
PART 1 **GENERAL**

1.1 **SECTION INCLUDES**

- .1 General electronic security and safety requirements.

1.2 **REFERENCES**

- .1 This Section covers items common to Sections of Division 28. This section supplements requirements of the General Conditions and Division 26.

1.3 **SYSTEM DESCRIPTION**

- .1 This document defines the cabling system and subsystem components including cable, termination hardware, supporting hardware, and miscellany to install complete Video Surveillance System. It is the responsibility of the Contractor to supply any and all items required for separate and complete systems.
- .2 The Contractor is responsible for providing all necessary hardware, conduit, cabling and ancillaries for the following complete and independent Electronic Safety and Security Systems:
 - .1 Video Surveillance System and Components

1.4 **SUBMITTALS**

- .1 Submit to the Contract Administrator Shop Drawings, product data (including cut sheets and catalog information). Submit Shop Drawings, detailed wiring diagrams, product data, and samples with such promptness and in such sequence as to cause no delay in the Work or in the activities of separate Contractors. The Contract Administrator will indicate approval of Shop Drawings, and product data.
- .2 The Contractor shall submit product data sheets for all systems including Subcontractor manufacturer qualification certificates.

1.5 **QUALITY ASSURANCE**

- .1 The Contractor is required to furnish all labor, supervision, tooling, miscellaneous mounting hardware and consumables for each cabling system installed. The Contractor shall maintain current status with the warranting manufacturer, including all training requirements, for the duration of the project. The Contractor shall staff each installation crew with the appropriate number of trained personnel, in accordance with their manufacturer/warranty contract agreement, to support a 1-Year warranty. After installation, the Contractor shall submit all documentation to support the warranty in accordance with the manufacturer's warranty requirements, and to apply for said warranty on behalf of the City. The warranty will cover the components and labor associated with the repair/replacement of any failed link, within the warranty period.
- .2 Qualifications

- .1 The Contractor shall have a minimum of four on-site factory trained installers for each of the access control and intrusion alarm system.
- .2 The Contractor is responsible to carry out periodic quality control inspections during the conduit and support structure installation. The Contractor shall employ a job superintendent during the course of the installation who shall be responsible for quality control.

PART 2 **PRODUCTS**

N/A

PART 3 **EXECUTION**

3.1 **GENERAL INSTALLATION REQUIREMENTS**

- .1 Installation of Electronic Security and Safety systems are to be installed by the specific Contractors and covered within the provisions of the Contract as authorized by the Contract Administrator.

3.2 **SEPARATION FROM OTHER SYSTEMS**

- .1 Provide the following separation from Electrical Power systems installed in conduits:
 - .1 50mm from circuits of 300V and less.
 - .2 600mm from circuits 300V and higher.
 - .3 2 metres from Circuits between 600V and 15kV.
 - .4 3 metres for circuits above 15kV.
 - .5 Electrical systems cannot share the same conduit system or be racked on the same support structure.

END OF SECTION