



**PASCO COUNTY BOARD OF COUNTY COMMISSIONERS
PURCHASING DEPARTMENT
8919 GOVERNMENT DRIVE
NEW PORT RICHEY, FLORIDA 34654**

TELEPHONE: (727) 847-8194
FACSIMILE: (727) 847-8065
pascocountyfl.net

INVITATION FOR BIDS

BID NO. 08-045F

FIRE ALARM SYSTEM UPGRADE

SUMMARY OF WORK

It is the intent of this solicitation to contract with a company to upgrade the fire alarm system at the Pasco County Land O' Lakes Detention Center.

The Pasco County Purchasing Department will receive sealed bids until 2:00 p.m., local time (our clock), on February 11, 2008, in the Pasco County Purchasing Department, 8919 Government Drive, New Port Richey, Florida. Bids received after this time will not be accepted. Bids will be publicly opened and read at the above-stated time and date. All interested parties are invited to attend. Bidders shall submit one (1) original bid form.

A prebid conference will be held at 10:00 a.m. on January 25, 2008, in the front lobby of the Land O' Lakes Detention Center located at 20101 Land O' Lakes Boulevard, Land O' Lakes, Florida. All interested parties are strongly encouraged to attend. The purpose of the prebid conference is to allow potential bidders an opportunity to present questions to staff and obtain clarification of the requirements contained in the issued bid documents.

Insurance coverage is required for this project; please refer to the Special Provisions.

Please immediately advise of address changes or if you wish to have your firm removed from the vendor list. Vendors receiving this notice must submit either a bid/proposal or "NO BID" to remain on our vendor list for the specified commodity or service. A "NO BID" is provided on Page 2 for your convenience.

This cover is only intended to inform vendors of a pending Invitation for Bid or Request for Proposal. For complete details, please refer to the complete bid/proposal package.

Bid documents may be downloaded by visiting www.PascoCountyFL.net or by requesting copies from the Purchasing Department at no cost. Pasco County is not responsible for expenses incurred prior to award by the Board of County Commissioners (BCC).

Frank C. Aleskwiz
Buyer



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STATEMENT OF NO BID

We, the undersigned, have declined to submit a bid response to Invitation for Bid No. 08-045F for the following reason(s):

Please check all that apply.

1. Opening date does not allow sufficient time to complete bid response.
2. We do not offer the commodities or services requested.
3. Our schedule would not permit us to perform.
4. We are unable to meet the issued specification.
5. Specifications are restrictive (please explain below).
6. We are unable to meet the surety requirements.
7. Other: _____

Explanations: _____

We understand that if a "NO BID" is not returned, our firm will be removed from the bidders' list for the subject commodity.

Name: _____

Signature: _____

Company: _____

Address: _____

City/State/Zip: _____

Telephone: _____

Facsimile: _____

Fed. ID No.: _____

IMPORTANT!—PLEASE READ CAREFULLY BEFORE MAKING BID

GENERAL PROVISIONS

These general terms and conditions of the bid quotation and acceptance apply in like force to this inquiry and to any subsequent contract resulting therefrom.

ACKNOWLEDGMENT OF AMENDMENTS

Bidders shall acknowledge receipt of any amendment to the solicitation by identifying the amendment number in the space provided for this purpose on the bid form, by letter, or by returning a copy of the issued amendment with the submitted bid. The acknowledgment must be received by Pasco County by the time and at the place specified for the receipt of bids. Failure to acknowledge an issued amendment may result in bid rejection and disqualification.

ADDITIONAL INFORMATION

Questions concerning the contract or technical portions of the bid document must be submitted in writing to Scott P. Stromer, Purchasing Director, Pasco County Purchasing Department; 8919 Government Drive; New Port Richey, Florida 34654; facsimile (fax) machine number (727) 847-8065. Bidders are cautioned that any statements made by individuals, or employees of Pasco County, that materially change any portion of the bid document shall not be relied upon unless subsequently ratified by a formal written amendment to the bid document. No contractual or technical questions will be accepted after ten (10) days prior to the date set for bid opening.

ALTERNATIVE BIDS

The bidder **WILL NOT** be allowed to offer more than one (1) price (for the goods or services specified). If the said bidder should submit more than one (1) price on any item (or service), ALL prices will be rejected for that item. The bidders offering service delivery methods other than those permitted by the scope of work or specifications may submit a separate envelope clearly marked "Alternative Bid." Alternative bids will be deemed nonresponsive and will not be considered for award. All such responses will, however, be examined prior to award. Such examination may result in cancellation of all bids received to permit rewriting the scope of work or specifications to include the alternative method, or the alternative method may be considered for future requirements of Pasco County.

ANTITRUST

By entering into a contract, the contractor conveys, sells, assigns, and transfers to Pasco County all rights, titles, and interest it may now have or hereafter acquire under the antitrust laws of the United States and the State of Florida that relate to the particular goods or services purchased or acquired by Pasco County under the said contract.

APPLICABLE LAW

The contract shall be governed in all respects by the laws of the State of Florida, and any litigation with respect thereto shall be brought in the courts of Pasco County, Florida. The contractor shall comply with all applicable Federal, State, and local laws and regulations. Lack of knowledge by the bidder will in no way be a cause for relief from responsibility.

ASSIGNMENT

The contractor shall not assign, transfer, convey, sublet, or otherwise dispose of any award or any or all of its rights, title, or interest therein, or delegate the duties hereunder without the prior written consent of Pasco County.

AWARD

Consideration for award will be by proximity to specifications given, costs, and time of delivery. All purchases, leases, or contracts that are based on competitive bids will be awarded to the lowest, responsive, and responsible bidder. Complete and accurate responses to all items are necessary for the complete and fair evaluation of bids. Bid award, in addition to the above stated, will be based on compliance with the specified requirements as well as the "total-cost" or "life-cycle costing" concept, including the following: 1) Cost: A cost analysis will be conducted and will include all identifiable costs associated with acquisition, installation, maintenance, and operation of the bidder's offered equipment. The analysis will be based upon the bidder's proposal data and other costs which, in the judgment of the evaluators, will be incurred by Pasco County resulting from acceptance of the bidder's proposal; 2) Equipment: Evaluation of equipment will be based on compliance with the specifications, expected life of equipment, output, maintenance, consumption, disposal value, warranty, complexity of operation, required training, and other factors that may contribute to the overall cost of the specified item; and 3) Bidder's Reputation and Experience: Evaluation of the bidder's reputation, past performance, and experience shall be based on the nature and extent of company data furnished, references and financial responsibility of the bidder.

BID ACCEPTANCE PERIOD

Any bid submitted as a result of the solicitation shall be binding on the bidder for a minimum of ninety (90) calendar days following the bid opening date. Any bid for which the bidder specifies a shorter acceptance period may be rejected.

BID CLARIFICATIONS

If any party contemplating the submission of a bid on this invitation is in doubt as to the true meaning of any part of the plans, specifications, or other documents, he should submit a written request for an interpretation thereof to the Purchasing Director. The bidder's concerns, regarding clarification of specifications and/or discrepancies and/or omissions and/or changes to the attached specifications shall be made in writing and received by Pasco County no later than ten (10) calendar days prior to the bid opening date. The letter from the bidder shall state clearly, and in detail, the basis for such concern(s) or request(s). The letter shall be addressed to the Purchasing Director, and marked "PREBID QUESTION" on the face of the envelope. The Purchasing Director will respond in writing. An interpretation of the bid invitation document will be made only by addendum duly issued to each party receiving a bid invitation. All such addenda shall become part of the contract documents. Pasco County shall not be responsible for explanations or interpretations of bid invitation documents except as issued in accordance herewith. No oral interpretations will be made as to the meaning of specifications or any other contract documents. Failure to comply with this provision will result in the bidder waiving his/her right to dispute the bid specification.

BIDDER CERTIFICATION

The bidder agrees that submission of a signed bid form is certification that the bidder will accept an award made to it as a result of the submission.

BIDDER INVESTIGATIONS

Before submitting a bid, each bidder shall make all investigations and examinations necessary to ascertain all site conditions and requirements affecting the full performance of the contract and to verify any representations made by Pasco County upon which the bidder will rely. If the bidder receives an award as a result of its bid submission, failure to have made such investigations and examinations will in no way relieve the bidder from its obligation to comply in every detail with all provisions and requirements of the contract documents, nor will a plea of ignorance of such conditions and requirements be accepted as a basis for any claim whatsoever by the contractor for additional compensation.

BIDDERS' LIST

Failure to submit a bid for the item(s) specified will result in removal from the bidders' list for such (an) item(s). If a bid is not submitted, a "NO BID" response must be submitted to remain on the Pasco County's bidders' list for such items. A form for submitting a "NO BID" is provided on Page 2 for your convenience.

BID ENVELOPES

Envelopes containing bids must be sealed and marked in the lower left-hand corner with the invitation number, commodity, and date and hour of opening of bids. Failure to do so may cause bid not to be considered. Express Company or Express Mail envelopes containing a sealed bid shall also be sealed and marked in the lower left-hand corner with the invitation number, commodity, and date and hour of opening of bids.

BID FORM SUBMISSION

Bids shall be submitted on the attached forms. Bids concerning separate bid invitations must not be combined on the same form or placed in the same envelope. Bids submitted in violation of this provision shall not be considered. All bids must be signed, in ink, in order to be considered. Erasures are not acceptable on bids; if necessary to make a change, strike out or draw a line through incorrect item and type the correction above, and initial the correction in ink. If the bidder is a firm or corporation, the bidder must show the title of the individual executing the bid, and if the individual is not an officer of the firm or corporation, the bidder must submit proof that the individual has the authority to obligate the firm or corporation. **BIDS MAY NOT BE ALTERED OR AMENDED AFTER THE BID CLOSING.**

BID RECEIPT AND OPENING

Pasco County will receive sealed bid proposals until date and time indicated on bid cover. Bids must be delivered, by hand or mail, to the Pasco County Purchasing Department, located at 8919 Government Drive, New Port Richey, Florida, where they will be opened at the stated time. Bids must be time stamped in the Purchasing Department before or on the hour and date indicated on the cover sheet (Invitation for Bid) for the bid opening. Bids received after the date and time of the bid opening will be received, date stamped, and returned to the bidder unopened. It is the responsibility of the bidder to ensure that bids arrive at the designated opening place on time. Late or nondelivery due to mail or express delivery company failure will not be considered adequate reason for consideration of late bids. **FAXED BIDS WILL NOT BE ACCEPTED AND SHALL NOT BE CONSIDERED FOR EVALUATION OR AWARD.** Notes may be taken at the public reading of the bid(s) at the specified time and date of the opening or a personal inspection may be made of the bid(s) after award has been made and documents are placed in central and public files.

BID WITHDRAWAL

Bids may not be changed after the bid closing time.

To withdraw a bid that includes a clerical error after bid opening, the bidder must give notice in writing to Pasco County of claim or right to withdraw a bid. Within two (2) business days after the bid opening, the bidder requesting withdrawal must provide to Pasco County all original work papers, documents, and other materials used in the preparation of the bid. A bidder may also withdraw a bid prior to the time set for the opening of bids by simply making a request in writing to Pasco County; no explanation is required. No bidder who is permitted to withdraw a bid shall, for compensation, supply any material or labor to or perform any subcontract or other work for the person to whom the contract is awarded or otherwise benefit from the contract. No partial withdrawals of a bid are permitted after the time and date set for the bid opening; only complete withdrawals are permitted. The decision to allow or disallow bid withdrawal remains solely with Pasco County.

BRAND NAMES

Any catalog, brand name, or manufacturer's reference used in the specifications is intended to be descriptive and not restrictive, and is used **only** to indicate type and quality desired. Any article, equipment, or material, which shall conform to the standards and excellence, so established, and is of equal merit, strength, durability, and appearance to perform the desired function, is deemed eligible for offer as a substitute. The qualifications of the offering shall be judged as to their conformance with these specifications. Any equipment offered other than herein specified shall be subject to a competitive demonstration and evaluation by Pasco County. The determination as to whether any alternate product or service is or is not equal shall be made by Pasco County, and such determination(s) shall be final and binding upon all bidders.

CANCELLATION

Pasco County reserves the right to cancel a resulting contract, without cause, by giving thirty (30) days' prior written notice to the contractor of the intention to cancel, or with cause if at any time the contractor fails to fulfill or abide by any of the terms or conditions specified. Failure of the contractor to comply with any of the provisions of a resulting contract shall be considered a material breach of contract and shall be cause for immediate termination of the contract at the sole discretion of Pasco County. In addition to all other legal remedies available to Pasco County, Pasco County reserves the right to cancel and obtain from another source, any services which have not been provided within the required period of time or, if no such time is stated, within a reasonable period of time from the date of order or request, as determined by Pasco County.

CERTIFICATION OF INDEPENDENT PRICE DETERMINATION

The bidder certifies that the prices submitted in response to the solicitation have been arrived at independently and without—for the purpose of restricting competition—any consultation, communication, or agreement with any other bidder or competitor relating to those prices, the intention to submit a bid, or the methods or factors used to calculate the prices bid.

CHANGE IN SCOPE OF WORK

Pasco County may order changes in the work consisting of additions, deletions, or other revisions within the general scope of the contract. No claims may be made by the contractor that the scope of the project or of the contractor's services has been changed, requiring changes to the amount of compensation to the contractor or other adjustments to the contract, unless such changes or adjustments have been made by written amendment to the contract or

purchase order signed by Purchasing Director. If the contractor believes that any particular work is not within the scope of the project, is a material change, or will otherwise require more compensation to the contractor, the contractor must immediately notify Pasco County in writing of this belief. If Pasco County believes that the particular work is within the scope of the contract as written, the contractor will be ordered to and shall continue with the work as changed and at the cost stated for the work within the scope.

COLLUSION AMONG BIDDERS

Each bidder, by submitting a bid, certifies that it is not a party to any collusive action or any action that may be in violation of the Sherman Antitrust Act. Any or all bids shall be rejected if there is any reason for believing that collusion exists among the bidders. Pasco County may or may not, at its discretion, accept future bids for the same work from participants in such collusion. More than one (1) bid from an individual, firm, partnership, cooperation, or association under the same or different names may be rejected. Reasonable grounds for believing that a bidder has interest in more than one (1) bid for the work being bid may result in rejection of all bids in which the bidder is believed to have interest. Nothing in this clause shall preclude a firm acting as a subcontractor to be included as a subcontractor for two (2) or more primary contractors submitting a bid for the work.

CONFLICT OF INTEREST

The contractor, by submission of its proposal, certifies that to the best of his/her knowledge or belief, no elected/appointed official or employee of Pasco County is financially interested, directly or indirectly, in the offer of goods or services specified in this invitation.

DEBARMENT

By submitting a bid, the bidder certifies that it is not currently debarred from submitting bids for contracts issued by any political subdivision or agency of the State of Florida and that it is not an agent of a person or entity that is currently debarred from submitting bids for contracts issued by any subdivision or agency of the State of Florida.

ERRORS IN EXTENSIONS

If the unit price and the extension price are at variance, the unit price shall prevail.

ETHICS IN PUBLIC PROCUREMENT

The contract shall incorporate by reference, but shall not be limited to, the provisions of law contained in Chapter 112, Florida Statutes. A person or affiliate who has been placed on the convicted vendor list following a conviction for a public entity crime may not submit a bid on a contract to provide any goods or services to a public entity; may not submit a bid on a contract with a public entity for the construction or repair of a public building or public work; may not submit bids on leases or real property to a public entity; may not be awarded or perform work as a contractor, supplier, subcontractor, or consultant under a contract with any public entity; and may not transact business with any public entity in excess of the threshold amount provided in Section 287.017, Florida Statutes, for CATEGORY TWO for a period of thirty-six (36) months from the date of being placed on the convicted vendor list. The bidder certifies that its bid was made without collusion or fraud; that it has not offered or received any kickbacks or inducements from any other bidder, supplier, manufacturer, or subcontractor in connection with this bid; and that it has not conferred on any public employee having official responsibility for this procurement transaction any payment, loan, subscription, advance, deposit of money, services, or anything of value.

EXCEPTIONS

Bidders taking exception to any part or section of the solicitation shall indicate such exceptions on the bid form or appendix. Failure to indicate any exception will be interpreted as the bidder's intent to comply fully with the requirements as written. Conditional or qualified bids, unless specifically allowed, shall be subject to rejection in whole or in part.

EXPENSES INCURRED IN PREPARING BID

Pasco County accepts no responsibility for any expense incurred by the bidder in the preparation and presentation of a bid. Such expenses shall be borne exclusively by the bidder.

FAILURE TO DELIVER

In the event of failure of the contractor to deliver the goods and services in accordance with the contract terms and conditions, Pasco County may procure the goods and services from other sources and hold the contractor responsible for any resulting additional costs. A failure to deliver will result in immediate termination of a resulting contract, and immediate disqualification and debarment from submitting bids to Pasco County for a maximum of three (3) years. These remedies shall be in addition to any other remedies that Pasco County may have available.

FAILURE TO ENFORCE

Failure by Pasco County at any time to enforce the provisions of the contract shall not be construed as a waiver of any such provisions. Such failure to enforce shall not affect the validity of the contract or any part thereof or the right of Pasco County to enforce any provision at any time in accordance with its terms.

FAIR LABOR STANDARDS

By submission of a bid, the bidder certifies that the contractor(s) and/or subcontractor(s) providing product(s) or service(s) shall, in the execution or performance of such a contract, maintain fair labor standards as defined in applicable State and Federal regulations.

FORCE MAJEURE

The contractor shall not be held responsible for failure to perform the duties and responsibilities imposed by the contract due to legal strikes, fires, riots, rebellions, and acts of God beyond the control of the contractor, unless otherwise specified in the contract.

IDENTICAL BIDS

Identical bids or bids which otherwise appear suspicious will be reported to the County Attorney for investigation.

INDEMNIFICATION

In consideration of the sum of Fifteen and 00/100 Dollars (\$15.00), the receipt and sufficiency of which is acknowledged by the contractor to be included and paid for in the contract price, the contractor shall indemnify, defend, and hold harmless Pasco County and its agents and employees from and against all liabilities, claims, damages, losses, and expenses, including attorneys' fees, arising out of or resulting from the performance of the work, provided that any such liability, claim, damage, loss, or expense: 1) is attributable to bodily injury, sickness, disease or death, or to injury to or destruction of tangible property (other than the work itself), including the loss of use resulting therefrom; and 2) is caused in whole or in part by any negligent act or omission of the contractor and subcontractor, anyone directly or indirectly employed by any of them, or anyone for whose acts any of them may be liable, except for those caused by the negligent act or omission of Pasco County.

In any and all claims against Pasco County or any of its agents or employees by any employee of the contractor, any subcontractor, anyone directly or indirectly employed by any of them, or anyone for whose acts any of them may be liable, the indemnification obligation under the previous paragraph shall not be limited in any way as to the amount or type of damages, compensation, or benefits payable by or for the contractor or any subcontractor under Workers' Compensation Acts, disability benefit acts, or other employee benefit acts.

INDEPENDENT CONTRACTOR

The contractor shall be legally considered an independent contractor and neither the contractor nor its employees shall, under any circumstances, be considered servants or agents of Pasco County; and Pasco County shall be at no time legally responsible for any negligence or other wrongdoing by the contractor, its servants, or agents. Pasco County shall not withhold from the contractor any Federal or State unemployment taxes, Federal or State income taxes, Social Security tax, or any other amounts for benefits to the contractor. Further, Pasco County shall not provide to the contractor any insurance coverage or other benefits, including workers' compensation, normally provided by Pasco County for its employees.

INFORMALITIES AND IRREGULARITIES

Pasco County has the right to waive minor defects or variations of a bid from the exact requirements of the specifications that do not affect the price, quality, quantity, delivery, or performance time of the services being procured. If insufficient information is submitted by a bidder with the bid for Pasco County to properly evaluate the bid, Pasco County has the right to require such additional information as it may deem necessary after the time set for receipt of bids, provided that the information requested does not change the price, quality, quantity, delivery, or performance time of the services being procured. The BCC reserves the right to reject any or all bids in whole or in part; to award by any item, group(s) of items, total bid, or accept the bid that is most advantageous and in the best interest of Pasco County.

LAW COMPLIANCE

Each party will comply with all applicable Federal, State and local laws, rules, regulations, and guidelines related to performance under this agreement. In particular, the contractor/vendor/named party verifies and affirms that it is in compliance with 8 USC Sec. 1324 prohibiting the employment either directly or by contract, subcontract, or exchange of unauthorized aliens in the United States. The County will consider the employment of unauthorized aliens by any contractor/vendor/named party, during the term of the agreement, a violation of the Immigration and Nationality Act. Such violation shall be cause for unilateral cancellation of this agreement by the County.

LIMITATION OF COST

The contractor agrees to perform the work specified and complete all obligations under the contract within the stated amounts.

NONAPPROPRIATION

All funds for payment by Pasco County under this contract are subject to the availability of an annual appropriation for this purpose by Pasco County. In the event of nonappropriation of funds by Pasco County for the services provided under the contract, Pasco County will terminate the contract, without termination charge or other liability, on the last day of the then-current fiscal year or when the appropriation made for the then-current year for the services covered by this contract is spent, whichever event occurs first. If at any time funds are not appropriated for the continuance of this contract, cancellation shall be accepted by the contractor on thirty (30) days' prior written notice, but failure to give such notice shall be of no

effect, and Pasco County shall not be obligated under this contract beyond the date of termination.

NONCONFORMING TERMS AND CONDITIONS

A bid response that includes terms and conditions that do not conform to the terms and conditions in the bid document is subject to rejection as nonresponsive. Pasco County reserves the right to permit the bidder to withdraw nonconforming terms and conditions from its bid response prior to a determination by Pasco County of nonresponsiveness based on the submission of nonconforming terms and conditions.

NONDISCRIMINATION

By submission of bid, the bidder certifies that the contractor(s) and/or subcontractor(s) providing product(s) or service(s) shall not discriminate against any employee or applicant for employment, to be employed in the performance of such contract, with respect to his/her hire, tenure, terms, conditions, or privileges of employment, because of his/her race, color, religion, sex, disability, or national origin, as outlined in applicable State and Federal regulations.

ORAL STATEMENTS

No oral statement of any person shall modify or otherwise affect the terms, conditions, or specifications stated in this contract. All modifications to the contract or purchase order must be made in writing by Pasco County.

PATENTS AND ROYALTIES

The contractor covenants to save, defend, keep harmless, and indemnify Pasco County and all of its officers, departments, agencies, agents, and employees from and against all claims, loss, damage, injury, fines, penalties, and cost—including court costs and attorney's fees, charges, liability, and exposure, however caused—for or on account of any copyright or patented or unpatented invention, process, or article manufactured or used in the performance of the contract, including its use by Pasco County. If the contractor uses any design, device, or materials covered by patent or copyright, it is mutually agreed and understood without exception that the contract price includes all royalties or costs arising from the use of such design, device, or materials in any way in the work.

PAYMENT PROCEDURES

The BCC has adopted Resolution No. 95-70, incorporating its Invoice Payment Procedures Policy in order to help ensure that vendors providing goods and/or services to the BCC receive payment in a timely manner and in accordance with Chapter 218, Part VII, Florida Statutes (The Florida Prompt Payment Act). A copy of Resolution No. 95-70 (which includes the policy) is available for viewing during normal business hours at the Office of the Pasco County Clerk of the Circuit Court; 38053 Live Oak Avenue; Department of Secretarial Services, Room 205; Dade City, Florida 33525. Copies of the Resolution may be obtained at a cost of One and 20/100 Dollars (\$1.20). Please make your check payable to Jed Pittman, Clerk of the Circuit Court, and forward payment to the Department of Secretarial Services at the address noted above. For further information, please call (352) 521-4347.

Several payment options are available to successful vendor, upon receipt of a correct invoice:

1. Check may be mailed to the remit address on the invoice. The check is sent to the Post Office the day after BCC approval.

2. Check may be picked up in Dade City. The vendor must pick up the check the day after BCC approval. The successful bidder or contractor must call (352) 521-4599 for detailed instructions.
3. Payment may be wire-transferred to the vendor's bank account. The vendor must call (352) 521-4599 for detailed instructions.

PAYMENT TERMS AND DISCOUNTS

Unless otherwise indicated in the bid documents, payment terms will be net forty-five (45) days. Terms not consistent with this provision are not acceptable and may be cause for rejection. Pasco County will pay the contractor within forty-five (45) days after the receipt of a correct invoice for reasonable work allocable to the contract or after the date of acceptance of work that meets contract requirements, whichever event occurs later. Payment(s) are considered effective on the date payment is mailed.

Discounts for prompt payment requiring payment by Pasco County within a stipulated number of days will be interpreted as applying within the stipulated number of calendar days after the date of receipt by Pasco County of a correct invoice describing reasonable work allocable to the contract or after the date of acceptance of work that meets contract requirements, whichever event occurs later. Discounts for payment in less than forty-five (45) days will not be considered during evaluation for award, but may be taken if applicable after award.

Payment for construction services will be in accordance with Chapter 218, Part VII, Florida Statutes (The Florida Prompt Payment Act).

PROCUREMENT REGULATIONS

A copy of the Pasco County Procurement Ordinance is available for review at Pasco County Purchasing Department, 8919 Government Drive, New Port Richey, Florida.

PUBLIC INFORMATION

Upon public opening of all bids or proposals presented to Pasco County as a result of this solicitation, any and all information contained therein is considered public and may be reviewed by any persons interested in doing so.

PURCHASE ORDER REQUIREMENT

Purchases of Pasco County are authorized only if a signed purchase order issued in advance of the transaction, showing that the ordering agency has sufficient funds available to pay for the service. Contractors providing services without a signed purchase order do so at their own risk. Pasco County will not be liable for payment for any services provided under the contract unless a valid purchase order has been issued to the contractor.

QUALIFICATIONS OF BIDDERS

The bidder may be required before the award of any contract to show to the complete satisfaction of Pasco County that it has the necessary facilities, ability, and financial resources to provide the service specified therein in a satisfactory manner. The bidder may also be required to give a past history and references in order to satisfy Pasco County in regard to the bidder's qualifications. Pasco County may make reasonable investigations deemed necessary and proper to determine the ability of the bidder to perform the work, and the bidder shall furnish to Pasco County all information for this purpose that may be requested. Pasco County reserves the right to reject any bid if the evidence submitted by, or investigation of, the bidder fails to satisfy Pasco County that the bidder is properly qualified to carry out the obligations of the

contract and to complete the work described therein. Evaluation of the bidder's qualifications shall include:

1. The ability, capacity, skill, and financial resources to perform the work or provide the service required.
2. The ability of the bidder to perform the work or provide the service promptly or within the time specified, without delay or interference.
3. The character, integrity, reputation, judgment, experience, and efficiency of the bidder.
4. The quality of performance of previous contracts or services.

QUALITY OF GOODS

All goods shall be new, in first class condition, and of the manufacturer's latest design of the model presently in production. All materials, supplies, and equipment furnished or services performed under the terms of this purchase order or contractual agreement shall comply with the requirements and standards specified in the Williams-Steiger Occupational Safety and Health Act of 1970 (Public Law 91-596), as well as other applicable Federal, State, and local codes. Equipment and materials furnished by the bidder having serious defects, corrosion, or scratches which tend to present an "other than new" appearance shall be promptly replaced or such defects promptly corrected by the bidder at no cost to Pasco County. Any existing Material Safety Data Sheets (MSDS) for the products, materials, supplies, or equipment being bid must be submitted with the bid. No product containing asbestos, lead paint, or polychlorinated biphenyl (PCB) in any form will be considered for award by Pasco County.

RECOVERY OF MONEY

Whenever, under the contract, any sum of money shall be recoverable from or payable by the contractor to Pasco County, the same amount may be deducted from any sum due the contractor under the contract or under any other contract between the contractor and Pasco County. The rights of Pasco County are in addition and without prejudice to any other right Pasco County may have to claim the amount of any loss or damage suffered by Pasco County on account of the acts or omissions of the contractor.

RIGHT TO AUDIT

The contractor shall maintain such financial records and other records as they relate to the purchase of goods and/or services by Pasco County from the subject vendor. The contractor shall retain these records for a period of three (3) years after final payment, or until they are audited by Pasco County, whichever event occurs first. These records shall be made available during the term of the contract and the subsequent three (3) year period for examination, transcription, and audit by Pasco County, its designees, or other authorized bodies.

RISK OF LOSS

Pasco County shall be relieved from all risks of loss or damage to goods during periods of transportation, manufacture, and the entire time the goods are in the possession of Pasco County prior to acceptance by Pasco County. At such time, the risk of loss or damage for goods shall pass to Pasco County. The bidder/contractor shall not be responsible for damage to the goods occasioned by negligence of Pasco County or its employees.

TABULATIONS

Solicitation results, plan holder lists, and related information may be retrieved from our website: www.PascoCountyFL.net. Click on "Bids," click on "closed solicitations," and look for the solicitation number in the appropriate year. Solicitation results will normally be available online within three (3) working days after opening. Lengthy tabulations may not be available online,

but may be viewed in the Purchasing Department. Plan holder lists will normally be available two (2) weeks prior to opening. Plan holder lists will be posted once, based on the information at the time, and will not be updated. Tabulations will not be given over the telephone or via fax.

TAXES

All bids shall be submitted exclusive of direct Federal, State, and local taxes; however, if the bidder believes certain taxes are properly payable, he/she may list such taxes separately in each case directly below the respective item bid price. Prices quoted must be in units specified, and shall not include the cost of any such taxes, including those on any material, supplies, or equipment used or installed in the work. Pasco County does not pay Federal Excise and Sales Taxes on direct purchases of tangible personal property. See Exemption Number on face of the resulting purchase order. This exemption does not apply to purchases of tangible personal property made by contractors who use the tangible personal property in the performance of contracts for improvement of County-owned real property. Please refer to Chapter 192, Florida Statutes.

UNSATISFACTORY WORK

If, at any time during the contract term, the service performed or work done by the contractor is considered by Pasco County to create a condition that threatens the health, safety, or welfare of the community, the contractor shall, on being notified by Pasco County, immediately correct such deficient service or work. In the event the contractor fails, after notice, to correct the deficient service or work immediately, Pasco County shall have the right to order the correction of the deficiency by separate contract or with its own resources at the expense of the contractor. Notwithstanding the above, Pasco County reserves the right to cancel a resulting contract, without cause, by giving thirty (30) days' prior written notice to the contractor of the intention to cancel.

END OF GENERAL PROVISIONS

SPECIAL PROVISIONS

In addition to the General Provisions of this solicitation, these Special Provisions, along with the specifications that follow, apply in like force to this solicitation and to any subsequent contract resulting therefrom.

INSURANCE REQUIREMENTS

The insurance required must be written by an insurer authorized to do business in the State of Florida and also have an "A" policyholder's rating and a financial rating of at least Class VIII in accordance with the most current *Best's Key Rating Guide*. Prior to the time the contractor is entitled to commence any part of the project, work, or services under this contract, the contractor shall procure, pay for, and maintain at least the following insurance coverages and limits. The said insurance shall be evidenced by delivery to Pasco County of 1) Certificates of Insurance executed by the insurers listing coverages and limits, expiration dates and terms of policies and all endorsements whether or not required by Pasco County, and listing all carriers issuing the said policies; and 2) upon request, a certified copy of each policy, including all endorsements. The insurance requirements shall remain in effect throughout the term of this contract.

1. Workers' Compensation in at least the limits as required by law; Employers' Liability Insurance of not less than One Hundred Thousand and 00/100 Dollars (\$100,000.00) for each accident. The contractor agrees to waive its right of subrogation as part of this coverage.
2. Comprehensive General Liability Insurance including, but not limited to, Independent, Contractor, Contractual, Premises/Operations, Products/Completed Operation and Personal Injury covering the liability assumed under indemnification provisions of this contract, with limits of liability for personal injury and/or bodily injury, including death, of not less than Two Million and 00/100 Dollars (\$2,000,000.00), each occurrence; and property damage of not less than One Million and 00/100 Dollars (\$1,000,000.00), each occurrence. (Combined single limits of not less than Two Million and 00/100 Dollars [\$2,000,000.00], each occurrence, will be acceptable unless otherwise stated.) Coverage shall be on an "occurrence" basis, and the policy shall include Broad Form Property Damage coverage and Fire Legal Liability of not less than Fifty Thousand and 00/100 Dollars (\$50,000.00) per occurrence, unless otherwise stated by exception herein.
3. Comprehensive Automobile and Truck liability covering owned, hired, and nonowned vehicles with combined single limits of not less than One Million and 00/100 Dollars (\$1,000,000.00), each occurrence. Coverage shall be on an "occurrence" basis, such insurance to include coverage for loading and unloading hazards.

Each insurance policy shall include the following conditions by endorsement to the policy:

1. Each policy shall require that thirty (30) days prior to expiration, cancellation, nonrenewal, or any material change in coverages or limits, a notice thereof shall be given to Pasco County by certified mail to: Pasco County Purchasing Department, 8919 Government Drive, New Port Richey, Florida 34654. The contractor shall also notify Pasco County, in a like manner, within twenty-four (24) hours after receipt, of any

notices of expiration, cancellation, nonrenewal, or material change in coverage received by the said contractor from its insurer; and nothing contained herein shall absolve the contractor of this requirement to provide notice.

2. Companies issuing the insurance policy, or policies, shall have no recourse against Pasco County for payment of premiums or assessments for any deductibles that all are at the sole responsibility and risk of the contractor.
3. The term "County" or "Pasco County" shall include all Authorities, Boards, Bureaus, Commissions, Divisions, Departments, and Offices of County and individual members, employees thereof in their official capacities, and/or while acting on behalf of Pasco County.
4. Pasco County BCC shall be endorsed to the required policy or policies as an additional named insured.
5. The policy clause "Other Insurance" shall not apply to any insurance coverage currently held by Pasco County to any such future coverage, or to Pasco County's self-insured retentions of whatever nature.

TRANSPORTATION AND PACKING

Prices quoted shall be net, including transportation and delivery charges fully prepaid by the seller, f.o.b. Land O' Lakes, Florida. No additional charges will be allowed for packing, packages, or partial delivery costs. By submitting their bids, all bidders certify and warrant that the price offered for f.o.b. destination includes only the actual freight rate costs at the lowest and best rate and is based upon actual weight of the goods to be shipped. Standard commercial packaging, packing, and shipping containers shall be used, except as otherwise specified herein.

END OF SPECIAL PROVISIONS

UPGRADE OF FIRE ALARM SYSTEM AT LAND O' LAKES DETENTION CENTER

SPECIFICATIONS

1.0 PART 1 - GENERAL

1.1 **SUMMARY**

Section Includes:

- 1.1.1 This section provides specifications for the replacement and upgrades to the existing EST manufactured fire alarm systems for the entire facility.
- 1.1.2 This section includes specifications for the replacement of the existing fire alarm CPU workstation with new GE/EST Fire Command Center (FCC) workstation.
- 1.1.3 Upgrade existing remote fire alarm panels, including replacement of the existing EST IRC-3 components with new GE/EST Signature Series processor components.
- 1.1.4 Replace existing Simplex remote fire alarm panel and remote fire alarm devices with new GE/EST Signature Series fire alarm equipment and devices in sprung housing unit. Provide network connection from new upgraded sprung unit remote fire alarm panel to new replacement FCC for monitoring.

1.2 **SCOPE**

The contractor shall furnish all labor, services, equipment, and materials for the replacement and upgrade the existing fire alarm system at Location No. 353, Pasco County Sheriff's Office, Land O' Lakes Detention Center, 20101 Central Boulevard, Land O' Lakes, Florida. All work shall be performed according to the material manufacturer's recommendations and in accordance with these specifications. The work shall include, but not be limited to, all labor, materials, permitting, accessories, supplies, tools, equipment, freight, delivery, handling, disposal off-site daily, and supervision required to replace the fire alarm system complete and ready for immediate and continuous use. The work may require weekend or evening hours.

1.3 **SPECIAL REQUIREMENTS**

- 1.3.1 Obtain all necessary permits. Permit fees shall be included in the bid.
- 1.3.2 Schedule a preinstallation meeting with the Facilities Management Department's Assistant Maintenance Supervisor, Mike Ball, to determine works schedule.
- 1.3.3 The contractor shall provide information required by the Pasco County Sheriff's Office for "Request for Background Check" at the preinstallation meeting. The required information of each person working at the site is as follows:

- 1.3.3.1. Company Name.
- 1.3.3.2. Birth Name: (Name on Birth Certificate).
- 1.3.3.3. Social Security #: XXX-XX-XXXX.
- 1.3.3.4. Date of Birth: XX/XX/XXXX.
- 1.3.3.5. Sex: Male or Female.
- 1.3.3.6. Race: White, Black, etc.

1.4 SYSTEM DESCRIPTION

- 1.4.1 Automatic and manual, analog addressable, general alarm and noncoded evacuation alarm, supervised, closed-circuit, 24 VDC microprocessor-based fire detection and alarm system.
- 1.4.2 Provide replacement components, as required, including but not limited to, the following:
 - 1.4.2.1. New Windows-based FCC CPU workstation and monitor.
 - 1.4.2.2. Upgrade all existing remote Fire Alarm Graphic Annunciators (FAA).
 - 1.4.2.3. Remove existing EST IRC-3 network components from existing EST remote network panels. Reuse and refurbish existing EST remote network panels to be equipped with new DIN Rail mounting hardware and shall be reused as a circuit termination cabinet.
 - 1.4.2.4. Provide new GE/EST Signature Series components to replace existing EST IRC-3 components. New GE/EST components shall be enclosed in new GE/EST remote fire alarm panels installed adjacent to existing EST remote network panels.
 - 1.4.2.5. Verify the integrity of all existing addressable heat sensors and their associated circuits.
 - 1.4.2.6. Verify integrity of all addressable smoke sensors and their associated circuits.
 - 1.4.2.7. Verify integrity of all addressable duct smoke sensors and their associated circuits.
 - 1.4.2.8. Verify integrity of all sprinkler system water flow sensor circuits.
 - 1.4.2.9. Verify integrity of all sprinkler system pressure sensor circuits.
 - 1.4.2.10. Verify integrity of all main, post indicator valve and OS&Y sprinkler valve tamper switch circuits.

- 1.4.2.11. Verify operation of all fan control relays associated with the HVAC control system.
- 1.4.2.12. Verify operation of all combination fire alarm horns with strobe units and their associated circuits.
- 1.4.2.13. Verify operation of all addressable manual pull stations.
- 1.4.2.14. Verify integrity of all fire alarm system wire and associated circuits.
- 1.4.2.15. Verify integrity of fire pump alarm supervised circuiting.
- 1.4.2.16. Verify operation of existing shutoff valve.
- 1.4.2.17. Verify operation and integrity of magnetic door hold open devices.
- 1.4.2.18. Provide new heat sensors in existing laundry room and boiler room and connect to new GE/EST system.

1.4.3 Basic Performance:

- 1.4.3.1. Signal Line Circuits (SLC) shall be wired Class B (NFPA Style 4).
- 1.4.3.2. Notification Appliance Circuits (NAC) shall be wired Class B (NFPA Style Y).
- 1.4.3.3. Each SLC shall be limited to only 80 percent of its total capacity at the time of initial installation.

1.5 **SUBMITTALS**

1.5.1 Submit shop drawings and product data.

- 1.5.1.1. Submit data consisting of shop drawings and catalog cut sheets complete with technical data required by the engineer to evaluate the material or equipment.
- 1.5.1.2. Include dimensions, wiring and block diagrams, performance data, ratings, control sequences, ladder logic programming, operational characteristics, and all other descriptive data necessary to describe the items proposed.

1.5.2 Submittal review is considered as general acceptance of the basic applicability of the equipment. The contractor is responsible for the installation of the equipment and/or alternate arrangement of the equipment within a given space. When the contractor desires to use substituted equipment, he shall be responsible for producing his own coordinated working drawings which depict the substituted equipment accommodated in the space. Where substituted equipment creates the need for alterations to any portion of the work depicted in the contract documents, it shall be the contractor's responsibility to notify all the affected parties and coordinate these

items with all other trades. Further, it shall be the contractor's responsibility to assume any additional cost to the contract created by the substituted equipment.

- 1.5.3 All materials and equipment the contractor proposes to furnish shall be submitted to the engineer for review and shall comply with the requirements of this section. Data shall be complete in all respects. Partial or incomplete submittals are not acceptable.
- 1.5.4 The contractor further agrees that if deviations, discrepancies, or conflicts between shop drawings and the specifications are discovered either prior to or after shop drawing submittals are processed by the engineer, the design specifications shall control and be followed. Review of submittal data shall in no way relieve the contractor of his duty to perform all work and provide all equipment in strict compliance with the requirements set forth on the specifications herein.
- 1.5.5 The contractor shall submit detailed shop drawings for approval of all equipment to be constructed and installed. Such shop drawings shall be complete, giving all required information, and shall be properly checked and coordinated with the work of other trades before submission. No work shall be performed until application shop drawings and layout drawings have been approved by the engineer.
- 1.5.6 Submit Shop Drawings:
 - 1.5.6.1. Include dimensions, wiring and block diagrams, conduit sizes, performance data, ratings, control sequences, and all other descriptive data necessary to describe the item proposed and its operating characteristics.
 - 1.5.6.2. Shop drawings shall include complete scaled floor plans of area of construction and shall include locations of all equipment and devices to be installed.
- 1.5.7 Submit complete technical data necessary to evaluate the material and equipment. Include a complete technical specification for the submitted equipment, noting differences and adherence to this section.
- 1.5.8 Submit a list of at least ten (10) facilities of equal size and technical requirements utilizing the equipment submitted.

For each facility, list:

 - 1.5.8.1. Name and location of facility.
 - 1.5.8.2. Date of occupancy by owner.
 - 1.5.8.3. Owner's representative to contact and telephone number.
 - 1.5.8.4. Construction Manager or General Contractor.
 - 1.5.8.5. Architect.
 - 1.5.8.6. Provide information on the installed locations with operational equipment.
- 1.5.9 Submit a certified financial statement from the equipment manufacturer and fire alarm system installer.

- 1.5.10 For equipment mounting requiring coordination with other trades, obtain templates and equipment anchor bolts for mounting preparation; e.g., back boxes, cabinets, or other devices requiring mounting to the structure(s) or other materials. Coordinate the delivery of templates and equipment anchor bolts to preclude any delay in the construction schedule or the work of the affected trade.
- 1.5.11 Prior to substantial completion, provide 'project record' schematic drawings depicting location of interface, number of conductors, types of connectors, circuit requirements, and type of enclosure.
- 1.5.12 Miscellaneous: Field test reports.
- 1.6 **QUALITY ASSURANCE**
- 1.6.1 Qualifications of the manufacturer: Documented successful work experience of at least ten (10) facilities of equivalent size and technical requirements utilizing the equipment proposed to be used.
- 1.6.2 Fire Alarm System Installer shall have no less than five (5) years of documented work experience on projects of equivalent size and similar scope.
- "Experience" is defined as the completion of an operational fire alarm system, with the system being successfully operated by the owner for its intended purpose for at least one (1) year.
- 1.6.3 The system and its components must be manufactured by a company engaged in the manufacturing of the specific equipment for a minimum of five (5) years.
- 1.6.3.1 Use the products of a single manufacturer for similar type equipment; i.e., horn/strobe units, smoke detectors, etc.
- 1.6.3.2 Use products made by companies regularly engaged in the manufacturing of the type equipment specified.
- 1.6.4 Equipment specifications may not deal individually with every part, control, or device, which may be required to produce the equipment performance specified or as required to meet the equipment warranties. Include such items, as required, for a complete operational system, whether or not specifically indicated.
- 1.6.5 Coordinate with other applicable trades in the submittal of shop drawings.
- Shop drawings shall detail space conditions to accommodate other concerned trades, subject to final review by the Engineer.
- 1.6.6 If installation of equipment, raceways, cable trays, and/or conduit is performed prior to coordination with other trades, which interferes with the work of other trades, make necessary changes to correct the condition at no additional cost to the owner.

1.6.7 Referenced Standards:

1.6.7.1. Americans with Disabilities Act (ADA):

Accessibility Guidelines for Buildings and Facilities (ADAAG).

1.6.7.2. FM Global (FM):

- a. All applicable standards.
- b. All components FM approved.

1.6.7.3. National Electrical Manufacturers Association (NEMA).

1.6.7.4. National Fire Protection Association (NFPA):

- a. 70, National Electrical Code (NEC).
- b. 72, National Fire Alarm Code.

1.6.7.5. Underwriters Laboratories, Inc. (UL):

- a. 38, Standard for Safety Manually Activated Signaling Boxes.
- b. 268, Standard for Safety Smoke Detectors for Fire Protective Signaling Systems.
- c. 268A, Standard for Safety Smoke Detectors for Duct Applications.
- d. 464, Standard for Safety Audible Signaling Appliances.
- e. 497B, Standard for Safety Protectors for Data Communication and Fire Alarm Circuits.
- f. 521, Standard for Safety Heat Detectors for Fire Protective Signaling Systems.
- g. 864, Standard for Safety Control Units for Fire Protective Signaling Systems.
- h. 1971, Standard for Safety Visual Signaling Appliances.

1.6.7.6. Building Code:

- a. International Code Council (ICC):

International Building Code and associated standards, 2006 Edition including all amendments, referred to herein as Building Code.

- 1.6.7.7. Regulations of the:
- a. The Federal Government.
 - b. State of Florida.
 - c. County of Pasco.
 - d. Local Fire Authorities Having Jurisdiction (AHJ).

1.7 DESIGN CRITERIA

- 1.7.1 Provide a complete fire alarm system as described in the specifications below and according to criteria of the AHJ, NFPA and ADAAG.

Where system requirements described in the specifications below exceed those of the AHJ and/or NFPA, meet the requirements of both.

- 1.7.2 The fire alarm system shall be designed by a National Institute for Certification in Engineering Technologies (NICET), Level 3 or 4 fire alarm technician.

If required by State regulations, a professional engineer shall seal drawings submitted to the AHJ.

- 1.7.3 Provide a complete fire alarm system as described below and according to criteria of the AHJ, NFPA, ADAAG, and Building Code.

- 1.7.4 Where system requirements described below exceed those of the AHJ and/or NFPA, meet the requirements of both.

- 1.7.5 Main Detention Center Building:

Replace/upgrade existing fire alarm head end equipment (hardware/software) at existing EST remote network panels. Provide the latest GE/EST Signature Series fire alarm system upgrades at remote network panel locations. This includes, but is not limited to:

- 1.7.5.1. Remove existing EST IRC-3 modules and replace with new GE/EST Signature Series components.
- 1.7.5.2. Reuse existing EST remote fire alarm network panels for termination of existing fire alarm circuits/wiring. Provide new panel adjacent to existing EST remote network panel to house new GE/EST Signature Series components.
- 1.7.5.3. Replace existing fire alarm CPU workstation with new GE/EST Windows-based FCC CPU and monitor workstation in the Detention Center Central Control Room.
- 1.7.5.4. Fire Alarm Graphic Annunciators: Reuse all existing fire alarm graphic annunciators. Upgrade all existing graphic panel(s), including graphic

drivers, CPU drivers, associated hardware, and/or software, as required to integrate with new fire alarm system.

- 1.7.5.5. Verify and confirm operation and integrity of all existing fire alarm devices and supervisory circuits. Test and calibrate all remote smoke and heat detectors sensors and all other associated fire alarm devices and equipment.
- 1.7.5.6. Integrate existing remote EST Signature Series fire alarm panel and graphic annunciator panel in medical to new GE/EST Signature Series fire alarm system and provide capability to monitor at the new FCC in Central Control.
- 1.7.5.7. Connect all existing fire alarm remote devices in the main Detention Center Building to new GE/EST fire alarm system at the remote fire alarm panel locations. Existing remote devices included, but are not limited to:
 - a. Smoke detectors, heat detectors, and sensors.
 - b. Audible and visual annunciation and notification devices; horn/strobe units.
 - c. Manual pull stations.
 - d. Stand-alone fire suppression system(s); Halon.
 - e. Ansol system.
 - f. Duct detection sensor devices.
 - g. Sprinkler system waterflow and valve supervisory switches.
 - h. Fan shut-down controls.
 - i. Elevator recall and power shunt trip activation.
 - j. Magnetic door hold-open devices.
 - k. Natural gas shutoff valve.
- 1.7.5.8. Add heat detection/detectors/sensors in laundry room and boiler room. Connect devices to new GE/EST fire alarm system.

1.7.6 Sprung Housing Unit:

- 1.7.6.1. Replace existing Simplex remote fire alarm panel and remote fire alarm devices. This includes but is not limited to:
 - a. Remove existing Simplex remote fire alarm panel and replace with new GE/EST remote fire alarm panel.

- b. Remove existing Simplex area and duct smoke detectors and sensors and replace with new GE/EST devices.
 - c. Remove existing Simplex audible/visual devices and horn/strobes, and replace with new GE/EST devices.
 - d. Provide a new network connection from new GE/EST remote fire alarm panel in sprung housing unit to new FCC in the Central Control Room.
- 1.7.6.2. Provide complete fire detection and alarm system design wiring diagrams, interface wiring diagrams, and operational details by system manufacturer or authorized technical representative.
- 1.7.6.3. Submit documents after design has been approved by Authority Having Jurisdiction (AHJ).
- 1.7.6.4. Service Organization Qualifications:
- a. Offer an annual maintenance contract, including complete service and equipment costs for maintenance of complete system.
 - b. Ten (10) years experience minimum serving fire alarm systems.
 - c. Provide for twenty-four (24) hour emergency service.
- 1.7.6.5. Conduct any demolition and/or upgrade to existing fire alarm system(s) in all areas of the detention facility in a manner and schedule that does not interfere with continued uninterrupted operations of the detention facility and security. Coordinate installation time and schedule with approval of the owner.

1.8 RECORD DOCUMENTS

Provide complete project record drawings identifying system architecture and component distribution.

1.9 WARRANTY

1.9.1 Warranty Period: One (1) year commencing from the date of final acceptance.

1.9.2 The contractor shall agree to repair or replace defective security components/materials and to correct defective work when given notice during the warranty period.

1.9.3 Warranty response time to be within twelve (12) hours upon receipt of request from the owner during normal working hours.

1.10 **PRODUCT DELIVERY, STORAGE AND HANDLING**

- 1.10.1 Protect materials stored on the job site. Protect materials during construction and after installation. Provide protection of equipment until time of substantial completion.
- 1.10.2 Provide and apply protective material immediately upon receiving the products and maintain throughout the construction process.
- 1.10.3 Keep products clean and dry, elevating equipment above ground and floor.
- 1.10.4 Take precautions to protect apparatus and materials from damage.
- 1.10.5 Failure to protect materials constitutes sufficient cause for rejection of the apparatus or material.
- 1.10.6 Protect factory finish from damage during construction operations and until final acceptance. Restore finishes that become stained, scratched, or damaged.

1.11 **EXTRA MATERIALS**

Provide owner with:

- 1.11.1 Two (2) smoke detectors as spares.
- 1.11.2 Two (2) heat detectors as spares.
- 1.11.3 Three (3) sets of keys shall be provided and appropriately identified.
- 1.11.4 One (1) factory box for each component and addressed to the manufacturer to facilitate factory return for repair.
- 1.11.5 Written procedures for obtaining return authorization. (If not required, state so in writing.)

1.12 **PROJECT CONDITIONS**

Active Services: Protect existing active services, water, gas, sewer, and electric, when encountered, against damage. If active services are encountered which require relocation, notify the architect promptly in writing, with a copy to the owner's designated representative.

2.0 PART 2 - PRODUCTS

2.1 **ACCEPTABLE MANUFACTURERS**

2.1.1 Subject to compliance with the contract documents, the following manufacturers are acceptable:

2.1.1.1. Fire alarm system: GE/EST Edwards Systems Technology and no substitutions.

2.1.1.2. Manufacturer must have local service organization.

2.1.2 All Equipment:

2.1.2.1. UL listed as a product of a single manufacturer under appropriate category.

2.1.2.2. Equipment shall not be modified or installed to alter or void UL label or listing.

2.1.2.3. FM approved.

2.1.2.4. Approved by Fire Marshal, as required by State or local codes.

2.2 **FIRE COMMAND CENTER (FACP) CPU WORKSTATION**

2.2.1 The new replacement shall perform operations as described in fire alarm system operation.

2.2.2 The fire alarm system shall have 100 point minimum initiating device capacity with the capability to add additional 100 point minimum initiating device control modules.

2.2.3 Construction shall be modular with solid-state, microprocessor-based electronics.

The FCC graphic user interface (GUI) monitor display shall indicate alarms, supervisory service conditions, and any troubles.

2.2.4 Provide necessary switches, relays, indicator lamps, wiring terminals, etc., to provide complete operation, supervising, control, and testing facilities for the entire system.

2.2.5 The FCC GUI shall allow for loading or editing special instructions and operating sequences, as required.

2.2.5.1. The system shall be capable of on-site programming to accommodate and facilitate expansion, building parameter changes, or changes as required by local codes.

2.2.5.2. All software operations shall be stored in a nonvolatile programmable memory within the FCC CPU.

2.2.6 The system shall have provisions for disabling and enabling all circuits individually for maintenance and testing purposes.

- 2.2.7 The system shall be capable of logging and storing 300 events in an alarm log and 300 events in a trouble log.
- 2.2.7.1. These events shall be stored in a battery-protected random access memory.
 - 2.2.7.2. Each recorded event shall include time and date of that event's occurrence.
 - 2.2.7.3. The system shall have the capability of recalling alarms, trouble conditions, acknowledgments, silencing, and reset activities in chronological order for the purpose of recreating an event history.
- 2.2.8 The FCC CPU workstation shall be listed under UL 864.
- 2.2.9 Each addressable device shall be represented individually on a graphic floor plan displayed on the FCC monitor screen.
- 2.2.9.1. Indicate TROUBLE by a flashing visual icon/symbol on the FCC GUI display and distinctive audible tone for each supervised circuit.
 - 2.2.9.2. Indicate ALARM by a flashing visual icon/symbol on the FCC GUI display and distinctive audible tone for each alarm initiating addressable device.
 - 2.2.9.3. Include individual supervisory and alarm relays in each circuit arranged so that ground or open condition, in any circuit or group of circuits, will not affect proper operation of any other device.
- 2.2.10 The FCC shall include the capability to report alarm and trouble conditions via a telephone line to a third party alarm reporting services.
- 2.2.11 The FCC shall include a system-testing capability to help ensure that zoning and supervision have been maintained throughout the system.
- Actuation of the enable walk test program at the FCC shall activate "Walk-Test" mode of system which shall cause the following to occur:
- 2.2.11.1. City connection circuit shall be disconnected.
 - 2.2.11.2. Control relay functions shall be bypassed.
 - 2.2.11.3. The FCC shall indicate a trouble condition.
 - 2.2.11.4. Alarm activation of any initiation device shall cause audible signals to activate for minimum of two (2) seconds.
 - 2.2.11.5. The FCC shall automatically reset itself after code is complete.
 - 2.2.11.6. Any momentary opening of alarm-initiating or alarm-indicating circuit wiring shall cause audible signals to sound continuously for four (4) seconds to indicate trouble condition.

- 2.2.11.7. The system shall have seven (7) distinctive walk test groups such that only a portion of system need be disabled during testing and an alarm in any other area will be processed normally.
- 2.2.12 General Alarm Circuits: Positive noninterfering type so that a second device can be annunciated simultaneously, or closely following first zone.
- 2.2.13 Power Supply:
 - 2.2.13.1. Power limited operation per NFPA 70 Article 760.
 - 2.2.13.2. 120 VAC dedicated circuit from panel board to integral 24 VDC regulated power supply in remote fire alarm panel(s) and battery charger.

The power supply shall provide all panel and peripheral device power needs.
 - 2.2.13.3. If the remote fire alarm panel cannot provide power for the required number of notification appliances, a power extender shall be used.
 - a. An additional 120 VAC dedicated circuit from a panel board shall be used to power the power extenders power supply and battery charger.
- 2.2.14 Battery:
 - 2.2.14.1. Low maintenance sealed type, for fire alarm use with automatic battery charger.
 - 2.2.14.2. Batteries shall be capable of operating maximum normal load of system for twenty-four (24) hours and then capable of operating system for five (5) minutes in alarm condition.
 - 2.2.14.3. Size batteries for the total maximum number of devices that can be connected to the remote fire alarm panel, not the install number of devices.
 - 2.2.14.4. The notification appliance power extender shall have the same battery requirements as the fire alarm panel.
- 2.3 **GRAPHIC WORKSTATION - FCC**
 - 2.3.1 The FCC graphical workstation shall display a different color text for each message type and color graphic diagrams/floor plans. The graphical workstation shall simultaneously display the following system event views: system event display, graphical diagram display, event video, detailed event message/instructions, and user event log.
 - 2.3.2 The workstation shall be an IBM-compatible personal computer listed for UL Standards 864 (Control Units for Fire-Protective Signaling Systems) under categories UOJZ, APOU, as applicable. The workstation shall be capable of annunciation and control of all fire detection points.

2.3.3 The computer shall be minimum of a Pentium Processor 866 MHZ, 256 MB RAM, 40 GB hard drive, 21-inch monitor, keyboard and mouse. Installation of the computer or monitor shall be desktop mounting.

2.3.4 The software shall provide a multitasking-type environment that allows the user to run several applications simultaneously. The operating program shall run within a 32-bit operating system such as Windows® 2000. These Windows applications shall run simultaneously with other programs. The mouse or Alt-Tab keys shall be used to quickly select and switch between multiple applications. The operator shall be able to work in Microsoft Word, Excel, and other Windows-based software packages, while concurrently annunciating on-line alarms and monitoring functions.

2.4 **GRAPHIC WORKSTATION OPERATIONS**

2.4.1 The graphic workstation display screen shall be displayed into four (4) areas. When any event occurs:

2.4.1.1. The "list of events area" shall display the address of the alarm or off-normal point with type and description and time of the event in a prioritized color-coded event list. Highlighting an event in the event list area shall automatically cause the display of a graphical map and other three areas (described below) to display information relating to the highlighted event.

2.4.1.2. The "map area" shall display color graphical representation of the area location in which the alarm or off-normal device is located. It shall be possible for the operator to manually zoom down to any portion of a vector-based graphic without aliasing, artifacting, or pixilation of the image. Preset zoom levels shall not be considered equal.

2.4.1.3. The "event action area" shall display a customized set of written operator instructions for every state (alarm, trouble, restore, etc.) of each point. An event log shall record all events and operator actions to history for future review. An operator's log shall record operator's comments for each event in the system history with time and date.

2.4.1.4. The "image area" shall display a stored image of the device relating to the event highlighted in the event list area.

2.4.2 When processing fire alarm events the graphic workstation:

2.4.2.1. Shall be capable of acknowledging, silencing, and resetting all fire alarm functions.

2.4.2.2. Shall be capable of manually activating, deactivating, enabling, and disabling individual fire alarm points.

2.4.2.3. Shall be capable of generating status, maintenance, and sensitivity reports for fire alarm components.

2.4.3 Receipt of a fire alarm shall activate an audio WAV file over the workstation speakers alerting the operator to a fire alarm.

2.4.4 The FCC graphical workstation shall be EST FireWorks Series.

2.5 **REMOTE FIRE ALARM NETWORK PANELS**

2.5.1 Remote fire alarm network panels shall be provided to install new network panels.

2.5.1.1. The panels shall be enclosed metal cabinet designed to enclose microprocessor based electronic equipment.

2.5.1.2. The panels shall have integrated cylinder key lock. The panels shall be keyed alike.

2.5.1.3. Mounting: Surface mounted.

2.5.1.4. Finish: Beige baked enamel.

2.5.1.5. Panels shall be UL listed.

2.6 **ANALOG ADDRESSABLE SMOKE GENERAL**

2.6.1 Each analog addressable smoke detector's sensitivity shall be capable of being programmed individually as: most sensitive, more sensitive, normal, less sensitive, or least sensitive.

2.6.2 An alternate alarm sensitivity level shall be provided for each detector, which can be set to any of the five (5) sensitivity settings manually or automatically using a time of day event.

2.6.3 The detector's sensing element reference point shall automatically adjust, compensating for background environmental conditions such as dust, temperature, and pressure. Periodically, the sensing element real-time analog value shall be compared against its reference value. The detector shall provide a maintenance alert signal that eighty (80) percent to ninety-nine (99) percent compensation has been used. The detector shall provide a dirty fault signal that 100 percent compensation has been used.

2.6.4 The system shall allow for changing of detector types for service replacement purposes without the need to reprogram the system. The replacement detector type shall automatically continue to operate with the same programmed sensitivity levels and functions as the detector it replaced.

2.7 **SMOKE DETECTOR – PHOTOELECTRIC (IF REQUIRED)**

2.7.1 Provide new replacement analog/addressable photoelectric smoke detectors for any existing defective photoelectric smoke detectors.

2.7.2 The system shall have the ability to set the sensitivity and alarm verification of each of the individual detectors on the circuit. It shall be possible to automatically change

the sensitivity of individual analog/addressable detectors for the day and night periods.

2.7.3 Each smoke detector shall be capable of transmitting alarm signals as well as normal, trouble and need cleaning information. It shall be possible to program control panel activity to each level. Each smoke detector may be individually programmed to operate at any one of five (5) sensitivity settings.

2.7.4 Each detector microprocessor shall contain an environmental compensation algorithm that identifies and sets ambient environmental thresholds approximately six (6) times an hour. The microprocessor shall monitor the environmental compensation value and alert the system operator when the detector approaches eighty (80) percent and 100 percent of the allowable environmental compensation value.

2.7.5 The analog/addressable photoelectric smoke detector shall be an EST Model SIGA PS.

2.8 **HEAT DETECTORS - COMBINATION FIXED TEMPERATURE - RATE OF RISE**

2.8.1 Provide new analog/addressable combination fixed temperature/rate-of-rise detectors in the laundry and boiler room. The heat detector shall have a nominal fixed temperature alarm point rating of 135°F (57°C) and a rate of rise alarm point of 15°F (9°C) per minute. The heat detector shall be rated for ceiling installation at a minimum of seventy (70) foot (21.3m) centers and be suitable for wall-mount applications.

2.8.2 The analog/addressable combination fixed temperature/rate-of-rise detector shall be EST Model SIGA-HRS.

2.9 **DETECTOR BASES**

Detector Base - Standard:

2.9.1 Provide standard detector mounting bases suitable for mounting on either North American 1-gang, 3½ or 4-inch octagon box and 4-inch square box, or European BESA or 1-gang box.

2.9.2 The base shall contain no electronics and support all series detector types.

2.9.3 The standard detector base shall be an EST Model SIGA-SB.

2.10 **DUCT DETECTOR MOUNTING PLATE**

2.10.1 Where smoke detectors are directly inserted into low velocity ducts, 3 feet (0.91m) high X 3 feet (0.91m) wide, ceiling plenums or raised floors provide factory-supplied mounting plate assemblies to facilitate mounting the detectors. The mounting plate shall be code-gauge steel with corrosion-resistant red enamel finish. The detector mounting plate shall support an analog/addressable detector along with a standard relay or isolator detector-mounting base.

2.10.2 The duct detector mounting plate shall be an EST Model SIGA-DMP.

2.11 **DUCT DETECTOR HOUSING**

2.11.1 Provide smoke detector duct housing assemblies to mount an analog/addressable detector along with a standard relay or isolator detector mounting base. The housing shall also protect the measuring chamber from damage and insects. The housing shall utilize an air exhaust tube and an air sampling inlet tube that extends into the duct air stream up to ten (10) feet. Drilling templates and gaskets to facilitate locating and mounting the housing shall also be provided. The housing shall be finished in baked red enamel. Remote alarm LED indicators and remote test stations shall be provided.

2.11.2 The smoke detector duct housing shall be an EST Model SIGA-DH.

2.12 **MANUAL STATION - DOUBLE ACTION SINGLE STAGE**

2.12.1 Provide analog/addressable double action, single-stage fire alarm stations at the locations shown on the drawings. The fire alarm station shall be of polycarbonate construction and incorporate an internal toggle switch. A locked test feature shall be provided. The station shall be finished in red with silver "PULL IN CASE OF FIRE" lettering. The manual station shall be suitable for mounting on North American 2½ (64mm) deep 1-gang boxes and 1½ (38mm) deep 4-square boxes with 1-gang covers.

2.12.2 The analog/addressable double action, single stage fire alarm station shall be EST Model SIGA-278.

2.13 **NOTIFICATION APPLIANCES**

General - Signals:

2.13.1 All appliances which are supplied for the requirements of this specification shall be UL Listed for Fire Protective Service, and shall be capable of providing the "equivalent facilitation" which is allowed under the Americans with Disabilities Act (ADA) Accessabilities Guidelines (AG), and shall be UL 1971 Listed.

2.13.2 All appliances shall be of the same manufacturer as the fire alarm control panel, as specified, to insure absolute compatibility between the appliances and the control panels, and to insure that the application of the appliances are done in accordance with the single manufacturer's instructions.

2.13.3 Any appliances that do not meet the above requirements and are submitted for use must show written proof of their compatibility for the purpose intended. Such proof shall be in the form of documentation from all manufacturers that clearly states that their equipment, as submitted, is 100 percent compatible with each other for the purpose intended. All strobes shall be provided with lens markings oriented for wall mounting.

2.13.4 All notification appliances shall be red unless noted otherwise on the drawings.

2.14 **LOW PROFILE HORN-STROBES**

2.14.1 Provide low profile wall mount horn/strobes at the locations shown on the drawings. The horn/strobe shall provide an audible output of eighty-four (84) dBA at ten (10) feet when measured in reverberation room per UL-464. The strobes shall provide synchronized flash outputs. The strobe output shall be determined as required by its specific location and application from a family of 15cd, 30cd, 60cd, 75cd, and 110cd devices. The horn shall have a selectable steady or synchronized temporal output. In and out screw terminals shall be provided for wiring. Low profile horn/strobes shall mount in a North American 1-gang box.

2.14.2 The low profile wall mount horn/strobes shall be EST Genesis Series.

2.15 **INITIATION & CONTROL MODULES (IF REQUIRED)**

Intelligent Modules - General:

2.15.1 It shall be possible to address each intelligent module without the use of DIP or rotary switches.

2.15.2 Devices using DIP switches for addressing shall not be acceptable.

2.15.3 The personality of multifunction modules shall be programmable at the site to suit conditions and may be changed at any time using a personality code downloaded from the analog loop controller.

2.15.4 Modules requiring EPROM, PROM, ROM changes or DIP switch, and/or jumper changes shall not be acceptable.

2.15.5 The modules shall have a minimum of two (2) diagnostic LEDs mounted behind a finished cover plate. A green LED shall flash to confirm communication with the loop controller. A red LED shall flash to display alarm status.

2.15.6 The module shall be capable of storing up to twenty-four (24) diagnostic codes which can be retrieved for troubleshooting assistance.

2.15.7 Input and output circuit wiring shall be supervised for open and ground faults.

2.15.8 The module shall be suitable for operation in the following environment:

2.15.8.1. Temperature: 32°F to 120°F (0°C to 49°C).

2.15.8.2. Humidity: 0-93 percent RH, noncondensing.

2.15.9 Initiation and control modules may include one (1) or more of the following types:

2.15.9.1. Control Relay Module.

2.15.9.2. Dual Input Module.

2.15.9.3. Dual Input Signal Module.

- 2.15.9.4. Isolator Module.
- 2.15.9.5. Monitor Module.
- 2.15.9.6. Single Input Module.
- 2.15.9.7. Single Input Signal Module.
- 2.15.9.8. Universal Class AB Module.
- 2.15.9.9. Waterflow-Tamper Module.

2.16 **AUTOMATIC CONTROL DEVICES**

Addressable relay/control modules: Allows FCC to control a remotely located Form "C" Contact (e.g., HVAC fans, dampers, fire shutters, elevator capture, etc.).

2.17 **MISCELLANEOUS DEVICES**

Isolated loop circuit protector (transient suppression): Hybrid solid state high performance suppression system.

- 2.17.1.1. Do not use gas tubes, spark gaps, or other suppression system components which might short or crowbar the line resulting in interruption of normal power flow to connected loads.
- 2.17.1.2. Line-to-line response time of less than one (1) nanosecond capable of accepting 2,000 amps (8 X 20 usec pulse) at 28 V.
- 2.17.1.3. Line-to-ground response time of less than one (1) nanosecond capable of accepting 2,000 amps (8 X 20 usec pulse) to earth.
- 2.17.1.4. Shield-to-ground shall be capable of accepting 5,000 amps (10 X 50 usec pulse) to earth.
- 2.17.1.5. Standard: UL 497B.

2.18 **POWER SUPPLIES**

- 2.18.1 Each system power supply shall be a minimum of six (6) amps at 24 VDC.
- 2.18.2 Upon failure of normal (AC) power, the affected portion(s) of the system shall automatically switch over to secondary power without losing any alarm, trouble or operator acknowledgment signals.
- 2.18.3 Each system power supply shall be individually annunciated and shall identify the inoperable power supply in the event of a trouble condition.
- 2.18.4 All standby batteries shall be continuously monitored by the system. Low battery and disconnection of battery power supply conditions shall immediately annunciate as a trouble signal, identifying the deficient batteries.

- 2.18.5 All system power supplies shall be capable of recharging their associated batteries from a fully discharged condition to a capacity sufficient to allow the system to perform consistent with the requirements of this section, in forty-eight (48) hours maximum.
- 2.18.6 All AC power connections shall be to the building's designated emergency electrical power circuit and shall meet the requirements of Section 1-5.2 of NFPA 72 - 1999. The AC power circuit shall be installed in conduit raceway. The power circuit disconnect means shall be clearly labeled FIRE ALARM CIRCUIT CONTROL and shall have a red marking. The location of the circuit disconnect shall be labeled permanently inside the each control panel.
- 2.18.7 The power supply shall be an EST Model 2-PPS/6A.

2.19 **WIRING**

Conductors:

- 2.19.1 Insulation type per NEC 760.
- 2.19.2 120 VAC and power supply connections: 12 GA, minimum.
- 2.19.3 Low-voltage general alarm circuits: 14 GA, minimum.
- 2.19.4 Low-voltage signal initiating circuits: 18 GA, minimum.
- 2.19.5 Annunciator and data communication circuits: As required by manufacturer, UL listed.
- 2.19.6 Use larger wire sizes when recommended by equipment manufacturer and per voltage drop calculations.

2.20 **SYSTEM OPERATION**

- 2.20.1 Activation of any signal initiating device, except tamper switches, shall cause the following:
- 2.20.1.1. General audible horns and/or bells to sound, visual strobes-to-strobe, and automatic control devices to operate.
 - 2.20.1.2. Alarm information shall be displayed at the FCC display monitor and existing fire alarm graphic annunciators.
- 2.20.2 All fire alarm signals are automatically locked in at the FCC display monitor and existing remote displayed annunciators until originating device is returned to normal and FCC is manually reset.

Audible alarm signals shall be silenceable from the FCC allowing for reinitiation following a subsequent alarm.

Silencing of alarm signals shall not impair ability of the system to continue to perform as specified.

2.20.3 Air handling equipment fan control:

- 2.20.3.1. De-energize indicated air-handling equipment and interlocked exhaust fans upon operation of any alarm-initiating device via relay/control module (and all smoke dampers shall close).
- 2.20.3.2. Fans shall not restart until the FCC is manually reset.

2.20.4 Activation of any system trouble shall initiate the following:

- 2.20.4.1. Common audible trouble signal shall sound and common trouble light shall illuminate at the FCC display monitor and any remote annunciators.
- 2.20.4.2. The FCC display monitor shall indicate specific device.

2.20.5 Audible trouble signal shall be silenceable by the FCC GUI.

Visual trouble indication remains until trouble condition is corrected.

- a. A subsequent trouble condition received after manually silencing shall cause audible trouble signal to resound.
- b. Restoration of system to normal causes audible trouble signal to automatically silence.

2.20.6 Trouble signal will be initiated under any of the following conditions:

- 2.20.6.1. Open on an initiation or alarm indicating circuit.
- 2.20.6.2. Open in wiring to remote annunciator(s).
- 2.20.6.3. Ground fault condition.
- 2.20.6.4. Auxiliary manual control switch out of normal position.
- 2.20.6.5. Loss of 120 volt operating power to the FCC, transponders, or remote annunciators.
- 2.20.6.6. Low or no battery voltage condition.
- 2.20.6.7. Main sprinkler valve is closed.
- 2.20.6.8. Post indicator valve is closed.
- 2.20.6.9. Any sprinkler or standpipe OS&Y valve is closed.

3.0 **EXECUTION**

3.1 **INSTALLATION**

- 3.1.1 Reuse all existing conduit, raceways, and boxes for existing remote devices and equipment replacement and/or upgrades when possible.
- 3.1.2 Install all new fire alarm equipment and wiring in accordance with local and national codes and NFPA 72.
- 3.1.3 Install all wiring in raceways:
 - 3.1.3.1. Install raceways and boxes in accordance with NEC latest edition.
 - 3.1.3.2. The inside of all boxes are to be painted red.
- 3.1.4 Install all components as indicated and in accordance with the manufacturer's wiring diagrams, instructions, and recommendations.
- 3.1.5 Make all fire alarm wiring continuous from terminal to terminal or from terminal to device pigtail lead.
 - 3.1.5.1. Circuit splices not permitted.
 - 3.1.5.2. Wiring joints, only when required at device pigtail leads shall utilize Scotchlok insulate conical spring connector.
- 3.1.6 Color code all wiring by type of device.
 - Coordinate colors with the owner.
- 3.1.7 Installation of equipment and devices that pertain to other work in the contract shall be closely coordinated with appropriate subcontractors.
- 3.1.8 Cover all new smoke detectors with plastic bags immediately after installation to maintain cleanliness.
- 3.2 **TESTING**
 - 3.2.1 Obtain services of a factory-trained representative of the system manufacturer to supervise installation and its progress, supervise final connections to equipment, and provide testing to assure that the system is in proper operating condition and is in compliance with all applicable regulations.
 - 3.2.2 Test the system to the satisfaction of the engineer; State and local fire authorities in accordance with NFPA 72; State and local codes; and the manufacturer's requirements.
- 3.3 **INSTRUCTION**
 - The manufacturer shall provide an authorized representative to instruct and train fire department personnel and the owner's personnel in the operation of the system.

END OF SPECIFICATIONS

END OF SPECIFICATIONS

BID FORM

Business Name: _____

Item No.	Description	Lump Sum Bid
1.	Provide labor and material to upgrade the fire alarm system at Location No. 353, Pasco County Sheriff's Office, Detention Center, 20101 Central Boulevard, Land O' Lakes, Florida, per specifications.	_____

Manufacturer: _____ Warranty: _____

Contractor will begin work within _____ days after receipt of Purchase Order.

Complete _____ days after start

Drawings of the existing fire alarm system can be viewed in the office of the Facilities Management Department located at 7220 Osteen Road, New Port Richey, Florida. Duplicates will not be available.

"We offer to sell/provide Pasco County, Florida, the above item(s) and/or service(s) at the price(s) stated, in accordance with the terms and conditions contained herein. In addition, the item(s) and/or service(s) offered above meet all specifications contained herein or attached, unless otherwise stipulated by exception. This offer to sell/provide is firm for ninety (90) days."

MUST BE SIGNED BY AN OFFICER OF THE FIRM OR INCLUDE WRITTEN PROOF THAT THE INDIVIDUAL SIGNING HAS THE AUTHORITY TO OBLIGATE THE FIRM.

(Signature of Bidder—Ink)

(Printed Name and Title)

(Business Name)

Receipt of Addendum No. _____ through No. _____ is acknowledged.

Business Name: _____
(The Name on File with the Internal Revenue Service)

Doing Business as (Fictitious Name): _____

Business Organization:

Corporation:

Partnership: General Limited

Limited Liability Company (LLC):

State Registered In: _____ Year: _____

Sole Proprietorship: Owner: _____

Other: _____

Telephone: _____

Facsimile: _____

Address: _____

Date: _____, _____