



- .10 The alarm panel must include all accessories such as gutters pierced for the passage of F1.5X2LG6 type PANDUIT cable, mounting rails TS35 WEIDMULLER, conduits and connectors must be included. The components needed for grounding and the heat dissipation must also be provided.
- .11 The housing must integrate the intrusion alarm panel, expansion modules, relay and power modules, communication modules and other accessories such as CA38A switch, a surface box 2 RJ45 ports for IP communication intrusion alarm panel and the gatekeepers when applicable.
- .12 The panel must be provided with support batteries that can provide a range of at least 8 hours during a power failure. The calculation of the back-up time should be taking into consideration the most demanding consumer conditions. In any case, a battery model should be less than capacity support 7A / h.
- .13 Allows monitoring of entry points with double end of line resistors.
- .14 Is equipped with an auxiliary power output 500mA @ 12VCC.
- .15 Allows the supervision DURING an AC power failure, low battery signal, a failure of the communication link, an auxiliary power failure, etc..
- .16 Auxiliary power modules must be supervised by data link with the main panel of the SAI.
- .17 Non-volatile memory.
- .18 Enables Auto-arm.
- .19 Include modules to power and supervise motion sensors , and relays the access control system to provide the information recessed magnetic.
- .20 The door of the housing must be equipped with an anti- tamper contact and a key lock (two (2) keys per box and use the same key for all boxes).
- .21 Include the supervision of the fire alarm panel (trouble signal and alarm).

2.20



(PTAV) WORKSTATION (ACCESS/VIDEO)

- .1 The workstation must allow operator access control and video surveillance software (*See PTV section 28 23 00*).
- .2 The workstation must be from a reputable manufacturer such as Dell, Compaq, Lenovo or HP. The specifications are minimal and should be adjusted upwards based on the maximum recommended by the manufacturer of the access and video surveillance software depending on the solution proposed.
- .3 The workstation must meet the following criteria:
 - .1 ~~Housing for mounting in an equipment rack with rail and cable holder~~ **Tower enclosure.**
 - .2 Intel Core Processor i7-2600 3,4 GHz.
 - .3 8GB Memory: 2 modules 4GB PC3-10666 DDR3-1333 MHz.
 - .4 120 Go SSD Hard Drive.
 - .5 Video Card to control four (4) screens (model: NVIDIA Quadro NVS, 512 Mo).
 - .6 Recorder Combo DVD/CD.
 - .7 Windows Operating System in French, providing the most recent version that works with the proposed software.





- .8 USB keyboard and mouse, ambidextrous mouse, optical , two (2) buttons and scroll.
- ~~.9 Three (3) LCD flat panel monitors of 558.8 mm diagonal 16: 9.~~
- .10 A set of speakers.
- .11 A card reader for programming access cards.
- .12 Documentation in French.



- .4 ***Accessories for security office workstation:***
 - .1 ***Commercial quality laser printer for report printing. Monochrome, minimum 200 sheet drawer, double sided printing.***
 - .2 ***Color printer for access card printing compatible with card supplied.***
 - .3 ***Photo station including reflex type digital camera and white canvas with support.***
 - .4 ***All required software for aforementioned accessories.***
- .5 Specifications must be enhanced if the requirements of the manufacturing or access controller software are superior.

2.21 (RC) SWITCH RELAY FOR DOOR OPERATOR

- .1 The Contractor shall provide a 120V intermediate relay suitable for the operator to control the latter, for the activation of access allowed a card holder who has privileges to enable the operator.

2.22 (SA) SIREN ALARM

- .1 The alarm siren must be the Honeywell model WAVE2 or equivalent. It has but is not limited to the following:
 - .1 Loudness 106 dB two-tone.
 - .2 Low voltage operation: 6-14 VCC.

2.23 (SE) ELECTRIC LOCKSET

- .1 Electric lock is provided in Division 08 – Openings and Closures.
- .2 Electric lock has but is not limited to the following:
 - .1 Lock Mode "Fail Secure".
 - .2 Request to exit detection and integrated latch projection supervision.
 - .3 Operation under low voltage: 24 VCC.

2.24 (SERVA) PRIMARY AND BACKUP ACCESS SERVER

- .1 Minimum Features of the Access Server.
 - .1 In the event of partial or total failure of the server, continuity should be ensured through proper configuration to no data loss.
- .2 The server must be from a reputable manufacturer such as Dell, Compaq, Lenovo or HP. The specifications are minimal and should be adjusted upwards based on the maximum recommended by the manufacturer of the access and video surveillance software depending on the solution proposed: