

CARD ACCESS SECURITY SYSTEM

I. SCOPE OF WORK:

- A. Work shall consist of providing all materials, labor, supervision, tools, equipment, and incidentals necessary to furnish, install, and render operational a card access security system for the Zincke Building (State Office Building No. 8) of the Department of General Services, Bureau of Facilities Management, 203 Governor Street, Richmond, Virginia 23219.
- B. The work shall consist of a personal computer (PC) based card access system with electromagnetic door locking and card readers at two after hours entrances (After Hours Employee Entrance & After Hours Janitorial Workers Entrance).
- C. The Contractor shall plan and coordinate the performance of the work with the Agency's Representative, A. Vann Allen at (804) 692-0677, to minimize disruption of Agency personnel and to complete work in an orderly and expeditious manner. The Contractor shall notify the Agency's Representative at least three working days before beginning work.
- D. A Door Detail Drawing is included in this Attachment.
- E. All materials, equipment, and installation work shall meet these specifications, the Americans with Disabilities Act (ADA), the Virginia OSHA Standards, and the Virginia Uniform Statewide Building Codes.
- F. The Agency will provide a PC based on the Contractor's recommendations and will provide for all 120 VAC power to the local power panels from the power company source, as required for each location, with appropriate breaker/disconnects at the power panel locations. The Contractor shall provide all 120 VAC power from the local power panels to installed equipment, as required.
- G. Upon award of the Contract and before commencing any work, a preinstallation conference shall be held. Those attending shall include the Agency's Representative, the Contractor's Representative, and any Sub-Contractor's Representative.
- H. Work shall be performed by qualified technicians who are employees of the Contractor and familiar with the specific equipment. They shall be fully supervised by a qualified full-time job foreman. The Contractor shall be responsible for initiating, maintaining, and supervising all safety precautions and programs in connection with the work.
- I. The Contractor shall perform the described work in accordance with the manufacturer's recommendations and these Specifications. The Contractor shall furnish and install all structural supports, mechanical and electrical connections, conduits, conductors, boxes, power supplies, and any other incidental items necessary to provide a completely operational security system. The Contractor shall adjust all system components for optimum performance at each installed location. All construction debris shall be picked-up and lawfully disposed of off State property at the conclusion of each work day.

- J. The Contractor shall locate and preserve all public utility lines and services. The system shall be connected to the Building Fire Alarm System so that doors are released in a fire condition situation.
- K. All cable runs shall be concealed to the maximum extent allowed by construction conditions subject to approval by the Agency. Wall protrusions shall be neatly cut and sleeved with wireway sealed air tight and water tight with an acceptable product that is according to the Virginia Uniform Statewide Building Code. If insulation is removed, it shall be replaced with equivalent material. All exterior conduit shall be rigid metal. Interior conduit may be EMT. All interior and exterior cable routes and distances shall be decided by the Contractor. Cable routes shall be approved by the Agency prior to commencement of cable installation.
- L. Any damage to existing utilities, equipment, or finished surfaces resulting from this installation shall be repaired to the Agency Representatives' satisfaction by the Contractor at the Contractor's expense.
- M. At the conclusion of the work, the Contractor shall demonstrate to the Agency's Representative that the work is fully operational and in compliance with these specifications and codes. Any deficiencies shall be promptly and permanently corrected by the Contractor at the Contractor's sole expense prior to final acceptance of the work.

II. BIDDER INSTRUCTIONS:

- A. The following specifications are based on various manufacturer's equipment and are intended to define the level of quality and performance of the requested work and not to be restrictive by manufacturer, brand, method of configuring a system, and method of accomplishing required functions, unless otherwise indicated.
- B. Bidders shall:
 - 1. Annotate and return these specification pages (not scanned or regenerated pages) to show compliance even if offering the referenced equipment.
 - 2. Provide pertinent technical data documenting compliance/equivalence with dimensions, quality, features, functions, and performance, even if offering the referenced equipment.
- C. The Commonwealth reserves the right to obtain technical data, request clarification, request a demonstration, and set time limits for response, when deemed necessary. Failure by the Bidder to provide the follow-up documentation will be cause to declare the bid non-responsive.
- D. The offered equipment shall be suitable for the purpose intended and shall meet or exceed the specified dimensions, quality, features, functions, and performance:

III. SPECIFICATIONS:

Response Format: Bidders should organize their responses in the same order as that in which

the requirements and specifications are presented in the IFB. Use a separate sheet(s) for additional information. Bidders shall mark, on the manufacturer's data sheets, each specification reference section/paragraph/clause designation (such as "III.A") to expedite the bid review process.

	Referenced Description	Describe Product Bid (Mfgr. & Model Number)
A.	System Software (for Windows NT 4.0): Marlok Model Millenium Plus Windows System (The Marlok Division of Ilco Unican is located at 2941 Indiana Ave., Winston Salem NC 27105, Telephone (910) 725-1331, Facsimile (910) 725-3269),	_____ _____ _____ _____
B.	System Controller: Marlok Model SC-1,	_____ _____
C.	Single Door Controller: Marlok Model DCD,	_____ _____
D.	Card Reader: HID Corporation ProxPro™ Series 5355 (The HID Corporation is located at 14311 Chambers Road, Tustin, CA 92780, Telephone (714) 734-3600, Facsimile (714) 669-5623, Internet www.prox.com),	_____ _____ _____ _____
E.	Proximity Identification (ID) Card: HID Corporation DuoProx II™	_____ _____
F.	Electromagnetic Door Lock: Rutherford Model 8310,	_____ _____
G.	Electromagnetic Door Lock with Door Position Sensor: Rutherford Model 8310xDSS,	_____ _____
H.	Door Contacts: 1. concealed, two piece magnetic, 2. press in type, 3. for metal and wooden door application, 4. balanced magnetic switch type, alarming if a minimum and maximum field strength condition exists,	_____ _____ _____ _____ _____ _____ _____
I.	Electric Bolt: Locknetics Model 433S with Magnetic Auto Relock Switch (ARSM),	_____ _____ _____

- J. **Illuminated Exit Push Button:** _____
Rutherford Model 970N-AA, _____
- K. **Door and Frame Current Transfer Assembly:** _____
Rutherford Model 9505, _____
- L. **Touch Sensitive Exit Device (Touch Bar):** _____
Securitron Model TSB-3 Clear Finish, _____
- M. **Keyswitch:** _____
Securitron Model KP-1, _____
- N. **Exit Timer (to extend momentary keyswitch or switch closure):** _____
Securitron Model TM-8, _____

IV. DOCUMENTATION:

- A. **AS-BUILT DRAWINGS:** The Contractor shall generate and maintain in good order one complete set of as-built plans on clean, reproducible base. These plans shall be used for reporting all changes made during the entire job operation of each phase and denoting exact locations of equipment, conduit, and wiring. The as-built plans shall be kept up-to-date always as the work of each phase progresses and as any changes occur. At the completion of the work, this set of as-built plans shall be turned over to the Agency as a permanent record.
- B. **MAINTENANCE MANUALS:** The Contractor shall provide two complete operation and maintenance manuals including assembly and wiring diagrams, electrical and electronic schematics, mechanical documentation, component views, and parts lists on all products offered. These manuals shall include a copy of all warranties.

V. TRAINING AND OPERATIONAL PERIOD:

- A. The Contractor shall provide training of up to six designated Agency Personnel and Staff in the OEM/Factory Authorized operation/maintenance of the equipment. Such training shall be on-site and consist of oral lecture and hands-on application for at least 8 hours of instruction. Training shall be conducted immediately following installation, prior to acceptance of any invoice (Any invoice submitted prior to training, operational period, and receipt of complete documentation will not be considered valid).
- B. **Operational Period -** The system shall undergo a 30 calendar day operational period, whereby the equipment shall be fine-tuned for optimum operation. Upon successful completion of the 30 day operational period, the system will be accepted.

VI. WARRANTY: The Contractor shall provide a warranty for the entire work against defective materials, workmanship, and performance, excluding vandalism, for one year from the date of acceptance of the installation. The Contractor hereby agrees to furnish without cost to the Commonwealth of Virginia, all labor, materials, and transportation both ways for replacement of all parts and materials, including software/firmware, and software/firmware

upgrades, including but not limited to year 2000 rollover, that are found defective during the warranty period. Warranty response, call back to a call for service, shall be made within 2 hours, 365 days a year. Warranty repairs shall be made within 24 hours after notification, 365 days a year. Repair parts shall be readily available for at least 7 years following the date of acceptance.