

GATES & AUTOMATION

APPENDIX AFGI RISK ASSESSMENT

OCTOBER 2025

REVISION. 2.03

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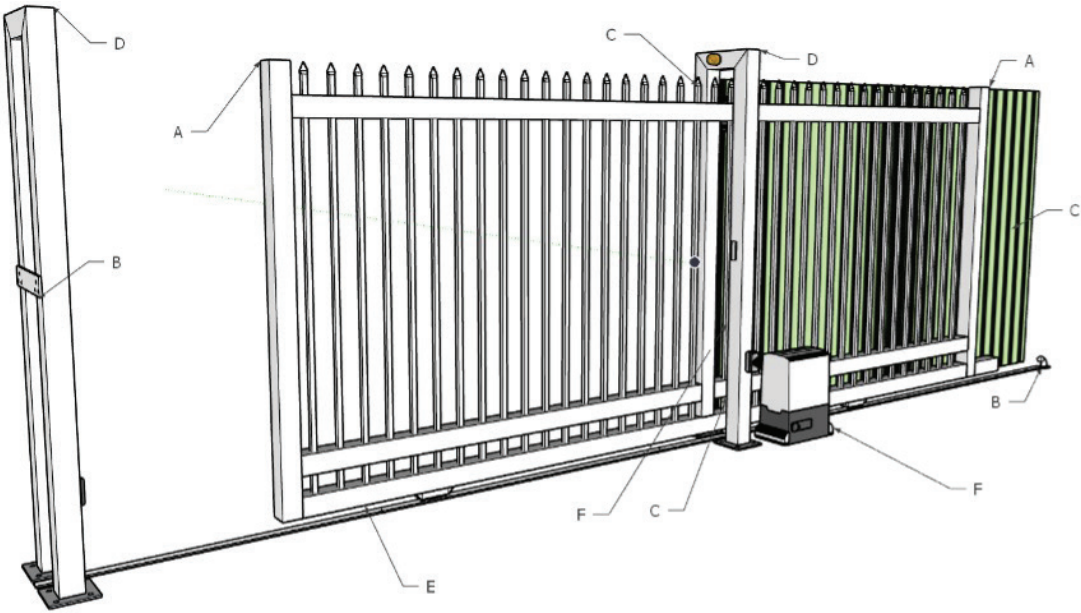
Powered Gates Operational Risk Assessment Record						
Operations/Work Activities covered by this assessment:	POWERED GATES OPERATIONAL RISK ASSESSMENT					
Site Address/Location:	<SITE ADDRESS>		Premises Type:			
Assessment Date:	06/03/2025		Assessor:			
Authorised By:						
Who Might Be Affected (All that interface with the gate must be considered)	Employee ☐	Contractor ☒	Visitor ☒	Pupil ☐	Client ☐	General Public/ Third Party ☐
Gate Type:	<GATE TYPE>					
Gate Structure and Infill:	<STRUCTURE AND INFILL>		Automation Type			
Gate Dimensions:	APPROX 0.0m X 0.0m		Gate Weight:		KG	
Safety Devices Installed:	SINGLE SIDE PHOTOELECTRIC BEAMS		Duty Cycle / Freq of Use			
Operating Trigger / Type of Control (Please select each type if multiple)	Hold To Run (i.e. continuous pressure required - in sight of gate) ☒	Pulse - Visual (i.e. continuous pressure not required – in sight of gate) ☐	Pule - Non-Visual No sight of gate (i.e. long range remote control) ☐	Automatic Operation via non human input (Access control driven timer) ☒		

Gate Risk Identification Guideline

Disclaimer:

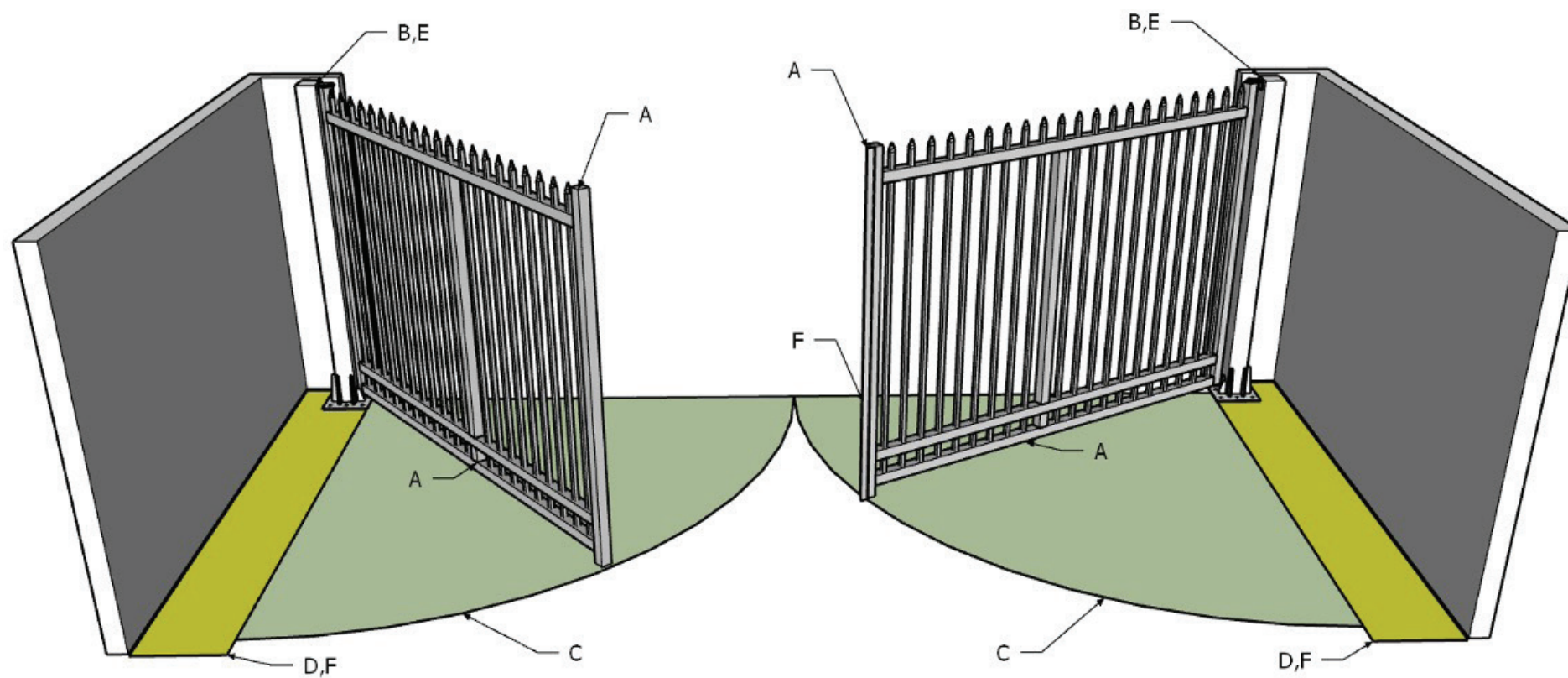
The assessment criteria listed within this Document is not prescriptive, exhaustive or mandatory in performing risk assessments. The information within this documentation is a guide that should be referenced in addition to the advice by relevant state and federal authorities and in accordance with relevant legislation.

Potential Severity of Harm	Major	Medium	High	Catastrophic
	Minor	Low	Medium	High
	Negligible	Low	Low	Medium
		Rare	Possible	Almost Certain
Likelihood of Harm Occurring				

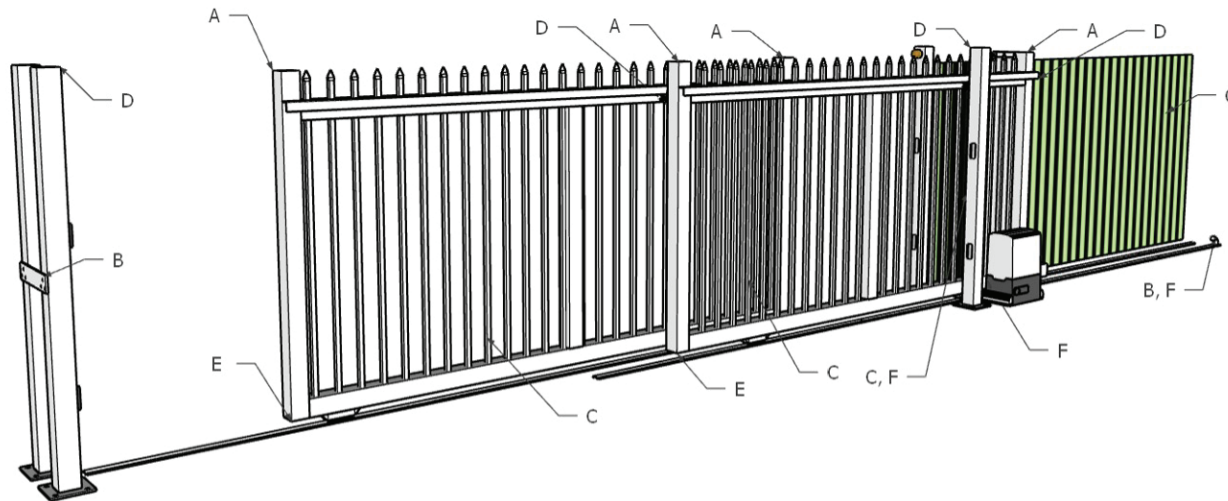


Definitions	
High	Take appropriate action within agreed period
Medium	Monitor & Review Situation
Low	No Action Required

Present Dangers On Installation		Sliding Gate			
A	y/n:	Impact and crushing against the post so A&F	D	y/n:	Support failure
B	y/n:	Gate Travel overrun	E	y/n:	Dragging, hooking
C	y/n:	Shear, entanglement	F	y/n:	Entanglement, crush

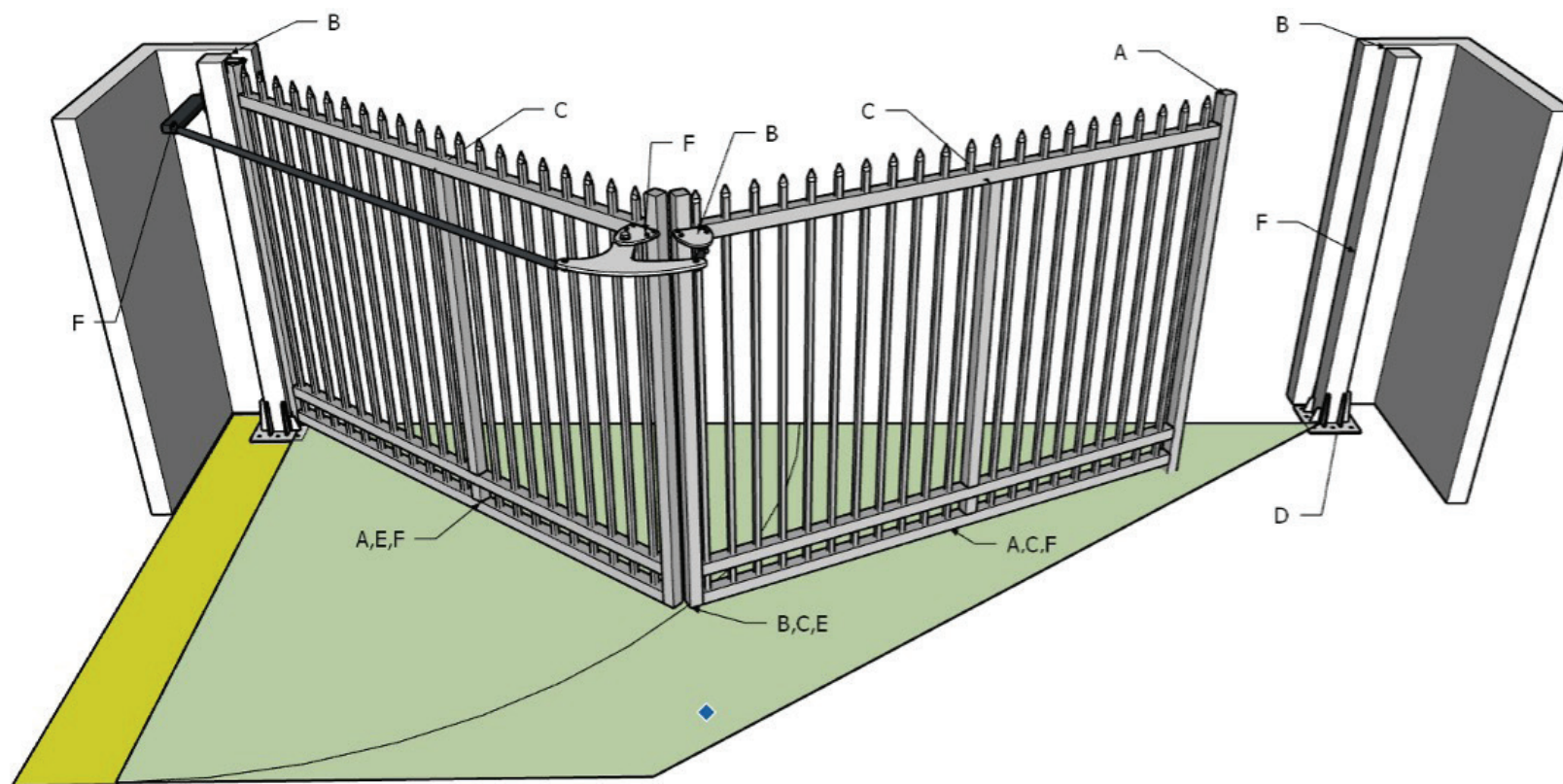


Present Dangers On Installation		Swing Gate			
A	y/n:	Impact and crushing in the closing phase	D	y/n:	Entrapment
B	y/n:	Travel stop overrun	E	y/n:	Leaf support failure
C	y/n:	Dragging, hooking	F	y/n:	Crush and need F at hinge area



Present Dangers On Installation		Bi-Folding Swing Gate			
A	y/n:	Impact	D	y/n:	Crush need to add F to hinge area of gate and between leaves and against the wall
B	y/n:	Support failure, overrun	E	y/n:	Dragging, hooking
C	y/n:	Shear, entanglement	F	y/n:	Entanglement

Present Dangers On Installation		Telescopic Sliding Gate			
A	y/n:	Impact and Crushing	D	y/n:	Support failure
B	y/n:	Travel overrun	E	y/n:	Dragging, hooking
C	y/n:	Shear, entanglement areas	F	y/n:	Crush



Hazards Considered	How Might They Be Harmed	Current Control/Mitigation Measures:	Risk Rating			Action Required/ Action No.
			Likelihood	Severity	Risk Rating	
Failure to adequately design and install powered gates.	Physical injury from crushing, shearing, dragging in, entrapment, uncontrolled collapse, or electrocution from inadequately designed or installed powered gates.	Powered gate is designed by competent designers and compliant with Australian Code of Practice for Gates and Automation. Technical specification and design to industry standards. Installed by competent, trained installers e.g. Undertaken registered training for powered gates. Contractor assessment prior to commencement of work. Specific risk assessments and method statements obtained from the contractor to ensure safe working practices on site, including segregation of third parties from work area. Contractor induction completed and recorded on arrival to site. Commissioning by certified contractors. Post installation safety risk assessment, testing, and safety check completed and recorded by installer. Provision of documented evidence from installer, including: • Installation risk assessment • Declaration of conformity • Technical file • Test certificates • Provision of operating manuals • Maintenance logbooks. Provision of information, instruction, and training for end users.				

Hazards Considered	How Might They Be Harmed	Current Control/Mitigation Measures:	Risk Rating			Action Required/ Action No.
			Likelihood	Severity	Risk Rating	
		If issues / defects are identified equipment is immediately taken out of use until all safety concerns are adequately addressed. Guidance is available from Safe Work Australia: www.safeworkaustralia.gov.au/sites/default/files/2023-12/dec_2023_-_code_of_practice_-_managing_the_risks_of_plant_in_the_workplace.pdf				
Failure to maintain or operate powered gates in a safe manner.	Physical injury from impact with moving / stationary objects, crushing injury, shearing, dragging in and entrapment from moving parts.	Information, instruction, and training provided for end users by installer. Only authorised staff permitted to operate gate controls and manual operation. Regular maintenance and safety checks undertaken routinely in accordance with manufacturer / installer instructions. Documented evidence retained to evidence inspections / maintenance. Provision of proximity sensors and safety devices to protect against trapping, crushing, and sheering. Provision of emergency overrides and emergency operating procedures. Staff received information, instruction, and training for emergency procedures. If issues / defects are identified regarding the gates they are immediately taken out of use until all safety concerns are adequately addressed. Prevent anyone travelling on gate by eradicating handholds and footrests.				

Hazards Considered	How Might They Be Harmed	Current Control/Mitigation Measures:	Risk Rating			Action Required/ Action No.
			Likelihood	Severity	Risk Rating	
Entering and exiting through powered pedestrian and vehicle gates	Physical injury from impact with moving / stationary objects, crushing injury, dragging in and entrapment from moving parts.	Integrated safety features and safety pressure sensors to override in the event of accidental entrapment or impact. Warning and operational signage identifying automatic gate. Provision of emergency overrides and emergency operating procedures. Information, instruction, and training provided for end users by installer. Staff received information, instruction, and training for emergency procedures. Regular maintenance and safety checks undertaken routinely in accordance with manufacturer / installer instructions. Documented evidence retained to evidence inspections / maintenance.				

Hazards Considered	How Might They Be Harmed	Current Control/Mitigation Measures:	Risk Rating			Action Required/ Action No.
			Likelihood	Severity	Risk Rating	
Power, mechanical or software failure of automatic gates, doors, and roller shutters.	Physical injury from impact with moving / stationary objects, crushing injury, dragging in and entrapment from moving parts.	Regular maintenance and safety checks undertaken routinely in accordance with manufacturer / installer instructions. Documented evidence retained to evidence inspections / maintenance. Information, instruction, and training provided for end users by installer. Staff received information, instruction, and training for emergency procedures. Procedures are in place to enable emergency isolation of power, manual override of system and manual operation of the gate. Emergency contact details available for gate engineers. If issues / defects are identified regarding the gates they are immediately taken out of use until all safety concerns are adequately addressed. Installation of safety break to prevent gate falling in the event of a power failure.				

Hazards Considered	How Might They Be Harmed	Current Control/Mitigation Measures:	Risk Rating			Action Required/ Action No.
			Likelihood	Severity	Risk Rating	
Insufficient / unsuitable plans and poor management of emergency situations.	Physical injury from impact with moving / stationary objects, crushing injury, dragging in and entrapment from moving parts. Individuals at risk of injury or ill-health if unable to evacuate site to a safe location e.g. contact with fire, hazardous substances etc.	Documented processes for a variety of emergency situations, including emergency evacuation and lockdown. Include training for staff so everyone is aware rather than rushing to find the process for the release of the gate in the event of an accident. Gates are overridden or locked off as required. This will be either a manual or automatic procedure dependant on the type of gate operating system and requirements identified within the school emergency plan. Individuals with specific roles and responsibilities within the emergency plan are given sufficient information, instruction, and training. Roller shutters and automatic doors integrated with fire alarm must be monitored routinely to ensure operate on sounding of alarm. Record maintained within the fire logbook.				
Additional Notes						

Control Improvements/Developments

Action No.	Recommended additional control measures	Responsibility	Target Date	Date Completed

Reviews:

This assessment should be reviewed at intervals no greater than 12 months or if there are changes to the procedures, personnel, work environment or following an incident

Review Date	Comments/Amendments	Reviewed By	Signature	Review Date	Comments/Amendments	Reviewed By	Signature

Signature of Assessor:	Date:
Signature of Person Authorising:	Date:

The following table should be used for all trained users to sign and date to confirm that the risk assessment has been read.

Print Name	Signature	Date	Print Name	Signature	Date

