EVERSOURCE

Operations Project Authorization Form

Project Title: Town Scorecard – Eastern Region	Project Number: CD02723
Date Prepared: 04/02/2026	**Company:** Eversource CT
Organization: Distribution Engineering	**Project Category:** RELIABILITY IMPROVE SPEC PROJ
Project Initiator: [redacted]	**Project Type:** Specific
Initiating Organization: Distribution	**Capital Investment part of original Op Plan:** Yes
Project Manager: [redacted]	**Emergency Related Request?** Yes
Project Sponsor: [redacted]	**Facility Type** (check all that apply)**:** ☐ PTF ☐ non-PTF ☒ Distribution ☐ N/A (General Plant)
Required in service date: 12/31/26	**NWS Excludable:** ☐ Yes ☒ No
Total Capital Request: $2,310.5K	**Authorization Type:** Full Funding

1. Executive Summary

Full Funding Request

CD02723 is being presented to request Full Funding approval for $2,310.5K. Partial Funding approval was given on 10/16/25 for $1,453.6K. The Full Funding estimate is 59% over the Partial Funding approved amount, or $856.9K. The reasons for this overage are as follows:

- The Direct Costs came in $207.1K higher than estimated.
- The Indirect Costs came in $649.8K higher than estimated.

This project addresses the Town Scorecard Initiative which identifies the top 10 worst performing towns in Eversource, CT for SAIDI and SAIFI. Project CD02723 addresses the worst performing SAIDI and SAIFI towns in the Eastern Region. There is one town in the Western Region (Sherman) on the top 10 list and is being addressed under CD02213. The one town in the Central Region (Union) was addressed under project CD02567.

The worst performing towns on the top 10 list in the Eastern Region are: Chaplin, East Haddam, Franklin, Haddam, North Branford, Salem, Sterling, Voluntown, Woodstock. Chaplin will be addressed under a separate project due to the nature of the reliability proposal. North Branford will be addressed under an annual workorder.

Reliability initiatives for the seven remaining towns in Eastern will be proposed in this project which will improve circuit performance and impact fewer customers for an event on the Eversource system. Using Benefit Cost Analysis, the most cost-effective solutions will be proposed.

2. Project Cost Summary

Note: Dollar values are in thousands.

Capital Costs	Year 2026	Year 2027	Year 2028	Total
Direct Capital Costs				
Internal Labor and Construction Equipment	196.6	0.0	0.0	196.6
Outside Services	32.7	0.0	0.0	32.7
Materials	751.0	0.0	0.0	751.0
Removals	213.7	0.0	0.0	213.7
Risk and Contingency	0.0	0.0	0.0	0.0
Other	0.0	0.0	0.0	0.0
Subtotal – Direct Costs	**1,194.1**	**0.0**	**0.0**	**1,194.1**
Indirect Capital Costs				
Indirect/Overheads (including benefits)	1,116.4	0.0	0.0	1,116.4
Capitalized interest or AFUDC, if any	0.0	0.0	0.0	0.0
Subtotal – Indirect Costs	**1,116.4**	**0.0**	**0.0**	**1,116.4**
Total Gross Capital Costs	**2,310.5**	**0.0**	**0.0**	**2,310.5**
Customer Contribution	**0.0**	**0.0**	**0.0**	**0.0**
Total Net Capital Project Costs	**2,310.5**	**0.0**	**0.0**	**2,310.5**

Explain unique payment provisions, if applicable:

3. Technical Justification

Background, Project Need/Justification, and Project Scope

a. Background

Out of the Top 10 SAIDI and SAIFI towns addressed under the Town Scorecard initiative, nine are in the Eastern Region. Of the 9 towns, there have been [redacted] events on [redacted] devices, for a total of 8,282,289 customer minutes interrupted. North Branford will be addressed under an annual workorder, and Chaplin will be addressed under a specific project due to the nature of the proposed reliability improvements. The remaining 7 towns will be addressed under this project with a recommended solution to reduce the number of customers impacted. The scorecard for each town is included in the appendix of this document.

b. Project Need

Reliability performance of the 9 towns in the Eastern Region that are being addressed have had multiple interruptions affecting many customers. A cost-effective solution to reduce the number of customers affected is needed.

c. Project Scope

[redacted]

4. Alternatives Considered

NWS *(remove unselected option)*

If NWS is not excludable, include NWS in Project Option Comparison table and remove NWS Exclusion Criteria table below:

Project Option Comparison

Design Criteria	Option		
	1 – Reduce Customer Zones	2 – Reconductor & Trim	3 – NWS
Required to meet project need			
Normal loads < 80% of UG rating	X	X	X
Normal loads < 90% of OH rating	X	X	X
Contingent loads < 100% of rating	X	X	X
Additional Benefits (not required to meet scope of project)			
All zones < 500 customers	X		
Authorization Type	Full	Partial	Partial
Capital Cost	$2.31M	$36.57M	$269.19M
Expense Cost	$.14M	$2.07M	$15.26M
Total Cost	$2.45M	$38.64M	$284.45M
Total Cost / CM Saved	$7.98/CMS	$125.99/CMS	$927.78/CMS
Total Cost / CI Saved	$994.20/CIS	$15,684.38/CIS	$115,513.50/CIS
Preferred option	X		

Option Summary

Option 1: Preferred – addresses reducing the number of customers in zones which will reduce the number of customers impacted for a fault condition. Using Benefit Cost Analysis, this option is preferred because this is the cheapest cost benefit solution while providing reliability improvement.

Option 2: Not preferred – [redacted]. Using Cost Benefit Analysis, this option is not recommended because this cost is 16 times higher than the preferred option and the reliability metrics ($/CM Saved, $/CI Saved) are very high.

Option 3: Not preferred – [redacted]. NWS estimate was calculated at $2M per MWh based on the two lowest of three contractor bids received in Connecticut. This option is not recommended because it is the least cost-effective option, and the fault must occur in a specific zone to provide a benefit.

5. Project Schedule

Add any additional milestones that are pertinent to the project

Milestone/Phase Name	Estimated Date
Partial Approval	10/16/25
100% Detailed Engineering Completion	3/23/26
Fully Funded	4/2/26
Construction Start	4/6/26
In Service Date	12/31/26

6. Regulatory Decisions

7. Codes and Standards

8. Risk and Contingencies

Contingencies:

Risk Mitigation:

Risk Event	Risk Horizon	Likelihood of Occurrence	Risk Mitigation
Actual cost higher than estimated due to scope changes.	2026	Medium	Included contingency costs in the funding request. Perform detailed Field Analysis and walk down in project development to avoid potential issues.
Customer Permission / Siting Council / Municipal approvals	2026	Low	Design to minimize customer impact. Project Preplanning and customer/community outreach.
Internal construction resources not available to perform the work.	2026	Low	Plan internal resources to perform the work. Use competitive bidding to ensure lowest outside labor cost.
Internal engineering resources not available to perform the work.	2026	Low	Plan internal resources to perform the work. Use competitive bidding to ensure lowest outside labor cost.
Materials Shortage or long lead times	2026	Low	Pre-order long lead time material; minimize the use of non-standard and non-stocked material.
Storm delays	2026	Low	If storm activity delays work, we may be forced to use external resources.
System abnormal configuration	2026	Low	Schedule work to minimize system abnormal time. Install temporary bypasses/equipment if system will be abnormal for extended periods.
Technological risks involving integration of new technology	2026	Low	Before use of new technology ensure support of standards and manufacturer. Schedule project to accommodate for extra time or ensure new technology is not on the critical path.

Wetlands / Environmentally sensitive area	2026	Low	Use of mats and specialty equipment, only work during certain times of the year.

9. References

References
1.
2.
3.
4.
5.

10. Attachments (One Line Diagrams, Images, etc.)

Attachment	Included in Submittal?
A. Cost Estimate (see Partial PAF attached)	*YES*
B. Circuit One-Lines (see Partial PAF attached)	*YES*
C. Geographic Circuit Maps (see Partial PAF attached)	*YES*
D. Load Sheet *(Only for circuits with expanded zones)* (see Partial PAF attached)	*YES*
E. Town Scorecards (see Partial PAF attached)	*YES*

EVERSOURCE

Operations Project Authorization Form

Partial PAF

Project Title: Town Scorecard – Eastern Region	**Project Number: CD02723**
Date Prepared: 10/16/2025	**Company:** Eversource CT
Organization: Distribution Engineering	**Project Category:** RELIABILITY IMPROVE SPEC PROJ
Project Initiator: [redacted]	**Project Type:** Specific
Initiating Organization: Distribution	**Capital Investment part of original Op Plan:** Yes
Project Manager: [redacted]	**Emergency Related Request?** No
Project Sponsor: [redacted]	**Facility Type** (check all that apply)**:** ☐ PTF ☐ non-PTF ☒ Distribution ☐ N/A (General Plant)
Required in service date: 12/31/26	**NWS Excludable:** ☐ Yes ☒ No
Total Capital Request: 1,453.6K	**Authorization Type:** Partial Funding

11. Executive Summary

This project addresses the Town Scorecard Initiative which identifies the top [redacted] worst performing towns in Eversource, CT, for SAIDI and SAIFI. Project CD02723 addresses the worst performing SAIDI and SAIFI towns in the Eastern Region. There is one town in the Western Region (Sherman) on the top 10 list and is being addressed under CD02213. The one town in the Central Region (Union) was addressed under project CD02567.

The worst performing towns on the top 10 list in the Eastern Region are: Chaplin, East Haddam, Franklin, Haddam, North Branford, Salem, Sterling, Voluntown, Woodstock. Chaplin and North Branford will be addressed under separate projects due to the nature of the reliability proposal.

Reliability initiatives for the seven remaining towns in Eastern will be proposed in this project which will improve circuit performance and impact fewer customers for an event on the Eversource system. Using Benefit Cost Analysis, the most cost-effective solutions will be proposed.

2. Project Cost Summary

Note: Dollar values are in thousands.

Capital Costs	Year 2026	Year 2027	Year 2028	Total
Internal Labor and Construction Equipment	76.0	0.0	0.0	76.0
Outside Services	515.4	0.0	0.0	515.4
Materials	206.7	0.0	0.0	206.7
Removals	181.9	0.0	0.0	181.9
Other	7.0	0.0	0.0	7.0
Risk and Contingency	0.0	0.0	0.0	0.0
Subtotal	**987.0**	**0.0**	**0.0**	**987.0**

Indirect Capital Costs	2026	2027	2028	Total
Indirects/Overheads (including benefits)	437.7	0.0	0.0	437.7
Capitalized interest or AFUDC, if any	28.9	0.0	0.0	28.9
Subtotal	**466.6**	**0.0**	**0.0**	**466.6**
Total Capital Costs (Gross)	**1,453.6**	**0.0**	**0.0**	**1,453.6**
Less Total Customer Contribution	**0.0**	**0.0**	**0.0**	**0.0**
Project Costs (Net)	**1,453.6**	**0.0**	**0.0**	**1,453.6**

Explain unique payment provisions, if applicable:

3. Technical Justification

Background, Project Need/Justification, and Project Scope

a. Background

Out of the Top 10 SAIDI and SAIFI towns addressed under the Town Scorecard initiative, nine are in the Eastern Region. Of the 9 towns, there have been [redacted], for a total of 8,282,289 customer minutes interrupted. North Branford will be addressed under an annual workorder, and Chaplin will be addressed under a specific project due to the nature of the proposed reliability improvements. The remaining 7 towns will be addressed under this project with a recommended solution to reduce the number of customers impacted. The scorecard for each town is included in the appendix of this document.

b. Project Need

Reliability performance of the 9 towns in the Eastern Region that are being addressed have had multiple interruptions affecting many customers. A cost-effective solution to reduce the number of customers affected is needed.

c. Project Scope

[redacted]

4. Alternatives Considered

Project Option Comparison

Design Criteria	Option		
	1 – Reduce Cust Zones	2 – Reconductor & Trim	3 – NWS
Required to meet project need			
Normal loads < 80% of UG rating	X	X	X
Normal loads < 90% of OH rating	X	X	X
Contingent loads < 100% of rating	X	X	X
Additional Benefits (not required to meet scope of project)			
All zones < 500 customers	X		
Authorization Type	Partial	Partial	Partial
Capital Cost	$1.45M	$23.0M	$169.3M
Expense Cost	$0.09M	$1.3M	$9.6M
Total Cost	$1.54M	$24.3M	$178.9M
Total Cost / CM Saved	$5.02/CMS	$79.24/CMS	$583.51/CMS
Total Cost / CI Saved	$625.28/CIS	$9,864.39/CIS	$72,650/CIS
Preferred option	X		

Option Summary

Option 1: Preferred – addresses reducing the number of customers in zones which will reduce the number of customers impacted for a fault condition. Using Cost Benefit Analysis, this option is preferred because this is the cheapest cost benefit solution while providing reliability improvement.

Option 2: Not preferred – [redacted] Using Cost Benefit Analysis, this option is not recommended because this cost is 16 times higher than the preferred option and the reliability metrics ($/CM Saved, $/CI Saved) are very high.

Option 3: Not preferred – [redacted] NWS estimate was calculated at $2M per MWh based on the two lowest of three contractor bids received in Connecticut. This option is not recommended because it is the least cost-effective option, and the fault must occur in a specific zone to provide a benefit.

5. Project Schedule

Add any additional milestones that are pertinent to the project

Milestone/Phase Name	Estimated Date
Partial Approval	10/16/25
100% Detailed Engineering Completion	12/31/25
Fully Funded	2/28/26
Construction Start	5/1/26
In Service Date	12/31/26

6. Regulatory Decisions

7. Codes and Standards

8. Risk and Contingencies

Contingencies:

Risk Mitigation:

Risk Event	Risk Horizon	Likelihood of Occurrence	Risk Mitigation
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Internal engineering resources not available to perform the work.	2026	Low	Plan internal resources to perform the work. Use competitive bidding to ensure lowest outside labor cost.
Materials Shortage or long lead times	2026	Low	Pre-order long lead time material; minimize the use of non-standard and non-stocked material.
Storm delays	2026	Low	If storm activity delays work, we may be forced to use external resources.
System abnormal configuration	2026	Low	Schedule work to minimize system abnormal time. Install temporary bypasses/equipment if system will be abnormal for extended periods.
Technological risks involving integration of new technology	2026	Low	Before use of new technology ensure support of standards and manufacturer. Schedule project to accommodate for extra time or ensure new technology is not on the critical path.

Wetlands / Environmentally sensitive area	2026	Low	Use of mats and specialty equipment, only work during certain times of the year.

9. References

References
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3.
4.

10. Attachments (One Line Diagrams, Images, etc.)

Attachment	Included in Submittal?
A. Cost Estimate	*YES*
B. Circuit One-Lines	*YES*
C. Geographic Circuit Maps	*YES*
D. Load Sheet (Only for circuits with expanded zones)	*YES*
E. Town Scorecards	*YES*

Attachment A: Cost Estimate – Preferred Option

Connecticut Light & Power
A Northeast Utilities Company

Specific Project Proposal - Project #: CD02723
Town Scorecard Improvements - Eastern

Work Classification

Category: Line
Type: REL1
Type Desc: RELIABILITY IMPROVE SPEC PROJ
Work Type:

Ownership / Management

AWC: New London
Statewide: No
Owner: [redacted]
Manager:

Project Information

Status: Draft
SPS #:
AIS Score:
Associated Projects:
Assignment ID:
Patrol Find ID:

Budget Summary - Preferred Option

All 7 towns

2026

ID	Title	Status	Rev #	Contingency	Expenditure Amount	Net Estimate
1	[redacted]	Draft	0	24%	$298,017	$298,017
2		Draft	0	24%	$268,043	$268,043
3		Draft	0	24%	$274,002	$274,002
4		Draft	0	24%	$274,002	$274,002
5		Draft	0	24%	$154,010	$154,010
6		Draft	0	24%	$134,022	$134,022
7		Draft	0	24%	$134,022	$134,022
				2026 Total:	$1,536,117	$1,536,117
				Total Project:	$1,536,117	$1,536,117

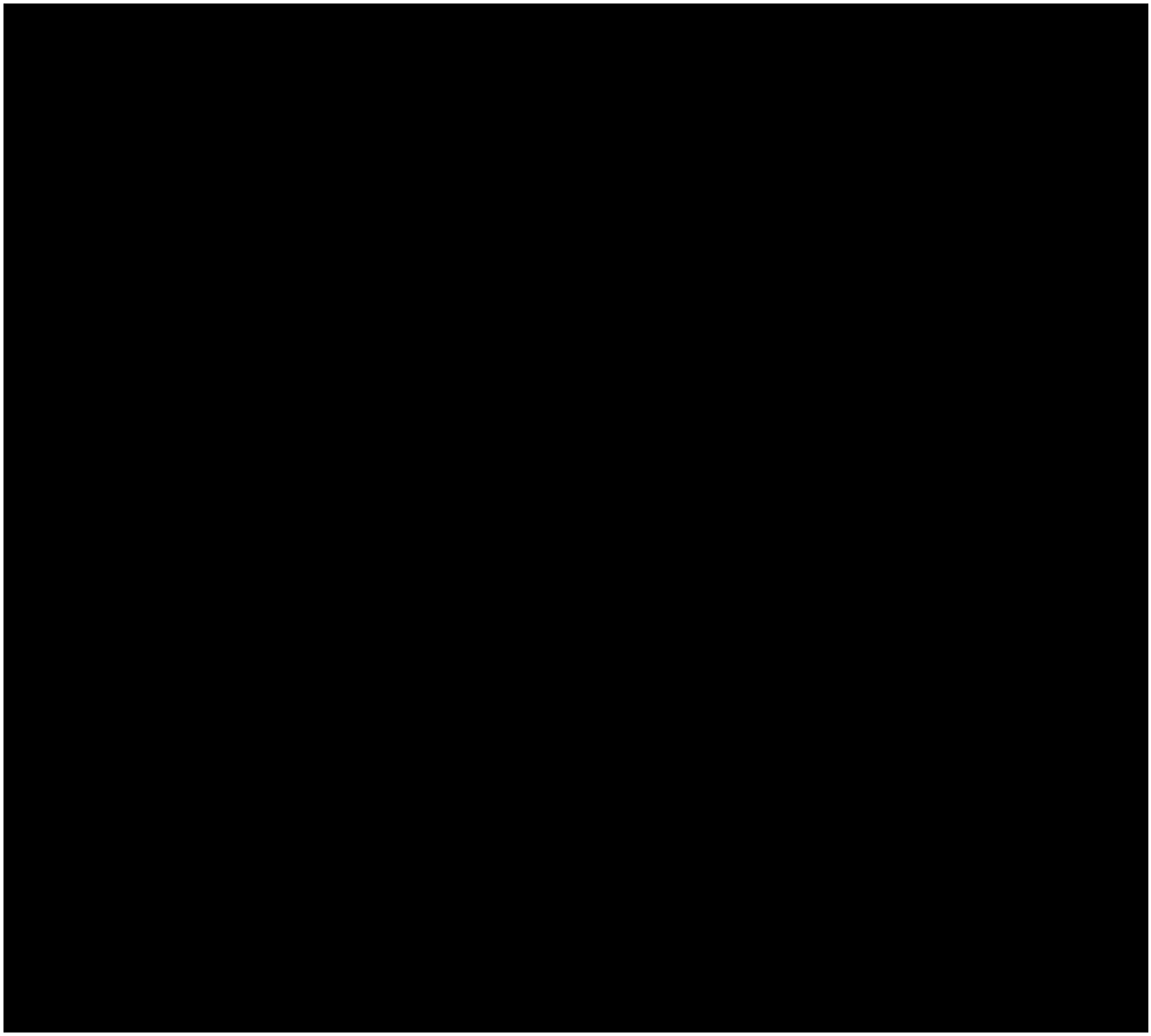
Attachment A: Cost Estimate – Reconductoring Option

[redacted]

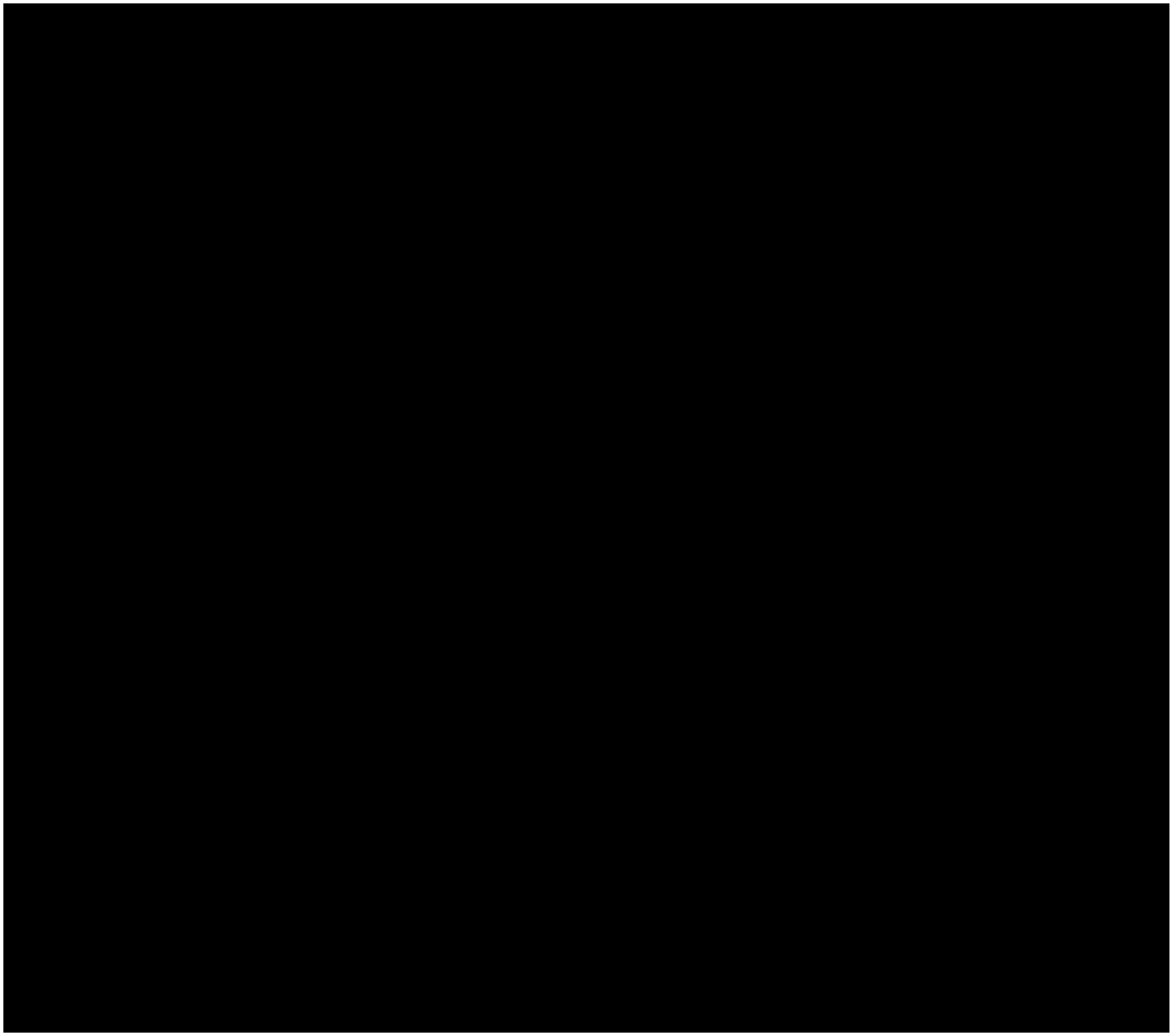
Attachment B: Circuit One-Lines

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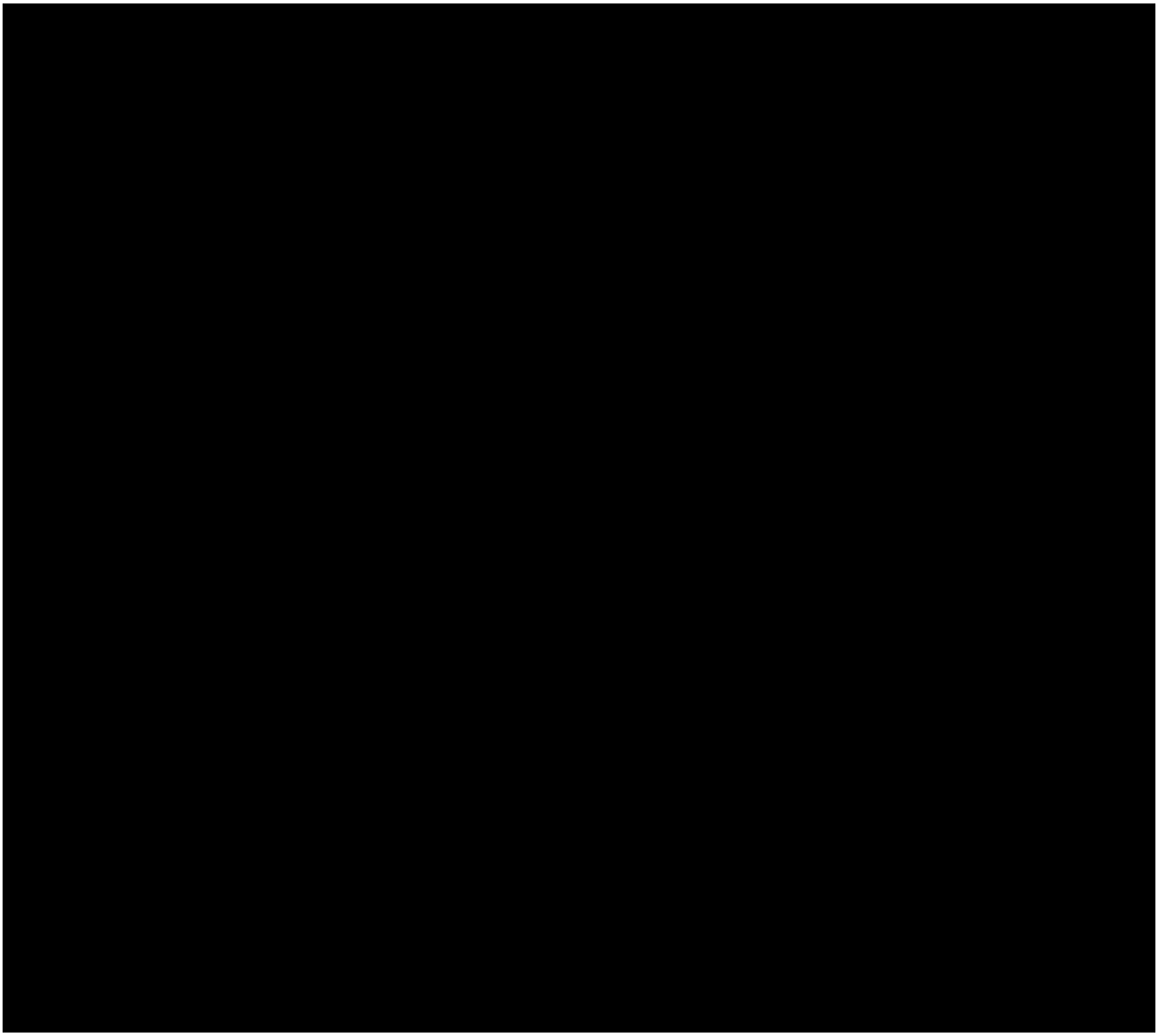






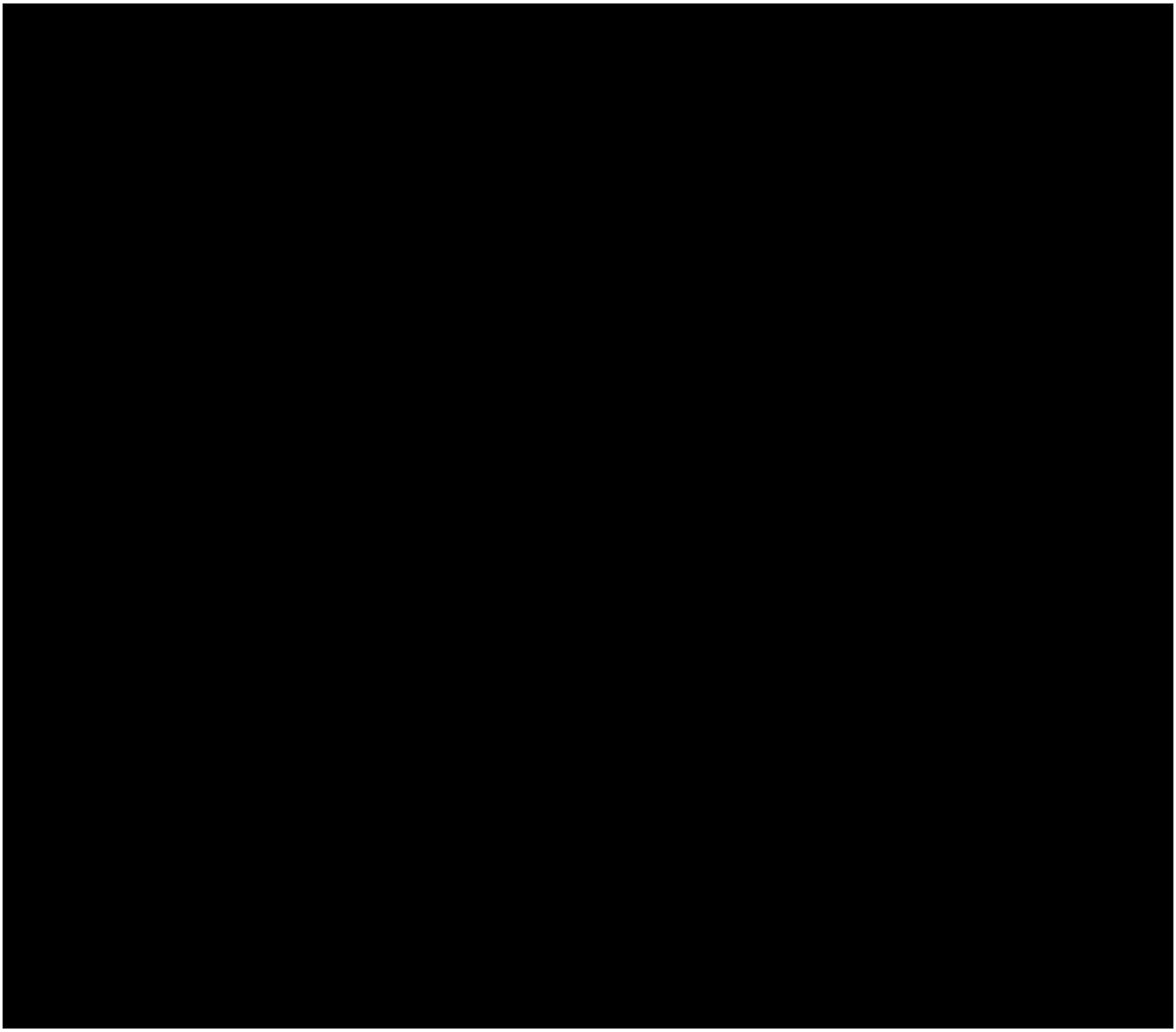










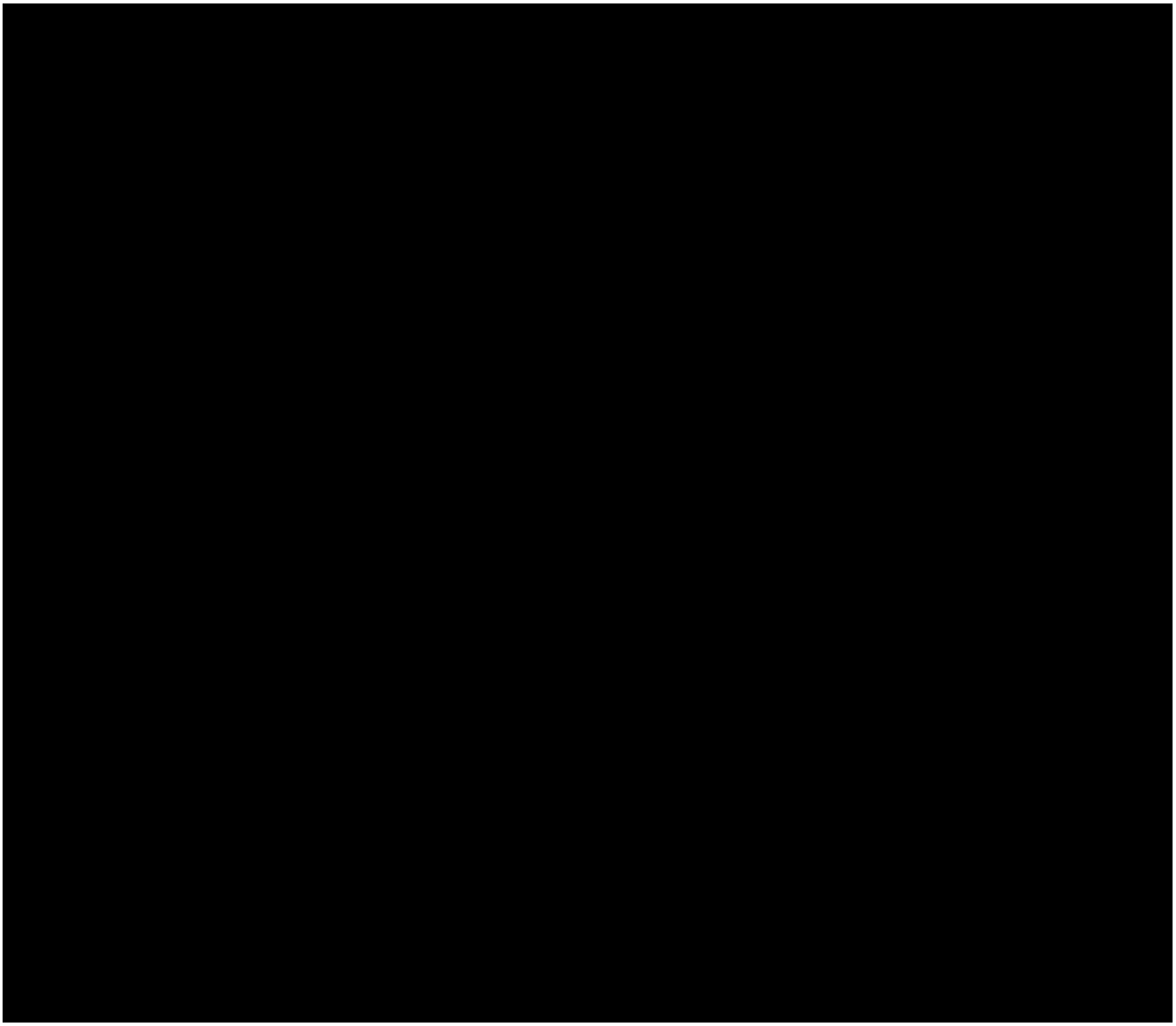






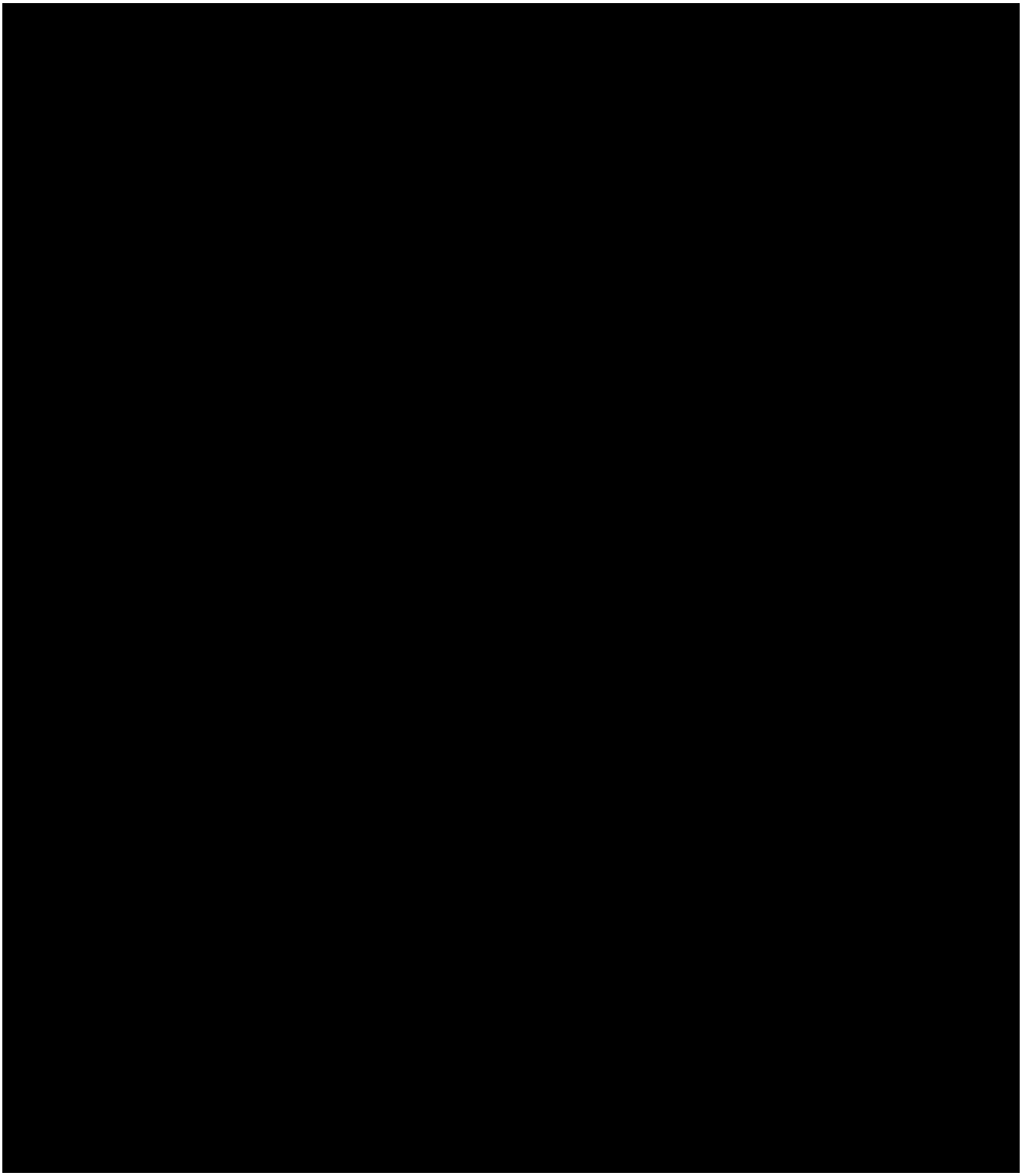


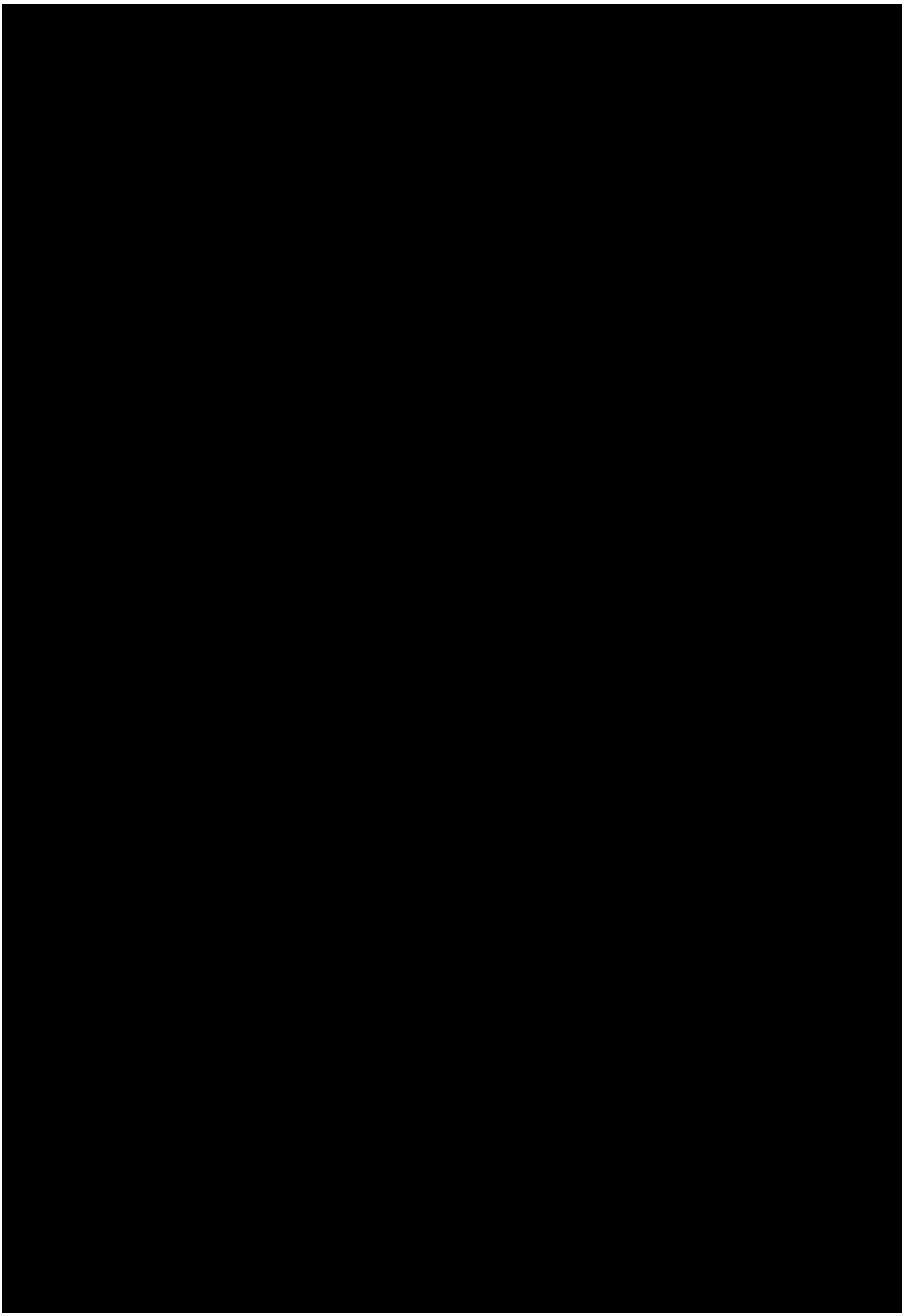


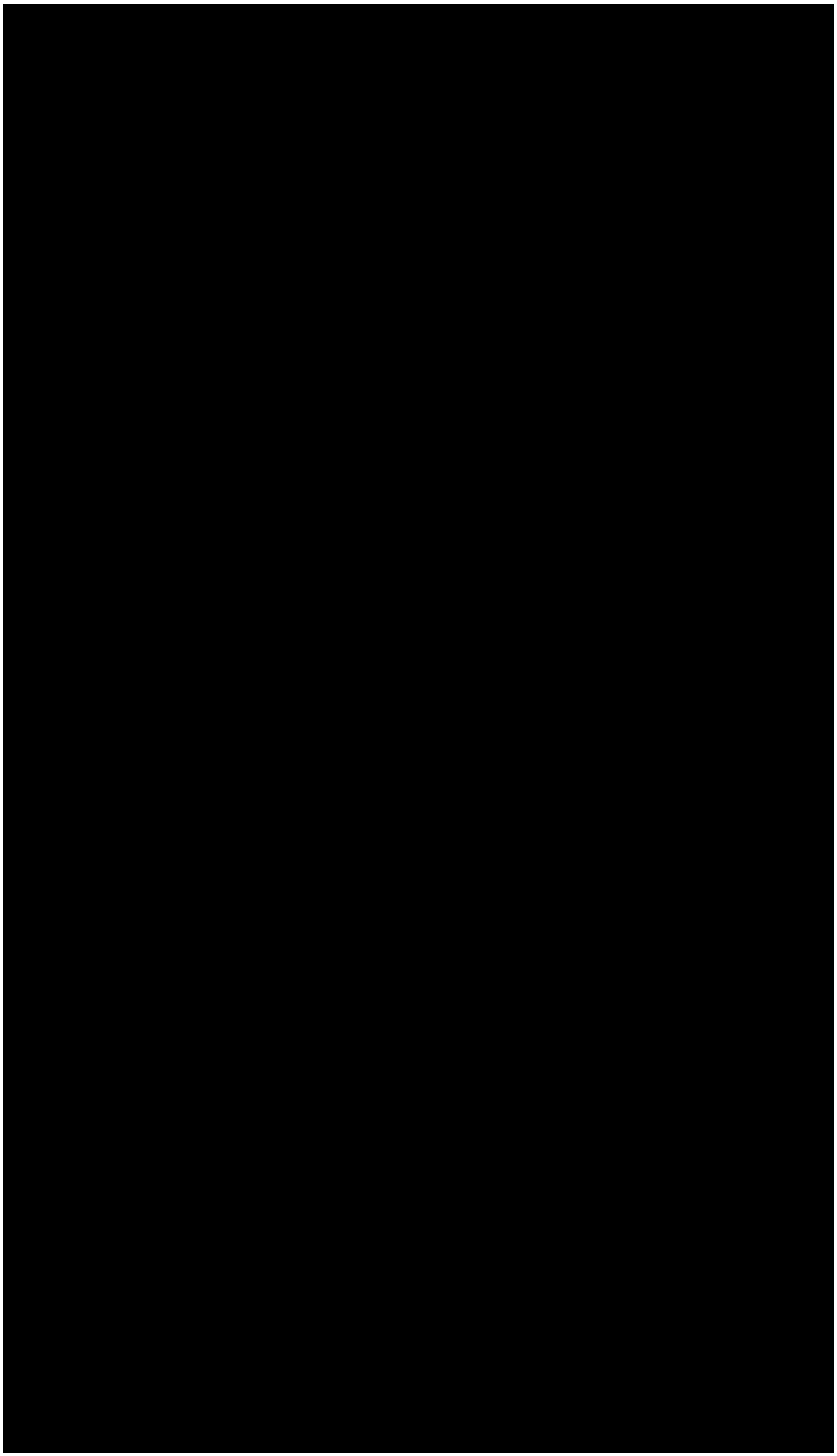


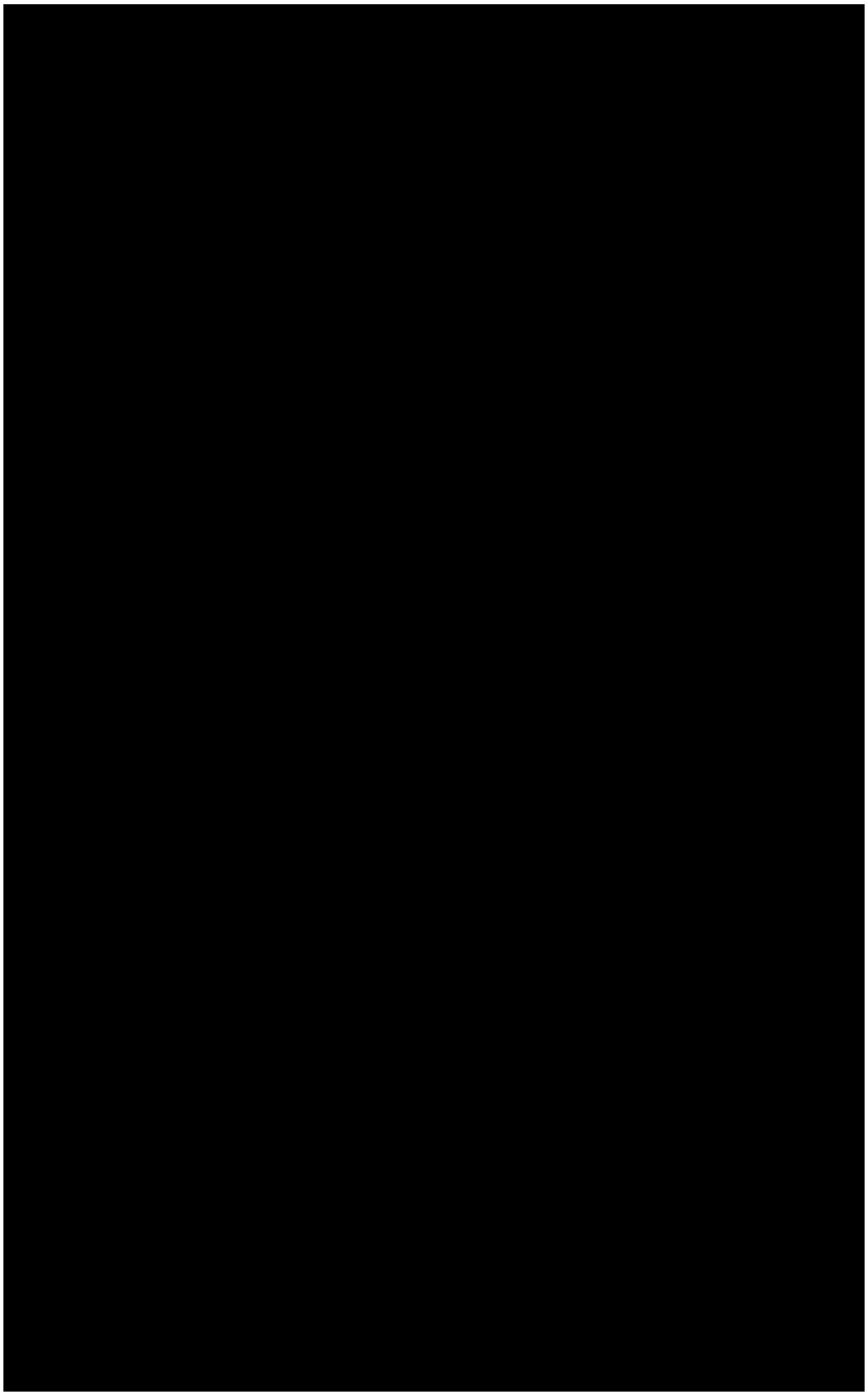


Attachment C: Geographical Maps

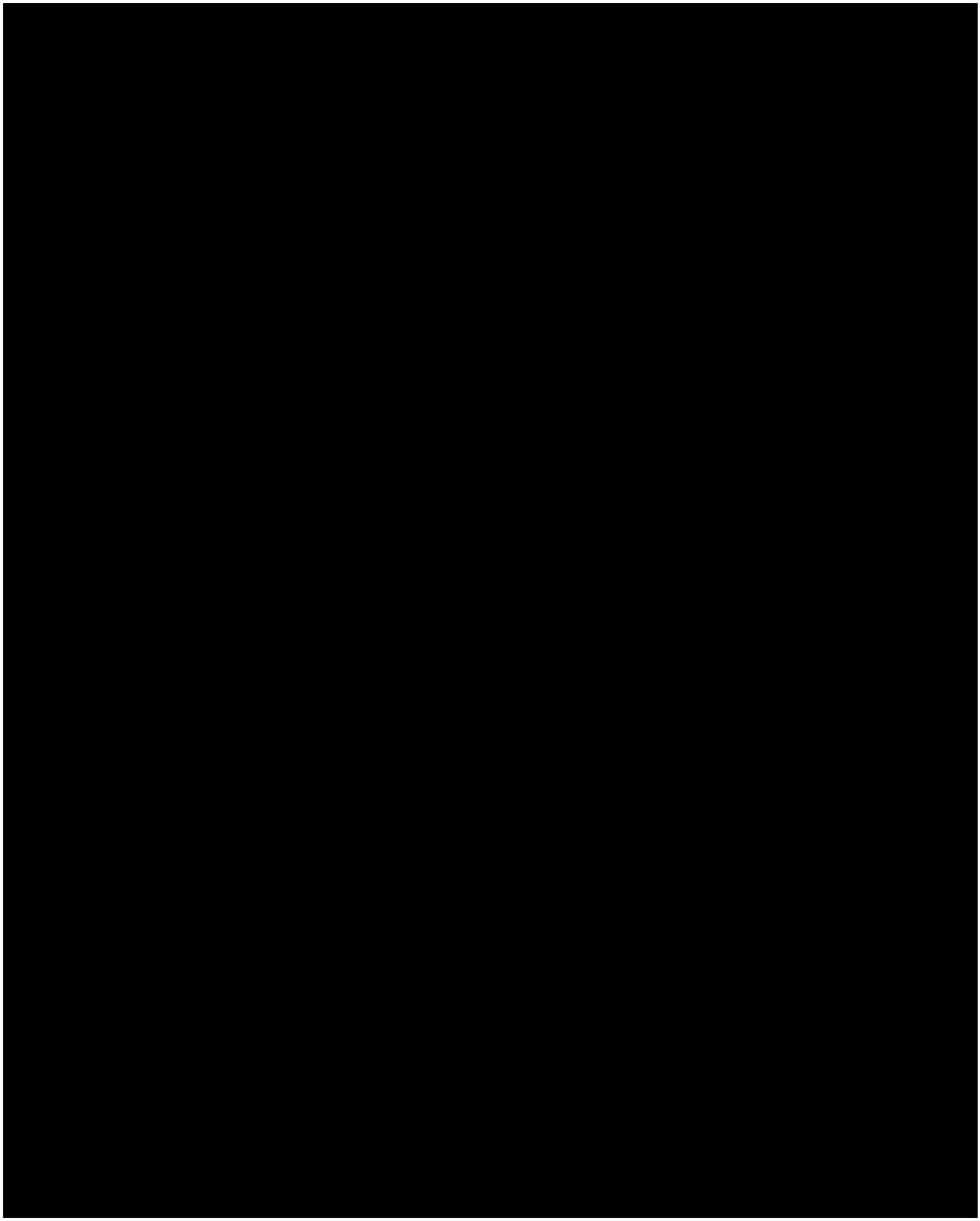


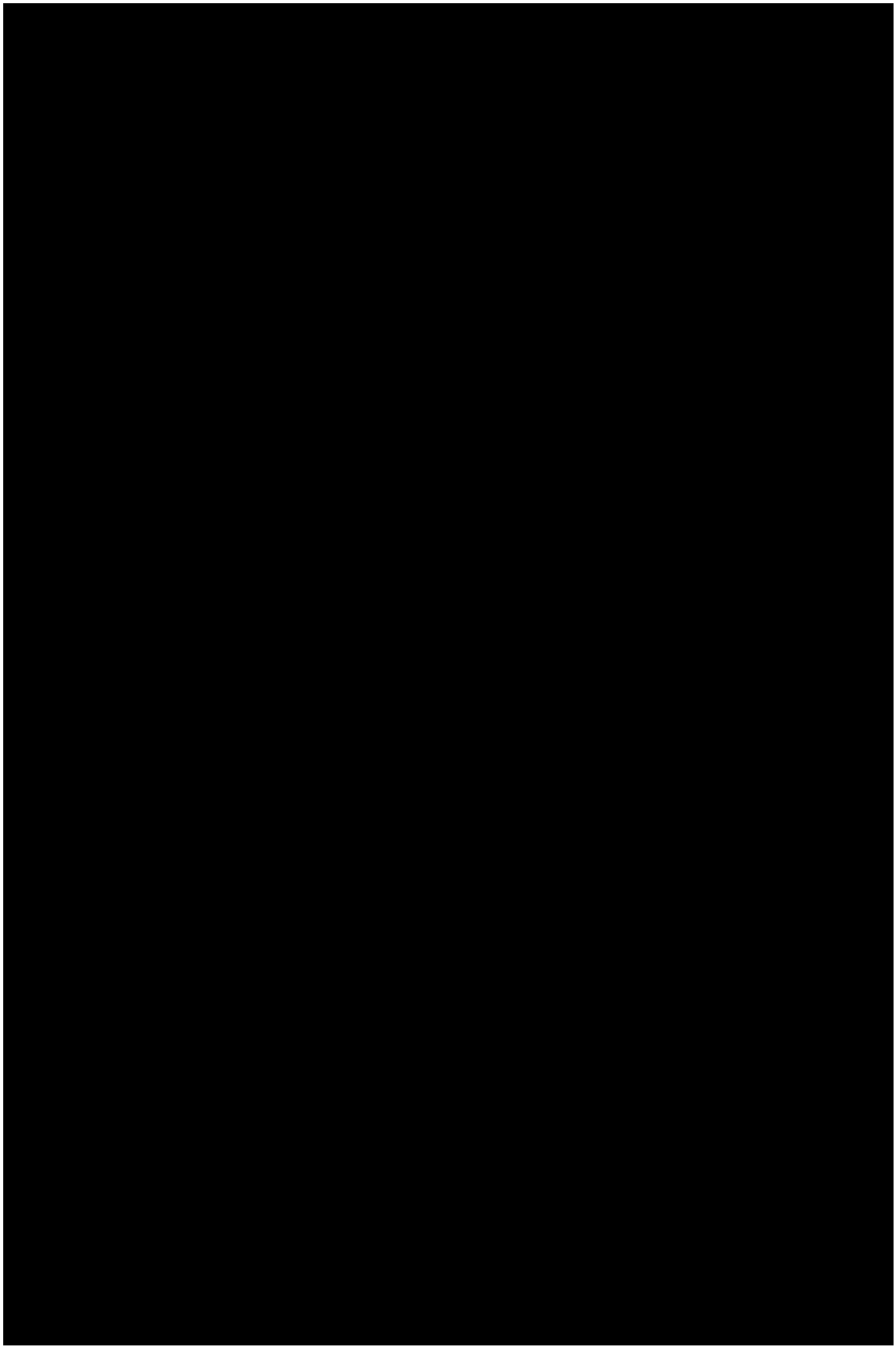


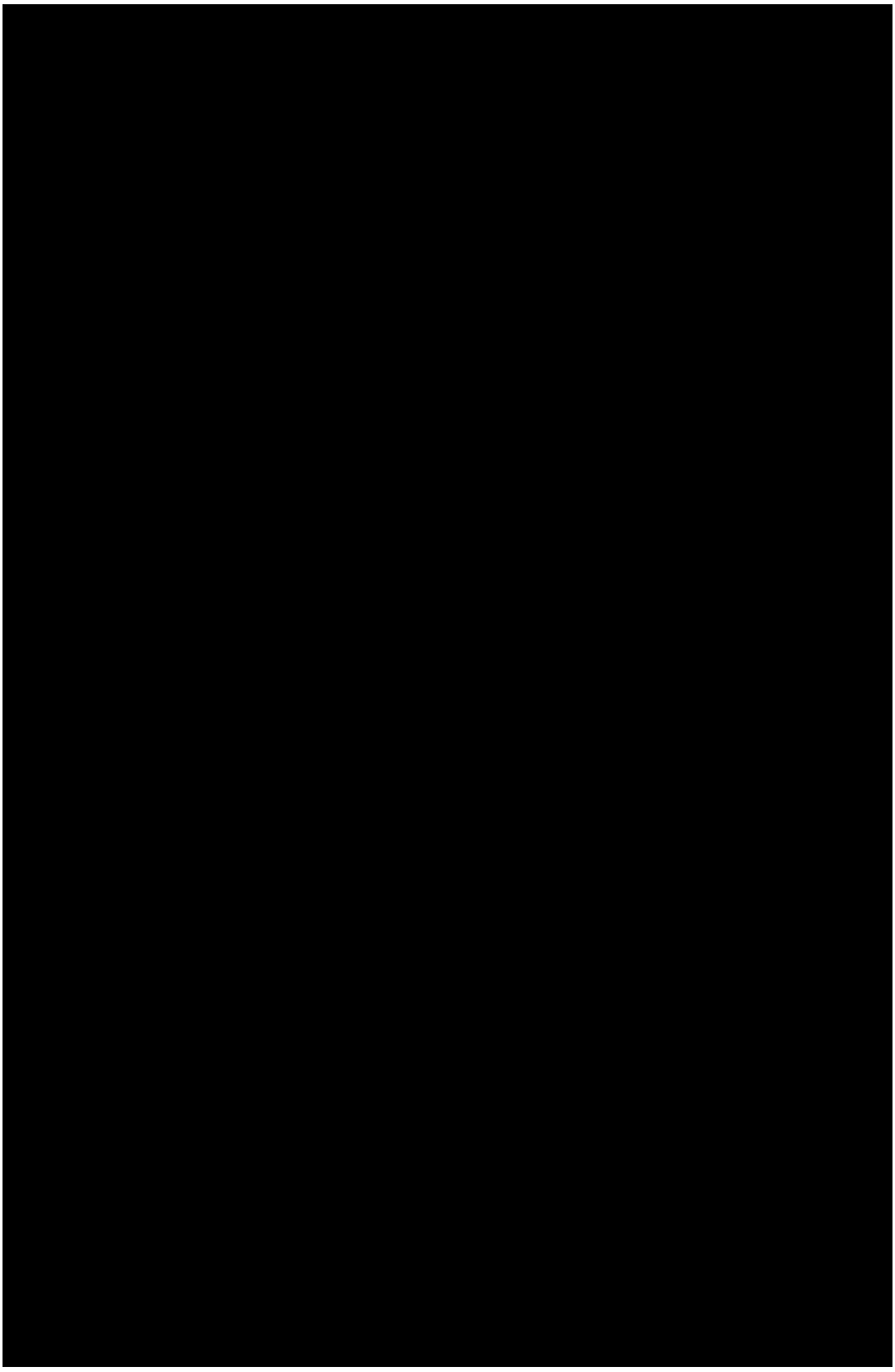






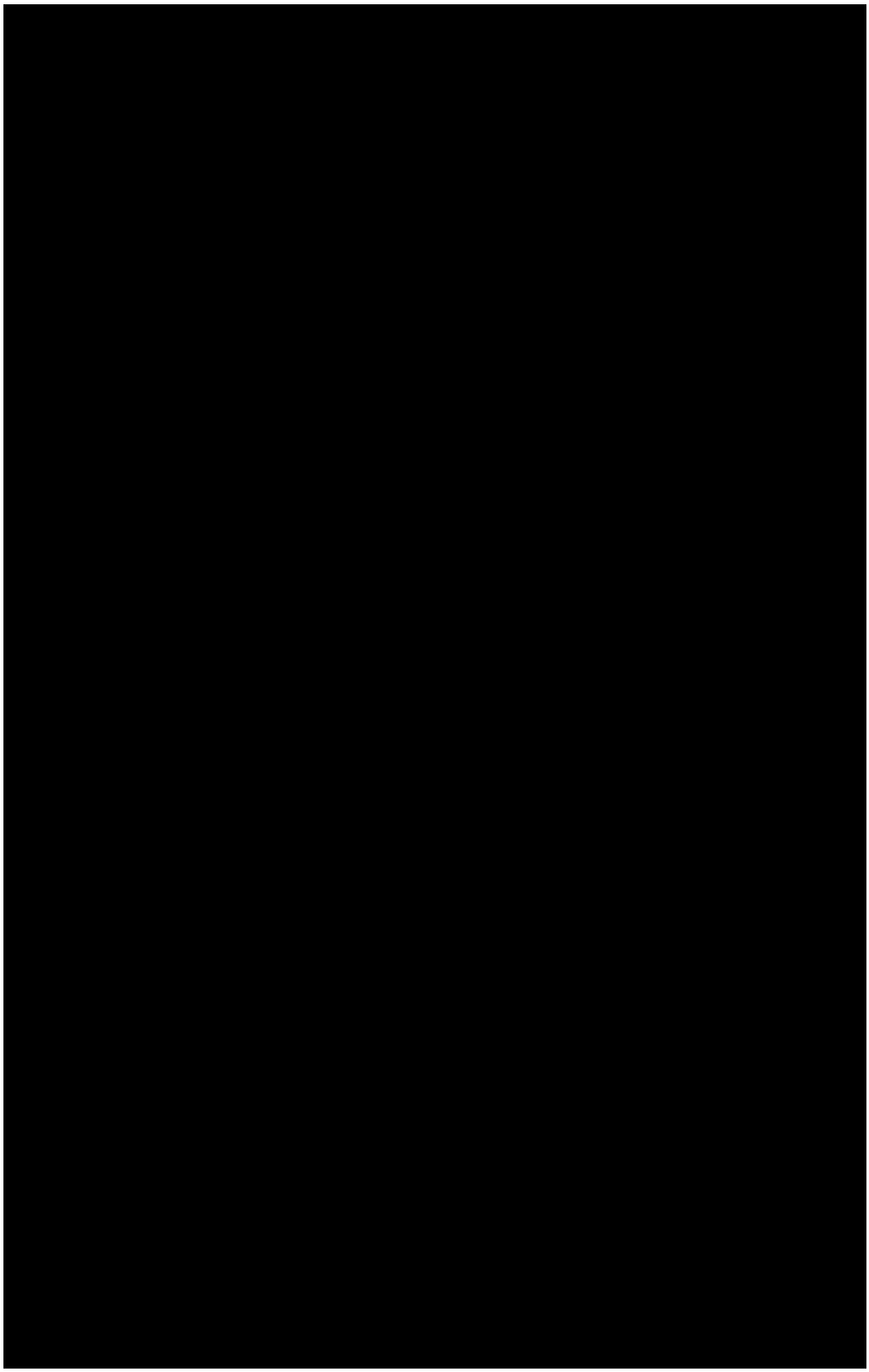


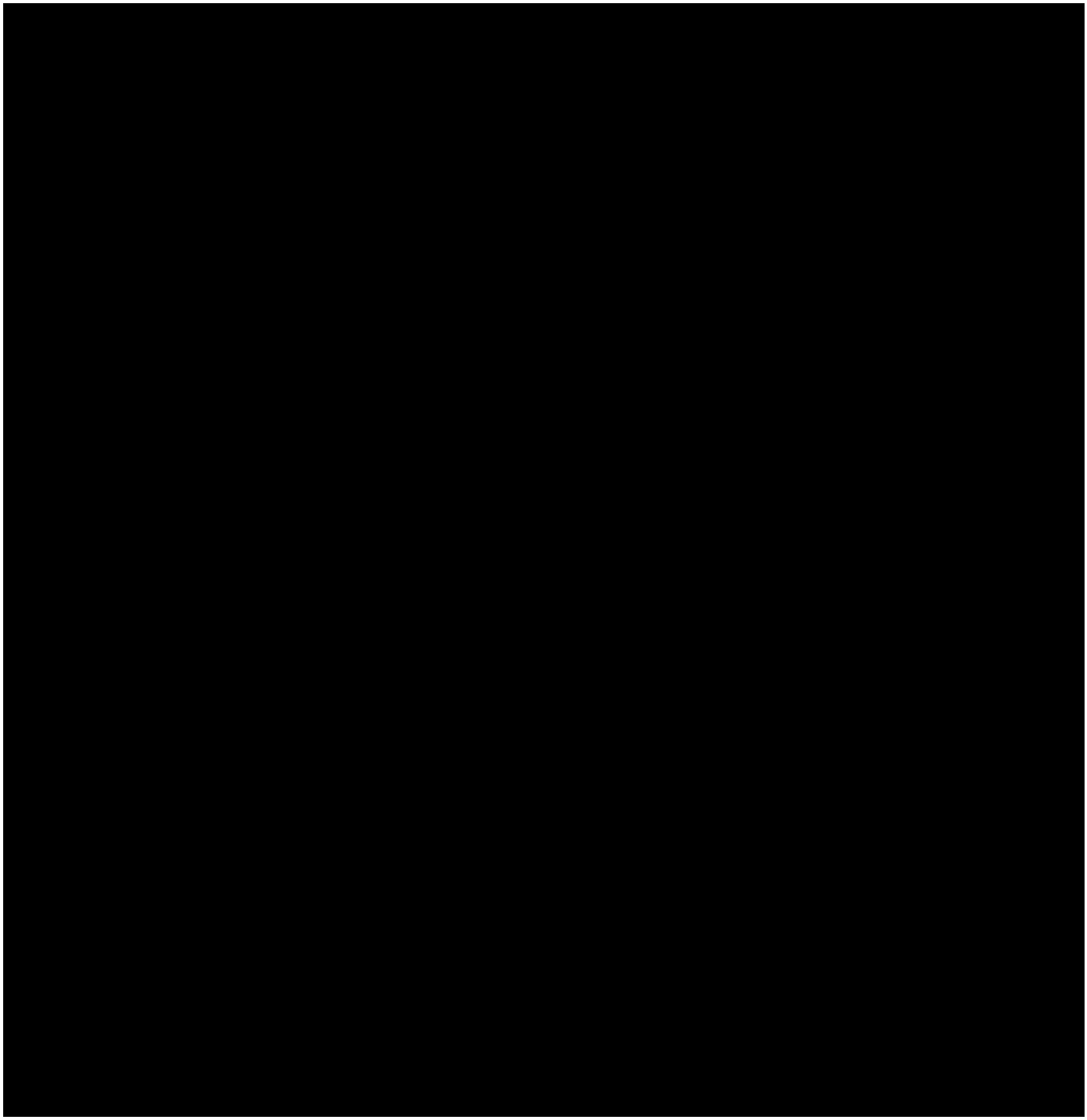


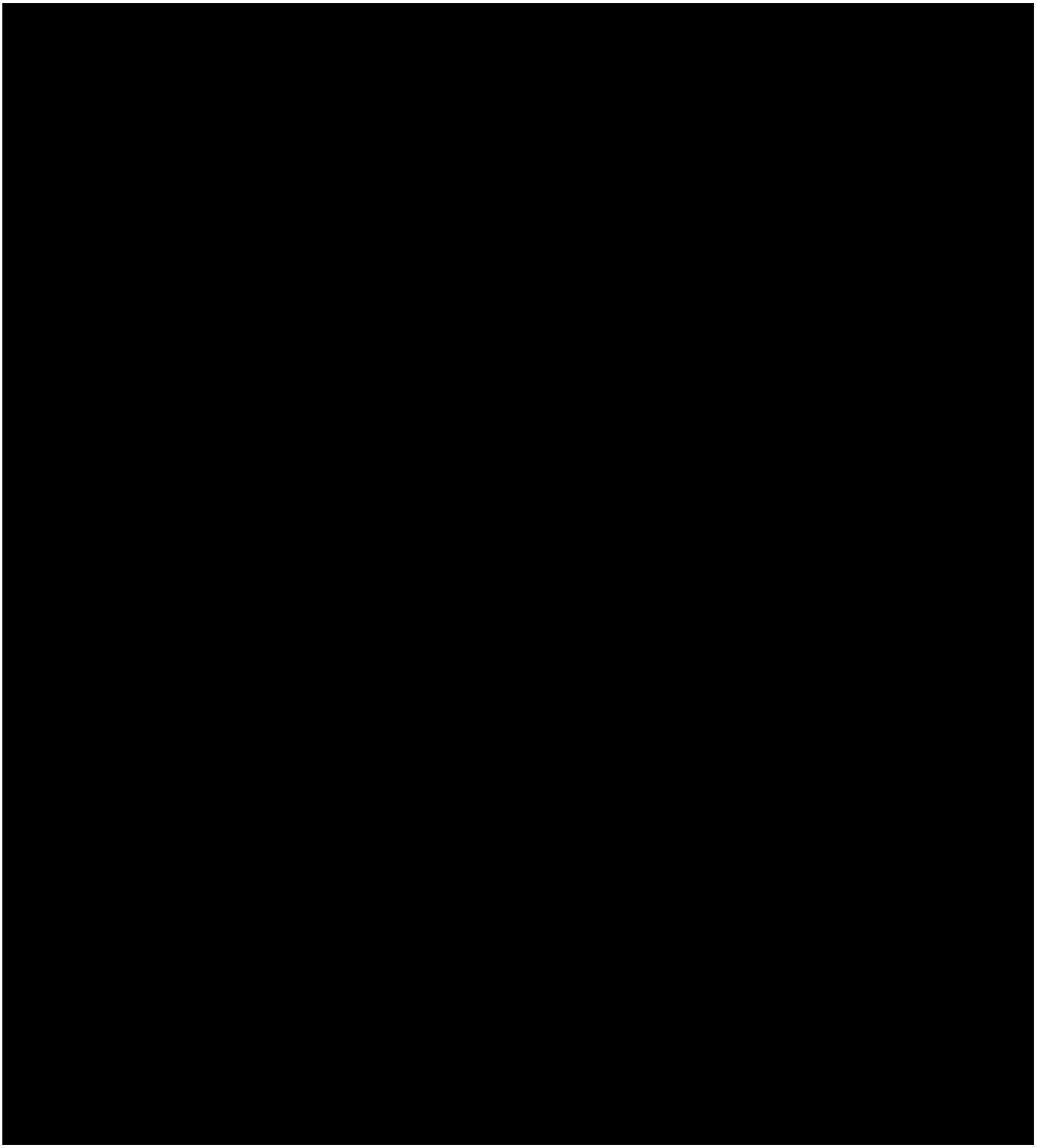






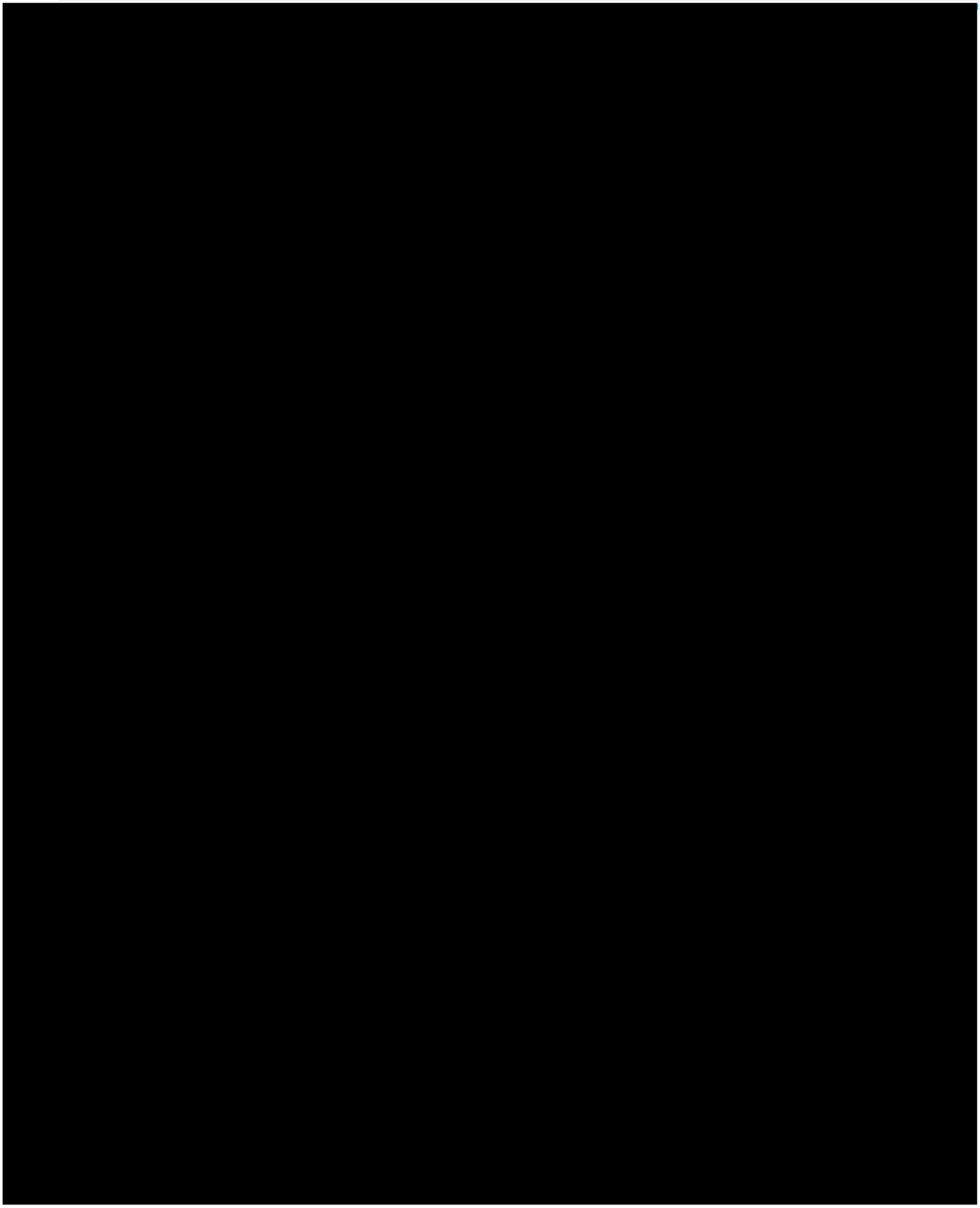




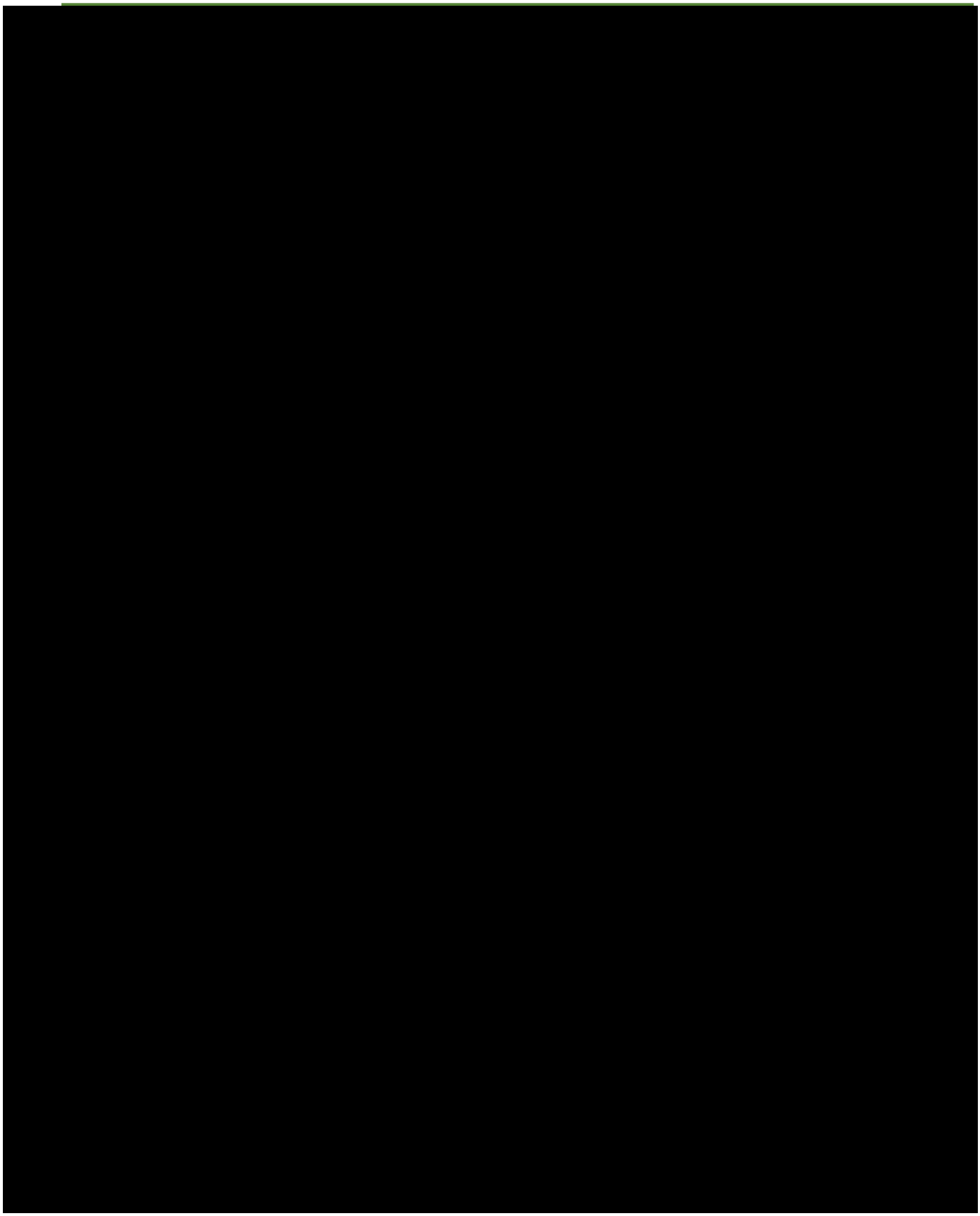


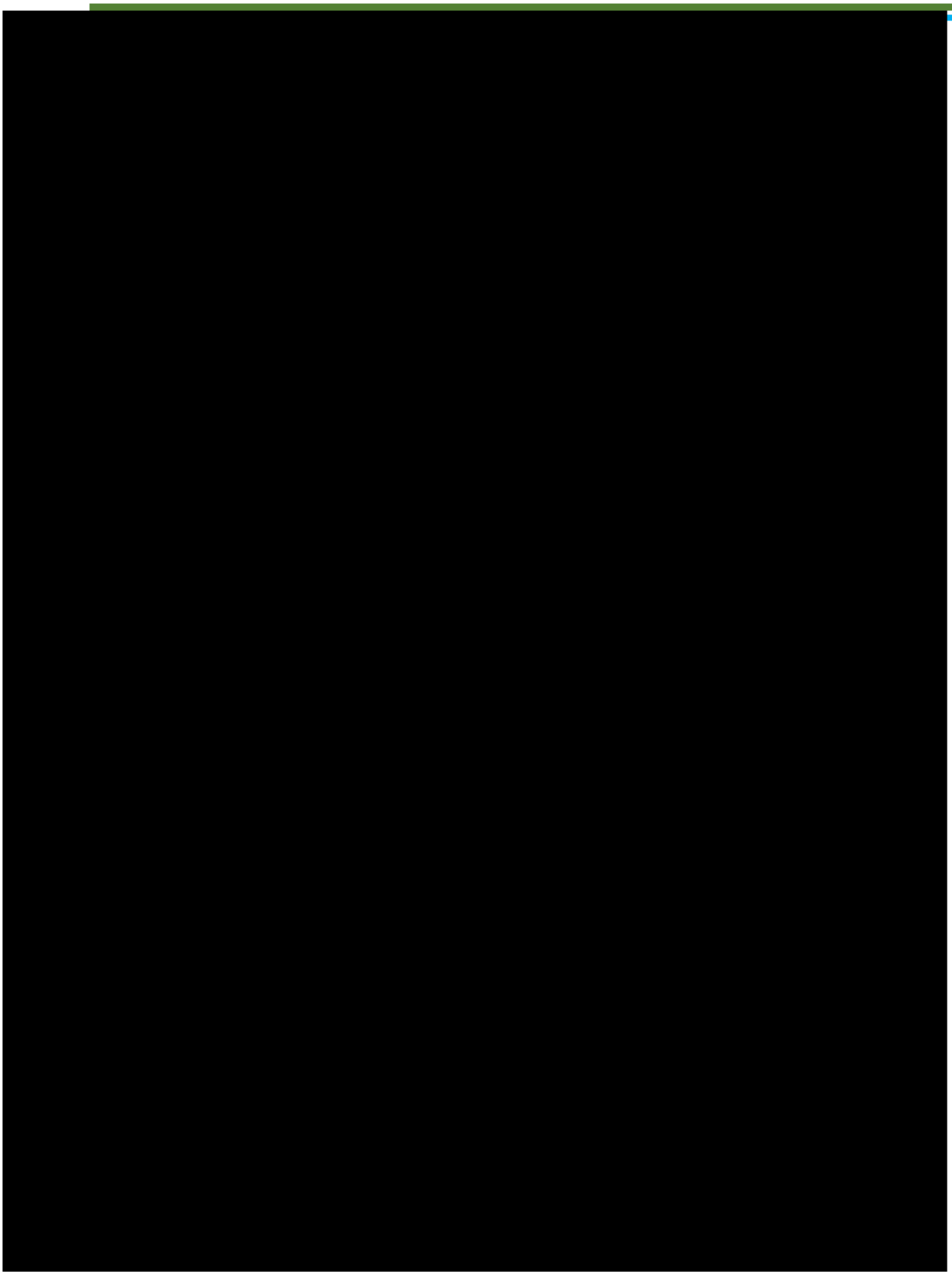


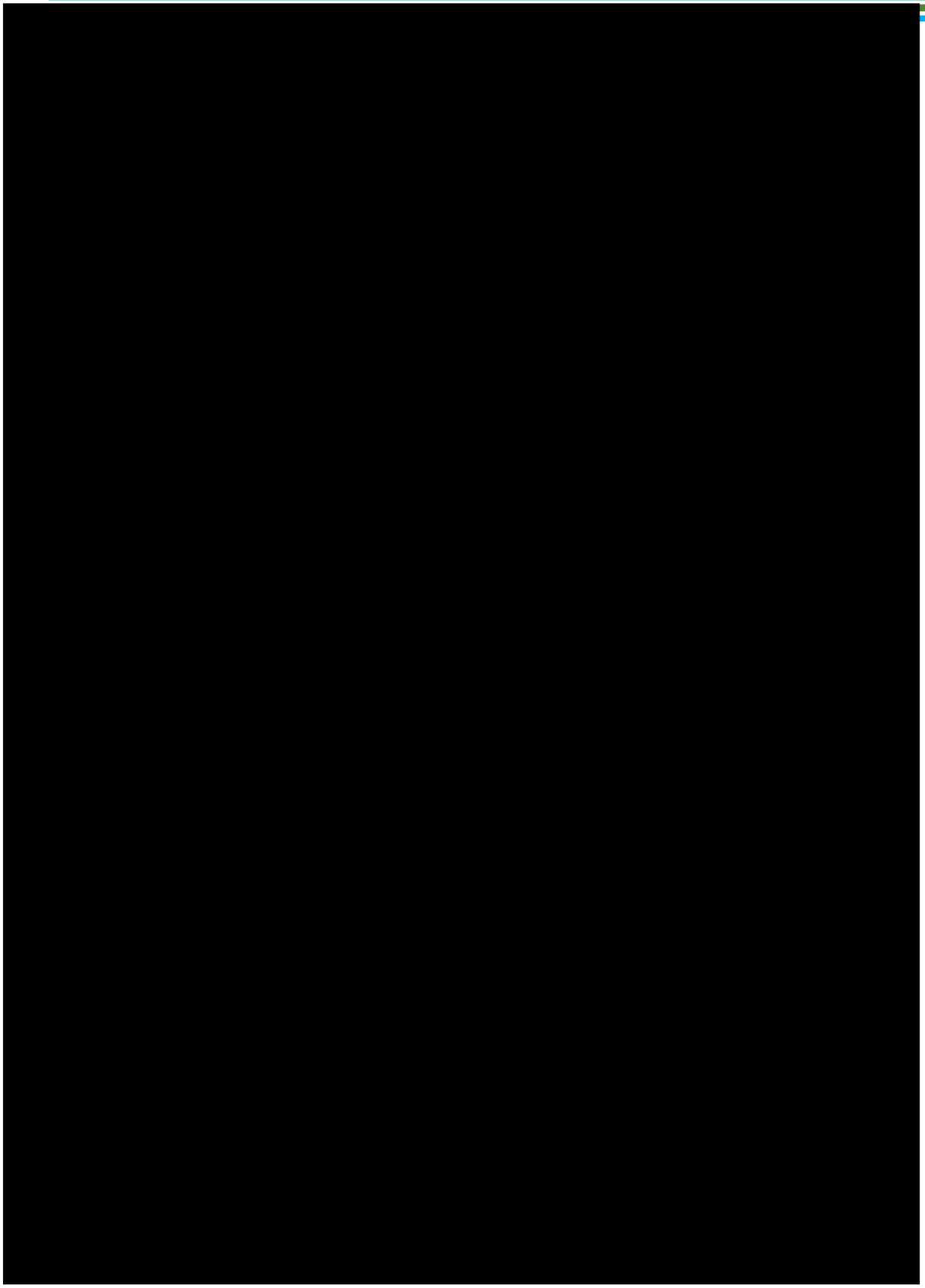


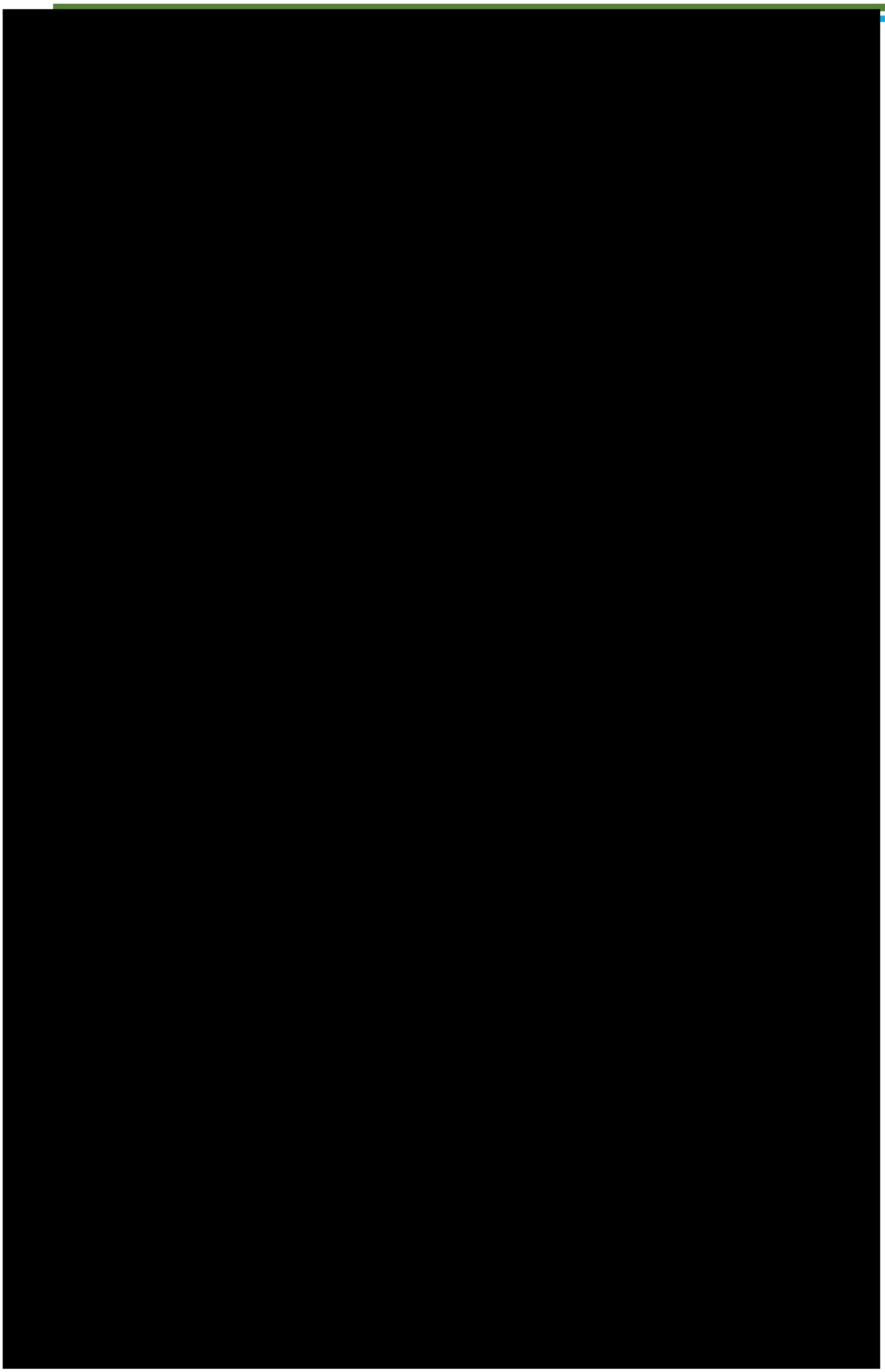


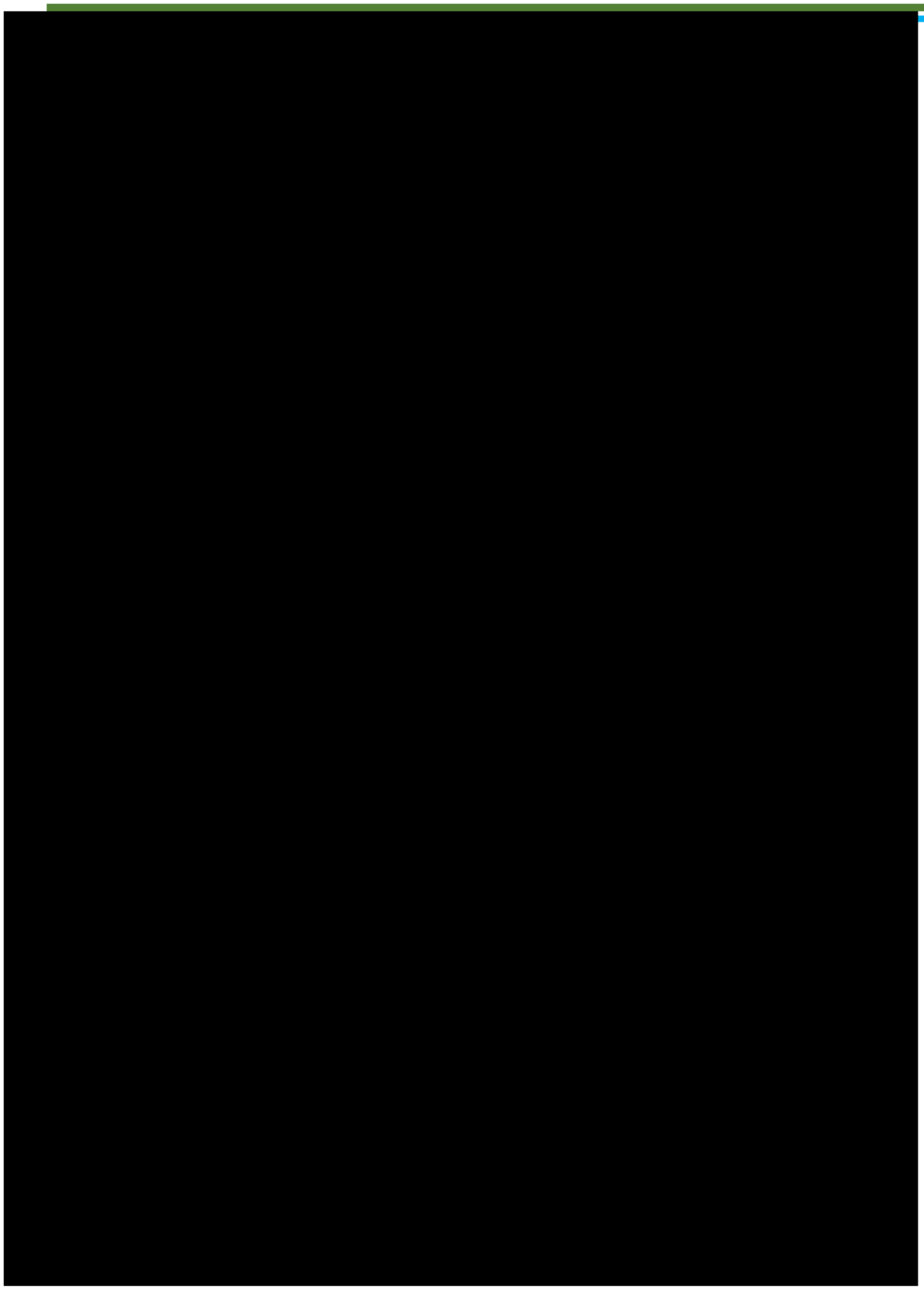


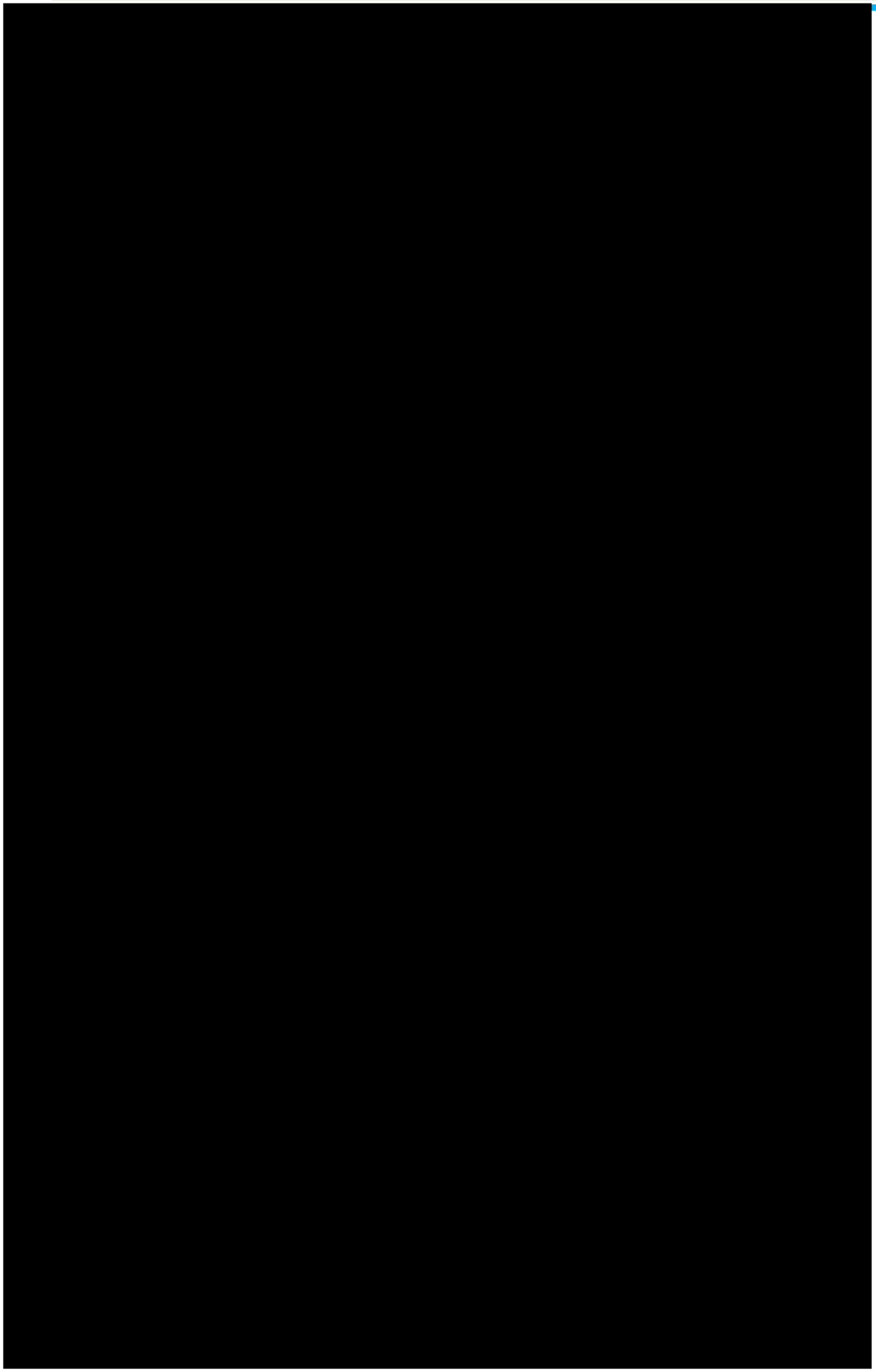


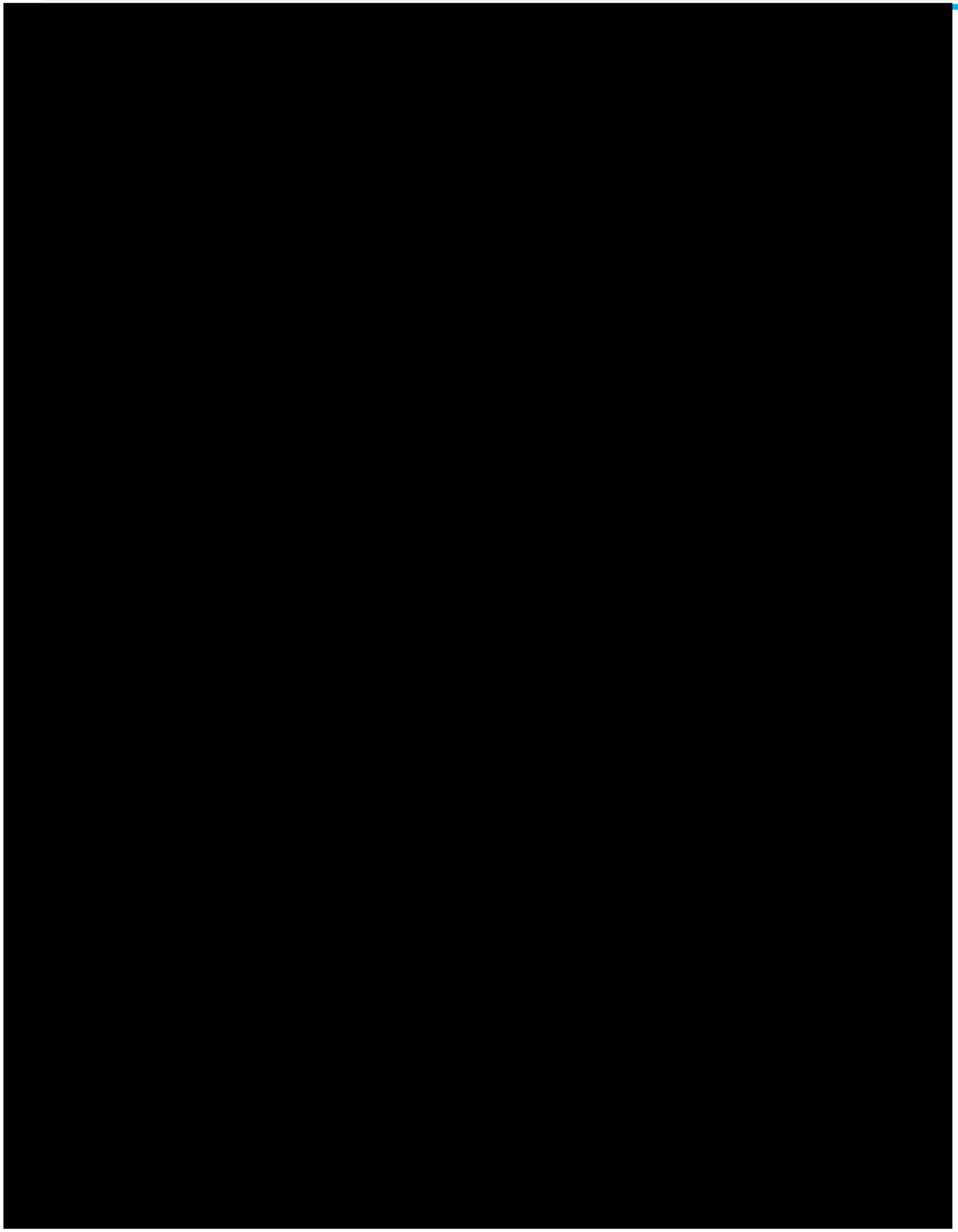


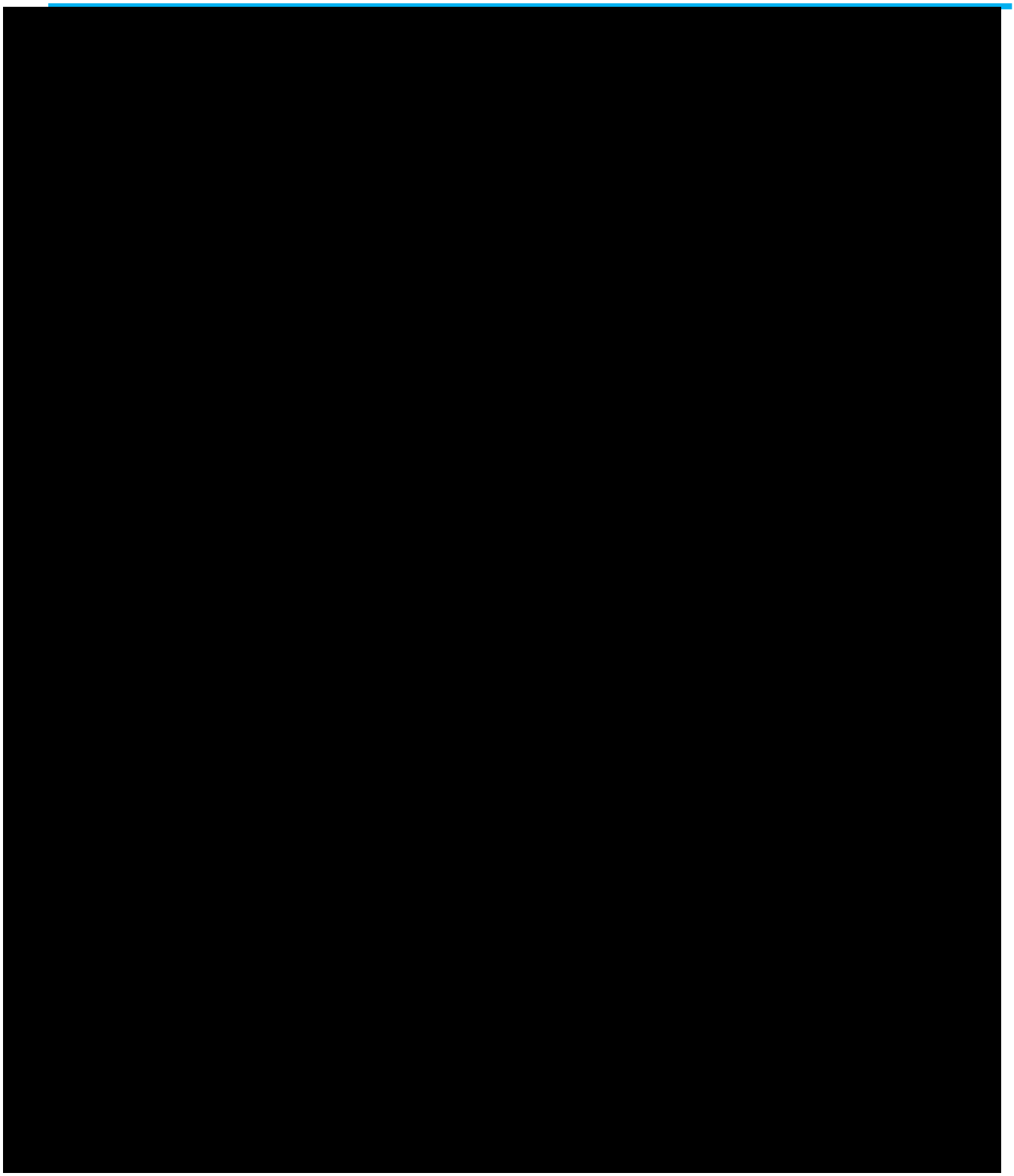


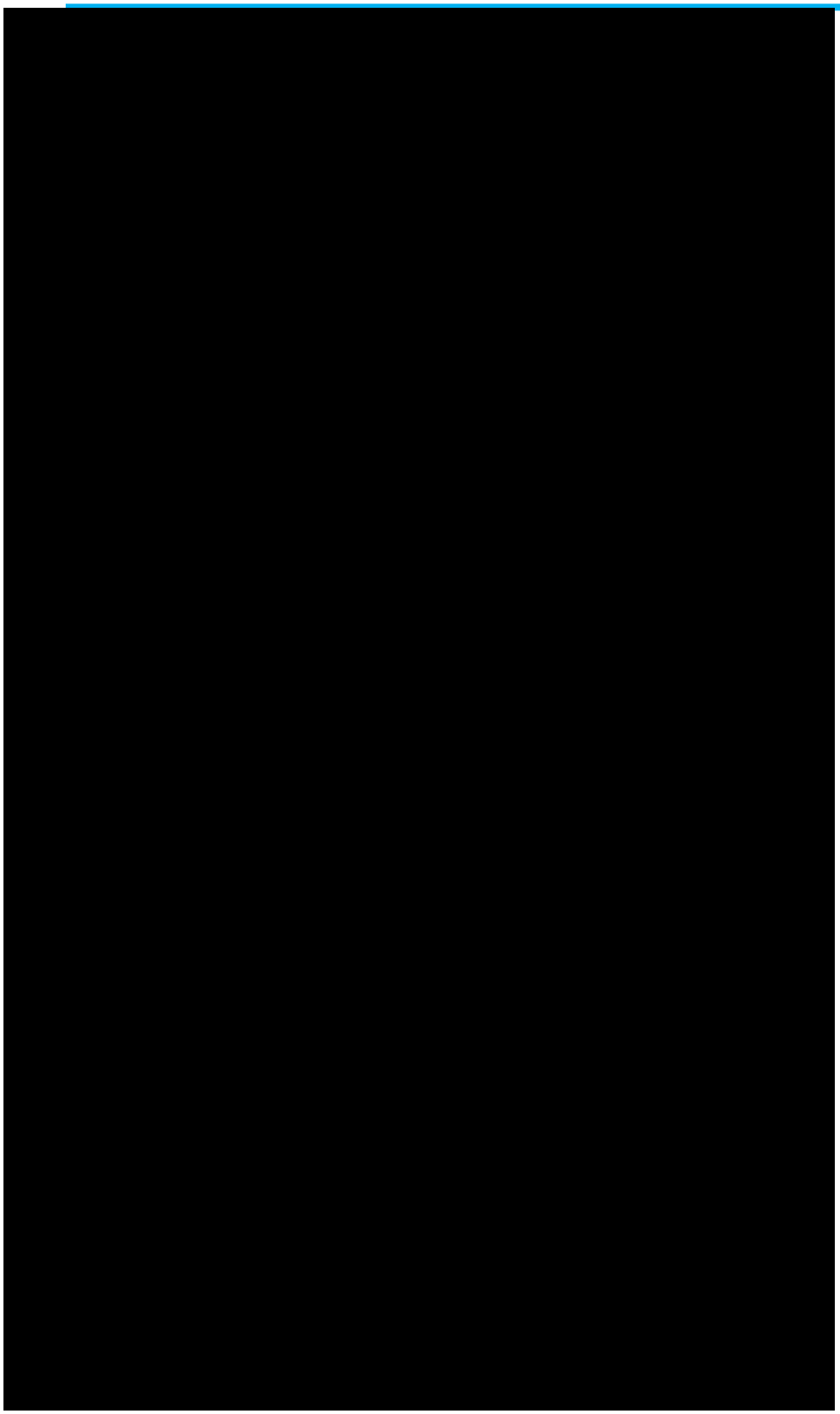


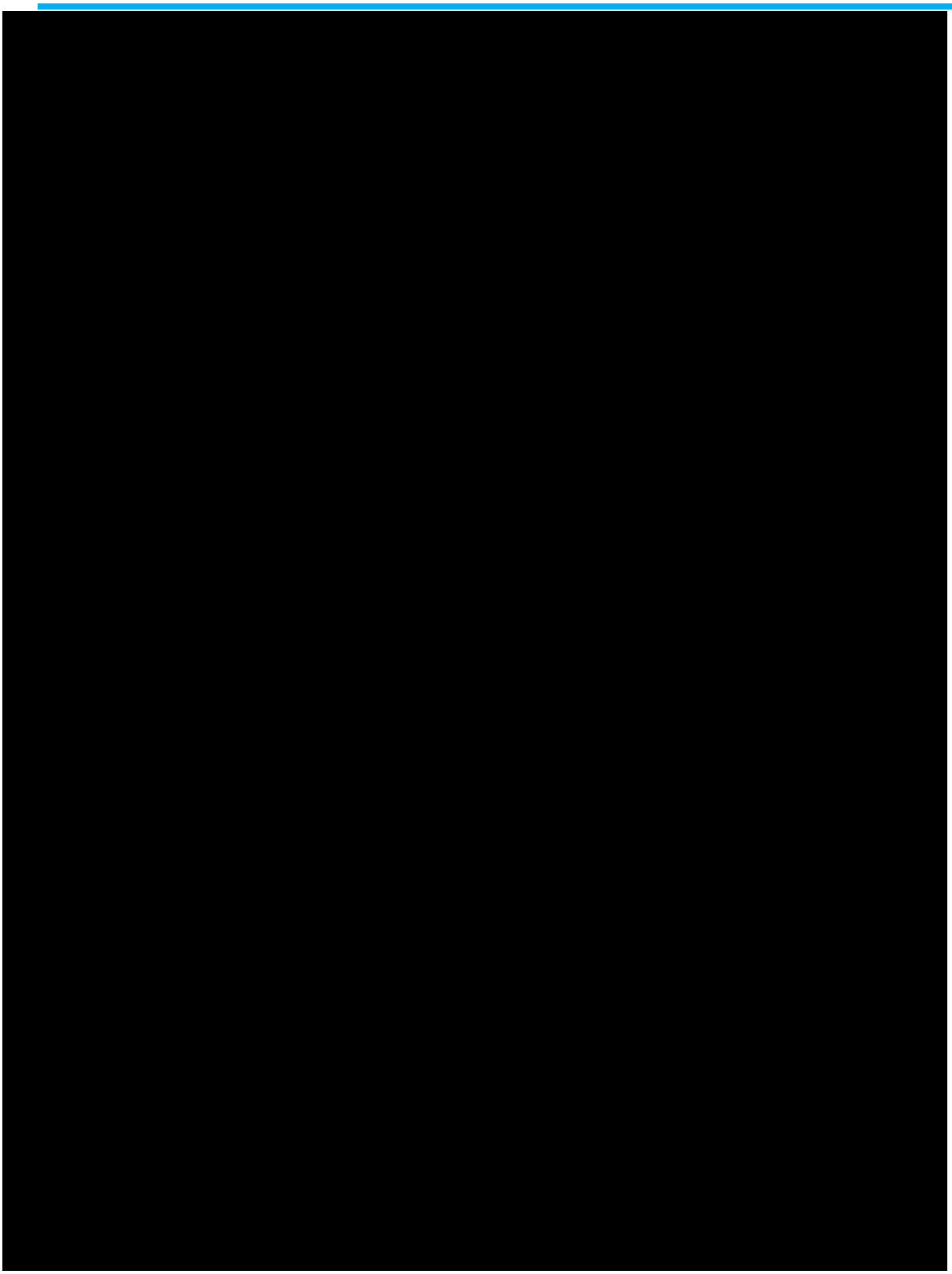


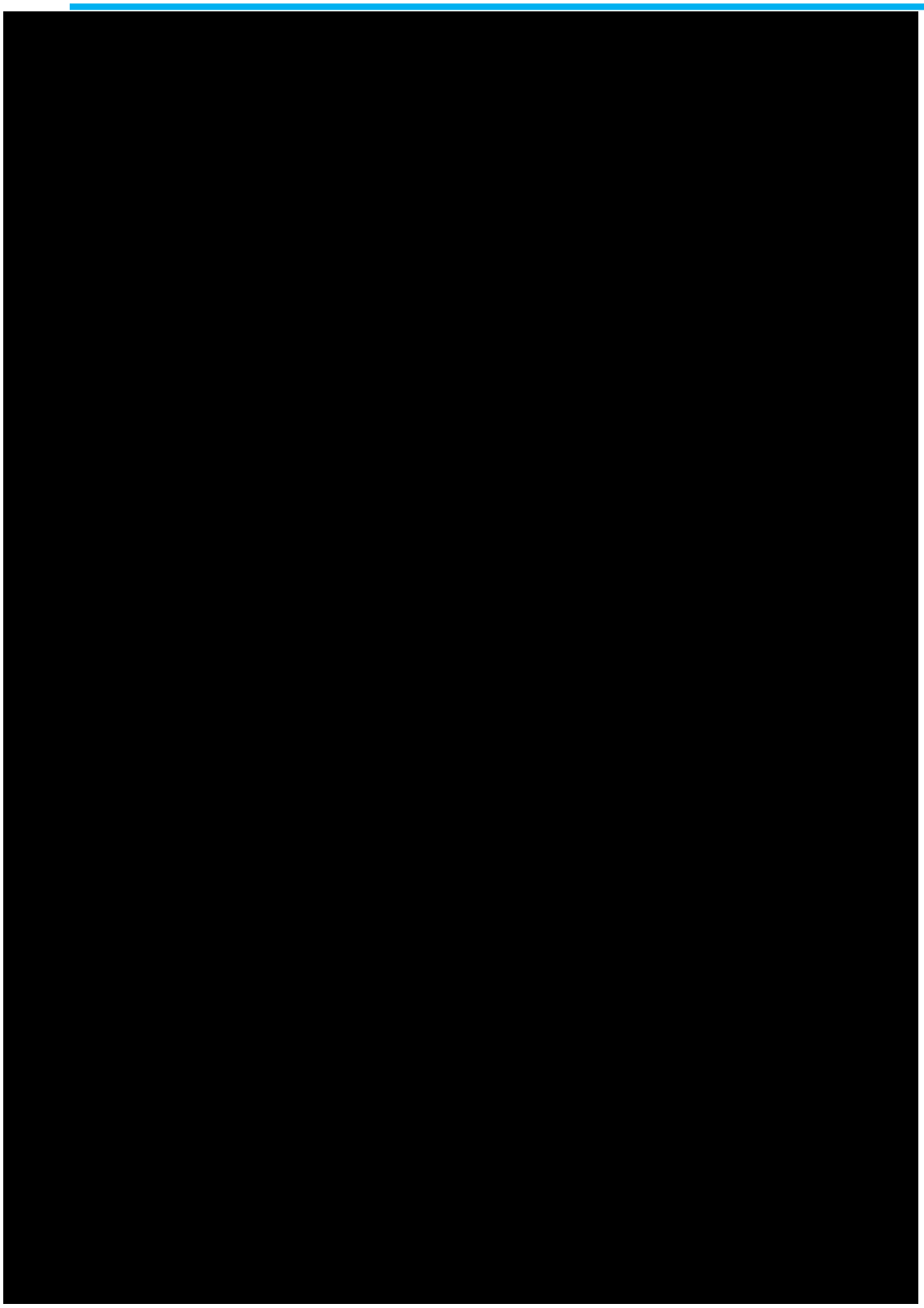


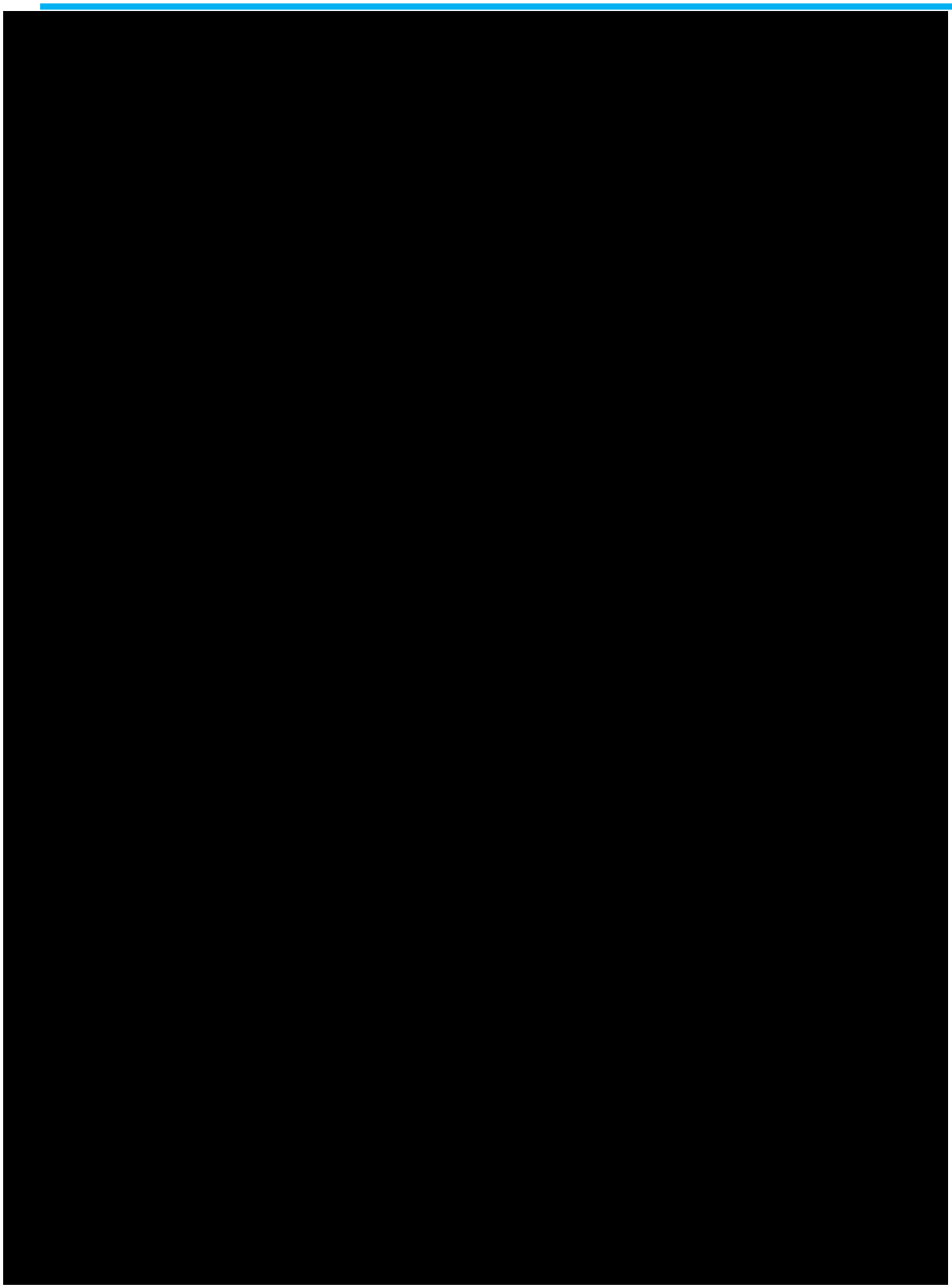


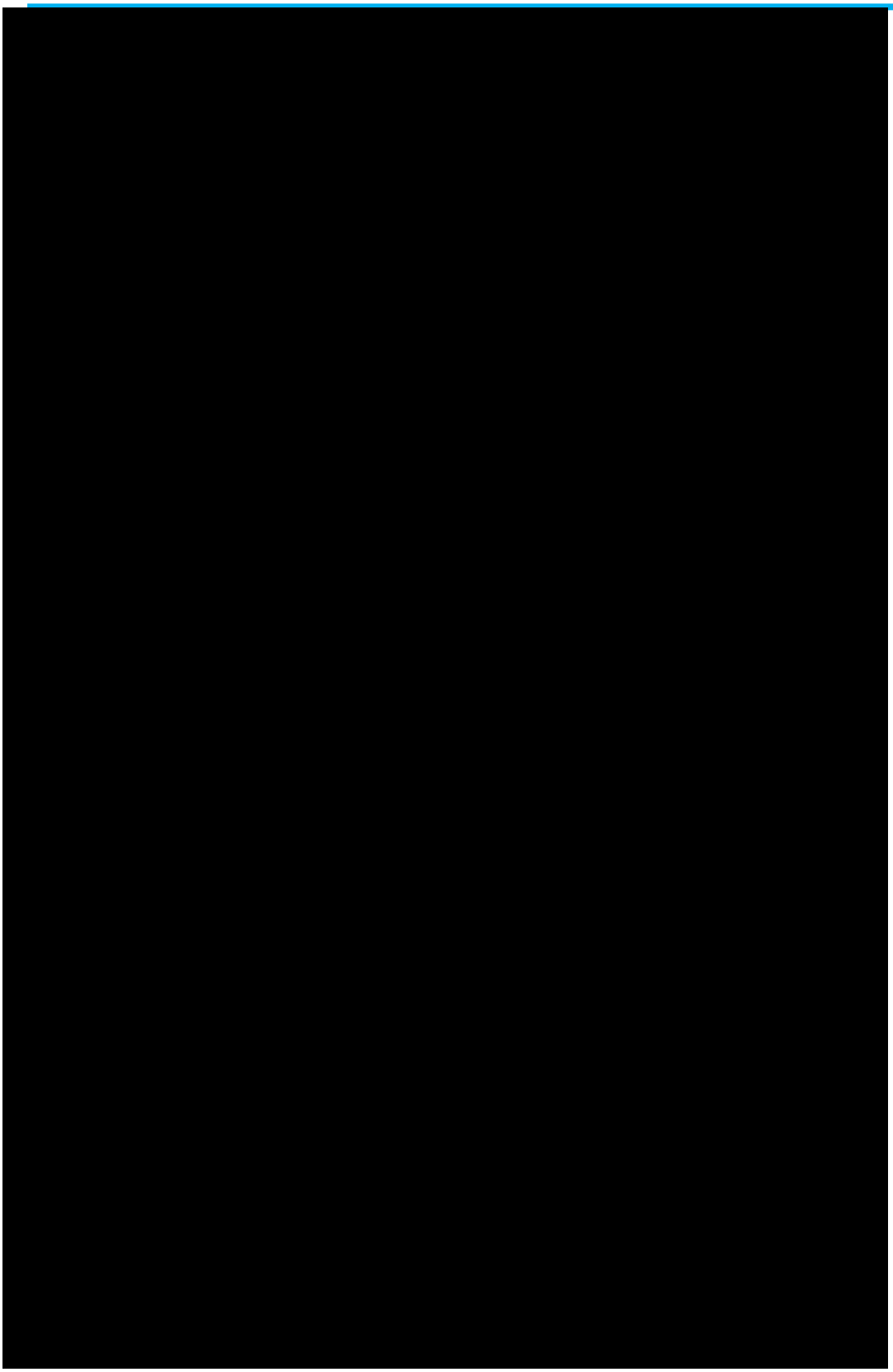


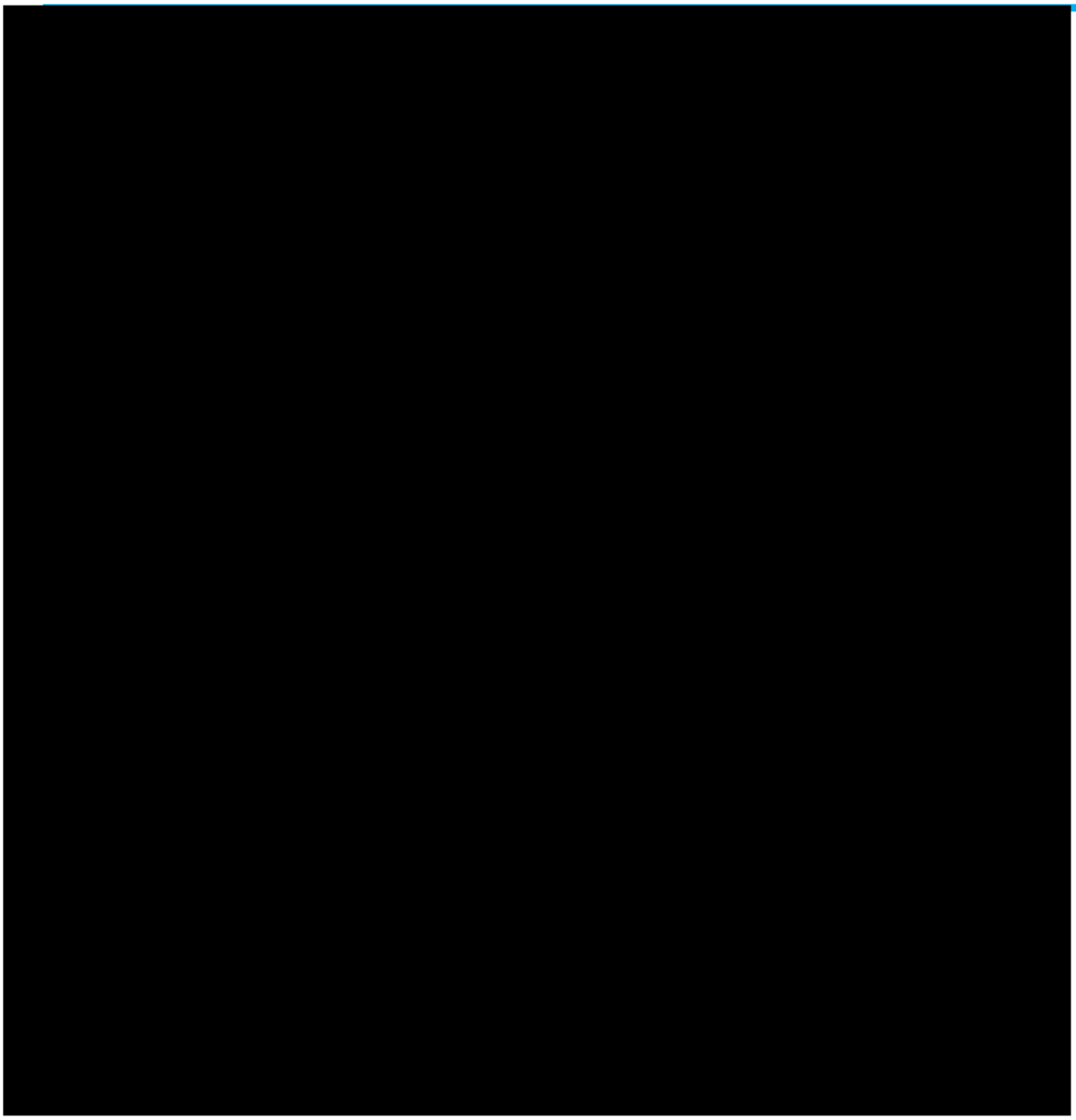




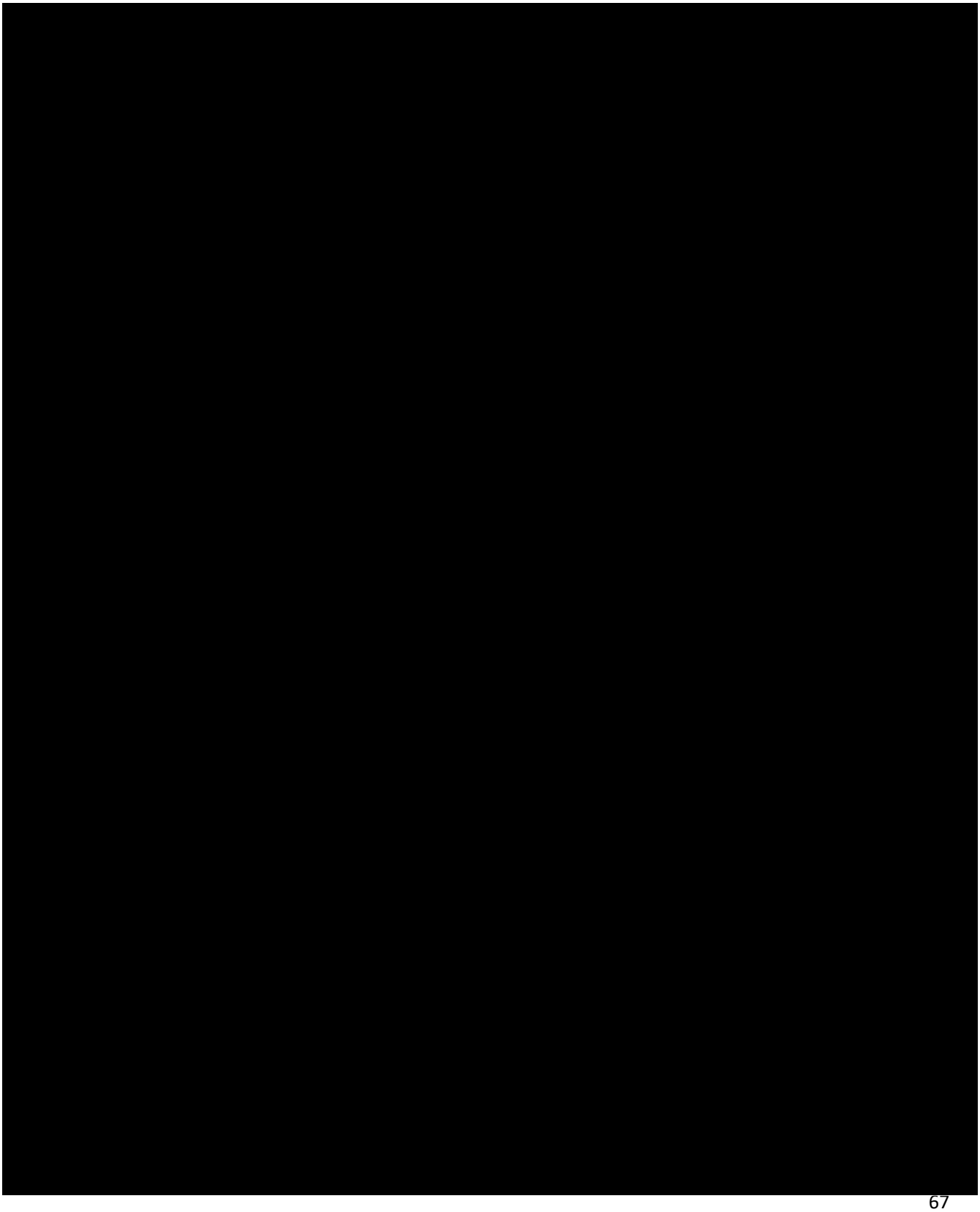






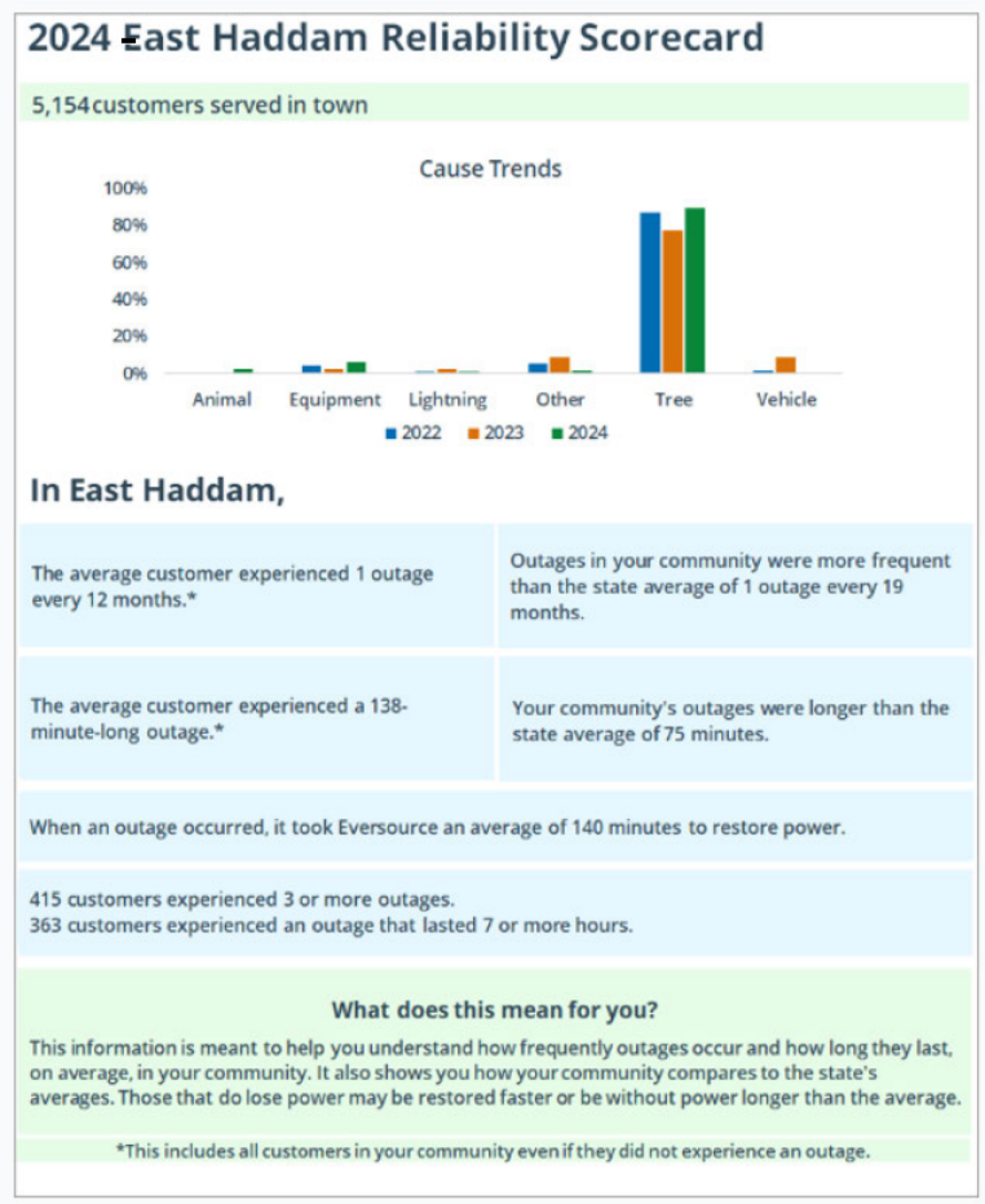


Attachment D: Load Sheets



Attachment E: Town Scorecards

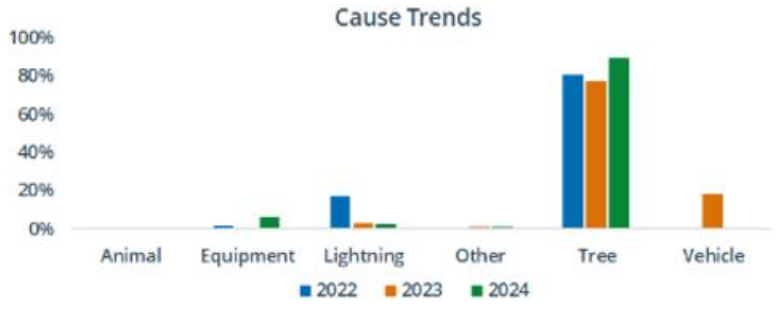
East Haddam



Franklin

2024 Franklin Reliability Scorecard

1,081 customers served in town



In Franklin,

The average customer experienced 1 outage every 5 months.*	Outages in your community were more frequent than the state average of 1 outage every 19 months.
The average customer experienced a 383-minute-long outage.*	Your community's outages were longer than the state average of 75 minutes.

When an outage occurred, it took Eversource an average of 154 minutes to restore power.

519 customers experienced 3 or more outages.
121 customers experienced an outage that lasted 7 or more hours.

What does this mean for you?

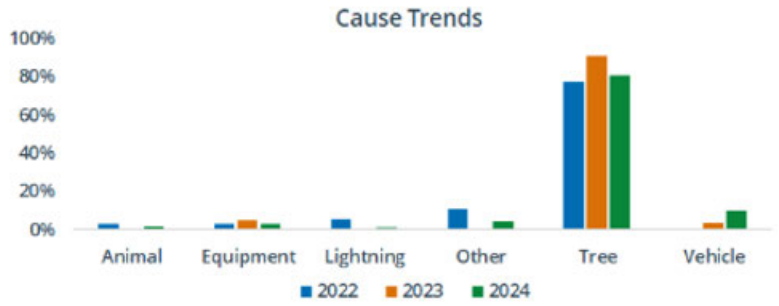
This information is meant to help you understand how frequently outages occur and how long they last, on average, in your community. It also shows you how your community compares to the state's averages. Those that do lose power may be restored faster or be without power longer than the average.

*This includes all customers in your community even if they did not experience an outage.

Haddam

2024 Haddam Reliability Scorecard

4,211 customers served in town



In Haddam,

The average customer experienced 1 outage every 7 months.*	Outages in your community were more frequent than the state average of 1 outage every 19 months.
The average customer experienced a 284-minute-long outage.*	Your community's outages were longer than the state average of 75 minutes.

When an outage occurred, it took Eversource an average of 169 minutes to restore power.

1,026 customers experienced 3 or more outages.
146 customers experienced an outage that lasted 7 or more hours.

What does this mean for you?

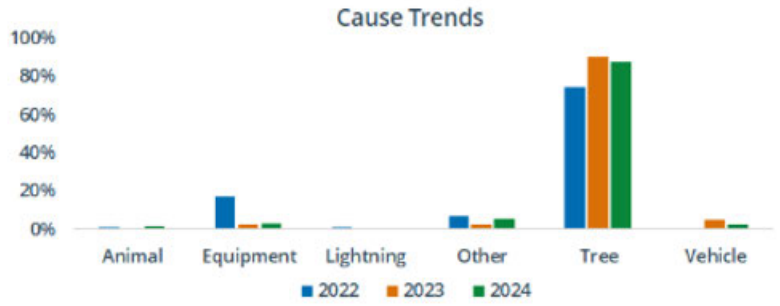
This information is meant to help you understand how frequently outages occur and how long they last, on average, in your community. It also shows you how your community compares to the state's averages. Those that do lose power may be restored faster or be without power longer than the average.

*This includes all customers in your community even if they did not experience an outage.

Salem

2024 Salem Reliability Scorecard

2,144 customers served in town



In Salem,

The average customer experienced 1 outage every 9 months.*	Outages in your community were more frequent than the state average of 1 outage every 19 months.
The average customer experienced a 100-minute-long outage.*	Your community's outages were longer than the state average of 75 minutes.

When an outage occurred, it took Eversource an average of 74 minutes to restore power.

484 customers experienced 3 or more outages.
106 customers experienced an outage that lasted 7 or more hours.

What does this mean for you?

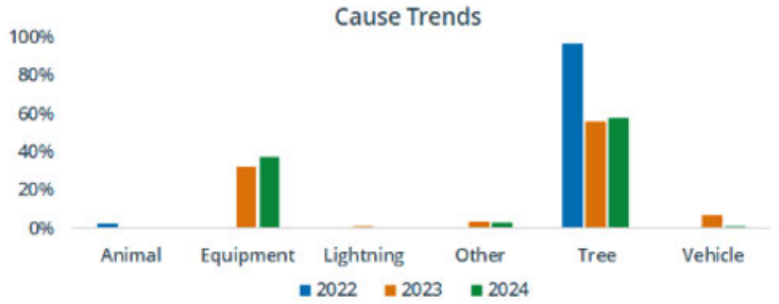
This information is meant to help you understand how frequently outages occur and how long they last, on average, in your community. It also shows you how your community compares to the state's averages. Those that do lose power may be restored faster or be without power longer than the average.

*This includes all customers in your community even if they did not experience an outage.

Sterling

2024 Sterling Reliability Scorecard

1,781 customers served in town



In Sterling,

The average customer experienced 1 outage every 14 months.*	Outages in your community were more frequent than the state average of 1 outage every 19 months.
The average customer experienced a 201-minute-long outage.*	Your community's outages were longer than the state average of 75 minutes.

When an outage occurred, it took Eversource an average of 238 minutes to restore power.

156 customers experienced 3 or more outages.
303 customers experienced an outage that lasted 7 or more hours.

What does this mean for you?

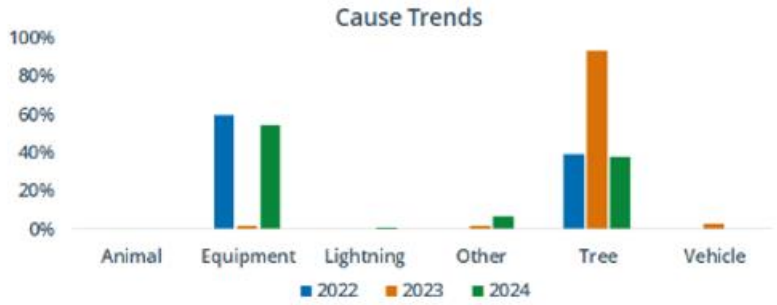
This information is meant to help you understand how frequently outages occur and how long they last, on average, in your community. It also shows you how your community compares to the state's averages. Those that do lose power may be restored faster or be without power longer than the average.

*This includes all customers in your community even if they did not experience an outage.

Voluntown

2024 Voluntown Reliability Scorecard

1,386 customers served in town



In Voluntown,

The average customer experienced 1 outage every 7 months.*	Outages in your community were more frequent than the state average of 1 outage every 19 months.
The average customer experienced a 368-minute-long outage.*	Your community's outages were longer than the state average of 75 minutes.

When an outage occurred, it took Eversource an average of 209 minutes to restore power.

483 customers experienced 3 or more outages.
304 customers experienced an outage that lasted 7 or more hours.

What does this mean for you?

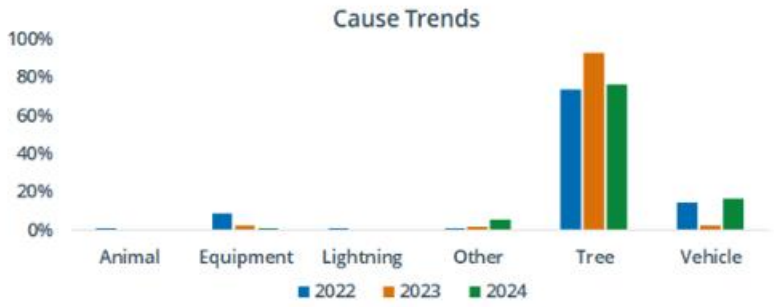
This information is meant to help you understand how frequently outages occur and how long they last, on average, in your community. It also shows you how your community compares to the state's averages. Those that do lose power may be restored faster or be without power longer than the average.

*This includes all customers in your community even if they did not experience an outage.

Woodstock

2024 Woodstock Reliability Scorecard

4,312 customers served in town



In Woodstock,

The average customer experienced 1 outage every 10 months.*	Outages in your community were more frequent than the state average of 1 outage every 19 months.
The average customer experienced a 205-minute-long outage.*	Your community's outages were longer than the state average of 75 minutes.

When an outage occurred, it took Eversource an average of 167 minutes to restore power.

482 customers experienced 3 or more outages.
428 customers experienced an outage that lasted 7 or more hours.

What does this mean for you?

This information is meant to help you understand how frequently outages occur and how long they last, on average, in your community. It also shows you how your community compares to the state's averages. Those that do lose power may be restored faster or be without power longer than the average.

*This includes all customers in your community even if they did not experience an outage.