

Part 1 General

1.1 RELATED REQUIREMENTS

- .1 Section 01 33 00 – Submittal Requirements.

1.2 REFERENCES

- .1 CSA International
 - .1 Canadian Electrical Code Part I (23rd Edition), (CSA Standard C22.1-15).

1.3 ACTION AND INFORMATIONAL SUBMITTALS

- .1 Submit in accordance with Section 01 33 00 - Submittal Procedures.
- .2 Product Data:
 - .1 Submit manufacturer's instructions, printed product literature and data sheets for [security door supervision systems] and include product characteristics, performance criteria, physical size, finish and limitations.
- .3 Shop Drawings:
 - .1 Submit drawings stamped and signed by professional engineer registered or licensed in Province of Ontario, Canada.
- .4 Sustainable Design Submittals:
 - .1 Construction Waste Management:
 - .1 Submit project Waste Reduction Work plan highlighting recycling and salvage requirements.

1.4 DELIVERY, STORAGE AND HANDLING

- .1 Deliver, store and handle materials in accordance with Section 01 61 00 - Common Product Requirements.
- .2 Delivery and Acceptance Requirements: deliver materials to site in original factory packaging, labelled with manufacturer's name and address.
- .3 Storage and Handling Requirements:
 - .1 Store materials indoors and in accordance with manufacturer's recommendations in clean, dry, well-ventilated area.
 - .2 Store and protect security door systems from nicks, scratches, and blemishes.
 - .3 Replace defective or damaged materials with new.

Part 2 Products

2.1 DESCRIPTION

- .1 System must be compatible with existing Lenel system.
- .2 System to consist of alarm control panel, motion detectors, intrusion switches and card readers located at door to be supervised.

2.2 MAGNETIC DOOR SWITCHES

- .1 Door switches: suitable for flush mounting on door as indicated.

2.3 TERMINAL CABINETS AND BLOCKS

- .1 Terminal cabinets: Type T. In accordance with Section 26 05 20 – Wire and box connectors.

2.4 END-OF-LINE RESISTORS

- .1 Mount end-of-line resistors to control supervisory current in each circuit, in control panel.

Part 3 Execution

3.1 EXAMINATION

- .1 Verification of Conditions: verify conditions of substrates previously installed under other Sections or Contracts are acceptable for security door system installation in accordance with manufacturer's written instructions.
 - .1 Visually inspect substrate in presence of Departmental Representative.
 - .2 Inform Departmental Representative of unacceptable conditions immediately upon discovery.
 - .3 Proceed with installation only after unacceptable conditions have been remedied and after receipt of written approval to proceed from Departmental Representative.

3.2 INSTALLATION

- .1 Install complete door supervision system as indicated and in accordance with manufacturer's instructions.

3.3 SEQUENCES OF OPERATION

- .1 System operation: when supervised door is opened, zone indicating lamp flashes and operates audible alarm at control panel. When "acknowledge" button is operated, audible signal is silenced and flashing light changes to steady glow.
- .2 System restored to normal when door is closed and "reset" key switch on control panel operated.
- .3 When deactivating switch is operated, supervised door on that zone opened without causing alarm. Zone trouble lamp illuminated when zone is deactivated but audible trouble signal not to sound.
- .4 Fault in wiring of one zone to cause audible signal to sound even if zone in deactivated position.

3.4 SITE TESTS

- .1 Perform tests in accordance with Canadian Electrical Code.
- .2 Test system components in presence of Departmental Representative to ensure correct operation of system. On completion of tests, submit to Departmental Representative certificate listing components tested.

3.5 CLEANING

- .1 Progress Cleaning: clean in accordance with Section 01 74 11 - Cleaning.
 - .1 Leave Work area clean at end of each day.
- .2 Final Cleaning: upon completion remove surplus materials, rubbish, tools and equipment in accordance with Section 01 74 11 - Cleaning.

3.6 PROTECTION

- .1 Protect installed products and components from damage during construction.
- .2 Repair damage to adjacent materials caused by security door system installation.

END OF SECTION