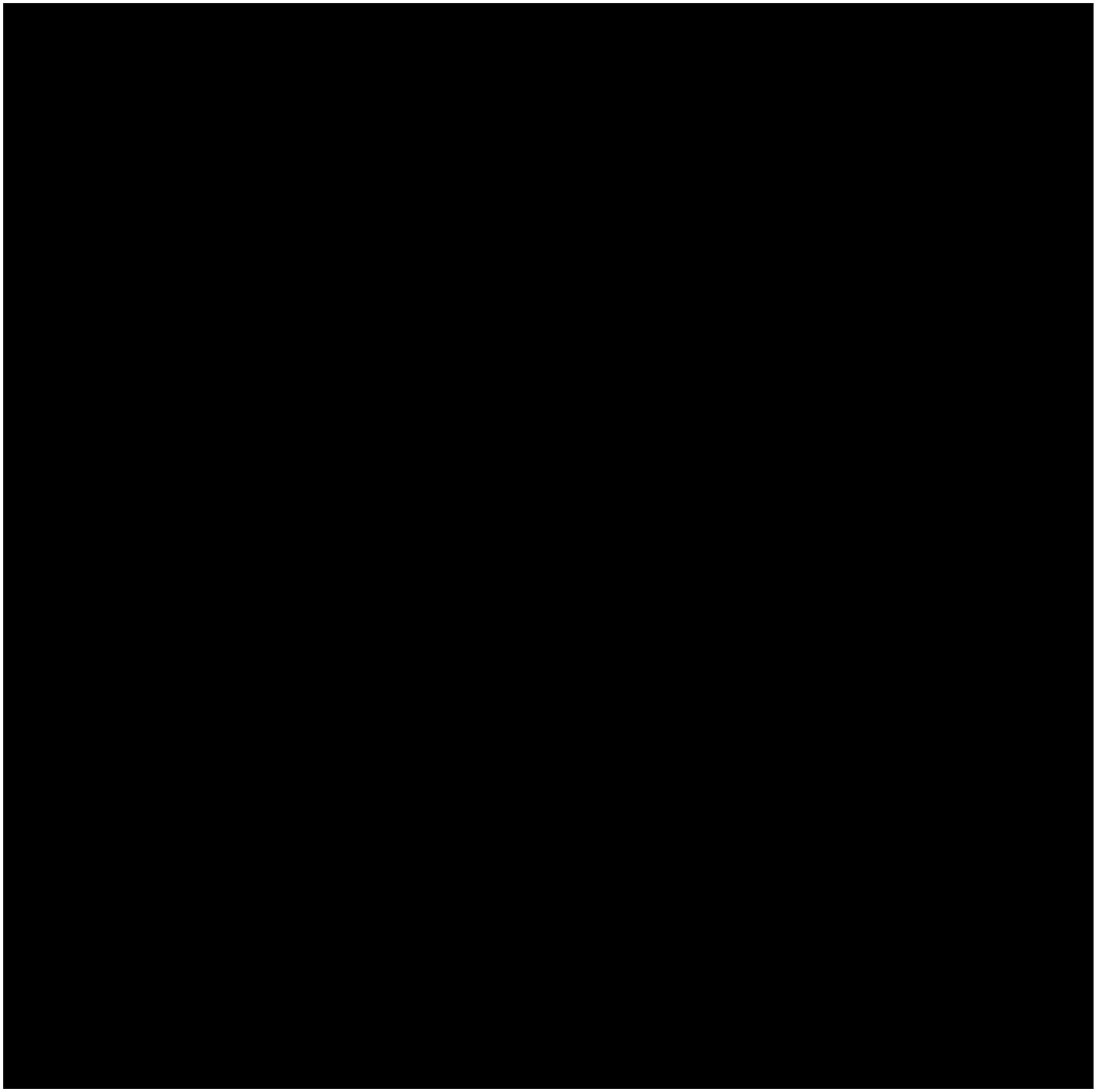

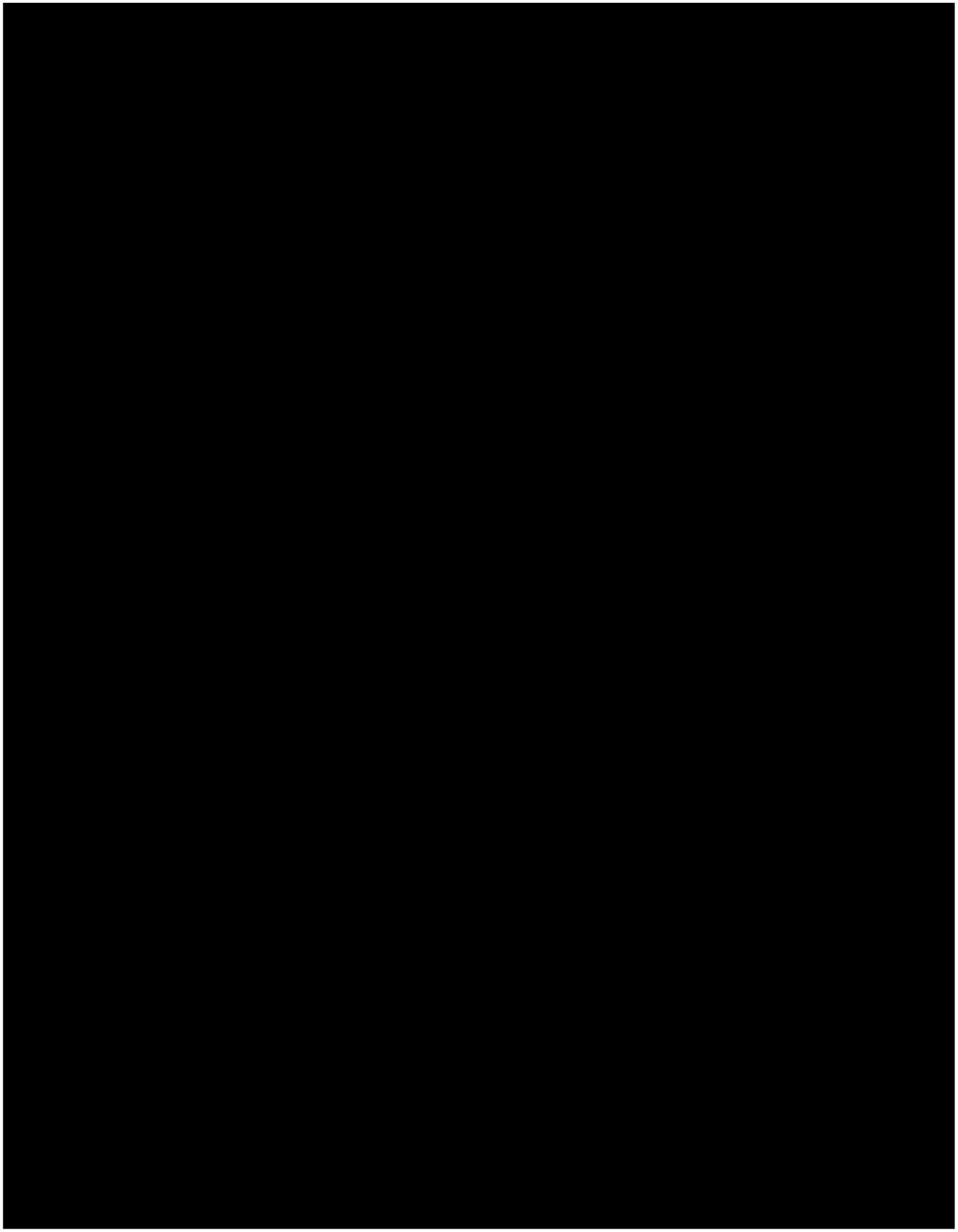

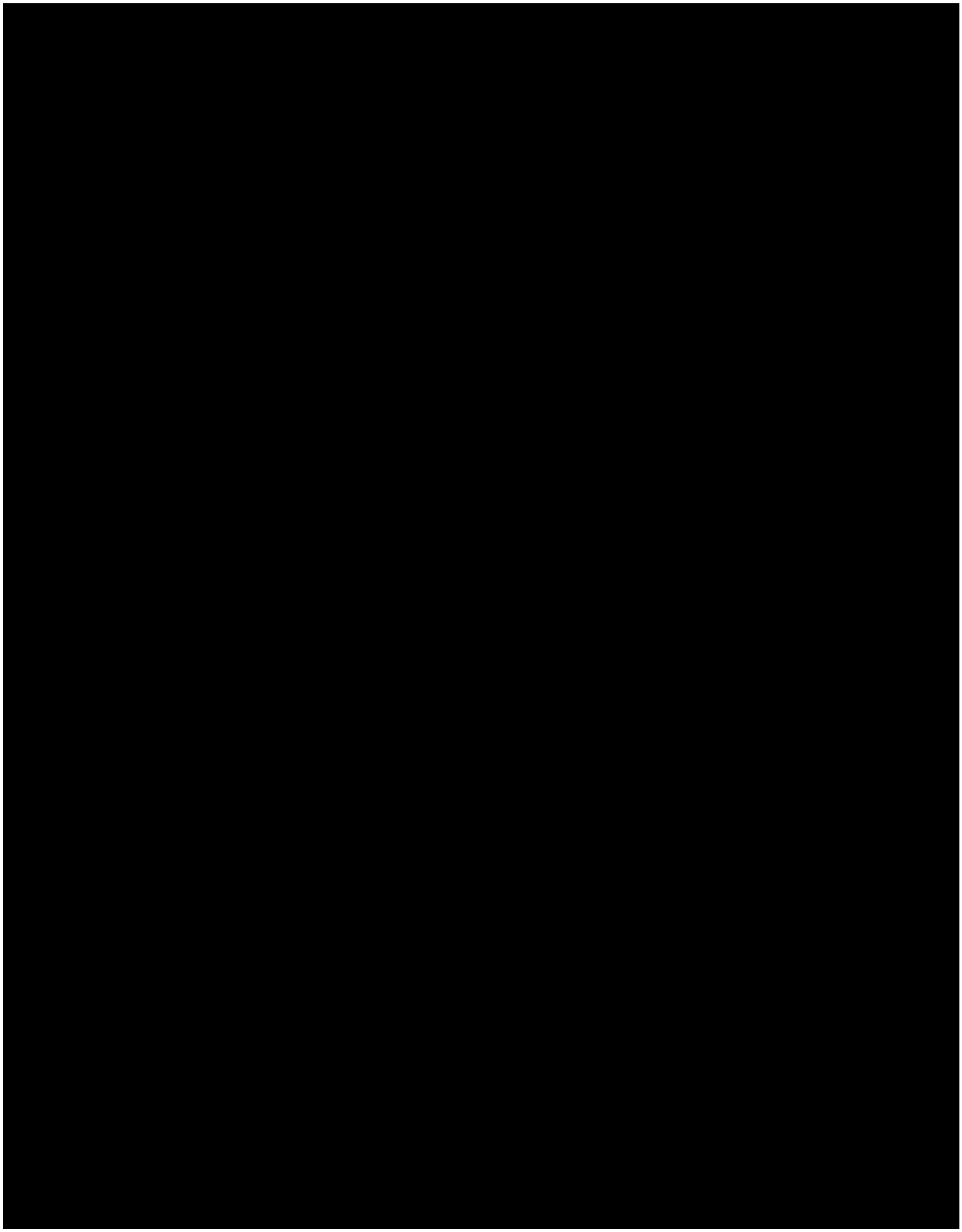

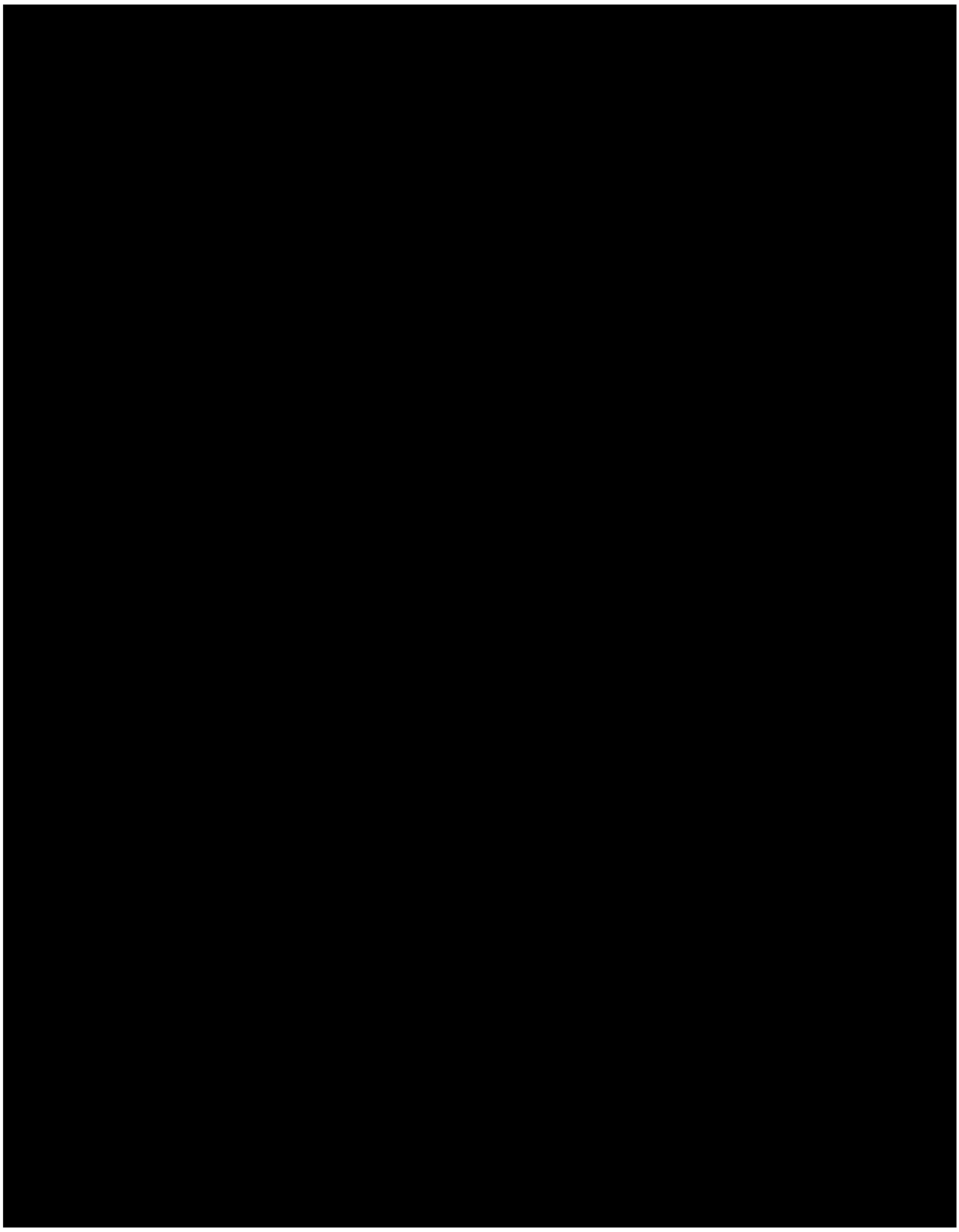

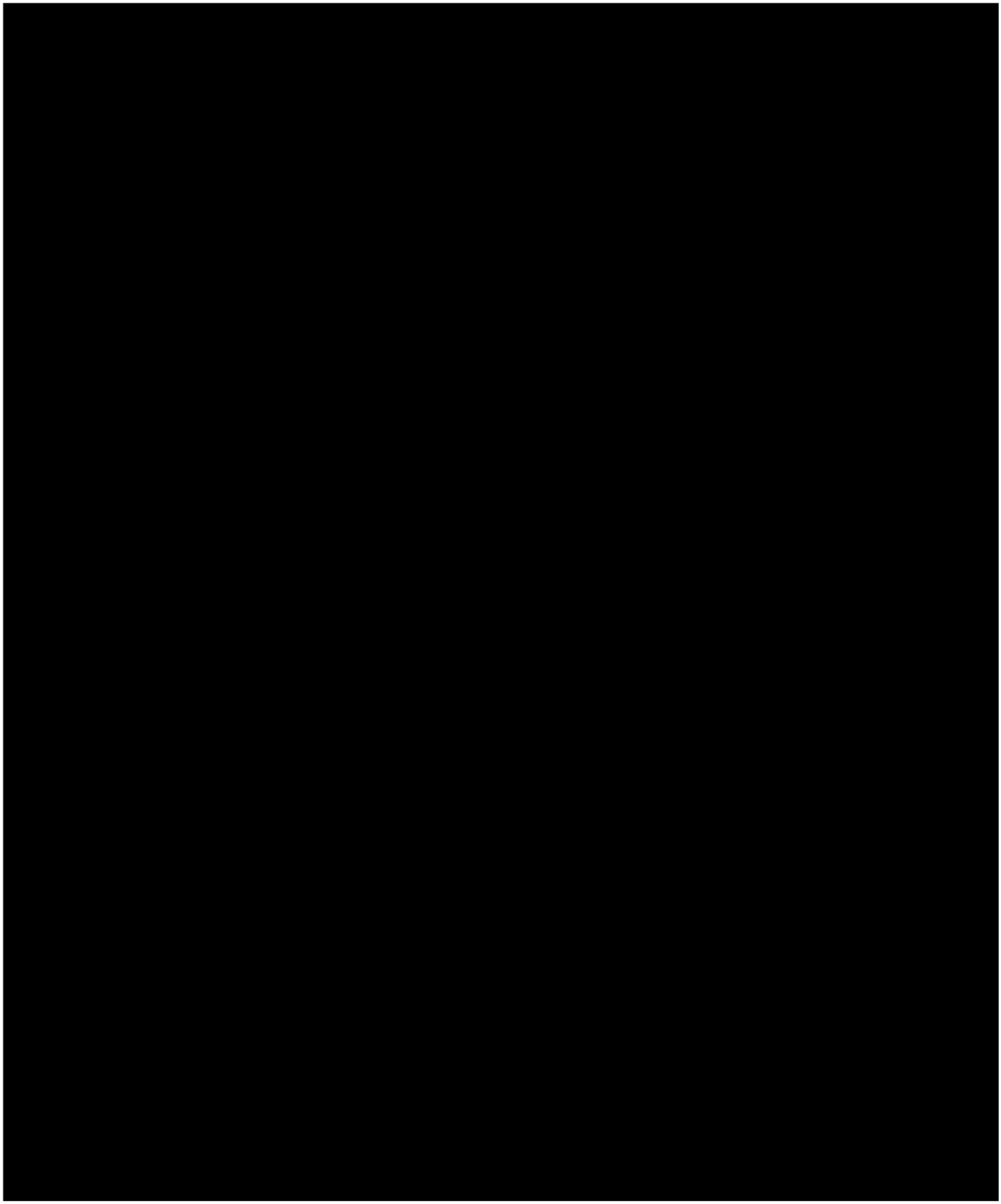

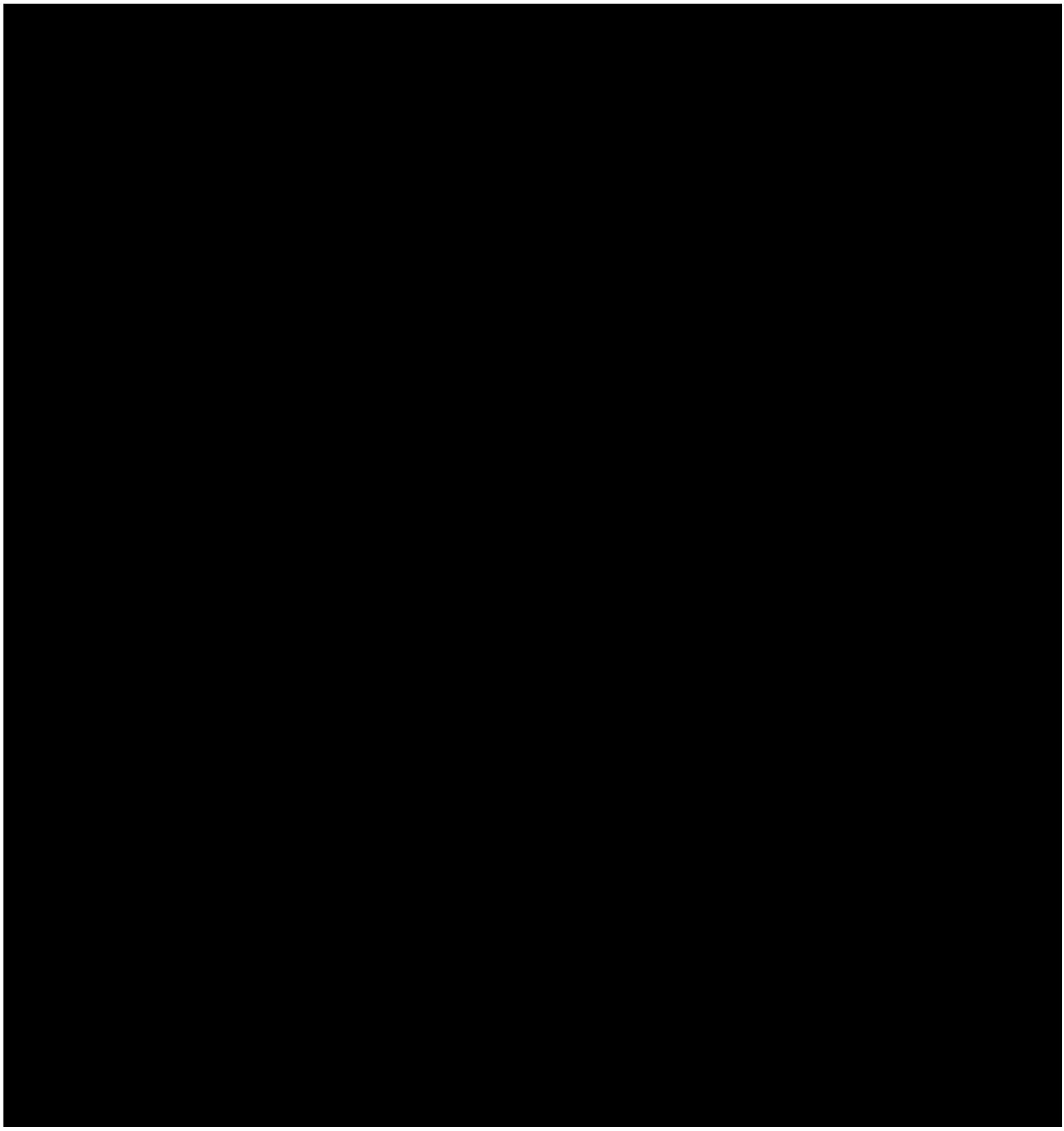

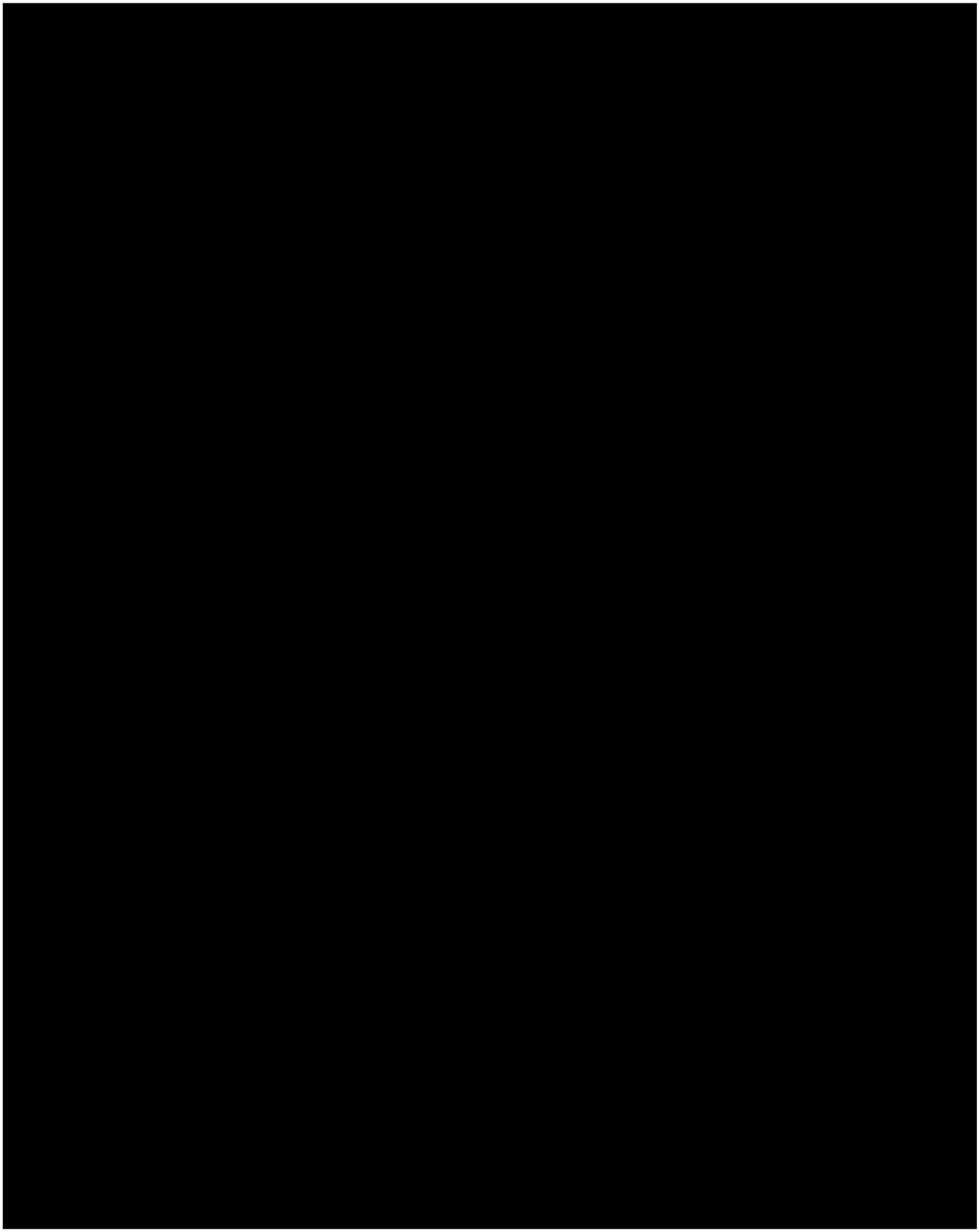

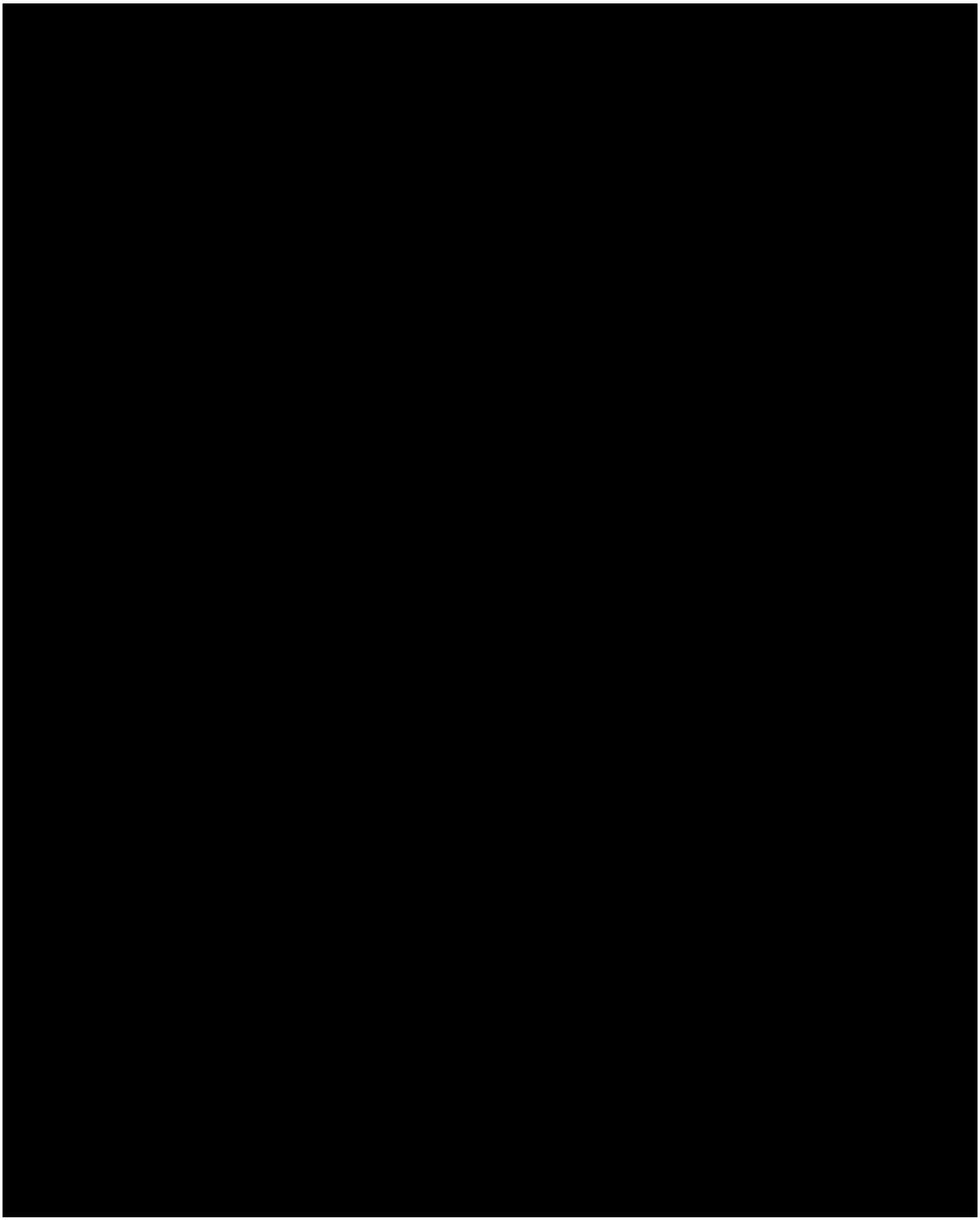

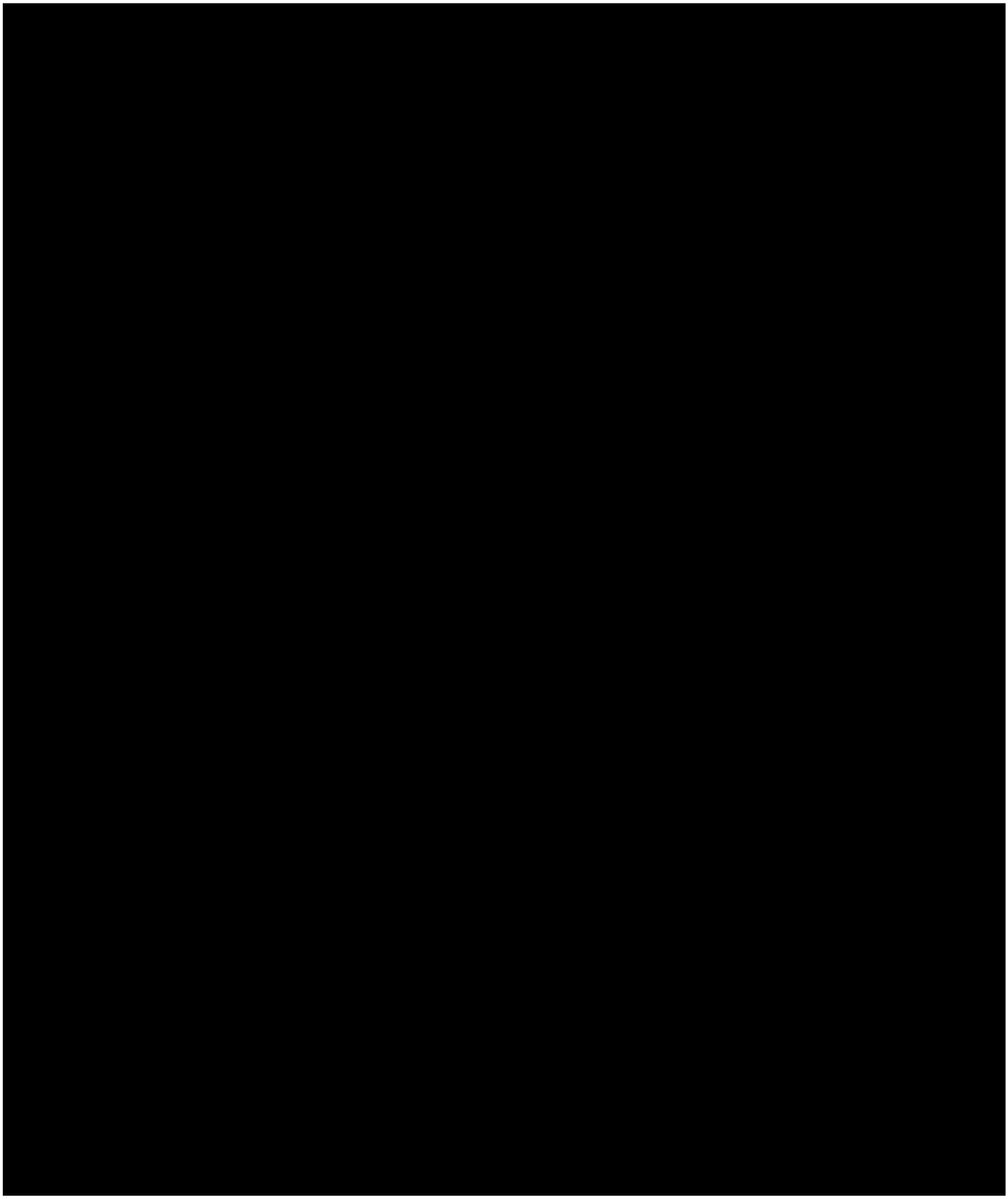

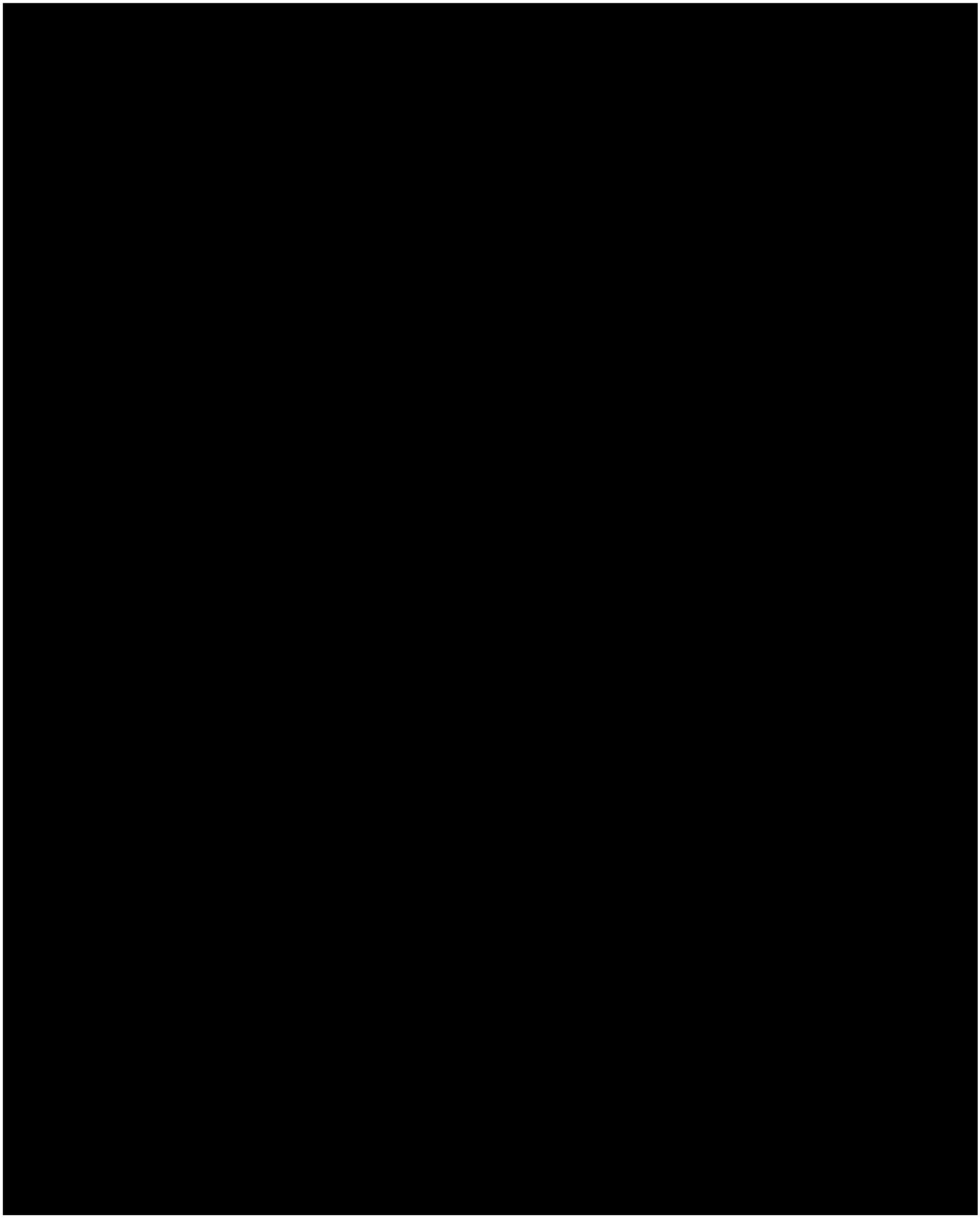

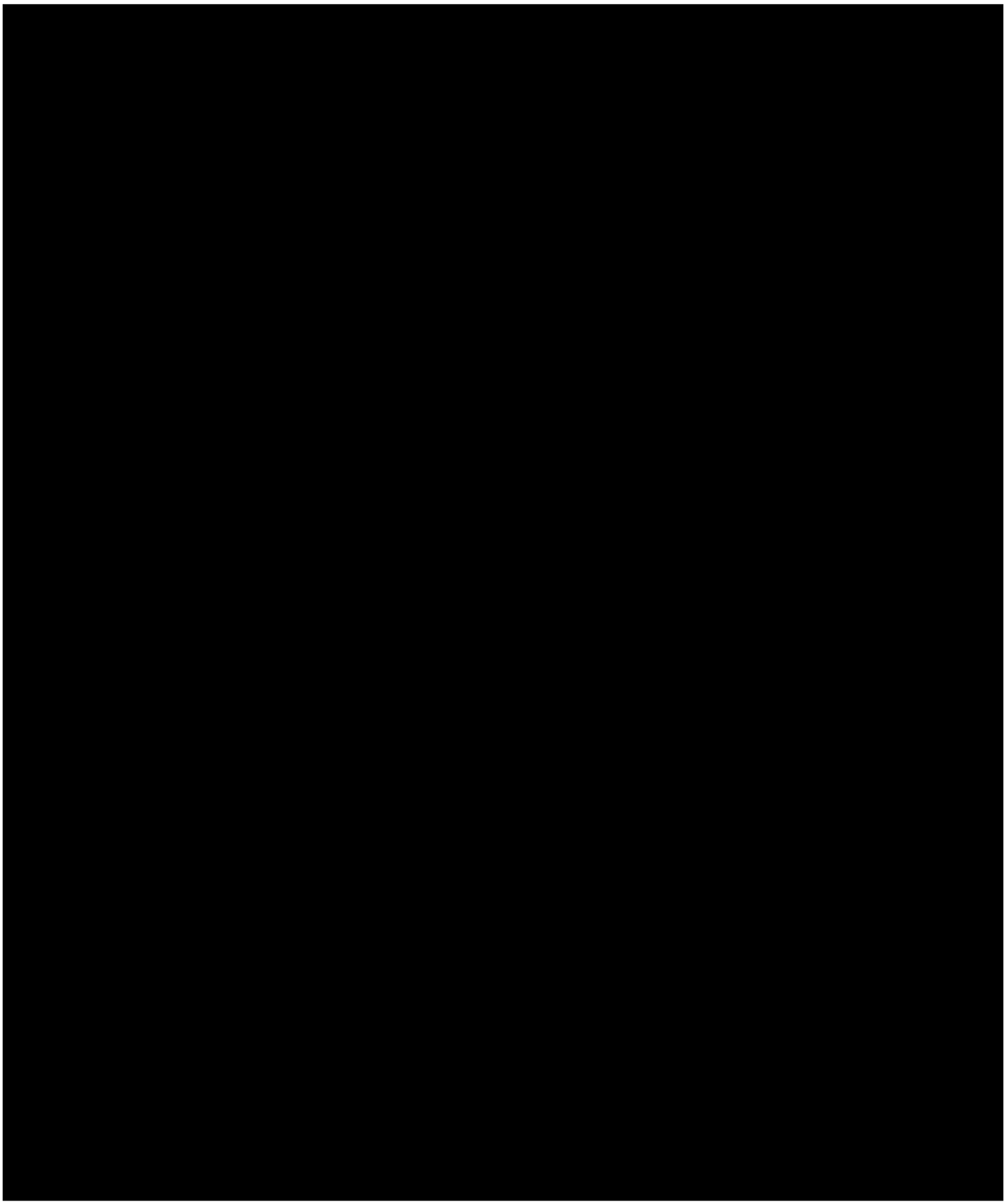

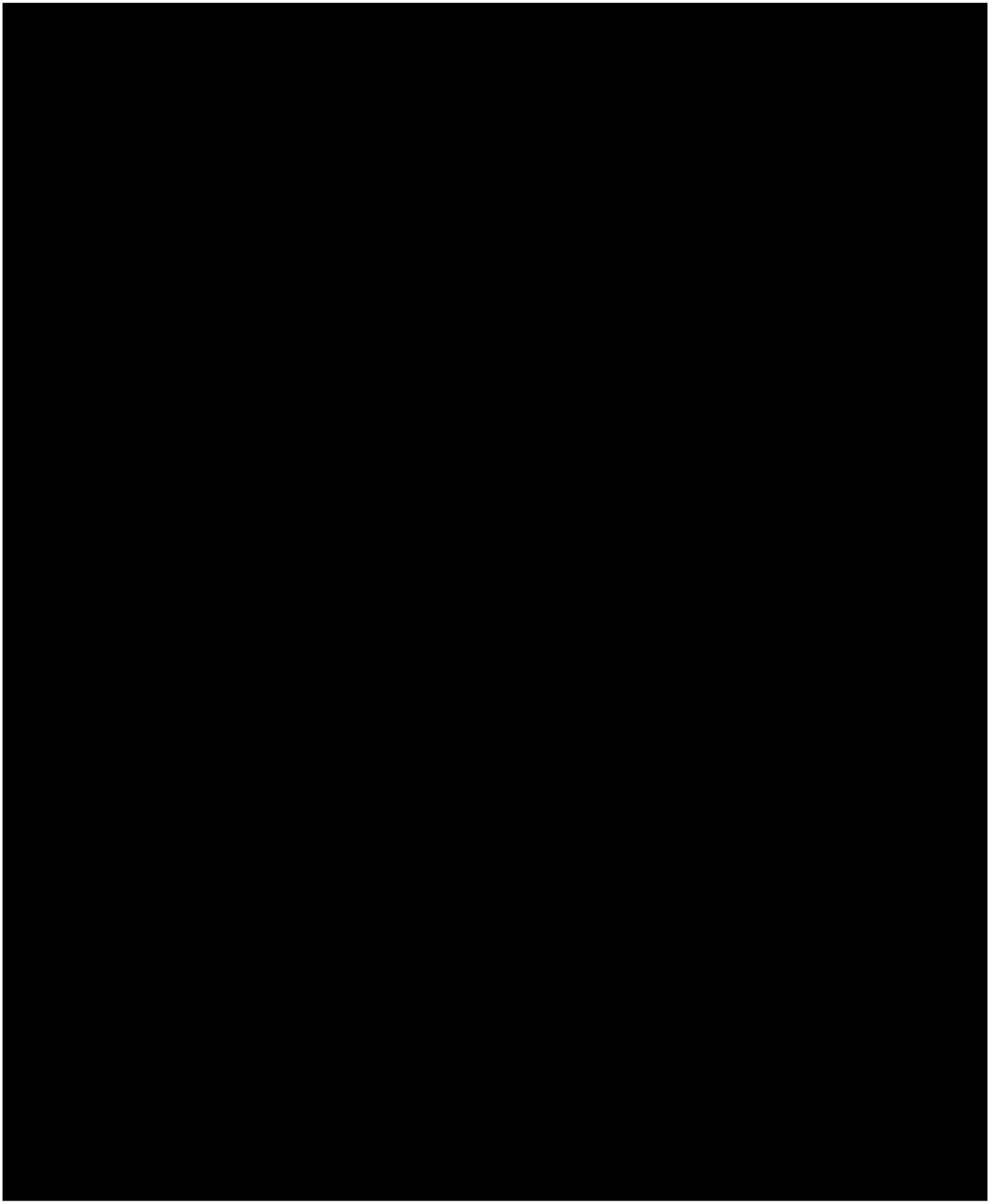

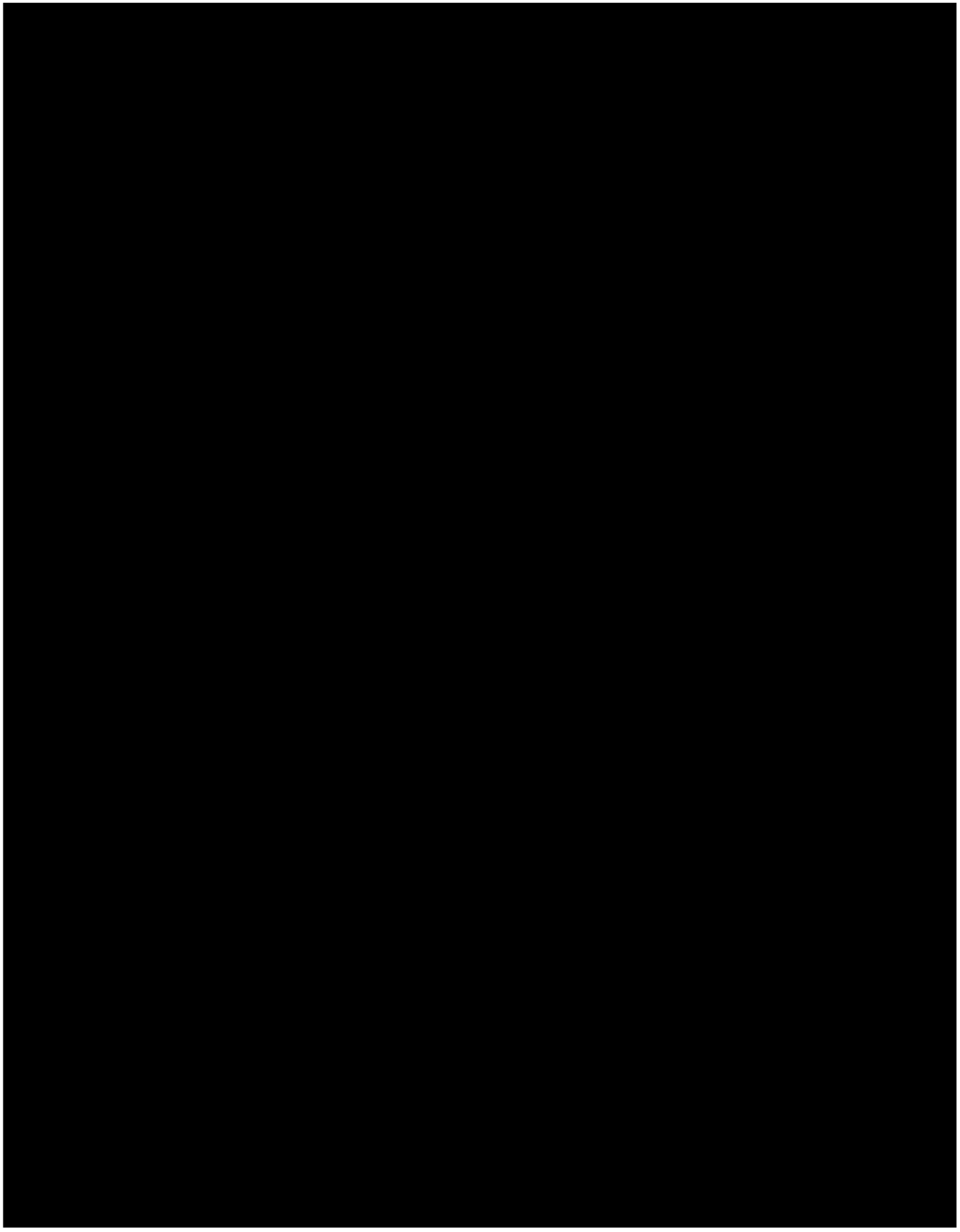

Annex G

Document Owners: Refining Technologist - OT	**Marathon Petroleum Company LP** **Refining Organization** **Operational Technology Environment Identify**	Doc No.: **OT-001** Rev No: 0 **Refining OT Practice Standard**
Approved By: Refinery General Managers, Refining IT Services Director, Refining Technology Director		
Date Approved: 12/10/2020	Next Review Date: 12/31/2023	Effective Date: 12/31/2020

Operational Technology Environment - Identify

Overview

Purpose

The purpose of this document is to establish the National Institute of Standards and Technology (NIST) Cybersecurity Framework Identify function controls and requirements for Refining OT environments to be reliable and secure in compliance with MPC Policies and Standards listed in Section 1.1.

This document also provides management directives for identifying the OT environment:

- Hardware and software assets, data communication, and workforce.
- Business environment role, critical functions, and priorities.
- Legal and regulatory requirements and organizational information security policy.
- Risks, vulnerabilities, and associated impacts to business functions.
- Risk tolerance and management process.

[redacted]

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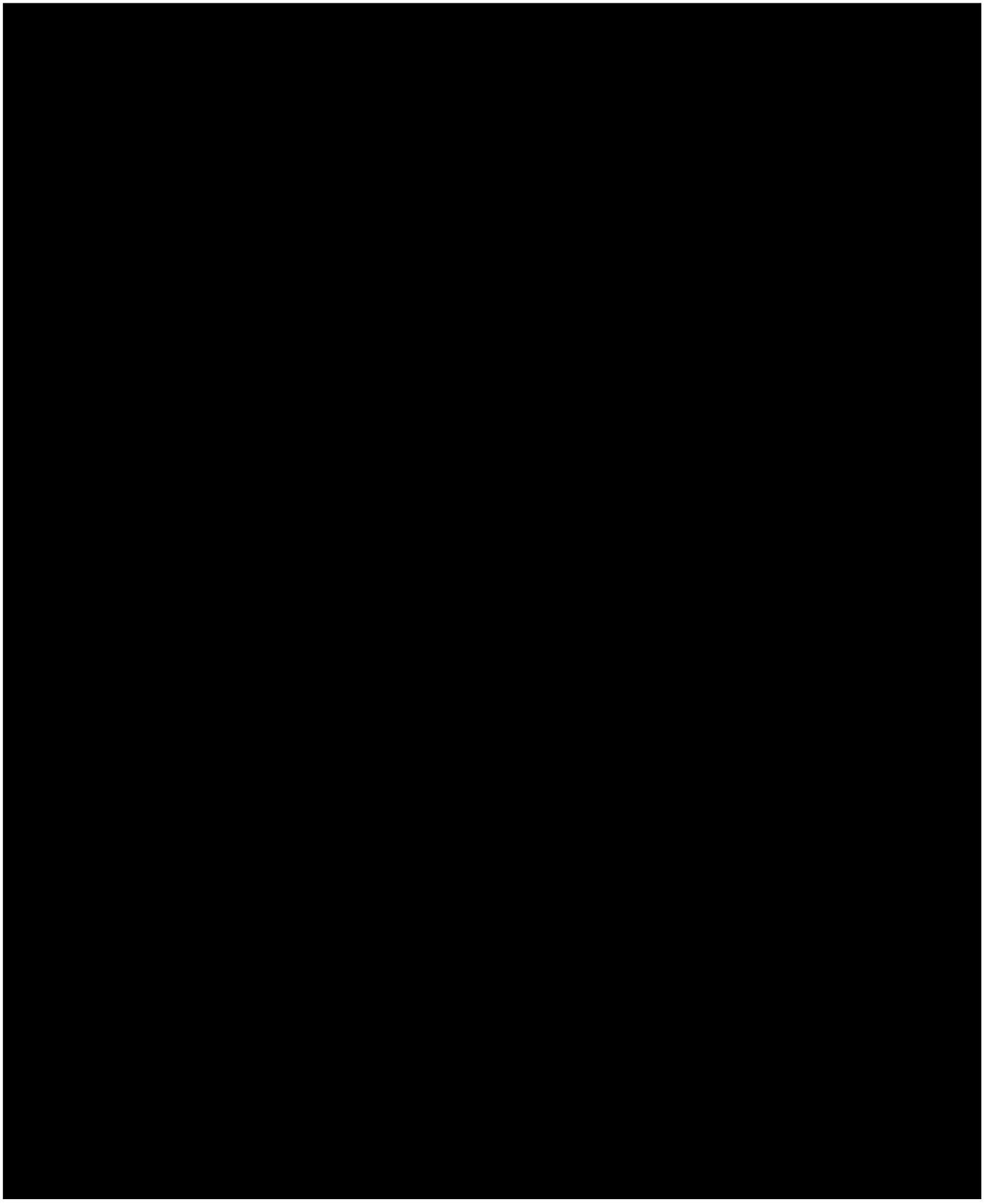
Marathon Petroleum Company LP	Refining OT Practice Standard	
Title: **Operational Technology Environment - Identify**	Doc Number: **OT-001**	Rev No: **0**



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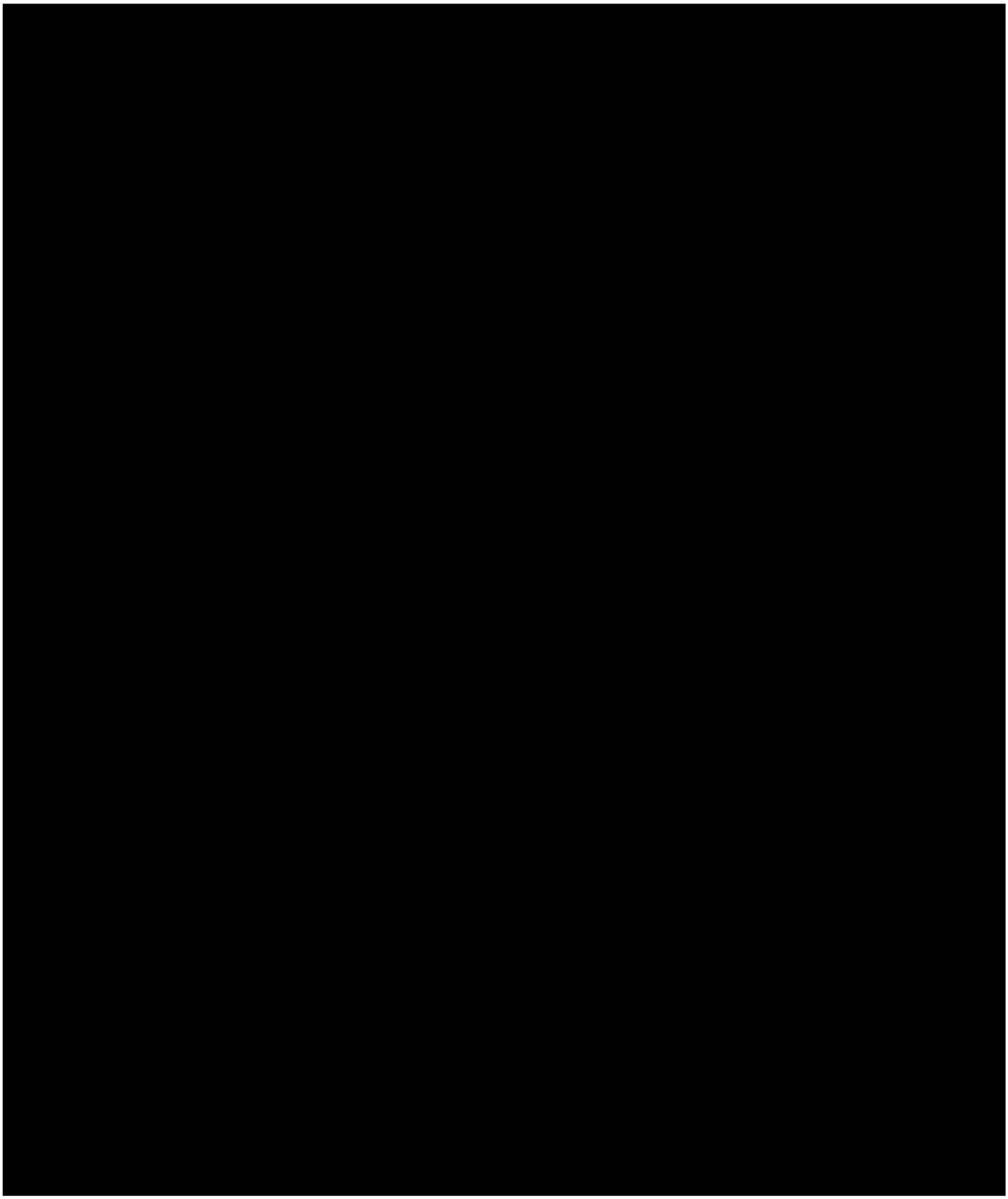

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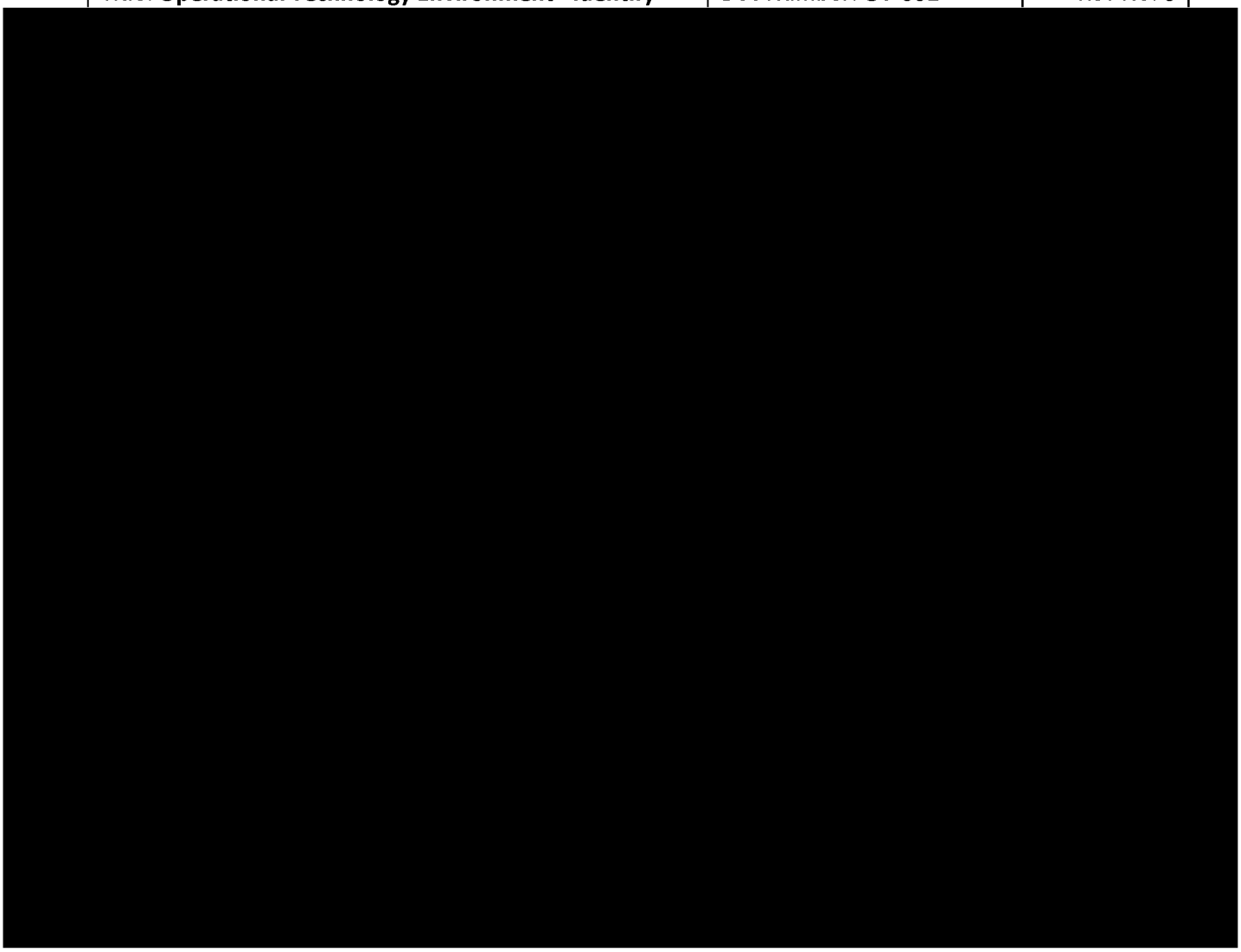

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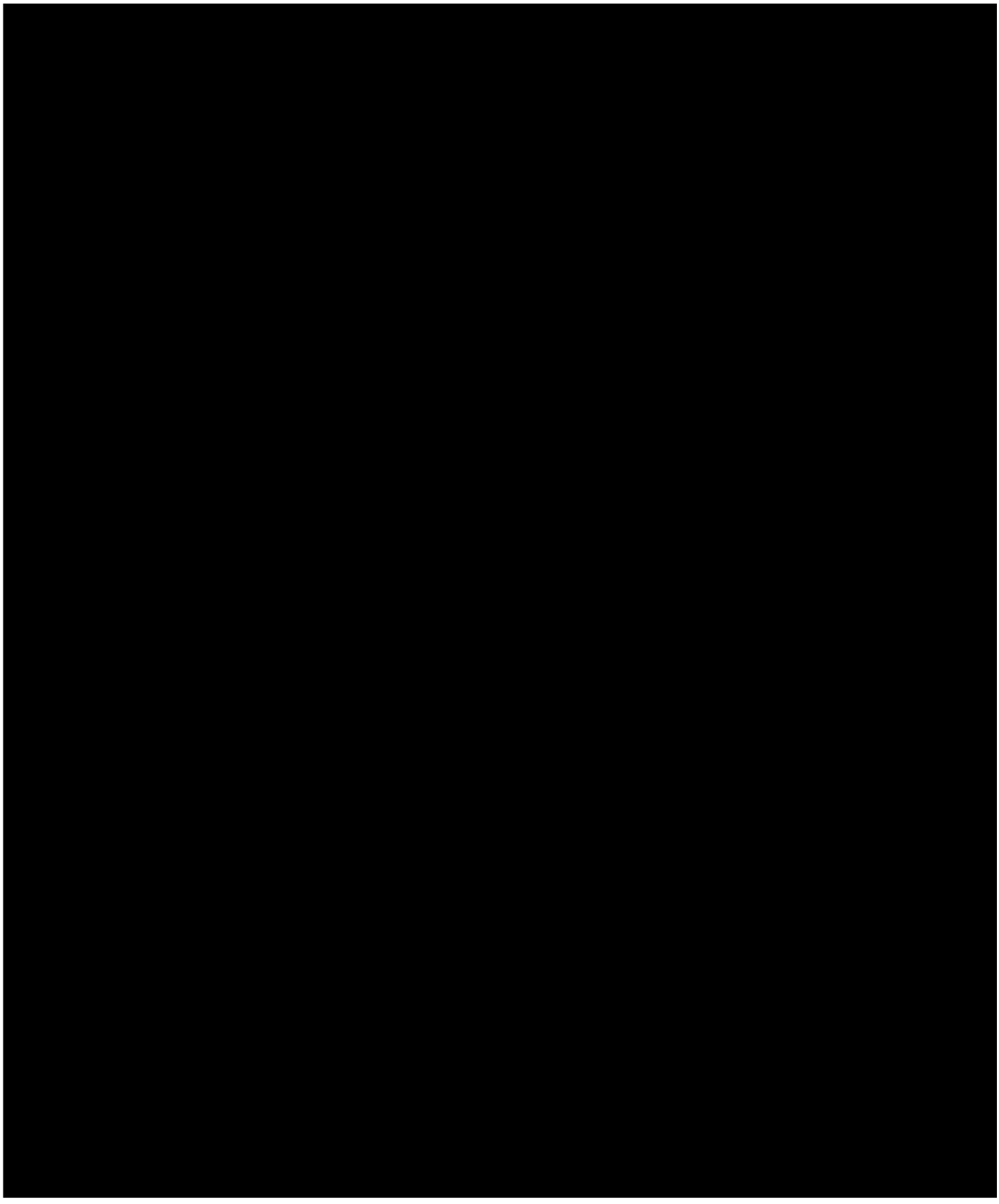

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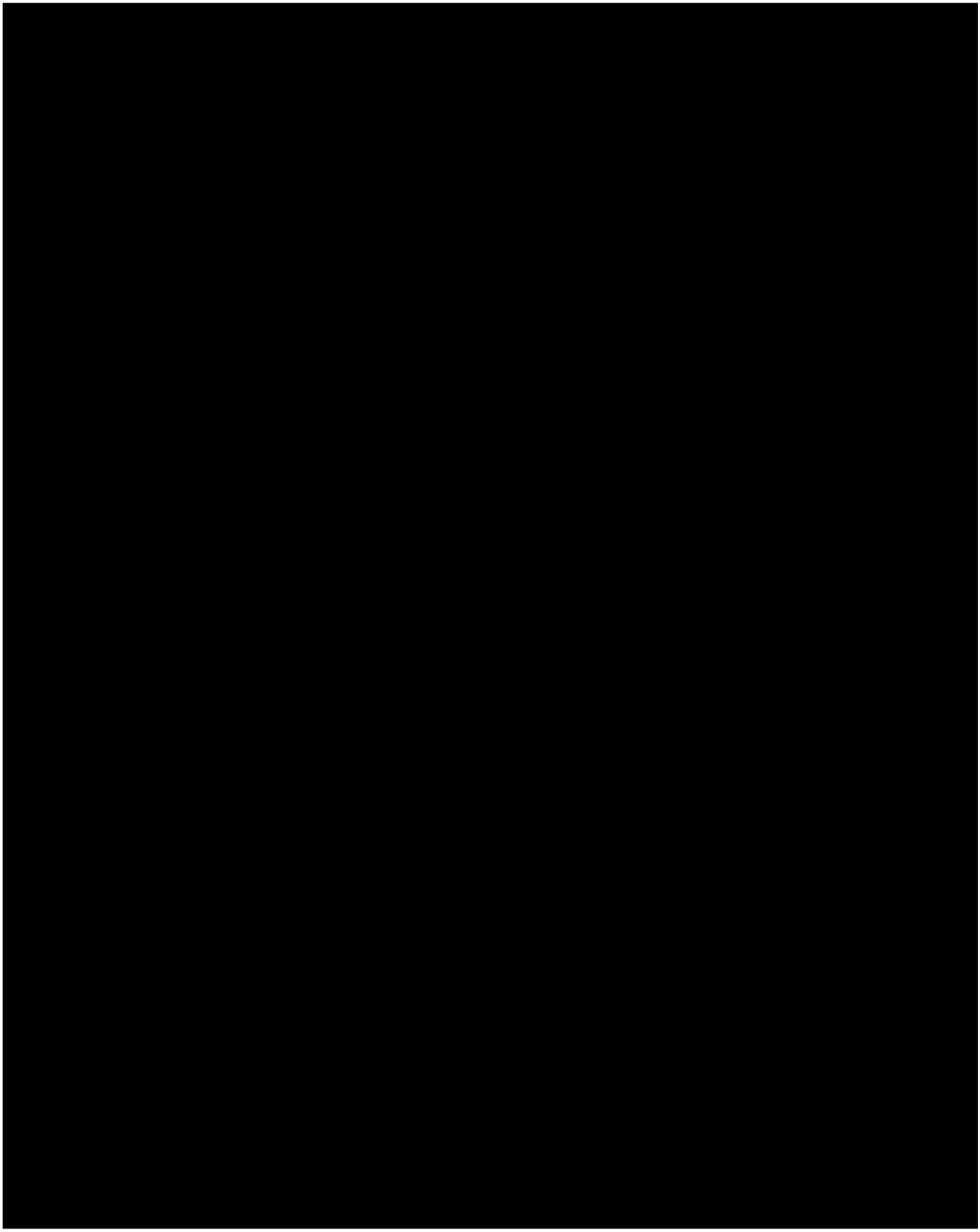

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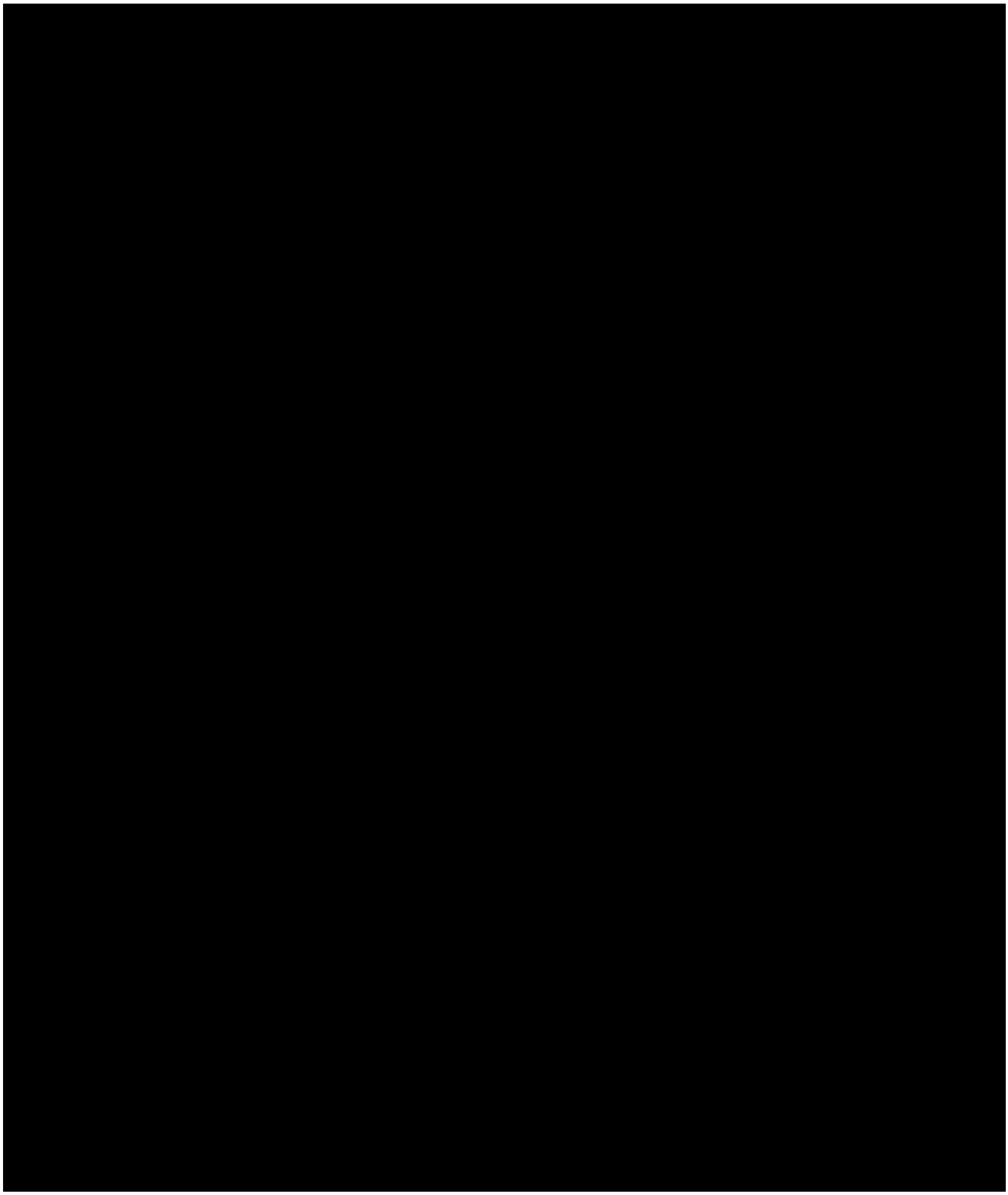

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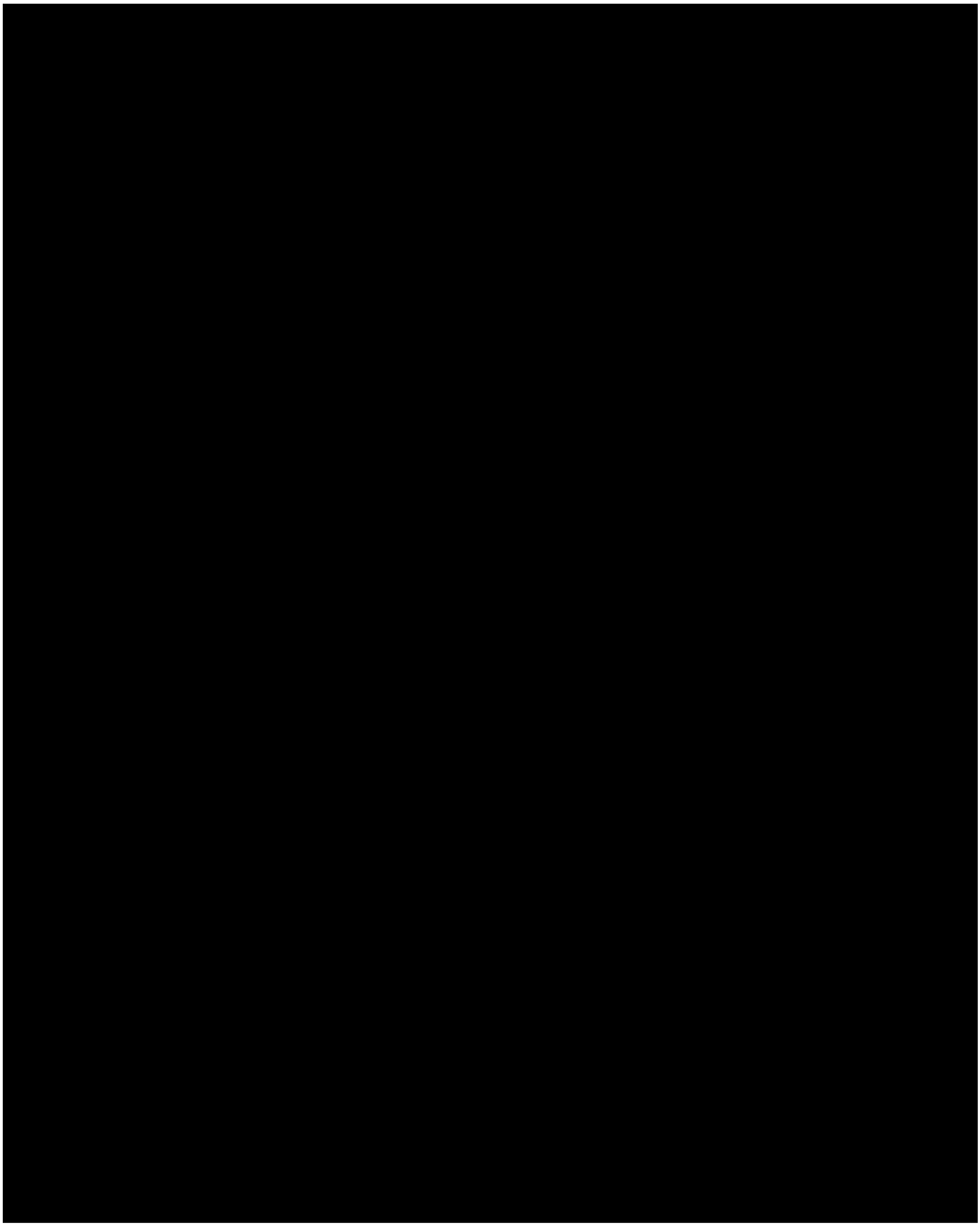

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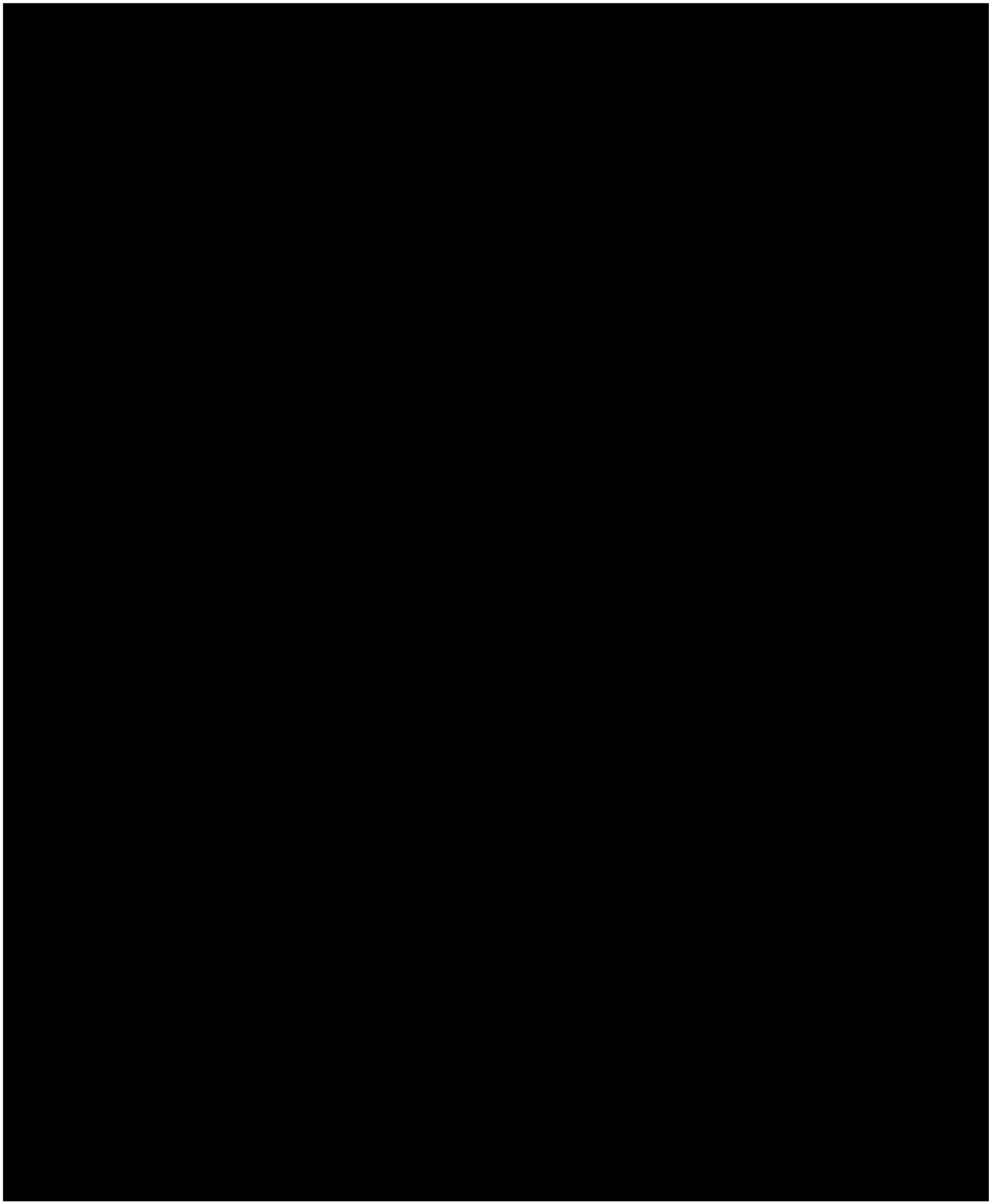

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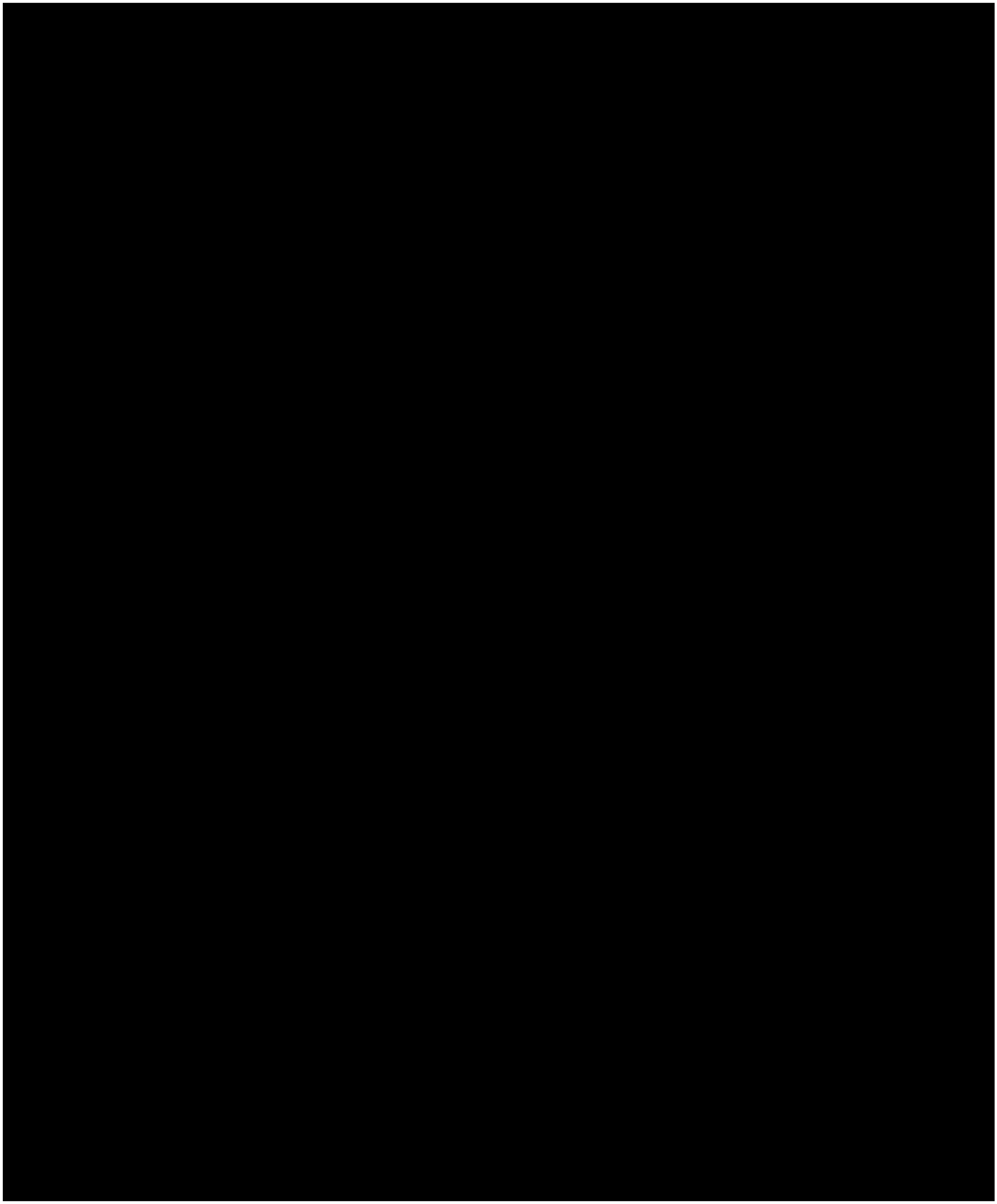

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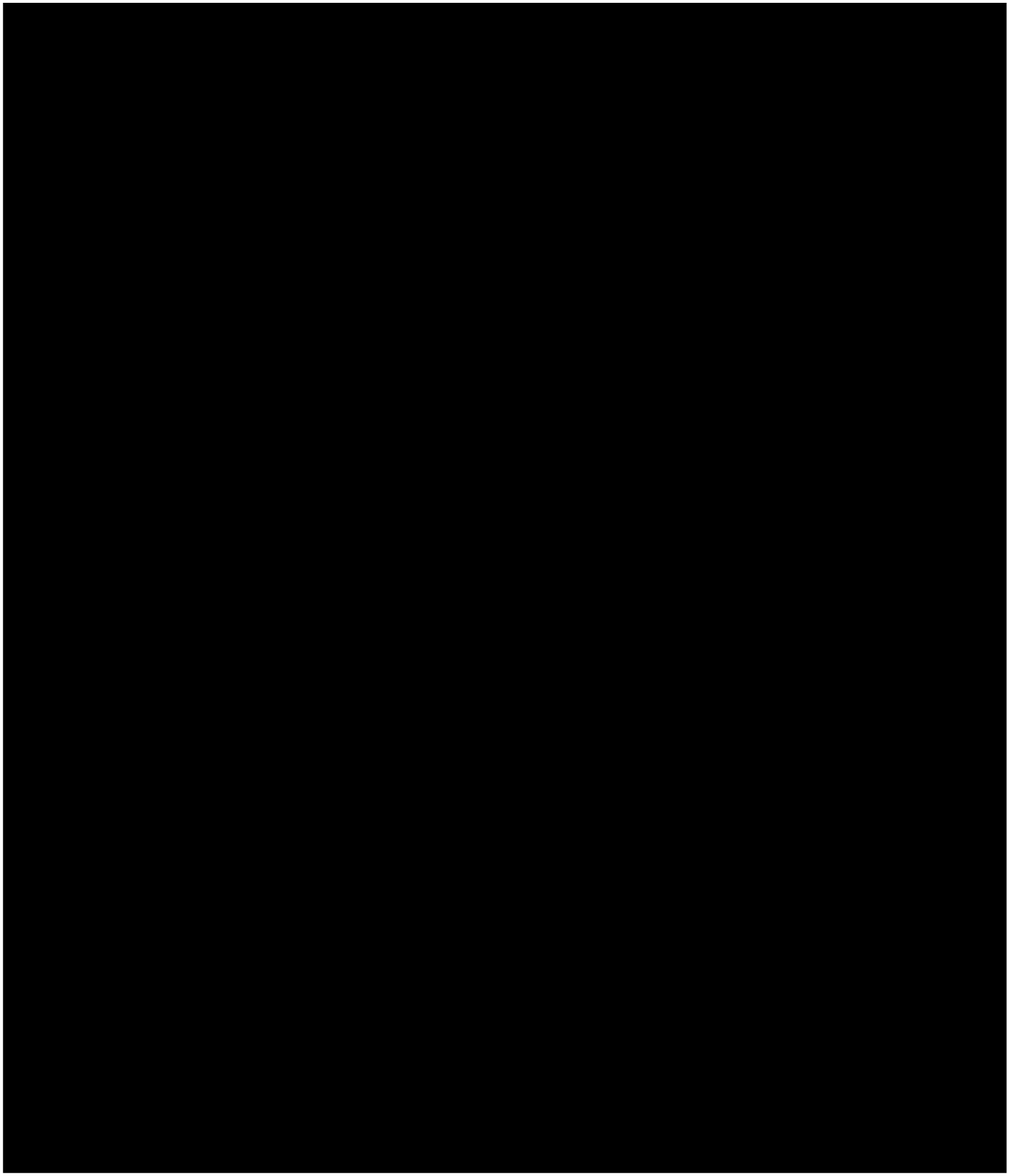

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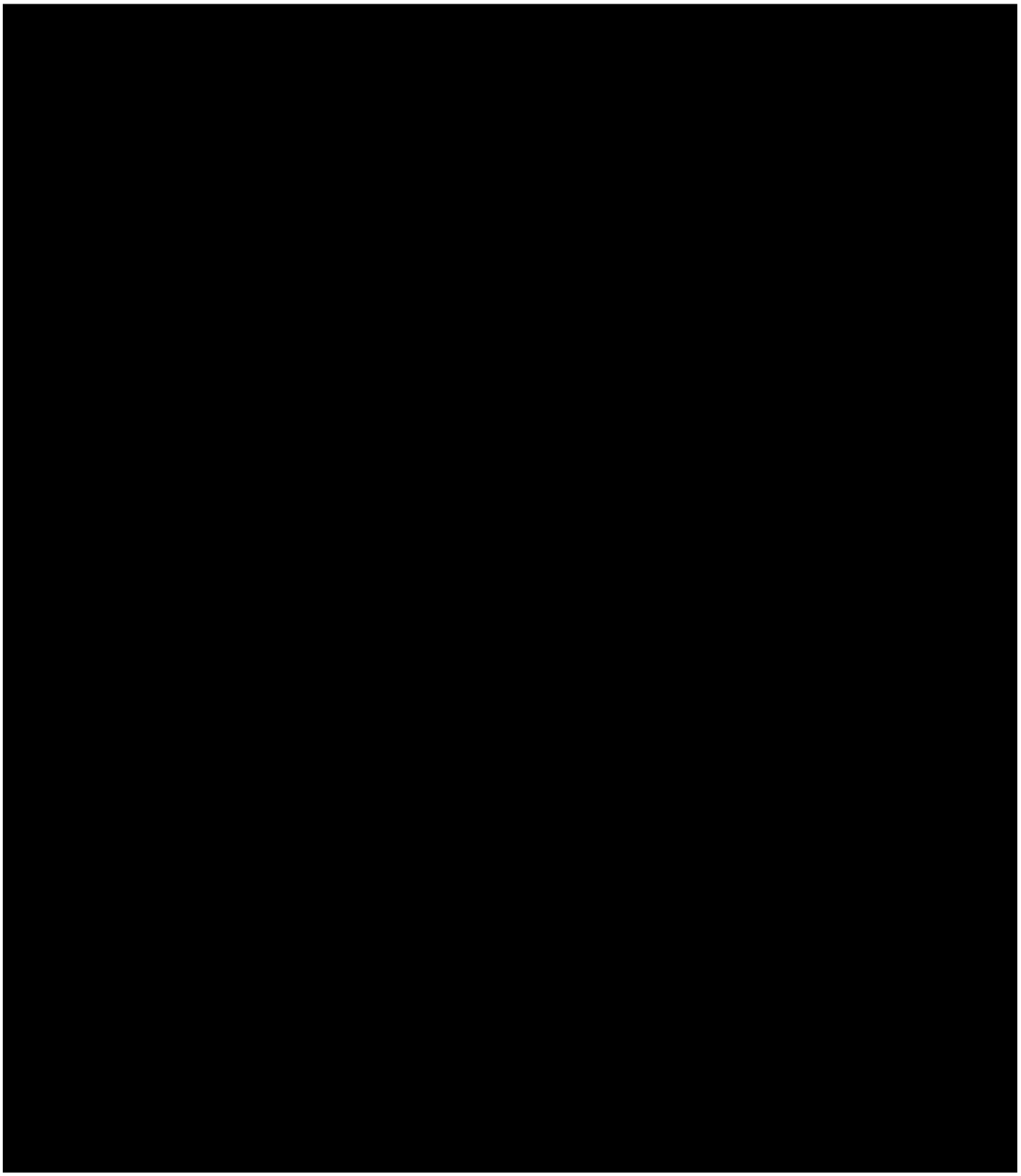

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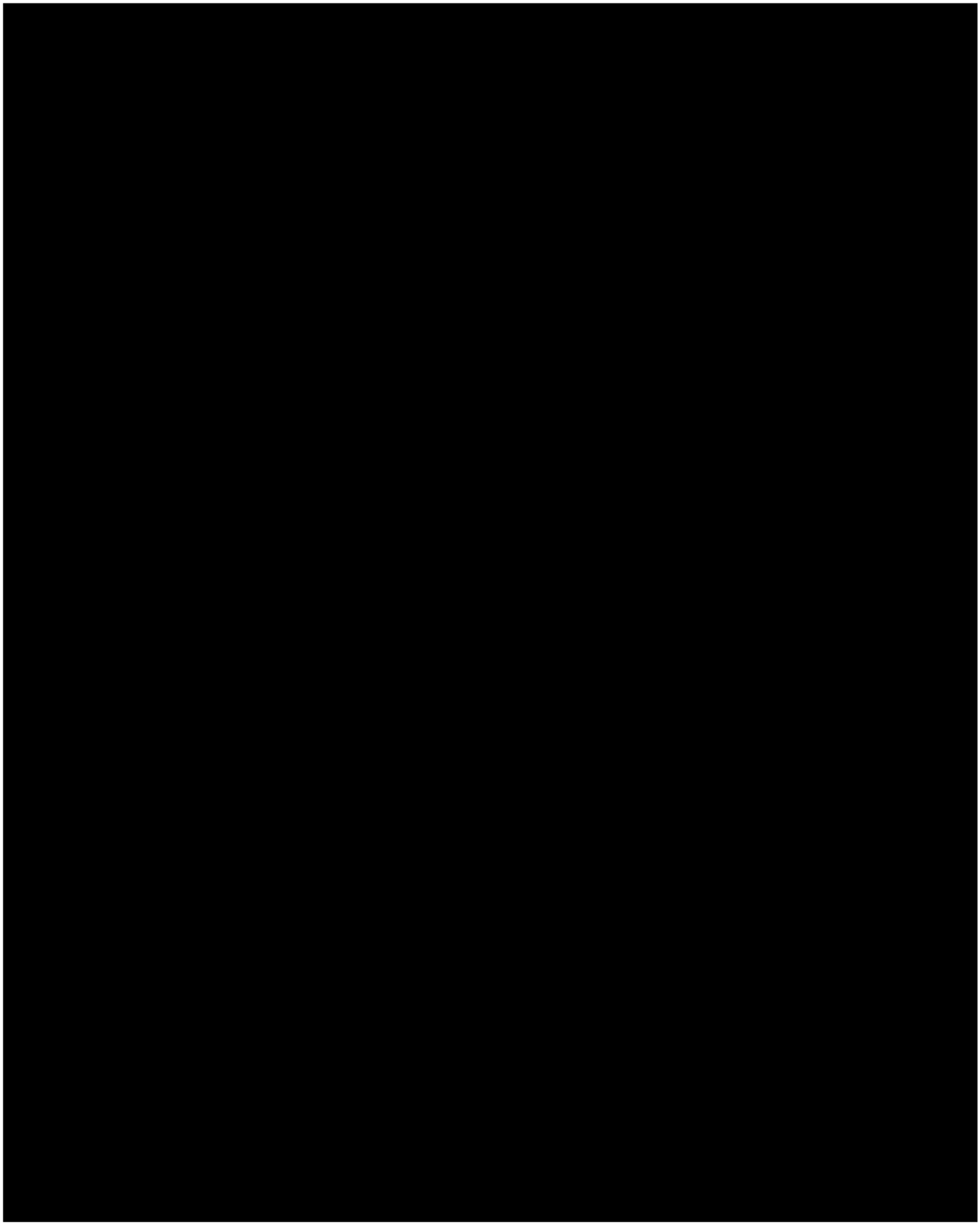

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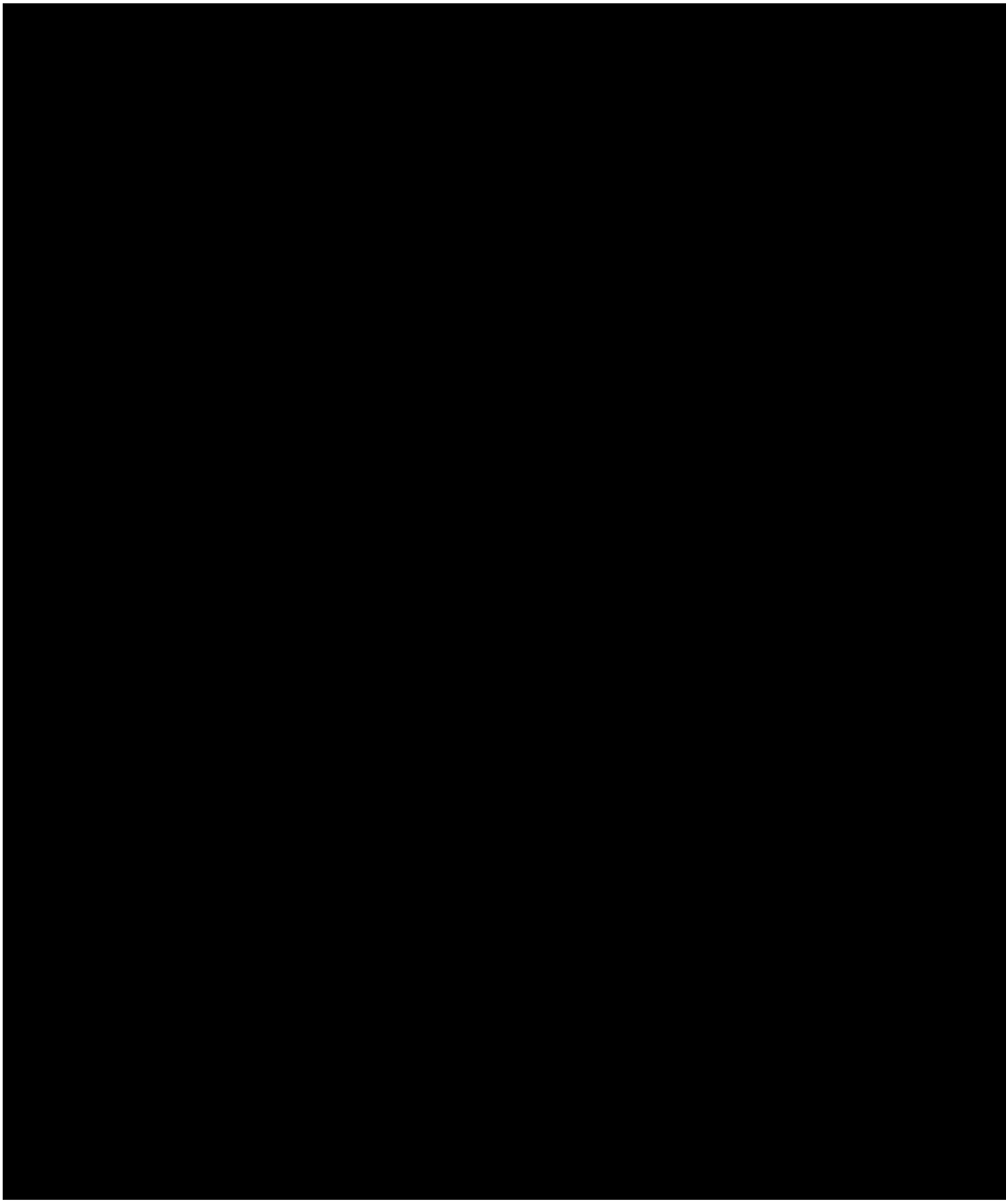

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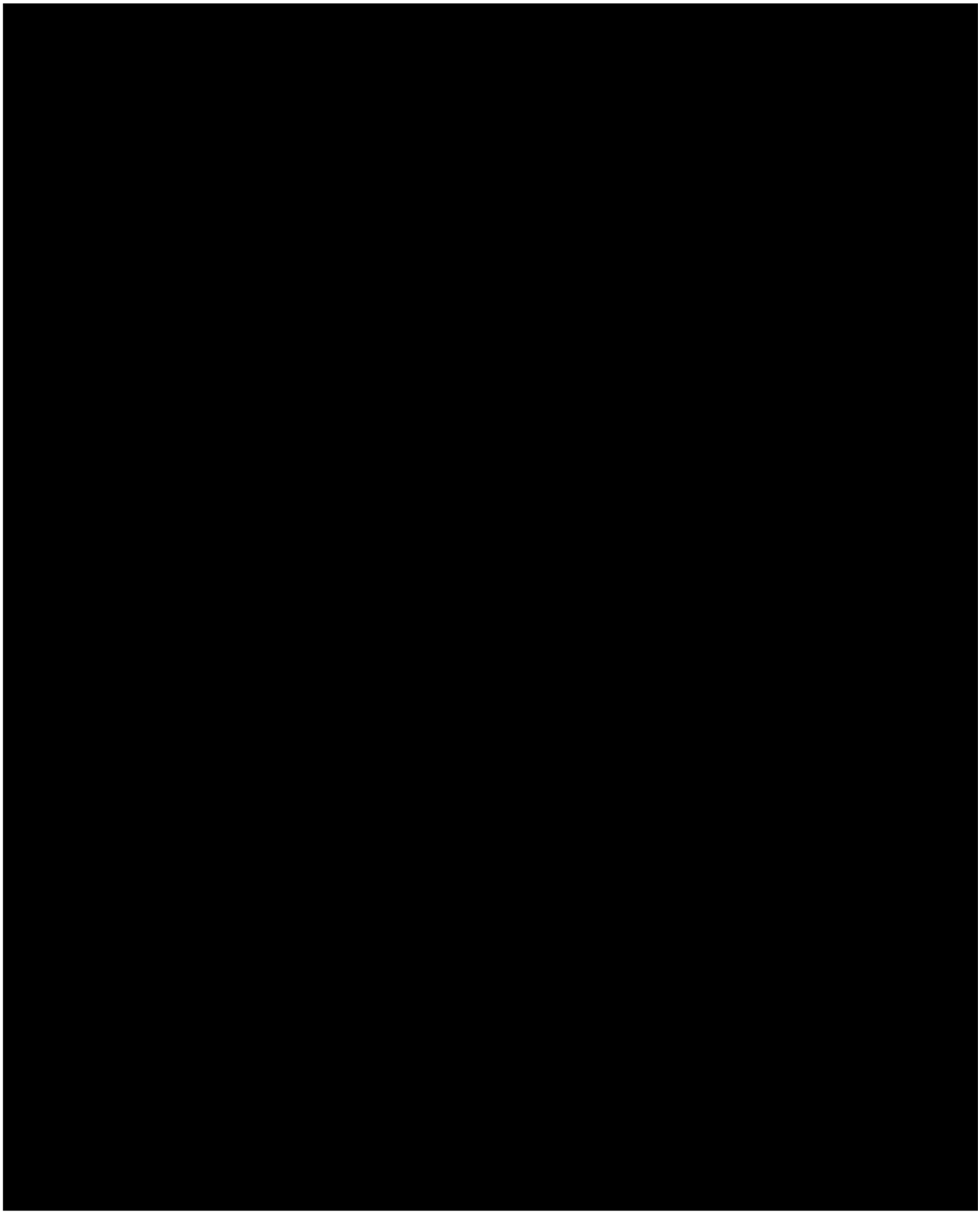

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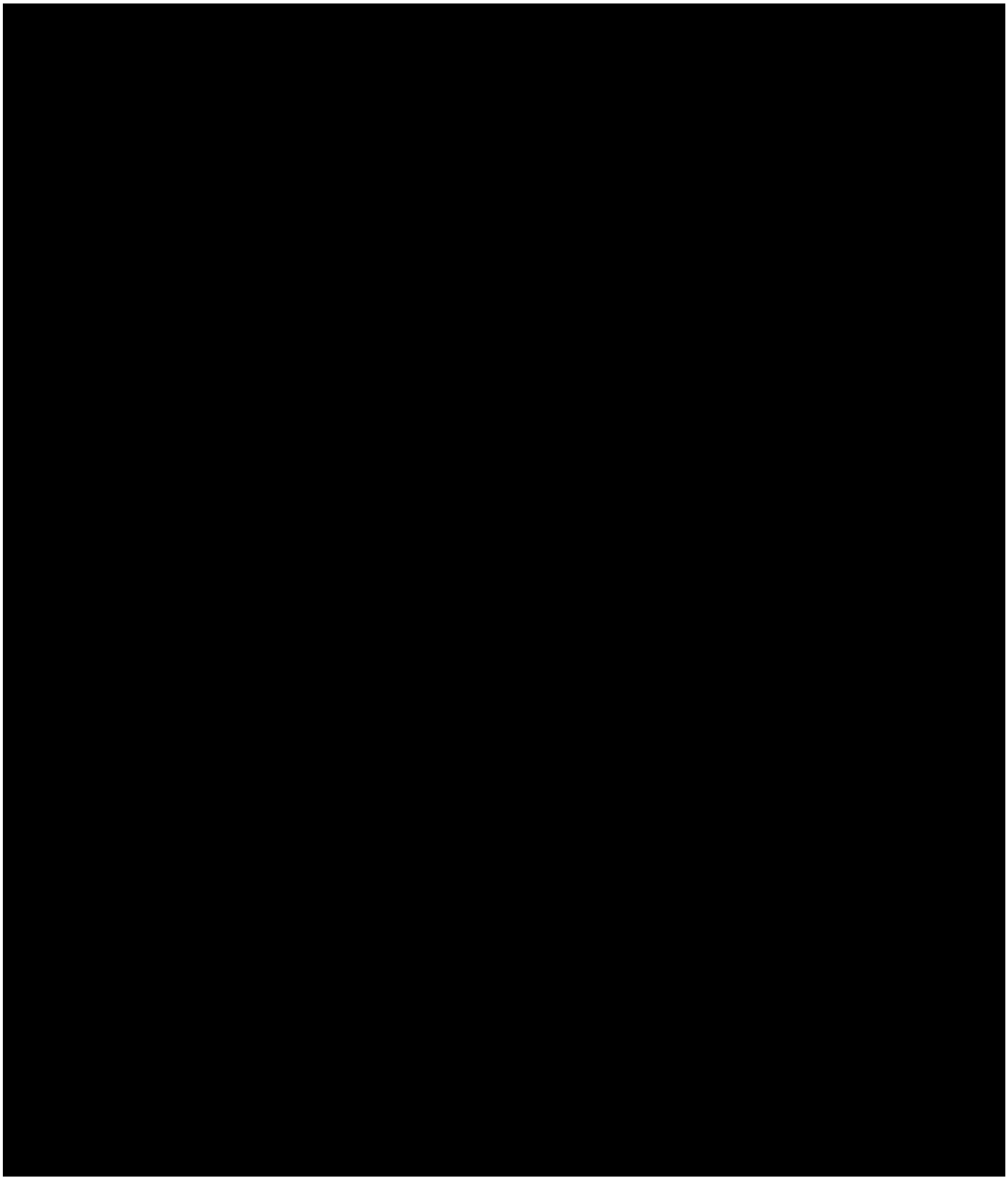

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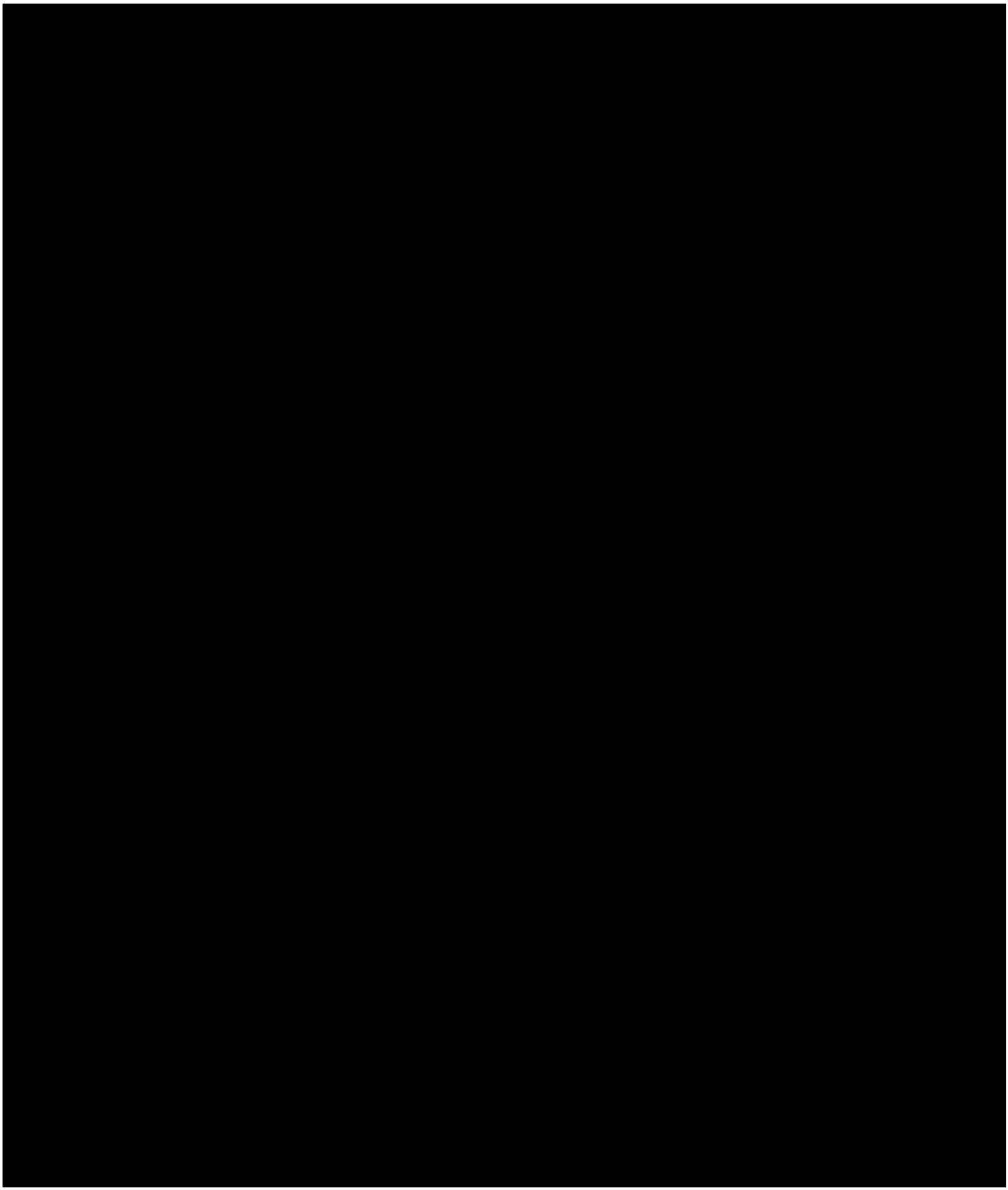

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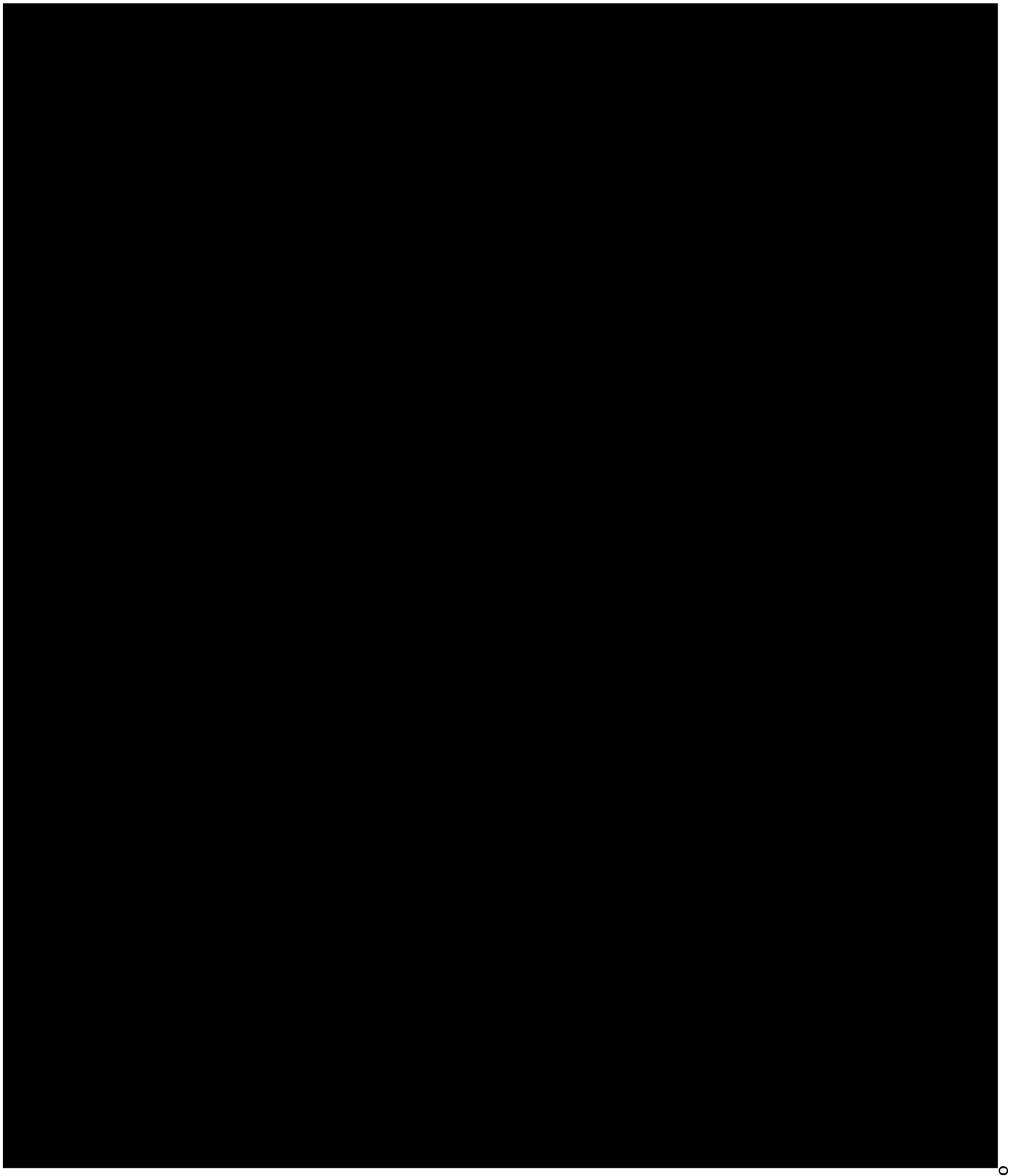

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Marathon Petroleum Company LP	Refining OT Practice Standard	
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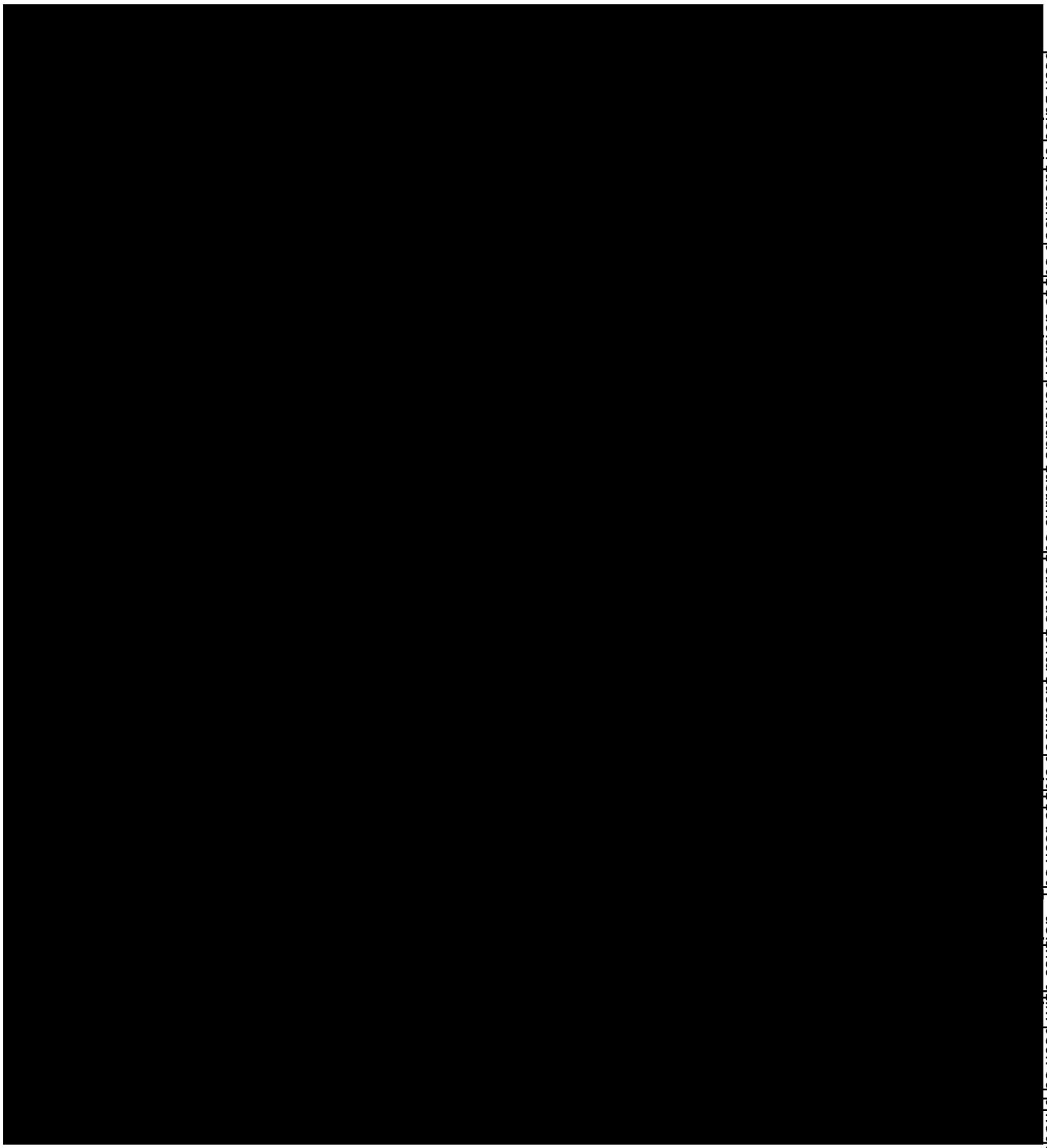

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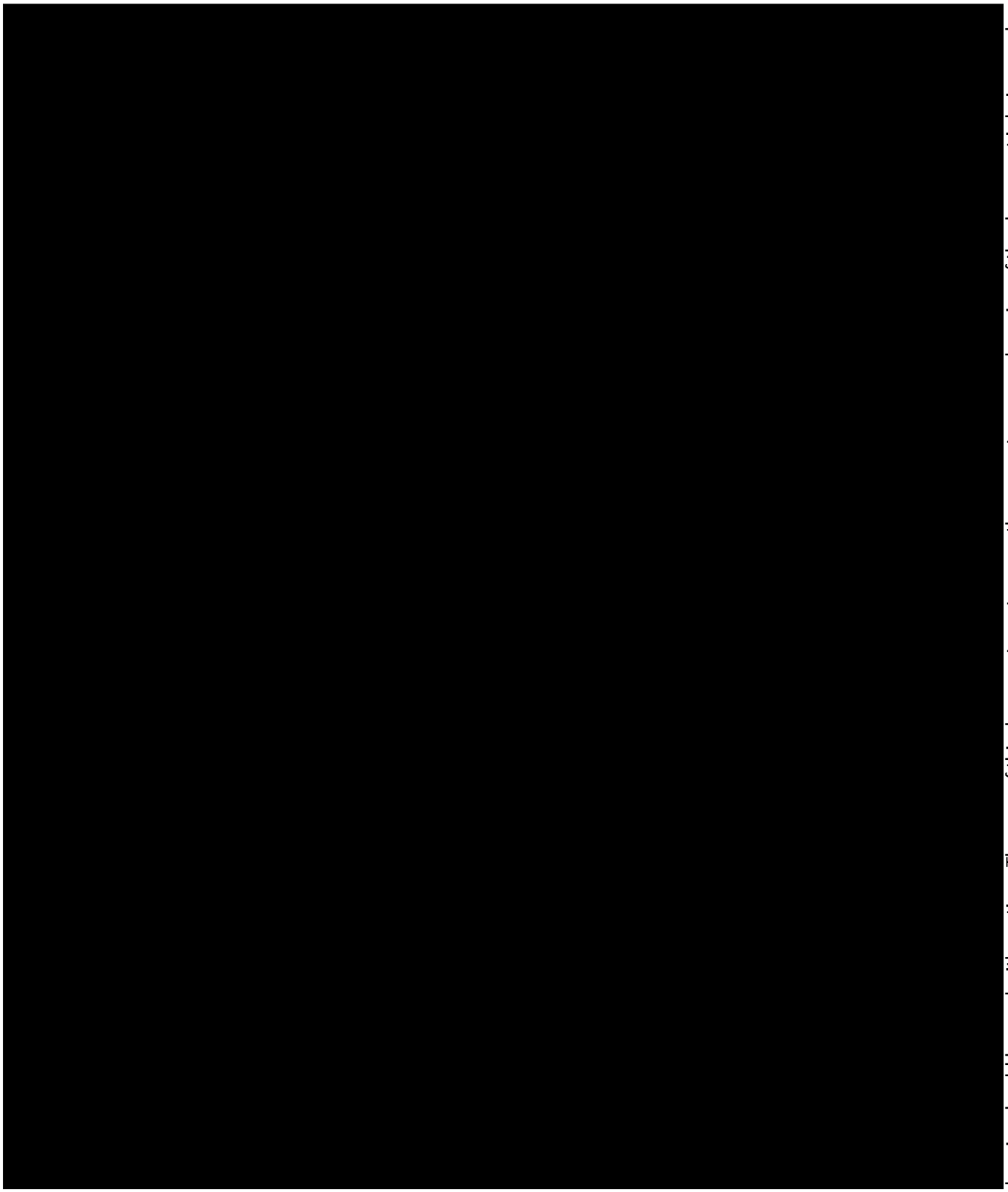

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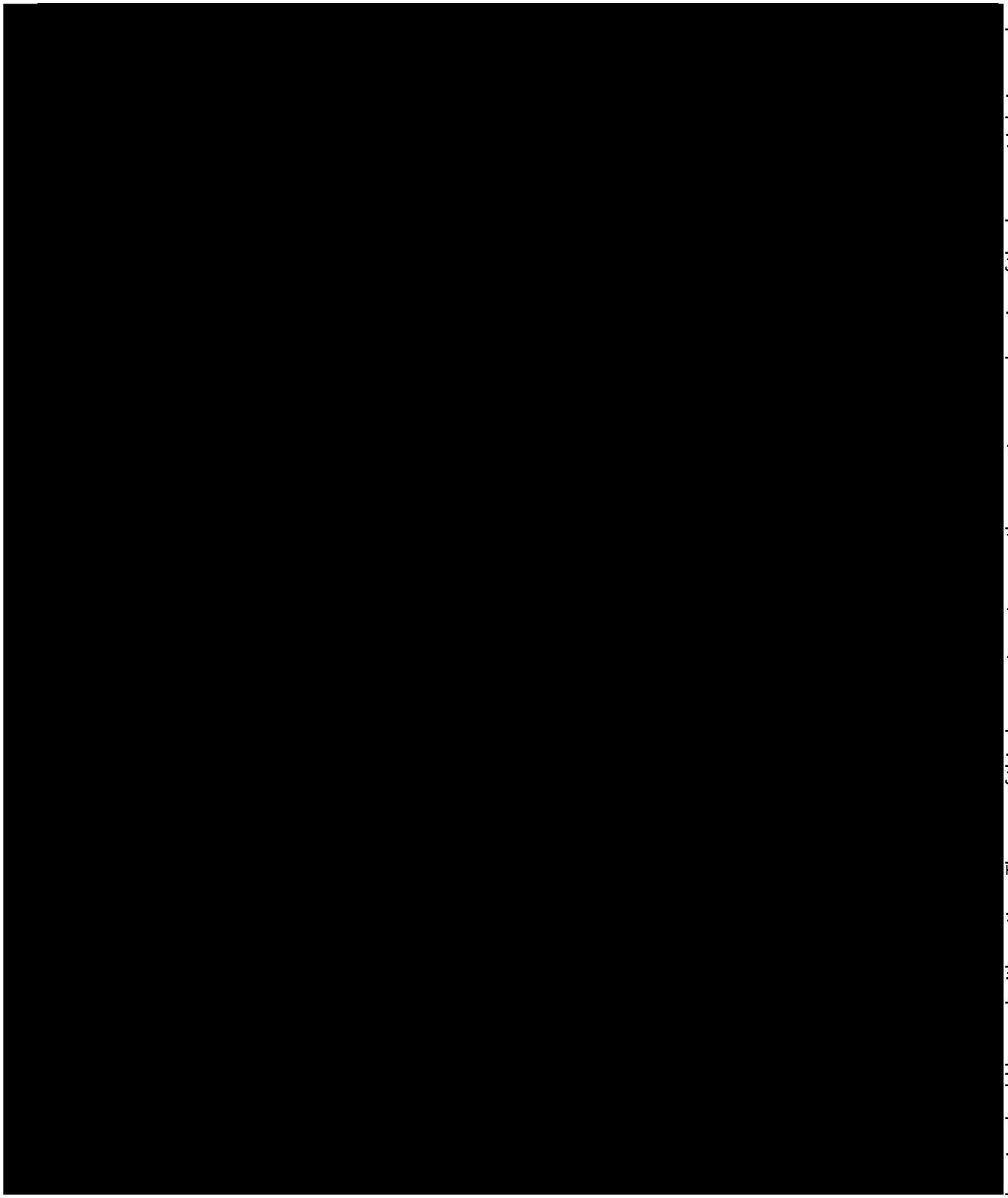

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Document Owners: Refining Technologist - OT	**Marathon Petroleum Company LP** **Refining Organization**	Doc No.: **OT-002** Rev No: 0
Approved By: Refinery General Managers, Refining IT Services Director, Refining Technology Director	**Operational Technology Environment Protect**	**Refining OT Practice Standard**
Date Approved: 12/10/2020	Next Review Date: 12/31/2023	Effective Date: 12/31/2020

Operation Technology Environment - Protect

Overview

Purpose

The purpose of this document is to establish the National Institute of Standards and Technology (NIST) Cybersecurity Framework Protect function controls and requirements for Refining OT environments to be reliable and secure in compliance with MPC Policies and Standards listed in Section 1.1.

This document also provides management directives for protecting the OT environment through:

- Access control.
- Personnel awareness and training.
- Data security and information protection.
- Asset maintenance.
- Protective technology.

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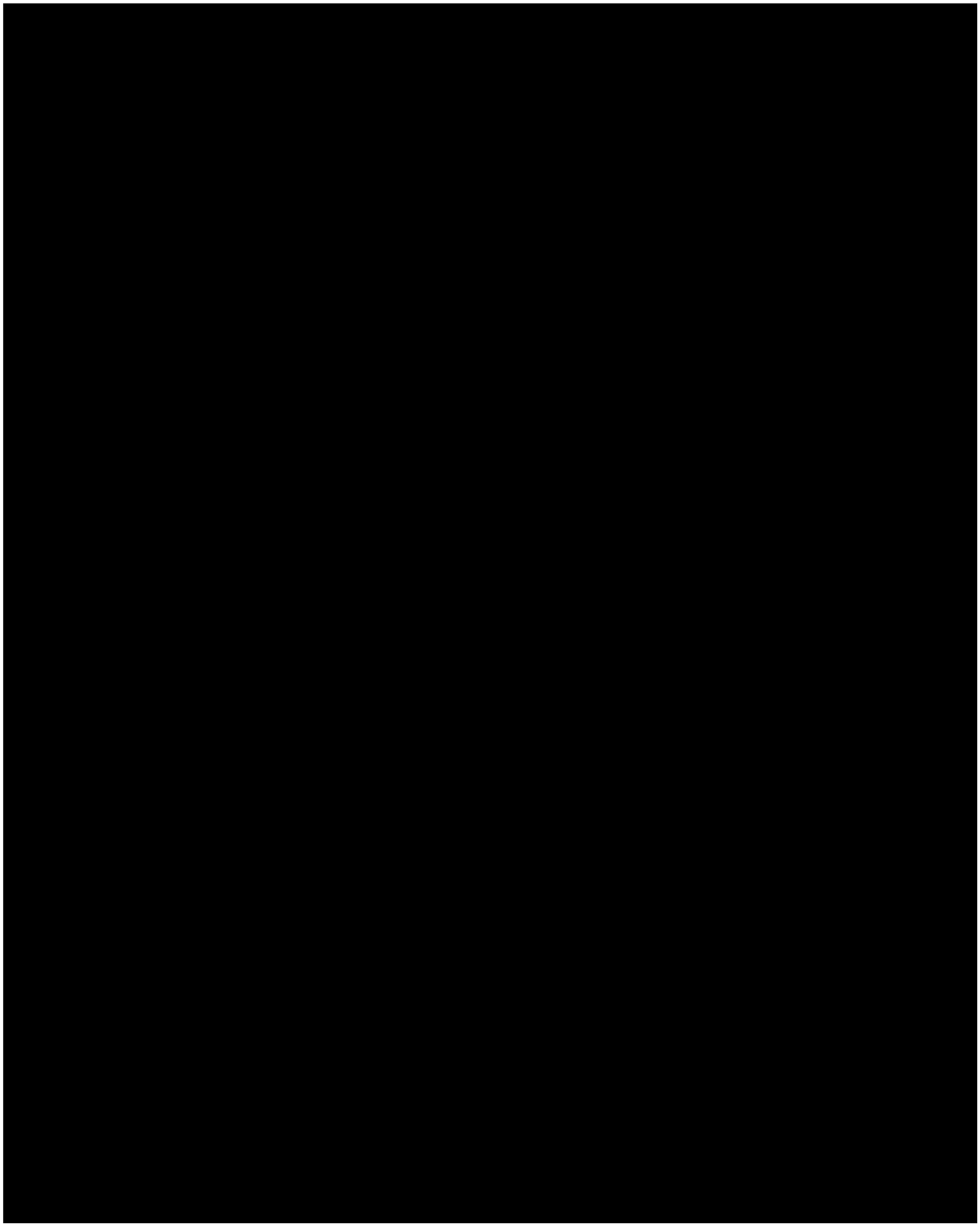

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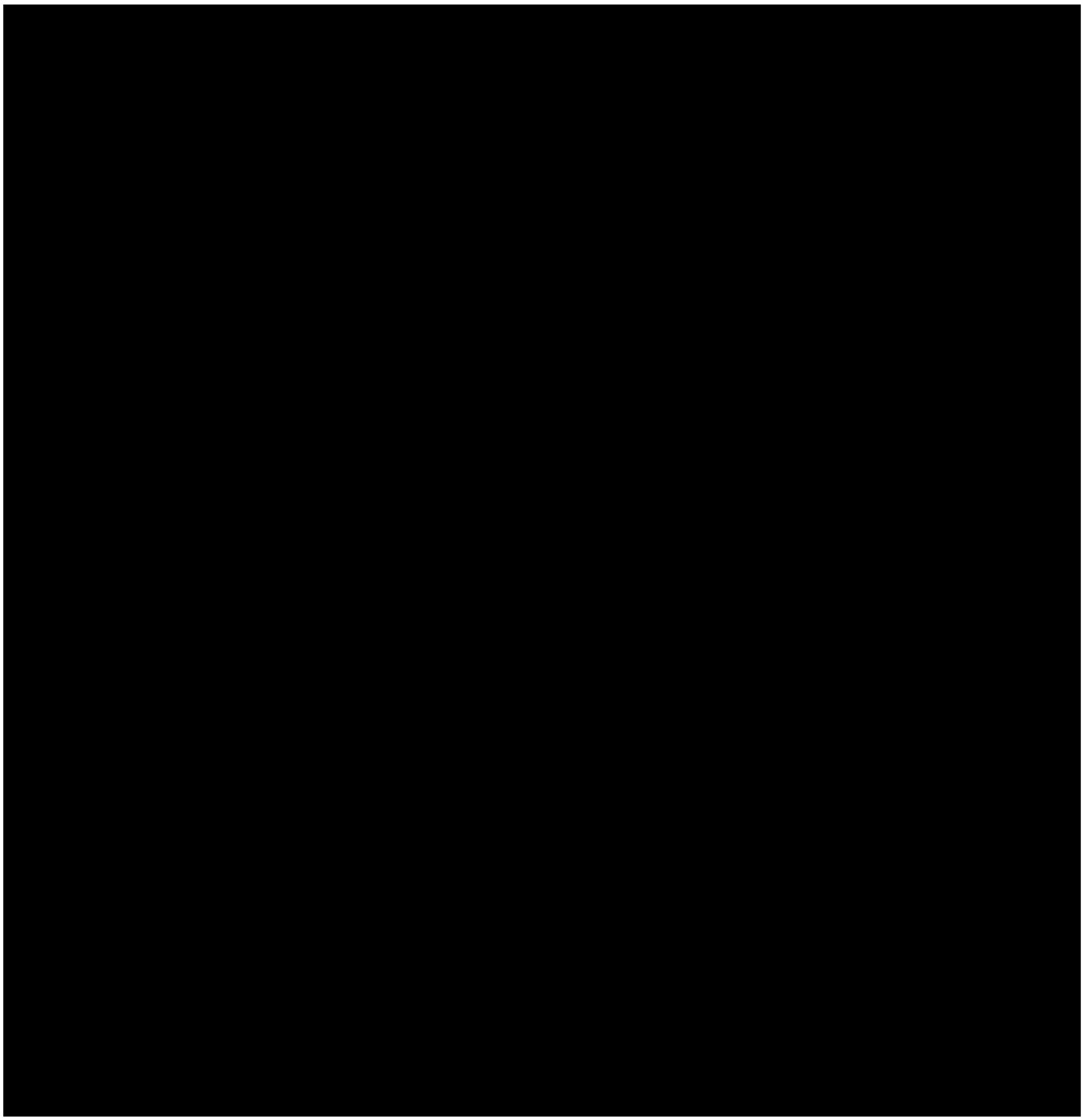

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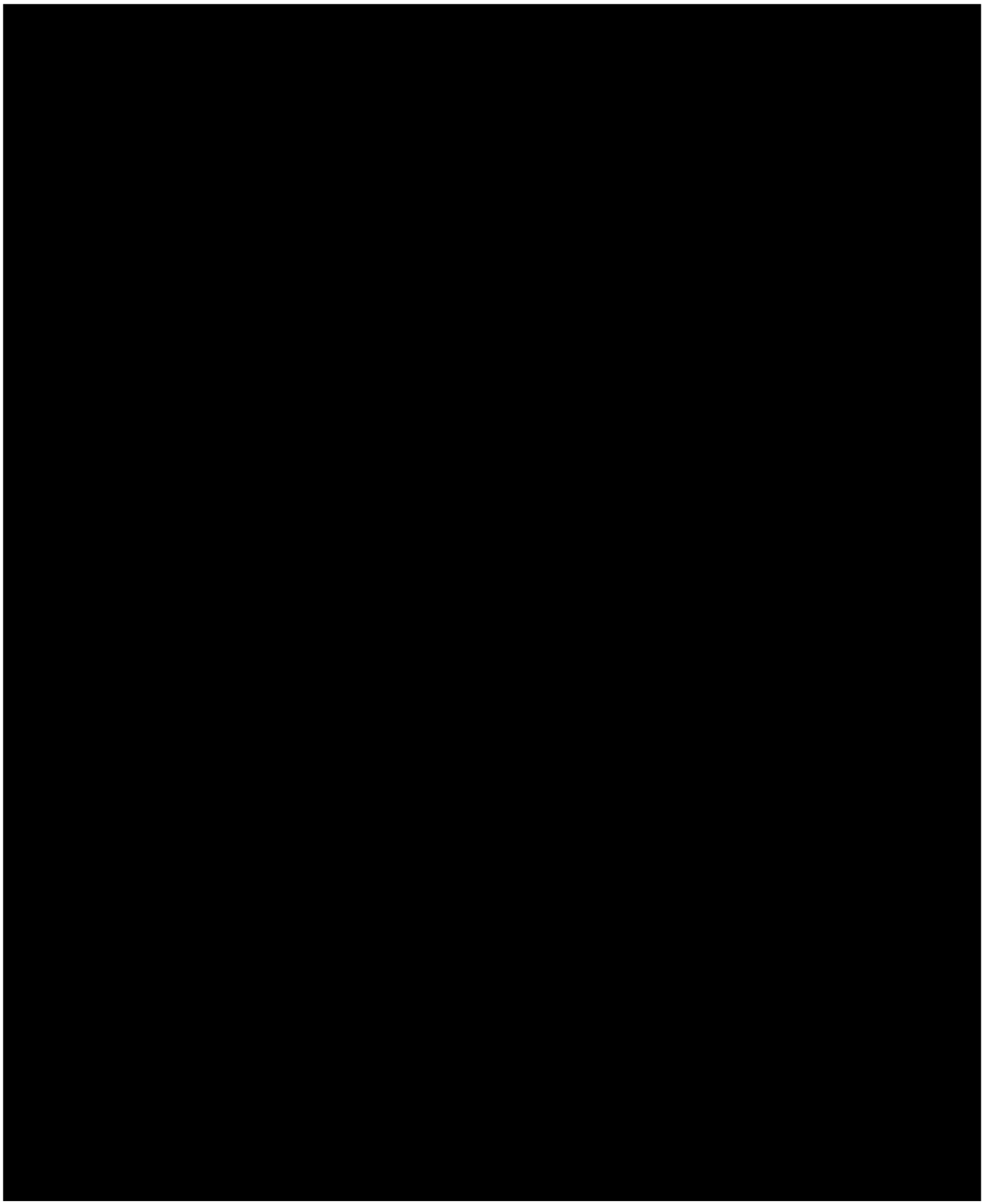

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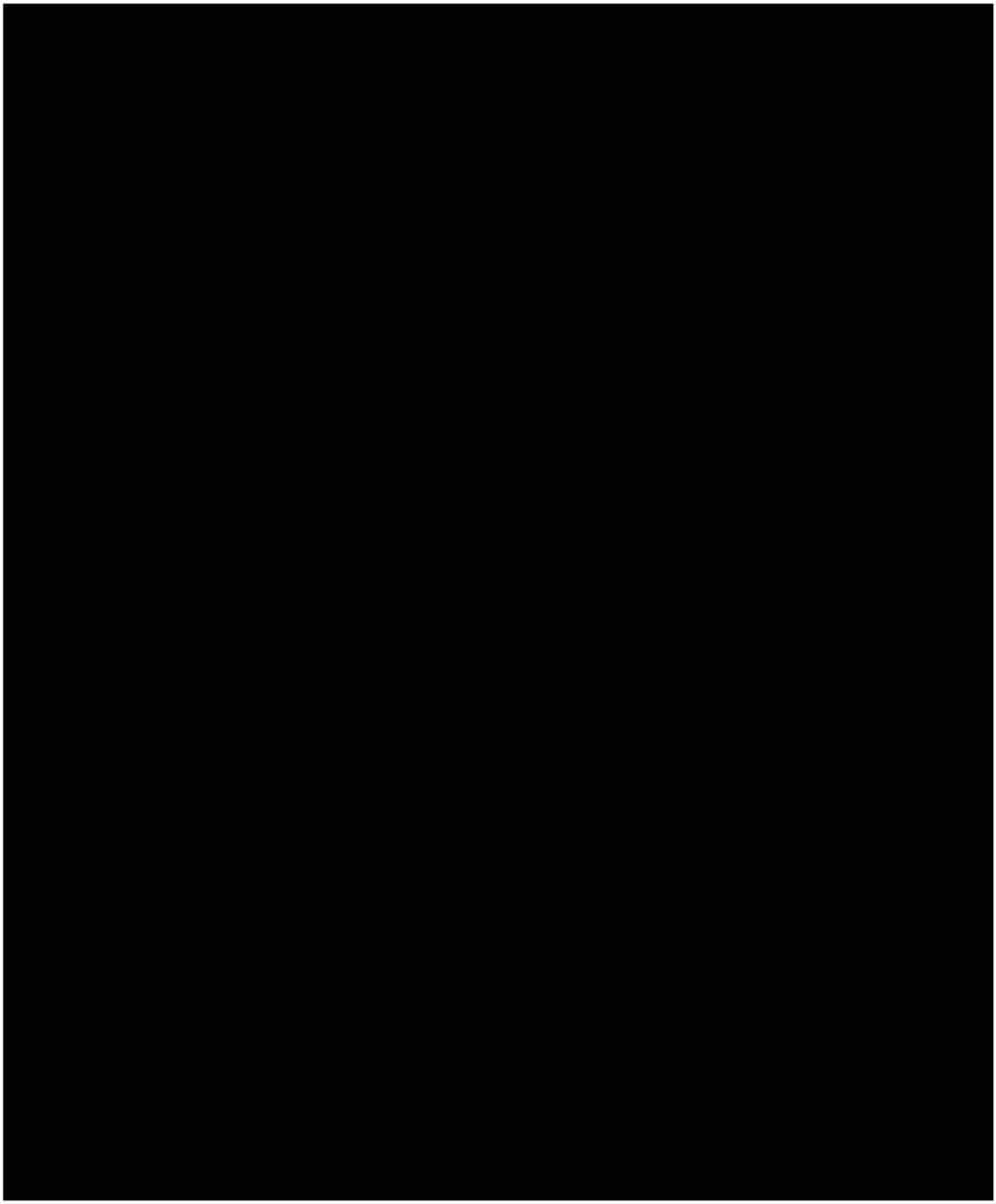
Title: **Operational Technology Environment - Protect**	Doc Number: **OT-002**	Rev No: **0**



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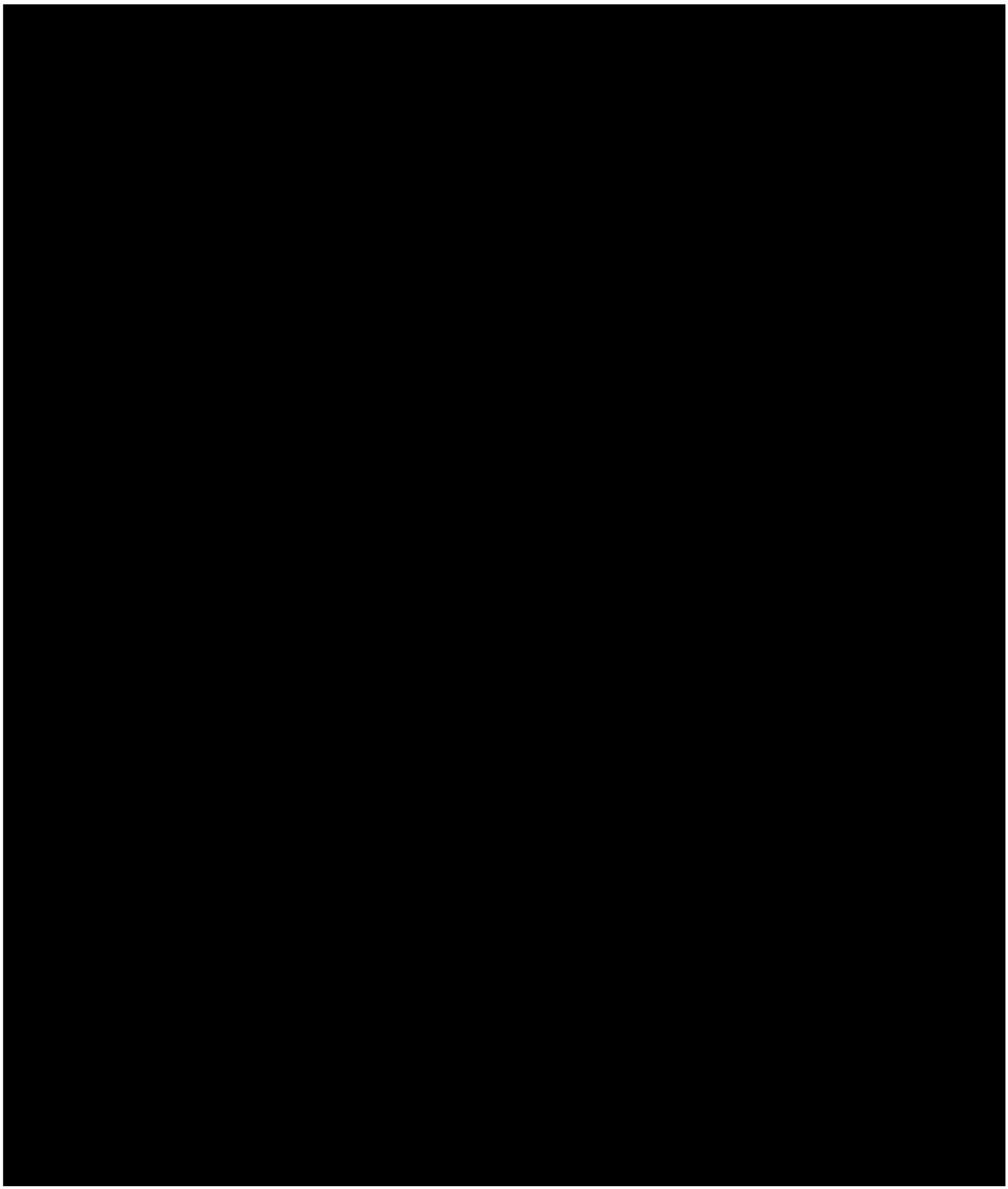
Title: **Operational Technology Environment - Protect**	Doc Number: **OT-002**	Rev No: **0**



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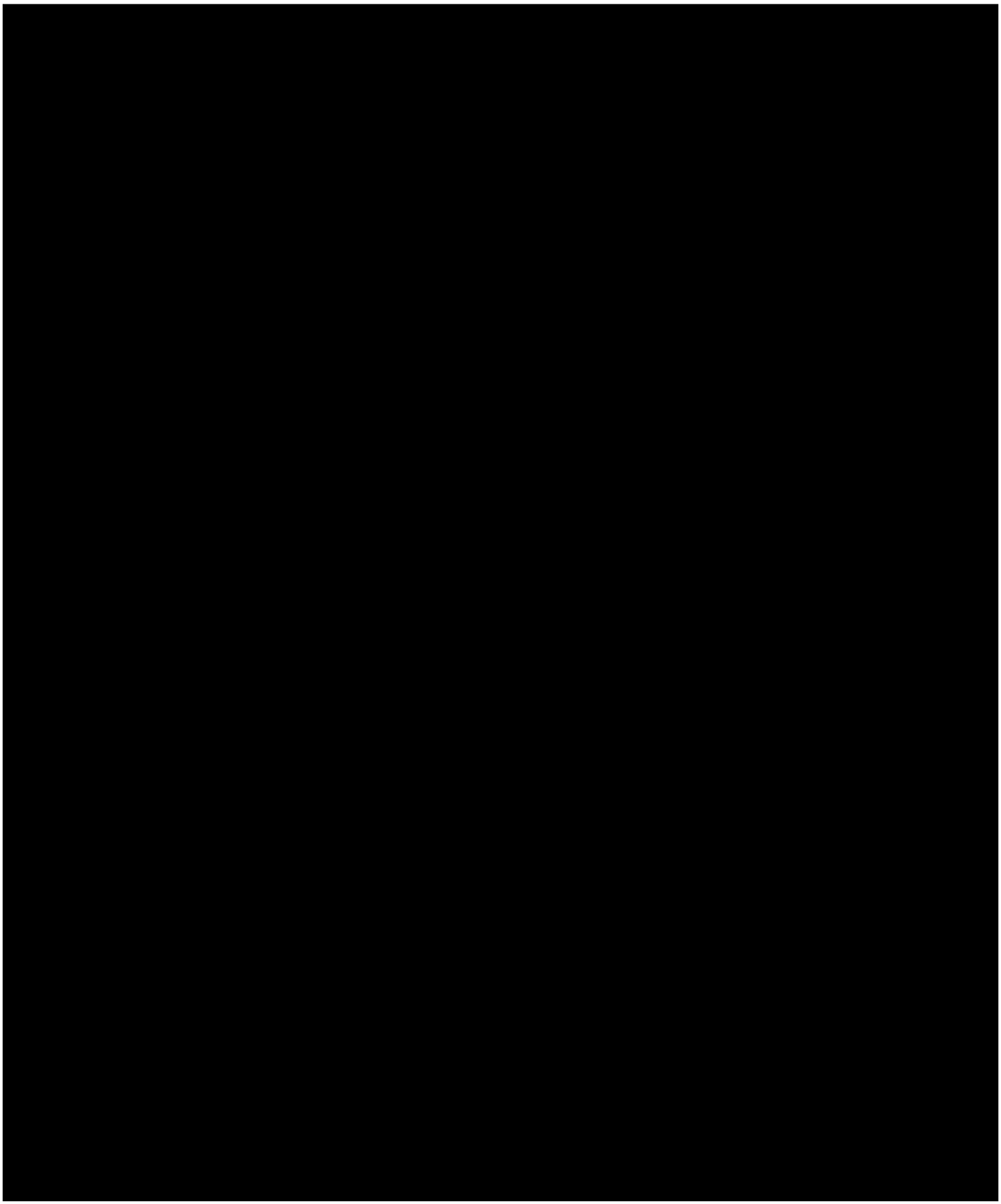

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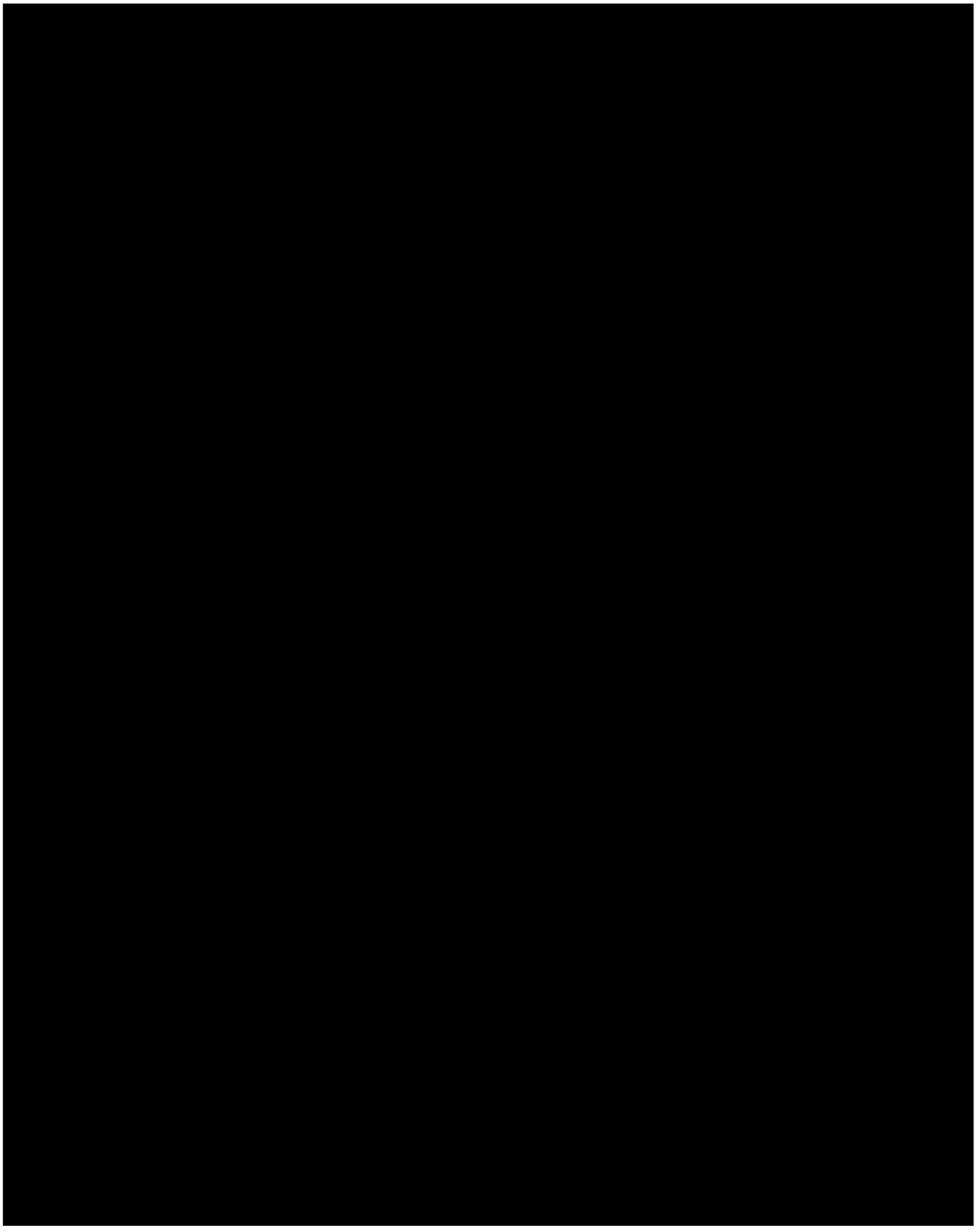

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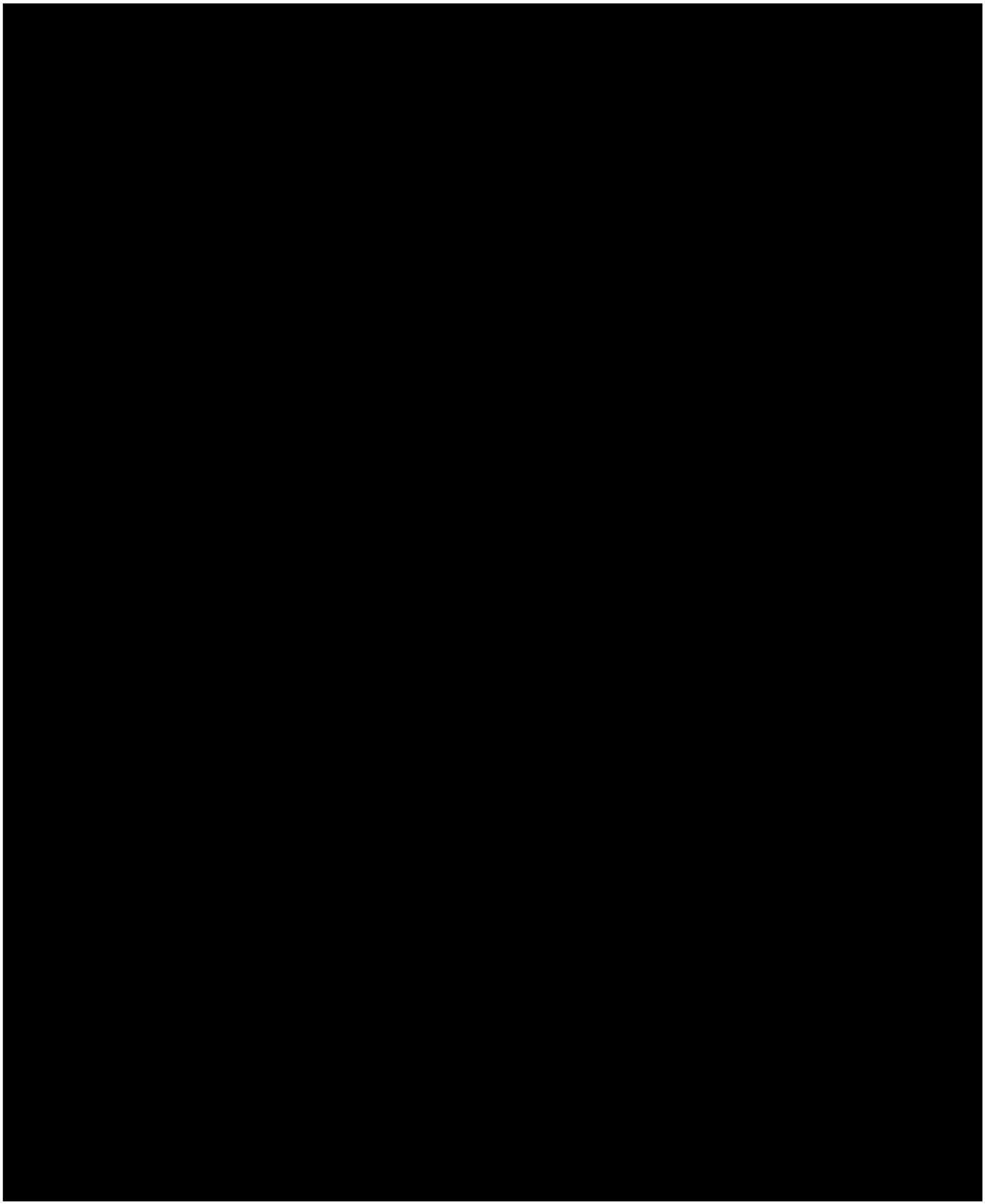

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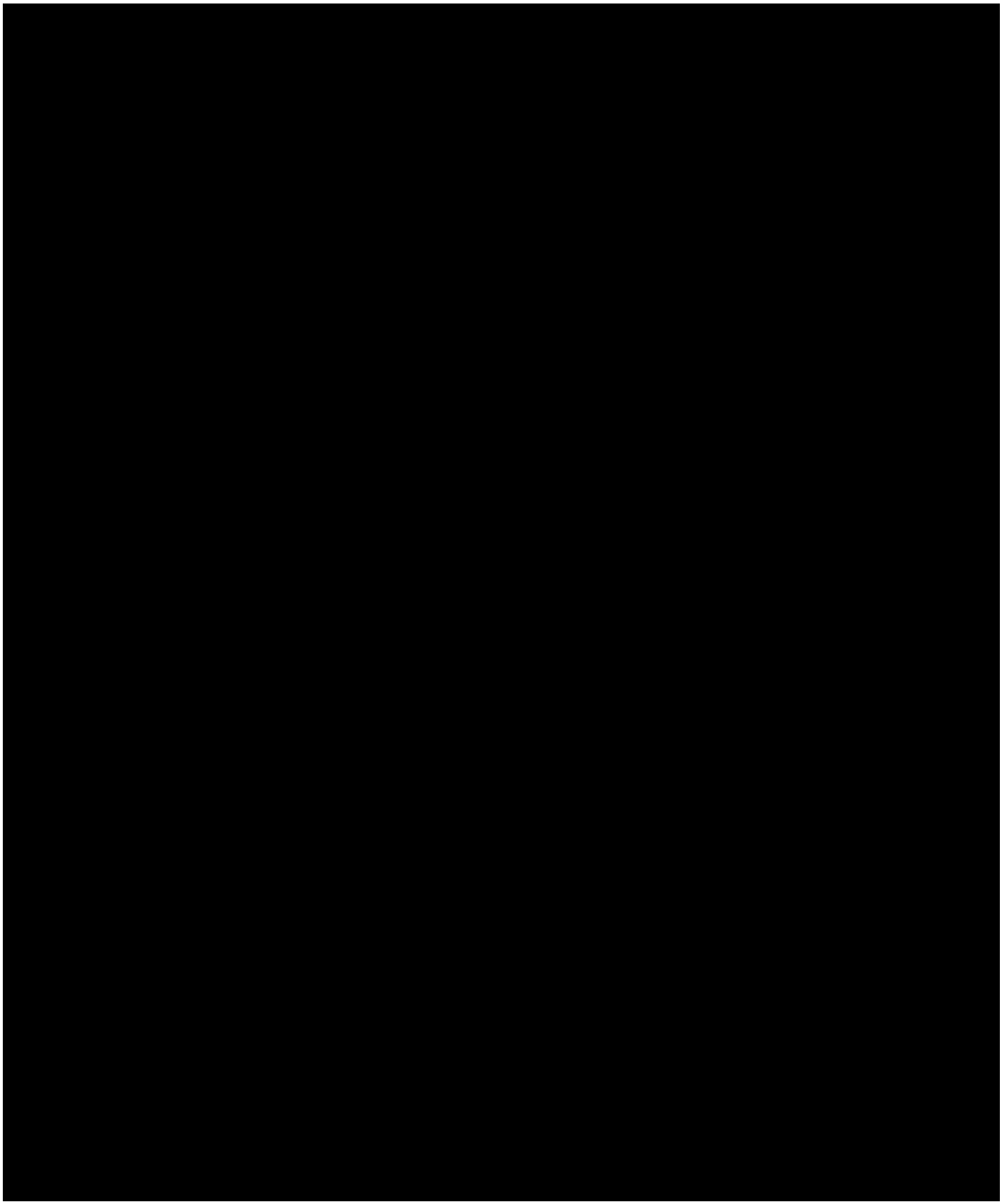

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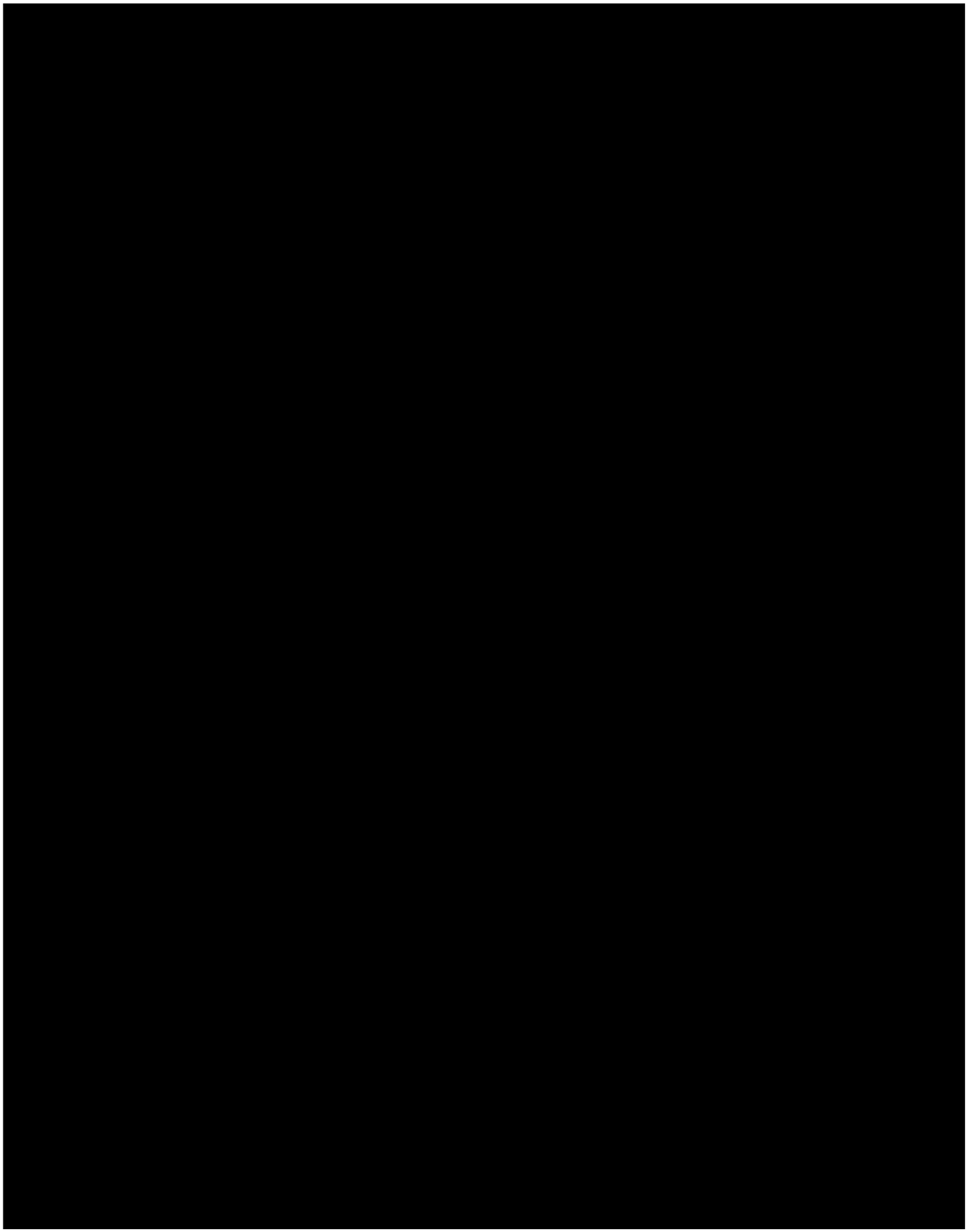
Marathon Petroleum Company LP	Refining OT Practice Standard	
Title: **Operational Technology Environment - Protect**	Doc Number: **OT-002**	Rev No: **0**



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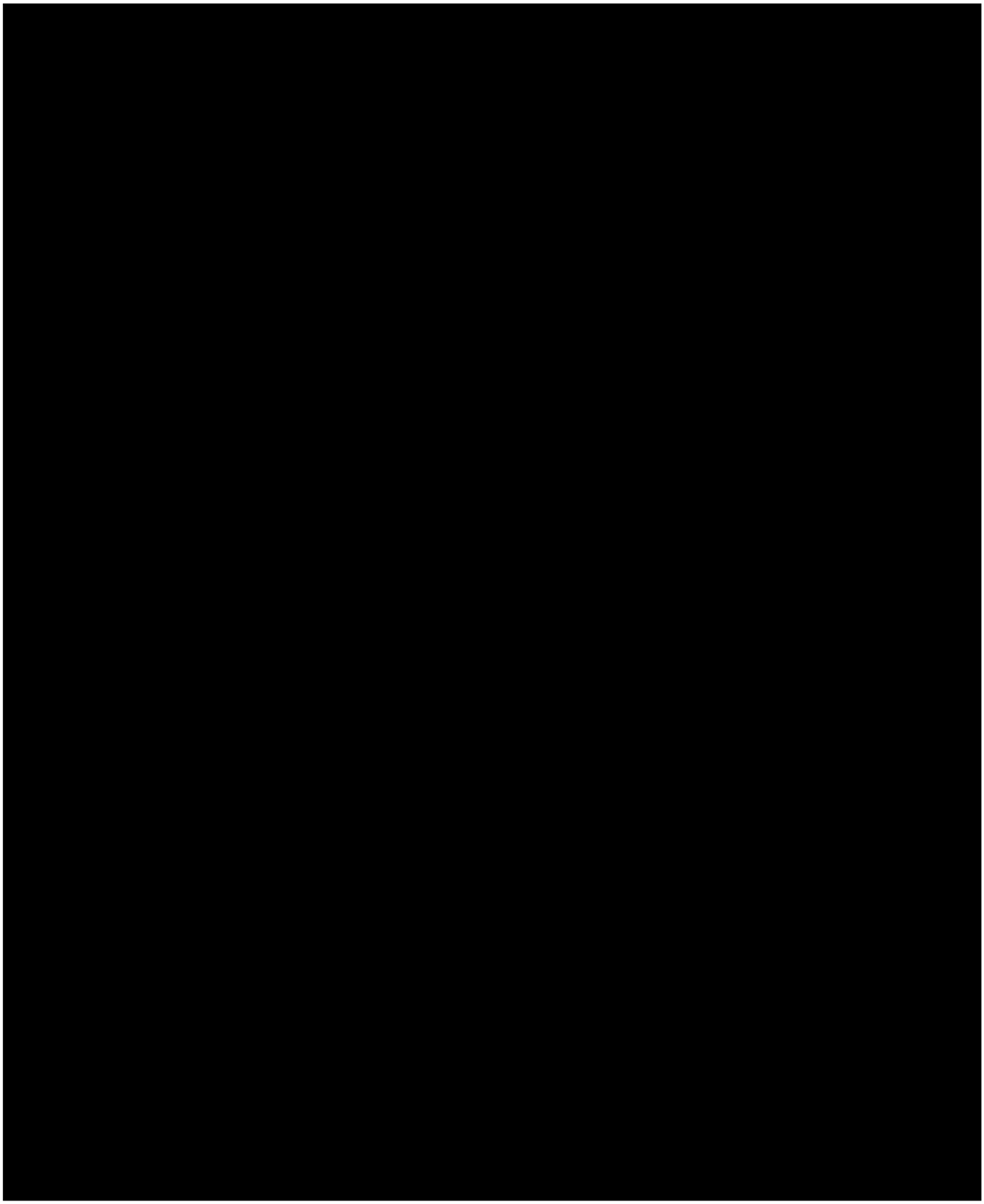
Title: **Operational Technology Environment - Protect**	Doc Number: **OT-002**	Rev No: **0**



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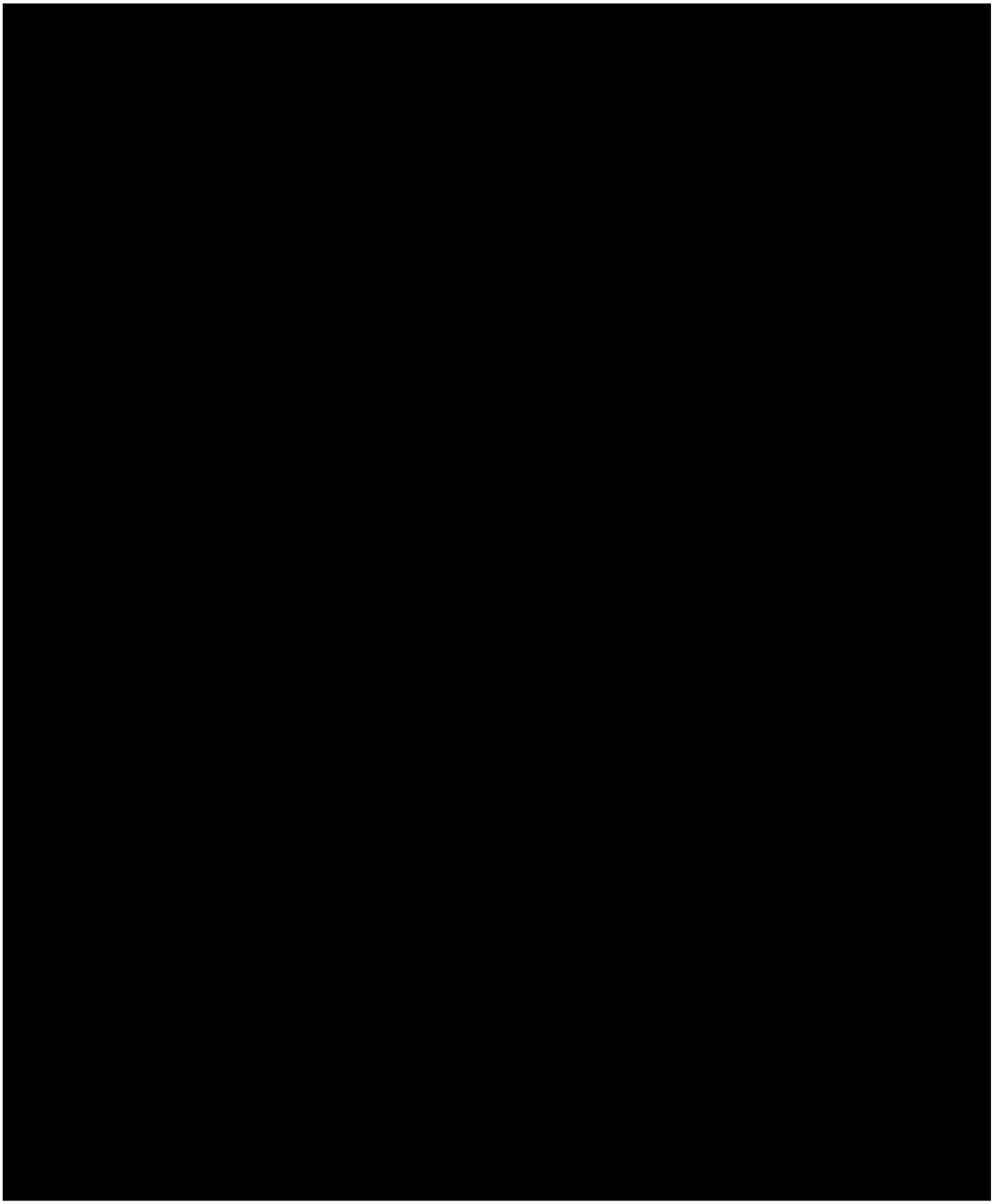

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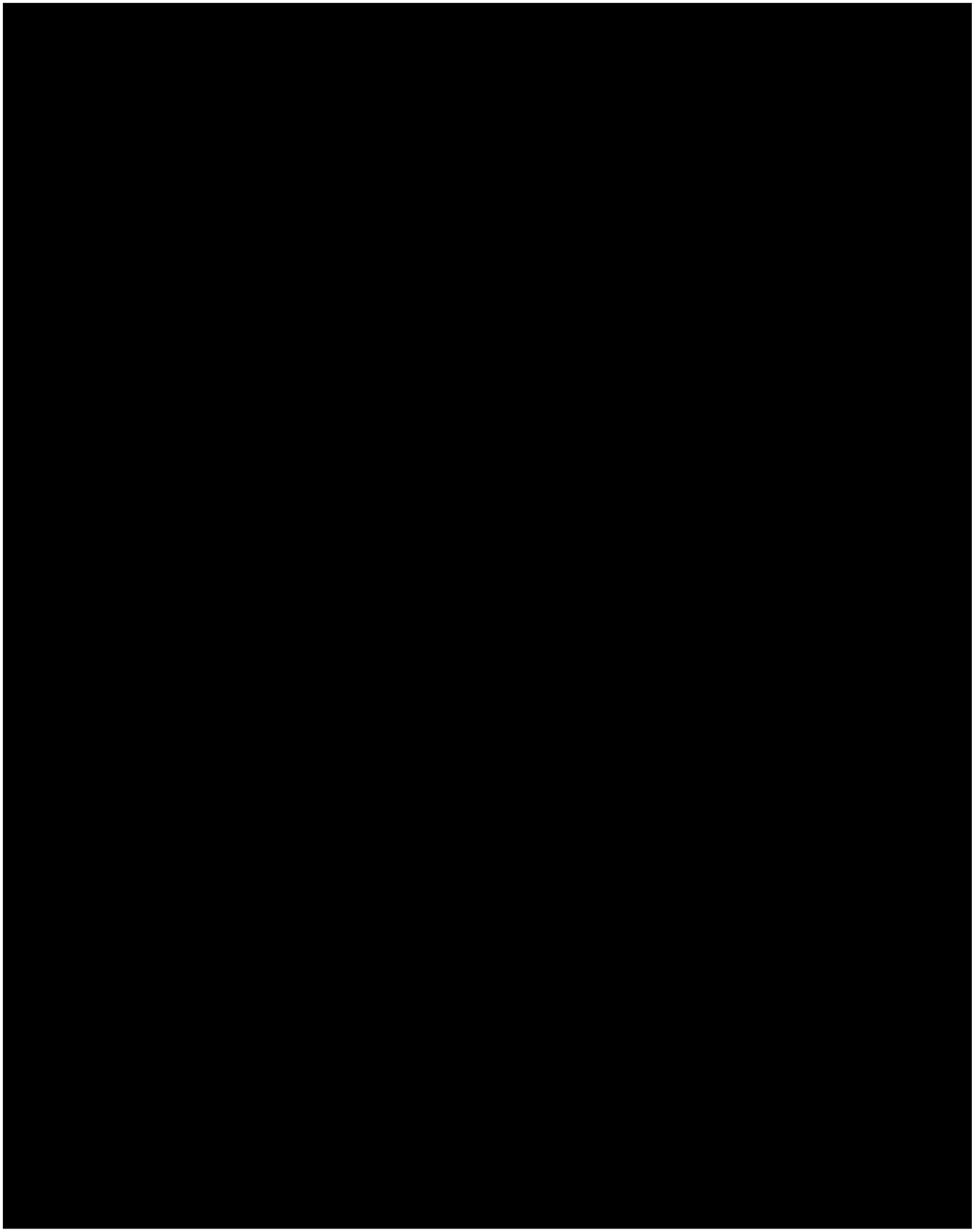

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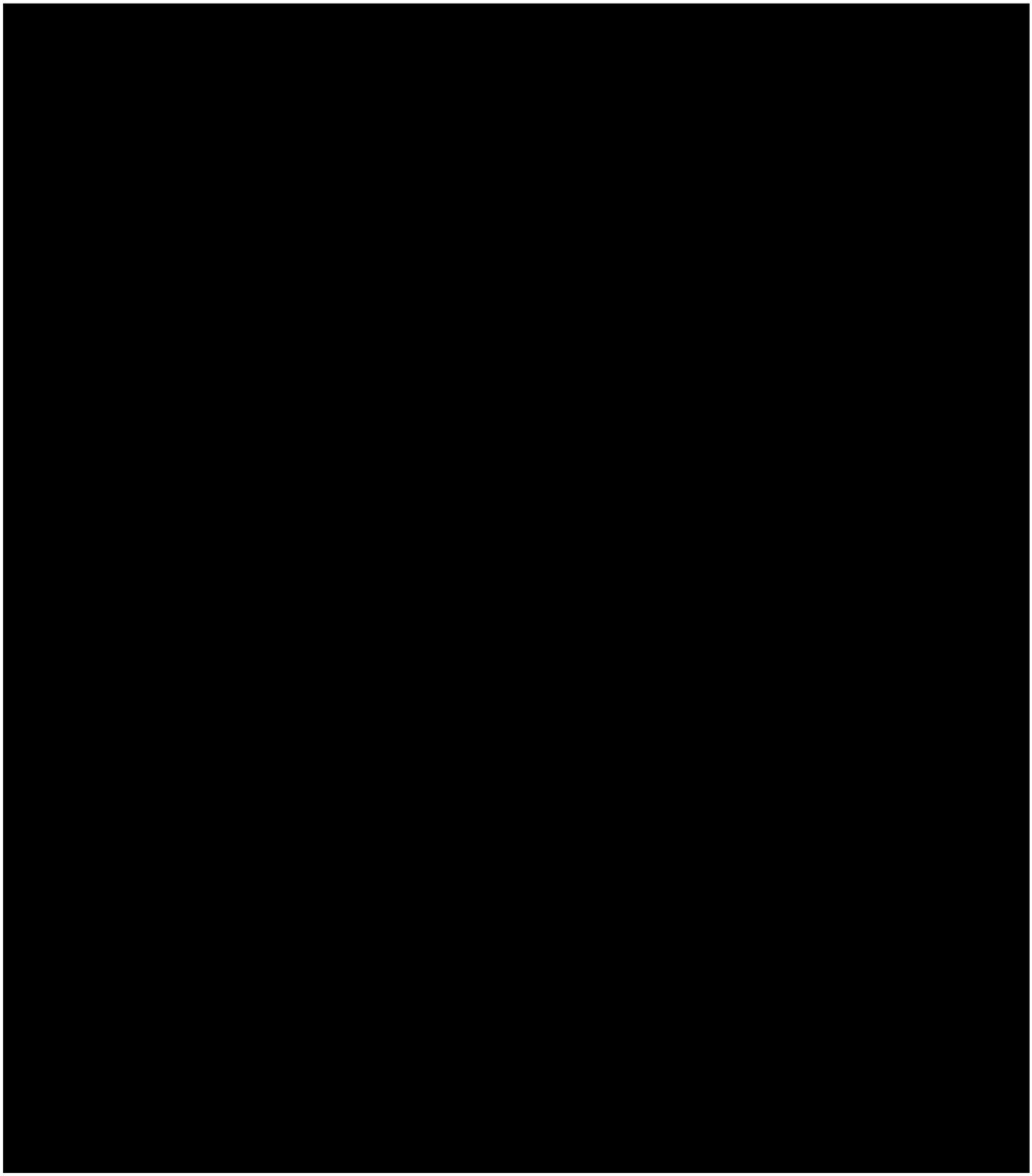

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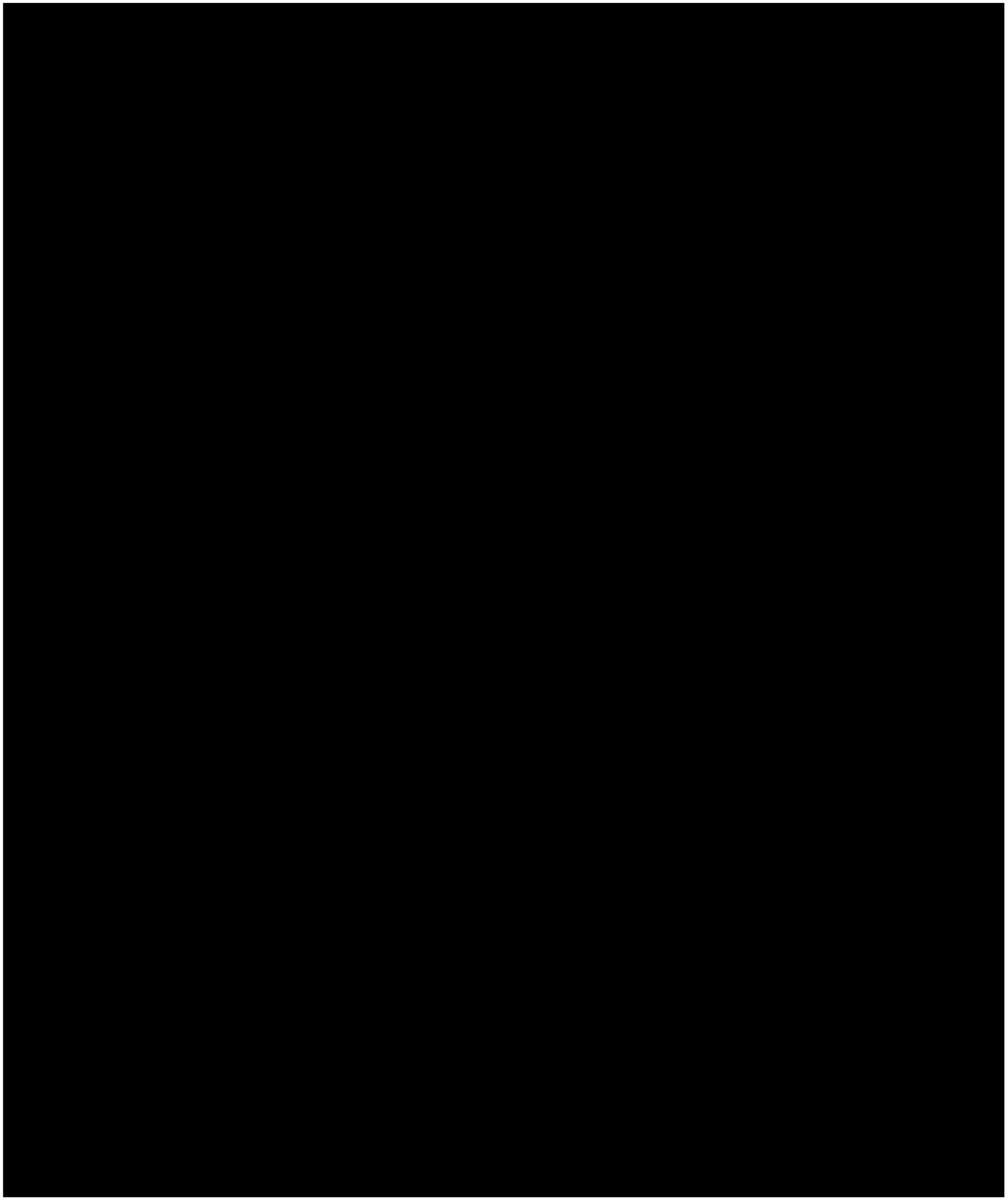
Title: **Operational Technology Environment - Protect**	Doc Number: **OT-002**	Rev No: **0**



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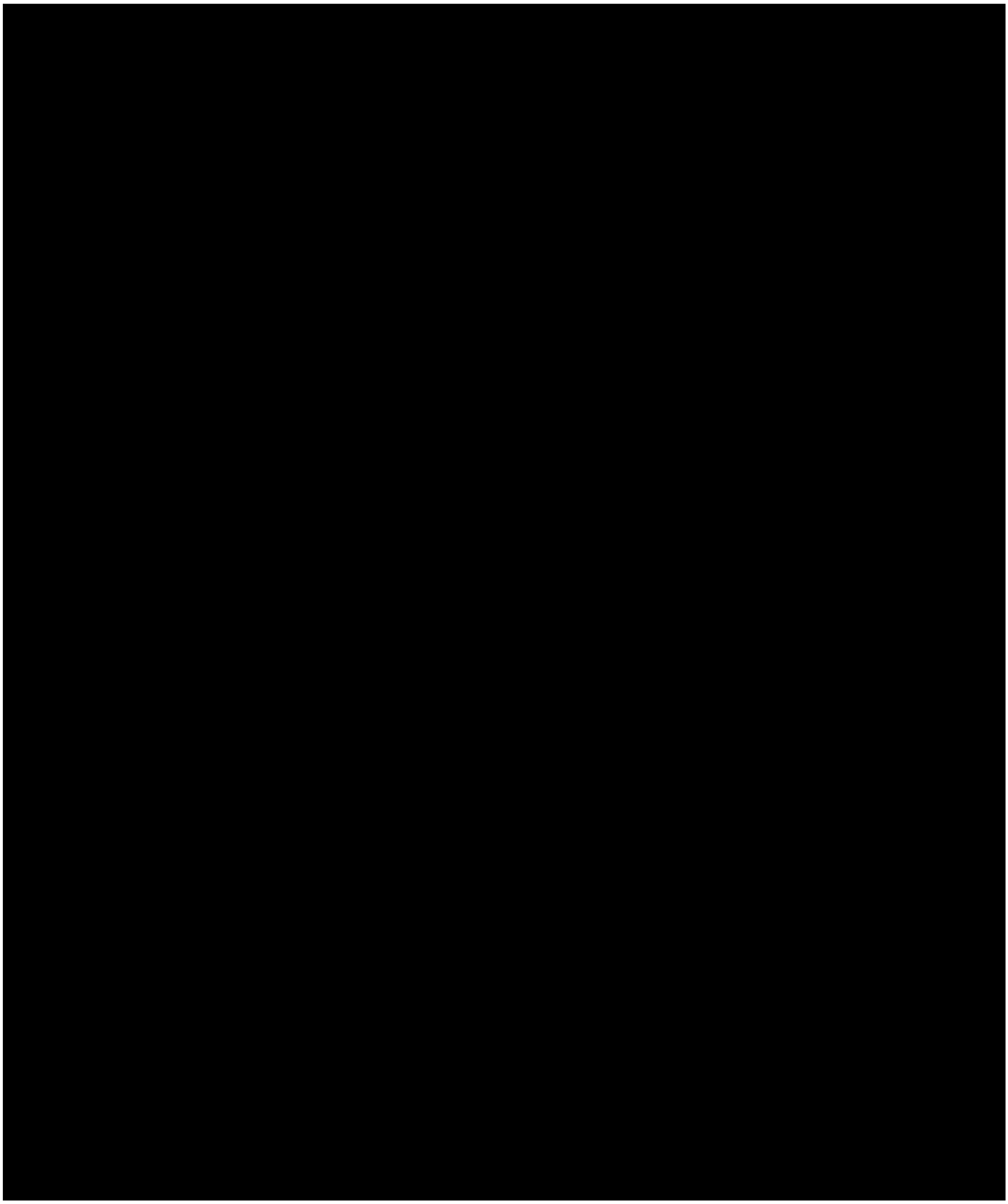

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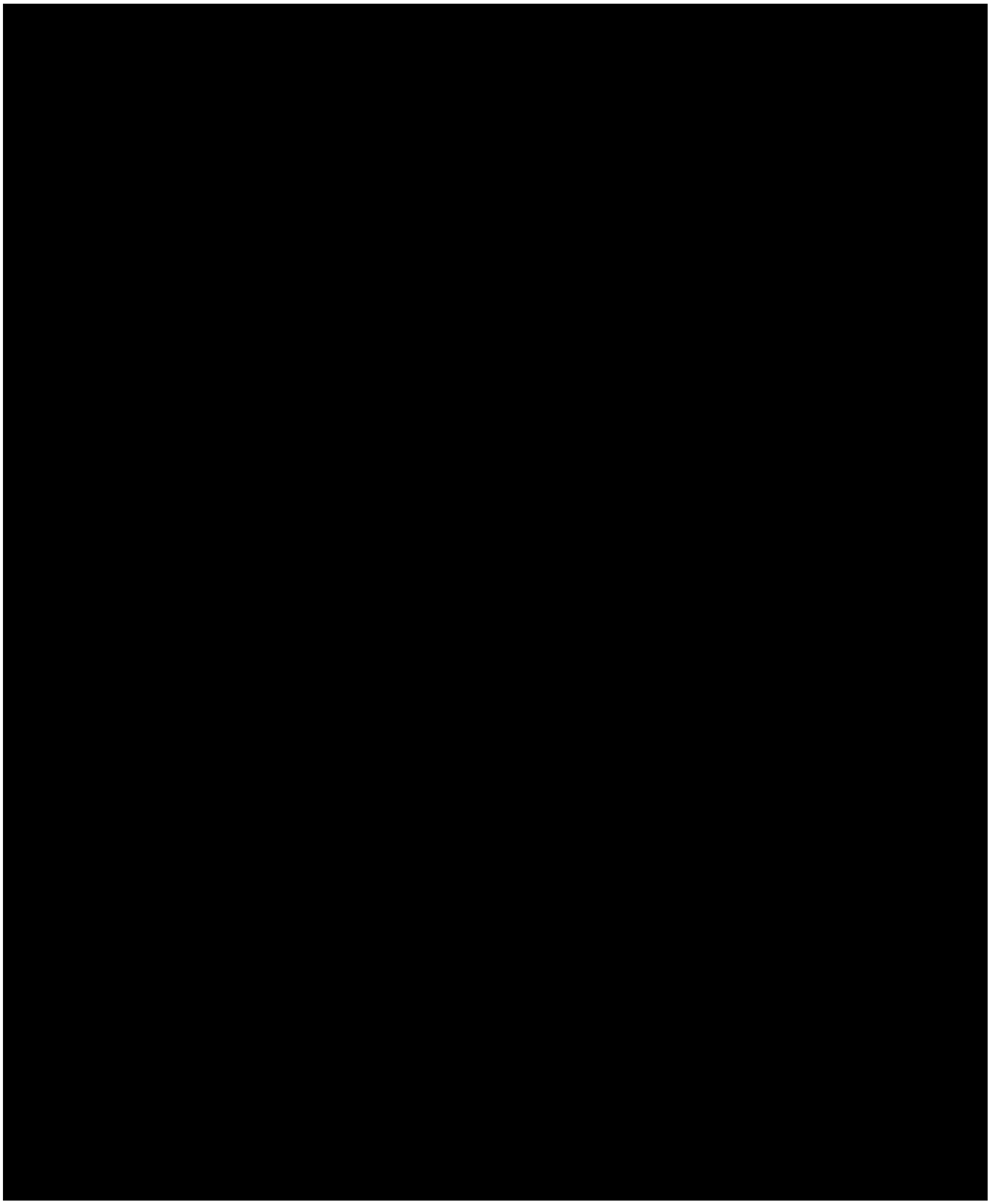

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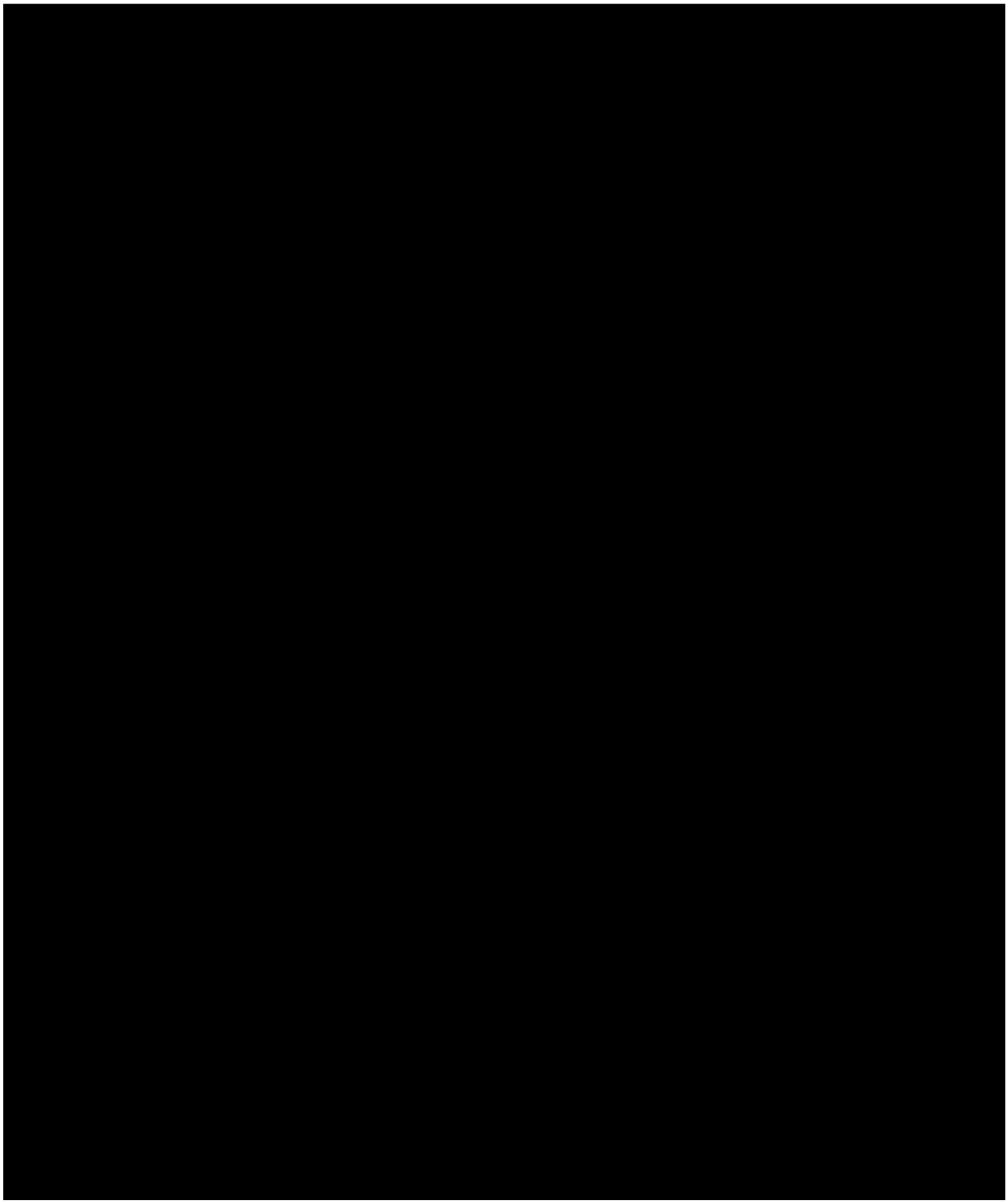

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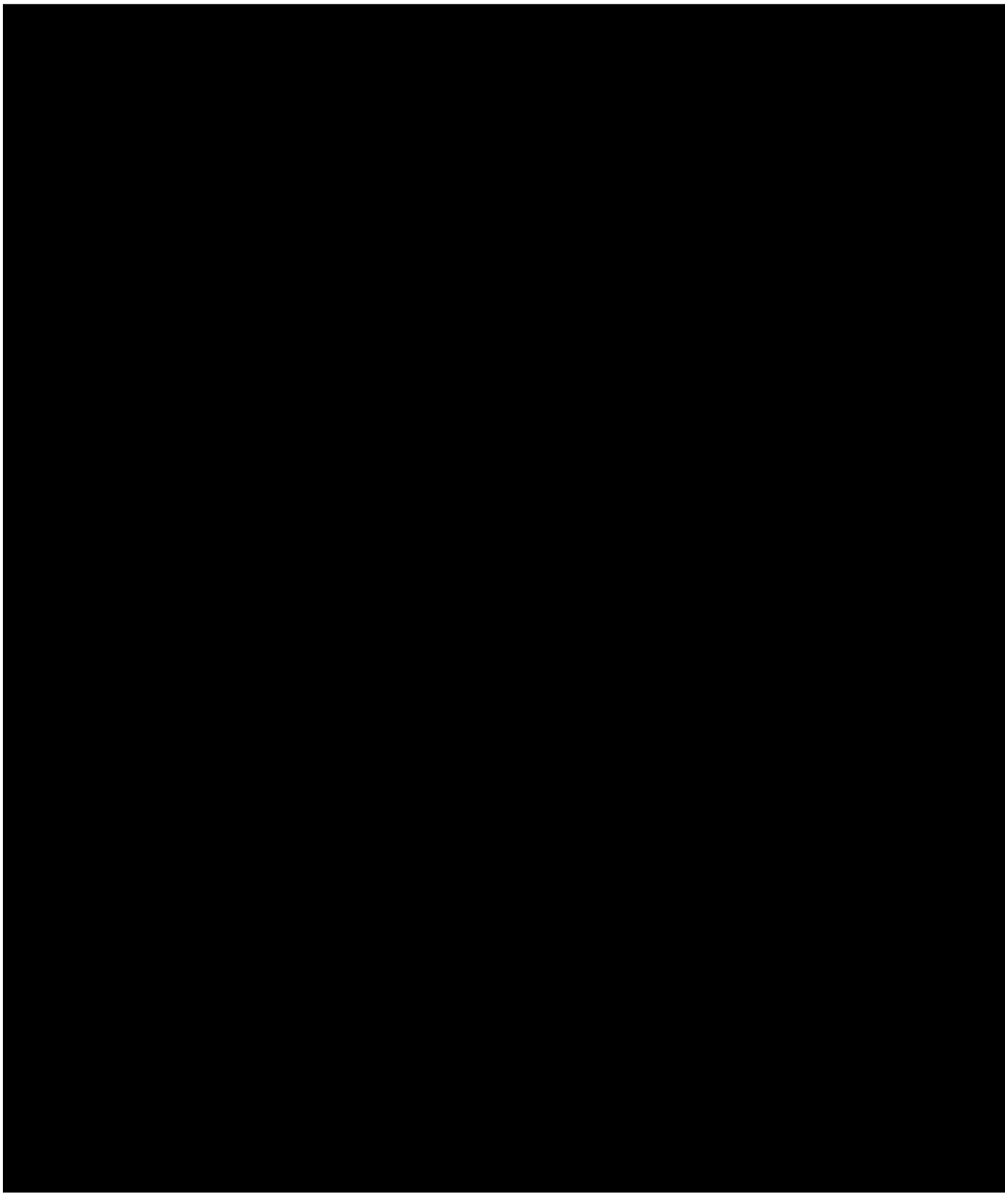

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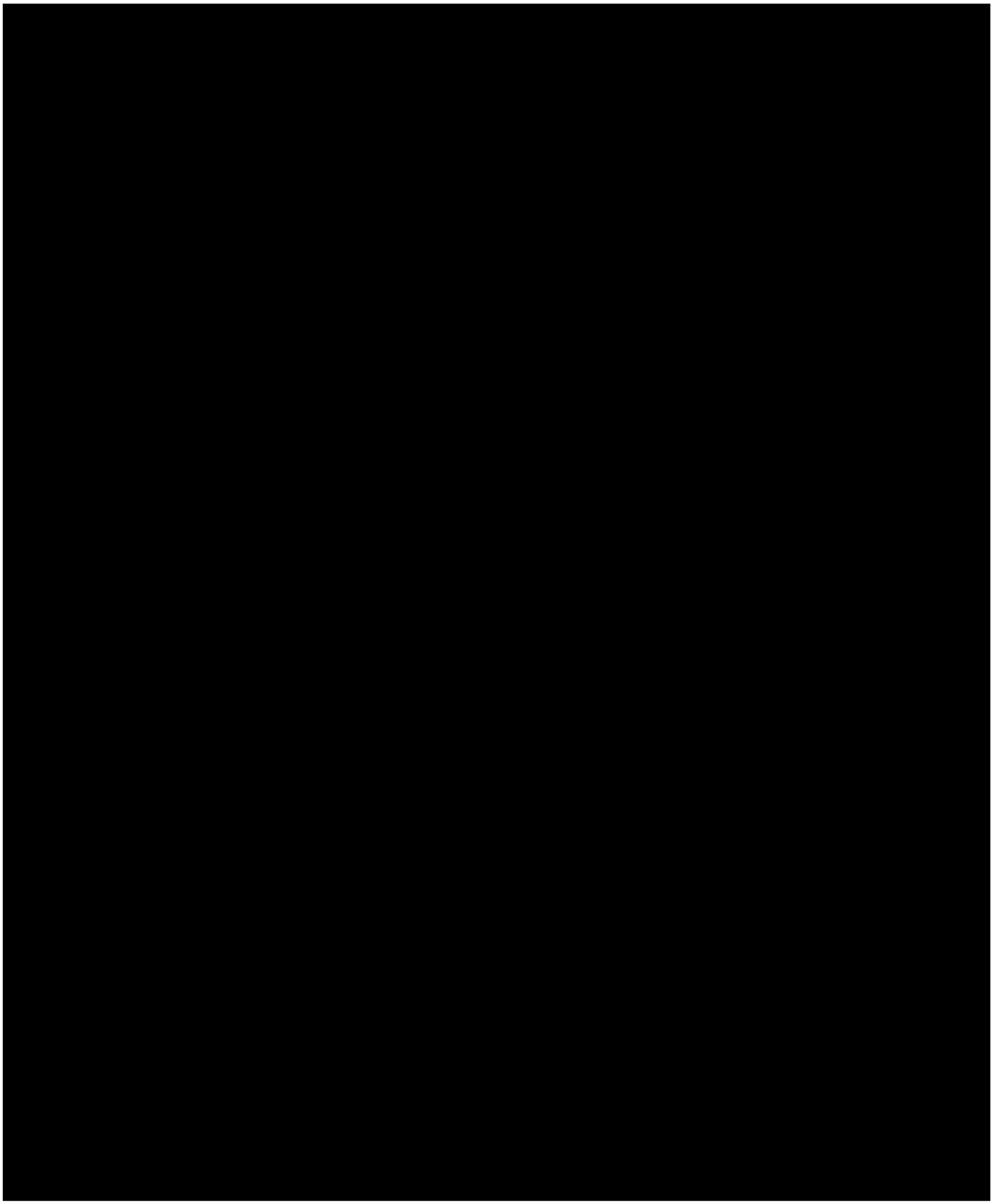

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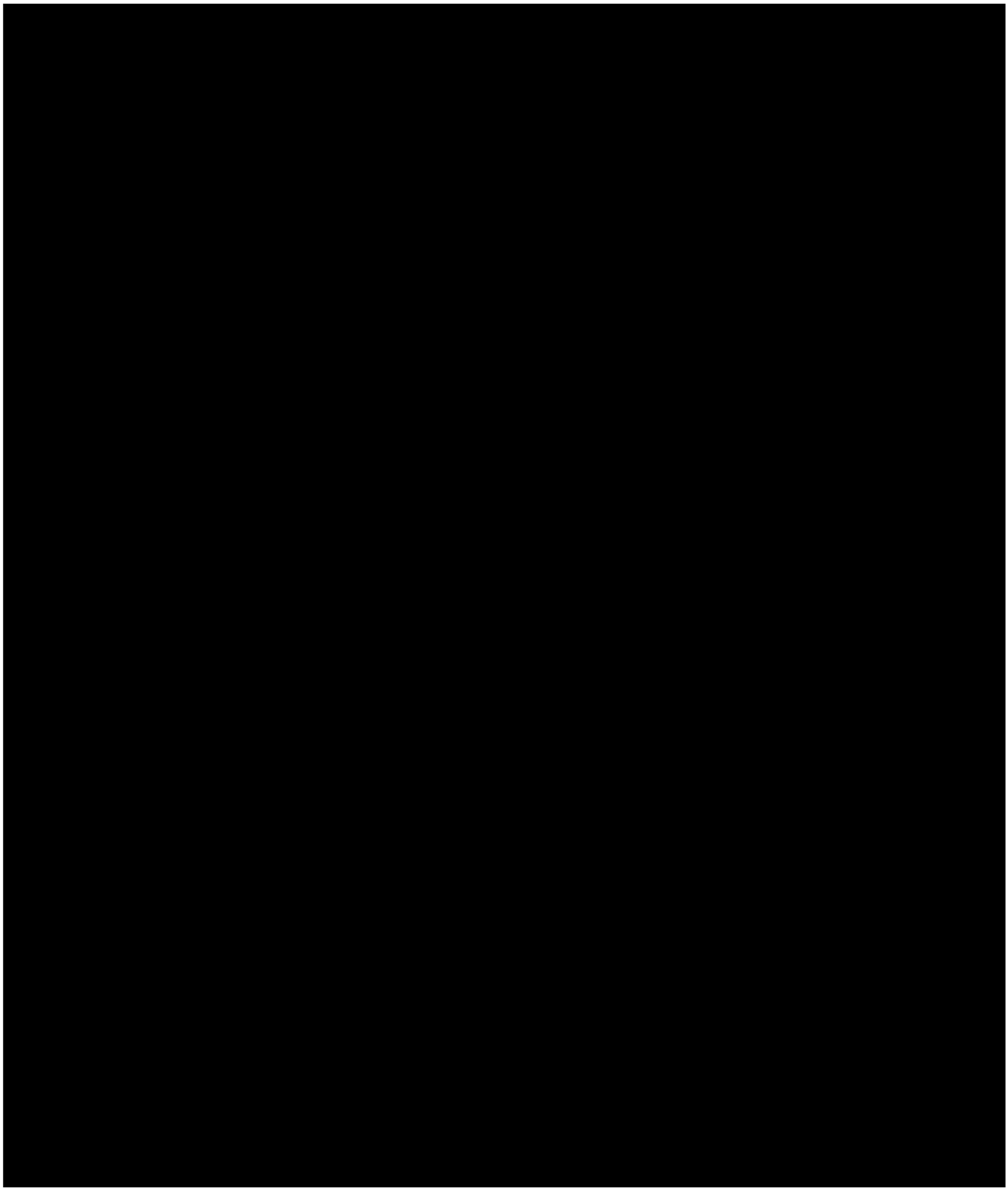

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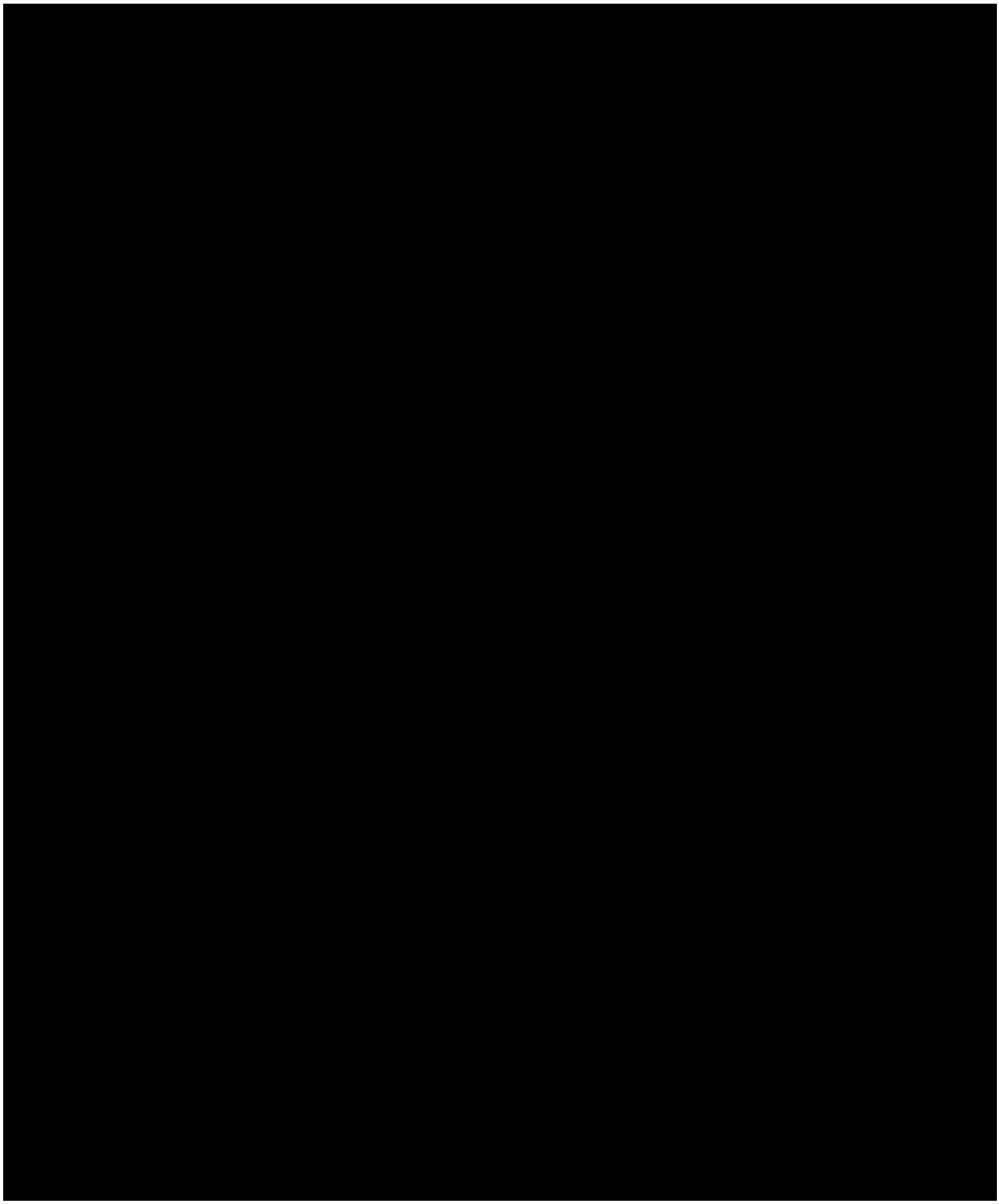

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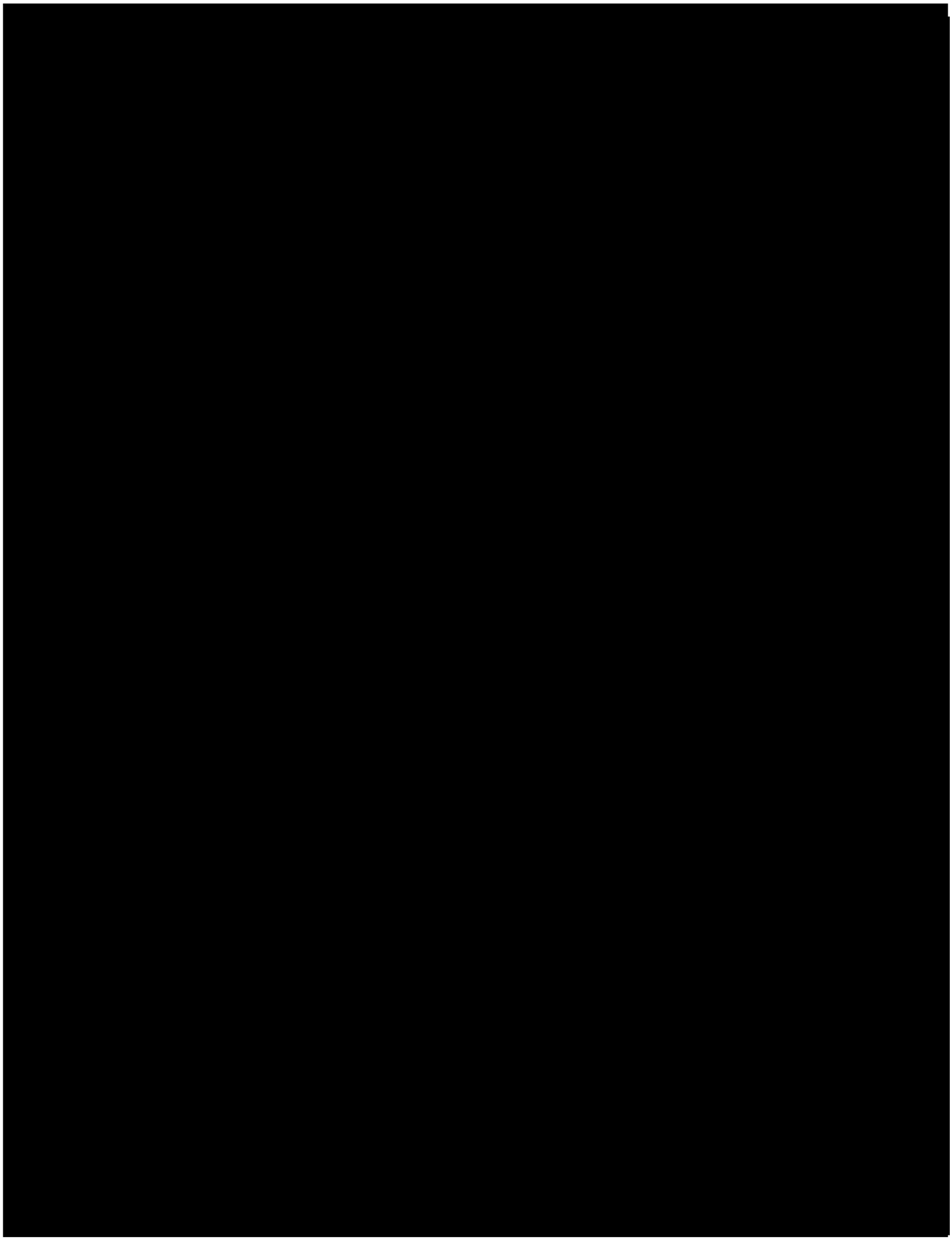

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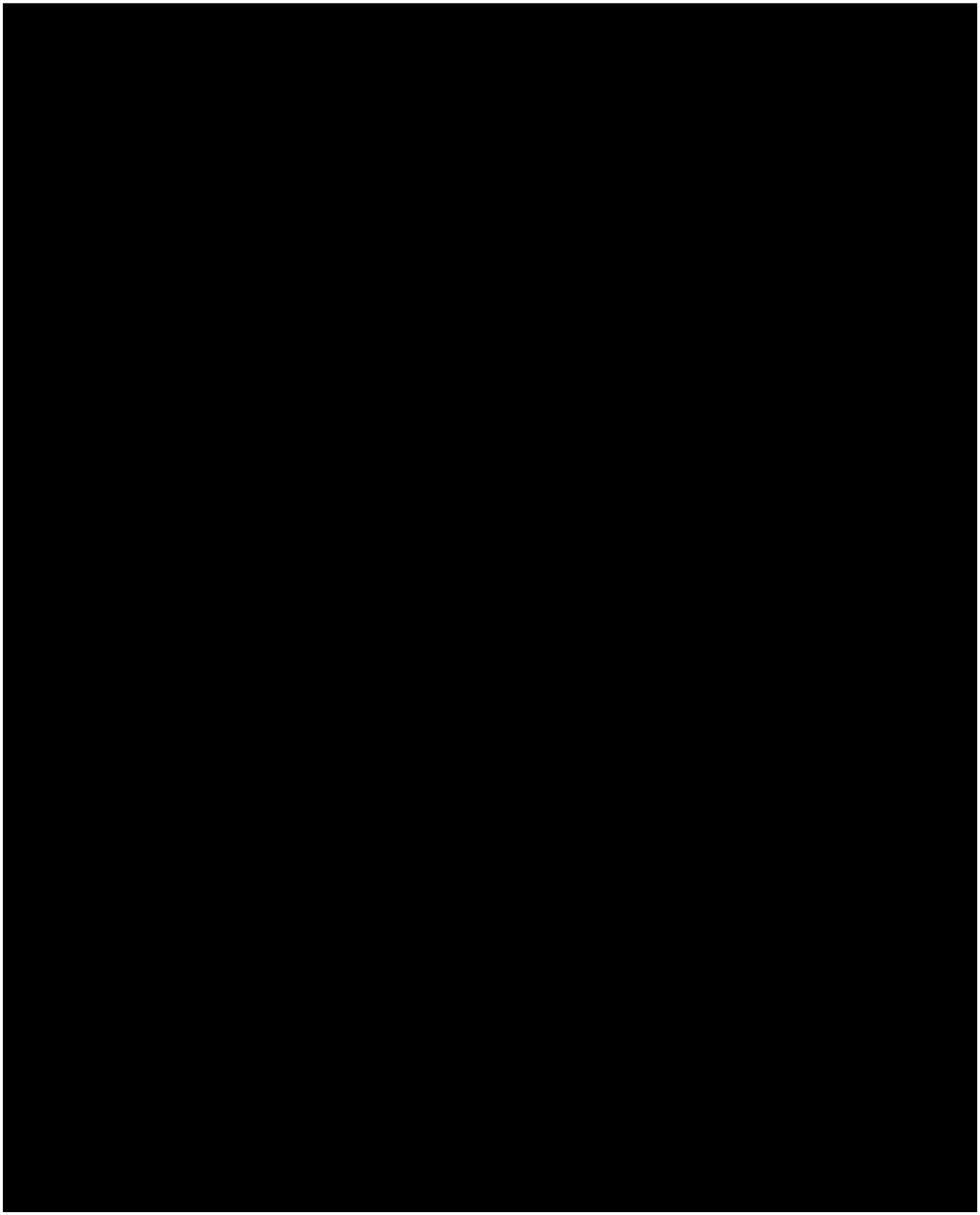

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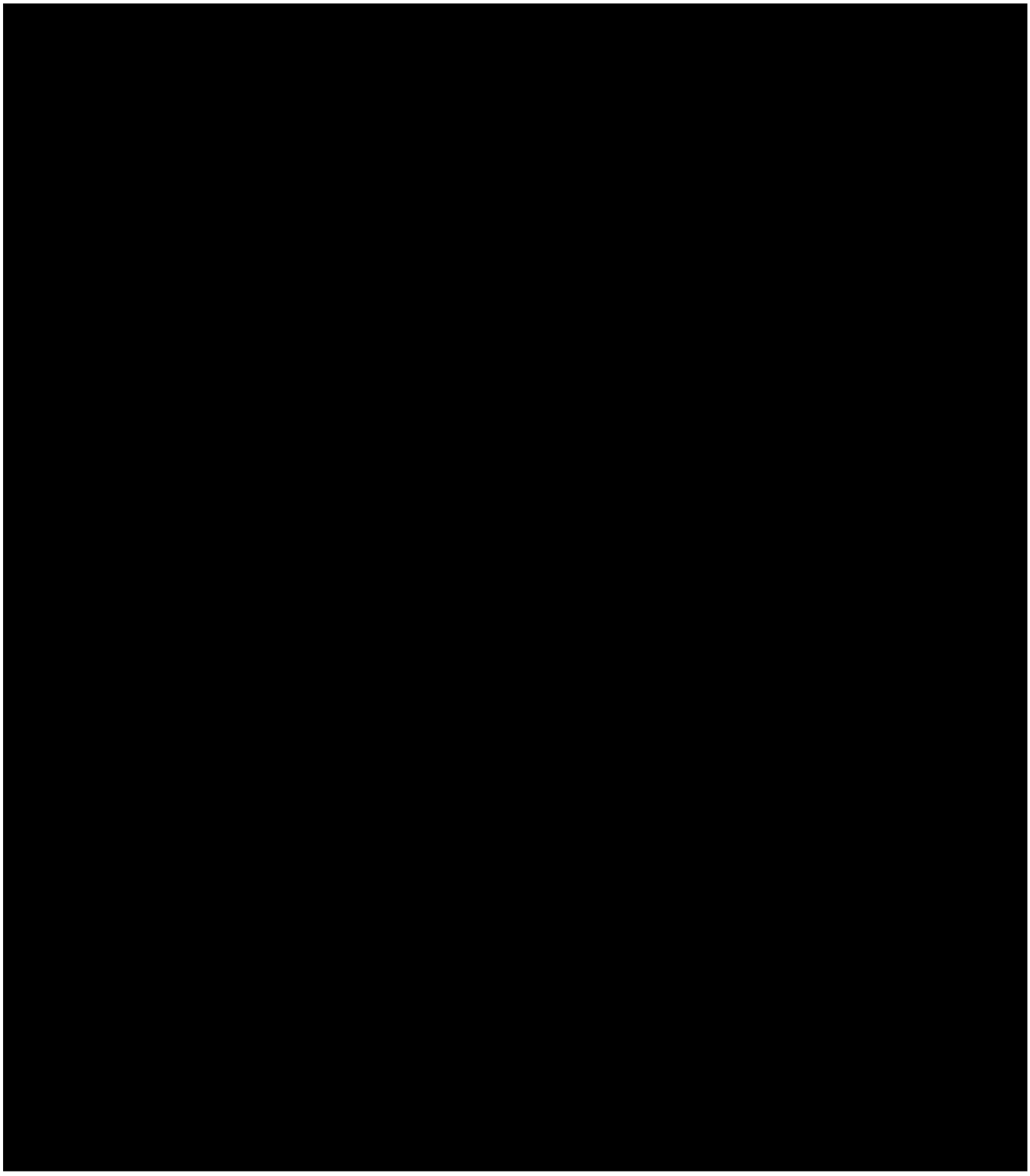

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Marathon Petroleum Company LP	Refining OT Practice Standard	
Title: **Operational Technology Environment - Protect**	Doc Number: **OT-002**	Rev No: **0**

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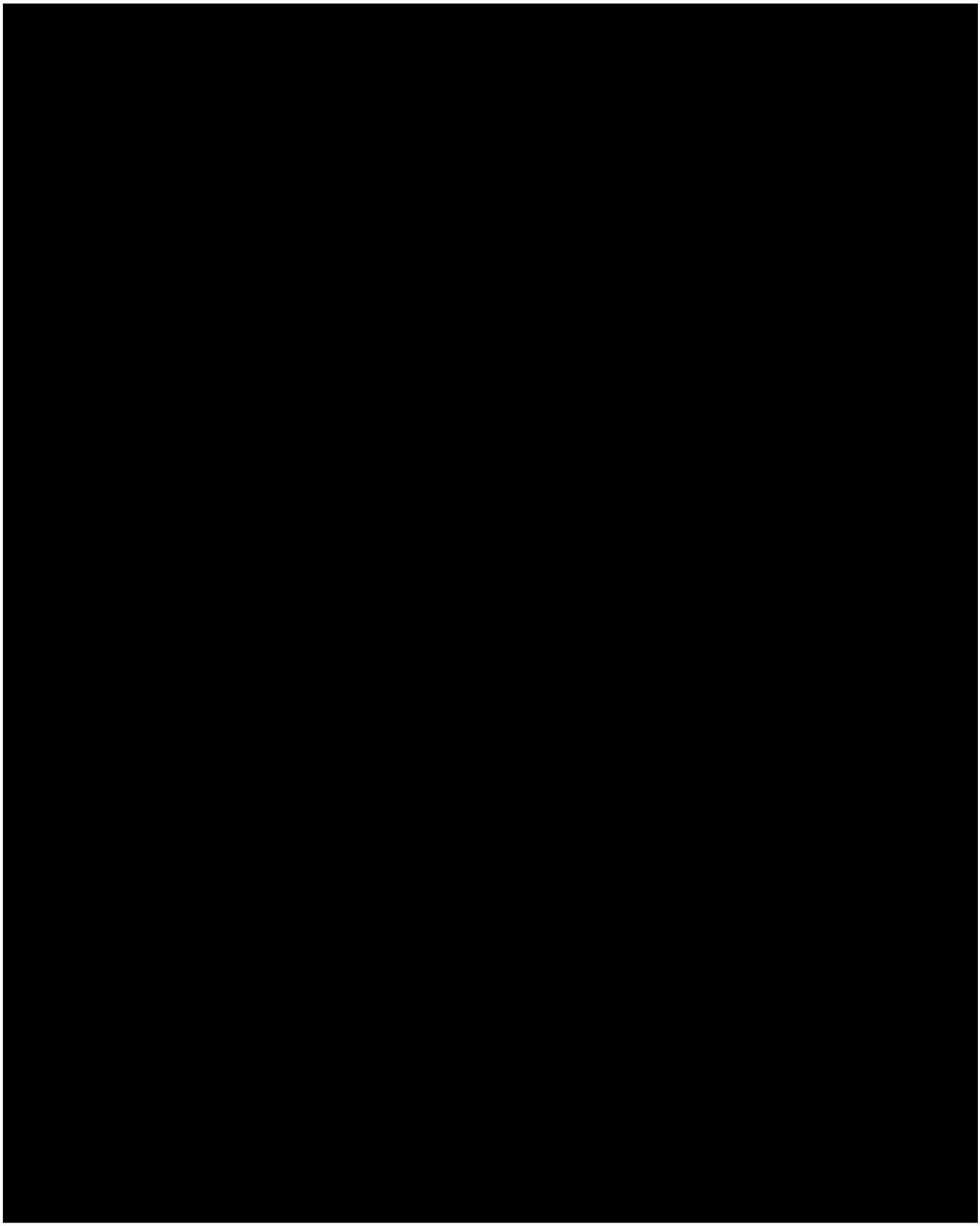

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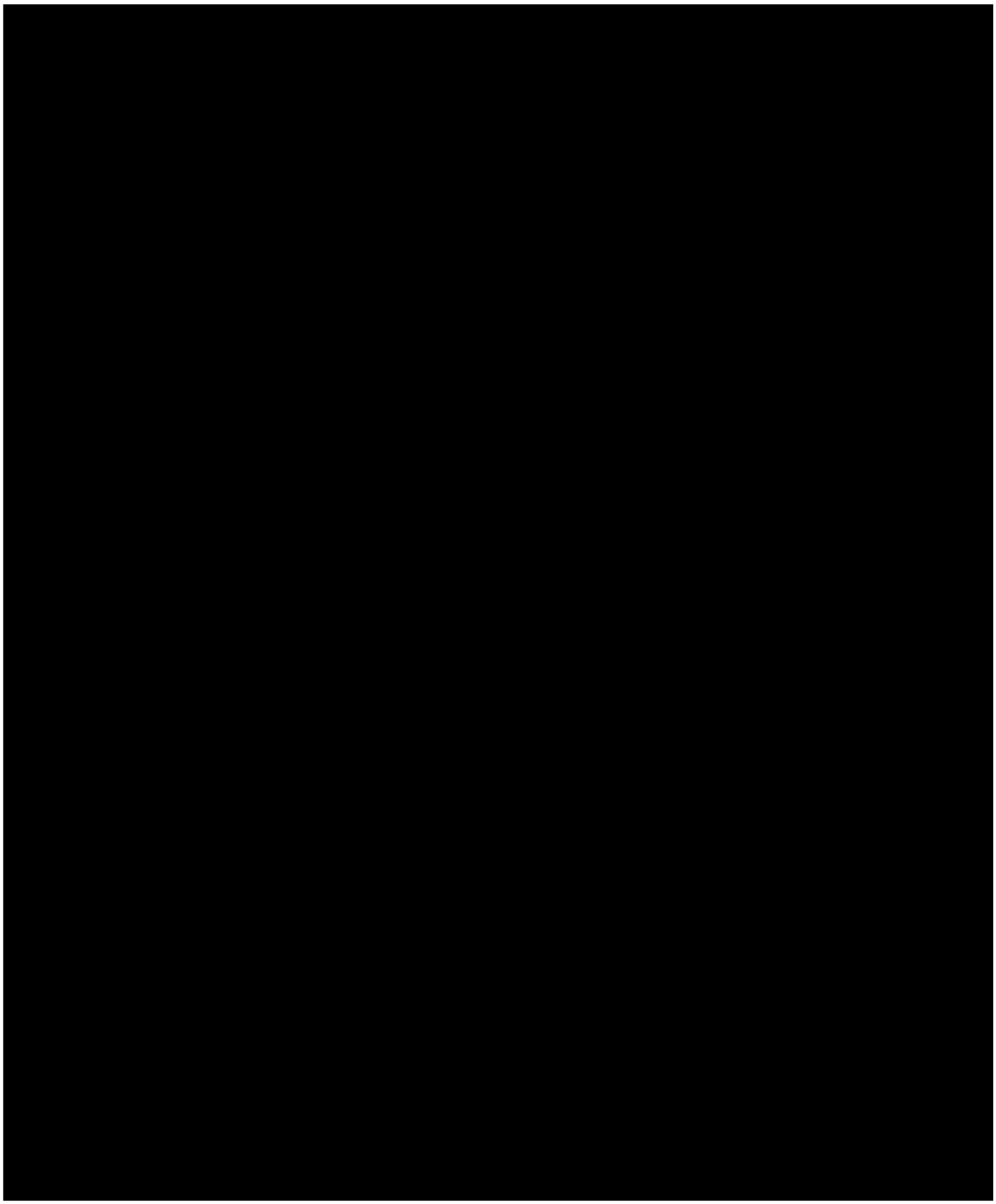

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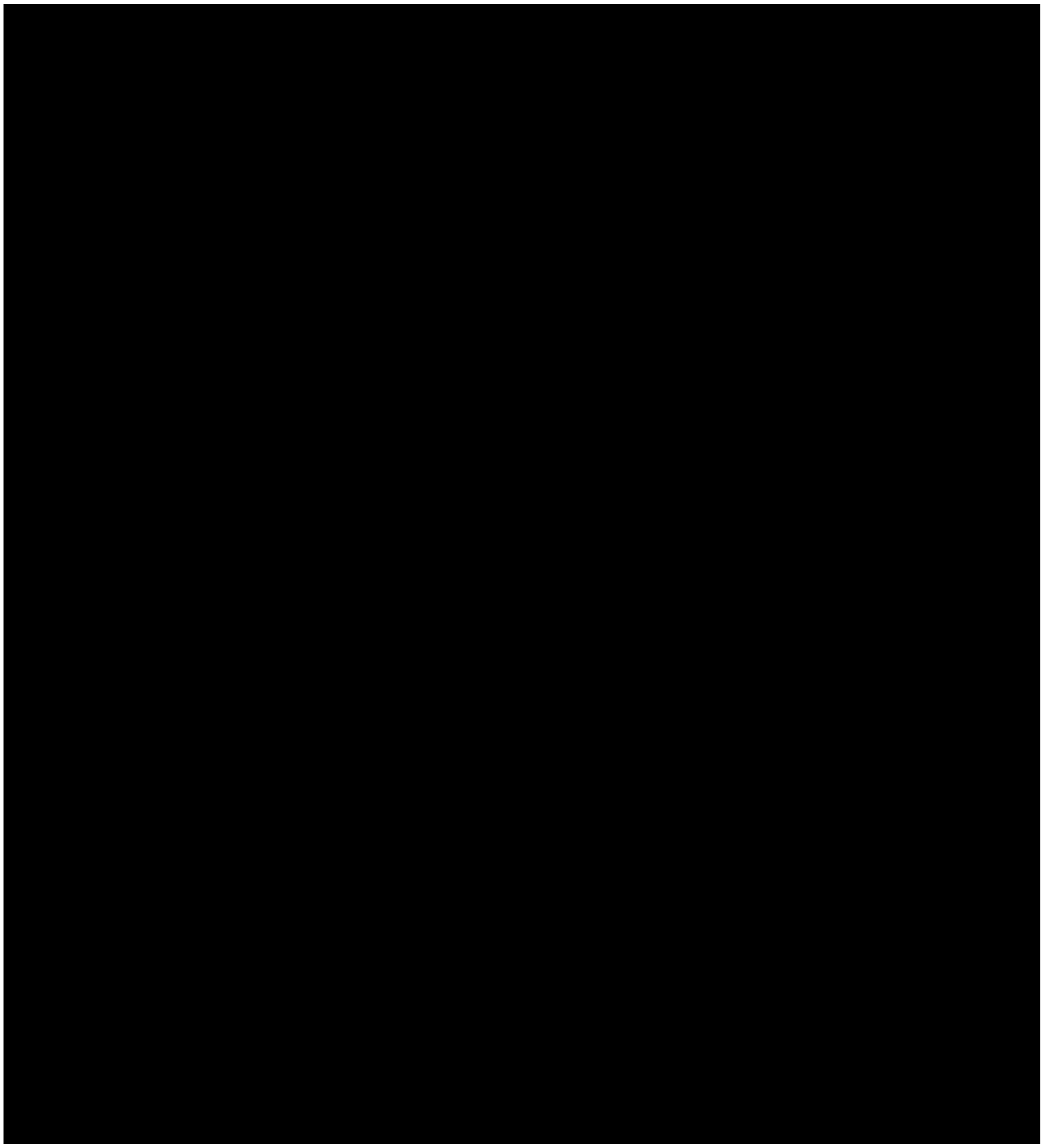

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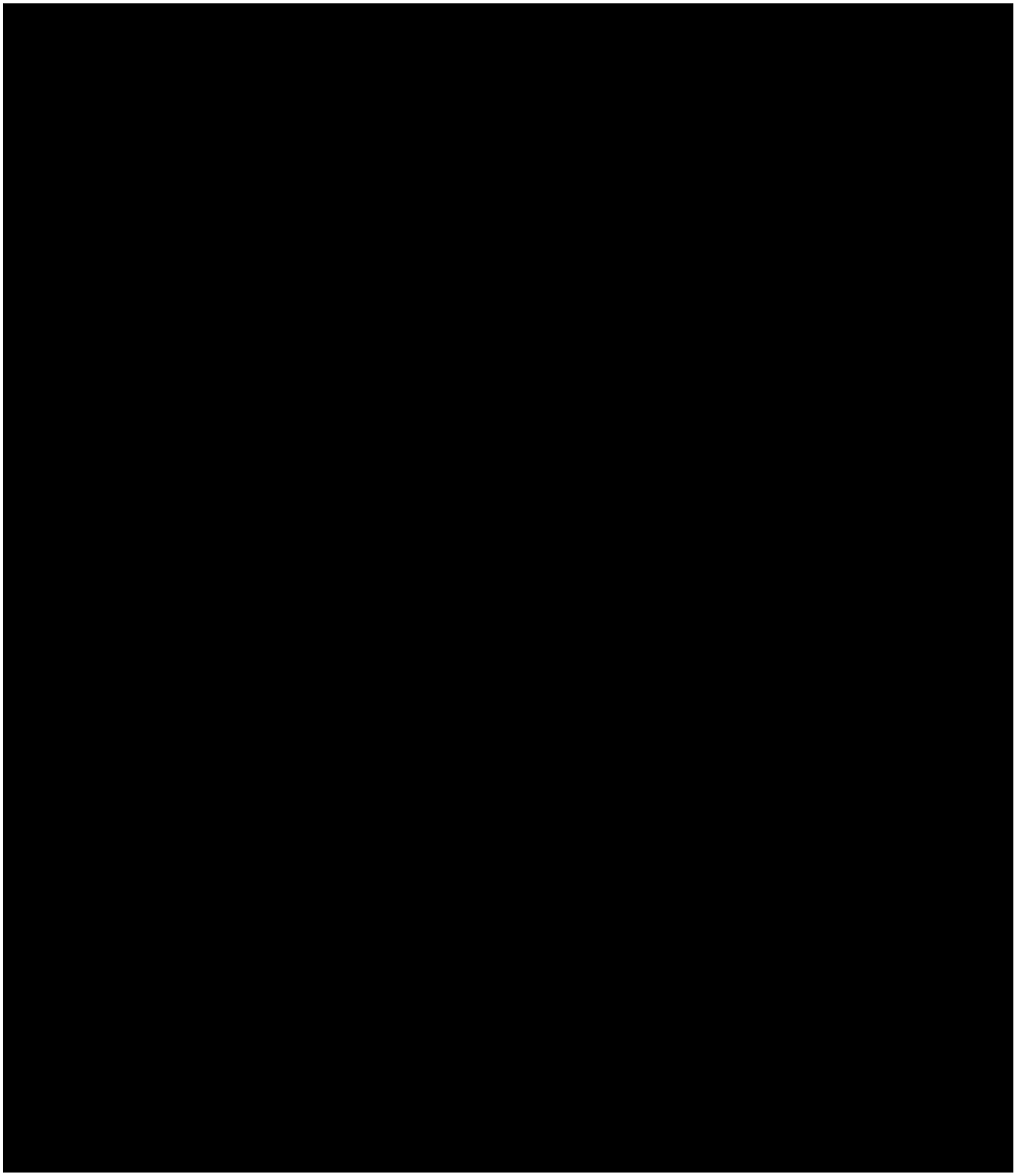

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Title: **Operational Technology Environment - Protect**	Doc Number: **OT-002**	Rev No: **0**

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Document Owners: Refining Technologist - OT	**Marathon Petroleum Company LP** **Refining Organization**	Doc No.: **OT-003** Rev No: 0
Approved By: Refinery General Managers, Refining IT Services Director, Refining Technology Director	**Operational Technology Environment Detect**	**Refining OT Practice Standard**
Date Approved: 12/10/2020	Next Review Date: 12/31/2023	Effective Date: 12/31/2020

Refining OT Environment - Detect

Overview

Purpose

The purpose of this document is to establish the National Institute of Standards and Technology (NIST) Cybersecurity Framework Detect function controls and requirements for Refining OT environments to be reliable and secure in compliance with MPC Policies and Standards listed in Section 1.1.

This document also provides management directives for the OT environment to provide:

- Detection of Anomalies and Events
- Security Continuous Monitoring.
- Requirements for Detection Processes.

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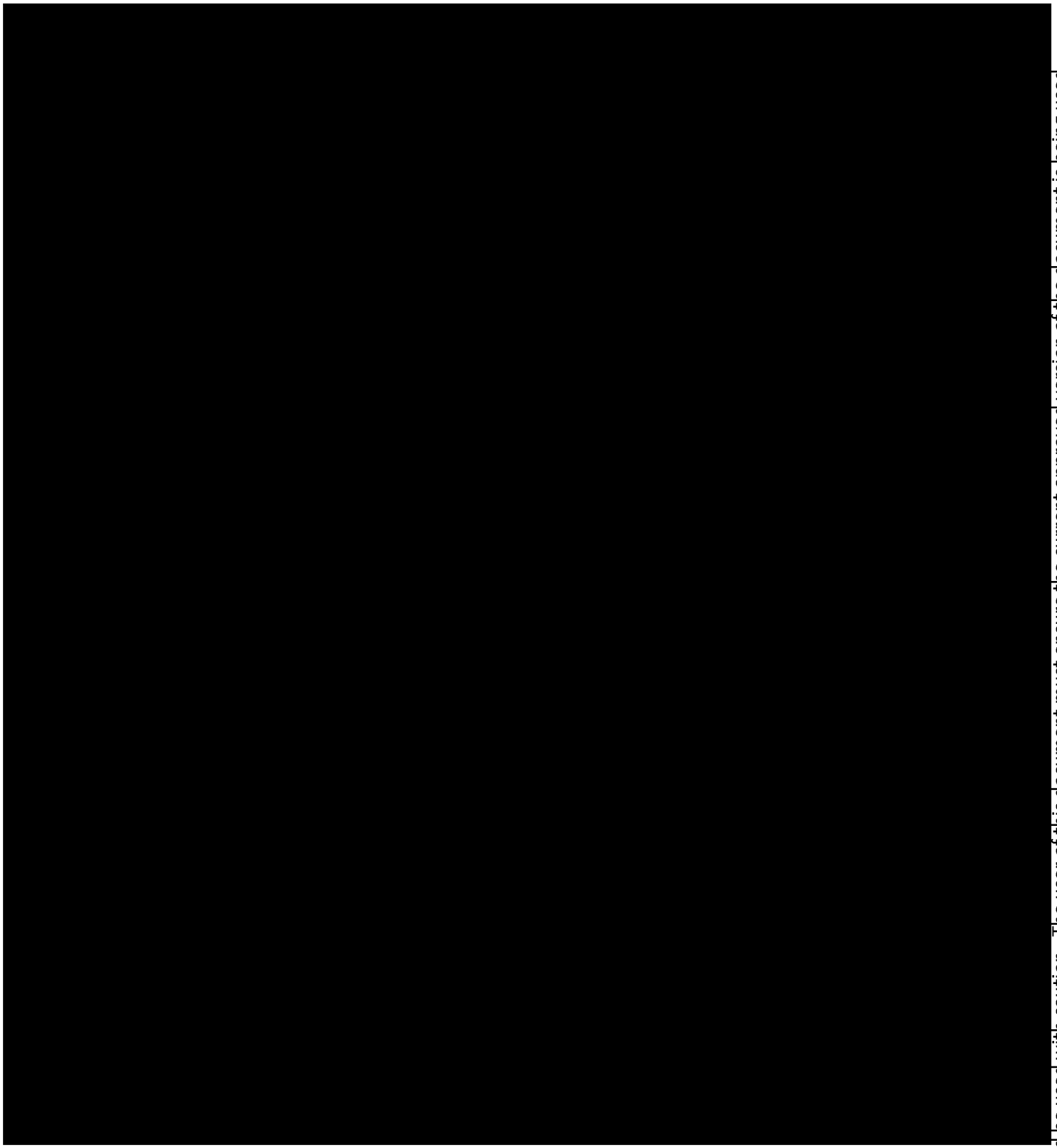

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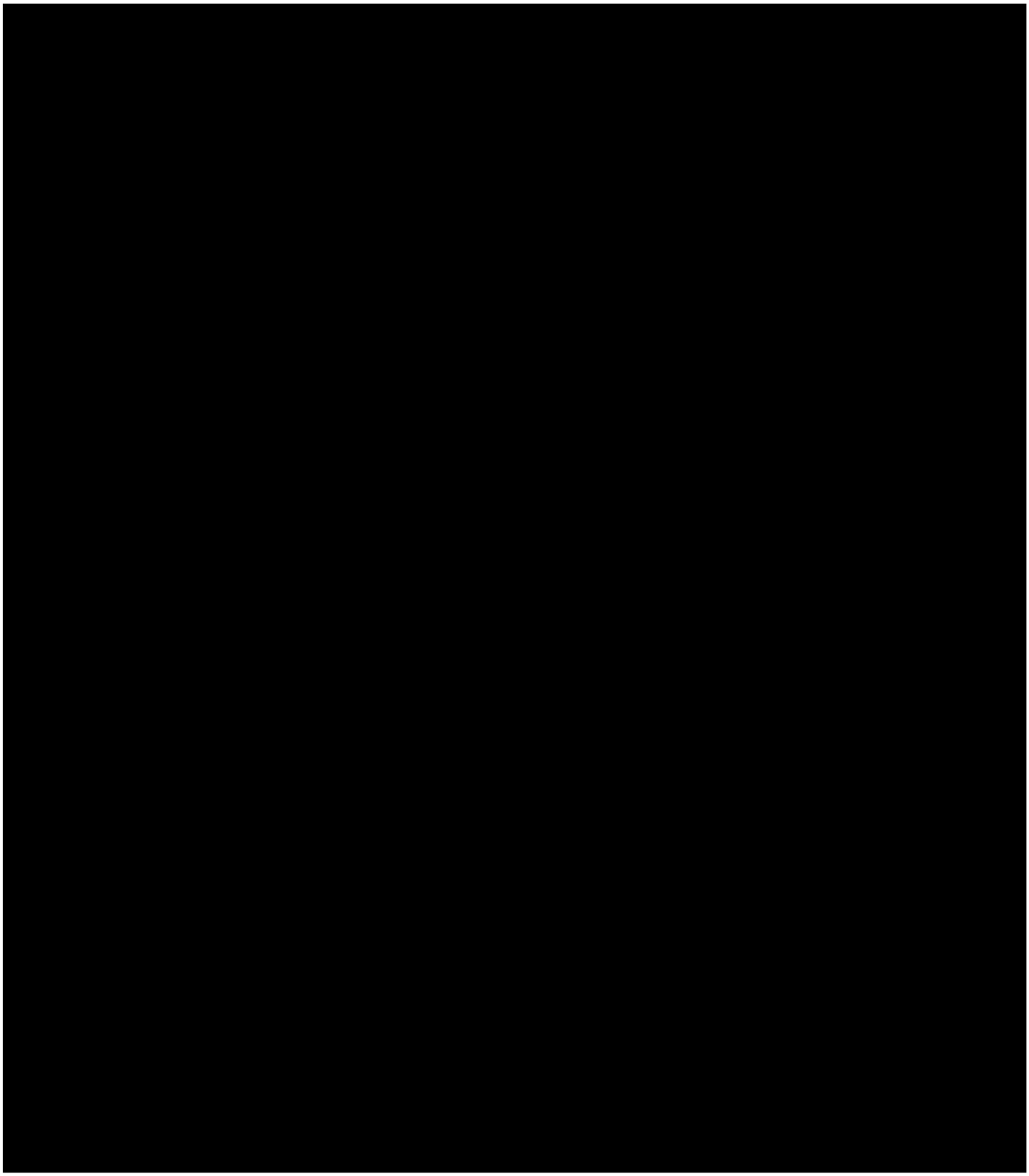
Marathon Petroleum Company LP	Refining OT Practice Standard	
Title: **Operational Technology Environment - Detect**	Doc Number: **OT-003**	Rev No: **0**



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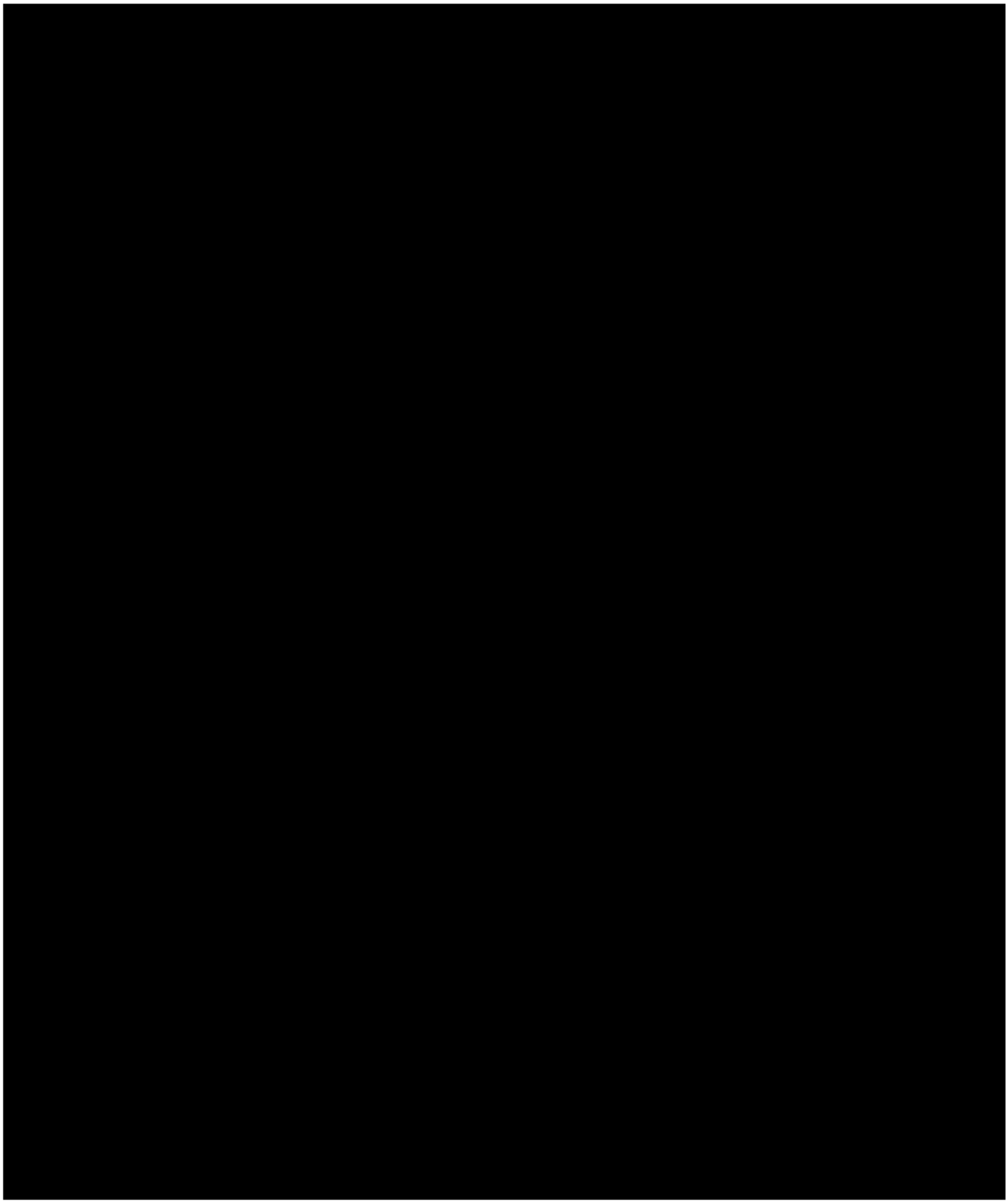

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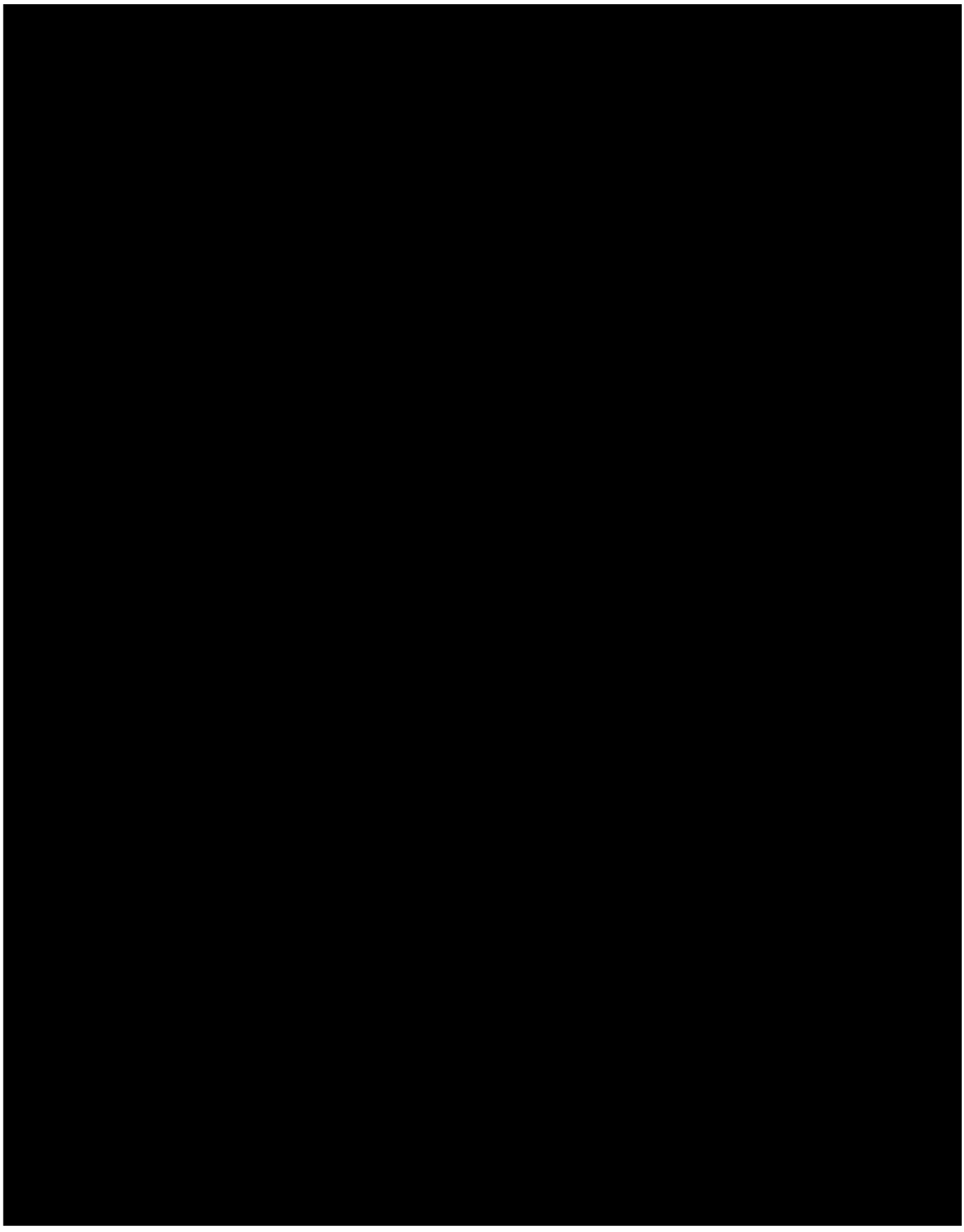
Title: **Operational Technology Environment - Detect**	Doc Number: **OT-003**	Rev No: **0**



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Title: **Operational Technology Environment - Detect**	Doc Number: **OT-003**	Rev No: **0**

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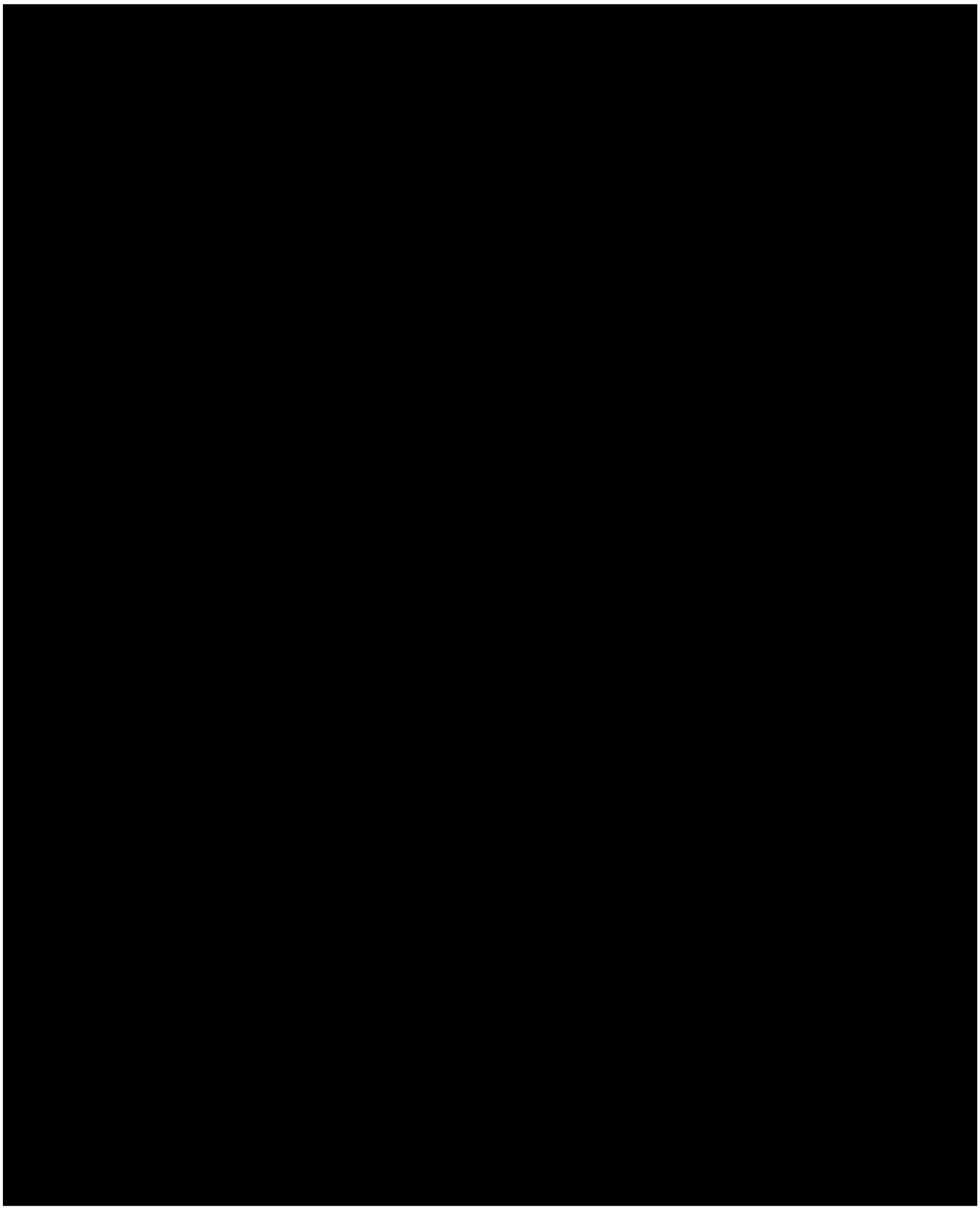

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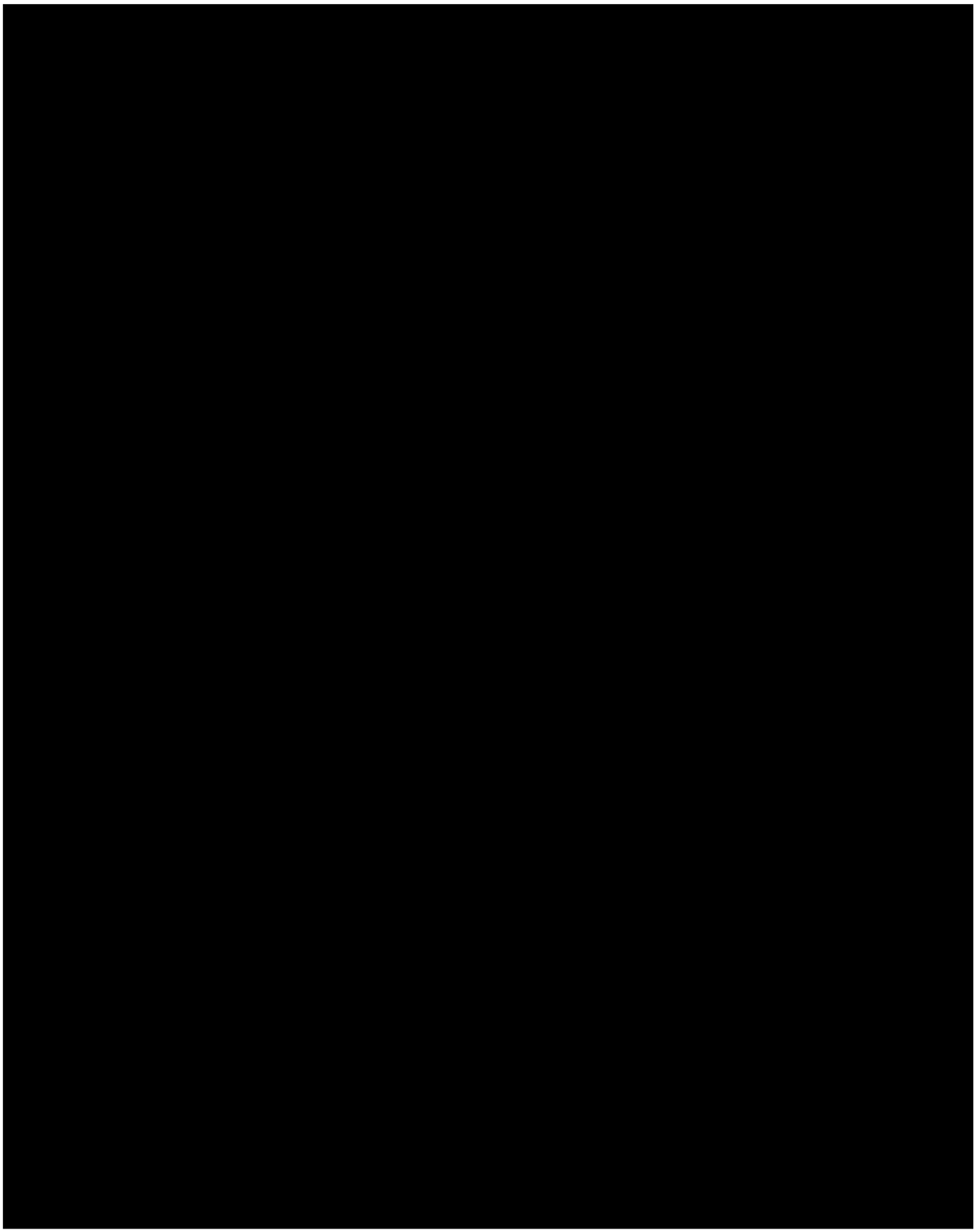
Title: **Operational Technology Environment - Detect**	Doc Number: **OT-003**	Rev No: **0**



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Marathon Petroleum Company LP	Refining OT Practice Standard	
Title: **Operational Technology Environment - Detect**	Doc Number: **OT-003**	Rev No: **0**

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Document Owners: Refining Technologist - OT	**Marathon Petroleum Company LP** **Refining Organization**	Doc No.: **OT-004** Rev No: 0
Approved By: Refinery General Managers, Refining IT Services Director, Refining Technology Director	**Operational Technology Environment Respond**	**Refining OT Practice Standard**
Date Approved: 12/10/2020	Next Review Date: 12/31/2023	Effective Date: 12/31/2020

Operational Technology Environment - Respond

Overview

Purpose

The purpose of this document is to establish the National Institute of Standards and Technology (NIST) Cybersecurity Framework Respond function controls and requirements for Refining OT environments to be reliable and secure in compliance with MPC Policies and Standards listed in Section 1.1.

This document also provides management directives for responding to an OT environment detection of a reliability issue or cyber security intrusion through:

- Response planning that outlines the content required for each refinery's response plan while recognizing that the uniqueness of the control system and OT environment at each MPC refinery requires individual site reliability and intrusion response plans.
- Communicating response plan execution status to responding personnel and stakeholders.
- Analysis and mitigation of the event.
- Response plan improvements based on lessons learned.

[redacted]

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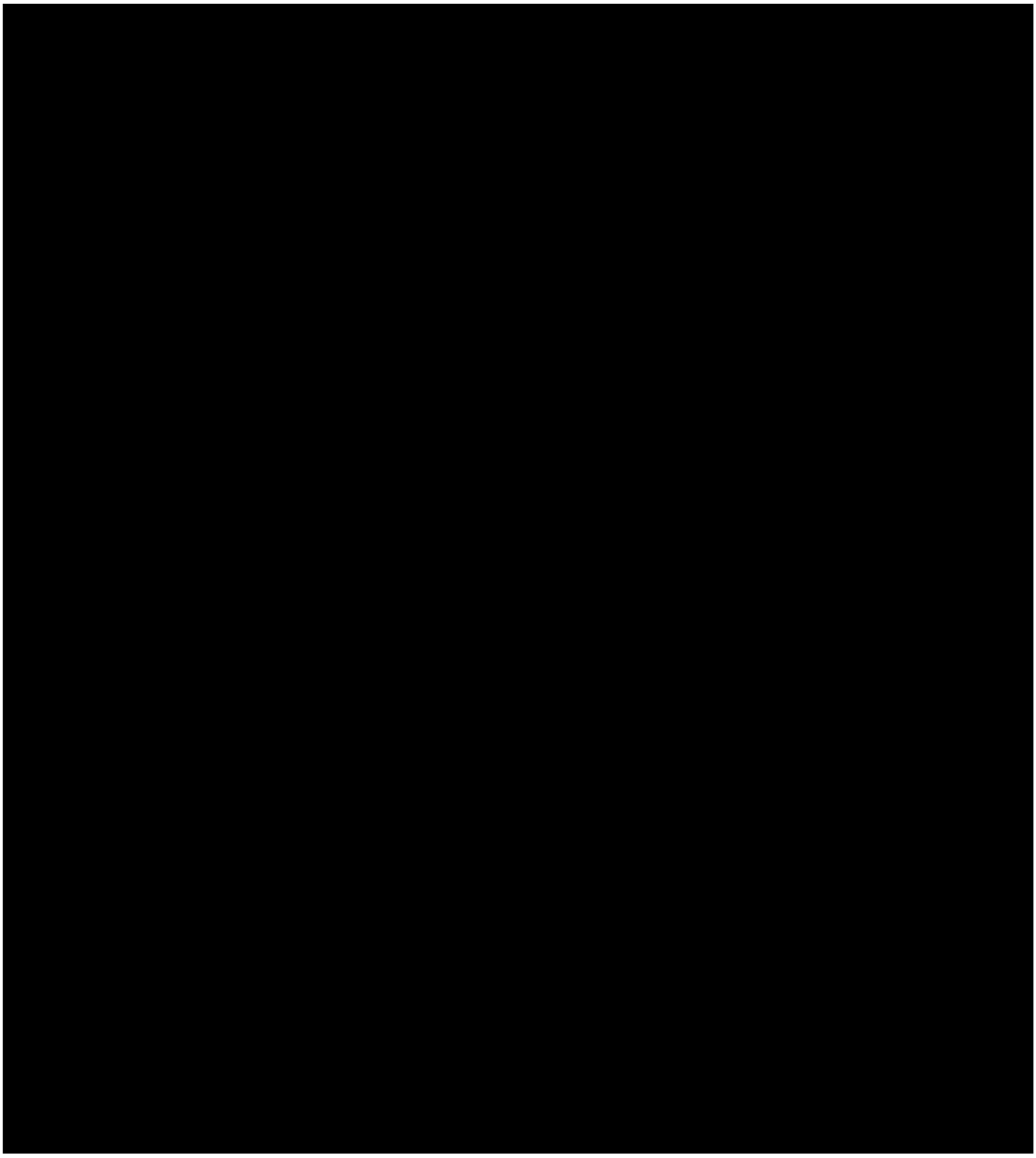

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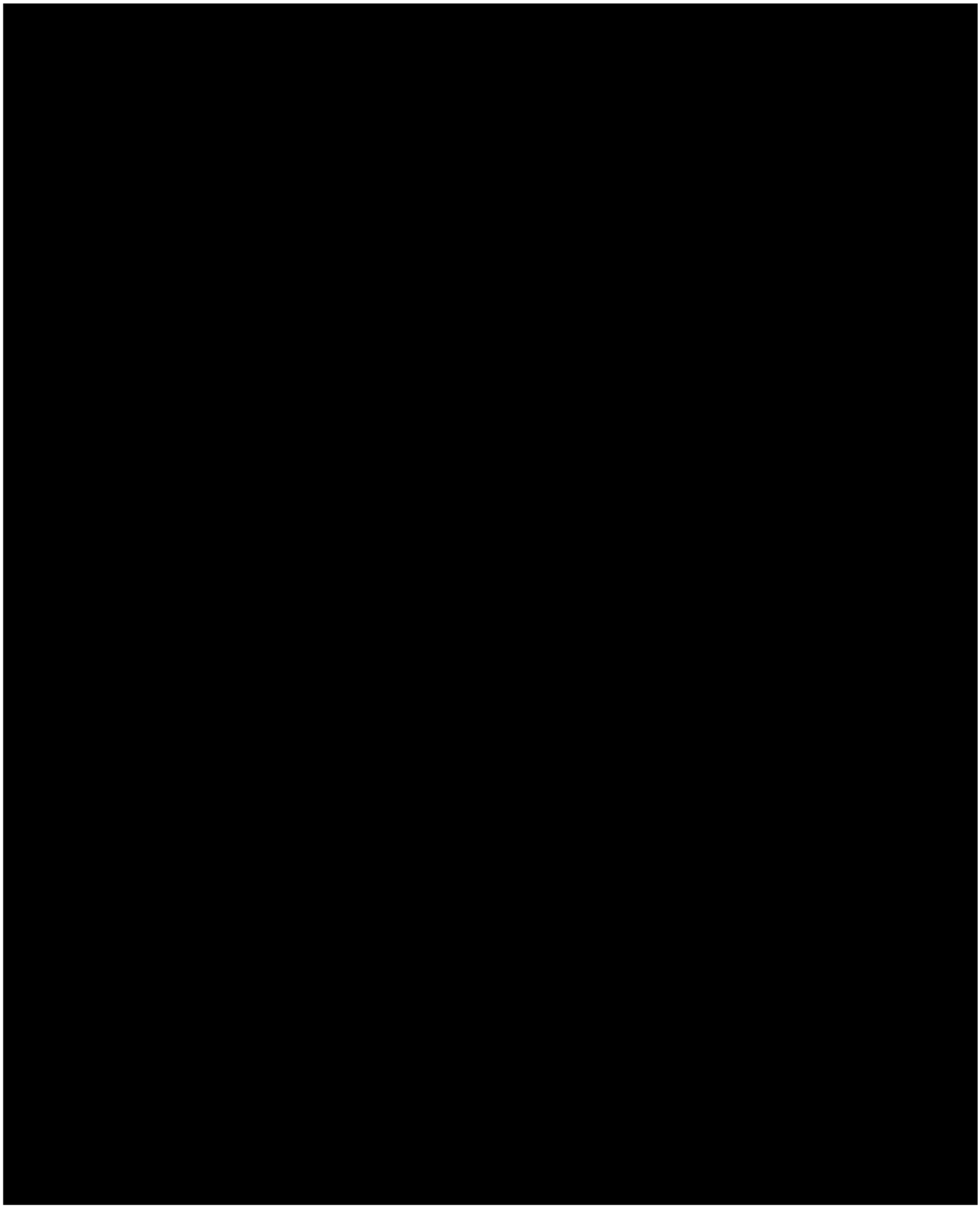
Marathon Petroleum Company LP	Refining OT Practice Standard	
Title: **Operational Technology Environment - Respond**	Doc Number: **OT-004**	Rev No: **0**



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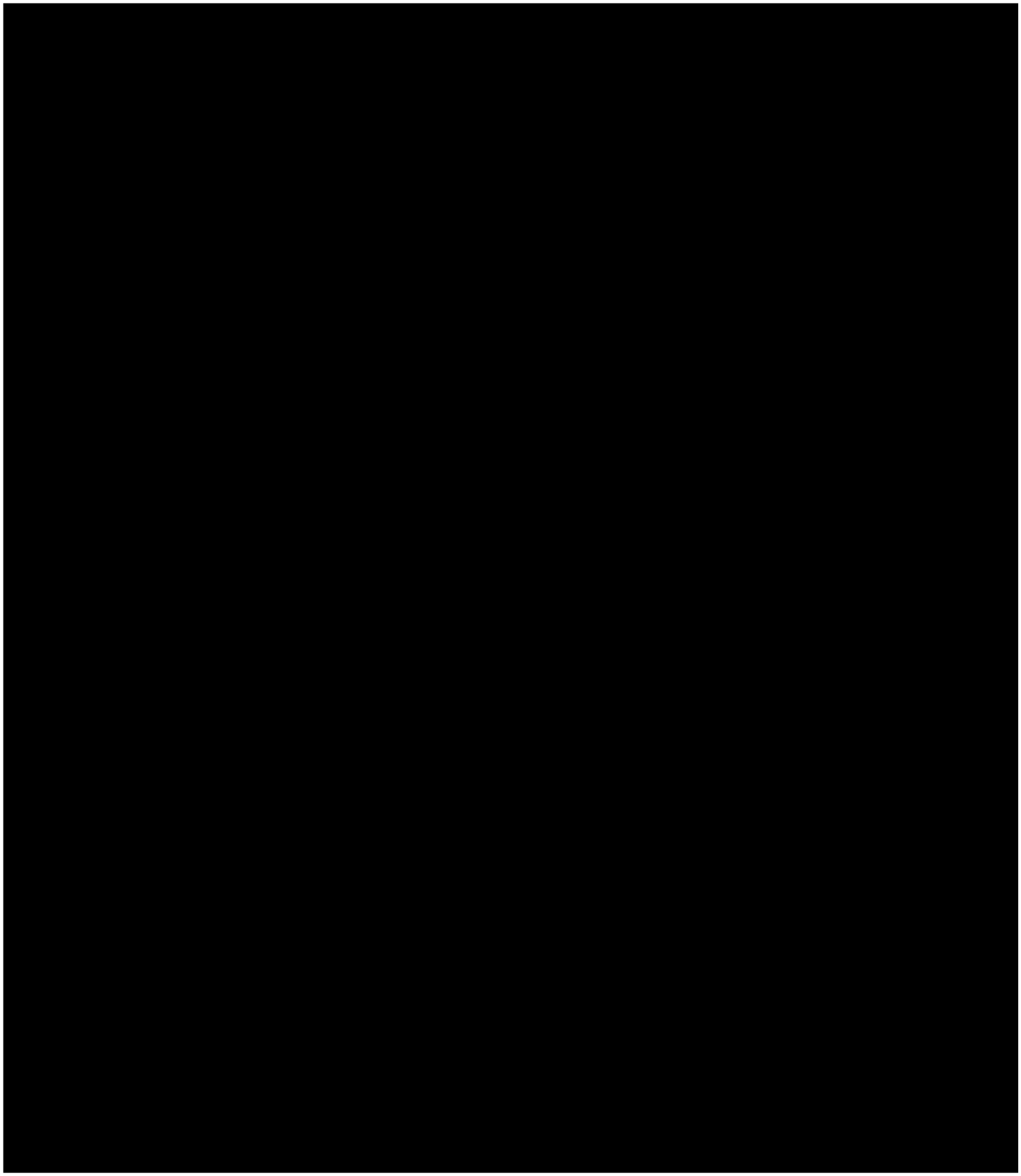
Marathon Petroleum Company LP	Refining OT Practice Standard	
Title: **Operational Technology Environment - Respond**	Doc Number: **OT-004**	Rev No: **0**



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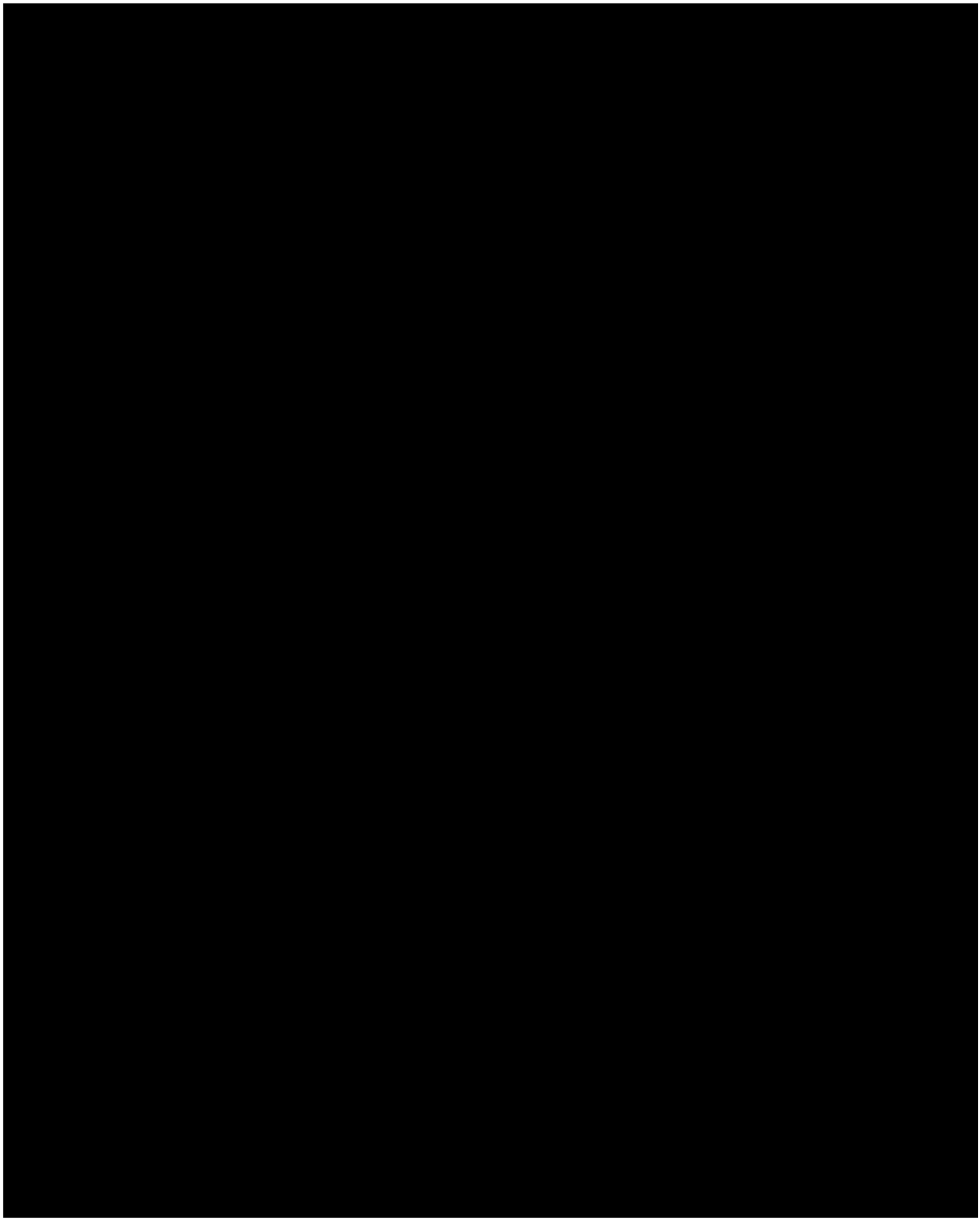
Marathon Petroleum Company LP	Refining OT Practice Standard	
Title: **Operational Technology Environment - Respond**	Doc Number: **OT-004**	Rev No: **0**



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Marathon Petroleum Company LP	Refining OT Practice Standard	
Title: **Operational Technology Environment - Respond**	Doc Number: **OT-004**	Rev No: **0**

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Document Owners: Refining Technologist - OT	**Marathon Petroleum Company LP** **Refining Organization**	Doc No.: **OT-005** Rev No: 0
Approved By: Refinery General Managers, Refining IT Services Director, Refining Technology Director	**Operational Technology Environment Recover**	**Refining OT Practice Standard**
Date Approved: 12/10/2020	Next Review Date: 12/31/2023	Effective Date: 12/31/2020

Operational Technology Environment - Recover

Overview

Purpose

The purpose of this document is to establish the National Institute of Standards and Technology (NIST) Cybersecurity Framework Recover function controls and requirements for Refining OT environments to be reliable and secure in compliance with MPC Policies and Standards listed in Section 1.1.

This document also provides management directives for ensuring business continuity through:

- Recovery planning for the OT environment after any loss of functionality, outlining the content required for each refinery's recovery plan while recognizing that the uniqueness of the control system and OT environment at each MPC refinery requires individual site plans for redundancy and recovery;
- Recovery plan improvements based on lessons learned;
- Communicating recovery plan execution status, both internal and external.

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Marathon Petroleum Company LP	Refining OT Practice Standard	
Title: **Operational Technology Environment - Recover**	Doc Number: **OT-005**	Rev No: **0**

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