

Prices of Services

Instructions:

Tenders are to provide a full, detailed breakdown of the price for the refurbishment of the Equipment. This breakdown should include each activity or component part required to meet overhaul/ replacement specification and standards. The breakdown should provide sufficient detail to allow TFL to identify any allowances tenders have made for discrete components, activities and elements intended to conduct/ supply in order for the specification to be met.

TFL 00789 Rotating Machines and the performance of related services for TFL (LT130) Traction Motors

Project Title

TFL - COMMERCIAL & CONFIDENTIAL

CHARGES / PRICING

Item no	Description	Price (each)	Description
1	SUPPLIER FIT INTERNAL LEAD MAIN (OPEN)		Old internal lead to be removed; new internal lead to be supplied & fitted
2	SUPPLIER FIT INTERNAL LEAD MAIN (CROSSED)		Old internal lead to be removed; new internal lead to be supplied & fitted
3	SUPPLIER FIT MAIN POLE No.2 CROSS. NO LEADS		Old field coil to be removed from the pole; New main field coil (No.2 crossed) to be supplied & fitted (pole & leads not included)
4	SUPPLIER FIT MAIN POLE No.1 OPEN NO LEADS		Old field coil to be removed from the pole; New main field coil (No.1 open) to be supplied & fitted (pole & leads not included)
5	SUPPLIER FIT COMP. & INTERPOLE COIL-CONTRACT		Old interpole field coils and compensating coils to be removed; Complete set of new interpole field coils and compensating coils to be supplied and fitted (poles & connecting leads not included)
6	SUPPLIER FIT INTERNAL LEAD INTERPOLE No.1		Old internal lead to be removed; new internal lead to be supplied & fitted
7	SUPPLIER FIT INTERNAL LEAD INT POLES No.2		Old internal lead to be removed; new internal lead to be supplied & fitted
8	SUPPLIER FIT INTERNAL LEAD INT No.4/BR LEAD		Old internal lead to be removed; new internal lead to be supplied & fitted
9	SUPPLIER FIT INTERNAL LEAD B.GEAR/TERM.BOX		Old internal lead to be removed; new internal lead to be supplied & fitted
10	SUPPLIER FIT MAIN POLE No.3 OPEN WITH LEADS		Old field coil to be removed from the pole; New main field coil (No.3 open) including leads to be supplied & fitted (pole not included)
11	SUPPLIER FIT MAIN POLE No.4 CROSS. WITH LEAD		Old field coil to be removed from the pole; New main field coil (No.4 crossed) including leads to be supplied & fitted (pole not included)
12	VPI MOTOR FIELD SYSTEM		Magnet frame complete with fully repaired felt system to be vacuum pressure impregnated in resin to approved method
13	REMOVE/REPLACE FIELD SYSTEM		Old field system to be removed from magnet frame using manual method; fully repaired field system to be fitted (seawise)
14	SUPPLIER FIT MAIN POLE LINER (20 SWG STL)		New main pole liner to be supplied and fitted

Additional Items where necessary

Item no	Description	Price (each)	Description
15	SUPPLIER FIT NEW TERMINAL BAR (440000410)		New terminal bar to be supplied and fitted
16	SUPPLIER FIT NEW T.BOX BARRIER (440000466)		New terminal box barrier to be supplied and fitted
17	SUPPLIER FIT NEW BARRIER (-Z-) TYPE		New barrier to be supplied and fitted
18	SUPPLIER FIT NEW INTERPOLE BRICK		New interpole (pole brick) to be supplied and fitted
19	SUPPLIER FIT NEW MAIN POLE BRICK		New main pole (pole brick) to be supplied and fitted
20	SUPPLIER FIT INTERPOLE LINER (18 SWG STL)		New inter pole liner to be supplied and fitted
21	SUPPLIER FIT INTERPOLE LINER (16 SWG STL)		New inter pole liner to be supplied and fitted
22	SUPPLIER FIT INTERPOLE LINER (21 SWG BRASS)		New inter pole liner to be supplied and fitted
23	SUPPLIER FIT NEW LAMINATED BACK IRON POLE		New laminated back iron (magnet core) assembly to be supplied and fitted
Other inferred items (Please List)			

Schedule 3

Framework Specification

Specifications and drawings:

Asset:	Specification No.:	Issue No.:	Date:
LT130 - Armature	AOS-E-RS-Ext-NET107-SP 11-No-840-A1 (LT130 Armature)	A1	08/04/2019
LT115 - Field & Armature	AOS-E-RS-Ext-NET107-SP11-No-458-A1 LT115 Field and Armature Repair specification	A1	31/03/2017
LT130 - Field	AOS-E-RS-Ext-SP11-No-308-B1 LT130 Field System Repair specification	B1	08/04/2019

Asset:	Drawings title:	DRAWING No.:	Revision:	Date:
LT130 - Armature	ARMATURE SHAFT LT130	REW00196	Revision D	28/08/2012
LT130 - Armature	LT130 ARMATURE WINDING DEVELOPMENT	REW00249	Revision A	28/09/1999
LT130 - Armature	LT130 SLOT WEDGE	214239	Revision A	05/04/2019
LT115 - Field & Armature	ARMATURE CORE LOCKING NUT & SCREW	41030	Revision A	14/05/1965
LT115 - Field & Armature	OUTLINE OF LT115 MOTOR	45655	ORIGINAL	10/11/1969
LT115 - Field & Armature	LONGITUDINAL SECTIONAL ASSEMBLY LT115	45656	Revision A	26/06/1981
LT115 - Field & Armature	CROSS SECTIONAL ASSEMBLY LT115	45657	ORIGINAL	23/10/1969
LT115 - Field & Armature	MAIN POLE ASSEMBLY	45692	ORIGINAL	14/08/1969
LT115 - Field & Armature	MAIN POLE CORE ASSEMBLY	45693	ORIGINAL	28/05/1969
LT115 - Field & Armature	MAIN POLE LAMINATION	45694	ORIGINAL	24/06/1969
LT115 - Field & Armature	MAIN POLE SPRING PLATE	45695	ORIGINAL	19/05/1969
LT115 - Field & Armature	MAIN POLE SPRING GUARD	45696	ORIGINAL	13/06/1969
LT115 - Field & Armature	MAIN POLE LINER	45697	ORIGINAL	24/06/1969
LT115 - Field & Armature	INTERPOLE ASSEMBLY	45698	ORIGINAL	04/09/1969
LT115 - Field & Armature	INTERPOLE CORE ASSEMBLY	45699	ORIGINAL	28/05/1969
LT115 - Field & Armature	INTERPOLE LAMINATION	45700	ORIGINAL	13/06/1969
LT115 - Field & Armature	INTERPOLE ENDPLATE	45701	ORIGINAL	13/06/1969
LT115 - Field & Armature	INTERPOLE SPRING PLATE	45703	ORIGINAL	14/05/1969
LT115 - Field & Armature	INTERPOLE SPRING GUARD	45704	ORIGINAL	11/06/1969
LT115 - Field & Armature	INTERPOLE COIL GUARD	45705	ORIGINAL	18/06/1969
LT115 - Field & Armature	INTERPOLE LINER	45706	ORIGINAL	23/06/1969
LT115 - Field & Armature	MAIN FIELD COIL	45707	ORIGINAL	12/09/1969
LT115 - Field & Armature	INTERPOLE COIL	45708	ORIGINAL	03/09/1969
LT115 - Field & Armature	ARMATURE ASSEMBLY LT115	45727	Revision A	12/08/1986
LT115 - Field & Armature	ARMATURE SHAFT	45728	Revision E	23/11/1993
LT115 - Field & Armature	ARMATURE CORE KEY	45729	ORIGINAL	03/06/1969
LT115 - Field & Armature	ARMATURE CORE ASSEMBLY	45730	Revision A	12/10/1972
LT115 - Field & Armature	ARMATURE LAMINATION (THIN INSULATED)	45731	Revision A	23/02/1988
LT115 - Field & Armature	ARMATURE LAMINATION (THIN UNINSULATED)	45732	Revision A	23/02/1988
LT115 - Field & Armature	WINDING SUPPORT & FAN HUB D.E.	45734	ORIGINAL	13/05/1969
LT115 - Field & Armature	WINDING PULLEY O.D.E.	45735	ORIGINAL	13/05/1969
LT115 - Field & Armature	COMMUTATOR ASSEMBLY	45748	ORIGINAL	10/09/1969
LT115 - Field & Armature	COMMUTATOR HUB	45749	ORIGINAL	28/05/1969
LT115 - Field & Armature	COMMUTATOR RING	45750	ORIGINAL	21/05/1969
LT115 - Field & Armature	COMMUTATOR VEE RING (MICA)	45751	ORIGINAL	23/06/1969
LT115 - Field & Armature	SPECIAL COMMUTATOR BOLT	45752	ORIGINAL	03/06/1969
LT115 - Field & Armature	COMMUTATOR BAR MACHINING	45753	Revision A	27/11/1978
LT115 - Field & Armature	ARMATURE COIL	45754	Revision B	28/02/1979
LT115 - Field & Armature	ARMATURE BANDING AND INSULATION	45755	ORIGINAL	14/10/1969
LT115 - Field & Armature	MOULDED ARMATURE SLOT WEDGE	45756	Revision B	06/01/1984
LT115 - Field & Armature	DIAGRAM OF FIELD CONNECTIONS	45767	ORIGINAL	02/06/1969
LT115 - Field & Armature	OUTLINE LT115	46113	ORIGINAL	04/01/1968
LT115 - Field & Armature	BALANCE WEIGHT & GRUB SCREW	48292	Revision B	01/04/1993
LT115 - Field & Armature	ARMATURE LAMINATION (THICK) LT115	49527	ORIGINAL	19/10/1972
LT115 - Field & Armature	TRACTION MOTOR ARMATURE WINDING INSULATION	54385	Revision A	March 1979
LT130 - Field	LT130 INTERPOLE WINDING	REW00199	Revision A	30/10/2000
LT130 - Field	LT130 COMPENSATING WINDING / Compensating Coil Copper Length Cut Sizes	214218	Revision A	04/02/2019
LT130 - Field	FIELD AND MAGNET ASSEMBLY	REW00205	Revision A	10/05/2017
LT130 - Field	LT130 INTERPOLE LEADS	REW00219	Revision A	10/05/2017
LT130 - Field	LT130 POLE BRICK	REW00243	Revision A	10/08/2000
LT130 - Field	LT130 INTERPOLE BRICK	REW00264	Revision A	17/08/2000
LT130 - Field	Interpole Washer	REW00272	Revision A	18/05/2017
LT130 - Field	Main Field Winding / Main Pole Coil / Main Field Section	REW00198	Revision B	10/03/1999

Work instructions:

Asset:	Work Instruction (W.I.) Title	W.I. Ref.	Revision	No.:
LT130 - Cases			N/A	Mar-13
LT130 - Cases			N/A	Mar-16
LT130 - Cases			N/A	Aug-18
LT130 - Cases			N/A	Aug-18
LT130 - Cases			N/A	Aug-18
LT130 - Cases			N/A	Aug-18
LT130 - Cases			1	Sep-18

Schedule 4
Example Form of Order



Purchase order

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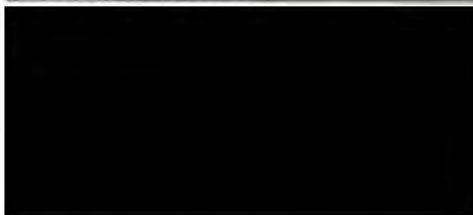
Vendor address



Invoice to



Delivery address

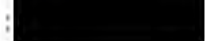


Contact

Requested by



Telephone



Email



Information

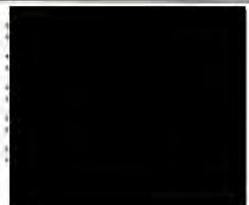
Purchase order no.

Creation date

Vendor no.

Currency

Payment terms

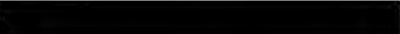


Instructions to vendor

The supply of goods/services under this purchase order is subject to the Purchase Order Conditions of Contract which are available on www.tfl.gov.uk or available on request from the contact named below. Supply of goods or services under this purchase order indicates your acceptance of such conditions.

ORIGINAL PAPERWORK and FULL TEST CERTIFICATE REPORT TO BE RETURNED WITH OVERHAUL ITEM ON COMPLETION OF WORK. TD REW will not accept any items with metal banding. Pls ensure an acceptable alternative is used.

Order to be acknowledged, confirming price(s) and delivery promise in writing. Despatch note: 

Procurement Department: Date: 

London Underground Ltd - SSL

Registered Office: 55 Broadway, London SW1H 0BD. Registered in England and Wales no. 01900907.

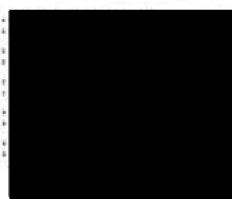
VAT number: 756 2770 08. London Underground Ltd is a company controlled by a local authority within the meaning of Part V of the Local Government and Housing Act 1989. The controlling Authority is Transport for London.

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If you have problems reading this text please call 

Information

Purchase order no.
 Creation date
 Vendor no.
 Currency
 Payment terms

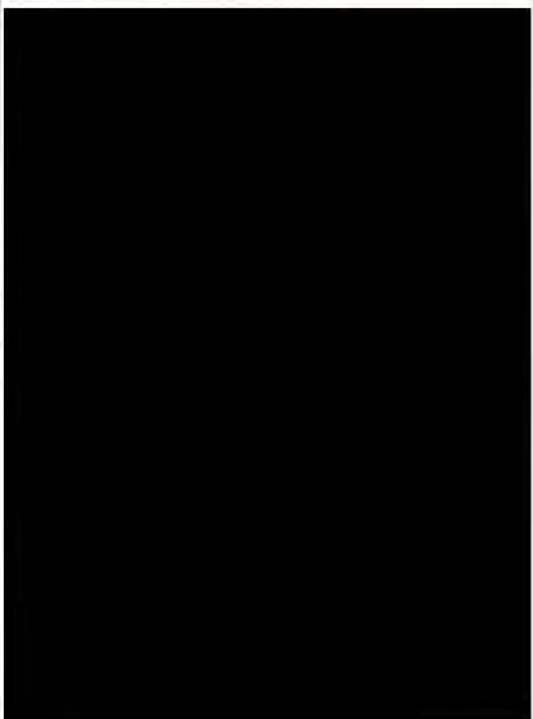


Item	Description	Quantity	UM	Net price	Total price
0010			EA		
0020			EA		
0030			EA		
0040			EA		

Procurement Department:

Date:

Information	
Purchase order no.	
Creation date	
Vendor no.	
Currency	
Payment terms	

Item	Description	Quantity	UM	Net price	Total price
0050			EA		
0060			EA		

Procurement Department:

Date

Schedule 5

Contract Variation Procedure

- 1 The cost of any Variation Order shall be agreed between the parties taking account of the reasons why the Variation Order was required.
- 2 The Company may propose a variation by completing Part A of the Variation Proposal and supplying three (3) copies of it to the Supplier. Within five (5) Working Days of receipt, or such other time as may be agreed by the Company, the Supplier shall complete Part B of the Variation Proposal and shall supply two (2) copies of the Variation Proposal to the Company. The Company shall be entitled, at any time within thirty (30) days of receipt, to instruct and authorise the Supplier to proceed with the variation on the terms so set out by each party by completing and signing Part C of one copy of the Variation Proposal (which, following such signature, will be referred to as a "**Variation Order**") and supplying such Variation Order to the Supplier. The relevant part(s) of the relevant Contract shall thereupon be varied accordingly.
- 3 The Supplier may propose a variation, after requesting the issue by the Company of a Variation Proposal variation number, by completing Parts A and B of a Variation Proposal and supplying two (2) copies of it to the Company. The Company shall be entitled, at any time within thirty (30) days of receipt, to instruct the Supplier to proceed with the variation on the terms so set out by the Supplier by completing and signing Part C of one copy of the Variation Proposal (which, following such signature, will be referred to as a "**Variation Order**") and supplying such Variation Order to the Supplier. The relevant part(s) of the relevant Contract shall thereupon be varied accordingly.
- 4 The Supplier may indicate in a Variation Proposal that the price is an estimated price but, if it does so, it shall supply a firm price to the Company in writing at least seven (7) days before the expiry of the time within which the Company is entitled to instruct the Supplier to proceed with the variation.
- 5 The price indicated by the Supplier must be the full price and shall cover all costs associated with the variation. If appropriate a range of prices may be shown corresponding to the quantity of Goods to be supplied and extent of the Services to be carried out.
- 6 In an emergency, both parties shall use their reasonable endeavours to expedite the actions permitted or required under the Contract Variation Procedure.
- 7 The Company will not accept any retrospective claims for additional work caused by a variation which has not been approved by the Company in accordance with the Contract Variation Procedure before the commencement of such additional work.

- 8 All authorised additional work resulting from any Variation Proposal shall be priced in accordance with any applicable rates set out in Schedule 2.
-
- 9 The Supplier shall at all times act reasonably and shall price each Variation Proposal at the least possible additional cost to the Company that it is reasonably and economically practicable for the Supplier to offer and which has the least possible impact on the terms of the Agreement and the relevant Contract, including, but not limited to the Specification and the Order Programme.
- 10 Strict adherence to the procedure described in this Schedule 5 shall be a condition precedent to any addition to the price for the Goods and Services. If the Supplier does not adhere to each paragraph in this Schedule 5 then the Supplier shall not be entitled to any addition to the price notwithstanding that the Supplier may have supplied additional or varied Goods and/or Services.

Appendix 1
Form of Variation Proposal/Variation Order

To:	From:
------------	--------------

Contract Reference Number:
Order Number:
Variation Number:
Variation Title:

PART A (TO BE COMPLETED BY THE ORIGINATOR OF THE VARIATION ORDER)	
Description of change:	
Reason for changes and impact (if any) on Contract:	
Variation Proposal Authorised by:	Proposal Date:
PART B (TO BE COMPLETED BY THE SUPPLIER)	
Price Breakdown Note: If a further breakdown is needed please append details as a separate sheet.	
Expected Order Delivery Date and/or Order Completion Date:	
Supplier's Representative:	
Print Name:	Signature: Date:
Completed document to be returned to the Company's Representative	
PART C (TO BE COMPLETED BY THE COMPANY'S REPRESENTATIVE)	
Comment on Parts A and B:	
Variation Authorisation	
Company's Representative:	
Print Name:	Signature: Date:

Schedule 6

QUENSH and Quality and Safety Plan

F0780 A18 Contract Menu

This Contract Menu must be used in conjunction with
Category 1 Standard S1552 "Contract QUENSH Conditions"

Contract Menu

Contract No: TFL-000789

Contract Name Rotating Machines and the performance of related services –
Traction Motors

Client: [REDACTED]

Supplier: _____

Principal Contractor:

Yes ☒

No ☐

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Guidance

The menu is a tool which is used by the Client to identify conditions that apply to specific contracts and communicate these conditions to the Supplier.

How to complete the menu

- 1) The Client evaluates the scope of work and enters 'Y' or 'N' in the 'Identified by the Client' column of the menu against each condition selected as applicable or not applicable to the Contract. In the 'Other documents / comments' column the Client can make references to other documents which are supplementary information which is available although not contained within the QUENSH manual but should be considered by the Supplier when they review the conditions. Copies of any additional documents identified in the menu shall be made available to the Supplier. All documents referenced in the Menu shall be current issue, unless otherwise advised. This column can also be used to communicate information (comments) to the Supplier which may be of use to the Supplier when reviewing the conditions.
- 2) The Client fills in 'Client menu (Invitation to Tender)' section on the last page of the menu and issues the menu as part of the ITT.
 - a) The Supplier receives the ITT, evaluates the scope of work and, as a requirement of the tendering process, inserts 'Y' or 'N' in the 'Identified by the Supplier' column of the menu against each condition selected as being applicable. These selections may be different from those identified by the Client. Where the Supplier's selection differs from the Client's selection, a clear explanation of the reason for these differences shall be given by the Supplier. A reference to these explanations shall be put in the 'Reference to explanation' column on the menu.
 - b) The Supplier representative signs and dates the 'Supplier menu (Tender)' on the last page of the menu and submits it with the tender, for consideration by the Client.
 - c) Differences in the Client and Supplier menu selections will be discussed and resolved with the Client at subsequent tender review meetings. The agreed final version of the menu selections shall form a mandatory part of the Contract and shall be complied with by all Suppliers and their sub-contractors.
 - d) The menu shall be subject to project version and document control.

Queries on the menu

Any queries in relation to the Contract QUENSH Conditions selected on the menu are to be referred to the Client representative, see contact details/address on last page of the menu.

Contract menu

Requirements in QUENSH

Applicable requirements identified by Client				Applicable requirements identified by Supplier	
Section	Topic	Other documents / Comments	Y / N	Y / N	Reference to explanation - see Section 2a in attached Guidance Notes
4	Agreement of the applicable QUENSH contract conditions		Y		
5	Supplier's selection of sub-contractors		Y		
6	Identification of Safety Critical Activities		N		
7	Works Environmental Management		Y		
8	Emergency Plan		Y		
9	Method Statements		N		
10	Health, Safety and Environment File		N		
11	Pre-start LU health, safety and environment meeting		N		
12	Supplier's site induction		N		
13	Site Person in Charge				
14	Staff requirements				
14.1	Behaviours		Y		
14.1.1	Alcohol and drugs				
14.2	Control of hours worked				
14.2.1	Working Time Regulations		N		
14.2.2	Fatigue		N		
14.3	Knowledge				
14.3.1	English language		N		
14.3.2	Access Card and Worksite Briefing		N		
14.3.3	Visitors to sites		Y		
14.4	General competence				
14.4.1	Evidencing competence of safety critical staff		Y		
14.4.2	Identification of safety critical staff		Y		
14.4.3	Competent external safety critical personnel		N		

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Applicable requirements identified by Client			Applicable requirements identified by Supplier	
Section	Topic	Other documents / Comments	Y / N	Reference to explanation - see Section 2a in attached Guidance Notes
14.4.4	Training		Y	
14.4.5	Asset specific competence		N	
14.5	Medical requirements		N	
14.6	Identification of Suppliers staff		N	
14.7	Clothing		N	
15	Permits and licences			
15.1	LU specific permits and licences		N	
15.2	Permits, licences and certificates for Supplier's staff		N	
16	The Principles of Access			
16.1	Introduction		N	
16.2	Access to Stations		N	
16.3	Access to Track		N	
16.4	Access to depots		N	
17	Applying for Planned Access			
17.1	Introduction		N	
18	Applying for General Access		N	
18.1	Constraints that apply to Generic Access		N	
19	Access for fault repair		N	
20	Operational Assurance		N	
21	Closures and possessions			
21.1	Requirements for closures		N	
21.2	Requirements for possessions		N	
22	Controls at point of access			
22.1	Publication of works		N	
22.2	Checks at point of access		N	
22.3	Signing-on with the Station Supervisor		N	
22.4	Track specific requirements			
22.4.1	Person providing protection		N	

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Applicable requirements identified by Client				Applicable requirements identified by Supplier	
Section	Topic	Other documents / Comments	Y / N	Y / N	Reference to explanation - see Section 2a in attached Guidance Notes
22.4.2	Possessions		N		
23	Removal of supplier's personnel from LU Premises		N		
24	Incidents		N		
25	Notification of regulatory concern or action		N		
26	Confidential Incident Reporting and Analysis System (CIRAS)		N		
27	Monitoring				
27.1	LU inspections		Y		
27.2	Monitoring the supply chain		Y		
27.3	Health, safety and environmental surveillance by the supplier's personnel		N		
27.4	Work location inspection and audit		Y		
27.5	Timescales for rectifying non-compliances		Y		
28	Radio transmitters and transceivers		N		
29	Mobile phones		N		
30	Knives		N		
31	Site health, safety and environment committee		N		
32	Site housekeeping and security		N		
33	Accidental damage, obstruction or interference with assets		N		
34	Delivery of materials		Y		
35	Conveyance of loads				
35.1	Conveyance of loads on lifts and escalators		N		
35.2	Conveyance of hazardous materials and substances		N		
36	Asbestos (non asbestos removal projects)		N		
37	Working in or near lifts and escalators		N		
38	Work on or adjacent to utilities and High Voltage cables (buried services)		N		
39	Working on or about the track		N		
40	Access to electrical sub-stations, working equipment, relay and		N		

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Applicable requirements identified by Client		Applicable requirements identified by Supplier	
Section	Topic	Other documents / Comments	Y / N
	other secure rooms		
41	Entering areas with gaseous fire suppression systems		N
42	Fire prevention		
42.1	General requirements		N
42.2	Temporary fire points		N
42.3	Timber		N
42.4	Composites		N
42.5	Sheeting materials		N
42.6	Gas cylinders		
42.6.1	Use of gas cylinders in below ground locations		N
42.6.2	Storage of gas cylinders (above ground)		N
42.7	Flammable and highly flammable materials		
42.7.1	Use of flammable and highly flammable materials below ground		N
42.7.2	Storage of flammable and highly flammable materials below ground		N
43	Hot work and fire hazards		
43.1	Hot work		N
43.2	Reasonable notice of works		N
43.3	Precautions		
43.3.1	Buildings and assets		N
43.3.2	Gas cylinders		N
43.3.3	Gas detection		N
44	Storage		
44.1	General requirements for storage		N
44.2	Trackside storage		N
44.3	Hazardous materials and substances		N
44.4	Allocation of space on operational property		N
45	Plant and equipment		N
46	Clearance approvals		N

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Applicable requirements identified by Client		Applicable requirements identified by Supplier		
Section	Topic	Other documents / Comments	Y / N	Y / N
47	Access equipment		N	
48	Temporary works		N	
49	Temporary fences and hoardings		N	
50	Temporary lighting and power supplies			
50.1	General requirements		N	
50.2	Lighting in tunnels and shafts		N	
51	Screening of lights and positioning		N	
52	Environmental requirements			
52.1	General environmental requirements		N	
52.2	Environmental nuisance		N	
52.3	Water		N	
52.4	Waste management		N	
52.5	Noise and vibration		N	
52.6	Archaeology, historical interest and listed buildings		N	
52.7	Wildlife and Habitats		N	
52.8	Resource Use		N	
52.9	Pest control		N	
52.10	Land and water pollution prevention		N	
53	Quality requirements			
53.1	Records		Y	
53.2	Retention period		Y	
53.3	Availability of records for inspection		Y	
53.4	Statistical process control, audit and inspection procedures		Y	
53.5	General quality requirements		Y	
53.6	Quality Plan		Y	
53.7	Testing and inspection		Y	
53.8	Certification of conformity		Y	
53.9	Quarantine		Y	

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Applicable requirements identified by Client		Applicable requirements identified by Supplier		
Section	Topic	Other documents / Comments	Y / N	Y / N
53.10	Traceability		Y	Y
53.11	Maintenance and servicing		N	N
53.12	Design		N	N
53.13	Computer aided design		N	N
53.14	Asset commissioning and handover		N	N



Other requirements / comments

Quality plan require details of actual inspection and test regime to be applied to / for each Product range; and certification to be supplied with the Product item or Material.

Reference clause 53.2: In line with TfL Information Management requirement is 7 years unless stated otherwise.



* Agreed - Accepted.



Client/Supplier approval

Client Menu (Invitation to Tender)

Prepared by: [REDACTED] Signature: [REDACTED]

Approved by
(the Client's
representative): [REDACTED] Signature: [REDACTED]

Title: [REDACTED]

Address: Operations – London Underground |

Phone No: [REDACTED]

Email: [REDACTED]

Revision of this menu: _____

Supplier Menu (Tender)

Approved by
(the Supplier's): [REDACTED] Signature: [REDACTED]

Title: [REDACTED]

Address: ERIKS Waustrat Services

Phone No: [REDACTED]

Email: [REDACTED]

Revision of this menu: _____

Contract Menu (Final Approval of Menu)

Evidence shall be recorded of any amendments to the Client's menu which were agreed in establishing the Contract Menu.

Client's
representative
approval: [REDACTED] Signature: [REDACTED]

Supplier's
representative
acceptance: [REDACTED] Signature: [REDACTED]

Printed copies of this document are uncontrolled.

MAYOR OF LONDON

Page 12 of 12
Use in conjunction with S1552

Transport for London



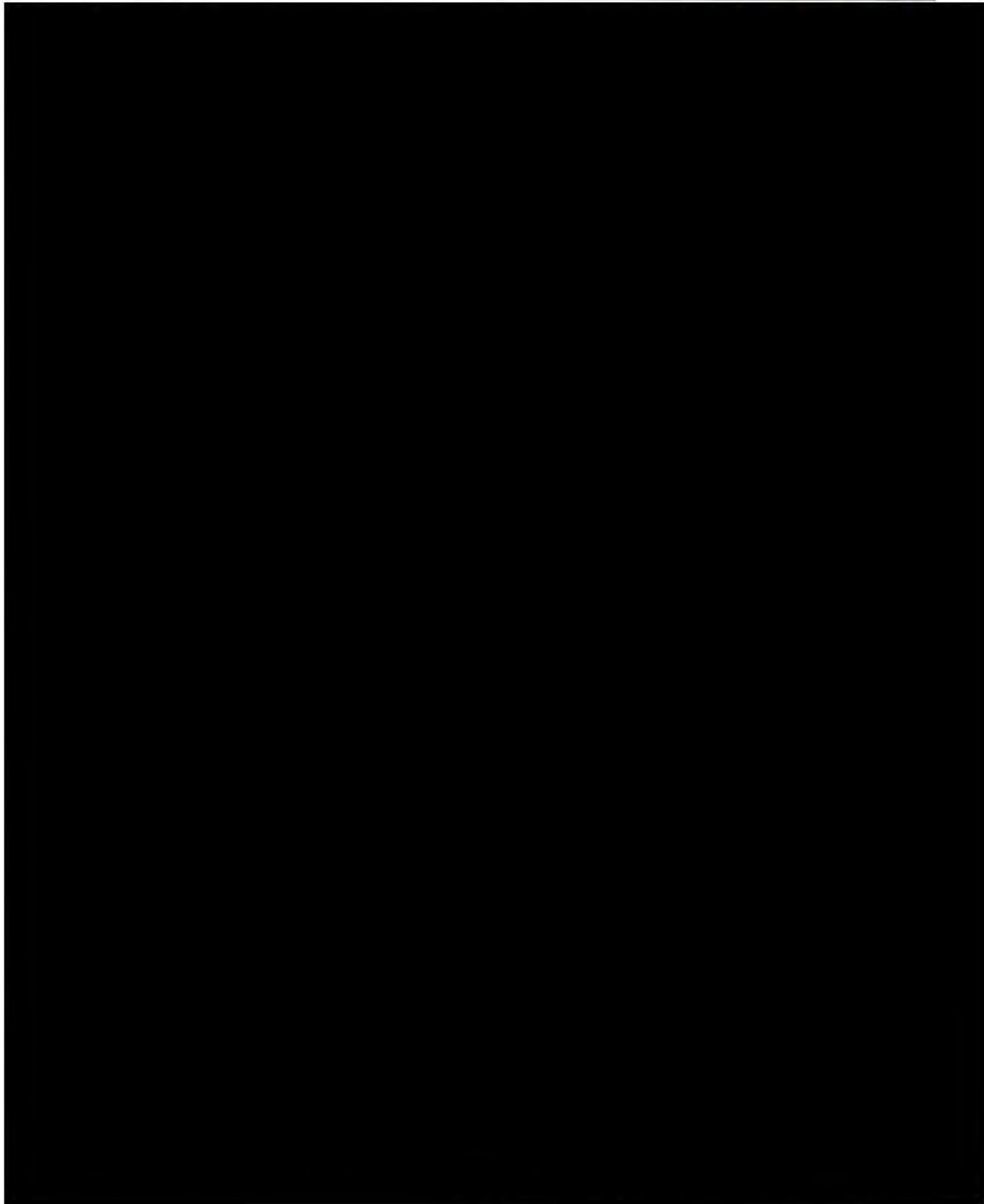
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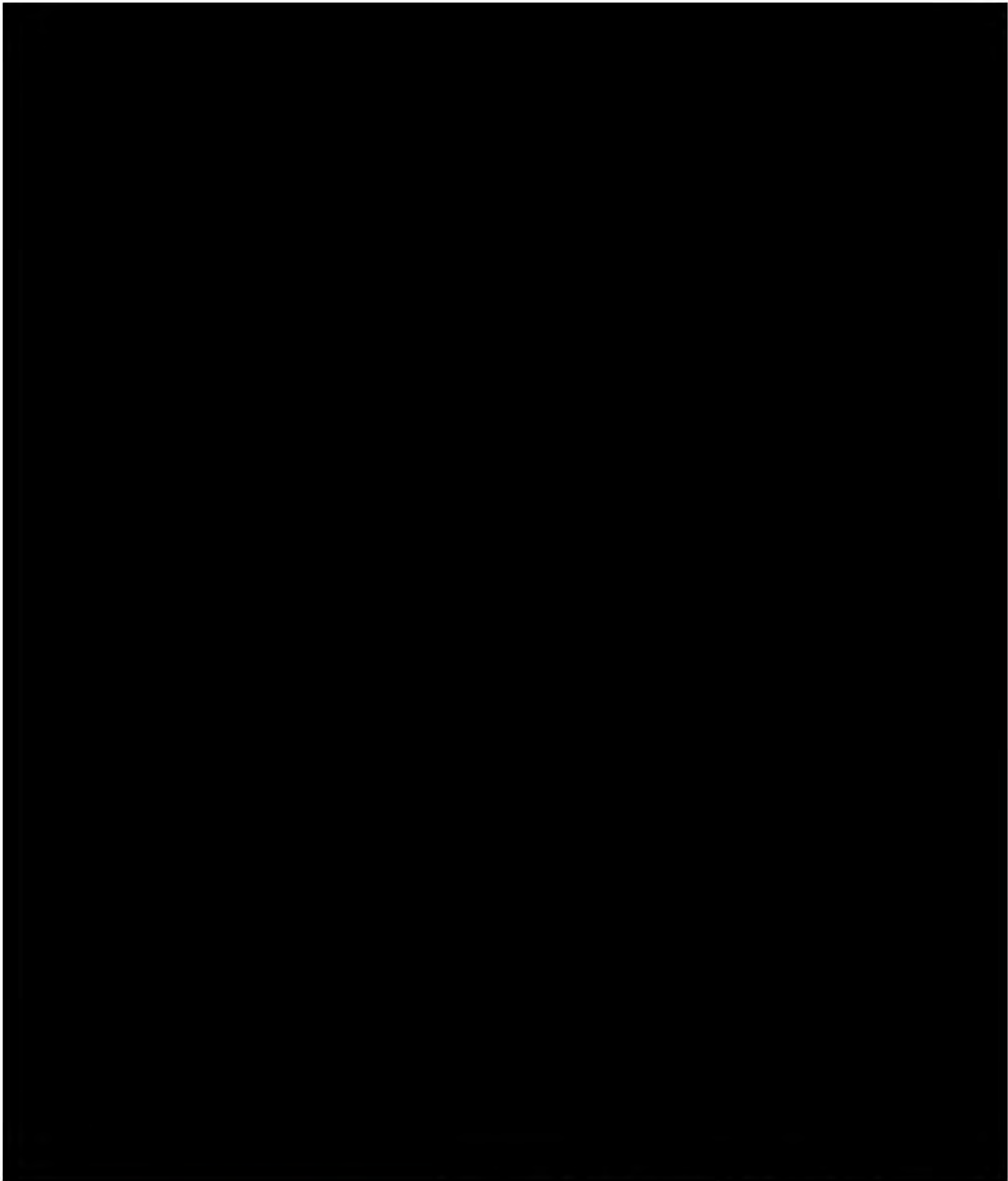
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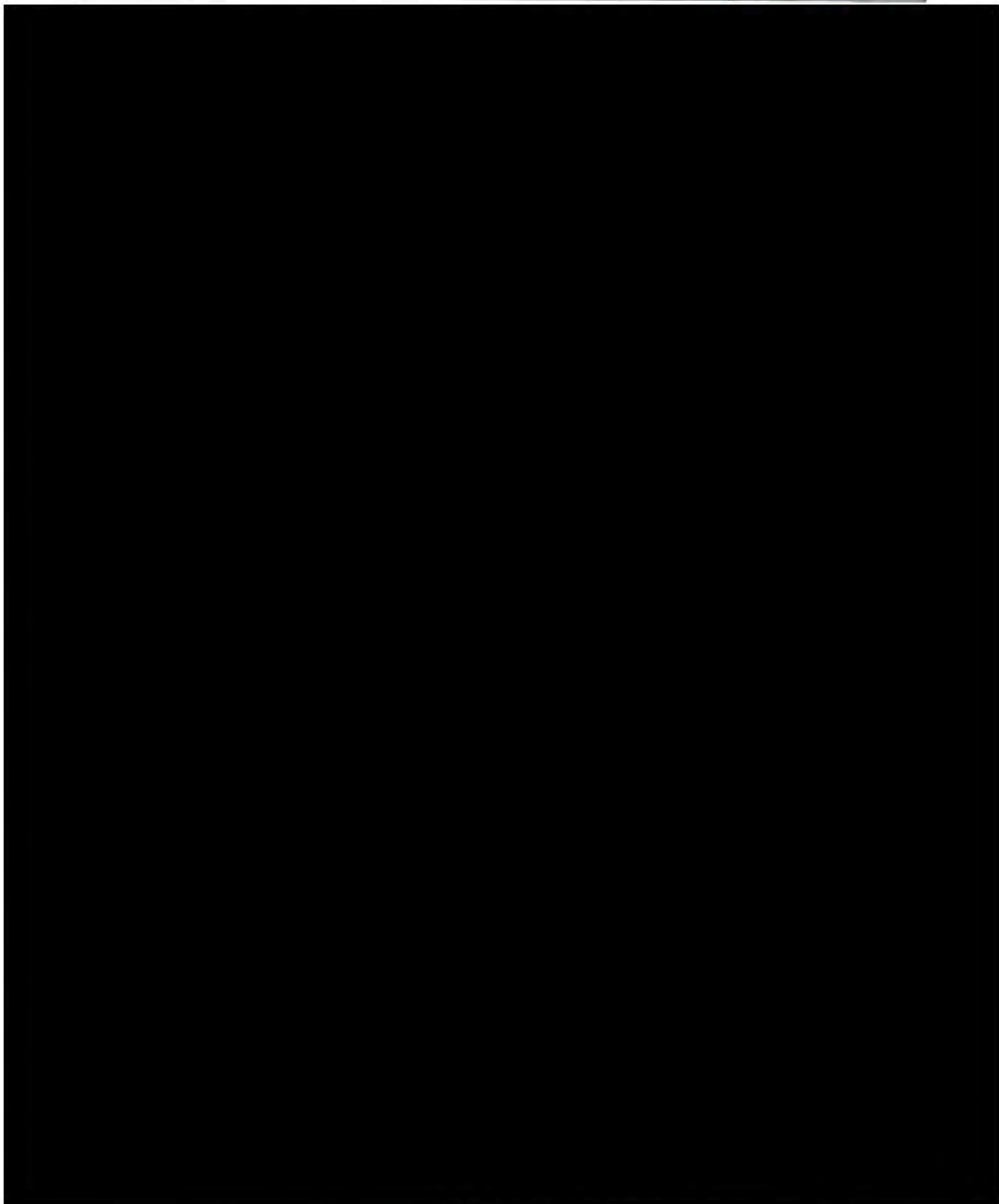
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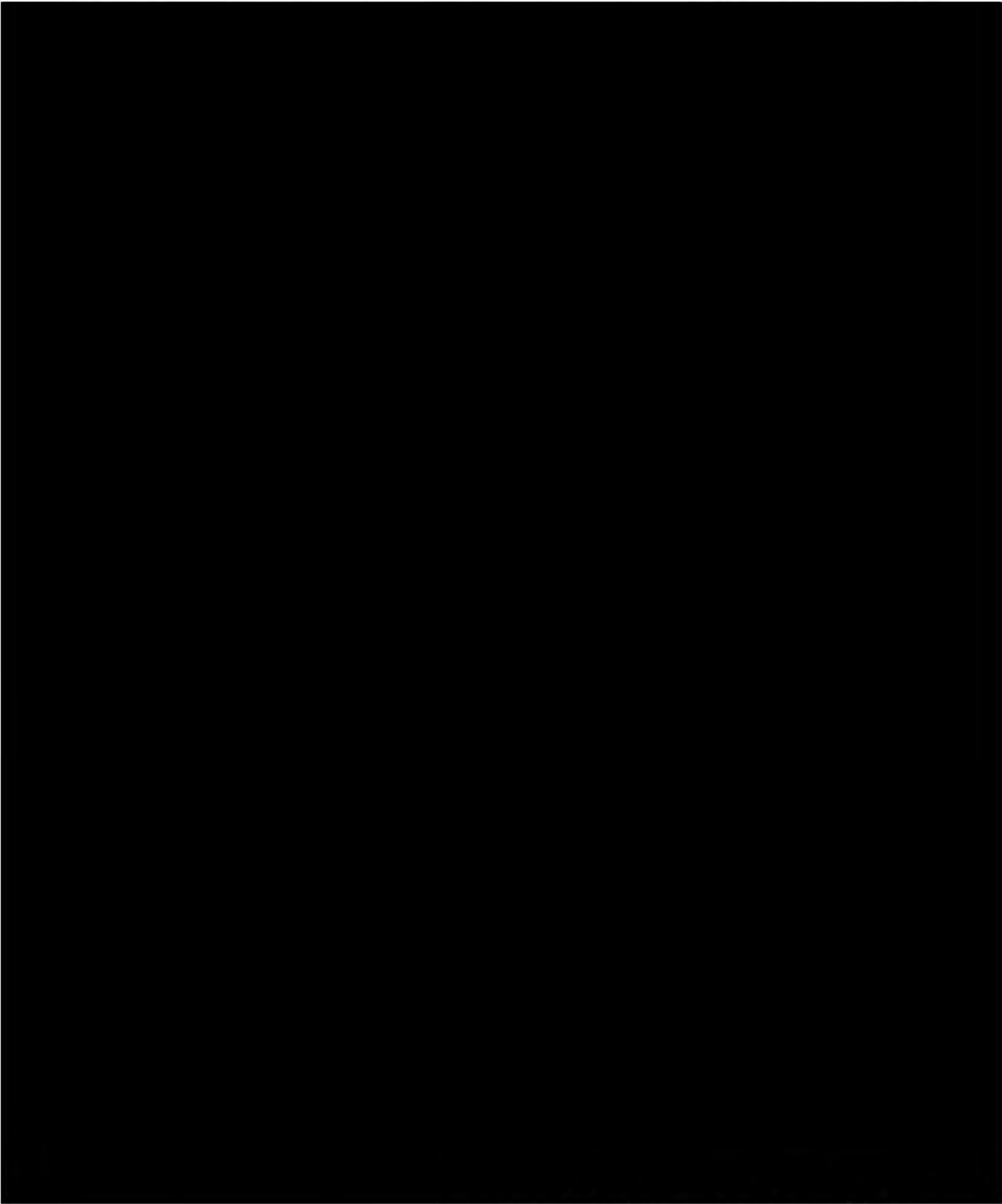
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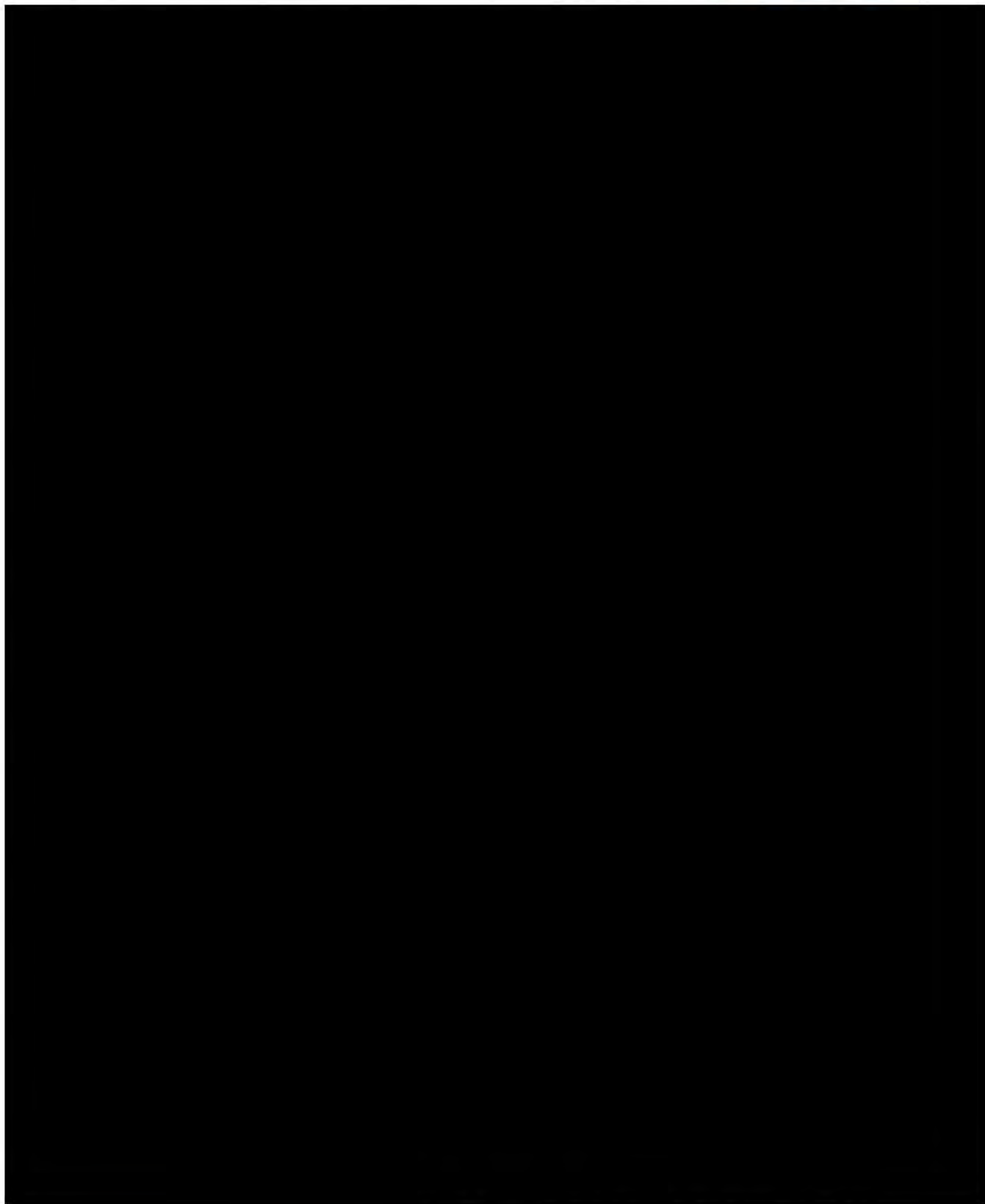
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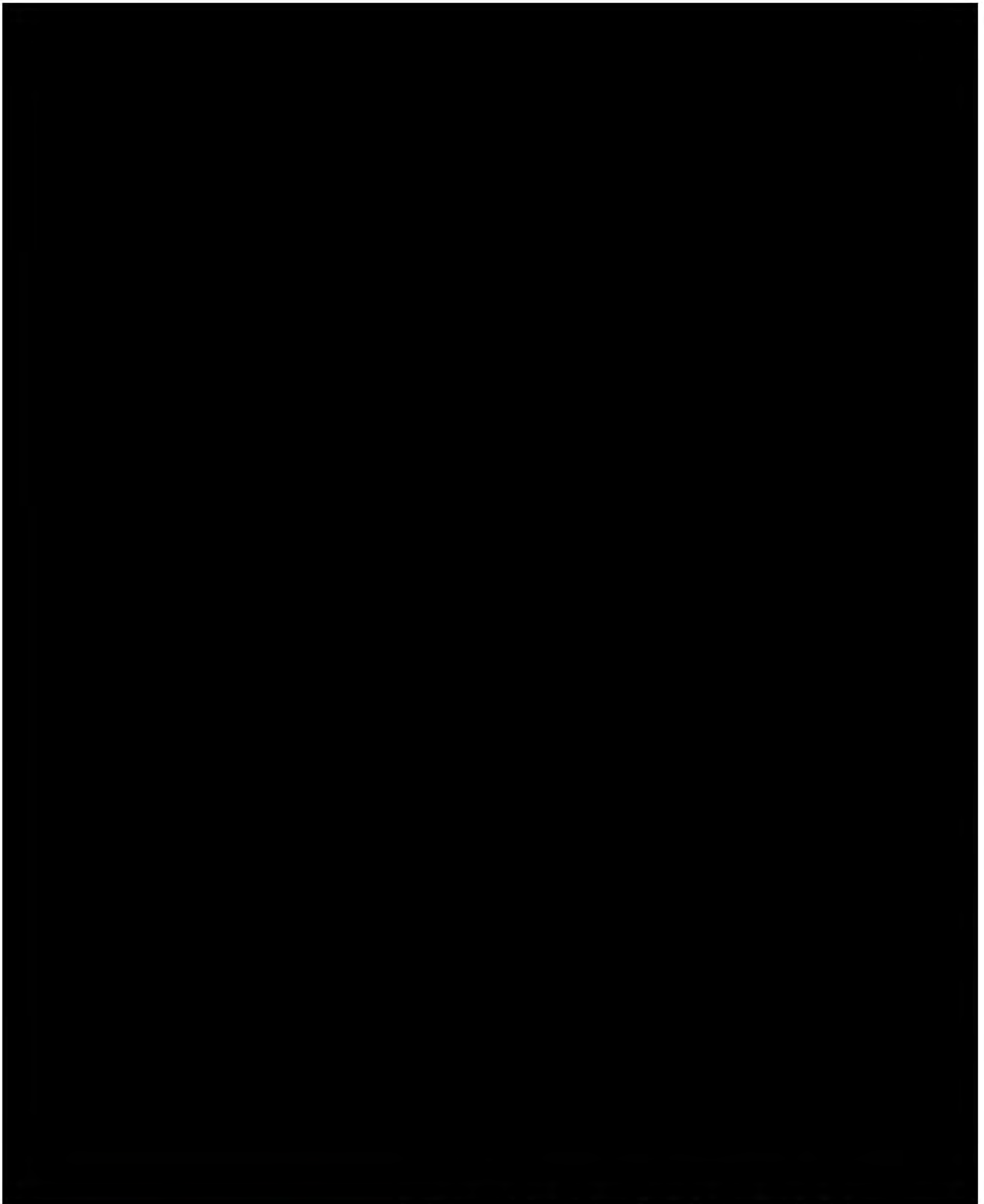


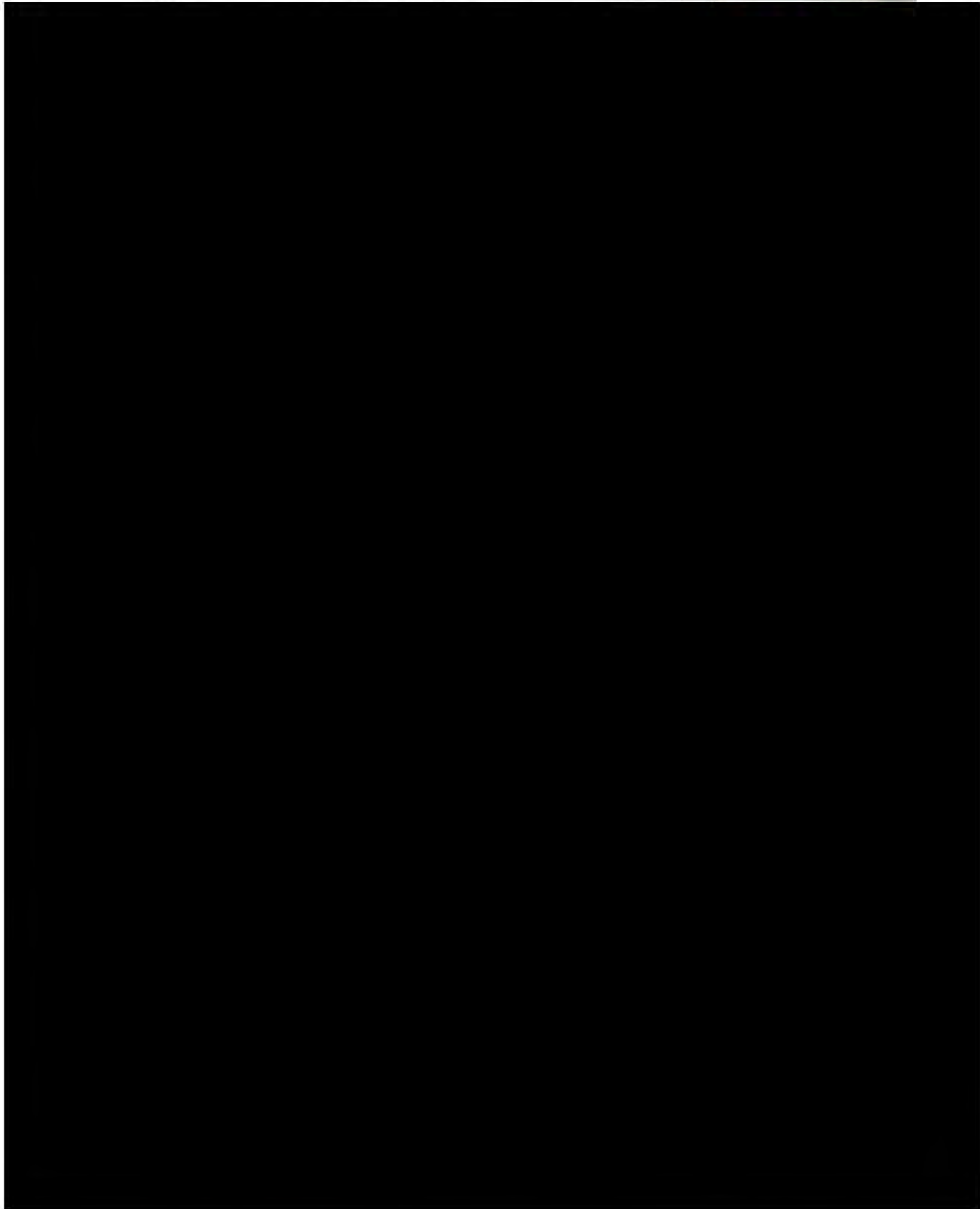


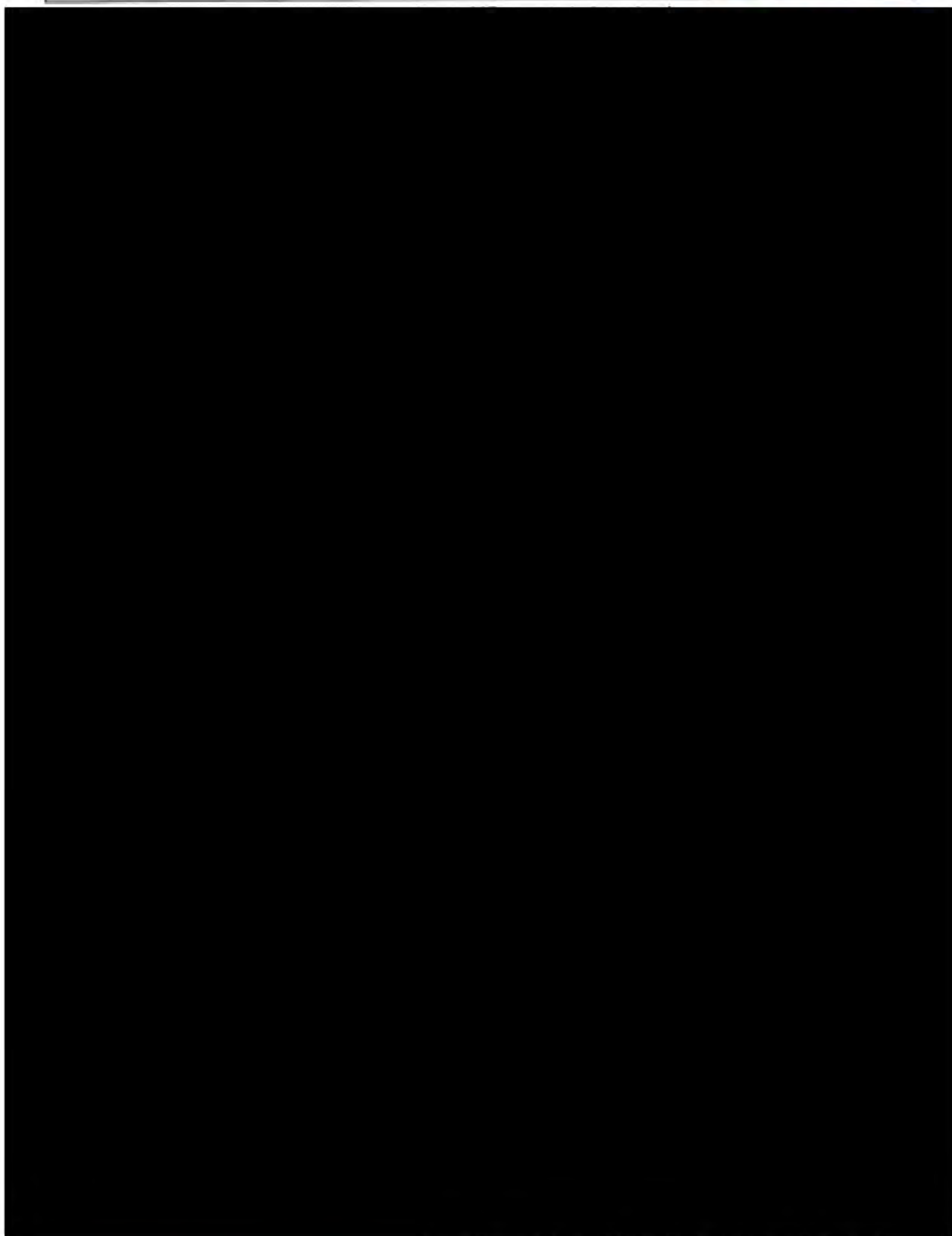


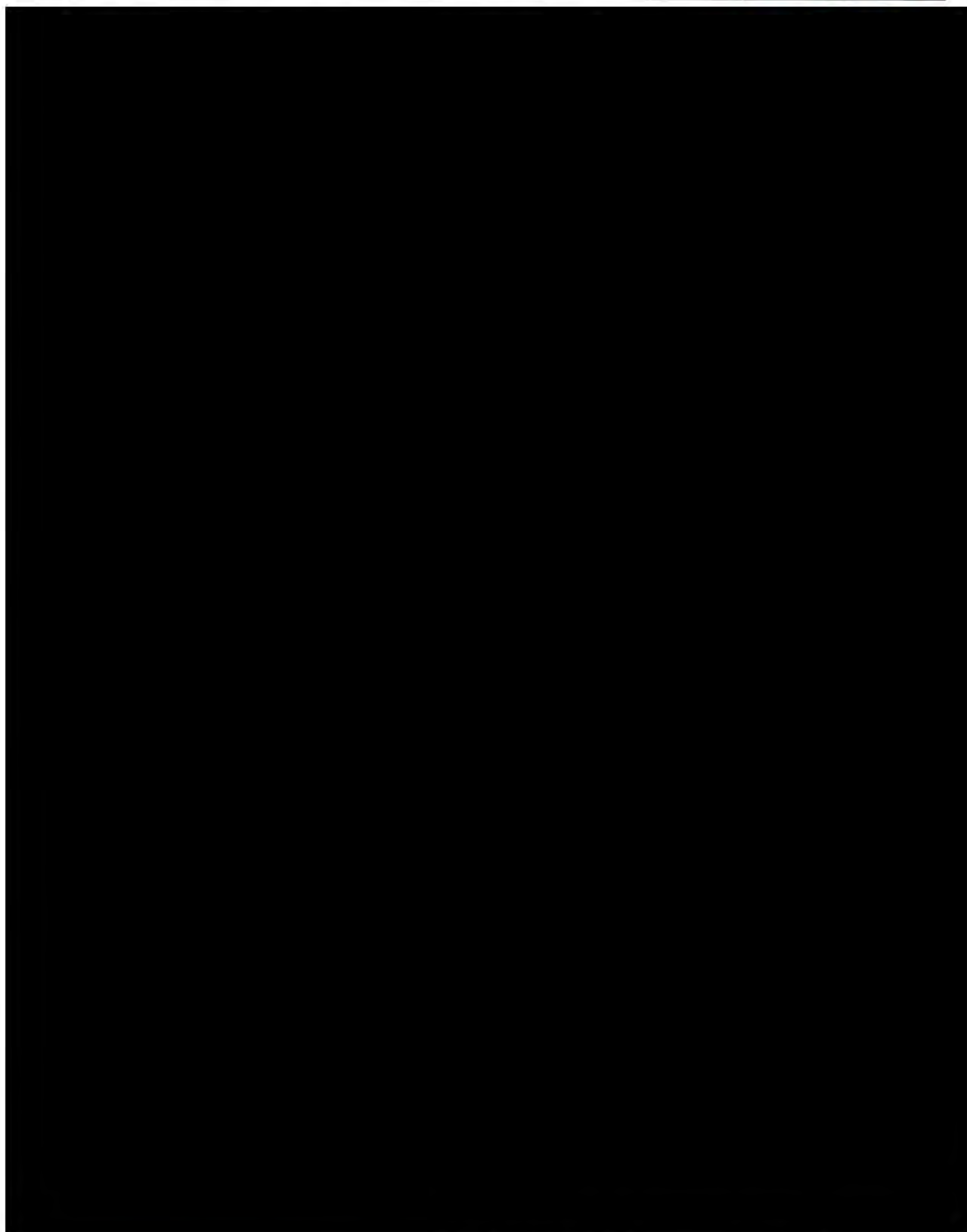


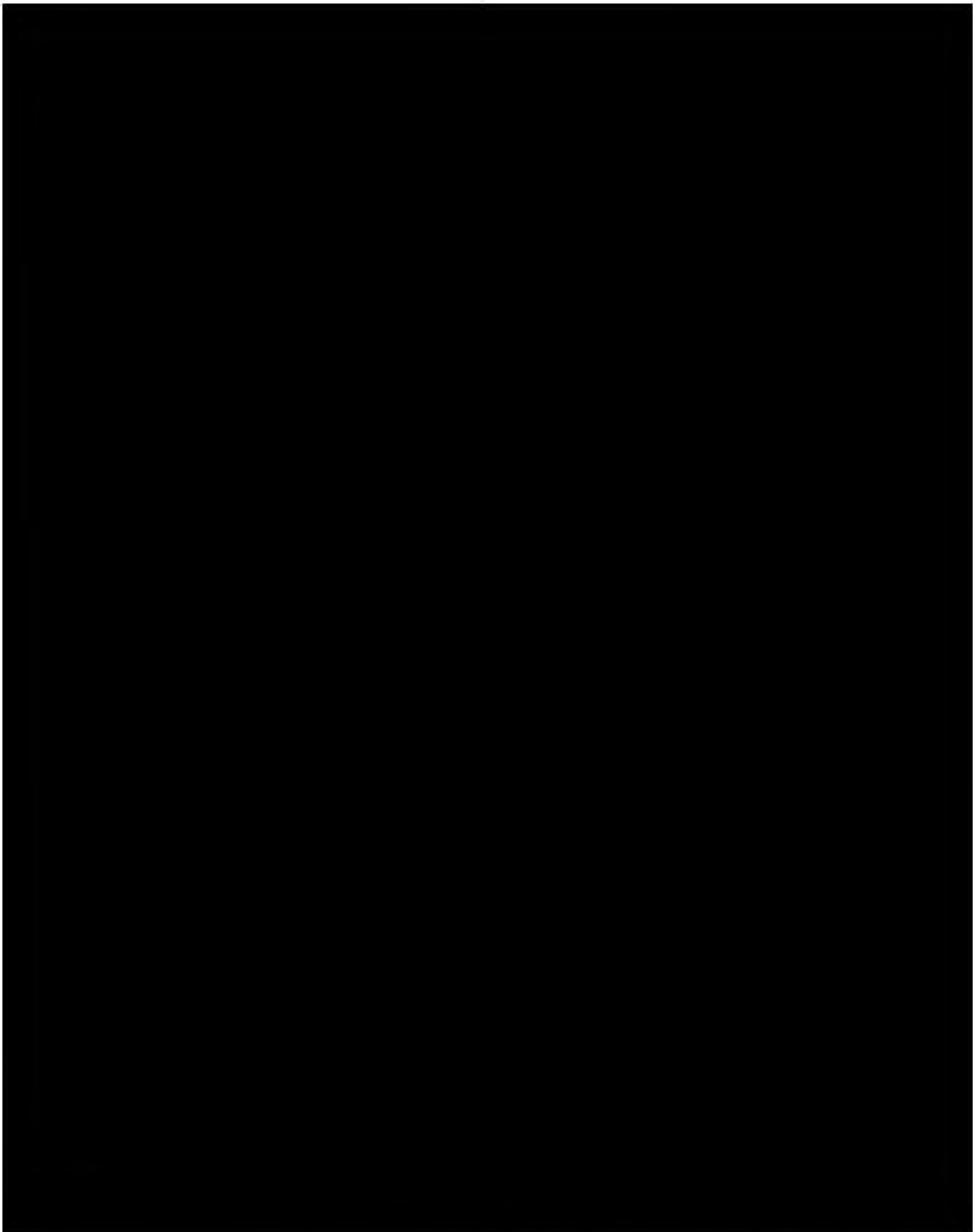




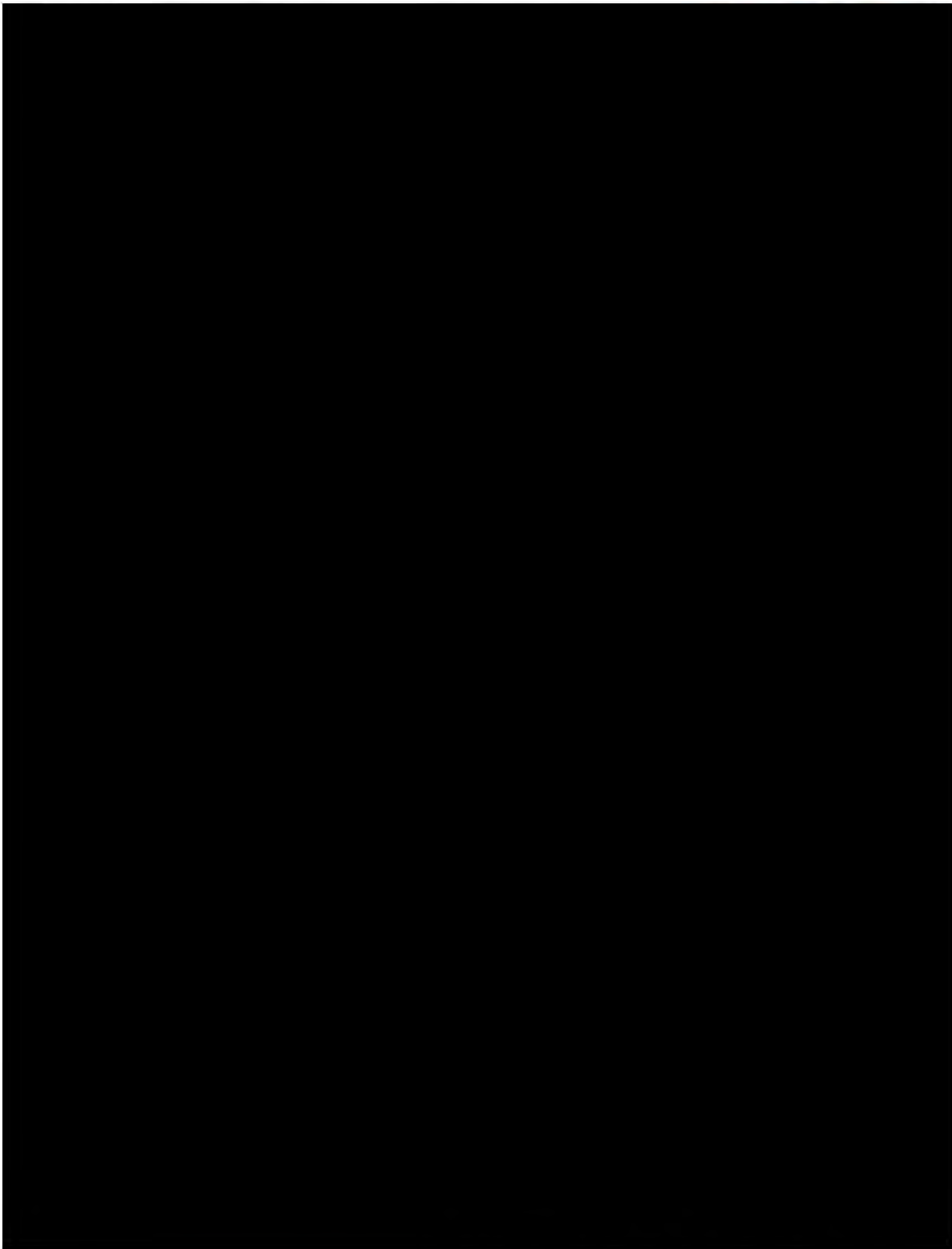


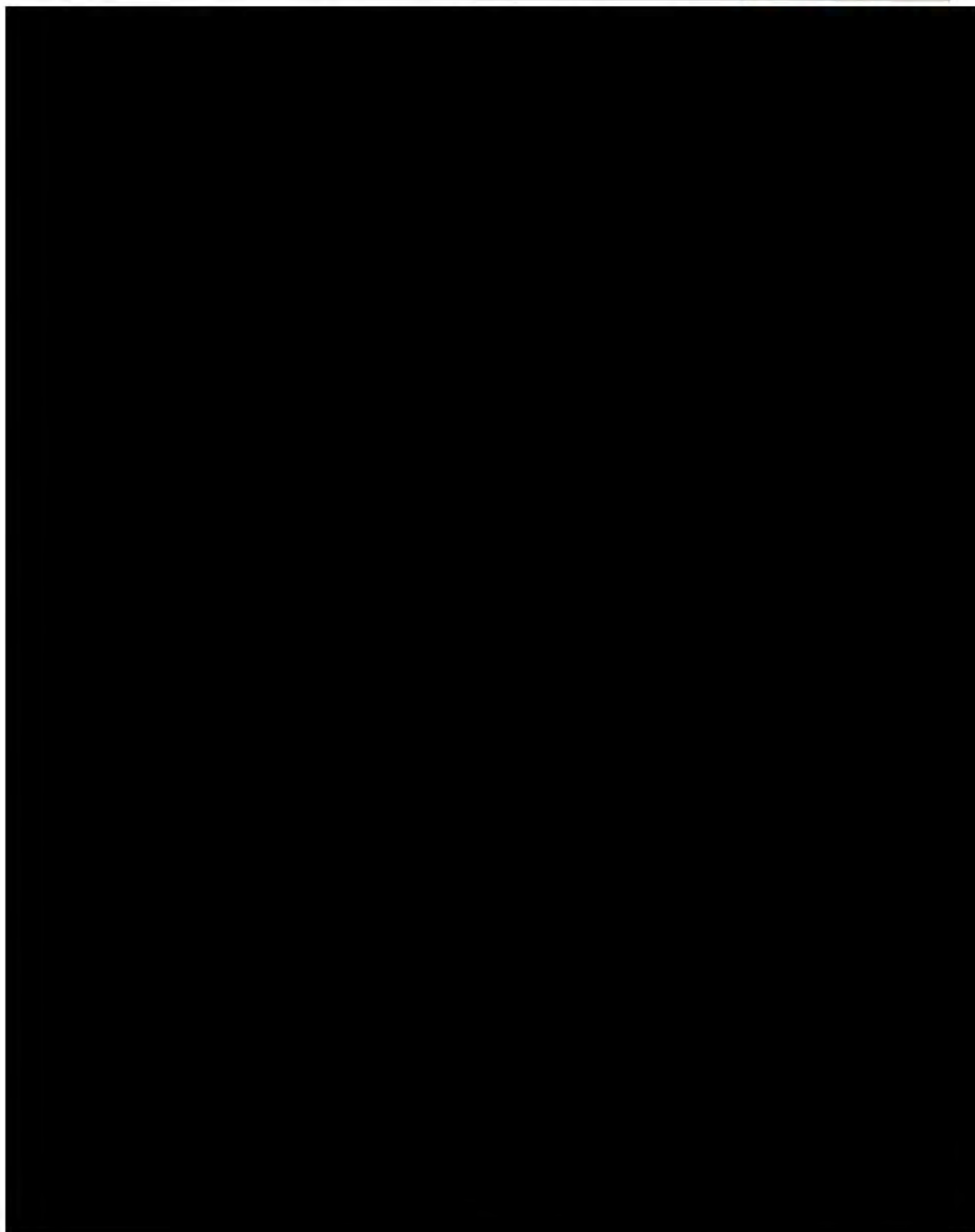


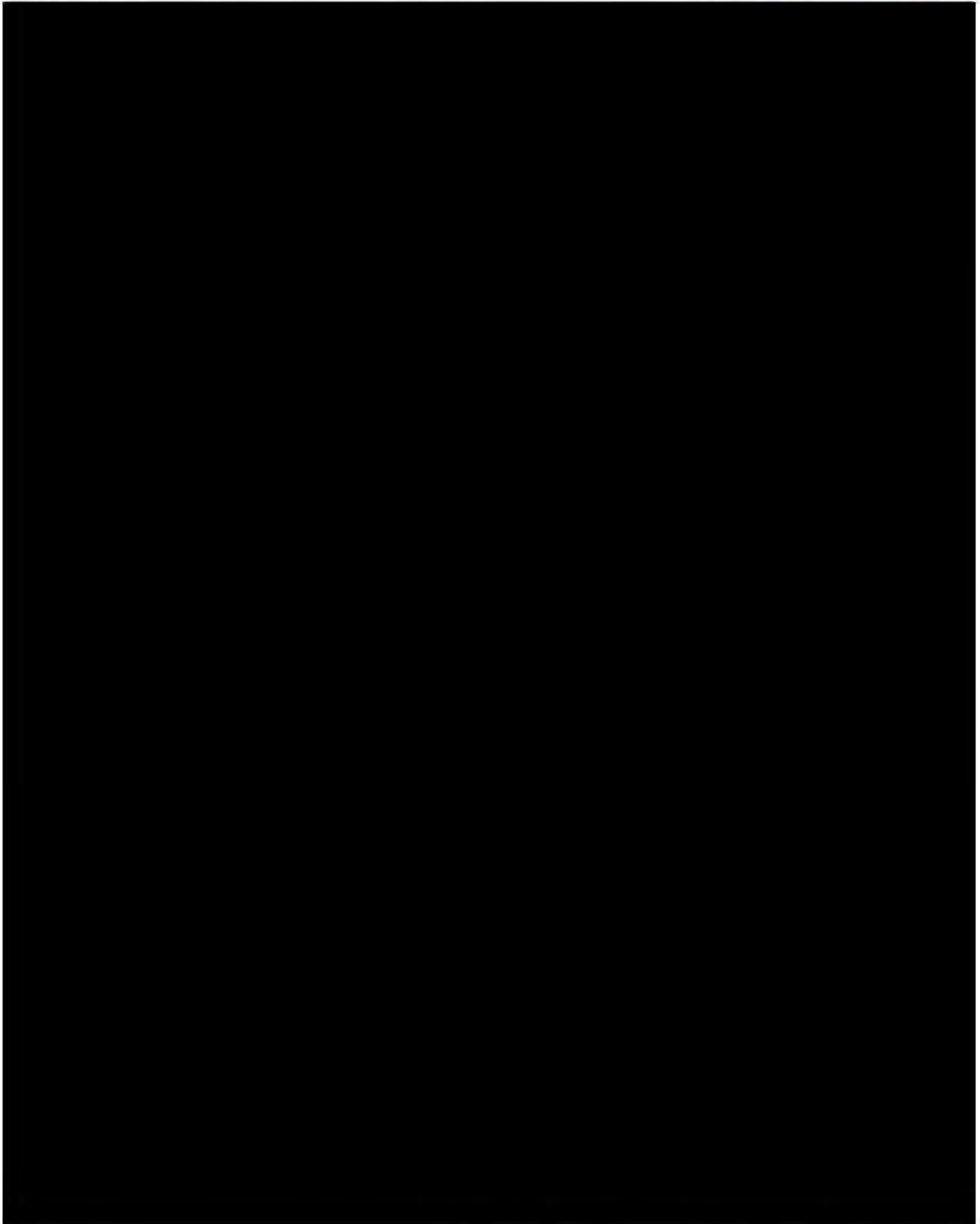




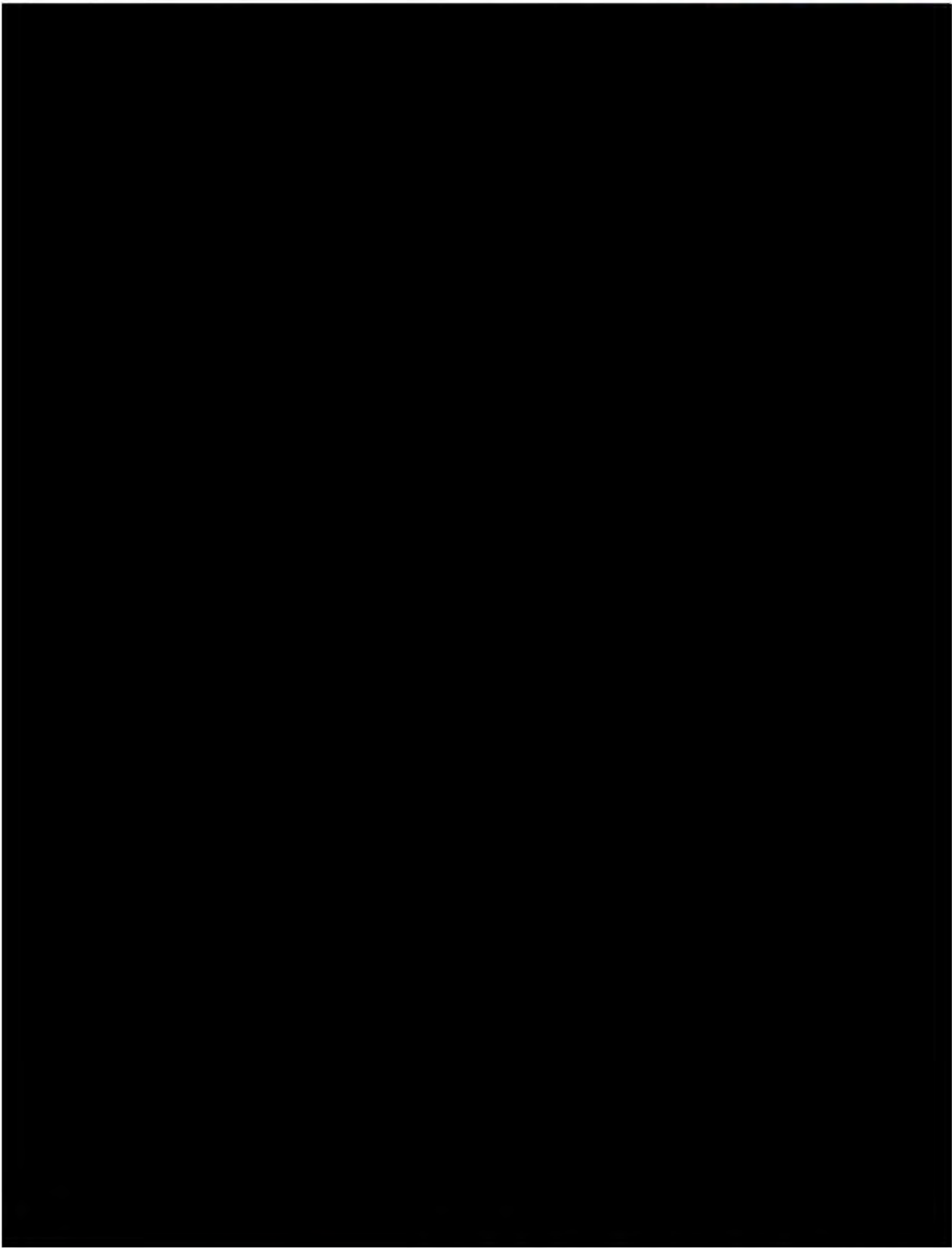


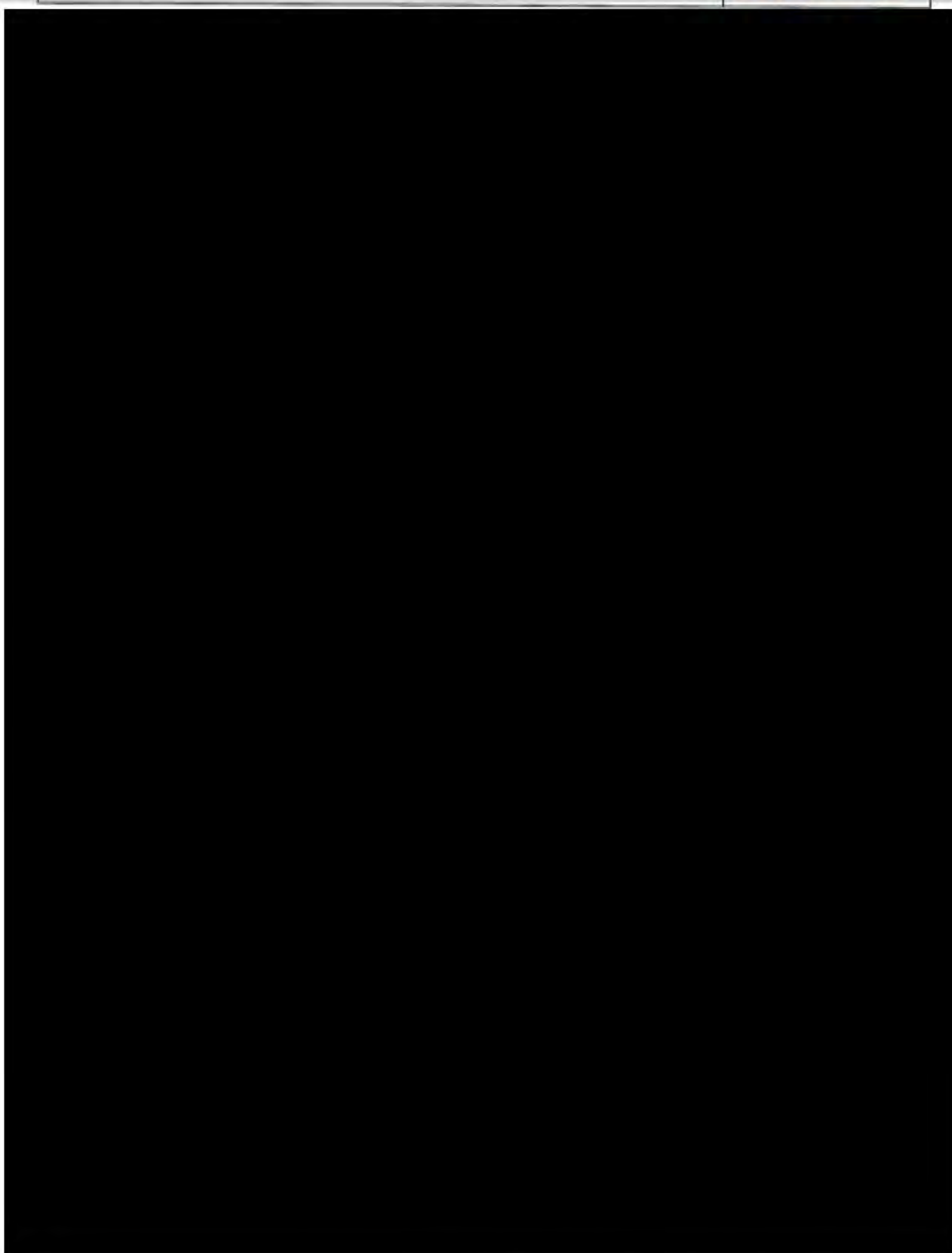


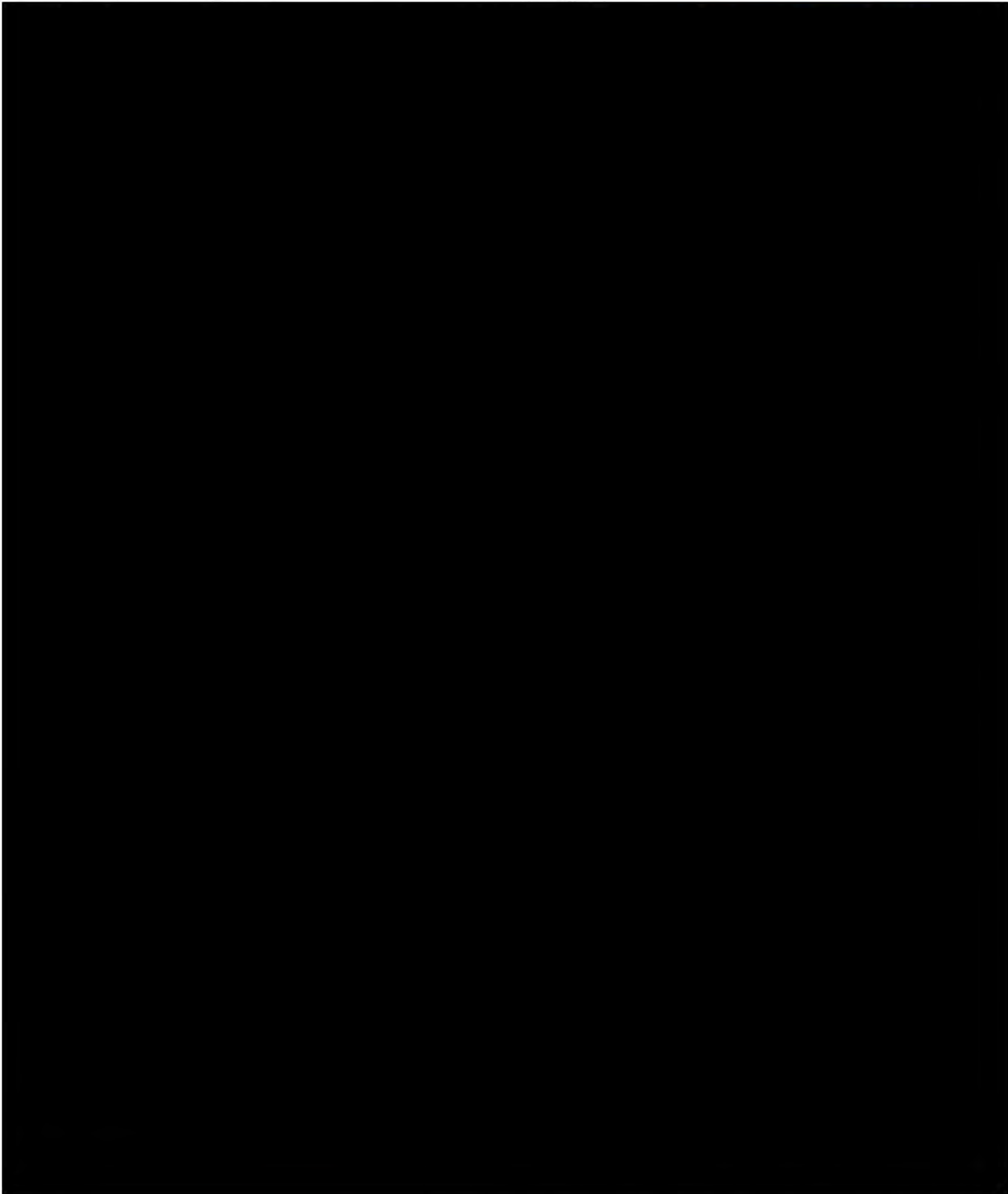












Schedule 7

Deed of Novation

THIS DEED is made day of 201[]

BETWEEN:

LONDON UNDERGROUND LIMITED a company registered in England and Wales under number 01900907 and having its registered office at 55 Broadway, London SW1H 0BD (the "**Company**"); and

[] a company registered in [England and Wales] under number [] and having its registered office at [] (the "Supplier"); and

[] a company registered in [England and Wales] under number [] and having its registered office at [] (the "New Company").

WHEREAS:

- (A) The Company has a framework agreement dated [] and referenced [insert contract number] with the Supplier pursuant to which contracts may be entered into for the provision of [describe in brief the scope of supply] (together the "Contract").
- (B) The Company wishes to transfer [part of] its benefit and burden under the Contract to the New Company.
- (C) The Supplier and the New Company have agreed to such transfer upon the terms and conditions of this Deed.

IT IS AGREED AS FOLLOWS:

1. In this Deed:
 - 1.1 "Transfer Date" means [].
2. With effect from the Transfer Date:
 - 2.1 the New Company undertakes to perform the obligations of the Company under the Contract and be bound by its terms in every way as if the New Company is and had been named at all times as a party to the Contract in lieu of the Company;
 - 2.2 the Supplier releases and discharges the Company from all demands and claims whatsoever in respect of the Contract and accepts the liability of the New Company in relation to the Contract in lieu of the liability of the Company and agrees to be bound by the terms of the Contract in

every way as if the New Company were and had been a party to the Contract at all times in lieu of the Company;

2.3 for the avoidance of doubt, it is hereby expressly agreed that:

2.3.1 any and all rights, claims, counter-claims, demands and other remedies of the Supplier against the Company accrued under or in connection with the Contract prior to the date hereof shall be exercisable and enforceable by the Supplier against the New Company; and

2.3.2 any and all rights, claims, counter-claims, demands and other remedies of the Company against the Supplier accrued under or in connection with the Contract prior to the date hereof shall be exercisable by the New Company against the Supplier.

2.4 the Company transfers its rights and obligations under the Contract to the New Company.

3. A person who is not a party to this Deed may not enforce any of its terms by virtue of the Contracts (Rights of Third Parties) Act 1999.

Executed as a deed by the parties and delivered on the date of this Deed

Executed as a deed by affixing the Common Seal of)

London Underground Limited)

in the presence of:-)

.....

[Authorised Signatory]

Executed as a Deed by [SUPPLIER])

acting by)

) Authorised Signatory

and

)

) Authorised Signatory

Executed as a Deed by [NEW COMPANY]

)

acting by

)

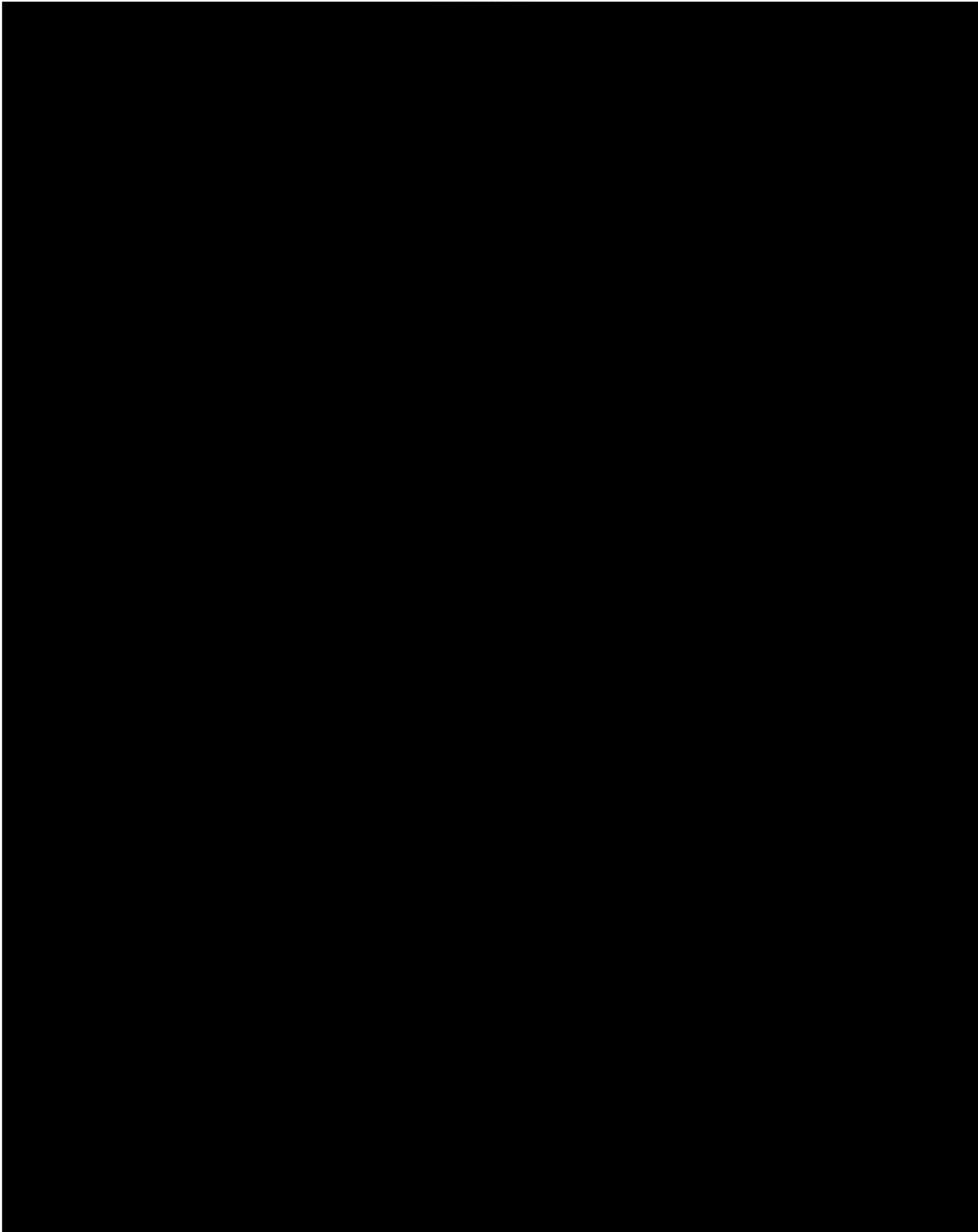
) Authorised Signatory

and

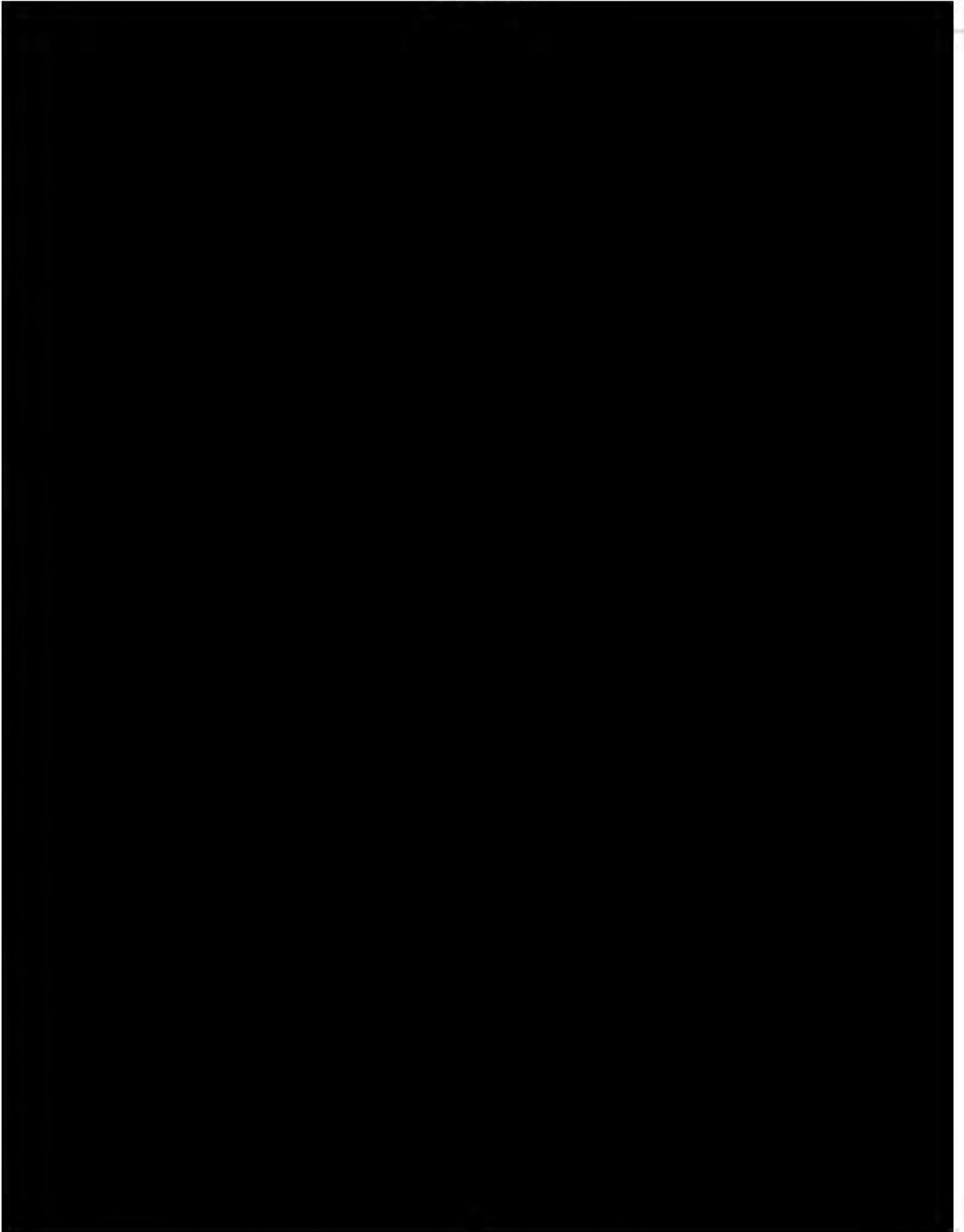
)

) Authorised Signatory

Schedule 8



Schedule 9



Schedule 10

Supplier Performance

1. SUPPLIER PERFORMANCE

1.1 KEY PERFORMANCE INDICATORS ("KPIs")

1.1.1 DELIVERY – The target is 100% on time delivery, to the agreed times included in the Specification or as otherwise agreed between the Parties. Failure to meet delivery times will attract the following abatements against the full order value of all parts due to be delivered in the measured period. This will be measured each Accounting Period.

Delivery Performance by Value	Abatement Attracted on Full Value of all orders
>= 99.00%	0%
97.00% - 98.99%	1%
95.00% - 96.99%	2%
90.00% - 94.99%	3%
80.00% - 89.99%	4%
<80.00%	5%

1.1.2 ADDITIONAL WORK – The Supplier will inform and seek prior approval and formal sign off from relevant LUL authorised engineering personnel before commencing with any additional repair as listed in the Specification.

1.2 SDI PERFORMANCE CRITERIA / SERVICE DELIVERY INDICATORS ("SDIs")

1.2.1 QUALITY – The Supplier will supply Goods with 0% defects. When defects are found the escalation process will begin in the following circumstances:

1.2.1.1 Non Safety Critical Parts

Defects found in 3 or more Accounting Periods over a rolling six Accounting Periods;

Defects found in over 2% of Goods supplied in an Accounting Period.

1.2.1.2 Safety Critical Parts

Any single defect

1.2.2 STOCK HOLDING – The Supplier shall maintain the value of agreed stock holding.

Where the stock holding is:

- below 100% for 4 or more Accounting Periods over a rolling six Accounting Periods;
- below 90% for 2 or 3 Accounting Periods over a rolling six Accounting Periods; or
- below 75% in any single Accounting Period

the escalation process shall begin.

2. ESCALATION PROCESS

In the event of unsatisfactory performance standards, including (but not limited to) failure to reach the targets set by the Service Delivery Indicators, failure to reach the targets set by the key performance indicators (in 1.1. above), faults open beyond the rectification time and any other deficiencies in performance, the escalation process shall be invoked by the Company in their absolute discretion.

The purpose of the escalation process is to provide a structured framework within which the Parties can address unsatisfactory performance standards against timescales and deliverable targets. For the purposes of this process notified levels of poor performance will be termed "Non-Conformances".

This procedure operates with four levels; the lowest level Non-Conformance being Level 1. Should Non-Conformances escalate they will receive an appropriate level of management intervention from the Company and the Supplier. Level 3 gives final review and opportunity for remedial actions to resolve issues before the Non-Conformance reaches Level 4, which will entitle the Company to terminate in accordance with Clause 21.1 of the Agreement.

In the event that a performance issue is not resolved between the Company and the Supplier then the Non-Conformance may be raised formally to a Level 1 or Level 2 Non-Conformance, depending upon the severity of the performance failure. It is possible for a number of Level 1 and/or Level 2 issues to be in hand at any one time.

Summary of Escalation Process

TRIGGER	LEVEL	ACTION	BY	RESULT
Failure to rectify identified non- conformance issued as part of KPIs and/ or SDIs	LEVEL 1	Improvement plan with precise end date required. On going review dates specified.	Supplier	Satisfactory - Stop Unsatisfactory - Level 2
Level 1 re-occurrence Consistent failure to meet required requirement Safety Condition infringements.	LEVEL 2	Improvement plan with precise end date required. Ongoing review dates specified.	Supplier	Satisfactory - Stop Unsatisfactory - Level 3
Level 2 re-occurrence	LEVEL 3	Final review. Final opportunity for remedial action. Precise end date required.	Supplier	Satisfactory - Stop Unsatisfactory - Level 4
Level 3 re-occurrence	LEVEL 4	POSSIBLE TERMINATION		

Issues shall be resolved locally on a day-to-day basis to the mutual satisfaction of all Parties and shall not be raised to Level 1 without prior endeavours to resolve. At this stage of the process, the Supplier may be required to supply a root cause analysis and a recovery plan for the Company's approval.

Level 1

The Level 1 Non-Conformance will be recorded by the Company and a notice submitted to the Supplier. The Supplier shall in response (such response to be within 10 Working Days of service of the notice by the Company) prepare and submit to the Company, a Level 1 Non-Conformance Report. Such report will contain:

- Confirmation of the date and details of the Level 1 Non-Conformance
- The steps to be taken by the Supplier to ensure there is no repetition of such Level 1 Non-Conformance (the "Level 1 Required Action")

- The time within which such Level 1 Required Action is to be completed (which shall be a reasonable period and no longer than the "**Level 1 Rectification Period**").

The Supplier and the Company will use all reasonable endeavours to agree the Level 1 Rectification Period and the Level 1 Required Action. If the agreed Level 1 Required Action is carried out within the agreed Level 1 Rectification Period then the Non-Conformance will be classed as closed.

Level 2

If the Company determines, that a Non-Conformance should be treated as a Level 2 Non-Conformance; or the Supplier fails to provide the Company with a Level 1 Non-Conformance Report within 10 Working Days; or the Supplier fails to rectify the Level 1 Non-Conformance within the Level 1 Rectification Period, then this shall be a "**Level 2 Non-Conformance**" and the Company will submit a notice to the Supplier.

The Supplier shall in response (such response to be within 10 Working Days of service of the notice by the Company) prepare and submit to the Company a Level 1 Non-Conformance Report. Such report will contain:

- The date and details of the Level 2 Non-Conformance.
- The Level 2 Required Action.
- The Level 2 Rectification Period.

The Supplier and the Company will use all reasonable endeavours to agree the Level 2 Rectification Period and the Level 2 Required Action.

If the Level 2 Required Action is taken within the agreed Level 2 Rectification Period then the Non-Conformance will be considered resolved. However, a record of the Non-Conformance will be made and Level 2 trends monitored.

Level 3

If The Company determines, that a Non-Conformance should be treated as a Level 3 Non-Conformance; or the Supplier fails to provide the Company with a Level 2 Non-Conformance Report within 10 Business Days; or the Supplier fails to rectify the Level 2 Non-Conformance within the Level 2 Rectification Period, then this shall be a "**Level 3 Non-Conformance**" and the Company will submit a notice to the Supplier.

The Supplier will provide the Company a report (a "**Level 3 Non-Conformance Report**"), setting out the steps which the Supplier has taken, or will take, to ensure that no further Non-Conformances of this type shall arise (the "**Level 3 Required Action**") ; and the period (being no greater than 2 months from the time of occurrence of the Level 3 Non-Conformance for the supplier to put in place steps to ensure that no further Non-Conformances of the same type occur (the "**Level 3 Rectification Period**").

Level 4

The Supplier fails to provide the Company by the agreed deadline, a Level 3 Non-Conformance Report; or the Supplier fails to undertake the Level 3 Required Action within the Level 3 Rectification Period; or the Supplier fails to rectify the Level 3 Non-Conformance within the Level 3 Rectification Period.

Definitions

In this Schedule 10 (unless the context otherwise requires):

"Accounting Period" means the Company's accounting periods as notified from time to time by the Company to the Supplier each such period being of between 25 and 32 days and one of 13 periods during the Company's financial year;

Schedule 11

DVS Schedule

Heavy Goods Vehicle Direct Vision Standard Schedule

1 Introduction

In this Schedule, the following terms shall have the corresponding meanings:

"Agreed DVS Plan" means the Initial DVS Plan as updated and approved in accordance with the terms of this Schedule;

"Initial DVS Plan" means the initial plan set out at Appendix 1 which sets out and proposes how the Supplier shall ensure that:

- (a) from and including 26 October 2019, all Category N3 HGVs used in the provision of the delivery of the contract achieve a minimum of a one (1) star Direct Vision Standard rating; and
- (b) from and including 26 October 2023 all Category N3 HGVs used in the provision of the Goods and Services achieve a minimum of three (3) star Direct Vision Standard rating.

2 DVS Plan

2.1 The Supplier shall comply with the Initial DVS Plan from the Commencement Date. Within fifteen (15) Business Days of the Commencement Date the Company shall either:

2.1.1 confirm that the Initial DVS Plan is approved, in which case such plan shall become the Agreed DVS Plan; or

2.1.2 provide the Supplier with any comments on and/or amendments to the Initial DVS Plan.

2.2 Within thirty (30) Working Days (for the purpose of paragraph 2.1.2) or 15 Working Days (for the purpose of paragraph 2.3.2) of receipt of any comments and/or amendments from the

Company in accordance with paragraph 2.1.2 or paragraph 2.3.2 (as applicable), the Supplier shall:

2.2.1 develop the Initial DVS Plan to reflect such comments and/or amendments; and

2.2.2 submit an updated Initial DVS Plan to the Company for approval.

2.3 Within fifteen (15) Business Days of receipt of the updated Initial DVS Plan, the Company shall confirm that either the updated Initial DVS Plan:

2.3.1 is approved, in which case it shall become the Agreed DVS Plan; or

2.3.2 not approved and provide its further comments and/or amendments to the Supplier and the Supplier shall revise and re-submit the updated Initial DVS Plan for approval in accordance with paragraph 2.2.

The process set out in this paragraph 2.3 shall be repeated until the updated Initial DVS Plan is approved by the Company.

2.4 Where the Company, acting reasonably, has not approved the updated Initial DVS Plan, the Supplier may refer that decision to the dispute resolution process set out in the Agreement.

2.5 Without limiting any other provision of this Agreement, the Supplier shall, at no additional cost to the Company, and as part of the Goods and Services:

2.5.1 implement, observe and comply with the Agreed DVS Plan; and

2.5.2 review and amend the Agreed DVS Plan (as necessary) on each 12 month anniversary of the Commencement Date or earlier if requested by the Company, to reflect:

2.5.2.1 any changes to the nature of the Goods and Services; and

2.5.2.2 any comments and/or amendments made or proposed by the Company.

3 DVS Co-ordinator

3.1 The Supplier shall nominate an employee with the necessary experience, competency and authority to:

3.1.1 be responsible for implementation and compliance with the Agreed DVS Plan; and

3.1.2 act as the Supplier's authorised representative on all matters concerning the Agreed DVS Plan ("DVS Co-ordinator").

4 Self Certification and Reporting

On each 12 month anniversary of the Commencement Date, the Supplier shall submit a report to the Company which sets out the Supplier's progress in respect of implementation of the Agreed DVS Plan and confirms (with supporting evidence) that the Supplier has complied with the Agreed DVS Plan.

APPENDIX 1 TO SCHEDULE 11

Appendix 15 – Initial HGV DVS Plan Template

HGV DVS Plan Template

Note to bidders

The HGV DVS Plan Template aims to provide a consistent approach for how Bidders plan to meet their HGV DVS commitments to deliver the Services through the WRRR requirements

Contact details

Supplier	ERIKS Industrial Services		
Contract name	Rotating Machines and the performance of related services – Traction Motors	Contract ref	TFI-000789
HGV DVS Coordinator		Name	
Job title		Email	
Phone number		Mobile number	

Contract overview

Please provide an overview of the HGV delivery and servicing requirements of the contract to which the HGV DVS requirements are applicable and have been applied (max 250 words)

HGV DVS Planned Outputs

Please complete the following tables outlining the planned outputs to meet your HGV DVS commitments to deliver the Services.

Fleet details	Metric	Baseline	Year 1	Year 2	Year 3	Year 4	Year 5
Does Service Provider operate 'own account' Lorries to deliver the services?	Y/N						
How many own account N3 Category Lorries does the Service Provider operate to deliver the services?	Quantity						
How many sub-contract fleet operators does the Service Provider employ to deliver the services?	Quantity						
How many sub-contract N3 Category Lorries does the Service Provider operate to deliver the services?	Quantity						
What is the total number of N3 Category Lorries employed to deliver the services?	*Check						

HGV DVS Rating	Priority	Baseline	Year 1	Year 2	Year 3	Year 4	Year 5
What is the total number of zero-star rated N3 Category Lorries employed to deliver the services?	High						
What is the total number of one star rated N3 Category Lorries employed to deliver the services?	Medium						
What is the total number of two-star rated N3 Category Lorries employed to deliver the services?	Medium						
What is the total number of three-star rated N3 Category Lorries employed to deliver the services?	Low						
What is the total number of four-star rated N3 Category Lorries employed to deliver the services?	Low						

What is the total number of five-star rated N3 Category Lorries employed to deliver the services?	Low	
What is the total number of N3 Category Lorries employed to deliver the services?	*Check	

HGV DVS method statement

Please provide details of the activities you will undertake to achieve the HGV DVS Planned Outputs. This should include any information and assumptions made to inform the HGV DVS Plan and any engagement with Sub-Contractors, vehicle suppliers and Off-road Site operators that are relevant to the outputs you have indicated in your HGV DVS Plan.

Please provide an overview of how Service Provider own account vehicle fleet used to deliver the Services will meet the outputs of the HGV DVS Plan (Max 250 words)

Please provide an overview of the engagement activities with Sub-Contractors that are required to deliver the Services, will meet the outputs of the HGV DVS Plan (max 250 words)

Please provide an overview of any Service Provider owned or operated Off-road Sites engagement activities with Off-Road Site operators used to deliver the Services will meet the

outputs of the HGV DVS Plan (Max 250 words)

Please provide details of the Off-Road Sites that are required to deliver the Services.

Site name	Site operator	Site location	Site type	Ground rating
[REDACTED]				

EXECUTION PAGE:

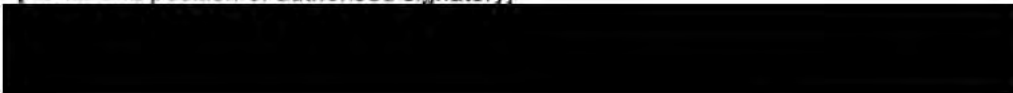
This Agreement has been signed by for and on behalf of the parties on the day and year written above.

Signed by



for and on behalf of **London Underground Limited**

[Name and position of authorised signatory]



Signed by



for and on behalf of **ERIKS Industrial Services Ltd**

[Name and position of authorised signatory]



