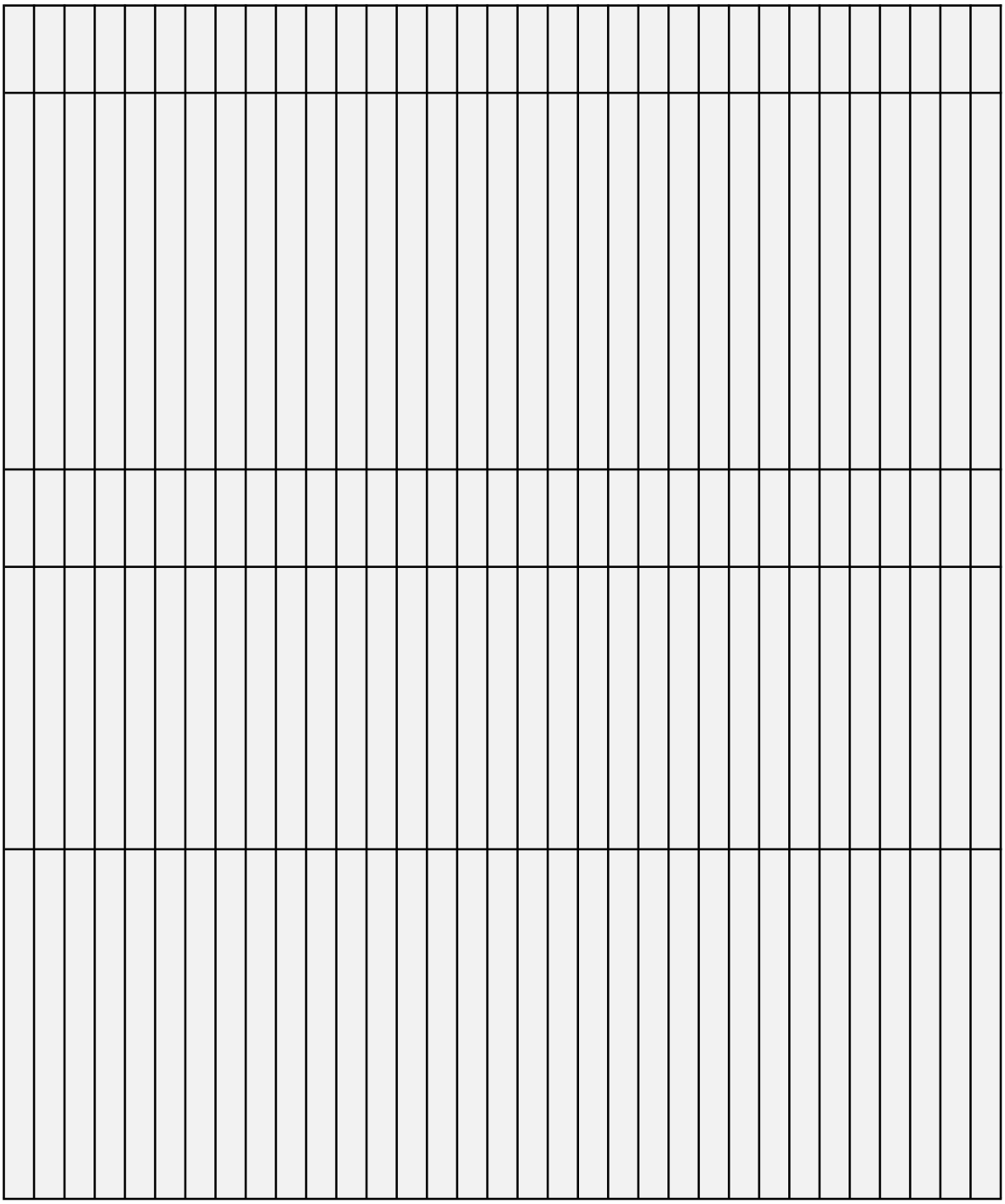
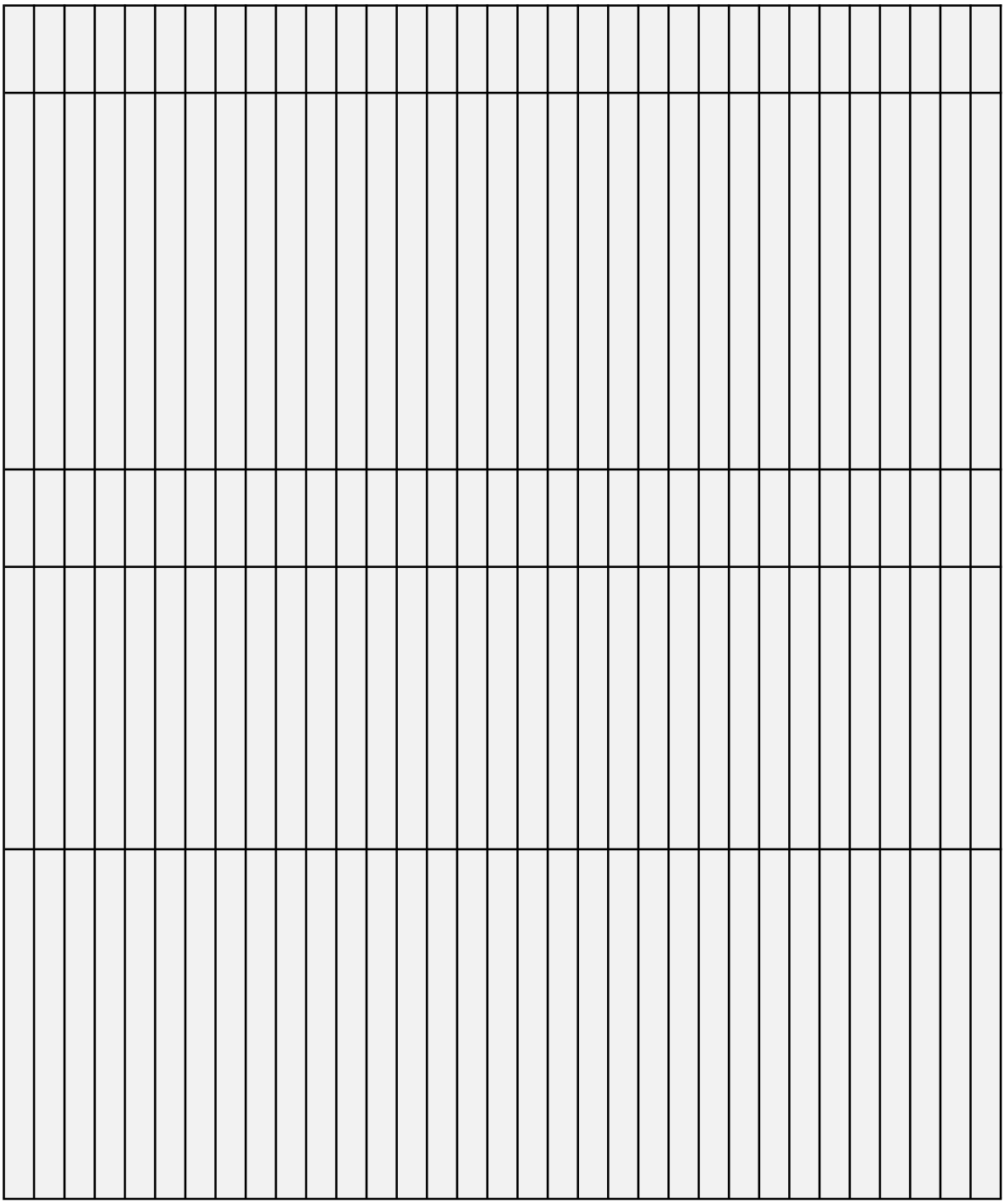
Business/Operating unit:	**Service and Calibration of Laboratory Equipments for 5 years Various**
Date:	**29/01/2026**

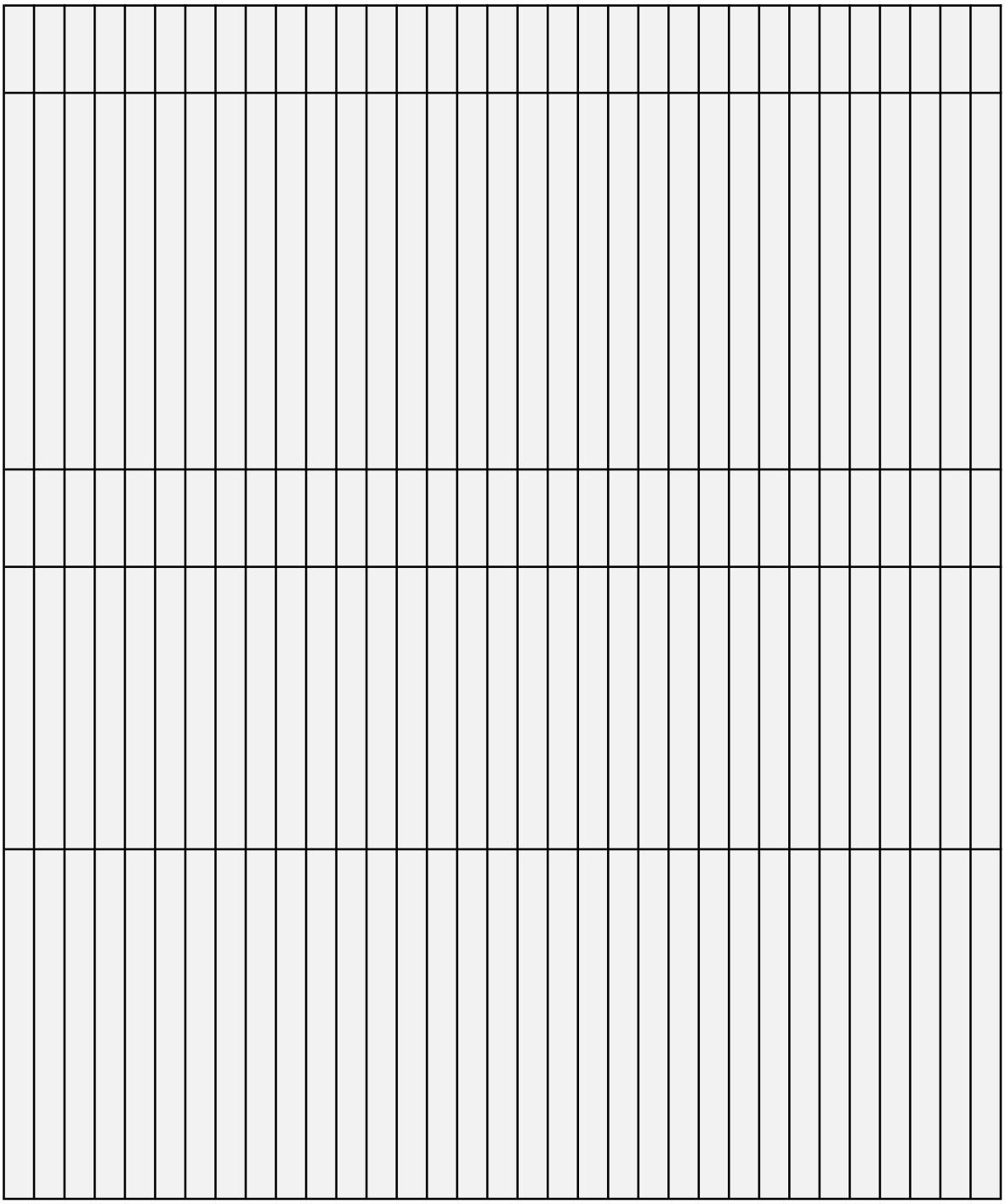
List activity	*Activity type (Routine/Non-routine)*	*Hazard nr*	*Hazard Identification*	*Risk Nr*
List specific activities to be performed taking into consideration the equipment to be used, the personnel involved in the task.	**Indicate R or N** 1. Routine activities and situations create hazards through day-to-day operations and normal work activities; 2. Non-routine activities and situations are occasional or unplanned;	#	Anything with potential to cause of harm. **Note:** A hazard can pose more than one risk.	#

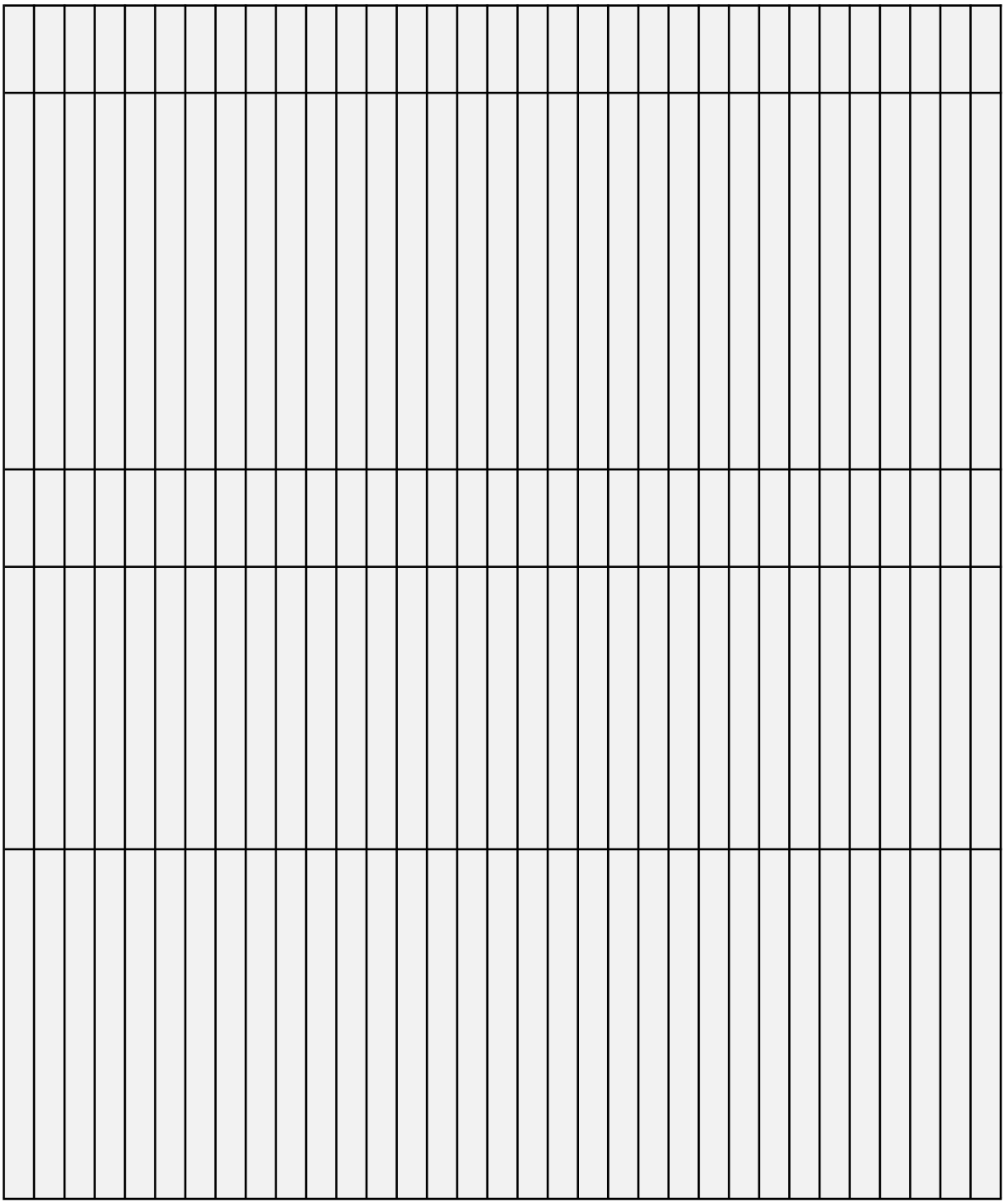
Driving vehicles	R	**1**	Accidents, Passengers. Unroadworthy vehicles.Driver.Roads & weather.Alcohol.Ignore speed limit.Un aware of other vehicles	1
Access to laboratory area	N	**2**	Unauthorized or untrained personnel	2
Equipment shutdown / isolation	N	**3**	Electrical or mechanical hazards	3
Calibration activities	N	**4**	Incorrect calibration settings	4

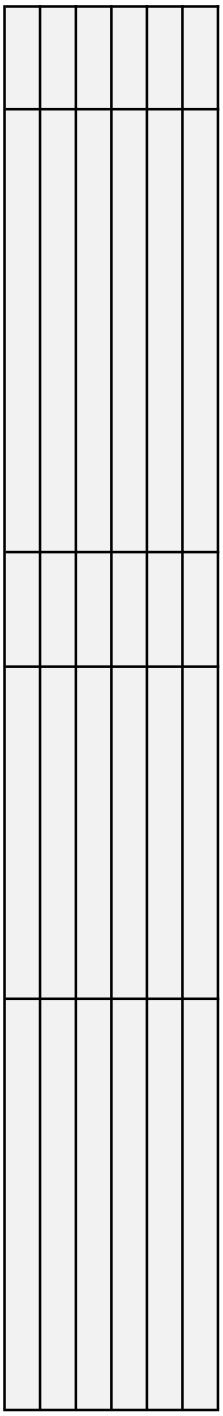
Handling sensitive equipmentEquipment shutdown / isolation	N	**3**	Physical damage or misalignment	3
Post-service equipment use	N	**3**	Equipment returned to service without verification	3









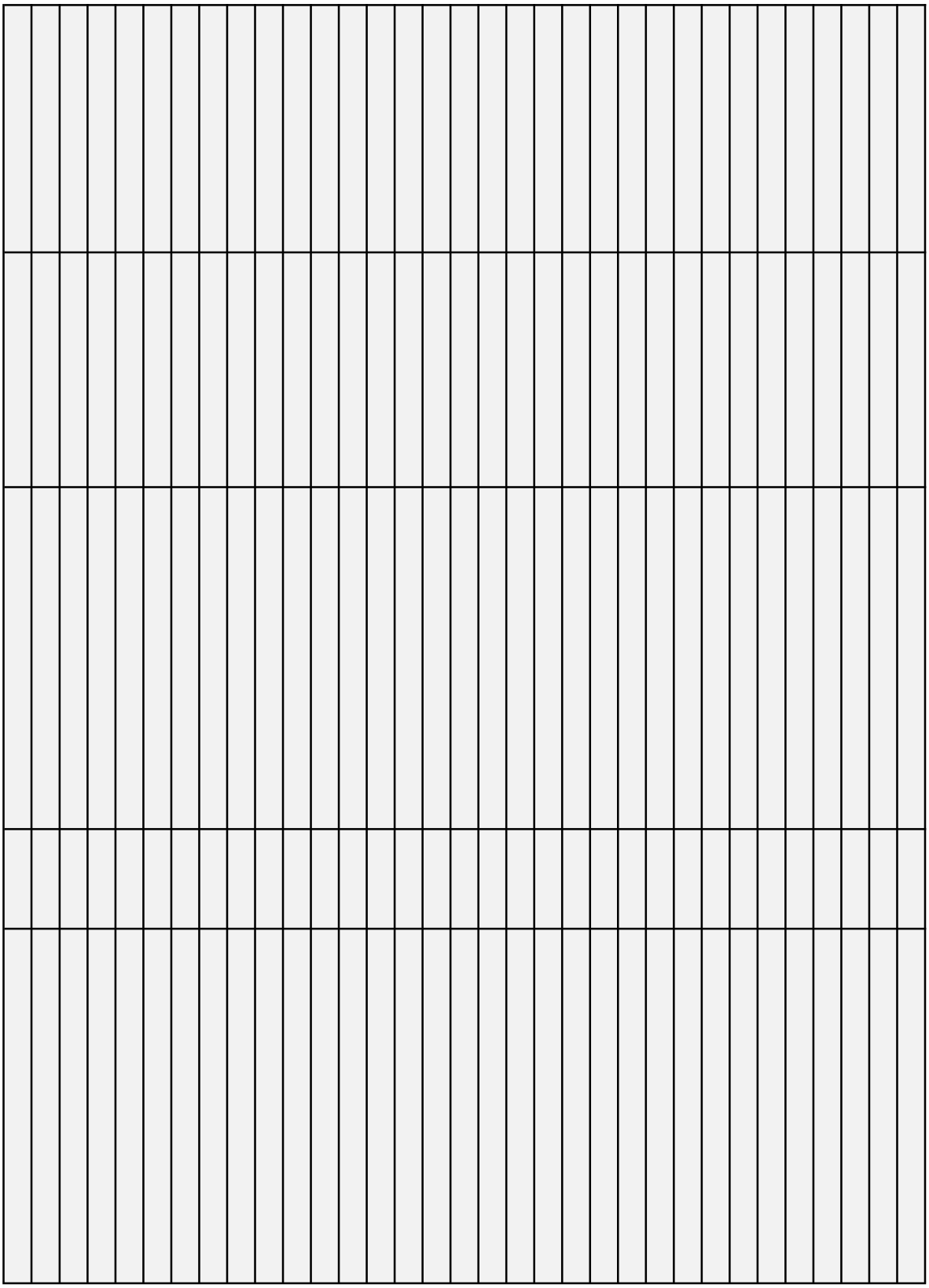


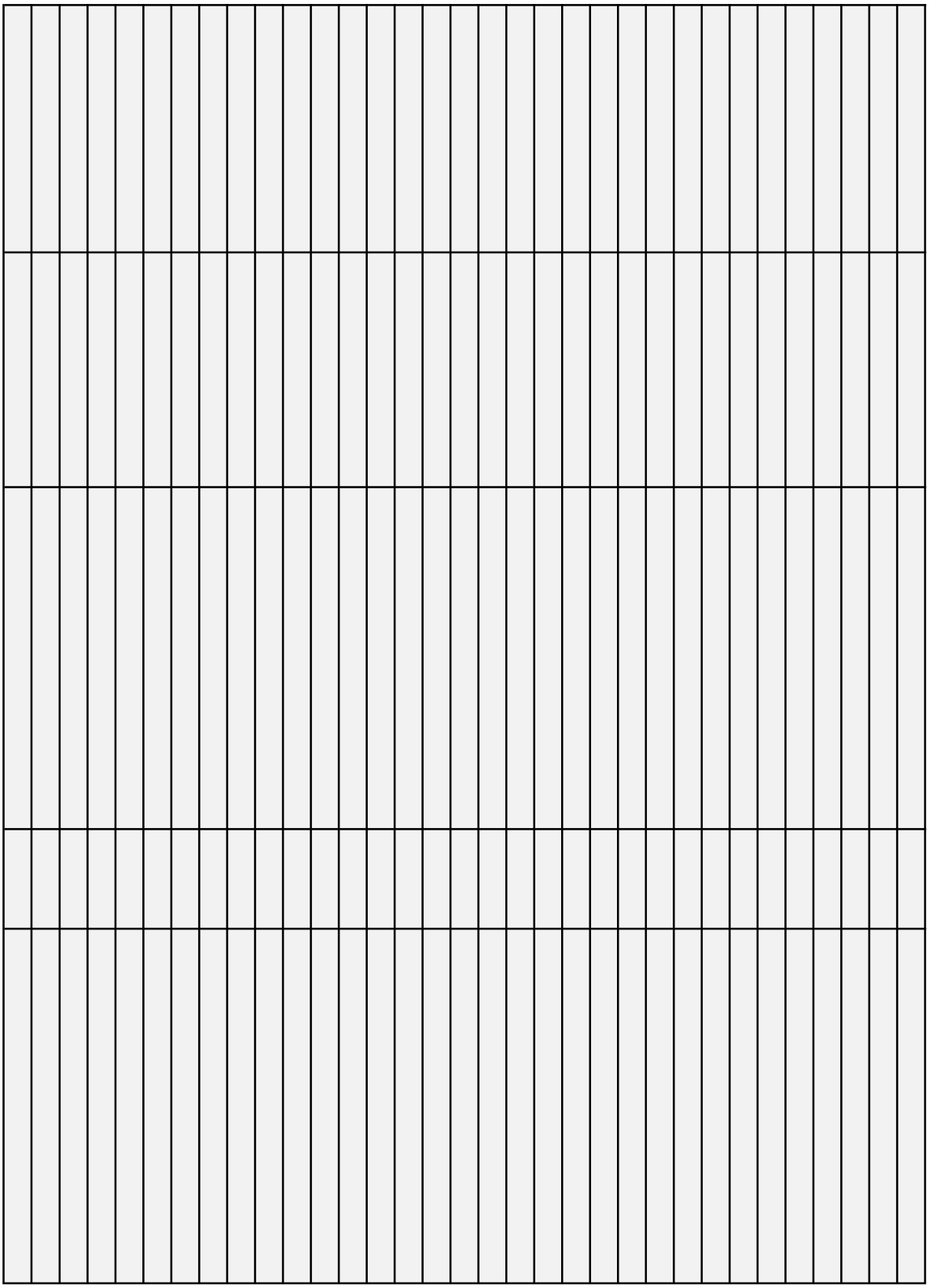
	Department:
	Prepared by:

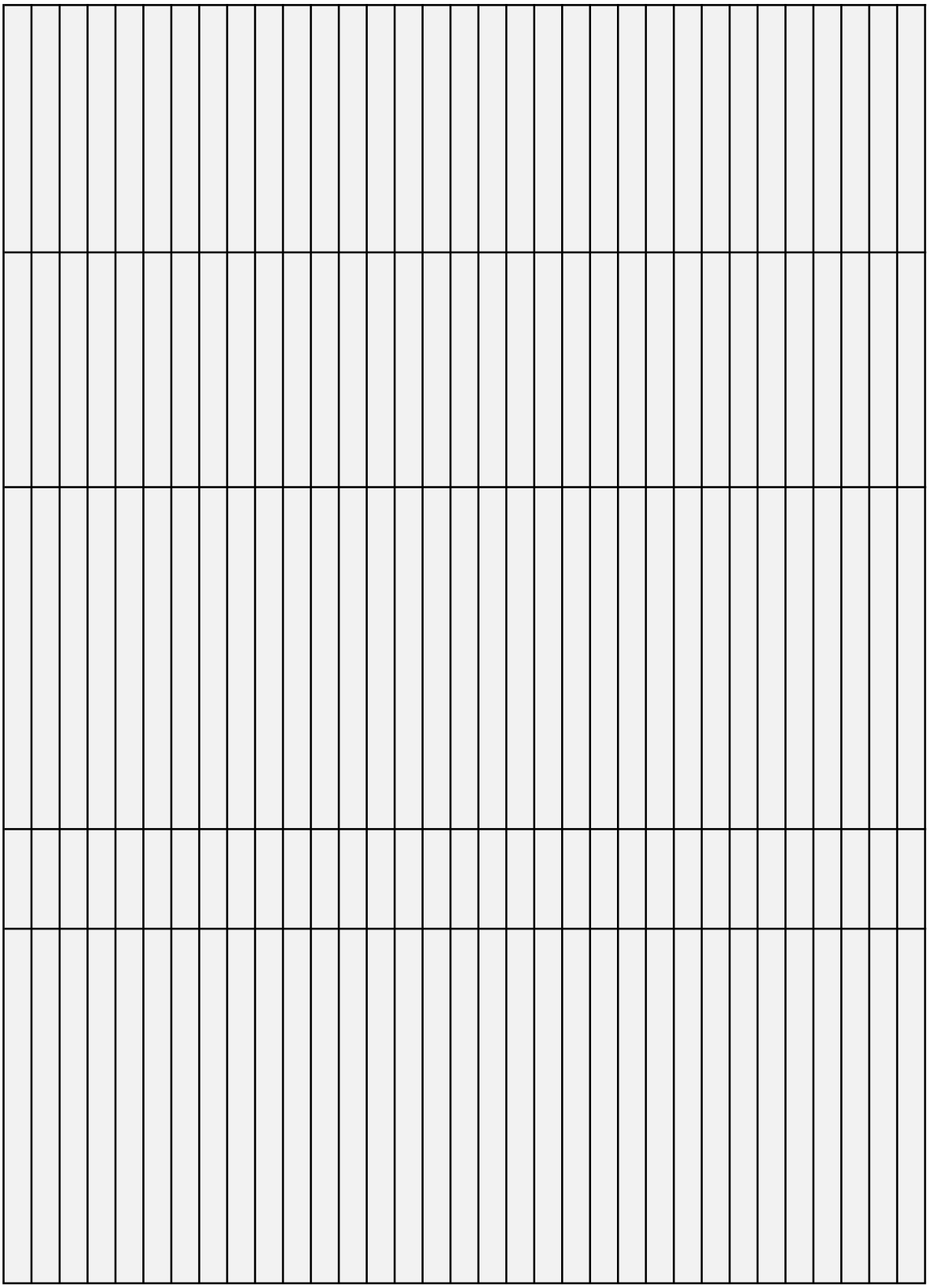
Associated risk	*Risk type*	*Cause(s) of the risk*	*Exposed group/employees*	*Risk Owner*
A chance that injury , ill health or damage could occur as a result of uncontrolled hazard.	Safety or health	What causes the risk to come into effect?	Who is exposed to the hazard i.e. visitors, members of the public, etc.	Who is accountable for making sure the controls and monitors are: - in place, - implemented, - regularly reviewed for effectiveness.

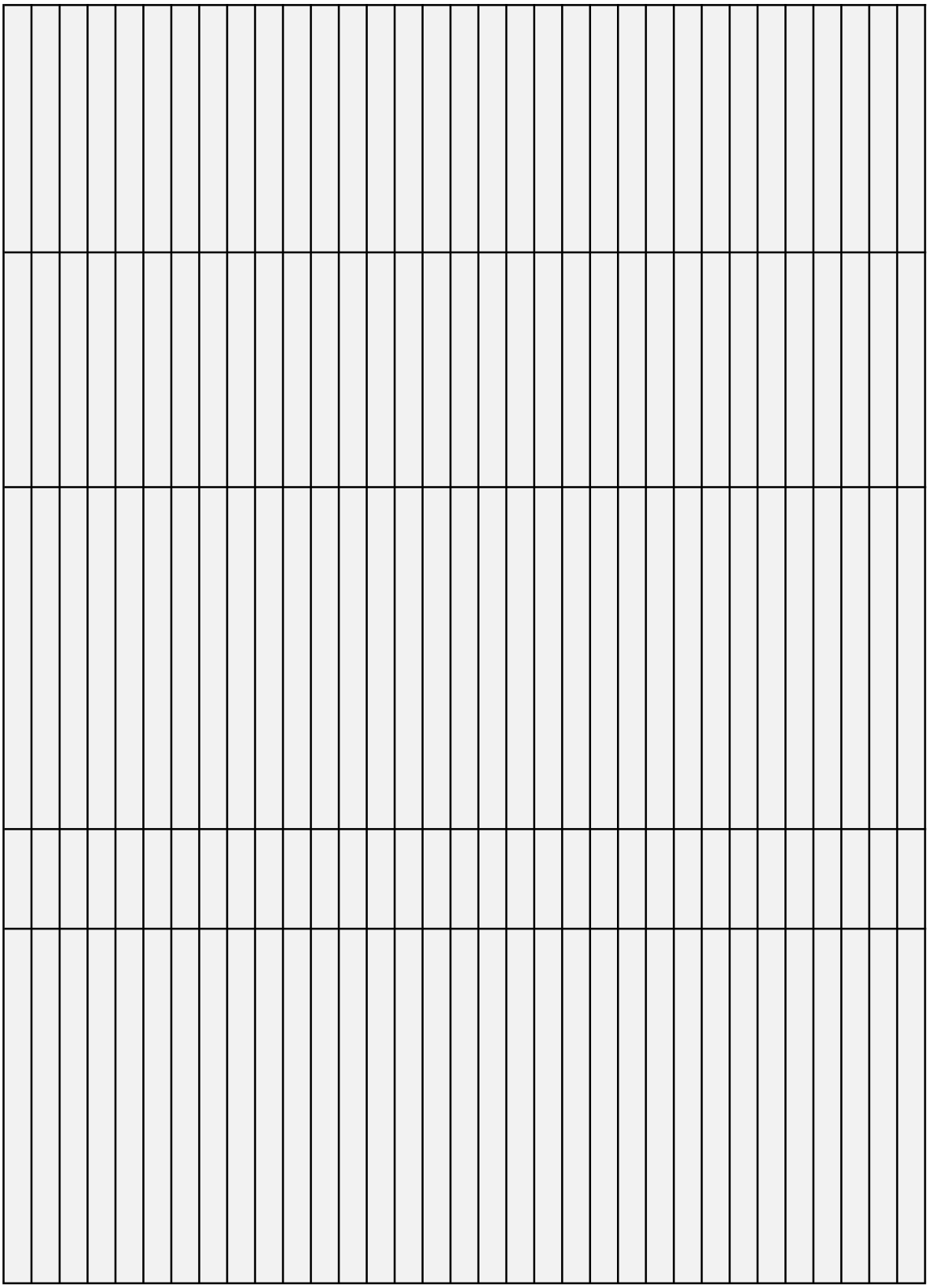
Multiple injuries, fatalities	Safety	Untrained drivers. Not obeying road rules. Intoxicated drivers		
Safety incidents, contamination, regulatory non-compliance	Safety	Inadequate access control; lack of induction		
Injury to personnel; equipment damage	Safety	Failure to isolate power or moving parts		
Inaccurte results; compromised data integrity	Safety	Human error; deviation from SOP; incorrect reference values		

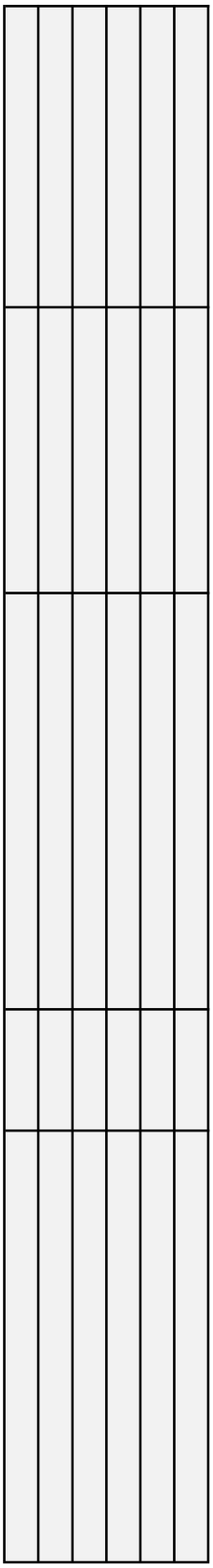
Improper handling; incorrect tools or lifting	Safety	Operational delays; increased costs		
Incomplete review or approval of service results	Safety	Incorrect results; safety or quality risk		











Occupational Health and Safety Baseline risk assessment template

Chemical Services	

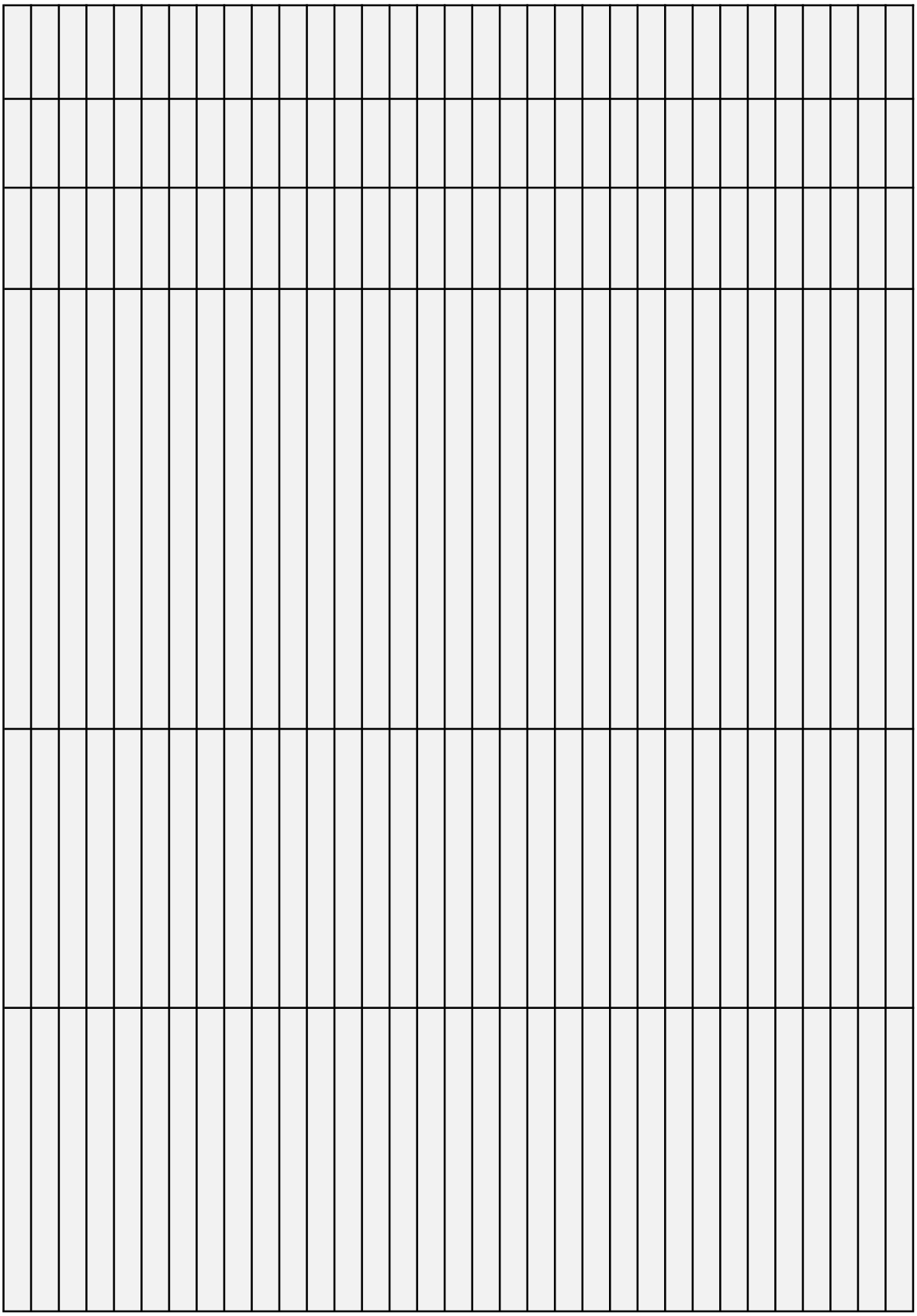
	Authorised by:	Name: Malebo Shotholo
		Designation:Snr Superviso
		Date: 29/01/2026

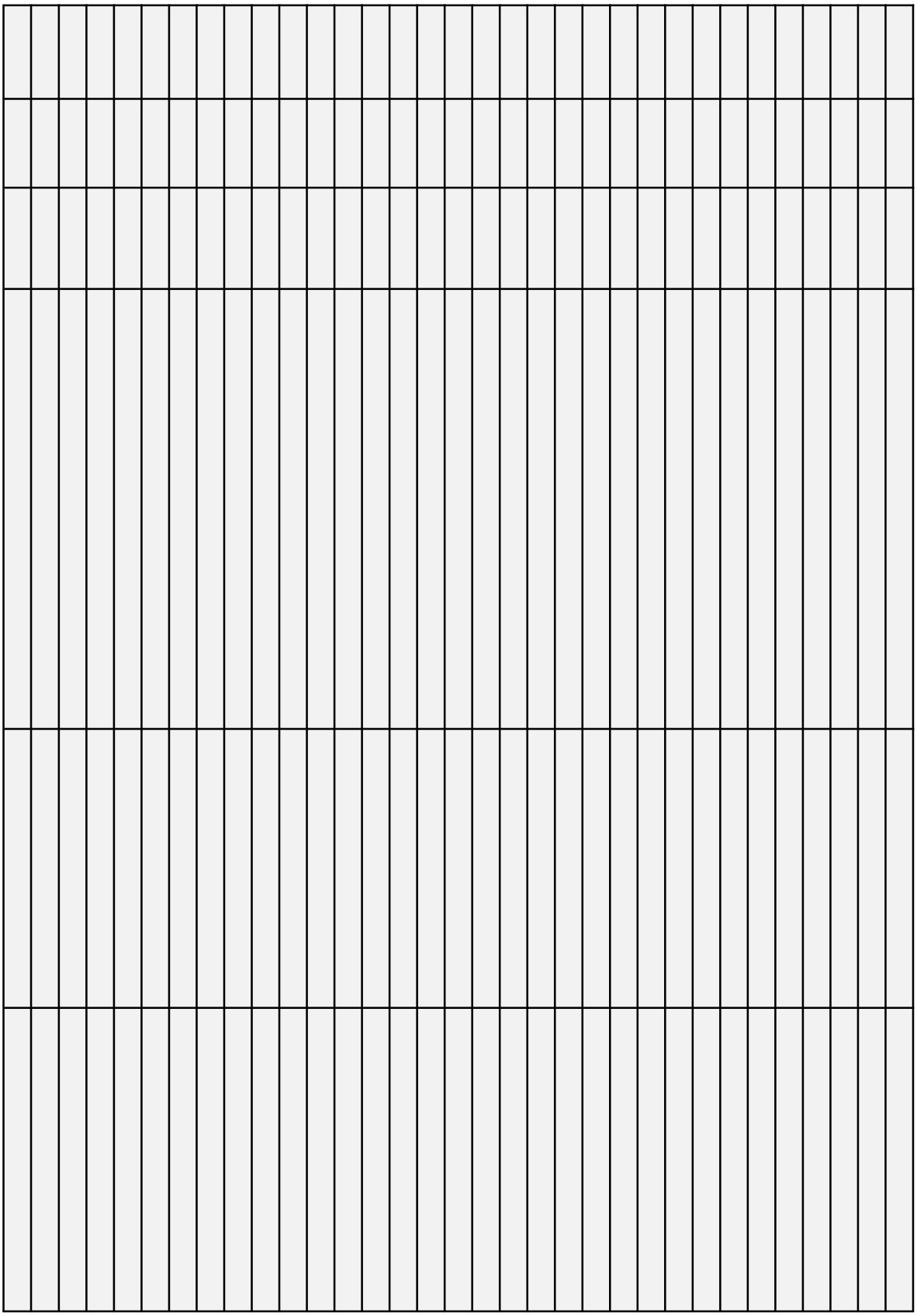
Refer to Occupational Health and Safety Risk assessment procedure 32-520

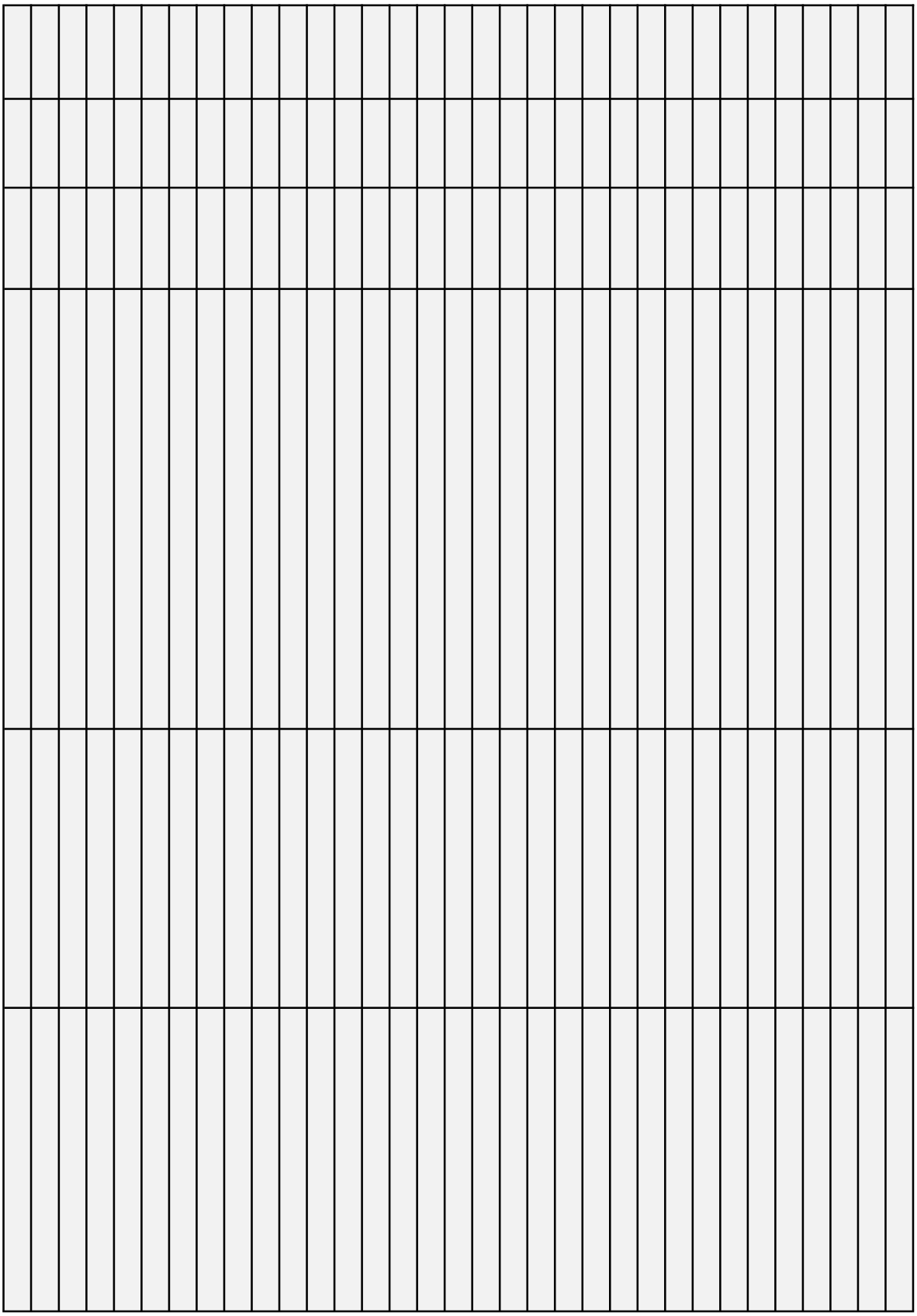
Exposure patterns	***What are the possible consequences?***	***Existing Controls***			**Risk Priority Rating**
The frequency and duration the person/group is exposed to the hazard e.g. Daily for 3 hrs.	Consider the worse case scenario without controls?	Include: - Preventative Controls (controls implemented to eliminate hazards or reduce the likelihood of the risk occurring), and - Reactive Controls (controls implemented to reduce the immediate impact of the risk occurring) **Elimination** **Substitution** **Engineering controls** **Administrative controls** **Personal protective equipment (PPE)**	Consequence	Likelihood	

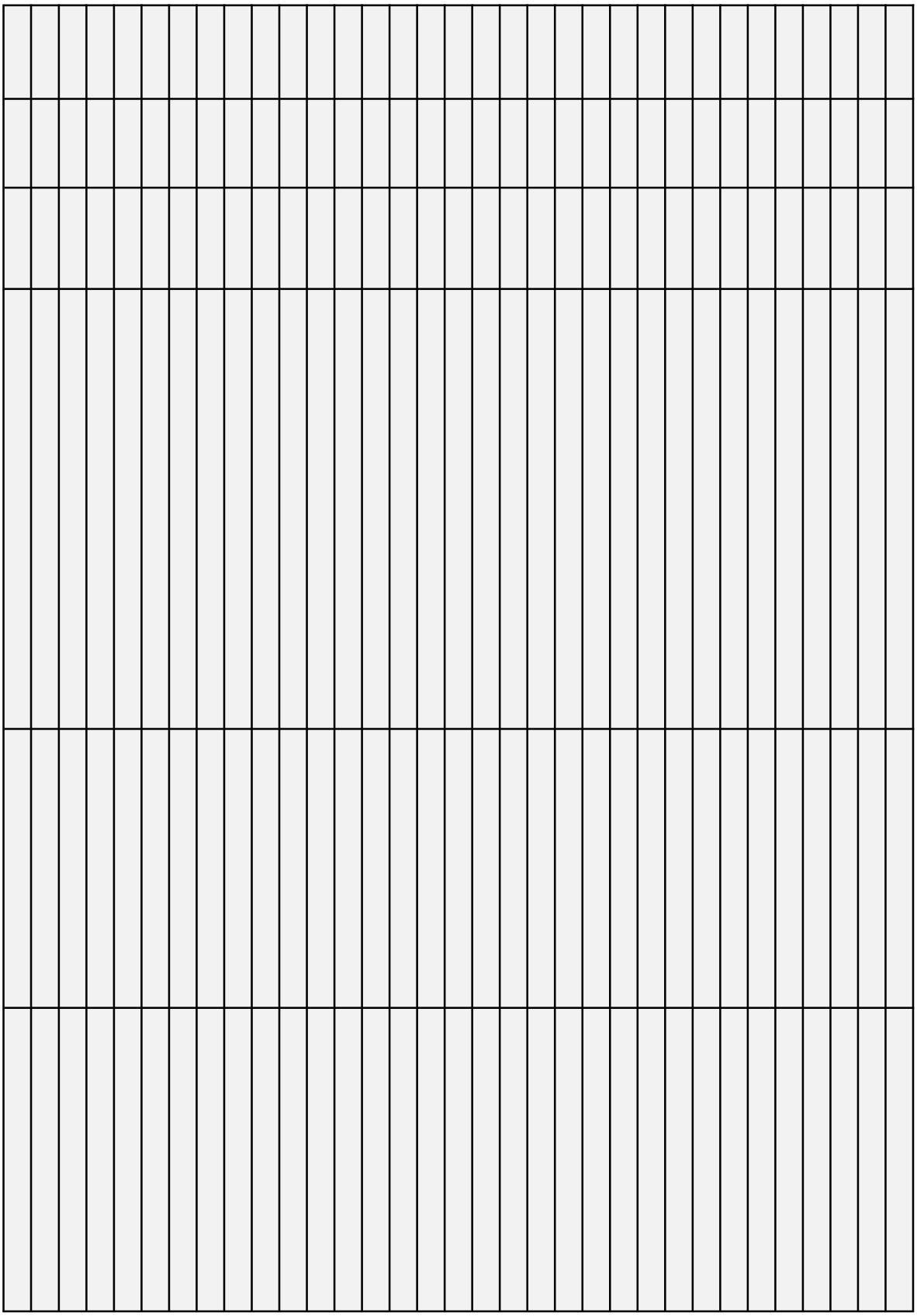
	Injury: Injury, Medical	Trained & licensed drivers .Obey road transport signs & rules.Fit to drive, Sober.Reduce speed.Be alert.Road worthy tests.Maintenance.Daily inspections.Medical fitness	2	B	IV
	Personal injury; contamination of samples or work areas	Access restricted to approved service staff; site induction required	2	B	IV
	Electric shock; mechanical injury; equipment damage	Lock-out/tag-out procedures; power isolation verified	2	B	IV
	Incorrect test results released; invalid measurements	Use of approved SOPs; calibration by qualified personnel; peer review	2	B	IV

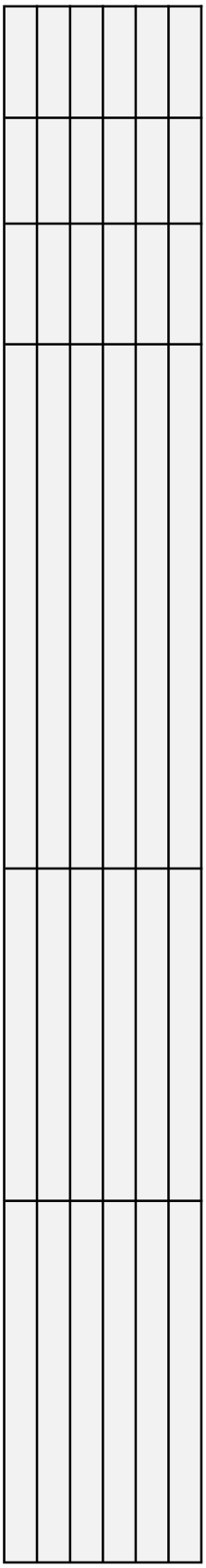
	Equipment malfunction; need for repair or replacement	Manufacturer handling instructions; trained personnel	2	B	IV
	Exposure to hazardous materials; improper waste handling	Disposal per laboratory waste procedures	2	B	IV











	Next Review Date (every 2 years):

r Tech	

	Additional Controls or Tasks Aimed at improving Existing Controls	*Monitoring Mechanisms*	*Control Owner*	*Legal and Other Requirements*
RCE Risk Control Effectiveness	Include: - Preventative Controls (controls implemented to eliminate hazards or reduce the likelihood of the risk occurring), and - Reactive Controls (controls implemented to reduce the immediate impact of the risk occurring) **Elimination** **Substitution** **Engineering controls** **Administrative controls** **Personal protective equipment (PPE)** **NB:** *The risk shall be evaluated, assessed and rated again once additional controls have been implemented and those controls*	How we know if we are succeeding. Include comments on effectiveness. This may include i.e. measurements, inspections, supervision where necessary.	Person allocated the responsibility for implementing the agreed controls (if applicable)	Where relevant, list the relevant legislative and or Eskom requirements that prescribe the control.

Mostly effective		Vehicle inspections. Breathalyzer tests		Environmental Regulations for Workplaces, Eskom 32-95 Environmental, Health and Safety Incident Management Procedure, Arnot Power Station "SHE" Statement, Eskom Life-saving Rules
Mostly effective		Visitor logs; induction records; periodic access audits		Environmental Regulations for Workplaces, Eskom 32-95 Environmental, Health and Safety Incident Management Procedure, Arnot Power Station "SHE" Statement, Eskom Life-saving Rules
Mostly effective		Permit-to-work checks; supervisor verification		Environmental Regulations for Workplaces, Eskom 32-95 Environmental, Health and Safety Incident Management Procedure, Arnot Power Station "SHE" Statement, Eskom
Mostly effective		Review of calibration records; certificate approval by QA/technical authority		Environmental Regulations for Workplaces, Eskom 32-95 Environmental, Health and Safety Incident Management Procedure, Arnot Power Station "SHE" Statement, Eskom Life-saving Rules

Mostly effective		Supervision to ensure PPE is worn at all times		Environmental Regulations for Workplaces, Eskom 32-95 Environmental, Health and Safety Incident Management Procedure, Arnot Power Station "SHE" Statement, Eskom Life-saving Rules
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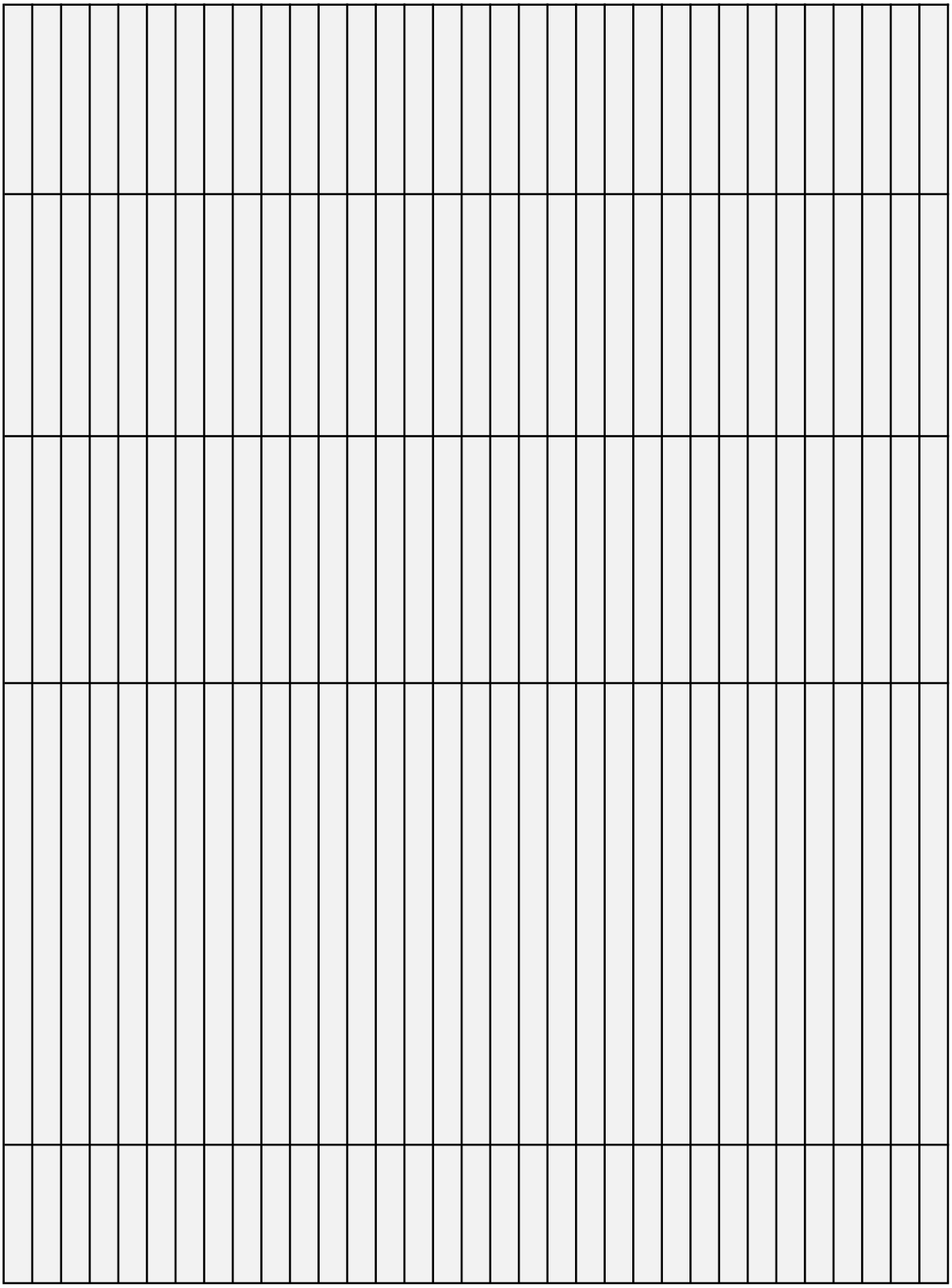

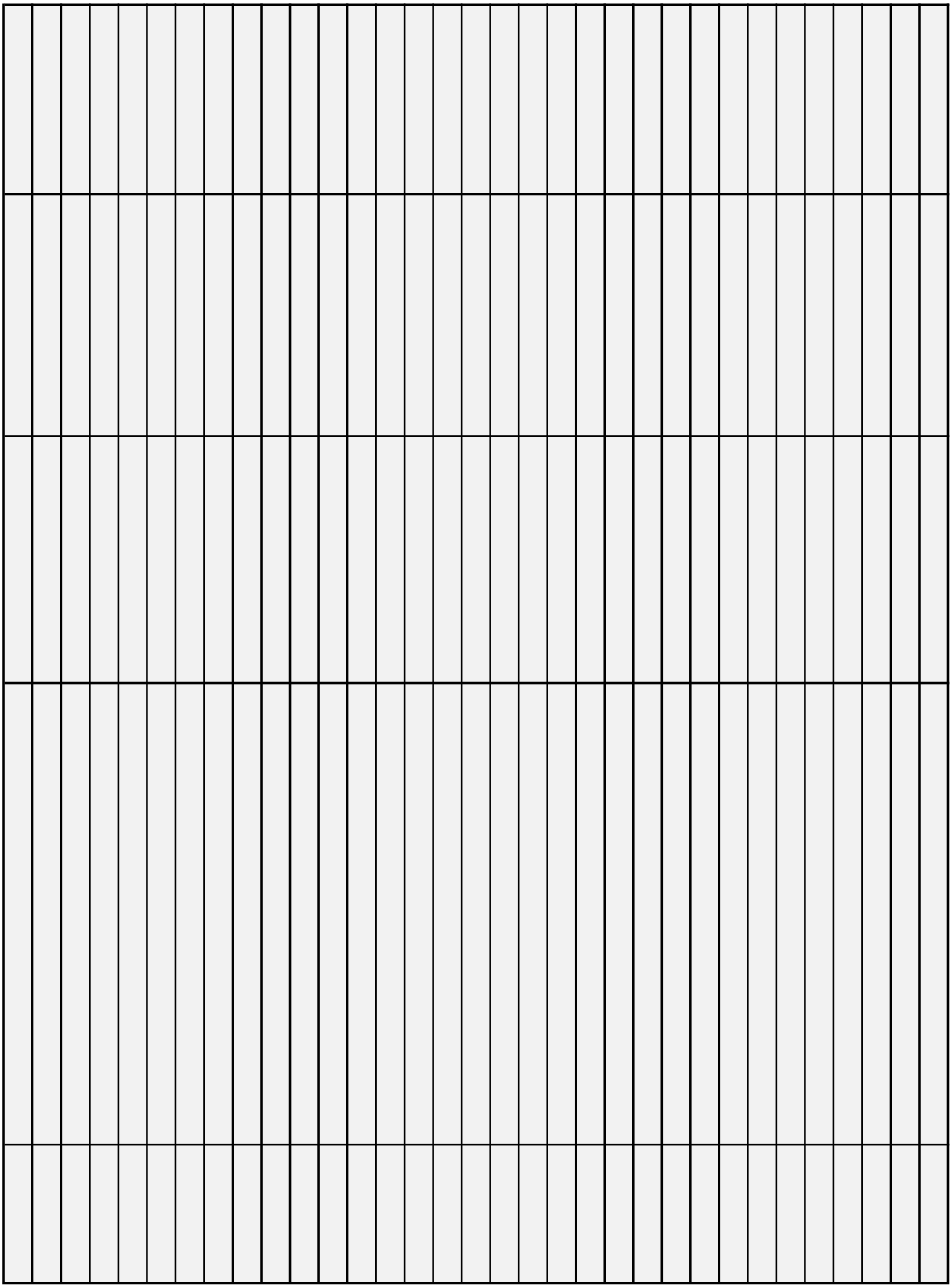

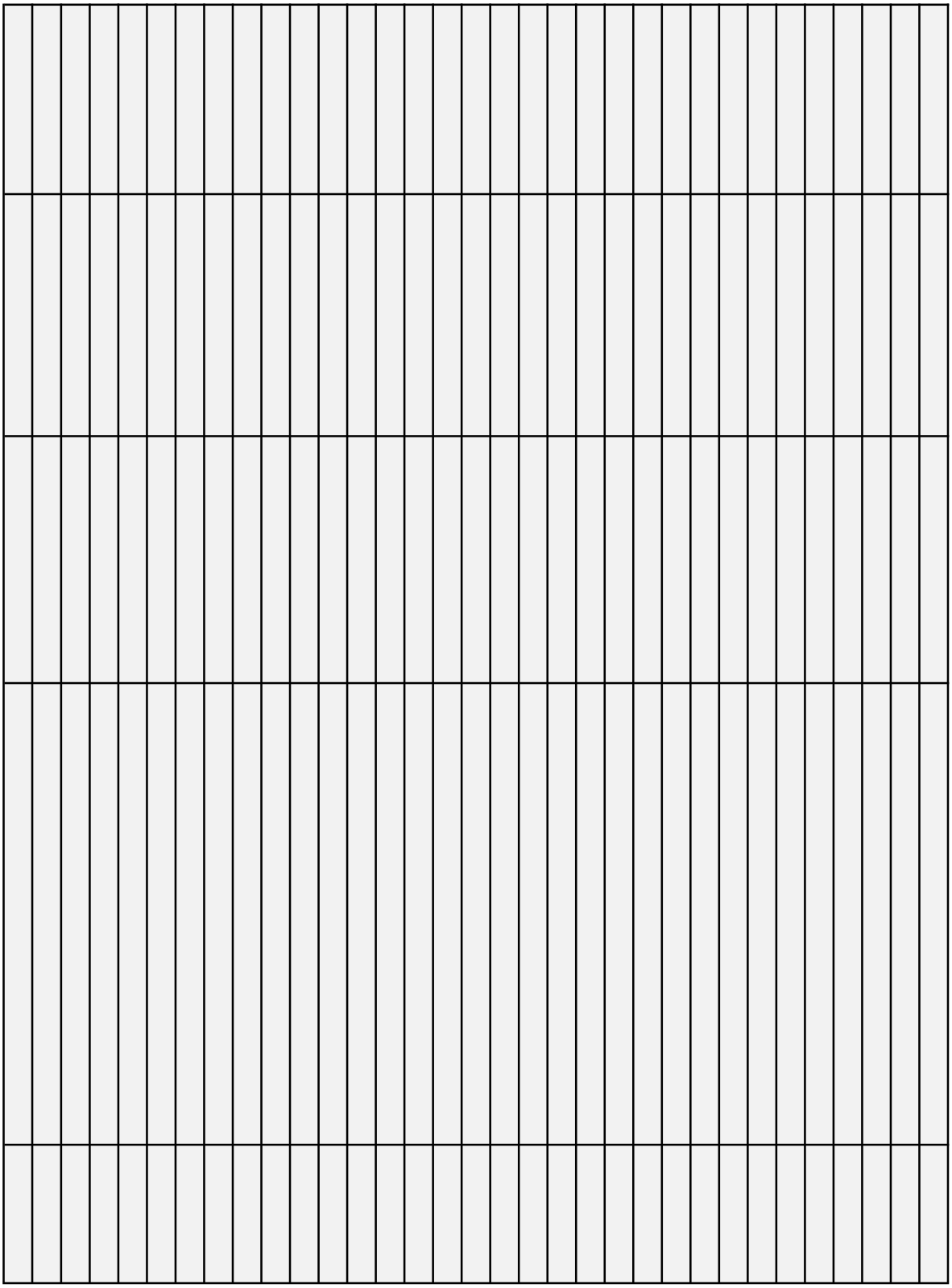

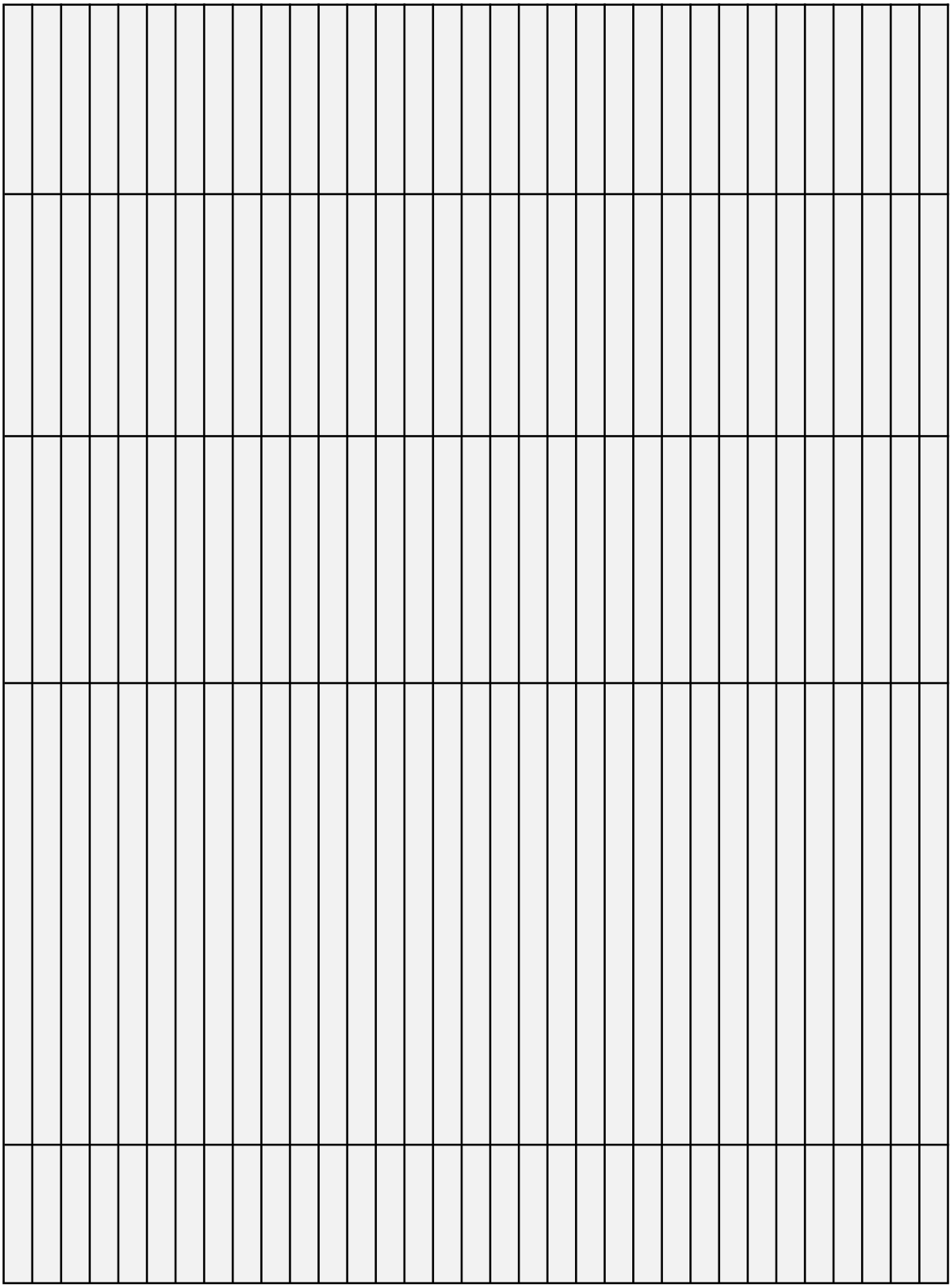

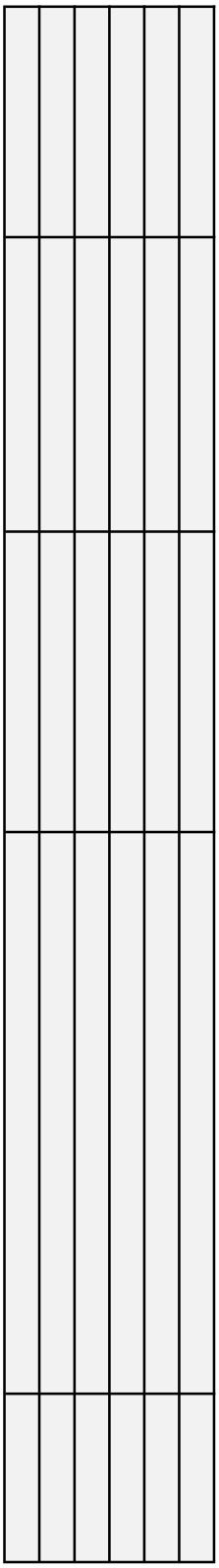

	Template identifier:	**240-70044602**
	Document identifier	
	Revision number:	**5**
	Revision date:	**30-Apr-27**

Target Date	***Current Status***	***Integrated Risk Management (IRM) reference number***
Once a date has been agreed to, this can not be changed (if applicable)	Pending, In Progress, Complete (if applicable)	Where applicable, add IRM system reference number for tracking of treatment actions. *(applicable to risks that have an impact on business objectives or require intervention from Senior or Executive management such as impementing major engineering projects as a control)*