
Special Provision to Special Specification 6008

Intelligent Transportation System (ITS) Ground Mounted Cabinet



Special Specification 6008, "Intelligent Transportation System (ITS) Ground Mounted Cabinet," is amended with respect to the clauses cited below. No other clauses or requirements of this Item are waived or changed.

Section 3.1.1. is voided and replaced by the following:

- 3.1.1. **Door.** Provide sturdy and torsionally rigid cabinet doors that overlap and substantially cover the full area of the front of the cabinet. Attach cabinet doors by a minimum of 3 heavy duty hinges or full-length hinge. Provide stainless steel hinge pins that are tamper resistant and unable to be removed with common hand tools. Hinge fasteners should not be externally visible or be a tamper resistant design.

Fabricate the doors and hinges to withstand a 100 lb. per vertical ft. force applied to the outer edge of the door when open without permanent deformation or impairment of the door or cabinet body when the load is removed.

Fit the cabinet doors with intelligent cabinet lock and aluminum or chrome plated handle with at least a 3/8 in. drive pin and a 3-point latch. Design the lock and latch so that the handle cannot be released until the lock is released. Provide a padlock of the type directed. Provide a locking ring for a padlock. Provide 2 intelligent keys for the door and 2 keys for the padlocks with each cabinet. Locate the lock clear of the arc of the handle. Keys must be removable in the locked position only. Mount locks with 2 stainless steel machine screws. Provide cabinet doors with a catch mechanism to hold the door open at 3 positions: 90°, 120°, and 160°.

Provide intelligent cabinet lock or cylinder that requires no wiring or external power and made of stainless steel. Provide intelligent keys that are water resistant, stores lock cylinders, and audit events, customizable and Bluetooth capable. Provide any necessary means to program keys such as hardware and software. Software used should not have a recurring subscription fee.

Fabricate the door and door stop mechanism to withstand a simulated wind load of 5 lb. per sq. ft. applied to both inside and outside surfaces without failure, permanent deformation, or compromising of door position.

Provide cabinets without auxiliary police doors. Provide a gasket to act as a permanent and weather resistant seal at the cabinet door facing. The gasket material must be of a non-absorbent material and maintain its resiliency after long term exposure to the outdoor environment.

Provide a gasket with a minimum thickness of 0.25 in. Locate the gasket in a channel provided for this purpose either on the cabinet or on the door. An "L" bracket is acceptable instead of this channel if the gasket is fitted snugly against the bracket to ensure a uniformly dust and weather-resistant seal around the entire door facing.

- 3.1.2. **Camera.** Provide a high-definition, infrared, and vandal resistant fisheye fixed dome camera. The specified product should be a high-performance camera equipped to be installed inside the cabinet. The camera should have a minimum of 12-megapixel. The camera should achieve high-definition recordings with a minimum resolution of 4000 X 3000 pixels.

The camera should include an ultra-wide-angle lens that enables a 360° panoramic view for coverage of the surveillance area, with support for H.265, H.264, and MJPEG video formats. The camera should embed infrared light with a 360° fill-in light capability for enhanced visibility in low-light environments.

The camera should be equipped with a built-in microphone and speaker, enabling two-way talk support. The camera should support a micro SD card. The camera should support SMTP for email notifications. The camera should have a motion detection for normal alarms and intrusion detection alarm triggers. The setting should trigger actions for recording and sending emails for each alarm type. The camera should have a web service that can be accessed from an IP address.

The camera should be designed to be vandal resistance, ensuring its durability and protection against physical impact. The camera should be weatherproof, suitable for outdoor installations, and capable of enduring harsh environmental conditions.