

Attachment 2

Capital Cost Estimate

Hatch Ltd.

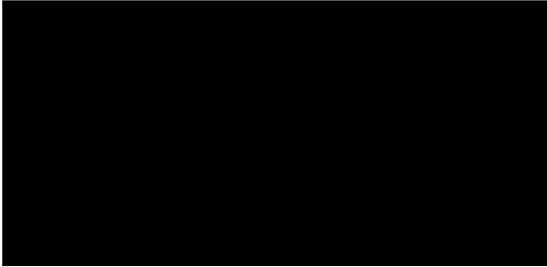


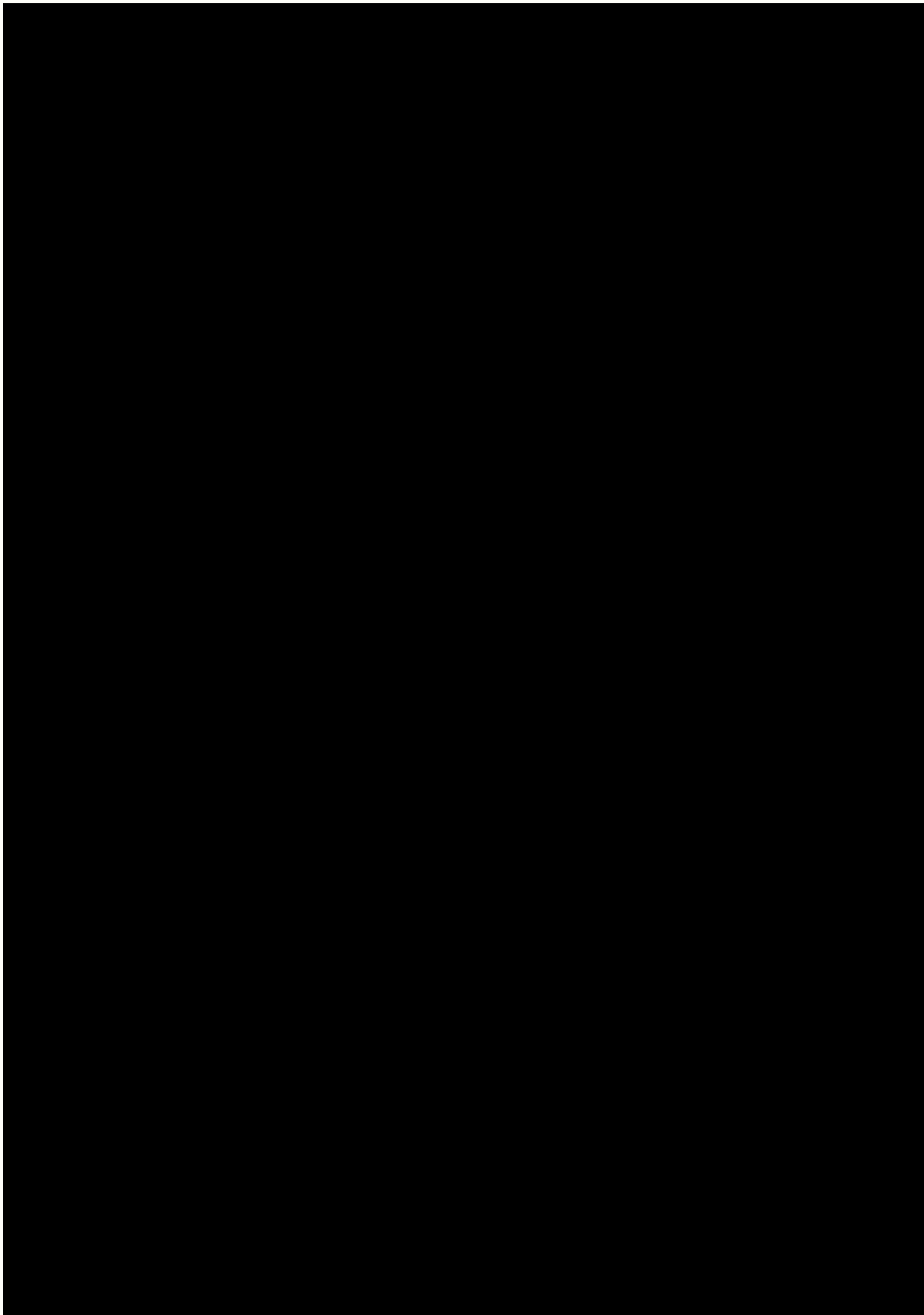


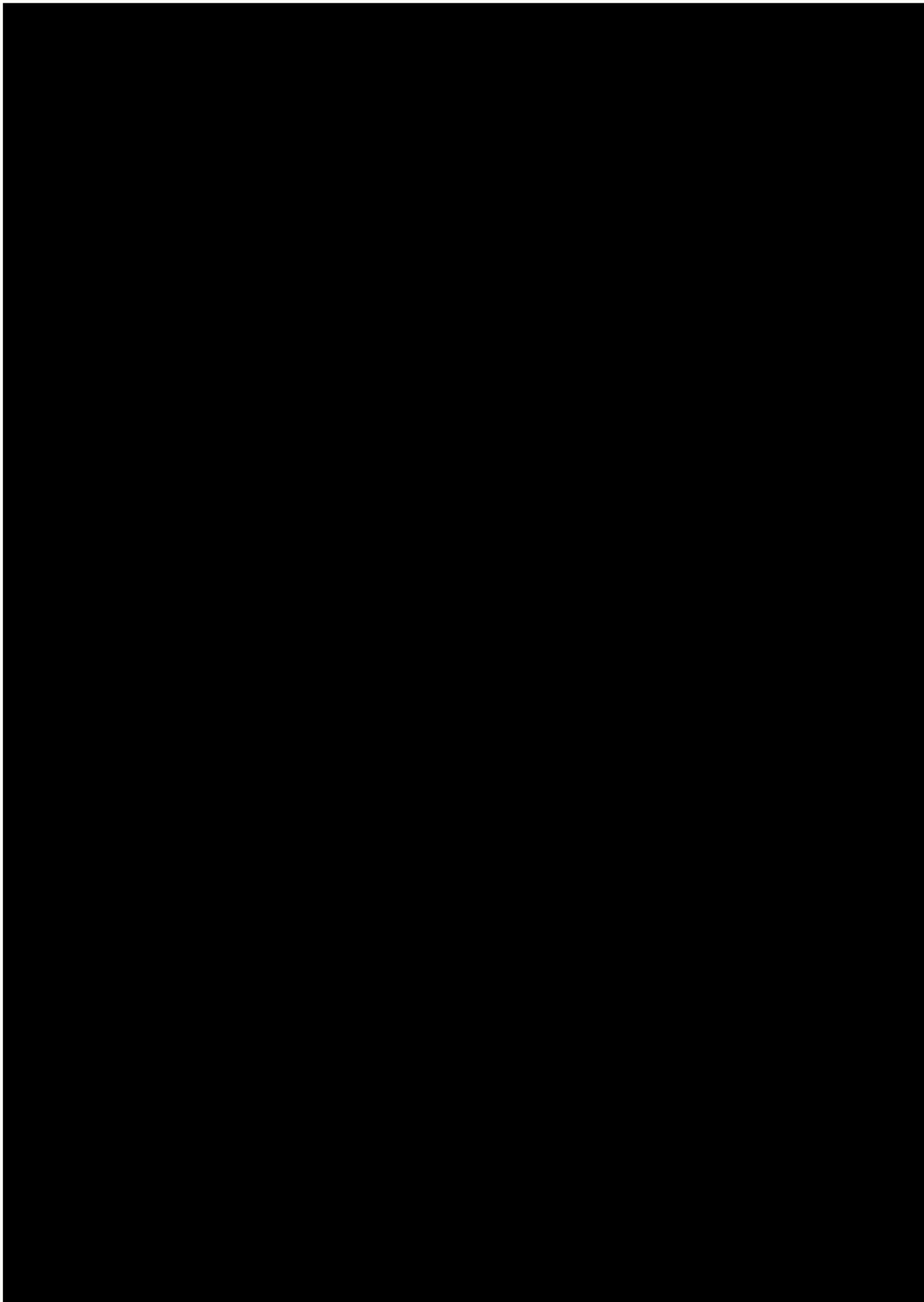
CAPITAL COST ESTIMATE

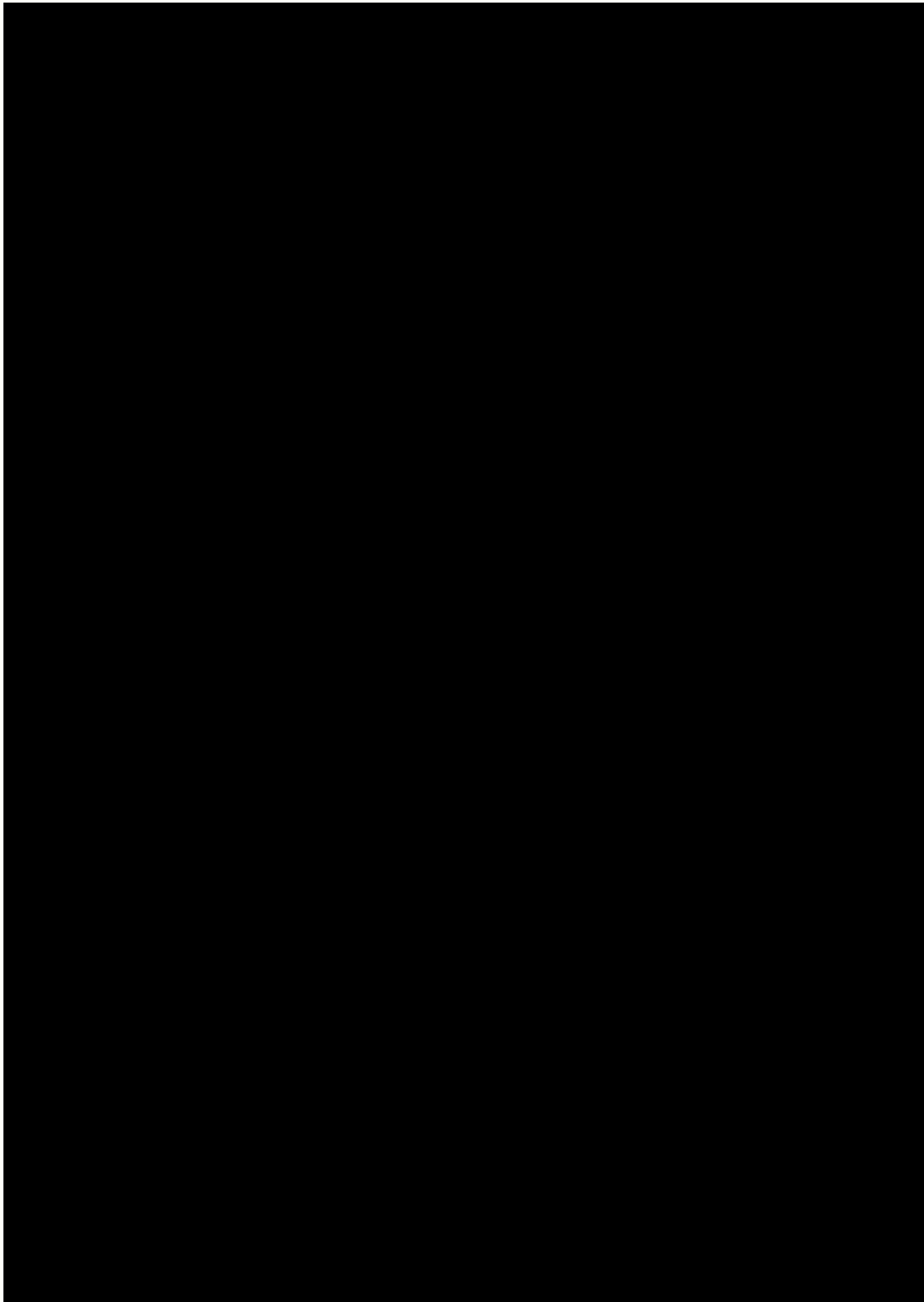
Summary

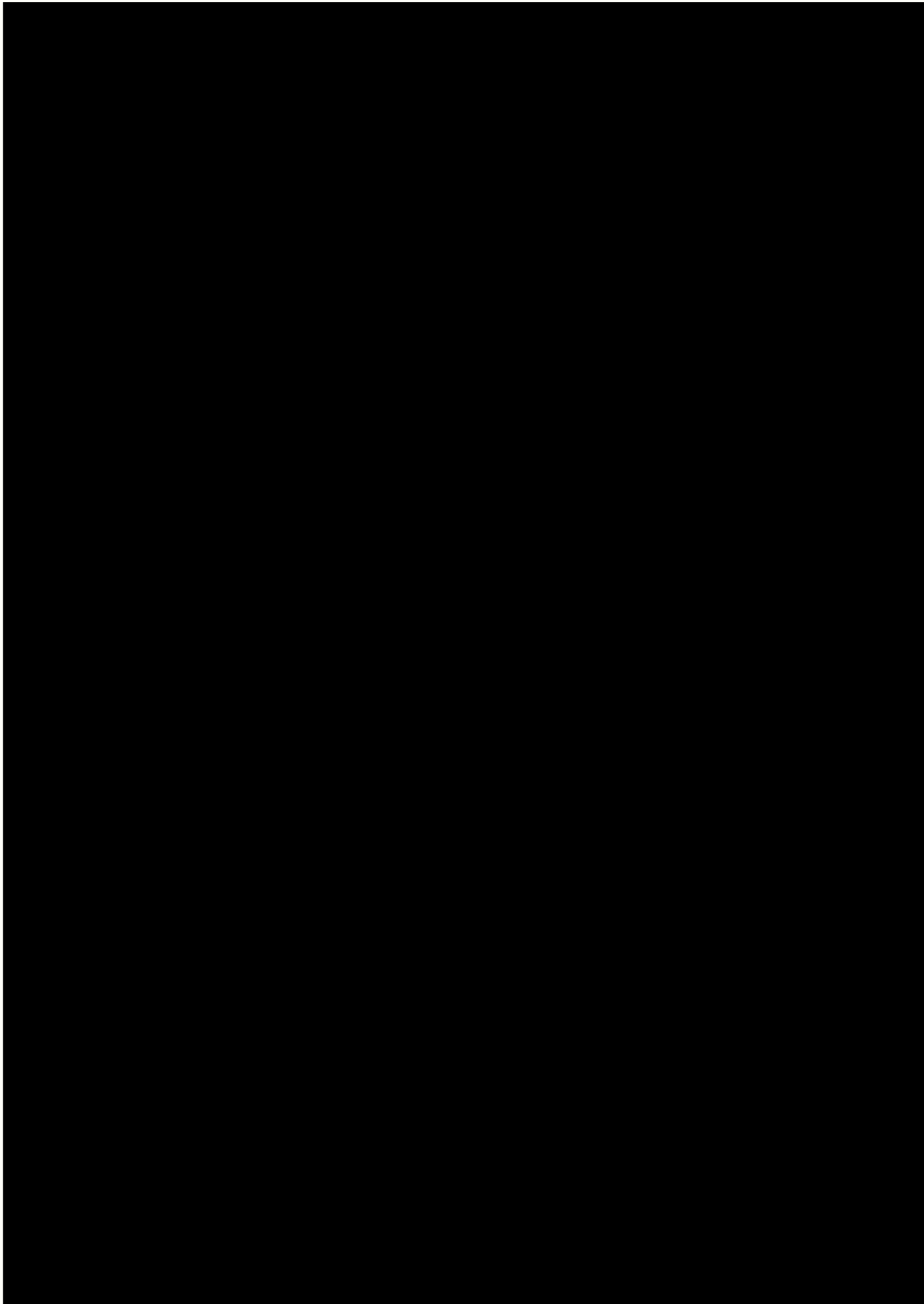
Client:	Newfoundland & Labrador Hydro
Plant:	150 MW Combustion Turbine Plant FEED Study
Project #:	H/373979
Revision#:	Rev. 1
Date:	2024-11-22
Estimate Class:	Class 3
Estimate Accuracy for 80% CI	-22.8% to +25.7%

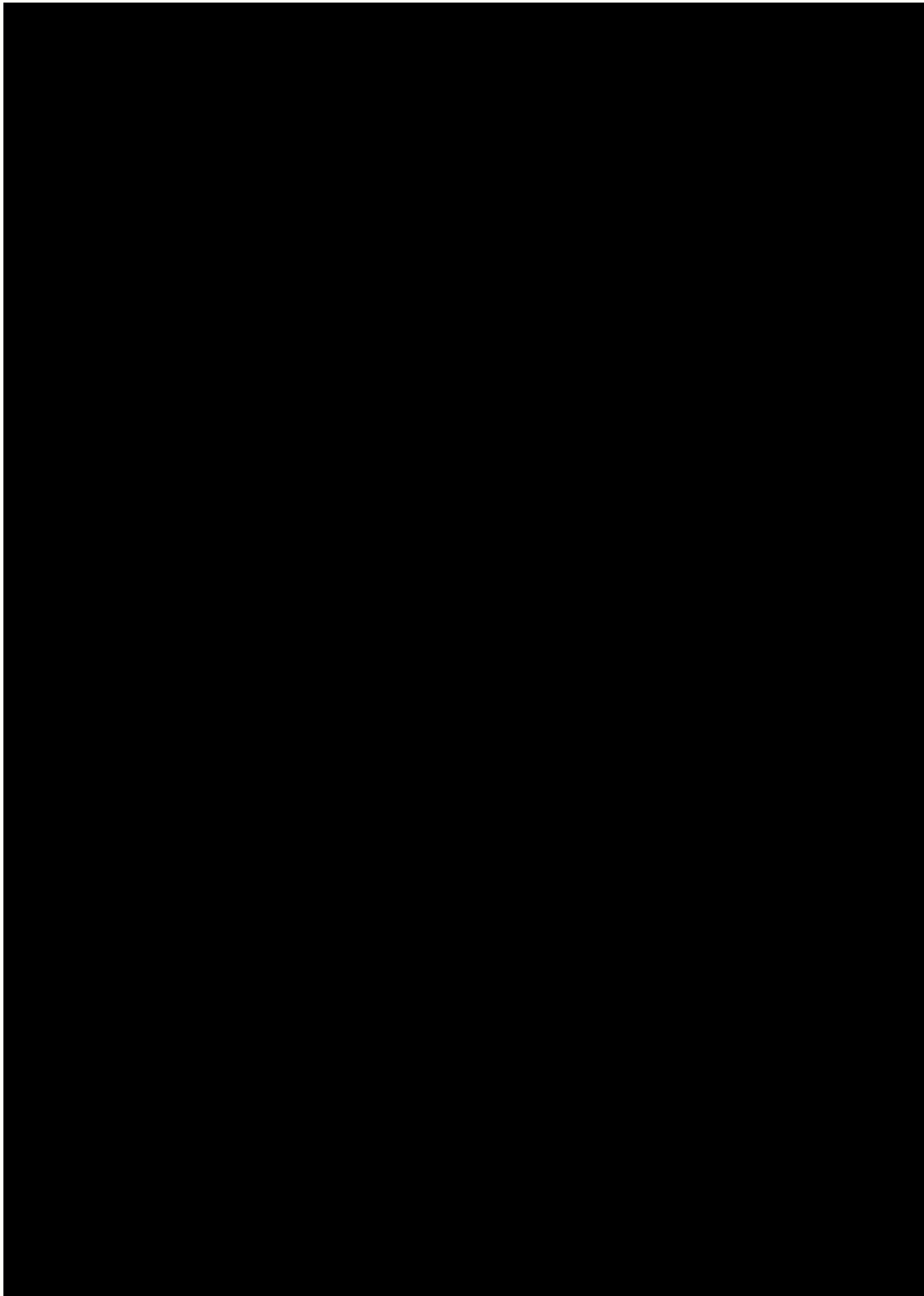
Approvals		
ESTIMATOR:		11/22/2024
CHECKED BY:		11/22/2024
STUDY MANAGER:		11/22/2024
SPONSOR:		11/22/2024

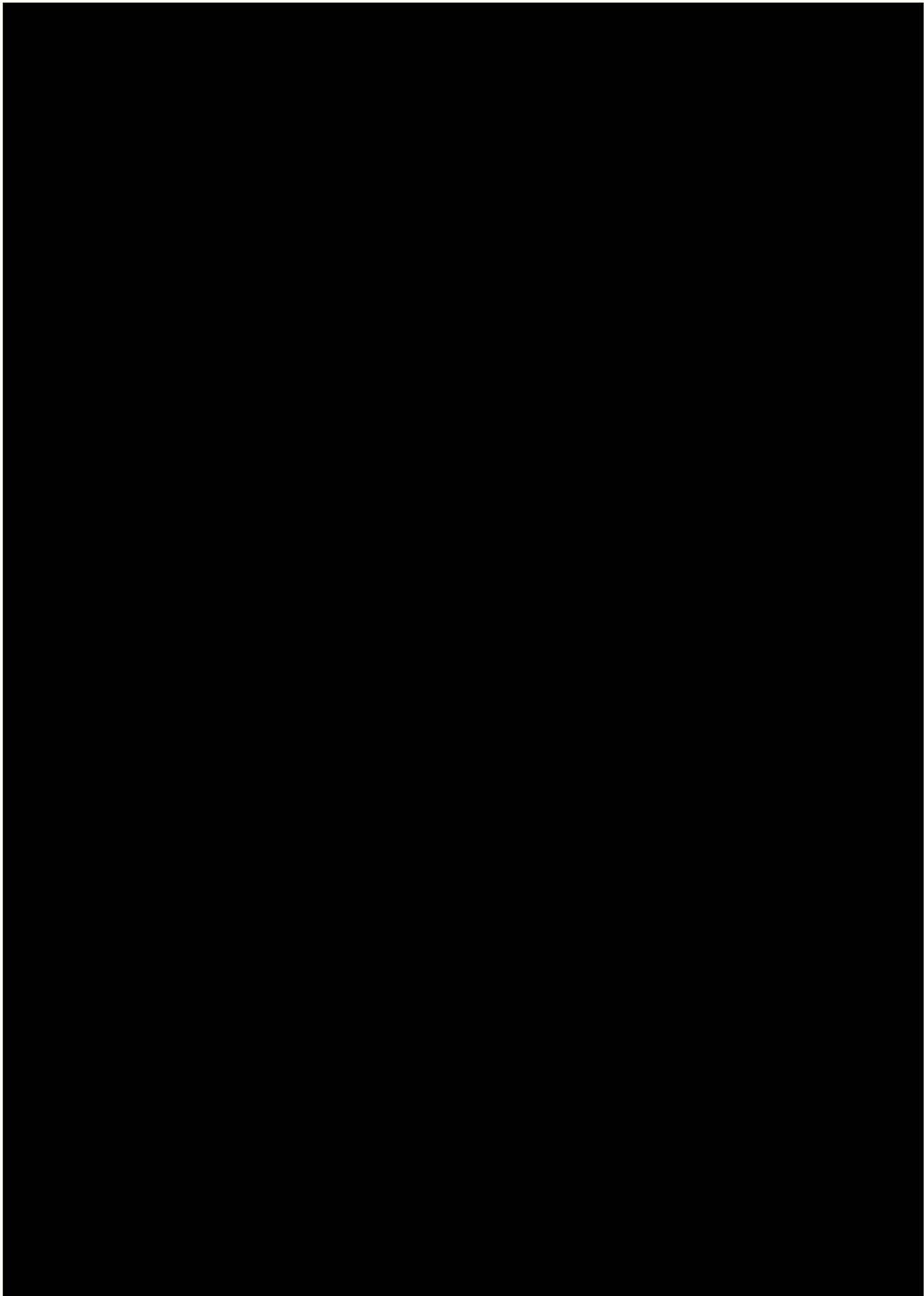


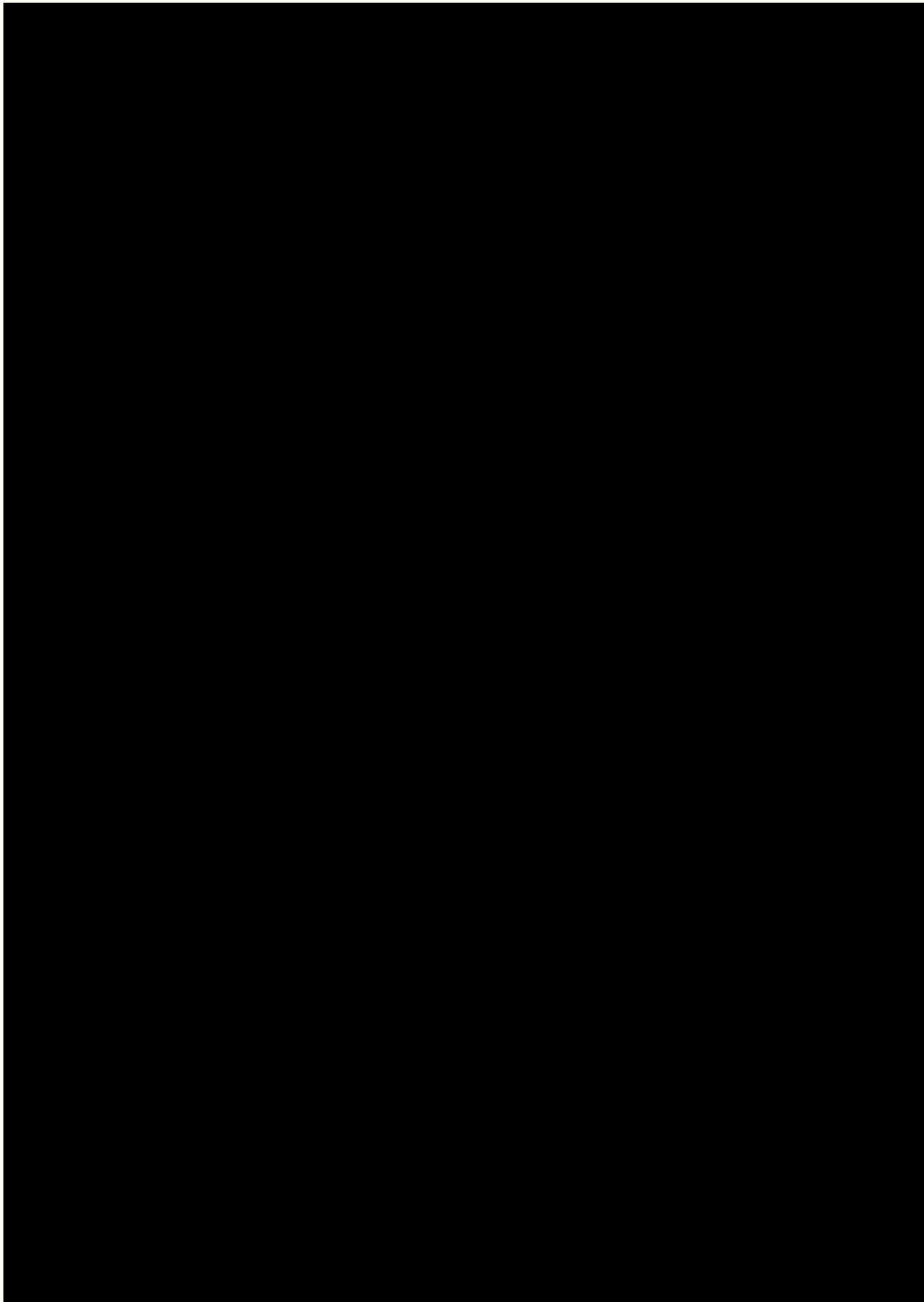


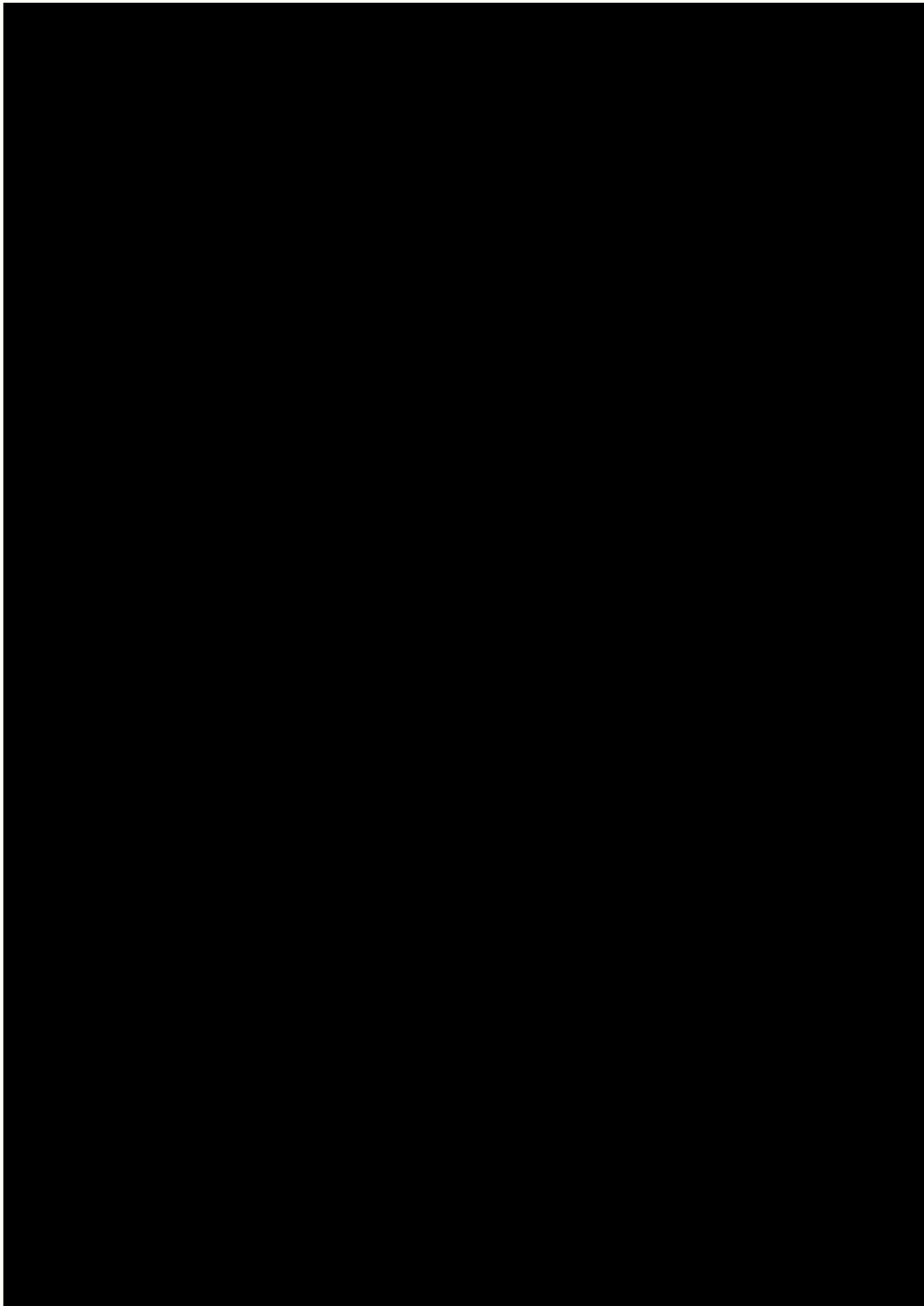


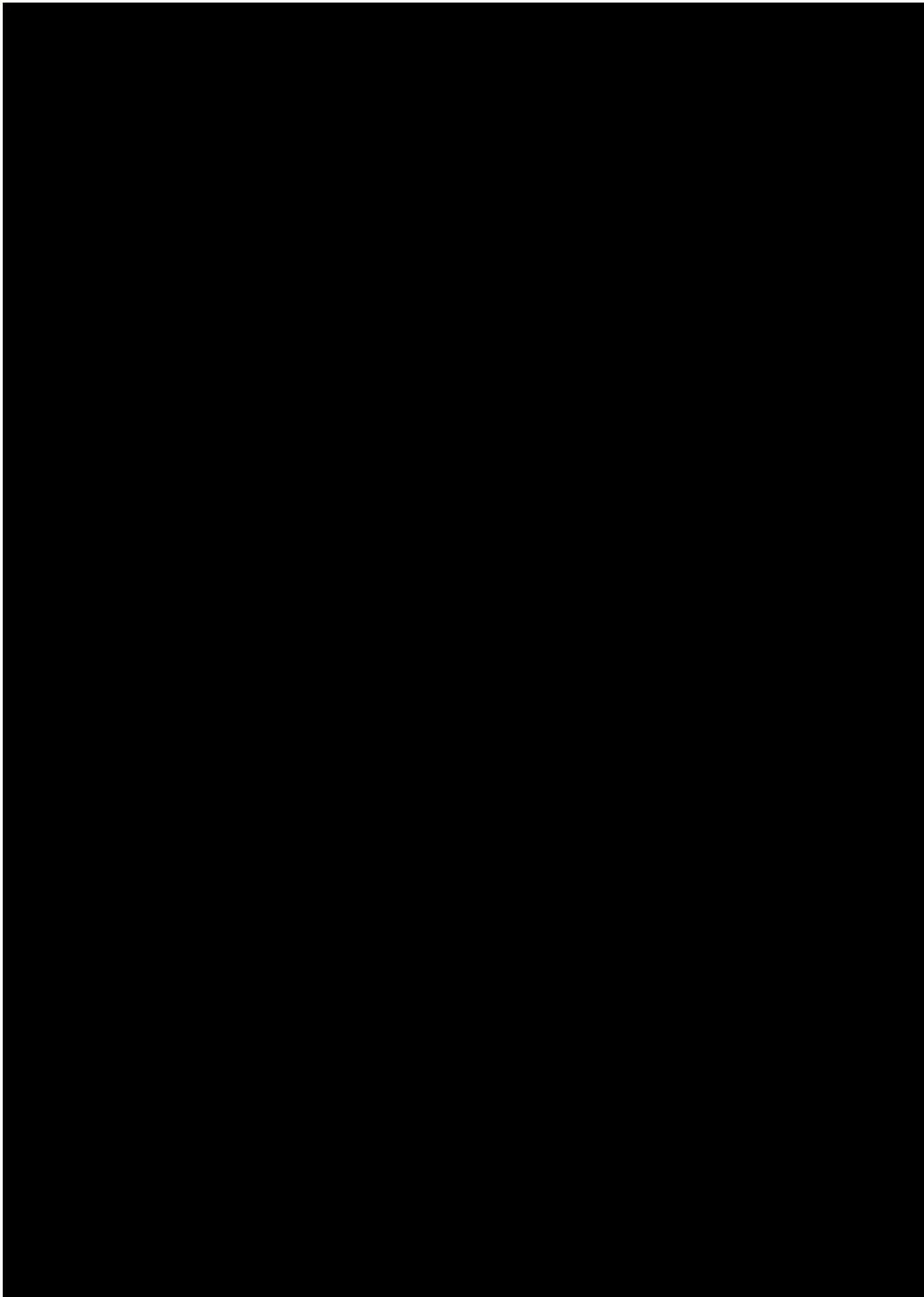


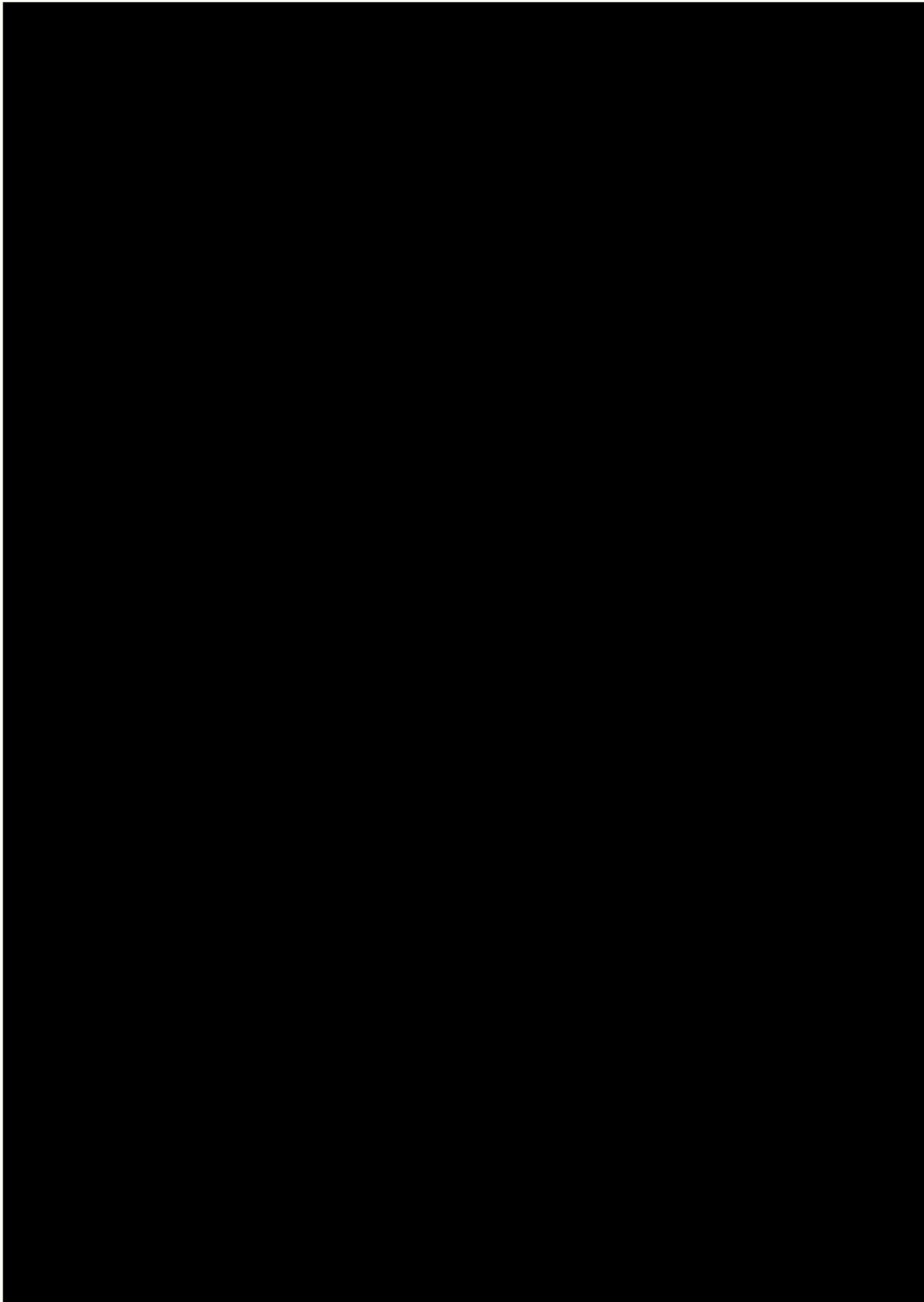


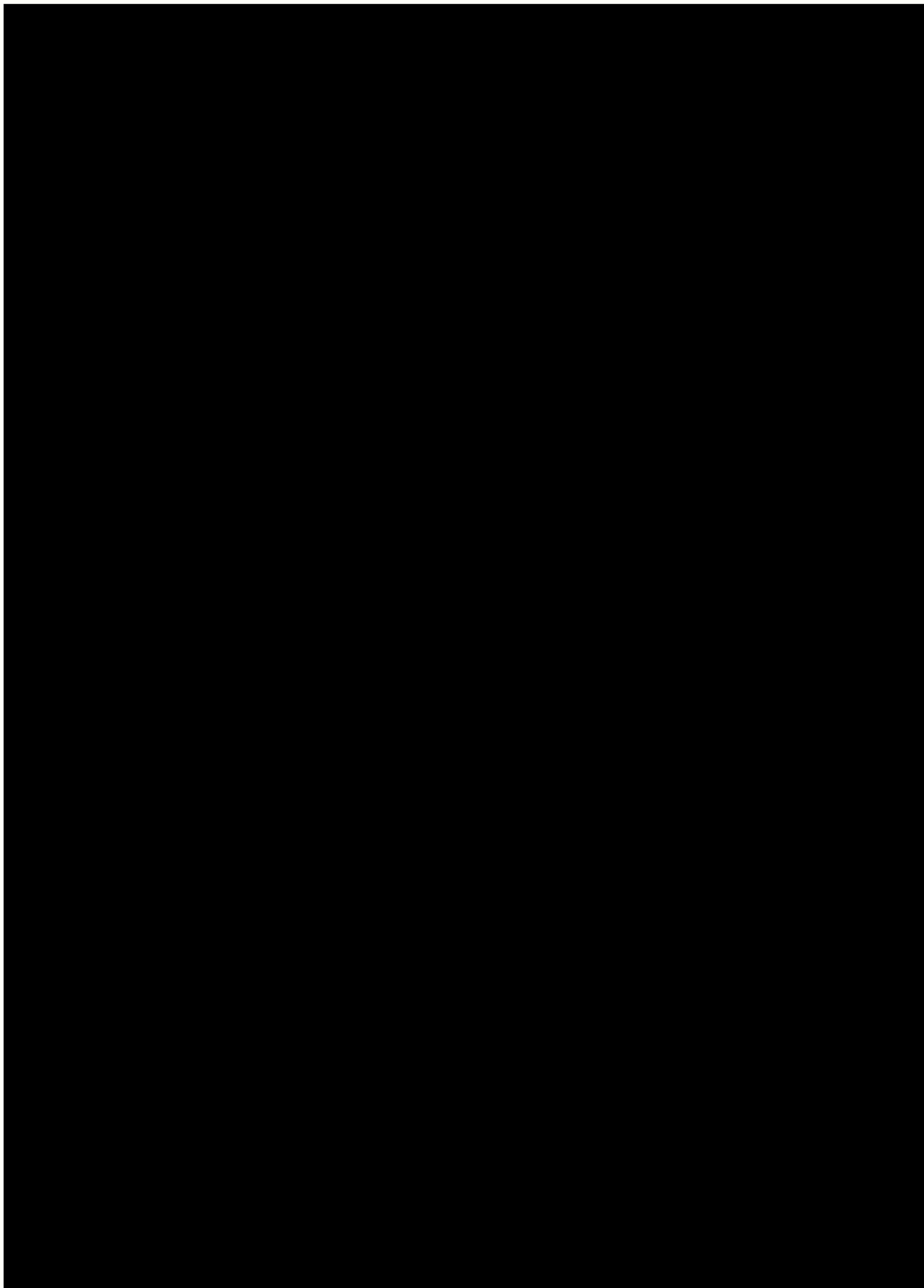


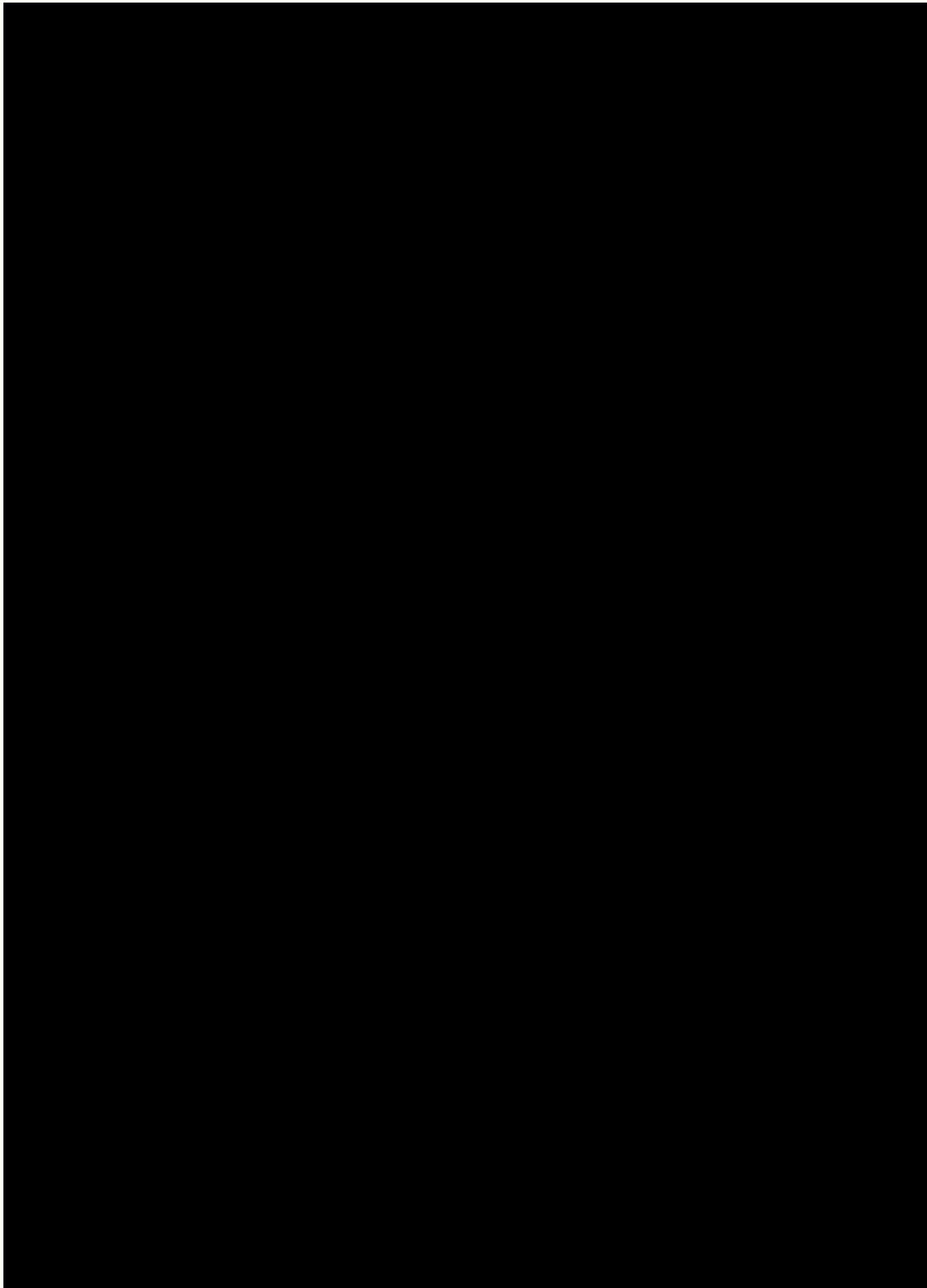


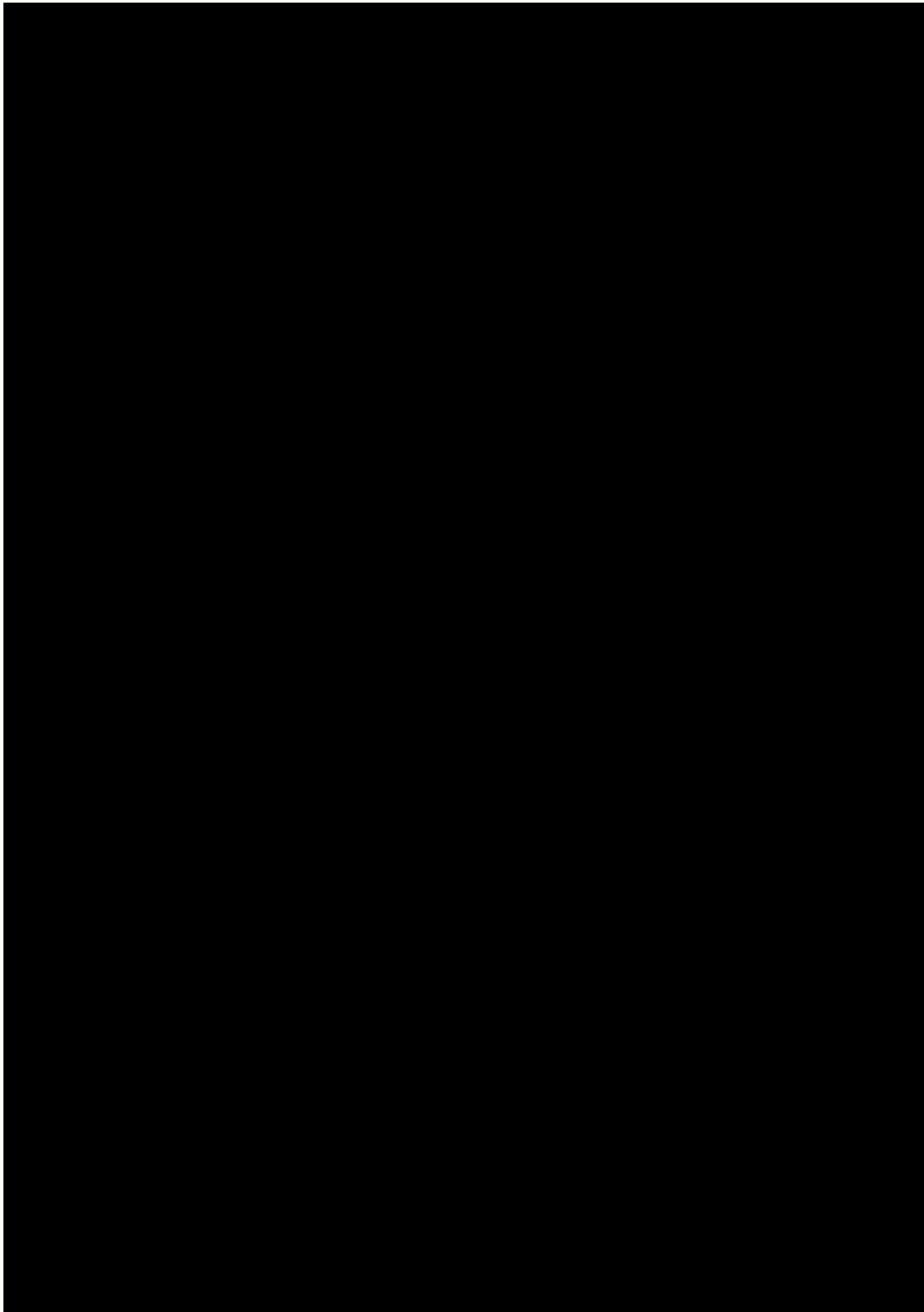


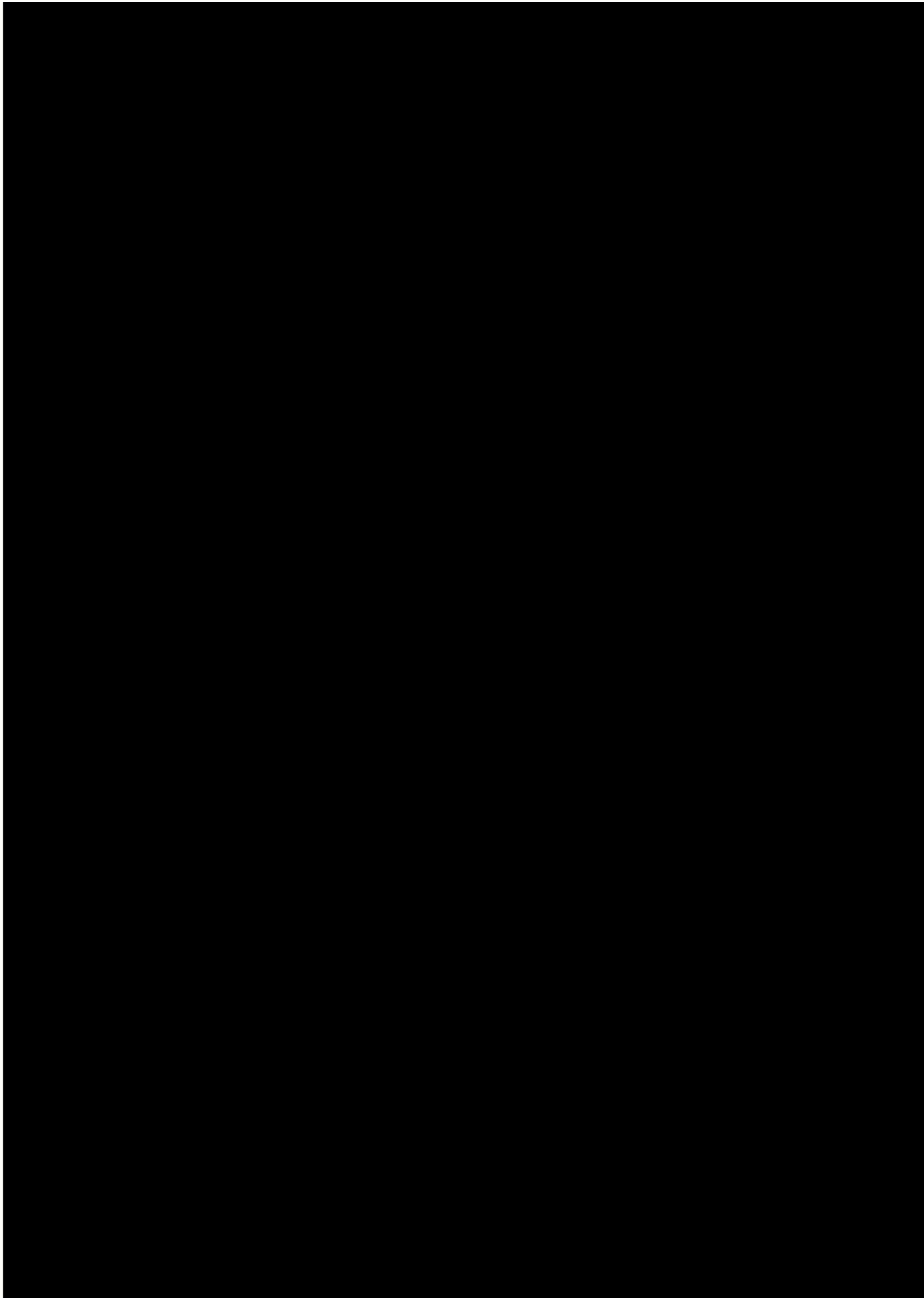


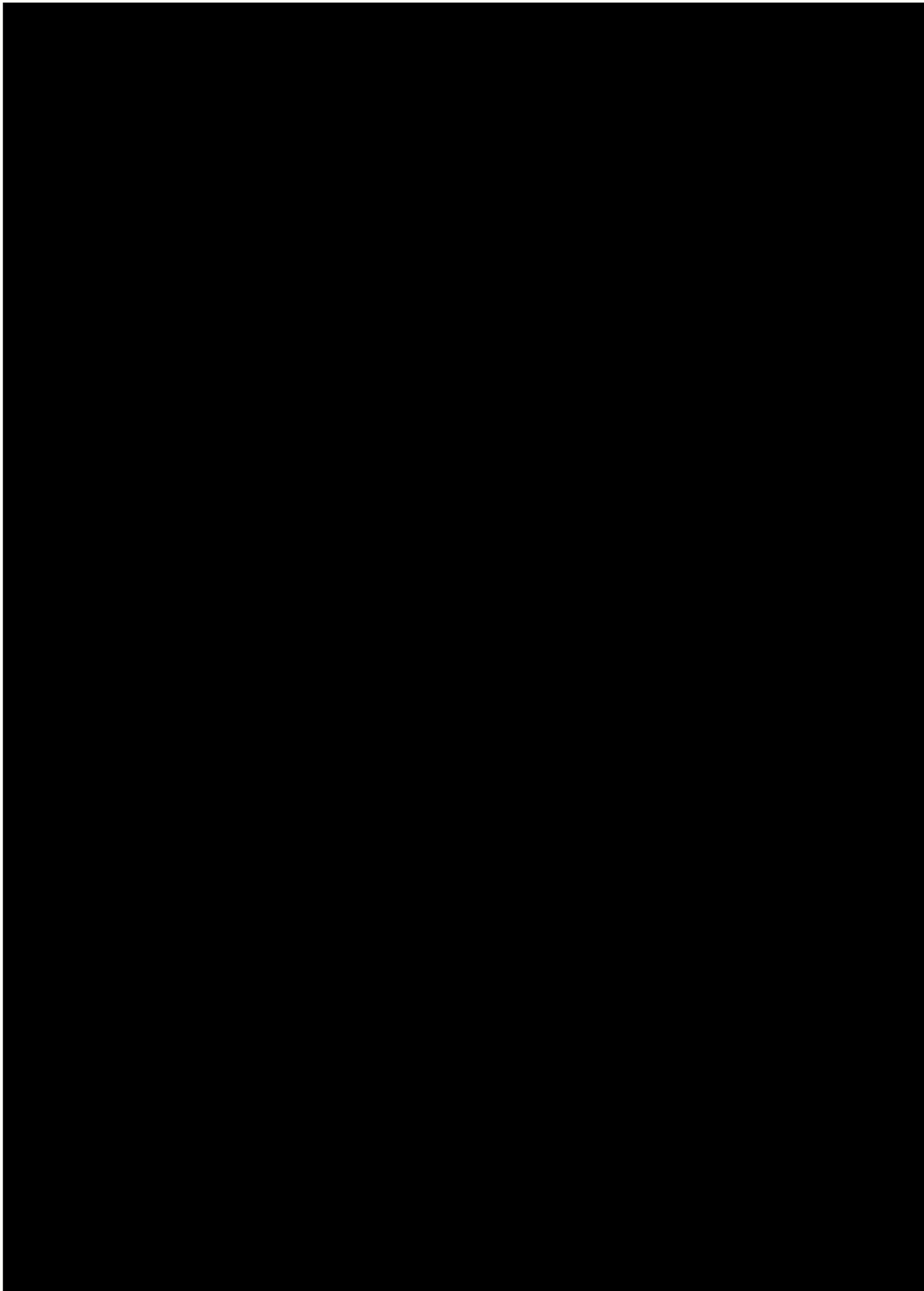


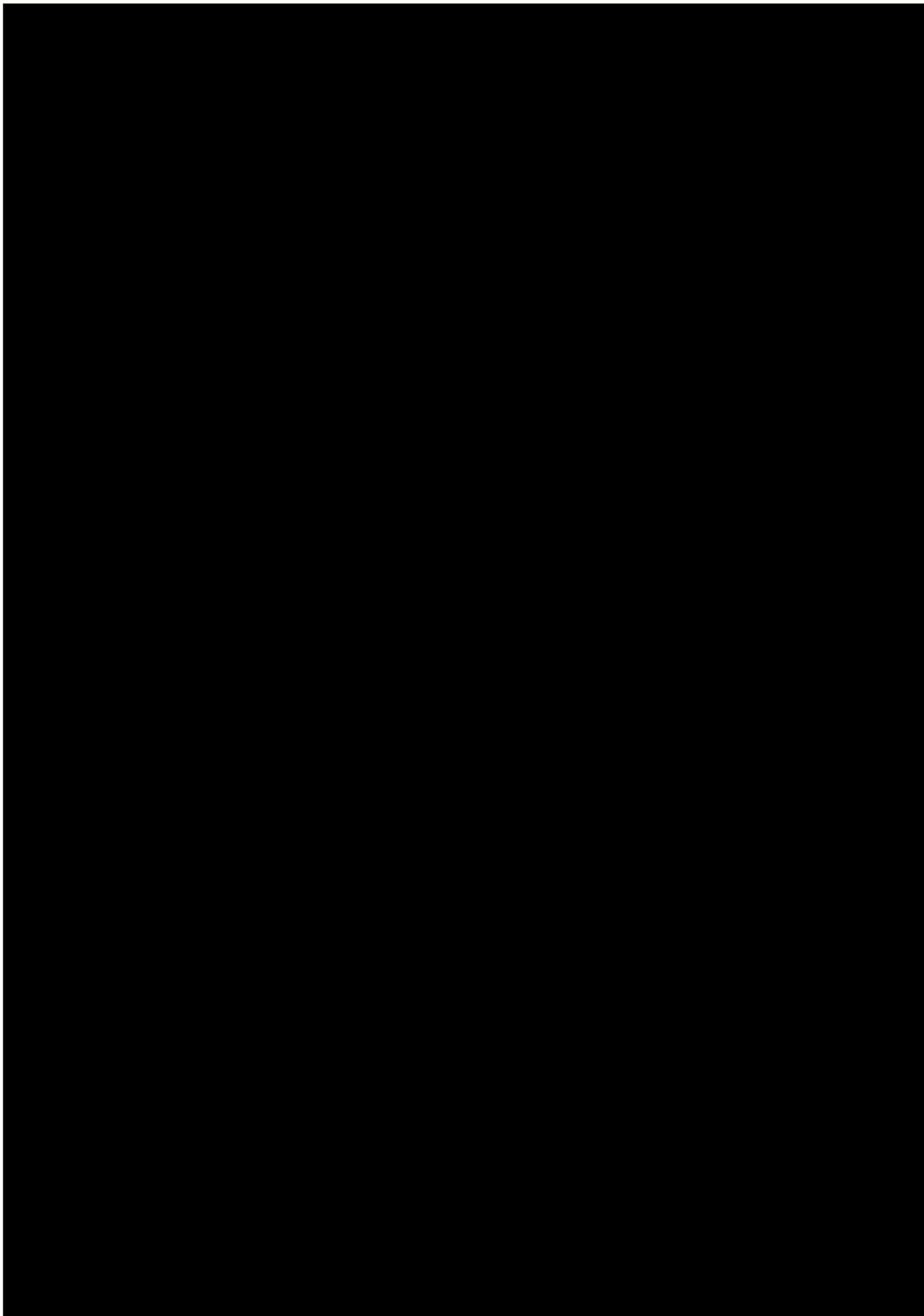


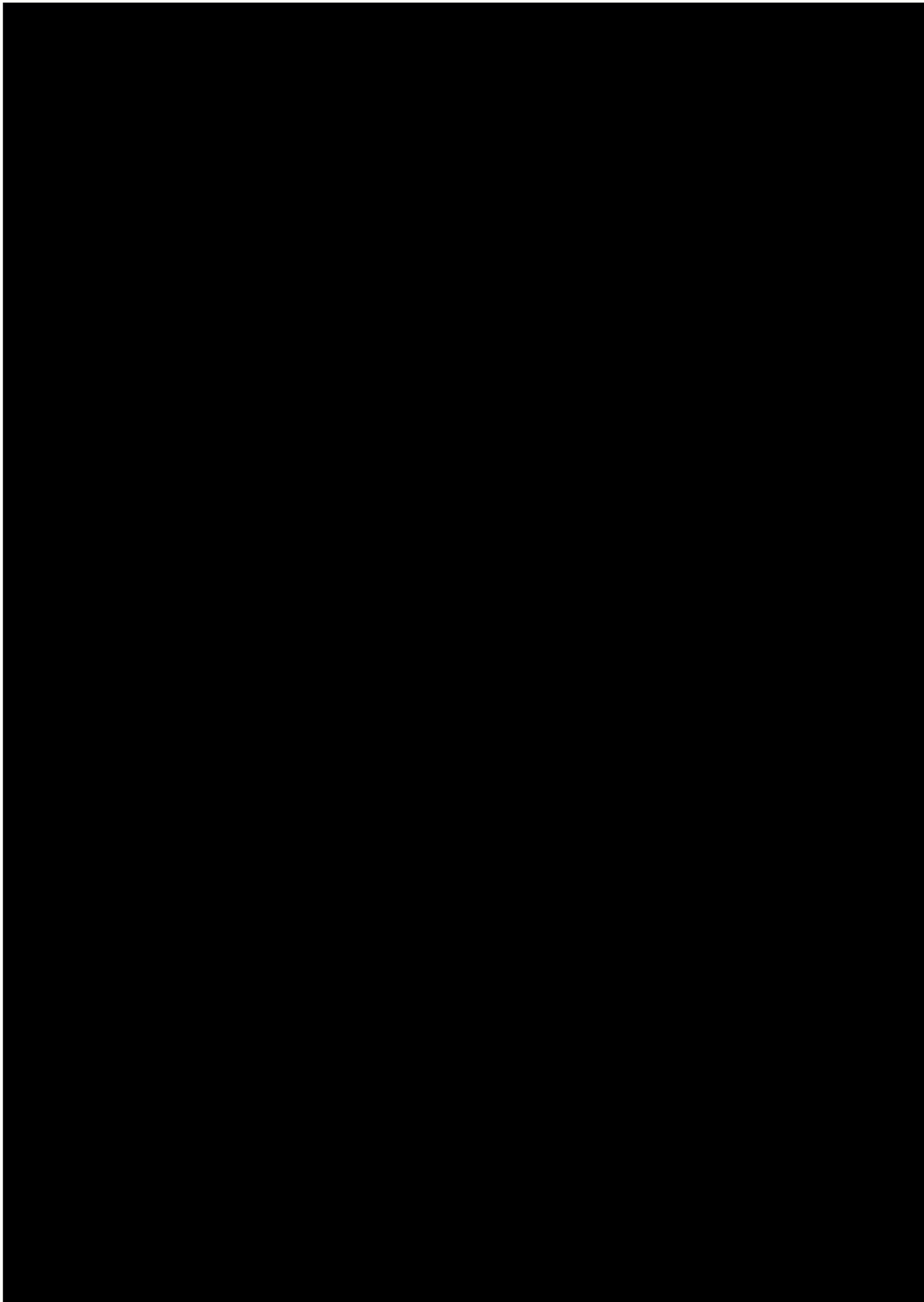


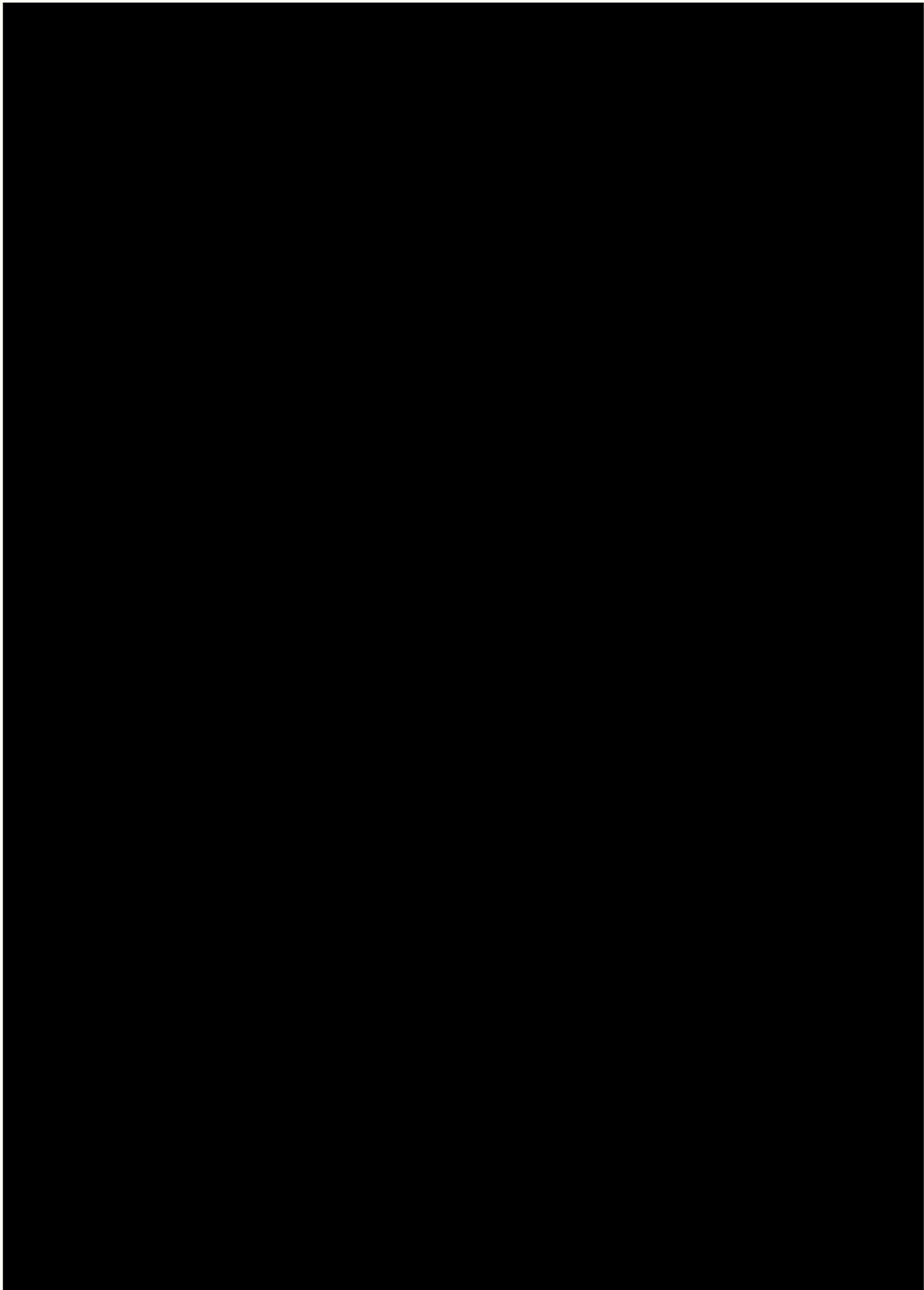


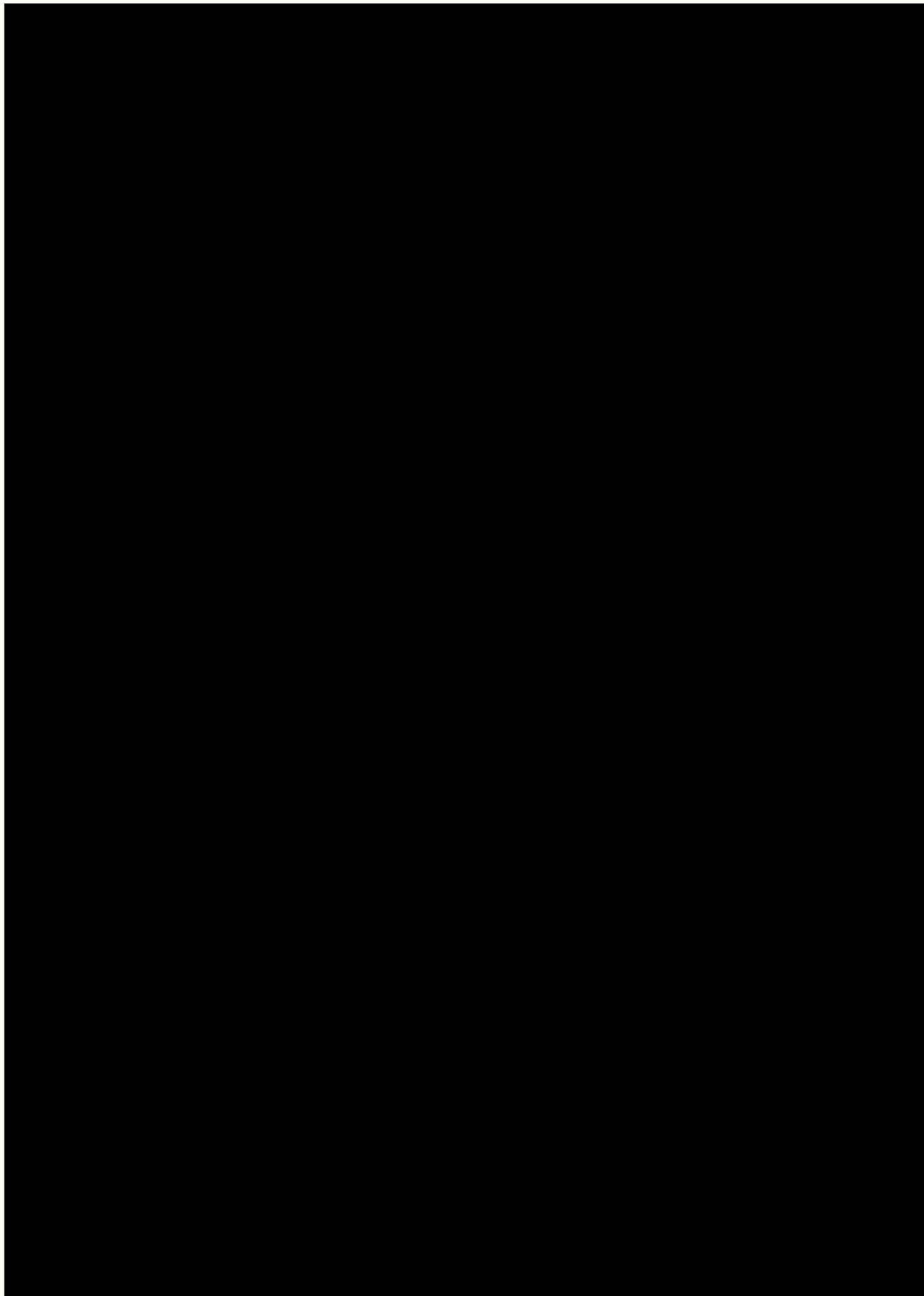


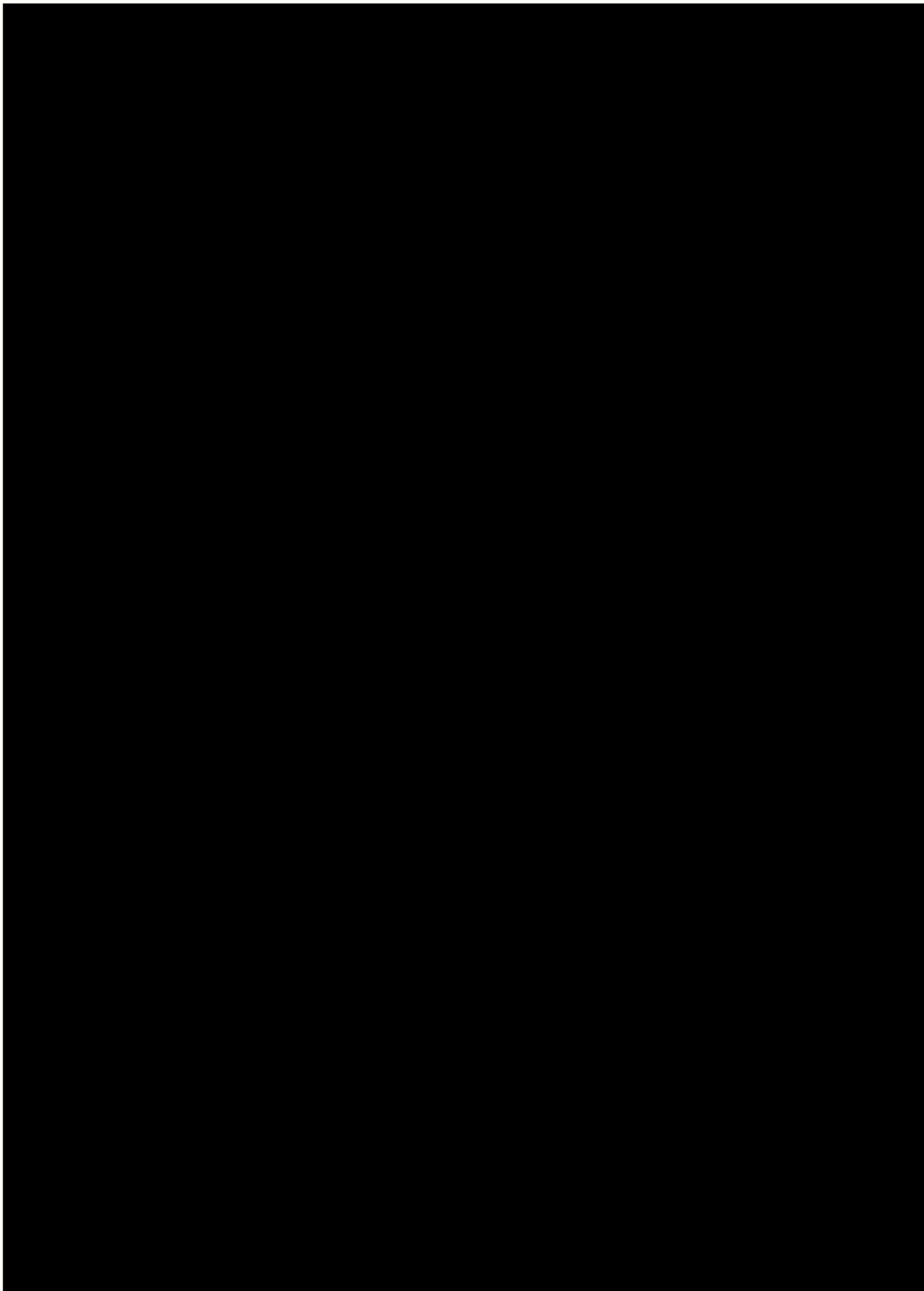


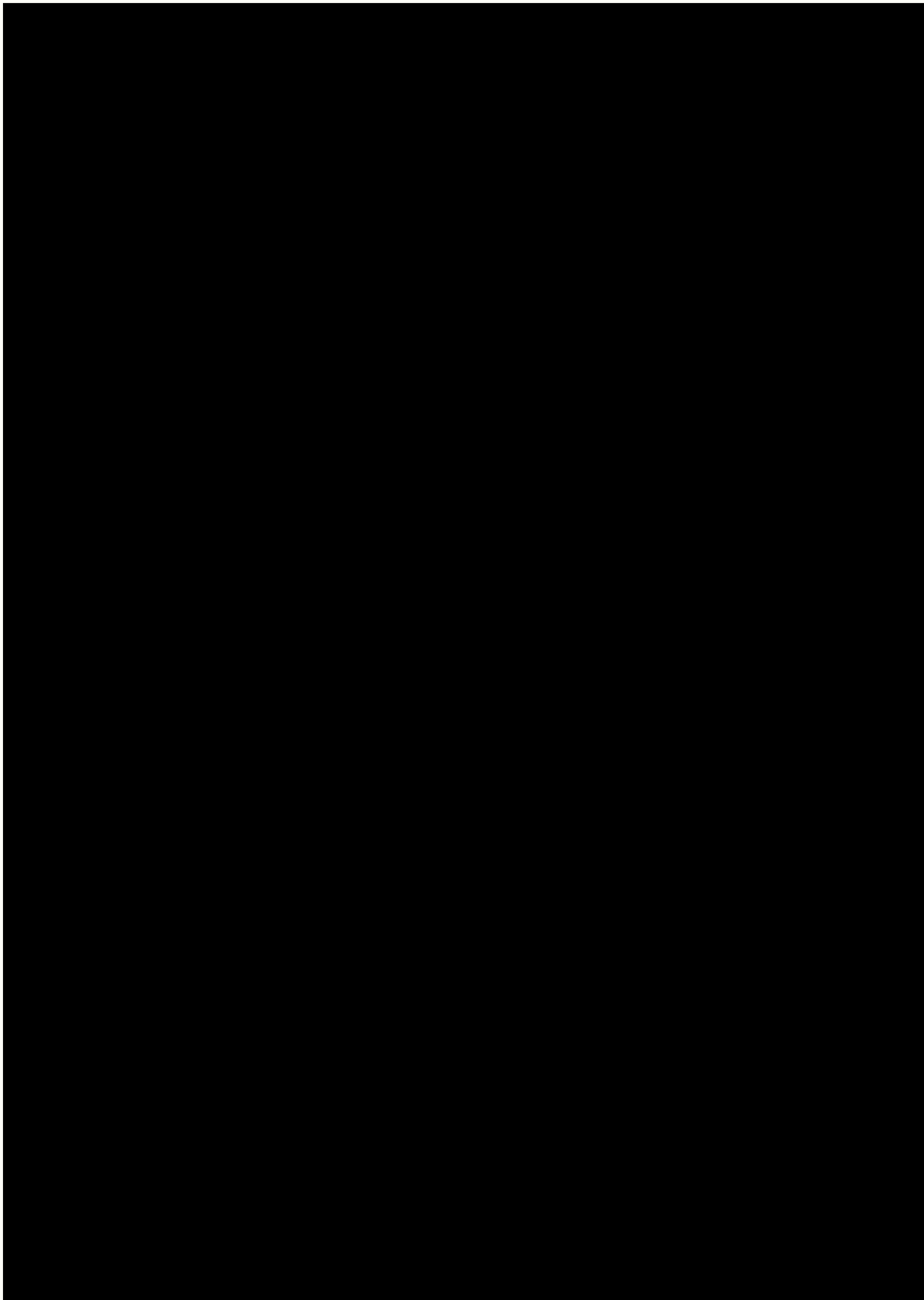


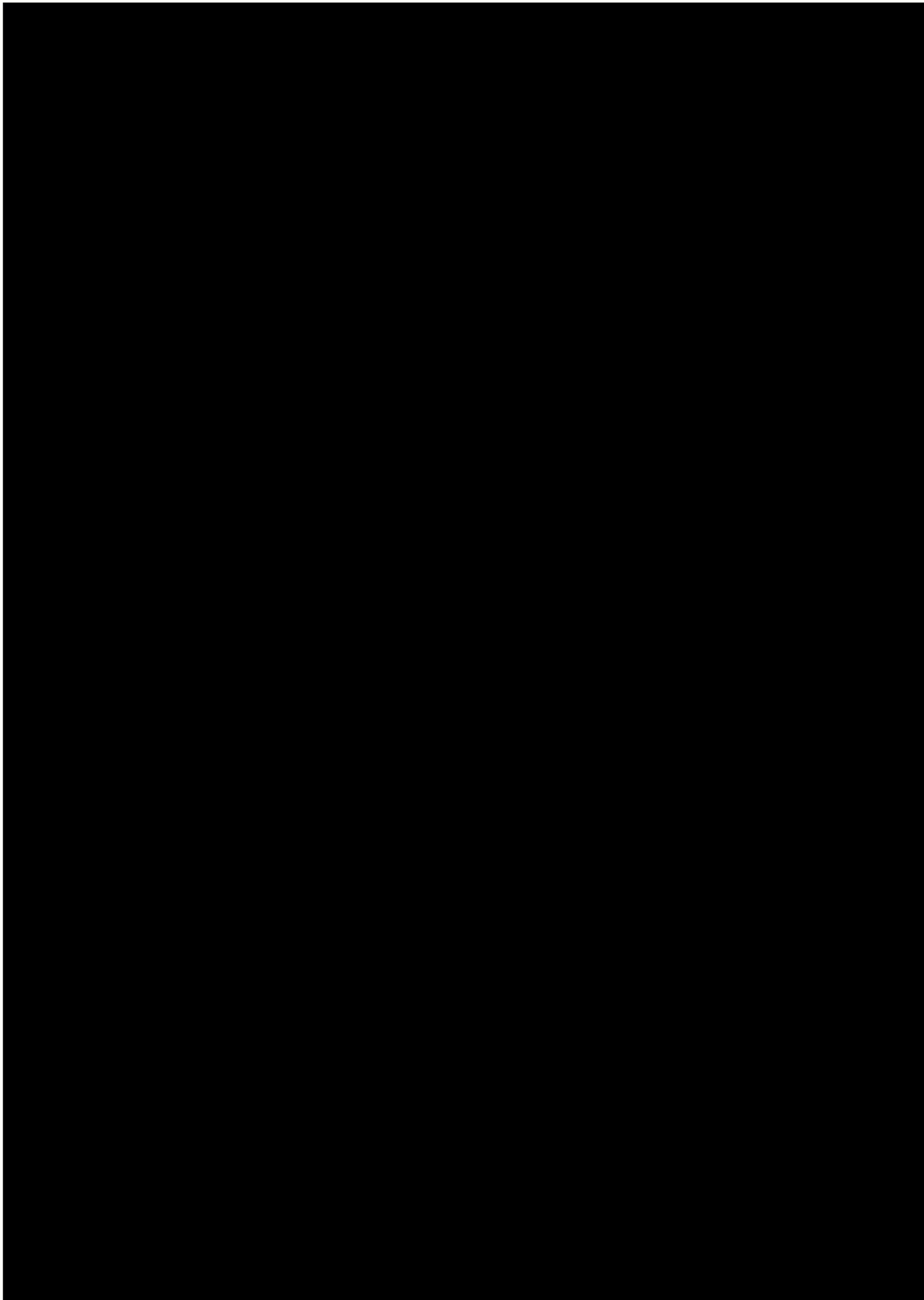


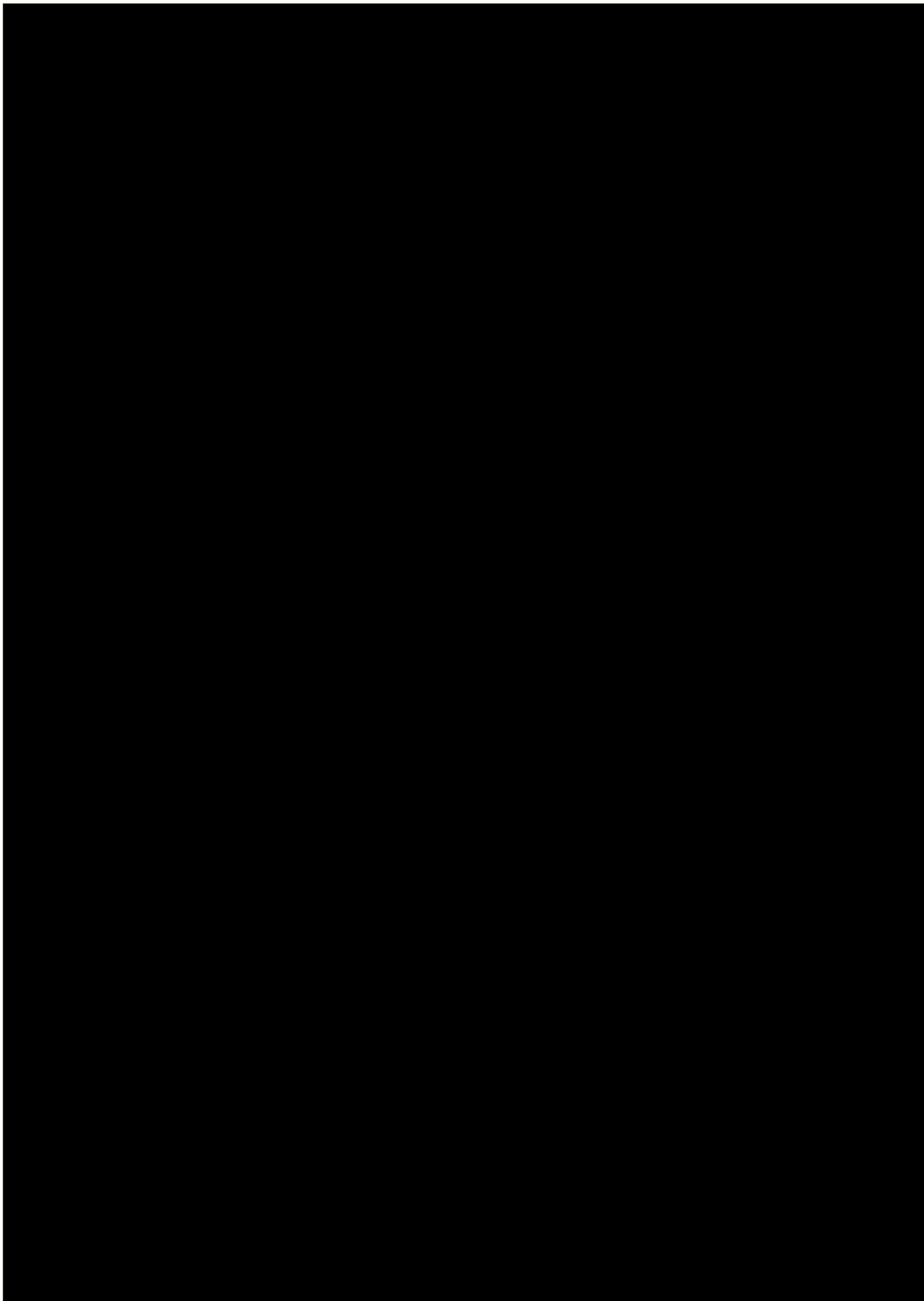


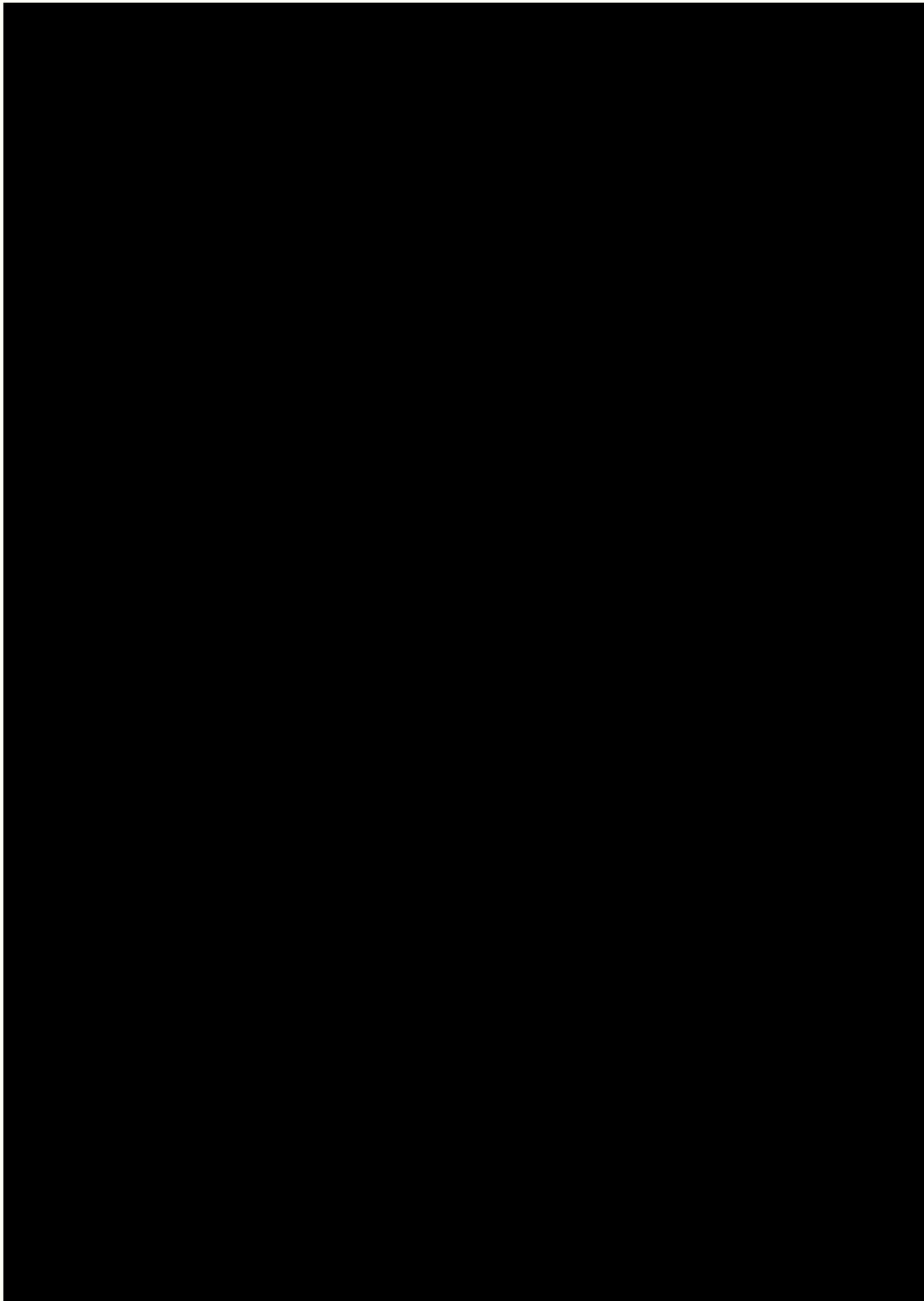


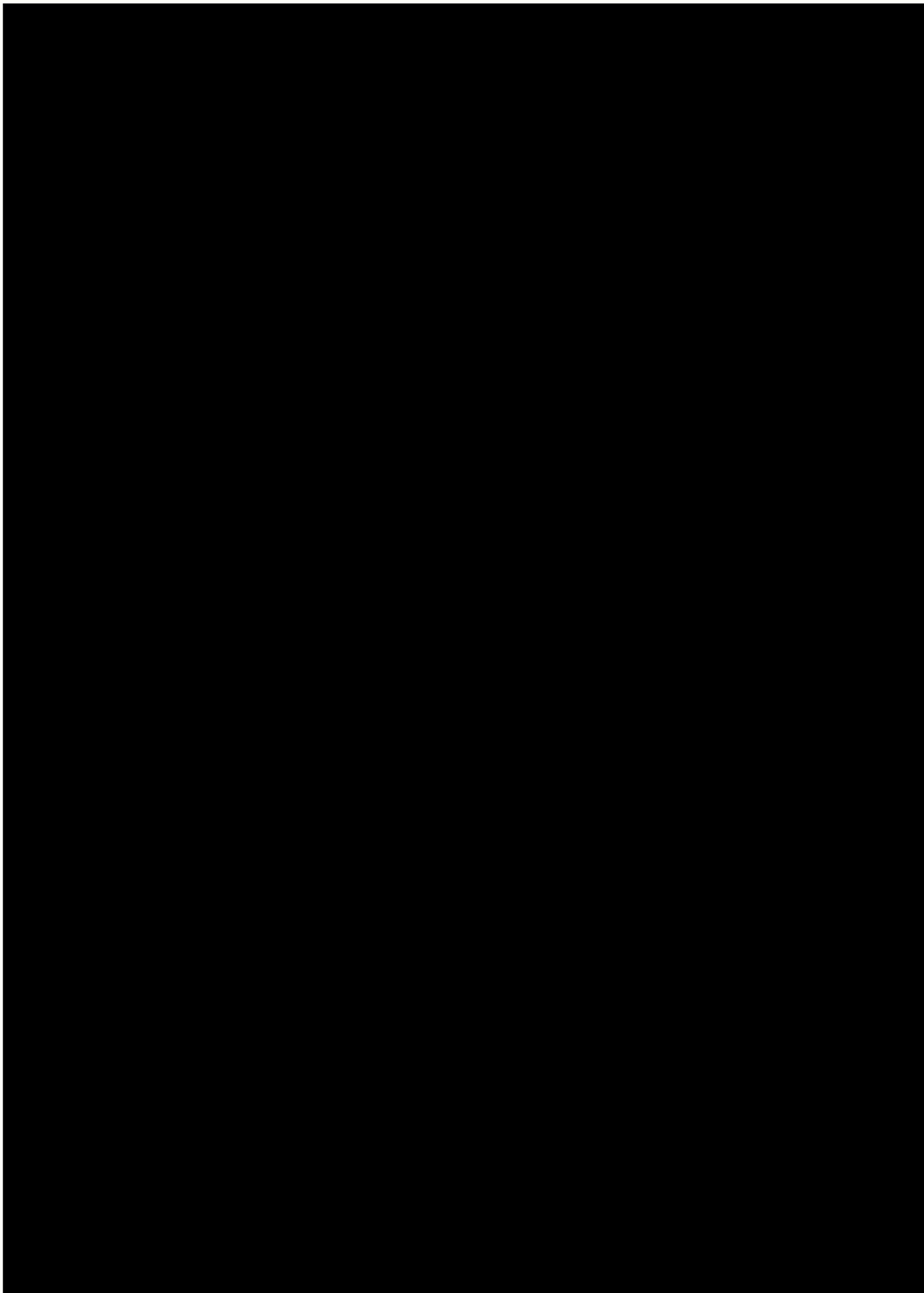


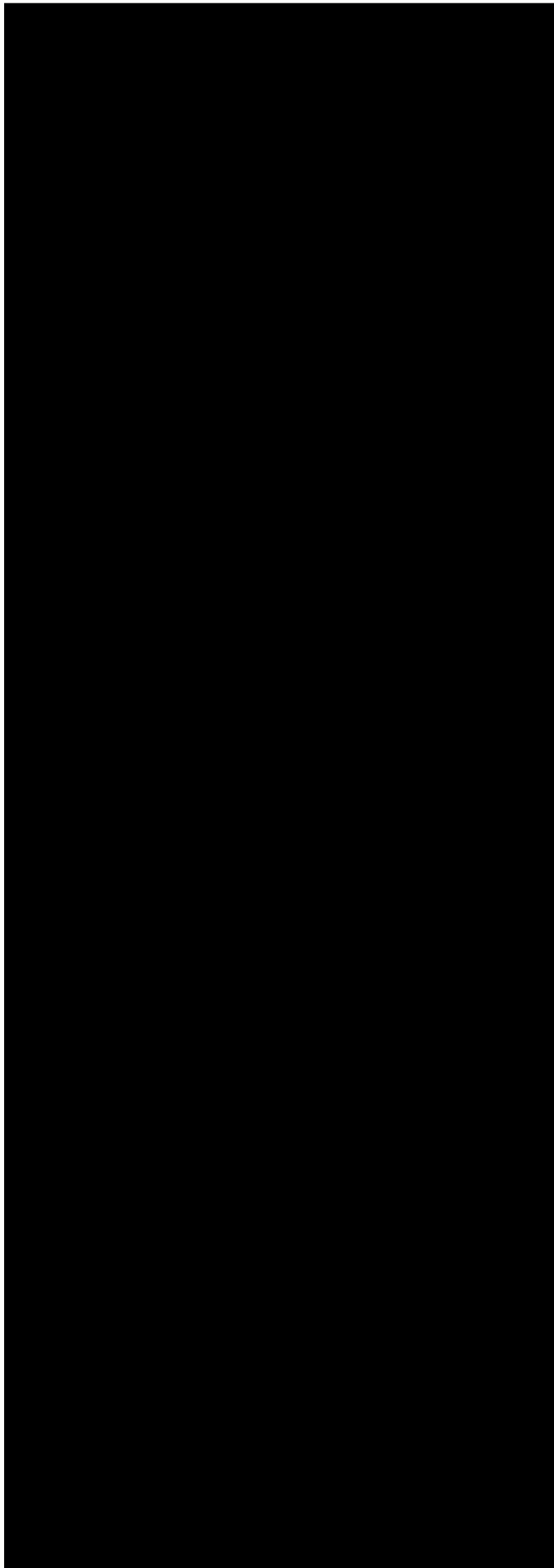












Trade	Description
A	Site Development
C	Concrete
D	Roadworks, Drainage & Paving
E	Earthwork
F	Architectural
J	Control & Instrumentation
L	Electrical Equipment
M	Mechanical Equipment
N	Mechanical Platework & Tanks
P	Pipework & Fittings
Q	Insulation
R	Cable Ladder, Tray & Conduit
S	Structural Steel
W	Wire & Cable
	DIRECT COSTS
	SUBTOTAL
	DIRECT COSTS
Y	Indirect Cost
	INDIRECT COSTS
	SUBTOTAL
	DIRECT + INDIRECT COSTS
Z	Contingency
	CONTINGENCY
	SUBTOTAL
	DIRECT + INDIRECT COSTS + CONTINGENCY
V	Owner's Cost
	TOTAL COST
	DIRECT + INDIRECT + CONTINGENCY + OWNER'S COST

Newfoundland & Labrador Hydro
150 MW Combustion Turbine Plant FEED Study
CAPEX Summary, by CWP

CWP	CWP Level 2	CWP Name
0000	CWP-0000-A-1-001	Site Development
0000	CWP-0000-A-1-002	Site Wide Roads, Drainage, Final Grading
0000	CWP-0000-D-1-001	Site Wide Roads
0000	CWP-0000-P-1-001	Site Wide Piping
0000 Total		
1000	CWP-1000-A-1-002	Tank Farm Roads, Drainage, Final Grading
1000	CWP-1000-C-1-001	Tank Farm Concrete
1000	CWP-1000-E-1-001	Tank Farm Earthworks
1000	CWP-1000-F-1-001	Tank Farm Architectural
1000	CWP-1000-J-1-001	Tank Farm Control & Instrumentation
1000	CWP-1000-M-1-001	Tank Farm Mechanical Equipment
1000	CWP-1000-N-1-001	Tank Farm Tanks
1000	CWP-1000-P-1-001	Tank Farm Piping
1000	CWP-1000-S-1-001	Tank Farm Structural Steel
1000 Total		
2000	CWP-2000-A-1-002	CT Plant Site Development
2000	CWP-2000-C-1-001	CT Plant Concrete
2000	CWP-2000-E-1-001	CT Plant Earthworks
2000	CWP-2000-F-1-001	CT Plant Architectural
2000	CWP-2000-J-1-001	CT Plant Control & Instrumentation
2000	CWP-2000-L-1-001	CT Plant Electrical Equipment
2000	CWP-2000-M-1-001	CT Plant Mechanical Equipment
2000	CWP-2000-N-1-001	CT Plant Tanks
2000	CWP-2000-P-1-001	CT Plant Piping
2000	CWP-2000-Q-1-001	CT Plant Refractory & Insulation
2000	CWP-2000-R-1-001	CT Plant Cable Tray & Conduit
2000	CWP-2000-S-1-001	CT Plant Structural Steel
2000	CWP-2000-W-1-001	CT Plant Wire and Cables
2000 Total		
3000	CWP-3000-C-1-001	Transformer Yard Concrete
3000	CWP-3000-E-1-001	Transformer Yard Earthworks
3000	CWP-3000-S-1-001	Transformer Yard Structural Steel
3000 Total		
4000	CWP-4000-A-1-001	Switchyard Site Development
4000	CWP-4000-C-1-001	Switchyard Concrete
4000	CWP-4000-E-1-001	Switchyard Earthworks
4000	CWP-4000-F-1-001	Switchyard Architectural
4000	CWP-4000-L-1-001	Switchyard Electrical Equipment
4000	CWP-4000-W-1-001	Switchyard Wire and Cables
4000	CWP-4000-S-1-001	Switchyard Structural Steel
4000 Total		
5000	CWP-5000-C-1-001	Raw Water Concrete
5000	CWP-5000-F-1-001	Raw Water Architectural
5000	CWP-5000-M-1-001	Raw Water Mechanical Equipment
5000	CWP-5000-N-1-001	Raw Water Tanks
5000	CWP-5000-P-1-001	Raw Water Piping
5000 Total		
6000	CWP-6000-A-1-001	Fuel Offloading Site Development
6000	CWP-6000-C-1-001	Fuel Offloading Concrete
6000	CWP-6000-E-1-001	Fuel Offloading Earthworks
6000	CWP-6000-P-1-001	Fuel Offloading Piping
6000	CWP-6000-S-1-001	Fuel Offloading Structural Steel
6000 Total		
7000	CWP-7000-L-1-001	Transmission Lines Electrical Equipment
7000 Total		
Grand Total		

Newfoundland & Labrador Hydro
150 MW Combustion Turbine Plant FEED Study
CAPEX Summary, by FBS

FBS Division 1	FBS Division 2	FBS Division 3	FBS Division 3 Name
1000	1500	1500	Stormwater Infrastructure
1000	1600	1600	Bulk Earthworks
1000	1700	1700	Site Roads and Parking Areas
1000	1800	1800	Security (Fencing, Gates, etc.)
1000 Total			
2000	2100	2100	Power House Building
2000	2200	2200	Gas Turbine Foundations
2000	2300	2300	Electrical Foundations
2000	2500	2500	Miscellaneous Foundations (Pumps, Tanks, etc.)
2000	2600	2600	Pipe Rack Foundations and Structures
2000	2700	2700	Permanent Cranes
2000 Total			
3000	3100	3100	Gas Turbine Generator Packages
3000 Total			
4000	4100	4100	Diesel Oil Tanks
4000	4200	4200	Fuel Handling System
4000	4300	4300	Jetty Fuel Transfer System
4000	4400	4400	Vehicle Offloading System
4000 Total			
5000	5100	5100	Main Output System
5000	5200	5200	Unit and Station Power Supply
5000	5300	5300	AC Power Distribution Systems
5000	5400	5400	Protection and Metering
5000	5500	5500	UPS Power Distribution
5000	5600	5600	Cabling System
5000	5700	5700	Switchyard
5000	5800	5800	Transmission Lines
5000	5900	5900	Building and Yard Electrical Services
5000 Total			
6000	6100	6100	Central Control System
6000 Total			
7000	7100	7100	Plant Water Systems
7000	7200	7200	Water Treatment System
7000	7300	7300	Compressed Air Systems
7000	7400	7400	Fire Protection System
7000	7500	7500	HVAC Systems
7000	7600	7600	Oil/Water Drains
7000	7700	7700	Miscellaneous Equipment and Systems
7000 Total			
8000	8100	8100	EPCM
8000	8200	8200	Construction Indirects
8000	8300	8300	Freight
8000	8400	8400	Vendor Representatives
8000	8500	8500	Spare Parts
8000	8510	8510	Spare Parts - Commissioning and Startup
8000	8520	8520	Spare Parts - Capital
8000	8600	8600	First Fill and Oils
8000	8700	8700	Third-Party Services
8000	8800	8800	Other Indirect Costs
8000 Total			
9000	9100	9100	Contingency
9000	9200	9200	Owner's Cost
9000 Total			
Grand Total			

