



EDINBURG CONSOLIDATED INDEPENDENT SCHOOL DISTRICT  
 PURCHASING DEPARTMENT  
 411 North 8<sup>th</sup>/DRAWER 990  
 EDINBURG, TEXAS 78541  
 PH: (956) 289-2311  
 FX: (956) 383-7687

## Request for COMPETITIVE SEALED PROPOSALS

NO: 20-32

TITLE: NEW SECURITY ALARM SYSTEMS  
 FOR TRUMAN, CANO-GONZALEZ &  
 CAVAZOS ELEMENTARIES

This Proposal includes the following forms:

- Intent to Bid
- Vendor Check List
- Standard Terms & Conditions
- Felony Conviction Notification
- Conflict of Interest Questionnaire
- Certification of Interested Parties Example
- Deviation Form
- Authorization for W-9/Direct Deposit
- Special Terms & Conditions
- Specifications
- ATTACHMENT: Proposal Form

CLOSING TIME/DATE:

Closing Time: 4:30 P.M.

Closing Date: December 18, 2019

BUYER:

Jacqueline Kingan, Senior Buyer

Phone: 956-289-2311, Ext.2137

Fax: 956-383-7687

Email: [j.kingan@ecisd.us](mailto:j.kingan@ecisd.us)

DELIVER BIDS TO:

Edinburg CISD

Office of the Purchasing Coordinator

411 North 8<sup>th</sup> Ave, 2<sup>nd</sup> Floor

Edinburg, TX 78541

 11/21/19  
 Purchasing Coordinator Date

DATE WEBBED: November 22, 2019

\*Do not deliver Bids/CSPs/RFPs/RFQs to other ECISD locations. All Bids/CSPs/RFPs/RFQs must be delivered to the delivery address above on or before the Bids/CSPs/RFP/RFQs closing time/date. Purchasing will not be responsible for late submittals as per Board Policy CH (LOCAL).

## Vendor Certification

The undersigned, by his/her signature, represents the he/she is authorized to bind the bidder to fully comply with the terms and conditions on this bid, including all forms and attachments included herein, for the amount(s) shown on the accompanying bid form(s), if accepted within sixty (60) calendar days after bid opening. **Note: Bidder is strongly encouraged to read the entire Solicitation prior to submitting. Failure to provide the above information in its entirety may be grounds for disqualification of response.**

Firm Name: \_\_\_\_\_

Telephone 1-800-\_\_\_\_\_

Address: \_\_\_\_\_

Or: \_\_\_\_\_

City: \_\_\_\_\_

Fax: \_\_\_\_\_

State: \_\_\_\_\_ Zip: \_\_\_\_\_

Web Address: \_\_\_\_\_

Email: \_\_\_\_\_

\_\_\_\_\_  
 (Signature of Person Authorized to Sign Bid)

Date: \_\_\_\_\_

Title: \_\_\_\_\_

Printed Name: \_\_\_\_\_

(Please print or type name above)

I can deliver in \_\_\_\_\_ days. Early Payment Discount \_\_\_\_\_% if Paid in \_\_\_\_\_ Days, Net 30

## INTENT TO BID

Fax, this page only, if solicitation was not faxed or e-mailed directly to your company. All other solicitation documents must be enclosed in a sealed envelope and mailed to the Purchasing Department.

This page is required if solicitation was downloaded without receiving an invitation by the District. Please complete and fax to 956-383-7687 immediately in order to be added to the vendor list and receive addendums or updates regarding this solicitation. It is the intent of the Purchasing Department to ensure that all interested vendors receive addendums or updates, but it will be the vendor's responsibility to check the Purchasing site periodically. If there are addendums posted on the site and your company has not been notified by fax or e-mail, it will be the vendor's responsibility to download from Purchasing site and make sure to include with their packet.

The Edinburg CISD Purchasing solicitations and addendums are available on line at [www.ecisd.us](http://www.ecisd.us).

NAME: \_\_\_\_\_

TITLE: \_\_\_\_\_

ORGANIZATION: \_\_\_\_\_

STREET ADDRESS: \_\_\_\_\_

STREET ADDRESS 2: \_\_\_\_\_

CITY: \_\_\_\_\_

STATE: \_\_\_\_\_

ZIP CODE: \_\_\_\_\_

WORK PHONE: \_\_\_\_\_

FAX: \_\_\_\_\_

E-MAIL: \_\_\_\_\_

WEB SITE: \_\_\_\_\_

## VENDOR CHECK LIST

- |   |     |     |     |    |
|---|-----|-----|-----|----|
| 1. Signed Standard Terms & Conditions                             | ___ | Yes | ___ | No |
| 2. Signed Felony Conviction Notification                          | ___ | Yes | ___ | No |
| 3. Signed Conflict of Interest Questionnaire                      | ___ | Yes | ___ | No |
| 4. Signed Deviation Form  | ___ | Yes | ___ | No |
| 5. Read and understood Special Terms & Conditions                 | ___ | Yes | ___ | No |
| 6. Filled out Bid Form  | ___ | Yes | ___ | No |
| 7. Completed & submitted W9/Authorization for Direct Deposit Form | ___ | Yes | ___ | No |
| 8. Signed Certification of Interested Parties (Form 1295)         | ___ | Yes | ___ | No |
| 9. Completed & signed Vendor Check List                           | ___ | Yes | ___ | No |

I have read all the specifications and general bid requirements and do hereby certify that all items submitted meet all specifications, conditions, and instructions of said solicitation, and will follow District policy DBD (Local). The signature below confirms that our company will enter into a binding contract with Edinburg CISD for item(s) awarded to our company.

\_\_\_\_\_  
Company Name

\_\_\_\_\_  
Print/Type Signature Name

\_\_\_\_\_  
Authorized Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Official Title

## STANDARD TERMS & CONDITIONS

(REVISED SEPTEMBER 2018)

PLEASE READ THE FOLLOWING CAREFULLY, AND RETURN THE SIGNATURE PAGE WITH YOUR BID OR PROPOSAL.

The following terms and conditions are requirements that are binding upon the vendor awarded the bid and they communicate the Edinburg School District's expectations in regard to the bidder's performance in connection with the district's purchase.

1. **Seller of Package Goods:** Seller will package goods in accordance with good commercial practice. Each shipping container shall be clearly and permanently packed as follows:
  - a. Seller's name and address;
  - b. Consignee's name, address and purchase order or purchase release number and the supply agreement number if applicable;
  - c. Container number and total number of containers, e.g. box 1 of 4 boxes; and the number of the container bearing the packing slip.
  - d. Seller shall bear cost of packaging unless otherwise provided.
  - e. Goods shall be suitably packed to secure lowest transportation costs and to conform to requirements of common carriers and any applicable specifications.
  - f. Buyer's count or weight shall be final and conclusive on shipments not accompanied by packing lists.
2. **Shipment under Reservation Prohibited:** Seller is not authorized to ship the goods under reservation and no tender of a bill of lading will operate as a tender of goods.
3. **Title and Risk of Loss:** The title and risk of loss of the goods shall not pass to Buyer until Buyer actually receives and takes possession of the goods at the point or points of delivery.
4. **Delivery Terms and Transportation Charges:** F.O.B. Destination Freight Prepaid unless terms are specified otherwise in bid.
5. **No Placement of Defective Tender:** Every tender or delivery of goods must fully comply with all provisions of this contract as to time of delivery, quality and the like. If a tender is made which does not fully conform, this shall constitute a breach and Seller shall not have the right to substitute a conforming tender provided, where the time for performance has not yet expired, the Seller may reasonably notify Buyer of his intention to cure and may then make a conforming tender within the contract time but not afterward.
6. **Place of Delivery:** The place of delivery shall be that set forth on the purchase order. Any change thereto shall be effected by modification as provided for in Clause 20, "Modifications," hereof. The terms of this agreement are "no arrival, no sale."
7. **Invoices:** Seller shall submit separate invoices, in duplicate, on each purchase order after each delivery. Invoices shall indicate the purchase order number, shall be itemized and transportation charges, if any, shall be listed separately. A copy of the bill of lading, and the freight weight bill when applicable, should be attached to the invoice. Mail to:

**Edinburg Consolidated Independent School District**  
**Attn.: Accounts Payable Department**  
**Drawer 990**  
**Edinburg, Texas 78540-0990**
8. **Payments:** The payment shall not be due until the above instruments are submitted after delivery. Suppliers should keep the Accounts Payable Department advised of any changes in your remittance addresses.
9. **Taxes:** Do not include Federal Excise, State or City Sales Tax. School District shall furnish tax exemption certificate, if required.
10. **Gratuities:** The Buyer may, by written notice to the Seller, cancel this contract without liability to Seller if it is determined by Buyer that gratuities, in the form of entertainment, gifts, or otherwise, were offered or given by the Seller, or any agent, or representative of the Seller, to any officer or employee of the School District with a view toward securing a contract or securing favorable treatment with respect to the awarding or amending or the making or any determinations with respect to the performing of such a contract. In the event this contract is canceled by Buyer pursuant to this provision, Buyer shall be entitled, in addition to any other rights and remedies, to recover or withhold the amount of the cost incurred by Seller in providing such gratuities.
11. **Special Tools and Test Equipment:** If the price stated on the face hereof includes the cost of any special tooling or special test equipment fabricated or required by Seller for the purpose of filling this order, such special tooling equipment and any process sheets related thereto shall become the property of the Buyer and to the extent feasible shall be identified by the Seller as such.
12. **Warranty Price:** The price to be paid by the Buyer shall be that contained in Seller's bid which Seller warrants to be no higher than Seller's current prices on orders by others for products of the kind and specification covered by this agreement for similar quantities under similar or like conditions and methods of purchase. In the event Seller breaches this warranty, the prices of the items shall be reduced to the Seller's current prices on orders by others, or in the alternative, Buyer may cancel this contract without liability to Seller for breach or Seller's actual expense. The Seller warrants that no person or selling agency has been employed or retained to solicit or secure this contract upon an agreement or understanding for commission, percentage, brokerage, or contingent fee excepting bona fide employees of bona fide established commercial or selling agencies maintained by the Seller for the purpose of securing business. For breach or violation of this warranty, the Buyer shall have the right in addition to any other right or rights to cancel this contract without liability and to deduct from the contract price, or otherwise recover the full amount of such commission, percentage, brokerage or contingent fee.

13. **Warranty Products:** Seller warrants that the goods furnished will conform to the specifications, drawings and descriptions listed in the bid invitation and to the sample(s) furnished by Seller, if any. In the event of a conflict between the specifications, drawings and descriptions, the specifications shall govern. Seller shall not limit or exclude any implied warranties and any attempt to do so shall render this contract voidable at the option of the Buyer.
14. **Safety Warranty:** Seller warrants that the product sold to Buyer shall conform to the standards promulgated by the U.S. Department of Labor under the Occupational Safety and Health Act (OSHA) of 1970. In the event the product does not conform to OSHA standards, Buyer may return the product for correction or replacement at the Seller's expense. In the event Seller fails to make the appropriate correction within 15 working days, correction made by Buyer will be at Seller's expense.
15. **No Warranty by Buyer against Infringements:** As part of this contract for sale, Seller agrees to ascertain whether goods manufactured in accordance with the specifications attached to this agreement will give rise to the rightful claim of any third person by way of infringement or the like. Buyer makes no warranty that the production of goods according to the specification will not give rise to such a claim, and in no event shall Buyer be liable to Seller for indemnification in the event that Seller is sued on the grounds of infringement or the like. If Seller is of the opinion that an infringement or the like will result, the Seller will notify Buyer to this effect in writing within two weeks after the signing of this agreement. If Buyer does not receive notice and is subsequently held liable for the infringement or the like, Seller will hold Buyer harmless. If Seller in good faith ascertains that production of the goods in accordance with the specifications will result in infringement or the like, this contract shall be null and void except that Buyer will pay Seller the reasonable cost of his search as to infringements.
16. **Right of Inspection:** Buyer shall have the right to inspect the goods at delivery before accepting them.
17. **Cancellation:** Buyer shall have the right to cancel for default all or any part of the undelivered portion of this order if Seller breaches any of the terms hereof including warranties of Seller or if the Seller becomes insolvent or commits acts of bankruptcy. Such right of cancellation is in addition to and not in lieu of any other remedies, which Buyer may have in law or equity.
18. **Termination:** The performance of work under this order may be terminated in whole or in part by the Buyer in accordance with this provision. Termination of work there under shall be effected by the delivery to the Seller of a "Notice of Termination" specifying the extent to which performance of work under the order is terminated and the date upon which such termination becomes effective. Such right of termination is in addition to and not in lieu of rights of Buyer set forth in Clause 15, herein.
19. **Force Majeure:** If by reason of Force Majeure, either party hereto shall be rendered unable wholly or in part to carry out its obligations under this Agreement then such party shall give notice and full particulars of Force Majeure in writing to the other party within a reasonable time after occurrence of the event or cause relied upon, and the obligation of the party giving such notice, so far as it is affected by such Force Majeure, shall be suspended during the continuance of the inability then claimed, except as hereinafter provided, but for no longer period, and such party shall endeavor to remove or overcome such inability with all reasonable dispatch. The term Force Majeure as employed herein, shall mean acts of God, strikes, lockouts, or other industrial disturbances, act of public enemy, orders of any kind of government of the United States or the State of Texas or any civil or military authority; insurrections; riots; epidemics; landslides; land sinkage; lighting; earthquake; fires; hurricanes; storms; floods; washouts; droughts; arrests; restraint of government and people; civil disturbances; explosions, breakage or accidents to machinery, pipelines or canals, or other causes not reasonably within the control of the party claiming such inability. It is understood and agreed that the settlement of strikes and lockouts shall be entirely within the discretion of the party having the difficulty, and that the above requirement that any Force Majeure shall be remedied with all reasonable dispatch shall not require the settlement of strikes and lockouts by acceding to the demands of the opposing party or parties when such settlement is unfavorable in the judgment of the party having the difficulty.
20. **Assignment Delegation:** No right or interest in this contract shall be assigned or delegation of any obligation made by Seller without the written permission of the Buyer. Any attempted assignment or delegation by Seller shall be wholly void and totally ineffective for all purposes unless made in conformity with this paragraph.
21. **Waiver:** No claim or right arising out of a breach of this contract can be discharged in whole or in part by a waiver or renunciation of the claim or right unless the waiver or renunciation is supported by consideration and is in writing signed by the aggrieved.
22. **Modifications:** This contract can be modified or rescinded only by a writing signed by both parties to the contract or their duly authorized agents.
23. **Interpretation Parole Evidence:** This writing is intended by the parties as a final expression of their agreement and is intended also as a complete and exclusive statement of the terms of their agreement. No course of prior dealings between the parties and no usage of the trade shall be relevant to supplement or explain any term used in this agreement. Acceptance or acquiescence in a course of performance rendered under this agreement shall not be relevant to determine the meaning of this agreement even though the accepting or acquiescing party has knowledge of the performance and opportunity for objection. Whenever a term defined by the Uniform Commercial Code is used in this agreement, the definition contained in the Code is to control.
24. **Applicable Law:** This agreement shall be governed by the Uniform Commercial Code. Wherever the term "Uniform Commercial Code" is used, it shall be construed as meaning the Uniform Commercial Code as adopted in the State of Texas effective and in force on the date of this agreement.
25. **Advertising:** Seller shall not advertise or publish, without Buyer's prior consent, the fact that Buyer has entered into this contract, except to the extent necessary to comply with proper requests for information from an authorized representative of the federal, state or local government.

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26. **Right to Assurance:** Whenever one party to this contract in good faith has reason to question the other party's intent to perform he/she may demand that the other party give written assurance of his/hers business intent to perform. In the event that a demand is made and no assurance is given within five (5) days, the demanding party may treat this failure as an anticipatory repudiation of the contract.
27. **Venue:** Both parties agree that venue for any litigation arising from this contract shall lie in Hidalgo County, Texas.
28. **Prohibition Against Personal Interest in Contracts:** Any board member which has any substantial interest, either direct or indirect, in any business entity seeking to contract with the district, shall, before any vote or decision on any matter involving the business entity, file an affidavit stating the nature and extent of interest and shall abstain from any participation in the matter. This is not required if the vote or decision will not have any special effect on the entity other than its effect on the public. However, if a majority of the governing body are also required to file, and do file similar affidavits, then the member is not required to abstain from further participation. Vernon's Texas Codes Annotated, Local Government Code. Chapter 171.
29. **Penalties for Non-Performance:** If, at any time, the contractor fails to fulfill or abide by the terms, conditions, or specifications of the contract, the Edinburg Consolidated Independent School District reserves the right to:
- Purchase on the open market and charge the contractor the difference between contract and actual purchase price, or
  - Deduct such charges from existing invoice totals due at the time, or
  - Cancel the contract within thirty (30) days written notification of intent
30. **Right to Investigate:**
- Capacity
  - Financial Information
  - Business Records (Federally Funded Contracts)
31. **Bidder Qualification:** Bidders not on the District's bid list, may be required to prove their qualifications concerning the following criteria:
- Financial capabilities
  - Bonding status
  - Contractual history (references)
  - Ability to fulfill and abide by the terms and specifications
  - Quality and stability of product and sources
32. **District Bid Forms:** Bid proposal not submitted on District's bid forms will be rejected. Faxed or e-mail submittals will not be accepted. These forms of submittals will be destroyed or deleted and the vendor will be notified immediately.
33. **Addendums:** In the event that it becomes necessary to clarify or revise this solicitation, such clarification or revision will be by an addendum. Any addendum will be posted on the District's Purchasing Website. It will be the vendor's responsibility to check the site for any and all addendums. Any addendums to this solicitation shall become part of this solicitation. It is also at the Districts discretion to fax or email addendums as deemed necessary.
34. **Delinquent School Taxes:** The Edinburg CISD shall not do business with any individual or company that is delinquent in the payment of their school taxes. In accordance with law, the District shall not enter into a contract or other transaction with a person indebted to the District, nor shall the District award a contract to or enter into a transaction with an apparent low Contractor or successful proposer indebted to the District.
- \_\_\_\_\_ I am not a delinquent taxpayer to the Edinburg CISD.
- \_\_\_\_\_ I am a delinquent taxpayer to Edinburg ISD (your bid may be disqualified if your debt is not cleared prior to award.)
35. **"OR EQUAL" Products:** Whenever an article or material is defined by describing a proprietary product or by using the name of a manufacturer, the term "or equal", if not inserted, shall be implied. The specified article or material shall be understood as indicating the type, function, minimum standard of design, efficiency, and quality desired and shall not be construed as to exclude other manufactured products of comparable quality, design and efficiency. The District reserves the right to waive any or all technicalities, and shall be the sole judge in determining equality, technicalities and formalities. Bidders offering substitute items must indicate manufacturer's name and model number.
36. **Deviation(s) –** Any deviation(s) to the specification(s) shall be listed on a separate sheet(s) of paper and attached to the bid response form identifying the section number, component(s) with deviation(s) and a clearly defined explanation for the deviation(s). It is the bidder's responsibility to submit a bid that meets all mandatory specifications stated within. Because of the variations in manufacturer's construction, the bidder must compare their product bid with the required listed minimum specifications and identify any deviations. Failure to properly identify deviations may render the bidder's proposal non-responsive and not capable of consideration for award. Bidders should note that a descriptive brochure of the model bid may not be sufficient or acceptable as proper identification of deviations from the written specifications.
37. **Right to award:** The District reserves the right to award the bid in its entirety, partially, or reject it. The District reserves the right to buy any and/or all supplies from any vendor.
38. **Right to increase or decrease quantities:** The District reserves the right to increase or decrease the number of articles called for in any item of the specifications or to eliminate items entirely. Bidder's proposal will be adjusted in accordance with the unit price quoted therein.

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- 39. **Renewal Option for Term Contracts:** There will be a renewal option to extend this term contracts, if applicable, for an additional one (1) year period if all parties agree to the renewal in writing and all bid prices, discounts, terms and conditions remain the same. In no instance shall this extension be considered automatic.
- 40. **Warranty & Guarantees:** Except as otherwise specified, the bidder warrants and guarantees all work against defects in materials, equipment or workmanship for one (1) year from the date of final acceptance. Upon receipt of written notice from the District of the discovery of any defects, the bidder shall remedy the defects and replace any property damaged there from occurring within the warranty and guarantee period.
- 41. **Evaluation Factors:** The bid award shall be based on the following evaluation factors:
  - a. the purchase price;
  - b. the reputation of the vendor and of the vendor's goods or services;
  - c. the quality of the vendor's goods or services;
  - d. the extent to which the goods or services meet the district's needs;
  - e. the vendor's past relationship with the district;
  - f. the total long-term cost to the district to acquire the vendor's goods or services
- 42. **Non-Collusive Bidding Certification:** By submission of this bid or proposal, the bidder certifies that:
  - a. This bid or proposal has been independently arrived at without collusion with any other bidder or with any competitor;
  - b. This bid or proposal has not been knowingly disclosed and will not be knowingly disclosed, prior to the opening of bids, or proposals for this project, to any other bidder, competitor or potential competitor;
  - c. No attempt has been or will be made to induce any other person, partnership or corporation to submit or not to submit a bid or proposal;
  - d. The person signing this bid or proposal certifies that he has fully informed himself regarding the accuracy of the statements contained in this certification, and under the penalties being applicable to the bidder as well as to the person signing in its behalf.
- 43. **EEOC Non-Discrimination Statement:** It is the policy of Edinburg CISD not to discriminate on the basis of sex, age, handicap, religion, race, color, or national origin in its educational programs.
- 44. **Conflict of Interest Disclosure:** Pursuant to Chapter 176, Texas Local Government Code, vendors doing or seeking to do business with Edinburg CISD must submit a Conflict of Interest disclosure form if they have a business relationship as defined by Section 176.001 (1-a) with a local government entity and meet the disclosure requirements of Section 176.006(a). A person commits an offense (Class C misdemeanor) if they knowingly violate Section 176.006, Local Government Code.
- 45. **Certificate of Interested Parties:** All Bids, CSPs, RFPs, RFQs prior to award or award of Contract by the School Board will require that the Texas Ethics Commission (TEC) Form 1295 Electronic (on line) Vendor filing procedure be completed by Vendor. All Vendors being recommended to the Board of Trustees for award or renewal of award on Agenda must register and obtain a TEC Certification for the specific award. This certification Form 1295 must be electronically submitted, printed and notarized. Notarized form must be submitted as a required form for this solicitation. There is no charge for this TEC online process.

Texas Ethics Commission (TEC) Form 1295 must be completed (by firm – on line "New Form 1295 Certificate of Interested Parties Electronic Filing Application" site at: [https://www.ethics.state.tx.us/whatsnew/elf\\_info\\_form1295.htm](https://www.ethics.state.tx.us/whatsnew/elf_info_form1295.htm)). The TEC website includes Question/Answers and Video instructions.

- 46. **Declaration of Business Location – Texas Education Code 44.031 (b)(8).** By signing below, Contractor certified the Contractor's or the Contractor's ultimate parent company or majority owner:

\_\_\_\_ A. Has its principal place of business in the State of Texas; OR \_\_\_\_ B. Employs at least 500 persons in the State of Texas  
 \_\_\_\_ C. Principal Place of business is not in the State of Texas: \_\_\_\_\_(City,State)

- 47. **Owner(s) Name of Business:** By signing below, Contractor certified the owner(s) name of the business submitting bid is/are: (Please print name(s) below. If not applicable, please indicate N/A.)


- 48. **Texas Historically Underutilized Business (HUB) - Texas Education Code 44.031(b)(6) or Small and Minority Firms, Women's Business Enterprises and Labor Surplus Area Firm:** Contractor certified the Bidder's company is HUB certified with the State of Texas.

\_\_\_\_ I am an Active certified HUB vendor. HUB expiration date: \_\_\_\_\_  
 \_\_\_\_ Small and Minority Firms, Women's Business Enterprises and Labor Surplus Area Firms  
 \_\_\_\_ I am neither.

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49. **Criminal History Record Information Review of Certain Contract Employees:** By signing below, the Contractor agrees to comply with Section 22.0834. Criminal History Record Information Review of Certain Contract Employees, Texas Education Code if awarded a contract through this solicitation. The undersigned Contractor, if awarded a contract, shall obtain criminal history record information through the criminal history clearinghouse as provided by Section 411.0845, Government Code relating to an employee or applicant who has or will have continuing duties related to the contracted services; and the employee or applicant has or will have direct contact with students. The contractor agrees to certify of the receipt of criminal history record information before or immediately after employing or securing the services of the employee or applicant that has or will have continuing duties related to the contracted services if the employee or applicant has or will have direct contact with students. The Contractor further agrees that if awarded a contract, shall assume all expenses associated with the criminal background check and shall immediately remove any employee or agent who was convicted of a felony, or misdemeanor involving moral turpitude, as defined by Texas law, from District property or the location where students are present.

\_\_\_\_\_ None of my employees and any of the subcontractors has or will have continuing duties related to the contracted services; and has or will have direct contact with students. I further certify that my company has taken precautions or imposed conditions to ensure that my employees and any subcontractor will not have continuing duties related to the contracted services; and will not have direct contact with students throughout the term of the Contract.

OR

\_\_\_\_\_ Some or all of my employees and/or my subcontractors will have continuing duties related to the contracted services; and will have direct contact with students. I further certify that:

1. I have obtained all required criminal history record information regarding all of my employees and/or my subcontractors. None of my employees and/or my subcontractors has any conviction or other criminal history information if a the time of the offense, the victim was under 18 or enrolled in a public school: (a) a felony offense under Title 5, Texas Penal Code; (b) an offense for which a defendant is required to register as a sex offender under Chapter 62, Texas Code of Criminal Procedures; or (c) an equivalent offense under federal law or the laws of another state. IF AVAILABLE, ATTACH A COPY OF YOUR FAST PASS RECEIPT.
2. If you received information that any of my employees and/or subcontractors subsequently has a reported criminal history, I will immediately remove the covered employee from contract duties and notify the District in writing immediately.
3. I will provide the District with the names and any other requested information regarding any of my employees and/or subcontractors so the District may obtain criminal history record information if awarded a contract.
4. If the District objects to the assignment of any of my employees and/or subcontractors, I agree to discontinue using the individual to provide services to the District.

50. **Contract Provisions for contracts under Federal Awards:** By submission of this bid, Contractor agrees to comply with the following provisions.

- 50.1 Contracts for more than the simplified acquisition threshold currently set at \$150,000, which is the inflation adjusted amount determined by the Civilian Agency Acquisition Council and the Defense Acquisition Regulation Council (Councils) as authorized by 41 U.S.C.1908, must address administrative, contractual, or legal remedies in instances where contractors violate or breach contract terms, and provide for such sanctions and penalties as appropriate.
- 50.2 All contracts in excess of \$10,000 must address termination for cause and for convenience including the manner by which it will be effected and the basis for settlement.
- 50.3 Equal Employment Opportunity. Except as otherwise provided under 41 CFR Part 60, all contracts that meet the definition of "federally assisted construction contract" in 41 CFR Part 60-1.3 must include the equal opportunity clause provided under 41 CFR 60-1.4(b), in accordance with Executive Order 11246, "Equal Employment Opportunity" (30 FR 12319, 12935, 3 CFR Part, 1964-1965 Comp., p. 339), as amended by Executive Order 11375, "Amending Executive Order 11246 Relating to Equal Employment Opportunity," and implementing regulations at 41 CFR part 60, "Office of Federal Contract Compliance Programs, Equal Employment Opportunity, Department of Labor."
- 50.4 Davis-Bacon Act, as amended (40 U.S.C. 3141-3148). When required by Federal program legislation, all prime construction contracts in excess of \$12,000 must include a provision for compliance with the Davis-Bacon Act (40 U.S.C 3141-3144, and 3146-3148 as supplemented by Department of Labor regulations (29 CFR Part 5, "Labor Standards Provisions Applicable to Contracts Covering Federally Finance and Assisted Construction"). In accordance with the statue, contractors must be required to pay wages to laborers and mechanics at a rate not less than the prevailing wages specified in a wage determination made by the Secretary of Labor. In addition, contractors must be required to pay wages not less than once a week. The non-Federal entity must place a copy of the current prevailing wage determination issued by the Department of Labor in each solicitation. The decision to award a contract or subcontract must be conditioned upon the acceptance of the wage determination. The entity must report all suspected or reported violations to the Federal awarding agency. The contracts must also include a provision for compliance with the Copeland "Anti-Kickback" Act (40 U.S.C. 3145) as supplemented by Department of Labor regulations (20 CFR Part 3, "Contractors and Subcontractors on Public Building or Public Work Financed in Whole or in Part by Loans or Grants from the United States"). The Act provides that each contractor or sub-recipient must be prohibited from including, by any means, any person employed in the construction, completion, or repair of public work, to give up any part of the compensation to which he or she is otherwise entitled. The entity must repair all suspected or reported violation to the Federal awarding agency.
- 50.5 Contract Work Hours and Safety Standards Act (40 U.S.C. 3701-3708). Where applicable, all contracts awarded in excess of \$100,000 that involve the employment of mechanics or laborers must include a provision for compliance with 40 U.S.C. 3702 and 3704, as supplemented by Department of Labor regulations (29 CFR Part 5). Under 40 U.S.C. 3702 of the Act, each contractor must be required to compute the wages of every mechanic and laborer on the basis of a



**CSP 20-32, New Security Alarm Systems for Truman, Cano-Gonzalez & Cavazos Elementaries**

standard work week of 40 hours. Work in excess of the standard work week is permissible provided that the worker is compensated at a rate of not less than one and a half times the basic rate of pay for all hours worked in excess of 40 hours in the work week. The requirements of 40 U.S.C. 3704 are applicable to construction work and provide that no laborer or mechanic must be required to work in surroundings or under working conditions which are unsanitary, hazardous or dangerous. These requirements do not apply to the purchases of supplies or materials or articles ordinarily available on the open market, or contracts for transportation or transmission of intelligence.

- 50.6 Rights to Inventions Made Under a Contract or Agreement. If the Federal award meets the definition of "funding agreement" under 37 CFR §401.2 (a) and the recipient or sub recipient wishes to enter into a contract with a small business firm or nonprofit organization regarding the substitution of parties, assignment or performance of experimental, developmental, or research work under that "funding agreement," the recipient or sub recipient must comply with the requirements of 37 CFR Part 401, "Rights to Inventions Made by Nonprofit Organizations and Small Business Firms Under Government Grants, Contracts and Cooperative Agreements," and any implementing regulations issued by the awarding agency.
- 50.7 Clean Air Act (42 U.S.C. 7401-7671q.) and the Federal Water Pollution Control Act (33 U.S.C. 1251-1387), as amended—Contracts and sub grants of amounts in excess of \$150,000 must contain a provision that requires the award to agree to comply with all applicable standards, orders or regulations issued pursuant to the Clean Air Act (42 U.S.C. 7401-7671q) and the Federal Water Pollution Control Act as amended (33 U.S.C. 1251-1387). Violations must be reported to the Federal awarding agency and the Regional Office of the Environmental Protection Agency (EPA).
- 50.8 Debarment and Suspension (Executive Orders 12549 and 12689)—A contract award (see 2 CFR 180.220) must not be made to parties listed on the government wide exclusions in the System for Award Management (SAM), in accordance with the OMB guidelines at 2 CFR 180 that implement Executive Orders 12549 (3 CFR part 1986 Comp., p. 189) and 12689 (3 CFR part 1989 Comp., p. 235), "Debarment and Suspension." SAM Exclusions contains the names of parties debarred, suspended, or otherwise excluded by agencies, as well as parties declared ineligible under statutory or regulatory authority other than Executive Order 12549.
- 50.9 Byrd Anti-Lobbying Amendment (31 U.S.C. 1352)—Contractors that apply or bid for an award exceeding \$100,000 must file the required certification. Each tier certifies to the tier above that it will not and has not used Federal appropriated funds to pay any person or organization for influencing or attempting to influence an officer or employee of any agency, a member of Congress, officer or employee of Congress, or an employee of a member of Congress in connection with obtaining any Federal contract, grant or any other award covered by 31 U.S.C. 1352. Each tier must also disclose any lobbying with non-Federal funds that takes place in connection with obtaining any Federal award. Such disclosures are forwarded from tier to tier up to the award.
- 50.10 A an entity that is a state agency or agency of a political subdivision of a state and its contractors must comply with section 6002 of the Solid Waste Disposal Act, as amended by the Resource Conservation and Recovery Act. The requirements of Section 6002 include procuring only items designated in guidelines of the Environmental Protection Agency (EPA) at 40 CFR part 247 that contain the highest percentage of recovered materials practicable, consistent with maintaining a satisfactory level of competition, where the purchase price of the item exceeds \$10,000 or the value of the quantity acquired during the preceding fiscal year exceeded \$10,000; procuring solid waste management services in a manner that maximizes energy and resource recovery; and establishing an affirmative procurement program for procurement of recovered materials identified in the EPA guidelines.

51. Debarment and Suspension (Executive Orders 12549 and 12689): By signing below Contractor certified that neither it nor its principals are currently listed on the government-wide exclusions in SAM as debarred, suspended, or otherwise excluded by agencies or declared ineligible under statutory or regulatory authority other than Executive Order 12549. Contractor further agrees to immediately notify the District if he/she is later listed on the government-wide exclusions in SAM, or is debarred, suspended, or otherwise excluded by agencies or declared ineligible under statutory or regulatory authority other than Executive Order 12549.

52. Vendor must comply with H.B. No. 89 Chapter 2270. Prohibition on Contracts with Companies Boycotting Israel.

**I, the undersigned authorize agent for the company named below, certify that the information concerning Section 1-52 listed above has been reviewed by me and the information furnished is true to the best of my knowledge. I further certify that I agree to comply with Sections 1-52 listed above.**

\_\_\_\_\_  
Print/Type Signature Name

\_\_\_\_\_  
Official Title

\_\_\_\_\_  
Authorized Signature

\_\_\_\_\_  
Date

**FELONY CONVICTION NOTIFICATION**

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State of Texas Legislative Senate Bill No. 1, Section 44.034, Notification of Criminal History, Subsection (a), states "a person or business entity that enters into a contract with a school district must give advance notice to the district if the person or an owner or operator of the business entity has been convicted of a felony. The notice must include a general description of the conduct resulting in the conviction of a felony."

Subsection (b) states "a school district may terminate a contract with a person or business entity if the district determines that the person or the person or business entity failed to give notice as required by Subsection (a) or misrepresented the conduct resulting in the conviction. The district must compensate the person or business entity for services performed before the termination of the contract."

This Notice Is Not Required of a Publicly-Held Corporation

I, the undersigned agent for the firm named below, certify that the information concerning notification of felony convictions has been reviewed by me and the following information furnished is true to the best of my knowledge.

\_\_\_\_\_  
Vendor's Name

\_\_\_\_\_  
Authorized Company Official's Name (Printed)

A. My firm is a publicly-held corporation; therefore, this reporting requirement is not applicable.

\_\_\_\_\_  
Signature of Company Official

B. My firm is not owned nor operated by anyone who has been convicted of a felony:

\_\_\_\_\_  
Signature of Company Official

C. My firm is owned or operated by the following individual(s) who has/have been convicted of a felony:

\_\_\_\_\_  
Names of Felon(s)

\_\_\_\_\_  
Details of Conviction(s)

\_\_\_\_\_  
Signature of Company Official

# CONFLICT OF INTEREST QUESTIONNAIRE

FORM CIQ

For vendor or other person doing business with local governmental entity

This questionnaire reflects changes made to the law by the H.B. 1491 80<sup>th</sup> Leg., Regular Session.

This questionnaire is being filed in accordance with Chapter 176, Local Government Code by a person who has a business relationship as defined by Section 176.001(1-a) with a local governmental entity and the person meets requirements under Section 176.006(a).

By law this questionnaire must be filed with the records administrator of the local governmental entity not later than the 7<sup>th</sup> business day after the date the person becomes aware of facts that require the statement to be filed. See Section 176.006, Local Government Code.

A person commits an offense if the person knowingly violates Section 176.006, Local Government Code. An offense under this section is a Class C misdemeanor.

**OFFICE USE ONLY**

Date Received

1 Name of person doing business with local governmental entity.

2

Check this box if you are filing an update to a previously filed questionnaire.

(The law requires that you file an updated completed questionnaire with the appropriate filing authority not later than September 1 of the year for which an activity described in Section 176.006 (a), Local Government Code, is pending and not later than the 7<sup>th</sup> business day after the date the originally filed questionnaire becomes incomplete or inaccurate.)

3

Name of local government officer with whom filer has employment or business relationship.

\_\_\_\_\_  
Name of Officer

This section (item 3 including subparts A, B, C & D) must be completed for each officer with whom the filer has an employment or other business relationship as defined by Section 176.001(1-a), Local Government Code. Attached additional pages to this form CIQ as necessary.

- A. Is the local government officer named in this section receiving or likely to receive taxable income, other than investment income, from the filer of the questionnaire?  
 Yes     No
- B. Is the filer of the questionnaire receiving or likely to receive taxable income, other than investment income,  
 Yes     No
- C. Is the filer of this questionnaire employed by a corporation or other business entity with respect to which the local government officer serves as an officer or director, or holds an ownership of 10 percent or more?  
 Yes     No
- D. Describe each employment or business relationship with the local government officer named in this section

4

\_\_\_\_\_  
Signature of person doing business with the governmental entity

\_\_\_\_\_  
Date

## CERTIFICATION OF INTERESTED PARTIES – FORM 1295

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### Definitions and Instructions for Completing Form 1295

Edinburg Consolidated Independent School District is required to comply with House Bill 1295, which amended the Texas Government Code by adding Section 2252.908, Disclosure of Interested Parties. Section 2252.908 prohibits Edinburg CISD from entering into a contract resulting from a Bid, CSP, RFP, RFQ, Inter-local Cooperative Quote with a business entity unless the business entity submits a Disclosure of Interested Parties – Form 1295 to Edinburg CISD at the time the business entity submits the signed contract. The Texas Ethics Commission has adopted rules requiring the business entity to file Form 1295 electronically with the Texas Ethics Commission.

**As a “business entity,” vendors must electronically complete, print, manually fill out Unsworn Declaration portion and sign. Once form is completed, submit with your proposals or contracts even if no interested parties exist.**

Proposers must file Certificate of Interested Parties – Form 1295 with the Texas Ethics Commission using the following online application: [https://www.ethics.state.tx.us/whatsnew/elf\\_info\\_form1295.htm](https://www.ethics.state.tx.us/whatsnew/elf_info_form1295.htm)

- Proposers must use the filing application on the Texas Ethics Commission's website (see link above) to enter the required information on Form 1295.
- Proposers must print a copy of the completed form, which will include a certification of filing containing a unique certification number.
- The Form 1295 must be printed and then signed by an authorized agent of the business entity.
- The completed Form 1295 with the certification of filing must be filed with Edinburg Consolidated Independent School District by including a copy of the completed form with the proposal response.
- Edinburg CISD must acknowledge the receipt of the filed Form 1295 by notifying the Texas Ethics Commission of the receipt of the filed Form 1295 no later than the 30<sup>th</sup> day after the date the contract binds all parties to the contract.
- After Edinburg CISD acknowledges the Form 1295, the Texas Ethics Commission will post the completed Form 1295 to its website within seven (7) business days after receiving notice from Edinburg CISD.

### Instructions to Vendors:

1. Read these instructions,
2. Go to the Ethics Commission Website [https://www.ethics.state.tx.us/whatsnew/elf\\_info\\_form1295.htm](https://www.ethics.state.tx.us/whatsnew/elf_info_form1295.htm),
3. Register and complete Form 1295 online - include the bid/proposal # and the contract/(Bid,CSP,RFQ,RFP name),
4. Print a copy of the submitted Form 1295 and sign - it will have a certification # in the top right corner,
5. Include a copy of the completed, signed Form 1295 with the proposal response.

### Definitions:

- **Interested Party:** a person who:
  - 1) has controlling interest in a business entity with whom Edinburg CISD contracts; or
  - 2) actively participates in facilitating a contract or negotiating the terms of a contract, including a broker, intermediary, adviser, or attorney for the business entity.
- **Controlling Interest** means:
  - 1) an ownership interest or participating interest in a business entity by virtue of units, percentage, shares, stock, or otherwise that exceeds 10 percent;
  - 2) membership on the board of directors or other governing body of a business entity of which the board or other governing body is composed of not more than 10 members; or
  - 3) service as an officer of a business entity that has four or fewer officers, or service as one of the four officers most highly compensated by a business entity that has more than four officers.
- **Intermediary:** a person who actively participates in the facilitation of the contract or negotiating the contract, including a broker, advisor, attorney, or representative of or agent for the business entity who:
  - 1) receives compensation from the business entity for the person's participation;
  - 2) communicates directly with the governmental entity or state agency on behalf of the business entity regarding the contract; and
  - 3) is not an employee of the business entity.
- **Business Entity:** includes an entity through which business is conducted with a governmental entity or state agency, regardless of whether the entity is a for-profit or nonprofit entity.

### Resources:

#### Form 1295 Frequently Asked Questions:

- [https://www.ethics.state.tx.us/whatsnew/FAQ\\_Form1295.html](https://www.ethics.state.tx.us/whatsnew/FAQ_Form1295.html)

#### Instructional Video – First Time Business User:

- <https://www.ethics.state.tx.us/filinginfo/videos/Form1295/FirstLogin-Business/Form1295Login-Business.html>

#### Instructional Video – How to Create a Certificate:

- <https://www.ethics.state.tx.us/filinginfo/videos/Form1295/CreateCertificate/CreateCertificate.html>





## Edinburg Consolidated Independent School District Substitute W-9 & Direct Deposit Authorization Form

Complete form if: 1. You are a U.S. entity (including a resident alien) 2. You are a vendor that provides goods or services to ECISD; AND 3. You will receive payment from the Edinburg Consolidated ISD	New Request <input type="checkbox"/>	Update – Select from the following: Tax ID <input type="checkbox"/> Legal Name <input type="checkbox"/> Vendor Order Address <input type="checkbox"/> Direct Deposit <input type="checkbox"/> Contact Information <input type="checkbox"/> Vendor Payment Address <input type="checkbox"/>
Individual/Company/Entity Legal Name (Must match TIN below): _____		DBA Name (IF Applicable): _____
Taxpayer Identification Number (TIN) _____ - _____		OR
Federal Tax ID Number (FID) _____ - _____		SSN – Individual/Sole Proprietor _____ - _____
<b>Vendor Contact Information:</b>		
Name: _____	Title: _____	Phone: _____ Fax: _____
<b>Vendor Type – Select 5 only one of the following boxes:</b>		
<input type="checkbox"/> Individual/Sole Proprietorship <input type="checkbox"/> C-Corporation <input type="checkbox"/> S-Corporation <input type="checkbox"/> Partnership <input type="checkbox"/> Trust/Estate <input type="checkbox"/> Other: Explain _____		
<input type="checkbox"/> Limited Liability Company (LLC). Enter the tax classification (C=C corporation, S=S corporation, P=Partnership) _____		
<input type="checkbox"/> Exempt payee code (if any) _____ <input type="checkbox"/> Exemption from FATCA reporting code (if any) _____		
<b>Order Address:</b>  Street/PO Box: _____ Second Line: _____  City: _____ State: _____ Zip Code: _____		<b>Payment Remittance Address:</b>  <input type="checkbox"/> Check if Order Address is same as Payment Address  Street/PO Box: _____ Second Line: _____  City: _____ State: _____ Zip Code: _____
<b>Banking Information:</b> In an effort to process your payment faster, we request that you complete the ACH enrollment section below. All fields must be completed for direct deposit setup. Attach a voided check or letter from your financial institution.		
Account Type:      Checking <input type="checkbox"/> Savings <input type="checkbox"/>		Email for Direct Deposit Notification: _____
Bank Name: _____		ABA Routing Number: _____
Bank Address: _____		Account Number: _____
City: _____ State: _____ Zip Code: _____		Phone: _____ Fax: _____
<b>W-9 Certification</b> 1. The number shown on this form is my correct taxpayer identification number (or I am waiting for a number to be issued to me), AND 2. I am not subject to backup withholding because: (a) I am exempt from backup withholding, or (b) I have not been notified by the Internal Revenue Services (IRS) that I am subject to backup withholding as a result of a failure to report all interest or dividends, or (c) the IRS has notified me that I am no longer subject to backup withholding, AND 3. I am a U.S. citizen or other U.S. person. <b>Certification Instructions:</b> You must cross out item 2 above if you have been notified by the IRS that you are currently subject to backup withholding because you have failed to report all interest and dividends on your tax return. For real estate transactions, item 2 does not apply. For mortgage interest paid, acquisition or abandonment of secured property, cancellation of debt, contributions, to an individual retirement arrangement (IRA), and generally, payments other than interest and dividends, you are not required to sign the Certification, but you must provide your correct TIN.		<b>Direct Deposit Authorization and Agreement</b> I authorize Edinburg Consolidated Independent School District (ECISD) to initiate direct deposit of funds to the account and financial institution indicated above, and to recover funds deposited in error in necessary, in compliance with Texas and U.S. Law, and the Automatic Clearing House (ACH) rules. I understand that:  1. It is my responsibility to provide accurate and current banking information. Notification of direct deposits will be by e-mail; and it is my responsibility to provide a valid e-mail address.  2. It is my responsibility to verify payment has been credited to my account, and that ECISD assumes no liability for overdrafts for any reasons.  3. This authorization will remain in effect until; (a) a written request is received from a vendor officer to change or terminate direct deposit agreement; (b) notification is sent by my bank that the account is no longer valid.
Signature: _____ Date: _____		Signature: _____ Date: _____
Print Name/Title: _____		Print Name/Title: _____
Send completed form to: ECISD requestor or: Mail to: Edinburg Consolidated Independent School District, ATTN: Accounts Payable, PO Box 990, Edinburg, TX 78540 OR; E-mail: <a href="mailto:ECISDinvoice@ecisd.us">ECISDinvoice@ecisd.us</a> , OR; Fax: 956-383-4354. Any Questions on this form, call 956-289-2300 ext. 2074		
<b>Finance Office Use Only: Updated Record on:</b> _____		<b>Updated by:</b> _____ <b>Bank Code:</b> _____ <b>Vendor #:</b> _____

**SPECIAL TERMS & CONDITIONS**

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1. **INTENTION:** It is the intention of the Board of Trustees of the Edinburg Consolidated Independent School District to receive proposals from interested vendors to select vendor(s) offering the best value for **NEW SECURITY ALARM SYSTEMS FOR TRUMAN, CANO-GONZALEZ & CAVAZOS ELEMENTARIES**.
2. **CONTACT:** Please call Jacqueline Kingan, Senior Buyer at 956-289-2311, ext. 2137 or e-mail to [j.kingan@ecisd.us](mailto:j.kingan@ecisd.us) if you have any questions regarding this proposal.
3. **CONTRACT SERVICE PERIOD:** This is a onetime purchase.
4. **EEOC NON-DISCRIMINATION STATEMENT:** It is the policy of Edinburg CISD not to discriminate on the basis of sex, age, handicap, religion, race, color, or national origin in its educational programs.
5. **PAYMENT INFORMATION:** Payments will be made on the District's regular payment schedule.
6. **TERMS:** Net 30 days unless otherwise noted as an exception.
7. **PRE-BID CONFERENCE:** Pre-Bid conference to be held December 11, 2019 at 8:30 A.M. in the Maintenance and Facilities Department located at 1305 E. Schunior, Edinburg, TX 78541. Vendors are highly encouraged to attend to answer any questions they may have and to better understand the general scope of work required for this project. You will meet with Julio Camacho.
8. **DISTRICT PROPOSAL FORM:** Proposals not submitted on the Edinburg CISD proposal form may be rejected as non-responsive. **Send 3 Proposals: 1 Original & 2 Copies Plainly Marked.**
9. **RIGHT TO AWARD PROPOSAL:** The Edinburg CISD reserves the right to accept or reject any or all proposals.
10. **INSURANCE REQUIREMENTS:**
  - a. General Liability
  - b. Workmen's Compensation
  - c. Property Liability
11. **FORMS TO BE FILLED OUT:** The following forms **MUST** be filled out:
  - a. Conflict of Interest (If it does not apply, put N/A and **sign**).
  - b. Certificate of Interest Parties-Form 1295 (Does not need to be notarized, however, the bottom part **MUST** be filled out and **signed**).
  - c. Edinburg Consolidated Independent School District Substitute W-9 and District Deposit Authorization Form (Fill out and sign)
12. **ADDENDUMS:** It will be the vendor's responsibility to check the Purchasing Website for any addendums or additional information. ECISD website is [www.ecisd.us](http://www.ecisd.us). Click on Departments, then Purchasing. Once at the Purchasing site, locate the calendar list in middle and click on title of the solicitation. If you do not see it on the list, click the month button on top and you will see complete month with all solicitations the District is currently seeking out. Any questions, please contact the Purchasing office and we will assist you.



**SPECIFICATIONS**

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**NEW SECURITY ALARM SYSTEMS  
INTRUSION DETECTION ADEMCO 128BPT**

**INTRUSION DETECTION**

**PART 1 GENERAL**

**1.1 SECTION INCLUDES**

A. Provide combination intrusion detection control panels, including engineering, components, installation and commissioning.

**1.2 RELATED SECTIONS**

A. Section 080600: Openings

B. Section 081000: Doors and Frames

C. Section 260500: Common Work Results for Electrical, for interface and coordination with building electrical systems and distribution.

**1.3 REFERENCES**

A. Reference Standards: Provide systems which meet or exceed the requirements of the following publications and organizations as applicable to the Work of this Section:

1. Underwriters Laboratories Inc. (UL):

a. UL 365: Police Station Connected Burglar Alarm Units and Systems.

b. UL 609: Local Burglar Alarm Units and Systems.

c. UL 611: Central Station Burglar-Alarm Units.

d. UL 636: Holdup Alarm Units and Systems.

e. UL 684: Local, Central Station, and Remote Station.

f. UL 1023: Household Burglar-Alarm System Units.

g. UL 1076: Proprietary Burglar-Alarm Units and Systems.

h. UL 1610: Central-Station Burglar-Alarm Units.

2. Federal Communications Commission (FCC):

a. Code of Federal Regulations Title 47: Part 15: Radio Frequency Devices.

b. Code of Federal Regulations Title 47: Part 68: Connection of Terminal Equipment to the Telephone Network.

## 1.4 SYSTEM DESCRIPTION

A. Intrusion Detection Control Panels: Basis-of-design is the Honeywell VISTA 128BPT System, a burglary/access control/CCTV switching system that includes the following capabilities:

1. Listed for UL Commercial Burglary.
2. Supports up to 128 zones.
3. Supports up to 8 separate partitions.
4. Supports up to 150 users.
5. Supports commercial wireless devices.
6. Provides integrated security, access control, and CCTV switching capability.
7. Provides supervision of peripheral devices.
8. Supports up to 96 optional relay outputs.
9. Supports long-range radio (LRR) communication.
10. Provides scheduling capability to allow for automated operations.
11. Supports alarm reporting via Internet.
12. Interfaces with automation software.
13. Monitors smoke detector maintenance signals
14. Capable of being installed using existing wiring

## 1.5 SUBMITTALS

A. Manufacturer's Product Data: Submit manufacturer's data sheets indicating systems and components proposed for use, including instruction manuals.

B. Shop Drawings: Submit complete shop drawings including connection diagrams for interfacing equipment, list of connected equipment, and locations for major equipment components.

C. Record Drawings: During construction maintain record drawings indicating location of equipment and wiring. Submit an electronic version of record drawings not later than Substantial Completion of the project.

D. Operation and Maintenance Data: Submit manufacturer's operation and maintenance data, customized to the system installed. Include system and operator manuals.

E. Field Tests: Submit results of field testing of every device including date, testing personnel, retesting date if applicable, and confirmation that every device passed field testing.

F. Maintenance Service Agreement: Submit a sample copy of the manufacturer's maintenance service agreement, including cost and services for a one year period for Owner's review. Maintenance shall include, but not be limited to, labor and materials to repair the system, provide test and adjustments, and regular inspections.

## 1.6 QUALITY ASSURANCE

A. Manufacturer: Minimum ten years' experience in manufacturing and maintaining similar systems. Alarm manufacturer shall be certified compliant with ISO 9001.

B. Installer: Minimum two years' experience installing similar systems, and acceptable to the manufacturer.

C. Environmental Conditions: System shall be designed to function in the following environmental conditions:

1. Storage Temperature: Designed for a storage temperature of -10° C to 70°C.
2. Operating Temperature: System shall be designed for an operating temperature of 0° C to 50°C (32° F to 120°F).
3. Humidity: System shall be designed for normal operation in an 85% relative humidity environment.
4. Electromagnetic Interference: System shall meet or exceed the requirements of FCC Part 15, Class B devices, FCC Part 68, IEC EMC directive.

D. Power Requirements: Components shall have the following electrical specifications. The system shall operate using standard 120 VAC, 50 Hz/60 Hz power.

1. Control Primary Power: Transformer power shall be 16.5 VAC, 40 VA.
2. Backup Battery: Rechargeable 12 VDC, gel type, lead acid backup battery shall be provided. The battery shall be rated between 12 and 34-ampere hours (AH).
3. Alarm Power: 12 VDC, 1.7 amps for each bell output
4. Auxiliary Standby Power: 12 VDC, 0.75 amp maximum.
5. Total Power: Combined auxiliary standby and alarm currents shall be 2.3 amps.
6. Fusing: The battery input, auxiliary, and bell outputs shall be protected using PTC circuit breakers. All outputs shall be power limited.

E. Control Panel Enclosure: A metal cabinet, suitable for wall mounting. Dimensions shall not exceed 14.5 inches (36.8 cm) in height, 12.5 inches (31.8 cm) in width or 3 inches (7.6 cm) in depth.

## 1.7 DELIVERY, STORAGE, AND HANDLING

A. Deliver materials in manufacturer's labeled packages. Store and handle in accordance with manufacturer's requirements, in a facility with environmental conditions within recommended limits.

## 1.8 WARRANTY

A. Manufacturer's Warranty: Submit manufacturer's standard one-year warranty for the system.

PART 2 PRODUCTS

**2.1 MANUFACTURER**

A. Intrusion Detection Alarm Panel Manufacturer: VISTA 128BPT by Honeywell, [www.security.honeywell.com](http://www.security.honeywell.com).

**2.2 SYSTEM PERFORMANCE**

A. Control Panel: The control panel shall be an 8-partition, UL commercial and burglary control panel that supports up to 128 zones using basic hardwired, polling loop, and wireless zones, RF receivers, and relay modules. The control shall provide the ability to schedule time-driven events, and allow certain operations to be automated by pressing a single button. The system shall be capable of interfacing with an ECP long range radio (LRR) unit that can send Contact ID messages. The control shall provide integrated access control and CCTV-switching capability with the use of a single downloader and database.

1. Intrusion Detection System components shall be connected using the following Honeywell Genesis Series Cables:

a. Keypads use four conductor, 22AWG or 18AWG, non-shielded cable:

1) 22AWG

- (a) General Purpose applications use Part #: 1104
- (b) Riser applications use Part #: 2104
- (c) Plenum applications use Part #: 3104

2) 18AWG

- (a) General Purpose applications use Part #: 1119
- (b) Riser applications use Part #: 2115
- (c) Plenum applications use Part #: 3115

b. VPLEX Zone Expanders shall connect to a VPLEX data bus using two conductor, 18AWG, non-shielded cable

1) General Purpose applications use Part #: 1118

2) Riser applications use Part #: 2114

3) Plenum applications use Part #: 3114

4) Direct burial applications use Part #: 4156

c. VPLEX Fire detection devices and two wire fire detection devices connect using two conductor, 18AWG, non-shielded fire alarm cable

1) General Purpose applications use Part #: 4106

2) Riser applications use Part #: 4306

3) Plenum applications use Part #: 4506

4) Direct burial applications use Part #: 4156

d. Four wire fire detection devices connect using four conductor, 18AWG, and non-shielded fire alarm cable

- 1) General Purpose applications use Part #: 4107
- 2) Riser applications use Part #: 4307
- 3) Plenum applications use Part #: 4507
- 4) Direct burial applications use Part #: 4157

e. Unpowered detection devices connect to zone inputs using two conductor, 22AWG, and non-shielded cable

- 1) General Purpose applications use Part #: 1102
- 2) Riser applications use Part #: 2102
- 3) Plenum applications use Part #: 3102

f. Powered detection devices connect to zone inputs using four conductor, 18AWG, and non-shielded cable

- 1) General Purpose applications use Part #: 1119
- 2) Riser applications use Part #: 2115
- 3) Plenum applications use Part #: 3115
- 4) Direct burial applications use Part #: 4157

g. The Bell output shall use two conductor, 16AWG, and non-shielded cable

- 1) General Purpose applications use Part #: 1125
- 2) Riser applications use Part #: 2121
- 3) Plenum applications use Part #: 3121

h. Power connections for control panels shall be made using two conductor, 16AWG, and non-shielded cable.

- 1) General Purpose applications use Part #: 1125
- 2) Riser applications use Part #: 2121
- 3) Plenum applications use Part #: 3121

i. Ground connections to control panels shall be made using 14AWG solid insulated copper ground wire.

- 1) General Purpose applications use Part #: 1131
- 2) Basic Hardwired Zones: Control shall provide 8 style-B hardwire zones with the following characteristics:

- a. EOLR supervision (optional for zones 2-8) shall support N.O. or N.C. sensors (EOLR supervision required for UL installations).
- b. Zones/Points shall be individually assignable to any partition.
- c. Supports up to 16 two-wire smoke detectors on zone 1.
- d. Supports four-wire smoke or heat detectors on any zone (power to four-wire smoke detectors must be supervised with an EOL device).

3. Optional Expansion Zones:

a. Polling Loop Expansion: Control shall support up to 120 additional hardwire zones using a built-in two-wire polling (multiplex) loop interface. The polling loop shall provide power and data to remote point modules, and constantly monitor the status of all zones on the loop. Maximum current draw shall not exceed 128 mA. The polling loop zones shall have the following characteristics:

- 1) Interface with RPM (Remote Point Module) devices that provide Class B, Style Y (e.g., 4208U/4208SN) or a combination of Class B, Style Y, and Class A, Style Z (e.g., 4208SNF) zones.
- 2) Individually assignable to one of 8 partitions.
- 3) Supervised by the control panel.
- 4) A 12,000 ft. (3658 m) wire run capability without using shielded cable.
- 5) Each RPM (Remote Point Module) enclosure shall be tamper protected.

b. Wireless Expansion Zone: Control shall support up to 128 wireless zones using a 5800 series RF receiver (fewer if using hardwire and/or polling loop zones). Wireless zones shall have the following characteristics:

- 1) Supervised by control panel for check-in signals (except certain non-supervised transmitters).
- 2) Tamper-protection for supervised zones.
- 3) Individually assignable to one of 8 partitions.
- 4) Individually assignable to bell outputs and/or auxiliary relays.
- 5) Support wireless devices listed for Commercial Burglary using the 5881ENHC RF Receiver.

4. Partitions: Control shall provide the ability to operate e8 separate areas, each functioning as if it had its own control. Partitioning features shall include:

a. A Common Lobby partition (1-8), which can be programmed to perform the following functions:

- 1) Arm automatically when the last partition that shares the common lobby is armed.
- 2) Disarm when the first partition that shares the common lobby is disarmed.

- b. A Master partition (9), used strictly to assign keypads for the purpose of viewing the status of all 8 partitions at the same time (master keypads).
  - c. Assignable by zone.
  - d. Assignable by keypad/annunciator.
  - e. Assignable by relay to one or all 8 partitions.
  - f. Ability to display burglary and panic and/or trouble conditions at all other partitions' keypads (selectable option).
  - g. Certain system options selectable by partition, such as entry/exit delay and subscriber account number.
5. User Codes: Control shall accommodate 150 user codes, all of which can operate any or all partitions. Certain characteristics must be assigned to each user code, as follows:
- a. Authority level (Master, Manager, or several other Operator levels). Each User Code (other than the installer code) shall be capable of being assigned the same or a different level of authority for each partition that it will operate.
  - b. Opening/Closing central station reporting option.
  - c. Specific partitions that the code can operate.
  - d. Global arming capability (ability to arm all partitions the code has access to in one command).
  - e. Use of an RF (button) to arm and disarm the system (RF key must first be enrolled into the system).
6. Peripheral Devices: Control shall support up to 30 addressable ECP devices, which can be any combination of keypads, RF receivers, relay modules, and interactive phone module. Peripheral devices have the following characteristics:
- a. Each device set to an individual address according to the device's instructions.
  - b. Each device enabled in system programming.
  - c. Each device's address shall be supervisable (via a programming option).
7. Keypad/Annunciator: Control shall accommodate up to 16 keypads or six (6) touch-screen (i.e.; advanced user interface) keypads. The keypads shall be capable of the following
- a. Performing all system arming functions.
  - b. Being assigned to any partition.
  - c. Providing four programmable single-button function keys, which can be used for:
    - 1) Panic Functions: activated by wired and wireless keypads; reported separately by partition.

2) Keypad Macros: 32 keypad macro commands per system (each macro is a series of keypad commands). Assignable to the A, B, C, and D keys by partition.

8. Optional Output Relays: A total of 96 relay outputs shall be accommodated using relay modules. Each relay module shall provide four (4) Form C (normally open and normally closed) relays for general-purpose use. The relays shall be capable of being:

- a. Programmed to activate in response to system events.
- b. Programmed to activate using time intervals.
- c. Activated manually.
- d. Assigned an alpha descriptor.
- e. A combination of 4204 (ECP) and 4101SN (polling loop) relays.

9. Optional Vista Interactive Phone Module: The control shall support the ADEMCO 4285/4286 VIP Modules, which permit access to the security system in order to perform the following functions:

- a. Obtain system status information.
- b. Arm and disarm the security system.
- c. Control relays.
- d. Battery saving feature.

10. Integrated Access Control: Control shall be capable of the following:

- a. Providing a command that activates relays to allow access doors to open (e.g., lobby door), lights to be turned on or off, etc.
- b. Becoming a fully integrated access control system by using numerous VistaKey Single-Door Access Control Modules.
- c. Supporting up to 15 VistaKey Access Control Modules. The VistaKey Access Control Modules shall use the same Compass Downloader as the Vista-128BPT and shall be programmable from the Compass Downloader or the Keypad/Annunciators.
- d. Assigning any number of access control relays to each partition (up to 96 for the system).
- e. Supporting up to 500 access card holders using VistaKey.

11. CCTV Switching: System shall be capable of supporting the VistaView 100 CCTV Switching System. The CCTV system shall be fully integrated and be event driven by Burglary or Access events. When cameras are not event driven, they shall be driven by an automatic preset dwell time. The system shall also be capable of:

- a. Activating the CCTV system via a Form-C relay output.
- b. Operating up to 60 camera inputs and 30 video outputs.

12. Commercial Wireless Equipment: Control shall be compatible with UL Listed Commercial Wireless Security equipment including:



- a. ADEMCO 5881ENHC Commercial Wireless Receiver: The receiver shall be capable of receiving as many points as the control panel is rated for. Up to two (2) Receivers may be used on any system. Receivers may be remotely located anywhere on the system Keypad/Annunciator bus.
  - b. Honeywell 5808W3 Wireless Photoelectric Smoke and Heat Detector: The device shall be UL 268 listed and shall have Maintenance Alert capability and Automatic Drift Compensation.
  - c. ADEMCO 5809 Wireless 135D Fixed Temperature and Rate of Rise Heat Detector: The device shall be UL 521 listed for commercial applications.
  - d. ADEMCO 5817CB Wireless Universal Contact Monitoring Transmitter: This device shall be capable of making any conventional UL listed contact device a wireless device. The device shall be UL listed for commercial burglary applications as follows: UL 365, 609, 1023, 1076 and 1610 for security and nurse call.
  - e. ADEMCO 5869 Wireless Hold up Switch/Transmitter: This device shall be UL 636 listed for commercial burglary applications.
13. Optional Key switch: Control shall support the ADEMCO 4146 Key switch on any one of the system's 8 partitions. If used, zone 7 is no longer available as a protection zone.
14. Voltage Triggers: System shall provide voltage triggers, which change state for different conditions. Used with devices such as a remote keypad sounder or key switch ARMED and READY LEDs.
15. Event Log: System shall maintain a log of different event types (enabled in programming). The event log shall provide the following characteristics:
- a. Stories up to 512 events.
  - b. Viewable at the keypad or through the use of Compass software.
  - c. Printable on a serial printer, including zone alpha descriptors.
16. Scheduling: Provides the following scheduling capabilities:
- a. Open/close schedules (for control of arming/disarming and reporting).
  - b. Holiday schedules (allows different time windows for open/close schedules).
  - c. Timed events (for activation of relays, auto-bypassing and un-bypassing, auto-arming and disarming, etc.).
  - d. Access schedules (for limiting system access to users by time).
  - e. End User Output Programming Mode (provides 20 timers for relay control).
  - f. The system shall automatically adjust for daylight savings time.
17. Communication Features: Supports the following formats and features for the primary and secondary central station receivers:
- a. Formats: ADEMCO Express; ADEMCO Contact ID 4 and 10 Digit Acct number.

b. Backup reporting: The system shall support backup reporting via the following: Secondary phone number; ECP long-range radio (LRR) interface; option to select long range radio (LRR) or dialup as the primary reporting method (dynamic signaling feature).

c. Internet reporting: The system shall be capable of communicating with the central station via the internet using Alarm net-i. It shall provide the user with the ability to control the system via a browser interface (i.e., AOL, Netscape, and Internet Explorer). All packet data transmitted to the monitoring station shall be encrypted with a minimum of 1024 bits of encryption.

18. Audio Alarm Verification Option: Provides a programmable Audio Alarm Verification (AAV) option that can be used in conjunction with an output relay to permit voice dialog between an operator at the central station and a person at the premises.

19. Cross-Zoning Capability: Helps prevent false alarms by preventing a zone from going into alarm unless its cross-zone is also faulted within 5 minutes.

a. Alarm notification appliances, including but not limited to sirens horns, bells and strobes.

b. Auxiliary devices capable of operating using full-wave rectified unfiltered voltage.

20. Exit Error False Alarm Prevention Feature: System shall be capable of differentiating between an actual alarm and an alarm caused by leaving an entry/exit door open. If not subsequently disarmed, the control panel shall:

a. Bypass the faulted E/E zone(s) and/or interior zones and arm the system.

b. Generate an Exit Error report by user and by zone so the central station knows it was an exit alarm and who caused it.

21. Built-in User's Manual and Descriptor Review: For end-user convenience, the control panel shall contain a built-in User's Manual. It shall include the following capabilities:

a. By depressing any of the function keys on the keypad for five (5) seconds, a brief explanation of that function shall scroll across the alphanumeric display.

b. By depressing the READY key for five (5) seconds, all programmed zone descriptors shall be displayed (one at a time). This feature shall provide a check for installers and ensure all descriptors have been entered properly.

22. Programming: Control shall be capable of being programmed locally or remotely using the ADEMCO Compass Downloader and shall be capable of:

a. Uploading and downloading all programming information at 300 baud.

b. Uploading and displaying firmware revision levels from the control.

23. Automation Software: The Control shall be capable of interfacing with automation software via an RS232 input on a single partition.

### **2.3 COMPONENTS**

A. System Integration: System shall integrate with facility doors, windows, and departments. The system shall also integrate with external systems, such as building appliances and building alert systems for remote control and central collection of external system alerts. When integrated with external systems, the system shall connect to the external system to receive status changes by

way of a dry contact output from the external system. The system shall use its user interface to provide local status messages from external systems, providing for the initiation of local building policies. Optionally, the system may transmit information to an off-site monitoring service to provide initiation of remote policies when appropriate. The installer shall follow manufacturer's instructions when installing and programming system equipment.

1. V-Plex Bus Extensions: Extended system V-Plex bus branch circuits shall be scaleable to increase the total size of the bus in larger installations. Branch circuits leading from different buildings or from different floors in multi-story buildings shall be isolated from one another so that a shorted or grounded branch circuit is isolated away from other near-side branch circuits, allowing other V-Plex devices to be isolated so that they can continue to operate.
2. Zone Input: System zone inputs allow the system to sense the change in state of an output from an external device, such as a door/window position sensor, a motion detector, a relay output from an appliance, the output of an external alert system, or other devices that provide a dry closure output.
3. Wireless Receivers for Commercial Applications: Include Commercial Wireless Receivers where designated. The wireless receiver shall be UL Listed, Factory Mutual Approved, MEA Listed, and CSFM Listed for the application. The wireless receiver shall receive messages from wireless devices indicating device detection loop open, normal, shorted, tamper alarm, and low battery status when sent from transmitters associated with the system. Each wireless transmitter shall send periodic check-in signals to its associated control panel. The transmitter's associated control panel shall report any missing transmitter within four and one-half hours. Each transmitter shall report any low battery condition a minimum of seven days before its battery becomes too discharged to power the transmitter. The transmitter's associated control panel shall report any low battery condition by providing a local indication at system keypads, and shall send a trouble report to the central monitoring station. The model number of the receiver is Honeywell 5881ENHC or equivalent.
4. Wireless Repeaters for Commercial Applications: Include Commercial Wireless Repeaters where designated. The wireless repeater shall be UL Listed for the application. The wireless repeater shall receive and forward messages from wireless devices indicating device detection loop open, normal, shorted, tamper alarm, and low battery status when sent from transmitters associated with the system. Each wireless transmitter shall send periodic check-in signals to its associated control panel. The transmitter's associated control panel shall report any missing transmitter within four and one-half hours. Each transmitter shall report any low battery condition a minimum of seven days before its battery becomes too discharged to power the transmitter. The transmitter's associated control panel shall report any low battery condition by providing a local indication at system keypads, and shall send a trouble report to the central monitoring station. The model number of the repeater is Honeywell 58xxRPT or equivalent.
5. Combined AlarmNet-I (Internet) and AlarmNet-GSM (Global System for Mobile) Fire Alarm Communication: The facility system shall be monitored using both the AlarmNet-I and the AlarmNet-G Communication services. The system shall use Honeywell's AlarmNet IGSMCF Fire Alarm transmitter or equivalent. The communication service shall employ a two-way Internet connection through AlarmNet Communication Service as the primary method of communication, and then the two-way GPRS (General Packet Radio Service) as the secondary means of communication and shall use SMS (Short Message Service) as a tertiary means of communication. The equipment shall be UL listed for use in this application. The installer shall follow manufacturer's instructions when installing the AlarmNet unit.

6. VSI Bus Isolation and Integrity: System V-Plex bus branch circuits shall be isolated from one another so that a shorted, overloaded, or grounded branch circuit is isolated away from other near-side branch circuits, allowing undamaged V-Plex bus circuits to continue to operate. VSI Isolation modules shall be installed at near-side connections to cable runs leading to additional buildings, at cable runs leading to additional floors in multi-story buildings, and at junction boxes leading to multiple V-Plex branch circuits within the system. The installer shall use the Honeywell VSI module or equivalent.

7. Zone Input: System zone inputs allow the system to sense the change in state of an output from an external device, such as a door/window position sensor, a motion detector, a relay output from an appliance, the output of an external alert system, or other devices that provide a dry closure output.

8. Leak, Flood, and Water Level: Monitor the level of water in a designated location. The installer shall install a Honeywell Model 470-12 Water Sensor or equivalent. The owner may monitor air conditioning duct drip pans, areas beneath water heaters and tanks, refrigeration drain basins, sump pumps, basements, or restrooms. The installer shall follow manufacturer instructions while installing and programming system equipment.

9. Hollow Steel Frame Doors: Monitor the opened and closed position of doors in the facility. The installer shall install a Honeywell Model 4191SN-WH Recessed 1/2" sensor, equipped with the steel door adapter or equivalent. The installer shall follow manufacturer instructions while installing and programming system equipment.

10. Filled Steel Frame Doors: Monitor the opened and closed position of doors in the facility. The installer shall install a Honeywell Model 960 Door sensor, and a 4193SN or equivalent. The installer shall follow manufacturer instructions while installing and programming system equipment.

11. Wood Frame Doors: Monitor the opened and closed position of doors in the facility. The installer shall install a Honeywell Model 4191SN-WH Recessed 1/2" sensor or equivalent. The installer shall follow manufacturer instructions while installing and programming system equipment.

12. Roof Hatches: Monitor the opened and closed position of hatches and access doors to the roof of the facility. The installer shall install a Honeywell Model 960 Armored Door Sensor, and a 4193SN or equivalent. The installer shall follow manufacturer instructions while installing and programming system equipment.

13. Overhead Doors: Monitor the opened and closed position of overhead bay doors in the facility. The installer shall install a Honeywell Model 4959SN Overhead Door sensor, or equivalent. The installer shall follow manufacturer instructions while installing and programming system equipment.

14. Temperature Threshold Detector: Selected areas in the facility will use Temperature Threshold detectors to sense high or low level temperatures within a designated area. Locations for Temperature Threshold detectors may be in kitchens, laboratories, server rooms, classrooms or other areas where temperature threshold notification is critical. For each Temperature Threshold detector, install a Honeywell zone input module and a Honeywell TS300 Temperature Threshold detector or equivalent, and an appropriate power supply.

15. Carbon Monoxide Detector, V-Plex: Selected areas in the facility will use carbon monoxide detectors to sense high levels of carbon monoxide. Locations for carbon monoxide detectors may be in parking garages, kitchens, laboratories, near fireplaces, or in natural gas fueled heater closets. For each carbon monoxide detector, install a Honeywell 4193SN zone input

module and a System Sensor CO1224 Carbon Monoxide detector or equivalent, and an appropriate power supply.

16. Natural Gas Detector: Selected areas in the facility will use natural gas detectors to sense high levels of natural gas. Locations for natural gas detectors may be in kitchens, laboratories, near fireplaces, or in natural gas fueled heater closets. For each natural gas detector, install a Honeywell zone input module and a Pama DW-200012UL natural gas detector or equivalent, and an appropriate power supply.

17. Glass Break Detector, V-Plex: Selected areas in the protected site will use glass-break detectors to sense the breaking of windows. Where designated in the plans, install a Honeywell Model FG1625SN Glass Break detector or equivalent. The installer shall follow manufacturer's instructions when installing, testing and programming system equipment.

18. Dual-Tec Motion Detector, Wall-Mounted, V-Plex: Selected areas in the protected site will use motion detectors to sense motion in rooms or areas of rooms. Where designated in the plans, install a Honeywell Model DT7500SN V-Plex Dual-Tec Motion Detector or equivalent.

19. Passive Infrared Motion Detector, Ceiling-mounted, V-Plex: Selected areas in the protected site will use motion detectors to sense motion in rooms or areas of rooms. Where designated in the plans, install a Honeywell Model IS280CM Ceiling Mounted Passive Infrared Motion Detector or equivalent.

20. Panic Buttons: Include manual panic buttons under desks, in storage rooms, in walk-in refrigeration units and other designated locations. The panic button shall be the Honeywell Model 269SN or equivalent.

21. Keypad, Alpha Display: The system keypad shall include a two-line, alphanumeric LCD display. Use the Honeywell Vista 6160 keypad or equivalent. The installer shall follow manufacturer's installation instructions when installing system equipment.

22. Keypad: Color Graphic Touch Screen Display: The system keypad shall employ a dynamic, interactive graphic touch screen display. Use the Honeywell Vista 6280 keypad or equivalent. The installer shall follow manufacturer's installation instructions when installing system equipment.

23. Automatic Door Locking: Selected doors in the facility will use system automatic door locking capabilities to restrict entry to into the facility, yet allow free exit by those who have completed their business. For each automatic locking door, install a 4101SN relay output module, a power supply, and an electric locking device.

24. Automatic Door Holders: Selected doors in the facility will use system automatic door holder capabilities to hold doors open until particular system events release the door. For each automatic locking door, install a 4101SN relay output module, a power supply, and an electric magnetic door holder device.

25. Energy Management: The system shall be connected to the central EMS system for the purposes of affecting the operation of heat and air conditioning appliances when the partition is armed.

26. Energy Management: The system shall be connected to each HVAC thermostat for the purposes of disabling heat and air conditioning appliances when the partition is armed.

27. Refrigeration Temperature Threshold Detector: Selected refrigeration units in the facility will use Temperature Threshold detectors to sense high temperature levels. Locations for

Temperature Threshold detectors may be in kitchens, laboratories, for each Temperature Threshold detector, install a Honeywell 4193SN zone input module and a Honeywell TS300 Temperature Threshold detector or equivalent, and an appropriate power supply.

28. Optiflex Video Camera System: Include an integrated video system. Use the Honeywell Optiflex Network Video or equivalent. The Video system shall be capable of being displayed on suitable system keypads. The Video system shall be capable of being viewed from a distant network location by way of a browser, or by video software. The Video system shall provide up to six camera inputs and an NTSC video output. The Video system shall be capable of storing up to 19, 10-frame event clips that can be retrieved by way of software. The system shall not require the use of a DVR. The installer shall follow manufacturer's installation instructions when installing system equipment.

29. Wireless Door Sensors for Wood Jamb: Include Wireless Door Sensors for Wood Jamb Doors where designated. When the door is opened and closed, the wireless door sensor shall send messages indicating the state of the door to the control panel. Each wireless transmitter shall send periodic check-in signals to its associated control panel. The door sensor's associated control panel shall report any missing door sensor within four and one-half hours. Each transmitter shall report any low battery condition a minimum of seven days before its battery becomes too discharged to power the transmitter. Each door sensor shall include an internal tamper switch, and shall send a tamper alert to the control panel when removed from its installed location. The transmitter's associated control panel shall report any low battery condition by providing a local indication at system keypads, and shall send a trouble report to the central monitoring station. The model number of the wireless door sensor is the 5818MN or equivalent.

30. Wireless Door Sensors for Hollow Metal Door Frames: Include Wireless Door Sensors for Hollow Metal Jamb Doors where designated. The when the door is opened and closed, the wireless door sensor shall send messages indicating the state of the door to the control panel. Each wireless transmitter shall send periodic check-in signals to its associated control panel. The door sensor's associated control panel shall report any missing door sensor within four and one-half hours. Each transmitter shall report any low battery condition a minimum of seven days before its battery becomes too discharged to power the transmitter. Each door sensor shall include an internal tamper switch, and shall send a tamper alert to the control panel when removed from its installed location. The transmitter's associated control panel shall report any low battery condition by providing a local indication at system keypads, and shall send a trouble report to the central monitoring station. The model number of the door sensor is the 947-75 and the 5816 Wireless transmitter or equivalent.

31. Wireless Door Sensors for Hollow Metal Door Frames: Include Wireless Door Sensors for Hollow Metal Jamb Doors where designated. The when the door is opened and closed, the wireless door sensor shall send messages indicating the state of the door to the control panel. Each wireless transmitter shall send periodic check-in signals to its associated control panel. The door sensor's associated control panel shall report any missing door sensor within four and one-half hours. Each transmitter shall report any low battery condition a minimum of seven days before its battery becomes too discharged to power the transmitter. Each door sensor shall include an internal tamper switch, and shall send a tamper alert to the control panel when removed from its installed location. The transmitter's associated control panel shall report any low battery condition by providing a local indication at system keypads, and shall send a trouble report to the central monitoring station. The model number of the door sensor is the 947-75 and the 5816 Wireless transmitter or equivalent.

32. Wireless Door Sensors for Roof Hatches: Include Wireless Door Sensors for Roof Hatches where designated. The when the door is opened and closed, the wireless door sensor shall send messages indicating the state of the door to the control panel. Each wireless transmitter

shall send periodic check-in signals to its associated control panel. The door sensor's associated control panel shall report any missing door sensor within four and one-half hours. Each transmitter shall report any low battery condition a minimum of seven days before its battery becomes too discharged to power the transmitter. Each wireless transmitter shall include an internal tamper switch, a back tamper switch, and shall send a tamper alert to the control panel when removed from its installed location, or when opened. The transmitter's associated control panel shall report any low battery condition by providing a local indication at system keypads, and shall send a trouble report to the central monitoring station. The model number of the door sensor is the Ademco 957 and the 5816 Wireless transmitter or equivalent.

33. **Wireless Door Sensors for Overhead Rollup Doors:** Include Wireless Door Sensors for Overhead Rollup Doors where designated. The when the door is opened and closed, the wireless door sensor shall send messages indicating the state of the door to the control panel. Each wireless transmitter shall send periodic check-in signals to its associated control panel. The door sensor's associated control panel shall report any missing door sensor within four and one-half hours. Each transmitter shall report any low battery condition a minimum of seven days before its battery becomes too discharged to power the transmitter. Each wireless transmitter shall include an internal tamper switch, a back tamper switch, and shall send a tamper alert to the control panel when removed from its installed location, or when opened. The transmitter's associated control panel shall report any low battery condition by providing a local indication at system keypads, and shall send a trouble report to the central monitoring station. The model number of the door sensor is the Ademco 957 and the 5816 Wireless transmitter or equivalent.

34. **Dual-Tec Motion Detector, Wall-mounted, Wireless:** Selected areas in the protected site will use motion detectors to sense motion in rooms or areas of rooms. Where designated in the plans, install a Honeywell Model 5898 Wireless Motion Detector or equivalent.

35. **Glass Break Detector, Wireless:** Selected areas in the protected site will use glass-break detectors to sense the breaking of windows. Where designated in the plans, install a Honeywell Model 5853 Glass Break detector or equivalent. The installer shall follow manufacturer's instructions when installing, testing and programming system equipment.

36. **Wireless Panic Button:** Include Wireless Panic Button at designated locations. The when the Panic Button is triggered into alarm, the wireless transmitter shall send a message to the control panel. Each wireless Panic Button shall send periodic check-in signals to its associated control panel. The Panic Button's associated control panel shall report any missing Panic Button within four and one-half hours. Each Panic Button shall report any low battery condition a minimum of seven days before its battery becomes too discharged to power the transmitter. The Panic Button's associated control panel shall report any low battery condition by providing a local indication at system keypads, and shall send a trouble report to the central monitoring station. The wireless Panic Button shall include a cover tamper switch and a rear tamper switch so that it shall send a tamper alarm in the event that the Panic Button's cover is removed, or if the Panic Button is removed from its mounting surface. The model number of the wireless Panic Button is the 5853 or equivalent.

37. **Vibration Sensors:** Include Vibration Sensors where designated. When the sensor detects vibration, the sensor shall send messages indicating the fault to the control panel. Each vibration sensor shall report a trouble condition if disconnected from its zone expander. The model number of the vibration sensor is the Ademco 11 and or equivalent.

38. **Wireless Receivers for Commercial Applications:** Include Commercial Wireless Receivers where designated. The wireless receiver shall be UL Listed, Factory Mutual Approved, MEA Listed, and CSFM Listed for the application. The wireless receiver shall receive messages from wireless devices indicating device detection loop open, normal, shorted, tamper alarm,

and low battery status when sent from transmitters associated with the system. Each wireless transmitter shall send periodic check-in signals to its associated control panel. The transmitter's associated control panel shall report any missing transmitter within four and one-half hours. Each transmitter shall report any low battery condition a minimum of seven days before its battery becomes too discharged to power the transmitter. The transmitter's associated control panel shall report any low battery condition by providing a local indication at system keypads, and shall send a trouble report to the central monitoring station. The model number of the receiver is Honeywell 5881ENHC or equivalent.

39. Wireless Repeaters for Commercial Applications: Include Commercial Wireless Repeaters where designated. The wireless repeater shall be UL Listed for the application. The wireless repeater shall receive and forward messages from wireless devices indicating device detection loop open, normal, shorted, tamper alarm, and low battery status when sent from transmitters associated with the system. Each wireless transmitter shall send periodic check-in signals to its associated control panel. The transmitter's associated control panel shall report any missing transmitter within four and one-half hours. Each transmitter shall report any low battery condition a minimum of seven days before its battery becomes too discharged to power the transmitter. The transmitter's associated control panel shall report any low battery condition by providing a local indication at system keypads, and shall send a trouble report to the central monitoring station. The model number of the repeater is Honeywell 58xxRPT or equivalent.

40. Wood Doors and Windows, Exposed, V-Plex: Monitor the opened and closed position of doors and windows in the facility. The installer shall install a Honeywell Model 4939SN Exposed Addressable Sensor, or equivalent. The installer shall follow manufacturer instructions while installing and programming system equipment.

41. Wood Frame Doors and Windows, Exposed, Wireless: Monitor the opened and closed position of doors in the facility. The installer shall install a Honeywell Model 7939WG Exposed Door Sensor, or equivalent. The installer shall follow manufacturer instructions while installing and programming system equipment.

42. Hatch Doors, Exposed, V-Plex: Monitor the opened and closed position of doors in the facility. The installer shall install a Honeywell Model 4939SN Exposed Addressable Sensor, or equivalent. The installer shall follow manufacturer instructions while installing and programming system equipment.

43. Hatch Doors, Exposed, and Wireless: Monitor the opened and closed position of hatches in the facility. The installer shall install a Honeywell Model 7939WG Exposed Sensor, or equivalent. The installer shall follow manufacturer instructions while installing and programming system equipment.

44. Energy Management and Remote Control by Telephone: The system shall be connected to each HVAC thermostat for the purposes of disabling heat and air conditioning appliances when the partition is armed. Using the 4500 Thermostat Interface and the 4286 Phone module, the system shall allow users to call the protected site and make adjustments to the temperature of the building.

45. Filled Metal Doors and Windows, Exposed, V-Plex: Monitor the opened and closed position of doors and windows in the facility. The installer shall install a Honeywell Model 4939SN Exposed Addressable Sensor, or equivalent. The installer shall follow manufacturer instructions while installing and programming system equipment.

46. Filled Metal Frame Doors and Windows, Wireless: Monitor the opened and closed position of doors and windows in the facility. The installer shall install a Honeywell Model 7939WG



Exposed sensor, or equivalent. The installer shall follow manufacturer instructions while installing and programming system equipment.

47. Hollow Metal Doors and Windows, Exposed, V-Plex: Monitor the opened and closed position of doors and windows in the facility. The installer shall install a Honeywell Model 4939SN Exposed Addressable Sensor, or equivalent. The installer shall follow manufacturer instructions while installing and programming system equipment.

48. Server Room Alert Systems: The system shall be provide sensing of critical conditions within the server room. The system shall alert the user when the temperature is too high, when the humidity is too high, when air conditioning condensation drip pans require draining and when there is an extended power failure.

49. Kitchen Alert Systems: The system shall be provide sensing of critical conditions within the kitchen or food processing facility. The system shall alert the user when the temperature is too high, when the humidity is too high, when air conditioning condensation drip pans require draining and when there is an extended power failure.

50. Natural Gas Detector: Selected areas in the facility will use natural gas detectors to sense high levels of natural gas. Locations for natural gas detectors may be in kitchens, laboratories, near fireplaces, or in natural gas fueled heater closets. For each natural gas detector, install a Honeywell zone input module and a Pama DW-200012UL natural gas detector or equivalent, and an appropriate power supply.

51. Safe or Vault Protection: Monitor the status of the Safe. For each Safe, the installer shall provide complete protection integrated with the system including seismic detectors such as the Honeywell SC100 or equivalent where designated.

52. Vending Machine Protection: Monitor the status of the Vending Machine. For each Vending Machine, the installer shall provide complete protection integrated with the system.

53. Gas Water Heater Alert Systems: The system shall be provide sensing of critical conditions within the water heater room. The system shall alert the user in the event of natural gas leaks, carbon monoxide presence, and in the event of water leaks.

54. Photo Beam, 100 Feet, V-Plex: Monitor the status of photo beam units installed in the facility. The installer shall install a Honeywell Model CK-IB100D Photo Beam Sensor, or equivalent. The installer shall follow manufacturer instructions while installing and programming system equipment.

55. Photo Beam, 250 Feet, V-Plex: Monitor the status of photo beam units installed in the facility. The installer shall install a Honeywell Model CK-IB250S Photo Beam Sensor, or equivalent. The installer shall follow manufacturer instructions while installing and programming system equipment.

56. Hollow Metal Frame Doors and Windows, Exposed, Wireless: Monitor the opened and closed position of doors and windows in the facility. The installer shall install a Honeywell Model 7939WG Exposed Sensor, or equivalent. The installer shall follow manufacturer instructions while installing and programming system equipment.

57. Hollow Metal Frame Doors and Windows, Exposed, Armored, V-Plex: Monitor the opened and closed position of doors and windows in the facility. The installer shall install a Honeywell Model 960 Armored Door Sensor, or equivalent. The installer shall follow manufacturer instructions while installing and programming system equipment.

58. Wood Frame Doors and Windows, Exposed, Armored, V-Plex: Monitor the opened and closed position of doors and windows in the facility. The installer shall install a Honeywell Model 960 Armored Door Sensor, or equivalent. The installer shall follow manufacturer instructions while installing and programming system equipment.
59. Passive Infrared Motion Detector, Wall-Mounted, Wireless: Selected areas in the protected site will use motion detectors to sense motion in rooms or areas of rooms. Where designated in the plans, install a Honeywell Model 5890 Wireless Motion Detector or equivalent.
60. Passive Infrared Motion Detector, Ceiling-Mounted, V-Plex: Selected areas in the protected site will use motion detectors to sense motion in rooms or areas of rooms. Where designated in the plans, install a Honeywell Model 997 Passive Infrared Motion Detector or equivalent.
61. Passive Infrared Motion Detector, Wall-Mounted, V-Plex: Selected areas in the protected site will use motion detectors to sense motion in rooms or areas of rooms. Where designated in the plans, install a Honeywell Model S2500SN V-Plex PIR Motion Detector or equivalent.
62. Dual-Tec Motion Detector, Wall-Mounted, Curtain, Wireless: Selected areas in the protected site will use motion detectors to sense motion in rooms or areas of rooms. Where designated in the plans, install a Honeywell Model 5898 Wireless Motion Detector or equivalent.
63. Dual-Tec Motion Detector, Anti-Mask, Wall-Mounted, V-Plex: Selected areas in the protected site will use motion detectors to sense motion in rooms or areas of rooms. Where designated in the plans, install a Honeywell Model DT-906 Dual-Tec Motion Detector or equivalent with anti-mask detection capabilities.
64. Glass Break Detector, Flush Mount, V-Plex: Selected areas in the protected site will use glass-break detectors to sense the breaking of windows. Where designated in the plans, install a Honeywell Model FG1625F Flush-mount Glass Break detector or equivalent. The installer shall follow manufacturer's instructions when installing, testing and programming system equipment.
65. Glass Break Detector, V-Plex, Flush-Mounted, Concealed: Selected areas in the protected site will use concealed glass-break detectors to sense the breaking of windows. Where designated in the plans, install a Honeywell Model FG1625RFM Glass Break detector or equivalent. The installer shall follow manufacturer's instructions when installing, testing and programming system equipment.
66. Holdup Device, Bill Trap, V-Plex: Include Bill Trap Devices inside of money drawers in the checkout stand. The Bill trap devices be the Honeywell Model 264 or equivalent.
67. Holdup Device: Bill Trap, Wireless: Include Bill Trap Devices inside of money drawers in the checkout stand. The Bill trap devices be the Honeywell Model 264 or equivalent.
68. Holdup Device, Foot Rail, V-Plex: Include Foot Rail Devices on the floor below the customer service station or below designated desks within the protected location. The Foot Rail devices be the Honeywell Model 266 or equivalent.
69. Holdup Device, Foot Rail, Wireless: Include Foot Rail Devices on the floor below the customer service station or below designated desks within the protected location. The Foot Rail devices be the Honeywell Model 266 or equivalent.

70. Wireless Panic Button: Include Wireless Panic Button at designated locations. The when the Panic Button is triggered into alarm, the wireless transmitter shall send a message to the control panel. Each wireless Panic Button shall send periodic check-in signals to its associated control panel. The Panic Button's associated control panel shall report any missing Panic Button within four and one-half hours. Each Panic Button shall report any low battery condition a minimum of seven days before its battery becomes too discharged to power the transmitter. The Panic Button's associated control panel shall report any low battery condition by providing a local indication at system keypads, and shall send a trouble report to the central monitoring station. The wireless Panic Button shall include a cover tamper switch and a rear tamper switch so that it shall send a tamper alarm in the event that the Panic Button's cover is removed, or if the Panic Button is removed from its mounting surface. The model number of the wireless Panic Button is the 5802MN2 2-button panic transmitter or equivalent.

71. Siren, Outdoor, and High Output in Enclosure: Monitor the status of protected openings and areas in the armed and disarmed state. When an audible alarm occurs, the system shall sound a Honeywell Model 702 Siren or equivalent inside of the Model 743BE Enclosure. The installer shall install the siren as directed by manufacturer instructions.

72. Siren Enclosure, Outdoor, and Large: For large sirens, the system shall be mounted inside of the Model 743BE Enclosure. The installer shall install the siren as directed by manufacturer instructions.

73. Siren Indoor/Outdoor in Enclosure: Monitor the status of protected openings and areas in the armed and disarmed state. When an audible alarm occurs, the system shall sound a Honeywell Model 719 Siren or equivalent located inside a 742BE Enclosure. The installer shall install the siren as directed by manufacturer instructions.

74. Siren Enclosure Indoor/Outdoor: 719 Sirens shall be enclosed in a 742BE Enclosure. The installer shall install the siren as directed by manufacturer instructions.

75. Siren Indoor/Outdoor: Monitor the status of protected openings and areas in the armed and disarmed state. When an audible alarm occurs, the system shall sound a Honeywell Model 748LC Siren or equivalent. The installer shall install the siren as directed by manufacturer instructions.

76. Siren Indoor, Wireless: Monitor the status of protected openings and areas in the armed and disarmed state. When an audible alarm occurs, the system shall sound a Honeywell Model 5800WAVE Wireless Siren or equivalent. The installer shall install the siren as directed by manufacturer instructions.

77. Siren Indoor: Monitor the status of protected openings and areas in the armed and disarmed state. When an audible alarm occurs, the system shall sound a Honeywell Model Wave2 Siren or equivalent. The installer shall install the siren as directed by manufacturer instructions.

78. Siren Indoor, Flush Mount: Monitor the status of protected openings and areas in the armed and disarmed state. When an audible alarm occurs, the system shall sound a Honeywell Model Wave2F Siren or equivalent. The installer shall install the siren as directed by manufacturer instructions.

79. Strobe, Indoor/Outdoor: Monitor the status of protected openings and areas in the armed and disarmed state. When an alarm occurs, the system shall indicate the alarm with a Honeywell Model 710 Strobe or equivalent. The installer shall install the strobe as directed by manufacturer instructions.

80. Leak, Flood, Water Level, and Wireless: Monitor the level of water in a designated location. The installer shall install a Honeywell Model 5821 Water Sensor with a 470PB remote probe or equivalent. The owner may monitor air conditioning duct drip pans, areas beneath water heaters and tanks, refrigeration drain basins, sump pumps, basements, or restrooms. The installer shall follow manufacturer instructions while installing and programming system equipment.

81. Temperature Threshold Detector, Wireless: Selected areas in the facility will use Temperature Threshold detectors to sense high or low level temperatures within a designated area. Locations for Temperature Threshold detectors may be in kitchens, laboratories, server rooms, classrooms or other areas where temperature threshold notification is critical. For each Temperature Threshold detector, install a Honeywell 5821 wireless temperature alarm transmitter and a Honeywell TS280R Temperature probe or equivalent.

82. Carbon Monoxide Detector, Wireless: Selected areas in the facility will use carbon monoxide detectors to sense high levels of carbon monoxide. Locations for carbon monoxide detectors may be in parking garages, kitchens, laboratories, near fireplaces, or in natural gas fueled heater closets. For each carbon monoxide detector, install a System Sensor CO1224 Carbon Monoxide detector or equivalent, and an appropriate power supply.

83. Holdup Device: Two-button, Conventional: Include Two-button Holdup Devices at customer windows. The holdup devices shall be the Honeywell Model 268 two-button holdup button or equivalent.

84. Mini-Dome Color Camera, Standard Resolution, Indoor Day Use: Include surveillance capabilities, and shall use the Honeywell HD40 Mini-Dome Camera or equivalent. The installer shall follow manufacturer's installation instructions when installing system equipment.

85. Mini-Dome Color Camera, High Resolution, Indoor/Outdoor Day Use: Include surveillance capabilities, and shall use the Honeywell HD50 Mini-Dome Camera or equivalent. The installer shall follow manufacturer's installation instructions when installing system equipment.

86. Mini-Dome Color Camera, High Resolution, Indoor/Outdoor Day Use: Include surveillance capabilities, and shall use the Honeywell HD51 Mini-Dome Camera or equivalent. The installer shall follow manufacturer's installation instructions when installing system equipment.

87. Mini-Dome Camera, Standard Resolution, Indoor Day/Night Use: Include video surveillance capabilities, and shall use the Honeywell HD60 Mini-Dome Camera or equivalent. The installer shall follow manufacturer's installation instructions when installing system equipment.

88. Mini-Dome Camera, Standard Resolution, Indoor Day/Night Use: Include video surveillance capabilities, and shall use the Honeywell HD61 Mini-Dome Camera or equivalent. The installer shall follow manufacturer's installation instructions when installing system equipment.

89. Mini-Dome Camera, High Resolution, Indoor/Outdoor, Day/Night Use: Include video surveillance capabilities, and shall use the Honeywell HD70 Mini-Dome Camera or equivalent. The installer shall follow manufacturer's installation instructions when installing system equipment.

90. Mini-Dome Camera, High Resolution, Indoor/Outdoor, Day/Night Use: Include video surveillance capabilities, and shall use the Honeywell HD73 Mini-Dome Camera or equivalent. The installer shall follow manufacturer's installation instructions when installing system equipment.

91. Bullet-Style Camera, Standard Resolution, Indoor/Outdoor, and Day/Night Use with night vision: Include video surveillance capabilities, and shall use the Honeywell HB70 Bullet-style Camera or equivalent. The installer shall follow manufacturer's installation instructions when installing system equipment.

92. Bullet-Style Camera, High Resolution, Indoor/Outdoor, and Day/Night Use with Long-range night vision: Include video surveillance capabilities, and shall use the Honeywell HB71 Bullet-style Camera or equivalent. The installer shall follow manufacturer's installation instructions when installing system equipment.

93. Bullet-Style Camera, High Resolution, Indoor/Outdoor, and Day/Night Use: Include video surveillance capabilities, and shall use the Honeywell HB72 Bullet-style Camera or equivalent. The installer shall follow manufacturer's installation instructions when installing system equipment.

94. Bullet-Style Camera, High Resolution, Indoor/Outdoor, and Day/Night Use: Include video surveillance capabilities, and shall use the Honeywell HB73 Bullet-style Camera or equivalent. The installer shall follow manufacturer's installation instructions when installing system equipment.

95. Asset Protection, Wireless: Selected indoor assets within the protected site will use wireless indoor asset protection devices to sense protected object Asset Protection. Where designated in the plans, install a Honeywell Model 5870API Wireless Asset Detector or equivalent.

96. Outdoor Passive Infrared Motion Detector, Wall, Post, or Pole-mounted, Wireless: Selected outdoor areas in the protected site will use outdoor motion detectors to sense motion. Where designated in the plans, install a Honeywell Model 5800PIR-OD Wireless Motion Detector or equivalent.

97. Premium Keypad, Alpha Display: The system keypad shall include a two-line, reverse display alphanumeric LCD display. Use the Honeywell Vista 6460 keypad or equivalent. The installer shall follow manufacturer's installation instructions when installing system equipment.

98. Portrait-style Keypad, Alpha Display: The system keypad shall include a two-line, reverse display alphanumeric LCD display. Use the Honeywell Vista 6165EX Portrait-style keypad or equivalent. The installer shall follow manufacturer's installation instructions when installing system equipment.

## **PART 3 EXECUTION**

### **3.1 EXAMINATION**

A. Examine site conditions prior to installation. Notify Architect and Owner in writing if unsuitable conditions are encountered. Do not start installation until site conditions are acceptable.

### **3.2 INSTALLATION**

A. Intrusion detection and fire alarm control panel system shall be installed and tested in accordance with manufacturer's installation instructions.

1. Coordinate interfaces with Owner's representative where appropriate.

2. Provide back boxes, pull boxes, connectors, supports, conduit, cable, and wire for a complete and reliable installation. Obtain Owner's approval for exact location of all boxes, conduit, and wiring runs prior to installation.
3. Install conduit, cable, and wire parallel and square with building lines, including raised floors areas. Do not exceed forty percent fill in conduits. Gather wires and tie to create an orderly installation.
4. Coordinate with other trades to provide proper sequencing of installation.

### **3.3 FIELD COMMISSIONING AND CERTIFICATION**

- A. Field Commissioning: Test system as recommended by manufacturer, including the following:
1. Conduct complete inspection and testing of equipment, including verification of operation with connected equipment.
  2. Test devices and demonstrate operational features for Owner's representative and authorities having jurisdiction as applicable.
  3. Correct deficiencies until satisfactory results are obtained.
  4. Submit written copies of test results.

### **3.4 TRAINING**

- A. Conduct on-site system training, with the number of sessions and length of sessions as recommended by the manufacturer. Training shall include administration, provisioning, configuration, operation and diagnostics.

END OF SECTION.

Edinburg Consolidated Independent School District  
 CSP 20-32, NEW SECURITY ALARM SYSTEMS FOR TRUMAN, CANO-GONZALEZ & CAVAZOS  
 ELEMENTARIES  
 PROPOSAL FORM

ITEM #	DESCRIPTION	QTY.	TOTAL
1	NEW SECURITY ALARM SYSTEM FOR TRUMAN ELEMENTARY	1	\$ _____
2	NEW SECURITY ALARM SYSTEM FOR CANO-GONZALEZ ELEMENTARY	1	\$ _____
3	NEW SECURITY ALARM SYSTEM FOR CAVAZOS ELEMENTARY	1	\$ _____
TOTAL			\$ _____

**NOTE TO VENDOR:** Please make sure to include a detailed list of all materials, installation, cost of each item, etc. needed to complete this project.