

Sample Double-Sided Maglatch Specification

Ohio Dep't. of Youth Services
Office of Program Activation & Facility Planning
TICO Security Door Project

Locking system shall be MAGLATCH, model # 9042, as manufactured by Securitech Group, Inc., or approved equal. Locking system shall be Fail-Secure on both sides of the door. Locking system shall integrate via power supply with Fire Alarm system. All delayed egress or entry controls are to be contained within the power supply unit.

Lockset shall be a heavy-duty mortise lockset which contains a 3/4" deadlatch.

Exterior or interior unlocking shall be either by a key and depression of the lever handle or through an interface with the fire alarm system, which shall send an impulse to momentarily release the lever handle, allowing it to be depressed and retract the latch during the time period in which the impulse is sent. Lever handles are to relock instantly upon cessation of the impulse.

Remote release of lever handles: To be determined by facility if guard is to have the ability to unlock, momentarily, either side of the door.

Daytime door release: To be determined by facility if certain doors are to be opened during specific hours without signaling alarm.

Employee exiting/re-entry. To be determined by facility if certain doors are to allow a maintenance or staff person to exit and re-enter without signaling an alarm.

An electromagnetic lock, containing 1,200 lb. of holding force shall be installed. The electromagnetic lock shall be de-powered simultaneously with the movement of either lever handle retracting the latch. All switches for the electromagnetic lock shall be contained within the trim units. There is to be no special movement or action required to release the magnet. Each Electromagnet is to contain a door status switch and a bond sensor.

The lever handles shall be fabricated of cast stainless steel and contain a slip-clutch apparatus which will lower without retracting the latch if depressed without insertion of the key or release by the fire alarm system. The trim shall be fastened to steel plates which shall be thru-bolted via security fasteners. The cylinders shall be protected within a hardened steel cylinder protector. All trim units are to receive a sprayed, baked black powder coat finish.

A Handle Stop is to be affixed to the bottom of each lever handle unit and shall protrude outward so as to prevent handle rotation over 180°. All exposed screws are to be tamper-proof.

The electromagnetic lock is to be affixed to the header of the frame. A separate aluminum channel is to be installed which envelopes the electromagnet and protects it against vandalism. The channel is to be affixed to the header with security fasteners.

A Latch Protector shall be mounted to protrude over the edge of the door and cover the latch and strike on all outswinging doors.

Two mortise cylinders shall be provided for the MAGLATCH system. Cylinders are to be determined by the facility. Cloverleaf cams are being installed on the rear of each cylinder, as designated by Securitech.

Power requirements are 24vDC for each lever handle and electromagnet. Each lever handle also contains a switch to be used to signal the power supply unit/controller.

General Notes:

All exposed screws shall be vandal-resistant security fasteners as determined by facility.

INSTALLATION

All hardware shall be installed onto the door prior to arrival at installation location. Every effort is to be made to minimize time required in the field to install the door, lock and other hardware elements.

Strike opening is to be sufficient to accept 3/4" latch without binding.

POWER TRANSFER HINGE

Power from the frame to the door shall be via a mini-electrified hinge, model # ECH-FM-8 as manufactured by Securitech Group, Inc. Hinge shall measure 1-1/2" long and shall contain eight wires which shall pass from one leaf of the hinge to the other through the nylon bearing. The wires are to be concealed at all times.

CUSTOM WIRING

Hinge wires shall extend 2' on frame side and 8' on door side. Magnet wires shall extend 5'. These extensions are to be provided to reduce field splicing.