

Door Hardware Schedule

Best Practices Memorandum

General Recommendations

Doors and frames shall be fire rated as required for the application.

TEECOM recommends against the use of magnetic locks.

Door Alarm Contact Switches (for doors that will receive access control/security devices):

The door/frame manufacturer shall provide one (1) hole in top jamb and one (1) hole in the top of door for door alarm contact switches. The holes shall be 6 inches in from the door's leading edge, shall be aligned, and shall be 1 inch in diameter.

The security contractor shall provide the contact switches and wiring.

Electronic Transfer Hinges:

The door/frame manufacturer shall provide one (1) hole in the frame centered behind the center hinge butt for cable routing and connections to wire pigtails of an electric transfer hinge. The hole shall be 7/8" in diameter.

The door/frame manufacturer shall bore through the door from center hinge to the electrified lockset for lock wiring. The bore shall be 3/8" in diameter.

Provide mechanical key override for all electrified locking hardware.

Power Coordination:

Mortise locks shall operate on 24VDC.

Low-current (less than 1 amp) electric locks shall be powered by a 24VDC central (located in the nearest equipment room/IDF) power supply – the Security Contractor shall provide the power supply.

High-current (greater than 1 amp) electric locks shall be powered by a "local" (at/near the door) power supply provided as part of the hardware specified door hardware group for that door and shall be installed by the Electrical Contractor.

Exterior and interior doors not in the designated path of egress shall come equipped with "fail-secure" lock function.

Door auto-operators should be provided with a card reader interface module and include ADA push plates as part of the door hardware group.

Provided one alarm contact (door status switches) for each leaf of the sliding door, electric lock, and card reader interface module for each automatic sliding door assembly.

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Scope Of Work Responsibilities

1. The Security Contractor shall provide card readers, door alarm contact switches, Request-to-Exit (REX) devices, centrally located low voltage power supplies, and low voltage wire including connections.
2. The Door Contractor shall provide and prep door/frames for door alarm contact switches, electric transfer hinges (ETW), and local high current power supplies.
3. The Electrical Contractor shall provide conduit and back boxes as rough-in for all wiring, security devices, door operators, etc. The Electrical Contractor shall provide 120VAC power for local power supplies and door auto-operators at each designated door.
4. The Electrical Contractor shall provide an interface between the building fire alarm system to the central lock power supply and to the local lock power supply at designated doors.