
PART 1 **GENERAL**

1.1 **SECTION INCLUDES**

- .1 IP Surveillance Camera Type 1
- .2 IP Surveillance Camera Type 2
- .3 IP Surveillance Camera Type 3
- .4 IP Surveillance Camera Type 4
- .5 IP Surveillance Camera Lens Type 1

1.2 **SYSTEM DESCRIPTION**

- .1 A video surveillance system is an arrangement comprising of a camera and lens with all ancillary equipment required for the surveillance of a specific area.
- .2 The system is required to provide surveillance and monitoring to all areas listed in the Drawings.
- .3 Each component of the system must be non-proprietary and not exclusive to any installing dealer.
- .4 All components must be off the shelf and available through at-least four full service dealers.
- .5 Use all new material and conform to the latest editions of the codes and standards identified above. In case of a conflict or discrepancy, the most stringent requirement applies.

1.3 **SUBMITTALS**

- .1 Refer to Section E2, and E3 for Submittal Procedures.

1.4 **QUALITY ASSURANCE**

- .1 Qualifications
 - .1 Contractor shall have an on-site manufacturer factory trained installer during the course of the installation.
 - .2 A factory trained site superintendent shall be on site for the duration of the installation and testing and all communication shall be through the site superintendent.
 - .3 The site superintendent shall ensure the installation is conducted in a neat and professional manner and ensure the highest level of quality is maintained.

- .4 The Contractor shall visit the site during the pathway installation to ensure the conduit and wiring is installed as per the manufacturer's requirements.
- .2 Pre-Installation Meetings
 - .1 The Contractor shall arrange a meeting 7 business days prior to installation or configuration of devices with the Contract Administrator.
 - .2 All operation modes of the system shall be discussed and approved to the satisfaction of the Contract Administrator.

1.5 WARRANTY

- .1 The system and equipment will be warranted for a period of 1 year from Total Performance of the system. Manufacturer will provide product support for a period of not less than 1 year beyond the warranty period.
- .2 The Contractor will maintain sufficient parts in stock to preplace items found faulty during the warranty period.
 - .1 Refer to Part D Supplemental Conditions for the warranty conditions for the project.

PART 2 PRODUCTS

2.1 VIDEO SURVEILLANCE CAMERAS AND LENSES

- .1 Refer to Section E4 for video surveillance cameras and lenses applicable to the project.

PART 3 EXECUTION

3.1 GENERAL INSTALLATION REQUIREMENTS

- .1 Primary/Secondary colour for Video Surveillance Systems: Green/Black.
- .2 Label all conduits, cabinets, and pull boxes.
- .3 Provide all necessary interconnections, services, and adjustments required for a complete and operable Video Surveillance System.
- .4 All system components shall be fully integrated in the system.
- .5 Install control signal, communications, and line grounding as necessary to preclude ground loops, noise, and surges from adversely affecting systems operations.
- .6 Provide all necessary domes, housings, or pre-manufactured brackets to complete installation.
- .7 Upon Final Acceptance, the Contractor shall not remove or retain copies of any site specific data and passwords.

- .8 The Contractor shall turn over all keys, codes, and authorization medium to the Contract Administrator upon completion of the project.
- .9 Use Cat 6 cable to connect all devices as recommended by the manufacturer of the hardware.
- .10 Contractor to provide redline as-built Drawings, as described in E3.

3.2 SITE VERIFICATION OF CONDITIONS

- .1 Contractor shall visit site to review connection to existing infrastructure, all equipment shall be rack mounted.
- .2 Contractor shall include all programming necessary to integrate all devices into any existing system.
- .3 Configure devices to ensure all requirements and password groups required by the Contract Administrator are addressed.

3.3 SEQUENCE OF OPERATIONS

- .1 Configuration of the system shall be in consultation with the Contract Administrator and how each device is displayed or alarmed including scheduling, the Contractor shall program the system to meet the criteria requested by the Contract Administrator.

END OF SECTION