



4201 N. DALE MABRY HIGHWAY
TAMPA, FLORIDA 33607

BID #10-13

FIRE PROTECTION MAINTENANCE AND SERVICE

AT

**RAYMOND JAMES STADIUM
4201 N. DALE MABRY HIGHWAY
TAMPA, FL 33607**

MANDATORY PRE-BID: THURSDAY, APRIL 22, 2010 AT 10:00 A.M.
CONFERENCE TSA BOARDROOM

BID DUE DATE: THURSDAY, MAY 6, 2010 @ 10:00 A.M.

**DELTECIA JONES
SR. PROCUREMENT ANALYST
813-350-6511**

APRIL 2 , 2010

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INVITATION TO BID

BID #10-13

SPECIFICATION FOR: Fire Protection Maintenance and Service at Raymond James Stadium

MANDATORY PRE-BID CONFERENCE: Thursday, April 22, 2010 at 10:00 a.m.

BID DUE DATE: Thursday, May 6, 2010 @ 10:00 a.m.

PLACE OF BID OPENING: Tampa Sports Authority Office

GENERAL TERMS AND PROVISIONS:

1. **BIDS:** Prices must be quoted on the sheet furnished by this department, no other will be accepted. All prices quoted F.O.B. Tampa, Florida.

The responsibility for getting the bid to the Authority on or before the stated time and date will be solely and strictly the responsibility of the bidder. The Authority will in no way be responsible for delays caused by the United States Postal Service or a delay caused by any other occurrence.

The bidder shall be responsible for reading and completely understanding the requirements and specifications of the item(s) being bid. Bid time will be and must be scrupulously observed. Under no circumstances will bids delivered after the time specified be considered. Such bids shall be returned to the vendor unopened with the notation, "THIS BID WAS RECEIVED AFTER THE TIME DESIGNATED FOR THE RECEIPT AND OPENING OF BIDS".

2. **EXCEPTIONS TO BID:** The bidder will list on a separate sheet of paper any exceptions to the conditions of this bid. This sheet will be labeled "EXCEPTIONS TO BID CONDITIONS," and will be attached to the bid proposal. If no exceptions are stated, it will be understood that all general and specific conditions will be complied with, without exception.

3. **WITHDRAWAL OF BID:** Bidders may request withdrawal of a posted sealed proposal prior to the scheduled bid opening time provided the request withdrawal is submitted to the Director of Purchasing in writing.

4. **REJECTION OF BID:** The Tampa Sports Authority reserves the right to reject any and all bids received by reason of this request.

5. **INCONSISTENCIES ON CONDITIONS:** In the event there are inconsistencies between the General Provisions and other bid terms or conditions contained herein, the former will take precedence.

6. **ADDENDA AND INTERPRETATIONS:** If it becomes necessary to revise any part of this bid, a written addendum will be provided to all bidders. The Authority is not bound by any oral representations, clarifications, or changes made in the written specifications by Authority's employees, unless such clarification or change is provided to bidders in written addendum form from the Purchasing Manager.

7. **LOWEST RESPONSIVE AND RESPONSIBLE BIDDER:** All bids will be awarded to the lowest responsive and responsible bidder. The determination of the lowest responsive and responsible bidder may involve all or some of the following factors: price, conformity to specifications, financial ability to meet the contract, previous performance, facilities and equipment, availability of repair parts, experience, delivery promise, terms of payments, compatibility as required, other costs and other objectives and accountable factors which are reasonable.

8. **DISQUALIFICATION OF BIDDERS:** Bidders may be disqualified and rejection of proposals may be recommended to the Authority for any of (but not limited to) the following causes:

- (a) Failure to use the proposal form furnished by the Authority.
- (b) Lack of signature by an authorized representative on the proposal form.
- (c) Failure to properly complete proposal.
- (d) Evidence of collusion among proposers.
- (e) Omission of proposal guarantee.
- (f) Unauthorized alteration of bid form. Authority reserves the right to waive any minor informality or irregularity.

9. **BRAND NAMES "OR EQUAL":** Whenever in this Invitation, any particular materials, process and/or equipment are indicated or specified by patent, proprietary or brand name, or by name of manufacturer, such wording will be deemed to be followed by the words "or equal". Proof satisfactory to Authority must be provided by bidder to show that the alternative product is, in fact, equal to the product required in the specifications.

10. **DISCOUNTS:** Discounts for prompt payment offered may be taken into consideration during bid evaluation. Terms of payment offered will be reflected in the space provided on the Bid Proposal forms.

11. **TAXES:** All bids submitted must show the net bid price after any and all discounts allowable have been deducted. State Sales Tax shall not be included as Authority is tax exempt. The Authority will sign Exemption Certificates submitted by the successful bidder.

12. **COLLUSION CLAUSE:** Any evidence of agreement or collusion among bidders and prospective bidders acting to illegally restrain freedom of competition by agreement to bid a fixed price, or otherwise, will render the bids of such bidders void.

Advance disclosures of any information to any particular bidder which gives that particular bidder any advantage over any other interested bidder, in advance of the opening of bids, whether in response to advertising or an informal request for bids, made or permitted by a member of the governing body of an employee or representative thereof, will operate to void all proposals of that particular bid solicitation or request.

13. **EEOC/WMBE/DM/DWBE/SBE:** The Authority is an equal employment opportunity employer and encourages the firms and contractors with whom it does business to likewise follow these principles. WMBE/DM/DWBE/SBE businesses will be afforded full opportunity to submit bids in response to this Bid and will not be discriminated against on the grounds of race, color, creed, sex or natural origin in consideration for an award.

14. **ASSIGNMENT OF CONTRACTUAL RIGHTS:** It is agreed that the successful bidder will not assign, transfer, convey or otherwise dispose of the contract or its right, title or interest in or to the same, or any part thereof, without previous written consent of the Authority and any sureties.

15. **TIMELY DELIVERY:** Time will be of the essence for any orders placed as a result of this bid. The Authority reserves the right to cancel such orders, or any part thereof, without obligation, if delivery is not made within the time(s) specified on the proposal form.

16. **DEFAULT OF CONTRACT:** In case of default by the bidder or contractor, the Authority may procure the items or services from other sources and hold the bidder or contractor responsible for any excess costs occasioned or incurred thereby.

17. **ACCEPTANCE OF MATERIAL:** The material delivered under this proposal shall remain the property of the seller until a physical inspection and actual usage of this material and/or service is made, and thereafter is accepted to the satisfaction of the Authority. It must comply with the terms herein, and be fully in accord with specifications and of the highest quality. In the event the material and/or services supplied to the Authority is found to be defective or does not conform to specifications, the Authority reserves the right to cancel the order upon written notice to the bidder and return product to bidder at the bidder's expense.

18. **IDENTICAL TIE BID:** Preference shall be given to businesses with drug-free workplace programs. Whenever two or more bids which are equal with respect to price, quality and services are received by the Authority for the procurement of commodities or contractual services, a bid received from a business that certifies that it has implemented a drug-free workplace program shall be given preference in the award process. In order to have a drug-free workplace program, a business shall:

- a. 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.
- b. Inform employees about the dangers of drug abuse in the workplace, the business's 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.
- c. Give each employee engaged in providing the commodities or contractual services that are under bid a copy of the statement specified in Subsection 1.
- d. 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 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.

- e. 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.
- f. Make a good faith effort to continue to maintain a drug-free workplace through implementation of this section.

19. **DAMAGE:** In the event any materials, equipment or other property of the Authority shall be damaged or destroyed by personnel furnished by Contractor, Contractor shall, at its own expense, promptly repair or replace same to the complete satisfaction of Authority.

20. **LICENSES AND PERMITS:** In the performance of these services, Contractor will fully comply with all the laws and regulations of all Federal, State, County, City and of other governmental authorities or agencies as required by reason of these services or duties to be performed hereunder. Contractor will hold Authority harmless from any liability which may be imposed upon Authority by reason of any alleged violation of the law by contractor, or for failure to pay taxes or secure necessary licenses or permits.

21. **EMPLOYEE CONFLICT:** The Tampa Sports Authority will not contract with persons, firms or corporations where an Authority officer or employee's spouse or child is an officer, partner, director, or proprietor or in which such officer or employee or the officer's or employee's spouse or child, or any combination of them, has a material interest".

22. **CONVICTED VENDOR LIST:** A person or affiliate who has been placed on the convicted vendor list following a conviction for a public entity crime may not submit a bid on a contract to provide any goods and 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 a public entity, may not be awarded or perform work as a contractor, supplier, subcontractor, or consultant under a contract with any public entity, and may not transact business with any public entity in excess of the threshold amount provided in s. 287.017 for CATEGORY TWO for a period of 36 months from the date of being placed on the convicted vendor list.

23. **PARTIAL BID:** Bidders may submit partial bids for one or more items. Tampa Sports Authority reserves the right to award to multiple vendors.

24. **OTHER AGENCIES:** All Bidders awarded contracts from this Proposal may, upon mutual agreement, permit any municipality or other governmental agency to participate in the contract under the same prices, terms and conditions, if agreed to by both parties.

It is understood that at no time will any city, county, municipality or other agency be obligated for placing an order for any other city, county, municipality or agency; nor will any city, county municipality or agency be obligated for any bills incurred by any other city, county, municipality or agency. Further, it is understood that each agency will issue its own purchase order to the awarded Bidder(s).

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

Vendor's Signature

INSTRUCTION TO BIDDERS

1. Each bidder shall present a sealed opaque envelope, identified with the project name and contractor's name. Bids must be delivered to the TSA office, as listed within this bid document, on or before the due date and time specified.
2. Bids shall be signed in ink by an official of the firm submitting the bid. The bid submitted by a partnership shall list the name of all partners and shall be signed in the partnership name by one of the members of the partnership.
3. Bids which have been submitted may not be modified or withdrawn after submission. Negligence on the part of the bidder in the preparation of his bid shall not be grounds for the modification or withdrawal of a bid after the time set for bid opening.
4. A Mandatory Pre-Bid Conference is scheduled for Thursday, April 22, 2010 at 10:00 a.m. The conference will be held at the offices of the Authority located at 4201 N. Dale Mabry Highway, Tampa, FL 33607 (Raymond James Stadium). Entrance to the stadium is granted at Himes Avenue, through Entrance "B", only. Please plan to arrive on-time to the conference. Any person/company representative who arrive 15 or more minutes past the start time for the Mandatory Pre-Bid Conference will not be allowed to attend unless it is deemed by Authority staff to be acceptable. If you are late due to unforeseen circumstances, please call ahead to and make Purchasing aware of your intended arrival time. TSA staff can be reached by dialing (813) 350-6500.

INSURANCE REQUIREMENTS

During the life of this Agreement, the Licensee shall provide, pay for, and maintain with companies satisfactory to the Authority, the types of insurance described herein. All insurance shall be from responsible insurance companies eligible to do business in the State of Florida. All Liability Policies shall provide that the Authority, the City of Tampa, and Hillsborough County are additional insured but solely in accordance with and subject to the indemnification provisions set forth in paragraph 20 above as to the operations of the Licensee under this Agreement and shall also provide the Severability of Interest Provision. The insurance coverage and limits required must be evidenced by properly executed Certificates of Insurance on forms which are to be approved by Licensor and furnished by the Authorized Representative of the insurance company shown in the Certificate with proof that he/she is an authorized representative thereof. In addition, certified, true and exact copies of all insurance policies required shall be provided the Authority if requested on a timely basis.

Thirty (30) days prior written notice by registered or certified mail shall be given the Authority of any cancellation or reduction in the policies' coverage except in the application of the Aggregate Limits Provisions. In the event of a reduction in any Aggregate Limit, the Licensee shall take immediate steps to have it reinstated. If at any time the Authority requests a written statement from the insurance company as to any impairments to the Aggregate Limit, the Licensee shall promptly authorize and have delivered such statement to the Authority. Licensee shall make up any impairment when known to it. The Licensee authorizes the Authority and its Insurance Consultant to confirm all information furnished the Authority, as to its compliance with its insurance carriers. As to the operations of the Licensee, all insurance coverage of the Licensee shall be primary to any insurance of self-insurance program carried by the Authority.

The acceptance of delivery to the Authority of any Certificate of Insurance evidencing the insurance coverage and limits required in the Agreement does not constitute approval or agreement by the Authority that the insurance requirements in the Agreement have been met or that the insurance policies shown in the Certificate of Insurance are in compliance with the Agreement requirements.

No operations under this Agreement shall commence at the site until the required Certificate of Insurance is received and has been approved by the Authority. Evidence of such insurance approval will be provided to Licensee by the Authority in a Notice to Proceed.

If any General Liability Insurance required herein is to be issued or renewed on a "claims made" form as opposed to the "occurrence" form, the retroactive date for coverage shall be no later than the commencement date of this Agreement and shall provide that in the event of cancellation or non-renewal the discovery period for insurance claims (Tail Coverage) shall be unlimited.

All of the required insurance coverage shall be issued as required by law and shall be endorsed, where necessary, to comply with the minimum requirements contained herein. Thirty (30) days prior written notice by certified or registered mail shall also be given to:

**Mrs. Jeanette Baker
Director of Finance/Administration
Tampa Sports Authority
4201 N. Dale Mabry Hwy.
Tampa, Florida 33607**

as to cancellation of any policy and any change that will reduce the insurance coverage required in this Agreement except for the application of the Aggregate Limits Provisions.

Should at any time the Licensee not, in the opinion of the Authority, provide or maintain the insurance coverage required in this Agreement, the Authority may terminate or suspend this Agreement.

The amounts and types of insurance shall conform to the following minimum requirements with the use of Insurance Service Office (ISO) policies, forms, and endorsements or broader where applicable. Notwithstanding the foregoing, the wording of all policies, forms, and endorsements must be acceptable to the Authority.

INSURANCE COVERAGE AND LIMITS

- A. **Workers' Compensation and Employers' Liability Insurance** shall be maintained in force during the term of this agreement for all employees of Licensee engaged in this Work under this Agreement, in accordance with the laws of the State of Florida. The amount of the Employers' Liability Insurance shall not be less than:

Workers' Compensation	Florida Statutory Requirements
Employers' Liability:	\$100,000 Limit Each Accident
	\$500,000 Limit Disease Aggregate
	\$100,000 Limit Disease Each Employee

- B. **Commercial General Liability Insurance** shall be maintained by the Licensee. Coverage shall include, but not be limited to, Premises and Operations, Personal Injury, Contractual for the Agreement, Independent Contractors, Broad Form Property Damage including Completed Operations, and Products & Completed Operations Coverage and shall not exclude coverage for the "X" (explosion), "C" (collapse) and "U" (underground) Property Damage Liability exposures.

Limits of Coverage shall not be less than:

Bodily Injury, Personal Injury, & Property Damage Liability:

\$1,000,000 Combined Single Limit Each Occurrence and Aggregate

\$1,000,000 Each occurrence and Aggregate for Liability under this Specific Agreement. The Aggregate limits shall be separately applicable to this specific event.

Should the Licensee's General Liability Insurance be written or renewed on the Comprehensive General Liability Form, then the limits of coverage required shall not be less than:

Bodily Injury, Personal Injury & Property Damage Liability:

\$1,000,000 Combined Single Limit Each Occurrence


- C. **Automobile Liability Insurance** shall be maintained by the Licensee as to the Ownership, maintenance, and use of all owned, non-owned, leased or hired vehicles to be used for the event with limits of not less than:

Bodily Injury & Property Damage Liability:

\$1,000,000 Combined Single Limit Each Occurrence

Certificate of Insurance

In consideration of the premiums charged on the insurance policies shown in this certificate, this certificate of insurance is issued to the certificate holder shown below. This certificate does not amend, extend or alter the coverage afforded by the policies listed below except as shown below.

NAME AND ADDRESS OF AGENCY		INSURERS PROVIDING COVERAGES			
		COMPANY LETTER A			
		COMPANY LETTER B			
		COMPANY LETTER C			
		COMPANY LETTER E			
NAME AND ADDRESS OF INSURED		COMPANY LETTER C			
		COMPANY LETTER D			
		COMPANY LETTER E			
		<p>This is to certify that the insurance policies listed below have been issued to the insured and are in force at this time. It is agreed that none of these policies will be cancelled or changed so as to reduce the coverages described by this certificate until after 30 days advanced written notice of such cancellation or change has been delivered to the certificate holder at their address shown below. It is also agreed that 30 days advanced written notice by the insurance companies listed above of their intent not to renew their policies listed below for the same coverages provided in this certificate will be given to the certificate holder at its address shown below. The policies shown in this certificate are primary to any insurance carried by the certificate holder or any self-insurance program thereof for this specific location, project or event.</p>			
COMPANY LETTER	TYPE OF INSURANCE	POLICY NUMBER	POLICY EFFECTIVE DATE (MM/DD/YY)	POLICY EXPIRATION DATE (MM/DD/YY)	ALL LIMITS IN THOUSANDS
	GENERAL LIABILITY <input type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS MADE <input type="checkbox"/> OCCURRENCE <input type="checkbox"/> OWNER'S & CONTRACTORS PROTECTIVE <input type="checkbox"/> X.C.U. COVERAGES <input type="checkbox"/> BROAD FORM PROPERTY DAMAGE <input type="checkbox"/> INDEPENDENT CONTRACTORS				EACH OCCURRENCE \$ FIRE DAMAGE (ANY ONE FIRE) \$ MEDICAL EXPENSE (ANY ONE PERSON) \$ PERSONAL & ADV. INJURY \$ GENERAL AGGREGATE \$ PRODUCTS (CMP/DPS) AGGREGATE \$ SPECIFIC GENERAL AGGREGATE * \$ (SEE BELOW)
	AUTOMOBILE LIABILITY <input type="checkbox"/> ANY AUTO <input type="checkbox"/> ALL OWNED AUTOS <input type="checkbox"/> SCHEDULED AUTOS <input type="checkbox"/> HIRED AUTOS <input type="checkbox"/> NON-OWNED AUTOS				BODILY INJURY (EACH PERSON) \$ BODILY INJURY (EACH ACCIDENT) \$ PROPERTY DAMAGE \$ BODILY INJURY AND PROPERTY DAMAGE COMBINED \$
	EXCESS LIABILITY <input type="checkbox"/> UMBRELLA FORM <input type="checkbox"/> OTHER THAN UMBRELLA FORM <input type="checkbox"/> CLAIMS MADE <input type="checkbox"/> OCCURRENCE				BODILY INJURY AND PROPERTY DAMAGE COMBINED \$ \$
	WORKERS' COMPENSATION and EMPLOYERS' LIABILITY				WC - STATUTORY \$ E.L. EACH ACCIDENT \$ E.L. DISEASE - EA. EMPLOYEE \$ E.L. DISEASE - POLICY LIMIT \$
	OTHER				
<input type="checkbox"/> Contractual Liability Coverage, Description of Contract: <input type="checkbox"/> The Tampa Sports Authority, City of Tampa, Florida and Hillsborough County, Florida, have been named as respects the General, Automobile, and Excess Liability Policies described herein. <input type="checkbox"/> The General, Automobile, and Excess Liability Policies described herein provide the severability of interest (separation of insureds) provision applicable to the named insured and the Authority. <input type="checkbox"/> Proof of representation, with each insurance company named above, must be attached to this certificate for the authorized representative.					
DESCRIPTION OF OPERATIONS/LOCATIONS/VEHICLES/SPECIAL ITEMS					
* SPECIFIC PROJECT/LOCATION LIABILITY LIMITS APPLICABLE TO: _____					
NAME AND ADDRESS OF CERTIFICATE HOLDER: 02-01-00  Tampa Sports Authority RAYMOND JAMES STADIUM 4201 NORTH DALE MABRY HIGHWAY TAMPA, FLORIDA 33607 TELEPHONE (813) 350-6500 / FAX (813) 873-4308		Date Issued _____ Authorized Representative _____ Type Name _____ Address _____ Telephone # _____ FAX # _____			

SPECIAL PROVISIONS

FIRE PROTECTION MAINTENANCE & SERVICE **AT RAYMOND JAMES STADIUM**

I. PURPOSE

- A. The purpose of this Invitation to Bid is to describe the requirements of Tampa Sports Authority and Raymond James Stadium for general and miscellaneous maintenance services for the existing fire protection equipment. (See attached specifications on Fire Protection Equipment)

II. SCOPE

- A. The scope of the contract shall include furnishing all materials, equipment, vehicles and labor necessary to repair, replace and provide general fire protection Service maintenance. The Authority reserves the right to furnish any and all materials.
- B. The successful bidder agrees to respond on an emergency basis to temporarily disconnect and/or secure fire protection systems that malfunction due to wear, tear or other acts unforeseen. This emergency response is protection to citizens and Authority property where delays could cause damage to the system if left unattended for an inordinate time. For the purpose of this contract, an emergency response is defined as a response within four (4) hours of notification.
- C. The general fire protection maintenance work shall include all areas of Raymond James Stadium.

III. GENERAL CONDITIONS

- A. The Authority reserves the right to inspect completed work for compliance with applicable codes and workmanship. Work found to be unsatisfactory shall be corrected within forty-eight (48) hours of notification. If not completely satisfactorily, the Authority reserves the right to terminate said Contract.
- B. All work shall be authorized by the Owner/Representative or his designee. The Contractor shall provide a written estimate for each work assignment, which shall include how many man hours will be required, and any materials or rental equipment required. If the Owner determines the estimate to be acceptable, a written Purchase Order will be issued as authorization to proceed with the work. If the estimate is unacceptable, no work shall be performed until acceptable terms have been established and authorization provided by the Owner.
 - 1. A Blanket Purchase Authorization (BPA) will be issued for the full term of the Contract. Release Purchase Authorizations will then be issued for individual jobs.

- C. Licenses and Permits: The Contractor must have and maintain, at his expense, all necessary and applicable licenses and permits. The Contractor must be licensed by the City of Tampa or Hillsborough County to do any fire protection maintenance. The Contractor must be active, valid, certified or registered. A copy of the Contractor's license should be submitted to the Authority's Purchasing Department with their bid proposal.
- D. Codes: All work shall comply with the designated city of county codes.
- E. The Contractor must have at least five (5) years of fire protection service experience. The Contractor shall provide at least five (5) references documenting their successful experience with fire protection with their Proposal.
- F. The Contractor must be equipped to complete work in a timely period. For any major repairs that cannot be completed within a timely period, the Contractor must notify the Owner of the problem and give the time frame for completion. Additional time may be authorized if approved by the Owner.
- G. The Contractor shall have sufficient and qualified personnel available at all times to perform the work assigned when requested by the owners. The Contractor must have qualified personnel assigned to this Contract who are licensed in the City of Tampa, County of Hillsborough and State of Florida.

IV. LABOR RATES

- A. The labor rates for fire protection Maintenance are to include, but limited to: wages, fringe benefits, overhead and vehicle required for the performance of work.

V. PAYMENT

- A. When submitting an invoice for payment, the following procedures should be used:
 1. Number of man hours and unit price rate for each category of labor.
 2. Other materials used and their cost to the Authority. The cost will include actual cost by invoice. Contractor shall include a copy of the invoice (s) for other materials.
 3. Other equipment and their cost to the Authority: This cost will include the actual cost by invoice. Contractor shall include copy of the invoices (s) for other equipment.

VI. CONTRACT TERM AND OPTION

- A. This Contract shall be in effect for a three (3) year period beginning July 1, 2010 through June 30, 2013. This Contract may be extended for one (1) additional one (1) year period at the sole option of the Authority at the same terms and conditions as the original Contract to be effective July 1, 2013 through June 30, 2014.

VII. NON-EXCLUSIVE CONTRACT

- A. This is a non-exclusive Contract. The Authority reserves the option to purchase any service, materials or equipment from an alternate source.

TECHNICAL SPECIFICATIONS

PART 1 - GENERAL

1.1 WORK INCLUDED

- A. Provide a complete fire protection system as indicated on the Drawings and as specified herein consisting of the following but not limited thereto.
 - 1. Class III standpipe system.
 - 2. Fire sprinkler system.
 - 3. Fire pump, jockey pump and controllers.
- B. It is the intent of this Specification for the Contractor to provide complete hydraulically designed wet and dry pipe sprinkler systems for the areas indicated in these Specifications and shown on the Contract Drawings. Furnish all design, material, and labor to complete the contract within the intent of these Specifications and Contract Drawings even though each and every item necessary is not specifically mentioned or shown.

1.2 QUALITY ASSURANCE

- A. Contractor Qualifications: Work shall be performed by a Contractor regularly engaged in the design and installation of fire protection systems in accordance with the National Fire Codes (NFC) requirements and having at least three (3) years continuous experience in this type of work. Experience shall include projects of similar type, size and complexity. Contractor must be licensed by the Florida Fire Marshal's Office.
- B. Design Criteria: Provide fire protection systems of types, pressure, flow and densities as per the NFC and regulatory agency requirements.
 - 1. Systems shall be calculated and of configuration acceptable to regulatory agencies.
 - 2. Designated Code Consultant's report and conferences with City of Tampa officials.
- C. Pipe size shown on drawings may be larger than minimum required. This is to accommodate additional partitioning. Do not reduce sizes.
- D. Requirements of Regulatory Agencies: Total system shall be acceptable upon completion and testing to the following:
 - 1. City of Tampa Building Department.
 - 2. City of Tampa Fire Marshal's Office.
 - 3. Owners insurance carrier's requirements.
- E. Certificate of Installation: Submit certificate upon completion of fire protection work, stating that the work has been completed and tested in accordance with the specified standards, that there are no defects in the system and it is operational.

1.3 CODES AND STANDARDS

- A. Comply with local fire department regulations and with the following:
1. General.
 - a. Southern Building Code.
 - b. National Fire Codes.
 2. Standpipe System.
 - a. Southern Building Code.
 - b. NFPA-14, 1996.
 3. Sprinkler System.
 - a. Southern Building Code.
 - b. NFPA-13, 1996
 4. Fire Pump.
 - a. NFPA-20, 1996
 5. Underground System.
 - a. NFPA-24, 1995.
 6. Local Water Department
- B. All materials and equipment used in the installation of the fire protection system shall be as approved in the Underwriters' Laboratories list of inspected fire protection equipment and materials, or the Factory Mutual Laboratories list of approved equipment and fire protection devices involving fire hazard, and shall be the latest product of the manufacturer, and shall bear their label.

1.4 SUBMITTALS

- A. Submittal data shall be submitted for review to the Architect prior to the start of installation:
1. Material and equipment information shall include catalog cuts and technical data for each system component or device. This shall include, but not be limited to piping, fittings, globe and angle valves, O. S. & Y. Valves, butterfly valves, check valves, automatic sprinkler heads, escutcheons, hangers, flow switches, tamper switches, dry pipe valves, alarm valves, air maintenance device, air compressor, fire pump, fire pump controller, jockey pump, and jockey pump controller.
 2. Shop drawings shall be accurately drawn to 1/4 scale. Additional plans showing main pipe runs at 1/32"=1'-0" shall be submitted. Drawings shall reckon with all building components and show routing of piping to clear same. Drawings shall be

accurately dimensioned to show proposed location of all fire protection system components. System design shall be completely coordinated with the architectural, structural, mechanical, and electrical features of the building. In all areas, reflected ceiling plans shall be prepared showing the location of sprinklers, lights, diffusers, grills, etc.

- B. Submit complete sets of brochures for the material and equipment proposed for this installation to the Architect/Engineer for approval. Include catalog cuts, diagrams, drawings, and such other descriptive data as may be required to clearly show what is intended to be installed and how. In the event any items of material or equipment contained in the schedule fail to comply with the specifications, such items may be rejected.
- C. Submit sets of blueprints and hydraulic calculations and one (1) set of reproducible(s) of the complete shop drawings of the fire protection system to the regulatory agencies having jurisdiction. After approvals are obtained, submit the drawings and hydraulic calculations to the Architect for review. Written approval of the Architect must be obtained before purchasing or installing any equipment.
- D. Provide a schedule of all systems indicating individual system volume.
- E. Approval of submittals will not relieve the Contractor of the responsibility for correcting any errors which may exist or for meeting requirements of the specifications. No partial submittals will be accepted.
- F. A set of approved installation conditions which are different from the approved drawings.

1.5 DESIGN REQUIREMENTS

- A. It is the Contractor's responsibility to coordinate all components of the fire protection system with all other features of the building and its other systems. Make adjustments as required to make the system function as required by code and the Construction Documents. If changes are significant and may affect the hydraulic design, the Contractor shall submit revised hydraulic calculations. All costs shall be included in the bid.
- B. It shall be the Contractor's responsibility to provide electrical service to this Division's equipment requiring electrical service which is not provided on the Division 16 drawings.

1.6 WATER SUPPLY

- A. The water supply, as shown on the drawings, will be installed under another Division of the work and will provide a flange connection inside the building for the fire protection system. The fire protection Contractor shall make the required connection at this point for the fire protection system.

1.7 WARRANTIES

- A. The entire new system shall be warranted to be free from defects for a period of one (1) year from the date of Notice of Acceptance.

1.8 PROJECT RECORD DOCUMENTS

- A. Upon completion of the work, the Contractor shall revise all fire protection drawings to agree with the construction as actually accomplished and stamp "As-Built". Those drawings where no change is involved shall be likewise stamped. These "As-Built" drawings shall show the fire protection system as it existed at the completion of the contract work.

1.9 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including the General Conditions of the Contract and Supplementary General Conditions and Division 1 - General Requirements, apply to work of this Section.
 - 1. Electrical work as covered under Division 16 - Electrical applies to work in this division.

PART 2 - PRODUCTS

2.1 GENERAL

- A. Unless otherwise shown on the contract drawings or specified herein, all materials, valves, and equipment used in the installation of the fire protection system shall be UL listed or FM approved, and shall be new and of the latest design of the manufacturer. They shall be installed in conformance with their listing and per the manufacturer's recommendations.

2.2 PIPE AND FITTINGS

- A. All Levels
 - 1. Wet and dry pipe systems: Schedule 40 black steel pipe for 2 inches and smaller pipe. Schedule 40 for sizes up to and including 6 inches, and Schedule 30 for 8 inches. This wall pipe may be used when in conformance with NFPA 13 for sizes 2-½ inches and larger. Threadable light wall pipe will not be acceptable.
- B. Pipe joints: Screwed, flanged, welded or groove-type joints. Welded joints are not acceptable in pipe less than 2" in diameter. All welding to be performed by certified welders.
- C. Fittings:
 - 1. All fitting systems shall be rated, UL listed and FM approved for cold water working pressures of 175 psi.
 - 2. Screwed fittings shall be cast iron suitable for 175 psi cold water working pressure and so rated.
 - 3. Groove type couplings and fittings shall be as manufactured by Gustin Bacon, Victaulic, Grinnell or approved equal. Couplings in dry pipe systems must be UL listed for dry-pipe service.
 - 4. Prohibited fittings: "Pressfit", "FIT", saddle taps.

D. Provide escutcheons on penetrations of interior walls.

2.3 BUTTERFLY VALVES

A. Butterfly valves shall be furnished with worm gear type indicating operator to assure slow closing. Valves shall have a completely sealed shaft, integral flange seals, and hex drive.

2.4 O.S. & Y. VALVES

A. Outside stem and yoke gate valves shall be of the wedge disc type, shall permit straight line flow and complete shut-off, and shall be so designed that the valves can be packed under pressure when wide open. Valve shall be iron body, bronze trim, flanged or screwed ends, with rising stem and rated 175 psi non-shock cold water service.

2.5 CHECK VALVES

A. All swing check valves shall be 175 psi non-shock cold water service, iron body, bronzed trim, horizontal swing with renewable bronze seat and rings. All check valves two (2) inches and smaller shall be bronze, screwed, horizontal swing type. All check valves two and one half (2-½) inches and larger shall be flanged or grooved type.

B. All water check valves shall be 175 psi working pressure, iron body with spring actuated double bronze plate and rubber seat.

2.6 GLOBE AND ANGLE VALVES

A. Valves shall be furnished with renewable disc, non-shock, and shall back seat in the fully opened position to allow re-packing under full pressure without removing the valve from the line. Valve shall be rated for 175 psi working pressure.

2.7 AIR COMPRESSORS

A. Maintenance air compressors shall be electric motor driven, air cooled, single stage, oil-less design. Size compressor in conformance with NFPA 13 and as required.

2.8 VALVE SUPERVISORY SWITCHES

A. Approved manufacturers: Notifier, Potter-Roemer or equal.

B. All valves which control water to automatic sprinkler heads or standpipes shall be equipped with supervisory switches having one normally open contact and one normally closed contact. Switch shall be approved for use on the type of valve to be monitored.

2.9 FLOW SWITCHES

A. All flow switches shall be field adjustable vane type with pneumatic retard and 175 psi working pressure. Units shall be suitable for installation by drilling pipe and securing with U-Bolt furnished with the switch. Units shall be single pole double throw, suitable for 24

volt D.C. service with one normally open contact and one normally closed contact. Waterflow switches shall be adjustable so that the device will transmit a waterflow alarm within 30 seconds of opening the inspector's test valve on the sprinkler system. Must include a tamperproof cover that sends a signal when cover is removed.

2.10 DRY PIPE VALVE

- A. Dry pipe valve shall separate system water supply from the air filled system piping. Valve shall have flanged or grooved connections, gasketed hand hold cover, brass-to-neoprene air seat, brass-to-brass water seat, spring-loaded clapper with full open latch. Provide all accessories including angle valves, globe valves, pipe nipples and fittings, water and air pressure gauges, accelerator or exhauster, pressure switch with retard, and low air alarm device and panel.

2.11 AUTOMATIC FIRE SPRINKLER HEADS

- A. Sprinkler heads shall be ordinary temperature rating except for heads in areas of high temperature and in close proximity to heat sources which shall be temperature rated in accordance with NFPA 13.
- B. Sprinkler heads in suspended ceilings shall be pendant type, semi-recessed chrome plated brass with chrome escutcheons.
- C. Sprinkler heads in "high finish" areas shall be flush concealed pendant type. "High finish" areas include all club spaces and suites.
- D. Sprinkler heads in exposed areas shall be upright type, standard brass.
- E. Sprinkler heads in areas of which expose them to possible mechanical injury shall be equipped with wire guards.
- F. Quick response sprinkler heads shall be provided throughout the Service Level and Concessions.
- G. Sprinkler heads shall be extended coverage type where required on Drawings.
- H. Supply Owner and extra stock of 24 sprinklers minimum, at least three (3) of each type, and required special sprinkler wrenches. Provide a wall mounted twelve head "spare sprinkler" cabinets. Provide additional heads that may be required by NFPA 13.

2.12 FIRE DEPARTMENT CONNECTIONS

- A. The Fire Department connections shall be chrome plated brass, flush type.
- B. Provide as shown on the drawings. Furnish with National Standard Thread as directed by the local fire department and of size shown on the drawings.

2.13 FIRE PUMP

- A. Approved manufacturers: Fairbanks Morse, Aurora, Allis Chalmers, Peerless, Patterson.
- B. Construction:
 - 1. The pump shall be of the centrifugal, base-mounted type; capacity as shown on the drawings.
 - 2. Pump shall be of the horizontally split case double-suction design. Casing shall be configured to allow complete service and removal of impeller without disconnecting suction or discharge piping.
 - 3. Pump and driver shall be mounted on a common fabricated steel base. Motor or pump connection shall be of the flexible coupled type.
 - 4. Pump shall meet all requirements of NFPA Standard 20. The pump shall be listed for fire protection service by Underwriters' Laboratories, Inc.
 - 5. Pump shall be equipped with grease lubricated ball bearings.
 - 6. Motor shall be drip-proof. The horsepower of the motor shall be of such a size as to ensure non-overloading of the motor throughout the capacity range of the pump. Locked rotor and full load amps to be in conformance with NFPA 20.
- C. Accessories:
 - 1. Compound suction gauge.
 - 2. Discharge pressure gauge.
 - 3. Casing relief valve.
 - 4. Automatic air release.
 - 5. Coupling guard.
 - 6. Test-Header with hose valves. Ductile iron or brass, horizontal flush-wall mounting with brass escutcheon plate. Escutcheon plate to be chrome plated.
 - 7. Main relief valve.
- D. Manufacturer of pumps shall assume unit responsibility and shall provide the services of a factory trained engineer to supervise installation, train Owner and be available to conduct final field acceptance tests.

2.14 FIRE PUMP CONTROLLER

- A. Approved manufacturers: Firetrol, Metron, Master, Joslyn Clark.
- B. The controller shall be of the combined manual and automatic type designed for closed transition, auto-transformer reduced voltage starting of the fire pump motor of horsepower and voltage indicated on plans.
- C. Features:
 - 1. Disconnect switch, externally operable.
 - 2. Adjustable set-point pressure switch.
 - 3. Motor starter energized automatically through pressure switch or manually by an externally operable handle.
 - 4. Minimum running period timer.

5. Pilot lamps:
 - a. Power available.
 - b. Local start.
 - c. Phase failure.
 - d. Phase reversal.
 - e. Pump running.
 6. Circuit breaker.
 7. Automatic transfer switch from normal to emergency power.
- D. The fire pump motor controller and automatic transfer switch (ATAS) shall be combined and completely assembled, wired and tested by the manufacturer before shipment from the factory. The controller/ATS shall be of the combined manual and automatic for 460 volts, 3 phase, 60 hertz power, in a NEMA type 2 drip-proof enclosure and shall be complete with: externally operable-disconnect switch, circuit breaker, and an interrupting capacity as required; auto-transformer reduced voltage starter, pressure switch, pilot lamp to indicate circuit breaker closed and power available, ammeter test link and volt-meter test studs; and a pressure recorder assemble.
- E. Provide interface contracts to FACP.
1. Status Indicators:
 - a. Pump running.
 - b. Loss of line power.
 - c. Phase reversal.
 - d. Pump failure.
 2. Controls:
 - a. Remote pump start switch.

2.15 JOCKEY PUMP

- A. Provide a pressure maintenance pump to make-up the allowable leakage rate in the system complete with pump driver, controller, and accessories. The pump shall be of size and capacity indicated on the drawings.
- B. The jockey pump shall be of the centrifugal or peripheral turbine base-mounted type especially designed and constructed for quiet operation.
- C. Jockey pump shall be bronze fitted.
- D. Motor shall be drip-proof. The current characteristics of the motor shall be as shown on the drawings. The horsepower of the motor shall be of such a size as to insure non-overloading of the motor throughout the capacity range of the pump.

- E. Jockey Pump controller shall be equipped with fusible disconnect switch, full voltage magnetic starter, "H-O-A" switch, run period timer, pressure switch, and control circuit transformer.

2.16 PRESSURE-REGULATING HOSE VALVES

- A. All standpipe outlet hose valves shall be 2-½ inches, 300 psig minimum rating, polished brass. Include 90° angle pattern design, female NPS inlet and male hose outlet, and lugged cap, gasket, chain, and 2-½ x 1-½ inch reducer.

2.17 TEST AND STATUS CONNECTIONS

- A. Furnish and install test connections for fire protection systems and pipe to appropriate drains.
- B. Furnish and install O.S.&Y. valves with tamper switches and drain connections as sectional control valves at the bottom of each standpipe. Furnish and install 0 to 200 psi pressure gauges with shut-off valves at the top of each riser. Furnish and install floor control valve assemblies on each standpipe as shown on the drawings.

2.18 SIGNAGE

- A. Nameplate data information: The nameplates shall be installed on each main riser and shall include the following design data: riser designation, location of remote area, design density, area of application, and system demand (GPM and PSI at base of riser).
- B. Control valve signs: The Contractor shall provide a description sign, minimum dimensions seven (7) inches by nine (9) inches, for every isolation valve in the system. Signs shall be single faced, white letters on a red background, with a space designating who to notify if valve needs to be closed. Signs shall be fastened to each control valve with lightweight chain.
- C. Miscellaneous signs: These signs for alarm test valves, main drains, auxiliary drains, etc. shall have minimum dimensions of two (2) inches by six (6) inches. Signs shall be single faced, white letters on a red background. Each sign shall be fastened to each valve with lightweight chain.

2.19 FIRE HOSE

- A. Provide, and store in Fire Command Center, four lengths of 2-½ inches by 100 feet of synthetic thread, rubber lined fire hose. Provide cabinet for storage.

PART 3 - EXECUTION

3.1 PREPARATION

- A. The Contractor shall investigate the conditions affecting the work and shall arrange his work accordingly, providing such fittings, valves, and accessories as may be required to meet such

conditions. The Contractor shall field verify all dimensions and conditions governing his work at the building. Materials shall not be fabricated or delivered to the site before the approved submittals have been received by the Contractor.

3.2 GENERAL INSTALLATION

- A. The Contractor shall investigate the structural and finish conditions affecting the work and shall arrange his work accordingly, providing such fittings, valves, and accessories as may be required to meet such conditions. The Contractor shall field verify all dimensions and conditions governing his work at the building. Materials shall not be fabricated or delivered to the site before the approved shop drawings and equipment submittals have been received by the Contractor.
- B. Entire installation shall be in accordance with approved shop drawings. When unforeseen job site conditions will not permit piping to be installed as shown on the drawings, necessary changes will be made to accomplish a coordinated system without additional cost to the Owner, even though pipe may have been delivered to the site cut to predetermined lengths.
- C. Provide gate valves of size and at locations shown on the drawings and any additional valves that might be required by local authorities. Locate all valves where readily accessible. Provide permanent ladders for all valves not accessible from the floor. All main line valves shall be electrically monitored.
- D. Provide check valves of size and at location shown on the drawings and any additional check valves that might be required by local authorities.
- E. Provide valve test drains as required by NFPA. Pipe test drains to spill on grade whenever possible or to nearest floor drain.
- F. Make provisions to drain all parts of the piping system.
- G. The hydraulic calculations shall be performed in accordance with the requirements of NFPA and 14. The Contractor shall calculate the demand point for the system so that it remains ten (10) percent below the final water supply curve at the connection to the public water system.
- H. The sprinkler system piping shall provide the following densities:
 - 1. For offices, restrooms, lockers, sky boxes, lounges, meeting areas and similar light hazard occupancies, a minimum of .1 gpm per sq. ft. for any and most remote 1500 sq. ft.
 - 2. For walk-in coolers, kitchens, mechanical rooms, electrical rooms, novelty shops, nonflammable storage rooms, trash compactors, housekeeping areas and similar ordinary hazard Group 1 occupancies, a minimum of .15 gpm per sq. ft. for any and most remote 1500 sq. ft.

3.3 PIPING INSTALLATION

- A. The Contractor shall perform the work in a professional workmanlike manner, according to the best practices of the trade. All sprinkler piping must be substantially supported from the building structure and only approved type hangers shall be used. Sprinkler piping in all areas with suspended ceilings shall be concealed unless otherwise noted on the contract drawings. All other piping (exposed areas) shall be installed as high as possible using necessary fittings and auxiliary drains to maintain maximum height. Any deviations found necessary shall be immediately brought to the attention of the Architect. All piping discharging outside (main drains, inspectors test pipes) shall do so on paved surfaces or on splash blocks.
- B. All inside piping shall be joined by means of screwed, flanged, flexible gasketed joints, or other approved method in accordance with material restrictions outlined above. Cross main outlets for branch lines may be welded using approved welding fittings. Welding and brazing shall conform to the standards as set forth in NFPA 13.
- C. The interior surfaces of all piping and equipment shall be clean and free of all dirt, loose scale, rust, and other foreign material before installation. All sprinkler piping with welded outlets or connections shall be free of welding slag and cut-outs. Welded fittings shall not protrude into the path of water-flow.
- D. Chrome-plated escutcheons shall be provided where exposed piping passes through finished floors, walls, partitions, and ceilings. Secure plates to pipe with set screws or spring clips.
- E. The Contractor shall be responsible for the coordination of his installation with all other trades in field prior to installation.

3.4 AUTOMATIC FIRE SPRINKLER INSTALLATION

- A. All sprinkler heads shall be in alignment, and parallel to ceiling features, walls, etc.

3.5 FIRE STOPS AND PENETRATION SEALS

- A. All new piping penetrations through fire rated floors and walls shall be sealed with fire resistant sealant to prevent the spread of smoke, fire, toxic gas, and water through the penetration either before, during or after a fire. The fire rating of the penetration seal shall be at least that of the floor or wall into which it is installed.

3.6 FIRE DEPARTMENT CONNECTION INSTALLATION

- A. Install check valve and ball drip valve where they will not be subjected to freezing temperatures. The discharge line from the ball drip valve shall be visible and piped to floor drain.

3.7 PRESSURE GAUGE INSTALLATION

- A. Install pressure gauges at the following locations:

1. Street side of check valve.
 2. At system side of all control valves.
 3. At top of each standpipe riser.
- B. The required pressure gauges shall be 3" diameter minimum and shall have a maximum limit not less than twice the normal working pressure at the point where installed. Each gauge connection shall not be less than ¼" and shall be equipped with a shut-off valve and with provision for draining.
- C. Gauges shall be installed to permit removal, and shall be located where they will not be subject to freezing.

3.8 TAMPER SWITCH INSTALLATION

- A. Install tamper switches on all control valves.

3.9 FIRE ALARM WIRING

- A. All fire alarm and monitor wiring shall be furnished and installed under the Electrical Division but the proper operation will be the fire protection Contractor's responsibility.

3.10 FLOOR CONTROL VALVE INSTALLATION

- A. Floor control valves shall be a complete assembly consisting of an O.S.&Y. valve, flow switch, inspectors test and main drain valves.
- B. Pipe discharge from inspectors test and main drain valves through sight glass and orifice to drain risers provided by the fire protection Contractor. Discharge the drain risers to location where no water damage will result.

3.11 PIPE TESTING

- A. The entire fire protection piping system shall be tested hydrostatically at not less than 200 psi pressure for two hours, or at 50 psi in excess of the maximum static pressure when the maximum static of NFPA pressure is in excess of 150 lbs. The hydrostatic test pressure shall be measured at the low point of the individual system or zone being tested. Each complete system (and associated piping and alarms), shall be tested and accepted as a complete unit, with data recorded on an approved "Contractor's Material and Test Certificate". System pressure tests shall be against a blank test flange and not against a valve seat.
- B. All tests shall be conducted in the presence of the Architect, Owner and authority having jurisdiction. Any system failing to meet the specified test requirements shall be retested at no additional cost, until the test requirements are met.

3.12 FIRE PUMP TESTING

- A. Upon completion of the entire fire pump installation, an operating test shall be made in the

presence of the purchaser, local fire officials, pump and controller representatives, and representative of the authority having jurisdiction.

- B. It shall be the responsibility of the installing Contractor to make the necessary arrangements for the services of manufacturers' representatives when needed for installation and adjustments of the equipment. In addition, the supplier of the fire pumps and controls shall provide the services of their representatives to instruct Owner's operating and maintenance personnel about the systems.
- C. The filed acceptance test results shall be as good as the manufacturer's certified shop test characteristic curve for the pump being tested within the accuracy limits of the test equipment. A minimum of churn, rated and 150% of rated flows shall be included in test.
- D. As installed at operating speed, the pump shall be able to operate at peak load conditions without objectionable heating of the bearings or of the prime mover. The operating pump speed shall be the speed at which the pumping unit would be expected to operate during a fire.
- E. During such test:
 - 1. For electric motors at rated voltage and at rated frequency, the full load ampere rating shall not be exceeded (except as allowed by the service factor stamped on the nameplate) under any conditions of pump load.
 - 2. For electric motors under conditions of acceptable high or low voltage, the product of the rated voltage at rated frequency and the rated full load current shall not be exceeded (except as allowed by the service factor stamped on the nameplate). The voltage at the motor should not vary more than 5% below or 10% above rated (nameplate) voltage during test.
- F. With discharge outlets open (corresponding to the outlets used in test at peak load) pump shall be started and brought up to rated speed without interruption due to opening of circuit breaker or other cause.
- G. Fire pump controller shall be tested as follows:
 - 1. Manual controllers for pumps shall be put through not less than ten complete operations.
 - 2. Automatic controllers shall be put through not less than ten automatic and ten manual operations.
 - 3. A running interval of at least five minutes at full speed shall be allowed before repeating the starting cycle.
 - 4. Automatic operation of the controller shall start the pump from all the provided starting features, such as pressure switches, deluge valves, etc.
 - 5. Electric motor shall attain rated speed within ten seconds.
- H. The pump shall be in operation not less than one hour (total time) during the foregoing tests.
- I. All tests shall be conducted in the presence of the Architect and Owner. Any system failing

to meet the specified test requirements shall be retested at no additional cost, until the test requirements are met.

3.13 FINAL ACCEPTANCE AND FOLLOW-UP

- A. Final acceptance will be granted after a successful test has been accomplished.
- B. Contractor shall provide any special tools required for maintenance and testing.
- C. A minimum of ten (10) working days prior to testing, the system manufacturer shall schedule one (1) training session. This training session, scheduled prior to testing, shall be given to personnel responsible for operations and maintenance.
- D. The training session shall be no less than one (1) four (4) hour meeting and presented at the project site by a qualified representative of the system manufacturer. The training shall include but not be limited to the following areas of instruction:
 - 1. System layout, equipment, zoning, etc.
 - 2. Troubleshooting.
 - 3. Field maintenance i.e. remove/replacement of equipment, cleaning, etc.
 - 4. Testing and reports.
 - 5. Operation and maintenance manual.
- E. After the fire pump has been successfully tested, and while the fire pump manufacturer's representative is present, conduct a functional test of the standpipe system. Flow water from the highest outlet and verify that 100 psi is available while flowing the total volume from the most remote standpipes as required by NFPA 14.

3.14 MAINTENANCE AND OPERATIONAL INSTRUCTIONS

- A. System description, system theory of operation, and system final inspection and acceptance documents of the completed system (as built) shall be submitted in a bound book as described. The maintenance manuals and instructions shall include a brief description of type of system installed, routine-type maintenance work defined by step-by-step instructions that should be performed to ensure long life and proper operation, and the recommended frequency of performance. The instructions shall also include possible trouble spots with diagnosis and correction of each. The theory of operation brochures shall describe the function of each component or subassembly in block-diagram type presentation to a degree that a craftsman will understand the system well enough to operate and maintain it. Provide Owner with two (2) copies of NFPA 25.

3.15 PROTECTION

- A. Protect all apparatus, fixtures, materials, equipment, and installations so as to prevent damage as a result of new work. The Contractor shall replace at his own expense any item, which is marred, defaced, broken, or damaged in any way, prior to the date of Notice of Acceptance.

3.16 PAINTING

- A. Paint all exposed fire protection piping, including standpipe.

BID PROPOSAL

By signing this bid, the bidder agrees that this bid is made without any understanding, agreement or connection with any other person, firm or corporation making a bid for the same purpose and that this bid is in all respects fair and without collusion or fraud.

Unsigned bids will be considered incomplete and subject to rejection.

It is agreed by the undersigned bidder that the signing and delivery of the bid represents the bidder's acceptance of the terms and conditions of the foregoing specifications and provisions, and if awarded the bid by Authority, will represent the agreement between the parties.

The following proposals are submitted by the bidder for the purpose of:

- A. Arriving at an estimated total bid price.
- B. Establishing price factors to be utilized in adjusting the estimated total price resulting from modification.

BID #10-13: FIRE PROTECTION MAINTENANCE & SERVICE FOR USE AT RAYMOND JAMES STADIUM

I ITEM NUMBER	II DESCRIPTION	III UNIT OF MEASURE	IV ESTIMATED QUANTITY	V UNIT PRICE	VI TOTAL DOLLARS
1	General Labor Rate	Quarterly Inspection	4	\$ _____	\$ _____
1	General Labor Rate	Hour	500 Hours	\$ _____	\$ _____

ACKNOWLEDGMENT OF BID/PROPOSAL

Name of Firm: _____

Street Address: _____

Mailing Address: _____
City State Zip

Phone #: _____

Fax #: _____

Type of Organization: Individual Small Business Non-Profit
 Partnership Corporation Joint Venture

Business is licensed (unless exempt by applicable law), permitted and certified to do business in the State of Florida: Yes No If yes, License #: _____

State of Florida Corporation ID # (From Secretary of State): _____

State of Florida Fictitious Name Registration # (From Secretary of State): _____

Federal ID #: _____

Signature (in ink): _____

(Member of Firm or Person Authorized to Sign Bid)

By signing above, I attest that all the information listed herein is correct, to the best of my knowledge, and agree to be bound by the terms, conditions and my company's submitted pricing with regards to this bid agreement.

(Typed or Printed Name and Title of above Signature)

Date: _____

STATEMENT OF NO BID

NOTE: If you do not intend to bid on this requirement, please return this form immediately to:

**Tampa Sports Authority
Purchasing Department
4201 North Dale Mabry
Tampa, FL 33607**

We, the undersigned, have declined to bid on your BID #10-13 for Fire Protection Maintenance and Service at Raymond James Stadium due to the following reasons:

- _____ Specifications to "tight", geared toward one brand or manufacturer only (explain below).
- _____ Insufficient time to respond to the Invitation to Bid.
- _____ Specifications unclear (explain below).
- _____ We do not offer this product or an equivalent.
- _____ Our product schedule would not permit us to perform.
- _____ Unable to meet specifications.
- _____ Other (explain below).

REMARKS: _____

We understand that if the "No Bid" letter is not executed and returned, our name may be deleted from the list of qualified bidders for Tampa Sports Authority.

COMPANY NAME: _____

SIGNATURE: _____

PRINTED NAME: _____

PHONE NUMBER: _____ DATE: _____