CASE STUDY

HOLLAND PARK JUNIOR SCHOOL

Setting: Commercial

Type of Gate: Double leaf swing gates constructed of box section steel and solid bar. Automation is by 24 volt electromechanical rams which have been fitted to the old original manual gates.

Site Details: Gates situated to the side of the main school building.

Rationale for gates: To provide security to the rear of the school and the nursery unit. The gates are used by vehicles for deliveries and also pedestrians for access to the nursery. One leaf is opened by a timeclock for busy pedestrian periods.

Holland Park Junior School Case Study

Safety issues identified:

1. Risk of impact, crushing and drawing in. No horizontal edges fitted to the gate leaves.
2. Risk of impact and crushing. Rams move towards walls on either side as gates open.
3. Risk of shearing. Ram passes control box when gate opens.
4. Risk of drawing in and crushing. Vertical safety edges at hinge positions are not placed to effectively cover the reducing gap.
5. Risk of hooking. Redundant drop bolts, locks and brackets left fitted to gates.

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, crushing and drawing in

Risk of impact and crushing

Risk of shearing

Risk of drawing in and crushing

Risk of hooking