PEDRO FALCON
CONTRACTORS, INC.

31160 Avenue C, Big Pine Key, FL 33043-4516
(305) 872-2200 - Fax (305) 872-2219
EC 13003416 / CGC 1507617
www.pedrofalcon.com

*Response to*

## CITY OF KEY WEST

# ITB #18-028

# GLYNN ARCHER

# GYMNASIUM RENOVATIONS

JULY 25, 2018

# PART 1

# BIDDING REQUIREMENTS

## INVITATION TO BID

Sealed bids for the City of Key West ITB 18-028, Glynn Archer Gymnasium Renovations, addressed to the City of Key West, will be received at the Office of the City Clerk, 1300 White Street., Key West Florida, 33040 until 3:00 p.m. on ***Wednesday, July 11, 2018*** and then will be publicly opened and read. Any bids received after the time and date specified will not be considered.

**Please submit one (1) original, and two (2) flash drives each with one single PDF file of the sections entitled "Bidding Requirements" and "Contract Forms". Bid package is to be enclosed in a sealed envelope, clearly marked on the outside "ITB # 18-028 BID FOR GLYNN ARCHER GYMNASIUM RENOVATIONS" addressed and delivered to the City Clerk at the address noted above.**

The project contemplated consists of providing all site work, materials, equipment and labor necessary to accomplish the following:

Interior renovations of the existing gym building to include new ADA compliant restrooms, new interior configuration, new mechanical system, new plumbing and new electrical work and interior demolition. Exterior work to include replacing windows and doors to match original, new white single ply roofing system inclusive of insulation and concrete spalling repair.

Drawings and Specifications may be obtained from Demand Star by Onvia or City of Key West. Please contact Demand Star at www.demandstar.com or call 1-800-711-1712 or www.cityofkeywest-fl.gov

A **MANDATORY** Pre - Bid meeting will be held on ***June 27, 2018 at 2:00 in the City Managers Conference Room second floor***, Key West City Hall 1300 White Street, Key West, Florida.

**EACH BID MUST BE SUBMITTED ON THE PRESCRIBED FORM AND ACCOMPANIED BY BID SECURITY AS PRESCRIBED IN THE INSTRUCTIONS TO BIDDERS, PAYABLE TO THE CITY OF KEY WEST, FLORIDA, IN AN AMOUNT NOT LESS THAN FIVE (5) PERCENT OF THE AMOUNT BID.**

**THE BIDDER MUST BE A LICENSED CONTRACTOR BY THE STATE OF FLORIDA AND SUBMIT PROOF OF SUCH WITH THE BID.**

The successful Bidder shall furnish documentation showing that he is in compliance with the licensing requirements of the State and the provisions of Chapter 66 Section 87 of the Code of Ordinances of the City of Key West; within 10 days following the Notice of Award and must demonstrate that he holds at a minimum, the following licenses & certificates;

A. City of Key West Business Tax License Receipt
B. A valid Certificate of Competency issued by the Chief Building Official of Key West, Florida.

All bid bonds, insurance contracts, and certificates of insurance shall be either executed by or countersigned by a licensed resident agent of the Surety or Insurance Company having his place of business in the State of Florida, and in all ways complying with the insurance laws of the State of

Florida. Further, the said Surety or Insurance Company shall be duly licensed and qualified to do business in the State of Florida.

Before a Contract will be awarded for the work contemplated herein, the CITY will conduct such investigation as is necessary to determine the performance record and ability of the apparent low Bidder to perform the size and type of work specified under this Contract. Upon request, the Bidder shall submit such information as deemed necessary by the CITY to evaluate the Bidder's qualifications.

**Any request for information concerning this project must be made in writing, per City of Key West Ordinance Section 2-773, Cone of Silence, to L. Kreed Howell, Senior Construction Manager, at** lhowell@cityofkeywest-fl.gov**.**

As stated above at the time of the bid submittal the Bidder must provide satisfactory documentation of State Licenses. The Bidder shall furnish documentation showing that he is in compliance with the licensing requirements of County, and City licenses as would be required within ten days of the award. The successful Bidder must also be able to satisfy the CITY Attorney as to such insurance coverage and legal requirements as may be demanded by the Bid in question. The CITY may reject bids for any and/or all of the following reasons: (1) for budgetary reasons, (2) if the bidder misstates or conceals a material fact in its bid, (3) if the bid does not strictly conform to the law or is non-responsive to the bid requirements, (4) if the bid is conditional, or (5) if a change of circumstances occurs making the purpose of the bid unnecessary to the CITY. The CITY may also waive any minor formalities or irregularities in any bid, (6) if such rejection is in the best interest of the CITY.

# INSTRUCTIONS TO BIDDERS

## 1. CONTRACT DOCUMENTS

### A. FORMAT

The Contract Documents are divided into parts, divisions, and sections for convenient organization and reference. Generally, there has been no attempt to divide the sections into work performed by the various building trades, work by separate subcontractors, or work required for separate facilities in the project.

### B. DOCUMENT INTERPRETATION

The separate sections contained within these Contract Documents are intended to be mutually cooperative and to provide all details reasonably required for the execution of the proposed work.

Should there be any doubt as to the meaning or intent of said Contract Documents, the Bidder should request of the ENGINEER, in writing (at least ten (10) calendar days prior to bid opening) an interpretation thereof. Any interpretation or change in said Contract Documents will be made only in writing in the form of Addenda to the documents which will be available to all registered holders of Contract Documents via Demand star. Bidders shall submit with their Bids, or indicate receipt of, all Addenda. The CITY will not be responsible for any other explanation or interpretations of said Documents.

## 2. GENERAL DESCRIPTION OF THE PROJECT

A general description of the work to be done is contained in the Invitation to Bid. The scope is specified in applicable parts of these Contract Documents.

## 3. QUALIFICATION OF CONTRACTORS

The prospective Bidders must meet the statutorily prescribed requirements before award of Contract by the CITY. Bidders must hold or obtain all licenses and/or certificates as required by the State and Local Statutes to bid and perform the work specified herein.

## 4. BIDDER'S UNDERSTANDING

Each Bidder must inform himself of the conditions relating to the execution of the work, and it is assumed that he will inspect the site and make himself thoroughly familiar with all the Contract Documents. Failure to do so will not relieve the successful Bidder of his obligation to enter a Contract and complete the contemplated work in strict accordance with the Contract Documents. It shall be the Bidder's obligation to verify for himself and to his complete satisfaction all information concerning site and subsurface conditions.

The CITY will make available to prospective Bidders upon request and at the office of the ENGINEER, prior to bid opening, any information that he may have as to subsurface conditions and surface topography at the worksite.

Each Bidder shall inform himself of, and the Bidder awarded a Contract shall comply with, federal,

state, and local laws, statutes, and ordinances relative to the execution of the work. This requirement includes, but is not limited to, applicable regulations concerning minimum wage rates, nondiscrimination in the employment of labor, protection of public and employee safety and health, environmental protection, the protection of natural resources, fire protection, burning and non-burning requirements, permits, fees, and similar subjects.

5. TYPE OF BID

A. LUMP SUM

The BID for the work is to be submitted on a lump sum basis. Lump sum prices shall be submitted for all items of work set forth in the bid. All items required to complete the work specified but not included in the bid shall be considered incidental to those set forth in the bid.
**The Bidder shall submit the Schedule of Values INCLUDED within these documents. It shall be broken down by trade and type of work and include the cost of all LABOR, MATERIALS and PERMIT ALLOWANCE (provided) for use as a basis for payment.**

6. PREPARATION OF BIDS

A. GENERAL

All blank spaces in the BID form must be filled in, as required, preferably in BLACK ink. All price information shall be shown in both words and figures where required. No changes shall be made in the phraseology of the forms. Written amounts shall govern in case of discrepancy between the amounts stated in writing and the amounts stated in figures. In case of discrepancy between unit prices and extended totals, unit prices shall prevail.

Any BID shall be deemed informal which contains omissions, erasures, alterations, or additions of any kind, or prices uncalled for, or in which any of the prices are obviously unbalanced, or which in any manner shall fail to conform to the conditions of the published Invitation to Bid.

Only one BID from any individual, firm, partnership, or corporation, under the same or different names, will be considered. Should it appear to the CITY that any Bidder is interested in more than one Bid for work contemplated; all Bids in which such Bidder is interested will be rejected.

B. SIGNATURE

The Bidder shall sign his BID in the blank space provided therefore. If Bidder is a corporation, the legal name of the corporation shall be set forth above, together with the signature of the officer or officers authorized to sign Contracts on behalf of the corporation. If Bidder is a partnership, the true name of the firm shall be set forth above, together with the signature of the partner or partners authorized to sign Contracts in behalf of the partnership. If signature is by an agent, other than an officer of a corporation or a member of a partnership, a notarized power-of-attorney must be on file with the CITY prior to

opening of Bids or submitted with the Bid, otherwise the Bid will be regarded as not properly authorized.

C. SPECIAL BIDDING REQUIREMENTS

The Bidder's attention is brought to the hiring practices and licenses and permits of the City of Key West. These are defined in the addition to Article 39, ORDINANCES, PERMITS, AND LICENSES, as set forth in the Supplementary Conditions.

The Bidder shall submit with his Bid his experience record showing his experience and expertise in related work. Such experience record shall provide at least five current or recent projects (within the past 5 years) of similar work, within the State Florida and preferably Monroe County. For each project the following information shall be provided:

1. Description and location of work.
2. Contract amount.
3. Dates work was performed.
4. Owner.
5. Name of Owner's contact person and phone number.
6. ENGINEER.
7. Name of ENGINEER's contact person and phone number.

The bidder shall submit with his bid a list of items to be performed by his own labor and that performed by subcontractors or others.

D. ATTACHMENTS

Bidder shall complete and submit the following forms with his bid:

Anti-Kickback Affidavit
Public Entity Crimes Form
Indemnification Form
City of Key West Business License Tax Receipt
Local Vendors Form
Domestic Partnership Affidavit
Cone of Silence Affidavit
Non-Collusion Affidavit
Bidders' Checklist

E. PUBLIC ENTITY CRIMES FORM

Pursuant to the requirements of Chapter 287.133, Laws of Florida, pertaining to the sworn statement on Public Entity Crimes and the Convicted Vendor List, all Bidders shall submit a signed and notarized statement with their Bid on the form provided herein.

7. STATE AND LOCAL SALES AND USE TAXES

Unless the Supplementary Conditions contains a statement that the CITY is exempt from state sales tax on materials incorporated into the work due to the qualification of the work under this

Contract, the Contractor, as required by the laws and statutes of the state and its political subdivisions, shall pay all state and local sales and use taxes. Prices quoted in the Bid shall include all nonexempt sales and use taxes, unless provision is made in the Bid form to separately itemize the tax.

8. SUBMISSION OF BIDS

All BIDS must be submitted not later than the time prescribed, at the place, and in the manner set forth in the Invitation to Bid. BIDS must be made on the BID forms provided herewith, **submit one (1) ORIGINAL and two (2) FLASH DRIVES each containing a single PDF file of the entire bid package.**

Each BID must be submitted in a sealed envelope, so marked as to indicate the Bidder's name and its contents (project name and number) without being opened, and addressed in conformance with the instructions in the Invitation to Bid.

9. MODIFICATION OR WITHDRAWAL OF BIDS

Prior to the time and date designated for receipt of BIDS, any BID submitted may be withdrawn by notice to the party receiving BIDS at the place designated for receipt of BIDS. Such notice shall be in writing over the signature of the Bidder or by telegram. If by telegram, written confirmation over the signature of the Bidder shall be mailed and postmarked on or before the date and time set for receipt of BID. No BID may be withdrawn after the time scheduled for opening of BIDS, unless the time specified in paragraph AWARD OF CONTRACT of these Instructions to Bidders shall have elapsed.

10. BID SECURITY

BIDS must be accompanied by cash, a certified check, or cashier's check drawn on a bank in good standing, or a bid bond issued by a Surety authorized to issue such bonds in the state where the work is located, in the amount of five (5) percent of the total amount of the Bid submitted. This bid security shall be given as a guarantee that the Bidder will not withdraw his BID for a period of ninety (90) days after bid opening, and that if awarded the Contract, the successful Bidder will execute the attached Contract and furnish properly executed Performance and Payment Bonds, each in the full amount of the Contract price within the time specified. Agent and Surety phone numbers must be provided.

The Attorney-in-Fact who executes this bond in behalf of the Surety must attach a notarized copy of his power-of-attorney as evidence of his authority to bind the Surety on the date of execution of the bond. Where State Statute requires, certification by a resident agent shall also be provided.

If the Bidder elects to furnish a Bid Bond, he shall use the Bid Bond form bound herewith, or one conforming substantially thereto in form and content.

11. RETURN OF BID SECURITY

Within 15 days after the award of the Contract, the CITY will return the bid securities to all Bidders whose BIDS are not to be further considered in awarding the Contract. Retained bid securities will be held until the Contract has been finally executed, after which all bid securities, other than

Bidders' bonds and any guarantees, which have been forfeited, will be returned to the respective Bidders whose Bids they accompanied.

12. AWARD OF CONTRACT

Within ninety (90) calendar days after the opening of Bids, the CITY will accept one of the Bids or will act in accordance with the following paragraphs. The acceptance of the Bid will be by written notice of award, mailed to the office designated in the Bid, or delivered to the Bidder's representative. In the event of failure of the lowest responsive, responsible Bidder to sign the Contract, provide additional documents, insurance certificate(s) and evidence of holding required licenses and certificates, the Owner may award the Contract to the next lowest responsive, responsible Bidder. Such award, if made, will be made within one hundred & twenty (120) days after the opening of Bids.

The CITY reserves the right to accept or reject any or all Bids, and to waive any informalities and irregularities in said Bids.

13. BASIS OF AWARD

The award will be made by the Owner on the basis of the BID from the lowest, responsive, responsible BIDDER which, in the Owner's sole and absolute judgment will best serve the interest of the Owner.

14. EXECUTION OF CONTRACT

The successful Bidder shall, within ten (10) working days after receiving Notice of Award, sign and deliver to the CITY an original Contract and two (2) copies in the form hereto attached, together with the insurance certificate as required in the Contract Documents and evidence of holding required licenses and certificates. Within 10 working days after receiving the signed Contract from the successful Bidder, the City's authorized agent will sign the Contract. Signature by both parties constitutes execution of the Contract.

16. FAILURE TO EXECUTE CONTRACT AND FURNISH BID BOND

The Bidder who has a Contract awarded to him and who fails to promptly and properly execute the Contract shall forfeit the bid security that accompanied his bid, and the bid security shall be retained as liquidated damages by the CITY, and it is agreed that this said sum is a fair estimate of the amount of damages the CITY will sustain in case the Bidder fails to enter into a Contract. Bid security deposited in the form of cash, a certified check, or cashier's check shall be subject to the same requirement as a Bid Bond.

17. TIME OF COMPLETION

The time of completion of the work to be performed under this Contract is the essence of the Contract. Delays and extensions of time may be allowed in accordance with the provisions stated in the General Conditions.

When the Contractor receives a Notice to Proceed, he shall commence work as soon as possible and shall complete all work within the number of calendar days stipulated in this Bid. The term of this contract will be ***365*** calendar days.

NOTE TO BIDDER: Use preferably BLACK ink for completing this BID form.

**PROPOSAL FORM**

To: The City of Key West

Address: 1300 White Street, Key West, Florida 33040

Project Title: Glynn Archer Gymnasium Renovations
ITB 18-028

Bidder's contact person for additional information on this BID:

Company Name: Pedro Falcon Contractors, Inc.

Contact Name & Telephone #: Christian Brisson 305-872-2200 ext 26

Email Address: cb@pedrofalcon.com

BIDDER'S DECLARATION AND UNDERSTANDING

The undersigned, hereinafter called the Bidder, declares that the only persons or parties interested in this Bid are those named herein, that this Bid is, in all respects, fair and without fraud, that it is made without collusion with any official of the Owner, and that the Bid is made without any connection or collusion with any person submitting another Bid on this Contract.

The Bidder further declares that he has carefully examined the Contract Documents for the construction of the project, that he has personally inspected the site, that he has satisfied himself as to the quantities involved, including materials and equipment, and conditions of work involved, including the fact that the description of the quantities of work and materials, as included herein, is brief and is intended only to indicate the general nature of the work and to identify the said quantities with the detailed requirements of the Contract Documents, and that this Bid is made according to the provisions and under the terms of the Contract Documents, which Documents are hereby made a part of this Bid.

CONTRACT EXECUTION

The Bidder agrees that if this Bid is accepted, he will, within 10 days, not including Sundays and legal holidays, after Notice of Award, sign the Contract in the form annexed hereto, and will at that time, deliver to the Owner evidence of holding required licenses and certificates, and will, to the extent of his Bid, furnish all machinery, tools, apparatus, and other means of construction and do the work and furnish all the materials necessary to complete all work as specified or indicated in the Contract Documents.

CERTIFICATES OF INSURANCE

Bidder agrees to furnish the Owner, before commencing the work under this Contract, the certificates of insurance as specified in these Documents.

START OF CONSTRUCTION AND CONTRACT COMPLETION TIME

The Bidder further agrees to begin work within 10 calendar days after the date of the Notice to proceed and to complete the project, in all respects within ***365*** calendar days after the date of the Notice to Proceed.

LIQUIDATED DAMAGES

In the event the Bidder is awarded the Contract and shall fail to complete the work within the time limit or extended time limit agreed upon, as more particularly set forth in the Contract Documents, liquidated damages shall be paid to the Owner at the rate of $500.00 per day for all work awarded until the work has been satisfactorily completed as provided by the Contract Documents.

ADDENDA

The Bidder hereby acknowledges that he has received Addenda No's. 1 , 2 ,
____, _____, ____, ____, _____, _____, _____, _____, _____, _____,
(Bidder shall insert No. of each Addendum received) and agrees that all addenda issued are hereby made part of the Contract Documents, and the Bidder further agrees that his Bid(s) includes all impacts resulting from said addenda.

SALES AND USE TAXES

The Bidder agrees that all federal, state, and local sales and use taxes are included in the stated bid prices for the work.

LUMP SUM ITEMS

The Bidder further proposes to accept as full payment for the work proposed herein the amounts computed under the provisions of the Contract Documents and based on the following lump sum amounts. The Bidder agrees that the lump sum represent a true measure of the labor and materials required to perform the work, including all allowances for overhead and profit for each type and unit of work called for in these Contract Documents.

LUMP SUM PRICE BID

Lump sum bid prices stated in this proposal include all costs and expenses for labor, equipment, materials, disposal and contractor's overhead and profit. All work and incidental costs shall be included for payment under the several scheduled items of the overall contract, and no separate payment will be made therefore.

**LUMP SUM BASE BID**

**Lump Sum Base Bid** (Inclusive of all permitting, fixtures, equipment, material and labor):

LUMP SUM $ 1,707,122.00

One Million Seven Hundred & Seven Thousand One Hundred & Twenty Two Dollars & Zero Cents

_____ Dollars & _____ Cents

(amount written in words)

Base bid shall also include:

1. Removing and replacing with new 30% of the existing wood roof decking and joists.
2. Removing and replacing with new 30% of the existing wood finished floor and 20% of the existing wood sub-floor.

**UNIT PRICES**

The Bidder further proposes to accept as full payment for unit price work proposed herein the amounts computed under the provisions of the Contract Documents and based on the following unit price amounts, it being expressly understood that the unit prices are independent of the exact quantities involved. The Bidder agrees that the unit prices represent a true measure of the labor and materials required to perform the work, including all allowances for overhead and profit for each type and unit of work called for in these Contract Documents.

Provide unit pricing to remove and replace with new decking (per square foot) and for joists should actual (field measured) quantities vary from the 30% included in the base bid.

**Roof Decking:**

UNIT PRICE (Add/Deduct), per square foot $ 16.04/SFT

**Roof Joists:**

UNIT PRICE (Add/Deduct), per linear foot $ 3.00/LFT

Provide uniting price, per square foot, to remove and replace with new finished floor and sub-floor should actual (field measured) quantities vary from that allocated in the base bid.

**Finished Wood Flooring:**

UNIT PRICE (Add/Deduct), per square foot $ 7.00/SFT

**Wood Sub-floor:**

UNIT PRICE (Add/Deduct), per square foot $ 13.00/SFT

***The unit price provided will be used as a credit if the replacement is less than the allocated amount.***

**Additive Bid Alternate No. 1 – Selective Demolition and Installation of a New Single Ply Roof System of the Attached Structure (SOS Kitchen):**

SCOPE OF BID ALTERNATE: See Division 7 in the attached specifications regarding the scope of work required for the selective demolition and installation of the roofing system included in the original Scope of Work.

LUMP SUM (Add) $ 168,767.00

**Additive Bid Alternate No. 2 – Provide lightning protection system for the main gym structure and intermediate lower roof:**

SCOPE OF BID ALTERNATE: See detail 1/A – 5.3 in the attached drawings regarding the scope of work required for this alternate.

LUMP SUM (Add) $ 11,849.00

**Additive Bid Alternate No. 3 – Provide lightning protection system for the adjacent "SOS" building:**

SCOPE OF BID ALTERNATE: See detail 1/A – 5.3 in the attached drawings regarding the scope of work required for this alternate.

LUMP SUM (Add) $ 11,270.00

NOTE: OWNER HAS THE RIGHT TO ACCEPT OR REJECT THE BID ALTERNATE. THE TOTAL OF BASE BID PLUS THE SUM OF OWNER SELECTED BID ALTERNATE WILL A BASIS OF EVALUATING LOW BIDDER AND SASIS OF AWARD.

BIDDER REPRESENTATION

The undersigned, hereinafter called the Bidder, declares that the only persons or parties interested in this Proposal are those named herein, that this Proposal is, in all respects, fair and without fraud, that it is made without collusion with any official of the Owner, and that the Proposal is made without any connection or collusion with any person submitting another Proposal on this Contract.

I represent that this bid is submitted in compliance with all terms, conditions and specifications of the Invitation to Bid and that I am authorized by the owners/principals to execute and submit this proposal on behalf of the business identified below:

Company Name: Pedro Falcon Contractors, Inc.

Address: 31160 Avenue C

Big Pine Key, FL 33043

Contact Name: Christian Brisson

Email: cb@pedrofalcon.com

Telephone: 305-872-2200

Fax: 305-872-2219

*Signature:* _____ *Date:* July 25, 2018

Payment for materials & equipment authorized by the Owner in a written Change Order but not listed in the Schedule of Values will be provided at suppliers' invoice plus 15 %.
List items to be performed by CONTRACTOR's own forces and the estimated total cost of these items. (Use additional sheets if necessary.)

Div 02 (Demo) $45,052.00

Div 03 (Concrete) $147,268.00

Div 04 (Masonry) $3,019.00

Div 5 (Metal) $3,266.00

Div 06 (Wood, Plastics & Composites) $62,067.00

Div 08 (Openings) HM Doors & Frames Only $48,910.00

Div 09 (Finishes) GWB, Rubber Floor, Stucco $51,411.00

Div 10 (Specialties) $27,908.00

Div 26 (Electrical) $132,319.00

# GLYNN ARCHER GYM RENOVATIONS ITB 18-028
# (BIDDER TO COMPLETE WITH PROPOSAL)

| A | B | C |
|---|---|---|
| Item Number | Description of Work | Schedule Value |
| 1 | **Division 1 Gen Conditions** | |
| 2 | *Key West / AIPP / Util** | $50,000.00 |
| 3 | P&P Bonds | $18,574.00 |
| 4 | Mobilization | $2,500.00 |
| 5 | *General Conditions*** | $311,235.00 |
| 6 | **DIVISION 2 Site Work** | $38,218.00 |
| 7 | **DIVISION 3 Concrete** | $124,927.00 |
| 8 | **DIVISION 4 CMU** | $2,561.00 |
| 9 | **DIVISION 5 Misc Metals** | $2,770.00 |
| 10 | **DIVISION 6 Misc Carpentry** | $52,651.00 |
| 11 | **DIVISION 7 Roofing** | $175,447.00 |
| 12 | **DIVISION 8 Windows & Doors** | $359,838.00 |
| 13 | **DIVISION 9 Finishes** | $169,324.00 |
| 14 | **DIVISION 10 Specialties** | $23,674.00 |
| 15 | **DIVISION 22 Plumbing** | $72,468.00 |
| 16 | **DIVISION 23 Mechanical** | $190,689.00 |
| 17 | **DIVISION 26 Electrical** | $112,246.00 |
| 18 | | |
| 19 | | |
| 20 | | |
| 21 | | |
| 22 | | |
| 23 | | |
| 24 | | |
| 25 | | |
| 26 | | |
| 27 | | |
| | | ~~$50,000.00~~ |
| | **TOTAL** | $1,707,122.00 |

***Key West / AIPP / Utilities* = Key West Building permit - AIPP Fee - FKAA - FKEC***

***General Conditions** = P&O - Temp Facilities - Rental Equipment***

SUBCONTRACTORS

The Bidder further proposes that the following subcontracting firms or businesses will be awarded subcontracts for the following portions of the work if the Bidder is awarded the Contract:

Your Roofers, LLC
Name

320 S. Point Drive, Sugarloaf Key, FL, 33042
Street City State Zip

Window & Door Design Center
Name

861 Jupiter Park Dr., Suite E, Jupiter, FL, 33458
Street City State Zip

Florida HVAC Contractor Inc.
Name

2739 West 79th Street, Bay #10, Hialeah, FL, 33016
Street City State Zip

Paradise Plumbing of Key West
Name

5550 5th Ave., #11, Key West, FL, 33040
Street City State Zip

Preferred Painting 2
Name

1704 N. Roosevelt Blvd., Key West, FL, 33040
Street City State Zip

Roatan Mahogany USA, Inc.
Name

4004C Aurora Street, Coral Gables, FL, 33146
Street City State Zip

SUBCONTRACTORS

The Bidder further proposes that the following subcontracting firms or businesses will be awarded subcontracts for the following portions of the work if the Bidder is awarded the Contract:

Ivan Tile
Name

6465 Overseas Highway, #1, Marathon, FL, 33050
Street City State Zip

Carpet Lady & Floor Guy
Name

1704 N. Roosevelt Blvd., Key West, FL, 33040
Street City State Zip

Name

Street, City, State, Zip

Name

Street, City, State, Zip

Name

Street, City, State, Zip

Name

Street, City, State, Zip

SURETY

Traveler's Casualty & Surety Company of America c/o Nielson, Hoover & Co - Joseph Nielson whose address is

8000 Governors Square Blvd., Suite 101, Miami Lakes, FL, 33016

Street City State Zip

BIDDER

The name of the Bidder submitting this Bid is

Pedro Falcon Contractors, Inc. doing business at

31160 Avenue C, Big Pine Key, FL, 33043

Street City State Zip

which is the address to which all communications concerned with this Bid and with the Contract shall be sent.

The names of the principal officers of the corporation submitting this Bid, or of the partnership, or of all persons interested in this Bid as principals are as follows:

| | |
|---|---|
| Christian Brisson | as President, Director, Secretary |
| | |
| | |
| | |
| | |
| | |
| | |

If Sole Proprietor or Partnership

IN WITNESS hereto the undersigned has set his (its) hand this _____ day of _____ 2018.

_____
Signature of Bidder

_____
Title

If Corporation

IN WITNESS WHEREOF the undersigned corporation has caused this instrument to be executed and its seal affixed by its duly authorized officers this 25th day of July 2018.

(SEAL)

Pedro Falcon Contractors, Inc.
Name of Corporation

By _____

Title as President

Attest _____
Secretary

## EXPERIENCE OF BIDDER

The Bidder states that he is an experienced CONTRACTOR and has completed similar projects within the last 5 years.

(List similar projects, with types, names of OWNERs, construction costs, ENGINEERs, and references with phone numbers. Use additional sheets if necessary.

See attached list of similar projects at "Experience" tab.

# FLORIDA BID BOND

BOND NO. Bid Bond

AMOUNT: $5% of Amount Bid

KNOW ALL MEN BY THESE PRESENTS, that Pedro Falcon Electrical Contractors, Inc.

hereinafter called the PRINCIPAL, and Travelers Casualty and Surety Company of America

a corporation duly organized under the laws of the State of Connecticut

having its principal place of business at One Tower Square, Hartford, CT 06183

in the State of Connecticut.

and authorized to do business in the State of Florida, as SURETY, are held and firmly bound unto

The City of Key West

hereinafter called the OBLIGEE, in the sum of Five Percent of Amount Bid

DOLLARS ($5% of Amount Bid) for the payment for which we bind ourselves, our heirs, executors, administrators, successors, and assigns, jointly and severally, firmly by these present.

THE CONDITION OF THIS BOND IS SUCH THAT:

WHEREAS, the PRINCIPAL is herewith submitting his or its Bid for

**ITB # 18-028 / Glynn Archer Gym Repairs** said Bid, by reference thereto, being hereby made a part hereof.

WHEREAS, the PRINCIPAL contemplates submitting or has submitted a bid to the OBLIGEE for the furnishing of all labor, materials (except those to be specifically furnished by the CITY),

equipment, machinery, tools, apparatus, means of transportation for, and the performance of the work covered in the Bid and the detailed Specifications, entitled:

**ITB # 18-028 / Glynn Archer Gym Repairs**

WHEREAS, it was a condition precedent to the submission of said bid that a cashier's check, certified check, or bid bond in the amount of five (5) percent of the base bid be submitted with said bid as a guarantee that the Bidder would, if awarded the Contract, enter into a written Contract with the CITY for the performance of said Contract, within 10 working days after written notice having been given of the award of the Contract.

NOW, THEREFORE, the conditions of this obligation are such that if the PRINCIPAL within 10 consecutive calendar days after written notice of such acceptance, enters into a written Contract with the OBLIGEE and furnishes the Performance and Payment Bonds, each in an amount equal to 100 percent of the base bid, satisfactory to the CITY, then this obligation shall be void; otherwise the sum herein stated shall be due and payable to the OBLIGEE and the Surety herein agrees to pay said sum immediately upon demand of the OBLIGEE in good and lawful money of the United States of America, as liquidated damages for failure thereof of said PRINCIPAL.

Signed and sealed this 25th day of July ,2018.

PRINCIPAL Pedro Falcon Contractors, Inc.

By _____
Christian Brisson, as President

STATE OF Florida )
: SS
COUNTY OF Monroe )

Travelers Casualty and Surety Company of America

SURETY

By Joseph P. Nielson, Attorney In Fact

TRAVELERS

**Travelers Casualty and Surety Company of America**
**Travelers Casualty and Surety Company**
**St. Paul Fire and Marine Insurance Company**

## POWER OF ATTORNEY

**KNOW ALL MEN BY THESE PRESENTS**: That Travelers Casualty and Surety Company of America, Travelers Casualty and Surety Company, and St. Paul Fire and Marine Insurance Company are corporations duly organized under the laws of the State of Connecticut (herein collectively called the "Companies"), and that the Companies do hereby make, constitute and appoint **JOSEPH P NIELSON** of **MIAMI LAKES** **Florida**, their true and lawful Attorney-in-Fact to sign, execute, seal and acknowledge any and all bonds, recognizances, conditional undertakings and other writings obligatory in the nature thereof on behalf of the Companies in their business of guaranteeing the fidelity of persons, guaranteeing the performance of contracts and executing or guaranteeing bonds and undertakings required or permitted in any actions or proceedings allowed by law.

**IN WITNESS WHEREOF**, the Companies have caused this instrument to be signed, and their corporate seals to be hereto affixed, this **3rd** day of **February**, **2017.**

TRAVELERS CASUALTY AND SURETY COMPANY OF AMERICA HARTFORD, CONN. | TRAVELERS CASUALTY AND SURETY COMPANY HARTFORD, CONN. | ST. PAUL FIRE AND MARINE INSURANCE COMPANY CORPORATE SEAL

State of Connecticut

City of Hartford ss.

By: _____
Robert L. Raney, Senior Vice President

On this the **3rd** day of **February**, **2017**, before me personally appeared **Robert L. Raney**, who acknowledged himself to be the Senior Vice President of Travelers Casualty and Surety Company of America, Travelers Casualty and Surety Company, and St. Paul Fire and Marine Insurance Company, and that he, as such, being authorized so to do, executed the foregoing instrument for the purposes therein contained by signing on behalf of the corporations by himself as a duly authorized officer.

**In Witness Whereof**, I hereunto set my hand and official seal.

My Commission expires the **30th** day of **June**, **2021**

MARIE C. TETREAULT NOTARY PUBLIC CONNECTICUT

Marie C Tetreault
Marie C. Tetreault, Notary Public

This Power of Attorney is granted under and by the authority of the following resolutions adopted by the Boards of Directors of Travelers Casualty and Surety Company of America, Travelers Casualty and Surety Company, and St. Paul Fire and Marine Insurance Company, which resolutions are now in full force and effect, reading as follows:

**RESOLVED**, that the Chairman, the President, any Vice Chairman, any Executive Vice President, any Senior Vice President, any Vice President, any Second Vice President, the Treasurer, any Assistant Treasurer, the Corporate Secretary or any Assistant Secretary may appoint Attorneys-in-Fact and Agents to act for and on behalf of the Company and may give such appointee such authority as his or her certificate of authority may prescribe to sign with the Company's name and seal with the Company's seal bonds, recognizances, contracts of indemnity, and other writings obligatory in the nature of a bond, recognizance, or conditional undertaking, and any of said officers or the Board of Directors at any time may remove any such appointee and revoke the power given him or her; and it is

**FURTHER RESOLVED**, that the Chairman, the President, any Vice Chairman, any Executive Vice President, any Senior Vice President or any Vice President may delegate all or any part of the foregoing authority to one or more officers or employees of this Company, provided that each such delegation is in writing and a copy thereof is filed in the office of the Secretary; and it is

**FURTHER RESOLVED**, that any bond, recognizance, contract of indemnity, or writing obligatory in the nature of a bond, recognizance, or conditional undertaking shall be valid and binding upon the Company when (a) signed by the President, any Vice Chairman, any Executive Vice President, any Senior Vice President or any Vice President, any Second Vice President, the Treasurer, any Assistant Treasurer, the Corporate Secretary or any Assistant Secretary and duly attested and sealed with the Company's seal by a Secretary or Assistant Secretary; or (b) duly executed (under seal, if required) by one or more Attorneys-in-Fact and Agents pursuant to the power prescribed in his or her certificate or their certificates of authority or by one or more Company officers pursuant to a written delegation of authority; and it is

**FURTHER RESOLVED**, that the signature of each of the following officers: President, any Executive Vice President, any Senior Vice President, any Vice President, any Assistant Vice President, any Secretary, any Assistant Secretary, and the seal of the Company may be affixed by facsimile to any Power of Attorney or to any certificate relating thereto appointing Resident Vice Presidents, Resident Assistant Secretaries or Attorneys-in-Fact for purposes only of executing and attesting bonds and undertakings and other writings obligatory in the nature thereof, and any such Power of Attorney or certificate bearing such facsimile signature or facsimile seal shall be valid and binding upon the Company and any such power so executed and certified by such facsimile signature and facsimile seal shall be valid and binding on the Company in the future with respect to any bond or understanding to which it is attached.

I, **Kevin E. Hughes**, the undersigned, Assistant Secretary of Travelers Casualty and Surety Company of America, Travelers Casualty and Surety Company, and St. Paul Fire and Marine Insurance Company, do hereby certify that the above and foregoing is a true and correct copy of the Power of Attorney executed by said Companies, which remains in full force and effect.

Dated this **25th** day of **July**, **2018**

TRAVELERS CASUALTY AND SURETY COMPANY OF AMERICA HARTFORD, CONN. | TRAVELERS CASUALTY AND SURETY COMPANY HARTFORD, CONN. | ST. PAUL FIRE AND MARINE INSURANCE COMPANY CORPORATE SEAL

Kevin E. Hughes
Kevin E. Hughes, Assistant Secretary

***To verify the authenticity of this Power of Attorney, please call us at 1-800-421-3880.***
***Please refer to the above-named Attorney-in-Fact and the details of the bond to which the power is attached.***

## ANTI – KICKBACK AFFIDAVIT

STATE OF Florida )
: SS
COUNTY OF Monroe )

I, the undersigned hereby duly sworn, depose and say that no portion of the sum herein bid will be paid to any employees of the City of Key West as a commission, kickback, reward or gift, directly or indirectly by me or any member of my firm or by an officer of the corporation.

By: Christian Brisson

Sworn and subscribed before me this 25th day of July, 2018.

NOTARY PUBLIC, State of Florida at Large

Kathleen A. Smith

My Commission Expires:

NOTARY PUBLIC STATE OF FLORIDA

Kathleen A. Smith
Commission # GG209716
Expires: April 22, 2022
Bonded thru Aaron Notary

SWORN STATEMENT UNDER SECTION 287.133(3)(A)
FLORIDA STATUTES, ON **PUBLIC ENTITY CRIMES**

**THIS FORM MUST BE SIGNED IN THE PRESENCE OF A NOTARY PUBLIC OR OTHER OFFICER AUTHORIZED TO ADMINISTER OATHS.**

1. This sworn statement is submitted with Bid or Bid for ITB # 18-028 Glynn Archer Gymnasium Renovation

2. This sworn statement is submitted by Pedro Falcon Contractors, Inc.
(Name of entity submitting sworn statement)

whose business address is 31160 Avenue C, Big Pine Key, FL 33043

and (if applicable) its Federal Employer Identification Number (FEIN) is 59-2550231

(If the entity has no FEIN, include the Social Security Number of the individual

signing this sworn statement _____

3. My name is Christian Brisson
(Please print name of individual signing)

and my relationship to the entity named above is as President

4. I understand that a "public entity crime" as defined in Paragraph 287.133(1)(g), Florida Statutes, means a violation of any state or federal law by a person with respect to and directly related to the transaction of business with any public entity or with an agency or political subdivision of any other state or with the United States, including but not limited to, any bid or contract for goods or services to be provided to any public or an agency or political subdivision of any other state or of the United States and involving antitrust, fraud, theft, bribery, collusion, racketeering, conspiracy, material misrepresentation.

5. I understand that "convicted" or "conviction" as defined in Paragraph 287.133(1)(b), Florida Statutes, means a finding of guilt or a conviction of a public entity crime, with or without an adjudication guilt, in any federal or state trial court of record relating to charges brought by indictment information after July 1, 1989, as a result of a jury verdict, nonjury trial, or entry of a plea of guilty or nolo contendere.

6. I understand that an "affiliate" as defined in Paragraph 287.133(1)(a), Florida Statutes, means

a. A predecessor or successor of a person convicted of a public entity crime; or

b. An entity under the control of any natural person who is active in the management of the entity and who has been convicted of a public entity crime. The term "affiliate" includes those officers, directors, executives, partners, shareholders, employees, members, and agents who are active in the management of an affiliate. The ownership by one person of shares constituting controlling interest in another person, or a pooling of equipment or income among persons when not for fair market value under an arm's length agreement, shall be a prima facie case that one person controls another person. A person who knowingly enters into a joint venture with a person who has been convicted of a public entity crime in Florida during the preceding 36 months shall be considered an affiliate.

7. I understand that a "person" as defined in Paragraph 287.133(1)(8), Florida Statutes, means any natural person or entity organized under the laws of any state or of the United States with the legal power to enter into a binding contract and which bids or applies to bid on contracts for the provision of goods or services let by a public entity, or which otherwise transacts or applies to transact business with public entity. The term "person" includes those officers, directors, executives, partners, shareholders, employees, members, and agents who are active in management of an entity.

8. Based on information and belief, the statement which I have marked below is true in relation to the entity submitting this sworn statement. (Please indicate which statement applies).

   _X_ Neither the entity submitting this sworn statement, nor any officers, directors, executives, partners, shareholders, employees, members, or agents who are active in management of the entity, nor any affiliate of the entity have been charged with and convicted of a public entity crime subsequent to July 1, 1989, AND (Please indicate which additional statement applies.)

   _____ There has been a proceeding concerning the conviction before a hearing of the State of Florida, Division of Administrative Hearings. The final order entered by the hearing officer did not place the person or affiliate on the convicted vendor list. (Please attach a copy of the final order.)

   _____ The person or affiliate was placed on the convicted vendor list. There has been a subsequent proceeding before a hearing officer of the State of Florida, Division of Administrative Hearings. The final order entered by the hearing officer determined that it was in the public interest to remove the person or affiliate from the convicted vendor list. (Please attach a copy of the final order.)

   _X_ The person or affiliate has not been put on the convicted vendor list. (Please describe any action taken by or pending with the Department of General Services.)

(Signature)

July 25, 2018

(Date)

STATE OF Florida

COUNTY OF Monroe

PERSONALLY, APPEARED BEFORE ME, the undersigned authority,

Christian Brisson who, after first being sworn by me, affixed his/her
(Name of individual signing)

Signature in the space provided above on this 25th day of July, 2018.

My commission expires:

Kathleen A. Smith
NOTARY PUBLIC

Kathleen A. Smith
Commission # GG209716
Expires: April 22, 2022
Bonded thru Aaron Notary

## INDEMNIFICATION

To the fullest extent permitted by law, the CONTRACTOR expressly agrees to indemnify and hold harmless the City of Key West, their officers, directors, agents, and employees (herein called the "indemnitees") from liabilities, damages, losses and costs, including, but not limited to, reasonable attorney's fees and court costs, such legal expenses to include costs incurred in establishing the indemnification and other rights agreed to in this Paragraph, to persons or property, to the extent caused by the negligence, recklessness, or intentional wrongful misconduct of the CONTRACTOR, its Subcontractors or persons employed or utilized by them in the performance of the Contract. Claims by indemnitees for indemnification shall be limited to the amount of CONTRACTOR's insurance or $1 million per occurrence, whichever is greater. The parties acknowledge that the amount of the indemnity required hereunder bears a reasonable commercial relationship to the Contract and it is part of the project specifications or the bid documents, if any.

The indemnification obligations under the Contract shall not be restricted in any way by any limitation on the amount or type of damages, compensation, or benefits payable by or for the CONTRACTOR under workers' compensation acts, disability benefits acts, or other employee benefits acts, and shall extend to and include any actions brought by or in the name of any employee of the CONTRACTOR or of any third party to whom CONTRACTOR may subcontract a part or all of the Work. This indemnification shall continue beyond the date of completion of the work.

CONTRACTOR: Pedro Falcon Contractors, Inc.

SEAL:

31160 Avenue C, Big Pine Key, FL 33043
Address

Signature

Christian Brisson
Print Name

as President
Title

DATE: July 25, 2018

## LOCAL VENDOR CERTIFICATION PURSUANT TO CKW ORDINANCE 09-22 SECTION 2-798

The undersigned, as a duly authorized representative of the vendor listed herein, certifies to the best of his/her knowledge and belief, that the vendor meets the definition of a "Local Business." For purposes of this section, "local business" shall mean a business which:

a. Principle address as registered with the FL Department of State located within 30 miles of the boundaries of the city, listed with the chief licensing official as having a business tax receipt with its principle address within 30 miles of the boundaries of the city for at least one year immediately prior to the issuance of the solicitation.

b. Maintains a workforce of at least 50 percent of its employees from the city or within 30 miles of its boundaries.

c. Having paid all current license taxes and any other fees due the city at least 24 hours prior to the publication of the call for bids or request for Bids.

- Not a local vendor pursuant to Ordinance 09-22 Section 2-798
- Qualifies as a local vendor pursuant to Ordinance 09-22 Section 2-798

If you qualify, please complete the following in support of the self-certification & submit copies of your County and City business licenses. Failure to provide the information requested will result in denial of certification as a local business.

Business Name Pedro Falcon Contractors, Inc. Phone: 305-872-2200

Current Local Address: 31160 Avenue C, Big Pine Key, FL 33043 Fax: 305-872-2219
(P.O Box numbers may not be used to establish status)

Length of time at this address: 33 years

Signature of Authorized Representative Date: July 25, 2018

STATE OF Florida COUNTY OF Monroe

The foregoing instrument was acknowledged before me this 25th day of July, 2018.

By Christian Brisson, as President, of Pedro Falcon Contractors, Inc.
(Name of officer or agent, title of officer or agent) (Name of corporation acknowledging)

or has produced identification _____ as identification
(Type of identification)

Kathleen A. Smith
Signature of Notary

Kathleen A. Smith
Commission # GG209716
Expires: April 22, 2022
Bonded thru Aaron Notary

Print, Type or Stamp Name of Notary

Return Completed form with
Supporting documents to:
City of Key West Purchasing

Title or Rank

## EQUAL BENEFITS FOR DOMESTIC PARTNERS AFFIDAVIT

STATE OF Florida )
: SS
COUNTY OF Monroe )

I, the undersigned hereby duly sworn, depose and say that the firm of Pedro Falcon Contractors, Inc. provides benefits to domestic partners of its employees on the same basis as it provides benefits to employees' spouses per City of Key West Ordinance Sec. 2-799.

By: _____
Christian Brisson

Sworn and subscribed before me this

25th Day of July, 2018.

Kathleen A. Smith

NOTARY PUBLIC, State of Florida at Large

My Commission Expires: 4-22-22

Kathleen A. Smith
Commission # GG209716
Expires: April 22, 2022
Bonded thru Aaron Notary

## CONE OF SILENCE AFFIDAVIT

STATE OF Florida )
: SS
COUNTY OF Monroe )

I the undersigned hereby duly sworn depose and say that all owner(s), partners, officers, directors, employees and agents representing the firm of Pedro Falcon Contractors, Inc have read and understand the limitations and procedures regarding communications concerning City of Key West issued competitive solicitations pursuant to City of Key West Ordinance Section 2-773 Cone of Silence.

Christian Brisson

Sworn and subscribed before me this

25th Day of July, 2018.

Kathleen A. Smith

NOTARY PUBLIC, State of Florida at Large

My Commission Expires: 4-22-22

NOTARY PUBLIC STATE OF FLORIDA

Kathleen A. Smith
Commission # GG209716
Expires: April 22, 2022
Bonded thru Aaron Notary

## NON-COLLUSION AFFIDAVIT

STATE OF FLORIDA )
: SS
COUNTY OF MONROE )

I, the undersigned hereby declares that the only persons or parties interested in this Proposal are those named herein, that this Proposal is, in all respects, fair and without fraud, that it is made without collusion with any official of the Owner, and that the Proposal is made without any connection or collusion with any person submitting another Proposal on this Contract.

By: _____

Christian Brisson

Sworn and subscribed before me this

25th day of July, 2018.

Kathleen A. Smith

NOTARY PUBLIC, State of Florida at Large

My Commission Expires: 4-22-22

Kathleen A. Smith
Commission # GG209716
Expires: April 22, 2022
Bonded thru Aaron Notary

## BIDDER'S CHECKLIST

(Note: The purpose of this checklist is to serve as a reminder of major items to be addressed in submitting a bid and is not intended to be all inclusive. It does not alleviate the Bidder from the responsibility of becoming familiar with all aspects of the Contract Documents and proper completion and submission of his bid.)

1. All Contract Documents thoroughly read and understood. [X ]
2. All blank spaces in Bid filled in, using black ink. [X ]
3. Total and unit prices added correctly and attached Schedule of Values [X ]
4. Addenda acknowledged. [X ]
5. Subcontractors are named as indicated in the Bid. [X ]
6. Experience record included. [X ]
7. Bid signed by authorized officer. [X ]
8. Bid Bond completed and executed, including power-of-attorney dated the same date as Bid Bond. [X ]
9. Bidder familiar with federal, state, and local laws, ordinances, rules and regulations affecting performance of the work. [X ]
10. Bidder, if successful, able to obtain and/or demonstrate possession of required licenses and certificates within (10) ten calendar days after receiving a Notice of Award. [X ]
11. BID submitted intact with the volume entitled "Bidding Requirements" and "Contract Forms", 1 original, and 2 flash drives as stated in the invitation to bid. "Contract Forms" omitted. See Addendum 2, Additional Clarifications...#1 [X ]
12. Bid Documents submitted in sealed envelope and addressed and labeled in conformance with the instructions in the Invitation to Bid. [X ]

# EXPERIENCE

PEDRO FALCON
CONTRACTORS, INC.
31160 Avenue C, Big Pine Key, FL 33043-4516
(305) 872-2200 - Fax (305) 872-2219
EC 13003416 / CGC 1507617
www.pedrofalcon.com

# SELECTED PROJECTS 2013 TO 2018

**Project Name**: **Utility & Public Works Maintenance Facility Bldg.**
**Project Address**: 10335 Overseas Hwy., Marathon FL 33050
**Owner:** City of Marathon, FL
**Project Contact**: Carlos A. Solis, City of Marathon Public Works & Engineering Director
**Project Contact Phone**: 305-289-5008
**Dates Work Was Performed**: November 2016 – May 2018

**Project Summary**: Design/Build - New 10,000 SF pre-engineered steel building constructed from the ground up to finished product. The building was nearing completion when Hurricane Irma hit the FL Keys. The City of Marathon moved in to the unfinished facility during the storm, and has continued to use the building since. PFC was able to complete the project even though the building was occupied.

Owner requested change orders included adding auger piles, asphalt paving (20,646 SF), a concrete slab at the storage bunker, an injection well with concrete flumes, an IT room with secondary HVAC, an eye wash station, electrified door hardware to integrate with the security system, and ceramic tile flooring. These additions added $423,661.83 and 24 days to the original contract.

Hurricane Irma time extension put the project on hold for 192 days.

**Contract Value**: $2,418,145.83
**Engineer or Architect:** K2M Design
**Address:** 1150 Virginia Street, Key West, FL
**Contact:** Joe Moody, Director - E. jmoody@k2mdesign.com
**On Time and On Budget**: Yes

**Project Name**: **Correct CNS Commercial Power Feed**
**Project Address**: MacDill Air Force Base, Tampa, FL
**Project Contact**: Joseph Borello, 6th Contracting Squadron
**Project Contact Phone**: 813-828-7421
**Dates Work Was Performed:** September 2014 to July 2016

**Project Summary**: Design/Build project. The Scope of Work included repairing the existing overhead electrical distribution by relocating overhead lines to a below grade electrical distribution system. Contaminated soil was excavated and managed. Street and parking lot lighting systems were installed. Work included curbing and sidewalk repair, sod, directional boring under pavement, and traffic maintenance. Electrical included grounding, medium voltage conductors, conduit, cable fault indicators, and switch gear mounted on a concrete pad. Also included were pad mounted re-closers, capacitors banks, and load analysis. This project was accomplished with a savings of $31,099.12 realized compared to the original contract amount.

**Contract Value**: $1,466,568.88
**Engineer or Architect**: SGM Engineering, Inc.
**Address**: 935 Lake Baldwin Lane, Orlando, FL 32814
**Contact**: Justin Mundell, 407-767-5188
**On Time and On Budget**: Yes

**Project Name**: **Mallory Square Bathroom Improvements**
**Project Address**: Mallory Square, Key West, FL
**Owner:** City of Key West
**Project Contact**: Janet Muccino, City of Key West Engineering, Project Manager
**Project Contact Phone**: 305-809-3867
**Dates Work Was Performed**: February 2016 to April 2016

**Project Summary**: The Scope of Work for this project included replacing bathroom fixtures, doors, dispensers, electric hand dryers, a janitor's sink, interior water and sewer piping, valves, exterior doors, a new attic vent fan, cleaning & painting, and window screens.

**Contract Value**: $151,412.00
**Engineer or Architect:** William P. Horn, Architect
**Address:** 915 Eaton St., Key West, FL 33040
**Contact:** Bill Horn, 305-296-8302
**On Time and On Budget**: Yes

**Project Name**: **Monroe County Fire Training Academy at Crawl Key**

**Project Address**: 56633 Overseas Hwy., Marathon FL 33050
**Project Contact**: Johnnie Yongue, Monroe County Project Manager
**Project Contact Phone**: 305-292-4429
**Dates Work Was Performed**: July 2015 to June 2017

**Project Summary**: An existing trailer was demolished and replaced with the new Monroe County Fire Training Academy, a one story, 5,625 SF masonry and concrete building.

An active training facility, work included coordination with the Owner to clear and secure the construction area and to keep the remaining portions of the site accessible and in operation throughout the new construction process.

A large challenge in this project involved faulty concrete pours by our Subcontractor, resulting in a stop work order which lasted 273 days. PFC is proud of the efforts we made to successfully remedy the situation at our own cost. Repairs were extensive and required everything from ground penetrating radar to chipping hammers. In the end, we were able to provide the County with a functional, structurally sound building constructed to the project specifications and standards.

This is a FGBC (Florida Green Building Coalition) building.

**Contract Value**: $1,965,504.07
**Engineer or Architect:** William P. Horn, Architect
**Address:** 915 Eaton St., Key West, FL 33040
**Contact:** Bill Horn, 305-296-8302
**On Time and On Budget**: Yes

**Project Name**: **Marathon City Hall**

**Project Address**: 9805 Overseas Hwy., Marathon FL 33050
**Project Contact**: Carlos A. Solis, City of Marathon Public Works & Engineering Director
**Project Contact Phone**: 305-289-5008
**Dates Work Was Performed:** December 2014 to November 2016

**Project Summary**: New 15,000 SF City Hall Building built from the ground up. The building includes offices, conference room, break room, utility rooms, specialty storage, and City Council chambers. This is a FGBC (Florida Green Building Coalition) building.

Work included all Divisions: Concrete, Masonry, Metals, Wood, Plastics and Composites, Thermal & Moisture Protection, Openings, Finishes, Specialties, Equipment, Furnishings, Fire Suppression, Plumbing, HVAC, Electrical, Communications, Electronic Safety and Security, Earthwork, Exterior Improvements, and Utilities.

All change orders were Owner requested and included structural changes to the building foundation, increasing the fire line from 2” to 4”, providing limerock fill at the building pad, additional conduit for

data and electric service installed under the building slab to accommodate future expansion, and relocating the IT room.

This project was delivered on time and within budget.

**Contract Value**: $4,782,223.91
**Engineer or Architect**: William Horn, Architect, Solaria Design & Consulting, and K2M Design
**Address**: Horn: 915 Eaton St., KW, Solaria: 3000 Overseas Hwy., Marathon, K2M: 1150 Virginia St., KW
**Contact:** Bill Horn: 305-296-8302, Solaria: 305-289-7980, K2M: 305-294-4011
**On Time and On Budget**: Yes

*Exterior Lighting at Marathon City Hall*

**Project Name**: **Marathon Airport Customs Facility, Guardian Ad Litem**
**Project Address**: 9000 Overseas Hwy., Marathon, FL 33050
**Owner:** Monroe County Board of County Commissioners
**Project Contact**: Kevin Wilson, Assistant County Administrator
**Project Contact Phone**: 305-453-8797
**Dates Work Was Performed**: November 2014 to March 2016

**Project Summary**: Renovation to an existing airport terminal to include the Federal Customs Facility. Project included selective demolition, insulation, gypsum, resilient flooring, Division 10, plumbing, security systems, concrete/masonry, doors/frames/hardware, stucco, terrazzo flooring, furniture, HVAC, CCTV, detention equipment, metals, aluminum storefronts, tiling, fluid applied floor, window shades, electrical, signage, access control/duress, architecture casework, glazing, acoustical ceilings, painting, fire suppression, communications, and fire alarm.

Owner requested change orders included bullet resistant glass, stainless steel partitions, removal and installation of new data cabling, installation of an x-ray machine, microphones and cameras, an integrated phone system, and additional security features.

**Contract Value**: $1,091,403.00
**Engineer or Architect:** K2M Design
**Address:** 1150 Virginia Street, Key West, FL
**Contact:** Joe Moody, Director - E. jmoody@k2mdesign.com
**On Time and On Budget**: Yes

**Project Name**: **P678 Aircraft Crash Rescue & Fire Headquarters**

**Project Address**: Boca Chica Naval Air Station, Key West, FL
**Project Contact**: John Drace, Principal, Drace Anderson Joint Venture
**Project Contact Phone**: 228-244-0100
**Dates Work Was Performed:** October 2014 to January 2016

**Project Summary**: Electrical Subcontract. Complete electrical for new Aircraft Crash Rescue and Fire Headquarters including demo, overhead power relocation, interior and exterior lighting, lighting controls, pad mount transformers, panel boards, dry type transformers, branch power, switch gear, generator system with stainless steel enclosure, fire alarm system, underground distribution including excavation and concrete and backfill, communication duct banks, ELMER Mass Notification System, communications and data, CATV, cameras, security/door access, lightning protection, and fire detection systems. This project was delivered on time and within budget.

**Contract Value**: 1,498,396.43
**Engineer or Architect**: Naval Facilities Engineering Command Southeast
**Address**: IPT South Atlantic, Bldg. 135, PO Box 30, NAS Jacksonville, Jacksonville, FL 32212

**Project Name**: **Repair Runway Keel**
**Project Address:** MacDill AFB, Tampa, FL
**Owner:** United States Air Force
**Project Contact**: Christopher Tuck
**Project Contact Phone**: 813-828-7139 or christopher.tuck@macdill.af.mil
**Dates Work Was Performed**: July 2014 to April 2015

**Project Summary**: The Scope of Work included Repair the 05-23 runway keel section and install poly-panel systems. Demo the existing surface layer of asphalt to a depth of 3" by milling. Scabbing of asphalt layers resulting from the milling process were eliminated prior to the application of tack coat and asphalt layers. Demo and removal of the concrete slab at the 05 and 23 end barrier pendant cables was accomplished. A new poly panel system was installed. The base layer was cleaned, routed, and sealed.

**Contract Value**: $1,377,358.00
**Engineer or Architect:** the Ash Group, Inc.
**Address:** 5802 Benjamin Center Dr., Suite 10, Tampa, FL 33634
**Contact:** Christopher K. Martin, P.E., 813-290-8899
**On Time and On Budget**: Yes

**Project Name**: **Renovate B723 For New Mission**
**Project Address:** MacDill AFB, Tampa, FL
**Owner:** United States Air Force
**Project Contact**: Sgt. Brandon M. Carey
**Project Contact Phone**: 813-828-2837
**Dates Work Was Performed**: October 2014 to February 2015

**Project Summary**: The Scope of Work included pressure washing doors and frames, and finishing with fresh paint. VCT, carpet, base, ceiling tiles, and corner guards were removed. Holes were patched, existing toilets were re-grouted, and walls and wallpaper were removed. Site demo included removing bushes and palm trees, loading dock bumpers and angles, controls, sidewalk ramp, railings, pavement, gravel, curbing and stairs. A new ramp was constructed at the loading dock. New installations included overhead doors, laminate cabinets and drawers, toilet partitions, doors, VCT, wall base, carpet tiles, epoxy floor, ceiling tiles, drywall, tile shower, painting, bathroom accessories, microwave, refrigerator, plumbing, HVAC, electrical, communications, electronic safety and security and earthwork.

**Contract Value**: $303,320.00
**Engineer or Architect:** 6th Civil Engineering Squadron
**Address:** 7621 Loop Dr., Bldg. 30, MacDill AFB, FL 33621-5207
**Contact:** Sgt. Brandon M. Carey P: 813-828-2837
**On Time and On Budget**: Yes

**Project Name**: **Repair MacDill Gate Safety at Deficiencies**
**Project Address:** MacDill AFB, Tampa, FL
**Owner:** United States Air Force
**Project Contact**: David Poppe
**Project Contact Phone**: 813-828-1187
**Dates Work Was Performed**: October 2013 to November 2014

**Project Summary**: This project was to widen the MacDill Avenue Gate in-bound. Work included roadway design, geotechnical investigation, erosion protection, storm water pollution prevention, traffic maintenance, street signs, and removal of the existing Delta Scientific surface mount barrier and controls from the guard house. New barrier controls were installed. Clearing, grubbing, milling, foundation, sidewalk, and underground utilities were provided. A 12-wide GRAB net barrier was installed. Electrical work included new barrier signaling and lighting and controls.

**Contract Value**: $647,251.00
**Engineer or Architect:** Star Structure, Inc., Solaria Design, Inc., Ash Engineering, Inc. and PFEC
**Address:** Star @ Jacksonville, Solaria @ Marathon, Ash @ Tampa, PFEC @ Big Pine Key
**Contact:** Star @ 904-448-1717, Solaria @ 305-289-7980, Ash @ 813-290-8891, PFEC @ 305-872-2200
**On Time and On Budget**: Yes

**Project Name**: **Repair JICCENT Data Center HVAC**
**Project Address:** MacDill AFB, Tampa, FL
**Owner:** United States Air Force
**Project Contact**: Jason M. Guincho
**Project Contact Phone**: 813-828-2837 or jason.guincho@us.af.mil
**Dates Work Was Performed**: October 2013 to June 2014

**Project Summary**: This project involved the installation of a new HVAC system in Building B565, an occupied critical server room which could not be impacted. The existing HVAC was demolished, and the exiting circuit boards and evaporator motor were salvaged. Demo included the demolition of the existing Liebert chilled water air conditioners, and water piping back to the branch main. Holes were cut in flooring and exterior walls to accommodate the new work, and to prepare the existing flooring to accommodate new equipment. A new roof top access/equipment support system was provided and installed. The existing structural steel system was prepared for new steel to support the new condensing units, catwalk system, and service platforms. Electrical work included the removal and replacement of breakers, wiring, safety switches and conduit.

**Contract Value**: $505,777.00
**Engineer or Architect:** Haddad Engineering, Inc.
**Address:** 2955 Hartley Rd., Suite 205, Jacksonville, FL 32257
**Contact:** 904-262-5066
**On Time and On Budget**: Yes

**Project Name**: **Install CENTCOM Shredder Exhaust System**
**Project Address:** MacDill AFB, Tampa, FL
**Owner:** United States Air Force
**Project Contact**: David M. Poppe
**Project Contact Phone**: 813-828-1187 or david.poppe@us.af.mil
**Dates Work Was Performed**: October 2013 to May 2014

**Project Summary**: This project was in a sensitive, high security, occupied area. The Scope of Work called for installing a completely integrated and operational vacuum exhaust and auger compactor system. Erosion protection, maintenance of traffic, removal and disposal of curbing and concrete slabs was provided. A new slab area including an equipment access road, ramp and pad was constructed. New concrete curbing, sod and landscaping were installed. All electrical requirements for the system were also provided.

**Contract Value**: $319,586.00
**Engineer or Architect:** Haddad Engineering, Inc.
**Address:** 2955 Hartley Rd., Suite 205, Jacksonville, FL 32257
**Contact:** 904-262-5066
**On Time and On Budget**: Yes

**Project Name**: **ADA Compliance Segment #4**
**Project Address:** 9 occupied facilities in the Middle and Lower Keys
**Owner:** Monroe County Board of County Commissioners
**Project Contact**: Jerry Barnett
**Project Contact Phone**:
**Dates Work Was Performed**: June 2013 to October 2013

**Project Summary**: ADA Compliance on 9 occupied facilities in the Middle and Lower Keys. Work included doors, bathrooms, counters, baby changing stations, signage, elevators, detention center, drinking fountains, re-design etc.

**Contract Value**: $300,400.00
**Engineer or Architect:** K2M Design
**Address:** 1150 Virginia Street, Key West, FL
**Contact:** Joe Moody, Director - E. jmoody@k2mdesign.com
**On Time and On Budget**: Yes

**Project Name**: **US Navy 9th Floor Renovations, Phase ii, Electronics Lab**
**Project Address**: 701 Clematis St., West Palm Beach, FL
**Owner**: GSA REDC Acquisition Div., 4PQPA, 701 Clematis #125, West Palm Beach, FL
**Project Contact**:
**Project Contact Phone**: 561-820-8165
**Dates Work Was Performed:** September 2012 – August 2013

**Project Summary**: Design/Build 9th Floor Electronics Lab. Work included demolition, security, drywall, mechanical, electrical, painting, HVAC modifications, fire sprinkler, and telecommunications.

**Contract Value**: $552,060.00
**Engineer or Architect:** K2M Design
**Address:** 1150 Virginia Street, Key West, FL
**Contact:** Joe Moody, Director - E. jmoody@k2mdesign.com
**On Time and On Budget**: Yes

**Project Name**: **Repair SOCOM HVAC, Room 1184, B501**
**Project Address:** MacDill AFB, Tampa, FL
**Owner:** United States Air Force
**Project Contact**: 6th Contracting Squadron
**Project Contact Phone**: 813-828-7454
**Dates Work Was Performed**: August 2012 to June 2013

**Project Summary**: The Scope of Work included replacing the existing AHU-5 HVAC system in B501, installing the new computer room AC, demo, and providing temporary AC. Also included were new pad mounted transformers, two new 5 ton AC and 20 ton AHU, with new piping gauges, thermometers, and ducting. A static pressure sensor to control new VFD was installed. Electrical and fire protection were included.

**Contract Value**: $338,130.00
**Engineer or Architect:** Haddad Engineering, Inc.
**Address:** 2955 Hartley Rd., Suite 205, Jacksonville, FL 32257
**Contact:** 904-262-5066
**On Time and On Budget**: Yes

**Project Name**: **KW International Airport Customs Terminal Security Enhancements, Phase 1**
**Project Address:** 3491 South Roosevelt Blvd., Key West, FL
**Owner:** Monroe County Board of County Commissioners
**Project Contact**:
**Project Contact Phone**: 305-292-4416
**Dates Work Was Performed**: August 2012 to February 2013

**Project Summary**: This project included exterior doors and windows, Vestibule, computer and reception room renovations including walls, ceiling, fixtures, floors, and Duress buttons in the counter door. Also included were mechanical, fire protection, electrical, voice and data, security doors with card readers, and chilled water piping.

**Contract Value**: $305,660.00
**Engineer or Architect:** K2M Design
**Address:** 1150 Virginia Street, Key West, FL
**Contact:** Joe Moody, Director - E. jmoody@k2mdesign.com
**On Time and On Budget**: Yes

**Project Name**: **US Air Force 7th Floor Upgrades**

**Project Address**: Timberlake Annex, Tampa, FL
**Owner**: United States Air Force
**Project Contact**: Sue Kaiser, GSA REDC Acquisition Division
**Project Contact Phone**: 561-820-8165
**Dates Work Was Performed:** February 2012 to June 2013

**Project Summary**: This was a secured, occupied building. The project included the interior build-out of office space and renovations to the existing 7th floor. Work included demolition, patching and repair, walls, ceilings, doors and finishes, hardware, access, flooring, electrified privacy windows, RF Shielding, RF Window Film, electrified window shades, millwork, audio visual infrastructure, security/intrusion detection system and infrastructure, mechanical, electrical, plumbing, and various security and agency equipment.

**Contract Value**: $3,395,056.31
**Engineer or Architect:** TTV Architects, Inc.
**Address:** 115 E. Forsyth Street, Jacksonville, FL
**Contact:** 904-798-8333
**On Time and On Budget**: Yes

**Project Name**: **Repair After School Facility Playground**

**Project Address**: MacDill Air Force Base, Tampa, FL
**Owner**: United States Air Force
**Project Contact**: Susan Jackson
**Project Contact Phone**: 813-828-7454 or susan.jackson@us.af.mil
**Dates Work Was Performed: October** 2012 to July 2013

**Project Summary**: This project was at an occupied playground. The Scope of Work included demolition, the installation of erosion and storm water protection devices, and the cleaning and flushing of existing storm water pipes. Fencing, play structures and play surfaces were removed and disposed of. Tree barricades were installed and existing oak trees were trimmed. Fencing was installed. Water connections were made including a new water service with drinking fountains and drain lines. Canvas canopies for shade were replaced. The deck area, stairs, railing systems, and ramps were constructed. An aluminum pergola structure was erected. Reinforced decorative concrete sidewalks were compacted and installed. Site amenities included new play areas, new playground equipment, and new toys with a safe fall zone. New gates, landscaping, sodding, and irrigation systems were also provided.

**Contract Value**: $275,189.00
**Engineer or Architect**: Meridian Engineering
**Address:** 201 Front Street, Suite 207, Key West, FL 33040
**Contact:** Richard J. Milelli 305-293-3263
**On Time and On Budget**: Yes

**Project Name**: **Repair Child Development Center Campus**
**Project Address**: MacDill Air Force Base, Tampa, FL
**Owner**: United States Air Force
**Project Contact**: Susan Jackson
**Project Contact Phone**: 813-828-7454 or susan.jackson@us.af.mil
**Dates Work Was Performed:** 2012 to 2013

**Project Summary**: Certifications for specialist design and rubber surfacing were required for this project. Erosion and storm water protection measures were installed. Fencing was removed and disposed of, and temporary fencing was constructed. Sidewalks play structures, storage sheds and foundations, play surfaces, a backflow preventer and drainage structures were demolished. New fencing, gates, and sidewalks were installed. Work included the relocation and installation of new water valves, hard piping below grade, irrigation systems, storm water underdrain drainage systems, and playground equipment for pre-toddlers. PFC furnished and installed the equipment for the pre-school garden area, and constructed the deck and stage areas with an aluminum pergola structure. Reinforced concrete sidewalks, and sitting area with decorative concrete paving were built as were a tree cookie patio with standing seam metal shade and a reinforced concrete foundation.

**Contract Value**: $593,492.00
**Engineer or Architect**: Meridian Engineering
**Address:** 201 Front Street, Suite 207, Key West, FL 33040
**Contact:** Richard J. Milelli 305-293-3263
**On Time and On Budget**: Yes

**Project Name**: **Repair Airfield Drainage**
**Project Address**: Avon Park, FL
**Project Contact**: Christopher Tuck, 6th Contracting Squadron, MacDill AFB
**Project Contact Phone**: 813-828-7139
**Dates Work Was Performed:** September 2012 to August 2013

**Project Summary**: Repair drainage in multiple areas of the airfield bomb range: demolition, catch basins, piping, slip lining, install a five barrel 30" culvert system to discharge to the Rim Canal, reshape slopes, clearing, erosion control, seed and mulch, and hydro-seed.

**Contract Value**: $1,927,115.00
**Engineer or Architect:** Meridian Engineering
**Address:** 201 Front Street, Key West, FL 33040
**Contact:** Richard J. Milelli, P.E. 305-293-3263
**On Time and On Budget**: Yes

**Project Name**: **ADA Compliance Segment #3**
**Project Address:** 13 occupied facilities in the Upper Keys
**Owner:** Monroe County Board of County Commissioners
**Project Contact**: Jerry Barnett
**Project Contact Phone**: 305-292-4416
**Dates Work Was Performed**: August 2012 to February 2013

**Project Summary**: ADA Compliance on 13 occupied facilities in the Upper Keys. Work included doors, bathrooms, counters, baby changing stations, signage, elevators, detention center, drinking fountains, etc.

**Contract Value**: $259,833.00
**Engineer or Architect:** K2M Design
**Address:** 1150 Virginia Street, Key West, FL
**Contact:** Joe Moody, Director - E. jmoody@k2mdesign.com
**On Time and On Budget**: Yes

**Project Name**: **Conch Key Fire Station No. 17**

**Project Address**: 3 North Conch Ave., Conch Key, FL 33050
**Owner**: Monroe County Florida
**Project Contact**: Kevin Wilson, Asst. County Administrator
**Project Contact Phone**: 305-453-8797
**Dates Work Was Performed:** September 2011 to June 2013

**Project Summary**: The Conch Key Fire Station No. 17 project included the construction of a new 2 story addition and the renovation of the existing one story facility. Total square footage increased from 2846 SF to 6270 SF.

The completed project involved sitework, utilities, auger cast piles, concrete grade beams & columns, slab on grade, reinforcing steel, walls, stairs, ramps, ceilings, roofing, doors, windows, and flood proofing. Full HVAC, electrical and plumbing were provided, as were full fire sprinkler and fire alarm systems.

Due to the length of time from original concept design to actual construction the height requirements for Fire Department vehicles changed. This was brought to the Owner's attention by PFC. Revising the

structure clearances was recommended by PFC, thereby allowing the finished project to be currently useful to the Owner.

**Contract Value**: $1,955,787.00
**Engineer or Architect:** William P. Horn, Architect
**Address:** 915 Eaton St., Key West, FL 33040
**Contact:** Bill Horn, 305-296-8302
**On Time and On Budget**: Yes

# LICENSES

# INSURANCE

# TAX RECEIPTS

RICK SCOTT, GOVERNOR

JONATHAN ZACHEM, SECRETARY

# STATE OF FLORIDA
# DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION

## CONSTRUCTION INDUSTRY LICENSING BOARD

THE GENERAL CONTRACTOR HEREIN IS CERTIFIED UNDER THE
PROVISIONS OF CHAPTER 489, FLORIDA STATUTES

## BRISSON, CHRISTIAN NORMAND

PEDRO FALCON ELECTRICAL CONTRACTORS INC
31160 AVENUE C
BIG PINE KEY FL 33043

**LICENSE NUMBER: CGC1507617**

**EXPIRATION DATE: AUGUST 31, 2020**

Always verify licenses online at MyFloridaLicense.com

Do not alter this document in any form.

This is your license. It is unlawful for anyone other than the licensee to use this document.

DETACH HERE

RICK SCOTT, GOVERNOR

KEN LAWSON, SECRETARY

**STATE OF FLORIDA**
**DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION**
**ELECTRICAL CONTRACTORS LICENSING BOARD**

| LICENSE NUMBER |
| --- |
| EC13003416 |

The ELECTRICAL CONTRACTOR
Named below IS CERTIFIED
Under the provisions of Chapter 489 FS.
Expiration date: AUG 31, 2018

ALLSBROOK, ROBERT DAVID
PEDRO FALCON ELECTRICAL CONTRACTORS INC
31160 AVENUE C
BIG PINE KEY FL 33043

ISSUED: 07/10/2016

DISPLAY AS REQUIRED BY LAW

SEQ # L1607100001841

# CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY): 7/16/2018

**THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.**

**IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).**

**PRODUCER**
Bowen, Miclette & Britt of Florida, LLC
1020 N. Orlando Avenue, Suite 200
Maitland FL 32751

**CONTACT NAME:** Pam Medley
**PHONE (A/C, No, Ext):** (407) 647-1616 **FAX (A/C, No):** (407) 628-1635
**E-MAIL ADDRESS:** certificates@bmbinc.com

| INSURER(S) AFFORDING COVERAGE | NAIC # |
|---|---|
| INSURER A : Amerisure Insurance Company | 19488 |
| INSURER B : Amerisure Mutual Insurance Company | 23396 |
| INSURER C : | |
| INSURER D : | |
| INSURER E : | |
| INSURER F : | |

**INSURED** PEDROFALCO
Pedro Falcon Electrical Contractors, Inc.
31160 Avenue C
Big Pine Key FL 33043-4516

**COVERAGES** **CERTIFICATE NUMBER:** 173055202 **REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

| INSR LTR | TYPE OF INSURANCE | ADDL INSD | SUBR WVD | POLICY NUMBER | POLICY EFF (MM/DD/YYYY) | POLICY EXP (MM/DD/YYYY) | LIMITS | |
|---|---|---|---|---|---|---|---|---|
| A | X COMMERCIAL GENERAL LIABILITY | Y | Y | GL2092941 | 11/2/2017 | 11/2/2018 | EACH OCCURRENCE | $ 1,000,000 |
| | CLAIMS-MADE X OCCUR | | | | | | DAMAGE TO RENTED PREMISES (Ea occurrence) | $ 100,000 |
| | | | | | | | MED EXP (Any one person) | $ 5,000 |
| | | | | | | | PERSONAL & ADV INJURY | $ 1,000,000 |
| | GEN'L AGGREGATE LIMIT APPLIES PER: | | | | | | GENERAL AGGREGATE | $ 2,000,000 |
| | POLICY X PRO-JECT LOC | | | | | | PRODUCTS - COMP/OP AGG | $ 2,000,000 |
| | OTHER: | | | | | | | $ |
| A | AUTOMOBILE LIABILITY | Y | Y | CA2092939 | 11/2/2017 | 11/2/2018 | COMBINED SINGLE LIMIT (Ea accident) | $ 1,000,000 |
| | X ANY AUTO | | | | | | BODILY INJURY (Per person) | $ |
| | ALL OWNED AUTOS / SCHEDULED AUTOS | | | | | | BODILY INJURY (Per accident) | $ |
| | HIRED AUTOS / NON-OWNED AUTOS | | | | | | PROPERTY DAMAGE (Per accident) | $ |
| | | | | | | | | $ |
| B | X UMBRELLA LIAB X OCCUR | Y | Y | CU2092942 | 11/2/2017 | 11/2/2018 | EACH OCCURRENCE | $ 4,000,000 |
| | EXCESS LIAB CLAIMS-MADE | | | | | | AGGREGATE | $ 4,000,000 |
| | DED RETENTION $ | | | | | | | $ |
| A | WORKERS COMPENSATION AND EMPLOYERS' LIABILITY Y / N | N / A | Y | WC2094526 | 11/2/2017 | 11/2/2018 | X PER STATUTE OTH-ER | |
| | ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? N (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below | | | | | | E.L. EACH ACCIDENT | $ 500,000 |
| | | | | | | | E.L. DISEASE - EA EMPLOYEE | $ 500,000 |
| | | | | | | | E.L. DISEASE - POLICY LIMIT | $ 500,000 |

**DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)**
The following policy provisions and/or endorsements form part of the policies of insurance represented by this certificate of insurance. The terms contained in the policies and/or endorsements supersede the representations made herein. Electronic copies of the policy provisions and/or endorsements listed below are available by emailing: certificates@bmbinc.com

When required by written contract, those parties listed in said contract, including the Certificate Holder, are added as additional insureds with respect to the General Liability including ongoing and completed operations, Auto Liability, and Umbrella Liability as afforded by the policy and/or endorsements.
See Attached...

**CERTIFICATE HOLDER**

City of Key West
1300 White Street
Key West FL 33040

**CANCELLATION**

**SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.**

**AUTHORIZED REPRESENTATIVE**

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AGENCY CUSTOMER ID: PEDROFALCO

LOC #:

# ADDITIONAL REMARKS SCHEDULE



| AGENCY | NAMED INSURED |
|---|---|
| Bowen, Miclette & Britt of Florida, LLC | Pedro Falcon Electrical Contractors, Inc.<br>31160 Avenue C<br>Big Pine Key FL 33043-4516 |
| POLICY NUMBER | |
| CARRIER / NAIC CODE | EFFECTIVE DATE: |

## ADDITIONAL REMARKS

**THIS ADDITIONAL REMARKS FORM IS A SCHEDULE TO ACORD FORM,**

**FORM NUMBER:** 25 **FORM TITLE:** CERTIFICATE OF LIABILITY INSURANCE

When required by written contract, waiver of Subrogation is granted with respect to the General Liability, Auto Liability, Workers Compensation, and Umbrella Liability to those parties listed in said contract, including the Certificate Holder.

The General Liability and Umbrella Liability certified herein are primary and non-contributory to other insurance available, but only to the extent required by written contract.
Project Reference: BID: ITB#18-028 Glynn Archer Gymnasium Renovations



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**THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.**

# CONTRACTOR'S BLANKET ADDITIONAL INSURED ENDORSEMENT – FORM A

This endorsement modifies insurance provided under the following:

COMMERCIAL GENERAL LIABILITY COVERAGE PART

| **Policy Number**<br>GL 2092941 | **Agency Number**<br>0845507 | **Policy Effective Date**<br>11/02/2017 |
|---|---|---|
| **Policy Expiration Date**<br>11/02/2018 | **Date** | **Account Number**<br>11228245 |
| **Named Insured**<br>PEDRO FALCON ELECTRICAL CONTRACTORS INC | **Agency**<br>BOWEN MICLETTE & BRITT OF FLORIDA, LLC | **Issuing Company**<br>AMERISURE INSURANCE COMPANY |

**1.** **a.** **SECTION II - WHO IS AN INSURED** is amended to add as an additional insured any person or organization:

**(1)** Whom you are required to add as an additional insured on this policy under a written contract or written agreement relating to your business; or

**(2)** Who is named as an additional insured under this policy on a certificate of insurance.

**b.** The written contract, written agreement, or certificate of insurance must:

**(1)** Require additional insured status for a time period during the term of this policy; and

**(2)** Be executed prior to the "bodily injury", "property damage", or "personal and advertising injury" leading to a claim under this policy.

**c.** If, however:

**(1)** "Your work" began under a letter of intent or work order; and

**(2)** The letter of intent or work order led to a written contract or written agreement within 30 days of beginning such work; and

**(3)** Your customer's customary contracts require persons or organizations to be named as additional insureds;

we will provide additional insured status as specified in this endorsement.

**2.** The insurance provided under this endorsement is limited as follows:

**a.** That person or organization is an additional insured only with respect to liability caused, in whole or in part, by:

**(1)** Premises you:

**(a)** Own;

**(b)** Rent;

**(c)** Lease; or

**(d)** Occupy;

**(2)** Ongoing operations performed by you or on your behalf. Ongoing operations does not apply to "bodily injury" or "property damage" occurring after:

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**(a)** All work to be performed by you or on your behalf for the additional insured(s) at the site of the covered operations is complete, including related materials, parts or equipment (other than service, maintenance or repairs); or

**(b)** That portion of "your work" out of which the injury or damage arises is put to its intended use by any person or organization other than another contractor working for a principal as a part of the same project.

**(3)** Completed operations coverage, but only if:

**(a)** The written contract, written agreement, or certificate of insurance requires completed operations coverage or "your work" coverage; and

**(b)** This coverage part provides coverage for "bodily injury" or "property damage" included within the "products-completed operations hazard".

However, the insurance afforded to such additional insured only applies to the extent permitted by law.

**b.** If the written contract, written agreement, or certificate of insurance:

**(1)** Requires "arising out of" language; or

**(2)** Requires you to provide additional insured coverage to that person or organization by the use of either or both of the following:

**(a)** Additional Insured – Owners, Lessees or Contractors – Scheduled Person Or Organization endorsement CG 20 10 10 01; or

**(b)** Additional Insured – Owners, Lessees or Contractors – Completed Operations endorsement CG 20 37 10 01;

then the phrase "caused, in whole or in part, by" in paragraph **2.a.** above is replaced by "arising out of".

**c.** If the written contract, written agreement, or certificate of insurance requires you to provide additional insured coverage to that person or organization by the use of:

**(1)** Additional Insured – Owners, Lessees or Contractors – Scheduled Person Or Organization endorsement CG 20 10 07 04 or CG 20 10 04 13; or

**(2)** Additional Insured – Owners, Lessees or Contractors – Completed Operations endorsement CG 20 37 07 04 or CG 20 37 04 13; or

**(3)** Both those endorsements with either of those edition dates; or

**(4)** Either or both of the following:

**(a)** Additional Insured – Owners, Lessees or Contractors – Scheduled Person Or Organization endorsement CG 20 10 without an edition date specified; or

**(b)** Additional Insured – Owners, Lessees or Contractors – Completed Operations endorsement CG 20 37 without an edition date specified;

then paragraph **2.a.** above applies.

**d.** Premises, as respects paragraph **2.a.(1)** above, include common or public areas about such premises if so required in the written contract or written agreement.

**e.** Additional insured status provided under paragraphs **2.a.(1)(b)** or **2.a.(1)(c)** above does not extend beyond the end of a premises lease or rental agreement.

**f.** The limits of insurance that apply to the additional insured are the least of those specified in the:

**(1)** Written contract;

**(2)** Written agreement;

**(3)** Certificate of insurance; or

**(4)** Declarations of this policy.

The limits of insurance are inclusive of and not in addition to the limits of insurance shown in the Declarations.

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**g.** The insurance provided to the additional insured does not apply to "bodily injury", "property damage", or "personal and advertising injury" arising out of an architect's, engineer's, or surveyor's rendering of, or failure to render, any professional services, including but not limited to:

**(1)** The preparing, approving, or failing to prepare or approve:

**(a)** Maps;

**(b)** Drawings;

**(c)** Opinions;

**(d)** Reports;

**(e)** Surveys;

**(f)** Change orders;

**(g)** Design specifications; and

**(2)** Supervisory, inspection, or engineering services.

**h.** **SECTION IV – COMMERCIAL GENERAL LIABILITY CONDITIONS**, paragraph **4. Other Insurance** is deleted and replaced with the following:

**4. Other Insurance.**

Coverage provided by this endorsement is excess over any other valid and collectible insurance available to the additional insured whether:

**a.** Primary;

**b.** Excess;

**c.** Contingent; or

**d.** On any other basis;

but if the written contract, written agreement, or certificate of insurance requires primary and non-contributory coverage, this insurance will be primary and non-contributory relative to other insurance available to the additional insured which covers that person or organization as a Named Insured, and we will not share with that other insurance.

**i.** If the written contract, written agreement, or certificate of insurance as outlined above requires additional insured status by use of CG 20 10 11 85, then the coverage provided under this CG 70 48 endorsement does not apply except for paragraph **2.h. Other Insurance.** Additional insured status is limited to that provided by CG 20 10 11 85 shown below and paragraph **2.h. Other Insurance** shown above.

**ADDITIONAL INSURED - OWNERS, LESSEES OR CONTRACTORS (FORM B)**

This endorsement modifies insurance provided under the following:

COMMERCIAL GENERAL LIABILITY COVERAGE PART.

**SCHEDULE**

**Name of Person or Organization:** Blanket Where Required by Written Contract, Agreement, or Certificate of Insurance that the terms of CG 20 10 11 85 apply

(If no entry appears above, information required to complete this endorsement will be shown in the Declarations as applicable to this endorsement.)

WHO IS AN INSURED (Section II) is amended to include as an insured the person or organization shown in the Schedule, but only with respect to liability arising out of "your work" for that insured by or for you.

**CG 20 10 11 85** Copyright, Insurance Services Office, Inc., 1984

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**j.** The insurance provided by this endorsement does not apply to any premises or work for which the person or organization is specifically listed as an additional insured on another endorsement attached to this policy.

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# 2017 / 2018
# MONROE COUNTY BUSINESS TAX RECEIPT
## EXPIRES SEPTEMBER 30, 2018

RECEIPT# 30140-9801

Business Name: PEDRO FALCON ELECTRICAL CONTRACTORS INC

Owner Name: PEDRO FALCON, CHRISTIAN N BRISSON
Mailing Address: QUALIFIER, ROBERT D ALLSBROOK
31160 AVE C
BIG PINE KEY, FL 33043

Business Location: 31160 AVE C
BIG PINE KEY, FL 33043

Business Phone: 305-872-2200
Business Type: CONTRACTOR (GENERAL/ELECTRICAL 3RD QUALIFIER STATE LIC EC13003416)

Employees 10

STATE LICENSE: EC0001491/CGC1507617/

| Tax Amount | Transfer Fee | Sub-Total | Penalty | Prior Years | Collection Cost | Total Paid |
|---|---|---|---|---|---|---|
| 25.00 | 0.00 | 25.00 | 0.00 | 0.00 | 0.00 | 25.00 |

Paid 114-16-00004300 08/31/2017 25.00

THIS BECOMES A TAX RECEIPT WHEN VALIDATED

**Danise D. Henriquez, CFC, Tax Collector**
**PO Box 1129, Key West, FL 33041**

THIS IS ONLY A TAX. YOU MUST MEET ALL COUNTY AND/OR MUNICIPALITY PLANNING AND ZONING REQUIREMENTS.


**MONROE COUNTY BUSINESS TAX RECEIPT**
P.O. Box 1129, Key West, FL 33041-1129
EXPIRES SEPTEMBER 30, 2018

RECEIPT# 30140-9801

Business Name: PEDRO FALCON ELECTRICAL CONTRACTORS INC

Owner Name: PEDRO FALCON, CHRISTIAN N BRISSON
Mailing Address: QUALIFIER, ROBERT D ALLSBROOK
31160 AVE C
BIG PINE KEY, FL 33043

Business Location: 31160 AVE C
BIG PINE KEY, FL 33043

Business Phone: 305-872-2200
Business Type: CONTRACTOR (GENERAL/ELECTRICAL 3RD QUALIFIER STATE LIC EC13003416)

Employees 10


STATE LICENSE: EC0001491/CG

| Tax Amount | Transfer Fee | Sub-Total | Penalty | Prior Years | Collection Cost | Total Paid |
|---|---|---|---|---|---|---|
| 25.00 | 0.00 | 25.00 | 0.00 | 0.00 | 0.00 | 25.00 |

Paid 114-16-00004300 08/31/2017 25.00

# CITY OF KEY WEST, FLORIDA

## Business Tax Receipt

**This Document is a business tax receipt**
**Holder must meet all City zoning and use provisions.**
**P.O. Box 1409, Key West, Florida 33040 (305) 809-3955**

| | |
|---|---|
| Business Name | PEDRO FALCON ELECTRICAL CtlNbr:**0004028** |
| Location Addr | 31160 AVE C FALCON BLDG |
| Lic NBR/Class | **18-00004033** CONTRACTOR - CERT ELECTRICAL |
| Issue Date: | September 05, 2017 **Expiration Date**:September 30, 2018 |
| License Fee | $325.00 |
| Add. Charges | $0.00 |
| Penalty | $0.00 |
| Total | $325.00 |

Comments:

This document must be prominently displayed.

PEDRON FALCON ELECTRICAL CONTR

PEDRO FALCON ELECTRICAL
31160 AVENUE C

BIG PINE KEY FL 33043

Oper: KEYWJAB Type: OC Drawer: 1
Date: 9/05/17 63 Receipt no: 27662
2018 4033
OR LIC OCCUPATIONAL RENEWAL
1.00 $325.00
Trans number: 3114404
CK CHECK 44301 $325.00

Trans date: 9/05/17 Time: 13:16:23

# CITY OF KEY WEST, FLORIDA

## Business Tax Receipt

**This Document is a business tax receipt**
**Holder must meet all City zoning and use provisions.**
**P.O. Box 1409, Key West, Florida 33040 (305) 809-3955**

| | |
|---|---|
| Business Name | PEDRO FALCON ELECTRICAL (CGC) CtlNbr:**0017630** |
| Location Addr | 31160 AVE C |
| Lic NBR/Class | **18-00021608** CONTRACTOR - CERT GENERAL CONTRACTOR |
| Issue Date: | September 05, 2017 **Expiration Date**:September 30, 2018 |
| License Fee | $325.00 |
| Add. Charges | $0.00 |
| Penalty | $0.00 |
| Total | $325.00 |

Comments:

This document must be prominently displayed.

PEDRO FALCON ELECTRICAL CONTRA

PEDRO FALCON ELECTRICAL (CGC)
31160 AVE C

BIG PINE KEY FL 33043

Oper: KEYWJAB Type: OC Drawer: 1
Date: 9/05/17 63 Receipt no: 27658
2018 21608
OR LIC OCCUPATIONAL RENEWAL
1.00 $325.00
Trans number: 3114388
CK CHECK 44300 $325.00

Trans date: 9/05/17 Time: 13:11:55

# ADDENDUMS

THE CITY OF KEY WEST
Post Office Box 1409 Key West, FL 33041-1409 (305) 809-3883

**ADDENDUM NO. 1**
**Glynn Archer Gym Repairs – ITB 18-028**

This addendum is issued as supplemental information to the bid package for clarification of certain matters of both a general and a technical nature. The referenced Invitation to Bid (ITB) package is hereby amended in accordance with the following items:

**Documents attached with this Addendum:**

1) *Missing existing condition drawings, pages EX 1 – EX 5*
2) *The Architect's construction estimate*
3) *Pre-Bid Sign In-Sheet and Meeting Minutes*
4) *Revised Bid Proposal form*

**Additional clarifications and Information:**

1) *The bid opening date has been revised to* ***3:00 pm, July 25, 2018 in the City Clerk's office****.*
2) *During the Pre-Bid, it was stated that the Gym would be opened every morning for additional viewing; however, that statement is hereby rescinded. The Gym will be made available for viewing on July 18, 2018 from 8:00 am till noon.*
3) *The attached Bid Proposal Form has been amended to:*
   a. *Provide in the base bidcost to remove and replace 30% of the existing wood roof decking and joists. Additionally, provide a unit prices to remove and replace additional (or as a credit for less) for decking, and joists.*
   b. *Provide in the base bid cost to remove and replace 30% of the existing wood finished floor and 20% of the existing wood sub-floor. Additionally, provide a unit price to remove and replace additional (or as a credit for less) for finished floor sub-floor.*

All Bidders shall acknowledge receipt and acceptance of this Addendum No. 1 with Attachment by submitting the addendum with their proposal. Proposals submitted without acknowledgement or without this Addendum may be considered non-responsive.

Signature

Pedro Falcon Contractors, Inc.

Name of Business

WILLIAM P. HORN ARCHITECT, PA.
LICENSE NO. AA 0003040
915 EATON ST., KEY WEST, FL. 33040 TEL. 305-296-8302
WWW.WILLIAMPHORNARCHITECTPA.COM

DATE: 06/14/18

GYM RENOVATION PROJECT
1300 WHITE STREET
KEY WEST, FL 33040

PRELIMINARY COST ESTIMATES

PROJECT SCOPE INCLUDES RENOVATNG THE INTERIOR AND EXTERIOR OF THE EXISTING ONE STORY MASONRY HISTORIC GYM BUILDING LOCATED BEHIND CITY HALL AND THE ROOF OF THE SOS BUILDING BEHIND THE GYM. WORK INCLUDES NEW ROOFING, WINDOWS, DOORS, A/C, PLUMBING, ELECTRIC AND PAINT. NEW RESTROOMS, STORAGE AND A MEZZANINE STORAGE AREA (INCLUDING A NEW FLOOR STRUCTURE) HAS BEEN ADDED. DEMOLITION OF THE EXISTING WOOD BLEACHERS IS INCLUDED.

MAIN GYM BUILDING

| | |
|---|---|
| INTERIOR SPACE<br>5,569 SF X $250/SF= | $1,392,250.00 |
| MEZZANINE & STAIR<br>940 SF X $150/ SF= | $141,000.00 |
| MAIN ROOF<br>5569 SF X $30/SF= | $167,070.00 |
| INTERMEDIATE ROOFS<br>1,210 SF X $15/SF= | $18,150.00 |
| DEMOLITION= | $25,000.00 |
| SUB- TOTAL= | $1,743,470.00 |
| CONTIGENCY @ 10%= | $174,347.00 |
| TOTAL= | $1,917,817.00 |
| SOS ROOF<br>4,116 SF X $35/SF= | $144,060.00 |

# Glynn Archer Gym Renovation ITB 18-028

## Pre Construction Meeting 20 December 2017

| *Bidders Name* | *Phone Number* | *Company* | *Email Address* |
|---|---|---|---|
| Kreed Howell | 305-809-3963 | CKW | lhowell@cityofkeywest-fl.gov |
| Jim Bouquet | 305-809-3962 | CKW | jbouquet@cityofkeywest-fl.gov |
| Bill Horn | 305-296-8302 | William Horn Architects | wphorn@aol.com |
| Jimmy Mosomillo | 941 915 4386 | Kenmar G.C | Jmosomillo@kenmargc.com |
| CHRISTIAN BRISSON | 305-587-4013 | PEDRO FALCON CONTRACTORS | Cb@Pedrofalcon.com |
| JOHN A. ONEILL | 240-405-5520 | BURKE CONSTRUCTION GROUP, INC | JONEILL@BCGCONSTRUCTION.NET |
| Ron Gage | 305-510-7587 | Burke Construction Group | RGage@bcgconstruction.Net |
| Chris Vazquez | 305-394-7253 | clvazquez@FLKeyselectric.com | |
| Ryon LaChapelle | 305.304.8406 | SeaTech, Inc. | RYONL@SEATECH.CC |
| TERRY JUSTICE | 305-304-4799 | CKW | tjustice@cityofkeywest-flgov |
| Robert Blanchard | 941.929-9400 | D.L. Porter Constructors | mwhite@dlporter.com |
| Charles Spottswood | 305-360-0802 | Keystar | chas@Keystarconstruction.com |
| Paul Waters | 305-797-1019 | Douglas N. Higgins | Paulw@dnhiggins.com |
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| | | | |
| | | | |

THE CITY OF KEY WEST
1300 White Street, Key West, FL 33040 (305) 809-3963

# Glynn Archer Gymnasium Renovations
# Pre-Bid Meeting Minutes

*Introductions and sign in*

1) **See Addendum #1 for sign-in sheet**

*Project Summary*

1) Interior renovations of the existing gym building to include new ADA compliant restrooms, new interior configuration, mechanical system, plumbing and electrical work. Selective interior demolition to include existing bleachers, sub-floor and restrooms. Exterior work to include replacing windows and doors to match original, new white single ply roofing system inclusive of insulation and concrete spalling repair.
    a. **See Addendum #1 for details regarding scope.**

*Contract Time and Estimated ITB Bid Schedule*

1) Time of Completion
    a. The time of completion of the work to be performed under this Contract is the essence of the Contract. Delays and extensions of time may be allowed in accordance with the provisions stated in the General Conditions. When the Contractor receives a Notice to Proceed, he shall commence work as soon as possible and shall complete all work within the number of calendar days stipulated in this Bid. The term of this contract will be **365** calendar days.
        i. **Nothing Follows**

2) No work periods
    a. As directed by Owner
        i. **Nothing Follows**

3) Final date for inquiries
    a. July 3, 2018
        i. **CHANGED: New Date, July 10, 2018**

4) Final Addendum issued
    a. July 6, 2018
        i. **CHANGED: New Date, July 17, 2018**

5) Bids due by
    a. July 11, 2018
        i. **CHANGED: New Date, 3:00 pm July 25, 2018**
    b. Estimated Notice of Award August 13, 2018
        i. **No Change**
    c. Estimated Notice to Proceed September 3, 2018
        i. **No Change**

*Allowances*

1) There is a $50,000 permitting and utility fee allowance. This allowance is to be used for any permits and associated fees (AIPP, FKAA, KES, etc.) required for the completion of this project. The $50,000 has been added as a line item in the Schedule of Values included with the Contract Documents.

*Allowances Continued*

1) **See addendum #1 for unit price allowances for the roof structure and flooring repair.**

*Subcontractors*

1) All subcontractors including but not limited to electrical, plumbing, carpentry, concrete shall be identified in proposal.
    a. **Nothing Follows**

*Staging and parking*

1) See attached aerial for the location of contractor parking, equipment staging and laydown area. Contractor parking will be limited to 2 parking spaces on the North side of the Gym and the laydown area will be adjacent to Seminary in the right of way on the East side of the building.
    a. **See attached aerial for laydown and parking locations**

*Working hours*

1) City of Key West has a noise ordinance that allows working hours between 8:00 AM to 7:00 PM, Monday through Friday and 9:00 AM to 5:00 PM Saturday.
    a. **Nothing Follows**

*Job site security*

1) Contractor shall be responsible for all safety and security of everything inside the designated limit of work.
    a. **Nothing Follows**

*Limit of Work*

1) Northside: From the face of the building out to the extent of the adjacent parking space
2) Eastside: From the face of the building to the edge of Seminary Street
3) Southside: To be determined (area is adjacent to the SOS kitchen)
4) Westside: From the face of the building out +/- 16.5' (edge of the sidewalk)
    a. **Nothing Follows**

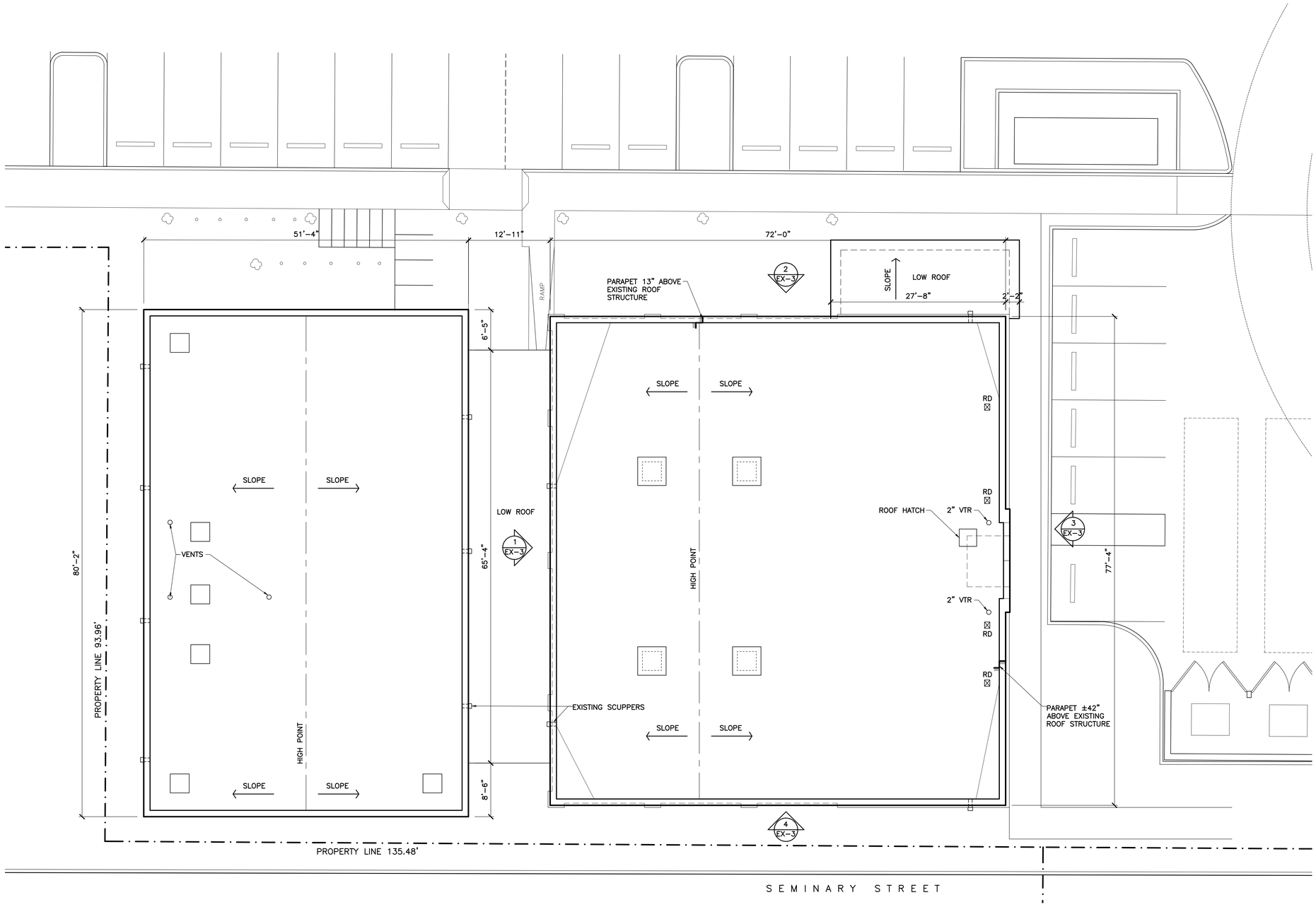
*Existing Utilities*

1) Contractor is responsible for utility location. Notify all utility offices which are affected by construction operations a minimum of 48 hours in advance. Where utility relocation is required in documents, contractor shall coordinate with utility. Relative to the stage of construction, limited water and power needs will be provided by the Owner.
    a. **Nothing Follows**

*General Requirements*

1) Public safety and property is of utmost importance.
2) Contractor shall employ and pay for all independent lab testing as required by the specifications.
3) Contractor shall verify elevations and location of existing facilities shown on drawings prior to start of construction
    a. **Nothing Follows**

**Pre-Bid meeting adjourned 2:30 with the site visit portion adjourning at 2:45.**




## EXISTING PARTIAL SITE/ROOF PLAN

SITE PLAN BASED ON INFORMATION OBTAINED FROM SURVEY PREPARED BY FRED H. HILDEBRANDT, SURVEYOR DATED ON 06/08/1998

SCALE: 1/8"=1'-0"


WILLIAM P. HORN
ARCHITECT , P.A.

915 EATON ST.
KEY WEST,
FLORIDA
33040

TEL. (305) 296-8302
FAX (305) 296-1033

LICENSE NO.
AA 0003040


OLD GYMNASIUM BUILDING
1300 White Street Rear
KEY WEST, FLORIDA.

SEAL

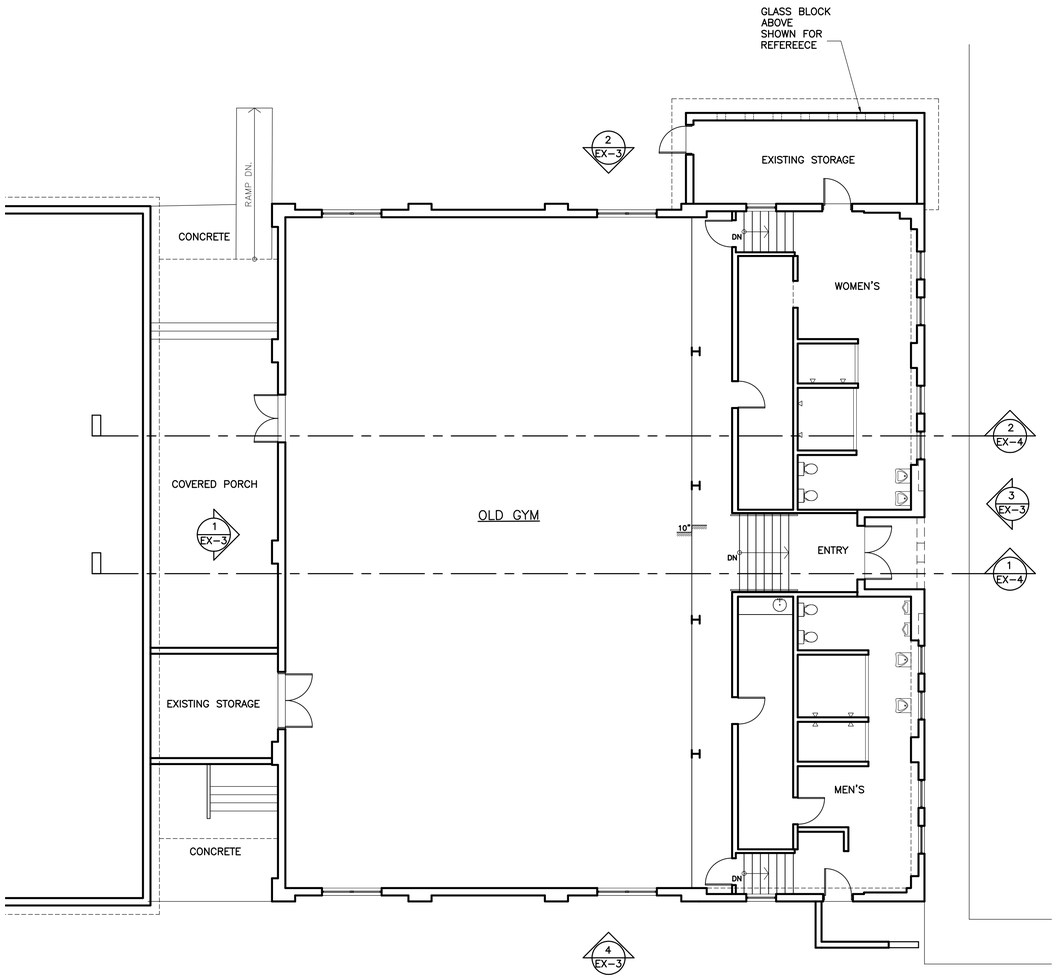
DATE
05-01-17

REVISIONS

DRAWN BY
JW

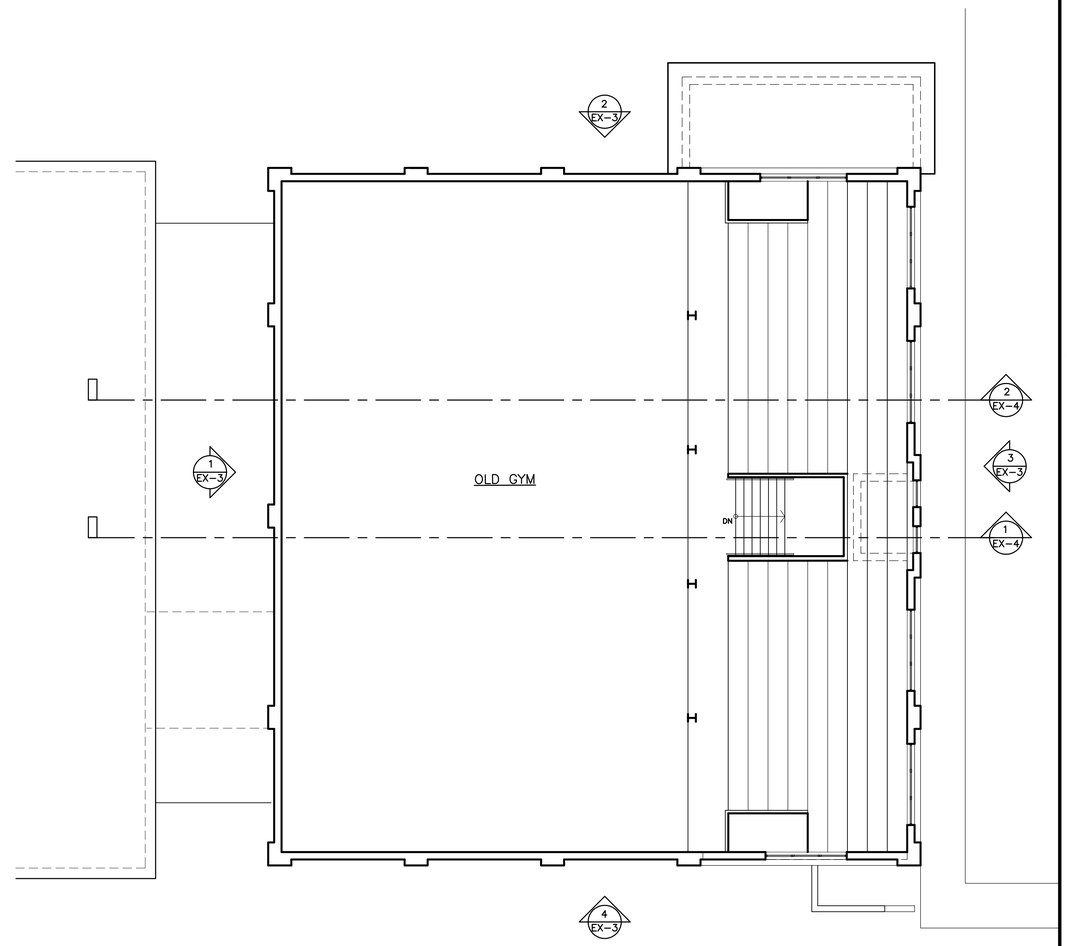
PROJECT NUMBER
1702

Ex-1




## EXISTING FIRST FLOOR PLAN

SCALE: 1/8"=1'-0"




## EXISTING UPPER LEVEL PLAN

SCALE: 1/8"=1'-0"

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OLD GYMNASIUM BUILDING
1300 White Street Rear
KEY WEST, FLORIDA.

SEAL

DATE
05-01-17

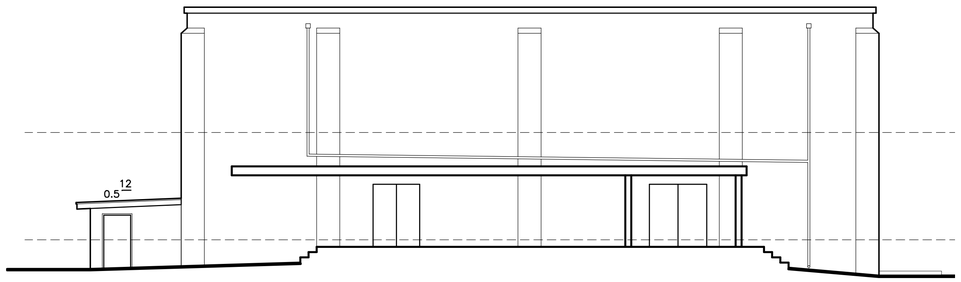
REVISIONS

DRAWN BY
JW

PROJECT NUMBER
1702

Ex-2

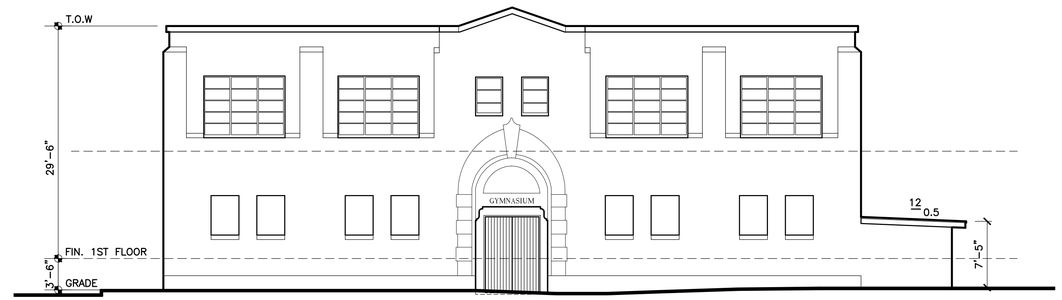
OLD GYMNASIUM BUILDING
1300 White Street Rear
KEY WEST, FLORIDA




1
Ex-3

EXISTING SOUTH ELEVATION

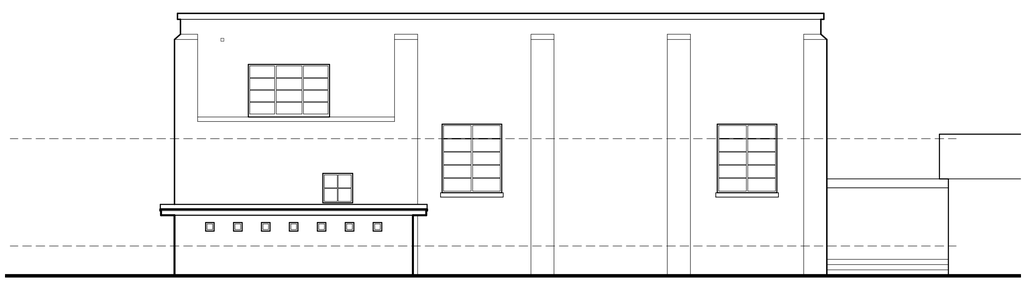
SCALE: 1/8"=1'-0"




3
Ex-3

EXISTING NORTH ELEVATION

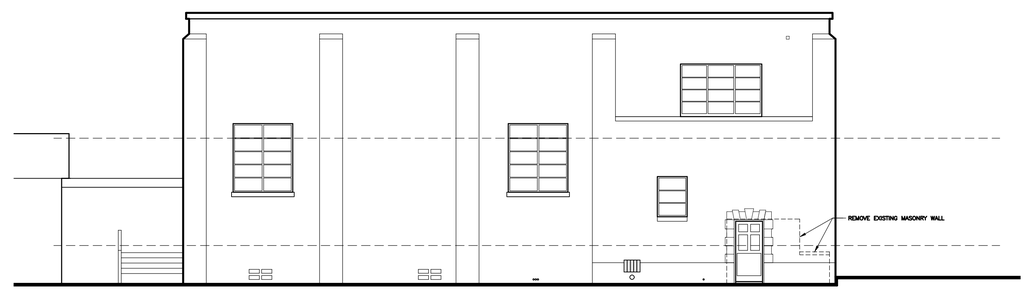
SCALE: 1/8"=1'-0"



2
Ex-3

EXISTING WEST ELEVATION

SCALE: 1/8"=1'-0"




4
Ex-3

EXISTING EAST ELEVATION

SCALE: 1/8"=1'-0"

WILLIAM P. HORN
ARCHITECT , P.A.

915 EATON ST.
KEY WEST,
FLORIDA
33040

TEL. (305) 296-8302
FAX (305) 296-1033

LICENSE NO.
AA 0003040

OLD GYMNASIUM
BUILDING
1300 White Street Rear
KEY WEST, FLORIDA.

SEAL

DATE
05-01-17

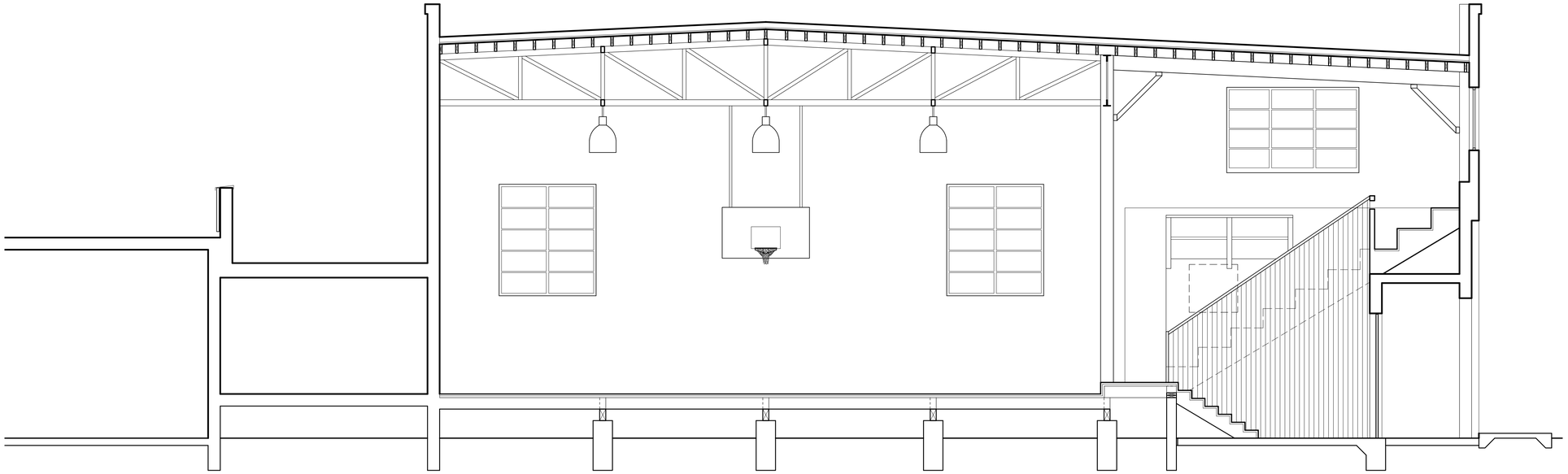
REVISIONS

DRAWN BY
JW

PROJECT
NUMBER
1702

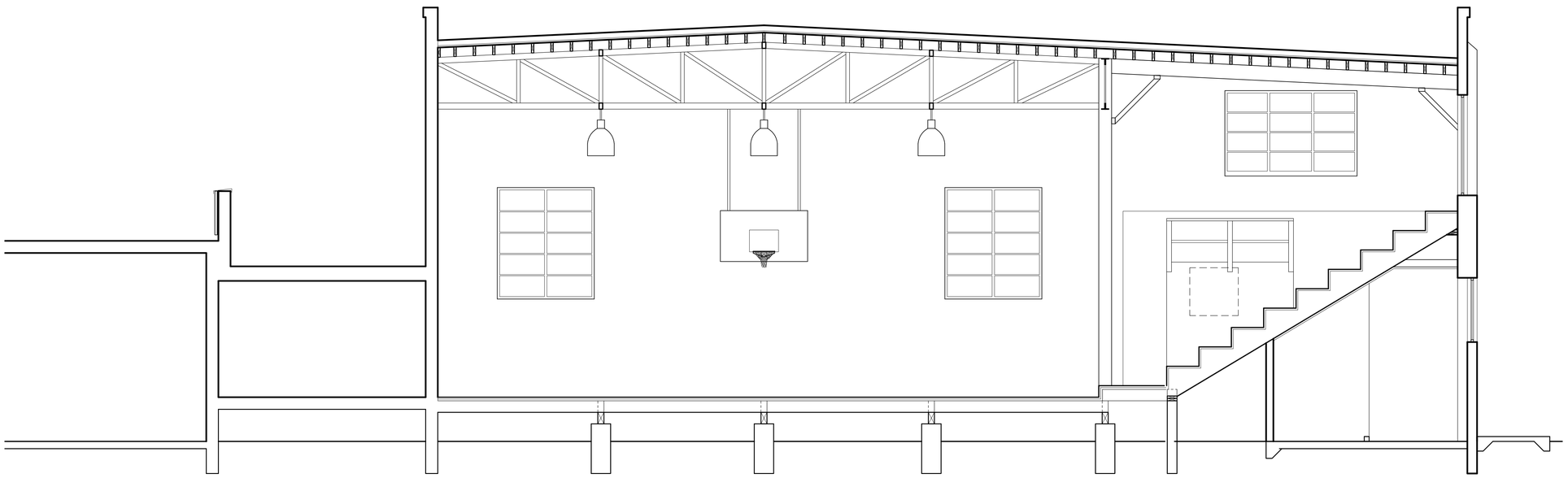
Ex-3

OLD GYMNASIUM BUILDING
1300 White Street Rear
KEY WEST, FLORIDA



1 / Ex-4 EXISTING SECTION - MAIN ENTRY

SCALE: 1/4"=1'-0"



2 / Ex-4 EXISTING SECTION

SCALE: 1/4"=1'-0"


WILLIAM P. HORN
ARCHITECT , P.A.

915 EATON ST.
KEY WEST,
FLORIDA
33040

TEL. (305) 296-8302
FAX (305) 296-1033

LICENSE NO.
AA 0003040


OLD GYMNASIUM
BUILDING
1300 White Street Rear
KEY WEST, FLORIDA.

SEAL

DATE
05-01-17

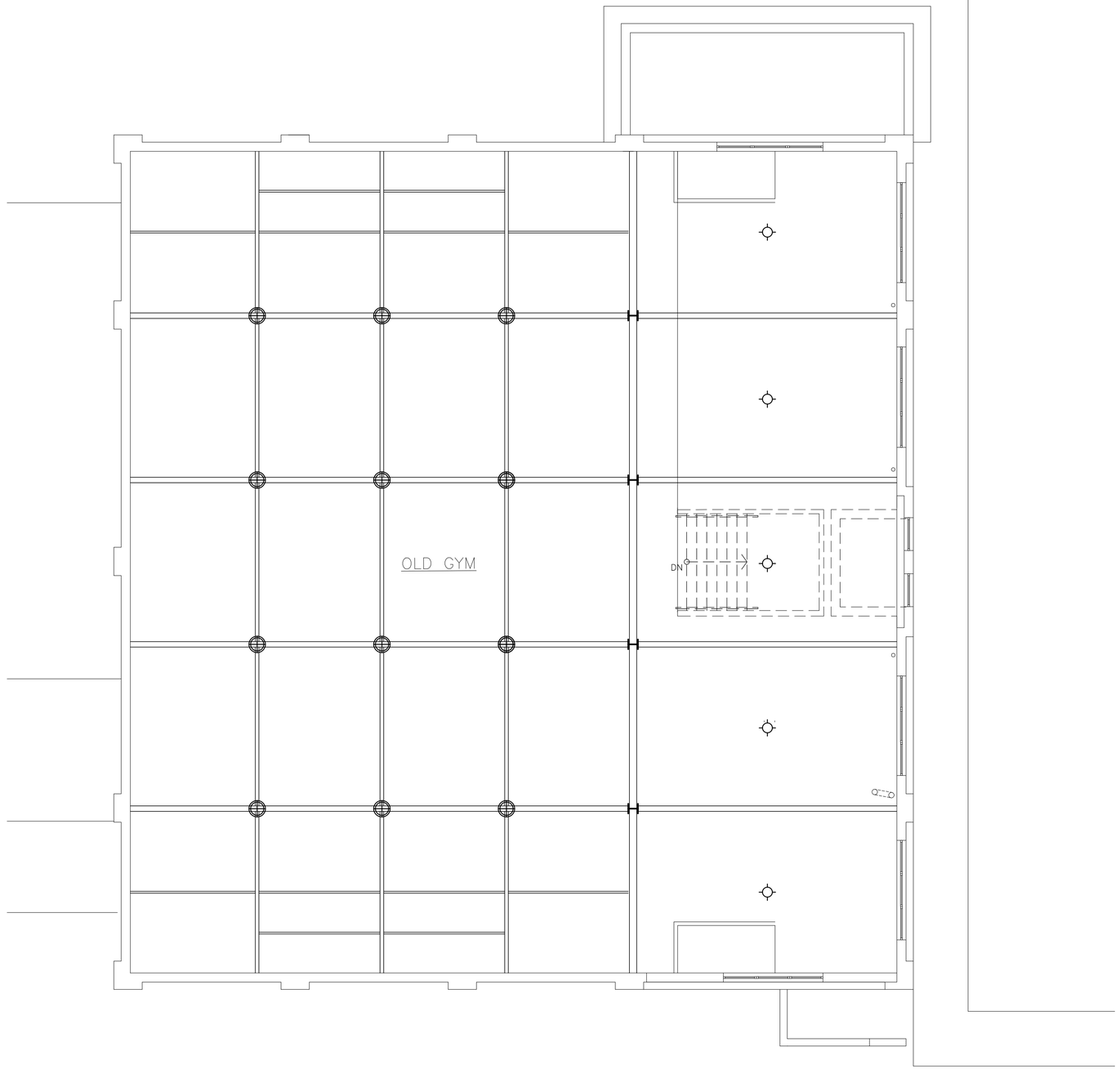
REVISIONS

DRAWN BY
JW

PROJECT
NUMBER
1702

Ex-4

OLD GYMNASIUM BUILDING
1300 White Street Rear
KEY WEST, FLORIDA




EXISTING REFLECTING CEILING PLAN

SCALE: 3/16"=1'-0"

WILLIAM P. HORN
ARCHITECT , P.A.

915 EATON ST.
KEY WEST,
FLORIDA
33040

TEL. (305) 296-8302
FAX (305) 296-1033

LICENSE NO.
AA 0003040

OLD GYMNASIUM
BUILDING
1300 White Street Rear
KEY WEST, FLORIDA.

SEAL

DATE
05-01-17

REVISIONS

DRAWN BY
JW

PROJECT NUMBER
1702

Ex-5

OLD GYMNASIUM BUILDING
1300 White Street Rear
KEY WEST, FLORIDA

NOTE TO BIDDER: Use preferably BLACK ink for completing this BID form.

**PROPOSAL FORM**

| | |
|---|---|
| To: | The City of Key West |
| Address: | 1300 White Street, Key West, Florida 33040 |
| Project Title: | Glynn Archer Gymnasium Renovations<br>ITB 18-028 |

Bidder's contact person for additional information on this BID:

Company Name: _____

Contact Name & Telephone #: _____

Email Address: _____

BIDDER'S DECLARATION AND UNDERSTANDING

The undersigned, hereinafter called the Bidder, declares that the only persons or parties interested in this Bid are those named herein, that this Bid is, in all respects, fair and without fraud, that it is made without collusion with any official of the Owner, and that the Bid is made without any connection or collusion with any person submitting another Bid on this Contract.

The Bidder further declares that he has carefully examined the Contract Documents for the construction of the project, that he has personally inspected the site, that he has satisfied himself as to the quantities involved, including materials and equipment, and conditions of work involved, including the fact that the description of the quantities of work and materials, as included herein, is brief and is intended only to indicate the general nature of the work and to identify the said quantities with the detailed requirements of the Contract Documents, and that this Bid is made according to the provisions and under the terms of the Contract Documents, which Documents are hereby made a part of this Bid.

CONTRACT EXECUTION

The Bidder agrees that if this Bid is accepted, he will, within 10 days, not including Sundays and legal holidays, after Notice of Award, sign the Contract in the form annexed hereto, and will at that time, deliver to the Owner evidence of holding required licenses and certificates, and will, to the extent of his Bid, furnish all machinery, tools, apparatus, and other means of construction and do the work and furnish all the materials necessary to complete all work as specified or indicated in the Contract Documents.

CERTIFICATES OF INSURANCE

Bidder agrees to furnish the Owner, before commencing the work under this Contract, the certificates of insurance as specified in these Documents.

START OF CONSTRUCTION AND CONTRACT COMPLETION TIME

The Bidder further agrees to begin work within 10 calendar days after the date of the Notice to proceed and to complete the project, in all respects within ***365*** calendar days after the date of the Notice to Proceed.

LIQUIDATED DAMAGES

In the event the Bidder is awarded the Contract and shall fail to complete the work within the time limit or extended time limit agreed upon, as more particularly set forth in the Contract Documents, liquidated damages shall be paid to the Owner at the rate of $500.00 per day for all work awarded until the work has been satisfactorily completed as provided by the Contract Documents.

ADDENDA

The Bidder hereby acknowledges that he has received Addenda No's. ____, _____, ____, _____, ____, ____, _____, _____, _____, _____, _____, _____, _____, _____, (Bidder shall insert No. of each Addendum received) and agrees that all addenda issued are hereby made part of the Contract Documents, and the Bidder further agrees that his Bid(s) includes all impacts resulting from said addenda.

SALES AND USE TAXES

The Bidder agrees that all federal, state, and local sales and use taxes are included in the stated bid prices for the work.

LUMP SUM ITEMS

The Bidder further proposes to accept as full payment for the work proposed herein the amounts computed under the provisions of the Contract Documents and based on the following lump sum amounts. The Bidder agrees that the lump sum represent a true measure of the labor and materials required to perform the work, including all allowances for overhead and profit for each type and unit of work called for in these Contract Documents.

LUMP SUM PRICE BID

Lump sum bid prices stated in this proposal include all costs and expenses for labor, equipment, materials, disposal and contractor's overhead and profit. All work and incidental costs shall be included for payment under the several scheduled items of the overall contract, and no separate payment will be made therefore.

**LUMP SUM BASE BID**

**Lump Sum Base Bid** (Inclusive of all permitting, fixtures, equipment, material and labor):

LUMP SUM $ _____

_____Dollars & _____Cents
(amount written in words)

Base bid shall also include:

1. Removing and replacing with new 30% of the existing wood roof decking and joists.
2. Removing and replacing with new 30% of the existing wood finished floor and 20% of the existing wood sub-floor.

**UNIT PRICES**

The Bidder further proposes to accept as full payment for unit price work proposed herein the amounts computed under the provisions of the Contract Documents and based on the following unit price amounts, it being expressly understood that the unit prices are independent of the exact quantities involved. The Bidder agrees that the unit prices represent a true measure of the labor and materials required to perform the work, including all allowances for overhead and profit for each type and unit of work called for in these Contract Documents.

Provide unit pricing to remove and replace with new decking (per square foot) and for joists should actual (field measured) quantities vary from the 30% included in the base bid.

**Roof Decking:**

UNIT PRICE (Add/Deduct), per square foot $_____

**Roof Joists:**

UNIT PRICE (Add/Deduct), per linear foot $_____

Provide uniting price, per square foot, to remove and replace with new finished floor and sub-floor should actual (field measured) quantities vary from that allocated in the base bid.

**Finished Wood Flooring:**

UNIT PRICE (Add/Deduct), per square foot $_____

**Wood Sub-floor:**

UNIT PRICE (Add/Deduct), per square foot $_____

***The unit price provided will be used as a credit if the replacement is less than the allocated amount.***

**Additive Bid Alternate No. 1 – Selective Demolition and Installation of a New Single Ply Roof System of the Attached Structure (SOS Kitchen):**

SCOPE OF BID ALTERNATE: See Division 7 in the attached specifications regarding the scope of work required for the selective demolition and installation of the roofing system included in the original Scope of Work.

LUMP SUM (Add) $_____

**Additive Bid Alternate No. 2 – Provide lightning protection system for the main gym structure and intermediate lower roof:**

SCOPE OF BID ALTERNATE: See detail 1/A – 5.3 in the attached drawings regarding the scope of work required for this alternate.

LUMP SUM (Add) $_____

**Additive Bid Alternate No. 3 – Provide lightning protection system for the adjacent "SOS" building:**

SCOPE OF BID ALTERNATE: See detail 1/A – 5.3 in the attached drawings regarding the scope of work required for this alternate.

LUMP SUM (Add) $_____

NOTE: OWNER HAS THE RIGHT TO ACCEPT OR REJECT THE BID ALTERNATE. THE TOTAL OF BASE BID PLUS THE SUM OF OWNER SELECTED BID ALTERNATE WILL A BASIS OF EVALUATING LOW BIDDER AND SASIS OF AWARD.

BIDDER REPRESENTATION

The undersigned, hereinafter called the Bidder, declares that the only persons or parties interested in this Proposal are those named herein, that this Proposal is, in all respects, fair and without fraud, that it is made without collusion with any official of the Owner, and that the Proposal is made without any connection or collusion with any person submitting another Proposal on this Contract.

I represent that this bid is submitted in compliance with all terms, conditions and specifications of the Invitation to Bid and that I am authorized by the owners/principals to execute and submit this proposal on behalf of the business identified below:

THE CITY OF KEY WEST
Post Office Box 1409 Key West, FL 33041-1409 (305) 809-3883

# ADDENDUM NO. 2
# Glynn Archer Gym Repairs – ITB 18-028

This addendum is issued as supplemental information to the bid package for clarification of certain matters of both a general and a technical nature. The referenced Invitation to Bid (ITB) package is hereby amended in accordance with the following items:

**Documents attached with this Addendum:**

1) *Revised Electrical Drawings Pages E-1, E-3 and E-5 and E-6*

**Additional clarifications and Information:**

Additions: Per discussions during the pre-bidders conference, the attached drawings include/address the questions below as well as addressing the connection to the existing generator.

1) *Question: Page 1 of the Invitation to Bid states: "Please submit… sections entitled "Bidding Requirements and Contract Forms…" If we are required to submit Part 2, Contract Forms …What is the contractor required to complete and execute in Part 2, Contract Forms since it has the Contract, Payment and Performance Bond and Payment Bond which are usually provided after the award?*
    a. **Disregard part 2, a clean Contract will be provided when the Notice of Award is issued.**

2) *Question: Sheet A-8 states "Division 16 – Electrical (See Electrical Drawings)". No Electrical Specifications are found in the RFP or the Drawings. Please provide.*
    a. **See attached**

3) *Question: On Sheet E-1 "Typical Cat 5 Cable" is showing corrupted **fonts**. Can this be corrected so that it can be read?*
    a. **See attached**

4) *Question: On Sheet E-1 the Lighting Power Density Chart is both incomplete and showing an incorrect quantity of lights. Please provide a complete and corrected chart.*
    a. **See attached**

5) *Question: No Lighting Schedule is found on any of the drawings. Please provide a Lighting Schedule.*
    a. **See attached**

6) *Question: On the bottom left of A-3 drawings, it calls for to "Provide an Alternate to add 8'x 8" acoustical panels"; however, the proposal form only shows 3 alternates which none are for acoustical panels. Will this be added to the proposal form or this alternate be deleted?*
    a. **Disregard the requested alternate for acoustical panels on sheet A-3**

7) *Detail 8 on A-5.3 calls for to provide complete set of shop drawings, signed and sealed by Florida Registered engineer, meeting all required wind loads and codes for this project.*
    *To be able to provide these shop drawings, the Engineer of Record has to provide the wind loading for these louvers. Can you please provide the wind loading for these louvers?*

a. **See Component and Cladding Wind Pressures detail (Roof zone 3) on Page S-1.2 of the Construction Drawings.**

All Bidders shall acknowledge receipt and acceptance of this Addendum No. 1 with Attachment by submitting the addendum with their proposal. Proposals submitted without acknowledgement or without this Addendum may be considered non-responsive.

Signature

Pedro Falcon Contractors, Inc.

Name of Business

## LUMINAIRE SCHEDULE

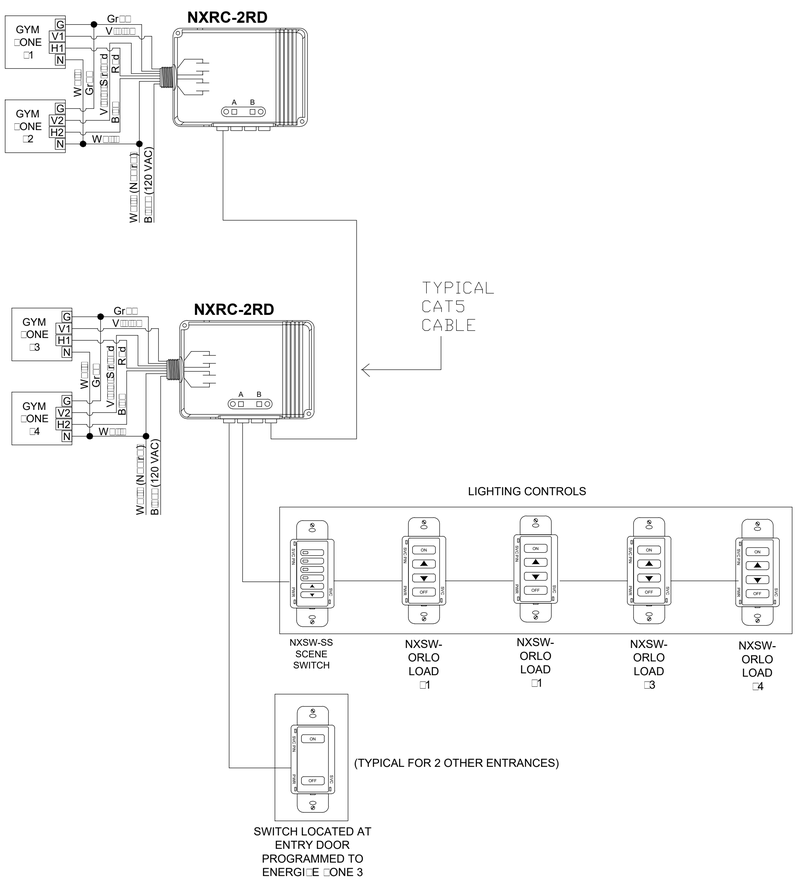
| Symbol | Label | Description |
|---|---|---|
| | A | COLUMBIA LLHV4-35M-WST-EDU MOUNTED AT 18.5ft A.F.F. |
| | B | COLUMBIA LLHV4-35L-WST-EDU |
| | C | COLUMBIA LXEM4-40ML-DFA-EU |
| | D | COLUMBIA CWM2-35MLxx-FRyy-EDU |
| | E | NOT USED |
| | F | DMF DRDHNIC4-DRD2M10935-DRD2TS4SWH |
| | G | MAXILUME SCH6-LED-PMX-X(LENGTH)-WH-1200L-DIMTR-120-MD-35K-85+-HH6501-SHZ-WH 6" LED DOWNLIGHT |
| | H | SAME AS FIXTURE "C", FIXTURE TO BE OUTDOOR RATED. |
| | J | COLUMBIA MPS 2-35-ML-3600-C-W-E-U WITH OCC SENSOR |
| | K | COLUMBIA LXEN 4-35-LW-RFA-E-U PROVIDE WITH PHOTOCEL |
| | EBU | EVENLITE TELESIS TCL-2-W PROVIDE TCVS FOR OUTDOORS |
| | X | EVENLITE TELESIS TEXZ-EM-G, 1C FOR SINGLE FACE |

FIXTURE LABELS WITH AN E SHALL BE PROVIDED WITH INTEGRAL EMERGENCY BATTERY PACKS

## LIGHTING POWER DENSITY

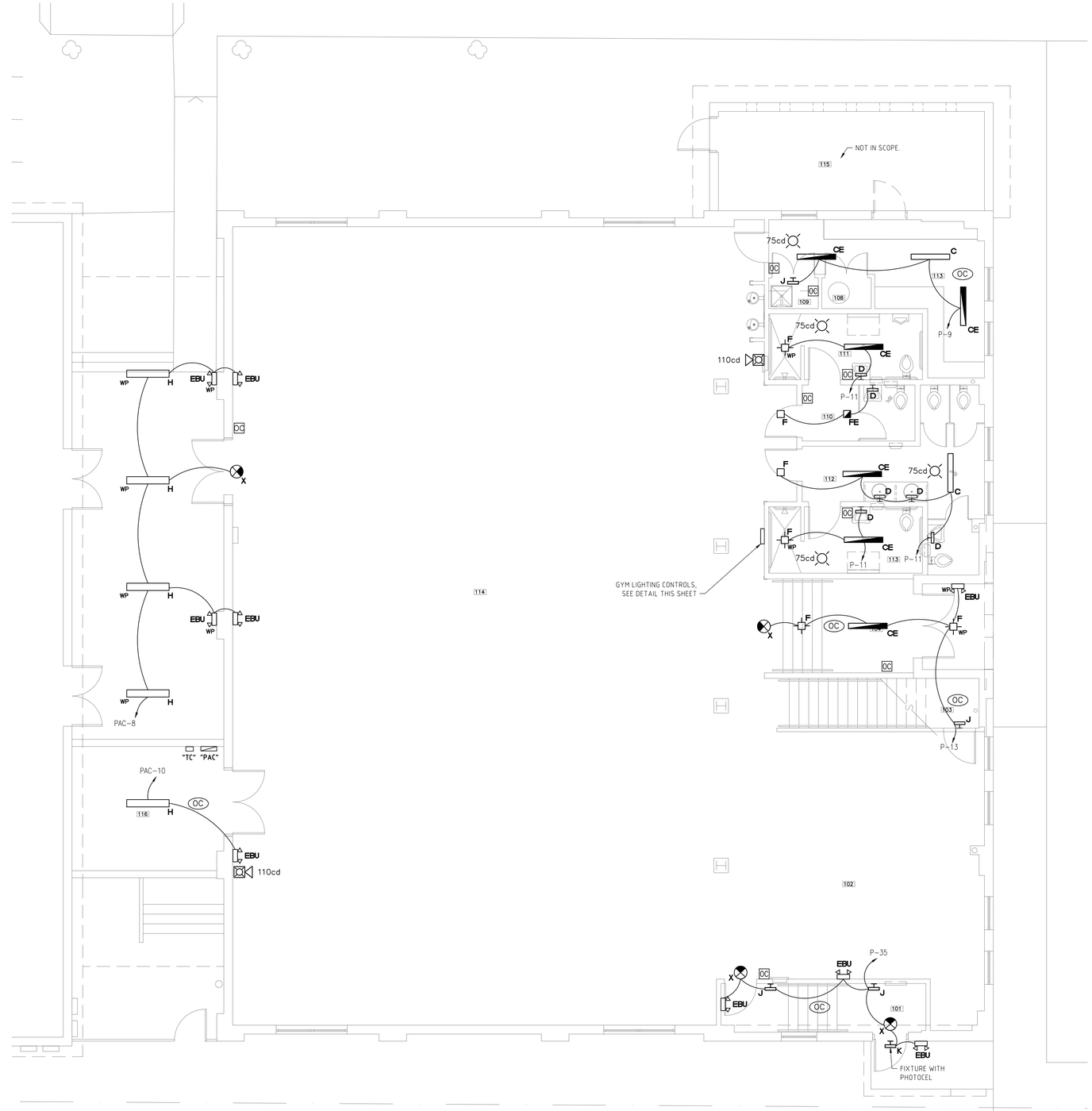
| SPACE | Label | Qty (1) | Lum. Watts | Total Watts | AREA S.F. | LPD Watts/SF |
|---|---|---|---|---|---|---|
| GYM | A | 19 | 154.8 | 2,941 | 4,340 | 0.68 |
| MEZZ. STORAGE | B | 2 | 109.2 | 218 | 640 | 0.34 |
| MECH ROOM | C | 1 | 47 | 47 | 128 | 0.37 |
| FIRST FL STORAGE 113 | C, J | 3, 1 | 47, 13.8 | 155 | 203 | 0.76 |
| STORAGE 116 | H | 1 | 47 | 47 | 165 | 0.28 |
| RESTROOMS/SHOWERS | C, D, F | 4, 6, 5 | 13.5 | 335 | 416 | 0.81 |
| COVERED PORCH | H | 4 | 47 | 188 | 618 | 0.30 |
| STAIRWAY | G | 2 | 17 | 34 | 138 | 0.25 |
| ENTRYWAY 101 | J | 2 | 13.8 | 28 | 72 | 0.39 |
| ENTRYWAY 104 | C, F | 1, 2 | 47, 12.8 | 73 | 180 | 0.40 |
| TOTAL | - | - | - | 4,066 | 6,900 (2) | 0.65 |

(1) FIXTURE QUANTITY IS PROVIDED FOR LPD AND SHALL NOT BE USED FOR BIDDING QUANTITY.
(2) AREA INCLUDES SOME OUTDOOR AREAS.




## GYMNASIUM LIGHTING CONTROL DIAGRAM

SCALE: NONE




## PROPOSED FIRST FLOOR LIGHTING PLAN

SCALE: 3/16"=1'-0"


WILLIAM P. HORN
ARCHITECT, P.A.

915 EATON ST.
KEY WEST,
FLORIDA
33040

TEL. (305) 296-8302
FAX (305) 296-1033

LICENSE NO.
AA 0003040


OLD GYMNASIUM BUILDING
1300 White Street Rear
KEY WEST, FLORIDA.

SEAL
Donald H. Austin, Jr. PE
FL PE No. 60651

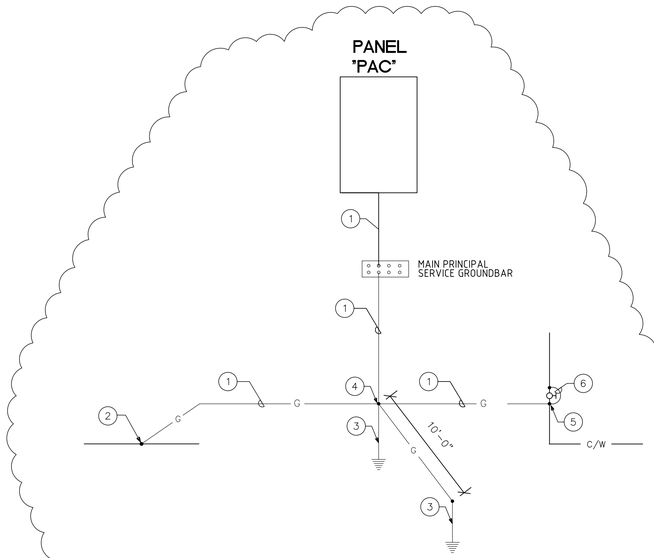
DATE
05-15-17 HARC
01-23-18 REV
05-09-18 BID
06-08-18 BLDG. DEPT.

REVISIONS
1 07/06/18 BID RFI

DRAWN BY
DA

PROJECT NUMBER
1702

E-1

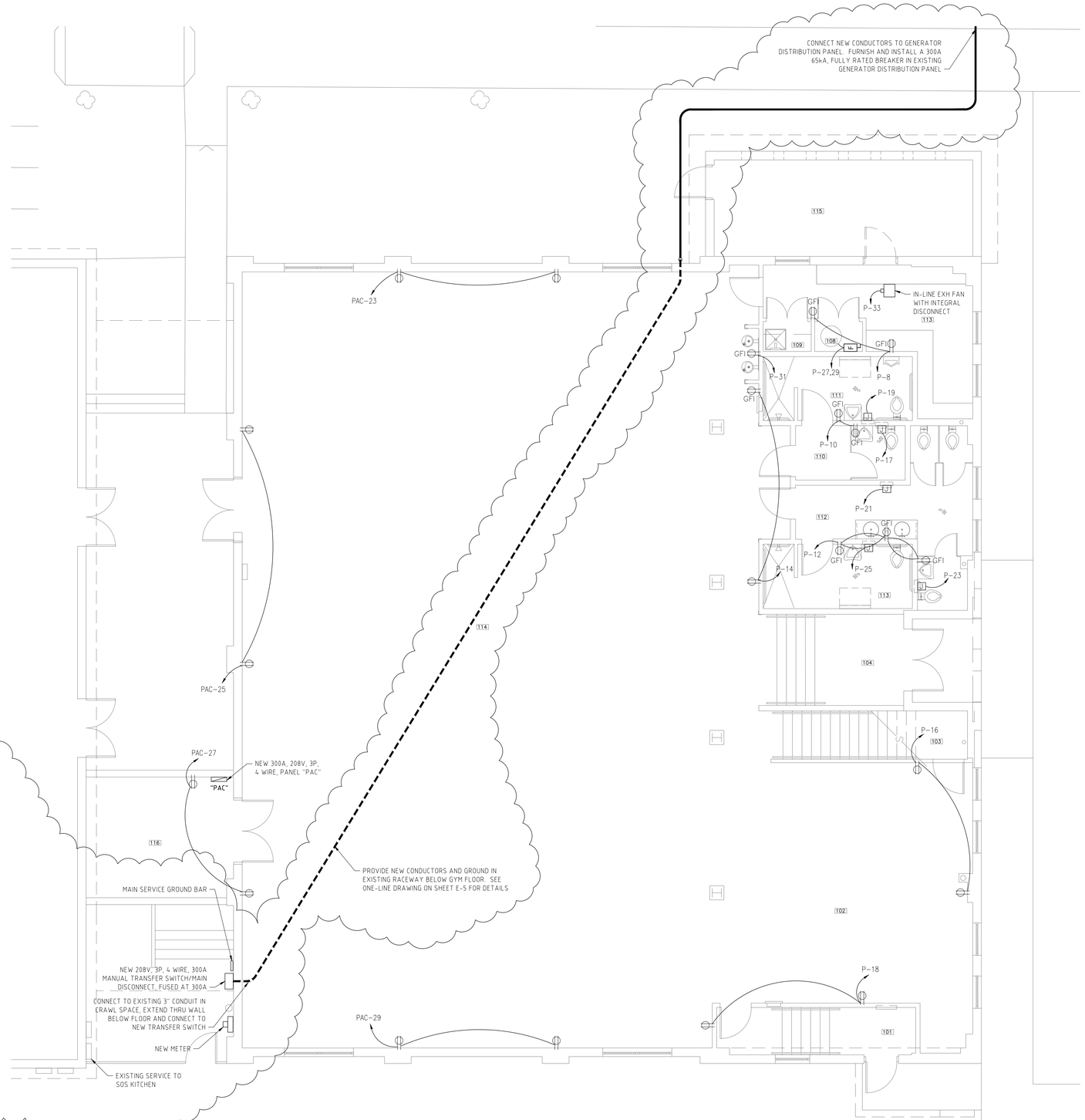



## GROUNDING SYSTEM DETAIL

SCALE: NONE

### KEY NOTES – GROUNDING

1. (1) #3/0 GROUNDING ELECTRODE CONDUCTOR IN 1" SCHEDULE 40 PVC CONDUIT.
2. EXOTHERMIC CONNECTION. ELECTRICALLY CONTINUOUS STEEL REINFORCING BAR (20FT MIN. LENGTH) IN BOTTOM OF BUILDING FOUNDATION IN DIRECT CONTACT WITH EARTH.
3. 20 FT. LONG x 3/4" DIAMETER COPPER DRIVEN GROUND ELECTRODE.
4. EXOTHERMIC CONNECTION. (TYPICAL)
5. MAKE CONNECTION TO METALLIC COLD WATER ENTRANCE PIPE BEFORE FIRST VALVE WITH HEAVY DUTY BRONZE GROUND CLAMP.
6. PROVIDE (1) 3/0 BONDING JUMPER AROUND FIRST VALVE.




## PROPOSED FIRST FLOOR POWER PLAN

SCALE: 3/16"=1'-0"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ARCHITECT , P.A.

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REVISIONS
2 07/09/18 OWNER CHANGES

DRAWN BY
DA

PROJECT NUMBER
1702

E-3

MFG SQUARE 'D' OR EQUAL | TYPE NQ | KEY NOTES: 1 & 2 | PANEL RATING 300 AMPS
VOLTS 120/208V 3Φ4W | PANEL PAC (NEW PANEL)

| BUS A (KVA) | BUS B (KVA) | BUS C (KVA) | LOAD | KEY NOTES | COND | WIRE SIZE | GND | AMPS | CKT | CKT | AMPS | GND | WIRE SIZE | COND | KEY NOTES | LOAD | BUS A (KVA) | BUS B (KVA) | BUS C (KVA) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0.7 | | | BREEZEWAY ROOF RECEPT. | | - | - | - | - | 1 | 2 | 100 | 8 | 3 | 1-1/4" | | RTU-1 | 7.4 | | |
| | 3.0 | | CU-1 | | 3/4" | 10 | 10 | 35 | 3 | 4 | | | | | | | | 7.4 | |
| | | 3.0 | | | | | | | 5 | 6 | | | | | | | | | 7.4 |
| 3.0 | | | CU-2 | | 3/4" | 10 | 10 | 35 | 7 | 8 | 20 | 12 | 12 | 1/2" | | BREEZEWAY LIGHTING | 0.5 | | |
| | 3.0 | | | | | | | | 9 | 10 | 20 | 12 | 12 | 1/2" | | ROOF AND ST. RM. LTG. | | 0.5 | |
| | | 3.0 | CU-3 | | 3/4" | 10 | 10 | 35 | 11 | 12 | - | - | - | - | | | | | |
| 3.0 | | | | | | | | | 13 | 14 | - | - | - | - | | | | | |
| | 3.0 | | CU-4 | | 3/4" | 10 | 10 | 35 | 15 | 16 | 200 | 6 | 3/0 | 2" | | PANEL "P1" | | 20.8 | |
| | | 3.0 | | | | | | | 17 | 18 | - | - | - | - | | | | | 20.8 |
| 3.0 | | | CU-5 | | 3/4" | 10 | 10 | 35 | 19 | 20 | - | - | - | - | | | 20.8 | | |
| | 3.0 | | | | | | | | 21 | 22 | - | - | - | - | | | | 0.0 | |
| | | 0.7 | RECEPTACLES | | 1/2" | 12 | 12 | 20 | 23 | 24 | - | - | - | - | | | | | 0.0 |
| 0.7 | | | RECEPTACLES | | 1/2" | 12 | 12 | 20 | 25 | 26 | - | - | - | - | | | 0.0 | | |
| | 0.7 | | RECEPTACLES | | 1/2" | 12 | 12 | 20 | 27 | 28 | - | - | - | - | | | | 0.0 | |
| | | 0.7 | RECEPTACLES | | 1/2" | 12 | 12 | 20 | 29 | 30 | - | - | - | - | | | | | 0.0 |
| 0.0 | | | | | - | - | - | - | 31 | 32 | - | - | - | - | | | 0.0 | | |
| | -12.0 | | | 3 | - | - | - | - | 33 | 34 | - | - | - | - | | | | 0.0 | |
| | | -9.0 | | 3 | - | - | - | - | 35 | 36 | - | - | - | - | | | | | 0.0 |
| -9.0 | | | | 3 | - | - | - | - | 37 | 38 | - | - | - | - | | | 0.0 | | |
| | 0.0 | | | | - | - | - | - | 39 | 40 | - | - | - | - | | | | 0.0 | |
| | | 0.0 | | | - | - | - | - | 41 | 42 | - | - | - | - | | | | | 0.0 |

| TOTALS | | |
|---|---|---|
| KVA ΦA | KVA ΦB | KVA ΦC |
| 30.1 | 29.4 | 29.6 |

LOAD CALCULATIONS PER NEC 220

| | | | |
|---|---|---|---|
| 1ST 10KVA OF RECEPS. | 0.0 | AT 100% | 0.0 |
| REMAINDER OF RECEPS. | 0.0 | AT 50% | 0.0 |
| LIGHTING | 0.0 | AT 125% | 0.0 |
| LARGEST MOTOR | 0.0 | AT 125% | 0.0 |
| WATER HEATER | 0.0 | AT 125% | 0.0 |
| KITCHEN EQUIPMENT | 0.0 | AT 65% | 0.0 |
| REMAINDER OF LOADS | | AT 100% | 89.1 |
| | | TOTAL KVA | 89.1 |
| | | TOTAL AMPS | 247.3 |

REMARKS & KEY NOTES

1. MAIN LUGS ONLY. ELECTRICAL CONTRACTOR SHALL PROVIDE AN ACCURATE PER FIELD CONDITIONS, TYPED UP PANEL SCHEDULE UPON COMPLETION OF THE PROJECT.
2. VERIFY ELECTRICAL REQUIREMENTS OF ALL EQUIPMENT PRIOR TO CONSTRUCTION; ALL EQUIPMENT'S ELECTRICAL REQUIREMENTS SHALL BE CONFIRMED WITH MFG SPECS. VERIFY VOLTAGE, AMPERAGE, AND BREAKER SIZES.
3. REDUCTION DUE TO NON CONCURRENT LOAD WITH AHUS AND THE ELECTRIC HEATERS. CONDENSING UNITS ARE THE LOWER OF THE TWO LOADS.

* SEE POWER RISER FOR WIRE & CONDUIT SIZES

MOUNT SURFACE MIN A.I.C. 65,000A

MFG SQUARE 'D' OR EQUAL | TYPE NQ | KEY NOTES: 1, 2 | PANEL RATING 200 AMPS
VOLTS 120/208V 3Φ4W | PANEL P1 (NEW PANEL)

| BUS A (KVA) | BUS B (KVA) | BUS C (KVA) | LOAD | KEY NOTES | COND | WIRE SIZE | GND | AMPS | CKT | CKT | AMPS | GND | WIRE SIZE | COND | KEY NOTES | LOAD | BUS A (KVA) | BUS B (KVA) | BUS C (KVA) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1.1 | | | LIGHTING Gym Zone 1 | | 1/2" | 12 | 12 | 20 | 1 | 2 | 20 | 12 | 12 | 1/2" | | RECEPTACLES | 0.7 | | |
| | 0.6 | | LIGHTING Gym Zone 2 | | 1/2" | 12 | 12 | 20 | 3 | 4 | 20 | 12 | 12 | 1/2" | | RECEPTACLES | | 0.7 | |
| | | 0.6 | LIGHTING Gym Zone 3 | | 1/2" | 12 | 12 | 20 | 5 | 6 | 20 | 12 | 12 | 1/2" | | RECEPTACLES | | | 0.7 |
| 0.6 | | | LIGHTING Gym Zone 4 | | 1/2" | 12 | 12 | 20 | 7 | 8 | 20 | 12 | 12 | 1/2" | | RECEPTACLES | 0.7 | | |
| | 0.4 | | LIGHTING 1st Floor Storage | | 1/2" | 12 | 12 | 20 | 9 | 10 | 20 | 12 | 12 | 1/2" | | RECEPTACLES | | 0.7 | |
| | | 0.7 | LIGHTING Restrooms | | 1/2" | 12 | 12 | 20 | 11 | 12 | 20 | 12 | 12 | 1/2" | | RECEPTACLES | | | 0.7 |
| 0.5 | | | LIGHTING Entry 101 | | 1/2" | 12 | 12 | 20 | 13 | 14 | 20 | 12 | 12 | 1/2" | | RECEPTACLES | 0.7 | | |
| | 0.5 | | LIGHTING 2nd Floor Storage | | 1/2" | 12 | 12 | 20 | 15 | 16 | 20 | 12 | 12 | 1/2" | | RECEPTACLES | | 0.7 | |
| | | 1.5 | Hand Dryer Room 110 | | 1/2" | 12 | 12 | 20 | 17 | 18 | 20 | 12 | 12 | 1/2" | | RECEPTACLES | | | 0.7 |
| 1.5 | | | Hand Dryer Room 111 | | 1/2" | 12 | 12 | 20 | 19 | 20 | 20 | - | - | - | | SPARE | 0.0 | | |
| | 1.5 | | Hand Dryer Room 112 | | 1/2" | 12 | 12 | 20 | 21 | 22 | 50 | 10 | 8 | 3/4" | | AHU-1 | | 3.7 | |
| | | 1.5 | Hand Dryer Room 112 | | 1/2" | 12 | 12 | 20 | 23 | 24 | | | | | | | | | 3.7 |
| 1.5 | | | Hand Dryer Room 113 | | 1/2" | 12 | 12 | 20 | 25 | 26 | 50 | 10 | 8 | 3/4" | | AHU-2 | 3.7 | | |
| | 2.3 | | WATER HEATER | | 3/4" | 8 | 10 | 40 | 27 | 28 | | | | | | | | 3.7 | |
| | | 2.3 | | | | | | | 29 | 30 | 50 | 10 | 8 | 3/4" | | AHU-3 | | | 3.7 |
| 0.5 | | | RECEPT. WATER COOLER | | 1/2" | 12 | 12 | 20 | 31 | 32 | | | | | | | 3.7 | | |
| | 0.7 | | EXHAUST FAN EF-1 | | 1/2" | 12 | 12 | 20 | 33 | 34 | 50 | 10 | 8 | 3/4" | | AHU-4 | | 3.7 | |
| | | 0.7 | LIGHTING | | 1/2" | 12 | 12 | 20 | 35 | 36 | | | | | | | | | 3.7 |
| 0.0 | | | SPACE | | - | - | - | - | 37 | 38 | 50 | 10 | 8 | 3/4" | | AHU-5 | 3.7 | | |
| | 0.0 | | SPACE | | - | - | - | - | 39 | 40 | | | | | | | | 3.7 | |
| | | 0.0 | SPACE | | - | - | - | - | 41 | 42 | - | - | - | - | | SPACE | | | 0.0 |

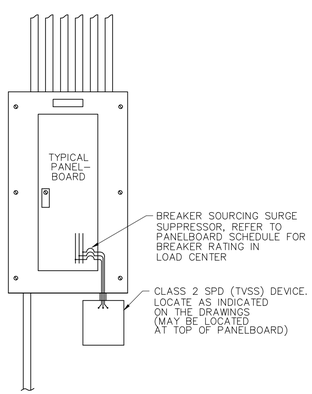
| TOTALS | | |
|---|---|---|
| KVA ΦA | KVA ΦB | KVA ΦC |
| 18.9 | 22.9 | 20.5 |

LOAD CALCULATIONS PER NEC 220

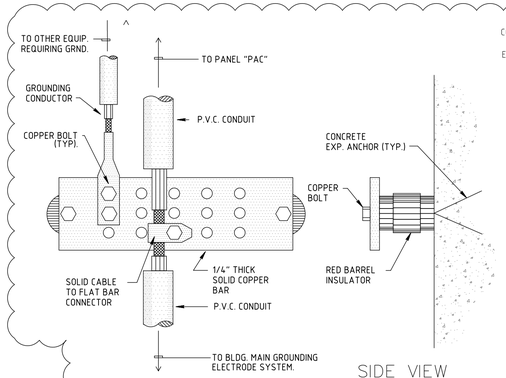
| | | | |
|---|---|---|---|
| 1ST 10KVA OF RECEPS. | 0.0 | AT 100% | 0.0 |
| REMAINDER OF RECEPS. | 0.0 | AT 50% | 0.0 |
| LIGHTING | 0.0 | AT 125% | 0.0 |
| LARGEST MOTOR | 0.0 | AT 125% | 0.0 |
| WATER HEATER | 0.0 | AT 125% | 0.0 |
| KITCHEN EQUIPMENT | 0.0 | AT 65% | 0.0 |
| REMAINDER OF LOADS | | AT 100% | 62.3 |
| | | TOTAL KVA | 62.3 |
| | | TOTAL AMPS | 172.9 |

REMARKS & KEY NOTES

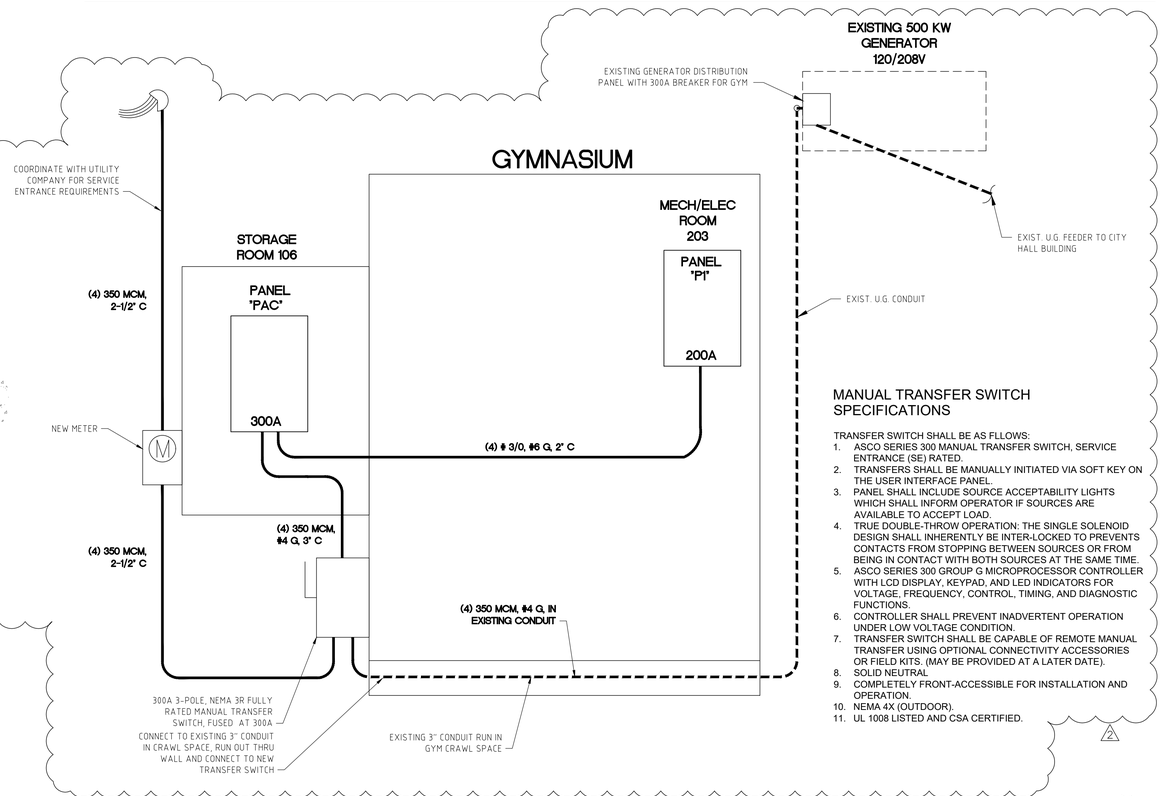
1. MAIN LUGS ONLY.
2. VERIFY ELECTRICAL REQUIREMENTS OF ALL EQUIPMENT PRIOR TO CONSTRUCTION; ALL EQUIPMENT'S ELECTRICAL REQUIREMENTS SHALL BE CONFIRMED WITH MFG SPECS. VERIFY VOLTAGE, AMPERAGE, AND BREAKER SIZES.




**SPD (TVSS) EXTERIOR OPTIONAL MOUNTING DETAILS**
SCALE: NOT TO SCALE




**GROUND BAR DETAIL**
SCALE: NOT TO SCALE




MANUAL TRANSFER SWITCH SPECIFICATIONS

TRANSFER SWITCH SHALL BE AS FLLOWS:

1. ASCO SERIES 300 MANUAL TRANSFER SWITCH, SERVICE ENTRANCE (SE) RATED.
2. TRANSFERS SHALL BE MANUALLY INITIATED VIA SOFT KEY ON THE USER INTERFACE PANEL.
3. PANEL SHALL INCLUDE SOURCE ACCEPTABILITY LIGHTS WHICH SHALL INFORM OPERATOR IF SOURCES ARE AVAILABLE TO ACCEPT LOAD.
4. TRUE DOUBLE-THROW OPERATION: THE SINGLE SOLENOID DESIGN SHALL INHERENTLY BE INTER-LOCKED TO PREVENTS CONTACTS FROM STOPPING BETWEEN SOURCES OR FROM BEING IN CONTACT WITH BOTH SOURCES AT THE SAME TIME.
5. ASCO SERIES 300 GROUP G MICROPROCESSOR CONTROLLER WITH LCD DISPLAY, KEYPAD, AND LED INDICATORS FOR VOLTAGE, FREQUENCY, CONTROL, TIMING, AND DIAGNOSTIC FUNCTIONS.
6. CONTROLLER SHALL PREVENT INADVERTENT OPERATION UNDER LOW VOLTAGE CONDITION.
7. TRANSFER SWITCH SHALL BE CAPABLE OF REMOTE MANUAL TRANSFER USING OPTIONAL CONNECTIVITY ACCESSORIES OR FIELD KITS. (MAY BE PROVIDED AT A LATER DATE).
8. SOLID NEUTRAL
9. COMPLETELY FRONT-ACCESSIBLE FOR INSTALLATION AND OPERATION.
10. NEMA 4X (OUTDOOR).
11. UL 1008 LISTED AND CSA CERTIFIED.

2


WILLIAM P. HORN ARCHITECT, P.A.

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06-08-18 BLDG. DEPT.

REVISIONS
2 07/09/18 OWNER CHANGES

DRAWN BY
DA

PROJECT NUMBER
1702

E-5

# ELECTRICAL SPECIFICATIONS

DIVISION 16 – ELECTRICAL

16010 BASIC ELECTRICAL REQUIREMENTS

A. ALL WORK AND EQUIPMENT UNDER THIS DIVISION SHALL BE IN COMPLIANCE WITH THE CODES, STANDARDS, AND PRACTICES LISTED HEREIN, AS ADOPTED BY THE AUTHORITY HAVING JURISDICTION (AHJ); INCLUDING, BUT NOT LIMITED TO:

1. LIFE SAFETY CODE – NFPA 101.
2. UNDERWRITERS LABORATORIES, INC. PUBLICATIONS.
3. NATIONAL FIRE PROTECTION ASSOCIATION (NFPA).
4. AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI).
5. NATIONAL ELECTRICAL CODE – NFPA 70.
6. INSTITUTE OF ELECTRICAL AND ELECTRONIC ENGINEERS (IEEE).
7. NATIONAL ELECTRICAL MANUFACTURER'S ASSOCIATION (NEMA).
8. INTERNATIONAL POWER CABLE ENGINEER'S ASSOCIATION (IPCEA).
9. NATIONAL ELECTRICAL SAFETY CODE (NBS HANDBOOK 81)..
10. REQUIREMENTS OF LOCAL POWER COMPANY.
11. NATIONAL FIRE PROTECTION ASSOCIATION 72.
12. NATIONAL FIRE PROTECTION ASSOCIATION 99.
13. THE STATE FIRE PREVENTION CODE, 4A60.
14. BUILDING CODE: 2017, SIXTH EDITION FLORIDA BUILDING CODE AND FLORIDA ENERGY CODE.
15. OSHA.
16. NFPA 110.
17. ASHRAE 90.1.

B. SCOPE OF WORK:
THE WORK PROVIDED UNDER THIS DIVISION SHALL INCLUDE ALL LABOR, MATERIALS, PERMITS, INSPECTIONS AND REINSPECTION FEES, TOOLS, EQUIPMENT, TRANSPORTATION, INSURANCE, TEMPORARY PROTECTION, TEMPORARY LIGHTING, SUPERVISION AND INCIDENTAL ITEMS ESSENTIAL FOR PROPER INSTALLATION AND OPERATION, EVEN THOUGH NOT SPECIFICALLY MENTIONED OR INDICATED BUT WHICH ARE USUALLY PROVIDED OR ARE ESSENTIAL FOR PROPER INSTALLATION AND OPERATION OF ALL ELECTRICAL SYSTEMS AS INDICATED IN CONTRACT DOCUMENTS.

1. CONNECTION OF ALL EQUIPMENT FURNISHED BY OTHERS OR IN CONTRACT.

C. NOTICES:
GIVE ALL NOTICES, FILE ALL PLANS, PAY ALL FEES, OBTAIN ALL PERMITS AND APPROVALS FROM AUTHORITIES HAVING JURISDICTION. INCLUDE ALL PLAN REVIEW, PERMITTING, ENVIRONMENTAL AND FPL/UTILITY CHARGES AND FEES IN THE BID PRICE.

D. INTERPRETATION OF DRAWINGS:

1. THE DRAWINGS ARE DIAGRAMMATIC AND ARE NOT INTENDED TO SHOW EXACT LOCATIONS OF CONDUIT RUNS, OUTLET BOXES, JUNCTION BOXES, PULL BOXES, ETC. THE LOCATIONS OF EQUIPMENT, APPLIANCES, FIXTURES, CONDUITS, OUTLETS, BOXES AND SIMILAR DEVICES SHOWN ON THE DRAWINGS ARE APPROXIMATE ONLY. EXACT LOCATIONS SHALL BE AS ACCEPTED BY THE ENGINEER DURING CONSTRUCTION. OBTAIN IN THE FIELD ALL INFORMATION RELEVANT TO THE PLACING OF ELECTRICAL WORK AND IN CASE OF INTERFERENCE WITH OTHER WORK, PROCEED AS DIRECTED BY THE ENGINEER AND PROVIDE AL LABOR AND MATERIALS NECESSARY TO COMPLETE THE WORK IN AN ACCEPTABLE MANNER.

2. DISCREPANCIES:
NOTIFY ARCHITECT/ENGINEER OF ANY DISCREPANCIES FOUND DURING CONSTRUCTION OF THE PROJECT AND DO NOT PROCEED WITH THAT PORTION OF THE PROJECT, UNTIL A WRITTEN DEFINITIVE STATEMENT IS RECEIVED PROVIDING CLEAR DIRECTION. IF A CONFLICT EXISTS BETWEEN THE CONTRACT DOCUMENTS AND ANY APPLICABLE CODE OR STANDARD, THE MOST STRINGENT REQUIREMENT SHALL BE INCLUDED FOR THIS PROJECT. THE ENGINEER SHALL MAKE THE DECISION REGARDING QUESTIONABLE AREAS OF CONFLICT.

3. WIRING:
EACH THREE-PHASE CIRCUIT SHALL BE RUN IN A SEPARATE CONDUIT UNLESS OTHERWISE SHOWN ON THE DRAWINGS. UNLESS OTHERWISE ACCEPTED BY THE ENGINEER, CONDUIT SHALL NOT BE INSTALLED EXPOSED UNLESS SPECIFICALLY DIRECTED. PROVIDE CONCEALED, NON EXPOSED RACEWAYS IN FINISHED OR ARCHITECTURALLY SENSITIVE AREAS . WHERE CIRCUITS ARE SHOWN AS "HOME-RUNS" ALL NECESSARY FITTINGS AND BOXES SHALL BE PROVIDED FOR A COMPLETE RACEWAY INSTALLATION.

IN GENERAL, ALL LIGHTING BRANCH CIRCUITS SHALL BE SEPARATE FROM POWER AND RECEPTACLE BRANCH CIRCUITS.

ALL BRANCH CIRCUITS SERVICING COMPUTER LOADS SHALL HAVE A DEDICATED NEUTRAL CONDUCTOR.

E. INVESTIGATION ON SITE:

1. GENERAL: BEFORE COMMENCING THE WORK, VERIFY EXISTING CONDITIONS AT THE PREMISES INCLUDING, BUT NOT LIMITED TO, EXISTING STRUCTURAL FRAME, LOCATION AND ALL DIMENSIONS; EXISTING OPENINGS AND CHARACTERISTICS; EXISTING WALL AND PARTITION LOCATIONS, CHARACTERISTICS AND RELATIONSHIP TO EACH OTHER; EXISTING MECHANICAL AND ELECTRICAL WORK, EQUIPMENT TYPE, AND SHALL EXAMINE ALL ADJOINING WORK ON WHICH HIS WORK IF ANYWAY DEPENDENT FOR ITS PERFECT EFFICIENCY ACCORDING TO THE INTENT OF THE CONTRACT DOCUMENTS.

2. POWER OUTAGE:
SPECIAL ATTENTION IS CALLED TO THE FACT THAT IF WORK INVOLVED IS IN CONNECTION WITH EXISTING BUILDINGS WHICH REMAIN IN OPERATION WHILE WORK IS BEING PERFORMED. WORK MUST BE DONE IN ACCORDANCE WITH THE PRIORITY SCHEDULE. SCHEDULE WORK FOR A MINIMUM OUTAGE TO OWNER. REQUEST WRITTEN PERMISSION AND RECEIVE WRITTEN ACCEPTANCE FROM THE OWNER NO LATER THAN 24 HOURS IN ADVANCE OF ALL POWER AND COMMUNICATION SHUT-DOWNS. PERFORM WORK REQUIRED AT OTHER THAN STANDARD WORKING HOURS WHERE OUTAGES CANNOT BE ACCEPTED BY OWNER DURING REGULAR WORKING HOURS. PROTECT EXISTING BUILDINGS AND EQUIPMENT DURING CONSTRUCTION. PROVIDE TEMPORARY POWER, GENERATORS, CIRCUIT ALTERATIONS AS MAY BE REQUIRED FOR MAINTENANCE OF OPERATIONS.

3. SPECIAL CONSIDERATIONS:
SPECIAL ATTENTION IS CALLED TO THE FACT THAT IF THERE WILL BE PIPING, FIXTURES OR OTHER ITEMS IN THE EXISTING SITE OR BUILDING WHICH MUST BE REMOVED OR RELOCATED IN ORDER TO PERFORM THE ALTERATION WORK, BID SHALL INCLUDE ALL REMOVAL, RELOCATION, AND RE-CONNECTION REQUIRED FOR COMPLETION OF THE ALTERATIONS AND THE NEW CONSTRUCTION.

4. DEMOLITION – GENERAL:
DURING THE EXECUTION OF WORK, ALL REQUIRED RELOCATION, REROUTING, ETC, OF EXISTING BUILDING AREAS WHERE THE WORK IS REQUIRED, SHALL BE PERFORMED BY THE CONTRACTOR, AS INDICATED ON THE DRAWINGS, OR AS REQUIRED BY JOB CONDITIONING AND AS DETERMINED BY THE ARCHITECT IN THE FIELD, TO FACILITATE THE INSTALLATION OF THE NEW SYSTEMS. THE OWNER SHALL REQUIRE CONTINUOUS OPERATION OF THE EXISTING SYSTEMS, WHILE DEMOLITION, RELOCATION WORK OR NEW TIE-INS ARE PERFORMED.

5. OWNER'S SALVAGE: THE OWNER RESERVES THE RIGHT TO INSPECT THE MATERIAL SCHEDULED FOR REMOVAL AND SALVAGE ANY ITEMS HE DEEMS USABLE AS SPARE PARTS.

F. EXISTING CONDITIONS:

1. SUPPORT:
ALL EXISTING CONDUIT AND CABLES WITHIN THE AREA OF RENOVATION SHALL BE PROVIDED WITH PROPER SUPPORT AS SPECIFIED FOR NEW WORK IN OTHER SECTIONS OF THIS SPECIFICATION.

2. INSTALLATION:
ALL EXISTING ELECTRICAL WHICH IS DESIGNATED FOR REWORKING OR REQUIRES RELOCATION, REPAIR OR ADJUSTMENT SHALL CONFORM TO ALL APPLICABLE CODES AND SHALL BE TREATED AS NEW WORK COMPLYING TO ALL SECTIONS OF THIS SPECIFICATION.

3. VIOLATIONS:
WHERE EXISTING CONDITIONS ARE DISCOVERED WHICH ARE NOT IN COMPLIANCE WITH THE CODES AND STANDARDS, THE CONTRACTOR SHALL SUBMIT PROPER DOCUMENTATION TO THE ARCHITECT FOR CLARIFICATION AND CORRECTIVE WORK DIRECTION. EXISTING CONDITIONS SHALL NOT REMAIN WHICH WILL CREATE A DISAPPROVAL OF THE RENOVATED AREA.

4. PATCHING:
ALL EXISTING CONDUIT AND CABLE PENETRATIONS SHALL BE PROPERLY FIRE TREATED PER CODE AND SPECIFICATION REQUIREMENTS. THE CONTRACTOR SHALL THOROUGHLY INSPECT ALL EXISTING LOCATIONS AND INCLUDE THE COST OF PATCHING AND REPAIR IN HIS PROPOSED CONSTRUCTION COST.

G. ALL MATERIALS SHALL BE NEW, FREE FROM DEFECTS AND SHALL BE EITHER U.L. LABELED, U.L. LISTED OR BEAR THE SEAL OF A NATIONALLY RECOGNIZED ELECTRICAL TESTING LABORATORY DEEMED ACCEPTABLE BY AHJ.

H. SHOP DRAWINGS AND PRODUCT DATA ARE REQUIRED FOR ALL MATERIALS AND EQUIPMENT.

I. ALL EQUIPMENT SHALL BE FIRMLY MOUNTED USING APPROVED HANGERS ATTACHED TO STRUCTURAL PORTIONS OF THE BUILDING. SUPPORTING WITH TIE WIRE IS PROHIBITED. LIGHT FIXTURES RECESSED IN CEILINGS SHALL BE SUPPORTED FROM THE BUILDING STRUCTURE INDEPENDENT OF THE CEILING SYSTEM.

J. SERVICE SHALL MEET THE REQUIREMENTS OF THE LOCAL UTILITY COMPANY AND ALL PROVISIONS OF NFPA 70. CONSTRUCTION POWER, TEMPORARY LIGHT AND POWER SHALL BE PROVIDED AS REQUIRED AND DESIGNED/PERMITTED BY CONTRACTOR.

K. SYSTEMS GUARANTEE:
PROVIDE A ONE-YEAR GUARANTEE. THIS GUARANTEE SHALL BE BY THE CONTRACTOR TO THE OWNER FOR ANY DEFECTIVE WORKMANSHIP OR MATERIAL WHICH HAS BEEN PROVIDED UNDER THIS CONTRACT AT NO COST TO THE OWNER FOR A PERIOD IF ONE-YEAR FROM THE DATE OF SUBSTANTIAL COMPLETION OF THE SYSTEM. THE GUARANTEE SHALL INCLUDE ALL LAMPS, FOR NINETY DAYS AFTER DATE OF SUBSTANTIAL COMPLETION OF THE SYSTEM. EXPLAIN THE PROVISIONS OF GUARANTEE TO THE OWNER AT THE "DEMONSTRATION OF COMPLETED SYSTEM". PROVIDE AN 11 MONTH WARRANTY WALK-THROUGH WITH OWNER'S REPR AND CORRECT ALL DEFICIENCIES TO OWNER'S SATISFACTION. PREPARE WRITTEN REPORT DOCUMENTING FINDINGS, ACTIONS, RECOMMENDATIONS FOR OWNER.

L. RELATED WORK AND DOCUMENTS: CONTRACTOR SHALL REVIEW THE COMPLETE PROJECT DOCUMENTS PRIOR TO BIDDING. ALL SECTIONS INCLUDING, BUT NOT LIMITED TO, SPECIAL AND GENERAL CONDITIONS ARE TO BE COORDINATED AND MADE PART OF BIDDING AND THIS PROJECT.

M. PROVIDE ALL EXTERIOR SUPPORTS AND SYSTEMS IN COMPLIANCE WITH HIGH VELOCITY HURRICANE ZONE REQUIREMENTS (HVHZ). PROVIDE CERTIFICATIONS AND MIAMI-DADE N.O.A. DOCUMENTATION.

N. REQUESTS FOR SUBSTITUTIONS:

1. CONTRACTOR SHALL PREPARE REQUESTS WITH COMPLETE COORDINATION INFORMATION. INCLUDE ALL CHANGES REQUIRED IN OTHER ELEMENTS OF THE WORK TO ACCOMMODATE THE SUBSTITUTION INCLUDING WORK PERFORMED BY THE OWNER AND THE SEPARATE CONTRACTORS.

2. PROVIDE COMPLETE SUPPORTING DATA QUALIFYING THE SUBSTITUTION COMPARED TO THE BASIS OF DESIGN SYSTEM. PROVIDE A DETAILED LIST OF ANY VARIANCES, LIGHTING POWER DENSITY (LPD) SPACE BY SPACE CALCULATIONS, SPACE OR ROOM PHOTOMETRICS, PHYSICAL OR SPATIAL LAYOUTS, ELEVATIONS, ETC. TO THE BASIS OF DESIGN.

3. PROVIDE A STATEMENT INDICATING THE EFFECT THE SUBSTITUTION WILL HAVE ON THE WORK SCHEDULE IN COMPARISON TO THE SCHEDULE WITHOUT APPROVAL OF THE PROPOSED SUBSTITUTION. INCLUDE INFORMATION REGARDING THE EFFECT OF THE PROPOSED SUBSTITUTION ON THE CONTRACT TIME.

4. PROVIDE COMPLETE COST INFORMATION INCLUDING A PROPOSAL OF THE NET CHANGE, IF ANY, IN THE CONTRACT SUM.

5. PROVIDE CERTIFICATION BY THE CONTRACTOR TO THE EFFECT THAT, IN THE CONTRACTOR'S OPTION, AFTER THOROUGH EVALUATION, THE PROPOSED SUBSTITUTION WILL RESULT IN WORK THAT IN EVERY SIGNIFICANT RESPECT IS EQUAL TO OR BETTER THAN THE WORK REQUIRED BY THE CONTRACTOR DOCUMENTS AND THAT IT WILL PERFORM ADEQUATELY IN THE APPLICATION INDICATED.

16020 TEST AND PERFORMANCE VERIFICATION: COMPLETION OF WORK

A. INSTALL, ADJUST AND TEST ALL ELECTRICAL SYSTEMS.

B. CABLES, MOTORS, GROUNDS, TRANSFORMERS, AND THE EMERGENCY SYSTEM SHALL BE THOROUGHLY TESTED. CONTRACTOR SHALL PROVIDE A REPORT INDICATING THE RESULTS OF ALL TESTS.

C. PREPARE OPERATION AND MAINTENANCE MANUALS, AS BUILDS.

16030 ELECTRICAL IDENTIFICATION

A. LANGUAGE: ALL IDENTIFICATION SHALL BE IN ENGLISH.

B. CONDUITS SYSTEM MAKERS SHALL BE ENGRAVED PLASTIC, LAMINATE NAMEPLATES AND SHALL BE ADHESIVE OR PRE-TENSIONED SNAP ON COLOR CODED, SYSTEM MARKING MATERIALS.

C. IDENTIFICATION: IDENTIFY ALL RACEWAYS PROVIDED OR UTILIZED AS PART OF THIS PROJECT AS FOLLOWS:

1. APPLY BANDS 10 FEET ON CENTER ALONG THE RACEWAY SYSTEM AND AT EACH SIDE OF WALLS OR FLOORS, AND AT BRANCHES FROM MAINS.

2. IDENTIFY THE FOLLOWING SERVICES:

| SERVICE | LABEL |
|---|---|
| A. 208/120 | HIGH VOLTAGE |
| C. FIRE ALARM | FIRE ALARM |
| D. TELEPHONE | TELEPHONE |

3. SPOT PAINTING ON ROUGH-IN:

A. CONDUIT, RACEWAYS, BOXES, BACKBONES, PANELBOARDS, ETC. SHALL BE SPOT PAINTED. CONDUIT SHALL BE IDENTIFIED WITHIN 6 INCHES OF THE BOX OR ENCLOSURE. THE ENTIRE BOX AND COVERPLATE SHALL BE PAINTED.

D. USE THE FOLLOWING COLORS FOR COLOR BANDS AND FOR COLOR CODING:

| SYSTEM | COLOR |
|---|---|
| 1) NORMAL POWER | WHITE |
| 2) MISCELLANEOUS COMMUNICATIONS | BROWN |
| 3) FIRE ALARM | RED |
| 4) TELEPHONE/COMPUTER | BLACK |

E. CABLE AND CONDUCTOR IDENTIFICATION WILL BE AS PER NFPA 70

F. OPERATIONAL SIGNAGE SHALL BE PROVIDED WHERE REQUIRED.

G. PROVIDE NAME PLATES, SECURITY FASTENED, ON ALL MAJOR EQUIPMENT.

H. PROVIDE "ARC FLASH"WARNING SIGNAGE.

16110 BASIC MATERIALS AND METHODS

A. RACEWAYS AND FITTINGS:

1. ALL WIRING SHALL BE INSTALLED IN APPROPRIATE RACEWAY SYSTEMS OF RIGID GALVANIZED (RGS) CONDUIT, ELECTRICAL METALLIC TUBING, FLEXIBLE STEEL CONDUIT AND LIQUID-TIGHT FLEXIBLE CONDUIT AS CONDITIONS AND CODES DICTATE. EMT SHALL BE JOINED WITH STEEL COMPRESSION TYPE FITTINGS.

A. IN STUD PARTITIONS, CONCEALED ABOVE CEILING: EMT

B. IN MECHANICAL ROOMS, SUBJECT TO ABUSE: RGS

C. BURIED CONDUIT:

6. 1" MINIMUM TRADE SIZE
7. IN CONCRETE – RGS, SCH 40/80 PVC, RGS SWEEPS
8. BELOW SLABS – RGS, SCH 40/80 PVC, RGS SWEEPS
9. DIRECT BURY – EXTERIOR: RGS, SCH 40/80 PVC
10. STUBS THRU SLABS – RGS

D. FLEXIBLE METALLIC RACEWAY – 24" MAX LENGTH

2. ALL CONDUIT SHALL HAVE AN INSULATED COPPER EQUIPMENT GROUNDING CONDUCTOR THROUGHOUT THE ENTIRE LENGTH OF THE CIRCUIT WITHIN THE CONDUIT.

3. MINIMUM SIZE: 3/4", UNLESS OTHERWISE NOTED (UON).

16120 WIRES AND CABLES

A. ALL BRANCH CIRCUITS SHALL BE COPPER WITH THHN OR THWN INSULATION. MINIMUM SIZE #12 AWG.

B. FEEDERS AND SUBFEEDERS SIZE #4 AND LARGER SHALL BE XHHW COPPER, UNLESS OTHERWISE NOTED.

C. COLOR CODING SHALL COMPLY WITH THE NATIONAL ELECTRIC CODE OR JURISDICTION SPECIFICALLY. PHASE CONDUCTORS OF EACH VOLTAGE SYSTEM MUST BE OF A DIFFERENT COLOR. NEUTRALS SHALL BE WHITE FOR 120/208 AND GRAY FOR 277/480. EQUIPMENT GROUNDING CONDUCTORS SHALL BE GREEN INSULATED.

D. TAPS AND SPLICES: FOR #8 OR SMALLER CONDUCTORS SHALL USE PRE-INSULATED SCOTCHLOCK OR IDEAL WING-NUT SPRING TENSION CONNECTIONS, FOR LARGER THAN #8 CONDUCTORS USE APPROVED SOLDERLESS, PRESSURE TYPE BOLTED CONNECTORS.

E. EXTERIOR CIRCUITS SHALL USE BOLTED CONNECTOR, GEL FILLED CAPS.

16130 OUTLET BOXES

A. OUTLET BOXES SHALL BE ONE PIECE OR PROJECTION WELDED, GALVANIZED STAMPED STEEL FOR GANG SIZES REQUIRED. SECTIONAL BOXES ARE NOT ACCEPTABLE. BOXES SHALL BE 4" SQUARE AND 1-1/2" DEEP GENERALLY. LARGER BOXES SHALL BE USED AS REQUIRED BY CODE.

PULL/JUNCTION BOXES: GALVANIZED STEEL, 14 GAUGE MINIMUM, INSTALL IN ACCESSIBLE LOCATIONS.

16140 WIRING DEVICES

A. ALL RECEPTACLES SHALL BE 20 AMP, 125 VOLT GROUNDING TYPE, (SPECIFICATION GRADE) AND MOUNTED AT 18" AFF.

B. SWITCHES SHALL BE 20 AMP, 125 VOLT SILENT TYPE, SPECIFICATION GRADE, AND MOUNTED AT 48" AFF.

C. RECEPTACLES LOCATED WHERE WATER OR WET CONDITIONS EXIST SHALL BE ON GROUND FAULT CIRCUITS.

D. DEVICE PLATES SHALL BE 302 STAINLESS STEEL. DEVICE COLORS SHALL BE IVORY. EMERGENCY RECEPTACLES SHALL BE RED.

E. APPROVED MANUFACTURERS: HUBBEL, PASS & SEYMOR, LEVITON.

16425 SERVICE AND DISTRIBUTION

A. SERVICE FROM TRANSFORMER TO MAIN SERVICE EQUIPMENT SHALL BE UNDERGROUND.

16450 GROUNDING

A. GENERAL: PROVIDE A COMPLETE GROUNDING SYSTEM IN ACCORDANCE WITH NEC.

1. EQUIPMENT GROUNDING CONDUCTOR IN ALL RACEWAY SYSTEMS.

2. INSTALL GROUNDING BUSHINGS.

3. INSTALL GROUNDING BONDING JUMPER ACROSS ALL BUILDING EXPANSION JOINTS AND RACEWAY EXPANSION FITTINGS.

4. INSTALL GROUNDING ELECTRODE SYSTEM AS REQUIRED BY AHJ.

5. PROVIDE A GROUND TEST WELL FOR SERVICE AT THE GROUND ROD CLOSEST TO THE SERVICE ENTRANCE.

6. USE EXOTHERMIC SYSTEMS FOR ALL UNDERGROUND CONNECTIONS.

7. PROVIDE GROUND BARS IN ALL ELECTRIC AND TELCOM ROOMS.

8. PROVIDE A MAIN PRINCIPLE GROUND TRIAD FOR SERVICE ENTRANCE .

9. CERTIFY GROUND SYSTEM TESTING TO ACHIEVE LESS THAN 5 OHMS USING A CLAMP-ON OR 3 POINT FALL OF POTENTIAL TESTER.

10. PROVIDE SUPPLEMENTARY ELECTRODES, UFER GROUNDS TO ACHIEVE RESISTANCE OHMS.

16470 PANELBOARDS

A. PANELS SHALL BE FULL SIZE, MINIMUM 20" WIDE X 5-3/4" DEEP USING FULL SIZE, BOLT-ON QUICK-BREAK CIRCUIT BREAKERS OF THE THERMAL MAGNETIC TYPE. MAINS SHALL BE LUGS ONLY OR MAIN BREAKERS AS REQUIRED. ALL PANELS TO HAVE SEPARATE EQUIPMENT GROUND BAR AND TYPEWRITTEN DIRECTORIES. PROVIDE COPPER CONDUCTORS, BUSSING FOR ALL CURRENT CARRYING MATERIALS.

B. PANELS SHALL BE RATED FOR USE AS SERVICE ENTRANCE WHERE REQUIRED.

C. FULLY RATED PANELBOARDS AND ELECTRICAL DISTRIBUTION GEAR, SELECTIVELY COORDINATED PER NEC (UON).

D. APPROVED MANUFACTURERS: SQUARE D, GE, CUTLER HAMMER, SIEMENS.

16480 SAFETY SWITCHES AND MOTOR CONTROLS

A. MOTOR STARTERS SHALL BE ACROSS-THE-LINE MAGNETIC TYPE SIZED FOR MOTOR HORSEPOWER. OVERLOADS SHALL BE PROVIDED IN EACH PHASE. HAND-OFF-AUTO SELECTOR SWITCHES, RUN PILOT LIGHTS AND AUXILIARY CONTACTS SHALL BE INCLUDED. CONTROL SHALL BE 120V VIA SELF CONTAINED TRANSFORMER.

1. MOTORS 1/3 HP AND SMALLER: 120V OR 208V SINGLE PHASE.

2. MOTORS 1/2 HP AND LARGER: 208V OR 480V THREE PHASE.

3. ALL SINGLE SPEED STARTERS, MOTORS SMALLER THAN 1/2 HP – MANUAL STARTER WITH OVERLOAD, PILOT LIGHT.

4. ALL STARTERS AND FUSIBLE COMBINATION STARTERS, MOTORS 1/2 HP AND LARGER – SHALL BE MAGNETIC FVNR, UNLESS OTHERWISE NOTED.

5. MINIMUM SIZE COMBINATION STARTER SHALL BE NEMA SIZE 1.

B. ALL CONTROL, ALARM AND INTERLOCK WIRING SHALL BE IN CONDUIT AND SHALL BE COLOR CODED.

C. DISCONNECT SWITCHES SHALL BE HEAVY DUTY AND SHALL USE A QUICK-MAKE, QUICK-BREAK MECHANISM WITH AN ENCLOSURE OF A NEMA TYPE CONFORMING TO AREA IN WHICH IT IS INSTALLED. DISCONNECTS FOR MOTORS SHALL BE HORSEPOWER RATED.

D. APPROVED MANUFACTURERS: SQUARE D, GE, CUTLER HAMMER, SIEMENS.

16490 FUSES

A. ALL FUSES SHALL BE CURRENT LIMITING TYPE –

1. THRU 90 AMPS – DUAL ELEMENT, TIME DELAY, CLASS RK-5

2. 100 TO 600 AMPS – DUAL ELEMENT, TIME DELAY, CLASS RK-1

3. ABOVE 600 AMPS – TIME DELAY, CLASS L

ALL MOTORS TO BE PROTECTED BY DUAL ELEMENT, TIME DELAY FUSES.

16500 LIGHTING

A. LIGHTING SHALL BE DESIGNED FOR TYPE OF TASK INVOLVED AND IN GENERAL SHALL UTILIZE LED 4000 K UON.

B. IN GENERAL, FIXTURE TYPES SHALL BE:

1. REFER TO LIGHTING FIXTURE SCHEDULE.

C. EXIT LIGHTS AND EMERGENCY EGRESS LIGHTING SHALL HAVE INTEGRAL EMERGENCY BATTERIES OR INVERTER.

16550 LIGHTING CONTROLS

A. PROVIDE CONTROL SYSTEM FOR CONTROL OF INTERIOR AND EXTERIOR LIGHTING SYSTEMS. SYSTEM SHALL INCLUDE RELAY, CONTACTOR CONTROL PANEL, PHOTOCELLS AND ALL ASSOCIATED WIRING.

B. PROVIDE PHOTOCELLS, TIMECLOCKS, CONTACTORS, SENSORS, DIMMERS AND RELAYS TO CONTROL ALL LIGHTING SYSTEMS.

C. APPROVED MANUFACTUERERS

1. HUBBELL OR APPROVED EQUAL.

16709 SURGE SUPPRESSION, BONDING AND GROUNDING

A. SURGE SUPPRESSION EQUIPMENT SHALL BE PROVIDED FOR ALL DISTRIBUTION EQUIPMENT. IT SHALL BE INSTALLED ON THE MAIN ELECTRIC SERVICE, ALL DISTRIBUTION PANELS AND SELECTED SUB-PANELS, POWER SUPPLIES OF SPECIAL SYSTEMS, AND ON CIRCUITS FEEDING SELECTED MAJOR ITEMS THAT HAVE A SENSITIVE ELECTRICAL NATURE. A BONDING AND SINGLE POINT GROUNDING SYSTEM SHALL BE PROVIDED TO INTERCONNECT THE MAIN ELECTRIC SERVICE GROUND, LIGHTNING PROTECTION SYSTEM GROUNDS AND ALL SPECIAL ELECTRONIC SYSTEM ISOLATED GROUNDS.

B. COMPLY WITH UL 1449.

C. MAINS – 200kA, DISTR – 100kA, BRANCH – 50kA

D. APPROVED MANUFACTURERS: JOSLYN, PSI, CURRENT TECHNOLOGY, SQ-D, AND ACT COMMUNICATIONS

16720 FIRE ALARM SYSTEM

A. FIRE ALARM AND DETECTION: AN ELECTRICALLY SUPERVISED, FULLY ADDRESSABLE, 24V D.C. FIRE ALARM SYSTEM SHALL BE PROVIDED AND SHALL INCLUDE, BUT NOT LIMITED TO, THE FOLLOWING:

1. DETECTION GENERALLY FROM DUCT LOCATED PHOTOELECTRIC TYPE DETECTORS AND AREA CEILING PHOTOELCTRIC DETECTORS.

2. IONIZATION DETECTORS IN TRASH CHUTES.

3. FIRE ALARM, DOUBLE ACTION MANUAL PULL STATIONS.

4. SPRINKLER SYSTEM WATER FLOW SWITCH AND VALVE ALARM.

5. ALARM SIGNALS FROM WITH FLASHING LIGHTS (ADA COMPLIANT).

6. FAN SHUT DOWN, SMOKE DOOR CLOSURE, AND SMOKE DAMPER CONTROL, WHERE REQUIRED.

7. CONNECTION TO LIFE SAFETY BRANCH OF THE ESSENTIAL DISTRIBUTION SYSTEM.

8. SEE FIRE ALARM DRAWINGS FOR ADDITIONAL INFORMATION.

B. APPROVED MANUFACTURERS: NOTIFIER, EDWARDS, JOHNSON CONTROLS, SIMPLEX.

16740 TELEPHONE/DATA RACEWAY SYSTEM

A. TELEPHONE SYSTEM: CONDUIT, OUTLET BOXES AND TERMINAL BOARDS LOCATED IN TELEPHONE EQUIPMENT CLOSETS SHALL BE PROVIDED. COMPUTER TERMINAL LINE, LOCATIONS SHALL BE REVIEWED AND PROVISIONS MADE FOR DATA LINES AND TERMINATIONS.

B. SEE RISERS FOR ADDITIONAL INFORMATION.


WILLIAM P. HORN
ARCHITECT , P.A.

915 EATON ST.
KEY WEST,
FLORIDA
33040

TEL. (305) 296-8302
FAX (305) 296-1033

LICENSE NO.
AA 0003040


OLD GYMNASIUM
BUILDING
1300 White Street Rear
KEY WEST, FLORIDA.

SEAL
Donald H. Austin, Jr. PE
FL PE No. 60651

DATE
05-15-17 HARC
01-23-18 REV
05-09-18 BID
06-08-18 BLDG. DEPT.

REVISIONS
1 07/06/18 BID RFI

DRAWN BY
DA

PROJECT NUMBER
1702

E-6

1 NEW SHEET ISSUED