

# Design Standard – Electronic Access Control System (EACS) and Door Lock-Down

Design Standards ensure that Electronic Access Control System and Door Lock-Down installations, retrofits, replacements, and upgrades maintain system consistency and compatibility – regardless of project timing or funding source. These Standards also support a single system database to avoid redundancy, duplication, and error, facilitate system administrator training and back-up, facilitate service and maintenance, and act as a record document that can be periodically updated to reflect new developments and requirements.

The District has established Stanley WI-Q/Omni Wireless Access Control System as the District Standard for door access and lock-down, and utilizes it at all District campuses and facilities.

- Include electronic door control in the door hardware specification and procure under the door hardware trade. If separate control system sub-contractor, they should be under door hardware vendor/contractor.
  - Installers must be certified in the WI-Q/Omni System
- Provide an Omni wireless access controller installed to control a specific proximity device that will lock down all electronic locks in the building. Provide two of these proximity devices in each building. Locate the proximity devices:
  - One at each end of the building
  - In corridor where easily accessible
  - Within 10' – 20' from the exterior door, but not at the exterior door
- Provide electronically controlled door locks at the following locations:
  - Exterior doors, except emergency exit-only doors with no exterior trim
  - Doors to Smart Classrooms
  - Doors to computer labs
  - Doors to any rooms with wall mounted flat screens
  - Doors to conference rooms
  - Doors to suites of offices
  - Doors to MDF and IDF rooms
  - Doors to Lost & Found or other asset storage areas
  - Doors to common areas where people might congregate such as mail rooms and copy areas
  - Security sensitive areas, as may be approved by the Superintendent President
- Door locks to operate with key, keypad, and proximity device.
- Interior door locks to be Best Dorma Kaba.

- Exterior doors will be on the Omni programmable access system wireless access controller. Provide Precision MLR panic hardware with Best mortised IC lock.
- Portal Gateways:
  - Design should establish redundancy in signal strength
  - Each floor of a building to have its own signal system
  - Prior to installation, provide a survey by Dorma Kaba to confirm locations of portal gateways
  - Following installation, perform another test to verify signal strength to each device complies with design and is adequate
  - Each portal gateway to include two ceiling mount antennas
  - Install two spare drops of Cat6 cable with thirty feet coil above ceiling at each floor for potential future need
- Graphics to emulate format and characteristics of that of the rest of the buildings on campus, and utilize the same terminology.
- Attic Stock: provide two spares of the following:
  - WACs
  - Gateway portals
  - Door locks.

The following doors have access control considerations other than the electronic access control with electrified door hardware:

- Emergency exit only doors shall have no exterior trim (no exterior lockset knobs/lever handles or key cylinders) unless required by SCC or DSA. These doors shall be used for exiting only and should not be used as entry doors into the building.
  - These exit-only doors may be locally alarmed with door prop alarms to indicate that the door has been left open. These locations shall be determined on a project-specific case by case basis.
  - Where door prop alarms are used, hardwire for low-voltage power and support by appropriate signage.