

**CITY OF PARKLAND**  
**INVITATION TO BID # 2019-19**  
**FIRE ALARM MONITORING, INSPECTION**  
**& MAINTENANCE SERVICES**



**RESPONSES ARE DUE BY OCTOBER 8, 2019, 2:00 PM (EST)**

**CONTACT: ANTHONY CARIVEAU, MPA, CPPO, FCCN**  
**PURCHASING DIRECTOR**  
**CITY OF PARKLAND, CITY HALL**  
**6600 UNIVERSITY DRIVE**  
**PARKLAND, FLORIDA 33067**  
**TELEPHONE: (954)757-4177**  
**EMAIL: [acariveau@cityofparkland.org](mailto:acariveau@cityofparkland.org)**

The City of Parkland, Florida is seeking to obtain Bids from qualified contractors to provide all labor, materials, tools, equipment, vehicles, travel, licenses, insurances, permits and incidentals for Fire Alarm – Monitoring, Annual Inspection (Fire Sprinkler and Alarms) Maintenance and Repairs, in accordance with the terms, conditions, and scope of services of this bid (ITB).

Sealed Bids will be received at the City of Parkland City Hall 6600 University Drive, Parkland, Florida, 33067, until October 8, 2019, 2:00PM local time, at which time they will be publicly opened and read. All Bidders or their representatives are invited to be present. Bids shall be delivered and addressed to, **City of Parkland, Attn: Anthony Cariveau, Purchasing Director, 6600 University Drive, Parkland, Florida 33067** and shall be labeled “SEALED BID FOR Citywide Fire Alarm Monitoring, Equipment Inspection, Maintenance and Monitoring Services ITB 2019-19”.

Any Bidder who wishes his/her bid to be considered is responsible for making certain that his/her bid is received in the City by the proper time. No oral, telegraphic, electronic, facsimile, or telephonic Bids or modifications will be considered unless specified. Bids received after the scheduled Bid Submittal Deadline will not be considered. It is the responsibility of the Bidder to see that any bid submitted shall have sufficient time to be received by the City before the Bid Submittal Deadline. Late Bids will be returned to the Bidder unopened.

Bidders must submit one (1) identified original copy, one (1) electronic copy and one (1) copy of the bid including any attachments with the submission. The bid shall be signed by a representative who is authorized to contractually bind the Bidder.

**[X ] PRE-BID CONFERENCE IS SCHEDULED**

A pre-bid conference is scheduled for September 17, 2019 at 2:00 PM at the City of Parkland City Hall, 6600 University Drive, Parkland FL 33067. Attendance at the pre-bid conference is strongly encouraged. This information session presents an opportunity for the Bidders to clarify any concerns regarding the bid requirements and visit the site location. Although the pre-bid conference is optional, no modification or changes will be allowed because of the failure of the Bidder to have not visited the site or attend the conference and carefully review all available information.

**ANTICIPATED SCHEDULE OF EVENTS**

The tentative schedule of events, relative to the bid shall be as follows:

<u>Event</u>	<u>Date (on or by)</u>
Advertisement of ITB	09/06/2019
Pre-bid Meeting:	09/17/2019 at 2 p.m. (EST)
Last day for questions/clarification	09/20/2019
Last day for addendum to be posted	09/26/2018
Bid Submission deadline	10/08/2019 @ 2:00 P.M. (E.S.T.)
Firm recommended to City Commission	First available meeting

*Note: All times are subject to change at the City’s discretion.*

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## ***SECTION 1 - INTRODUCTION AND INFORMATION***

### **1.1 CITY OF PARKLAND OVERVIEW:**

The City of Parkland (“City”) was incorporated in 1963 and is located in the northwest corner of Broward County. The City has a park-like setting and is a predominantly single-family residential community. Some original areas of the community include large estate lots with one dwelling unit per 2.5 acres and estate lots with one dwelling unit per acre. Newer portions of the community are generally gated single family home developments. Commercial development in the City is limited to a handful of shopping plazas which are for the most part concentrated on the SR7 corridor. The current population is estimated at 31,507 people and the median income of residents is estimate at \$128,292<sup>1</sup>. Parkland has earned a reputation for safety, excellent public schools, parks and open spaces, and its “home City” feel.

In 2009, the City annexed approximately 2,000 acres commonly referred to as “the Wedge”. This annexation increased the size of the City from approximately 11 square miles to nearly 13 square miles. Development of the Wedge is still ongoing but at build-out (approximately 2025), is projected to increase the City’s population from roughly 14,000 to approximately 45,000 people. As with the rest of the City, development of the Wedge to date and going forward will be residential in nature.

### **1.2 BID REQUEST:**

The City of Parkland, Florida (CITY) is requesting bids from qualified, licensed, insured and experienced contractors to provide monitoring, annual inspection of fire alarm systems and repairs (including replacement parts and equipment as required), installation of new equipment, reprogramming of dialers/start-up services, for the City’s Security Alarm and Fire Alarm Systems for various City facilities.

### **1.3 INFORMATION/CLARIFICATION:**

For information concerning this ITB contact Anthony Cariveau (Purchasing Director), (954) 757-4177. Such contact is to be for clarification purposes only. Changes, if any, to the technical specifications or proposal procedures will only be transmitted by written addendum acknowledged by Bidder.

### **1.4 ADDENDA, CHANGES OR INTERPRETATIONS DURING PROPOSAL:**

Any inquiry or request for interpretation received prior to the last day for questions/clarification will be given consideration. Changes or interpretations may only be made by a written document in the form of an addendum and, if desired, will be mailed or sent by available means to all known prospective Bidders no later than seven (7) days prior to the established Bid Submission deadline. Each prospective Bidder shall acknowledge receipt of

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<sup>1</sup> United States Census Bureau.

such addenda in the space provided in the bid form. In case any Bidder fails to acknowledge receipt of such addenda or addendum, his/her bid will nevertheless be considered as though it had been received and acknowledged and the submission of his bid will constitute acknowledgment of the receipt of same. All addenda are a part of the contract documents and each Bidder will be bound by such addenda, whether or not received by him/her. It is the responsibility of each prospective Bidder to verify that he/she has received all addenda issued before Bids are opened. No verbal interpretations may be relied upon.

1.5 QUESTIONS:

Questions should be sent to Anthony Cariveau, Purchasing Director by email at [acariveau@cityofparkland.org](mailto:acariveau@cityofparkland.org).

1.6 INITIAL CONTRACT PERIOD AND CONTRACT RENEWAL:

The initial contract term shall commence upon final execution of the Contract by the CITY and shall expire two (2) years from that date. The CITY reserves the right to extend the contract for three (3) additional one (1) year terms providing all terms conditions and specifications remain the same, both parties agree to the extension, and such extension is approved by the CITY.

1.7 ELIGIBILITY:

To be eligible to respond to this ITB, prospective firms or principals must demonstrate that they, or the principals assigned to the project, have successfully provided services similar magnitude to those specified in the Scope of Services section of this ITB to at least one CITY similar in size and complexity to the City of Parkland or can demonstrate they have the experience with large scale private sector clients and the managerial and financial ability to successfully perform the services.

- a. Contractor shall comply with all NFPA Guidelines as well as all local, state, and federal regulations pertaining to installation, maintenance and monitoring of fire alarm systems.
- b. Contractor shall be a Certified Fire Alarm Contractor and licensed in the State of Florida. (Please provide current license).

1.8 BID SECURITY: Not Applicable

1.9 PERFORMANCE AND PAYMENT BONDS: Not Applicable

1.10 INSURANCE:

The successful bidder shall not commence operations; construction and/or installation of improvements pursuant to the terms of this ITB and the attached Contract, until certification or proof of the insurance requirements set forth within the attached contract have been received and approved by the City's Insurance Agent. Any questions as to the intent of meaning of any part of the insurance requirements set out in the attached contract should be directed to the Purchasing Agent.

**SECTION 2 - STANDARD TERMS AND GENERAL CONDITIONS**

**2.1 SUBMISSION AND RECEIPT OF BIDS:**

To receive consideration, bids shall be submitted in accordance with this ITB. Any erasures or corrections on the bid must be made in ink and initialed by Bidder in ink. All information submitted by the Bidder shall be printed, typewritten or filled in with pen and ink. Bids shall be signed in ink. Separate bids must be submitted for each ITB issued by the CITY in separate sealed envelopes properly marked. When a particular ITB requires multiple copies they may be included in a single envelope or package, properly sealed and identified. Bidders shall use the bid forms provided by the CITY. These forms may be duplicated, but failure to use the forms may cause the bid to be rejected as non-responsive.

2.1.1 All copies of the bids must contain an original manual signature of the authorized representative of the Bidder. Bids shall contain an acknowledgment of receipt of all Addenda. The address, e-mail and telephone number for communications regarding the Bid must be shown.

2.1.1.1 Bids by corporations must be executed in the corporate name by the President or other corporate officer accompanied by evidence of authority to sign. The corporate address and state of incorporation must be shown below the signature.

2.1.1.2 Bids by partnerships must be executed in the partnership name and signed by a partner, whose title must appear under the signature and the official address of the partnership must be shown below the signatures.

2.1.2 All Bids received from Bidders in response to the Invitation to Bid will become the property of the City of Parkland and will not be returned to the Bidders. In the event of Contract award, all documentation produced as part of the Contract shall become the exclusive property of the CITY.

**2.2 QUALIFICATIONS STATEMENT (Applicable if box checked):**

Each Bidder shall complete the Qualifications Statement and submit the same with his Bid. Failure to submit the Qualifications Statement and the documents required there under with the Bid may constitute grounds for rejection of the Bid. [ X ]

The City of Parkland reserves the right to make a pre-award inspection of the Bidder's facilities and equipment prior to award of the Contract.

**2.3 BIDDERS' COSTS:**

The CITY shall not be liable for any costs incurred by Bidders in responding to this ITB.

2.4 BID ACCEPTANCE:

Bidder warrants by virtue of submitting his/her Bid that the prices quoted will be firm for acceptance by the CITY for a period of 90 days from the date of bid opening unless otherwise stated in the ITB.

2.5 NO EXCLUSIVE CONTRACT/ADDITIONAL SERVICES:

Bidder agrees and understands that, unless specifically and expressly provided for herein, the Contract shall not be construed as an exclusive arrangement and further agrees that the CITY may, at any time, secure similar or identical services at its sole option.

2.6 MISTAKES:

Bidders are cautioned to examine all terms, conditions, specifications, drawings, exhibits, addenda, delivery instructions, and special conditions pertaining to the ITB. Failure of the Bidder to examine all pertinent documents shall not entitle him to any relief from the conditions imposed in the contract and may lead to rejection of a proposal.

2.7 REJECTION OF BIDS:

The CITY reserves the right to accept or reject any or all bids, part of bids, and to waive minor irregularities or variations to specifications contained bids, and minor irregularities in the bid process.

2.8 RESOLUTION OF PROTESTED SOLICITATIONS AND PROPOSED AWARDS:

All bid protests shall be filed and processed as set forth in Section 2-145 of the City Procurement Code.

2.9 LEGAL REQUIREMENTS:

2.9.1 Applicable provisions of all federal, state, and county laws, and local ordinances, rules and regulations, shall govern development, submittal and evaluation of all bids received in response hereto and shall govern any and all claims and disputes which may arise between person(s) attaching a bid response hereto and the CITY by and through its officers, employees and authorized representatives, or any other person, natural or otherwise. Lack of knowledge by any Bidder shall not constitute a cognizable defense against the legal effect thereof.

2.9.2 The Legal Advertisement, Notice of Request for Proposal, Standard Terms and General Conditions, Special Conditions, Specifications, Instructions to Bidders, Exhibits, Addenda and any other pertinent document form a part of this BID and by reference are made a part of any response to this BID.

- 2.9.3 Pursuant to Section 838.32(1) Florida Statutes, it is unlawful for a bidder or Bidder to knowingly and intentionally influence or attempt to influence any competitive solicitation of the City of Parkland.

2.10 BACKGROUND CHECKS: The City reserves the right to require background checks of any personnel assigned by the successful Bidder to perform services under this contract.

The following criteria will be applied to determine if the personnel are qualified pursuant to said background checks (if left blank, no background checks will be required):

**The specification (see Section 5) contains specific background check standards and requirements.**

2.11 SPECIAL CONDITIONS:

Any and all Special Conditions contained in this ITB that may be in variance or conflict with the General Conditions shall have precedence over the General Conditions. If no changes or deletions to General Conditions are made in the Special Conditions, then the General Conditions shall prevail in their entirety.

2.12 PROHIBITION OF INTEREST:

No contract will be awarded to a Bidder who has CITY elected officials, officers or employees affiliated with it, unless the Bidder has fully complied with current Florida State Statutes and CITY Ordinances relating to this issue. Bidders must disclose any such affiliation. Failure to disclose any such affiliation will result in disqualification of the Bidder and removal of the Bidder from the CITY's Bidder's List and prohibition from engaging in any business with the CITY.

2.13 CONFLICT OF INTEREST:

The Bidder covenants that they presently have no interest and shall not acquire any interest, directly or indirectly, which would conflict in any manner or degree with the performance of the services hereunder. The Bidder further covenants that no person having any such known interest shall be employed or conveyed an interest, directly or indirectly, in the contract.

- 2.13.1 The BIDDER represents itself to be an independent firm offering such services to the general public and shall not represent itself or its employees to be employees of the City of Parkland. Therefore, the Bidder shall assume all legal and financial responsibility for taxes, FICA, employee fringe benefits, worker's compensation, employee insurance, minimum wage requirements, overtime, and other expenses, and agrees to indemnify, save, and hold the City of Parkland, its officers, agents, and employees, harmless from and against, any and all loss; cost (including attorney fees); and damage of any kind related to such matters.



2.14 NO CONTINGENT FEE:

Bidder warrants that it has not employed or retained any company or person, other than a bona fide employee working solely for the Bidder to solicit or secure the Contract and that it has not paid or agreed to pay any person, company, corporation, individual or firm, other than a bona fide employee working solely for the Bidder, any fee, commission, percentage, gift, or other consideration contingent upon or resulting from the award or making the Contract. For the breach or violation of this provision, the CITY shall have the right to terminate the Contract without liability at its discretion.

2.15 PUBLIC RECORDS / CONFIDENTIAL INFORMATION:

Florida law provides that municipal records shall at all times be open for personal inspection by any person, unless otherwise exempt. Information and materials received by the City in connection with a Bidder's response shall be deemed to be public records subject to public inspection. However, certain exemptions to the public records law are statutorily provided for in Section 119.07, F.S. Section 119.07, F.S. provides an exemption from public records law for sealed bids, bids, or replies received by an agency pursuant to a competitive solicitation until such time as the agency provides notice of an intended decision or until 30 days after opening the bids, bids, or final replies, whichever is earlier.

**THE CONTRACTOR SHALL COMPLY WITH THE REQUIREMENTS OF CHAPTER 119, FLORIDA STATUTES WITH RESPECT TO ALL PUBLIC RECORDS.**

**IF THE CONTRACTOR HAS QUESTIONS REGARDING THE APPLICATION OF CHAPTER 119, FLORIDA STATUTES, TO THE CONTRACTOR'S DUTY TO PROVIDE PUBLIC RECORDS RELATING TO THIS CONTRACT, CONTACT THE CUSTODIAN OF PUBLIC RECORDS AT:**

**CITY CLERK  
6600 University Drive  
Parkland, FL 33067  
(954) 757-4132  
[cityclerk@cityofparkland.org](mailto:cityclerk@cityofparkland.org)**

SPECIFICALLY, THE CONTRACTOR SHALL:

1. Keep and maintain public records required by the CITY to perform the service.
2. Upon request from the CITY's custodian of public records, provide the CITY with a copy of the requested records or allow the records to be inspected or copied within a reasonable time at a cost that does not exceed the cost provided in this chapter or as otherwise provided by law.

3. Ensure that public records that are exempt or confidential and exempt from public records disclosure requirements are not disclosed except as authorized by law for the duration of the contract term and following completion of the contract if the contractor does not transfer the records to the public agency.
4. Upon completion of the contract, transfer, at no cost, to the CITY all public records in possession of the contractor or keep and maintain public records required by the CITY to perform the service. If the contractor transfers all public records to the CITY upon completion of the contract, the contractor shall destroy any duplicate public records that are exempt or confidential and exempt from public records disclosure requirements. If the contractor keeps and maintains public records upon completion of the contract, the contractor shall meet all applicable requirements for retaining public records. All records stored electronically must be provided to the CITY, upon request from the CITY's custodian of public records, in a format that is compatible with the information technology systems of the CITY.
5. REQUEST FOR RECORDS; NONCOMPLIANCE.—
  - (a) A request to inspect or copy public records relating to a City's contract for services must be made directly to the City. If the City does not possess the requested records, the City shall immediately notify the CONSULTANT of the request, and the CONSULTANT must provide the records to the City or allow the records to be inspected or copied within a reasonable time.
  - (b) If a CONSULTANT does not comply with the City's request for records, the City shall enforce the contract provisions in accordance with the contract.
  - (c) A CONSULTANT who fails to provide the public records to the City within a reasonable time may be subject to penalties under s. 119.10.

2.16 RESERVED:

2.17 PUBLIC ENTITY CRIMES INFORMATION STATEMENT:

A person or affiliate who has been placed on the convicted vendor list following a conviction for public entity crime may not submit a bid on a contract to provide any goods or services to a public entity, may not submit a bid on a contract with a public entity for the construction or repair of a public building or public work, may not submit bids on leases of real property to public entity, may not be awarded or perform work as a Bidder, supplier, subcontractor, or consultant under a contract with any public entity, and may not transact business with any public entity in excess of the threshold amount provided in Section 287.017, for CATEGORY TWO For a period of thirty-six (36) months from the date of being placed on the convicted vendor list.

2.18 NON-COLLUSIVE AFFIDAVIT:

Each Bidder shall complete the Non-Collusive Affidavit Form and shall submit the form with the Proposal. The CITY considers the failure of the Bidder to submit this document to be a major irregularity and may be cause for rejection of the Proposal.

2.19 SUB-CONTRACTORS:

If the Bidder proposes to use subcontractors in the course of providing these services to the CITY, this information shall be a part of the ITB response. Such information shall be subject to review, acceptance and approval of the CITY, prior to any Contract award. The CITY reserves the right to approve or disapprove of any subcontractor candidate in its best interest.

2.20 CONE OF SILENCE: A Cone of Silence shall apply as follows:

2.20.1 A Cone of Silence shall be in effect during a Competitive Solicitation beginning upon the advertisement for requests for bids, requests for qualifications and competitive bids. The Cone of Silence shall terminate at the time the City Commission makes final award of a bid or gives final approval of a contract or contract amendment, rejects all bids or responses to the Competitive Solicitation, or takes other action which ends the Competitive Solicitation. The Cone of Silence shall continue through the negotiation phase for requests for bids and requests for qualifications and shall not end until the Commission gives final approval of the contract.

2.20.2 Any person or entity that seeks a contract, contract amendment, award, recommendation, or approval related to a Competitive Solicitation or that is subject to being evaluated or having its response evaluated in connection with a Competitive Solicitation, including a person or entity's representative shall not have any communication with any City Commissioner, the City Manager and their respective support staff or any person or group of persons appointed or designated by the City Commission or the City Manager to evaluate, select, or make a recommendation to the City Commission or the City Manager regarding a Competitive Solicitation.

2.20.3 The Cone of Silence shall not apply to written or oral communications with legal counsel for the CITY or the Purchasing Agent for the CITY.

2.20.4 Any action in violation of this section shall be cause for disqualification of the bid or the proposal. The determination of a violation shall be made by the City Commission.

2.21 PERFORMANCE AND PAYMENT BONDS/IRREVOCABLE LETTER OF CREDIT:

Not applicable.

2.22 MINORITY PARTICIPATION:

Disadvantaged Business Enterprises (DBE) participation. Bidders are advised that the City promotes equal employment opportunity (EEO) and encourages the participation of minority and women business enterprises (M/WBE) as well as small business enterprises (SBE) in all aspects of contracting. Joint venturing at the prime and sub-consultant levels is encouraged where the joint venture results in a more qualified and/or more diverse Bidder. Bidders shall

make efforts to maintain no less than fifteen (15) percent DBE participation for contracts over one hundred thousand dollars (\$100,000.00). The City will accept certifications from offerors, including their subcontractors identified in their response, as defined and certified by the Florida Department of Management, Office of Supplier Diversity or other certifying organizations or jurisdictions in accordance with Section 287.0943 (1) and (2) Florida Statutes.

#### 2.23 LOCAL PREFERENCE:

For all competitive solicitations in which objective factors are used to numerically evaluate the responses from vendors by the selection committee, and price is one of several of the criteria for award among otherwise qualified vendors, where a non-local business is the highest ranked Bidder and the ranking of a local Bidder is within five (5%) of the ranking obtained by the non-local Bidder, the highest ranked local Bidder (within 5%) shall have the opportunity to proceed to negotiations with the City upon approval of such ranking by the City Commission (or staff if the award does not need commission approval). If the City determines that it is, in its sole and exclusive discretion, unable to negotiate an acceptable contract, then it shall proceed to negotiate with the next highest ranked Bidder, whether local or non-local.

The City has the sole discretion in determining whether a business meets the criteria to qualify for a local business preference and reserves the right to revoke this preference at any time if the City determines the business no longer meets the following criteria:

- (a) The principal place of business is located in the City of Parkland; and
- (b) the business has held a valid City business license for at least one (1) year prior to the date of application; and
- (c) The business maintains its status as a local bidder throughout the term of the contract; if it fails to do so the contract shall entitle the City, in its sole discretion, to terminate the contract.

#### 2.24 CONTRACT:

A draft copy of the Contract is made a part of this ITB. The Contract is only a draft copy. The final Contract shall include any additional terms and conditions as approved by the City Manager.

#### 2.25 DRUG FREE WORKPLACE:

Drug-free workplace—In accordance with Florida Statute 287.087, preference shall be given to businesses with drug-free workplace programs. Whenever two (2) or more bids which are equal with respect to price, quality, and service are received by the City for the procurement of commodities or contractual services, a proposal received from a business that completes the attached DFW form certifying that it is a DFW shall be given preference in the award process.

2.26 COMPLIANCE WITH LAWS:

The selected firm, its officers, agents, employees, and contractors, shall abide by and comply with all federal, state, and local laws. It is agreed and understood that if City calls the attention of Contractor to any such violations on the part of the Contractor, its officers, agents, employees, contractors, then contractor shall immediately desist from and correct such violation. If contractor is in violation of any law, contractor shall be solely responsible for coming into compliance with such law and shall be solely responsible for the payment of any fine charged for such violation.

2.27 BIDDER'S REPRESENTATION:

By virtue of its submission of this response to the ITB, Bidder represents that it has reviewed all information which it has reason to believe is relevant to the making of this bid, including any necessary site inspections and field inspections, measurements and visits and that there is no information which it does not possess which it believes is necessary to make a fully informed and accurate bid.

2.28 ADDITIONAL PROVISIONS:

2.28.1 Correction on bids.

(a) Mathematical errors - Errors in extension of unit prices or mathematical calculations may be corrected by the Purchasing Agent or designee prior to award. The unit prices shall not be changed.

(b) A bidder shall be permitted to correct clerical, non-judgmental mistakes of fact in their bid by Purchasing Director through a written directive.

(c) Voluntary reduction of price—The City may accept a voluntary reduction from a low bidder after bid opening, if such reduction is not conditioned on, nor results in, the modification or deletion of any condition contained in the invitation for bids. A voluntary reduction may NOT be used to ascertain the lowest responsive bidder.

2.28.2 Cancellation of bids.

(a) Any time prior to bid opening date and time, the City may cancel or postpone the bid opening or cancel the invitation for bid in its entirety.

(b) After bids are open, any or all bids may be rejected by the City.

2.28.3 Withdrawal of bids.

- (a) Any bidder may voluntarily withdraw or amend their bid at any time prior to the bid opening by providing written notice to the City. Amendments should be forwarded to the Purchasing Director, sealed and identified.
- (b) After bid opening, vendors shall not be allowed to withdraw a bid in less than ninety (90) days, or a specific time period stated in the invitation to bid with the following exception—The bid is so outrageous as to be a prima facie evidence of a bid mistake, but a mistake that cannot be corrected by correction of mathematical computation.

2.29 CANCELLATION FOR UNAPPROPRIATED FUNDS:

The obligation of the City for payment to a Contractor is limited to the availability of funds appropriated in the current fiscal period, and continuation of the contract into a subsequent fiscal period is subject to appropriation of funds, unless otherwise authorized by law.

2.30 DAMAGE TO PUBLIC OR PRIVATE PROPERTY:

- a. The Contractor shall at all times use all means necessary to protect property. Damage to public and/or private property shall be the responsibility of the Contractor and shall be repaired and/or replaced at no additional cost to the City.
- b. If property (public or private) is damaged while contractor is performing work specified or is removed for the convenience of the work, it shall be repaired or replaced at the expense of the contractor in a manner acceptable to the City of Parkland prior to the final acceptance of the work. Contractor will be responsible for applying and securing any permits that may be required to complete such repairs. Such property shall include but not be limited to: existing facilities and all of its components, site amenities, concrete and/or asphalt surfaces, vehicles, structures, sidewalks, curbs and gutters, driveways, utilities, etc.
- c. Contractor must provide protection necessary to prevent damage to property being repaired or replaced.
- d. If the work site has any pre-existing damage, the Contractor shall notify the Public Works/Capital Projects Department in writing. Failure to do so shall obligate the contractor to make repairs per the above section.

**SECTION 3 – CRITERIA FOR AWARD**

**3.1 CRITERIA FOR AWARD:**

The award of the bid shall be to the lowest, responsive, and responsible bidder that is in the best interest of the City. In determining the lowest responsive and responsible bidder, in addition to price, the City shall consider the following:

1. The ability, capacity and skill of the bidder to perform the contract.
2. Whether the bidder can perform the contract within the time specified, without delay or interference.
3. The character, integrity, reputation, judgement, experience and efficiency of the bidder.
4. The quality of performance on previous public or private contracts of similar type.
5. The previous and existing compliance by the bidder with laws and ordinances relating to this contract.
6. The ability of the bidder to provide future maintenance and service.

\*Tie bids. The tie may be broken and the successful Bidder selected by the following criteria presented in order of importance and consideration:

1. Quality of the items or services if it is ascertainable.
2. Time of delivery if provided in the bid.
3. If the above criteria are impossible to determine with any reasonableness or do not resolve the issue, the award will be given to that vendor whose bid was received first as indicated by the time stamp on the envelope containing the bid.

The City reserves the right to accept or reject any or all bids and to waive any informality concerning the bids when such rejection or waiver is deemed to be in the best interest of the City of Parkland.

**3.2 CONSIDERATION FOR AWARD/AWARD PROCEDURES:**

City staff shall evaluate bids and report to the Commission the results of the evaluation.

3.2.2 COMMISSION ACTION: The City Commission shall review the staff evaluation and award to the lowest responsible and responsive Bidder in the best interests of the City unless the said bid received is under twenty-five thousand dollars (\$25,000.00) where the Purchasing Director is then authorized to award said bid to the lowest most responsive Bidder that is in the best interest of the City and is authorized to enter into a contract with the Bidder.

3.2.3 In the event that grant funds are not made available for this project, the City Manager is authorized to reject all bids without City Commission consent.

- 3.2.4 After award of the contract, the Bidder/Contractor shall be instructed to commence the Work by written instruction in the form of a Purchase Order issued by the Purchasing Division and/or a Notice to Proceed issued by the Contract Administrator. The first Notice to Proceed and/or Purchase Order will not be issued until Bidder/Contractor's submission to CITY of all required documents and after execution of the Contract by both parties.

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**SECTION 4 - SPECIAL CONDITIONS**

4.1 [ ] TIME FOR COMPLETION/ LIQUIDATED DAMAGES: Not applicable.

4.2 [ X ] COUNTY/STATE LICENSE REQUIREMENTS:

Bidder shall be licensed and qualified to do business in its area of expertise and shall submit copies of all applicable licenses/certifications with their proposal. The successful Bidder will be required to maintain the appropriate licenses and certificates throughout the term of the contract.

Any bid that is submitted by a Bidder who is not properly licensed/certified at the time the bid is submitted may be rejected as non-responsive.

4.3 INDEMNIFICATION:

CONTRACTOR shall at all times hereafter indemnify, hold harmless and, at the City Attorney's option, defend or pay for an attorney selected by the City Attorney to defend CITY, its officers, agents, servants, and employees from and against any and all causes of action, demands, claims, losses, liabilities and expenditures of any kind, including attorney fees, court costs, and expenses, caused or alleged to be caused by intentional or negligent act of, or omission of, CONTRACTOR, its employees, agents, servants, or officers, or accruing, resulting from, or related to the subject matter of this Contract including, without limitation, any and all claims, losses, liabilities, expenditures, demands or causes of action of any nature whatsoever resulting from injuries or damages sustained by any person or property. In the event any lawsuit or other proceeding is brought against CITY by reason of any such claim, cause of action or demand, CONTRACTOR shall, upon written notice from CITY, resist and defend such lawsuit or proceeding by counsel satisfactory to CITY or, at CITY's option, pay for an attorney selected by City Attorney to defend CITY. The provisions and obligations of this section shall survive the expiration or earlier termination of this contract. To the extent considered necessary by the Contract Administrator and he City Attorney, any sums due CONTRACTOR under this Contract may be retained by CITY until all of CITY's claims for indemnification pursuant to this Contract have been settled or otherwise resolved; and any amount withheld shall not be subject to payment of interest by CITY. Nothing herein shall be deemed a waiver or limitation of any sovereign immunity provided by law or any limitation of the City's liability in any statute or as otherwise provided by law.

4.4 INSURANCE (Applicable if box checked):

[X] To ensure the indemnification obligation contained above, CONTRACTOR shall, at a minimum, provide, pay for, and maintain in force at all times during the term of this Contract (unless otherwise provided), the insurance coverages Article. Each insurance policy shall clearly identify the foregoing indemnification as insured.

[X] Such policy or policies shall be without any deductible amount unless otherwise noted in this Contract and shall be issued by approved companies of process may be made in Broward County, Florida.

[X] CONTRACTOR shall pay all deductible amounts, if any.

[X] CONTRACTOR shall specifically protect CITY by naming the City of Parkland and its Officers, Agents, Employees and Commission Members as additional insured under the Commercial Liability Policy as well as on any Excess Liability Policy coverage.

[X] Commercial Liability Insurance. A Commercial Liability Insurance Policy shall be provided which shall contain minimum limits of one million Dollars (\$1,000,000.00) per occurrence combined single limit for bodily injury liability and property damage liability and shall contain minimum limits of two million Dollars (\$2,000,000.00) per aggregate. Coverage must be afforded on a form no more restrictive than the latest edition of the Commercial Liability Policy, without restrictive endorsements, as filed by the Insurance Services Office and must include:

- Premises and/or operations.
- Independent contractors.
- Products and/or Completed Operations for contracts.

Broad Form Contractual Coverage applicable to this specific Contract, including any hold harmless and/or indemnification Contract.

Personal Injury Coverage with Employee and Contractual Exclusions removed, with minimum limits of coverage equal to those required for Bodily Injury Liability and Property Damage Liability.

[X] Business Automobile Liability. Business Automobile Liability shall be provided with minimum limits of five hundred thousand Dollars (\$500,000.00) per occurrence, combined single limit for Bodily Injury Liability and Property Damage Liability. Coverage must be afforded on a form no more restrictive than the latest edition of the Business Automobile Liability policy, without restrictive endorsements, as filed by the Insurance Services Office, and must include:

- Owned Vehicles, if applicable.
- Hired and Non-Owned Vehicles, if applicable.
- Employers' Non-Ownership, if applicable.

[X] Workers' Compensation Insurance. Workers' Compensation insurance to apply for all employees in compliance with Chapter 440, Florida Statutes, as may be amended from time to time, the "Workers' Compensation Law" of the State of Florida, and all applicable federal laws. In addition, the policy (s) must include:

Employers' Liability with a limit of Five Hundred Thousand Dollars (\$ 500,000.00) each accident.

If any operations are to be undertaken on or about navigable waters, coverage must be included for the U.S. Longshoremen & Harbor Workers Act and Jones Act. Insurance shall include in addition to any other requirements, coverage for class codes 0042, 9102, and 0106.

[ ] Errors and Omissions Liability/ Professional Liability. Errors and Omissions Liability insurance Policy shall be provided which contains minimum coverage limits of five hundred thousand (\$ 500,000.00) each occurrence

[X] CONTRACTOR shall furnish to CITY's PURCHASING AGENT a Certificate of Insurance or endorsements evidencing the insurance coverage specified by this Article within thirty (30) calendar days after notification of award of the Contract. The required Certificates of Insurance shall name the types of policies provided, refer specifically to this Contract, and state that such insurance is as required by this Contract. CONTRACTOR's failure to provide to CITY the Certificates of Insurance or endorsements evidencing the insurance coverage within thirty (30) calendar days shall provide the basis for the termination of the Contract.

[X] The certificate provided for the City of Parkland must cite the City of Parkland as an additional insured. Thirty (30) days written notice must be provided to the City via Certified Mail in the event of cancellation. The City shall receive current copies of the certificate of insurance.

[X] Coverage is not to cease and is to remain in force (subject to cancellation notice) until all performance required of CONTRACTOR is completed. All policies must be endorsed to provide CITY with at least thirty (30) days' notice of expiration, cancellation and/or restriction. If any of the insurance coverages will expire prior to the completion of the work, copies of renewal policies shall be furnished at least thirty (30) days prior to the date of their expiration.

[X] CITY reserves the right to review and revise any insurance requirements at the time of renewal or amendment of this Contract, including, but not limited to, deductibles, limits, coverage, and endorsements based on insurance market conditions affecting the availability or affordability of coverage, or changes in the scope of work or specifications that affect the applicability of coverage. If CONTRACTOR uses a subcontractor, CONTRACTOR shall ensure that subcontractor names CITY as an additional insured.

#### 4.5 SCRUTINIZED COMPANIES:

- a) Contractor certifies that it and its subcontractors are not on the Scrutinized Companies that Boycott Israel List. Pursuant to Section 287.135, F.S., the City may immediately terminate this Agreement at its sole option if the Contractor or its subcontractors are found to have submitted a false certification; or if the Contractor, or its subcontractors are placed on the Scrutinized Companies that Boycott Israel List or is engaged in the boycott of Israel during the term of the Agreement.
- b) If this agreement is for more than one million dollars, the Contractor certifies that it and its subcontractors are also not on the Scrutinized Companies with Activities in

Sudan, Scrutinized Companies with Activities in the Iran Petroleum Energy Sector List, or engaged with business operations in Cuba or Syria as identified in Section 287.135, F.S. Pursuant to Section 287.135, F.S., the City may immediately terminate this Agreement at its sole option if the Contractor , its affiliates, or its subcontractors are found to have submitted a false certification; or if the Contractor, its affiliates, or its subcontractors are placed on the Scrutinized Companies with Activities in Sudan List, or Scrutinized Companies with Activities in the Iran Petroleum Energy Sector List, or engaged with business operations in Cuba or Syria during the term of the Agreement.

- c) The Contractor agrees to observe the above requirements for applicable subcontracts entered into for the performance of work under this Agreement.
- d) As provided in Subsection 287.135(8), F.S., if federal law ceases to authorize the above-stated contracting prohibitions then they shall become inoperative.

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**SECTION 5 – SPECIFICATIONS and PROPOSAL REQUIREMENTS**

5.1 PURPOSE:

The purpose of this Invitation to Bid (“ITB”) is to obtain Bids from qualified contractors to provide all labor, materials, tools, equipment, vehicles, travel, licenses, insurances, permits and incidentals for monitoring, annual inspections, and emergency and non-emergency services to all related fire alarm equipment (fire sprinklers and alarms) for the City of Parkland facilities (listed in the Fee Proposal section of this document) in accordance with the terms, conditions, and scope of services of this bid.

5.2 SCOPE OF SERVICES:

The selected contractor shall have the ability to perform and carry out in a professional manner the services necessary to complete the assigned project. The Contractor shall provide monitoring, annual inspection of fire alarm systems and repairs (including replacement parts and equipment as required), installation of new equipment, reprogramming of dialers/start-up services, for the City’s Fire Alarm Systems for various City facilities. Contractor shall be familiar with and able to maintain all fire alarm equipment and related communication devices for all equipment listed in the Fee Proposal section of this document. Contractor shall be able to operate and maintain the Fire Alarm Systems and any applicable software.

**5.2.1 Reprogramming of Dialers/Start-up Services:**

If the Successful Offeror determines that reprogramming of dialers is necessary at the commencement of the contract, all costs resulting in any necessary labor, materials, parts and equipment required for the Reprogramming and/or Replacement of dialers for all locations identified in this Contract shall be provide by the Successful Offeror at no additional cost.

Any additional costs and/or separate costs proposed to the City for Reprogramming and/or Replacement of dialers will not be considered.

Permit applications for replacement and/or reprogramming of dialers shall be submitted within five (5) days of contract award and completed within thirty (30) days of issuance of permit.

**5.2.2 Monitoring Services:**

a. Central Station Monitoring Services

The following types of monitoring shall be submitted as a monthly monitoring cost to the City under the Bid Line Items and shall be inclusive of all labor, parts and equipment necessary to properly perform the monitoring services.

- Central Station Monitoring services may be subcontracted; however, Technician services shall not be subcontracted.

- The Contractor shall monitor the City's fire alarm equipment on a twenty four (24) hour basis, 7 days a week, 365 days a year.
- Contractor's monitoring services shall be performed in accordance with NFPA (National Fire Protection Association) 72 (Latest Adopted Edition), and NFPA 70 requirements. The Central Station Monitoring shall be Underwriters Laboratory - UL compliant and shall provide a direct call to the Broward Sheriff's Office - BSO 911 Dispatch Center.

b. Fire Alarm Activated When Monitoring:

Contractor shall immediately dispatch the Fire Department. Contractor shall immediately contact the City employee listed as the emergency contact by telephone upon notification of an alarm. Each building will have a list of three (3) City employees listed as Emergency Contacts. The specific notification order will be provided by the City. If unable to reach the first contact, the Central Monitoring Station shall contact the second contact, and so on. The City will provide the Contractor with a contact telephone listing for business hours and after hour contacts. The list will be the responsibility of the City to update and provide changes to the Contractor as necessary.

c. Trouble Signal Activated When Monitoring:

Contractor shall contact the City's Emergency Contact to report the incident, and prior to responding, shall wait a period of thirty (30) minutes to determine whether the trouble signal has cleared.

The City and AHJ (Authority Having Jurisdiction) have mutually agreed (\*allowed per 2009 Florida Statutes, Chapter 633.022, Section 2C, Chapter 633.025, Section 4 as further defined and in accordance with NFPA 72 Revision 2002, Section 8.2.7.3 (1) adopted by the State of Florida and in further accordance with Underwriters Laboratory (UL) compliance) that if after having received a trouble signal which has cleared within thirty (30) minutes, no Technician will be dispatched and no work ticket shall be issued. If, after thirty (30) minutes, the trouble signal has not cleared, then a Technician will respond within the remaining one and a half (1.5) hours from the time the Contractor was initially contacted and a work ticket shall be submitted accordingly.

The following business day, Contractor shall provide a complete written evaluation for the reason of the trouble signal to the City's Facilities Superintendent or his designee. Failure to consistently be able to re-activate alarm so it is in working condition may result in termination of contract.

d. Supervisory Signal Activated When Monitoring:

Contractor shall contact the City's Emergency Contact to report the incident, and prior to responding, shall wait a period of thirty (30) minutes to determine whether the supervisory signal has cleared. Upon Contractor's

determination that the supervisory signal has cleared, a Technician shall not be dispatched and no work ticket shall be issued.

The following business day, Contractor shall provide a complete written evaluation for the reason of the supervisory signal to the City's Facilities Superintendent or his designee. Failure to consistently be able to re-activate alarm so it is in working condition may result in termination of contract.

### **5.2.3 Repairs**

Repairs related to ordinary wear and tear and includes all parts and equipment to complete such repairs to return the system to normal operating condition, including but not limited to all system components, peripheral equipment, and batteries. All parts required shall be genuine parts as manufactured and distributed by the manufacturer of the alarm system being serviced.

Labor for performing such repairs shall be billed based on Bid Line Items 4.1 and 4.2 of Attachment "A" Fee Bid, Number 4.

#### **a. Service Level Requirements**

- All services shall be performed in accordance with National Fire Protection Association - NFPA 72 (Latest Published Edition), National Fire Protection Association - NFPA 70 and National Electrical Code (NEC).
- Contractor shall be responsible for the appropriate tags to the fire alarm control panels and any digital communicators unless it is an integrated unit.
- Contractor shall respond to all trouble/service requests within 24 hours of notification for non-emergency repairs and respond to emergency calls within two (2) hours. Contractor shall have qualified personnel on 24-hour notice, seven days a week.
- Contractor shall maintain an adequate number of the service parts on their vehicles to insure prompt service to the City.
- Contractor is required to maintain sufficient local inventory of parts to provide immediate support of the City's alarm systems. If Contractor is unable to perform the repair and re-activate the alarm system due to an unusual part that is required and is not regularly stocked within Contractor's inventory, Contractor shall immediately contact the City's Facilities Superintendent or his designee and advise him of such. Parts that are not immediately available shall be ordered

by the Contractor and shipped overnight at the Contractor's expense. Failure to be able to provide this level of support may result in termination of contract.

- Contractor shall have replacement parts available within 48 hours (weekends and City observed holidays excluded) for all currently manufactured devices and shall make every effort to notify the City of any needed procurement of discontinued devices, present or known future.
- All repair tickets, service calls, etc. shall be kept in a separate file located at each alarm panel for the City to be used as a work history for each of the alarm systems. Contractor shall provide annual data to the City's Facilities Superintendent or his designee upon request.

#### **5.2.4 Fire Sprinkler Annual Inspection**

a. Fire sprinkler annual inspections

- Contractor shall provide annual fire sprinkler inspections for all referenced locations at the same time each year.
- Annual Inspection for each location shall include:
  - Inspect and test all pull stations, horns, and strobes.
  - Inspect and clean all smoke detectors.
  - Test all digital communicators for the following reports to the Communication Center:
    - A/C Power out
    - Battery Power out
    - Telco #1 Out and Restore
    - Telco #2 Out and Restore
    - Detection Circuit to main Alarm Panel Supervision Trouble and Restore Verify that communication signal matches condition tested and provide verification of results from Alarm Communication Center by operator ID and time of test.

A written report of the total system condition shall be submitted after the annual inspection to include repair/upgrade recommendations and costs for repairs.

b. Repair Scenarios

The following scenarios dictate repairs as follows:

- Contractor shall be expected to perform the following types of repairs when responding under the perimeters of a Fire Alarm, Trouble Signal or Supervisory Signal as stated in this section.
- If system trouble is discovered during scheduled testing & inspection.



- As requested by the City’s Facilities Superintendent or his designee during normal business hours, 8:00 a.m. to 5:00 p.m., Monday through Friday.
  - As requested by the City’s Facilities Superintendent or his designee after normal business hours, 5:01 p.m. to 7:59 a.m., Monday through Friday (including weekends and City Recognized Holidays).
- c. Time frames for completion of repairs shall be as follows:
- Activated Fire Alarm – Within Two (2) Hours.
  - Supervisory Signal Activation – Within Two (2) Hours.
  - Trouble Signal – If repair cannot be made within four (4) hours and building is unoccupied, repair is to be completed by the end of the next business day. If repair cannot be made within four (4) hours and the building is occupied, contact the City’s Facilities Superintendent or his designee.
  - If repairs are requested during normal business hours, Contractor shall respond and provide dates and time for completing the repair by the end of the next business day.
  - In the event that a repair cannot be completed within the time lines above, Contractor shall contact the City’s Facilities Superintendent or his designee to report the incident.
- d. Hours for Repairs
- Normal Business Hours: Contractor shall be required to perform repairs only during normal business hours (Monday through Friday, 8:00 a.m. – 5:00 p.m., excluding City Observed Holidays).
  - After Normal Business Hours: Contractor shall be required to perform repairs during after normal business hours (Monday through Friday, 5:01 p.m. to 7:59 a.m. and anytime on Saturdays, Sundays and City Observed Holidays, 365 days throughout the year).

### **5.2.5 New Equipment Installation**

- a. Offerors shall provide a Cost-Plus Pricing Percentage Mark-Up for various Parts and Equipment for this item as referenced in Attachment A, Fee Bid, 2. Quote for Additional Equipment. Upon request, the City may request copies of invoices from Contractor’s suppliers as proof of parts and equipment cost and any overages shall be credited back to the City.
- b. Upon request by the City, Contractor shall provide a written quote for the installation for new equipment not included in Attachment A, herein under

Attachments, Exhibits A through F. The pricing shall match the Bid Line Items submitted by the Contractor.

- c. At no cost to the City, the Contractor shall meet with the City's Facilities Superintendent or his designee at the site where work is needed to determine the scope of work to be performed. Within three (3) business days of request from the City's Facilities Superintendent or his designee, Contractor shall submit a written estimate (proposal) inclusive of all labor, parts and equipment. This estimate shall include a total firm cost to the City itemized as follows: labor hours, itemization of vendor's costs for parts and equipment using the cost-plus pricing percentage mark-up, a brief description of the work to be done and location of work. Prices provided by Contractor are subject to the City's approval. If the City agrees to proceed with the work identified on the Contractor's written estimate, the City shall inform the Contractor and issue a Purchase Order. The time of completion shall be within twenty (20) business days from receipt of the Purchase Order or a time agreed upon by the City and Contractor.
- d. Any work that requires 120 volt electrical hook-up shall require a City permit and provide the City with proof of Contractors or subcontractors State of Florida Certified Electrical Contractor License prior to any work. The City will provide an allowance of up to \$1,000.00 for the City required permits.

#### **5.2.6 Annual Inspection of Fire Alarm Systems**

- a. The Contractor shall perform annual inspection of fire alarm systems, their initiations, devices and notification appliances in accordance with NFPA 72 (Latest Adopted Edition) and NFPA 70.
- b. Annual inspections will be performed at scheduled times as determined by the City's Facilities Superintendent or his designee for each location identified. Annual inspection of audible devices at the following locations will be required to be performed after business hours: City Hall, Library. Dates shall be secured in advance and to be scheduled with the City's Facilities Superintendent or his designee. Upon completion of services, the Contractor shall provide signed service forms to the Facilities Superintendent or his designee, to identify that a Technician was on site and performed the required testing and inspection for each location. Technician will document any areas of concern that are identified during the testing and inspection. The report form shall be signed by the City's Facilities Superintendent or his designee upon completion and a copy submitted for the file. Failure to have the forms signed may result in the termination of contract.

### **5.2.7 Protection of Property**

- a. The Contractor shall at all times guard against damage or loss to City property and any other persons in or around the work site, and shall be responsible for replacing or repairing any such damage or loss. The Contractor will be required to report any such damages or loss immediately to the Facilities Superintendent or his designee.
- b. Replacement or repairs shall begin within forty-eight (48) hours of the incident that caused the damage. Failure to restore said damage shall result in a deduction from the Contractors payment for the City's expenses incurred to restore the property to its original condition.
- c. The Contractor and its subcontractor(s) shall clean, repair or replace any item damaged during the performance of the service to the satisfaction of City at no additional cost.
- d. Some areas will require equipment due to height of rooms. Contractor is responsible to obtain needed equipment and establish safe protocol to complete the work.

### **5.2.8 Quality Assurance**

All employees shall be competent and highly skilled in their particular job in order to properly perform the work assigned to them. The Contractor shall be responsible for maintaining the quality of the materials and workmanship on the job throughout the duration of his/her responsibility.

#### **a. Contractor's Personnel**

- i. The City may require the Contractor to remove any employee it deems careless, incompetent, insubordinate or otherwise objectionable and whose presence on City property is not in the best interests of the City. Contactor shall immediately remove any employee engaged in conduct involving drugs, alcohol consumption or use or possession of firearms/weapons on City premises. The City shall not have any duty to implement or enforce such requirements and such obligation shall be the sole responsibility of the Contractor to immediately address upon the City's notification to the Contractors supervisory staff on-site or the managerial point of contact designated to the contract.
- ii. The Contractors personnel performing work on City property shall be in uniforms with the company's name, clean, courteous, sober and competent. The Contractor agrees to be responsible for such personnel. All Contractors' personnel dealing with the public under this contract, shall be identified by name through the use of a nametag or

embroidered name on his/her uniform and a photo identification badge. Working without a shirt and proper identification is not permitted and shall be grounds for removal from City property. The Contractor agrees that the owners of the company, or officers if a corporation, shall be held fully responsible, except as otherwise prohibited by law, for acts of their personnel while on duty.

- iii. At least one (1) employee in a supervisory role at the worksite must be able to communicate clearly and fluently in the “English” language.
- iv. All contractor’s employees/service technicians shall be properly trained and qualified to work on the alarm systems covered under this contract.

b. Contractor’s Vehicles

- i. Contractor’s vehicles used for the maintenance services shall be clean and presentable, in good working condition, identified with the name of the company and properly licensed.
- ii. Contractor’s vehicles will have assigned vehicle ID numbers and display company name and logo so City staff can denote which vehicles were working at which locations during site inspections.

**ATTACHMENT “A”  
FEE BID**

**1. PRICE FOR ANNUAL INSPECTIONS:**

E X H I B I T	Location	Alarm/Model	Pull Stations	Smoke Detectors	Notification Devices	Digital Communicators	Price Quote
A	Public Works & Fire Station 42 6500 Parkside Drive						\$
B	Fire Station 109 11601 Trails End						\$
C	Library 6620 University Drive						\$
D	Amphitheatre 10561 Trails End						\$
E	Fire Station 97 & Public Safety 6650 University Drive						\$
F	Recreation Center 10559 Trails End						\$
G	City Hall 6600 University Drive						\$
<b>Total Price for Annual Inspections:</b>							<b>\$</b>

***\*Contractor to verify number of devices for each of the facilities listed above. Annual inspections as identified in the Technical Specifications shall be done at the prices quoted in the above titled QUOTE FOR ANNUAL INSPECTIONS.***

**2. PRICE FOR ANNUAL FIRE ALARM MONITORING:**

<p>Monthly cost per facility \$ _____ x seven (7) sites = \$ _____                  Monthly Total for Monitoring x 12 months = Annual Price.</p>	
<b>Total Price for Annual Inspections:</b>	<b>\$</b>

**3. PRICE FOR ADDITIONAL EQUIPMENT:**

E X H I B I T	Location	Alarm/Model	Pull Stations	Smoke Detectors	Notification Devices	Digital Communicators	Price Quote
A	Public Works & Fire Station 42 6500 Parkside Drive						\$
B	Fire Station 109 11601 Trails End						\$
C	Library 6620 University Drive						\$
D	Amphitheatre 10561 Trails End						\$
E	Fire Station 97 & Public Safety 6650 University Drive						\$
F	Recreation Center 10559 Trails End						\$
G	City Hall 6600 University Drive						\$
<b>Total to upgrade all monitoring equipment (if needed) as listed in above table:</b>							<b>\$</b>

**Monitoring Equipment Needed:** Contractor shall field verify and provide quote for providing and installing equipment needed for properly communicating between fire alarm panels and monitoring station. **New equipment shall be quoted only for systems that will not properly communicate with existing equipment or in the case that the equipment does not currently exist.** Please provide a list and price for any needed equipment to ensure our existing equipment will communicate in order to provide proper monitoring.

<b>1. Total Price for Annual Inspections:</b>	<b>\$</b>
<b>2. Total Price for Annual Fire Alarm Monitoring:</b>	<b>\$</b>
<b>3. Total Price for Additional Equipment (if needed):</b>	<b>\$</b>
<b>TOTAL FEE BID:</b>	<b>\$</b>

**Vendors are required to provide costs for the following services; however, these costs will not be used as part of the Total Fee Bid.**

**4. Additional Work and Emergency Services shall be provided at the rates quoted below:**

4.1	One (1) event during normal hours:	Technician Rate per hour	\$
		Helper Rate per hour	\$
4.2	One (1) Overtime event:	Technician Rate per hour	\$
		Helper Rate per hour	\$

The undersigned certifies that he/she has the ability to sign and bind the firm or company to the services to be performed within the fees proposed.	
Signature:	
Title:	
Date Signed:	
Printed Name:	
Firm or Company:	
Email:	

**NON-COLLUSIVE AFFIDAVIT**

State of \_\_\_\_\_)

)ss.

County of \_\_\_\_\_)

\_\_\_\_\_ being first duly sworn, deposes and says that:

- (1) He/she is the \_\_\_\_\_  
(Owner, Partner, Officer, Representative or Agent)  
of \_\_\_\_\_ the Bidder that has submitted the attached bid;
- (2) He/she is fully informed respecting the preparation and contents of the attached bid and of all pertinent circumstances respecting such bid;
- (3) Such bid is genuine and is not a collusive or sham bid;
- (4) Neither the said Bidder nor any of its officers, partners, owners, agents, representatives, employees or parties in interest, including this affiant, have in any way colluded, conspired, connived or agreed, directly or indirectly, with any other Bidder, firm, or person to submit a collusive or sham bid in connection with the work for which the attached bid has been submitted; or to refrain from bidding in connection with such work; or have in any manner, directly or indirectly, sought by agreement or collusion, or communication, or conference with and Bidder, firm or person to fix the price or prices in the attached bid or of any other Bidder, or to fix an overhead, profit, or cost elements of the bid price or the bid price of any other Bidder, or to secure through any collusion, conspiracy, connivance, or unlawful agreement any advantage against (Recipient), or any person interested in the proposed work;
- (5) The price or prices quoted in the attached bid are fair and proper and are not tainted by any collusion, conspiracy, connivance, or unlawful agreement on the part of the Bidder or any other of its agents, representatives, owners, employees or parties in interest, including this affiant.



Signed, sealed and delivered  
in the presence of:

\_\_\_\_\_  
\_\_\_\_\_

By: \_\_\_\_\_

\_\_\_\_\_  
(Printed Name)

\_\_\_\_\_  
(Title)

**ACKNOWLEDGEMENT**

State of \_\_\_\_\_

County of \_\_\_\_\_

The foregoing instrument was acknowledged before me this \_\_\_\_\_ day of \_\_\_\_\_, 2018,  
by \_\_\_\_\_, who is personally known to me or who has  
produced \_\_\_\_\_ as identification and who did (did not) take  
an oath.

WITNESS my hand and official seal

\_\_\_\_\_  
NOTARY PUBLIC

\_\_\_\_\_  
(Name of Notary Public: Print, Stamp, or  
Type as Commissioned.)

**AUTHORITY TO EXECUTE BID AND CONTRACT**

A. If the Bidder is a Corporation, attach to this page a certified copy of corporate resolutions of the Board of Directors of the Corporation authorizing an officer of the Corporation to execute the Bid and the Contract contained within this document on behalf of the Corporation. The OWNER would prefer the use of the attached sample Resolution.

B. A corporation to which a contract is to be awarded will be required to furnish certificates as to its corporate existence.

CERTIFIED RESOLUTION

I, \_\_\_\_\_ (Name), the duly elected Secretary of \_\_\_\_\_ (Corporate Title), a corporation organized and existing under the laws of the State of \_\_\_\_\_, do hereby certify that the following Resolution was unanimously adopted and passed by a quorum of the Board of Directors of the Said corporation at a meeting held in accordance with law and the by-laws of the said corporation. "IT IS HEREBY RESOLVED THAT \_\_\_\_\_ (Name)"

The duly elected \_\_\_\_\_ (Title of Officer) of \_\_\_\_\_ (Corporate Title) be and is hereby authorized to execute and submit a Bid and Bid Bond, if such bond is required, to the City of Parkland for: \_\_\_\_\_

and such other instruments in writing as may be necessary on behalf of the said corporation; and that the Bid, Bid Bond, and other such instruments signed by him/her shall be binding upon the said corporation as its own acts and deeds. The secretary shall certify the names and signatures of those authorized to act by the foregoing resolution.

The City of Parkland shall be fully protected in relying upon such certification of the secretary and shall be indemnified and saved harmless from any and all claims, demands, expenses, loss or damage resulting from or growing out of honoring, the signature of any person so certified or for refusing to honor any signature not so certified.

I further certify that the above resolution is in force and effect and has not been revised, revoked or rescinded.

I further certify that the following are the name, titles and official signatures of those persons authorized to act by the foregoing resolution.

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

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

Given under my hand and the Seal of the said corporation this \_\_\_\_\_ day  
of \_\_\_\_\_, 20 \_\_\_\_\_.

(SEAL)

By:  
Secretary

Corporate Title

NOTE: The above is a suggested form of the type of Corporate Resolution desired. Such form need not be followed explicitly, but the Certified Resolution submitted must clearly show to the satisfaction of the City of Parkland that the person signing the Bid and Bid Bond for the corporation has been properly empowered by the corporation to do so in its behalf.

**DRUG-FREE WORKPLACE FORM**

The undersigned vendor in accordance with Florida Statute 287.087 hereby certifies that

\_\_\_\_\_ does:  
(Name of Business)

1. Publish a statement notifying employees that the unlawful manufacture, distribution, dispensing, possession, or use of a controlled substance is prohibited in the workplace and specifying the actions that will be taken against employees for violations of such prohibition.
2. Inform employees about the dangers of drug abuse in the workplace, the business' policy of maintaining a drug-free workplace, any available drug counseling, rehabilitation, and employee assistance programs, and the penalties that may be imposed upon employees for drug abuse violations.
3. Give each employee engaged in providing the commodities or contractual services that are under bid a copy of the statement specified in subsection (1).
4. In the statement specified in subsection (1), notify the employees that, as a condition of working on the commodities or contractual services that are under bid, the employee will abide by the terms of the statement and will notify the employer of any conviction of, or plea of guilty or nolo contendere to, any violation of Chapter 893 or of any controlled substance law of the United States or any state, for a violation occurring in the workplace no later than five (5) days after such conviction.
5. Impose a sanction on, or require the satisfactory participation in a drug abuse assistance or rehabilitation program if such is available in the employee's community by, any employee who is so convicted.
6. Make a good faith effort to continue to maintain a drug-free workplace through implementation of this section.

As the person authorized to sign the statement, I certify that this firm complies fully with the above requirements.

\_\_\_\_\_  
Bidder's Signature

\_\_\_\_\_

**PUBLIC ENTITY CRIME STATEMENT**

“A person or affiliate who has been placed on the convicted vendor list following a conviction for public entity crime may not submit a bid on a contract to provide any goods or services to a public entity, may not submit a bid on a contract with a public entity for the construction or repair of a public building or public work, may not submit bids on leases of real property to public entity, may not be awarded or perform work as a Bidder, supplier, sub-Bidder, or consultant under a contract with any public entity, and may not transact business with any public entity in excess of the threshold amount provided in Section 287.017, for CATEGORY TWO for a period of 36 months from the date of being placed on the convicted vendor list.”

I state that this Bidder complies with the above.

Signed: \_\_\_\_\_

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

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

**BIDDER INFORMATION**

Communications concerning this bid shall be addressed to:

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

Social Security/Federal Tax I.D. No.: \_\_\_\_\_

Proposer’s Name (Print): \_\_\_\_\_ Title: \_\_\_\_\_

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

City/State/Zip: \_\_\_\_\_

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

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

**ACKNOWLEDGEMENT OF ADDENDA**

**Instructions:** Complete Part I or Part II, Whichever Applies

**Part I:**

Bidder has examined copies of all the Contract Documents and of the following Addenda (receipt of all which is hereby acknowledged).

Addendum No: \_\_\_\_\_ Dated: \_\_\_\_\_

Addendum No: \_\_\_\_\_ Dated: \_\_\_\_\_

Addendum No: \_\_\_\_\_ Dated: \_\_\_\_\_

Addendum No: \_\_\_\_\_ Dated: \_\_\_\_\_

**Part II:**

No Addendum was received in connection with this ITB.

It is understood and agreed by Bidder that the City reserves the right to reject any and all bids, to make awards on all items or any items according to the best interest of the City, and to waive any irregularities in the bid or in the bids received as a result of the ITB. It is also understood and agreed by the Bidder that by submitting a bid, Bidder shall be deemed to understand and agree that no property interest or legal right of any kind shall be created at any point during the aforesaid evaluation/selection process until and unless a contract has been agreed to and signed by both parties.

\_\_\_\_\_  
Bidder’s Authorized Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Bidder’s Printed Name

**CERTIFICATION & ACKNOWLEDGEMENT OF BUSINESS TYPE**

This form must be signed in the presence of a Notary Public or other officer authorized to administer oaths and submitted with the bid package on the specified bid opening date. The undersigned bidder certifies that this bid package is submitted in accordance with the specifications in its entirety and with full understanding of the conditions governing this bid.

**BUSINESS ADDRESS of BIDDER:**

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

\_\_\_\_\_  
Address

\_\_\_\_\_  
City State Zip

Telephone No. \_\_\_\_\_ Fax No. \_\_\_\_\_

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

Federal ID. No. or Social Security No. \_\_\_\_\_

**INDICATE WHICH TYPE OF ORGANIZATION BELOW:**

Individual \_\_\_\_ Partnership \_\_\_\_ Corporation \_\_\_\_ Other \_\_\_\_

**AUTHORIZED SIGNATURE OF BIDDER**

\_\_\_\_\_  
Signature

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

If individual list dba:

\_\_\_\_\_

If Corporation include Corporate Name:

\_\_\_\_\_

Attest:

\_\_\_\_\_  
(SEAL)

Corporate Secretary Signature:

\_\_\_\_\_

Printed Name:

\_\_\_\_\_

**NOTARY PUBLIC:**

**STATE OF:** \_\_\_\_\_ **CITY OF:** \_\_\_\_\_

*The foregoing instrument was acknowledged before me this \_\_\_\_ day of \_\_\_\_\_ 20\_\_\_\_, by  
\_\_\_\_\_ who is (who are) personally known to me or who has  
produced \_\_\_\_\_ as identification and who did (did not) take an oath.*

**NOTARY PUBLIC SIGNATURE:** \_\_\_\_\_

**NOTARY NAME, PRINTED, TYPED OR STAMPED:** \_\_\_\_\_

**Commission Number:** \_\_\_\_\_ **My Commission Expires:** \_\_\_\_\_



**SCRUTINIZED VENDOR CERTIFICATION**

I, \_\_\_\_\_, on behalf of \_\_\_\_\_,  
Print Name and Title Contractor Name

Certify that \_\_\_\_\_ does not:  
Contractor Name

- 1. Participate in a boycott of Israel; and
- 2. Is not on the Scrutinized Companies that Boycott Israel List; and
- 3. Is not on the Scrutinized Companies with Activities in Sudan List; and
- 4. Is not on the Scrutinized Companies with Activities in the Iran Petroleum Energy Sector List; and
- 5. Has not engaged in business operations in Syria.

Submitting a false certification shall be deemed a material breach of contract. The City shall provide notice, in writing, to the Contractor of the City’s determination concerning the false certification. The Contractor shall have ninety (90) days following receipt of the notice to respond in writing and demonstrate that the determination of false certification was made in error. If the Contractor does not demonstrate that the City’s determination of false certification was made in error then the City shall have the right to terminate the contract and seek civil remedies pursuant to Florida Statute § 287.135.

Section 287.135, Florida Statutes, prohibits the City from: 1) Contracting with companies for goods or services in any amount if at the time of bidding on, submitting a proposal for, or entering into or renewing a contract if the company is on the Scrutinized Companies that Boycott Israel List, created pursuant to Section 215.4725, F.S. or is engaged in a boycott of Israel; and 2) Contracting with companies, for goods or services over \$1,000,000.00 that re on either the Scrutinized Companies with activities in the Iran Petroleum Energy Sector List, created pursuant to s. 215.473, or are engaged in business operations in Syria.

As the person authorized to sign on behalf of the Contractor, I hereby certify that the company identified above in the section entitled “Contractor Name” does not participate in any boycott of Israel, is not listed on the Scrutinized Companies that Boycott Israel List, is not listed on either the Scrutinized Companies with activities in the Iran Petroleum Energy Sector List, and is not engaged in business operations in Syria. I understand that pursuant to section 287.135, Florida Statutes, the submission of a false certification may subject the company to civil penalties, attorney’s fees, and/or costs. I further understand that any contract with the City for goods or services may be terminated at the option of the City if the company is found to have submitted a false certification or has been placed on the Scrutinized Companies with Activities in Sudan list or the Scrutinized Companies with Activities in the Iran Petroleum Energy Sector List.

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date

**REFERENCES**

Provide specific references for at least four customers (preferably public entities), including customers served by the firm’s nearest office to the City. They should be of similar size, complexity and magnitude to the City. **Please do not include the City of Parkland or City of Parkland employees as references.** Additional references may be provided by attachment.

Bidder: \_\_\_\_\_

1. Organization: \_\_\_\_\_  
Address: \_\_\_\_\_  
Contact: \_\_\_\_\_  
Phone Number: \_\_\_\_\_  
Email address: \_\_\_\_\_  
Services provided: \_\_\_\_\_  
Years of Service: \_\_\_\_\_

2. Organization: \_\_\_\_\_  
Address: \_\_\_\_\_  
Contact: \_\_\_\_\_  
Phone Number: \_\_\_\_\_  
Email address: \_\_\_\_\_  
Services provided: \_\_\_\_\_  
Years of Service: \_\_\_\_\_

3. Organization: \_\_\_\_\_  
Address: \_\_\_\_\_  
Contact: \_\_\_\_\_  
Phone Number: \_\_\_\_\_  
Email address: \_\_\_\_\_  
Services provided: \_\_\_\_\_  
Years of Service: \_\_\_\_\_

4. Organization: \_\_\_\_\_  
Address: \_\_\_\_\_  
Contact: \_\_\_\_\_  
Phone Number: \_\_\_\_\_  
Email address: \_\_\_\_\_  
Services provided: \_\_\_\_\_  
Years of Service: \_\_\_\_\_

5. Organization: \_\_\_\_\_  
Address: \_\_\_\_\_  
Contact: \_\_\_\_\_  
Phone Number: \_\_\_\_\_  
Email address: \_\_\_\_\_  
Services provided: \_\_\_\_\_  
Years of Service: \_\_\_\_\_

### QUALIFICATION STATEMENT

The undersigned certifies under oath the truth and correctness of all statements and all answers to questions made hereinafter:

Name of Company:					
Address:		City:		State:	Zip:
Telephone No.:		Fax No.:			
How many years has your organization been in business under its present name?					Years:
Are you operating under Fictitious Name (“dba”)? Yes <input type="checkbox"/> No <input type="checkbox"/>					
If Yes, submit evidence of compliance with Florida Fictitious Name Statute.					
Under what former name(s) has your business operated?					
At what address was that/those business(es) located?					
Are you Certified? Yes <input type="checkbox"/> No <input type="checkbox"/> If Yes, ATTACH A COPY OF CERTIFICATION					
Are you Licensed? Yes <input type="checkbox"/> No <input type="checkbox"/> If Yes, ATTACH A COPY OF LICENSE					
Are you claiming Minority Participation? Yes <input type="checkbox"/> No <input type="checkbox"/> (See Section 2.22)					
Are you claiming Local Preference? Yes <input type="checkbox"/> No <input type="checkbox"/> (See Section 2.23)					
Do you have the required insurance coverage’s set forth in the ITB? Yes <input type="checkbox"/> No <input type="checkbox"/>					
If Yes, ATTACH A COPY OF INSURANCE CERTIFICATES					
Has your company or you personally ever declared bankruptcy? Yes <input type="checkbox"/> No <input type="checkbox"/>					
If Yes, explain?					
Are you a: sales representative <input type="checkbox"/> distributor <input type="checkbox"/> broker <input type="checkbox"/> or manufacturer <input type="checkbox"/> of the commodities/services bid upon?					
Have you ever received a contract or a purchase order from the City of Parkland or other governmental entity? Yes <input type="checkbox"/> No <input type="checkbox"/>					
If yes, explain (date, service/project, bid title, etc.):					
Have you ever received a complaint on a contract or bid awarded to you by any governmental entity? Yes <input type="checkbox"/> No <input type="checkbox"/> If yes, explain:					
Have you ever been debarred or suspended from doing business with any governmental entity? Yes <input type="checkbox"/> No <input type="checkbox"/> If yes, explain:					

**ADD W-9 FORM**

**BACKGROUND CHECK AFFIDAVIT**

STATE OF FLORIDA )

COUNTY OF \_\_\_\_\_)

I, the undersigned, being first duly sworn, do hereby state under oath and under penalty of perjury that the following facts are true:

- 1. I am over the age of 18 and am a resident of the State of Florida.
- 2. I am the \_\_\_\_\_ (title) of \_\_\_\_\_ and I certify that I have the authority to make the representations set forth within this Affidavit.
- 3. \_\_\_\_\_ intends to enter into an agreement with the City of Parkland to provide the services detailed in ITB #\_\_\_\_\_.
- 4. The fulfillment of the Background Check requirement has been conducted through State, National and Sexual Offender/Predator criminal history record databases.
- 5. I hereby certify I shall at my expense obtain a criminal background check for each employee, contractor, or subcontractor or subconsultant having access to City property prior to beginning the work and, depending on the contract’s term, on an annual basis thereafter.
- 6. I further certify that I shall provide the contract administrator with a list of employees, contractors, or subcontractors or subconsultants who will have access to City property which verifies that a criminal background check has been conducted and the results thereof. A list of such employees is set forth on Exhibit “A”, attached hereto and made a part hereof.
- 7. I also certify that based upon the result of the criminal background check, no employee, contractor, nor subcontractor or subconsultant who has been convicted of an offense or at the discretion of the City shall not be permitted to perform work under this contract in or on city property.

Executed this \_\_\_\_\_ day of \_\_\_\_\_, 20 \_\_\_\_.

By \_\_\_\_\_  
(Signature)

By \_\_\_\_\_  
(Name and Title)

The foregoing was acknowledged before me this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_, by \_\_\_\_\_ who is personally known to me or who has produced \_\_\_\_\_ as identification and who did take an oath.

WITNESS my hand and official seal, this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_\_.

(NOTARY SEAL)

\_\_\_\_\_

(Signature of person taking acknowledgment)

\_\_\_\_\_

(Name of officer taking acknowledgment)

**typed, printed or stamped**

\_\_\_\_\_

(Title or rank)

\_\_\_\_\_

My commission expires:

(Serial number, if any)



**NOTICE**  
**BEFORE SUBMITTING YOUR BID, MAKE SURE YOU.....**

**FAILURE TO PROVIDE THE REQUESTED ATTACHMENTS MAY RESULT IN  
YOUR BID BEING DEEMED NON-RESPONSIVE.**

<b>Carefully read the SPECIFICATIONS and then properly fill out the BID FORM.</b>		✓
1.	Fill out and sign the <b>NON-COLLUSIVE AFFIDAVIT</b> and have it properly notarized.	
2.	Sign the <b>AUTHORITY TO EXECUTE BID AND CONTRACT</b> Failure to do so will result in your Bid being deemed non-responsive.	
3.	Sign the <b>VENDOR DRUG FREE WORKPLACE FORM</b> .	
4.	Sign the <b>PUBLIC ENTITY CRIME STATEMENT</b> .	
5.	Fill out and sign the <b>PROPOSERS INFORMATION</b> .	
6.	Fill out and sign the <b>CERTIFICATION &amp; ACKNOWLEDGEMENT OF BUSINESS TYPE</b> and have it properly notarized.	
7.	Fill out the <b>REFERENCES PAGE</b> . <i>(Do not list the City of Parkland or City of Parkland employees as references.)</i>	
8.	Fill out the <b>BIDDERS QUALIFICATION STATEMENT</b> .	
9.	<b>W-9</b>	
10.	Fill out the <b>BACKGROUND CHECK AFFIDAVIT</b> .	
11.	Fill out the <b>SCRUTINIZED VENDOR CERTIFICATION</b> .	
12.	Clearly mark the <b>BID NUMBER AND BID NAME</b> on the outside of the envelope.	
13.	<b>Submit</b> ONE (1) Original and ONE (1) Photocopy of your Bid, and ONE (1) electronic copy with your submission.	
14.	<b>Submit</b> Bid Bond <i>(if required)</i>	
15.	Make sure your BID is submitted prior to the <b>deadline</b> . Late Bids will not be considered.	
16.	<b>Include</b> proof of insurance.	
17.	<b>Include</b> copies of all Licenses and Certifications.	



**SAMPLE CONTRACT SUBJECT TO FINAL APPROVAL**  
**BY THE CITY ATTORNEY**

**CONTRACT**

THIS CONTRACT is entered into by and between the CITY OF PARKLAND (CITY), a municipal corporation and \_\_\_\_\_ (CONTRACTOR), as follows

**WITNESSETH:**

**WHEREAS**, pursuant to ITB # \_\_\_\_\_ (the ITB) the CITY accepted competitive proposals for \_\_\_\_\_ (the Services); and

**WHEREAS**, the Services are delineated in the ITB; and

**WHEREAS**, this Contract, the ITB and the CONTRACTOR's Response constitute the entire Contract and describes the Services; and

**WHEREAS**, after evaluation of price and other relevant factors by the evaluation committee and the City Commission of the City of Parkland, Florida, the CITY has determined that the best proposal was submitted by CONTRACTOR and that CONTRACTOR has the necessary resources, experience and ability to perform the contract at a competitive price; and

**WHEREAS**, the CITY has awarded the Contract to CONTRACTOR for the Services on \_\_\_\_\_, 20 \_\_, Resolution No 20 \_\_ / \_\_;

**WHEREAS**, the purpose of this Contract is to implement the ITB and the acceptance of CONTRACTOR's proposal in a binding Contract which contains the terms required in the ITB and the CONTRACTOR's response, except as specifically modified herein.

**NOW THEREFORE**, be it agreed by and between the parties as follows:

**ARTICLE I**

**INTRODUCTION AND SCOPE OF SERVICES**

- 1.1 The above referenced Whereas clauses are true and correct and made a part hereof.
- 1.2 This Contract, the ITB, attached hereto as Exhibit A, together with the response to the ITB of CONTRACTOR, attached hereto as Exhibit B, shall constitute the entire Contract, except to the extent specifically modified on Exhibit C Additional Terms and Conditions (if no modifications, Exhibit C shall be left blank). The parties agree that the Scope of Services as defined in the ITB is a description of CONTRACTOR's obligations

and responsibilities and is deemed to include preliminary considerations and prerequisites, and all labor, materials, equipment, and tasks which are such an inseparable part of the work described that exclusion would render performance by CONTRACTOR impractical, illogical, or unconscionable. The CITY Manager shall appoint a Contractor Administrator to act on behalf of the CITY with respect to this Contract.

- 1.3 Except as specifically modified herein, CONTRACTOR shall be bound by the terms and conditions and prices as set forth in the ITB and the CONTRACTOR'S Response to the ITB. When the terms and conditions of this Contract may be read as consistent with the ITB, then and in that respect, the terms of both the ITB and this Contract shall be read as being consistent and shall be binding on both parties. Where terms and conditions of this Contract contradict anything as set forth in the ITB or the response to the ITB, then the terms and conditions of this Contract shall be binding and in full force and effect to the extent of any inconsistency.
- 1.4 This is a non-exclusive contract. The CITY may, in its sole and absolute discretion, utilize other parties to provide any of the services listed in the ITB, or any aspect of the Services if the CITY deems it to be in the best interest of the CITY.
- 1.5 CONTRACTOR acknowledges and agrees that the Contract Administrator has no authority to make changes that would increase, decrease, or otherwise modify the Scope of Services to be provided under this Contract.

## ARTICLE 2

### TERM AND TIME OF PERFORMANCE

- 2.1 The initial Contract term shall commence upon final execution of the Contract by the CITY and shall expire \_\_\_\_\_ ( ) years from that date. The CITY reserves the right to extend the Contract for \_\_\_\_\_ ( ) additional one (1) year term(s) providing all terms conditions and specifications remain the same, both parties agree to the extension, and such extension is approved by the CITY. The CONTRACTOR shall be compensated for the service at the rate in effect when this extension clause is invoked by the CITY.
- 2.2 Time shall be deemed to be of the essence in performing the duties, obligations and responsibilities required by this Contract.

## ARTICLE 3

### COMPENSATION

- 3.1 CITY agrees to pay CONTRACTOR, in the manner specified herein, the amounts set forth in CONTRACTOR'S Response for work actually performed and completed pursuant to this Contract, which amount shall be accepted by CONTRACTOR as full compensation for all such work. It is acknowledged and agreed by CONTRACTOR that this amount is the maximum payable and constitutes a limitation upon CITY's obligation to compensate CONTRACTOR for its services related to this

Contract. This amount, however, does not constitute a limitation, of any sort, upon CONTRACTOR's obligation to perform all items of work required by or which can be reasonably inferred from the Scope of Services. No amount shall be paid to CONTRACTOR to reimburse its expenses.

- 3.2 CONTRACTOR may submit invoices for compensation no more often than on a monthly basis, but only after the services for which the invoices are submitted have been completed. An original invoice plus one copy are due within fifteen (15) days of the end of the month except for the final invoice which must be received no later than sixty (60) days after this Contract expires. Invoices shall designate the nature of the services performed and/or the expenses incurred and may be in form as determined by the CITY.
- 3.3 CITY shall pay CONTRACTOR within thirty (30) calendar days of receipt of CONTRACTOR's proper invoice. To be deemed proper, all invoices must comply with the requirements set forth in this Contract and must be submitted on the form and pursuant to instructions prescribed by the Contract Administrator. Payment may be withheld for failure of CONTRACTOR to comply with any term, condition, or requirement of this Contract.
- 3.4 Notwithstanding any provision of this Contract to the contrary, CITY may withhold, in whole or in part, payment to the extent necessary to protect itself from loss on account of inadequate or defective work which has not been remedied or resolved in a manner satisfactory to the Contract Administrator or failure to comply with this Contract. The amount withheld shall not be subject to payment of interest by CITY.

#### ARTICLE 4

#### INDEMNIFICATION

CONTRACTOR shall at all times hereafter indemnify, hold harmless and, at the CITY Attorney's option, defend or pay for an attorney selected by the CITY Attorney to defend CITY, its officers, agents, servants, and employees from and against any and all causes of action, demands, claims, losses, liabilities and expenditures of any kind, including attorney fees, court costs, and expenses, caused or alleged to be caused by intentional or negligent act of, or omission of, CONTRACTOR, its employees, agents, servants, or officers, or accruing, resulting from, or related to the subject matter of this Contract including, without limitation, any and all claims, losses, liabilities, expenditures, demands or causes of action of any nature whatsoever resulting from injuries or damages sustained by any person or property. In the event any lawsuit or other proceeding is brought against CITY by reason of any such claim, cause of action or demand, CONTRACTOR shall, upon written notice from CITY, resist and defend such lawsuit or proceeding by counsel satisfactory to CITY or, at CITY's option, pay for an attorney selected by CITY Attorney to defend CITY. The provisions and obligations of this section shall survive the expiration or earlier termination of this Contract. To the extent considered necessary by the Contract Administrator and the CITY Attorney, any sums due CONTRACTOR under this Contract may be retained by CITY until all of CITY's claims for indemnification

pursuant to this Contract have been settled or otherwise resolved; and any amount withheld shall not be subject to payment of interest by CITY.

Nothing herein shall be deemed a waiver or limitation on CITY'S sovereign immunity or any limitations on CITY liability in any state statute or as otherwise provided by law.

## ARTICLE 5

### INSURANCE

CONTRACTOR shall provide the insurance to the extent required in the ITB. Evidence of said insurance shall be provided within ten (10) days of execution by the City of this Contract or prior to the commencement of any work, whichever event occurs first.

## ARTICLE 6

### TERMINATION OR SUSPENSION

- 6.1 This Contract may be terminated for convenience by the CITY. Termination for convenience by the CITY shall be effective on the termination date stated in written notice provided by CITY, which termination date shall be not less than thirty (30) days after the date of such written notice. This Contract may also be terminated by the CITY Manager upon such notice as the CITY Manager deems appropriate under the circumstances in the event the CITY Manager determines that termination is necessary to protect the public health or safety. The parties agree that if CITY erroneously, improperly or unjustifiably terminates for cause, such termination shall be deemed a termination for convenience, which shall be effective thirty (30) days after such notice of termination for cause is provided.
- 6.2 This Contract may be terminated for cause for reasons including, but not limited to, CONTRACTOR's repeated (whether negligent or intentional) submission for payment of false or incorrect bills or invoices, failure to suitably perform the work; or failure to continuously perform the work in a manner calculated to meet or accomplish the objectives as set forth in this Contract.
- 6.3 Notice of termination shall be provided in accordance with the "NOTICES" section of this Contract except that notice of termination by the CITY Manager, which the CITY Manager deems necessary to protect the public health, safety, or welfare may be verbal notice that shall be promptly confirmed in writing in accordance with the "NOTICES" section of this Contract.
- 6.4 In the event this Contract is terminated for convenience, CONTRACTOR shall be paid for any services properly performed under the Contract through the termination date specified in the written notice of termination. CONTRACTOR acknowledges and agrees that it has received good, valuable and sufficient consideration from CITY, the receipt and adequacy of which are, hereby acknowledged by CONTRACTOR, for CITY's right to terminate this Contract for convenience.

6.5 In the event this Contract is terminated for any reason, any amounts due CONTRACTOR shall be withheld by CITY until all documents are provided to CITY pursuant to Section 8.1 of Article 8.

6.6 Should at any time during the term of this Contract, including any option terms, the CONTRACTOR is in violation of any of the terms and conditions of this Contract, the CITY shall have the right to suspend the CONTRACTOR until the violation is resolved to the satisfaction of the CITY. If the violation is not promptly resolved or is of such serious nature that the CITY determines that suspension is not adequate, the CITY reserves the right to terminate for cause.

6.6.1 In the event a CONTRACTOR is terminated, the CITY may assign the Contract to another CONTRACTOR, or seek a new CONTRACTOR, until the Contract is re-let, or until the end of the Contract term then in effect, at its sole option and shall reserve all legal remedies for damages and other relief.

## ARTICLE 7

### EEO AND ADA COMPLIANCE

7.1 CONTRACTOR shall not unlawfully discriminate on the basis of race, color, national origin, sex, religion, age, political affiliation or disability in the performance of this Contract, the solicitation for or purchase of goods or services relating to this Contract, or in subcontracting work in the performance of this Contract. CONTRACTOR shall include the foregoing or similar language in its contracts with any subcontractors or sub consultants, except that any project assisted by the U.S. Department of Transportation funds shall comply with the non-discrimination requirements in 49 C.F.R. Parts 23 and 26, as amended. Failure to comply with the foregoing requirements is a material breach of this Contract, which may result in the termination of this Contract or such other remedy as CITY deems appropriate.

7.2 CONTRACTOR shall not unlawfully discriminate against any person in its operations and activities or in its use or expenditure of funds in fulfilling its obligations under this Contract. CONTRACTOR shall affirmatively comply with all applicable provisions of the Americans with Disabilities Act (ADA) in the course of providing any services funded by CITY, including Titles I and II of the ADA (regarding nondiscrimination on the basis of disability), and all applicable regulations, guidelines, and standards. In addition, CONTRACTOR shall take affirmative steps to ensure nondiscrimination in employment against disabled persons.

## ARTICLE 8

### MISCELLANEOUS

8.1 RIGHTS IN DOCUMENTS AND WORK

Any and all reports, photographs, surveys, and other data and documents provided or created in connection with this Contract are and shall remain the property of CITY; and, if a copyright is claimed, CONTRACTOR grants to CITY a non-exclusive license to use the copyrighted item(s) indefinitely, to prepare derivative works, and to make and distribute copies to the public. In the event of termination of this Contract, any reports, photographs, surveys, and other data and documents prepared by CONTRACTOR, whether finished or unfinished, shall become the property of CITY and shall be delivered by CONTRACTOR to the Contract Administrator within seven (7) days of termination of this Contract by either party. Any compensation due to CONTRACTOR shall be withheld until all documents are received as provided herein.

## 8.2 AUDIT RIGHT AND RETENTION OF RECORDS

CITY shall have the right to audit the books, records, and accounts of CONTRACTOR and its subcontractors that are related to this Project. CONTRACTOR and its subcontractors shall keep such books, records, and accounts as may be necessary in order to record complete and correct entries related to the Project. All books, records, and accounts of CONTRACTOR and its subcontractors shall be kept in written form, or in a form capable of conversion into written form within a reasonable time, and upon request to do so, CONTRACTOR or its subcontractor, as applicable, shall make same available at no cost to CITY in written form.

CONTRACTOR and its subcontractors shall preserve and make available, at reasonable times for examination and audit by CITY, all financial records, supporting documents, statistical records, and any other documents pertinent to this Contract for the required retention period of the Florida Public Records Act, Chapter 119, Florida Statutes, as may be amended from time to time, if applicable, or, if the Florida Public Records Act is not applicable, for a minimum period of three (3) years after termination of this Contract. If any audit has been initiated and audit findings have not been resolved at the end of the retention period or three (3) years, whichever is longer, the books, records, and accounts shall be retained until resolution of the audit findings. If the Florida Public Records Act is determined by CITY to be applicable to CONTRACTOR's and its subcontractors' records, CONTRACTOR and its subcontractors' records, CONTRACTOR and its subcontractors shall comply with all requirements thereof; specifically to:

- Keep and maintain all records that ordinarily and necessarily would be required by the City to perform the service.
- Provide the public with access to public records on the same terms and conditioned that the City would provide for the records and at a cost that does not exceed the cost provided in Chapter 119, or as otherwise provided by law.
- Ensure the public records that are exempt or confidential and exempt from public records disclosure are not disclosed except as authorized by law.
- Meet all requirements for retaining public records and transfer, at no cost, to the City all public records in possession of the Contractor upon termination of the contract and destroy any duplicate public records that are exempt or confidential and exempt from public records disclosure requirements. All records stored electronically must be provided to the public agency in a format that is compatible with the information technology systems to the public agency.

- If CONTRACTOR does not comply with this section, the City shall enforce the contract in accordance with the contract provisions and may unilaterally cancel this contract in accordance with state law.

No confidentiality of non-disclosure requirement of either federal or state law shall be violated by CONTRACTOR or its subcontractors. Any incomplete or incorrect entry in such books, records, and accounts shall be a basis for City's disallowance and recovery of any payment upon such entry.

CONTRACTOR shall, by written contract, require its subcontractors to agree to the requirements and obligations of this section 8.2.

**If the CONTRACTOR has any questions regarding the application of Chapter 119, Florida Statutes, to the CONTRACTOR'S duty to provide public records relating to this CONTRACT, contact the custodian of public records at (954) 753-5040, email address [cityclerk@cityofparkland.org](mailto:cityclerk@cityofparkland.org) or mailing address 6600 University Drive, Parkland, FL 33067.**

8.3 BACKGROUND CHECKS: The City reserves the right to require background checks of any personnel assigned by the successful proposer to perform services under this contract.

8.4 COMPLAINTS AND DISPUTES:

All complaints concerning misconduct on the part of the CONTRACTOR or disputes between CITY staff and the CONTRACTOR are referred to the CITY Manager or his/her designee, who shall conduct investigations and inquiries, including discussions with the CONTRACTOR and involved staff. The determinations of the CITY Manager or designee shall be binding upon the parties, and failure of the CONTRACTOR to follow any such determination could be considered a material breach and subject the CONTRACTOR to termination for cause. The CONTRACTOR agrees that any complaints received by the CITY concerning misconduct on the part of the CONTRACTOR, such as excessive charges, poor business practices etc., will be referred to the Office of the CITY Manager for appropriate action. The CONTRACTOR agrees to make any complaints concerning the CITY available to the Office of the CITY Manager for action as required.

8.5 PUBLIC ENTITY CRIME ACT

CONTRACTOR represents that the execution of this Contract will not violate the Public Entity Crime Act, Section 287.133, Florida Statutes, as may be amended from time to time, which essentially provides that a person or affiliate who is a contractor, consultant, or other provider and who has been placed on the convicted vendor list following a conviction for a public entity crime may not submit a bid on a contract to provide any goods or services to CITY, may not submit a bid on a contract with CITY for the construction or repair of a public building or public work, may not submit bids on leases of real property to CITY, may not be awarded or perform work as a contractor, supplier, subcontractor, or consultant under a contract with CITY, and may not transact any business with CITY in excess of the threshold amount provided in Section 287.017,

Florida Statutes, as may be amended from time to time, for category two purchases for a period of 36 months from the date of being placed on the convicted vendor list. Violation of this section shall result in termination of this Contract and recovery of all monies paid by CITY pursuant to this Contract, and may result in debarment from CITY's competitive procurement activities.

In addition to the foregoing, CONTRACTOR further represents that there has been no determination, based on an audit, that it committed an act defined by Section 287.133, Florida Statutes, as a "public entity crime" and that it has not been formally charged with committing an act defined as a "public entity crime" regardless of the amount of money involved or whether CONTRACTOR has been placed on the convicted vendor list.

#### 8.6 INDEPENDENT CONTRACTOR

CONTRACTOR is an independent contractor under this Contract. Services provided by CONTRACTOR pursuant to this Contract shall be subject to the supervision of CONTRACTOR. In providing such services, neither CONTRACTOR nor its agents shall act as officers, employees, or agents of CITY. No partnership, joint venture, or other joint relationship is created hereby. CITY does not extend to CONTRACTOR or CONTRACTOR's agents any authority of any kind to bind CITY in any respect whatsoever. CONTRACTOR IS BEING HIRED FOR ITS TRAINING, EDUCATION, AND EXPERIENCE AND WILL NOT BE TRAINED BY THE CITY. THE CONTRACTOR SHALL PROVIDE ITS SERVICES BASED ON ITS TRAINING AND EXPERIENCE AND SHALL DETERMINE THE APPROPRIATE AND PROFESSIONAL MANNER IN WHICH TO PROVIDE THE SERVICES PROVIDED FOR HEREIN.

In providing the services, CONTRACTOR shall determine the employees and subcontractors necessary to provide the services and shall be responsible for their supervision. CONTRACTOR shall be entitled to no CITY employment benefits of any kind whatsoever.

#### 8.7 THIRD PARTY BENEFICIARIES

Neither CONTRACTOR nor CITY intends to directly or substantially benefit a third party by this Contract. Therefore, the parties agree that there are no third party beneficiaries to this Contract and that no third party shall be entitled to assert a right or claim against either of them based upon this Contract.

#### 8.8 NOTICES

Whenever either party desires to give notice to the other, such notice must be in writing, sent by certified United States Mail, postage prepaid, return receipt requested, or sent by commercial express carrier with acknowledgement of delivery, or by hand delivery with a request for a written receipt of acknowledgment of delivery, addressed to the party for whom it is intended at the place last specified. The place for giving notice shall remain the same as set forth herein until changed in writing in the manner provided in this section. For the present, the parties designate the following:



FOR CITY:

City Manager  
Parkland City Hall  
6600 University Drive  
Parkland, Florida 33067

FOR CONTRACTOR:

8.9 ASSIGNMENT AND PERFORMANCE

Neither this Contract nor any right or interest herein shall be assigned, transferred, or encumbered without the written consent of the other party. CITY may terminate this Contract, effective immediately, if there is any assignment, or attempted assignment, transfer, or encumbrance, by CONTRACTOR of this Contract or any right or interest herein without CITY's written consent.

CONTRACTOR represents that each person who will render services pursuant to this Contract is duly qualified to perform such services by all appropriate governmental authorities, where required, and that each such person is reasonably experienced and skilled in the area(s) for which he or she will render his or her services.

CONTRACTOR shall perform its duties, obligations, and services under this Contract in a skillful and respectable manner. The quality of CONTRACTOR's performance and all interim and final product(s) provided to or on behalf of CITY shall be comparable to the best local and national standards.

8.10 CONFLICTS

Neither CONTRACTOR nor its employees shall have or hold any continuing or frequently recurring employment or contractual relationship that is substantially antagonistic or incompatible with CONTRACTOR's loyal and conscientious exercise of judgment and care related to its performance under this Contract.

CONTRACTOR further agrees that none of its officers or employees shall, during the term of this Contract, serve as an expert witness against CITY in any legal or administrative proceeding in which he, she, or CONTRACTOR is not a party, unless compelled by court process. Further, CONTRACTOR agrees that such persons shall not give sworn testimony or issue a report or writing, as an expression of his or her expert opinion, which is adverse or prejudicial to the interests of CITY in connection with any such pending or threatened legal or administrative proceeding unless compelled by court process. The limitations of this section shall not preclude CONTRACTOR or any persons in any way from representing themselves, including giving expert testimony in support thereof, in any action or in any administrative or legal proceeding.

In the event CONTRACTOR is permitted pursuant to this Contract to utilize subcontractors to perform any services required by this Contract, CONTRACTOR agrees to require such subcontractors, by written contract, to comply with the provisions of this section to the same extent as CONTRACTOR.

8.11 MATERIALITY AND WAIVER OF BREACH

CITY and CONTRACTOR agree that each requirement, duty, and obligation set forth herein was bargained for at arms-length and is agreed to by the parties in exchange for quid pro quo, that each is substantial and important to the formation of this Contract and that each is, therefore, a material term hereof.

CITY's failure to enforce any provision of this Contract shall not be deemed a waiver of such provision or modification of this Contract. A waiver of any breach of a provision of this Contract shall not be deemed a waiver of any subsequent breach and shall not be construed to be a modification of the terms of this Contract.

8.12 COMPLIANCE WITH LAWS

CONTRACTOR shall comply with all applicable federal, state, and local laws, codes, ordinances, rules, and regulations in performing its duties, responsibilities, and obligations pursuant to this Contract.

8.13 SEVERANCE

In the event a portion of this Contract is found by a court of competent jurisdiction to be invalid, the remaining provisions shall continue to be effective unless CITY or CONTRACTOR elects to terminate this Contract. An election to terminate this Contract based upon this provision shall be made within seven (7) days after the finding by the court becomes final.

8.14 JOINT PREPARATION

Each party and its counsel have participated fully in the review and revision of this Contract and acknowledge that the preparation of this Contract has been their joint effort. The language agreed to expresses their mutual intent and the resulting document shall not, solely as a matter of judicial construction, be construed more severely against one of the parties than the other. The language in this Contract shall be interpreted as to its fair meaning and not strictly for or against any party.

8.15 JURISDICTION, VENUE, WAIVER OF JURY TRIAL

This Contract shall be interpreted and construed in accordance with and governed by the laws of the state of Florida. All parties agree and accept that jurisdiction of any controversies or legal problems arising out of this Contract, and any action involving the enforcement or interpretation of any rights hereunder, shall be exclusively in the state

courts of the Seventeenth Judicial Circuit in Broward County, Florida, and venue for litigation arising out of this Contract shall be exclusively in such state courts, forsaking any other jurisdiction which either party may claim by virtue of its residency or other jurisdictional device. **BY ENTERING INTO THIS CONTRACT, CONTRACTOR AND CITY HEREBY EXPRESSLY WAIVE ANY RIGHTS EITHER PARTY MAY HAVE TO A TRIAL BY JURY OF ANY CIVIL LITIGATION RELATED TO THIS CONTRACT.**

8.16 AMENDMENTS

No modification, amendment, or alteration in the terms or conditions contained herein shall be effective unless contained in a written document prepared with the same or similar formality as this Contract and executed by the CITY and CONTRACTOR or others delegated authority to or otherwise authorized to execute same on their behalf.

8.17 PRIOR CONTRACTS

This document represents the final and complete understanding of the parties and incorporates or supersedes all prior negotiations, correspondence, conversations, Contracts, and understandings applicable to the matters contained herein. The parties agree that there is no commitment, Contract, or understanding concerning the subject matter of this Contract that is not contained in this written document. Accordingly, the parties agree that no deviation from the terms hereof shall be predicated upon any prior representation or Contract, whether oral or written.

8.18 INCORPORATION BY REFERENCE

The truth and accuracy of each "Whereas" clause set forth above is acknowledged by the parties. The ITB, Exhibit "A", the CONTRACTOR'S Response, Exhibit "B", and the attached Exhibits \_\_\_\_\_ are incorporated into and made a part of this Contract.

8.19 REPRESENTATION OF AUTHORITY

Each individual executing this Contract on behalf of a party hereto hereby represents and warrants that he or she is, on the date he or she signs this Contract, duly authorized by all necessary and appropriate action to execute this Contract on behalf of such party and does so with full legal authority.

8.20 MULTIPLE ORIGINALS

Multiple copies of this Contract may be executed by all parties, each of which, bearing original signatures, shall have the force and effect of an original document.

**IN WITNESS WHEREOF** the parties have caused these presents to be executed.

Witnesses:

**CITY OF PARKLAND**

\_\_\_\_\_  
\_\_\_\_\_

By: \_\_\_\_\_  
CHRISTINE HUNSCHOFSKY, MAYOR

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

ATTEST:

\_\_\_\_\_  
CITY CLERK

**CONTRACTOR**

Witnesses:

\_\_\_\_\_  
\_\_\_\_\_

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

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

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

**EXHIBIT "A"**  
**ITB 2019-19**  
**FIR ALARM MONITORING, INSPECTION & MAINTENANCE SERVICES**

**EXHIBIT "B"**  
**CONTRACTOR'S RESPONSE**

**EXHIBIT “C”  
ADDITIONAL TERMS AND CONDITIONS**



**SUBMITTALS:**

PHASE	DATE
SITE PLAN SUBMITTAL	03.20.08
Δ DRC COMMENTS	04.15.08
Δ DRC COMMENTS	04.25.08
95% CONST. DOCS	06.16.08

**REVISIONS:**


**PROJECT TEAM PROFESSIONAL IN CHARGE**

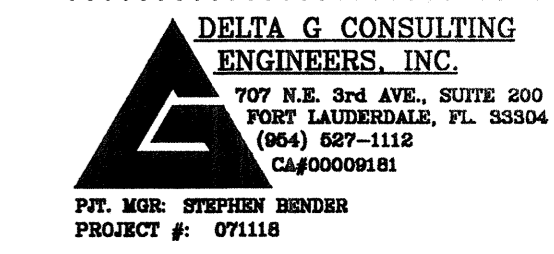
STEPHEN BENDER, P.E.  
 REGISTRATION NUMBER 58998

APPROVED BY: SB

DESIGNED BY: SW

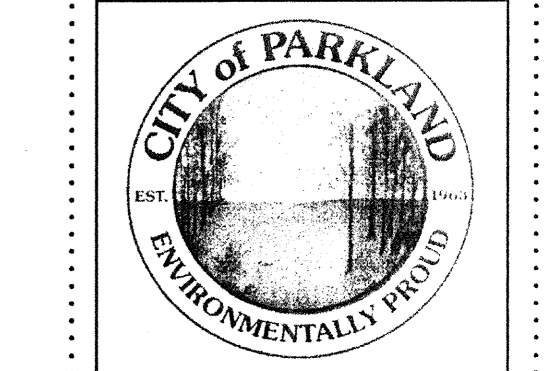
DRAWN BY: SW

CHECKED BY: SB



STEPHEN BENDER, P.E.  
 FLORIDA LICENSE #58998  
 DATE: 04/29/08

**CONSULTANT IN CHARGE**

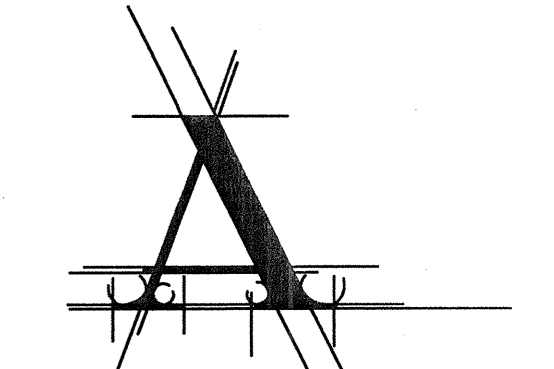


**PUBLIC SERVICES & FIRE STATION FACILITY**  
 6500 PARKSIDE DRIVE  
 PARKLAND, FL 33067  
 P.O. No. 000235

**PROJECT NAME**

**FIRE ALARM FLOOR PLAN**

**SHEET TITLE**



ACAI ASSOCIATES, INC.  
 ARCHITECTURE ENGINEERING ROOFING CONSULTING AND CONSTRUCTION MANAGEMENT  
 2897 W CYPRESS CREEK ROAD, SUITE 200  
 FORT LAUDERDALE, FL 33309  
 PH (954) 484-4000 / FAX (954) 484-5888  
 www.acaiworld.com

07-007 G01  
 PROJECT NUMBER

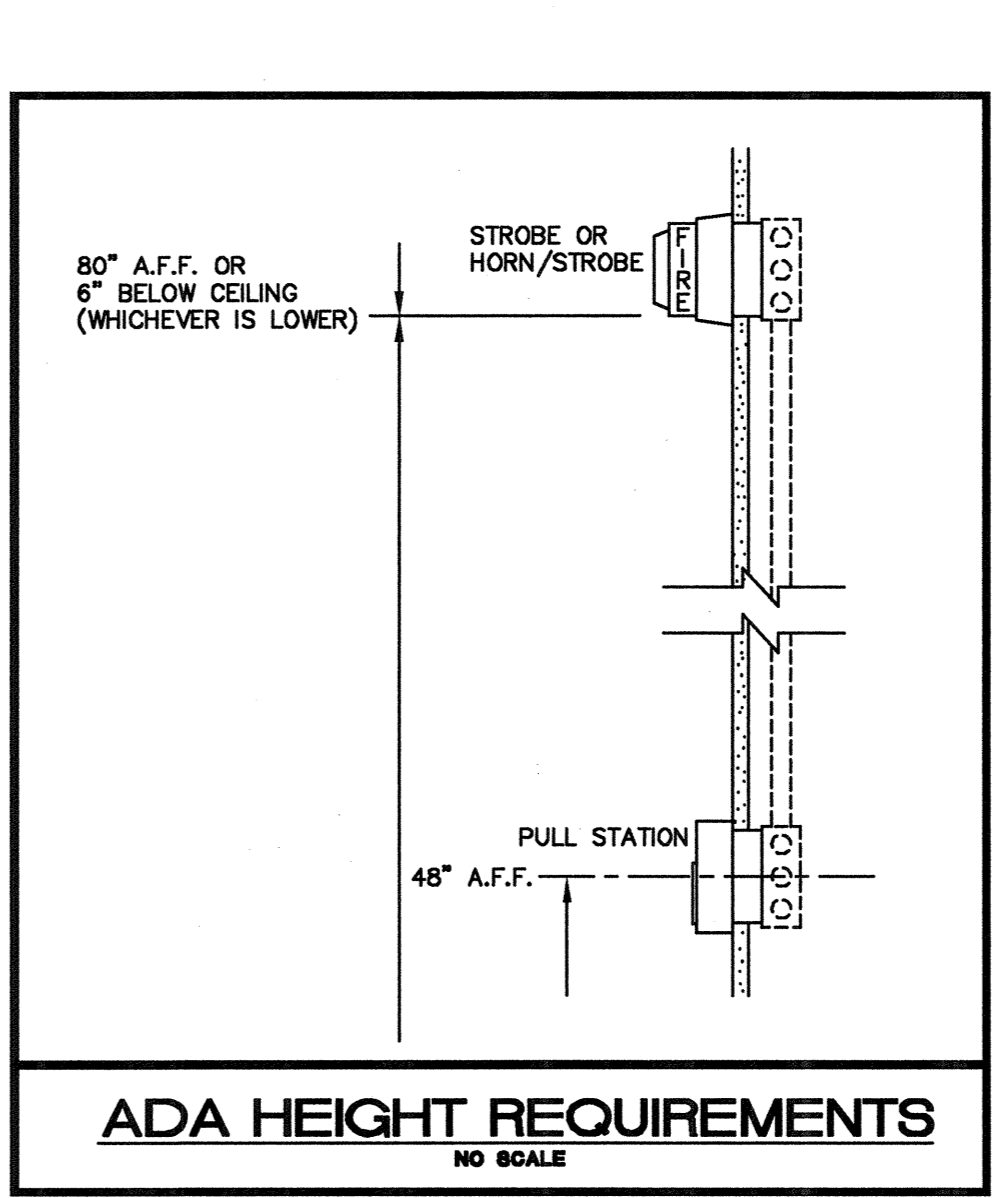
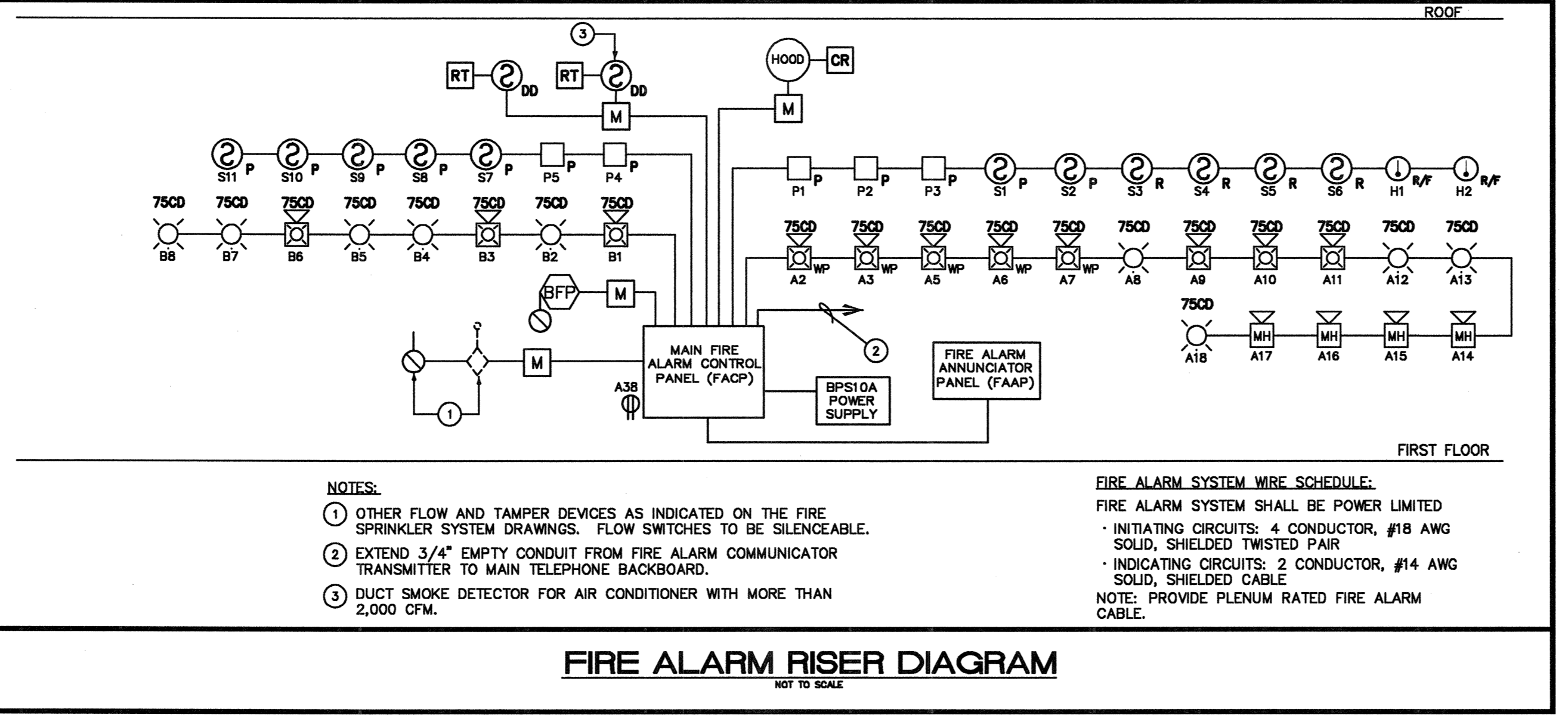
**E203**

**SHEET NUMBER**

TO THE BEST OF MY KNOWLEDGE AND ABILITY THESE PLANS ARE COMPLETE AND COMPLY WITH THE APPLICABLE BUILDING CODES.  
 COPYRIGHT 2007 BY ACAI ASSOC., INC.

**FIRE ALARM NOTES**

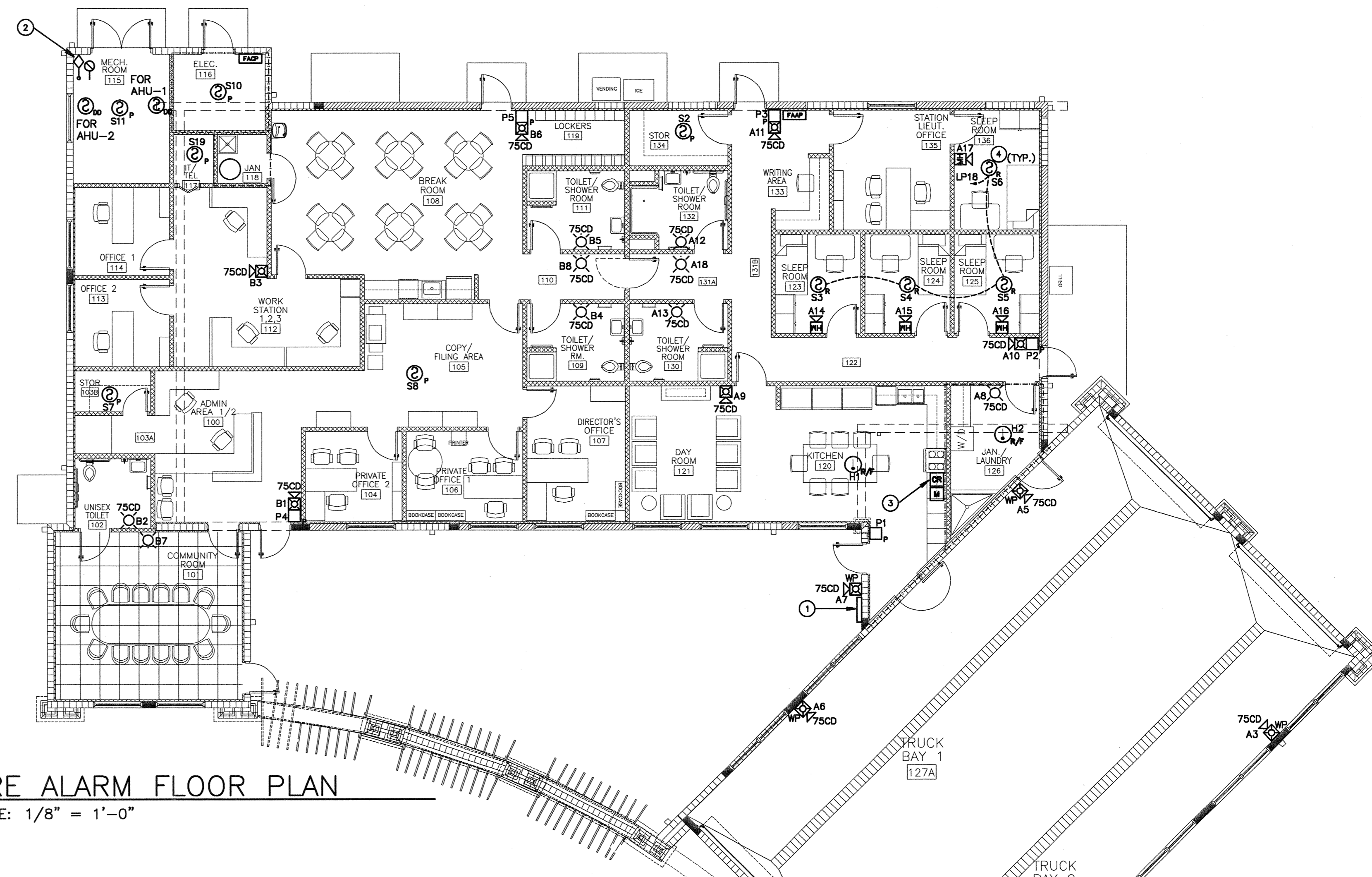
- THE MAIN FIRE ALARM CONTROL PANEL SHALL BE A MICROPROCESSOR BASE SYSTEM WITH ADDRESSABLE, INTELLIGENT DETECTORS, ADDRESSABLE CONTROL RELAY AND MONITOR MODULES, VISIBLE AND AUDIBLE SYSTEM ANNUCIATORS AND OTHER SYSTEM CONTROLLED DEVICES AS REQUIRED.
- PROVIDE REMOTE POWER SUPPLIES AS INDICATED. THE FIRE THE FIRE ALARM SHALL BE CAPABLE OF FUTURE EXPANSION.
- ALL WIRING AND CONDUIT TO CONFORM TO N.F.P.A. 72 AND N.E.C. ARTICLE 760. WIRING SHALL BE SOLID COPPER OR STRANDED COPPER WITH A MAX. OF 7 STRANDS FOR 16 GA AND 18 GA, STRANDED COPPER WITH A MAX. OF 19 STRANDS FOR SIZES 14 AND LARGER AS REQUIRED BY N.E.C. 760 AND N.F.P.A. 70.
- ALL FIRE STOP PENETRATIONS SHALL BE MADE WITH APPROVED (NEC) METALLIC CONDUIT AND SHALL BE SEALED WITH A U.L. APPROVED FIRE STOP MATERIAL. (SEE FIRE STOP DETAIL)
- ROUTING OF THE FIRE ALARM SYSTEM CONDUIT IS DIAGRAMMATIC ONLY, VERIFY EXACT LOCATIONS PRIOR TO STARTING WORK.
- ALL FIRE ALARM VISUAL SIGNAL (STROBES) SHALL ACTIVATE UPON INITIATION OF THE GENERAL ALARM.
- ALL FIRE ALARM VISUAL SIGNALS IN OPEN AREA SHALL HAVE A THREE PLUS TEMPORAL PATTERN.
- ALL FIRE ALARM AUDIBLE SIGNALS SHALL HAVE A SOUND LEVEL OF AT LEAST 15 dba ABOVE THE AVERAGE AMBIENT SOUND LEVEL.
- MANUAL STATIONS SHALL BE INSTALLED AT 48" INCHES A.F.F.
- MOUNT FIRE ALARM SYSTEM HORN/STROBES AT 80" A.F.F. OR 6" BELOW CEILING, WHICH EVER IS LOWER.
- MOUNT FIRE ALARM SYSTEM STROBES AT 80" A.F.F. OR 6" BELOW CEILING, WHICH EVER IS LOWER.
- SMOKE DETECTORS TO BE INSTALLED AS REQUIRED BY N.F.P.A. 72.
- THE FIRE ALARM PANEL SHALL HAVE AN EARTH GROUND CONNECTION AS REQUIRED BY THE SYSTEM MANUFACTURER, AND N.E.C. ARTICLE 760. MINIMUM WIRE SIZE IS #8 AWG FOR GROUND CONNECTION. (NOTE PANEL NEUTRAL OR CONDUIT GROUND IS NOT ACCEPTABLE).
- A GENERAL ALARM SHALL BE ANNUNCIATED UPON ACTIVATION OF ANY PULL STATION, FLOW SWITCH, OR DETECTION DEVICE. A TROUBLE SIGNAL SHALL BE ANNUNCIATED UPON ANY TAMPER SWITCH ACTIVATION OR FAILURE OR REMOVAL OF ANY DETECTOR OR MANUAL DEVICE.
- HVAC DUCT SMOKE DETECTORS SHALL BE CONNECTED TO THE FIRE ALARM CONTROL PANEL AND SHALL INITIATE A TROUBLE (SUPERVISORY) SIGNAL ONLY, AND SHALL INITIATE EITHER AN ALARM SIGNAL AT THE PROTECTED PREMISES OR A SUPERVISORY SIGNAL AT A CONSTANTLY ATTENDED LOCATION OR SUPERVISING STATION.
- FIRE ALARM SYSTEM SHALL BE U.L. CERTIFIED.
- FIRE ALARM CIRCUITS AND DEVICES SHALL BE CLASS "B", STYLE "C".
- PROVIDE CERTIFICATE OF COMPLETION AT THE FINAL INSPECTION OF THE FIRE ALARM SYSTEM.
- FIRE ALARM CONTRACTOR SHALL PROVIDE A DETAILED SET OF SHOP DRAWINGS (INCLUDING DEVICE CUT SHEETS), A COMPLETE POINT TO POINT WIRING DIAGRAM AND COMPLETE BATTERY CALCULATIONS (FOR THE SYSTEM TO BE INSTALLED) TO THE BUILDING DEPARTMENT (AUTHORITY HAVING JURISDICTION AT THE TIME OF APPLICATION FOR BUILDING DEPARTMENT).
- PROVIDE THE OWNER WITH A COMPLETE FIRE ALARM SYSTEM AND INSTALLATION MANUAL COVERING MANUAL COVERING ALL SYSTEM EQUIPMENT INSTALLED FOR THIS PROJECT. KEEP AT THE MAIN FIRE ALARM CONTROL PANEL.
- PROVIDE A DEDICATED 120-VOLT CIRCUIT WITH LOCK-ON BREAKER FOR FIRE ALARM SYSTEM.
- THE CONTRACTOR SHALL PROVIDE COMPLETE SYSTEM FIRE ALARM SHOP DRAWINGS INDICATING ALL DEVICE LOCATIONS, NUMBERS, WIRING, ETC. TO THE AUTHORITY HAVING JURISDICTION PRIOR TO THE INCEPTION OF WORK.
- THE CONTRACTOR SHALL PROVIDE COMPLETE SYSTEM FIRE ALARM SHOP DRAWINGS INDICATING ALL DEVICE LOCATIONS, NUMBERS, WIRING, ETC. TO THE AUTHORITY HAVING JURISDICTION PRIOR TO THE INCEPTION OF WORK.
- THE CONTRACTOR SHALL PROVIDE SPECIFICATION SHEETS OF DEVICES BEING USED ON THE SYSTEM. THE SPECIFICATION SHEETS MUST CLEARLY INDICATE ALL SYSTEM COMPONENTS, INCLUDING WIRING AND CENTRAL ALARM CONNECTIONS.
- THE FIRE ALARM SHOP DRAWINGS SHALL SHOW THE LOCATION OF EACH DEVICE IN THE SYSTEM, AND THE NUMBER ASSIGNED TO EACH DEVICE IN THE SYSTEM. A COPY SHALL BE PROVIDED TO KEEP WITH THE SYSTEM RECORD LOG.
- AUDIBLE NOTIFICATION DEVICES SHALL HAVE A SOUND LEVEL AT LEAST 15db ABOVE THE AVERAGE AMBIENT SOUND LEVEL OR 5db ABOVE THE MAXIMUM SOUND LEVEL HAVING A DURATION OF AT LEAST 60 SECONDS, WHICHEVER IS GREATER MEASURED 1.5M (5FT) ABOVE THE FLOOR IN THE OCCUPIABLE AREA, USING THE A-WEIGHTED SCALE (dBA). THE SYSTEM SHALL BE CERTIFIED FOR dB LEVELS WITH AN APPROVED dBA METER.
- THE CIRCUIT DISCONNECT (BREAKER) MEANS SHALL HAVE A RED MARKING, SHALL BE ACCESSIBLE ONLY TO AUTHORIZED PERSONNEL, AND SHALL BE IDENTIFIED AS "FIRE ALARM CIRCUIT". THE LOCATION OF THE CIRCUIT DISCONNECTING MEANS SHALL BE PERMANENTLY IDENTIFIED AT THE FIRE ALARM CONTROL UNIT.
- THE CONTRACTOR SHALL PROVIDE COPIES OF THE "FIRE ALARM SYSTEM RECORD OF COMPLETION" DOCUMENTATION AS REQUIRED BY NFPA 72 4.5.2.1 TO THE OWNER OR OWNER'S REPRESENTATIVE, AND THE CITY OF MIRAMAR FIRE RESCUE DEPARTMENT.
- THE CONTRACTOR SHALL ENSURE THAT THE FOLLOWING ARE AVAILABLE ON SITE FOR REVIEW WHEN THE PARKLAND FIRE/RESCUE DEPARTMENT IS REQUESTED TO WITNESS THE ACCEPTANCE TEST.  
 A) AN OWNER'S MANUAL AND INSTALLATION INSTRUCTIONS COVERING ALL SYSTEM EQUIPMENT.  
 B) RECORD DRAWINGS.  
 C) FOR SOFTWARE BASED SYSTEMS, A RECORD COPY OF THE SITE-SPECIFIC SOFTWARE.



- KEY NOTES**
- WEATHERPROOF SIGN MOUNTED AT 80" AFF SIGN SHALL BE POSTED ADJACENT TO HORN/STROBE WITH 2 INCH HIGH LETTERS WITH WORDING "FIRE ALARM - DIAL 911" OR "FIRE ALARM - CALL 911".
  - CONTRACTOR SHALL VERIFY EXACT LOCATION OF FLOW, TAMPER & PIV VALVE WITH SPRINKLER CONTRACTOR. ALL FLOW SWITCHES SHALL BE SILENCIBLE.
  - CONNECT KITCHEN HOOD FIRE SUPPRESSION SYSTEM RELAY TO FIRE ALARM SYSTEM.
  - SINGLE STATION 120V SMOKE DETECTORS WITH A SOUNDER BASE AND BATTERY BACK-UP FOR SLEEP ROOM(TYP). SMOKE DETECTOR SHALL BE INTERCONNECTED SO THAT OPERATION OF ANY SMOKE ALARM SHALL ACTIVATE THE ALARM IN ALL SMOKE ALARMS WITHIN THE LIVING UNIT (NOT TIED TO GENERAL FIRE ALARM SYSTEM).

**FIRE ALARM SYMBOLS**

- GE SECURITY - EST LEGEND
- ADDRESSABLE PULL STATION SIGA-27B
  - PHOTO SMOKE WITH BASE SIGA-PS, SIGA-4SB
  - DUCT SMOKE DETECTOR, 24 VOLT SIGA-SD
  - ADDRESSABLE HEAT DETECTOR SIGA-HRS
  - WEATHERPROOF HEAT DETECTOR 302-ET-135 STONCO27 BOX
  - QUICKSTART FIRE ALARM CONTROL PANEL MODULE EST-QS1
  - QUICKSTART REMOTE ANNUNCIATOR PANEL MODULE EST-SRA1
  - ALARM COMMUNICATOR TRANSMITTER.
  - HORN/STROBE G1RF-HDV
  - HORN/STROBE WP 757-BA-T W/ 757A-WB BOX
  - MINI-HORN G1-HD
  - STROBE G1RF-VM
  - FIRE ALARM FLOW SWITCH (FURNISHED BY SPRINKLER CONTRACTOR)
  - FIRE ALARM TAMPER SWITCH (FURNISHED BY SPRINKLER CONTRACTOR)
  - REMOTE TEST SD-TRC
  - ADDRESSABLE CONTROL RELAY SIGA-CR
  - ADDRESSABLE SINGLE OR DUAL MONITOR SIGA-CT1 OR SIGA-CT2 MODULE



**FIRE ALARM FLOOR PLAN**  
 SCALE: 1/8" = 1'-0"

**FIRE ALARM BATTERY CALCULATION**

ITEM	DESCRIPTION	STANDBY CURRENT PER UNIT (AMPS)	QTY	TOTAL STANDBY CURRENT PER ITEM (AMPS)	ALARM CURRENT PER UNIT (AMPS)	QTY	TOTAL ALARM CURRENT (AMPS)
<input type="checkbox"/>	MANUAL PULL STATION	.0	X 5	= .0	.000230	X 5	= .00115
<input type="checkbox"/>	PHOTOELECTRIC SMOKE DETECTOR	.000230	X 14	= .00322	.0065	X 14	= .091
<input type="checkbox"/>	DUCT DETECTOR	0.00015	X 2	= .0003	0.005	X 2	= .01
<input type="checkbox"/>	HEAT DETECTOR	.00015	X 2	= .0003	.005	X 2	= .01
<input type="checkbox"/>	FIRE ALARM CONTROL PANEL	.1	X 1	= .1	.15	X 1	= .15
<input type="checkbox"/>	FIRE ALARM SYSTEM REMOTE ANNUNCIATOR PANEL	.04	X 1	= .04	.056	X 1	= .056
<input type="checkbox"/>	ALARM COMMUNICATIONS ANNUNCIATOR	.1	X 1	= .1	.17	X 1	= .17
<input type="checkbox"/>	SPEAKER/STROBE (15 CANDELA)	.0	X 0	= .0	.078	X 0	= .0
<input type="checkbox"/>	SPEAKER/STROBE (75 CANDELA)	.0	X 11	= .0	.148	X 11	= 1.63
<input type="checkbox"/>	SPEAKER/STROBE (110 CANDELA)	.0	X 0	= .0	.165	X 0	= .0
<input type="checkbox"/>	STROBE (15 CANDELA)	.0	X 0	= .0	.053	X 0	= .0
<input type="checkbox"/>	STROBE (75 CANDELA)	.0	X 6	= .0	.123	X 6	= 0.738
<input type="checkbox"/>	STROBE (110 CANDELA)	.0	X 0	= .0	.140	X 0	= .0
TOTAL SYSTEM STANDBY CURRENT (AMPS)				0.2	TOTAL SYSTEM ALARM CURRENT (AMPS)		2.9

REQUIRED OPERATING TIME OF SECONDARY POWER SOURCE FROM NFPA 72 1-5.2.5:  
 STANDBY: 4 HOURS      ALARM: 5 MINUTES X 1/60 = 0.0833 HOURS

REQUIRED STANDBY (HOURS)	TOTAL SYSTEM STANDBY CURRENT (AMPS)	REQUIRED STANDBY CAPACITY (AMP-HOURS)	REQUIRED ALARM TIME (HOURS)	TOTAL SYSTEM ALARM CURRENT (AMPS)	REQUIRED ALARM CAPACITY (AMP-HOURS)
4	X 0.2	= 0.8	0.0833	X 2.9	= .2416

REQUIRED STANDBY CAPACITY (AMP-HOURS)	REQUIRED ALARM CAPACITY (AMP-HOURS)	REQUIRED AMPERE-HOUR BATTERY	DERATING FACTOR @ 1.2	MINIMUM AMP-HOUR BATTERY REQUIRED	
0.2	+	.2416	= 0.4416	X 1.2	= 0.53

**NOTIFICATION APPLIANCE CIRCUIT CALCULATIONS**

DEVICE	CIRCUIT #1			CIRCUIT #2			CIRCUIT #3			CIRCUIT #4				
	DEVICE COUNT	DRAW (AMPS)	TOTAL DRAW (AMPS)	DEVICE COUNT	DRAW (AMPS)	TOTAL DRAW (AMPS)	DEVICE COUNT	DRAW (AMPS)	TOTAL DRAW (AMPS)	DEVICE COUNT	DRAW (AMPS)	TOTAL DRAW (AMPS)		
STROBE (15cd)	-	0.053	-	0.053	-	0.053	-	0.053	-	0.053	-	0.053		
STROBE (75cd)	6	0.123	0.738	0.123	-	0.123	-	0.123	-	0.123	-	0.123		
STROBE (110cd)	-	0.140	-	0.140	-	0.140	-	0.140	-	0.140	-	0.140		
HORN/STROBE (15cd)	-	0.078	-	0.078	-	0.078	-	0.078	-	0.078	-	0.078		
HORN/STROBE (75cd)	11	0.148	1.628	0.148	-	0.148	-	0.148	-	0.148	-	0.148		
HORN/STROBE (110cd)	-	0.165	-	0.165	-	0.165	-	0.165	-	0.165	-	0.165		
TOTAL DRAW (AMPS) FOR CIRCUIT #1			2.4	TOTAL DRAW (AMPS) FOR CIRCUIT #2			-	TOTAL DRAW (AMPS) FOR CIRCUIT #3			-	TOTAL DRAW (AMPS) FOR CIRCUIT #4		
TOTAL DRAW (AMPS) ALLOWED PER CIRCUIT			4.0	TOTAL DRAW (AMPS) ALLOWED PER CIRCUIT			0.8	TOTAL DRAW (AMPS) ALLOWED PER CIRCUIT			0.8	TOTAL DRAW (AMPS) ALLOWED PER CIRCUIT		
AMPS REMAINING			1.6	AMPS REMAINING			-	AMPS REMAINING			-	AMPS REMAINING		







EXHIBIT C - LIBRARY FIRE ALARM

PARKLAND LIBRARY						
Module	Qty	Description	Standby Current	Total Standby	Alarm Current	Total Alarm
<b>Panel Equipment</b>						
4010-9101	1	FACP 250PT 4NAC 4A 120V BEIGE	0.195000	0.195000	0.295000	0.295000
Total Panel Stby			0.195000	0.195000	Total Panel Alarm	0.295000
<b>Peripheral Devices</b>						
4099-9001	3	MAPNET SINGLE ACTION PULL STATION	0.000000	0.000000	0.000000	0.000000
4098-9757	17	TRUEALARM QUICKCONNECT2 PHOTOELECTRIC SENSOR	0.000000	0.000000	0.000000	0.000000
4098-9733	2	TRUEALARM HEAT SENSOR	0.000000	0.000000	0.000000	0.000000
4098-9756	3	TRUEALARM DUCT SMOKE SENSOR W/ RELAY OUTPUT	0.002400	0.007200	0.015000	0.045000
4098-9755	3	TRUEALARM DUCT SMOKE SENSOR W/O RELAY OUTPUT	0.000000	0.000000	0.000000	0.000000
2098-9806	6	REMOTE TEST STATION W/ LED AND KEY SWITCH	0.000000	0.000000	0.000000	0.000000
4098-9843	3	ENCAPSULATED RELAY PAM-SD	0.002400	0.007200	0.015000	0.045000
4903-9418	5	TRUEALERT 75CD AUDIBLE/VISIBLE RED	0.000000	0.000000	0.196000	0.980000
4904-9332	7	TRUEALERT 75CD VISIBLE ONLY RED SYNC	0.000000	0.000000	0.177000	1.239000
<b>Miscellaneous Outside Purchased Items Requiring System Power</b>						
			0.000000	0.000000	0.000000	0.000000
Total Panel Stby			0.195	0.195	Total Periph Alarm	2.309
Total Standby Amps			0.209	0.209	Total Alarm Amps	2.604

\* Additional Current Draw Included Below With Device Addresses Used  
 1. 2-wire detector alarm current is included in the alarm current of the Initiating Device Circuit.  
 2. 50% of these devices in alarm, are used in the calculations below

Battery Calculations			Standby Current	Alarm Current
Control Panel Card Power			0.195	0.295
Power For External Peripheral Devices			0.01440	2.29700
Additional Battery Capacity Required	20%		0.042	0.518
Standby Time =	24 Hrs		6.031	Standby Ah
Alarm Time =	5 Mins.		0.259	Alarm Ah
Battery Supplied	2081-9274 10AH		7.894	Total Ah

PARKLAND LIBRARY												
NAC SCHEDULE / VOLTAGE DROP CALCULATION												
17 % MAXIMUM VOLTAGE DROP												
CIRCUIT OUTPUT VOLTAGE = 20.4 (FOR CALCULATIONS)												
CIRCUIT	DESCRIPTION	CIRCUIT TYPE	ESTIMATED CIRCUIT LENGTH	A/V 75cd	V/O 75cd	TOTAL CKT. LOAD (AMPS)	WIRE GAUGE (18, 16, 14, 12)	ACTUAL VOLTAGE DROP %	ACTUAL VOLTAGE DROP (VOLTS)	TOTAL CIRCUIT RESISTANCE	MAXIMUM ALLOWABLE LENGTH	POWER SUPPLY
S1	CIRCUIT-1	A/V NAC	400 ft.	3	3	0.912	12	6.90%	1.408	1.5 Ohms	994 ft.	PSM-B
S2	CIRCUIT-2	A/V NAC	400 ft.	2	4	0.912	12	6.90%	1.408	1.5 Ohms	994 ft.	PSM-B
<b>Appliance Summary</b>				5	7							
						<b>Total Load (AMPS)</b>		<b>Max Load (AMPS)</b>		<b>Max Load (AMPS) Per Circuit</b>		
						1.824		8.000		2.000		

METHOD USED TO CALCULATE PERCENT OF VOLTAGE DROP:  
 [(CIRCUIT LENGTH IN FEET X 2) (AMPS X OHMS/FOOT)] X 100  
 20.4 VOLTS

Wire Resistance At 75 Degrees Celsius  
 Ohm/1000 ft

LUMP SUM METHOD WAS USED TO CALCULATE ALLOWABLE VOLTAGE DROP. THIS METHOD ALLOWS FOR A SMALL MARGIN OF SAFETY. TAKING INTO CONSIDERATION THE ACTUAL INSTALLED CIRCUIT ROUTING MAY DIFFER FROM WHAT IS SHOWN ON THE SHOP DRAWINGS. IF THE ACTUAL CIRCUIT LENGTH IS GOING TO EXCEED THE MAXIMUM ALLOWABLE CIRCUIT LENGTH, CONTACT YOUR LOCAL SIMPLEX BRANCH.

NOTE: EACH POWER SUPPLY HAS TWO 4 AMP TAPS FOR A TOTAL OF 8 AMPS  
 PSM-A = SYSTEM POWER AMPS  
 PSM-B = 1.824 AMPS

SYMBOL LEGEND		
SYMBOL	SIMPLEX MODEL #	DESCRIPTION
[FACP]	4010-9101	FACP 250 PT 4 NAC 4A 120VAC
[F]	4099-9001	SINGLE ACTION ADDRESSABLE STATION
[H]	4098-9792 4098-9733	SSD SENSOR BASE SSD HEAT SENSOR
[SI]	4098-9757 4098-9788	SSD PHOTO SENSOR SSD SENSOR BASE
[SI]	4098-9756 4098-9755 2098-9798	SSD SENSOR DUCT HOUSING 4 WIRES SSD SENSOR DUCT HOUSING 2 WIRES SAMPLING TUBE 73"
[R]	4098-9843	ENCAPSULATED RELAY, PAM-SD
[R]	2098-9806	REMOTE TEST STATION RED LED KEY SWITCH
[H] 75	4903-9418	A/V 75CD RED SYNC NON-ADDRESSABLE
[L] 75	4903-9332	V/O 24VDC 75CD RED SYNC NON-ADDRESSABLE
[W]		END OF LINE RESISTOR
[E]		CONNECTION TO AN APPROVED, DEDICATED EARTHGROUND, NFPA 70. COMPLY WITH NEC.
[B]		120VAC SOURCE DEDICATED BREAKER COMPLY WITH NFPA 70.

WIRE LEGEND	
C	AUXILIARY CONTROL CIRCUIT - ACC 14/2 FPL
L	NOTIFICATION APPLIANCE CIRCUIT - NAC/VISUAL & AUDIBLE 12/2 FPL
MN	MULTI-ADDRESSABLE PERIPHERAL NETWORK - MAPNET 18/2 TWISTED/SHIELDED PAIR FPL
MP	MAPNET POWER CIRCUIT - APC 14/2 FPL

- NOTES:
- ALL WIRING SHALL BE POWER LIMITED.
  - WIRING SHALL BE CLASS 2 14/2, 18/2, 12/2 UL PLENUM RATED.
  - INSTALLATION SHALL COMPLY WITH NFPA 1, 2000, APPLICABLE CHAPTERS.
  - INSTALLATION SHALL COMPLY WITH NFPA 72, 1999, APPLICABLE CHAPTERS.
  - INSTALLATION SHALL COMPLY WITH NFPA 101, 2000, APPLICABLE CHAPTERS.
  - INSTALLATION SHALL COMPLY WITH NEC 1999.
  - CONDUIT, AS APPLICABLE SHALL BE 1/2" MINIMUM WITH A MAXIMUM FILL OF 40%. COMPLY WITH NEC.
  - SYSTEM SHALL BE GROUNDED PER MANUFACTURERS SPECIFICATIONS.
  - SYSTEM SHALL BE UL LISTED AND COMPATIBLE.
  - AUDIBILITY SHALL BE A MINIMUM OF 15dB ABOVE AMBIENT OR 5dB ABOVE PEAK LEVELS.
  - SMOKE DETECTORS SHALL NOT BE LOCATED WITHIN 3' OF A/C DIFFUSERS, KITCHEN OR BATHROOM DOORS.
  - CEILING MOUNTED DEVICES SHALL BE LOCATED AT A HEIGHT OF 10' +/- ON SMOOTH FLAT CEILINGS UNLESS OTHERWISE NOTED.
  - SIGNALING LINE CIRCUITS SHALL HAVE A MAXIMUM OF 250 POINTS PER CHANNEL. SEE FLOOR PLANS FOR QUANTITIES & TYPES OF DEVICES.
  - FIRE ALARM PANEL & ANY ASSOCIATED FIRE ALARM TRANSDUCERS SHALL BE FED BY A 120VAC, SINGLE PHASE, 20 AMP, DEDICATED BREAKER.
  - ALL INTERCONNECTED FIRE ALARM PANELS SHALL BE ARRANGED TO FUNCTION AS A SINGLE SYSTEM AND SHALL BE MONITORED FOR INTEGRITY PER NFPA 72.

- SCOPE OF WORK:
- PROVIDE & INSTALL FIRE ALARM SYSTEM AS SHOWN ON DRAWINGS.
  - SIGNALING LINE CIRCUIT WIRING SHALL BE STYLE 6.
  - NOTIFICATION APPLIANCE CIRCUIT WIRING SHALL BE STYLE 2.
  - THIS SYSTEM SHALL BE A LOCAL REPORTING STATION SIGNALING SYSTEM.

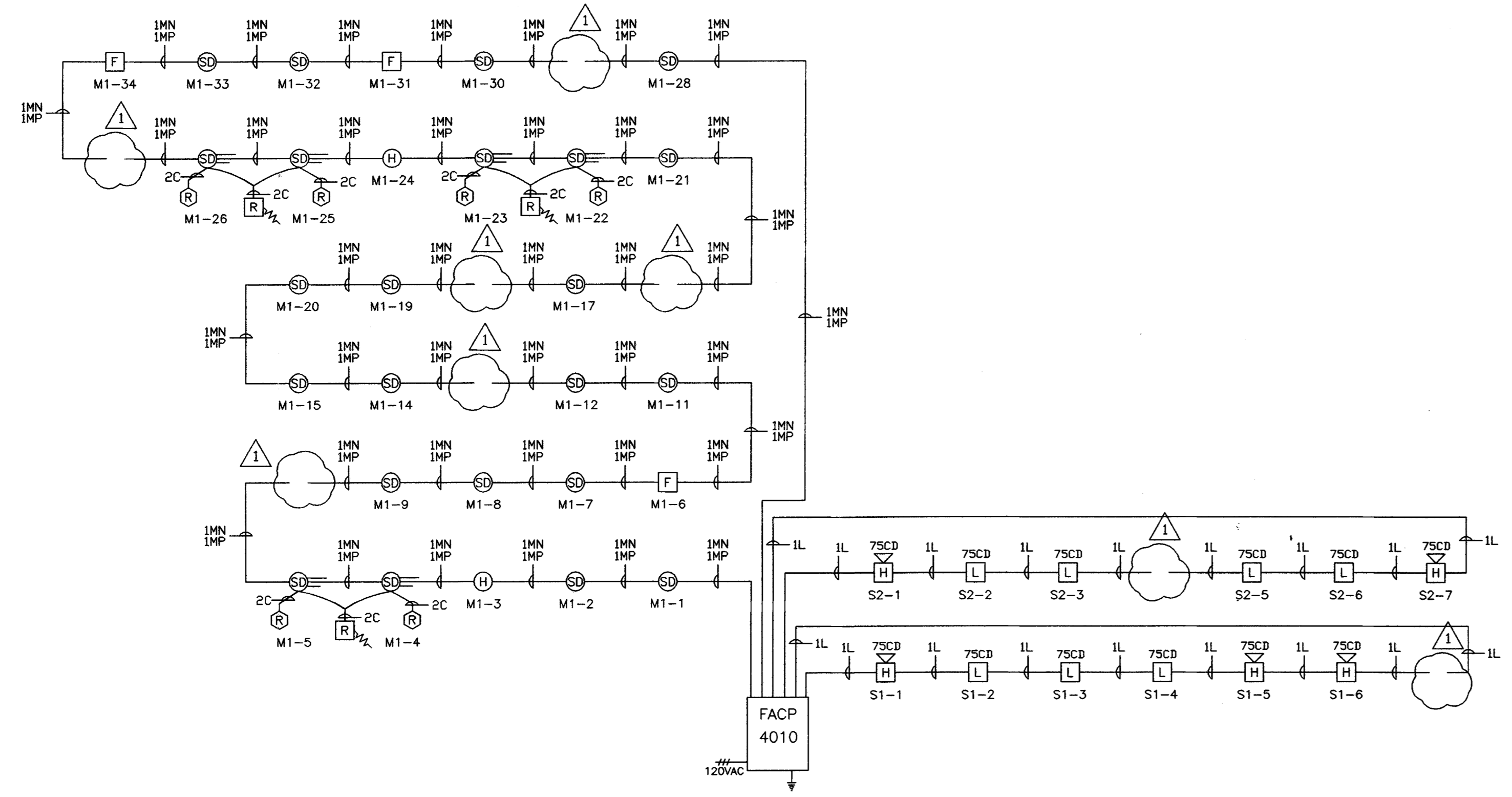
- SEQUENCE OF OPERATION:
- UPON ACTIVATION OF ANY MANUAL STATION THE FOLLOWING SHALL OCCUR:
- ALL HORNS WILL SOUND UNTIL SYSTEM IS SILENCED.
  - ALL STROBES WILL FLASH UNTIL SYSTEM IS RESET.
  - AN ALARM SIGNAL SHALL BE SENT TO THE FACP & REMOTE ANNUNCIATOR.
  - A SUPERVISED SIGNAL TO NOTIFY LOCAL FIRE DEPARTMENT.
  - ALL AIR HANDLER UNITS SHALL SHUT DOWN.

- UPON ACTIVATION OF ANY AUTOMATIC DEVICE THE FOLLOWING SHALL OCCUR:
- ALL HORNS WILL SOUND UNTIL SYSTEM IS SILENCED.
  - ALL STROBES WILL FLASH UNTIL SYSTEM IS RESET.
  - AN ALARM SIGNAL SHALL BE SENT TO THE FACP & REMOTE ANNUNCIATOR.
  - ALL AIR HANDLER UNITS SHALL SHUT DOWN.

- UPON ACTIVATION OF A DUCT SMOKE DETECTOR THE FOLLOWING SHALL OCCUR:
- A SIGNAL SHALL BE SENT TO THE FACP & REMOTE ANNUNCIATOR.
  - THE AIR HANDLER UNIT ASSOCIATED WITH THAT DUCT DETECTOR SHALL SHUT DOWN.
- UPON ACTIVATION OF ANY SMOKE DETECTOR THE FOLLOWING SHALL OCCUR:
- INITIATE ALARM VERIFICATION OPERATION WHERE BY THE PANEL WILL RESET THE ACTIVATED DETECTOR AND WAIT FOR A SECOND ALARM ACTIVATION. IF, WITHIN ONE MINUTE AFTER RESETTING, A SECOND ALARM IS REPORTED FROM THE SAME OR ANY OTHER SMOKE DETECTOR, THE SYSTEM SHALL PROCESS THE ALARM AS DESCRIBED PREVIOUSLY.
  - IF SECOND ALARM DOES NOT OCCUR WITHIN ONE MINUTE, THE SYSTEM SHALL RESUME NORMAL OPERATION.

FIRE ALARM SYSTEM SHOP DRAWINGS

- THE FIRE ALARM SYSTEM SHOP DRAWINGS ARE FOR THE CONTRACTOR'S ASSISTANCE IN THE INSTALLATION OF THE FIRE ALARM SYSTEM, FIRE ALARM PANELS, AND PERIPHERAL DEVICES SUPPLIED BY SIMPLEXGRINNELL TO COMPLY WITH THE DESIGN AND SPECIFICATIONS OF THE ENGINEER OF RECORD. THE CONTRACTOR SHALL REFER TO THE ENGINEER OF RECORD DRAWINGS FOR DEVICE QUANTITIES, PLACEMENT AND TYPE, AS WELL AS, ADDITIONAL SEQUENCES OF OPERATIONS. THE LOCATIONS OF FIRE ALARM DEVICES AS SHOWN ON THE SHOP DRAWINGS ARE FOR THE CONVENIENCE OF ADDRESSING ONLY AND THE CONTRACTOR SHALL REFER TO THE ENGINEER OF RECORD DRAWINGS FOR ACTUAL LOCATIONS.
- THE SHOP DRAWINGS REPRESENT FIELD WIRING AND SIMPLEXGRINNELL PERIPHERAL DEVICE ADDRESSING REQUIREMENTS OF THE FIRE ALARM SYSTEM.
- THESE REQUIREMENTS BEING DEFINED BY THE FIRE ALARM SYSTEM AND COMPONENT MANUFACTURERS FOR INSTALLATION OF FIRE ALARM SYSTEM COMPONENTS TO BE IN COMPLIANCE WITH UNDERWRITER'S LISTING OF THE EQUIPMENT AND ITS INTENDED USE
- THE SIGNING AND SEALING OF THE SHOP DRAWINGS MAKE NO CLAIMS FOR VERIFICATION OF THE ENGINEER OF RECORD'S DESIGN CONCEPTS OR CRITERIA. THE ENGINEER OF RECORD REMAINS SOLELY RESPONSIBLE FOR THE FIRE ALARM DESIGN AND ITS COMPLIANCE WITH ALL LOCAL AND STATE CODES AND ORDINANCES, AS WELL AS, COMPLIANCE WITH THE AUTHORITY HAVING JURISDICTION.



FIRE ALARM RISER & CALC'S

NO SCALE

AS BUILT

**tyco** Fire & Security **SimplexGrinnell**

BRANCH: 3801 COMMERCE PARKWAY  
 MIRAMAR, FL 33025  
 PHN: 954-431-3700  
 FAX: 954-435-6686

SALESPERSON: JAMES MALONEY  
 PHONE: (954) 931-3700

REVISION DESCRIPTION  
 000003 CHANGES PER ARCHITECTURAL REVISION

NO. DATE  
 1 03/06/03

CONTRACTOR: FINE LINE CONSTRUCTION & ELECTRIC 10000 ROCK ROAD, DEERFIELD BEACH, FL 33442 LICENSE#

PROJECT: PARKLAND LIBRARY  
 ADDRESS: 6800 N. UNIVERSITY DR. PARKLAND, FL 33067

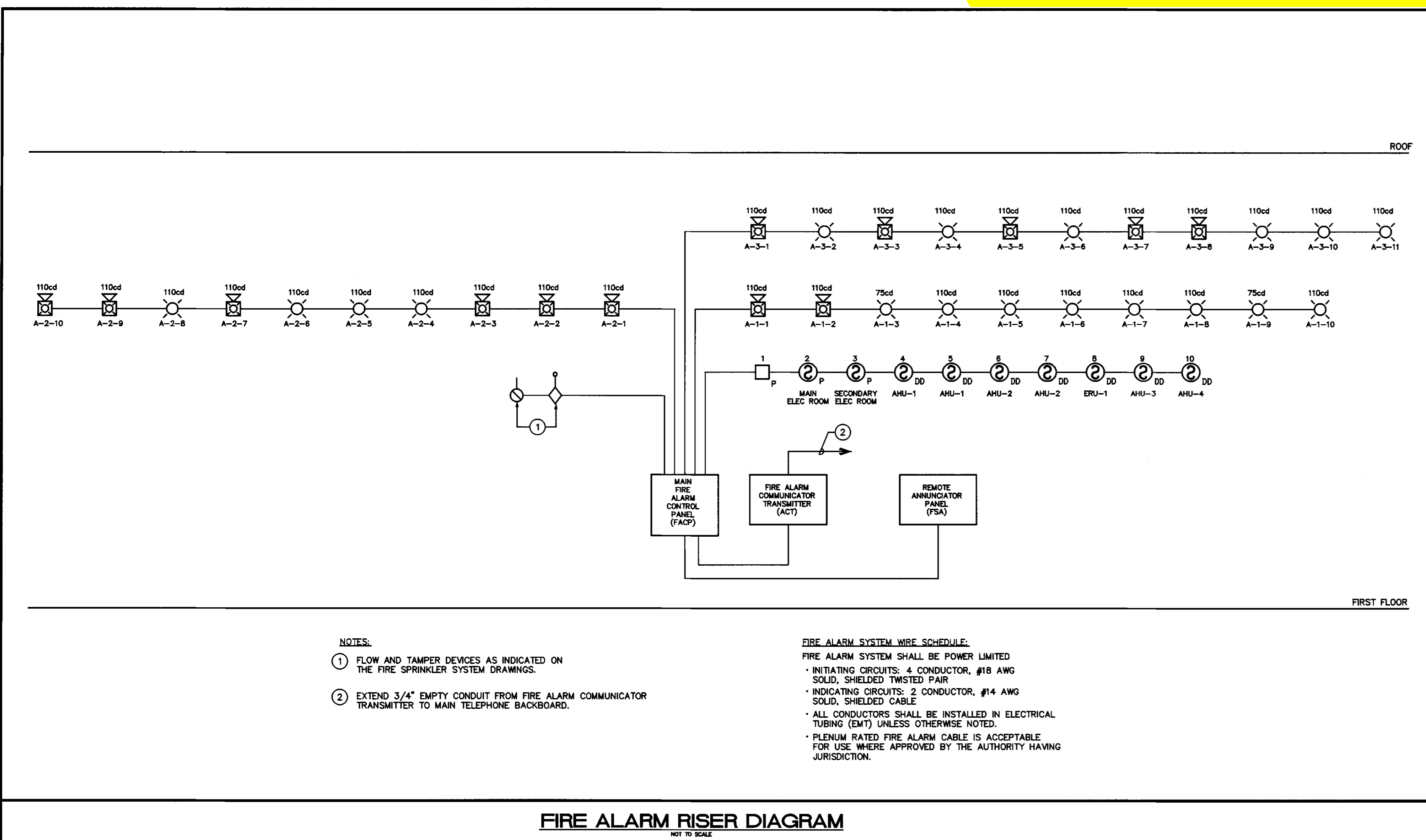
SHOP DRAWINGS FOR SUBMITTAL PURPOSES

DRAWINGS AND WIRING DIAGRAMS IN CONNECTION WITH THE QUOTED PROJECT ARE:  
 A: PROVIDED FOR THE SOLE USE OF THE INSTALLING CONTRACTOR AS A GUIDE FOR THE FABRICATION AND INSTALLATION OF THE FIRE ALARM SYSTEM, AND:  
 B: SIMPLEXGRINNELL IS NOT RESPONSIBLE FOR SYSTEM DESIGN OR REPLACEMENT OF DEVICES.  
 WE WARNINGS:  
 DO NOT POWER UP SIMPLEXGRINNELL CONTROL PANEL WITHOUT A SIMPLEXGRINNELL 2 WEEKS IN ADVANCE

DRAWN BY: LB DATE: 04/15/02  
 DESIGNED BY: LB DATE: 04/15/02  
 APPROVED BY: DATE:

PROJECT NUMBER: 263-00815.01  
 SHEET TITLE/PATH: #402 RISER  
 2002/PARKLAND LIBRARY  
 SHEET NUMBER: 2 OF 3





**NOTES:**

- FLOW AND TAMPER DEVICES AS INDICATED ON THE FIRE SPRINKLER SYSTEM DRAWINGS.
- EXTEND 3/4" EMPTY CONDUIT FROM FIRE ALARM COMMUNICATOR TRANSMITTER TO MAIN TELEPHONE BACKBOARD.

**FIRE ALARM SYSTEM WIRE SCHEDULE:**

FIRE ALARM SYSTEM SHALL BE POWER LIMITED

- INITIATING CIRCUITS: 4 CONDUCTOR, #18 AWG SOLID, SHIELDED TWISTED PAIR
- INDICATING CIRCUITS: 2 CONDUCTOR, #14 AWG SOLID, SHIELDED CABLE
- ALL CONDUCTORS SHALL BE INSTALLED IN ELECTRICAL TUBING (EMT) UNLESS OTHERWISE NOTED.
- PLENUM RATED FIRE ALARM CABLE IS ACCEPTABLE FOR USE WHERE APPROVED BY THE AUTHORITY HAVING JURISDICTION.

FIRE ALARM RISER DIAGRAM  
NOT TO SCALE

**FIRE ALARM SHEET INDEX**

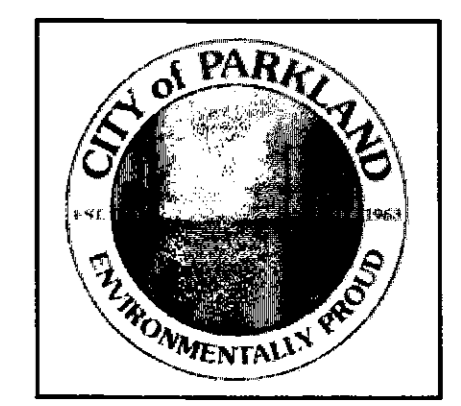
FA0.1	FIRE ALARM NOTES, LEGEND & INDEX
FA2.1.1	PARTIAL FIRE ALARM PLAN
FA2.1.2	PARTIAL FIRE ALARM PLAN
FA2.1.3	PARTIAL FIRE ALARM PLAN
FA2.1.4	PARTIAL FIRE ALARM PLAN
FA2.1.5	PARTIAL FIRE ALARM PLAN
FA2.2	MEZZANINE FIRE ALARM PLAN

- FIRE ALARM NOTES** 10-21-03
- THE MAIN FIRE ALARM CONTROL PANEL SHALL BE A MICROPROCESSOR BASE SYSTEM WITH ADDRESSABLE INTELLIGENT DETECTORS, ADDRESSABLE CONTROL RELAY AND MONITOR MODULES, VISIBLE AND AUDIBLE SYSTEM ANNUNCIATORS AND OTHER SYSTEM CONTROLLED DEVICES AS REQUIRED.
  - PROVIDE REMOTE POWER SUPPLY AS INDICATED FOR EACH FLOOR FOR FUTURE TENANT BUILDOUT. THE FIRE ALARM SHALL BE CAPABLE OF FUTURE EXPANSION AS REQUIRED IN THE TENANT TENANT SPACES.
  - ALL WIRING AND CONDUIT TO CONFORM TO N.F.P.A. 72 AND N.E.C. ARTICLE 760. WIRING SHALL BE SOLID COPPER OR STRANDED COPPER WITH A MAX. OF 7 STRANDS FOR 18 GA AND 18 GA, STRANDED COPPER WITH A MAX. OF 19 STRANDS FOR SIZES 14 AND LARGER AS REQUIRED BY N.E.C. 760 AND N.F.P.A. 70.
  - ALL FIRE STOP PENETRATIONS SHALL BE MADE WITH APPROVED (NEC) METALLIC CONDUIT AND SHALL BE SEALED WITH A U.L. APPROVED FIRE STOP MATERIAL (SEE FIRE STOP DETAIL).
  - ROUTING OF THE FIRE ALARM SYSTEM CONDUIT IS DIAGRAMMATIC ONLY. VERIFY EXACT LOCATIONS PRIOR TO STARTING WORK.
  - ALL FIRE ALARM VISUAL SIGNAL (STROBES) SHALL ACTIVATE UPON INITIATION OF THE GENERAL ALARM.
  - ALL FIRE ALARM VISUAL SIGNALS IN OPEN AREA SHALL HAVE A THREE PLUS TEMPORAL PATTERN.
  - ALL FIRE ALARM AUDIBLE SIGNALS SHALL HAVE A SOUND LEVEL OF AT LEAST 15 dba ABOVE THE AVERAGE AMBIENT SOUND LEVEL.
  - MANUAL STATIONS SHALL BE INSTALLED AT 48" INCHES A.F.F.
  - MOUNT FIRE ALARM SYSTEM HORN/STROBES SUCH THAT THE ENTIRE LENS IS 80" A.F.F. OR 6" BELOW CEILING, WHICHEVER IS LOWER.
  - MOUNT FIRE ALARM SYSTEM STROBES SUCH THAT THE ENTIRE LENS IS 80" A.F.F. OR 6" BELOW CEILING, WHICHEVER IS LOWER.
  - SMOKE DETECTORS TO BE INSTALLED AS REQUIRED BY N.F.P.A. 72.
  - THE FIRE ALARM PANEL SHALL HAVE AN EARTH GROUND CONNECTION AS REQUIRED BY THE SYSTEM MANUFACTURER, AND N.E.C. ARTICLE 760. MINIMUM WIRE SIZE IS #8 AWG FOR GROUND CONNECTION. (NOTE PANEL NEUTRAL OR CONDUIT GROUND IS NOT ACCEPTABLE).
  - A GENERAL ALARM SHALL BE ANNUNCIATED UPON ACTIVATION OF ANY PULL STATION, FLOW SWITCH OR DETECTION DEVICE.
  - A TROUBLE SIGNAL SHALL BE ANNUNCIATED UPON FAILURE OR REMOVAL OF ANY DETECTION OR MANUAL DEVICE.
  - A SUPERVISORY SIGNAL SHALL BE ANNUNCIATED UPON ACTIVATION OF ANY FIRE SPRINKLER SYSTEM TAMPER SWITCH.
  - HVAC DUCT SMOKE DETECTORS SHALL BE CONNECTED TO THE FIRE ALARM CONTROL PANEL AND SHALL INITIATE A SUPERVISORY SIGNAL ONLY.
  - FIRE ALARM SYSTEM SHALL BE U.L. CERTIFIED.
  - ALL FIRE ALARM INITIATING DEVICES SHALL BE ADDRESSABLE AND ALL FIRE ALARM CIRCUITS SHALL BE CLASS "B", STYLE "C".
  - SECURITY LOCK SYSTEM (BY OTHERS) SHALL BE TIED INTO FIRE ALARM SYSTEM. EMERGENCY EXITS SHALL UNLOCK UPON RECEIPT OF ANY FIRE SIGNAL OR LOSS OF PRIMARY POWER.
  - FIRE ALARM SYSTEM SHALL BE U.L. CERTIFIED.
  - PROVIDE CERTIFICATE OF COMPLETION AT THE FINAL INSPECTION OF THE FIRE ALARM SYSTEM.
  - FIRE ALARM CONTRACTOR SHALL PROVIDE A DETAILED SET OF SHOP DRAWINGS (INCLUDING DEVICE CUT SHEETS), A COMPLETE POINT TO POINT WIRING DIAGRAM, FLOOR PLAN DRAWINGS INDICATING ALL DEVICE LOCATIONS AND NUMBERS, COMPLETE BATTERY CALCULATIONS AND COMPLETE NOTIFICATION APPLIANCE CIRCUIT CALCULATIONS (FOR THE SYSTEM TO BE INSTALLED) TO THE BUILDING DEPARTMENT (AUTHORITY HAVING JURISDICTION) AT THE TIME OF APPLICATION FOR BUILDING PERMIT.
  - PROVIDE THE OWNER WITH A COMPLETE FIRE ALARM SYSTEM AND INSTALLATION MANUAL COVERING MANUAL COVERING ALL SYSTEM EQUIPMENT INSTALLED FOR THIS PROJECT. KEEP AT THE MAIN FIRE ALARM CONTROL PANEL.

# Pine Trails Park

## Phase II

Prepared for:  
**City of Parkland**  
Florida



EDSA  
1512 E. Broward Blvd., Suite 110  
Fort Lauderdale, FL 33301  
www.edspan.com

planners landscape architects  
graphic designers

**FIRE ALARM BATTERY CALCULATION** 09-25-01

ITEM	DESCRIPTION	STANDBY CURRENT PER UNIT (AMPS)	QTY	TOTAL STANDBY CURRENT PER ITEM (AMPS)	ALARM CURRENT PER UNIT (AMPS)	QTY	TOTAL ALARM CURRENT (AMPS)
1	MANUAL PULL STATION	.0	X 1	= .0	.000230	X 1	= .00023
2	PHOTOELECTRIC SMOKE DETECTOR	.000230	X 2	= .00046	.0065	X 2	= .013
3	DUCT DETECTOR	.015	X 3	= .00045	.07	X 3	= .021
4	HEAT DETECTOR	.00015	X 0	= .0	.005	X 0	= .0
FACP	FIRE ALARM CONTROL PANEL	.1	X 1	= .1	.15	X 1	= .15
FSPA	FIRE ALARM SYSTEM POINT ANNUNCIATOR	.04	X 1	= .04	.056	X 1	= .056
ACT	ALARM COMMUNICATIONS ANNUNCIATOR	.1	X 0	= .0	.17	X 0	= .0
15	SPEAKER/STROBE (15 CANDELA)	.0	X 0	= .0	.078	X 0	= .0
75	SPEAKER/STROBE (75 CANDELA)	.0	X 0	= .0	.148	X 0	= .0
110	SPEAKER/STROBE (110 CANDELA)	.0	X 12	= .0	.165	X 12	= 1.98
15	STROBE (15 CANDELA)	.0	X 0	= .0	.053	X 0	= .0
75	STROBE (75 CANDELA)	.0	X 2	= .0	.123	X 2	= .246
110	STROBE (110 CANDELA)	.0	X 12	= .0	.140	X 12	= 1.68
				TOTAL SYSTEM STANDBY CURRENT (AMPS)	0.141	TOTAL SYSTEM ALARM CURRENT (AMPS)	4.14

REQUIRED OPERATING TIME OF SECONDARY POWER SOURCE FROM NFPA 72 1-5.2.5:

STANDBY: 24 HOURS      ALARM: 5 MINUTES X 1/60 = 0.0833 HOURS

REQUIRED STANDBY TIME (HOURS)	TOTAL SYSTEM STANDBY CURRENT (AMPS)	REQUIRED STANDBY CAPACITY (AMP-HOURS)	REQUIRED ALARM TIME (HOURS)	TOTAL SYSTEM ALARM CURRENT (AMPS)	REQUIRED ALARM CAPACITY (AMP-HOURS)				
24	X	0.141	=	3.39	0.0833	X	4.14	=	0.345

REQUIRED STANDBY CAPACITY (AMP-HOURS)	REQUIRED ALARM CAPACITY (AMP-HOURS)	REQUIRED AMPERE HOUR BATTERY	DERATING FACTOR @ 1.2	MINIMUM AMP-HOUR BATTERY REQUIRED				
3.39	+	0.345	=	3.735	X	1.2	=	4.482

**NOTIFICATION APPLIANCE CIRCUIT CALCULATIONS** 09-25-01

DEVICE	CIRCUIT #1			CIRCUIT #2			CIRCUIT #3			CIRCUIT #4			
	DEVICE COUNT	DRAW (AMPS)	TOTAL DRAW (AMPS)	DEVICE COUNT	DRAW (AMPS)	TOTAL DRAW (AMPS)	DEVICE COUNT	DRAW (AMPS)	TOTAL DRAW (AMPS)	DEVICE COUNT	DRAW (AMPS)	TOTAL DRAW (AMPS)	
STROBE (15cd)	0	0.053	0	0	0.053	0	0	0.053	0	0	0.053	-	
STROBE (75cd)	2	0.123	.246	0	0.123	0	0	0.123	0	0	0.123	-	
STROBE (110cd)	6	0.140	0.840	4	0.140	.560	6	0.140	.840	6	0.140	.840	
HORN/STROBE (15cd)	0	0.078	0	0	0.078	0	0	0.078	0	0	0.078	-	
HORN/STROBE (75cd)	0	0.148	0	0	0.148	0	0	0.148	0	0	0.148	-	
HORN/STROBE (110cd)	2	0.156	.312	6	0.156	.936	5	0.156	0.78	2	0.156	0.312	
TOTAL DRAW (AMPS) FOR CIRCUIT #1			1.4	TOTAL DRAW (AMPS) FOR CIRCUIT #2			1.5	TOTAL DRAW (AMPS) FOR CIRCUIT #3			1.62	TOTAL DRAW (AMPS) FOR CIRCUIT #4	
TOTAL DRAW (AMPS) ALLOWED PER CIRCUIT			1.8	TOTAL DRAW (AMPS) FOR CIRCUIT #2			1.8	TOTAL DRAW (AMPS) FOR CIRCUIT #3			1.8	TOTAL DRAW (AMPS) FOR CIRCUIT #4	
REMAINING			0.4	REMAINING			0.3	REMAINING			0.18	REMAINING	

Consultants:

**GARCIA BRENNER STROMBERG**  
ARCHITECTURE

VISION IDEA REALITY

**CRAVEN - THOMPSON & ASSOCIATES, INC.**  
ENGINEERS PLANNERS SURVEYORS

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LILLIAN K. REYES, P.E.  
Florida P.E. No. 50790

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△			
△			
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100% BUILDING DEPARTMENT PERMIT SUBMITTAL

Sheet Title:  
**COMMUNITY CENTER  
FIRE ALARM  
NOTES**

Date: 09/10/04      Scale: AS NOTED  
Drawn By: BM      Designed By: BM  
Appd. By: MP/LTC      Project No: 22314

Sheet Number:  
**FA0.1**

ISSUED FOR PERMIT 09-10-04  
ISSUED FOR CONSTRUCTION

KAMM CONSULTING PROJECT # 2004-009  
PROJECT MANAGER: BRUCE MILLER

**KAMM** CONSULTING  
1407 West Newport Center Drive  
Deerfield Beach, Florida 33441  
Phone 561-943-2200 Fax 561-943-2201  
engineering@kammconsulting.com  
Certification of Authorization #8189

DIRECTOR OF ELECTRICAL ENGINEERING 09-14-04  
Lee T. Carter Florida License #35349

DIRECTOR OF MECHANICAL ENGINEERING  
Bruce E. Miller Florida License #37903



**FIRE ALARM LEGEND**

- ☐<sup>MF</sup> FIRE ALARM MANUAL PULL STATION  
48" A.F.F.
- ☐<sup>110cd</sup> WEATHERPROOF FIRE ALARM HORN/STROBE COMBINATION  
MOUNT AT 80" A.F.F. OR 6" BELOW CEILING WHICHEVER IS LOWER.
- ☐<sup>15/75cd</sup> FIRE ALARM HORN / STROBE COMBINATION  
MOUNT AT 80" A.F.F. OR 6" BELOW CEILING WHICHEVER IS LOWER.
- ☐<sup>110cd</sup> FIRE ALARM STROBE  
MOUNT AT 80" A.F.F. OR 6" BELOW CEILING WHICHEVER IS LOWER.
- ☐<sup>2p</sup> PHOTOELECTRIC SMOKE DETECTOR, ADDRESSABLE
- ☐<sup>2p</sup> DUCT SMOKE DETECTOR, ADDRESSABLE, HOUSING  
DETECTOR, SAMPLE TUBE, REMOTE TEST  
AND HEAVY DUTY CONTROL RELAY
- ☐<sup>110cd</sup> HEAT DETECTOR, FIXED TEMPERATURE (135°).
- ☐<sup>110cd</sup> FIRE ALARM FLOW SWITCH  
(FURNISHED BY SPRINKLER CONTRACTOR)
- ☐<sup>110cd</sup> FIRE ALARM TAMPER SWITCH  
(FURNISHED BY SPRINKLER CONTRACTOR)
- ☐<sup>M</sup> MONITOR MODULE
- ☐<sup>C</sup> CONTROL RELAY
- ☐<sup>KB</sup> KNOX BOX
- ☐<sup>FACP</sup> FIRE ALARM CONTROL PANEL - ADDRESSABLE
- ☐<sup>RAP</sup> REMOTE ANNUNCIATOR PANEL

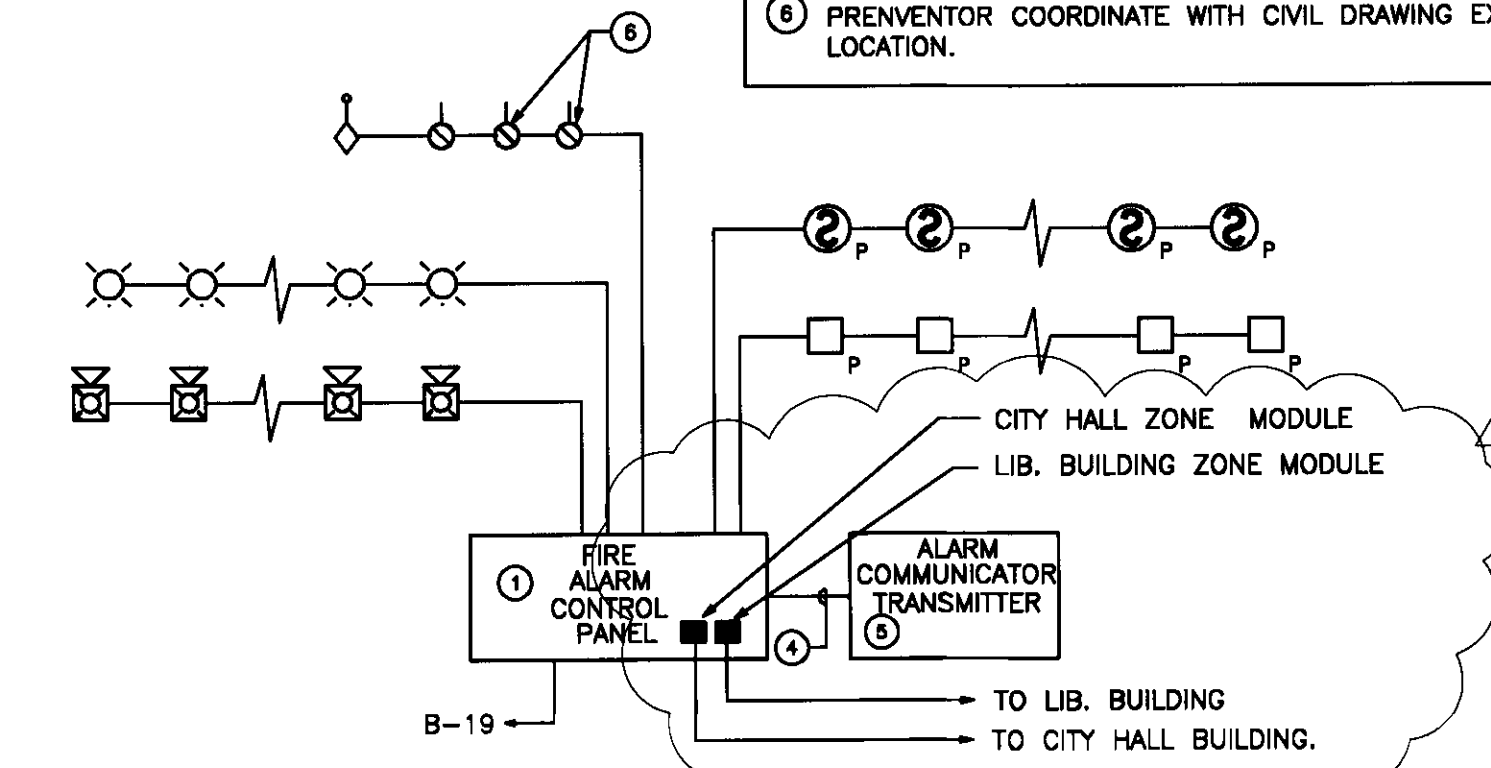
- WIRE LEGEND**
- A = 1-18-2 FPL DATA
  - B = 1-18-2 FPL HORNS
  - C = 1-18-2 FPL DUCT POWER
  - D = 1-18-2 FPL ANNUNC. DATA
  - E = 1-18-2 FPL ANNUNC. POWER

**FIRE ALARM SYSTEM NOTES**

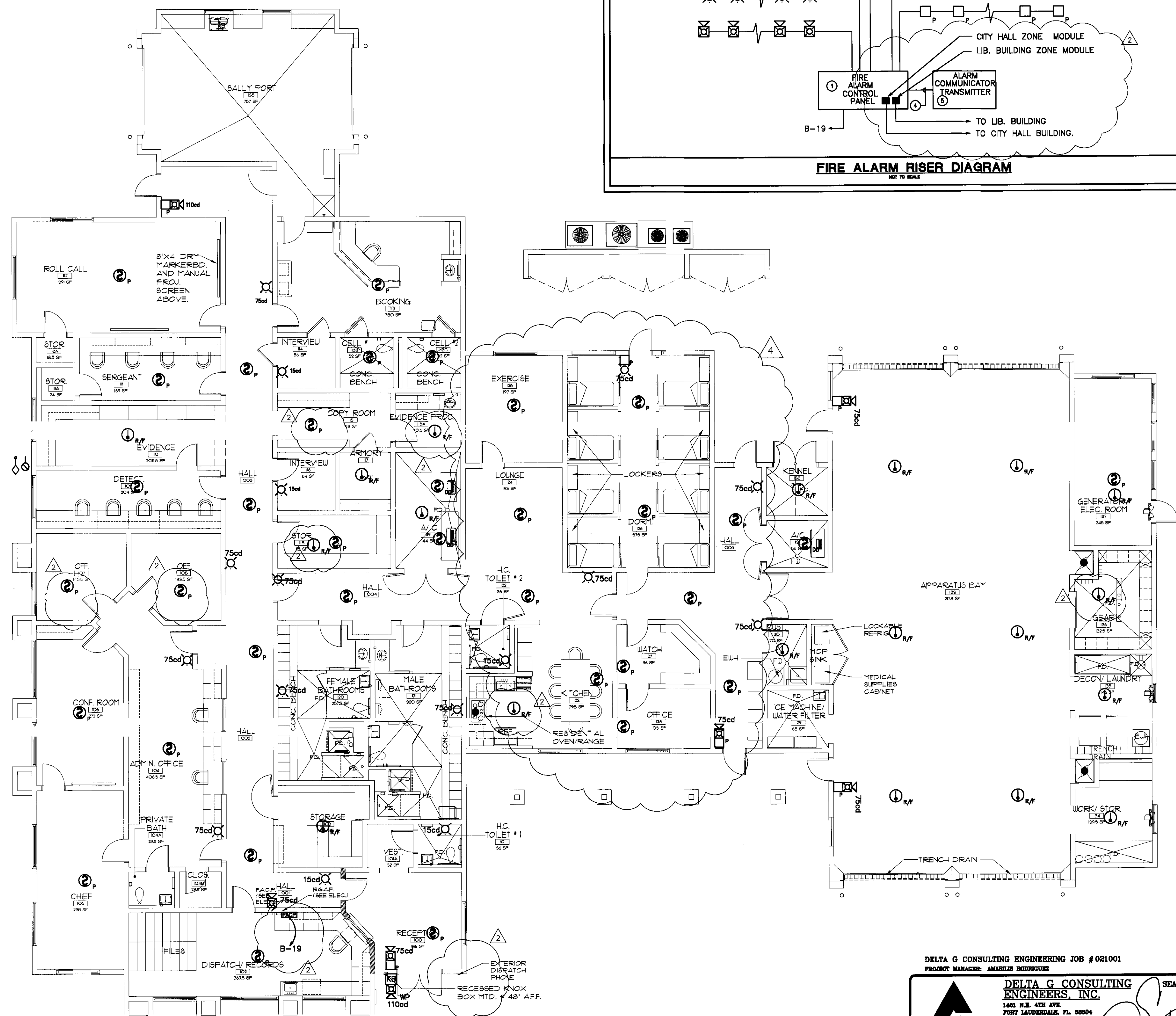
1. SHOP DRAWINGS SHALL BE PROVIDED TO THE ENGINEER PRIOR TO BEGINNING ANY WORK. SHOP DRAWINGS SHALL SHOW WIRE COUNTS, CONDUCTOR TYPES, RACEWAY LOCATIONS AND SIZES, EQUIPMENT CATALOG NUMBERS, BATTERY CALCS., AND DESCRIPTIONS CLEARLY HIGHLIGHTED TO SPECIFICALLY INDICATE WHICH PRODUCTS ARE PROPOSED FOR USE. AFTER SATISFACTORY REVIEW BY THE ENGINEER, THE CONTRACTOR SHALL SEEK APPROVAL BY THE FIRE MARSHALL. AFTER SATISFACTORY REVIEW BY THE FIRE MARSHALL WORK SHALL COMMENCE.
2. ALL COMPONENTS SHALL BEAR THE U. L. LABEL FOR FIRE SERVICE USE AND SHALL BE COMPATIBLE FOR USE WITH ALL INTERCONNECTING EQUIPMENT.
3. THE COMPLETE SYSTEM SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS, N.E.C., N.F.P.A., A.D.A., ANSI, F.B.C., AND ALL LOCAL CODES.
4. HORNS AND SPEAKERS SHALL BE OF SUCH CHARACTER AND SO LOCATED, AS TO BE CLEARLY HEARD THROUGHOUT AND ABOVE AMBIENT NOISE LEVELS.
5. MINIMUM CONDUIT SIZE SHALL BE 1/2" FOR ALL RUNS. CONDUIT SHALL LOOP ALL DEVICES AND RETURN TO F.A.C.P.
6. ALL CONDUCTORS SHALL BE COPPER AND SHALL BE SIZED FOR NO MORE THAN 1 dB LOSS. MINIMUM #18 AWG AND #14 AWG FOR HORN AND/OR STROBE CIRCUITS.
7. CONDUCTOR INSULATION FOR CABLES SHALL BE TYPE TFN. IF CABLES PENETRATE INTO OR THROUGH PLENUM AREAS USED FOR TRANSFER OF ENVIRONMENTAL AIR, THEY SHALL BE TYPE FPLP, TEFLON INSULATED TYPE.
8. THE CONTRACTOR SHALL FURNISH AND INSTALL ALL EQUIPMENT, CONDUIT SYSTEM, CONDUCTORS, DEVICES, ETC., AND ALL OTHER ACCESSORIES REQUIRED FOR AN ACCEPTABLE AND FULLY FUNCTIONAL SYSTEM.
9. FINAL CONNECTIONS BETWEEN EQUIPMENT AND WIRING SYSTEM SHALL BE MADE UNDER DIRECT SUPERVISION OF A QUALIFIED TECHNICAL REPRESENTATIVE OF THE EQUIPMENT MANUFACTURER, WHO SHALL TEST THE SYSTEM COMPLETELY AND PROVIDE A CERTIFICATE IN WRITING AS TO THE PROPER INSTALLATION AND OPERATION OF THE FIRE ALARM SYSTEM PRIOR TO FINAL ACCEPTANCE OF THE SYSTEM BY THE OWNER.
10. AS-BUILT DRAWINGS SHOWING POINT BY POINT CONNECTIONS OF ALL DEVICES AND FINAL EQUIPMENT LOCATIONS SHALL BE GIVEN TO THE OWNER UPON ACCEPTANCE OF INSTALLATION BY THE OWNER.
11. ALL EQUIPMENT SHALL BE BY FCI OR APPROVED EQUAL.
12. CONTRACTOR SHALL SUBMIT FIRE ALARM SYSTEM SHOP DRAWINGS, INCLUDE TECHNICAL DATA SHEETS TO BUILDING DEPARTMENT THAT COMPLY WITH FIRE MARSHAL'S OFFICE FIRE ALARM SYSTEM INSTALLATION REQUIREMENTS. FOR APPROVAL PRIOR TO INSTALLATION.
13. ALL DUCT SMOKE DETECTORS SHALL INITIATE A TROUBLE/SUPERVISORY SIGNAL IN THE FIRE ALARM SYSTEM NOT A FULL ALARM.

NOTE:  
ALARM STROBES AND HORNS ARE NOT BE ON THE SAME ANNUNCIATION CIRCUIT. ALARM STROBES SHALL BE ACTIVATED ON THE GENERAL ALARM AND SHALL REMAIN ON UNTIL THE FACP IS RESET.

- NOTES**
- 1 SYSTEM SHALL BE ADDRESSABLE MICRO-PROCESSOR BASED WITH POINT ANNUNCIATION, NOTIFIER
  - 2 SEE FIRE ALARM PLANS FOR DEVICE COUNT.
  - 3 INSTALL SYSTEM AS DIRECTED BY MANUFACTURERS APPROVED SHOP DRAWINGS.
  - 4 PROVIDE 1/2" CONDUIT TO TELEPHONE WOOD BACKBOARD FOR CONNECTION TO ALARM COMMUNICATIONS TRANSMITTER.
  - 5 PROVIDE SILENT KNIGHT AUTO DIALER #5104.
  - 6 PROVIDE TWO TAMPER SWITCHES BY THE BACK FLOW PREVENTOR COORDINATE WITH CIVIL DRAWING EXACT LOCATION.



**FIRE ALARM RISER DIAGRAM**  
NOT TO SCALE



**1 FIRE ALARM FLOOR PLAN**  
SCALE: 1/8" = 1'-0"

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Telephone 954.961.6806  
Facsimile 954.961.6807  
stars@synlovskigutierrez.com

REVISIONS	BY
1	COORDINATION REVISION 12/5/02
2	BUILDING DEPARTMENT REVISIONS 1/1/03
3	GENERAL REVISION 5/31/03
4	OWNER CHANGES 5/30/2003
5	R.T.G. 6/20/2003
6	FINAL COORDINATION 7/8/2003
7	COORDINATION 7/22/03

LICENSE NO.  
AA 0002708

SEAL

CITY OF PARKLAND  
PUBLIC SAFETY COMPLEX  
PARKLAND, FLORIDA

PROJECT NAME

FIRE ALARM  
FLOOR PLAN

SHEET TITLE

DRAWN  
AR

CHECKED  
GSJ/MM

DATE  
11/25/02

SCALE  
AS NOTED

JOB. NO.  
228-02-010

SHEET

**FA-1**

1 OF 1

DELTA G CONSULTING ENGINEERING JOB #021001  
PROJECT MANAGER: AMARILU RODRIGUEZ

**DELTA G CONSULTING ENGINEERS, INC.** SEAL  
1401 N.W. 47th AVE.  
FORT LAUDERDALE, FL 33304  
(954) 987-1118

GEORGE SANJUAN - ELECTRICAL  
FLORIDA LICENSE #46190  
MARCON MORABIANI - MECHANICAL  
FLORIDA LICENSE #60887

DATE: 9/15/03

September 15, 2003, 10:13 AM  
228-02-010-1.dwg  
Public Safety FA-1.dwg



# FIRE ALARM BATTERY CALCULATION

09-25-01

ITEM	DESCRIPTION	STANDBY CURRENT PER UNIT (AMPS)	X	QTY	=	TOTAL STANDBY CURRENT PER ITEM (AMPS)	X	QTY	=	TOTAL ALARM CURRENT (AMPS)		
<b>EXHIBIT F-PREC FIRE ALARM</b>												
<input type="checkbox"/> P	MANUAL PULL STATION	.0	X	1	=	.0	X	1	=	.00023		
<input checked="" type="checkbox"/> P	PHOTOELECTRIC SMOKE DETECTOR	.000230	X	3	=	.00069	X	3	=	.0195		
<input checked="" type="checkbox"/> DD	DUCT DETECTOR	.015	X	3	=	.00045	X	3	=	.021		
<input checked="" type="checkbox"/> R/F	HEAT DETECTOR	.00015	X	1	=	.00015	X	1	=	.005		
<input type="checkbox"/> FCP	FIRE ALARM CONTROL PANEL	.1	X	1	=	.1	X	1	=	.15		
<input type="checkbox"/> FSPA	FIRE ALARM SYSTEM POINT ANNUNCIATOR	.04	X	1	=	.04	X	1	=	.056		
<input type="checkbox"/> ACT	ALARM COMMUNICATIONS ANNUNCIATOR	.1	X	0	=	.0	X	0	=	.0		
<input checked="" type="checkbox"/> 15	SPEAKER/STROBE (15 CANDELA)	.0	X	0	=	.0	X	0	=	.0		
<input checked="" type="checkbox"/> 75	SPEAKER/STROBE (75 CANDELA)	.0	X	0	=	.0	X	0	=	.0		
<input checked="" type="checkbox"/> 110	SPEAKER/STROBE (110 CANDELA)	.0	X	13	=	.0	X	13	=	2.14		
<input checked="" type="checkbox"/> 15	STROBE (15 CANDELA)	.0	X	0 <sup>5</sup>	=	.0	X	0 <sup>5</sup>	=	.0		
<input checked="" type="checkbox"/> 75	STROBE (75 CANDELA)	.0	X	6	=	.0	X	6	=	.738 <sup>5</sup>		
<input checked="" type="checkbox"/> 110	STROBE (110 CANDELA)	.0	X	12	=	.0	X	12	=	1.68		
TOTAL SYSTEM STANDBY CURRENT (AMPS)						0.141	TOTAL SYSTEM ALARM CURRENT (AMPS)					
							4.642					

REQUIRED OPERATING TIME OF SECONDARY POWER SOURCE FROM NFPA 72 1-5.2.5:

STANDBY: 24 HOURS

ALARM: 5 MINUTES X 1/60 = 0.0833 HOURS








REQUIRED STANDBY TIME (HOURS)		TOTAL SYSTEM STANDBY CURRENT (AMPS)		REQUIRED STANDBY CAPACITY (AMP-HOURS)	REQUIRED ALARM TIME (HOURS)		TOTAL SYSTEM ALARM CURRENT (AMPS)		REQUIRED ALARM CAPACITY (AMP-HOURS)
24	X	0.141	=	3.39	0.0833	X	4.64	=	0.386 <sup>5</sup>

REQUIRED STANDBY CAPACITY (AMP-HOURS)		REQUIRED ALARM CAPACITY (AMP-HOURS)		REQUIRED AMPERE HOUR BATTERY	DERATING FACTOR @ 1.2		MINIMUM AMP-HOUR BATTERY REQUIRED	
3.39	+	0.386	=	3.776	X	1.2	=	4.531 <sup>5</sup>



City Hall

EXHIBIT G - CITY HALL FIRE ALARM

DEVICE LEGEND			<u>QTY.</u>
SYMBOL	DESCRIPTION	PART NO.	
FCP	FIRE ALARM CONTROL PANEL	7200 MICRO	1
FSA	FIRE ALARM ANNUNCIATOR PANEL	KDU	1
FAC	FIRE ALARM COMMUNICATOR	SK-5104	1
RPS	REMOTE POWER SUPPLY	FCPS-24F	1
 P	MANUAL PULL STATION (48"A.F.F.)	MS-6	8
 P	CEILING SMOKE DETECTOR	ASD-P	11
 DD	DUCT DETECTOR	DH500	5
	HORN/STROBE LIGHT (80"A.F.F.)	NS4-24-1575W	20
	STROBE LIGHT (80"A.F.F.)	RSS-24-1575W-FR	17
R	AUXILIARY RELAY	MR101/C	4
I	REMOTE INDICATOR /TEST SWITCH	RTS-451	5
J	JUNCTION BOX	AS REQUIRED	2
	TAMPER SWITCH	BY OTHERS	2
	WATERFLOW SWITCH	BY OTHERS	2

