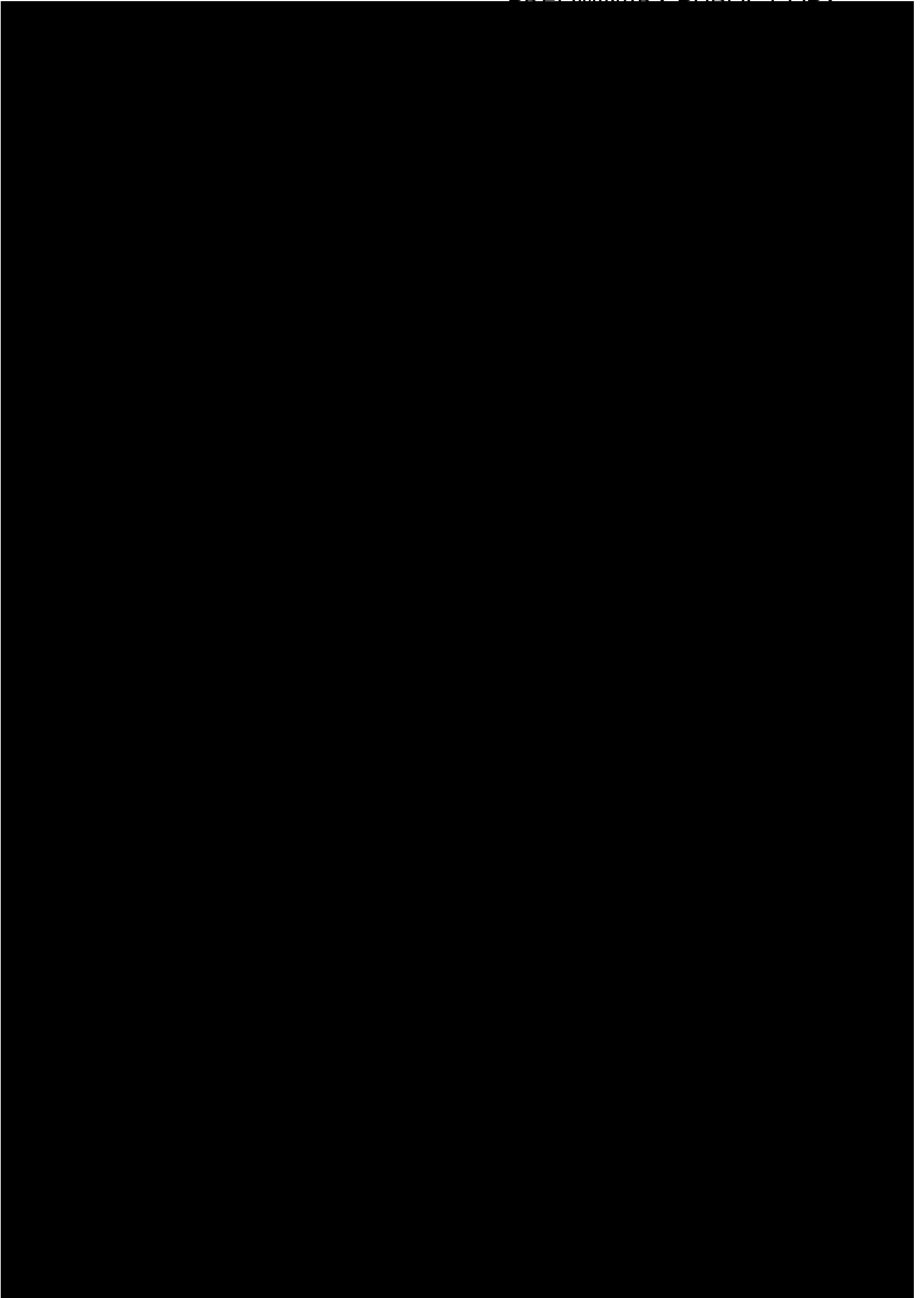


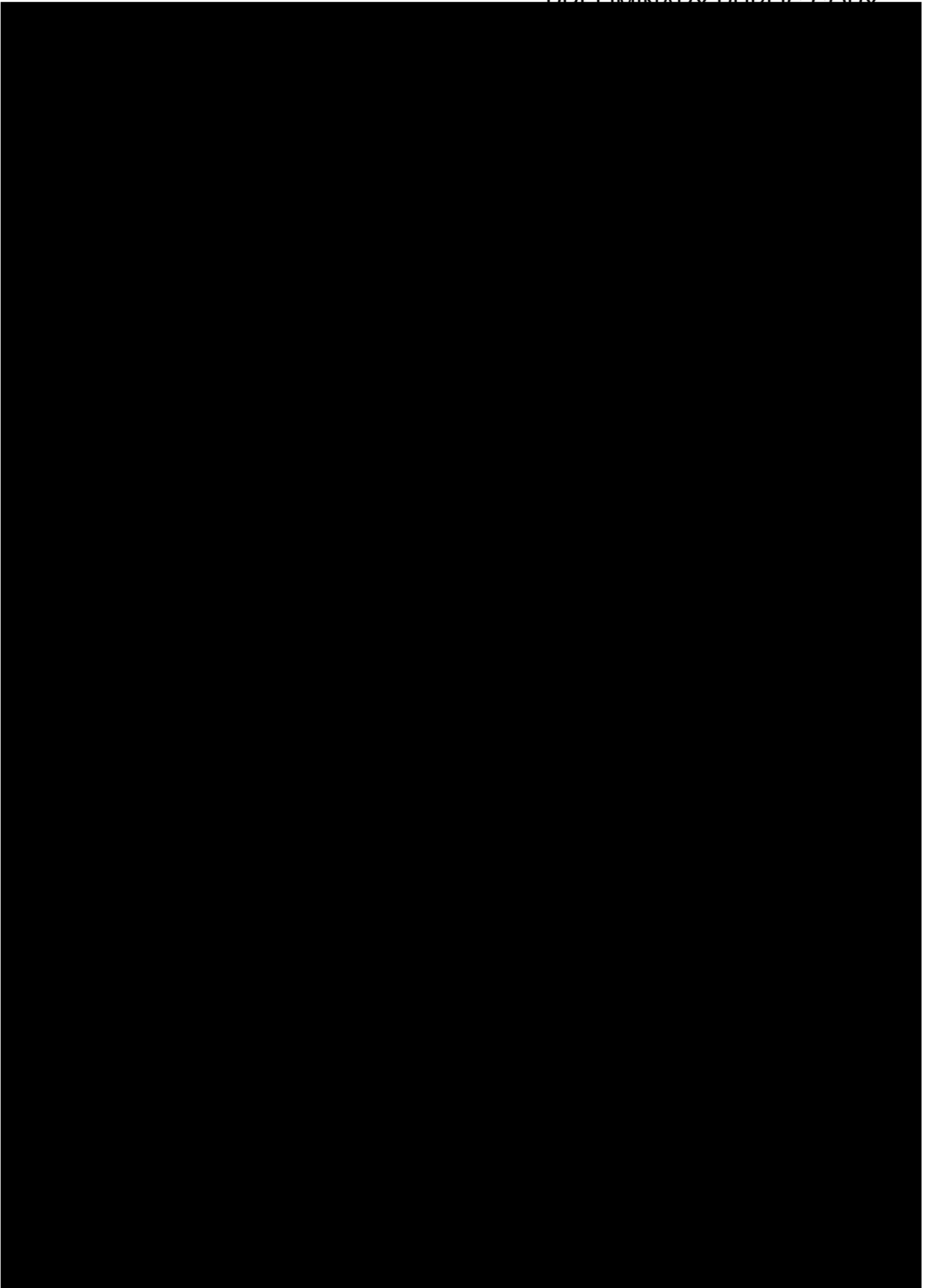


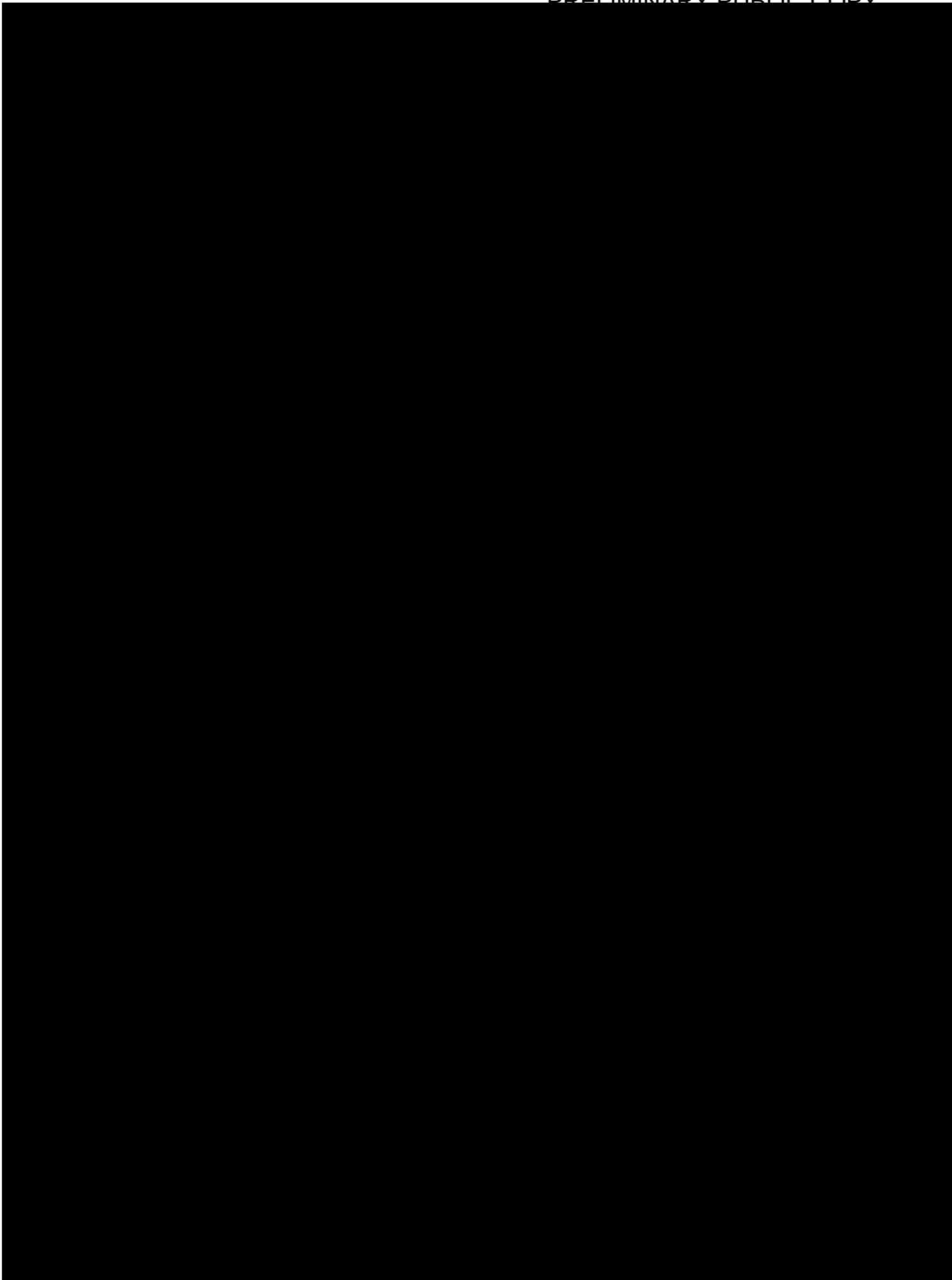


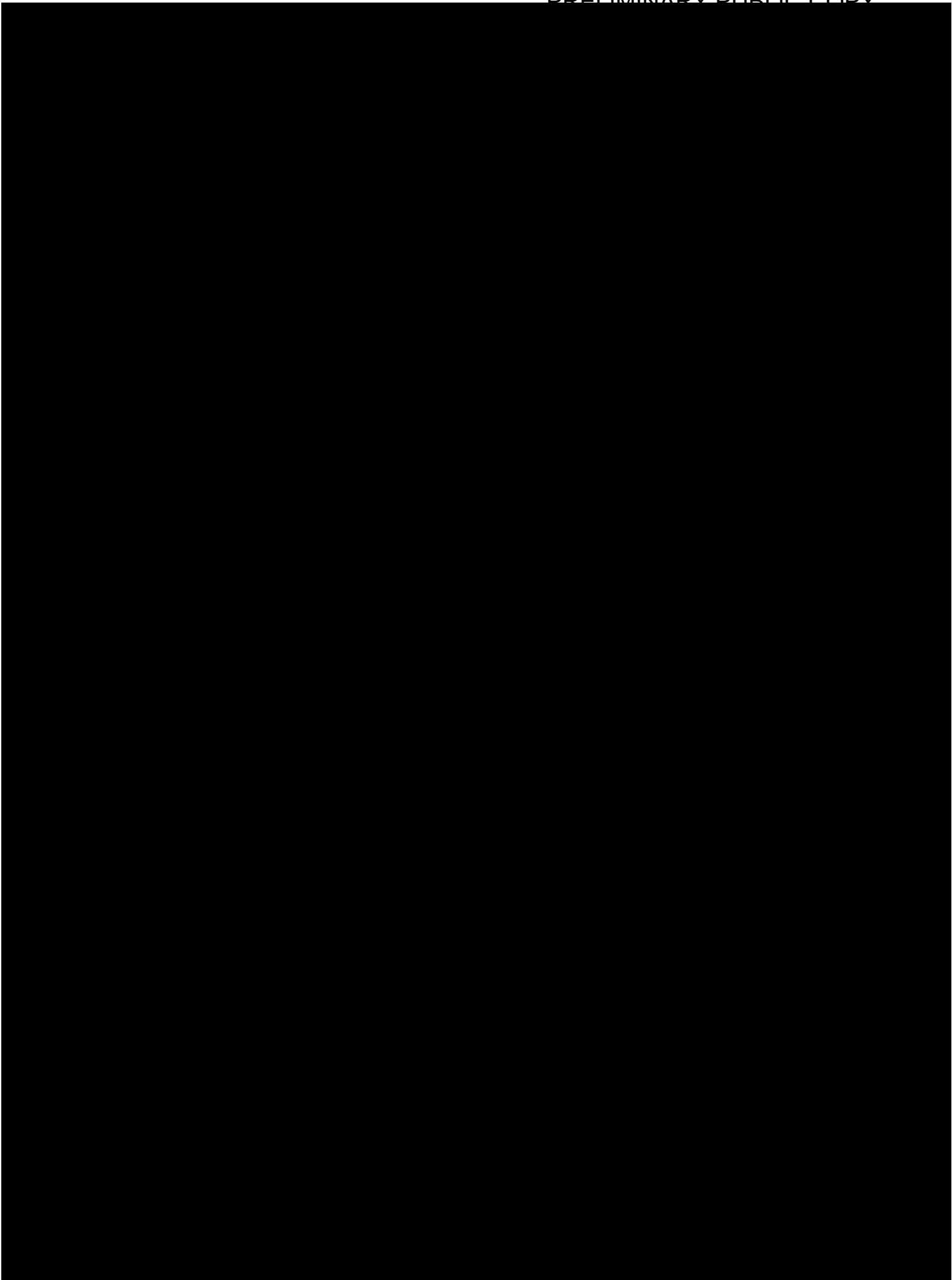


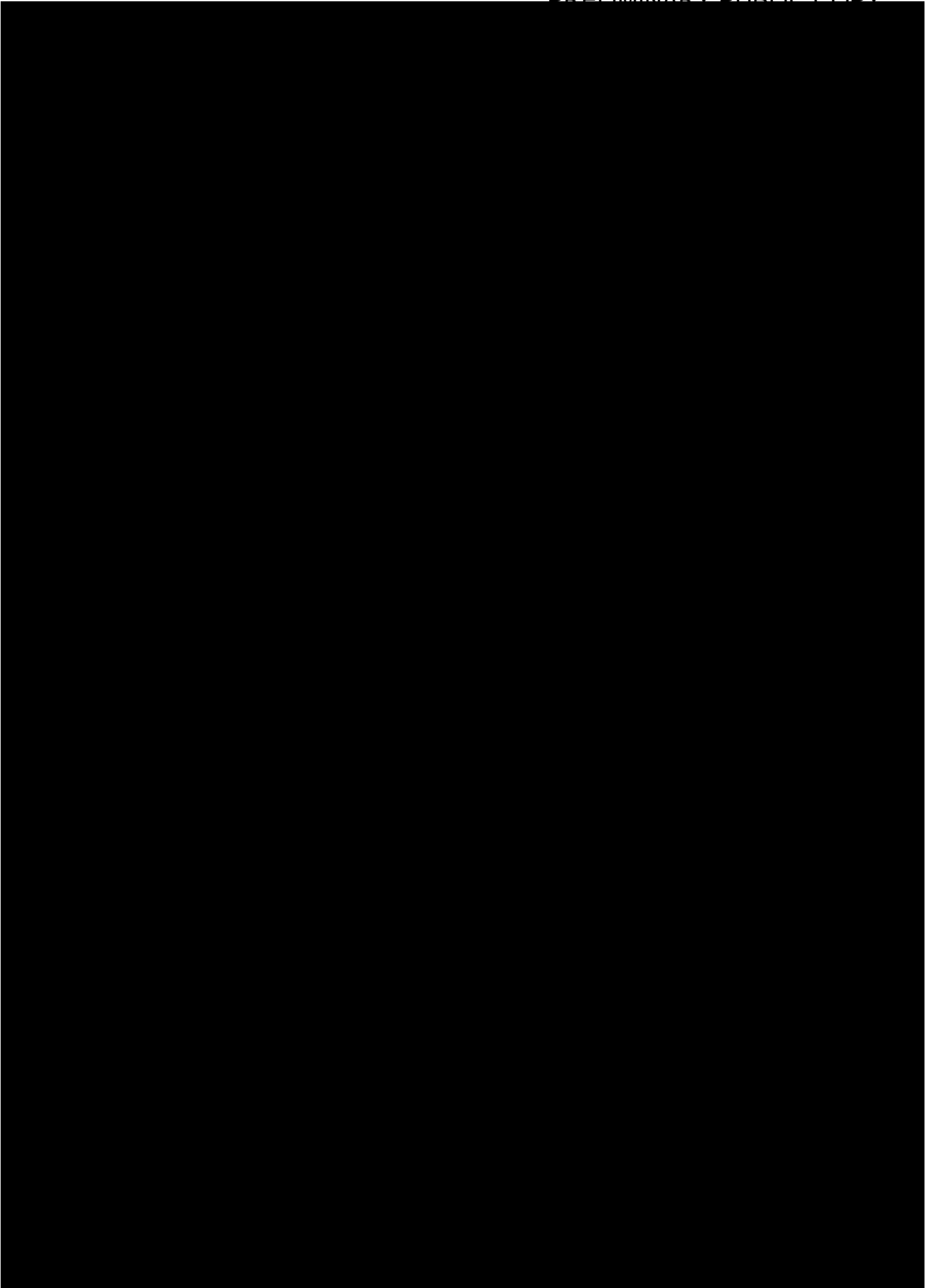


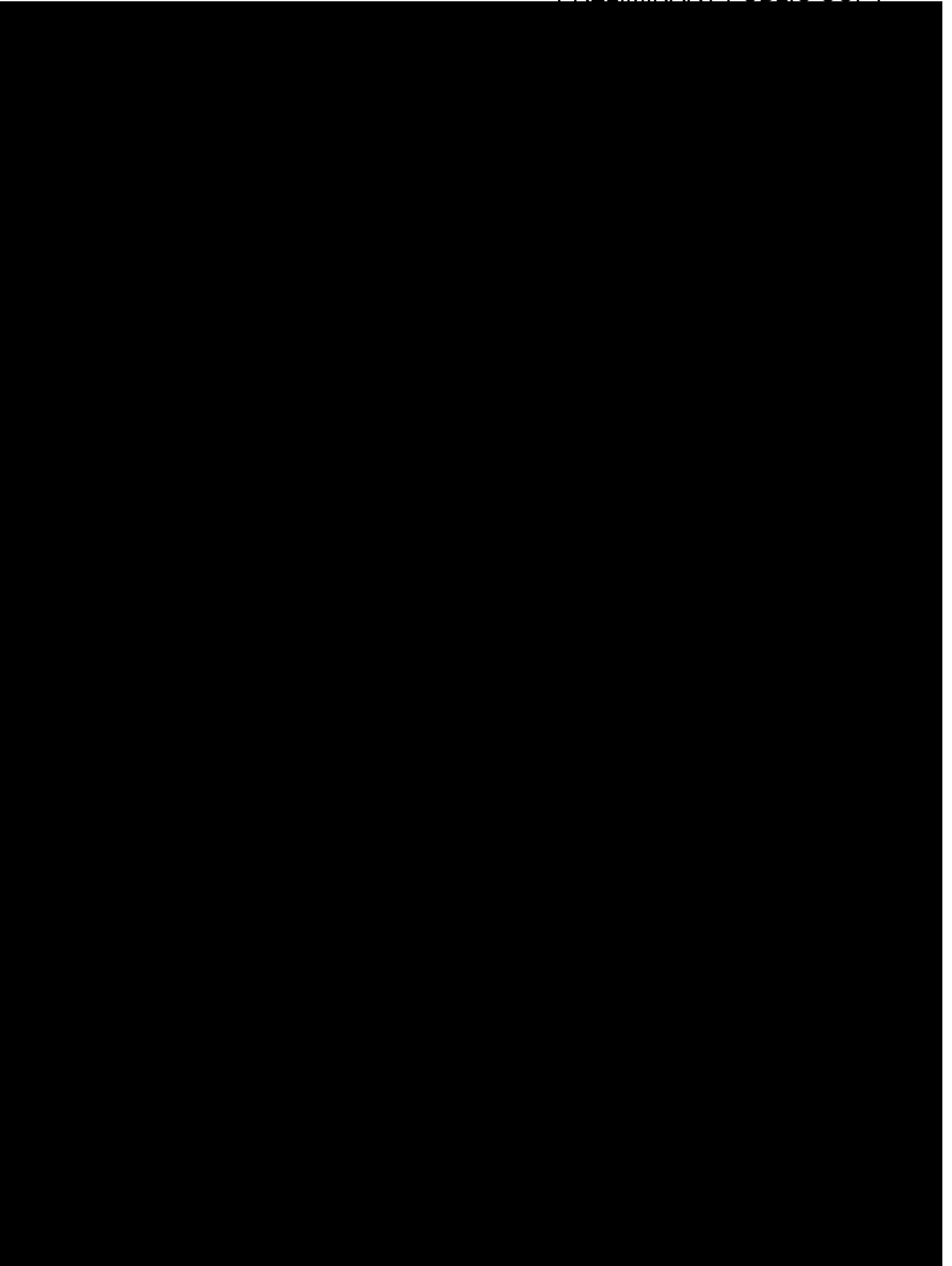


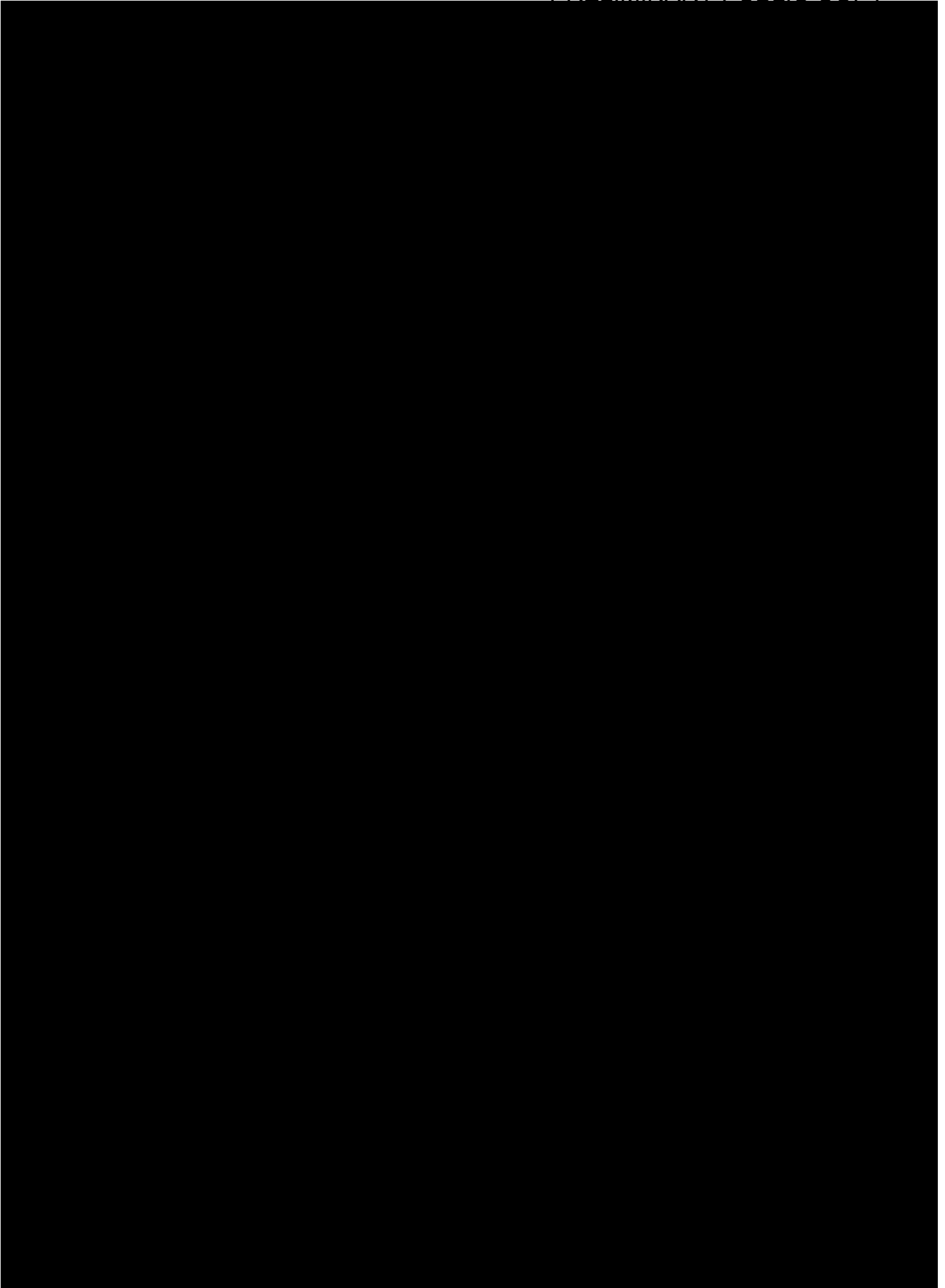


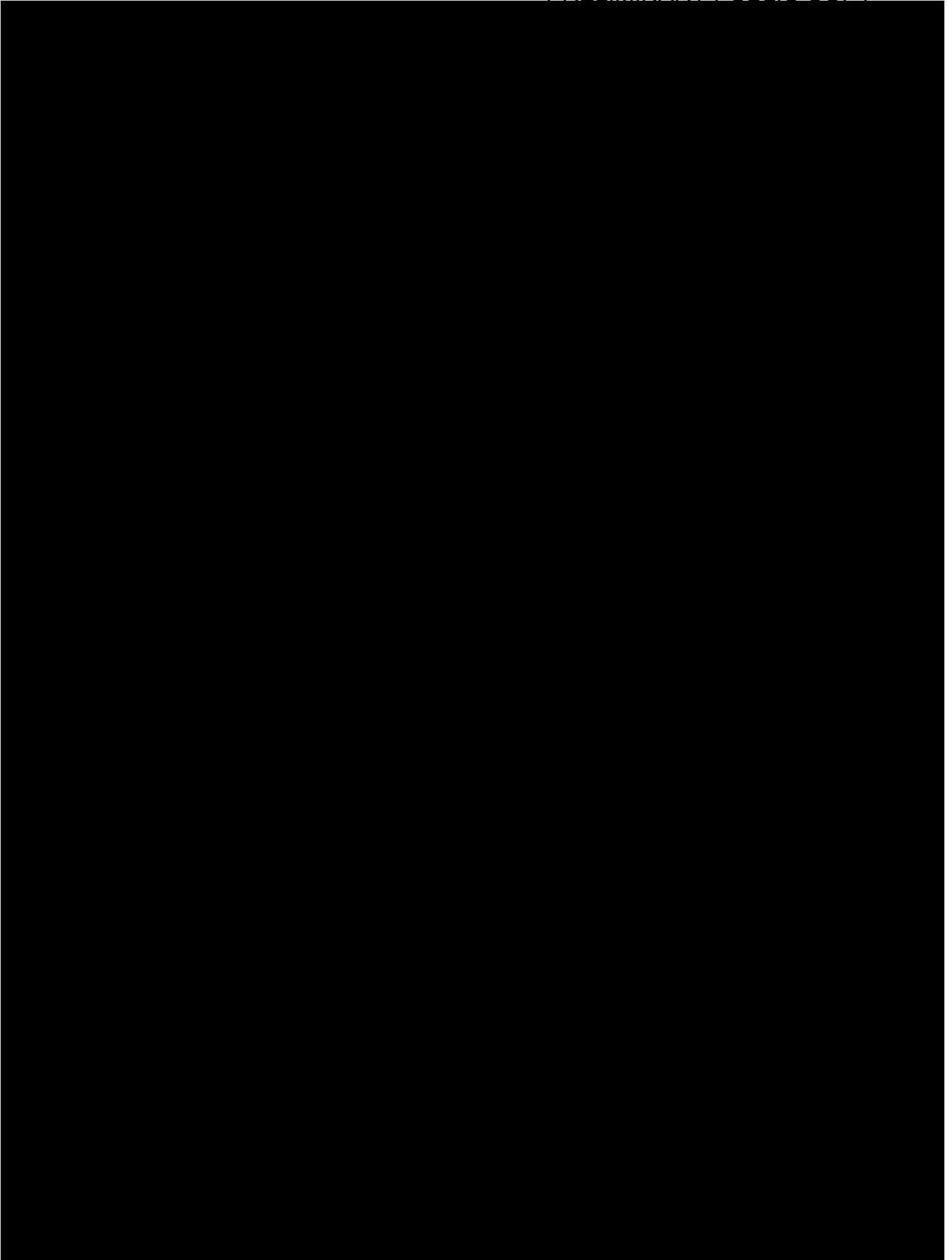


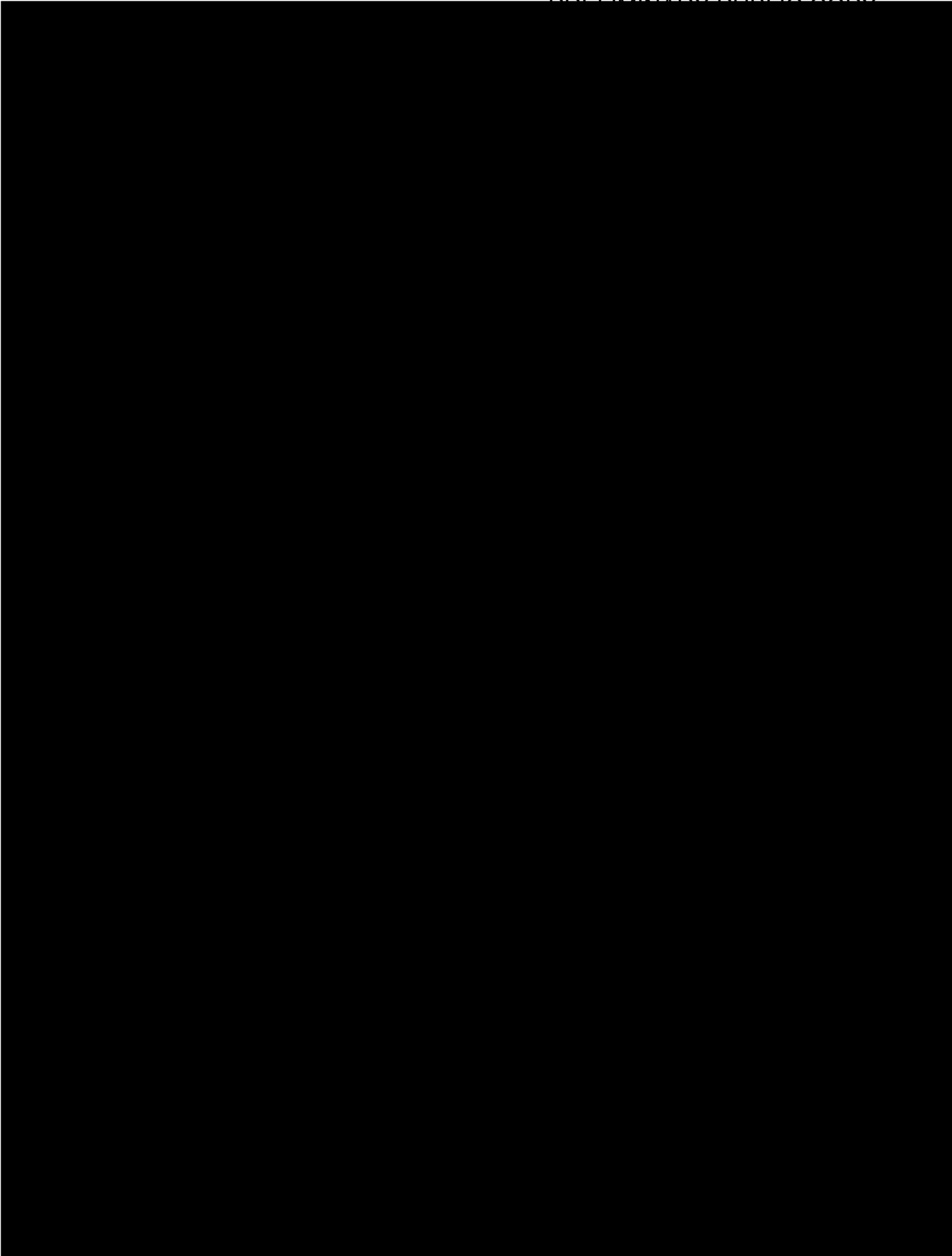


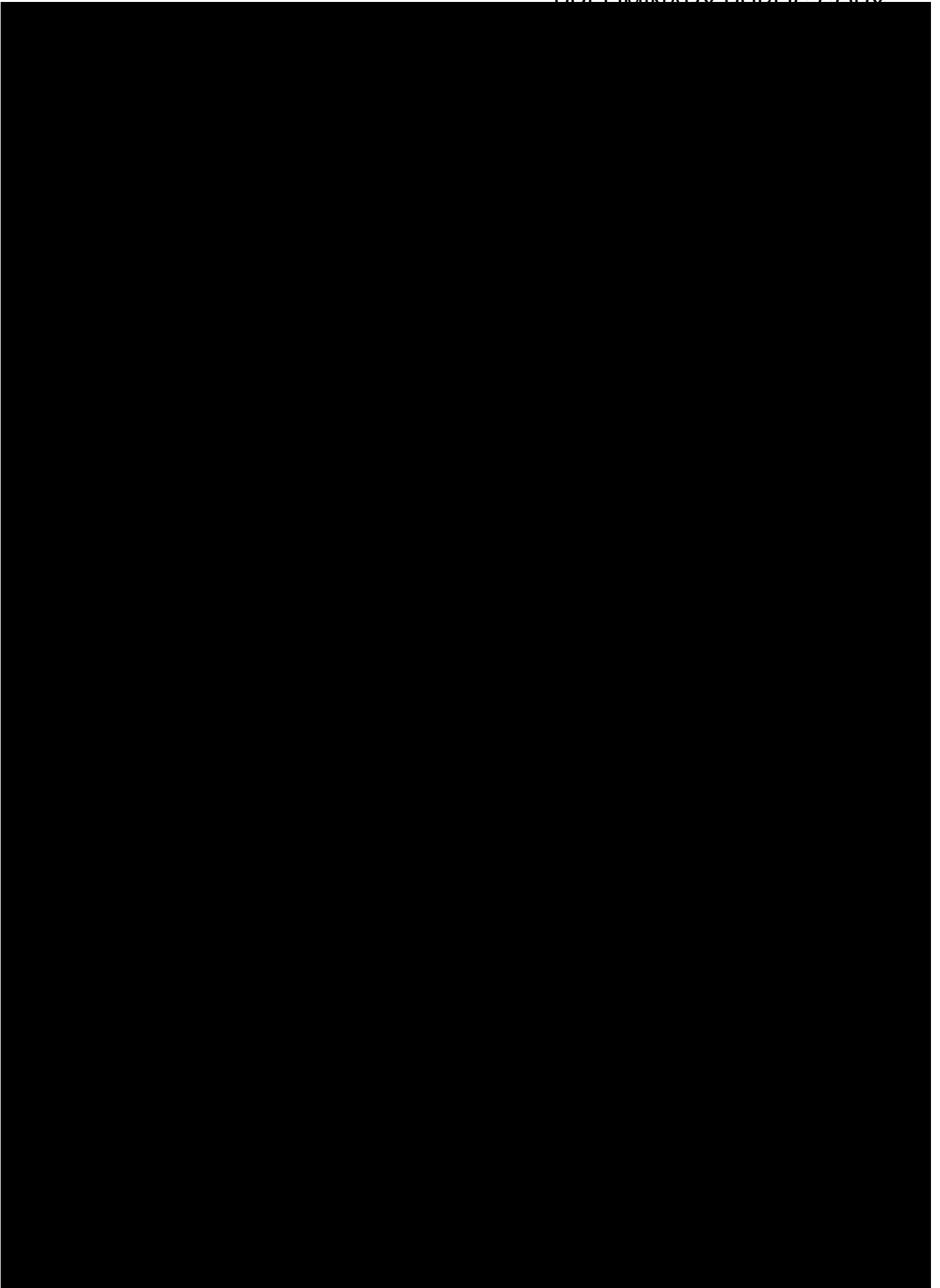


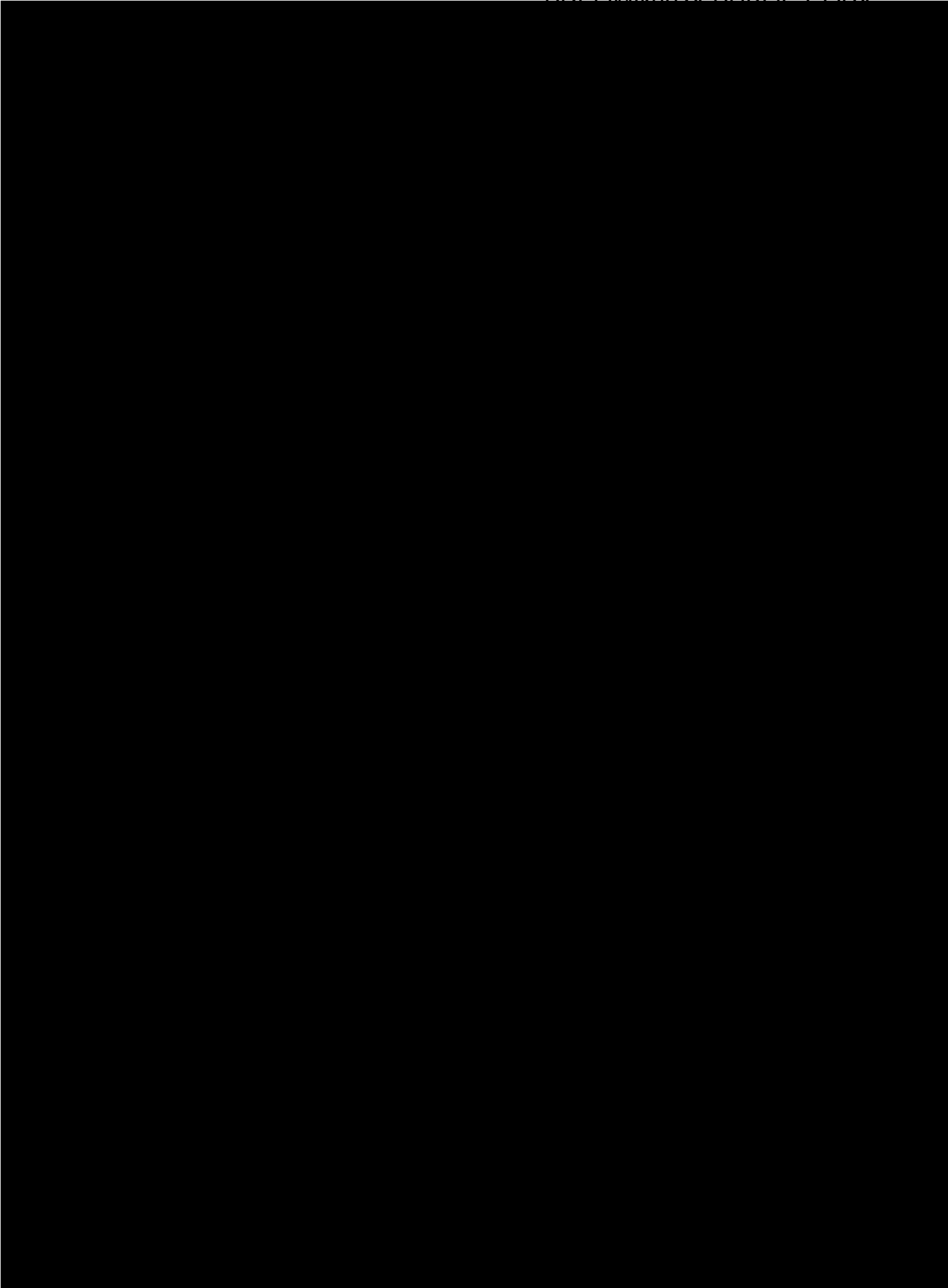


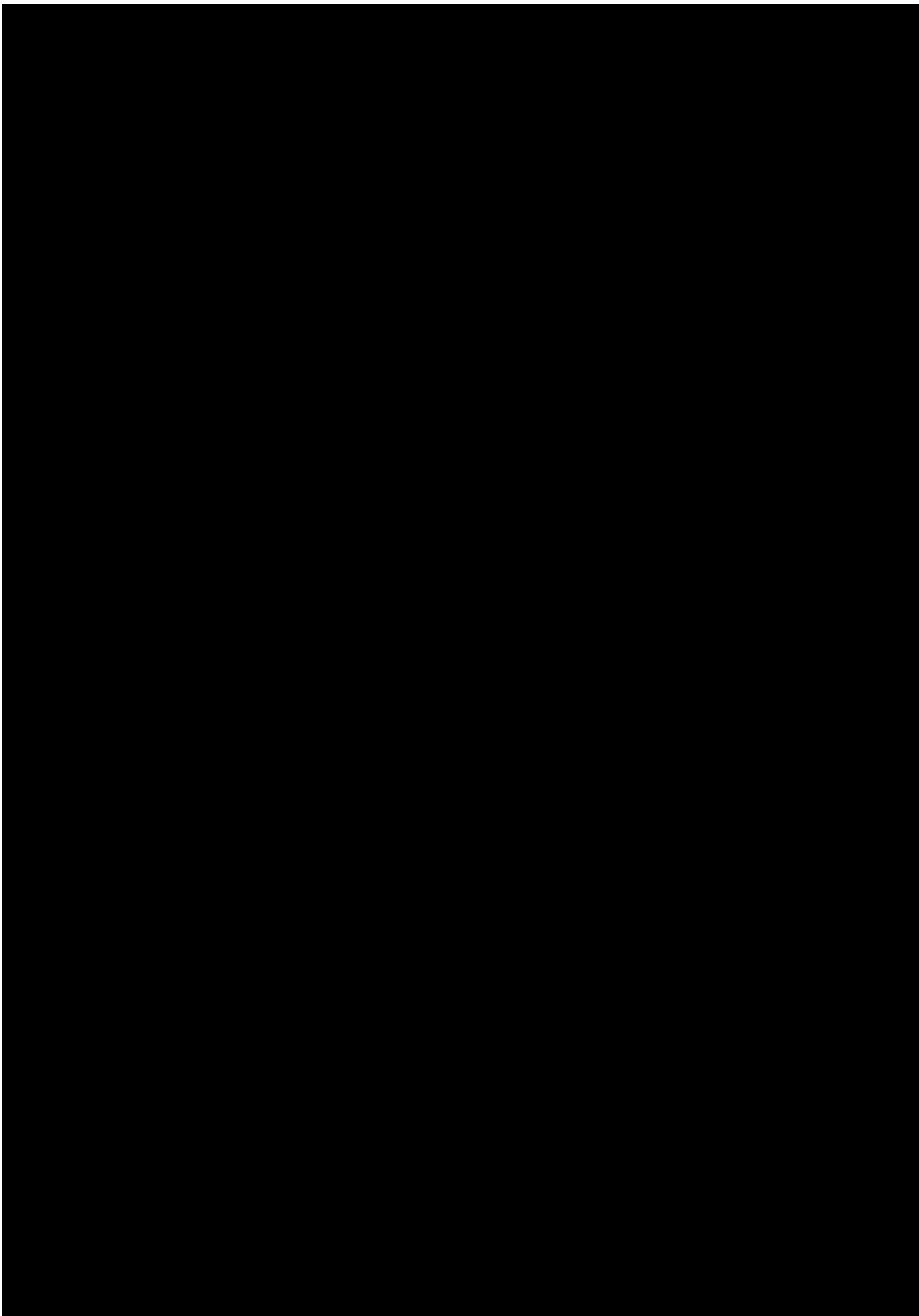


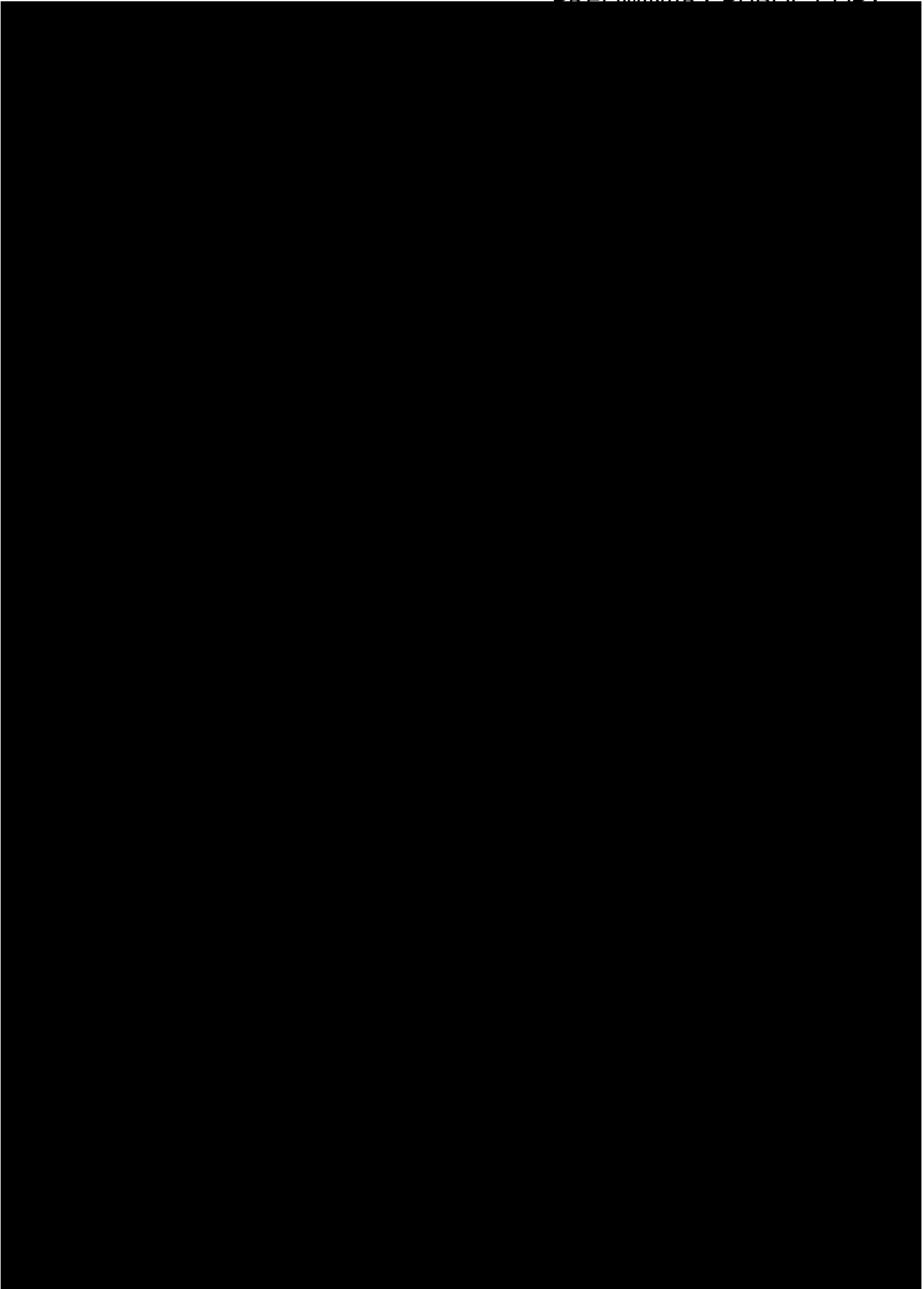


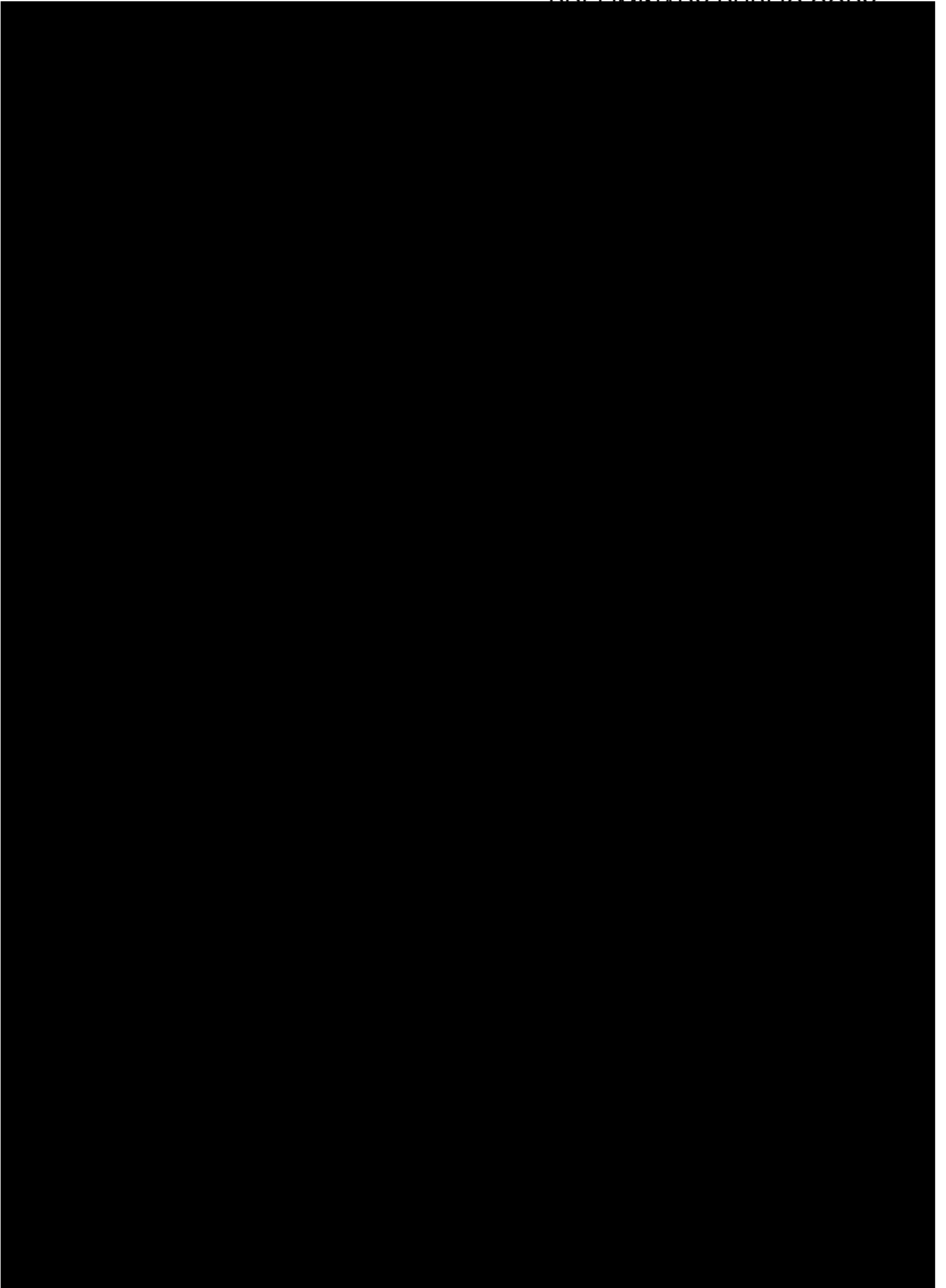


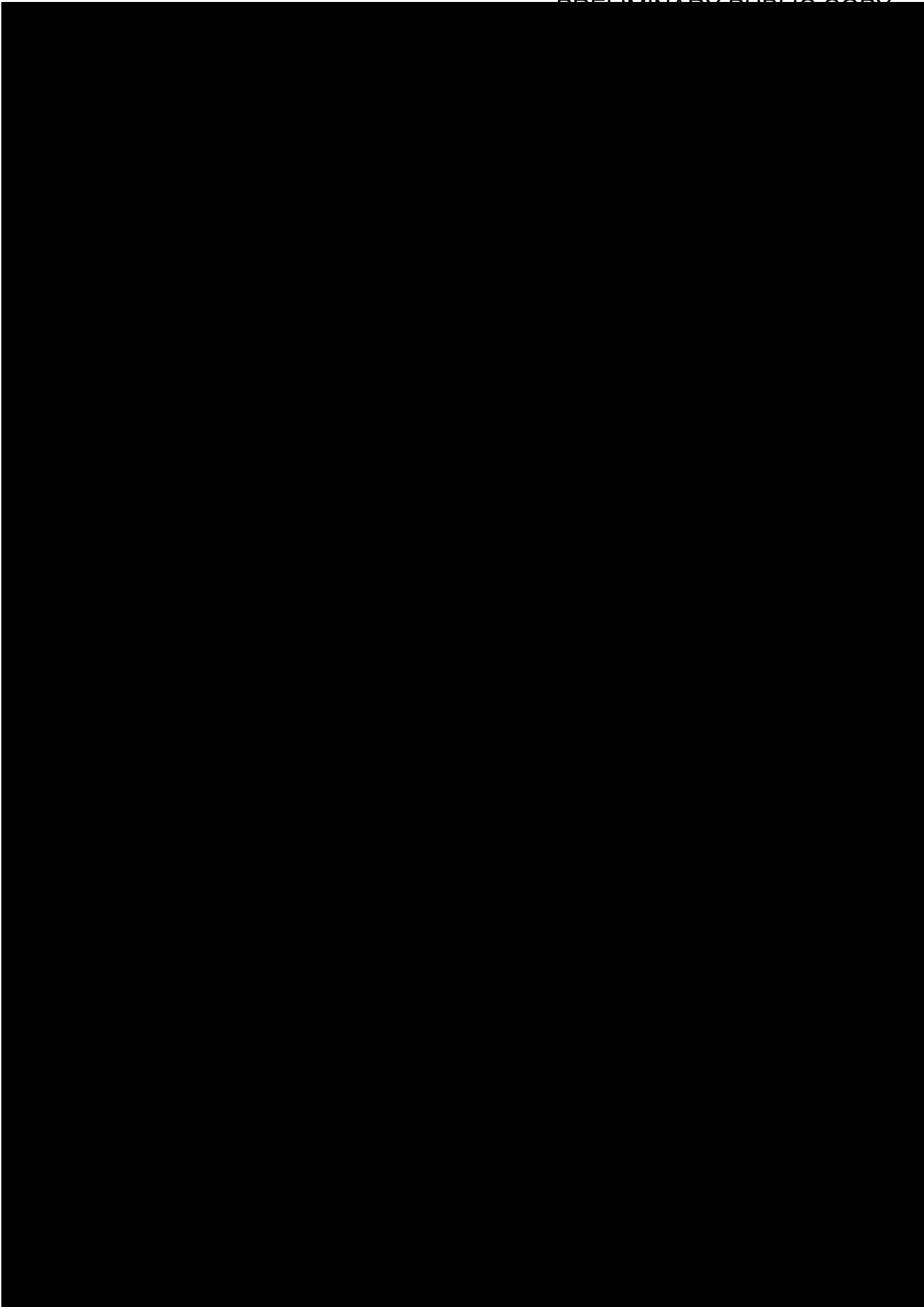


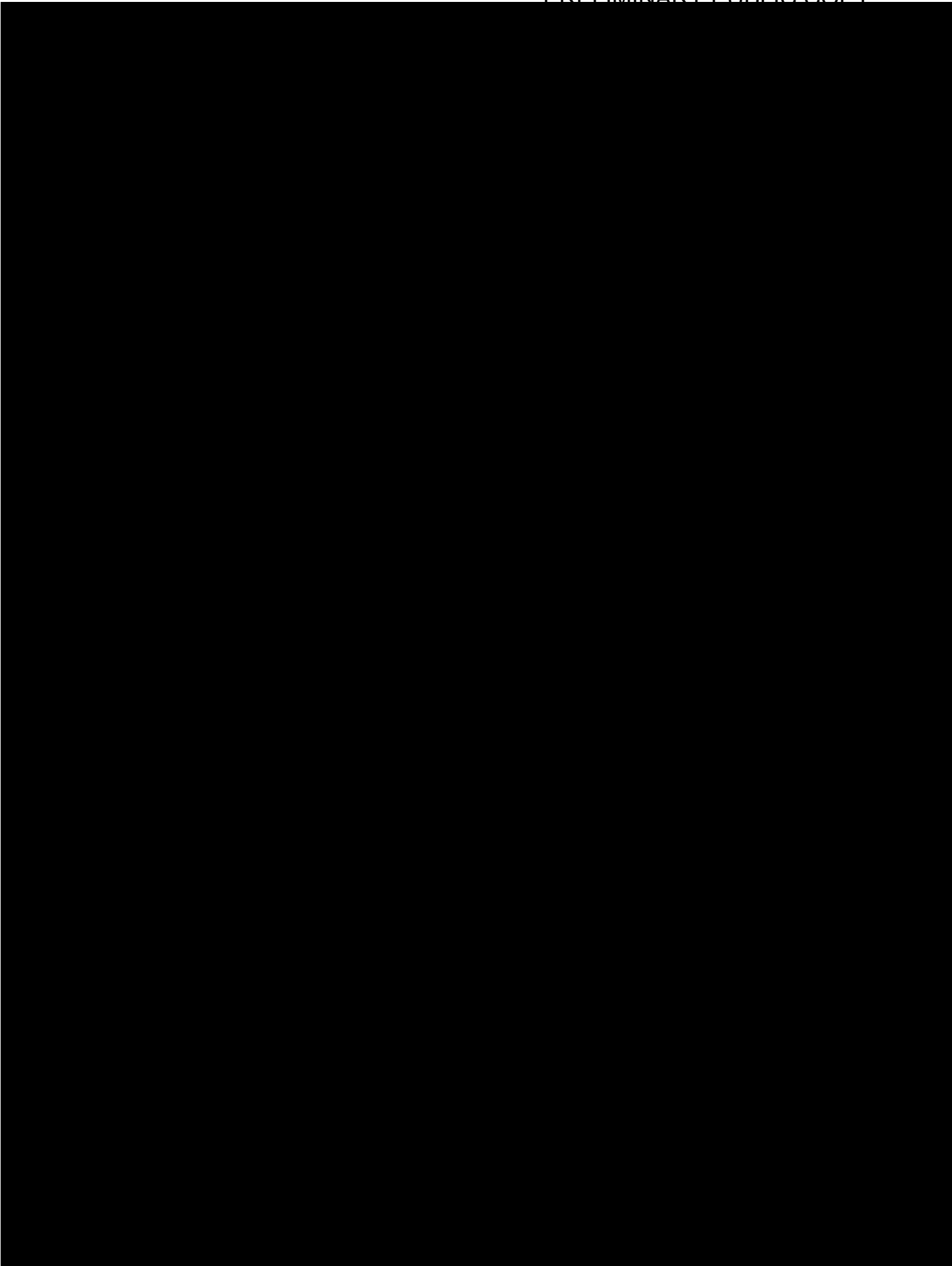


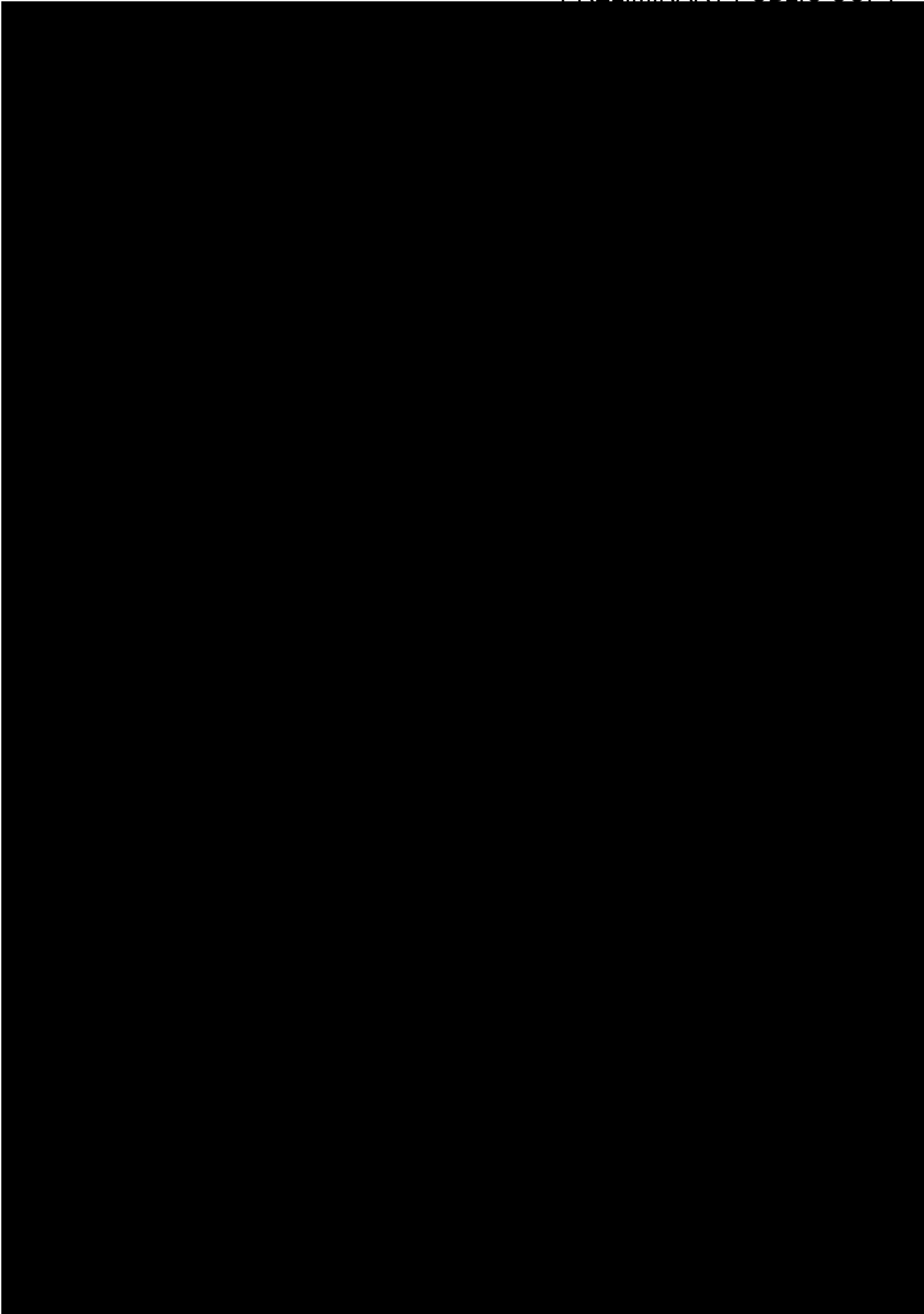


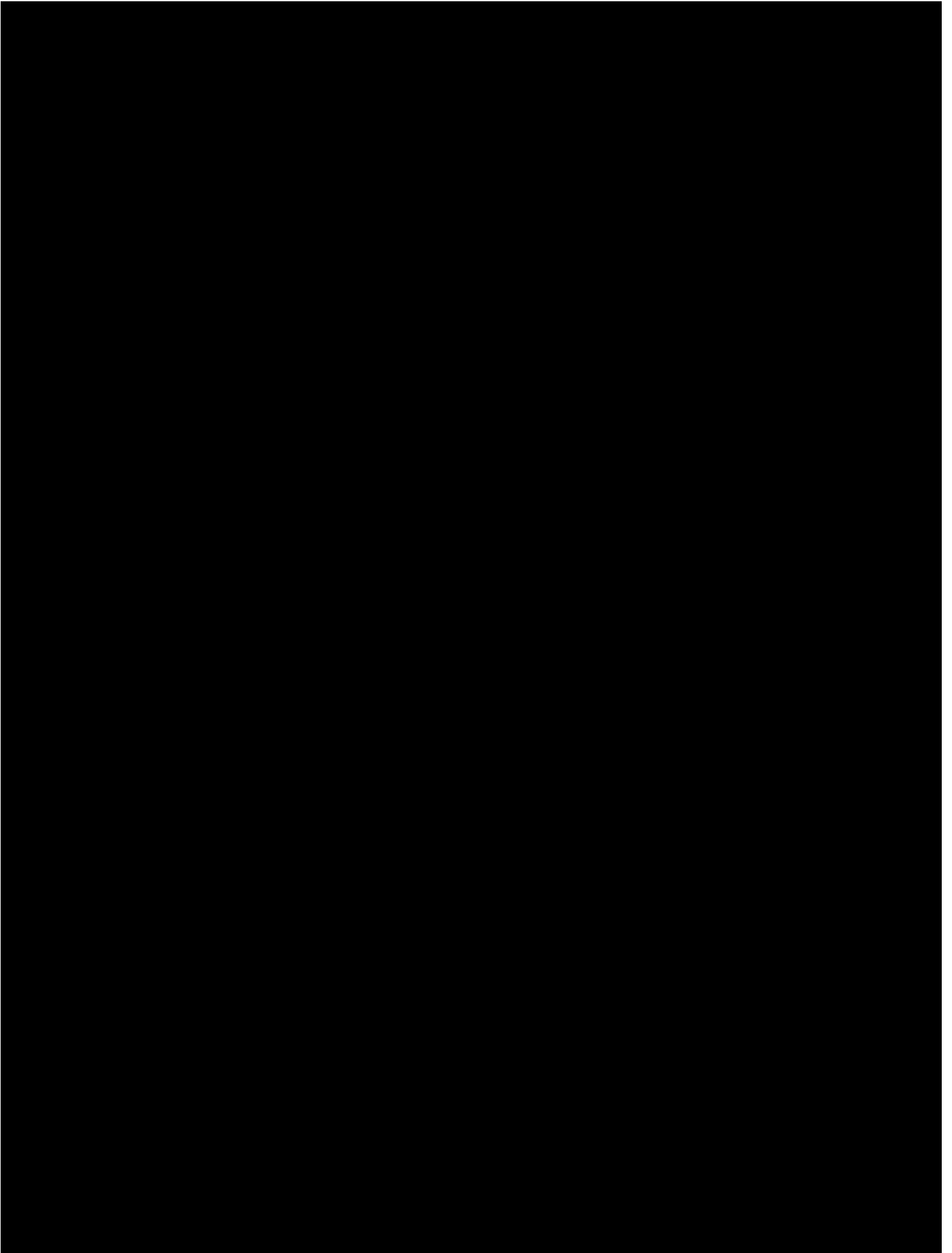


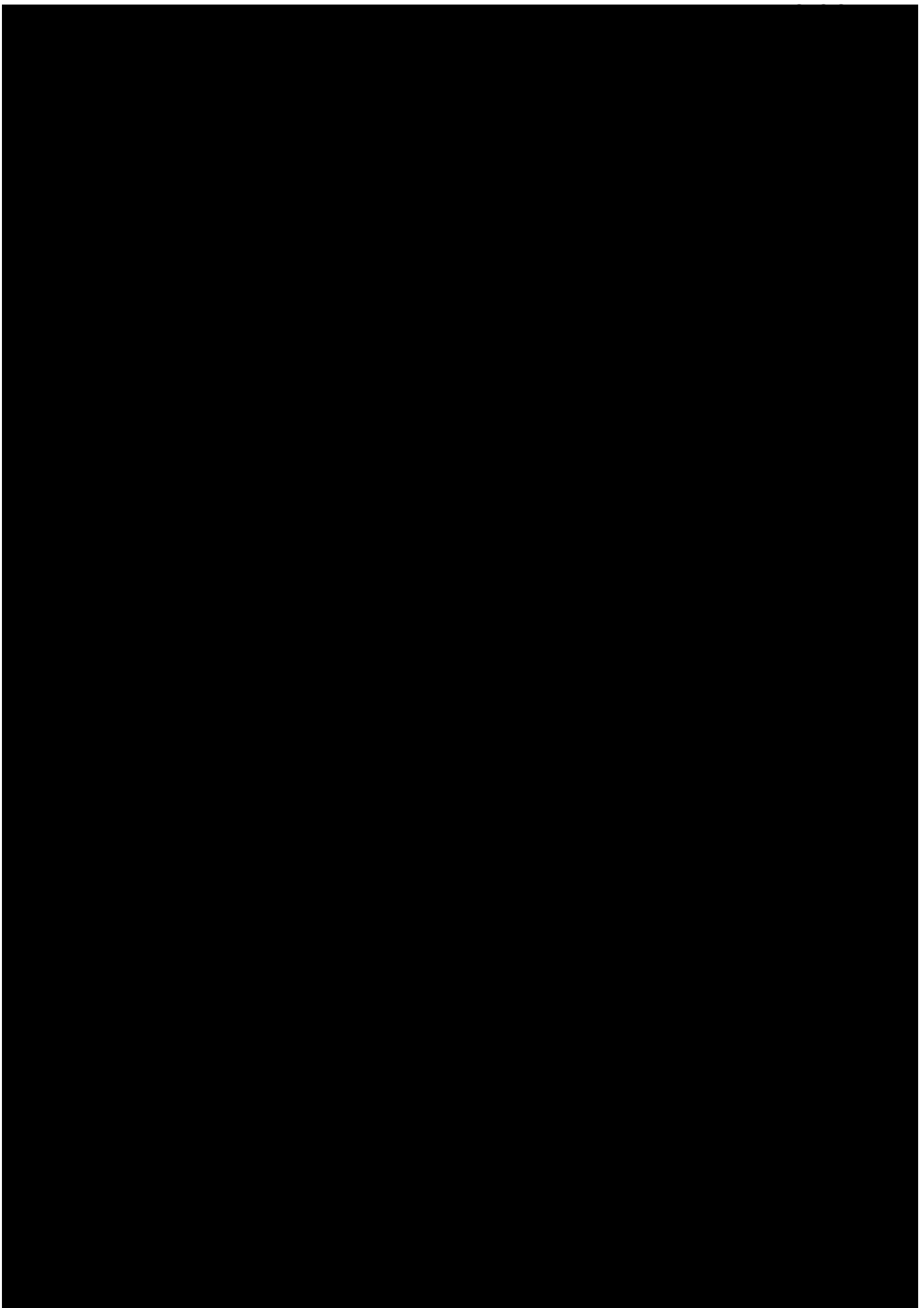


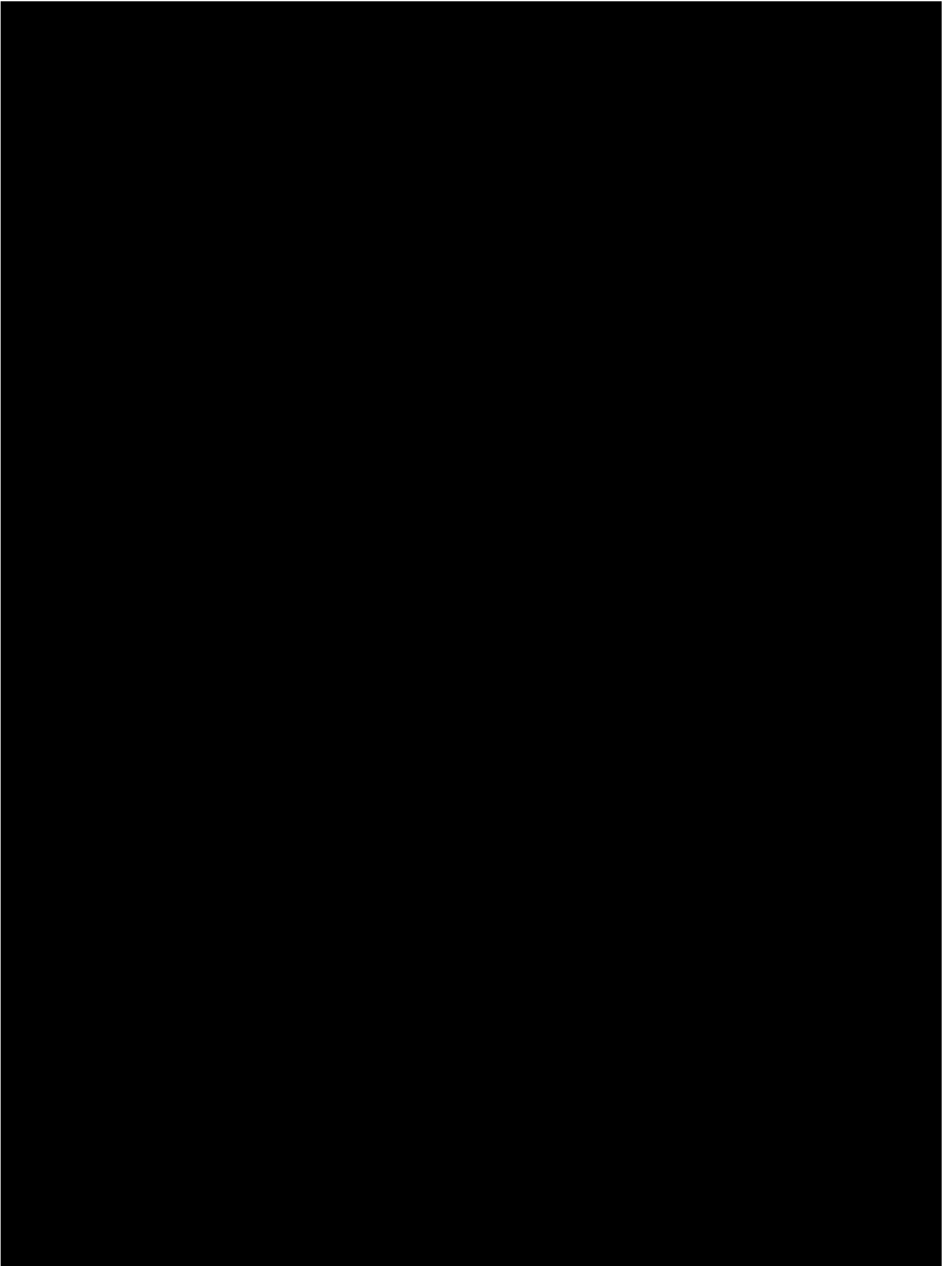


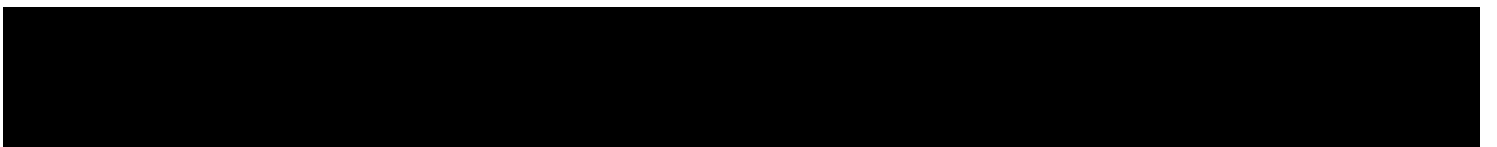


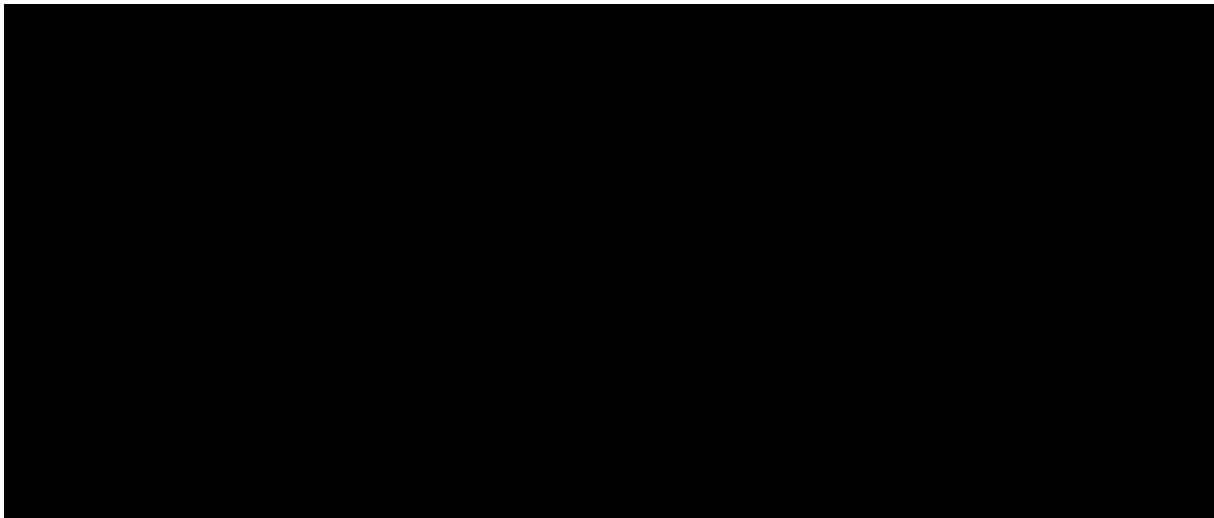












CERTIFIED MAIL- RETURN RECEIPT REQUESTED

REPLY TO
ATTENTION OF

DEPARTMENT OF THE ARMY
PHILADELPHIA DISTRICT CORPS OF ENGINEERS
WANAMAKER BUILDING, 100 PENN SQUARE EAST
PHILADELPHIA, PENNSYLVANIA 19107-3390

November 8, 2019

Regulatory Branch
Application Section II

SUBJECT: CENAP-OP-R-2019-1069-39 (6 NWP 5)
Atlantic Shores Offshore Wind, LLC
Latitude and Longitude: See attached sheet

Ms. Jennifer Daniels
Atlantic Shores Offshore Wind
1 Beacon Street, 15th Floor
Boston, MA 02108

Dear Ms. Daniels:

This is in regard to your proposal to install 2 monitoring buoys in the Atlantic Ocean, approximately 20 miles southeast of Atlantic City, Atlantic County, New Jersey. The 2 buoys will be deployed at six locations within the water. No more than 2 buoys will be installed at any one time, spread over the six locations shown on the attached drawing. Work shall be performed from vessels located off the New Jersey coast. The buoys will be secured to the ocean floor using a clump anchor and chains. The permittee will collect data using two SEAWATCH Wind Lidar Buoys. The work shall be performed as discussed in the Guidelines for Providing Geophysical, Geotechnical, and Geohazard Information Pursuant to 30 CFR Part 585 that was developed by the Bureau of Ocean Energy Management for survey work on the outer continental shelf. This document can be found at https://www.boem.gov/G_G_Guidelines_Providing_Geophysical_Geotechnical_Geohazard_Information_Pursuant_to_30_CFR_Part_585/

Based upon our review of the information you have provided, it has been determined that your project is approved by the existing Department of the Army Nationwide Permit 5 (NWP 5) described below provided the work is conducted in compliance with the NWP general conditions, regional conditions, and the project specific special conditions.

NWP 5. Scientific Measurement Devices. Devices, whose purpose is to measure and record scientific data, such as staff gages, tide and current gages, meteorological stations, water recording and biological observation devices, water quality testing and improvement devices, and similar structures. Small weirs and flumes constructed primarily to record water quantity and velocity are also authorized provided the discharge is limited to 25 cubic yards. Upon completion of the use of the device to measure and record scientific data, the measuring device and any other structures or fills associated with that device (e.g., foundations, anchors, buoys, lines, etc.) must be removed to the maximum extent practicable and the site restored to pre-construction elevations.

(**Authorities:** Section 10 of the Rivers and Harbors Act of 1899 and section 404 of the Clean Water Act (Sections 10 and 404))

You are advised that this verification of NWP authorization is valid until the Nationwide Permits expire on March 18, 2022, unless the NWP authorization is modified, suspended, or revoked prior to this date. In the event that the NWP authorization is modified during that time period, this expiration date will remain valid, provided the activity complies with any subsequent modification of the NWP authorization.

It is noted that CZM consistency from the State is only required for those activities in or affecting a State's coastal zone. Additionally, some of the NWPs do not involve a discharge of dredged or fill material, and as such, do not require a 401 WQC. If the State has denied the required WQC and/or not concurred with the Corps' CZM consistency determination, the NWP authorization is considered denied without prejudice until an individual project specific WQC and/or CZM approval is obtained. No WQC or CZM are required for this action.

The activities authorized by this NWP verification must comply with the NWP General Conditions, as applicable, in addition to any regional or case-specific conditions imposed by the division engineer or district engineer. A copy of the NWP General Conditions and the Philadelphia District 2017 NWP Regional Permit Conditions for New Jersey for which this verification is subject to, can be found at:

<http://www.nap.usace.army.mil/Portals/39/docs/regulatory/publicnotices/2017%20Nationwide%20Permit%20General%20Conditions.pdf>

http://www.nap.usace.army.mil/Portals/39/docs/regulatory/publicnotices/2017_NJ_Reg_Cond_Final.pdf

In instances where you are unable to access a digital copy of the 2017 NWP General conditions and/or the 2017 NWP Regional Permit Conditions for New Jersey, a hard copy will be transmitted by registered mail to you per request. It is further noted that you may request a copy by email at any time in which the NWP General Conditions and Regional Permit Conditions will be provided to you by facsimile or other electronic means per your request.

Activities which have commenced (i.e., are under construction) or are under contract to commence in reliance upon an NWP will remain authorized provided the activity is completed within twelve months of the date of an NWP's expiration, modification, or revocation, unless discretionary authority has been exercised on a case-by-case basis to modify, suspend, or revoke the authorization in accordance with 33 CFR 330.4(e) and 33 CFR 330.5 (c) or (d). Activities completed under the authorization of an NWP which was in effect at the time the activity was completed continue to be authorized by that NWP.

You should carefully note that this NWP authorization is based upon your agreement to comply with the terms and conditions of this NWP including any and all attached project specific special conditions listed below. Initiation of any authorized work shall constitute your agreement to comply with all of the NWP's conditions. You should also note that the authorized work may

be subject to periodic inspections by a representative of this office. The verification of a Nationwide Permit including all general and special conditions is not subject to appeal.

PROJECT SPECIFIC SPECIAL CONDITIONS:

1. All work performed in association with the above noted project shall be located in accordance with the attached documents. The project plans provide for the installation of buoys to gather scientific data for a potential wind turbine farm approximately 20 nautical miles southeast of Atlantic City, Atlantic County, New Jersey. Two SEAWATCH Wind Lidar Buoys will be deployed in the ocean, spread over 6 locations. The buoys will be secured to the ocean floor using clump weights and chains.
2. Construction activities shall not result in the disturbance or alteration of greater than 1 acre of waters of the United States.
3. Any deviation in construction methodology or project design from that shown on the above noted drawings or repair plan must be approved by this office, in writing, prior to performance of the work. All modifications to the above noted project plans shall be approved, in writing, by this office. No work shall be performed prior to written approval of this office.
4. This office shall be notified prior to the commencement of authorized work by completing and signing the enclosed Notification/ Certification of Work Commencement Form (Enclosure 1). This office shall also be notified within 10 days of the completion of the authorized work by completing and signing the enclosed Notification/Certification of Work Completion/Compliance Form (Enclosure 2). All notifications required by this condition shall be in writing. The Notification of Commencement of work may be sent to this office by facsimile or other electronic means; all other notification shall be transmitted to this office by registered mail. Oral notifications are not acceptable. Similar notification is required each time maintenance work is to be done under the terms of this Corps of Engineers permit.
5. The permittee understands and agrees that, if future operations by the United States require the removal, relocation, or other alteration, of the structure or work herein authorized, or if, in the opinion of the Secretary of the Army or his authorized representative, said structure or work shall cause unreasonable obstruction to the free navigation of the navigable waters, the permittee will be required, upon due notice from the Corps of Engineers, to remove, relocate, or alter the structural work or obstructions caused thereby, without expense to the United States. No claim shall be made against the United States on account of any such removal or alteration.
6. A minimum of 30 days prior to commencing work, the permittee/contractor shall request in writing, from the U.S. Coast Guard, that a Local Notice to Mariners be issued regarding the authorized construction work. This written request shall include the location of work, a description of the construction activities; type of construction equipment to be used and expected duration of work in the waterway. The written request should be addressed to the following: Commander, Fifth Coast Guard District, Aids to Navigation Branch, Federal Building, 431 Crawford Street, Portsmouth, Virginia 23704-5004, FAX Number 804-398-6303. A copy of the cover letter shall be forward to our office for our records.

7. The permittee shall submit a copy of Enclosure 2 when the buoys are removed from the ocean.

Also enclosed is a pre-addressed postal card (Enclosure 3) soliciting your comments on the processing of your application. Any comments, positive or otherwise, on the procedures, timeliness, fairness, etc., may be made on this card. If you should have any questions regarding this matter, please contact Lawrence Slavitter at 215-656-6734 or write to the above address.

Sincerely,

A handwritten signature in cursive script, appearing to read "Edward E. Bonner".

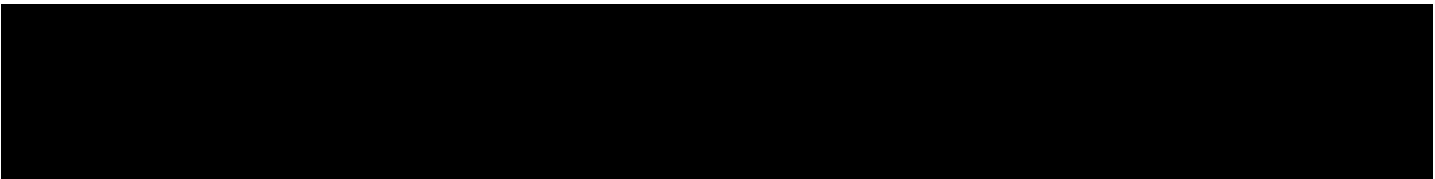
Edward E. Bonner
Chief, Regulatory Branch

Enclosures

Copies Furnished:

NJDEP, LURP
NMFS (Gloucester, MA)
NMFS (Sandy Hook, NJ)
USFWS (Galloway, NJ)
USEPA, Region II
USCG Fifth District
USCG Philadelphia
BOEM Michelle Morin

James Ransom
Fugro
6100 Hillcroft Avenue
Houston, Texas 77081



DEPARTMENT OF HOMELAND SECURITY

U.S. Coast Guard

OMB Approval: 1625-0011

Expiration Date: 12/31/2017

PRIVATE AIDS TO NAVIGATION APPLICATION

(See attached instructions and copy of Code of Federal Regulations, Title 33, Chap. 1, Part 66)

NO PRIVATE AID TO NAVIGATION MAY BE AUTHORIZED UNLESS A COMPLETED APPLICATION FORM HAS BEEN RECEIVED (14 U.S.C. 83; 33 CFR. 66. 01-5).

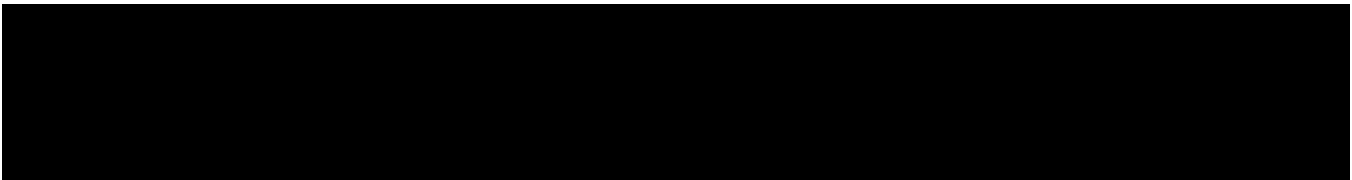
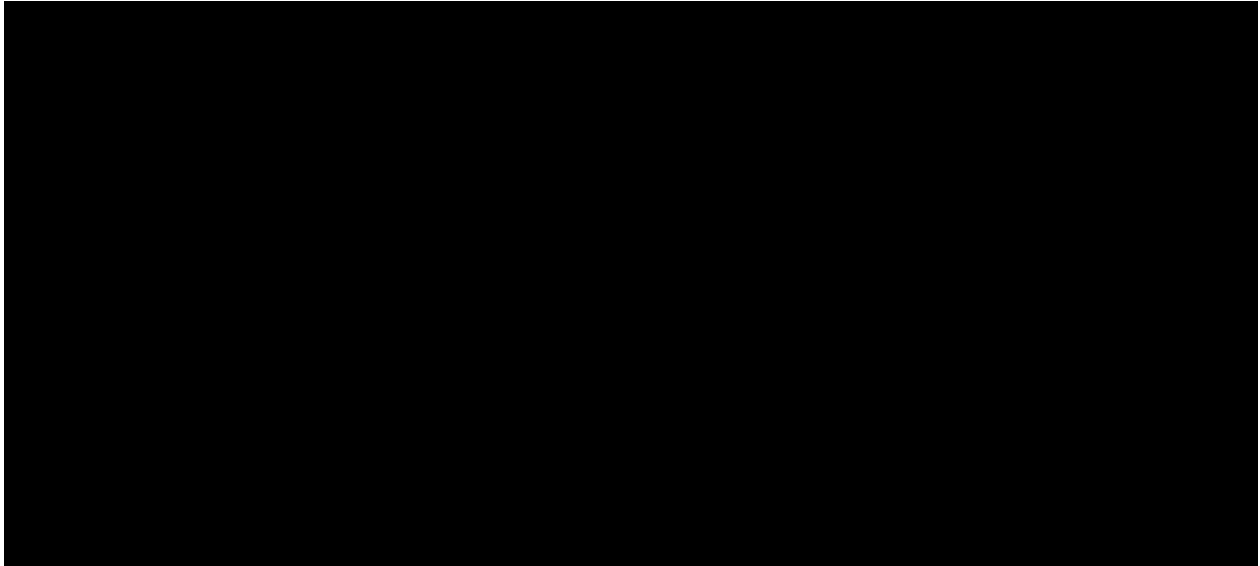
1. ACTION REQUESTED FOR PRIVATE AIDS TO NAVIGATION:	<input checked="" type="checkbox"/> A. ESTABLISH AND MAINTAIN	<input type="checkbox"/> B. DISCONTINUE	<input type="checkbox"/> C. CHANGE	<input type="checkbox"/> D. TRANSFER OWNERSHIP	2. DATE ACTION TO START: 12/12/2019
3. AIDS WILL BE OPERATED:	<input type="checkbox"/> A. YEAR-ROUND	<input checked="" type="checkbox"/> B. TEMPORARILY UNTIL 06/20/2023	<input type="checkbox"/> C. SEASONAL FROM _____ TO _____		
4. NECESSITY FOR AID (Continue in Block 8)	5. GENERAL LOCALITY 17 nm W of Brigantine		6. AUTHORIZING PERMIT FOR THIS STRUCTURE OR BUOY USACE <input checked="" type="checkbox"/> PERMIT AND/OR STATE <input type="checkbox"/> PERMIT (Valid Permit Number) NWP-5		

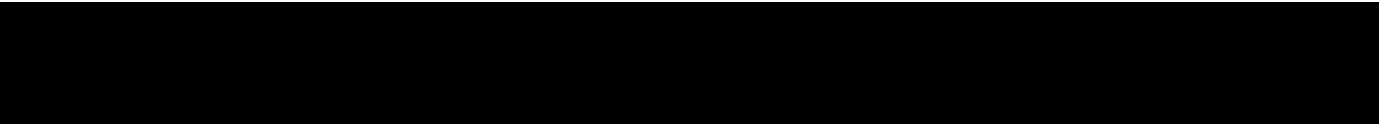
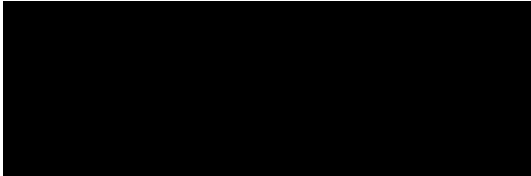
FOR DISTRICT COMMANDERS ONLY		7. APPLICANT WILL FILL IN APPLICABLE REMAINING COLUMNS									
LIGHT LIST NUMBER	NAME OF AID	NO. OR LTR (7a)	LIGHT			POSITION (7e)	DEPTH OF WATER (7f)	CANDELA (7g)	FOCAL PLANE HEIGHT (7h)	STRUCTURE TYPE, COLOR, AND HEIGHT ABOVE GROUND (7i)	REMARKS (See instructions) (7j)
			FLASH PERIOD (7b)	FLASH LENGTH (7c)	COLOR (7d)						
50	ASOW Lighted Meteorological Buoy	± A	20	5	Yellow	39 16' 18" N 73 56' 21" W	32 m		4 m	2.8 m diameter yellow disc buoy	Flash cycle is 20 seconds. 5s (0.5on/0.5off), 15 seconds off. Light range 4 nm.
55	ASOW Lighted Meteorological Buoy	± B	20	5	Yellow	39 18' 34" N 74 06' 33" W	27 m		4 m	2.8 m diameter yellow disc buoy	Flash cycle is 20 seconds. 5s (0.5on/0.5off), 15 seconds off. Light range 4 nm.

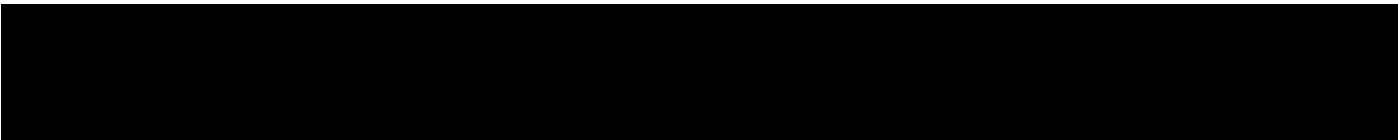
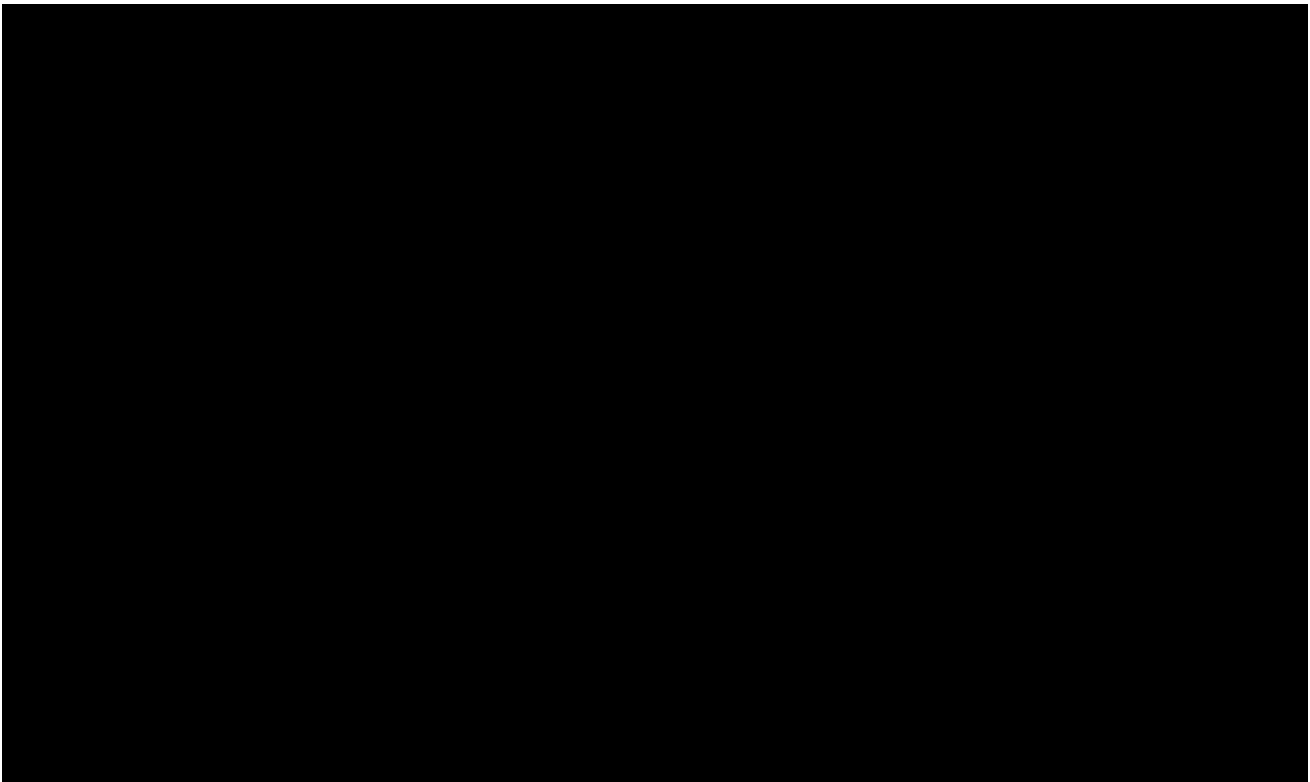
8. ADDITIONAL COMMENTS
Flash Characteristic: Fl (5) Y 20s

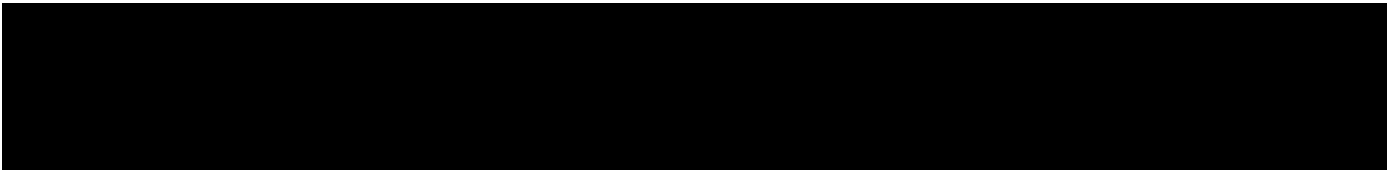
9a. NAME AND ADDRESS OF PERSON IN DIRECT CHARGE OF THE AID(S) James Ranson 6100 Hillcroft, Houston, TX 77081	10a. NAME AND ADDRESS OF PERSON OR CORPORATION AT WHOSE EXPENSE THE AID(S) WILL BE MAINTAINED Fugro USA Marine, Inc 6100 Hillcroft, Houston, TX 77081	10b. THE APPLICANT AGREES TO SAVE THE COAST GUARD HARMLESS WITH RESPECT TO ANY CLAIM OR CLAIMS THAT MAY RESULT ARISING FROM THE ALLEGED NEGLIGENCE OF THE MAINTENANCE OR OPERATION OF THE APPROVED AID(S).
9b. TELEPHONE NO. +1 713 346 3615		10c. DATE 10/31/2019
9c. E-MAIL ADDRESS j.ranson@fugro.com		10d. SIGNATURE AND TITLE OF OFFICIAL SIGNING <i>Garshar James Ranson</i>

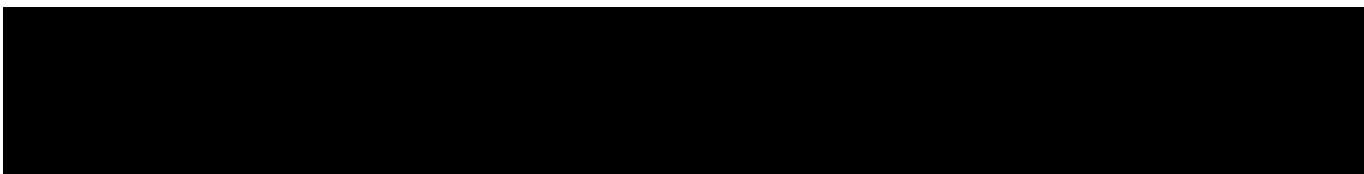
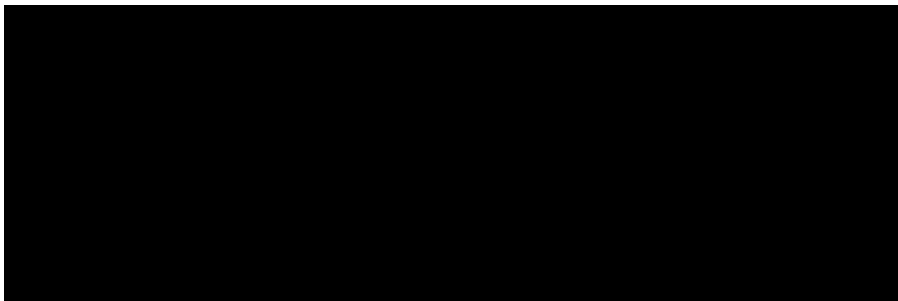
FOR USE BY DISTRICT COMMANDER		RECD	DATE APPROVED	SIGNATURE (By direction)
SERIAL NO. 19-0073	CLASSIFICATION OF AIDS(S) II	CHART 12318		
		LNM		

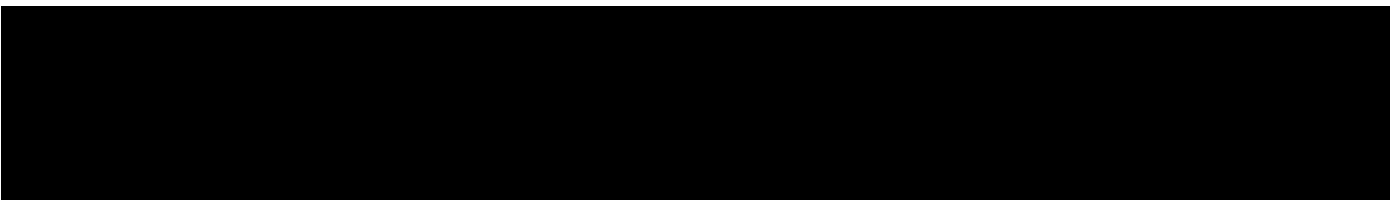
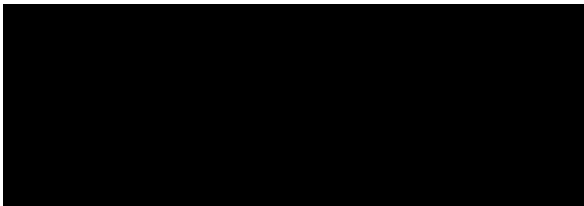




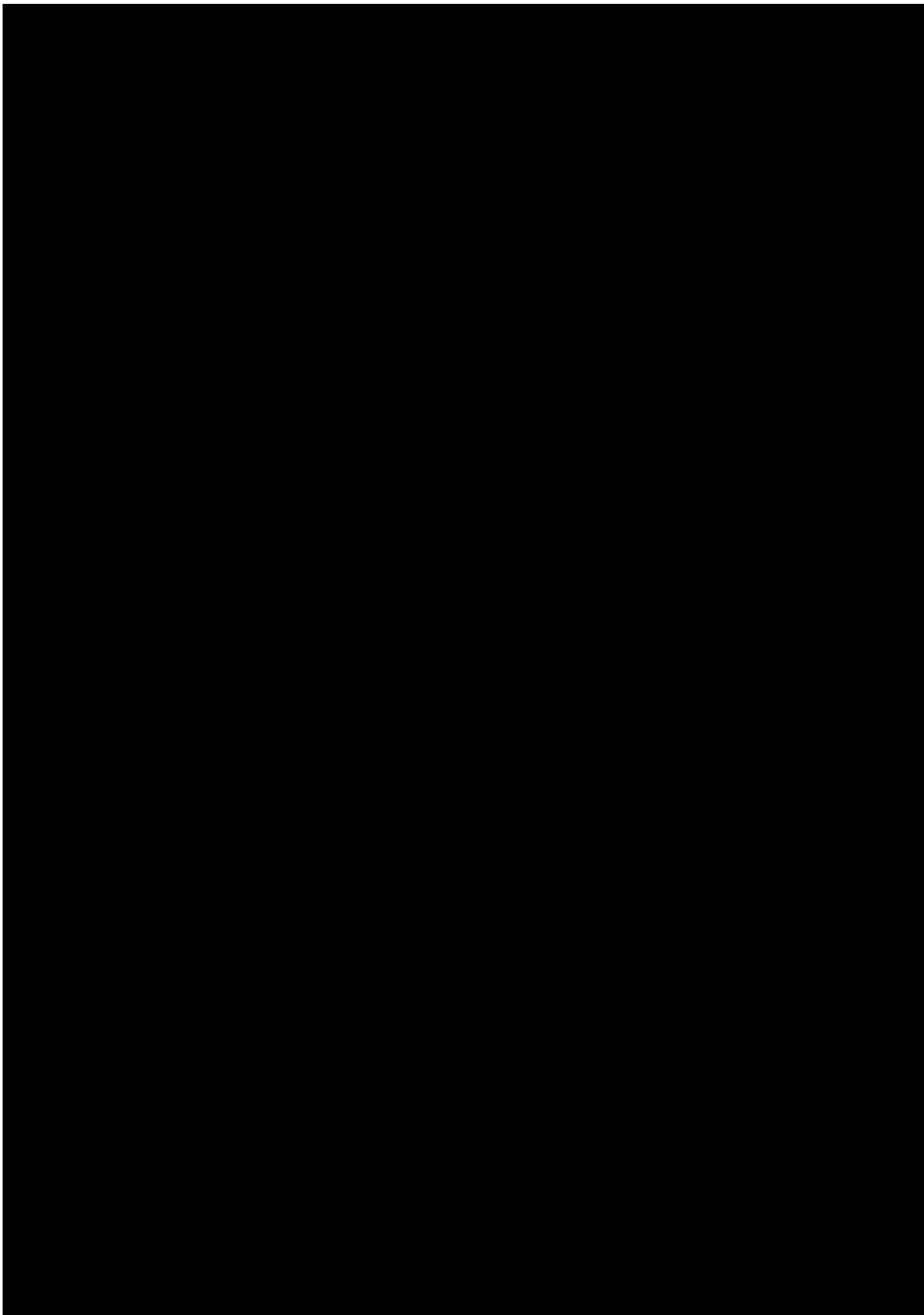


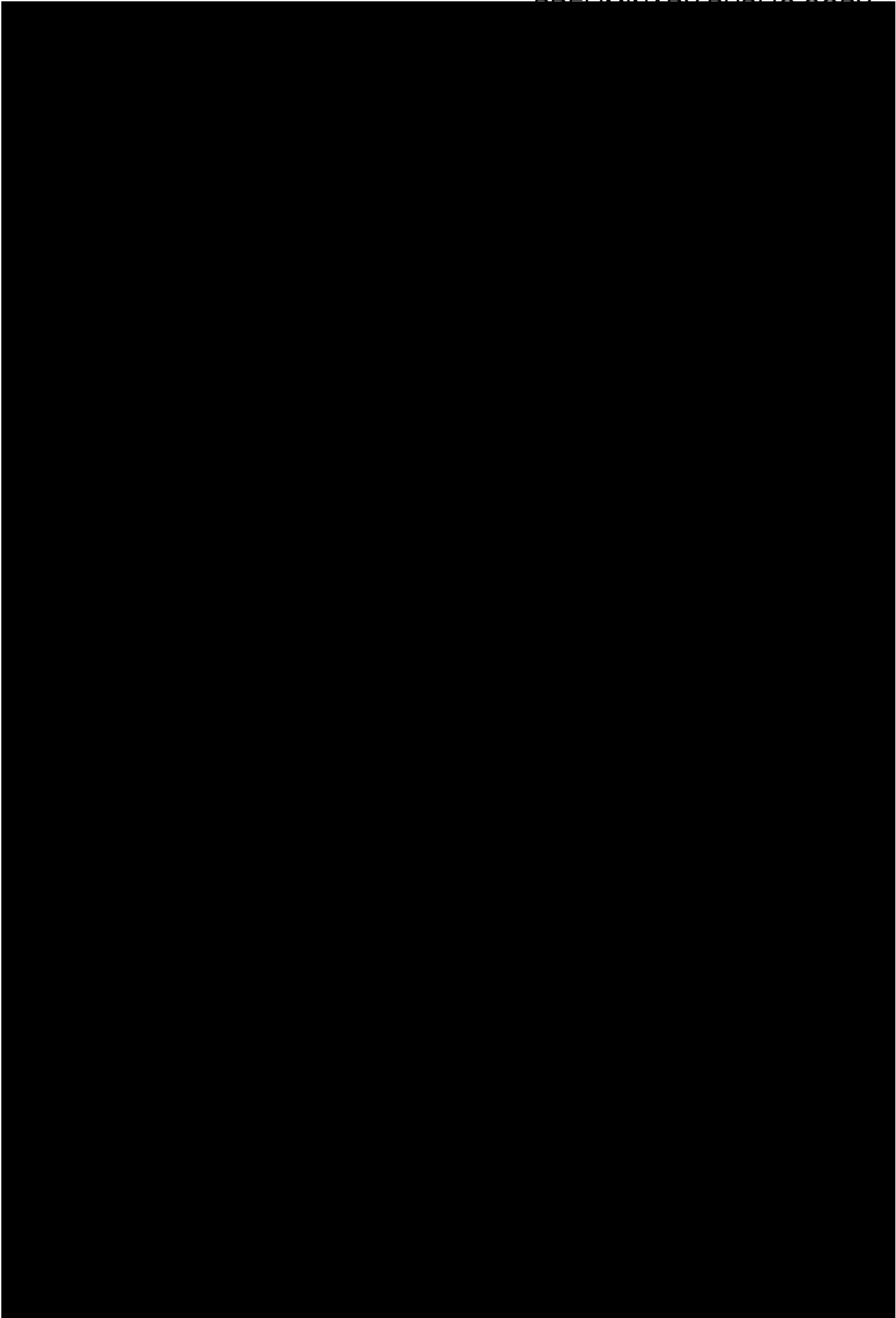


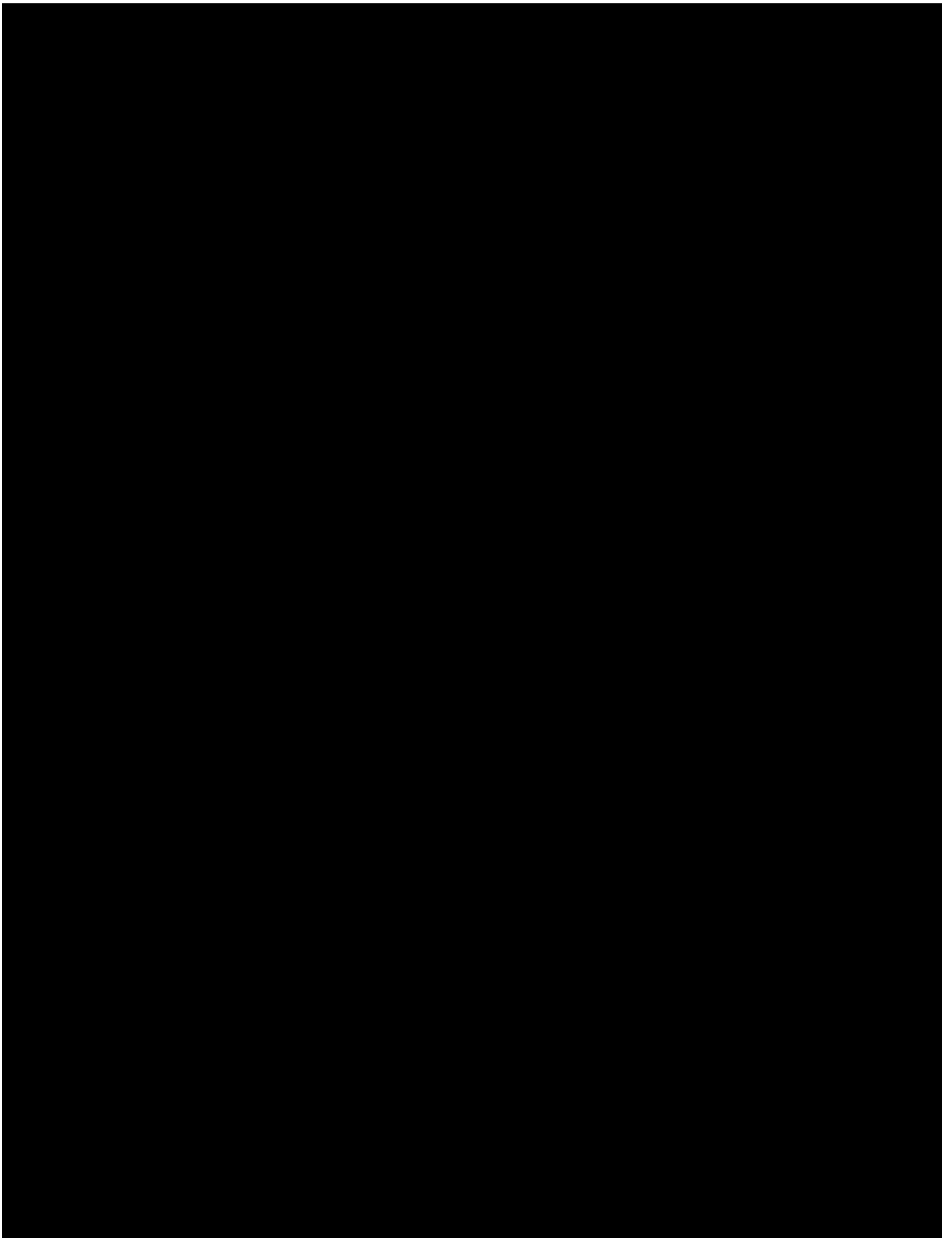






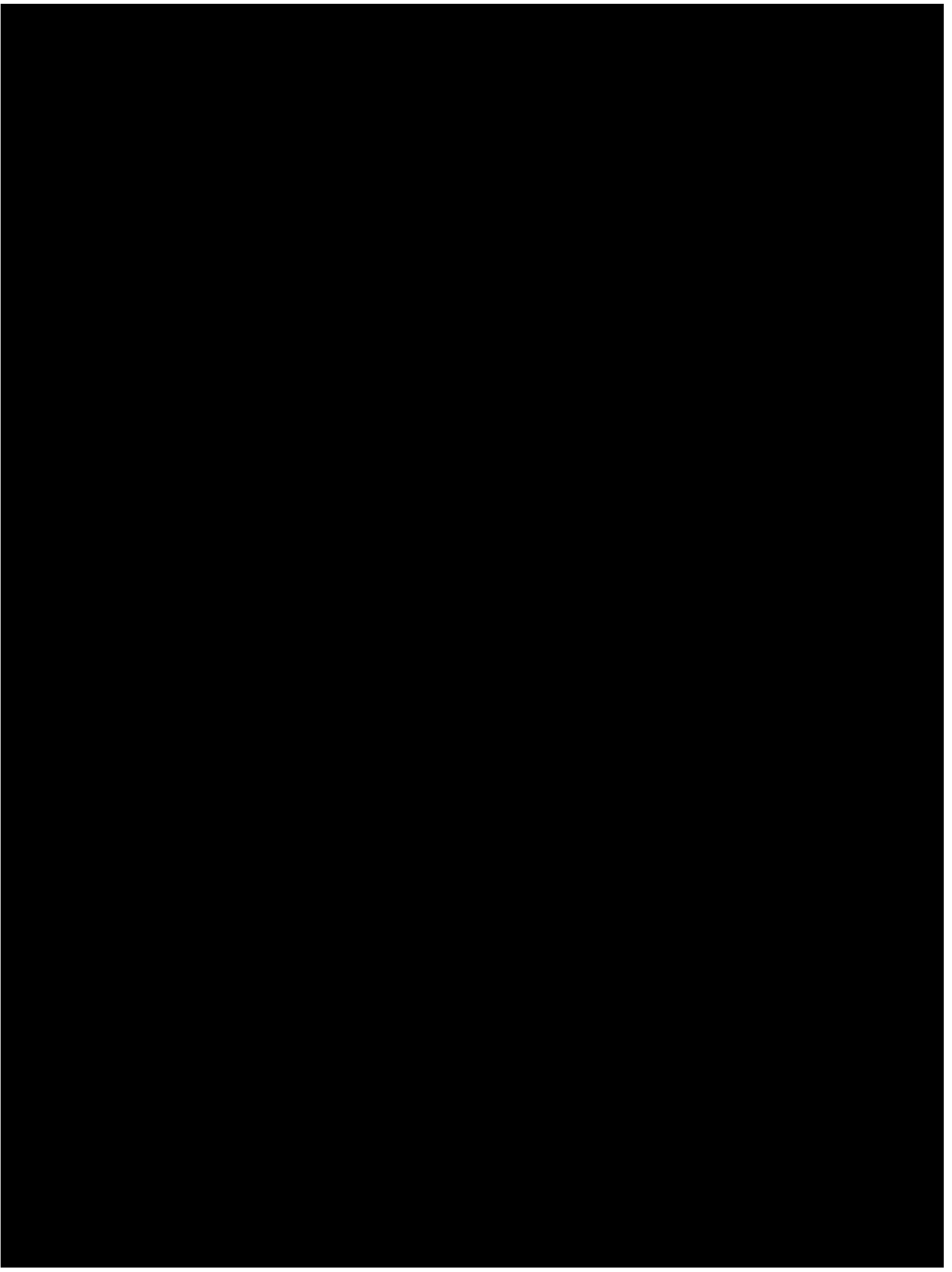




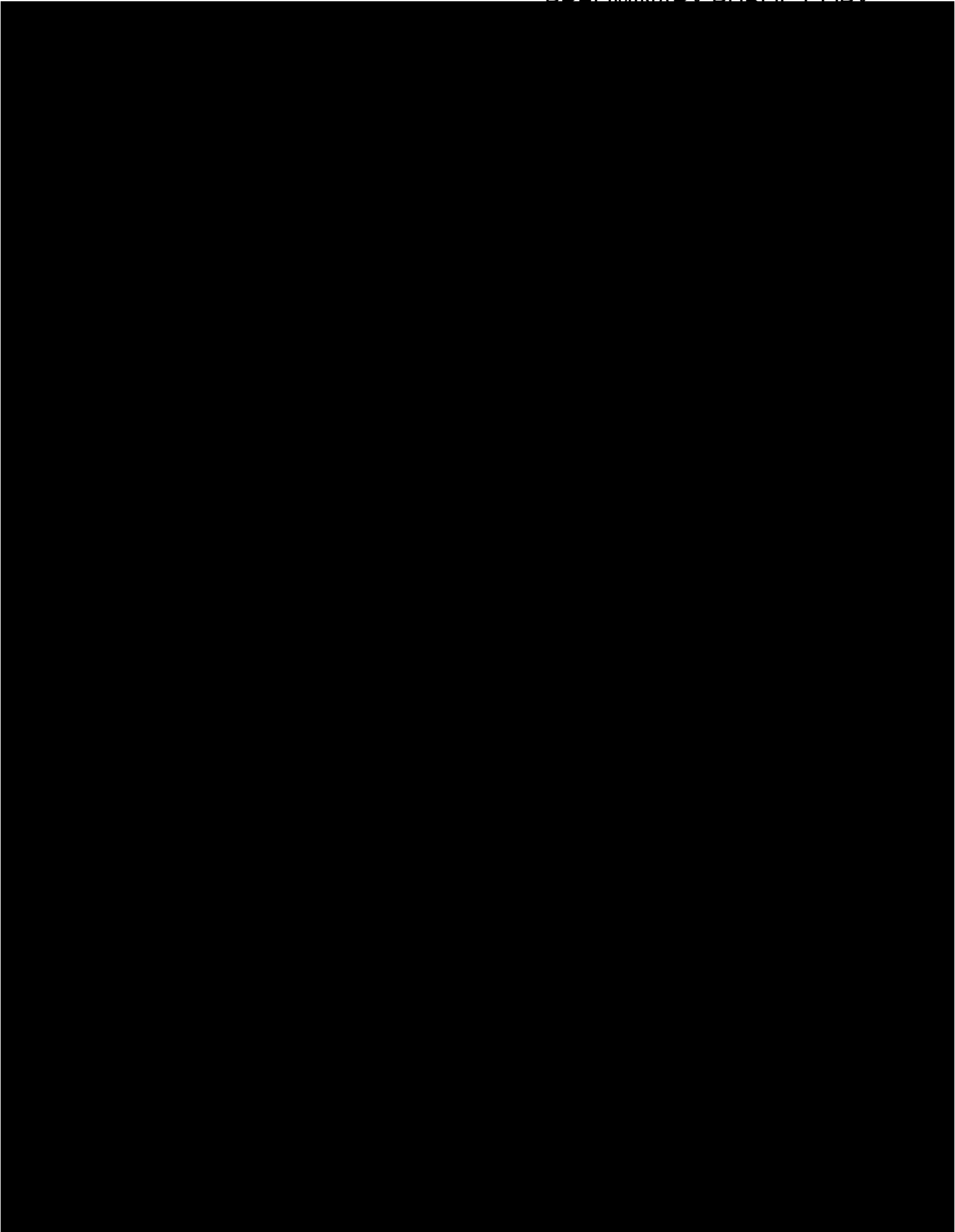


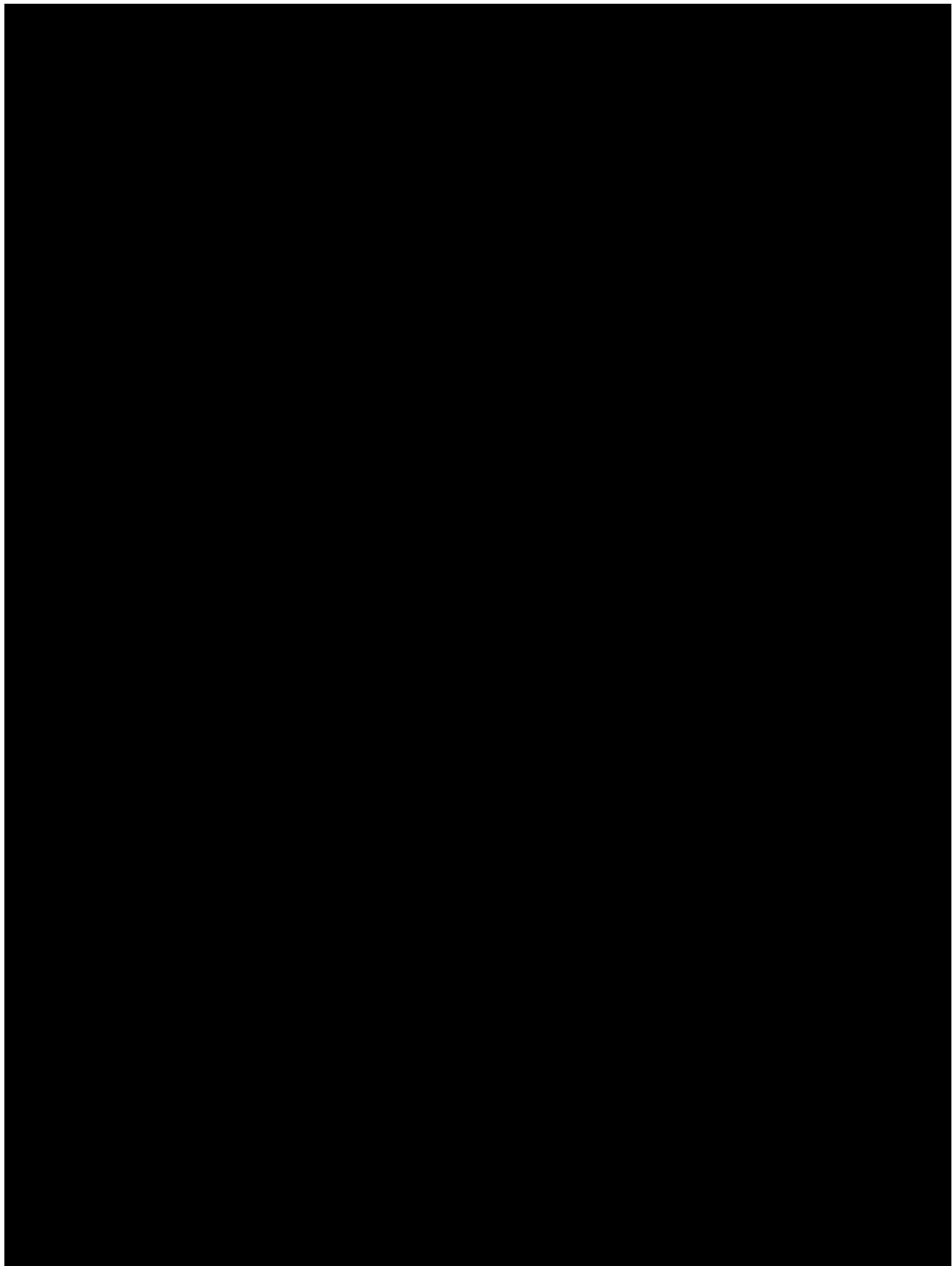


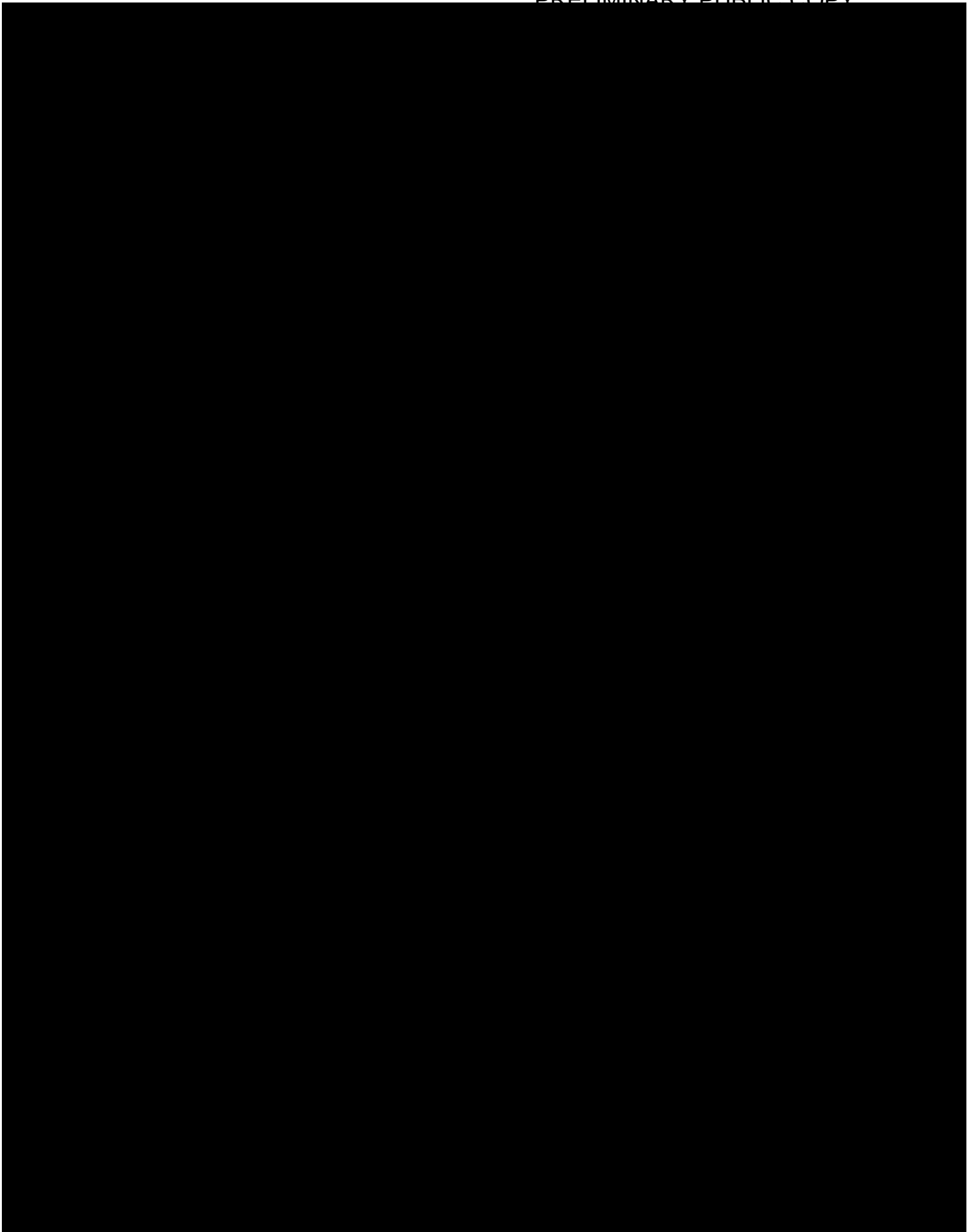


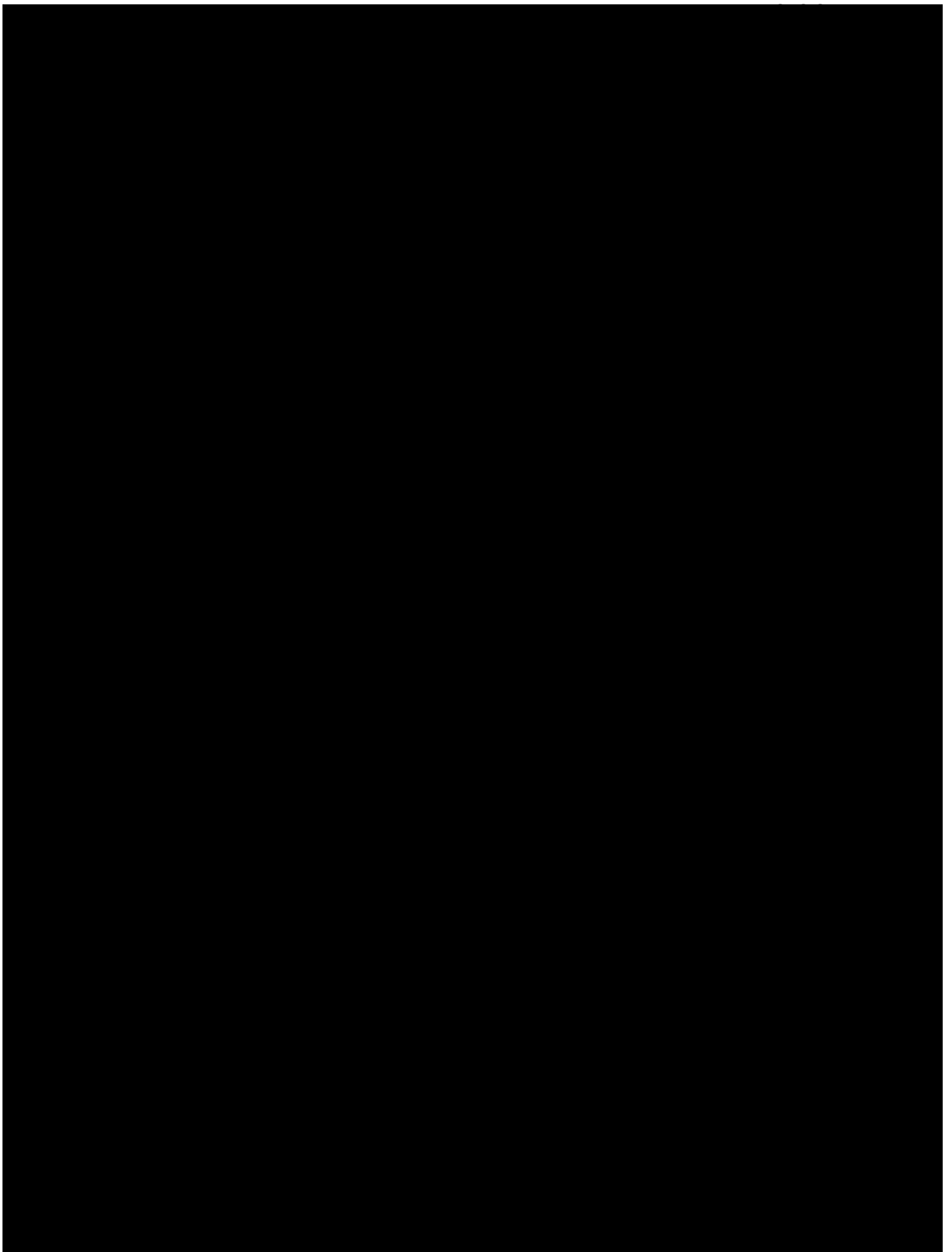


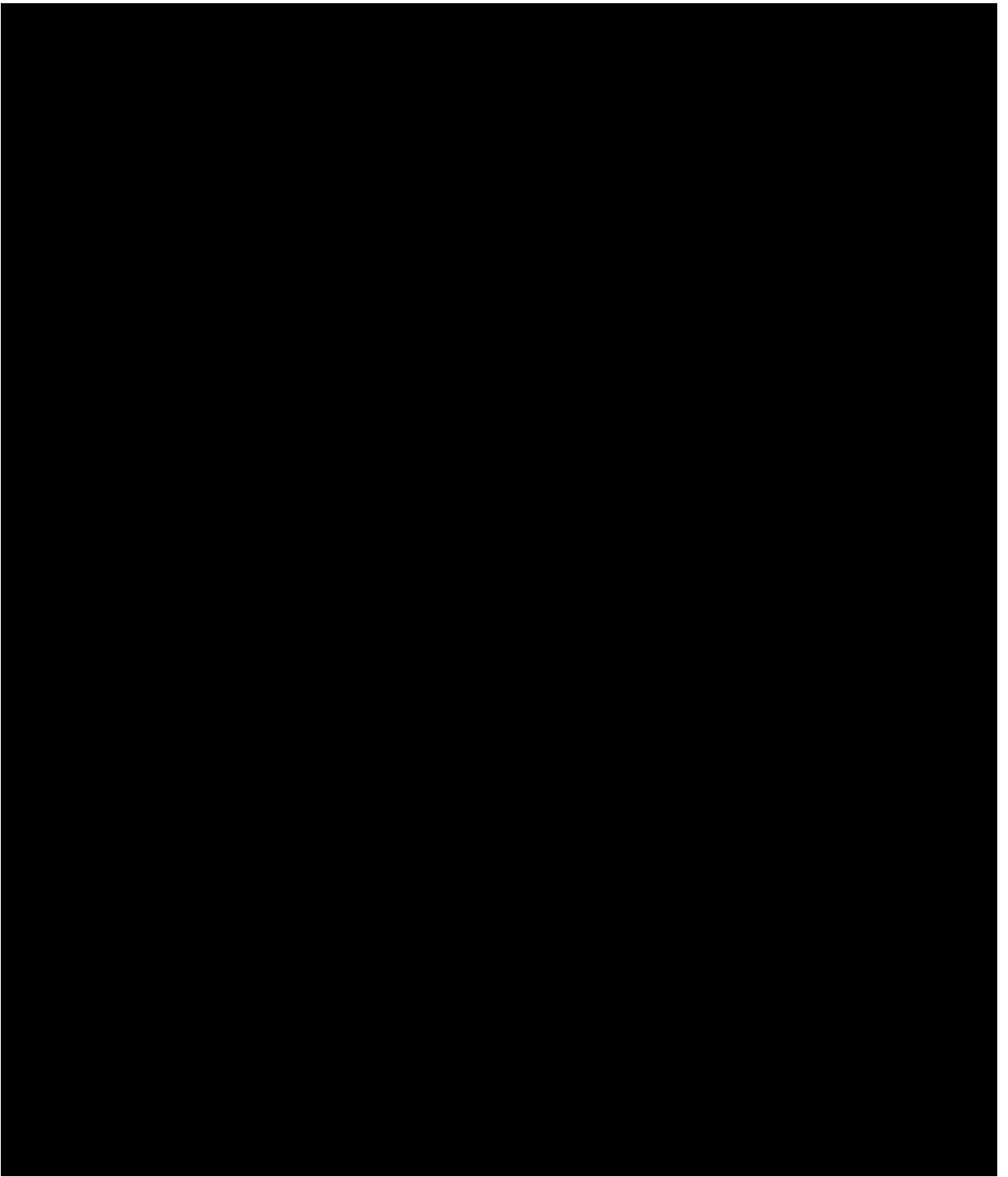


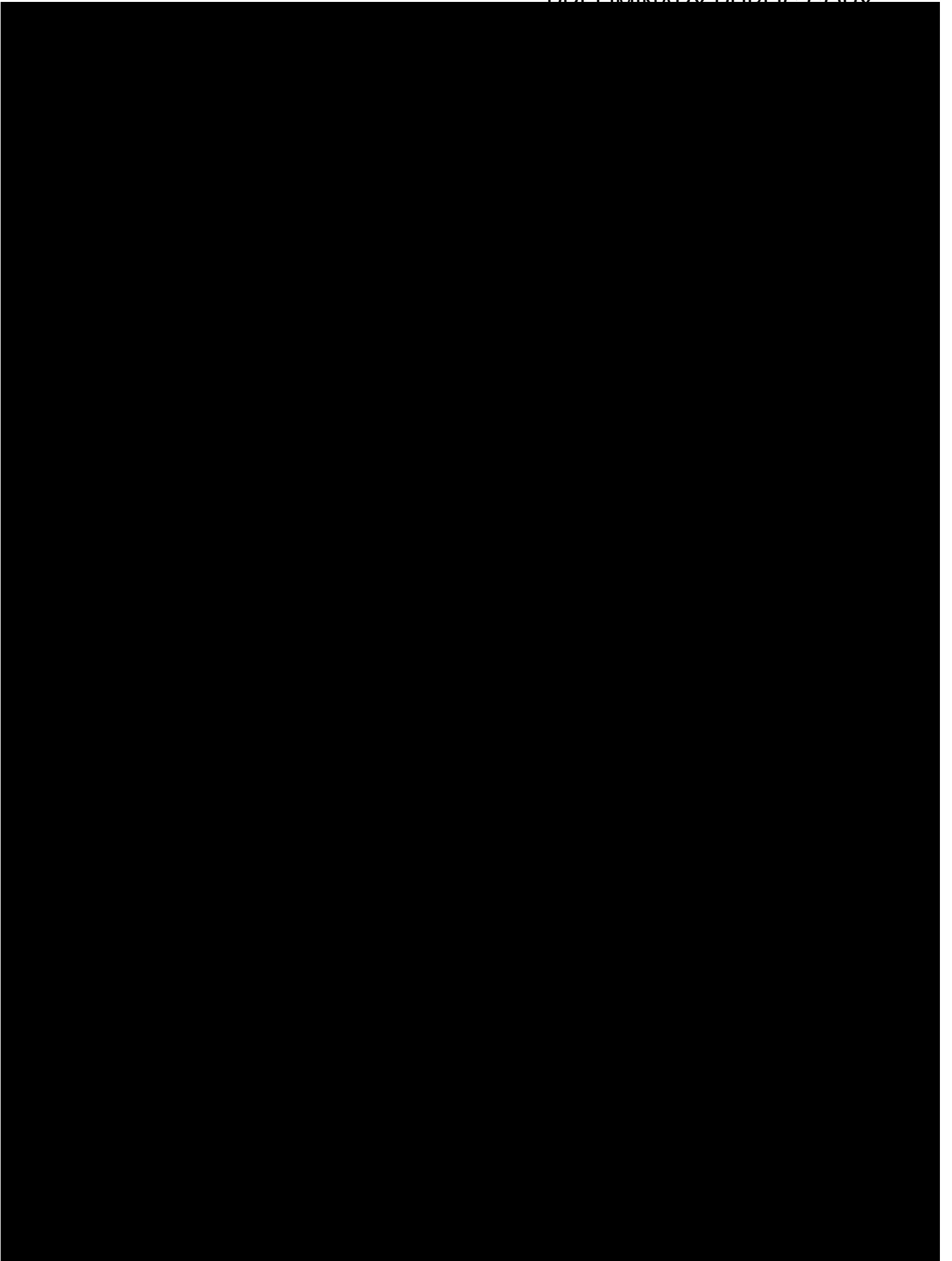


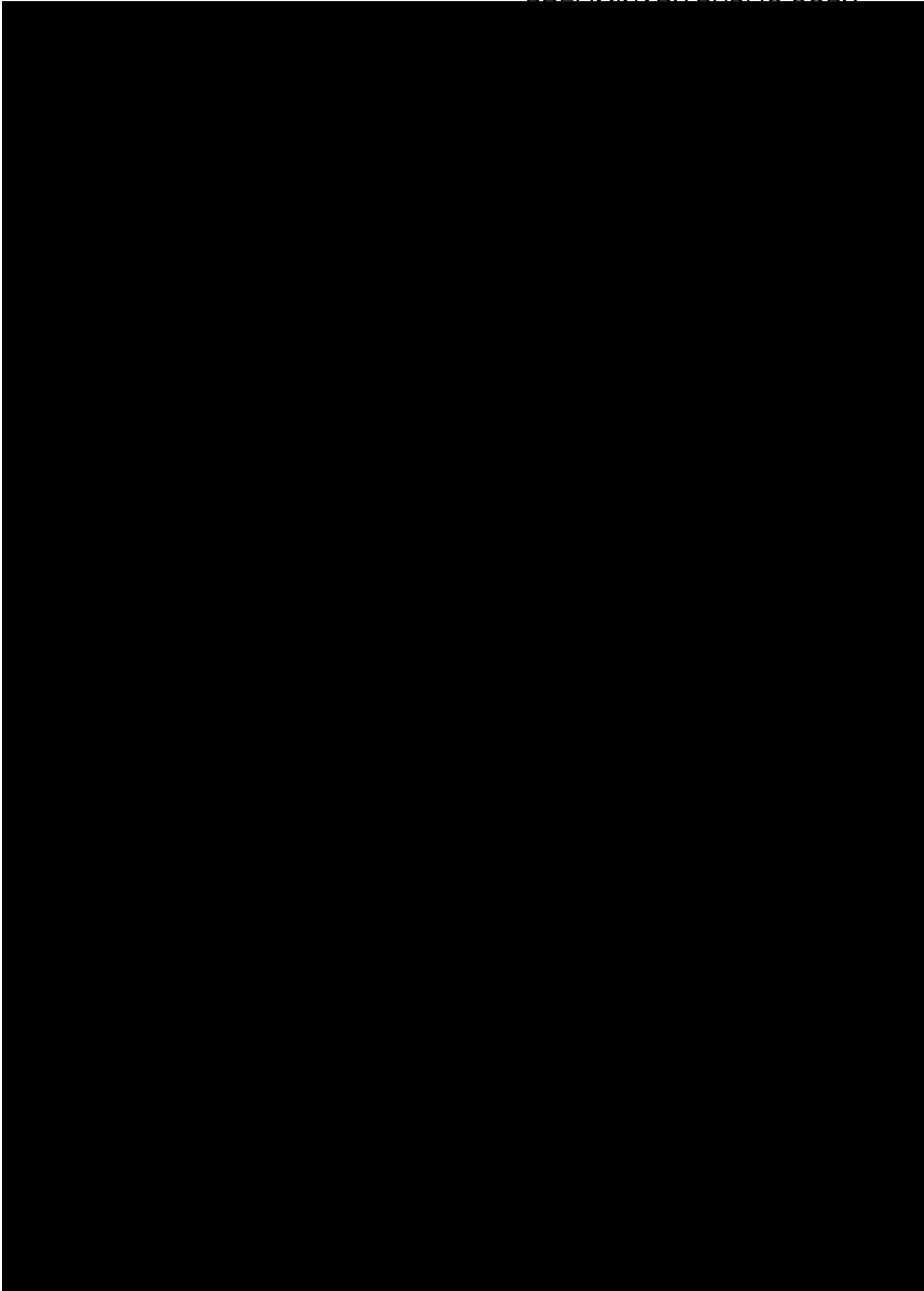


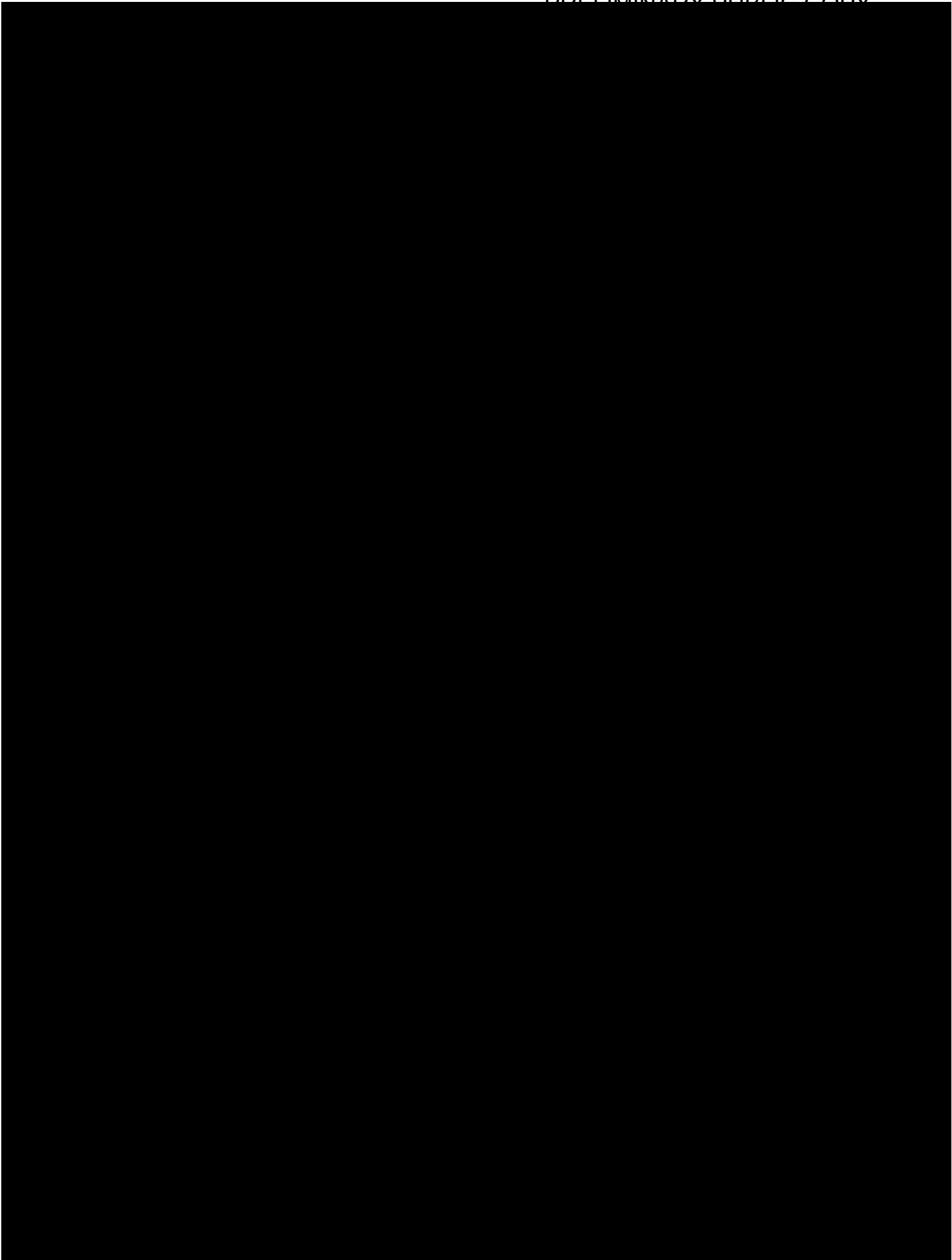


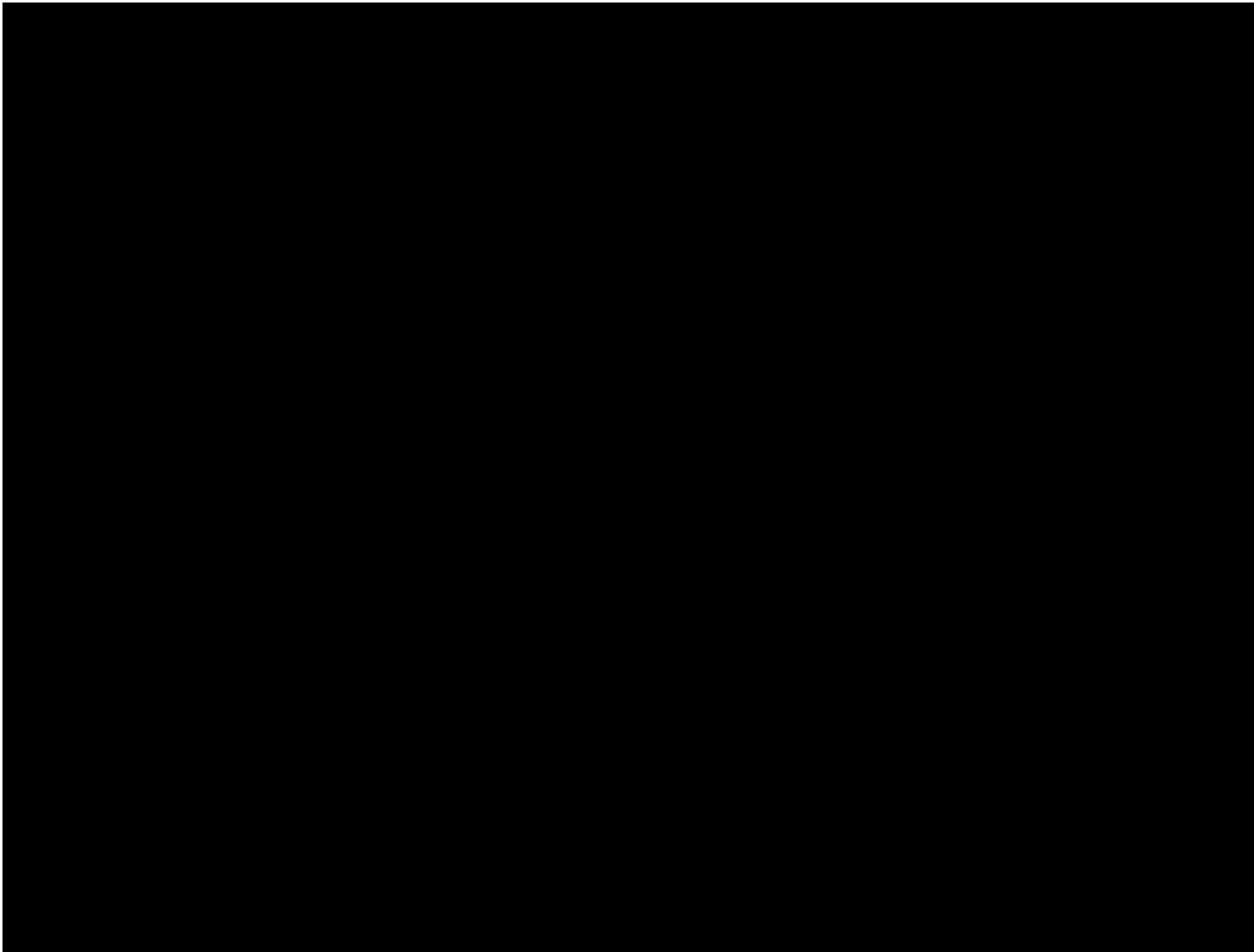


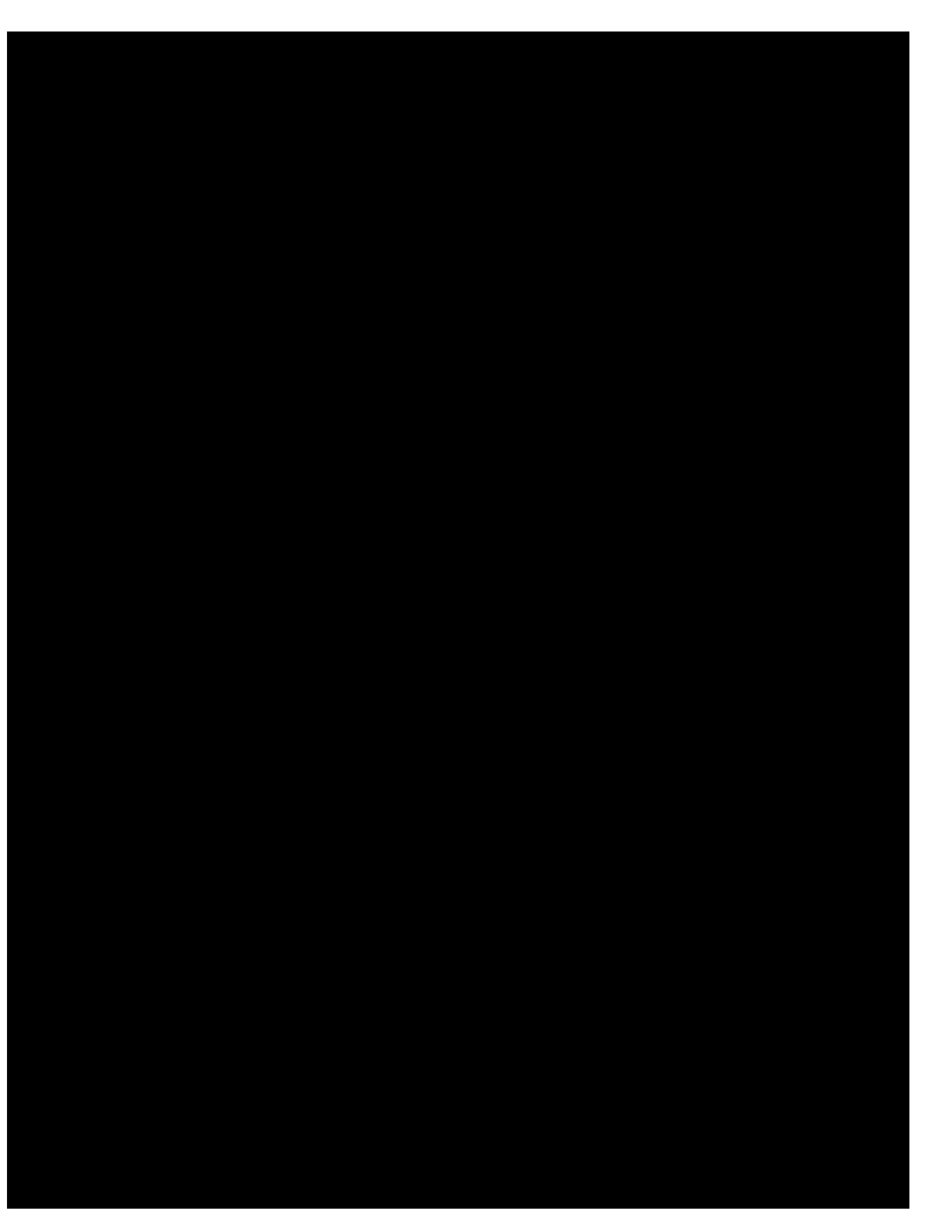


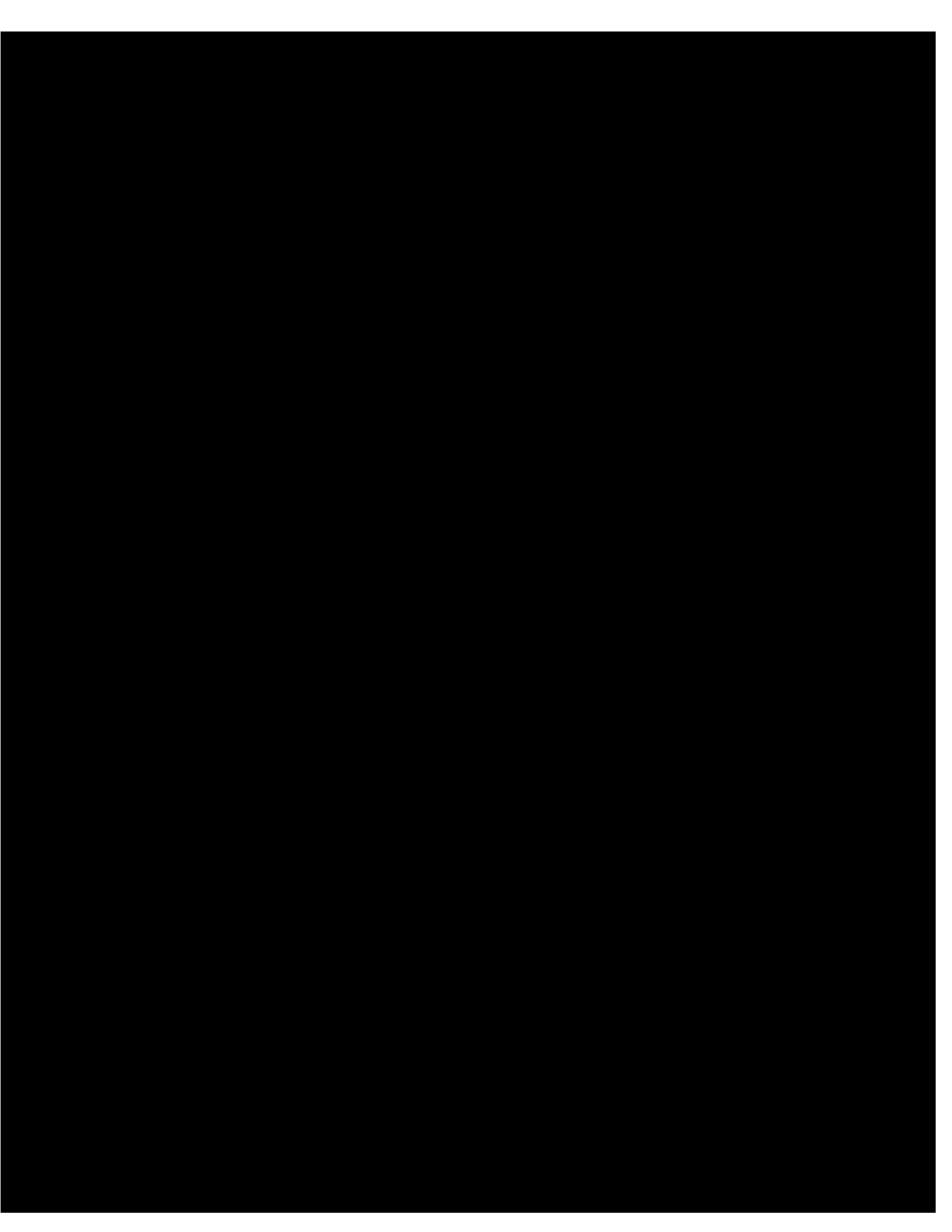


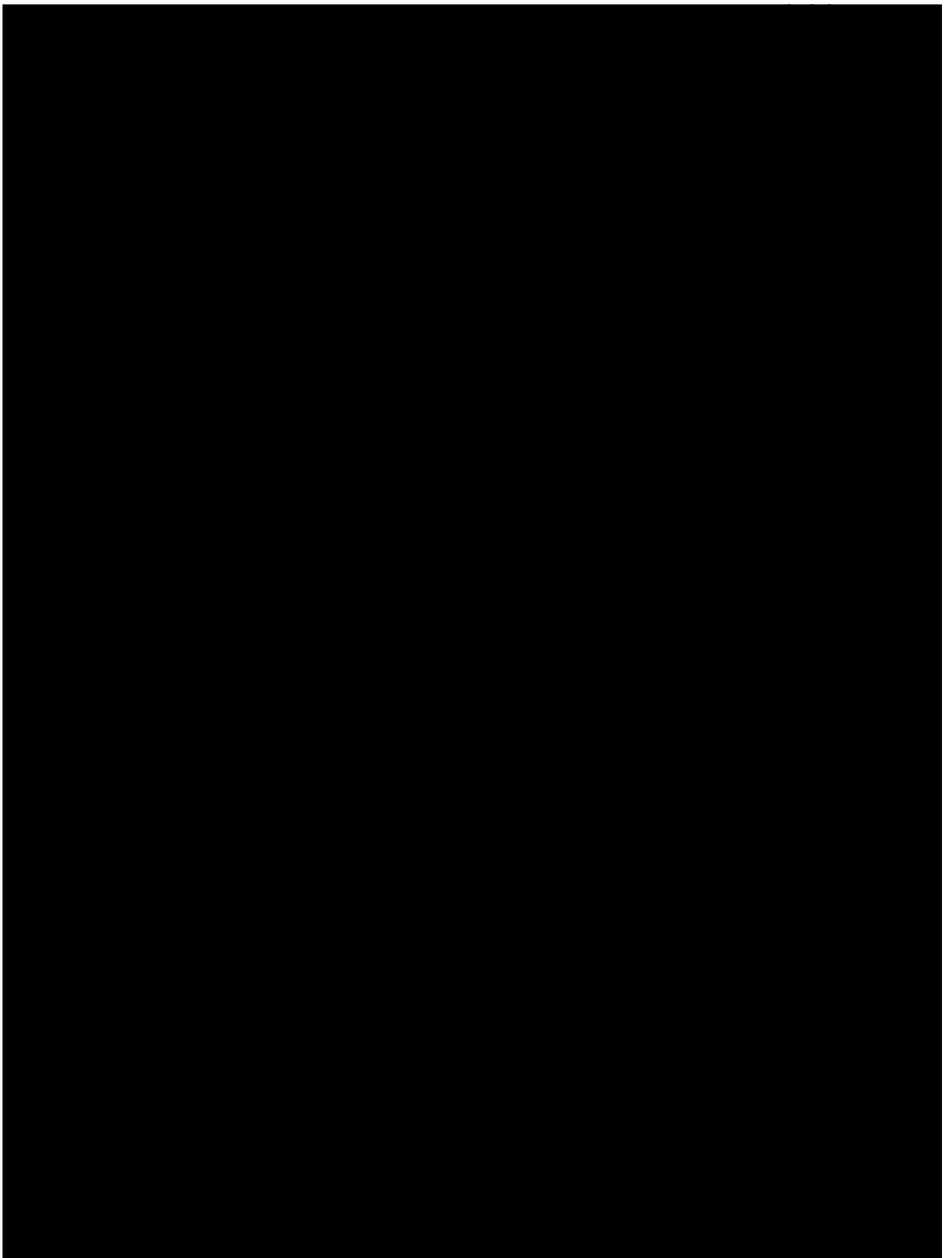


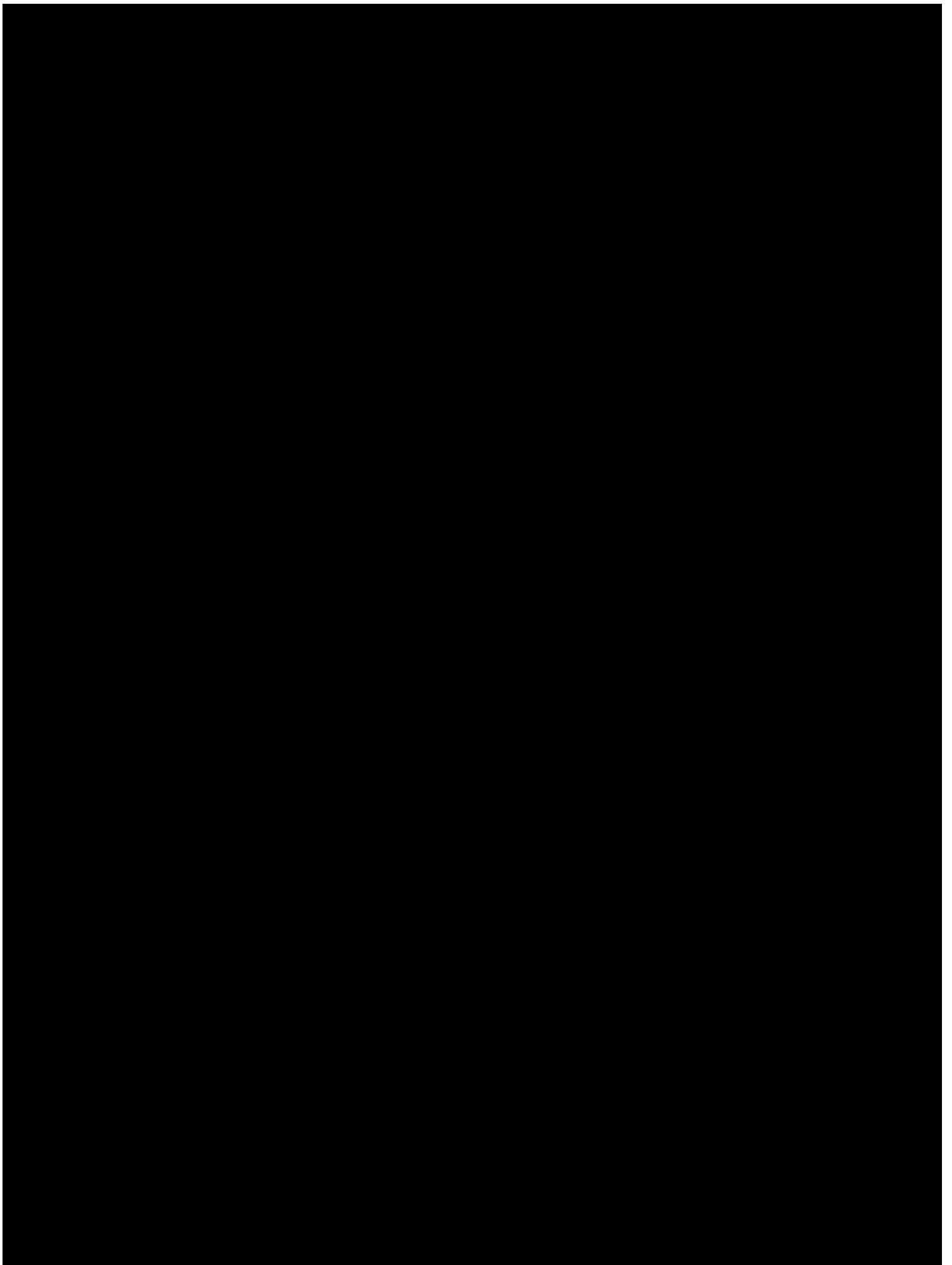


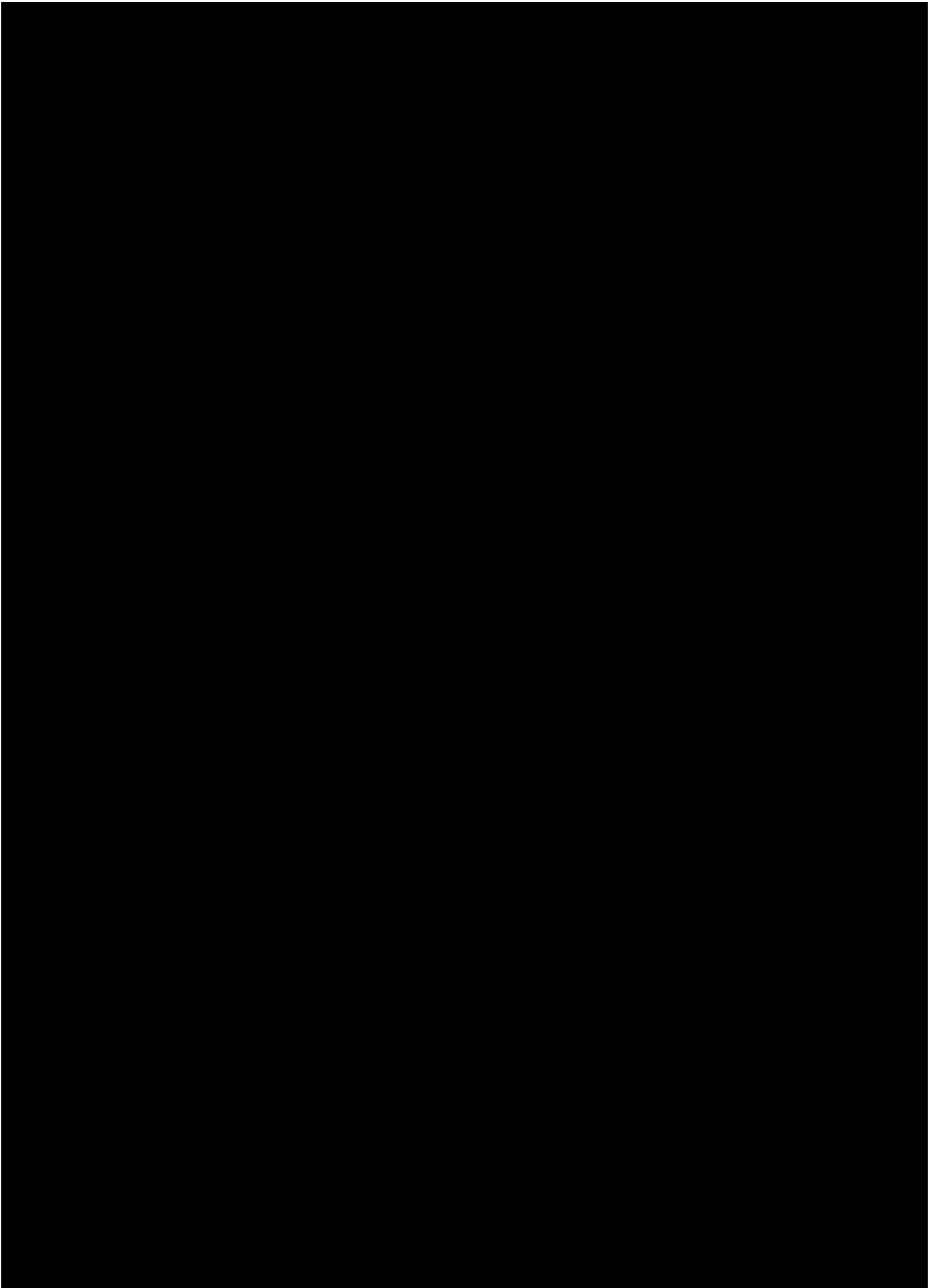


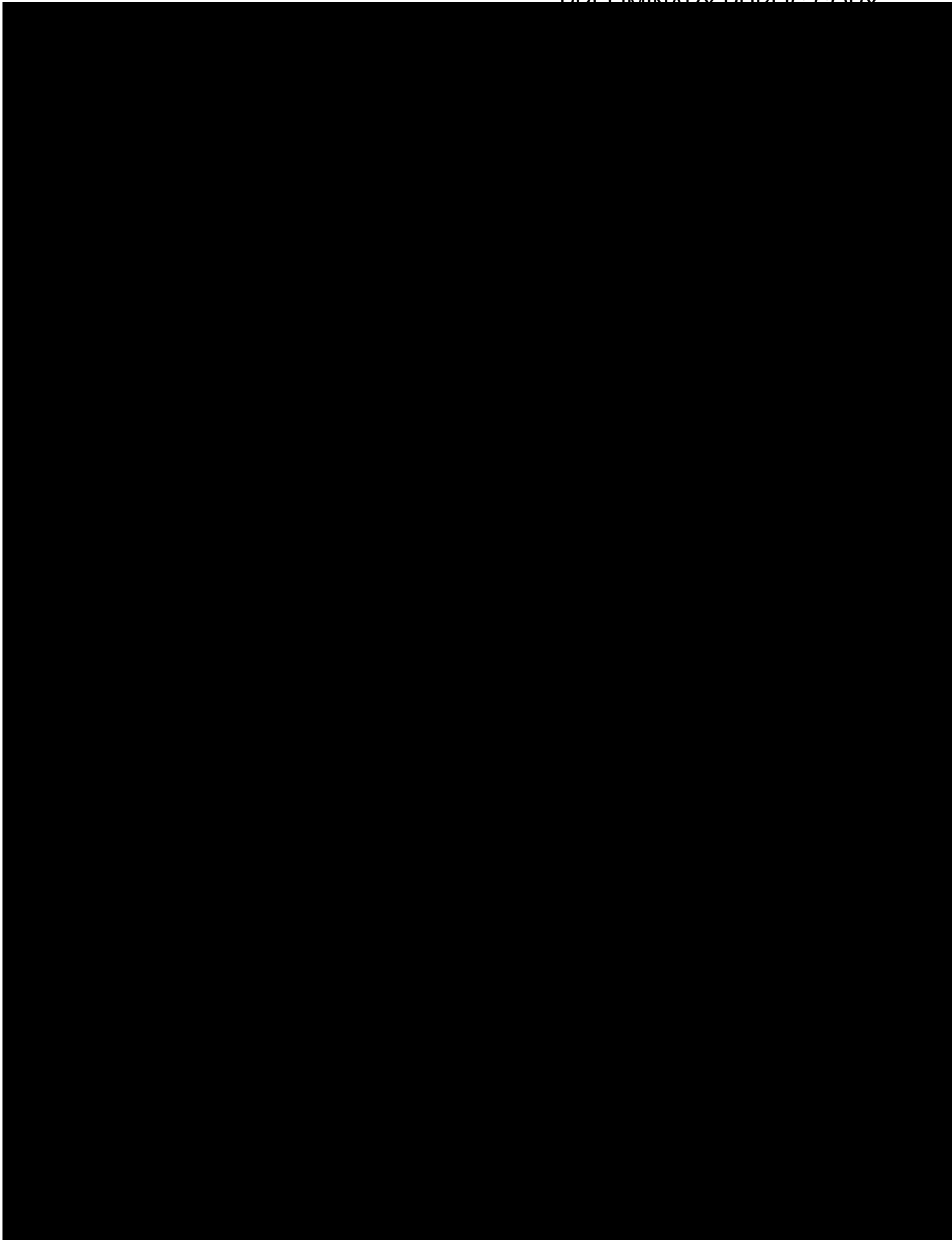


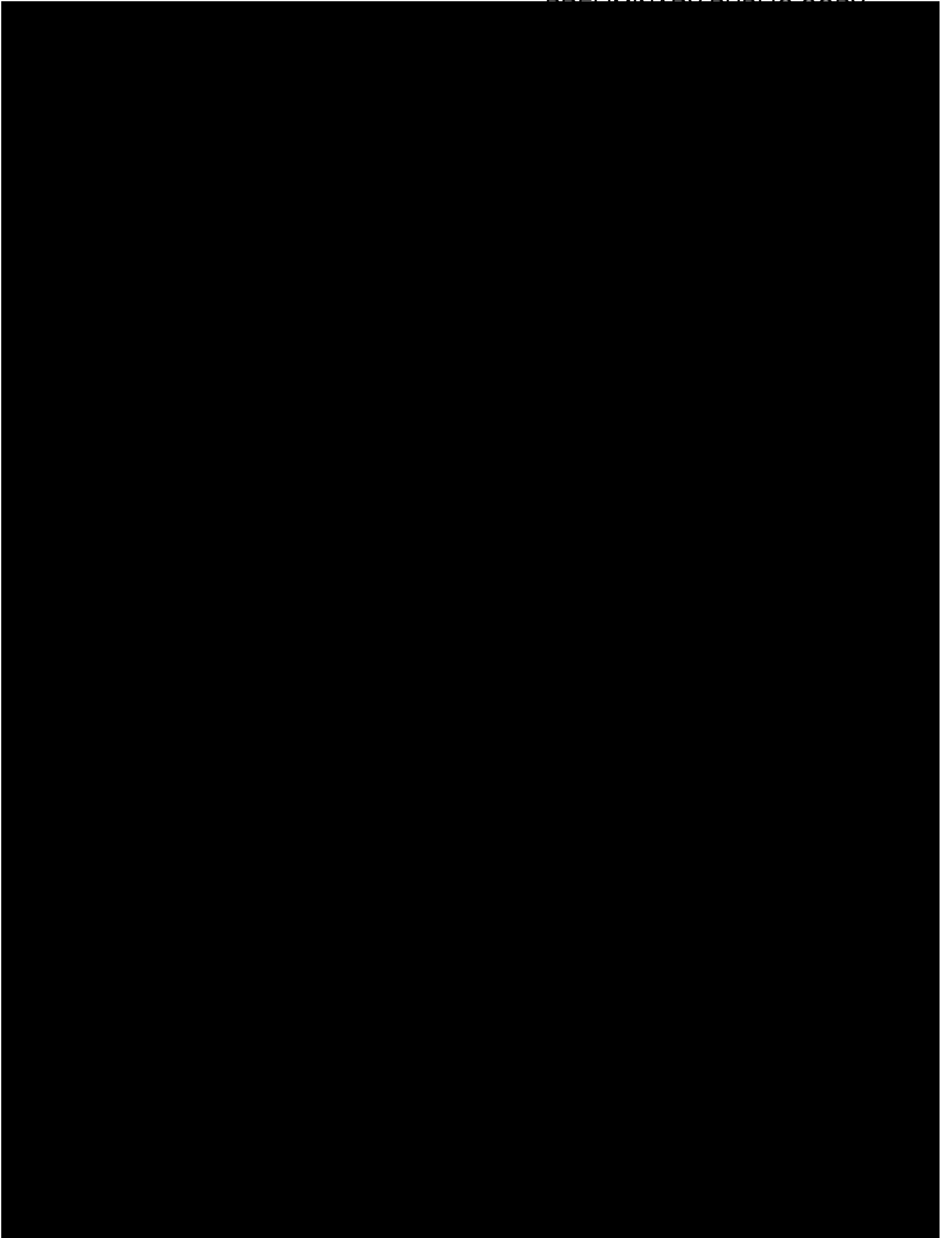


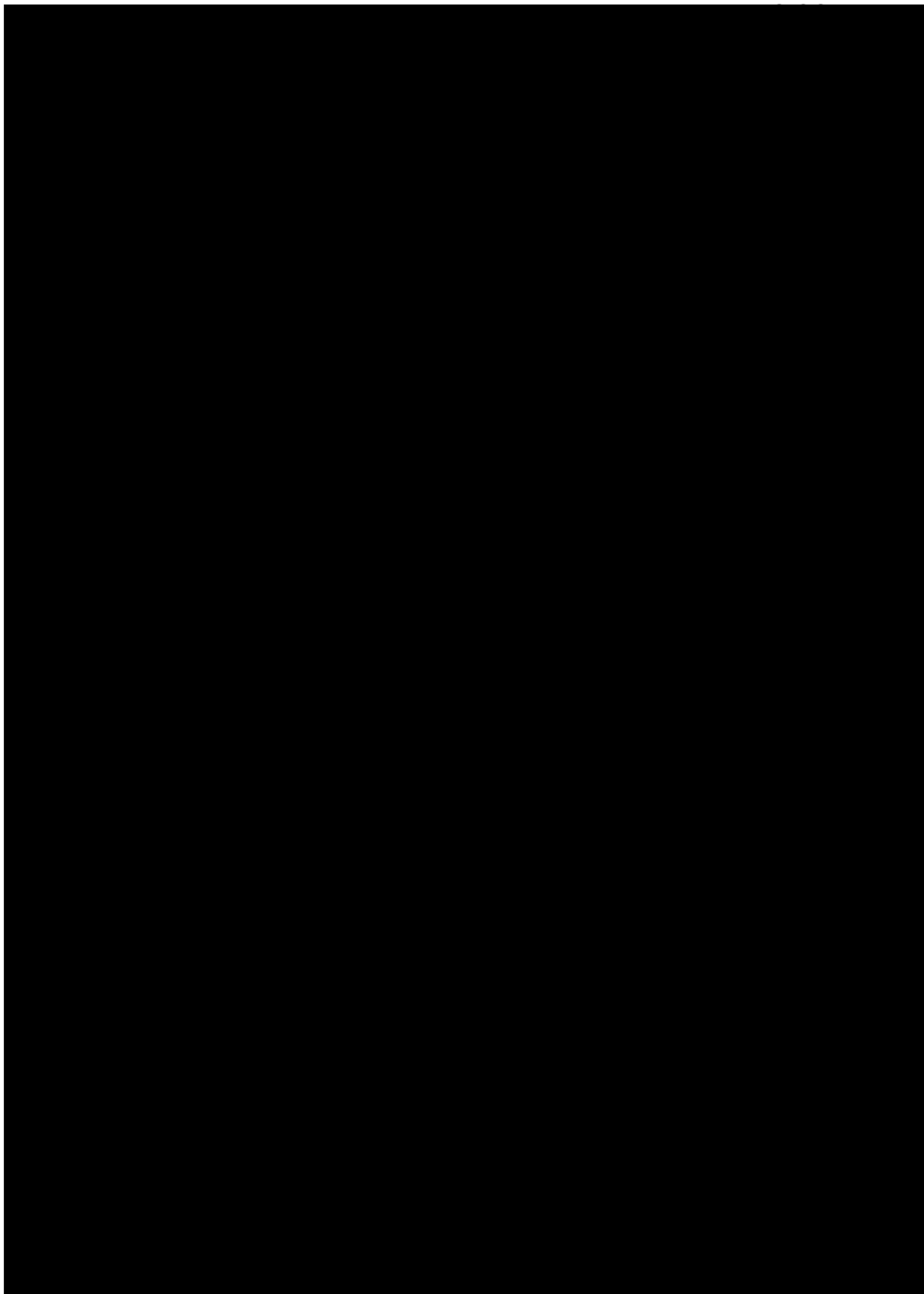


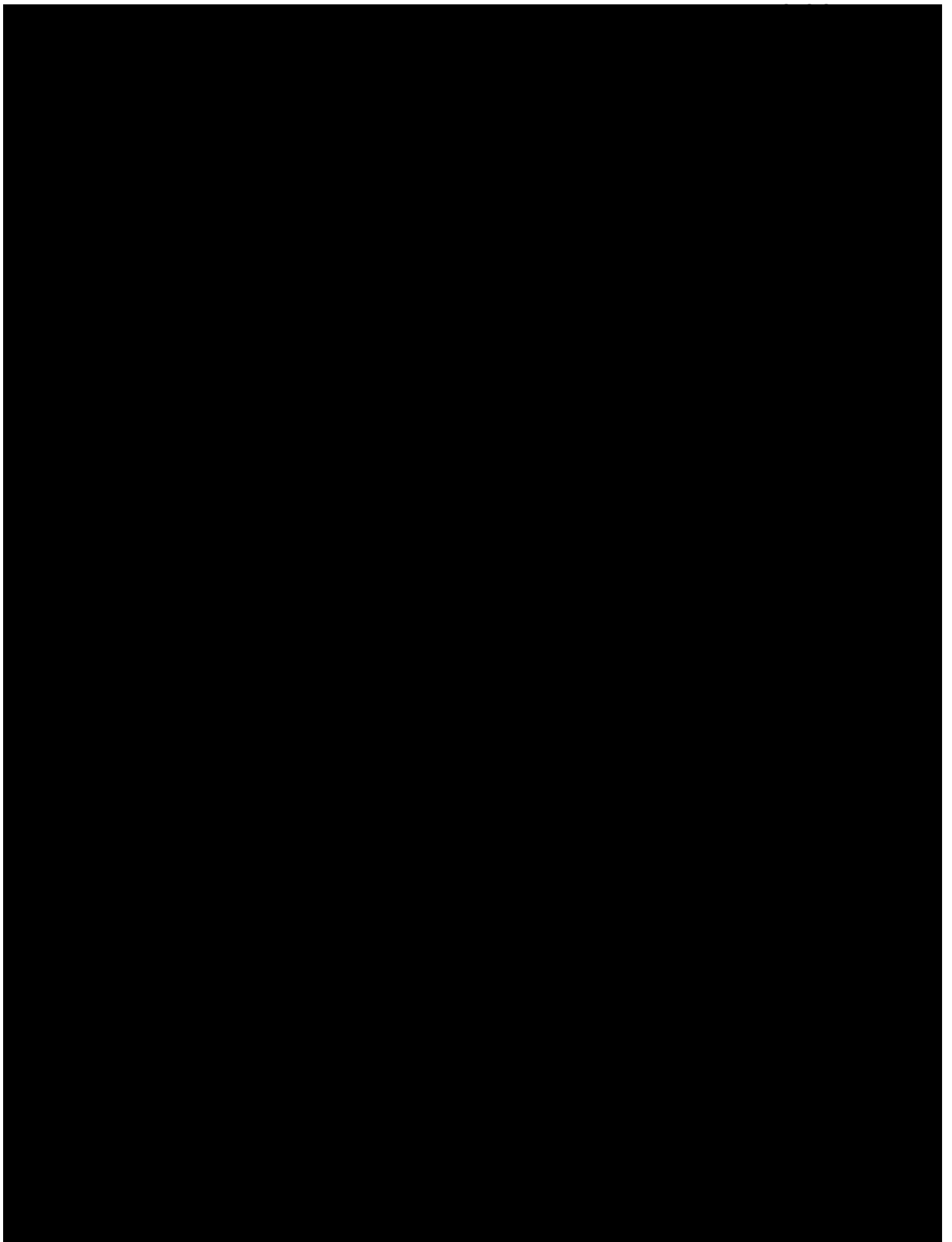


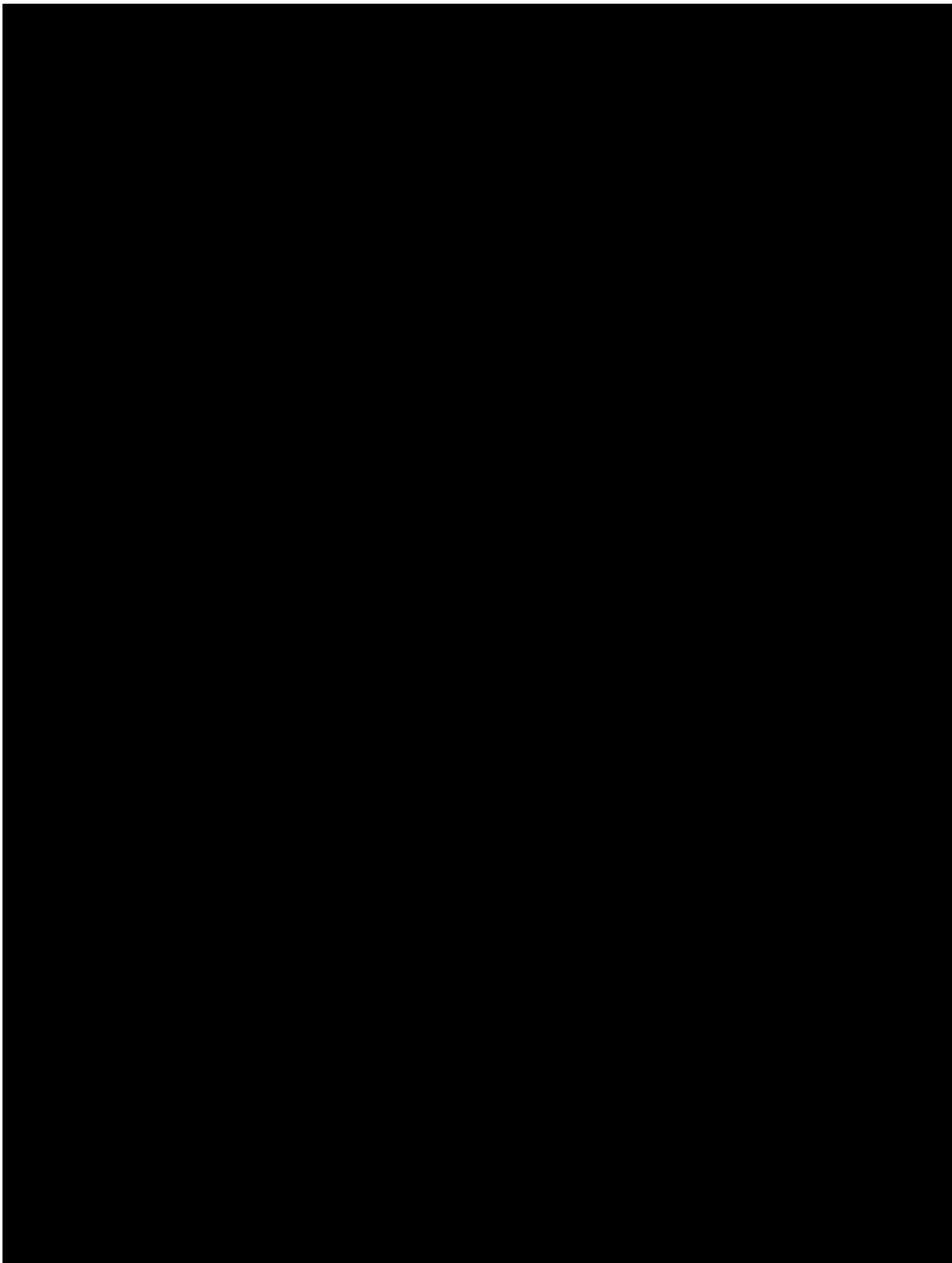


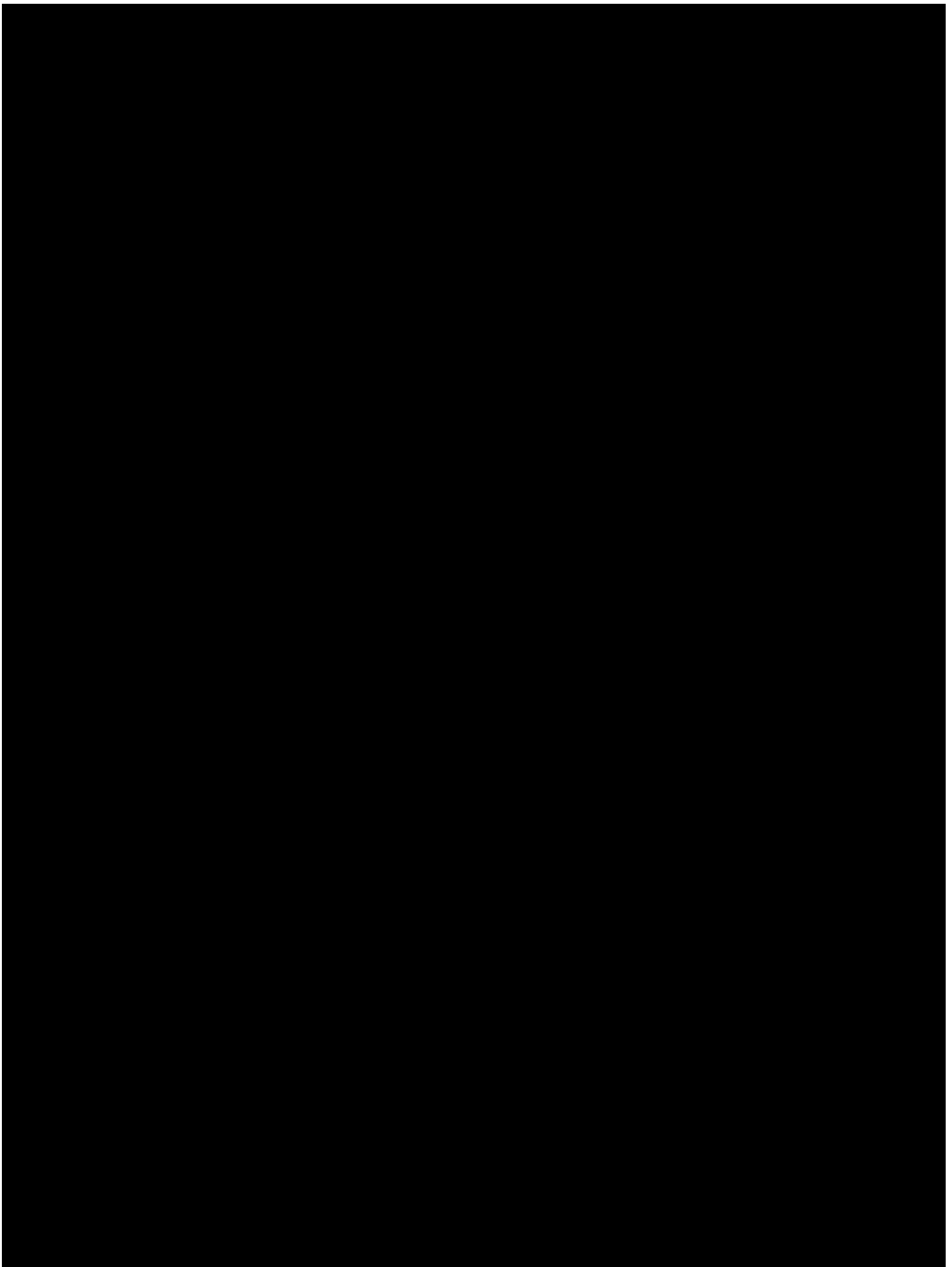


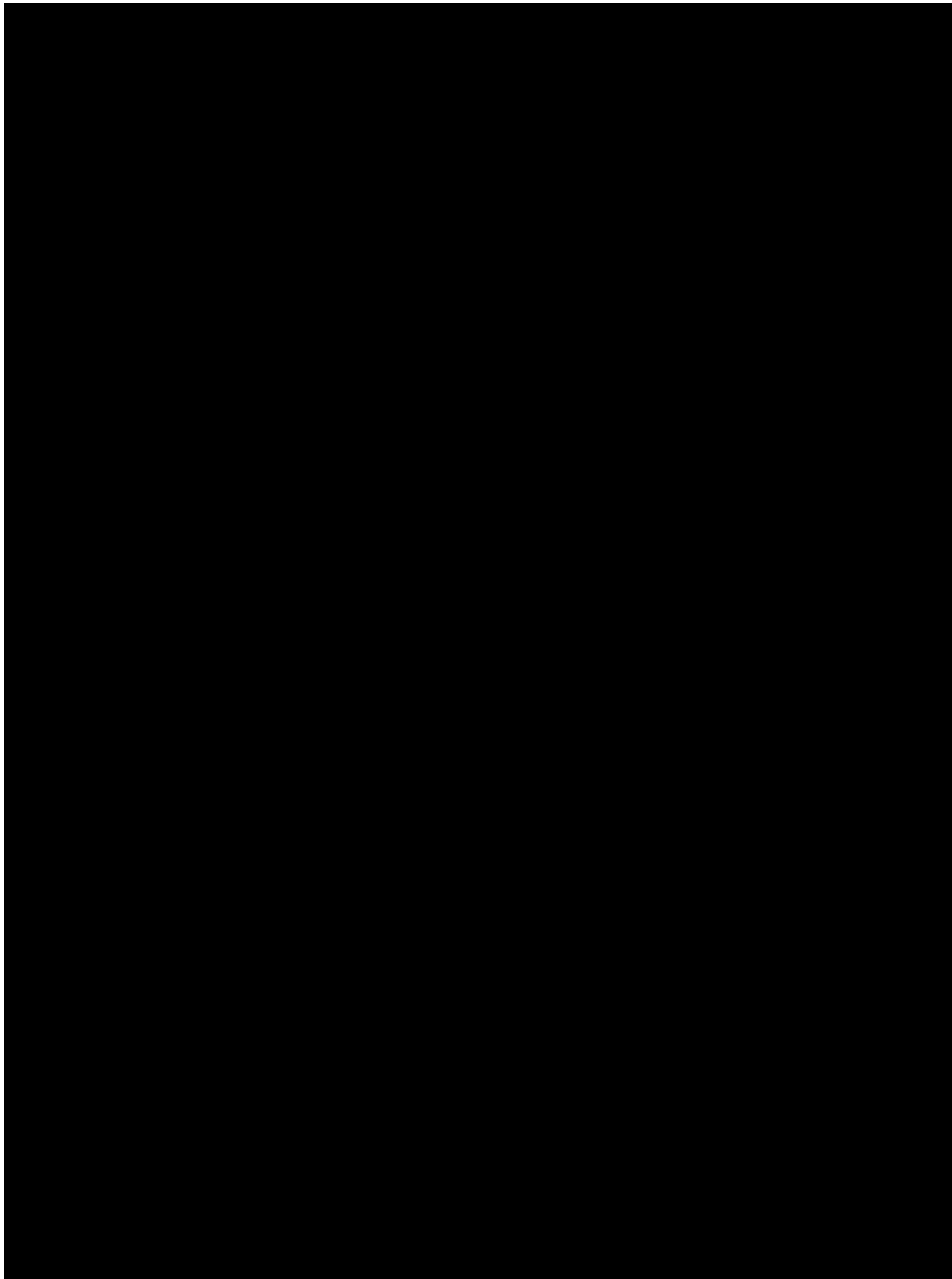


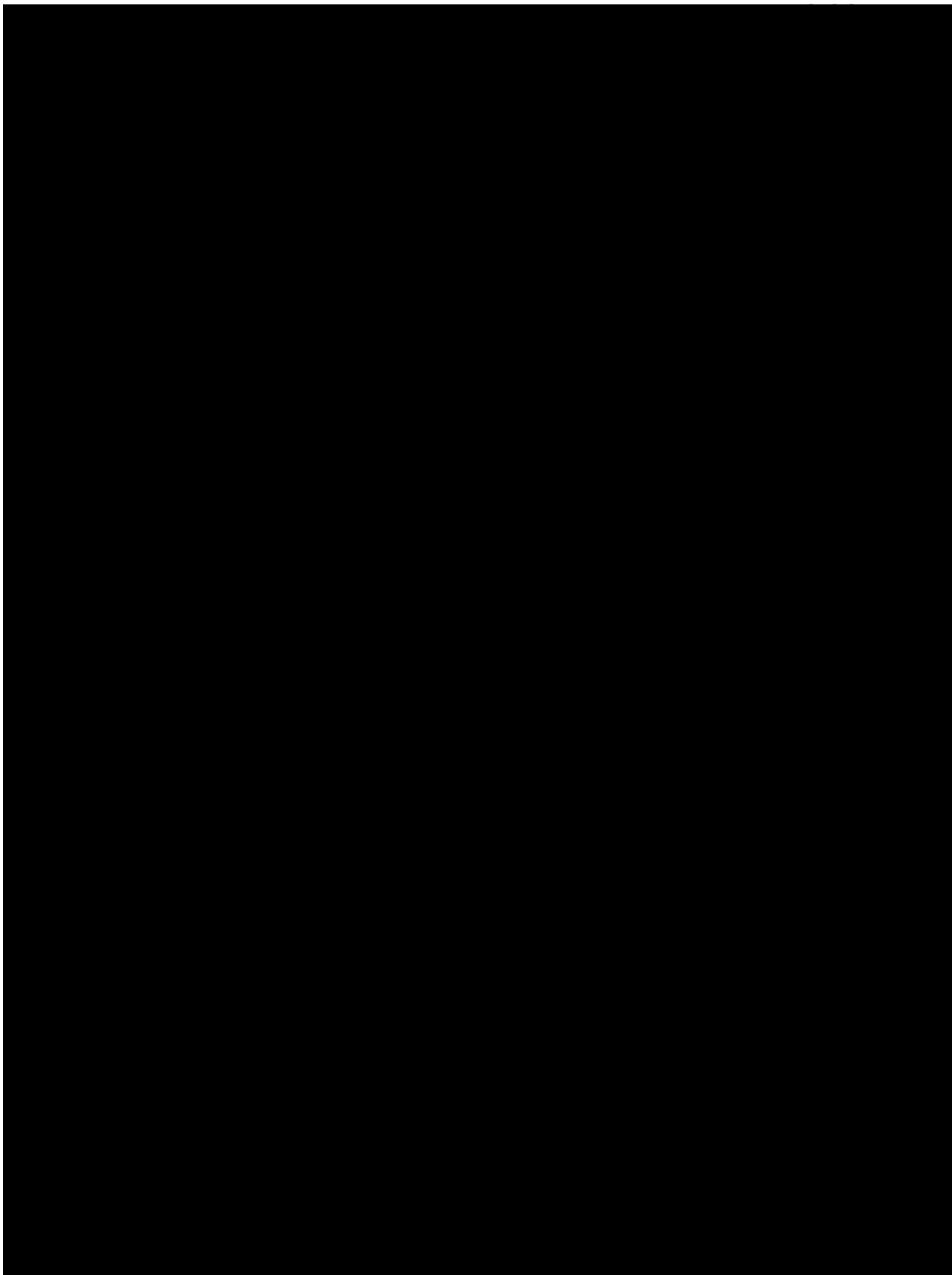


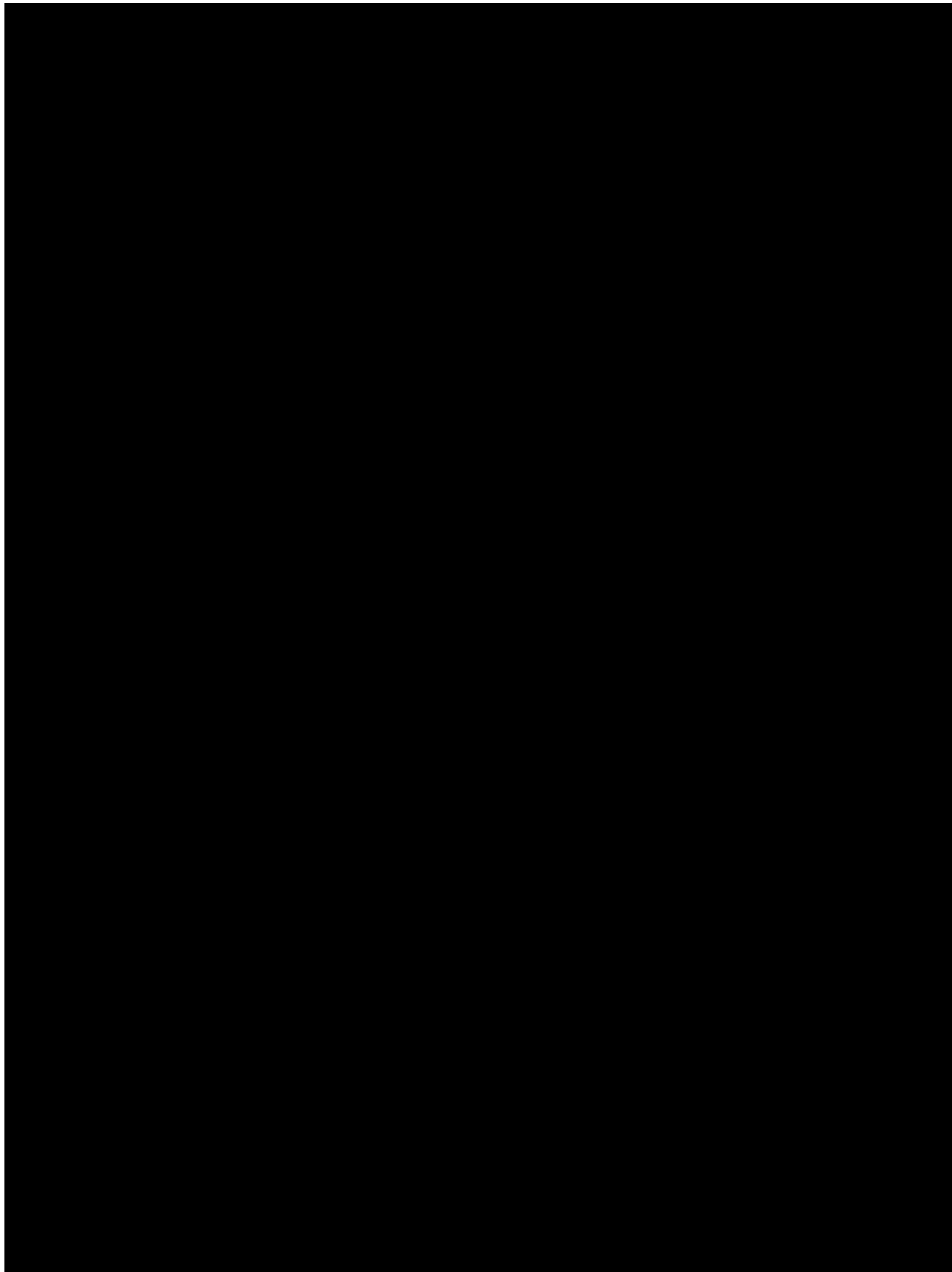


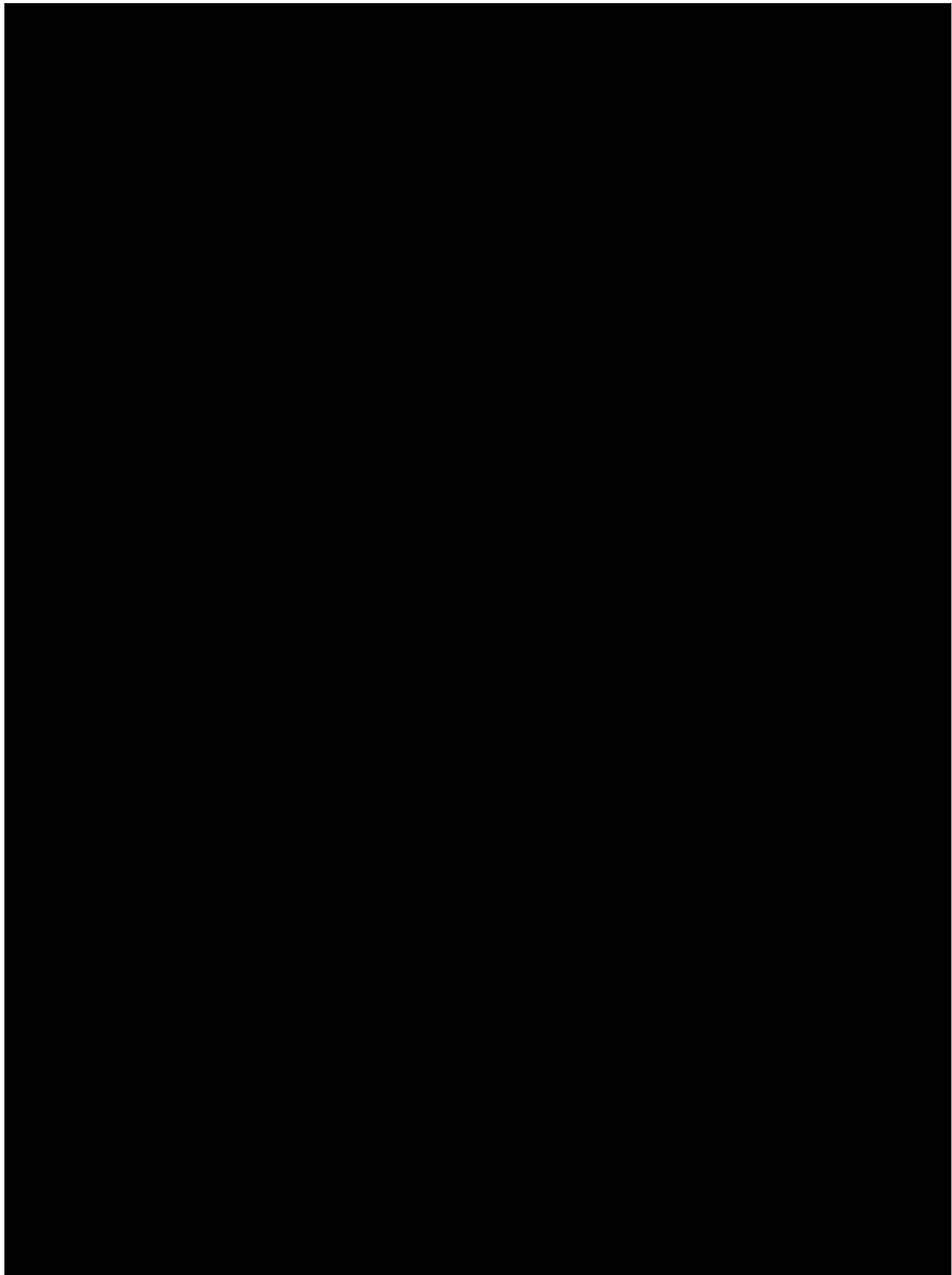


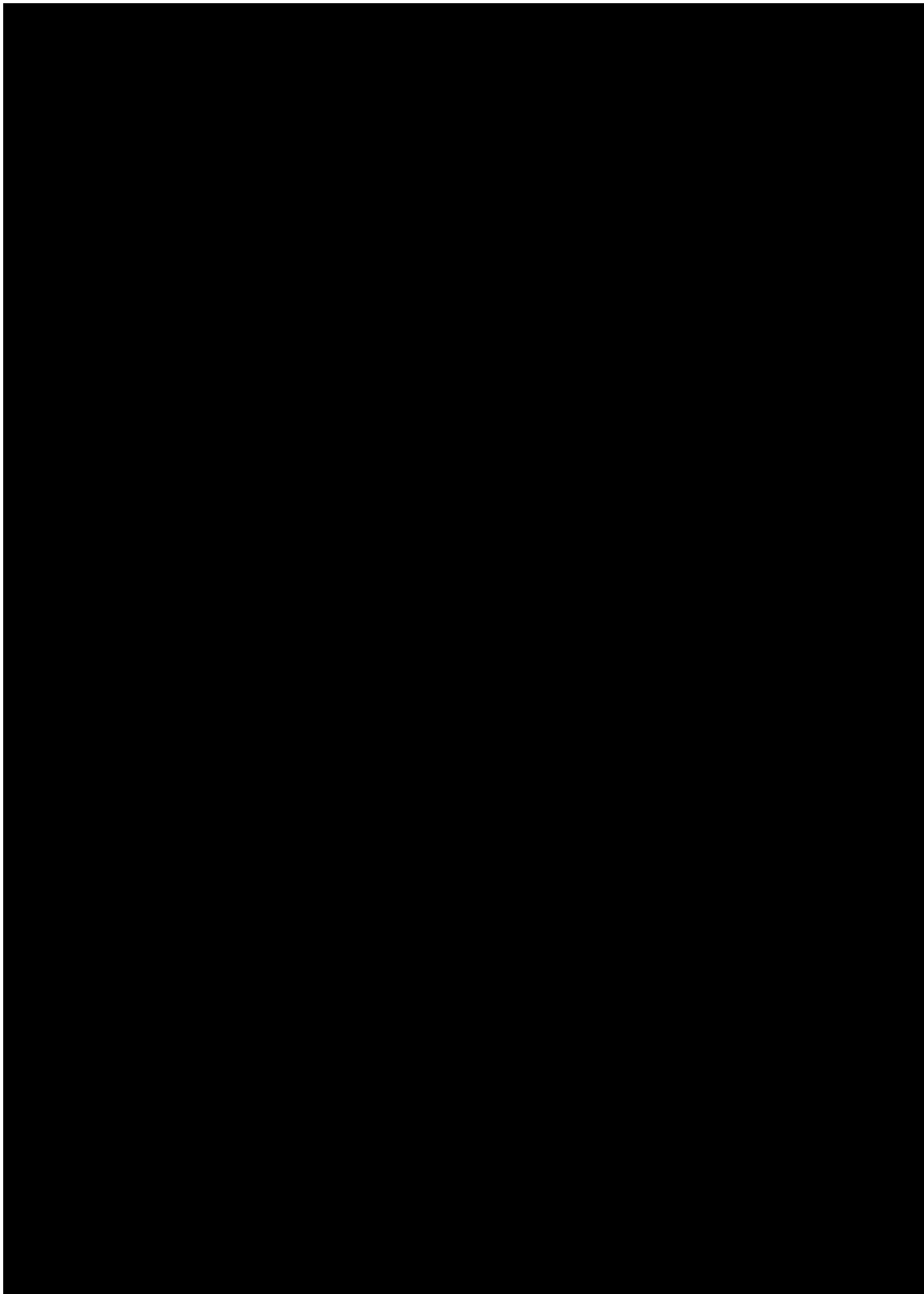


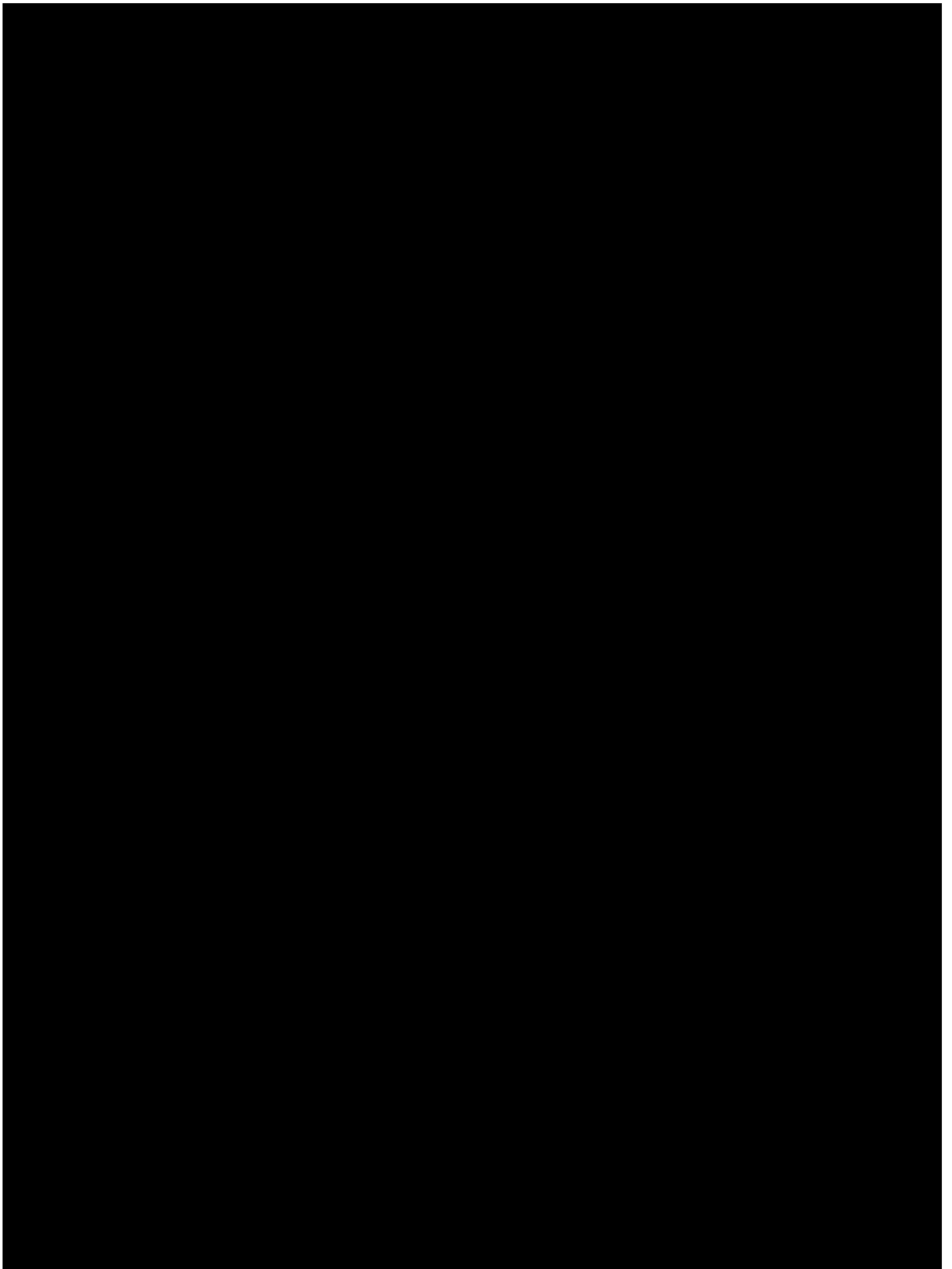


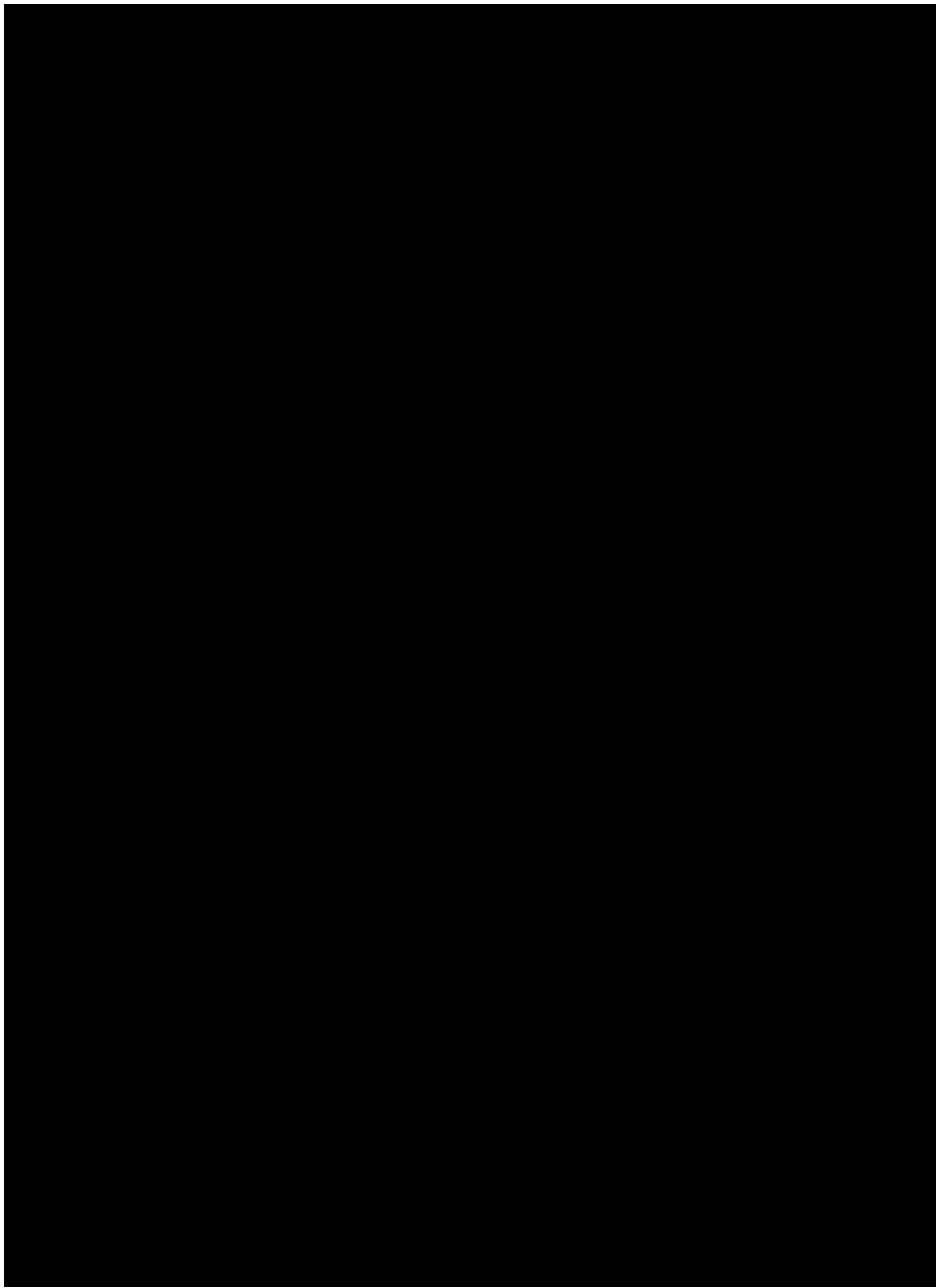


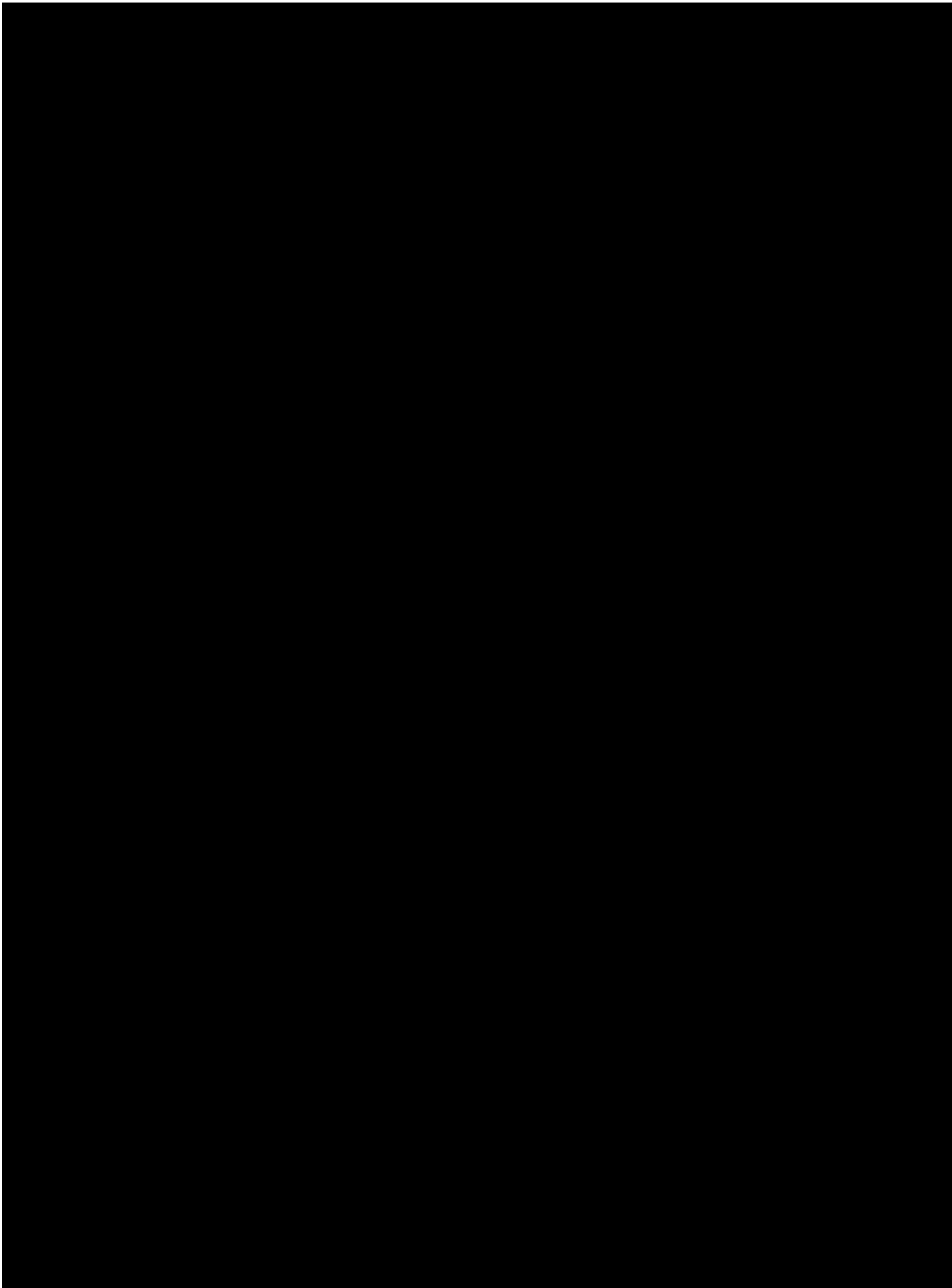


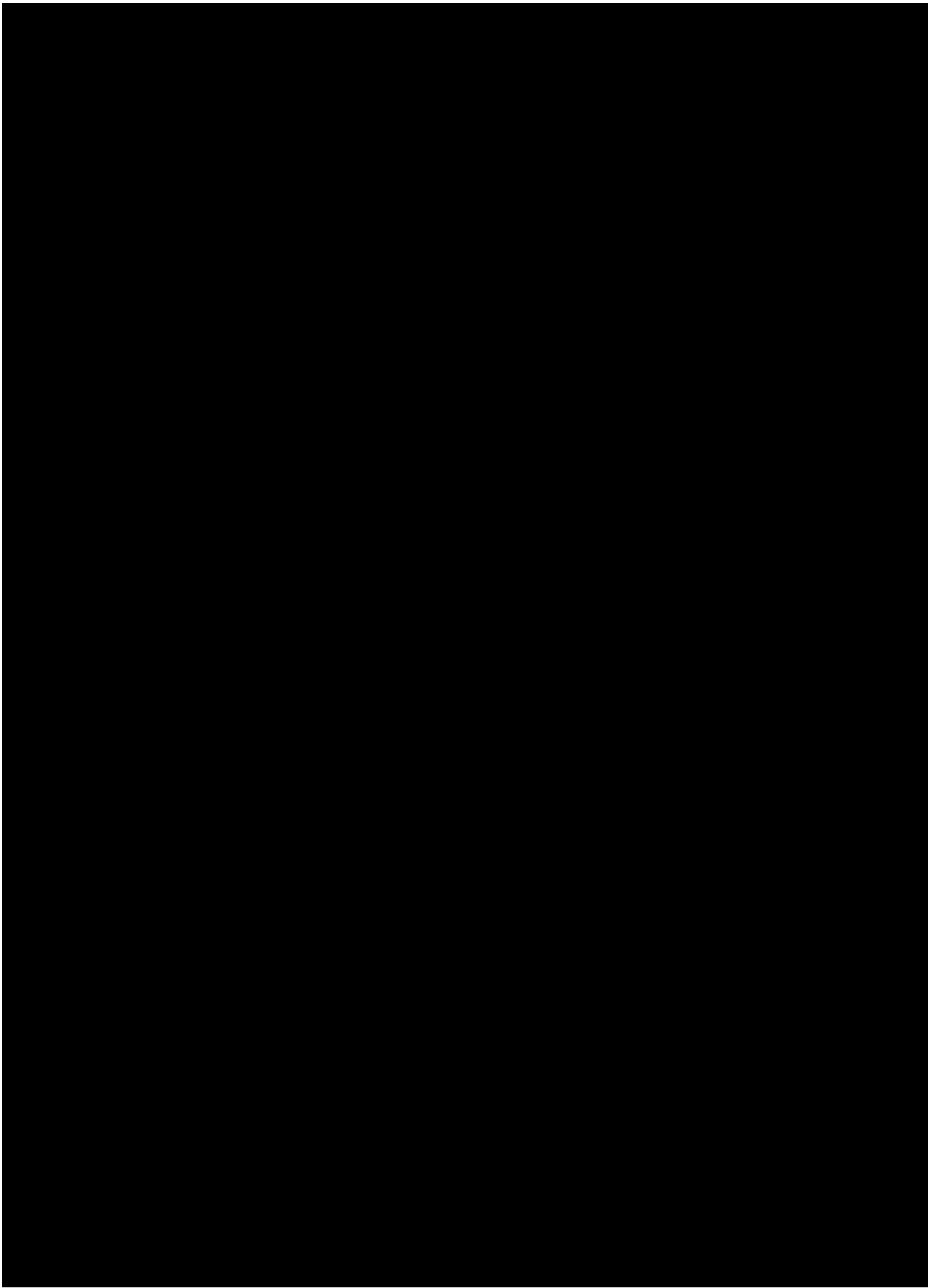


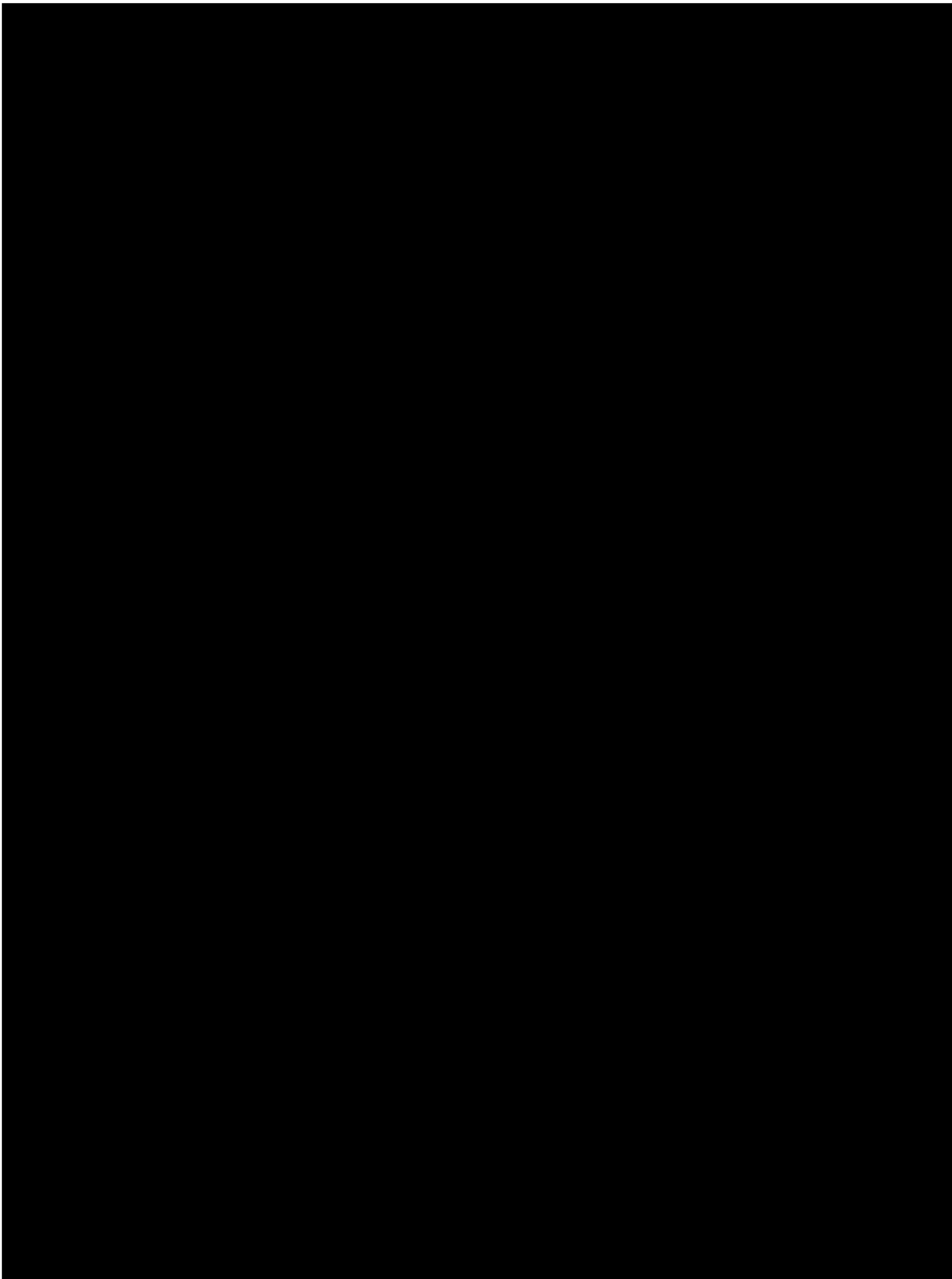


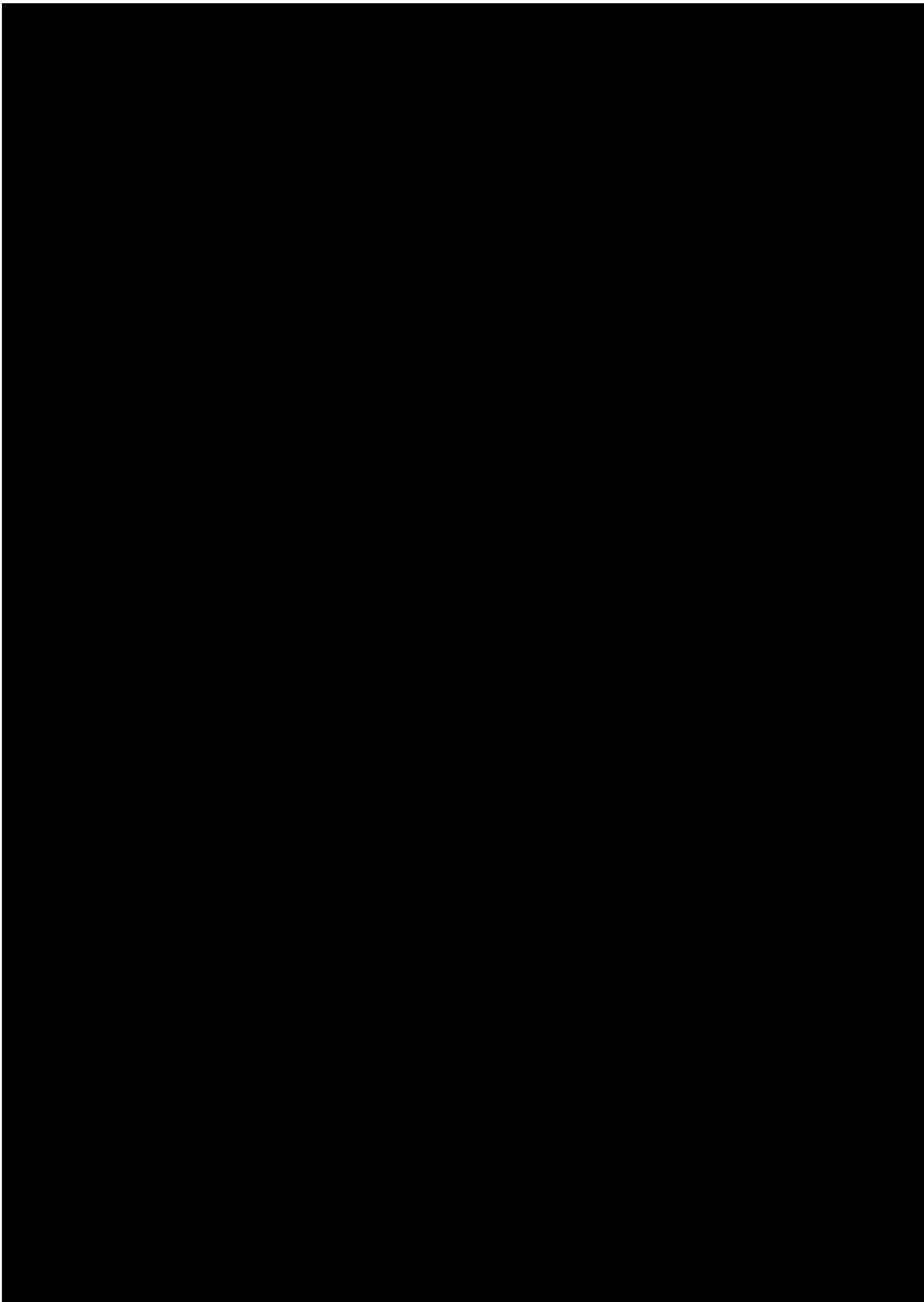


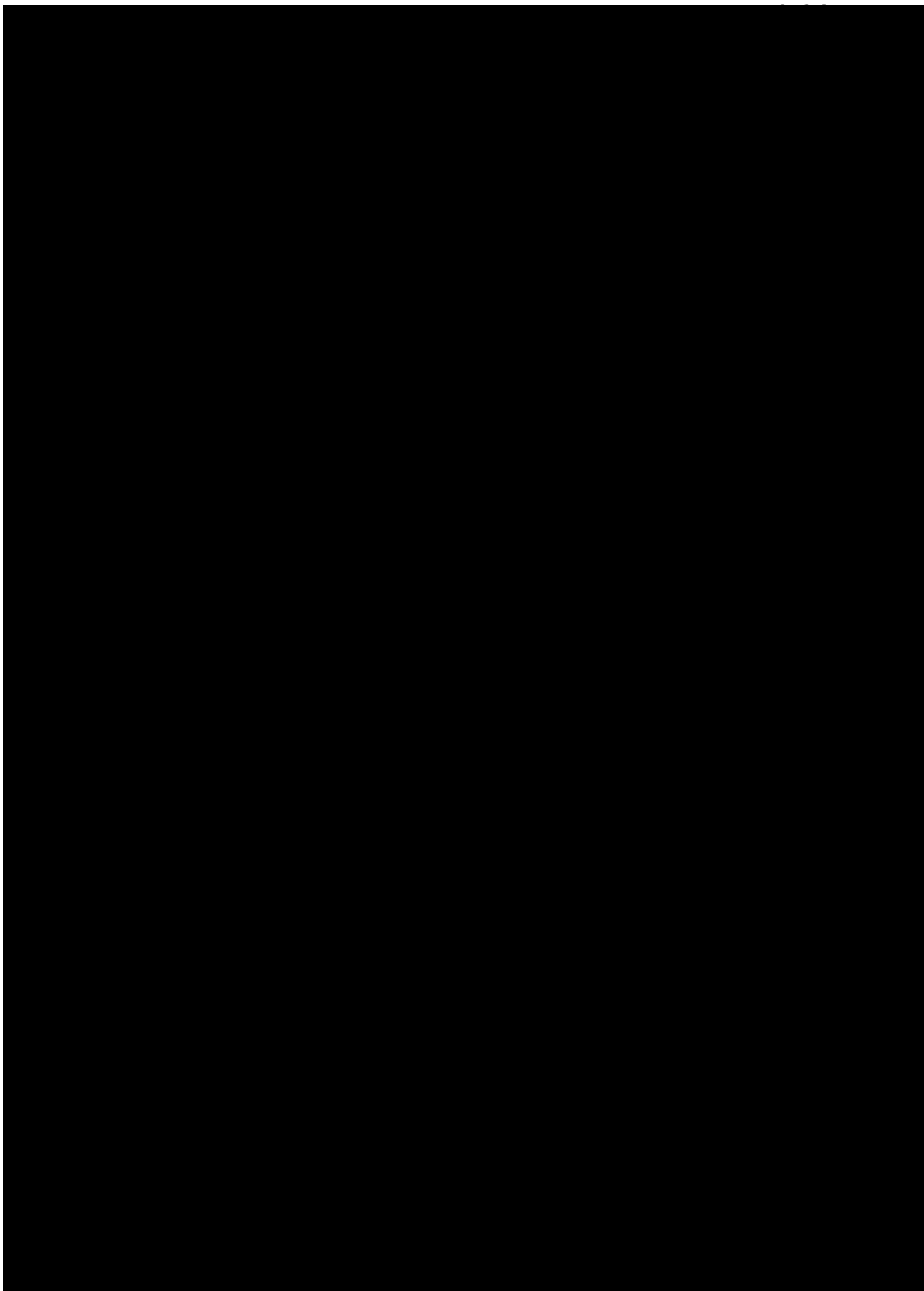


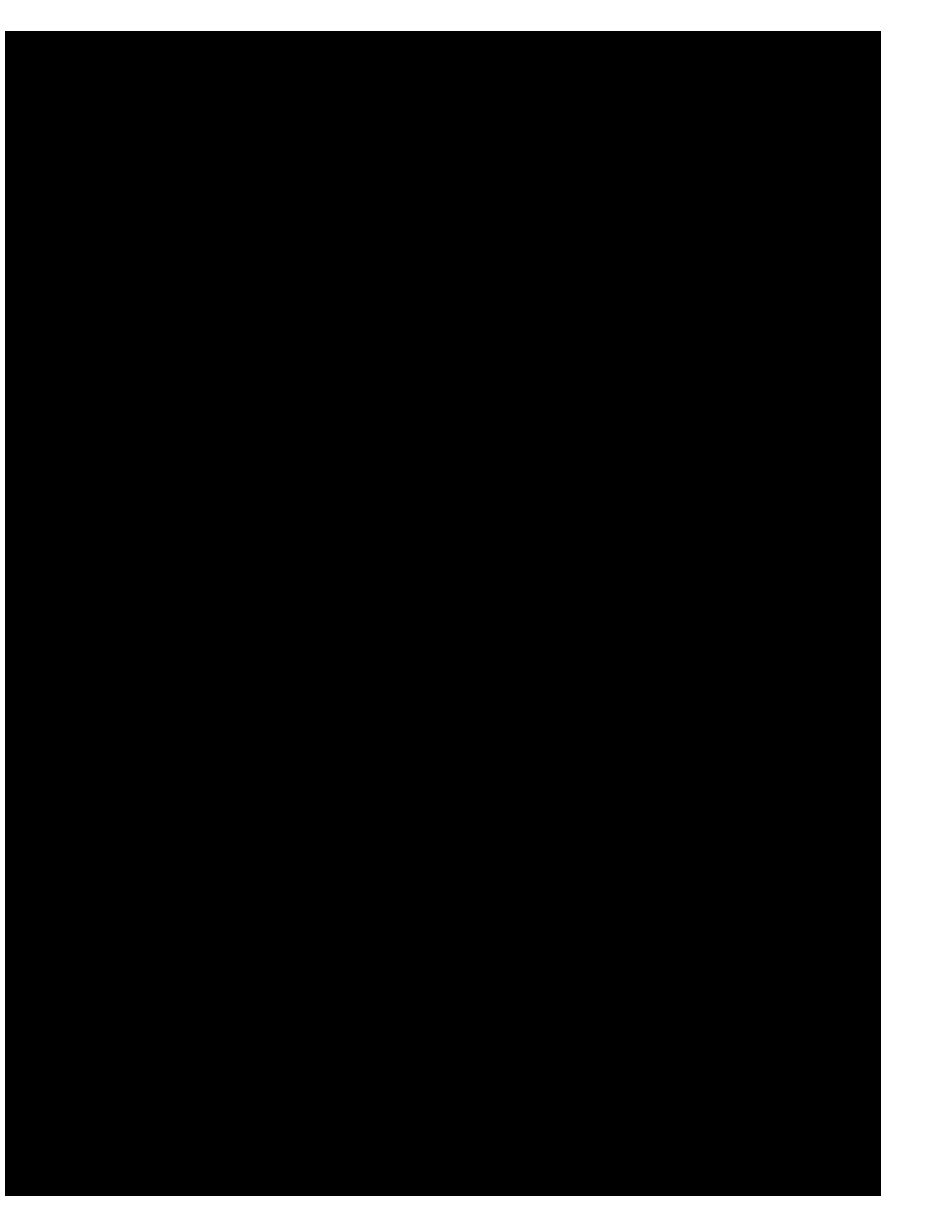


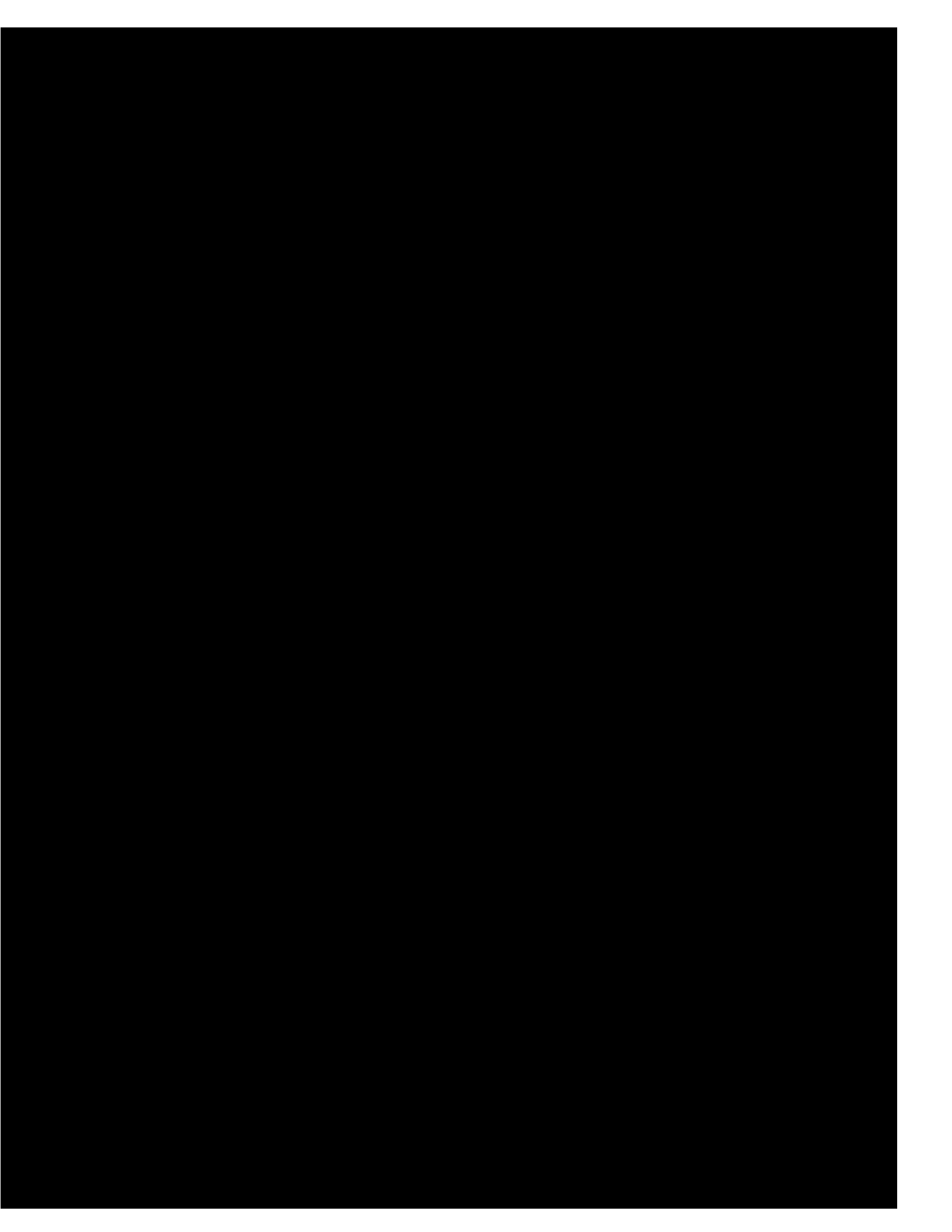


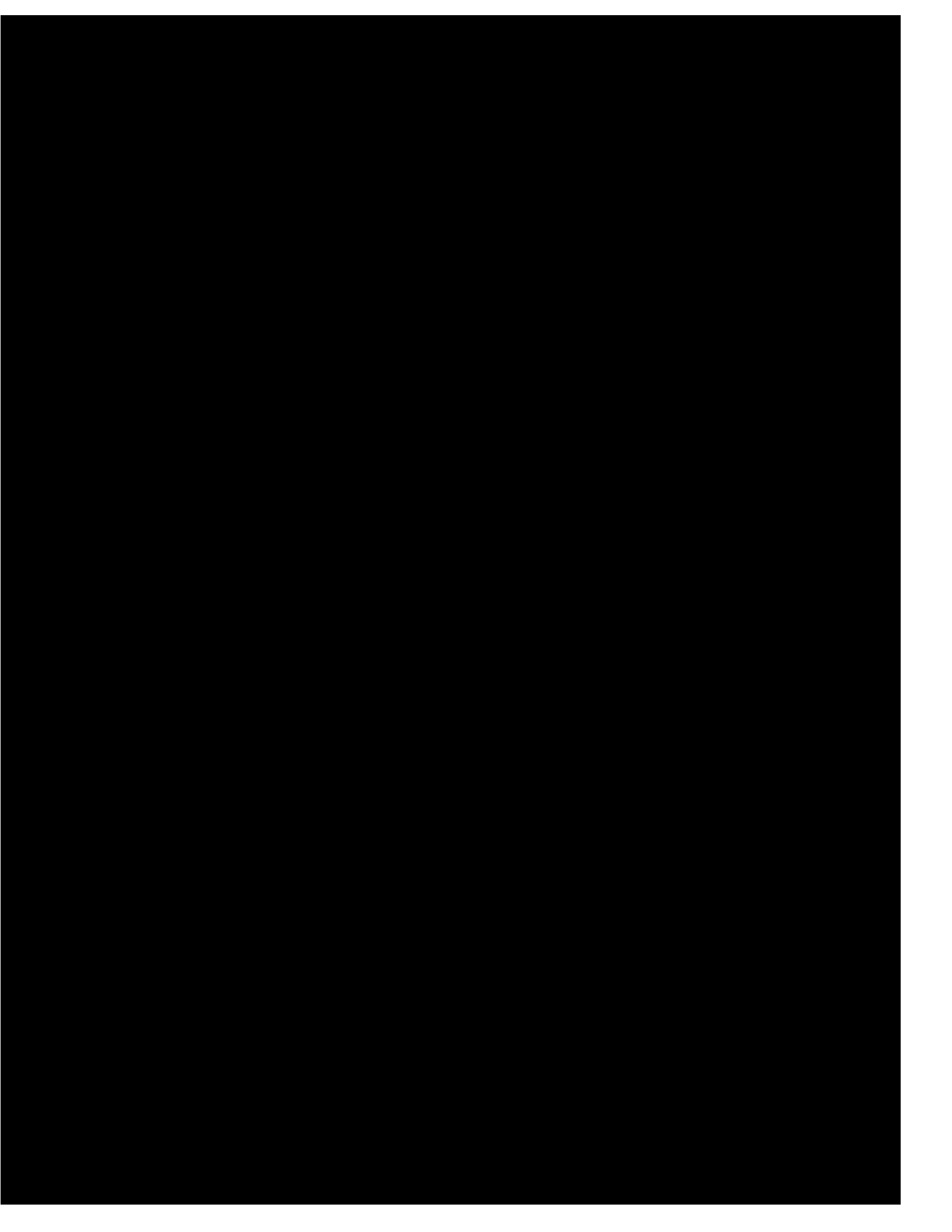








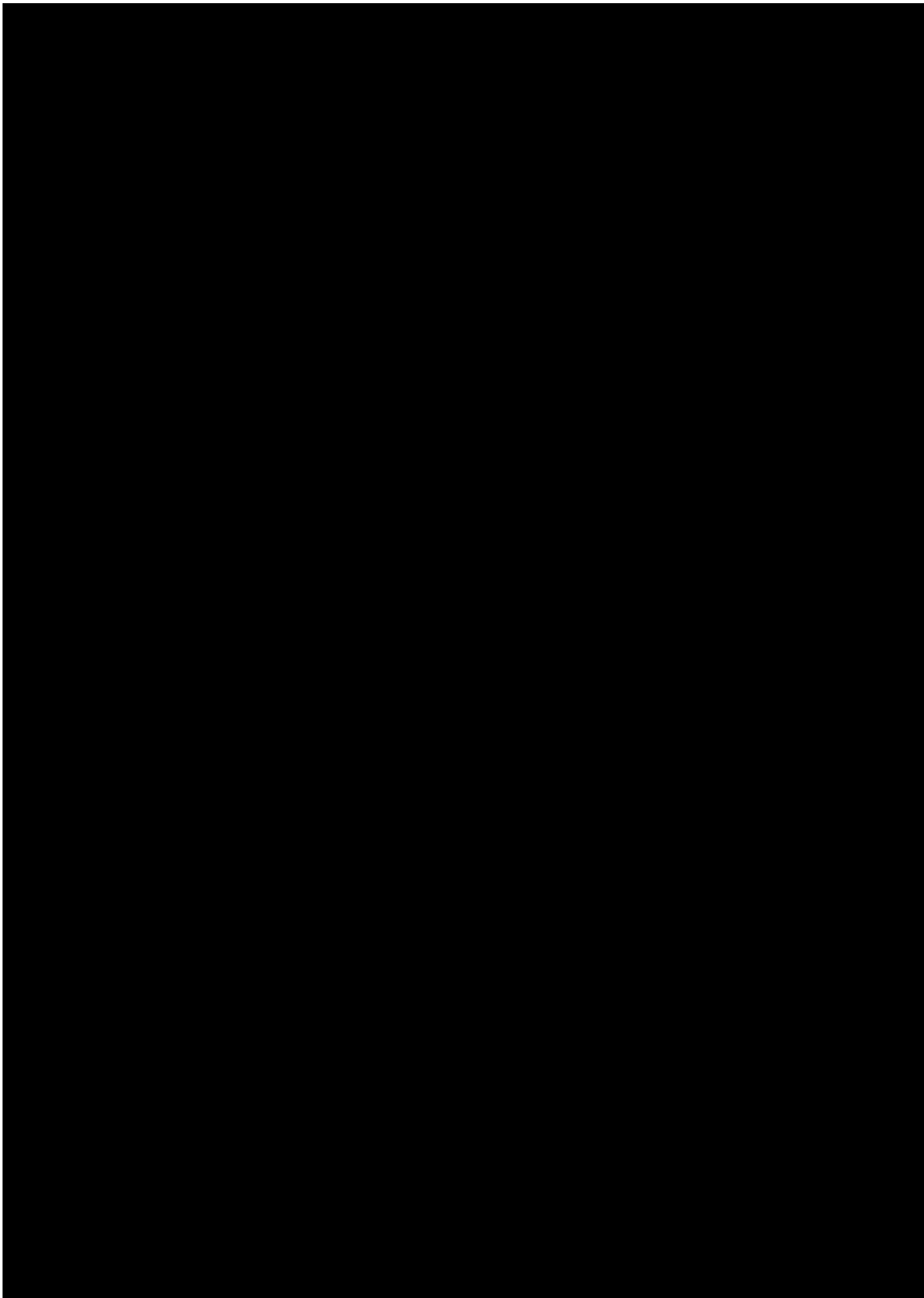




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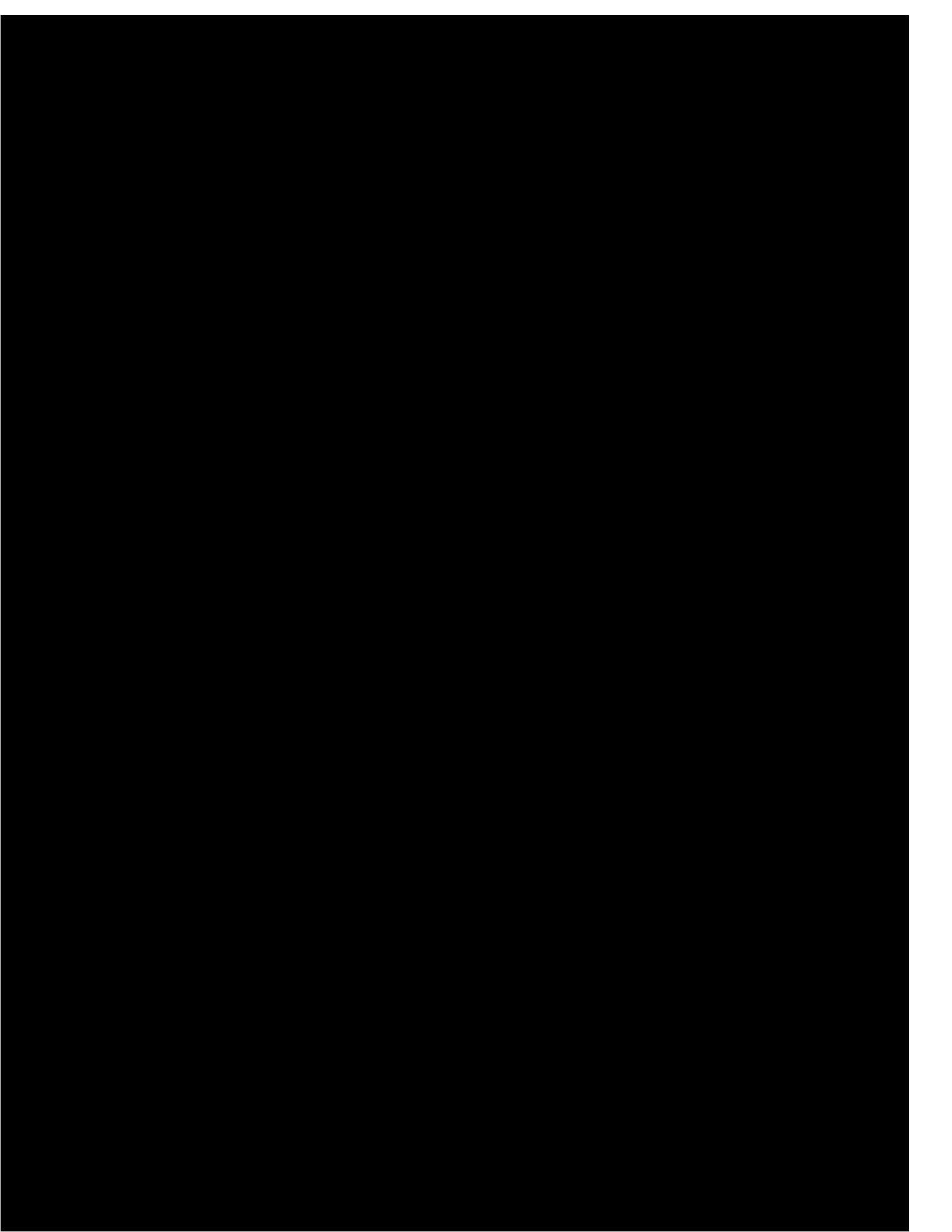


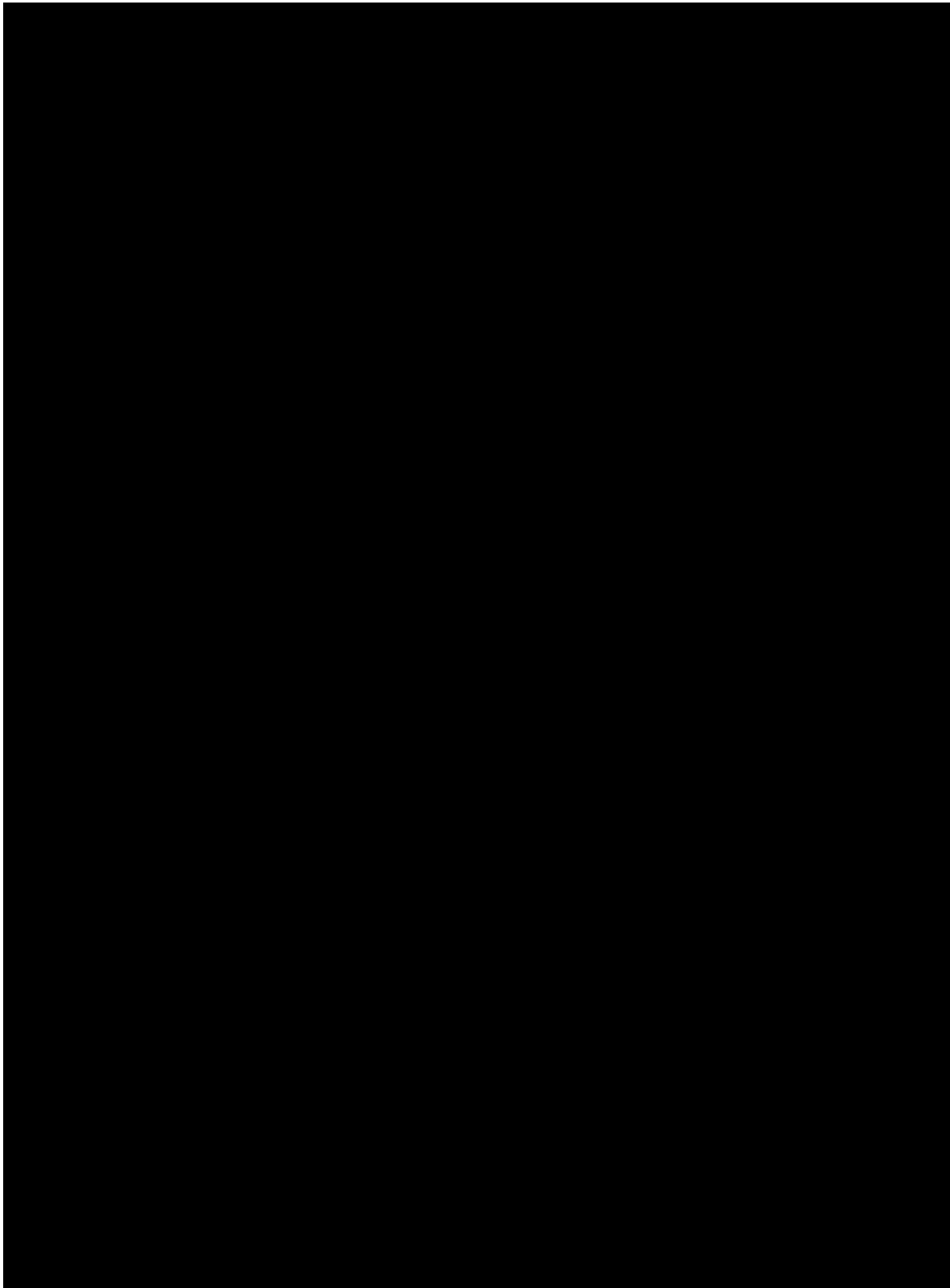
The first part of the document discusses the importance of maintaining accurate records of all transactions. It emphasizes that every receipt, invoice, and bill should be properly filed and dated. This not only helps in tracking expenses but also provides a clear audit trail for tax purposes. The author notes that many small businesses fail because they do not keep proper records, leading to unexpected tax liabilities and penalties.

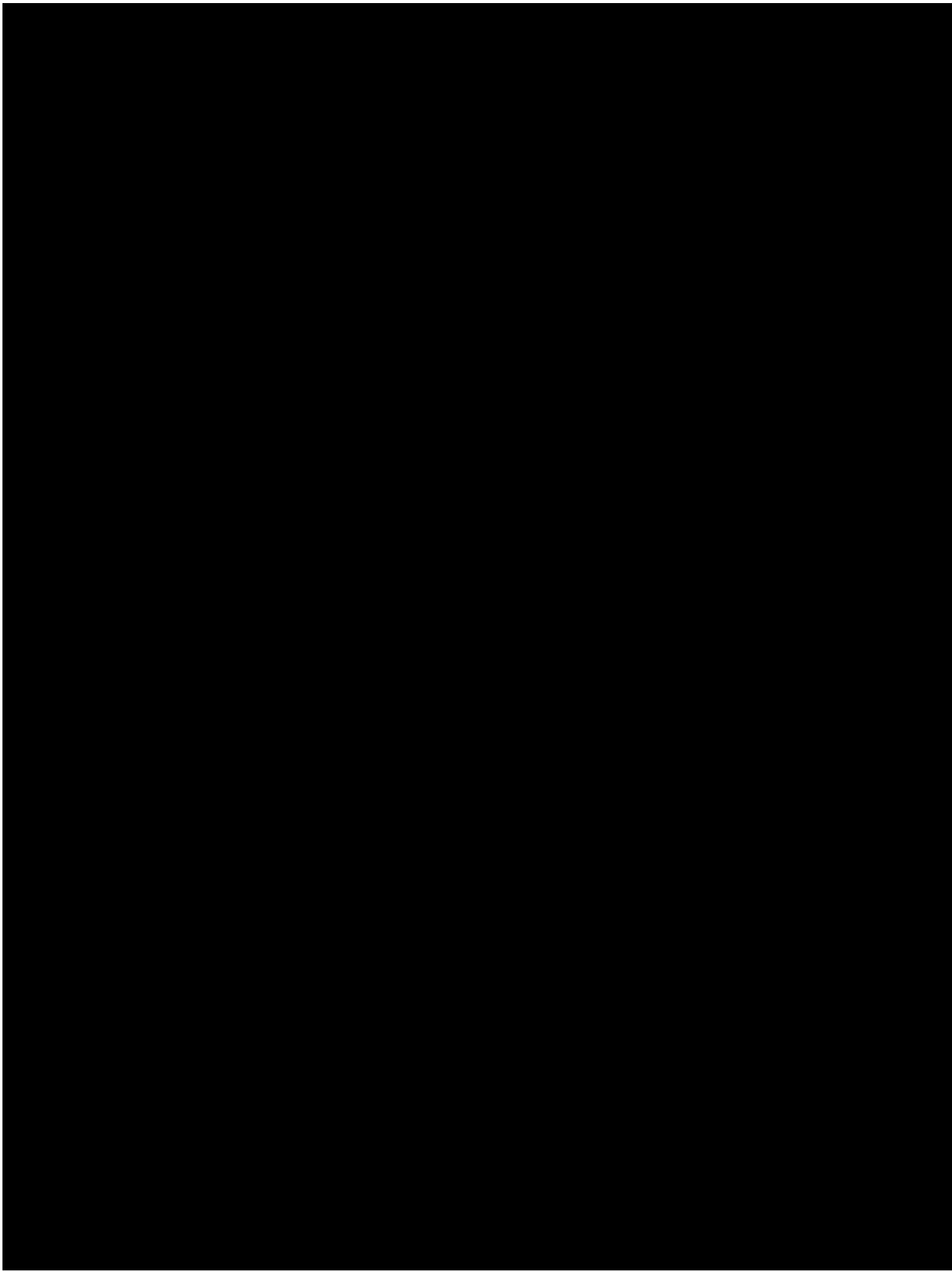
Next, the document covers the basics of budgeting. It suggests creating a monthly budget that accounts for all income and expenses. By comparing actual spending against the budget, business owners can identify areas where they are overspending and make adjustments accordingly. The text also mentions the importance of setting aside a portion of profits for an emergency fund to cover unexpected downturns in business.

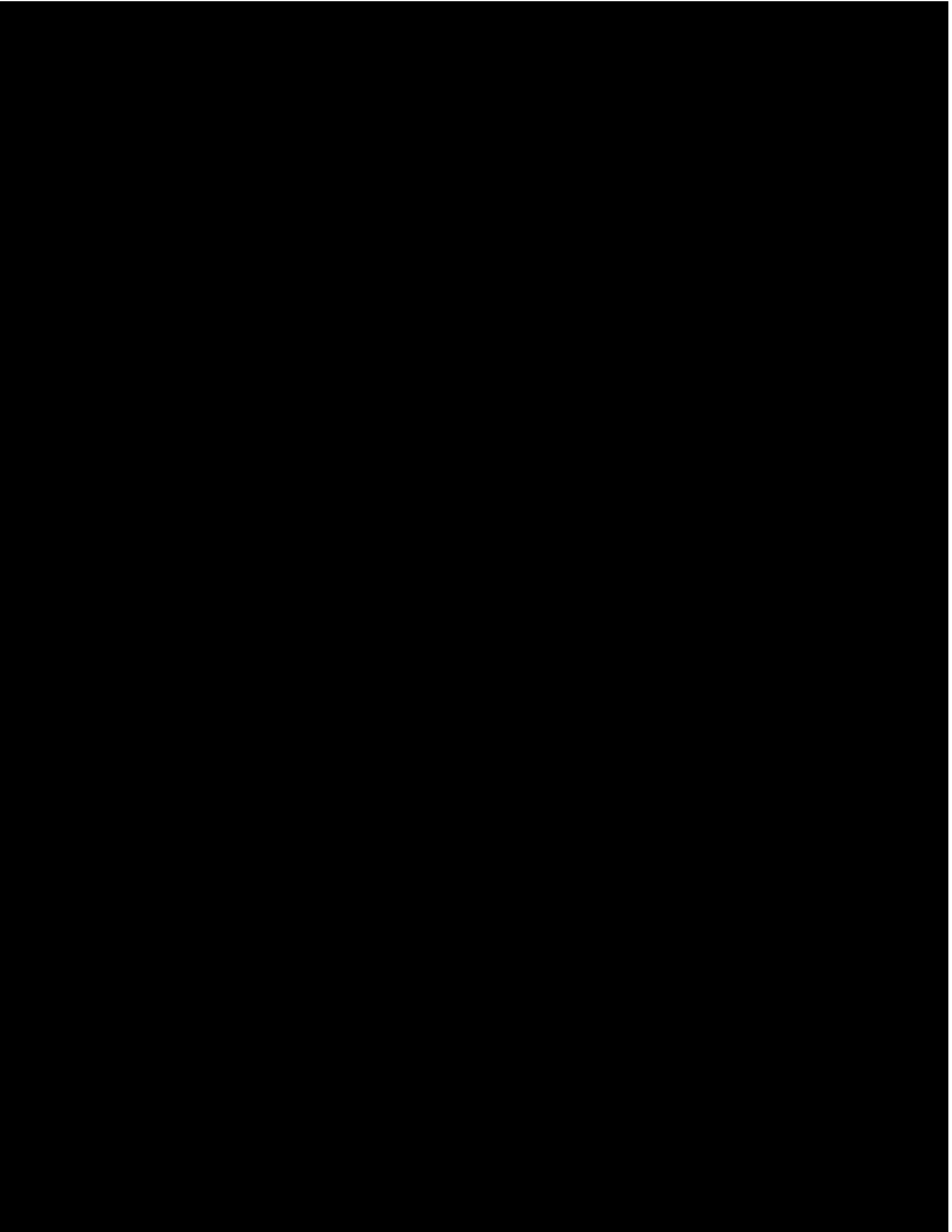
The third section focuses on marketing strategies. It highlights the need for a consistent and targeted marketing plan. This includes identifying the target audience, choosing the right marketing channels (such as social media, email newsletters, or local advertising), and measuring the effectiveness of each campaign. The author stresses that marketing is an ongoing process and should be integrated into the overall business strategy.

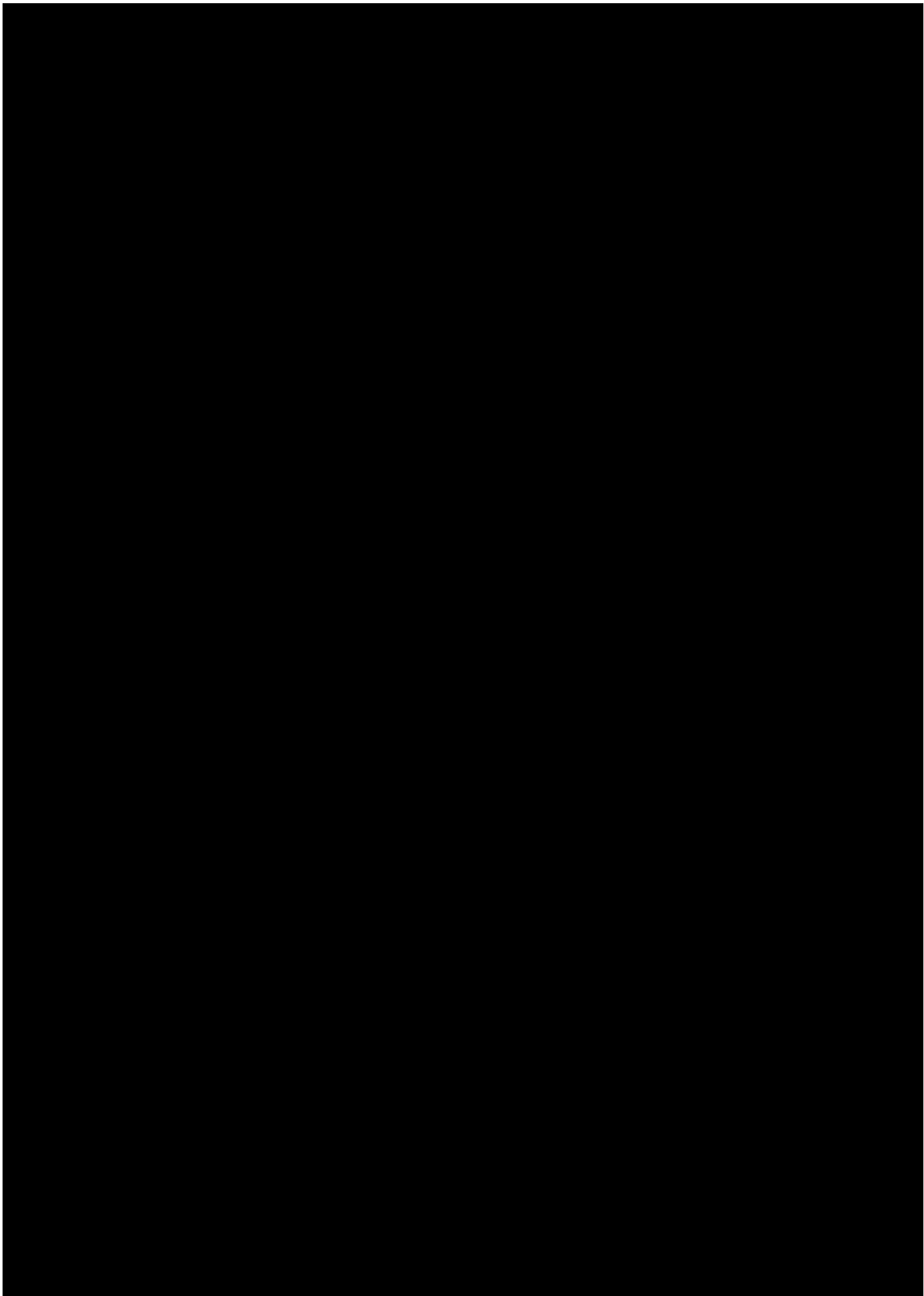
Finally, the document discusses the importance of legal and financial advice. It recommends consulting with a professional accountant or lawyer to ensure that the business is structured correctly and complies with all relevant laws and regulations. This is particularly important for businesses that are expanding or entering new markets. The text concludes by encouraging business owners to stay informed and proactive in managing their financial affairs.

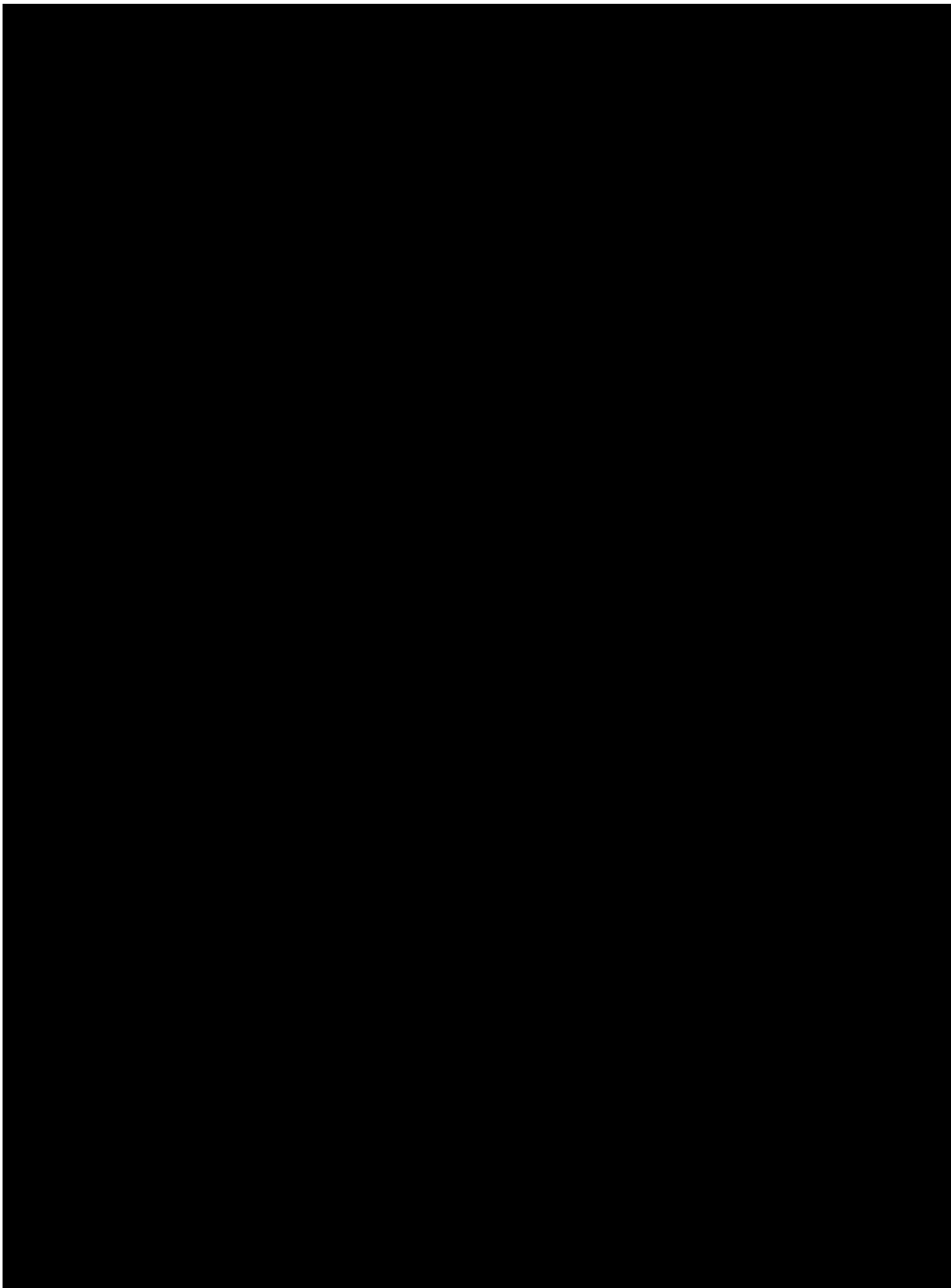


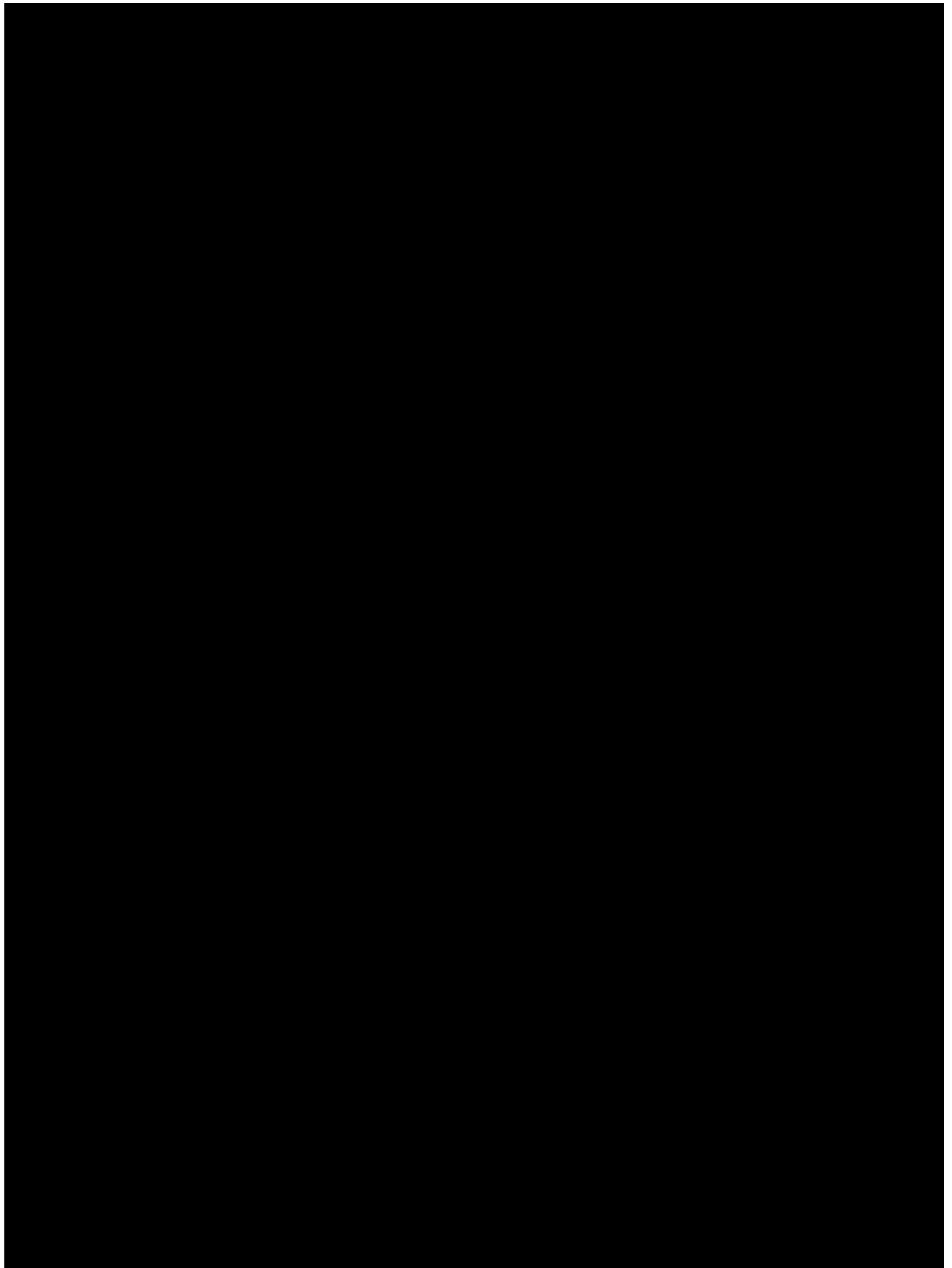


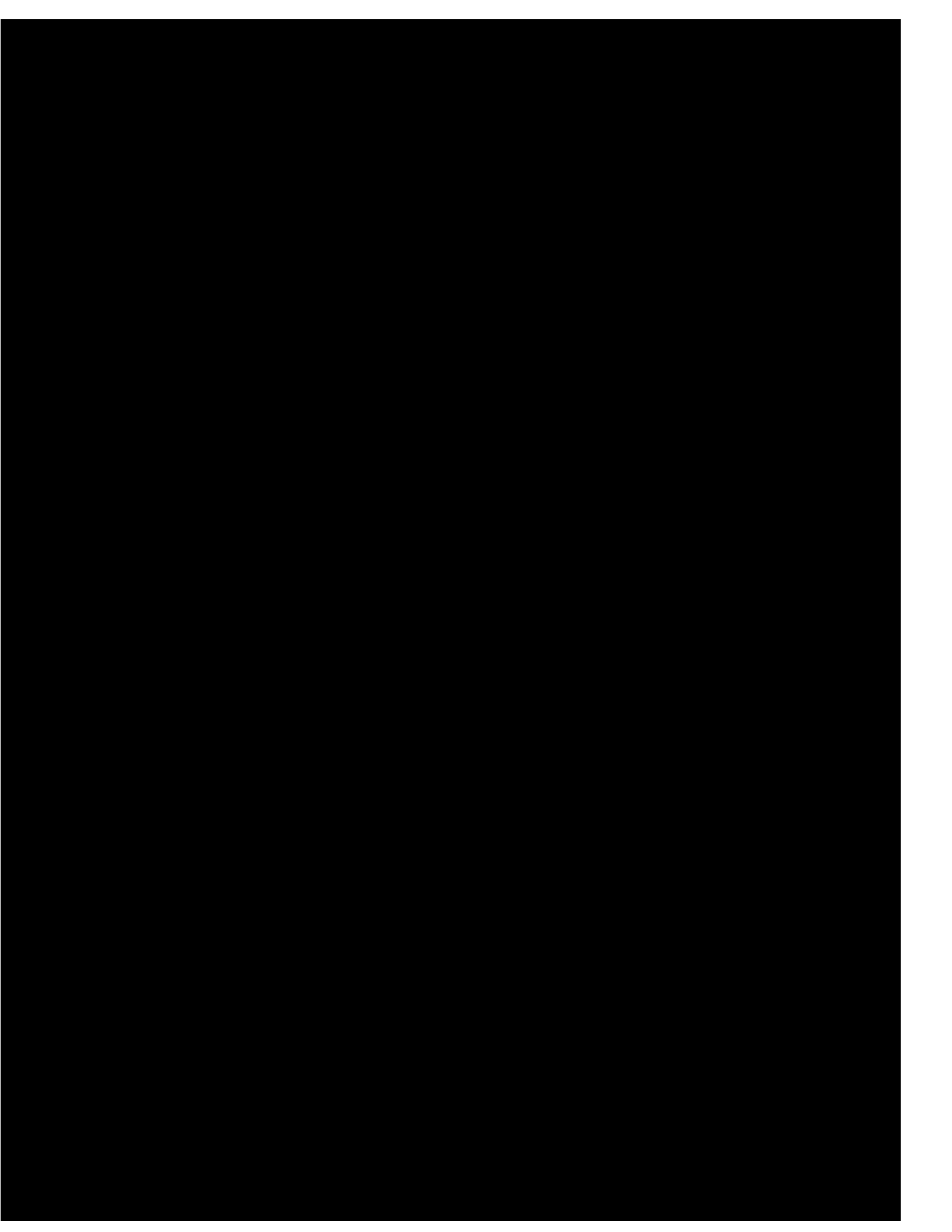


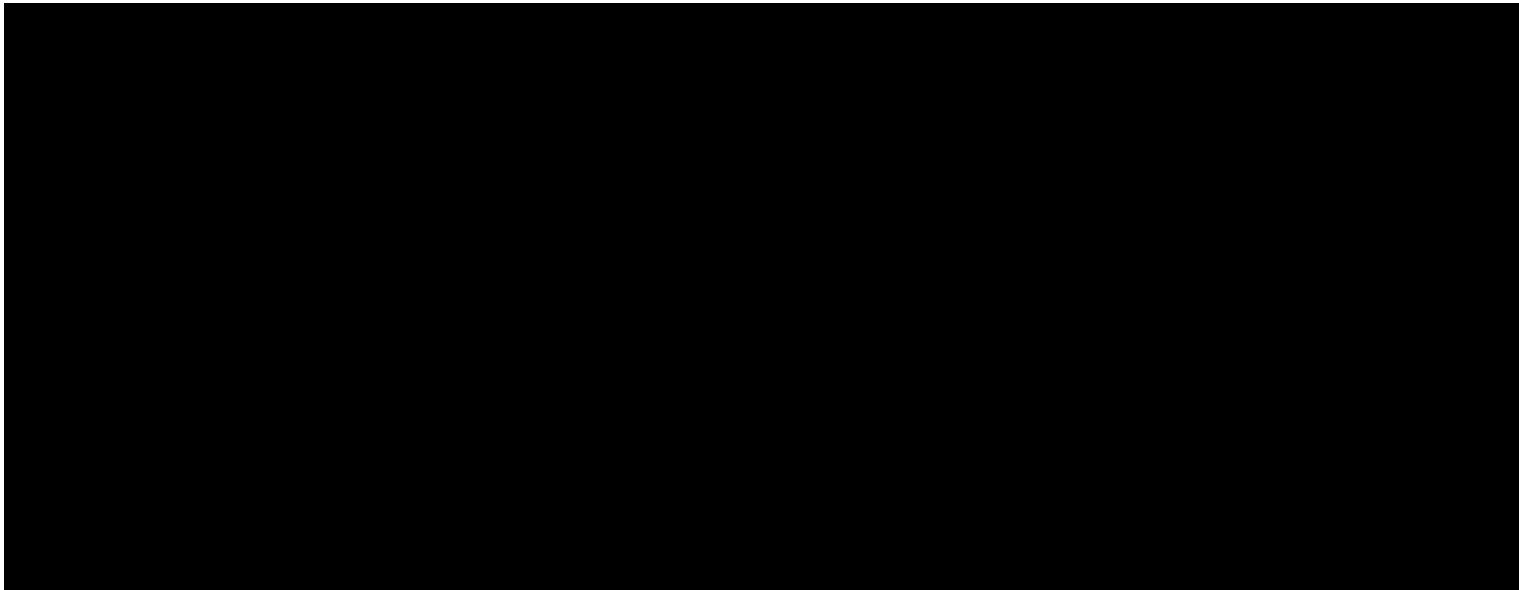


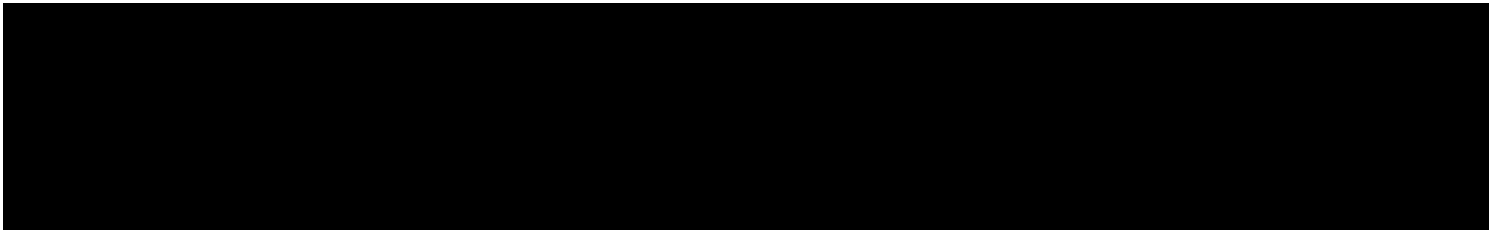
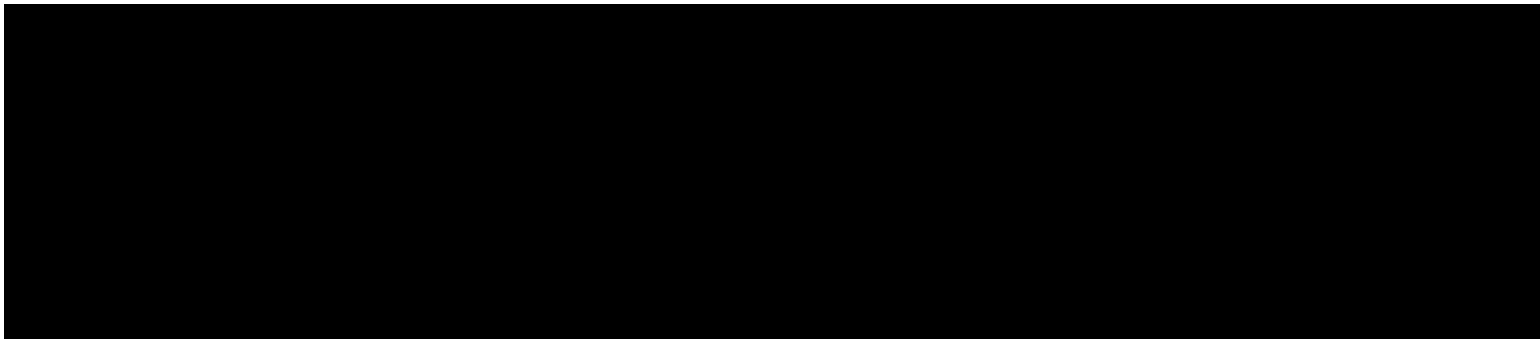


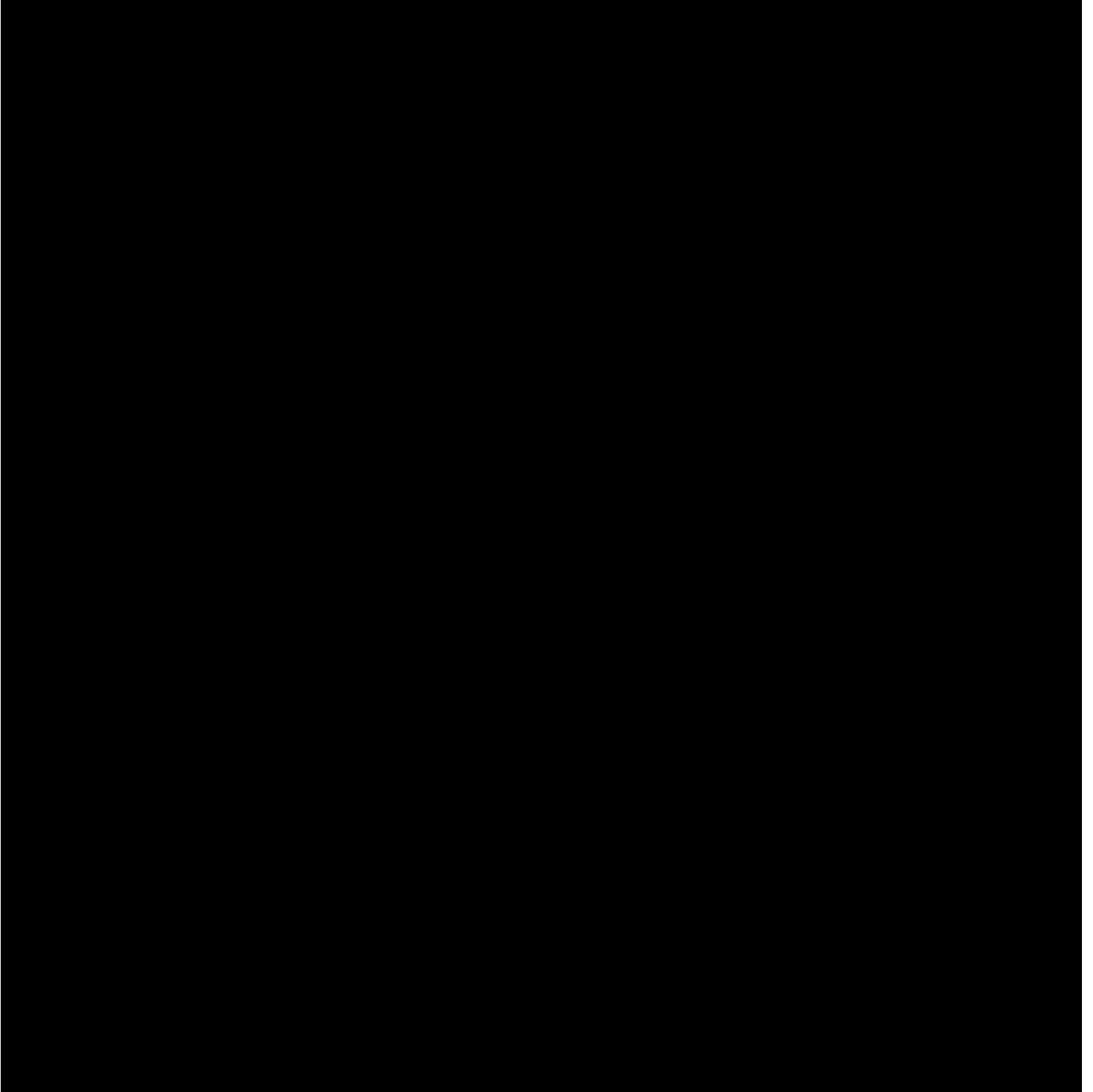


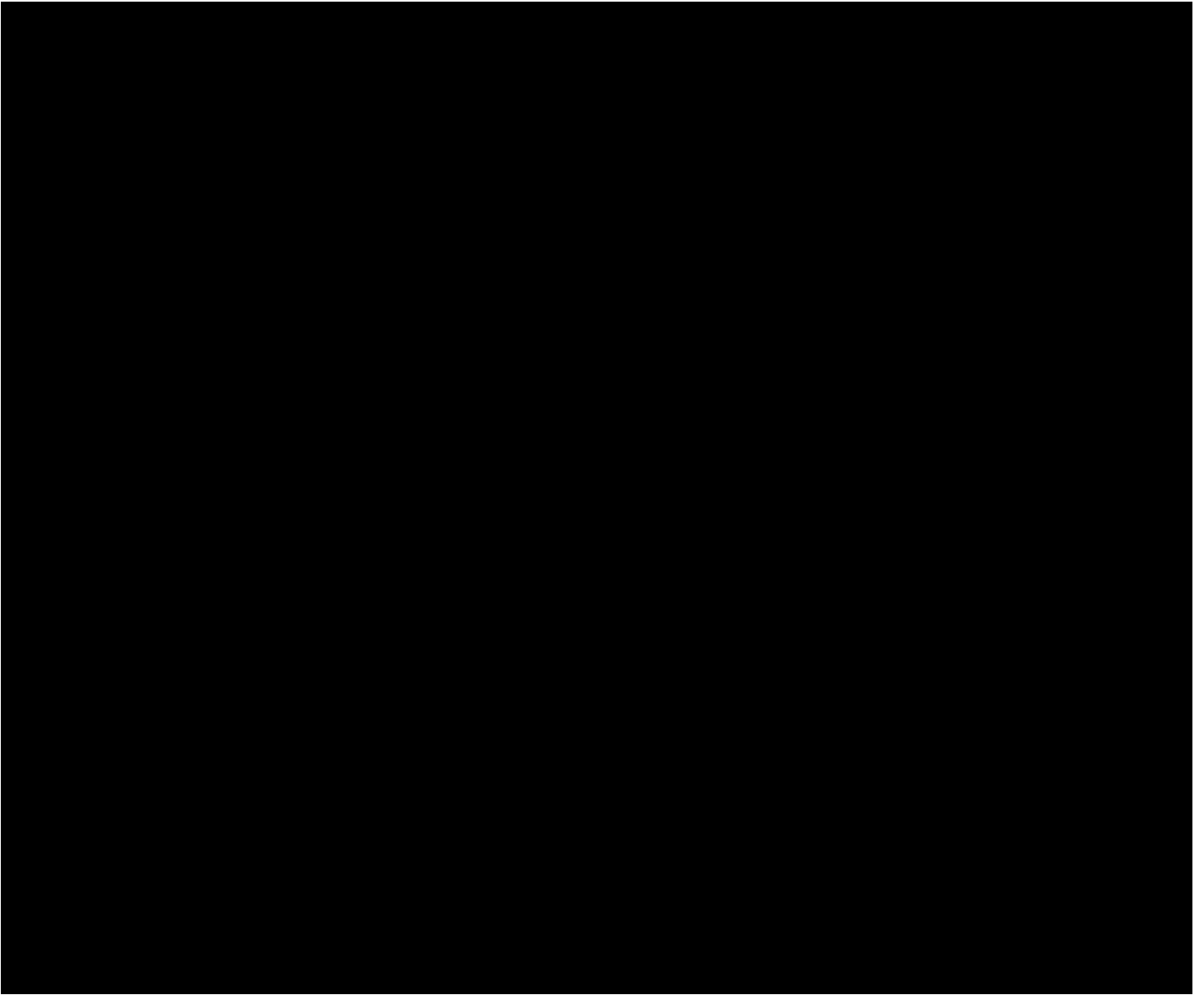


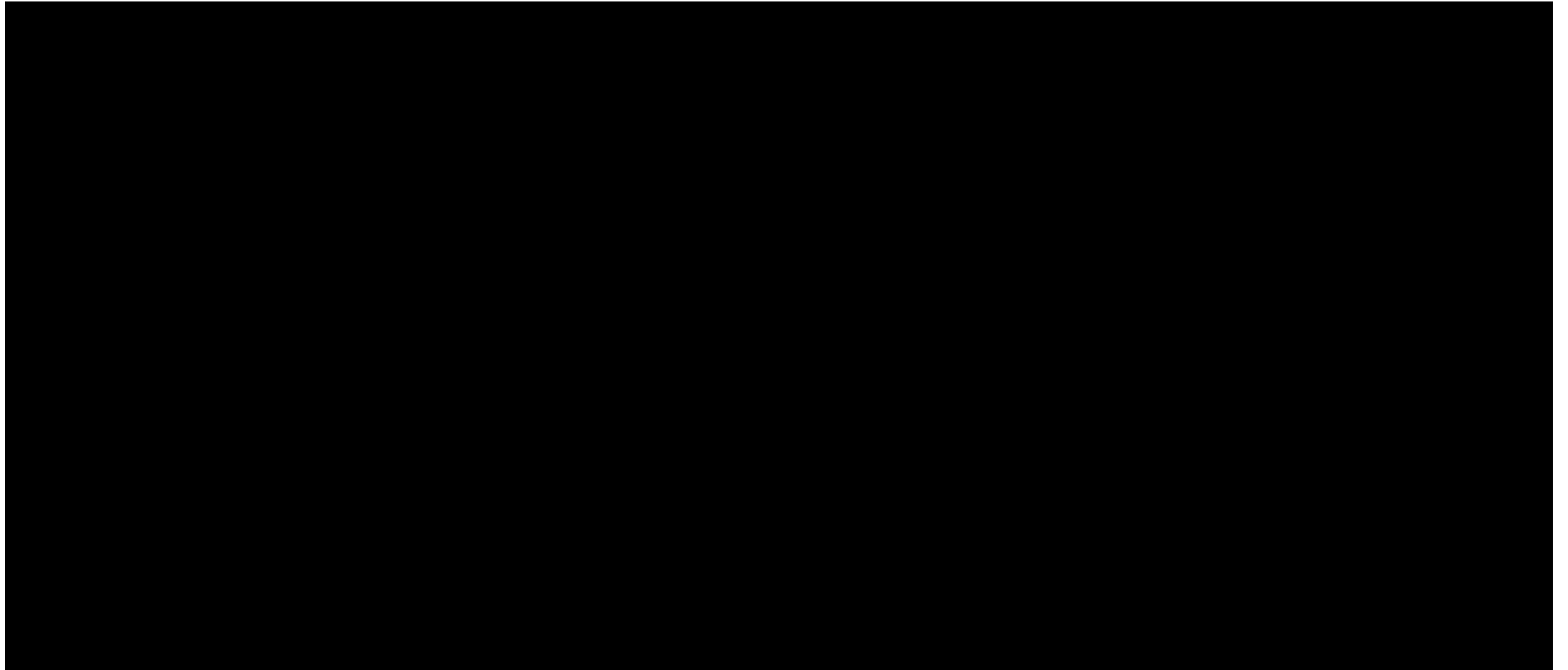


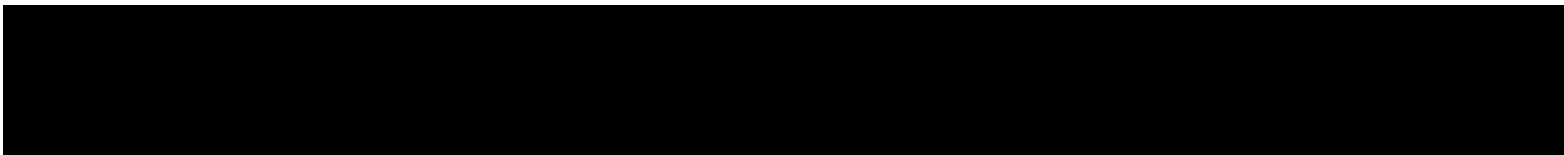
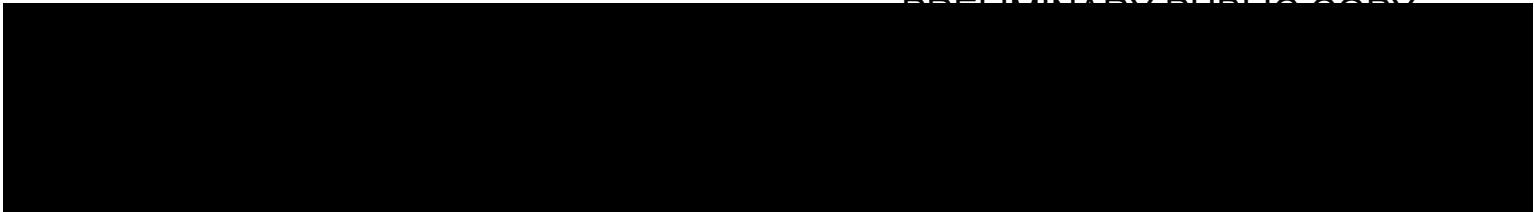






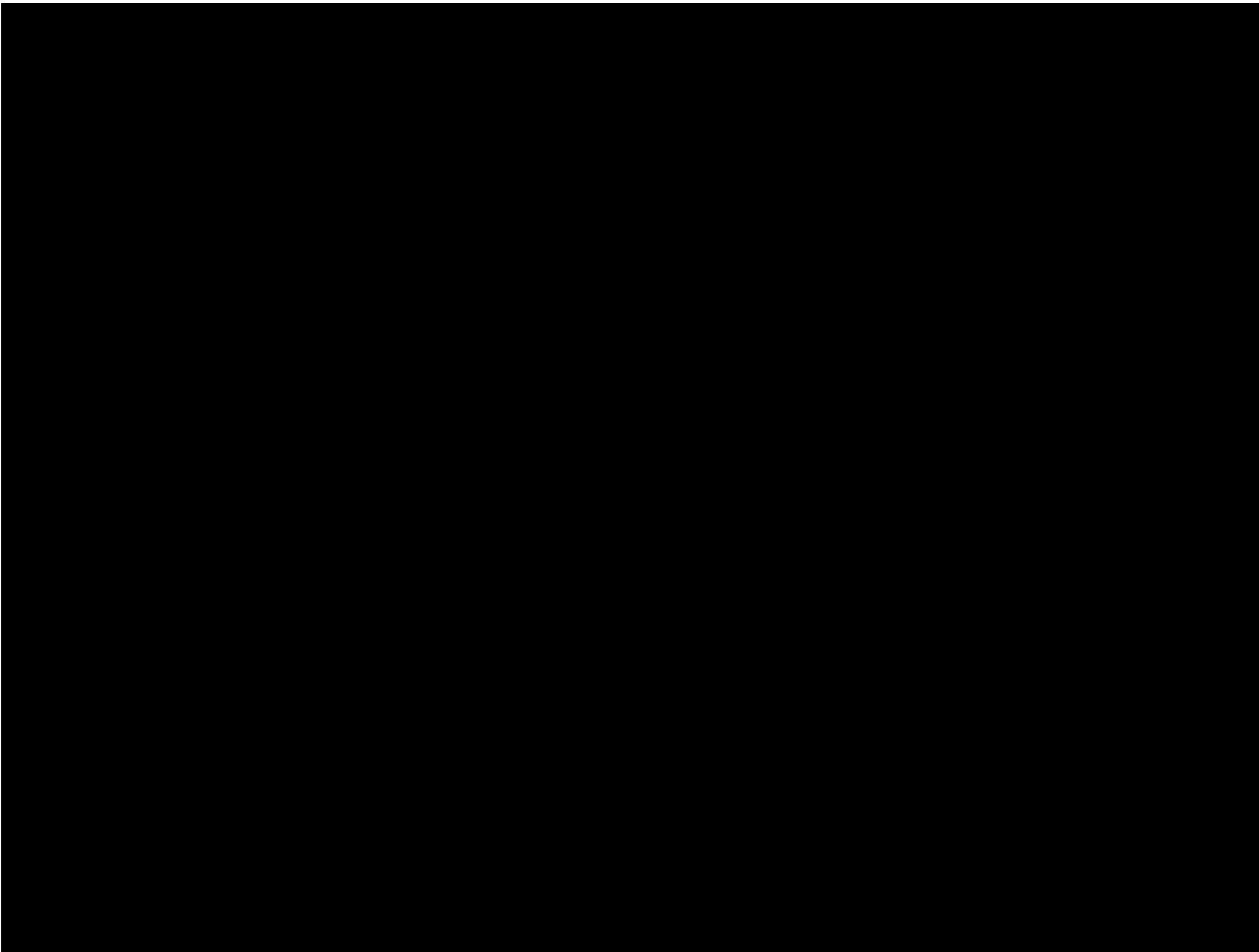


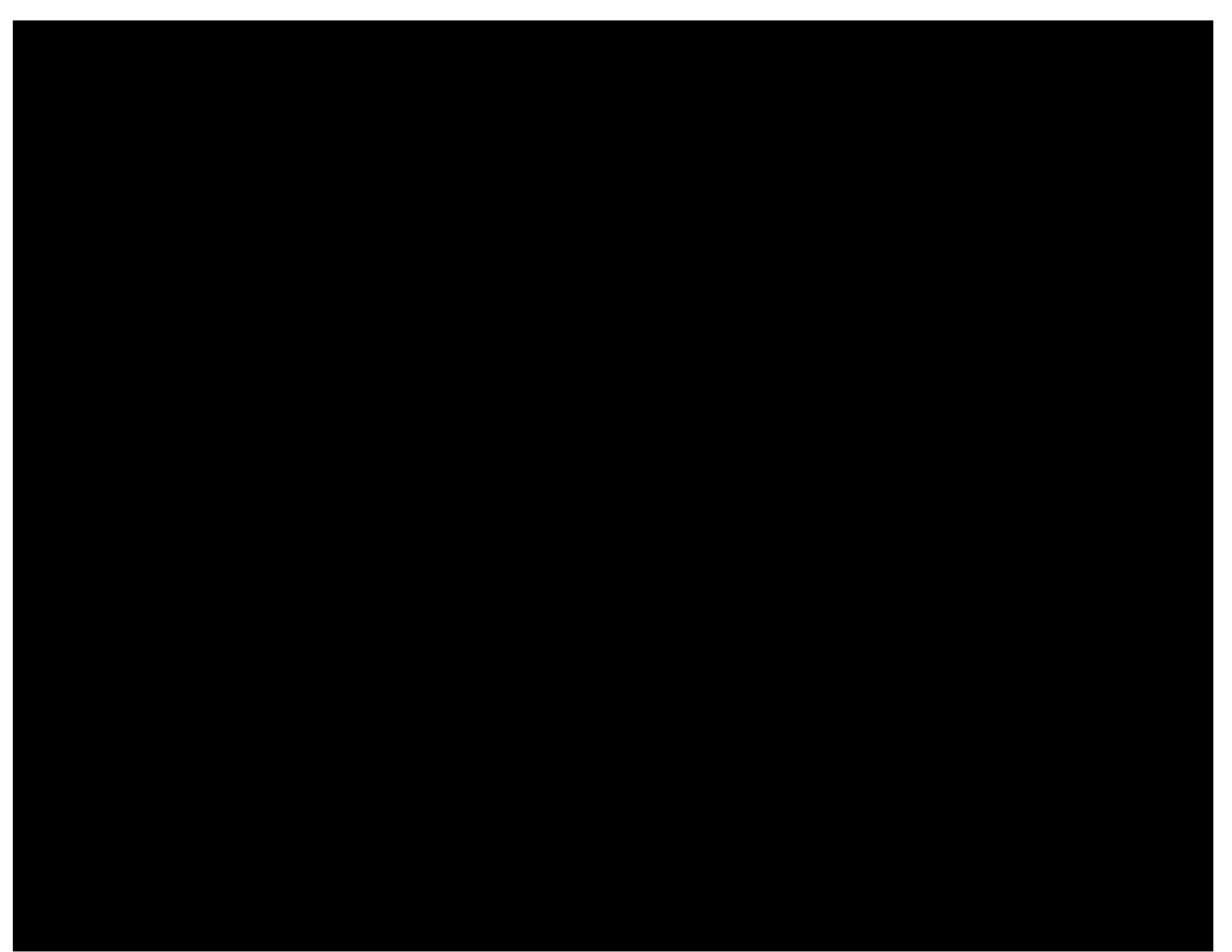


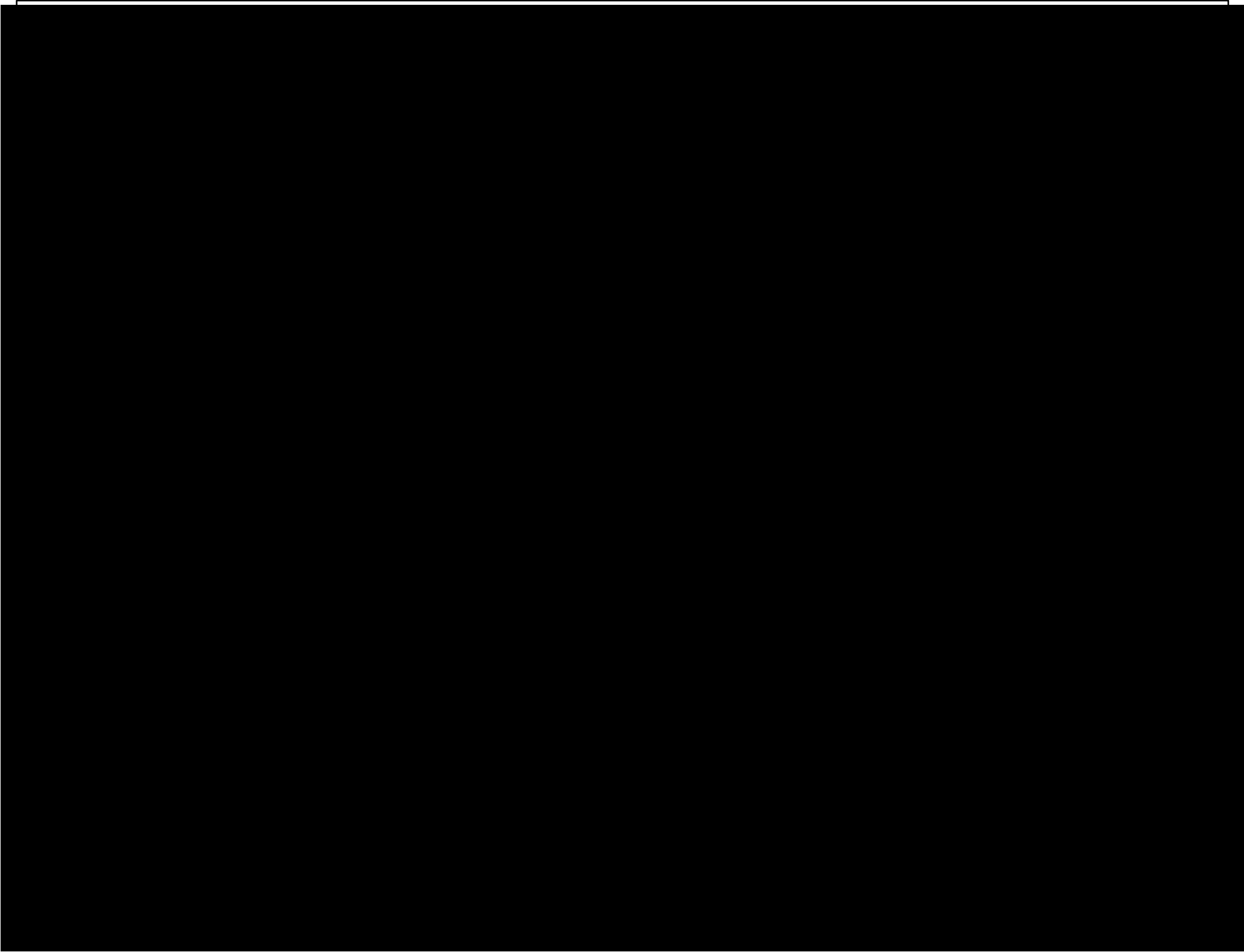


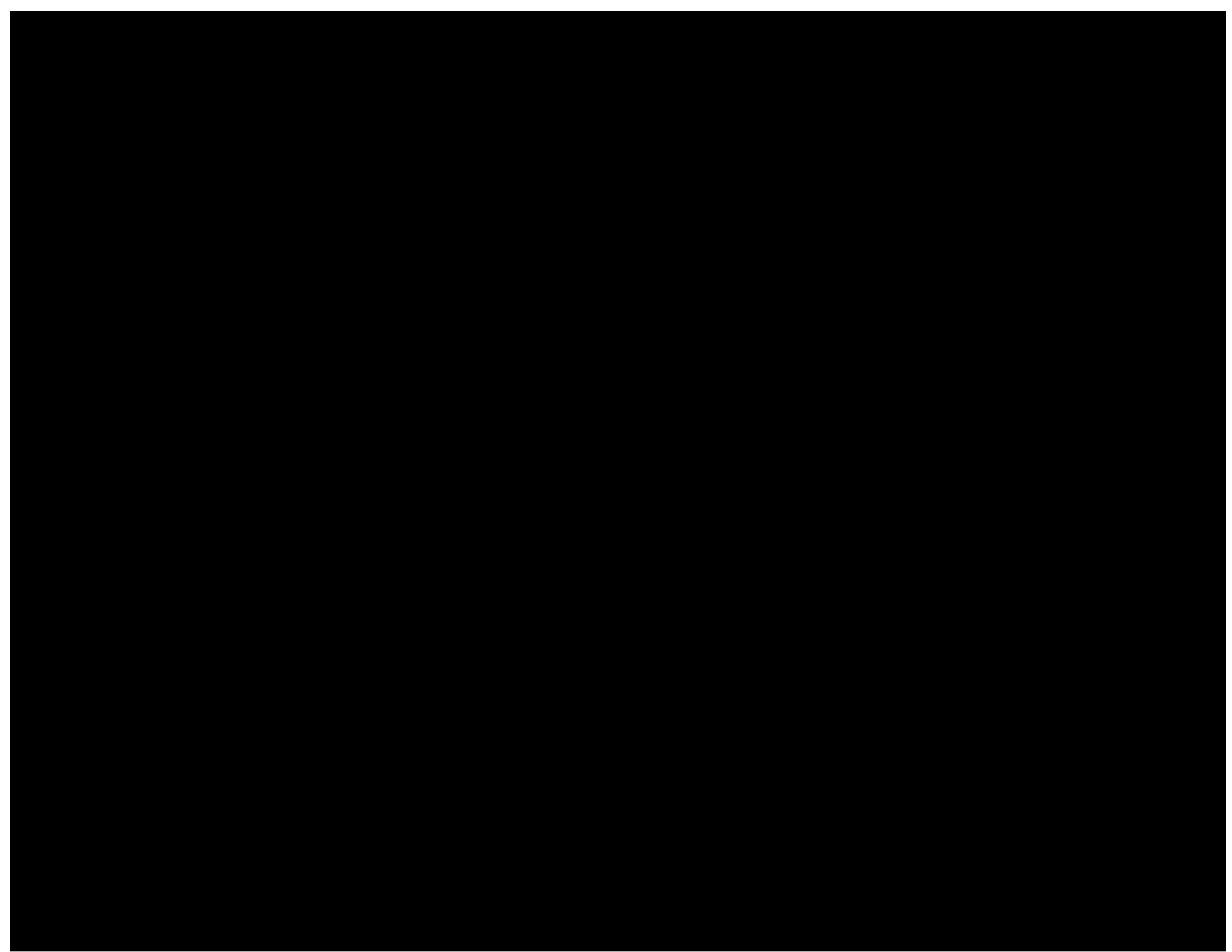


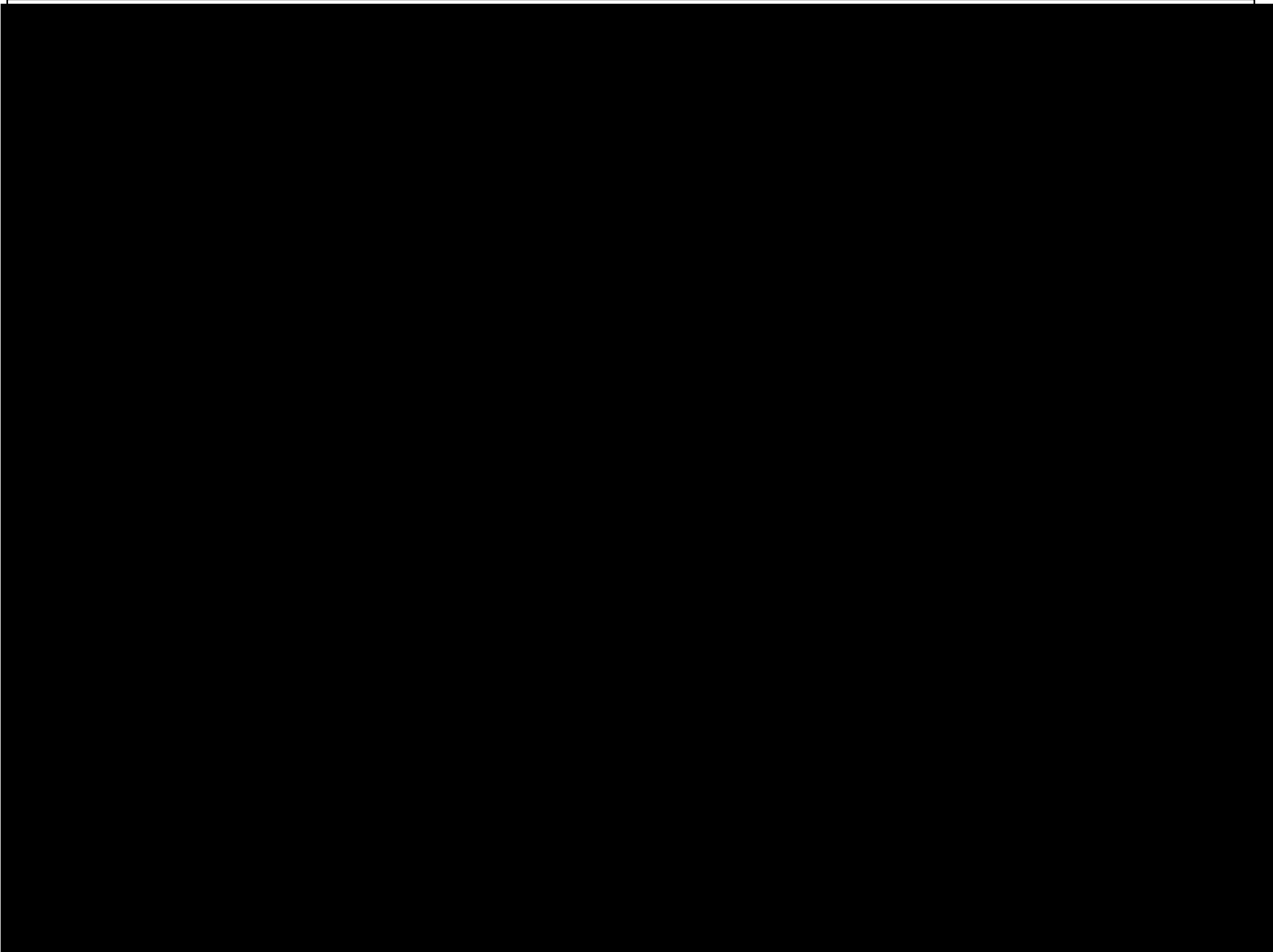


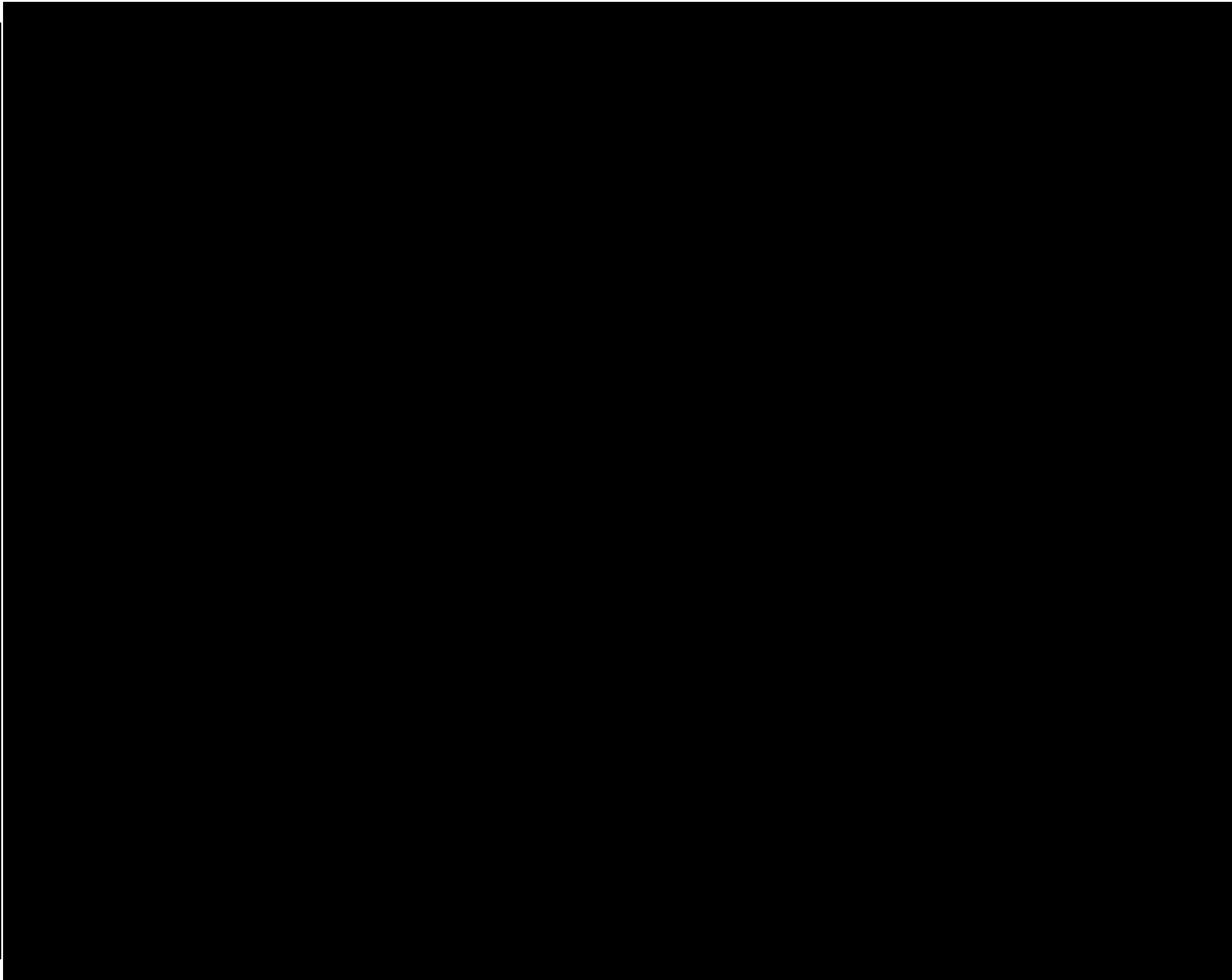


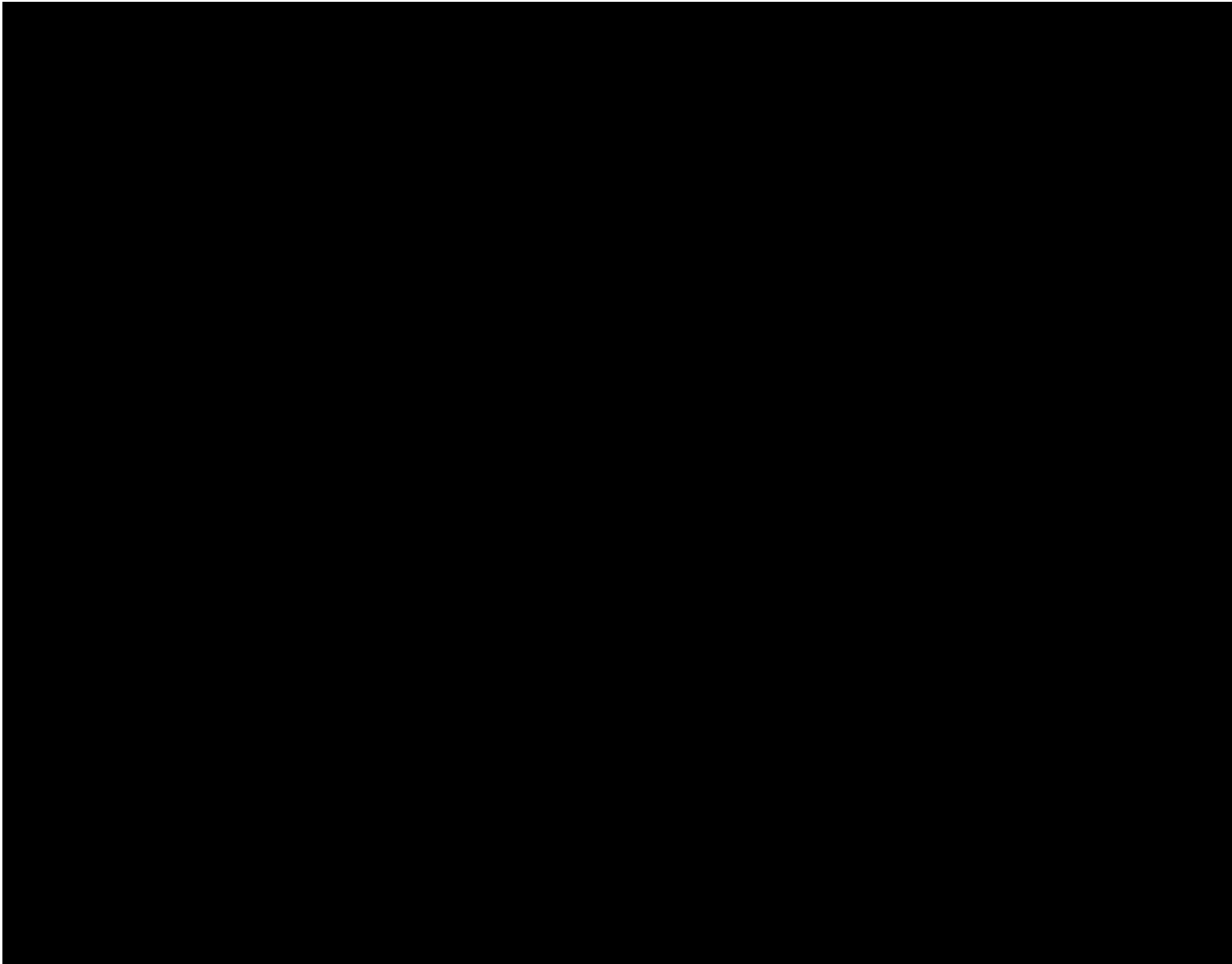






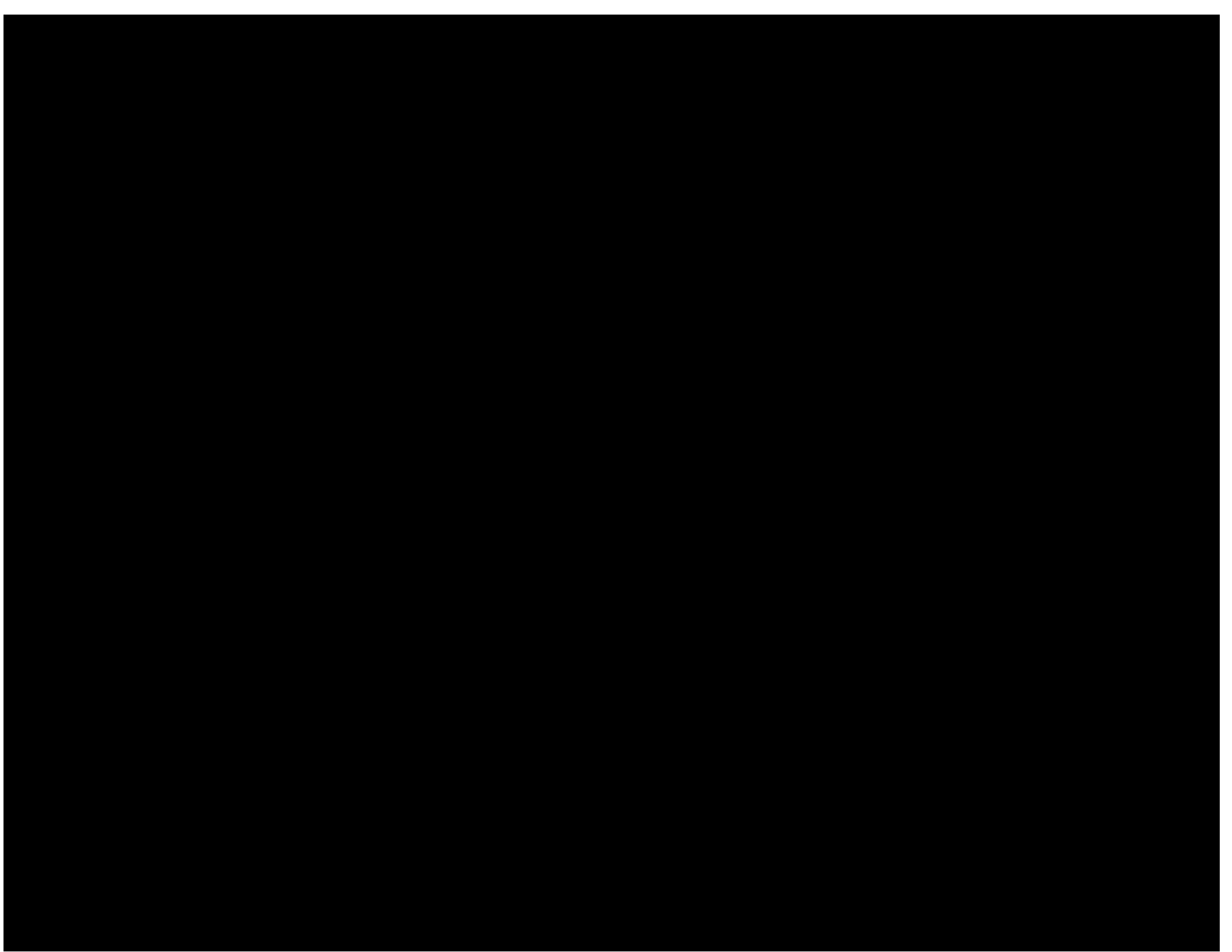


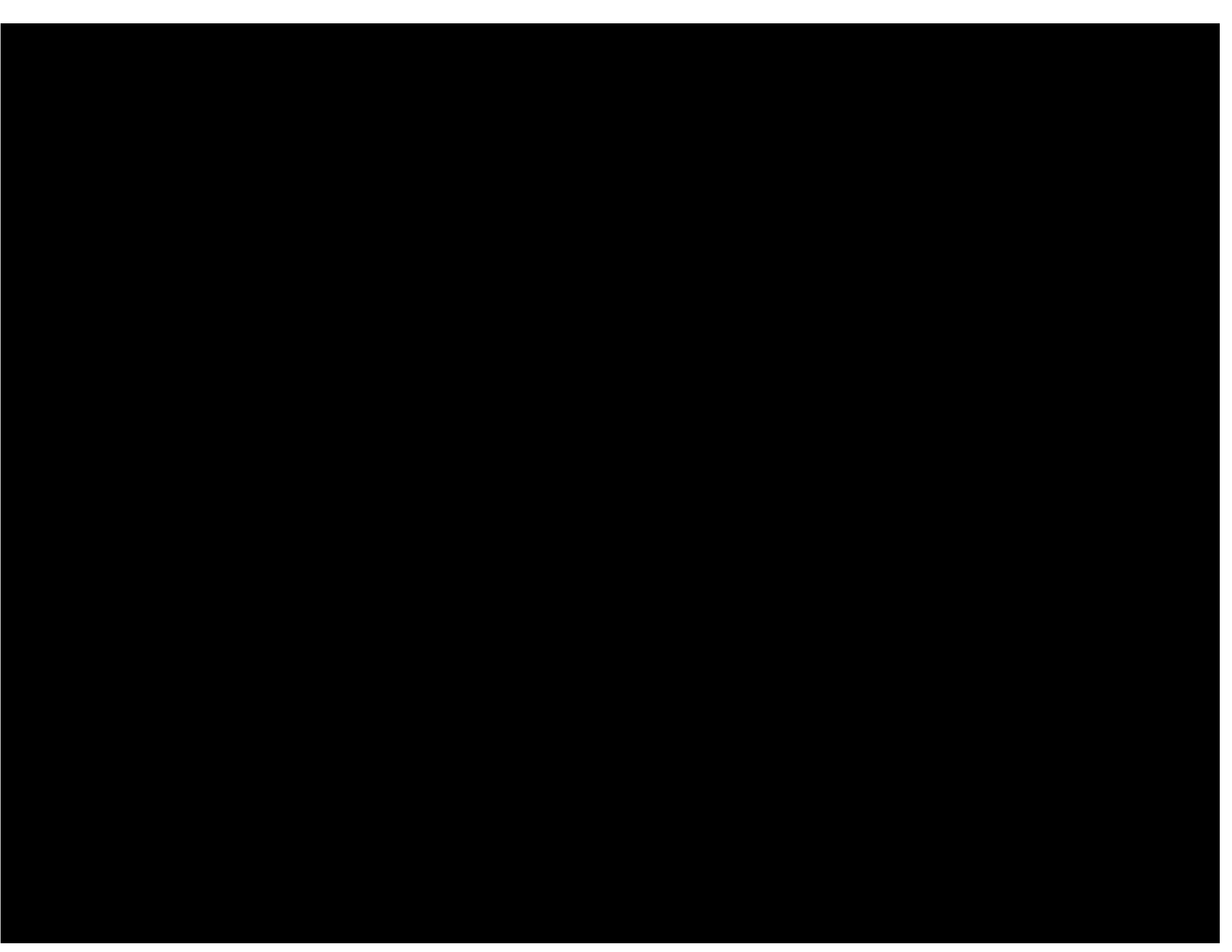


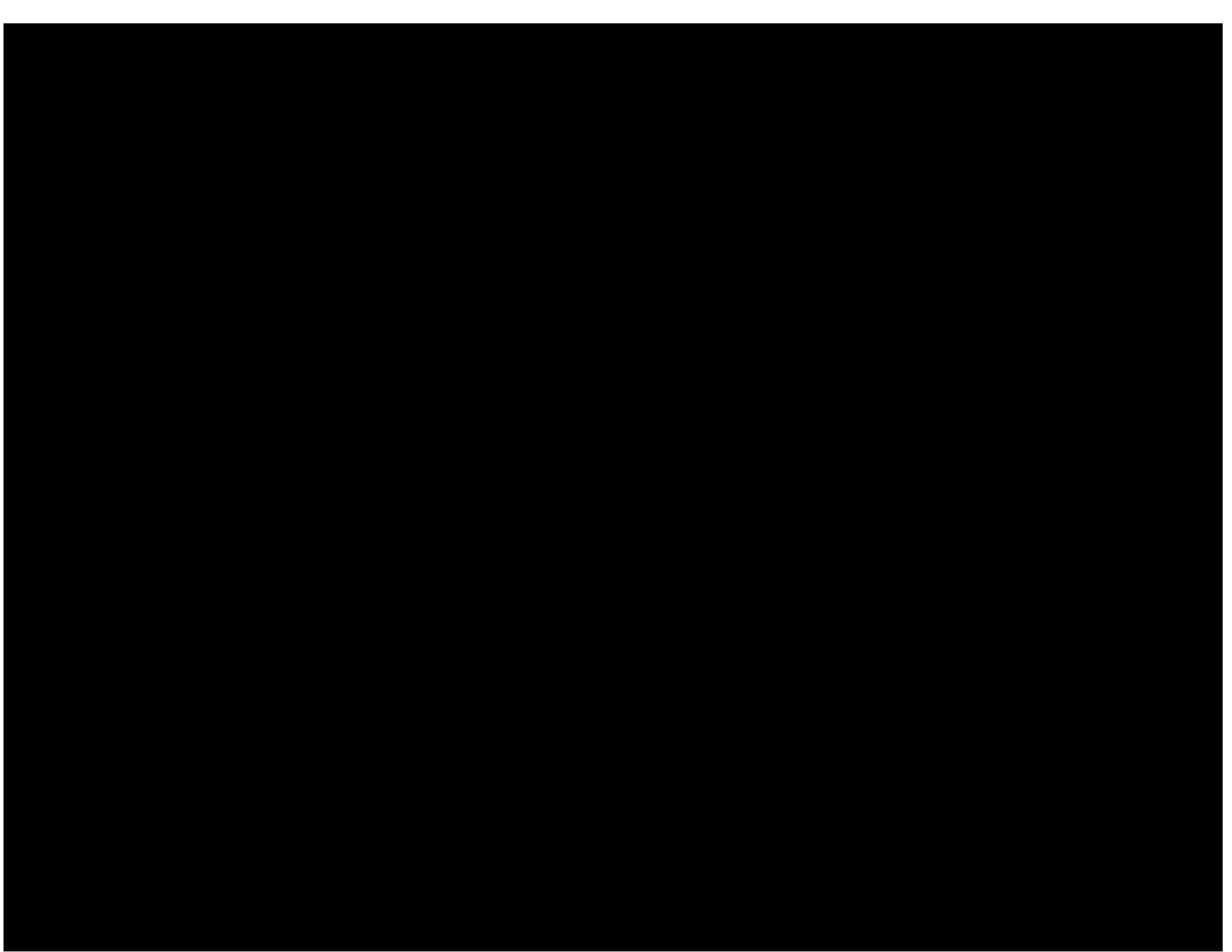


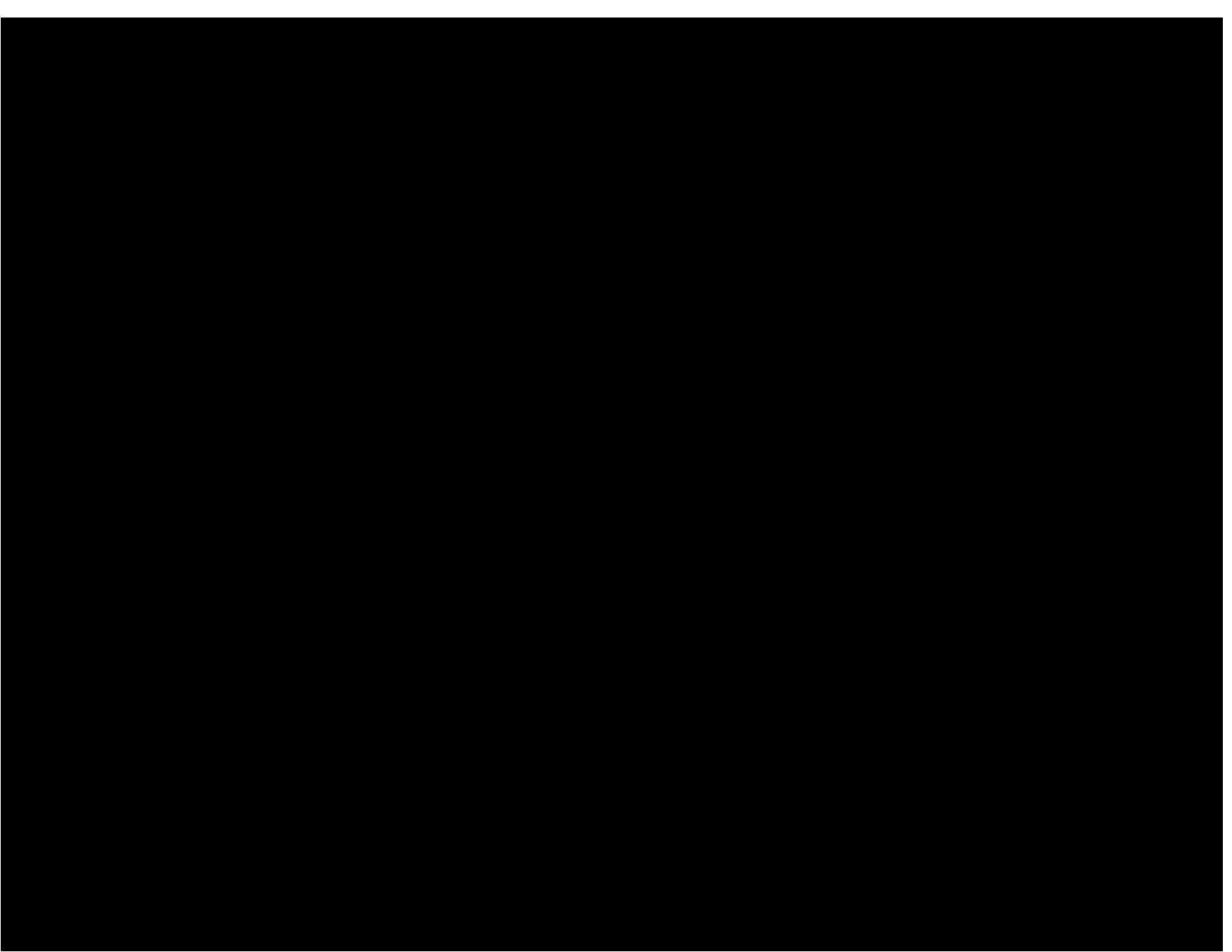


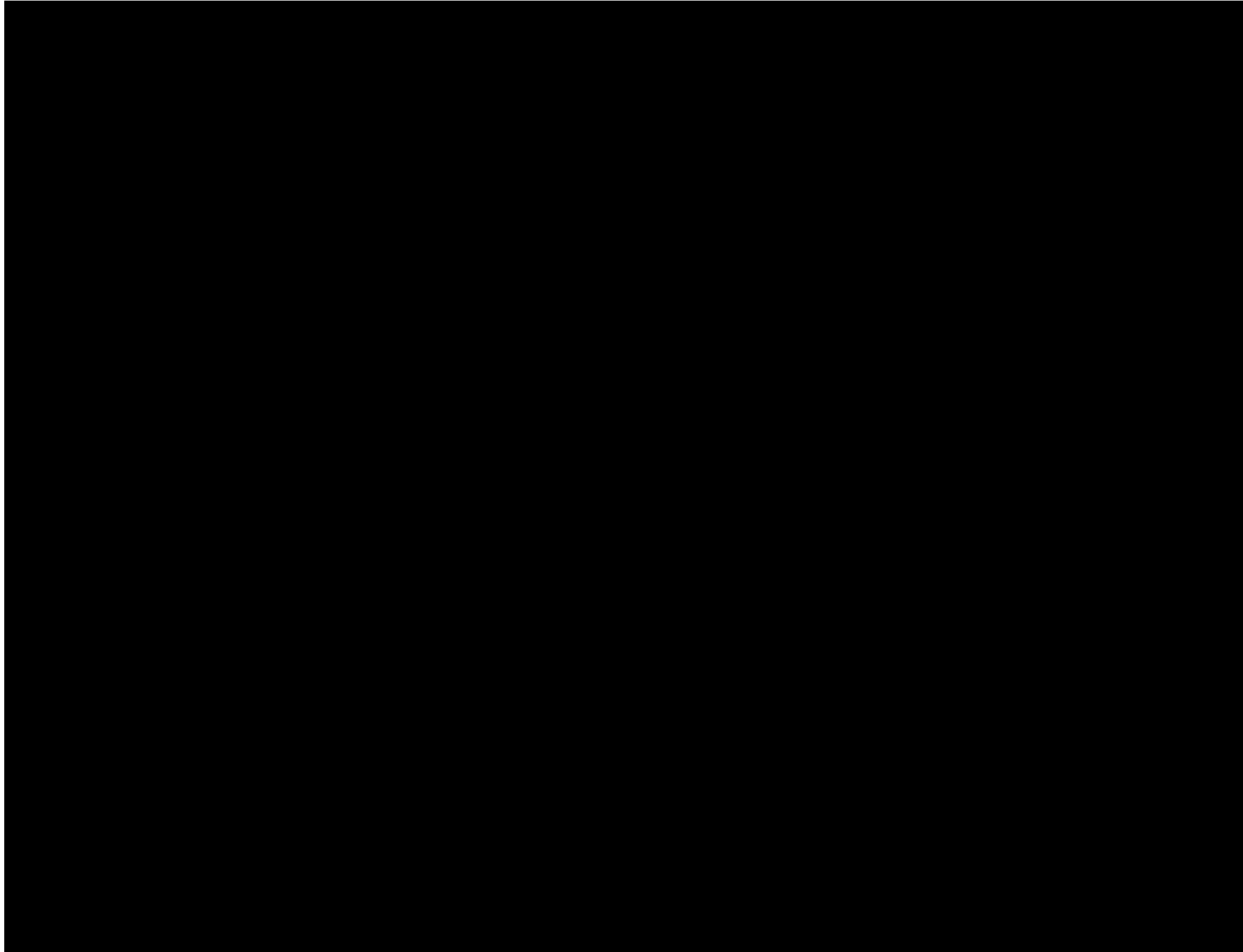


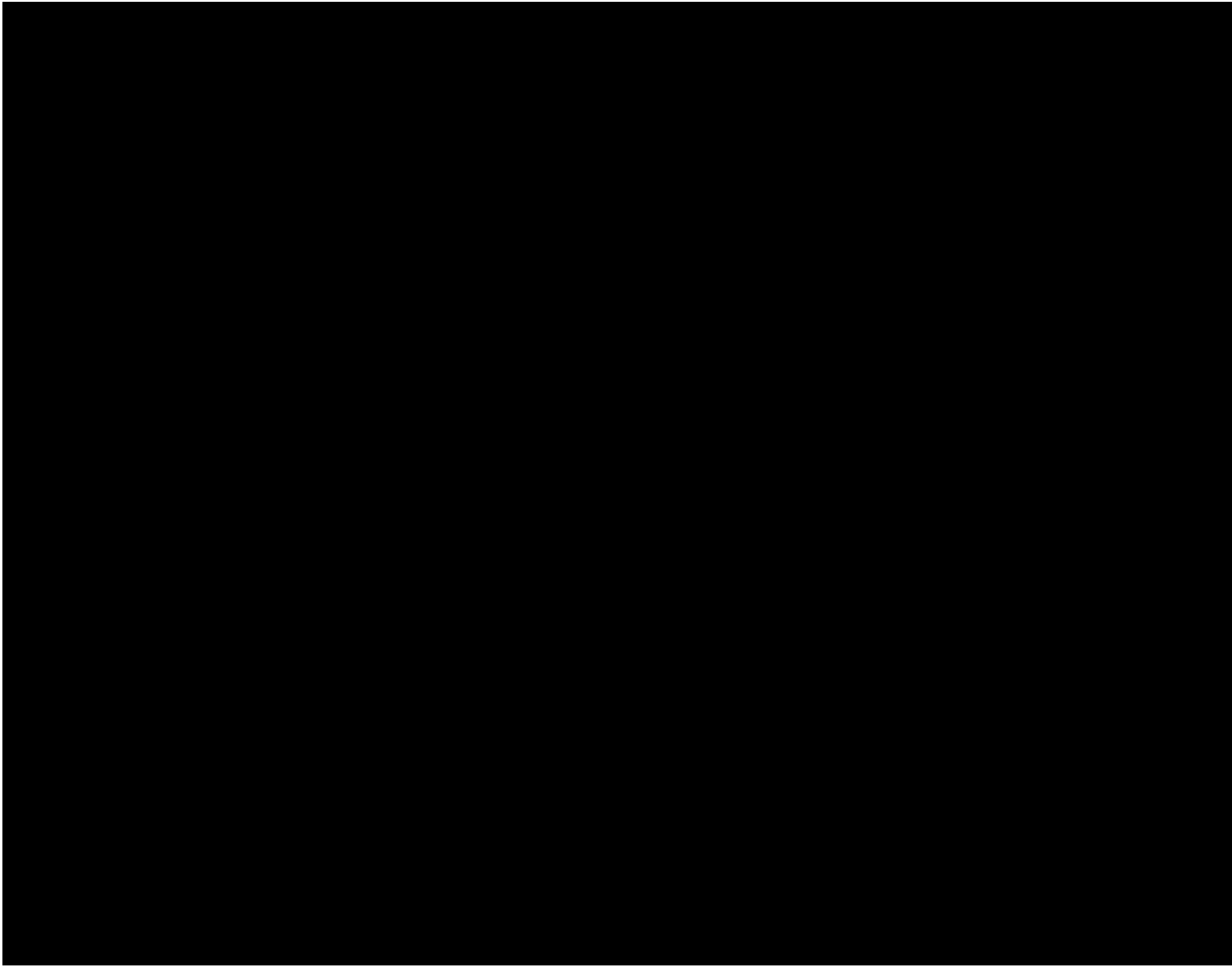








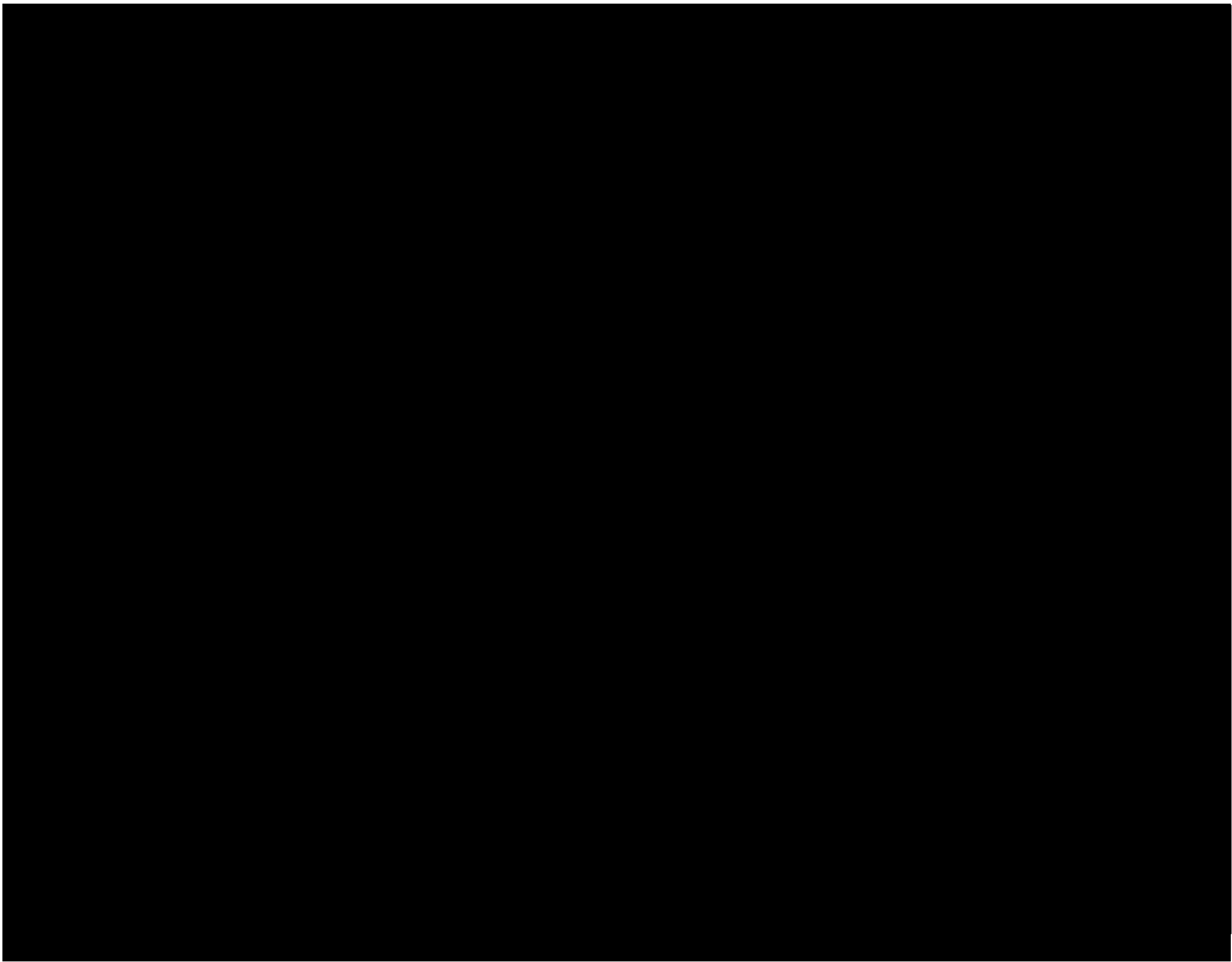




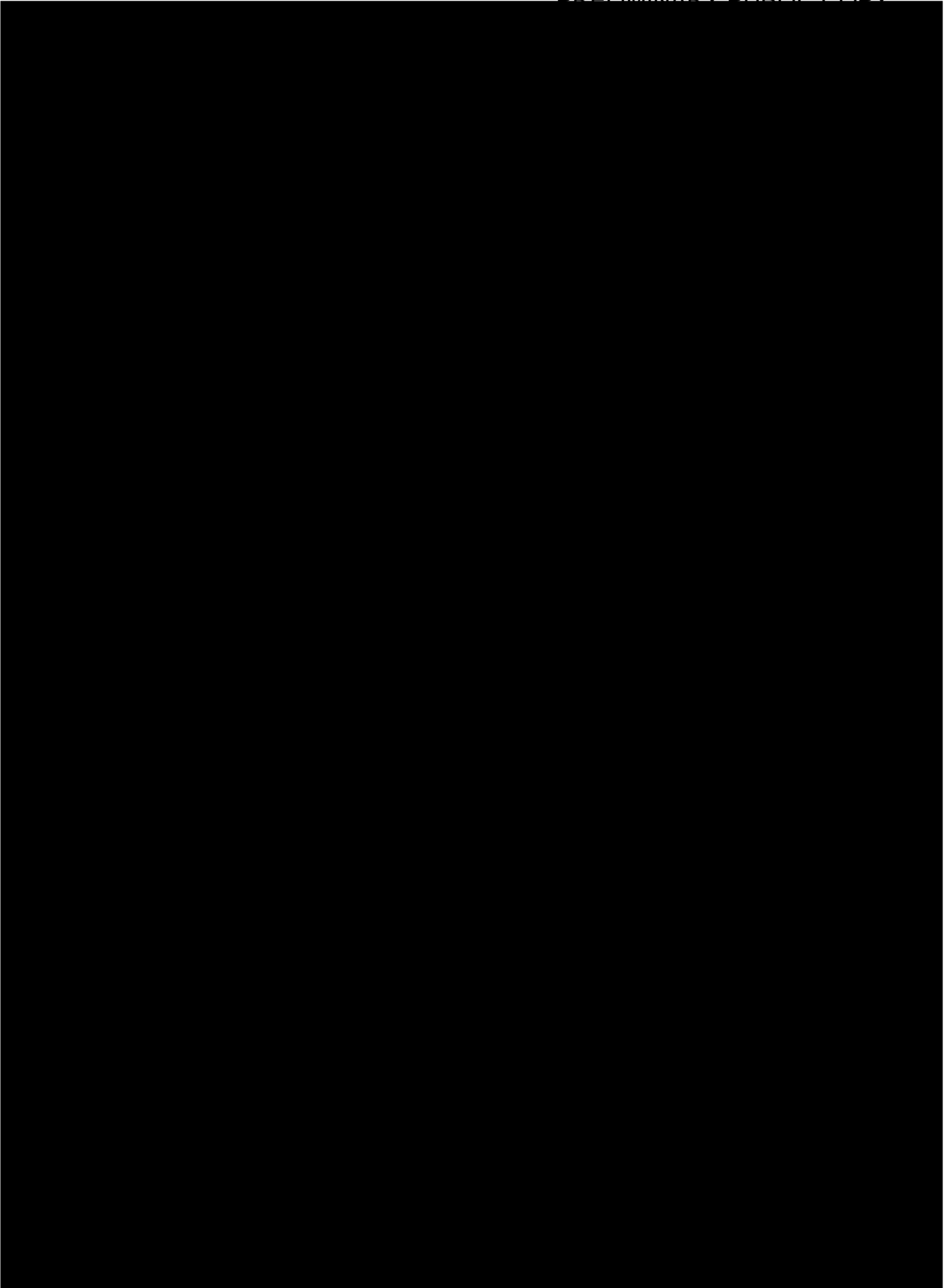


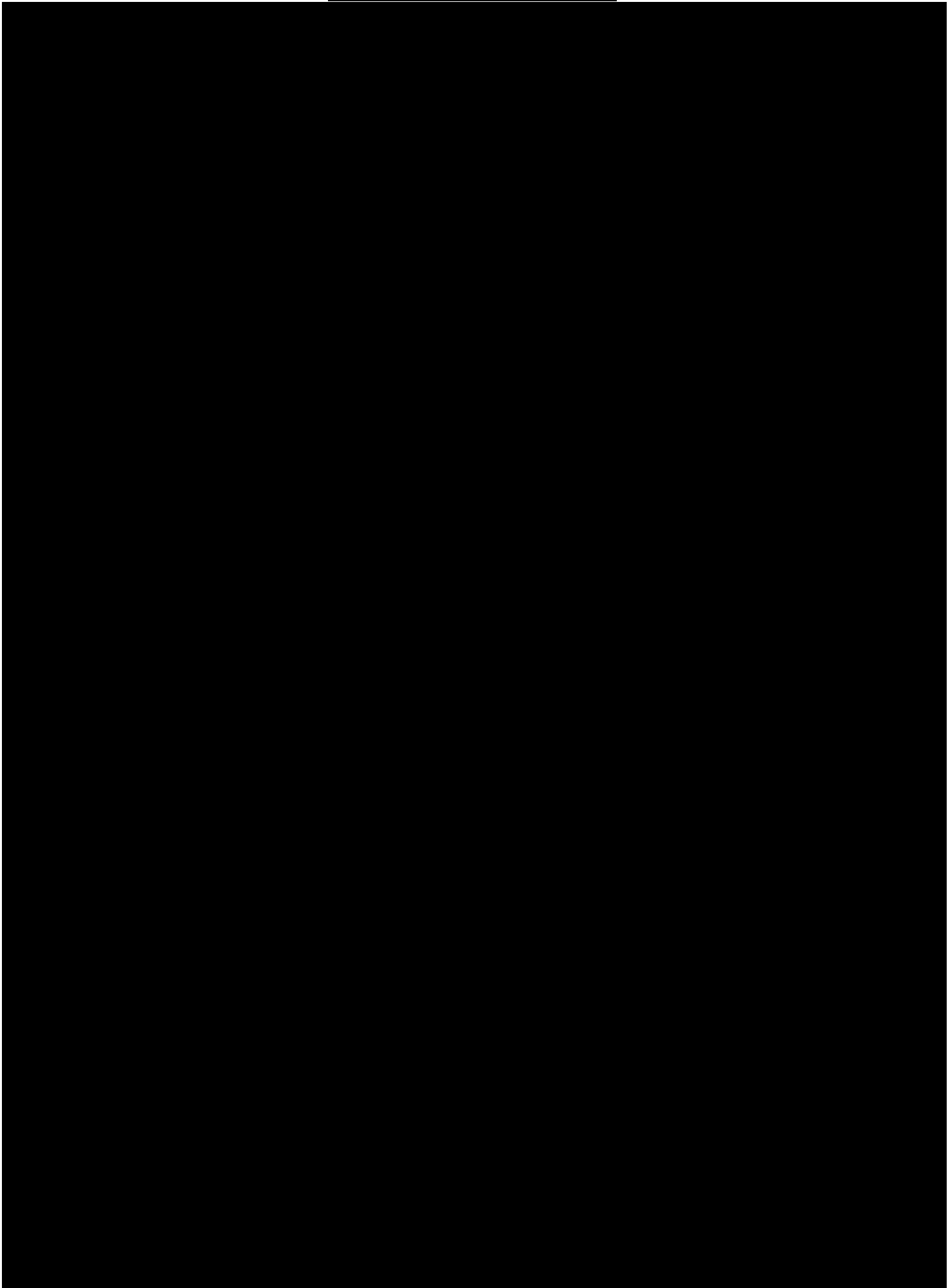


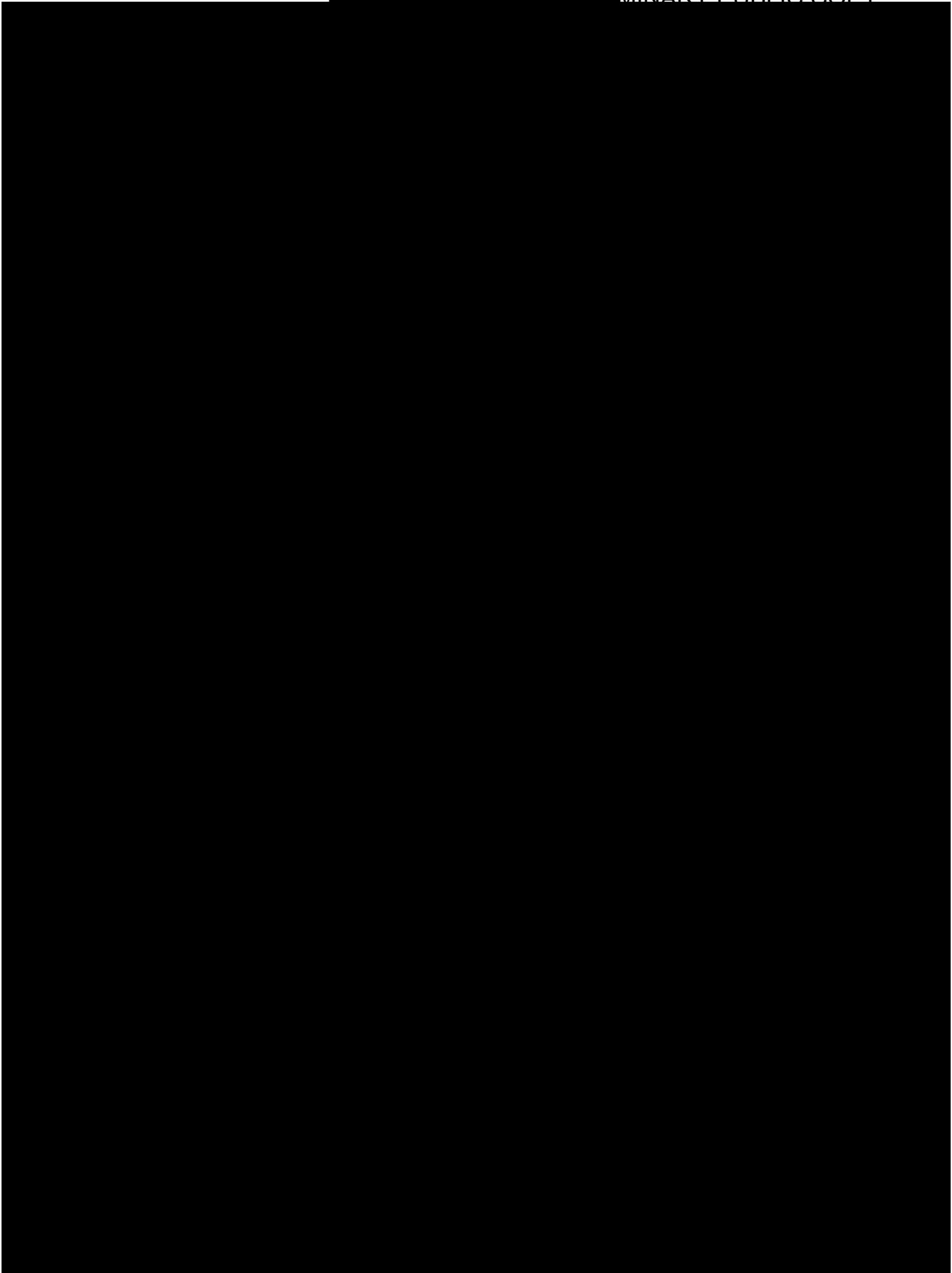


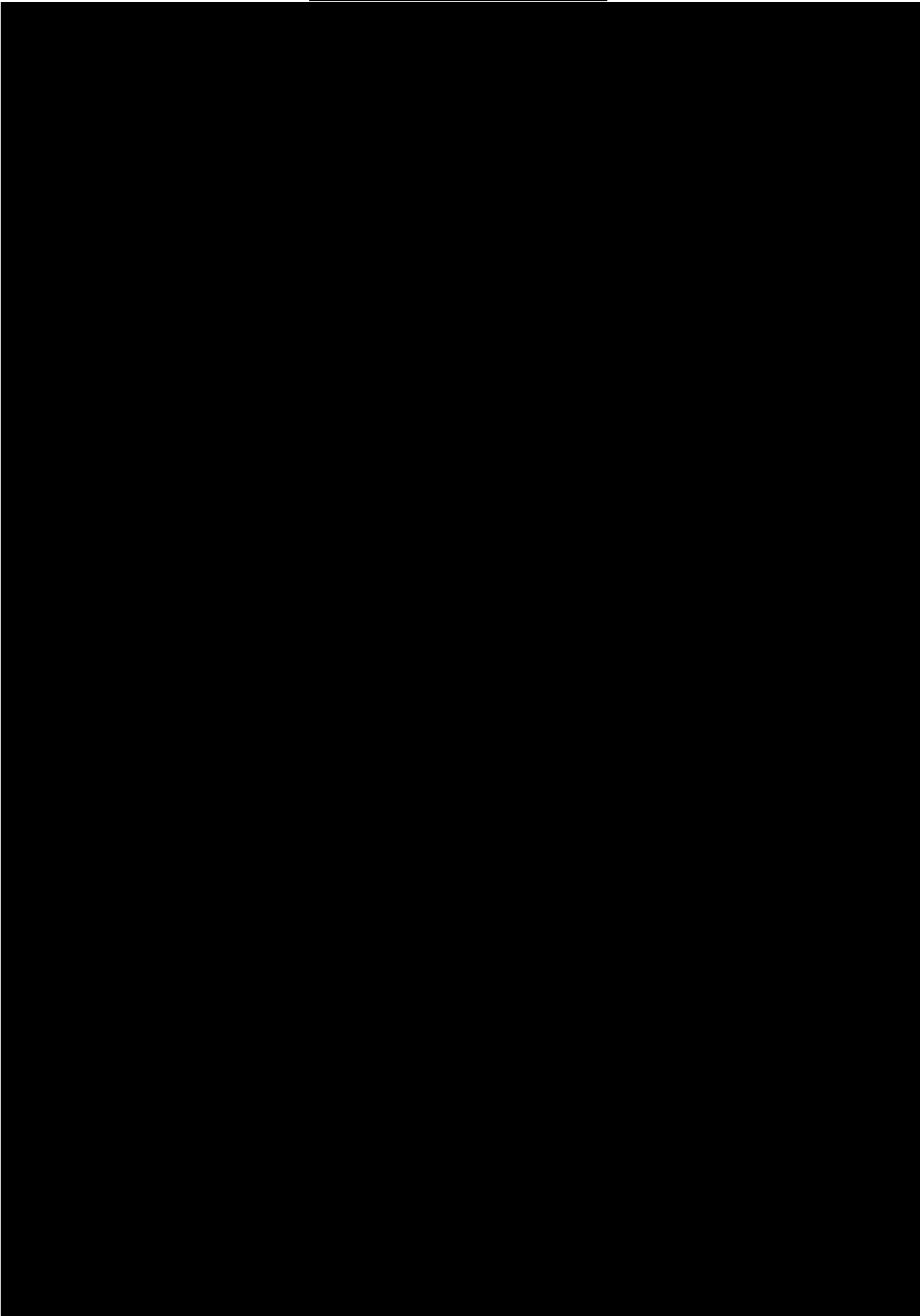


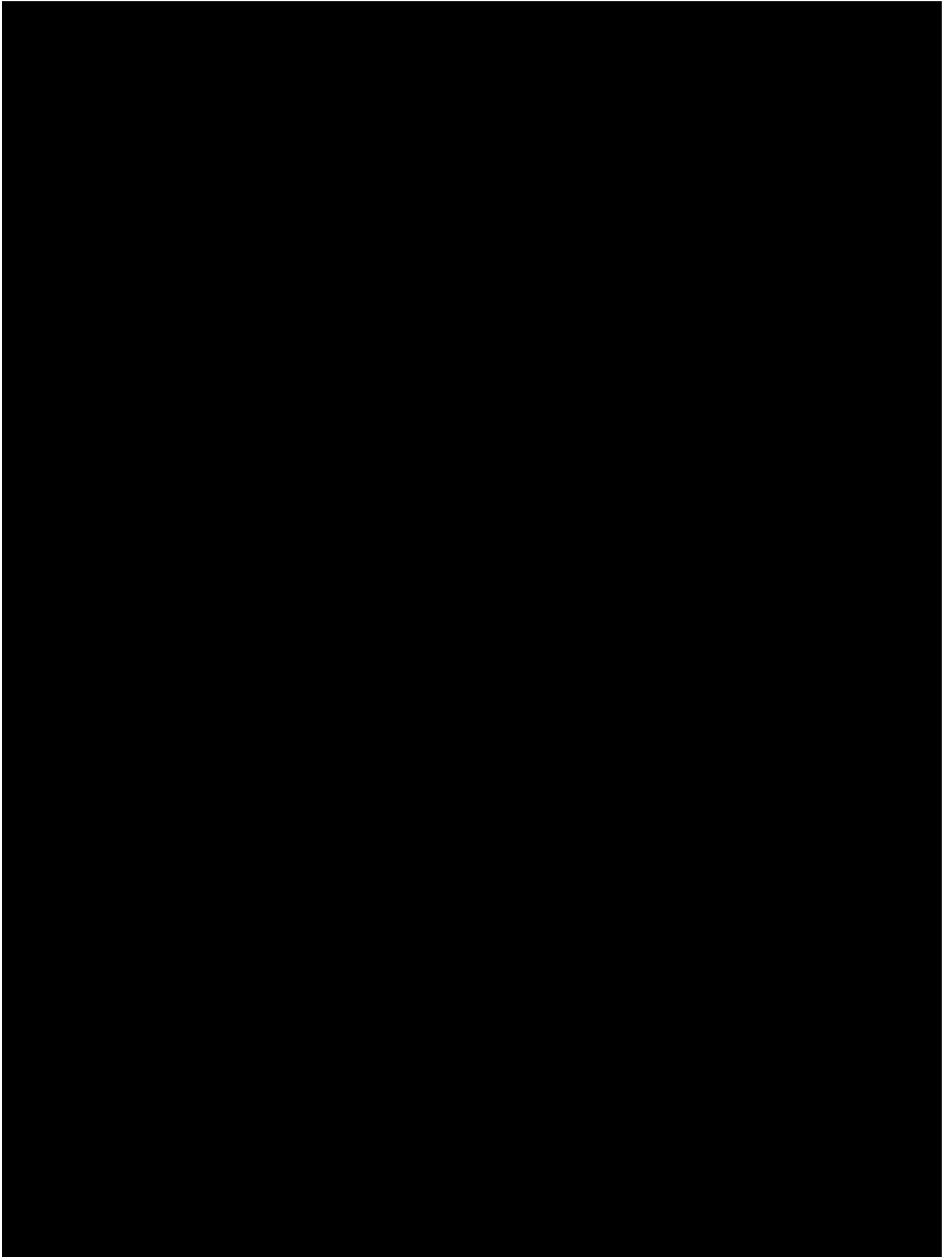


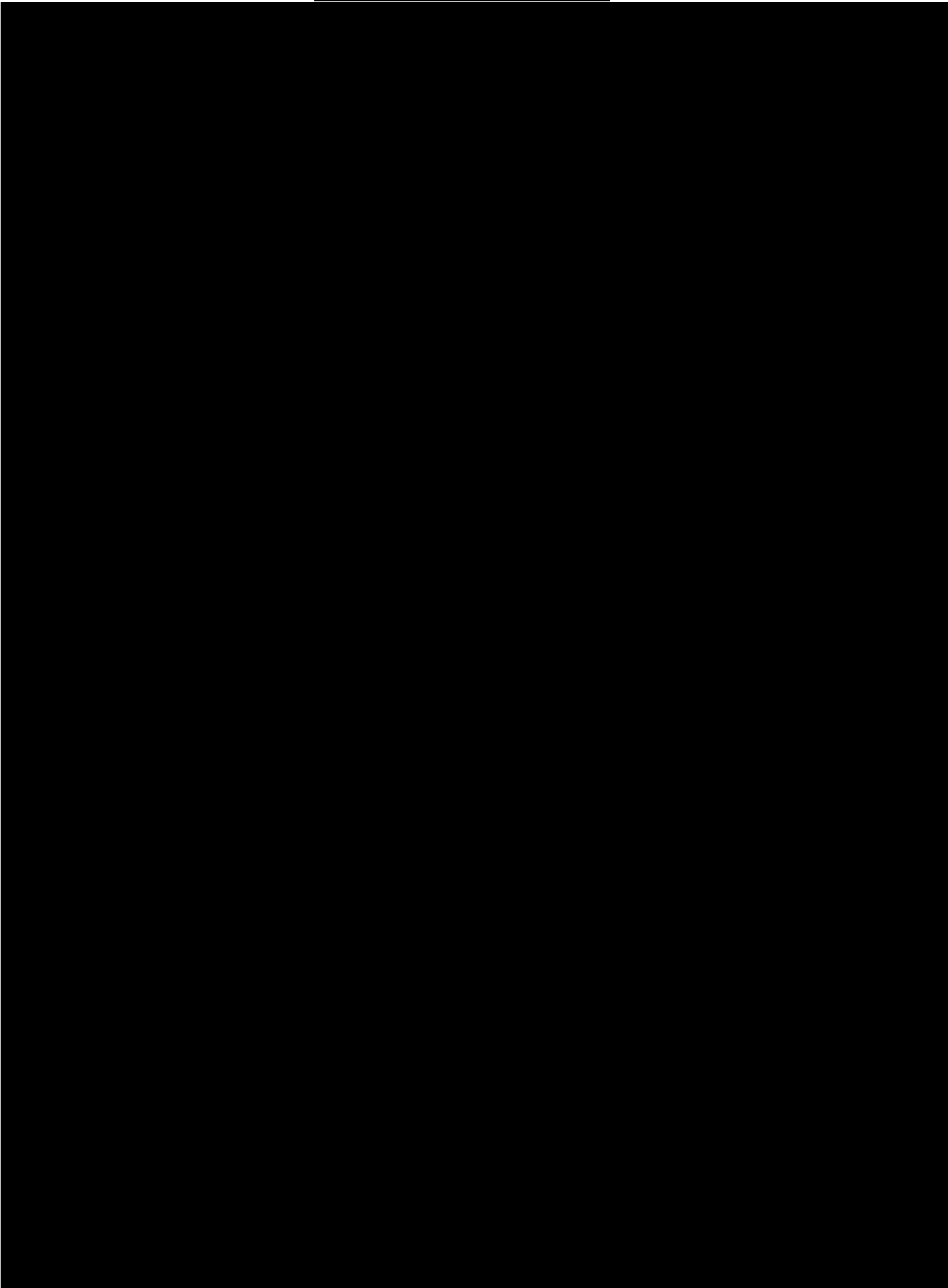


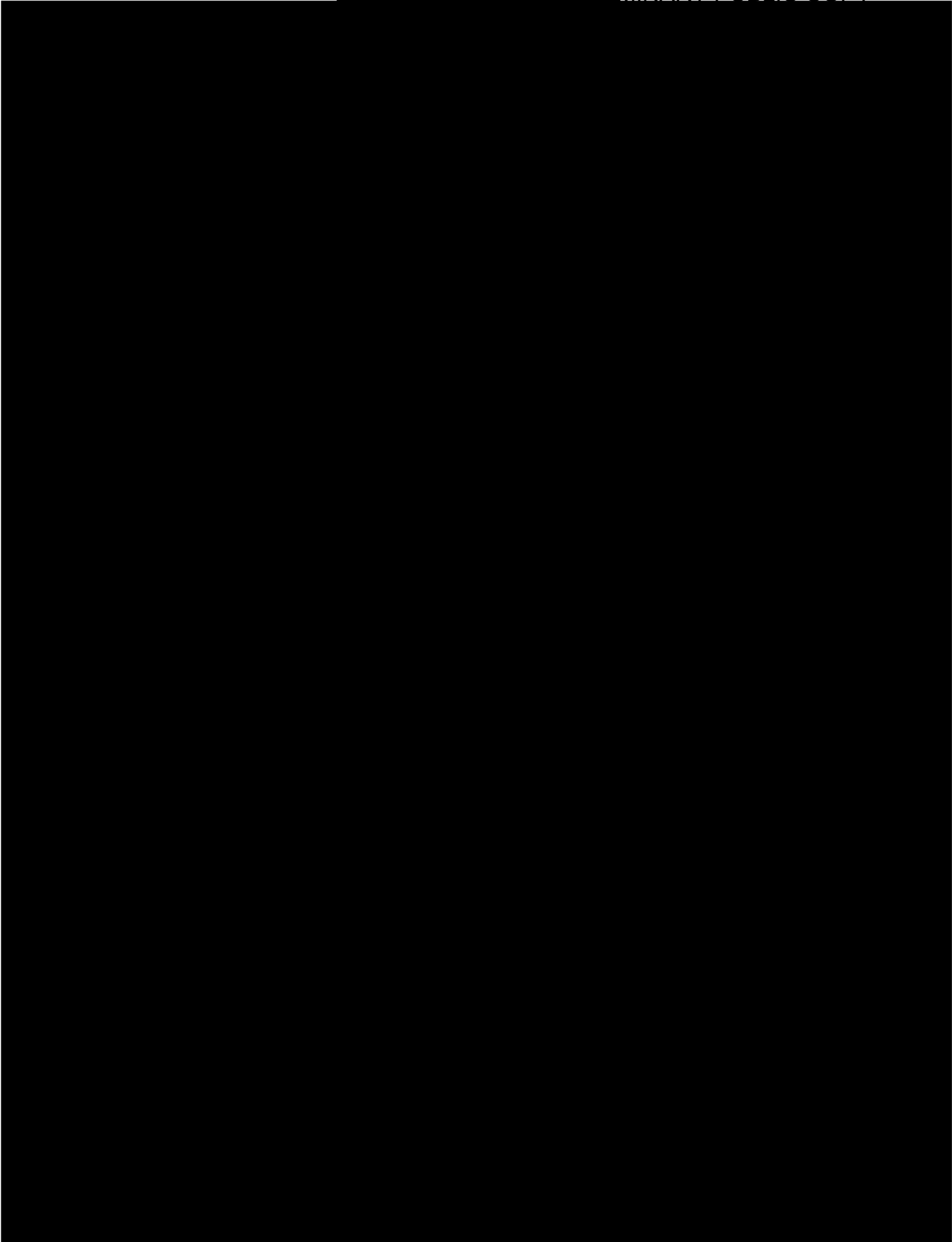


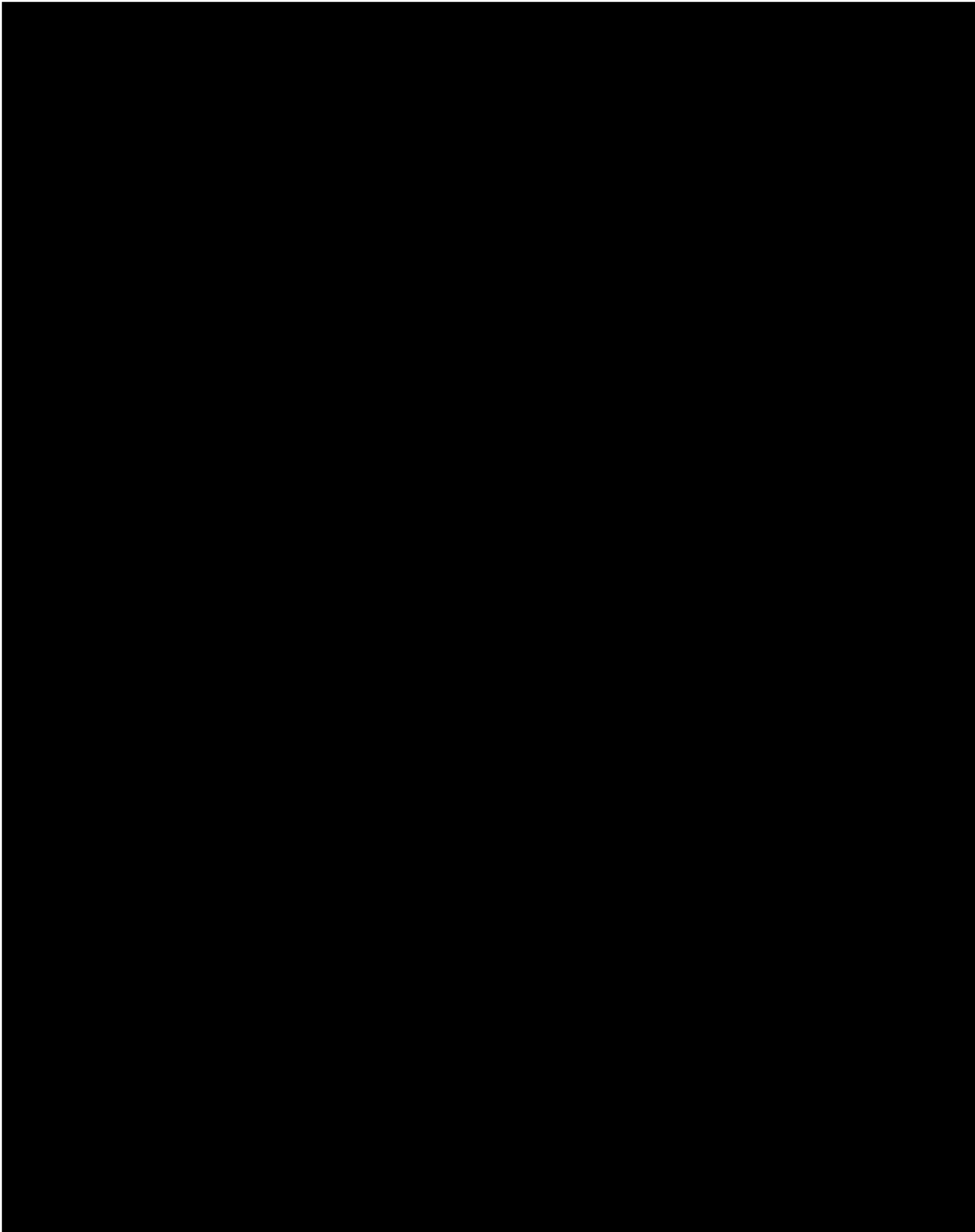


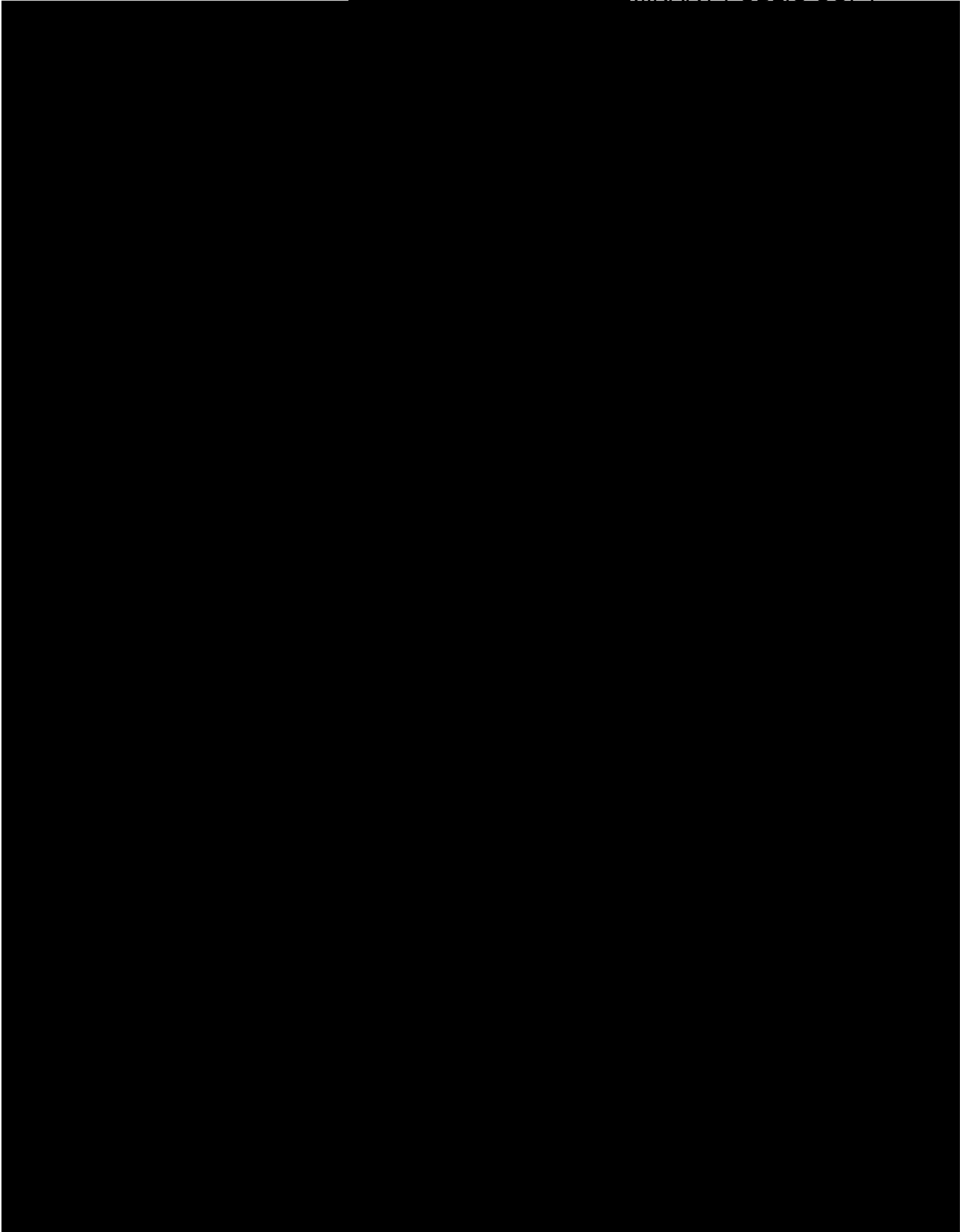


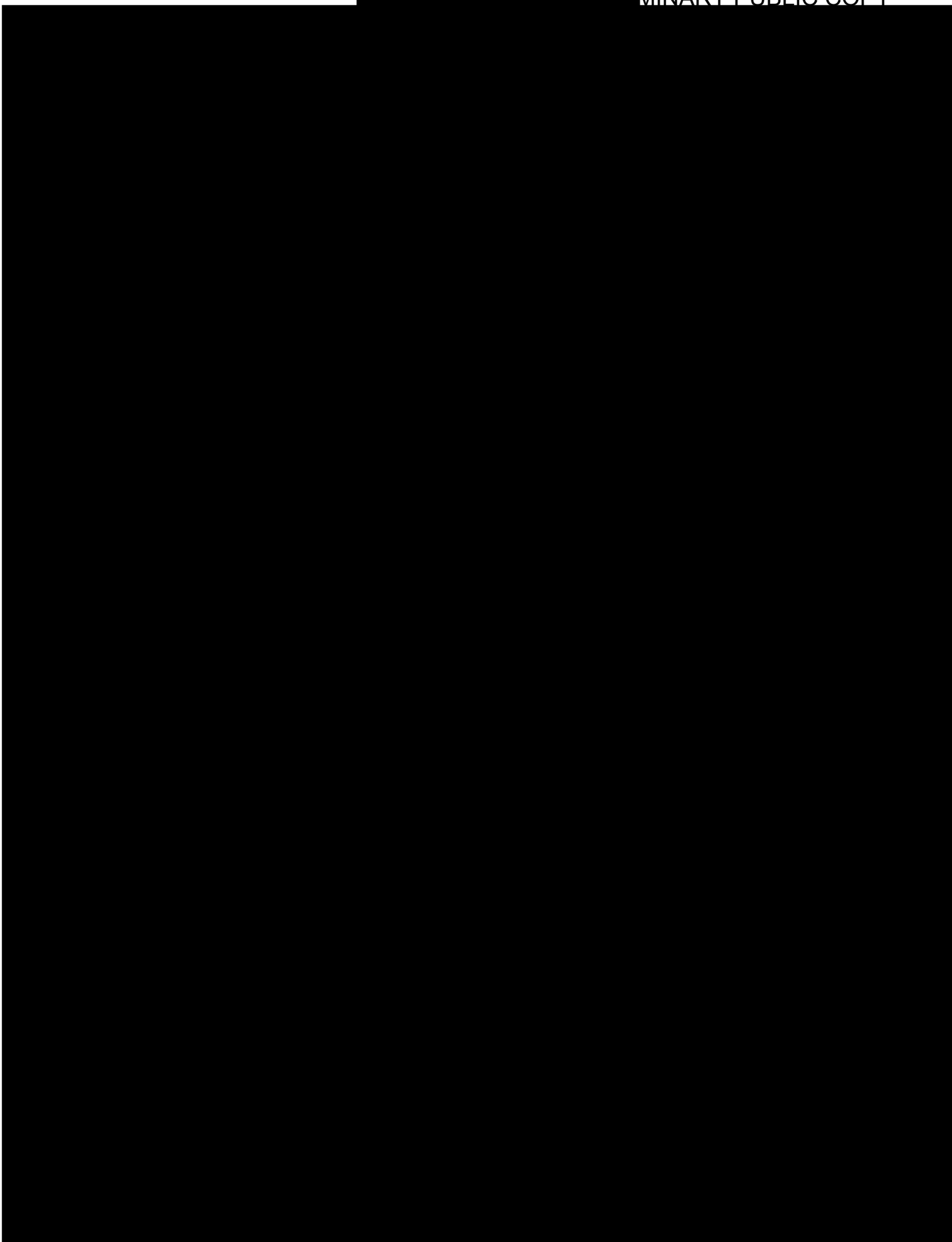


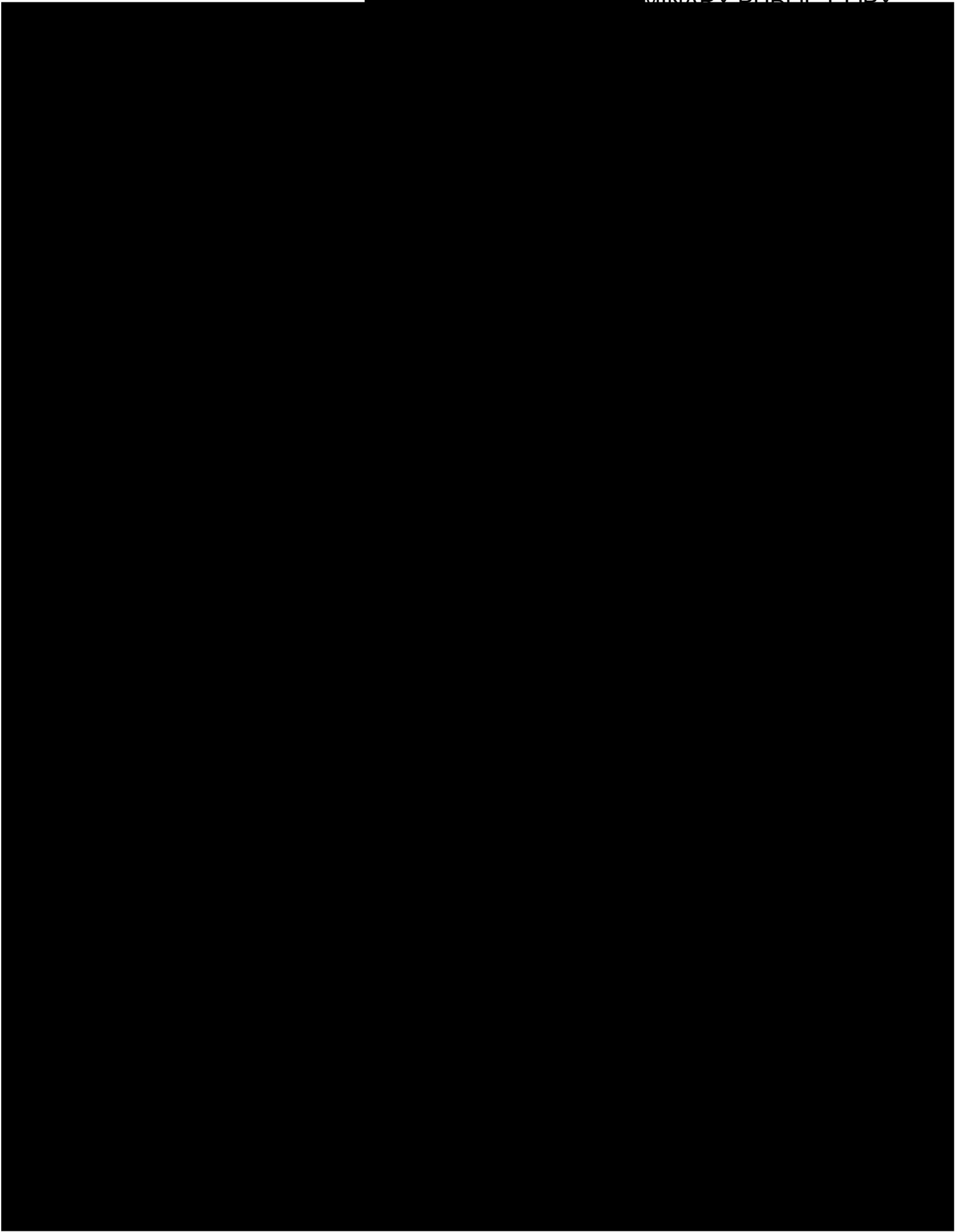


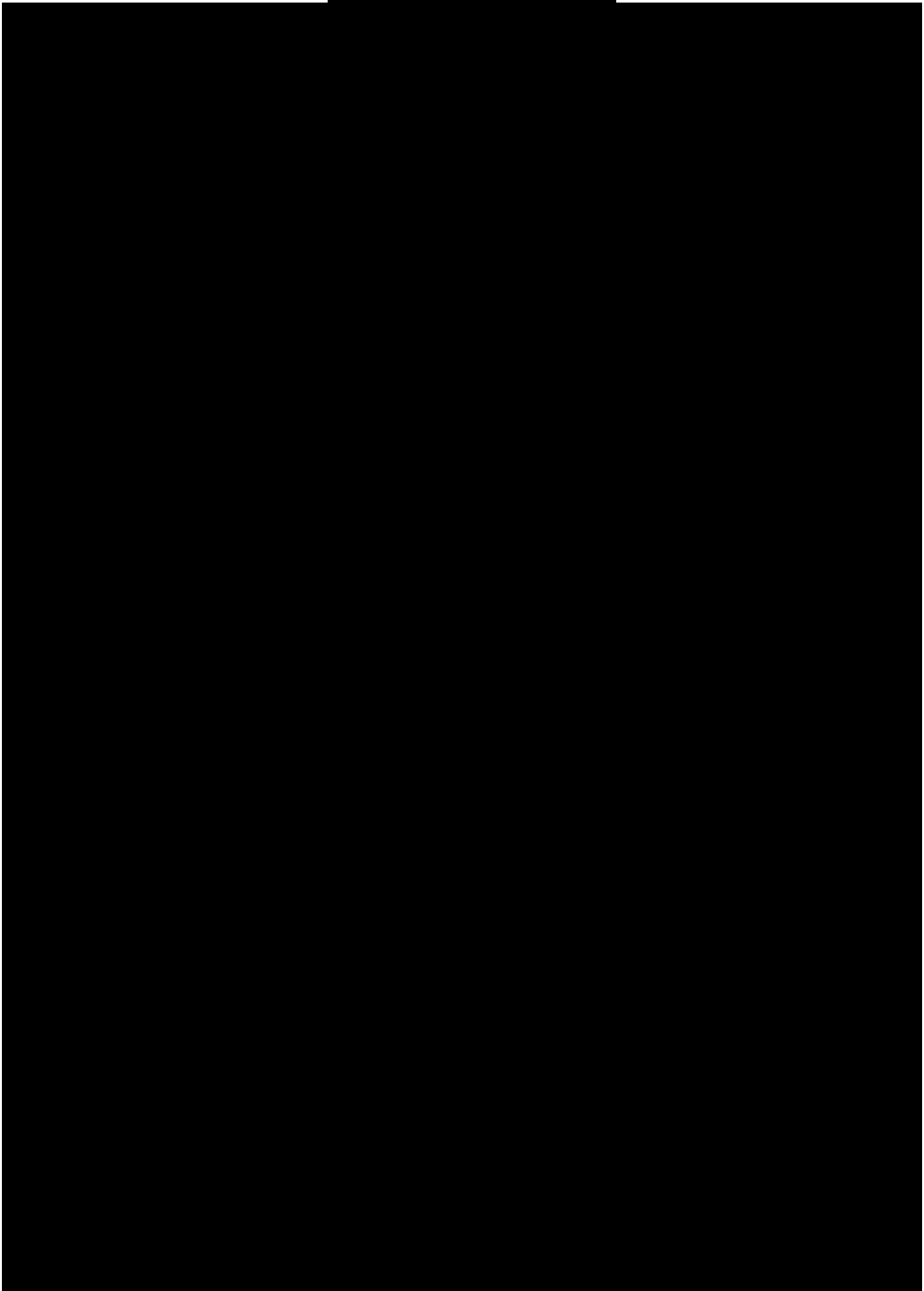












[REDACTED]

