CASE STUDY

PHILIP MORANT SCHOOL AND COLLEGE

Setting: Commercial

Type of Gate: Single leaf pedestrian gate. Constructed of box section steel and solid bar. Automation is by a rotational 24 volt motor and arm. Old manual gate that has been upgraded to automatic.

Rationale for gates: To provide security at the main entrance to the school. This is the main pedestrian gate next to the vehicle gates.

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Safety issues identified:

1. Risk of impact and crushing. No internal photocells fitted.

2. Risk of drawing in and crushing. Reducing gap at the hinge area as leaf opens.

3. Risk of impact, crushing and drawing in. No safety edge fitted horizontally to the outside of the gate and existing safety edges do not cover the full length or height of the leaf.

4. Risk of shearing. Gate leaf can be reached through adjacent fence.

5. Risk of impact and crushing. Motor arm encroaches fence line when opening.

6. Risk of crushing. Large gap behind hang post and fence allowing access to motor and hinge area.

Action taken: Our survey results have been given to the management trust responsible for the gates and they are putting the works out to tender.

Risk of impact and crushing

Risk of drawing in and crushing

Risk of impact, crushing and drawing in

Risk of shearing

Risk of impact and crushing

Risk of crushing