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MAYOR

TOWN OF EAST HARTFORD

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East Hartford, Connecticut 06108

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PURCHASING DEPARTMENT

WWW.EASTHARTFORDCT.GOV

TOWN OF EAST HARTFORD, CT INVITATION TO BID

BID #15-21

RE: Supply and Install an Intrusion Detection System for Raymond Library

Proposals will be received at the Office of the Purchasing Agent, Town Hall, 740 Main Street, East Hartford, Connecticut, 06108 until Wednesday, May 13, 2015 at 11 a.m. at which time they will be publicly opened and recorded.

There will be a **Mandatory Pre-Bid Conference** at Raymond Library, 840 Main Street, East Hartford, CT 06108 on Wednesday, May 6, 2014 at 10:00 a.m.

Information and Specifications are available at the above office or on the Town of East Hartford bid's website at <http://www.easthartfordct.gov/bids>

The right is reserved to reject any or all bids when such action is deemed to be in the best interest of the Town of East Hartford, Connecticut

Michelle A. Enman
Purchasing Agent
(860) 291-7271



TOWN OF EAST HARTFORD, CONNECTICUT

STANDARD INSTRUCTIONS FOR BIDDERS

1. Sealed bid proposals will be received by the purchasing agent until the date and time on the title sheet. **Bids received later than the date and time specified will not be considered and will be returned unopened.**
2. Bids are to be returned to the Purchasing Department with the bid number prominently indicated on the mailing envelope. The name and address of the bidder should appear in the upper left hand corner of the envelope. **Bids will not be accepted via fax or e-mail.**
3. All proposals will be opened and read publicly and are subject to public inspection. Bidders may be present or be represented at all openings. Bid results are mailed to all responding bidders.
4. Municipalities are exempt from any sale, excise or federal taxes. Bid prices must be exclusive of taxes and will be so construed.
5. The Town of East Hartford reserves the right to reject any or all bids or any part of all bids and to waive any informality when such action is in the best interest of the Town. The Town also reserves the right to extend by mutual consent an awarded bid when such action is in its best interest.
6. Bidders should familiarize themselves with the items and/or conditions set forth in the bid specifications. Failure by the bidder to inform himself will not be accepted as an excuse from fulfillment of the bid specifications.
7. All vendors doing business with the Town certify upon acceptance of a bid by virtue of their signature on that bid, that they have read, understood and will comply with the section of the Town's updated plan of affirmative action and equal opportunity relating to contractual and purchasing procedures - section VIII dated 1/88. Vendor agrees to cooperate fully should the Town choose to audit this compliance.
8. In case of an error in the extension or addition of prices, the unit price will govern. The Town will not be subject to any price increases after a bid award if not part of the original bid terms.
9. The Town reserves the right to increase or decrease quantities listed in order to stay within the allocated funding at time of bid opening.
10. The purchasing department has the obligation to accept the lowest responsible bid which is in the Town's best interest. Factors include, but are not limited to, price, compliance to specifications, quality offered, freight costs, delivery time, past performance, standardization of current equipment, financial resources, technical qualifications, equipment and experience.

11. Bidders shall state in writing and attach to the bid, any conditions/exceptions that are part of the bid price. Comments to the effect “see literature” will not be acceptable.
12. Any manufacturers names, trade names, brand names or catalog numbers used in the specifications are there for the purpose of establishing and describing general performance and quality levels. Such references are not intended to be restrictive and bids are invited on these and approved equal brands or products of any manufacturer.
13. The Town’s competitive bidding process is not a means for competitors to obtain private/proprietary information that is not otherwise normally available. Such information relates to a bidder’s financial records and responsibility, test data, manufacturing drawings, formulas and processes. To promote competition and protect valid interests this type of information/data will remain confidential.
14. All bidder questions shall be directed to the Purchasing Agent. Procedural and clarification questions will be answered appropriately. Questions that require an answer that will in effect change/alter the intent of the specifications will only be answered in writing to all bidders by a bid addendum.
15. Awarded bidders are responsible for obtaining all necessary permits as required by OSHA, Federal, State and/or Town regulations. Town permits will be issued at no cost.
16. Alternate proposals will not be considered unless specifically called for in the bid.
17. Prices shall include packing, transportation and delivery charges F.O.B. to East Hartford/delivered unless specifically noted otherwise.
18. Bidder declares that the proposal is not made in connection with any other bidder submitting a proposal for the same bid and is in all respects fair and without collusion or fraud.
19. Cash discounts may be offered by bidder for prompt payment of bills, but such cash discount will not be taken into consideration in determining the awarded low bidder except in the case of tie bids and then only provided such discount is based on payment of invoice not less than fourteen (14) days after satisfactory delivery and/or receipt of invoice, whichever is later.
20. The Town will not award a bid to any bidder who owes a delinquent tax to the Town. Bidders certify by virtue of their signature on the bid sheet that neither the bidder nor any business or corporation which the Bidder owns an interest is delinquent in tax obligations to the Town. The purchasing department will verify that no delinquent taxes are owed before any bid is awarded.
21. Please include a corporate resolution with your submittal. Sample formats for Corporations and Professional Corporations, Limited Liability Company and Partnerships (including Limited Partnership and Limited Liability Partnership) are attached in this packet.

22. The bidding entity is required to provide evidence from the Connecticut Secretary of State that they are in good standing and qualified to conduct business in the State of Connecticut.

**A CERTIFICATE OF INSURANCE WILL ONLY BE REQUIRED OF
THE AWARDED BIDDER**

INSURANCE INDEMNIFICATION CLAUSE

The Town of East Hartford, CT is to be named as an “**additional insured**” and an additional insured policy endorsement must be submitted with the certificate of insurance and the nature of the project is to be stated on the certificate.

INDEMNIFICATION

Contractor agrees to defend, indemnify and hold the Town of East Hartford harmless against and from any and all claims by or on behalf of any person arising from or in connection with:

A: Any act, error, omission, negligence or fault of contractors or any of its agents, servants, employees and sub-contractors.

B: Any accident, injury or damage whatsoever caused to any person occurring during the performance of this contract.

Further, the contractor agrees to defend, indemnify and hold harmless the Town of East Hartford against and from all reasonable costs, counsel fees, expenses and liabilities incurred in or with respect to any such claim and any action or proceeding brought thereon; and in any case any action or proceeding shall be brought against the contractor by reason of any such claim, contractor upon notice from the Town of East Hartford agrees to resist and defend such action proceeding, unless contractor causes the same to be discharged and satisfied.

INSURANCE REQUIREMENTS

A. **GENERAL REQUIREMENTS**

The **CONTRACTOR** shall be responsible for maintaining insurance coverage in force for the life of this contract of the kinds and adequate amounts to secure all of the **CONTRACTOR’S** obligations under this contract with an insurance company(ies) with an AM Best Rating of A-VII or better licensed to write such insurance in the State of Connecticut and acceptable to the Town of East Hartford.

The insurer shall provide the Town of East Hartford with **Certificates of Insurance signed by an authorized representative of the insurance CONTRACTOR(ies)** prior to the performance of this contract describing the coverage and providing that the insurer shall give the Town of East Hartford written notice at least thirty (30) days in advance of any termination, expiration, or any and all changes in coverage.

Such insurance or renewals or replacements thereof shall remain in force during the **CONTRACTOR’S** responsibility under this contracts.

The **CONTRACTOR** at the **CONTRACTOR’S** own cost and expense , shall procure and maintain all insurance required and shall name the Town of East Hartford as Additional Insured on all contracts, except Workers’ Compensation and Professional Errors & Omissions coverage’s.

B. SPECIFIC REQUIREMENTS:

1) Workers' Compensation Insurance

The **CONTRACTOR** shall provide Statutory Workers' Compensation Insurance, including Employer's Liability with Limits of:

- \$100,000 Each Accident
- \$500,000 Disease, Policy Limit
- \$100,000 Disease, Each Employee

2) Commercial General Liability Insurance

The **CONTRACTOR** shall carry Commercial General Liability Insurance (Insurance Services Office Incorporated Form CG-0001 or equivalent). As per occurrence limit **\$1,000,000** is required. The Aggregate Limit will be not less than **\$2,000,000**. Any deviations from the standard unendorsed form will be noted on the Certificate of Insurance.

3) Business Automobile Liability Insurance

The **CONTRACTOR** shall carry Business Automobile Liability Insurance (Insurance Services Office Incorporated Form CA-00001 or equivalent). A per occurrence limit of **\$1,000,000** is required. "Auto Auto" (symbol 1 or equivalent) is required. Any deviations from the standard unendorsed form will be noted on the Certificate of Insurance.

4) Umbrella Liability Insurance

The Town reserves the right to require the **CONTRACTOR** to carry an umbrella policy up to **\$5,000,000**

C. OTHERS: PROFESSIONAL SERVICES - ARCHITECTS, ENGINEERS, ET AL.

Shall carry Errors & Omissions coverage in the amount \$1,000,000 per occurrence for all professional services contracts only. If the insurance coverage is written on a claims made basis, an extended reporting period of at least 3 years after substantial completion of the project is required.

The Town reserves the right to amend amounts of coverage required and type of coverage provided based on work or service to be performed.

D. SUBCONTRACTOR'S REQUIREMENTS:

The **CONTRACTOR** shall require the same insurance that it is required to carry by the Town of East Hartford to be carried by any subcontractors and independent contractors hired by the **CONTRACTOR** and to obtain **Certificates of Insurance** before subcontractors and independent contractors are permitted to begin work.

The **CONTRACTOR** shall require that the Town of East Hartford be named as Additional Insured on all subcontractors and independent contractors insurance before permitted to begin work.

The **CONTRACTOR** and all subcontractors and independent contractors and their insurers shall waive all rights of subrogation against the Town of East Hartford, and its officers, agents, servants and employees for losses arising from work performed by each on this contract.



TOWN OF EAST HARTFORD
CONNECTICUT

INSTRUCTIONS FOR CONSTRUCTION AND/OR LABOR SERVICE BIDS

1. A Certificate of Insurance naming the Town as an additional insured will be required of the **awarded bidder**. The insurance indemnification clause is contained with the bid specifications. .

LINE CHECKED RELATES TO THIS PROJECT:

_____ This is a **prevailing wage bid** and the wage rates are included within the Bid Specifications.

X This **is not** a prevailing wage bid.

2. In accordance with state law, each contract for the construction, remodeling or repair of any public building or public works or improvements shall contain the following provision when the cost of construction, remodeling or repair exceeds the limits as provided in Connecticut General Statutes 31-53; “the wages paid on an hourly basis to any mechanic, laborer or workman employed upon the work herein contracted to be done and the amount of payment or contribution paid or payable on behalf of each such employee to any employee welfare fund, as defined in Subsection (h) of Section 31-53 for the Connecticut General Statutes, shall be at a rate equal to the rate customary or prevailing for the same work in the same trade or occupation in the Town of East Hartford. Any contractor who is not obligated by agreement to make payment or contribution on behalf of such employees to any such employee welfare fund shall pay to each employee as parts of his wages the amount of payment or contribution for his classification on each pay day”.

LINE CHECKED RELATED TO THIS PROJECT:

_____ This **is a required bonded project**

X **No bonds** or any other form of guarantee will be required for this bid project.

3. **(IF REQUIRED):** A Bid Bond must be submitted with the bid and may be in the form of certified check or cashier’s check **payable to “The Town of East Hartford” or a bond of a surety company authorized to transact business in the State of Connecticut**. No checks will be returned until the bid is awarded. If you are the awarded bidder, your check will be held until it is replaced with another Guarantee of Performance. **Bid Bond shall be 5% (five percent) of total bid price.**

A Guarantee of Performance will be required of the awarded bidder and may be in the form of a certified check or cashier's check payable to "The Town of East Hartford" or a bond of a surety company authorized to transact business in the State of Connecticut. Checks will be retained by the Town for period of time after final acceptance and payment as determined by the complexity of the project. Performance Bond shall be 100% (one hundred percent) of awarded bid price.

4. **(IF REQUIRED): The Town reserves the right to require the contractor to carry an umbrella liability limit of (not required).**

5. Before starting any work awarded bidders are responsible for obtaining permits as required by Federal, State, MDC, Utilities and/or Town regulations. Any applicable fees shall be included in the total bid price. Town of East Hartford permits will be issued at no charge.
6. The bidder shall abide by all OSHA, Federal, State and local laws, ordinances and/or regulations, which may affect in any manner those engaged or employed on the work, or the materials or equipment used in the work, or in any way affect the conduct of the work, and no pleas of misunderstanding will be considered on account of ignorance.

If the bidder shall discover any provisions in the drawings, specifications or contract, which are in conflict with any such law, by-law or ordinance or regulation, he shall report it to the Town in writing with the bid proposal.

7. Throughout the work period, the contractor shall maintain the work site in a generally accepted standard of cleanliness, free from accumulation of waste materials or rubbish caused by his operations and shall take prompt action to correct any hazardous conditions reported.
8. It is the responsibility of each bidder before submitting a bid, to familiarize themselves with the specifications and conditions that may affect cost, progress, performance or completion of the project.
9. All materials and equipment shall be applied, installed, connected, erected, used, cleaned and conditioned in accordance with generally accepted industry standards.
10. Unless otherwise specified, the contractor shall furnish and assume full responsibility for all materials, equipment, labor, transportation, construction equipment and machinery, tools, fuel, appliances, power, light, heat, telephone, water, sanitary facilities, temporary facilities and all other facilities and incidentals necessary for the furnishing, performance, testing, start-up and completion of the work.
11. The Contractor may utilize the services of specialty subcontractors on those parts of the work which, under normal contracting practices, are performed by specialty subcontractors.

The Contractor shall not award any work to any subcontractor without prior approval of the Town, which approval will not be given until the Contractor submits to the Town a

written statement concerning the proposed award to the subcontractor, which statement will contain such information as the Town may require.

The Contractor shall be as fully responsible to the Town for the acts and omissions of his subcontractors, and of persons either directly or indirectly employed by them, as he is for the acts and omissions of person directly employed by him.

The contractor shall cause appropriate provisions to be inserted in all subcontracts relative to the work to bind subcontractors to the Contractor by the terms of the General Conditions and other contract documents insofar as applicable to the work of subcontractors and to give the Contractor the same power as regards to terminating any subcontract that the Town may exercise over the Contractor under any provision of the Contract documents.

Nothing contained in this bid shall create any contractual relation between any subcontractor and the Town.

12. The Contractor shall not assign the whole or any part of this contract or any moneys due or to become without written consent of the Town. In case the Contractor assigns all or any part of any moneys due or to become due under this contract, the instrument of assignment shall contain a clause substantially to the effect that it is agreed that the right of the assignee in and or any moneys due or to become due to the contractor shall be subject to prior claims of all person, firms and corporations for services rendered or materials supplied for the performance of the work called for in this contract.

RESOLUTION FOR CORPORATIONS AND PROFESSIONAL CORPORATIONS
(required)

(TO BE TYPED ON CORPORATION LETTERHEAD PAPER)

I _____, Secretary of _____
(Name of Corporation's Secretary) (Legal name of Corporation)
a Corporation duly organized and operating under the laws of _____ and
(State)

Qualified and authorized to do business in the State of Connecticut, DO
HEREBY CERTIFY that the following is a true, correct and accurate copy of a
Resolution duly adopted at a meeting of the Board of Directors of such
Corporation, duly convened and held on _____, at which meeting
a duly constituted quorum of the Board of Directors was present and voted in
favor of such Resolution. I further CERTIFY that such Resolution has not been
modified, rescinded or revoked since the date on which it was enacted, and it is
at present in full force and effect:

RESOLVED: That the following Officers of this Corporation, or any one
them: _____

_____,
(Name and title of Officer or Officers)
is empowered to execute and deliver in the name and on behalf of this
Corporation contracts, bids and other documents to the Town of East Hartford, State of
Connecticut, and are further authorized to affix the Corporate Seal to such documents and to
bind the Corporation to such contracts, bids and other documents.

IN WITNESS WHEREFORE, the undersigned has affixed his/her signature and the
Corporate Seal of the Corporation, this _____ day of _____.

(Affix Corporate Seal Below)

(Typed name of Corporation's Secretary)

SIGNATURE OF SECRETARY

Resolution for Limited Liability Company (required)
(TO BE TYPED ON LIMITED LIABILITY COMPANY LETTERHEAD PAPER)

The undersigned, all of the members [or, if applicable, the managing member] of _____
_____ (legal name of LLC)
A Limited Liability Company duly organized and operating under the laws of _____ and _____ (State)
qualified and authorized to do business in the State of Connecticut, DO

HEREBY CERTIFY that the following is a true, correct and accurate copy of a Resolution duly adopted at a meeting of the Members of such Limited Liability Company, duly convened and held on _____, at which meeting a duly constituted quorum of the voting Members was present and voted in favor of such Resolution. We further CERTIFY that such Resolution has not been modified, rescinded or revoked since the date on which it was enacted, and it is at present in full force and effect:

RESOLVED: That the following Members of this Limited Liability Company, or any one them: _____

_____,
(Name and title of Members)
is empowered to execute and deliver in the name and on behalf of this Limited Liability Company, contracts bids and other documents to the Town of East Hartford, State of Connecticut, and are further authorized to seal to such documents and to bind the Limited Liability Company to such contracts, bids and other documents.

IN WITNESS WHEREFORE, the undersigned have executed this resolution, this _____ day of _____.

Have all necessary parties sign and indicate their name and title, such as member, managing member etc..

Resolution for Partnership (including Limited Partnership and Limited Liability Partnership)
(required)

(TO BE TYPED ON PARTNERSHIP LETTERHEAD PAPER)

The undersigned, all of the partners (or, if a Limited Partnership, all of the general partners, or if a Limited Liability Partnership, all of the partners) of _____, a partnership (or, if applicable, a Limited Partnership or Limited Liability Partnership) duly organized and operating under the laws of _____ and qualified and authorized to do business in the State of Connecticut, DO HEREBY CERTIFY that the following is a true, correct and accurate copy of a Resolution duly adopted at a meeting of the voting partners of such partnership duly convened and held on _____, at which meeting a duly constituted quorum of the voting partners was present and voted in favor of such Resolution. We further CERTIFY that such Resolution has not been modified, rescinded or revoked since the date on which it was enacted, and it is at present in full force and effect:

RESOLVED: That the following partners, or any one of them: _____

_____,
(Name and title of Partners)

is empowered to execute and deliver in the name and on behalf of this partnership, contracts, bids and other documents to the Town of East Hartford, State of Connecticut, and are further authorized to seal to such documents and to bind the partnership to such contracts, bids and other documents.

IN WITNESS WHEREFORE, the undersigned have signed this resolution on, this _____ day of _____.
(day) (month and year)

Have all necessary partners sign and indicate their name and title, such as partner, general partner, etc.

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.
- B. Related Drawings
 - 1. "T" Technology Plans

1.2 SUMMARY

- A. The scope of work required as part of this project shall include an intrusion detection systems to be installed into this new facility.
- B. Section Includes:
 - 1. Control Panel
 - 2. Motion Sensors
 - 3. Door Contacts
 - 4. Intrusion detection devices
- C. These specifications contain the functional and operational requirements for an integrated intrusion alarm system employing motion detection devices and door contacts as the primary means of intrusion detection for selected interior protection. This procurement shall include all the equipment required at various facilities as shown on the Drawings.
- D. Responsibility for the integrated security systems and equipment is specified in the following sections and shall be coordinated with the finish door hardware and Fire Alarm sections.
- E. The intrusion system is intended to provide protection of selected facilities against intrusion and for the detecting or discouraging of burglary or vandalism during the hours the facilities are unoccupied and report signal to the Central Station.
- F. General: Provide and install an integrated security system and all devices, terminations, associated supporting devices, configuration of system, testing and training in accordance with this Bid package to provide a complete and functional system.
- G. The cabling provided and installed by other trades is described within the construction bid document and referenced on the drawings associated with this bid package. All other cabling required to provide a complete and functional system shall be furnished and installed by the Contractor awarded this portion of work.
- H. The proposed system shall interface with the existing intrusion detection system.

INTRUSION DETECTION

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- I. This specification is used to identify the requirements for integrated Burglar entry systems encompassing door contacts and motion detectors.
 - J. Responsibility for the integrated security systems and equipment is specified in the following sections and shall be coordinated with the Finish Hardware and Fire Alarm sections of the Phase I Construction.
 - K. It is the intent of these specifications to procure a fully acceptable, effective and reliable integrated security system. Refer to the Drawings for division of responsibility. These specifications recognize the importance of complete system operation and are not limited to specifying of equipment only. The following are also required from the selected bidder:
 - 1. Proven experience in the security business.
 - 2. Prompt delivery and professional installation including service of equipment as specified.
 - 3. Bidder must provide, for objective evaluation, references, which clearly state and show the effectiveness of proposed equipment and services.
 - 4. Used products will not be acceptable. Manufacturer must satisfactorily demonstrate that he has supplied and will continue to supply products to avoid the obsolescence of equipment installed in the building.
 - 5. All equipment shall be fully guaranteed for twelve (12) months. This guarantee shall become effective from the day of installation completion. When in normal operation, if the equipment is found to be below the manufacturer's specification, repair and replacement of equipment shall be provided. Repairs shall be started within twenty-four (24) hours and completed without delay. Installation contractor shall either stock spares or be capable of obtaining all required replacement parts within twenty-four (24) hours.
 - 6. Extended warranty terms shall be provided by the installing security system integrator at the time of bid.

1.3 SYSTEM DESCRIPTION

- A. The system shall be a Burglary/Access Control/CCTV Switching System that includes the following capabilities:
 - 1. Listed for UL Commercial Burglary VISTA-128BP - 1 Detection and Alarm
 - 2. Supports up to 128 zones.
 - 3. Supports up to eight (8) separate partitions.
 - 4. Supports up to 150 users.
 - 5. Provides integrated security, access control, and CCTV switching capability.
 - 6. Provides supervision of peripheral devices.
 - 7. Supports up to 96 optional relay outputs.
 - 8. Supports long-range radio (LRR) communication.
 - 9. Provides scheduling capability to allow for automated operations.
 - 10. Supports up to eight (8) alphanumeric paging devices.
 - 11. Supports panel linking.
 - 12. Supports alarm reporting via Internet.
 - 13. Interfaces with automation software.
 - 14. Capable of being installed using existing wiring.

INTRUSION DETECTION

1.4 APPLICABLE STANDARDS

- A. All of the work within the scope of this bid shall be performed in accordance with the applicable state, county and city laws and ordinances. The bidder shall be able to obtain all permits and licenses as required in addition to being a licensed contractor. All materials, supplies and equipment being furnished shall be installed in accordance with the latest version of the applicable standards of:
1. OSHA
 2. Uniform Building Code
 3. Americans with Disabilities Act (ADA)
 4. Components of the system shall be of the type approved by Safety and Regulatory Agencies including:
 - a. Underwriters' Laboratories (UL), Inc.
 - b. Federal Communications Commission (FCC).
 - c. Agency approvals and UL Listing declare the system's design, components, and installation shall meet the highest standards.
 - d. System installation shall comply with UL 681 and UL 611.
 5. Alarm detection systems intended for UL certified fire alarm reporting shall meet the requirements of UL Standard 985, NFPA Standard 72 Chapter 2.
 6. The equipment shall comply with Part 68 of the FCC Telephone Requirements Rules.
 7. All circuits and equipment shall be installed and protected according to the National Electric Code and any applicable local requirements.

1.5 DEFINITIONS

- A. LCD: Liquid-crystal display.
- B. LED: Light-emitting diode.
- C. PIR: Passive infrared.
- D. RFI: Radio-frequency interference.
- E. Protected or Protection Zone: A space or area for which an intrusion must be detected and uniquely identified, the sensor or group of sensors assigned to perform the detection, and any interface equipment between sensors and communication link to central-station control unit.

1.6 SUBMITTALS

- A. Product Data: Components for sensing, detecting, systems integration, and control, including dimensions and data on features, performance, electrical characteristics, ratings, and finishes.
- B. Shop Drawings: Detail assemblies of standard components that are custom assembled for specific application on this Project.

INTRUSION DETECTION

1. Functional Block Diagram: Show single-line interconnections between components including interconnections between components specified in this Section and those furnished under other Sections. Indicate methods used to achieve systems integration. Indicate control, signal, and data communication paths and identify programmable logic controllers, networks, and control interface devices and media to be used. Describe characteristics of network and other data communication lines.
 2. Raceway Riser Diagrams: Detail raceway runs required for intrusion detection and for systems integration. Include designation of devices connected by raceway, raceway type, and size, and type and size of wire and cable fill for each raceway run.
 3. Device Address List: Coordinate with final system programming.
 4. System Wiring Diagrams: Include system diagrams unique to Project. Show connections for all devices, components, and auxiliary equipment. Include diagrams for equipment and for system with all terminals and interconnections identified.
 5. Sensor detection patterns and adjustment ranges.
- C. Equipment and System Operation Description: Include method of operation and supervision of each component and each type of circuit. Show sequence of operations for manually and automatically initiated system or equipment inputs. Description must cover this specific Project; manufacturer's standard descriptions for generic systems are not acceptable.
- D. Field quality-control test reports.
- E. Operation and Maintenance Data: For intrusion detection system to include in emergency, operation, and maintenance manuals. In addition to items specified in Division 01 Section "Operation and Maintenance Data," include the following:
1. Data for each type of product, including features and operating sequences, both automatic and manual.
 2. Central-station control-unit hardware and software data.
- F. Warranty: Special warranty specified in this Section.
- G. In the event that the installation contractor does not furnish or does not supply sufficient documentation, the owner has the right to engage a separate contractor to attain any or all required documentation. All costs related with this event shall result in a back charge to the installation vendor via a change order.

1.7 QUALITY ASSURANCE

- A. Installer Qualifications:
1. An employer of workers, at least one of whom is a technician certified by the National Burglar & Fire Alarm Association.
 2. Manufacturer's authorized representative who is trained and approved for installation of units required for this Project.
 3. A copy of the Contractors Certified Installers Certificate shall be furnished with bid response.

INTRUSION DETECTION

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- B. Intrusion Detection Systems Integrator Qualifications: An experienced intrusion detection equipment supplier and/or Installer who has completed systems integration work for installations similar in material, design, and extent to that indicated for this Project, whose work has resulted in construction with a record of successful in-service performance.
 - C. Electrical Components, Devices, and Accessories: Listed and labeled as defined in NFPA 70, Article 100, by a testing agency acceptable to authorities having jurisdiction, and marked for intended use.
 - D. FMG Compliance: FMG-approved and -labeled intrusion detection devices and equipment.
 - E. Comply with NFPA 70.
 - F. Electrical Power
 - 1. Normal System Power Supply: 120V, 60Hz, through a locked disconnect device and an isolation transformer in a central-station control unit. Central-station control unit shall supply power to all components connected to it unless otherwise indicated.
 - 2. Power Continuity for Central-Station Control Units: Batteries in power supplies of the central-station control unit and individual system components shall maintain continuous system operation during outages of both the normal and backup ac system supply.
 - a. Batteries: Rechargeable, valve-regulated, recombinant, sealed, lead-acid type with nominal ten (10) year life expectancy. Capacity adequate to operate portion of system served, including audible trouble signal devices for up to four (4) hours and audible and visual alarm devices under alarm condition for an additional ten (10) minutes.
 - b. Battery Charger: Solid-state fully automatic, variable-charging-rate type. Charger shall recharge fully discharged battery within twenty-four (24) hours.
 - B. Annunciation: Indicate a change in system condition and switching of system or component to backup power.

1.8 WARRANTY

- A. Special Warranty: Manufacturer's standard form in which manufacturer and Installer agree to repair or replace components of intrusion detection devices and equipment that fails in materials or workmanship within specified warranty period.
 - 1. Warranty Period: Five (5) years from date of Substantial Completion.

PART 2 - PRODUCTS

INTRUSION DETECTION

2.1 BILL OF MATERIAL - BOM

- A. The following BOM is offered as reference and only depicts the major components of this system. All quantities must be confirmed to the architectural plans. All components not listed but required to achieve a complete system must be included.

Item #	Qty	Description	Manufacturer	Part No.
RAYMOND LIBRARY				
1	1	Master Unit	Honeywell	Vista 128
2	9	Door Position Switches	Honeywell	Specify
3	19	PIR Motion Sensors - Classrooms	Honeywell	IS2500SN
4	2	PIR 360 Motion Sensors - Corridors	Honeywell	IS280CM
5	1	Keypads	Honeywell	6160
6	a/r	Addressable one-zone expander for Non addressable Devices	Honeywell	4293SN
7	a/r	Addressable two-zone expander for Non addressable Devices	Honeywell	4193SN
8	2	Power Supplies	Specify	Specify
9	1	Installation & Configuration	a/r	a/r

2.2 MANUFACTURERS

- A. Approved Manufacturer:

1. The systems specified is based on the following manufacturer which is standardized within the town district:
2. Manufacturer: **Honeywell Vista 128BP**
3. System performance
 - a. Control Panel - The control panel shall be an eight (8)-partition, UL commercial burglary control panel that supports up to 128 zones using basic hardwired, polling loop, and wireless zones. It shall also provide supervision of the bell output, RF receivers, and relay modules. In addition, 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, and alphanumeric paging devices. The control shall provide integrated access control and CCTV-switching capability.
 - 1) Basic Hardwired Zones - The control shall provide nine (9) 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) Individually assignable to one of eight (8) partitions.
 - c) Supports up to 16 two-wire smoke detectors on one selected zone.
 - d) Supports four-wire smoke or heat detectors on any zone (power to four-wire smoke detectors must be supervised with an EOL device).

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- e) Supports up to 50 two-wire latching glass break detectors on one selected zone.
- b. Expansion Zones
 - 1) Polling Loop Expansion – The control shall support up to 119 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:
 - a) 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.
 - b) Individually assignable to one of eight (8) partitions.
 - c) Supervised by the control panel.
 - d) A 12,000 ft (3658 m) wire run capability without using shielded cable.
 - e) Each RPM (Remote Point Module) enclosure shall be tamper protected.
 - c. Partitions – The control shall provide the ability to operate eight (8) separate areas, each functioning as if it had its own control. Partitioning features shall include:
 - 1) A Common Lobby partition (1-8), which can be programmed to perform the following functions:
 - a) Arms automatically when the last partition that shares the common lobby is armed.
 - b) Disarms when the first partition that shares the common lobby is disarmed.
 - 2) A Master partition (9), used strictly to assign keypads for the purpose of viewing the status of all eight (8) partitions at the same time (master keypads).
 - 3) Assignable by zone.
 - 4) Assignable by keypad.
 - 5) Assignable by relay to one or all eight (8) partitions.
 - 6) Ability to display fire and/or burglary and panic and/or trouble conditions at all other partitions' keypads (selectable option).
 - 7) Certain system options selectable by partition, such as entry/exit delay and subscriber account number.
 - d. User Codes – The control shall accommodate 150 user codes, all of which can operate any or all partitions. Certain characteristics must be assignable to each user code, as follows:

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- 1) 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.
 - 2) Opening/Closing central station reporting option.
 - 3) Specific partitions that the code can operate.
 - 4) Global arming capability (ability to arm all partitions the code has access to in one command).
 - 5) Use of an RF (button) to arm and disarm the system (RF key must first be enrolled into the system).
- e. Peripheral Devices – The control shall support up to 30 addressable ECP devices, which can be any combination of keypads, RF receivers, relay modules, annunciator modules, and interactive phone modules. Peripheral devices have the following characteristics:
- a. Each device set to an individual address according to the device's instructions.
 - 1) Each device set to an individual address according to the device's instructions.
 - 2) Each device enabled in system programming.
 - 3) Each device's address shall be supervisable (via a programming option).
- f. Keypad/Annunciator – The 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:
- 1) Performing all system arming functions.
 - 2) Being assigned to any partition.
 - 3) Providing four programmable single-button function keys, which can be used for:
 - a) Panic Functions –activated by wired and wireless keypads; reported separately by partition.
 - b) 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.
- g. 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:
- 1) Obtain system status information. Arm and disarm the security system. Control relays.
 - 2) Arm and disarm the security system.
 - 3) Control relays.

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- h. LED Annunciator – The control shall support the ADEMCO FSA-8 and FSA-24 annunciators, which are capable of:
 - 1) Visually identifying a zone or point that is in alarm or trouble.
 - 2) Programmable for system silence/reset.
 - 3) Up to 96 LEDs may be used in one system.
 - 4) A total of four (4) FSA-24 or 12 FSA-8 annunciators may be used in one system.
 - 5) An optional keyswitch, FSAKSM module, shall be available for UL listed Silence and Reset capability.

- i. Voltage Triggers – The system shall provide voltage triggers, which change state for different conditions. Used with LRR (Long Range Radio) equipment or other devices such as a remote keypad sounder, keyswitch ARMED and READY LEDs, or a printer to print the system's event log.

- j. Event Log – The System shall maintain a log of different event types (enabled in programming). The event log shall provide the following characteristics:
 - 1) Stores up to 512 events.
 - 2) Viewable at the keypad or through the use of Compass software.
 - 3) Printable on a serial printer using a 4100SM Module including zone alpha descriptors.
 - 4) Stores PassPoint access control events.
 - 5) Sends printed events to up to eight alpha numeric pagers.

- k. Scheduling - Provides the following scheduling capabilities:
 - 1) Open/close schedules (for control of arming/disarming and reporting).
 - 2) Holiday schedules (allows different time windows for open/close schedules).
 - 3) Timed events (for activation of relays, auto-bypassing and un- bypassing, auto-arming and disarming, etc.).
 - 4) Access schedules (for limiting system access to users by time)
 - 5) End User Output Programming Mode (provides 20 timers for relay control).
 - 6) The system shall automatically adjust for daylight savings time.

- l. Communication Features - Supports the following formats and features for the primary and secondary central station receivers:
 - 1) Formats
 - a) ADEMCO Low Speed (Standard or Expanded).
 - b) Sescoa/Radionics.
 - c) ADEMCO Express.
 - d) ADEMCO High Speed.
 - e) ADEMCO Contact ID.

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- 2) Backup reporting – The system shall support backup reporting via the following:
 - a) Secondary phone number.
 - b) ECP long range radio (LRR) interface.
 - c) Option to select long range radio (LRR) or dialup as the primary reporting method (dynamic signaling feature).
 - 3) Internet reporting – The system shall be capable of communicating with the central station via the internet using Alarmnet-i. It shall provide the user with the ability to control the system via a browser interface (i.e., AOL, Netscape, Internet Explorer). All packet data transmitted to the monitoring station shall be encrypted with a minimum of 1024 bits of encryption.
 - m. 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.
 - n. 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.
 - o. Pager Interface – The Control Panel shall be capable of sending event information to an alphanumeric pager via a VA-8201 pager interface device.
 - p. Exit Error False Alarm Prevention Feature – The 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:
 - 1) Bypass the faulted E/E zone(s) and/or interior zones and arm the system.
 - 2) Generate an Exit Error report by user and by zone so the central station knows it was an exit alarm and who caused it.
 - q. 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:
 - 1) 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.
 - 2) 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.
 - r. Programming - The Control shall be capable of being programmed locally or remotely using the ADEMCO Compass Downloader and shall be capable of:
 - 1) Uploading and downloading all programming information at 300 baud.
 - 2) Uploading and displaying firmware revision levels from the control.

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- s. Panel Linking - The Control shall be capable of being networked together with up to eight other controls and being operated by any keypad within the system. It shall provide the ability for users to:
- 1) Control multiple zones, partitions, and/or buildings from a central location.
 - 2) Check status, arm and disarm any partition from any keypad in the system.
 - 3) Globally arm or disarm partitions based upon user authority.
- t. Automation Software - The Control shall be capable of interfacing with automation software via an RS232 input on a single partition.

2.3 COMMUNICATION DEVICE

A. **HONEYWELL #GSMV4G** or equivalent Digital Cellular Communicator for VISTA Control Panels

B. Features

1. Multi-GSM platform compability —2G, 3G and 4G
2. Automatic selection of the best available GSM network
3. 4G capable using HSPA+ protocol
4. Full Contact ID or ADEMCO® High-Speed Reporting Contact ID reporting using ECP mode with compatible Honeywell control panels or combined with optional dialer capture for non-ECP capable control panels.
5. 256-bit AES Encryption Advanced encryption standard used for secure communications.
6. Upload/Download Available with select Honeywell control panels. Requires Compass version 1.5.8.54a or higher.
7. Integration Quick and easy installation of GSM for VISTA® and LYNX controls.
8. Dynamic Signaling with Certain Honeywell Control Panels Provides management of control panel dialer and digital cellular communicator. Programmable priority and delays determine signal path.
9. Diagnostic LEDs Provide signal strength and status indications.
10. QOS Quality of Service diagnostics via AlarmNet supply vital information including when a message was received, battery voltage, input voltage, signal strength and message path.
11. Web-Based Programming Allows complete interactive programming from AlarmNet Direct. Error! Hyperlink reference not valid.
12. Intelligent Supervision Any message generated serves as a supervision message per optional 24 hour or 30 day intervals. This feature effectively limits required messages to be sent.
13. Remote Services Capability* Optional Honeywell Total Connect™ Remote Services value-added web-based or SMS system control as well as e-mail notification of system events.

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14. Two-way Voice Transport GSM voice channel capable to allow two-way voice session in conjunction with an audio verification system (GSMX4G/iGSMV4G/GSMV4G/VISTA-GSM4G).

2.4 DOOR CONTACTS

- A. Compatible with Honeywell.
- B. Flush-Mounted Switched: Unobtrusive and flush with surface of door and window frame.

2.5 MICROWAVE-PIR DUAL TECHNOLOGY MOTION SENSORS

- A. **HONEYWELL #IS2500SN** or equivalent, Wall mounted PIR sensor.
 1. Description: PIR SMART Motion Sensor with Tamper, S/NWall-Mounting Unit
Maximum Detection Range:
 2. One hundred twenty-five percent (125%) of indicated distance for an individual unit and shall not be less than 50 feet.
- B. **HONEYWELL # IS280CM** or equivalent, 360 degree PIR sensor.
 1. Description: PIR SMART Motion Sensor with Tamper, S/NWall-Mounting Unit
Maximum Detection Range:
- C. **HONEYWELL #4293SN**, VPLEX extender
 1. Addressable one-zone expander for Honeywell V-Plex non- addressable devices.
- D. **HONEYWELL #4193SN**, VPLEX extender
 1. Addressable two-zone expander for Honeywell V-Plex non- addressable devices.

2.6 ALARM KEYPAD CONSOLE

- A. **HONEYWELL #6160** Console

2.7 ENCLOSURE

- A. The Control Panel shall be enclosed in a metal cabinet, suitable for wall mounting. The 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.

2.8 ELECTRICAL POWER REQUIREMENTS

- A. System Power – The Fire and Burglary Alarm System shall operate using standard 120 volts AC, 50/60 Hz power.
 1. Control Primary Power – Transformer power shall be 16.5 VAC, 40VA.

INTRUSION DETECTION

2. Backup Battery – A rechargeable 12 VDC, gel type, lead acid backup battery shall be provided. The battery shall be rated between 7 and 34- ampere hours (AH).
3. Alarm Power – Alarm power shall be 12 VDC, 1.7 amps for each bell output
4. Auxiliary Standby Power – Standby power shall be 12 VDC, 750 mA maximum.
5. Fusing – The battery input, auxiliary, and bell outputs shall be protected using PTC circuit breakers. All outputs shall be power limited.

2.9 SUBSTITUTIONS

- A. Substitution of any item shall only be permitted when the Owner waives the specification(s) of a particular product(s) in writing, allowing a substitute item to be bid. It shall be the responsibility of the Contractor requesting the substitution that the proposed item is equivalent in each and every way to the originally specified product stated within this bid specification and drawing package and that it is in the best interest of the Owner to use the proposed substitute.

PART 3 - EXECUTION

3.1 COMMISSIONING OF SYSTEMS AND EQUIPMENT

- A. Engage a factory-authorized service representative or technician who is familiar with this project to participate and assist, if necessary, in the functional performance testing of the equipment include in this Division with the Commissioning Agent.

3.2 EXAMINATION

- A. Examine substrates, areas, and conditions, with Installer present, for compliance with requirements for installation tolerances and other conditions affecting performance of intrusion detection.
 1. Examine roughing-in for embedded and built-in anchors to verify actual locations of intrusion detection connections before intrusion detection installation.
 2. For the record, prepare written report, endorsed by Installer, listing conditions detrimental to performance of intrusion detection.
- B. Inspect built-in and cast-in anchor installations, before installing intrusion detection, to verify that anchor installations comply with requirements. Prepare inspection reports.
 1. Remove and replace anchors where inspections indicate that they do not comply with requirements. Re-inspect after repairs or replacements are made.
 2. Perform additional inspections to determine compliance of replaced or additional anchor installations. Prepare inspection reports.
- C. For material whose orientation is critical for its performance as a ballistic barrier, verify installation orientation.
- D. Proceed with installation only after unsatisfactory conditions have been corrected.

INTRUSION DETECTION

3.3 SYSTEM INSTALLATION

- A. The System shall be installed and tested in accordance with the Manufacturer's Installation instructions. The following conditions are applicable:
- B. In order to ensure a complete, functional System, for bidding purposes, where information is not available from the Owner upon request, the worst case condition shall be assumed.
- C. Interfaces shall be coordinated with the Owner's representative, where appropriate.
- D. All necessary backboxes, pullboxes, connectors, supports, conduit, cable, and wire shall be furnished and installed to provide a complete and reliable System installation.
- E. All conduit, cable, and wire shall be installed parallel and square with building lines. Conduit fill shall not exceed forty percent (40%). All wires shall be gathered, labeled and tied to create an orderly installation.
- F. Comply with UL 681.

3.4 WIRING INSTALLATION

- A. Wiring within Enclosures: Bundle, lace, and train conductors to terminal points. Use lacing bars and distribution spools. Separate power-limited and non-power-limited conductors as recommended in writing by manufacturer. Install conductors parallel with or at right angles to sides and back of enclosure. Connect conductors that are terminated, spliced, or interrupted in any enclosure associated with intrusion system to terminal blocks. Mark each terminal according to system's wiring diagrams. Make all connections with approved crimp-on terminal spade lugs, pressure-type terminal blocks, or plug connectors.
- B. Wires and Cables:
 - 1. Conductors: Size as recommended in writing by system manufacturer, unless otherwise indicated.
- C. Splices, Taps, and Terminations: Make connections only on numbered terminal strips in junction, pull, and outlet boxes; terminal cabinets; and equipment enclosures.
- D. Install power supplies and other auxiliary components for detection devices at controllers, unless otherwise indicated or required by manufacturer. Do not install such items near devices they serve.
- E. Identify components with engraved, laminated-plastic or metal nameplate for central-station control unit and each terminal cabinet, mounted with corrosion-resistant screws.

3.5 GROUNDING

- A. Ground system components and conductor and cable shields to eliminate shock hazard and to minimize ground loops, common-mode returns, noise pickup, cross talk, and other impairments.

INTRUSION DETECTION

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- B. Signal Ground Terminal: Locate at main equipment rack or cabinet. Isolate from power system and equipment grounding. Provide 5-ohm ground. Measure, record, and report ground resistance.
 - C. Install grounding electrodes of type, size, location, and quantity indicated.

3.6 FIELD QUALITY CONTROL

- A. Pretesting: After installation, align, adjust, and balance system and perform complete pretesting to determine compliance of system with requirements in the Contract Documents. Correct deficiencies observed in pretesting. Replace malfunctioning or damaged items with new ones and retest until satisfactory performance and conditions are achieved. Prepare forms for systematic recording of acceptance test results.
 - 1. Report of Pretesting: After pretesting is complete, provide a letter certifying that installation is complete and fully operable; include names and titles of witnesses to preliminary tests.
- B. Perform the following field tests and inspections and prepare reports:
 - 1. Inspection: Verify that units and controls are properly labeled and interconnecting wires and terminals are identified.
 - 2. Operational Tests: Schedule tests after pretesting has been successfully completed. Test all modes of system operation and intrusion detection at each detection device. Test for detection of intrusion and for false alarms in each protected zone. Test for false alarms by simulating activities outside indicated detection patterns.
 - 3. Electrical Tests: Comply with NFPA 72, Section A-7. Minimum required tests are as follows:
 - a. Verify the absence of unwanted voltages between circuit conductors and ground.
 - b. Test all conductors for short circuits using an insulation-testing device.
 - c. With each circuit pair, short circuit at the far end of circuit and measure circuit resistance with an ohmmeter. Record circuit resistance of each circuit on Record Drawings.
 - d. Verify that each controller is in normal condition as detailed in manufacturer's operation and maintenance manual.
 - e. Verify that transient surge-protection devices are installed according to manufacturer's written instructions.
 - f. Test each initiating and indicating device for alarm operation and proper response at central-station control unit.
- C. Report of Tests and Inspections: Prepare a written record of tests, inspections, and detailed test results in the form of a test log.
- D. Tag all equipment, stations, and other components for which tests have been satisfactorily completed.

3.7 ADJUSTING

- A. Occupancy Adjustments: When requested within twelve (12) months of Substantial Completion, provide on-site assistance in adjusting system to suit actual occupied conditions. Provide up to three (3) visits to Project during other than normal occupancy hours for this purpose. Visits for this purpose shall be in addition to any required by warranty.

END OF SECTION 281600

BID SHEET

Company Name: _____

This proposal is made with the understanding that it will be accepted or rejected within sixty days; this may be extended by mutual consent. The undersigned declares that all information and specifications have been examined and understood and makes the following offer:

Item	Qty	Item Desc	Mfg	Part No	Unit Price Material	Total Price
1	1	Master Unit	Honeywell	Vista 128		\$
2	9	Door Position Switches	Honeywell	Specify		\$
3	19	PIR Mostion Sensors – Classrooms	Honeywell	IS2500SN		\$
4	2	PIR 360 Motion Sensors – Corridors	Honeywell	IS280CM		\$
5	1	Keypads	Honeywell	6160		\$
6	a/r	Addressable one-zone expander for Non addressable Devices	Honeywell	4293SN		\$
7	a/r	Addressable one-zone expander for Non addressable Devices	Honeywell	4193SN		\$
8	2	Power Supplies	Specify	Specify		\$
9	1	Installion & Configuration	a/r	a/r		\$

<i>Materials Total:</i>	
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Materials Cost _____

Installation, Delivery and Labor Cost _____

Total Project Cost \$ _____

- Please pay special attention to Part 1 – General, Section 1.2, letter F.
- Please submit with bid package, the completed Bid Sheet (previous page), Corporate Resolution, and Submittal requirements listed under 1.6 of the bid specifications.

Please Acknowledge any Addenda here _____

PRINT OR TYPE ONLY

BIDS SUBMITTED BY A CORPORATION OR LLC SHALL HAVE A SEALED CORPORATE RESOLUTION ATTACHED TO THE BID SHEET **IDENTIFYING THE OFFICER WHOSE SIGNATURE APPEARS ON THE BID** BY NAME AND TITLE AND AUTHORIZING SAID PERSON TO SUBMIT THE BID AND SIGN A CONTRACT, IF AWARDED, ON BEHALF OF SAID CORPORATION.
THE ACCEPTABLE FORMAT IS INCLUDED IN THIS PACKET

BIDDER _____

BY _____ TITLE _____

WRITTEN SIGNATURE _____

ADDRESS _____

TELEPHONE _____ ZIP CODE _____

FAX _____

EMAIL _____

TAX COLLECTOR VERIFICATION _____
 NO DELINQUENT TAXES OWED BY THE **AWARDED**
 BIDDER TO THE TOWN OF EAST HARTFORD