

## ITB 2020018 – Air Conditioning Replacements

*Released in Key West, Florida, February 22, 2020*

*District School Board of Monroe County  
Internal Services Department / Purchasing Division*

## PROPOSAL FORM

## ITB 2020018 – Air Conditioning Replacements

**BID DUE / BID OPENING DATE/TIME:** March 31, 2020 @ 9:00 a.m.

**PROPOSALS MUST BE SUBMITTED ELECTRONICALLY  
TO WWW.DEMANDSTAR.COM. HARD COPY OR EMAIL  
PROPOSALS WILL NOT BE ACCEPTED.**

**PLEASE BE SURE THAT THE NAME OF  
YOUR COMPANY APPEARS ON EACH  
PAGE OF THIS PROPOSAL FORM.**

**IF SIGNED BY AN AGENT OF NAMED COMPANY  
WRITTEN EVIDENCE FROM THE OWNER OF  
RECORD OF HIS/HER AUTHORITY MUST  
ACCOMPANY THIS PROPOSAL.**

Master Mechanical Services, Inc.  
NAME OF COMPANY

15181 NW 33 Pl. Miami, FL 33154  
ADDRESS OF COMPANY

JoAnn Pinna  
PRINT NAME OF AUTHORIZED SIGNATURE

info@mastermechanicalservices.com  
EMAIL ADDRESS

305-825-3004 305-825-1607  
TELEPHONE No. FAX

**Proposal Certification**

I hereby certify that: I am submitting the following information as my firm's (proposer) proposal and am authorized by proposer to do so; proposer agrees to complete and unconditional acceptance of the contents of Pages 1 through 38 inclusive of this Invitation to Bid, and all appendices and the contents of any Addenda released hereto; proposer agrees to be bound to any and all specifications, terms and conditions contained in the Invitation to Bid, and any released Addenda and understand that the following are requirements of this ITB and failure to comply will result in disqualification of proposal submitted; proposer has not divulged, discussed, or compared the proposal with other proposers and has not colluded with any other proposer or party to any other proposal; proposer acknowledges that all information contained herein is part of the public domain as defined by the State of Florida Sunshine and Public Records Laws; all responses, data and information contained in this proposal are true and accurate.

Signature of  
Proposer's Authorized Representative (blue ink preferred on original)

Name of Proposer's Authorized Representative

Title of Proposer's Authorized Representative

Date 3-24-20JoAnn Pinna President

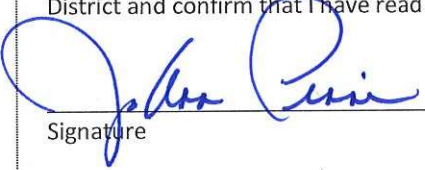
## ITB 2020018 – Air Conditioning Replacements

### B. Bid Documents Required

The following documents and forms in the following arrangement must accompany each bid submitted:

- ☒ Bid Proposal Form
- ☒ Bid Documents Required Checklist B)
- ☒ Price Sheet (C)
- ☒ Addenda Acknowledgement Form
- ☒ Contractor Rules Form
- ☒ Debarment Certification
- ☒ Identical Tie Proposals Form
- ☒ Non-Collusion Affidavit
- ☒ Business/Personal Relationship Disclosure Affidavit
- ☒ Drug Free Workplace Form
- ☒ W-9
- ☒ Vendor Information Sheet
- ☒ Reference: Documentation of successfully performing work of this size, nature, and complexity (to include, at a minimum, provided Reference Form).
- ☒ Documentation of coil coating system meeting specification and a tentative schedule and construction timeline, applicable only if bidding on Key West High School (see Section 10)
- ☒ Insurance: Proof of insurance and appropriate business license required for this project.
- ☐ Insurance (including subcontractor information – if applicable) *N/A*
- ☐ Licenses (including subcontractor information-if applicable) *N/A*
- ☒ Bonding : Proof of Bonding (if applicable)
- ☐ Local Preference Affidavit and backup (if applicable) *N/A.*

I, JoAnn Pinna (name), an authorized officer of Master Mechanical Services, Inc. (company/vendor), confirm that the above listed documents are provided in our bid being submitted to the Monroe County School District and confirm that I have read and understand the ITB document in its entirety.

  
Signature

## ITB 2020018 – Air Conditioning Replacements

### C. Price Sheet

You may bid on any or all of the sites listed. If you chose not to bid on a particular site please write NO BID on the price line. Rank sites on a 1-4 scale (1 being first choice and 4 being last choice), this number will only be used if contractor is low bidder on more than two sites.

Key Largo School	RANK <u>6</u>	TOTAL PRICE	\$ <u>24,120.-</u>
Coral Shores High School	RANK <u>5</u>	TOTAL PRICE	\$ <u>14,200.-</u>
Marathon High School	RANK <u>4</u>	TOTAL PRICE	\$ <u>74,100.-</u>
Sugarloaf School	RANK <u>3</u>	TOTAL PRICE	\$ <u>67,000.-</u>
Poinciana School	RANK <u>2</u>	TOTAL PRICE	\$ <u>81,000.-</u>
Key West High School	RANK <u>1</u>	TOTAL PRICE	\$ <u>142,000.-</u>

  
Signature\*

\*Please sign above to acknowledge that you have the ability to complete awarded sites prior to 8/3/2020 and bids on individual sites priced over \$100,000 include a 100% performance bond.

ITB 2020018 – Air Conditioning Replacements

ACKNOWLEDGMENT OF ADDENDUM

As the person authorized to sign the statement, I certify that this firm acknowledges any and all addendum that may have been issued as part of this bid. All addendum are issued via [www.demandstar.com](http://www.demandstar.com).

ADDENDUM NO. 1 DATED 2/28/20

ADDENDUM NO. 001 DATED 3/24/20

ADDENDUM NO. \_\_\_\_ DATED \_\_\_\_

ADDENDUM NO. \_\_\_\_ DATED \_\_\_\_

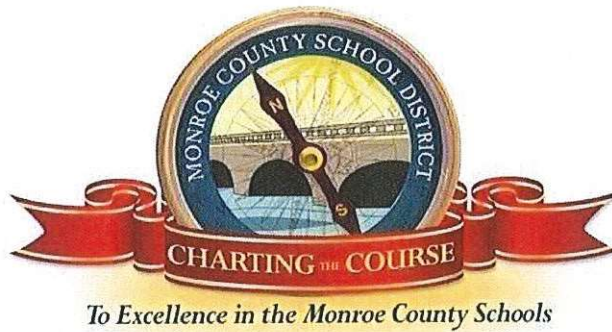
ADDENDUM NO. \_\_\_\_ DATED \_\_\_\_

ADDENDUM NO. \_\_\_\_ DATED \_\_\_\_

Date: 3/24/20 \_\_\_\_\_  
Applicant's Signature



**MARK T. PORTER**  
*Superintendent of Schools*



**Members of the Board**

*District # 3*  
**MINDY CONN**  
*Chairwoman*

*District #4*  
**JOHN DICK**  
*Vice-Chairman*

*District # 1*  
**BOBBY HIGHSMITH**

*District # 2*  
**ANDY GRIFFITHS**

*District # 5*  
**DR. SUE WOLTANSKI**

**Bid No: ITB 2020018**  
**Name of Bid: Air Conditioning Replacement**  
**Post Date: 2/28/2020**  
**Notice Post Time: 12:00 p.m.**

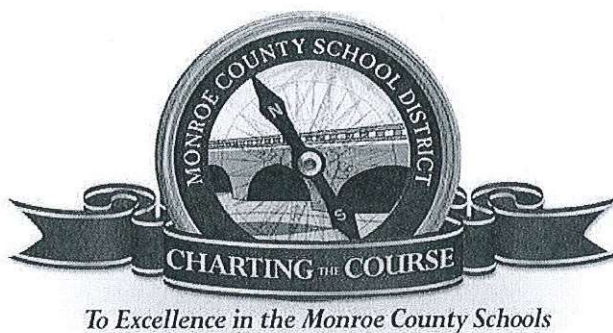
**Addendum No.1**

**Please replace the listing for Poinciana School on page 6, Section A -#3 (i), with the following:**

- i. Replace condensing units CU 1.1, **CU 1.3**, CU 1.4, **CU 1.5**, CU 1.6, CU 1.7, CU 1.8, CU 2.2, and CU 2.3. Units shall be replaced in the same location as the existing units.

**\*\*Additional units added shown bold/underlined.**

**MARK T. PORTER**  
*Superintendent of Schools*



**Members of the Board**

*District # 3*  
**MINDY CONN**  
*Chairwoman*

*District #4*  
**JOHN DICK**  
*Vice-Chairman*

*District # 1*  
**BOBBY HIGHSMITH**

*District # 2*  
**ANDY GRIFFITHS**

*District # 5*  
**DR. SUE WOLTANSKI**

**Bid No: ALL BIDS**  
**Post Date: 3/24/2020**  
**Notice Post Time: 3:00 P.M.**

**Addendum No. 001**

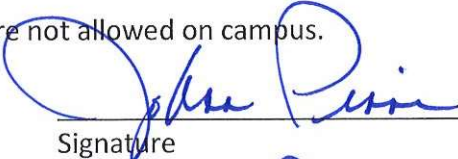
***\*UNTIL FURTHER NOTICE, THE MONROE COUNTY SCHOOL DISTRICT WILL CONDUCT BID SELECTION MEETINGS, OTHERWISE OPEN TO THE PUBLIC, REMOTELY VIA VIDEOCONFERENCE TECHNOLOGY. ANY MEMBER OF THE PUBLIC WHO WISHES TO ATTEND THESE MEETINGS SHOULD CONTACT [SUANNE.LEE@KEYSSCHOOLS.COM](mailto:SUANNE.LEE@KEYSSCHOOLS.COM) TO CONFIRM IF THE MEETING WILL BE HELD IN PERSON OR ONLINE. IF ONLINE METHOD IS BEING USED, THE PUBLIC WILL BE PROVIDED INFORMATION ON HOW THEY MAY PARTICIPATE IN THESE MEETINGS REMOTELY.***

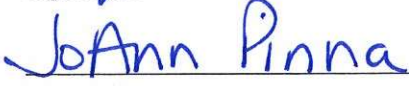
## ITB 2020018 – Air Conditioning Replacements

### CONTRACTOR RULES

The following is a list of rules that contractors/vendors and their personnel must adhere to while working on Monroe County School projects. Failure of the contractor/vendor to abide by the rules will result in the violators being removed from the job site. All costs resulting from this will be the responsibility of the contractor/vendor. Please sign these rules and indicate the contractor/vendor's agreement to follow them.

- Casual communications by contract/vendor personnel with students, staff, or faculty is prohibited.
- Convicted felons and employees with a past history of child abuse or molestation shall not be used on Monroe County School projects.
- The schools are "Drug Free Zones," use or possession of illegal substances and alcohol in any form are prohibited.
- The schools are "Tobacco Free," no tobacco use is permitted on the school campus, in parking lots, or inside school restrooms.
- Vulgar language or gestures discernible to students or school staff is prohibited.
- Fighting or physically abusive actions of a similar nature are prohibited.
- Appropriate and modest attire is required while working on school campus. Revealing clothing will not be permitted.
- Clean up of work area is required on a daily basis. Hazardous materials shall not be put in school trash receptacles.
- Work that may be disruptive to the school shall be scheduled with the school administration or done after normal school hours.
- Pets are not allowed on campus.

  
Signature

  
Printed Name

  
Date



ITB 2020018 – Air Conditioning Replacements

**DEBARMENT CERTIFICATION**

"The bidder certifies that, neither the firm nor any person associated therewith in the capacity of owner, partner, director, officer, principal, investigator, project director, manager, auditor, and/or position involving the administration of federal funds:

(a) Is presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from covered transactions, as defined in 2 CFR Chapter 180, by any federal department or agency;

(b) Has within a three-year period preceding this certification been convicted of or had a civil judgment rendered against it for: commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a federal, state, or local government transaction or public contract; violation of federal or state antitrust statutes; or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, or receiving stolen property;

(c) Is presently indicted for or otherwise criminally or civilly charged by a federal, state, or local Governmental entity with commission of any of the offenses enumerated in paragraph (b) of this certification; and

(d) Has within a three-year period preceding this certification had one or more federal, state, or local government public transactions terminated for cause or default.

The bidder certifies that it shall not knowingly enter into any transaction with any subcontractor, material supplier, or vendor who is debarred, suspended, declared ineligible, or voluntarily excluded from participation in this project by any federal agency.

Dated this 24 day of March, 2020.  
By [Signature]  
Authorized Signature/Contractor  
JoAnn Pinna, President  
Typed Name/Title  
Master Mechanical Services, Inc.  
Contractor's Firm Name  
15181 NW 33 Pl.  
Street Address  
Miami FL 33054  
City/State/Zip Code  
305-825-3004  
Area Code/Telephone Number



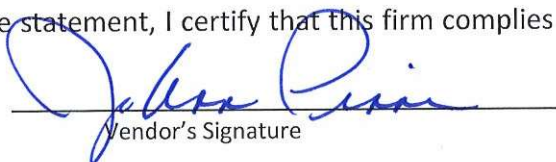
## ITB 2020018 – Air Conditioning Replacements

### IDENTICAL TIE PROPOSALS

Preference shall be given to businesses with drug-free workplace programs. Whenever two or more of a proposal, which are equal with respect to price, quality, and service, are received by the State or by any political subdivision for the procurement of commodities or contractual services, an proposal received from a business that certifies that it has implemented a drug-free workplace program shall be given preference in the award process. Established procedures for processing tie proposals will be followed if none of the tie vendors have a drug-free workplace program. In order to have a drug-free workplace program, a business shall:

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

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

  
Vendor's Signature

ITB 2020018 – Air Conditioning Replacements

NON-COLLUSION AFFIDAVIT

I, JoAnn Pinna of the City of Miami  
according to law on my oath, and under penalty of perjury, depose and say that;

1) I am President of Master Mechanical Services, Inc., the bidder making the proposal for the project described as follows:

ITB 2020018 Air Conditioning Replacements

2) The prices in this proposal have been arrived at independently without collusion, consultation, communication or agreement for the purpose of restricting competition, as to any matter relating to such prices with any other bidder with any competitor;

3) Unless otherwise required by law, the prices which have been quoted in this proposal have not been knowingly disclosed by the bidder and will not knowingly be disclosed by the bidder prior to proposal opening, directly or indirectly, to any other bidder to any competitor; and

4) No attempt has been made or will be made by the bidder to induce any other person, partnership or corporation to submit, or not to submit, an proposal for the purpose of restricting competition;

5) The statements contained in this affidavit are true and correct, and made with full knowledge that Monroe County School District relies upon the truth of the statements contained in this affidavit in awarding contracts for said project.

JoAnn Pinna  
Signature of Authorized Representative

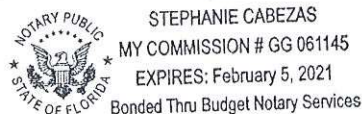
3-24-20  
Date

STATE OF Florida

COUNTY OF Miami-Dade

PERSONALLY APPEARED BEFORE ME, the undersigned authority, JoAnn Pinna,  
who, being personally known, or having produced \_\_\_\_\_  
as identification, and after first being sworn by me, affixed his/her signature in the space provided above on  
this 24 day of march, 2020.

Stephanie Cabezas  
NOTARY PUBLIC



My Commission Expires:



ITB 2020018 – Air Conditioning Replacements

MONROE COUNTY SCHOOL DISTRICT  
BUSINESS/PERSONAL RELATIONSHIP DISCLOSURE AFFIDAVIT

I, JoAnn Pinna, of the City/Township/Parrish of miami, State of Florida, and according to law on my oath, and under penalty of perjury, depose and say that;

1) I am the authorized representative of the company or entity making a proposal for a project described as follows:

Name of company/vendor: Master Mechanical Services Inc.

Nature of services presently being offered to School District: Air Conditioning

2) (CHECK ONE BOX) ☒ I have (OR) ☐ I have not at any time prior to this application, had a business relationship with any employee or board member of the School District of Monroe County, Florida.

IF YOU ANSWER I HAVE: Please list details of the relationship including the employee or board member's name with whom you have done business, the type of work that was performed and the years worked. Jeff Barrows - previous contracts w/ monroe County Schools

3) (CHECK ONE BOX) ☐ I have (OR) ☒ I DO NOT have a personal relationship (this includes family) with an employee of OR a board member of the School District of Monroe County, Florida.

IF YOU ANSWER I HAVE: Please list details of the relationship including the employee(s) or board member(s) name with whom you are related, and your ties to that person (spouse, mother, brother, cousin, or related by marriage, partners, etc.)

The statements contained in this affidavit are true and correct, and made with full knowledge that The School Board of Monroe County, Florida, relies upon the truth of the statements contained in this affidavit in awarding contracts for the subject project. I hereby agree to keep the School District of Monroe County, Florida, informed of any change to the information contained herein. I further understand and agree that discovery of any undisclosed relationship can and will lead to termination of any ongoing contracts, and may potentially lead to me being banned from conducting future business with the school district.

3-24-20  
Date

JoAnn Pinna  
(Signature of Authorized Representative)

STATE OF Florida  
COUNTY OF miami-Dade

PERSONALLY APPEARED BEFORE ME, the undersigned authority, JoAnn Pinna who, ☒ being personally known or ☐ having produced \_\_\_\_\_ as identification, and after first being sworn by me, affixed his/her signature in the space provided above on this 24 day of March 20 20.

Steph  
NOTARY PUBLIC

NOTARY PUBLIC  
STEPHANIE CABEZAS  
MY COMMISSION # GG 081145  
EXPIRES: February 5, 2021  
Bonded Thru Budget Notary Services

My commission expires:

ITB 2020018 – Air Conditioning Replacements

**DRUG FREE WORKPLACE FORM**

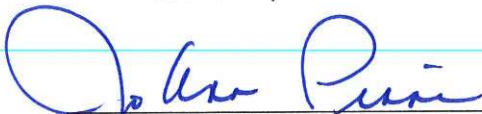
The undersigned vendor in accordance with Florida Statute 287.087 hereby certifies that:

Master Mechanical Services, Inc.

(Name of Business)

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

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



Applicant's Signature

3-24-20

Date



ITB 2020018 – Air Conditioning Replacements

**STATEMENT OF NO BID**

NOTE: If you do not intend to bid on this requirement/project, please upload this form immediately to [www.demandstar.com](http://www.demandstar.com). Thank you.

School Board of Monroe County, Florida

We, the undersigned have declined to submit a proposal due to the following reason(s):

- ☐ Specifications too "tight", i.e. geared toward one brand/manufacturer/service only (explain below)
- ☐ Unable to meet time period for responding to proposal.
- ☐ We do not offer this product or service.
- ☐ Our schedule would not permit us to perform.
- ☐ Unable to meet specifications.
- ☐ Unable to meet Bond/Insurance requirement(s).
- ☐ Specifications unclear (explain below).
- ☐ Unable to Meet Insurance Requirements.
- ☐ Please Remove Us from Your "Bidder's List".
- ☐ Other (specify below).

REMARKS: \_\_\_\_\_

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

We understand that if the "No Bid" letter is not executed and returned our name may be deleted from the Bidder's List of the School Board of Monroe County.

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

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

Proposal Number: \_\_\_\_\_

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

Signature: \_\_\_\_\_

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

Telephone: \_\_\_\_\_

**Give Form to the requester. Do not send to the IRS.**

► Go to [www.irs.gov/FormW9](http://www.irs.gov/FormW9) for instructions and the latest information.

**Print or type.**

6	5	-	0	4	6	0	4	7	4
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3-24-20

Form **W-9** (Rev. 10-2018)

ITB 2020018 – Air Conditioning Replacements

Monroe County School District  
Vendor Information Sheet

Vendor Name: Master Mechanical Services, Inc.

Federal EIN/SSN: 65-0460474

Primary Address: 15181 NW 33 Pl.  
miami, FL 33054

Payment Address: 15181 NW 33 Pl.  
miami, FL 33054

Contact Name: Sean Pinna

Phone: 305-825-3004 ext. \_\_\_\_\_

Fax: 305-825-1607

E-Mail: info@mastermechanicalservices.com



ITB 2020018 – Air Conditioning Replacements

REFERENCE FORM

Provide three references from agencies you have provided similar goods or services to in the past three (3) years.

Reference # 1

Organization Name: City of Miami Beach Telephone # 305-673-7000x  
Contact Name: Ramon Duarte Email Address: ramonduarte@miamibeachfl.gov  
Scope of Work Provided: Scott Rakow Youth Center Basketball Gym  
Attu, New York Chilled water air handler  
Project Dollar Value: \$55145.10 Present Contract Status: complete Contract Dates: 12/19

Reference # 2

Organization Name: Miami Dade College Telephone # 305-219-2259  
Contact Name: Bill Fehl Email Address: wfehl@mdc.edu  
Scope of Work Provided: Furnish & Install New Daiken system in  
Security Office  
Project Dollar Value: \$16,700 Present Contract Status: complete Contract Dates: 3/2019

Reference # 3

Organization Name: City of Tamarac Telephone # 954-597-3731  
Contact Name: Thomas Vreeland Email Address: tom.vreeland@tamarac.org  
Scope of Work Provided: Public Services South, City Hall Aquatics Center  
Furnish and Install Air Conditioning systems @  
3 locations  
Project Dollar Value: \$277,960.- Present Contract Status: complete Contract Dates: 6/2019

Authorized Representative's Signature



Date:

3-25-2019

Name (Printed) and Title:

JoAnn Pinna, President





## **Master Mechanical Services, Inc.**

CMC057200

15181 NW 33 Place

Miami, FL 33054

Office 305/825-3004

Fax 305/825-1607

[info@mastermechanicalservices.com](mailto:info@mastermechanicalservices.com)

### **SIMILAR PROJECTS RECENTLY COMPLETED**

KEY WEST HIGH SCHOOL

SUGARLOAF SCHOOL

CORAL SHORES HIGH SCHOOL

MARATHON HIGH SCHOOL

KEY LARGO SCHOOL

GATO BUILDING

CONTACT: JEFF BARROW

**Experience with Governmental Entities**

Monroe County Public Works	2006-Current
City of Miami	2002-Current
City of Miami Beach	2006-Current
Town of Davie	2010-Current
Monroe County School Board	2012-Current
Dade County School Board	2012-Current
City of Miami Fire Department	2014-Current

## Recently Completed Projects

Allapatah Elderly Center RFQ #1005381-1

\$57,544

City of Miami Procurement

ATT: Teresa Soto

444 SW 2 Ave, 6<sup>th</sup> FL

Miami, FL 33130

305/416-1919

[tsoto@miamigov.com](mailto:tsoto@miamigov.com)

Osaka

\$186,000

Brodson Construction

ATTN: Tim Funke

120 NE 27 St #100

Miami, FL 33137

305/576-9909

[tim@brodsonconstruction.com](mailto:tim@brodsonconstruction.com)

Ocean Club Key Biscayne

\$165,000

CDC Builders

ATTN: Rick Ake

5775 Blue Lagoon Dr #400A

Miami, FL 33126

305/261-4100

[rake@cdcbuilders.com](mailto:rake@cdcbuilders.com)

Tweddle Residence

\$124,900

Krome Construction

ATTN: Alex Trench

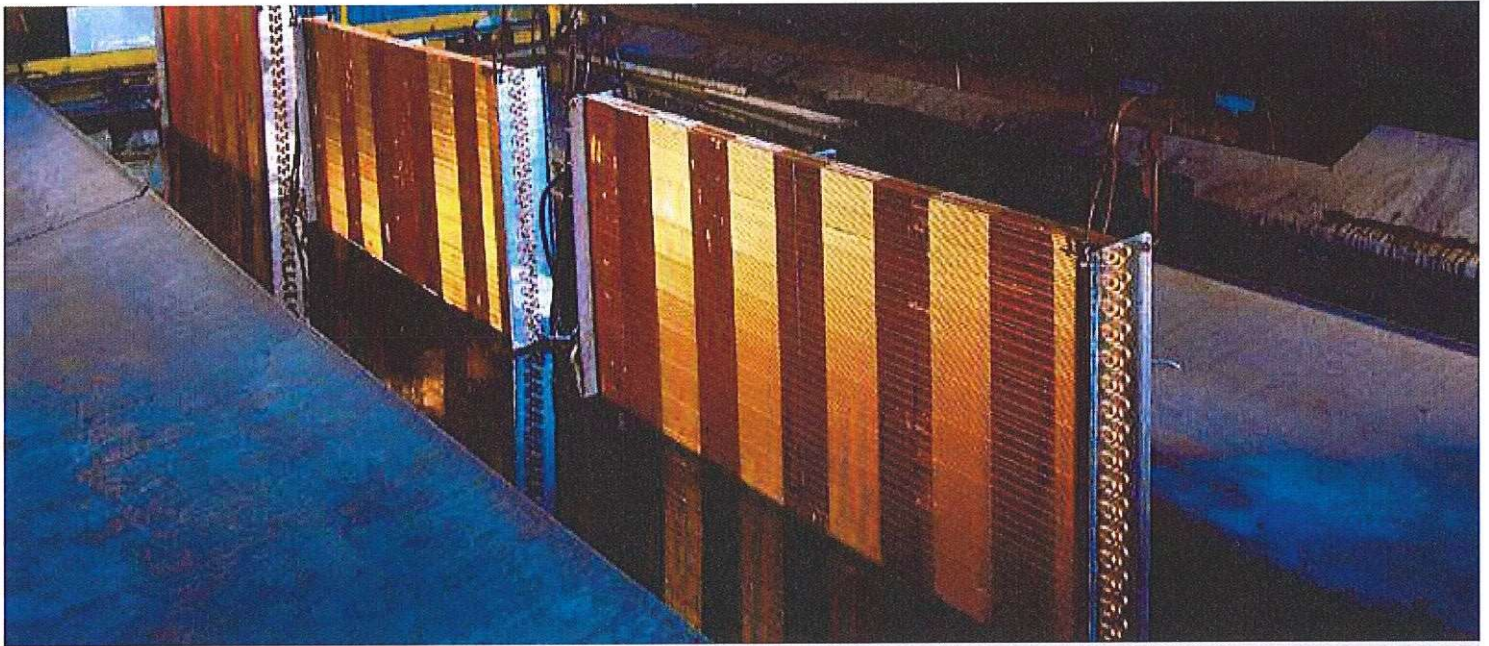
345 NE 80 St

Miami, FL 33128

305/431-3547

[atrench@kromeconstruction.com](mailto:atrench@kromeconstruction.com)





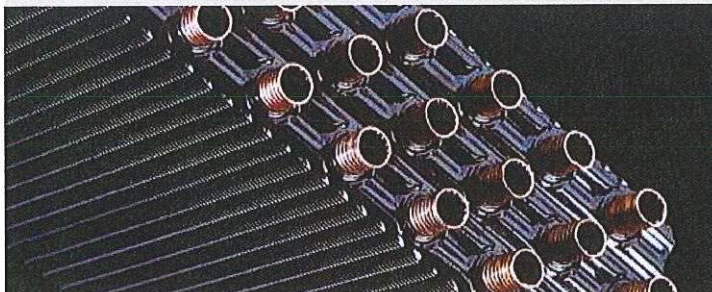
## ElectroFin® E-coat

### Factory-Applied Corrosion-Resistant Coil Coating

ElectroFin® E-coat is a water-based, flexible epoxy polymer coating process engineered specifically for HVAC/R heat transfer coils. ElectroFin uses a PPG POWERCRON® e-coat formulation specifically designed to provide excellent edge coverage of fins with a unique polymer that controls the flow characteristics of the coating.

Benefits of ElectroFin's factory-applied electrocoating process:

- The preferred corrosion-resistant coil coating choice for every major HVAC/R OEM
- The only process that can guarantee 100% coil coverage without bridging, including enhanced fin designs
- Proven corrosion protection for new all-aluminum microchannel coils
- Excellent corrosion and UV resistance make it suitable for coastal environments

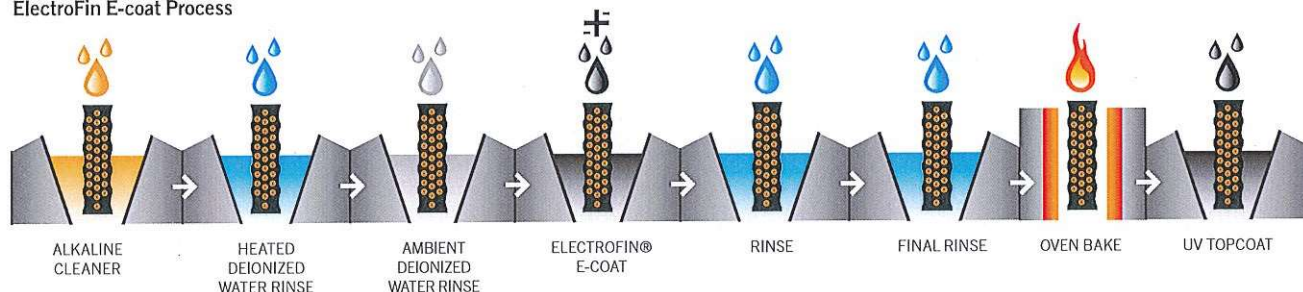


#### About Luvata

Luvata is a world leader in metal solutions manufacturing and related engineering services. Luvata's solutions are used in industries such as renewable energy, power generation, automotive, medicine, air-conditioning, industrial refrigeration, and consumer products. The company's continued success is attributed to its longevity, technological excellence and strategy of building partnerships beyond metals. Employing over 6,400 staff in 16 countries, Luvata works in partnership with customers such as Siemens, Toyota, CERN, and DWD International.



#### ElectroFin E-coat Process



Electrocoating is the process by which a metallic workpiece (coil) is submerged in a paint / water bath where electricity is used to deposit paint onto it. ElectroFin E-coat is a factory-applied corrosion-resistant coil coating which is applied in one of our two e-coat facilities.

#### Corrosion Resistance

In the electrocoating process, the coil acts in the same way as a magnet. The coating molecules are electrically attracted to the metallic coil surfaces, meaning the entire coil is completely and uniformly coated. The result is a finish which provides excellent resistance to coastal marine (salt-air), industrial and urban environments. When properly maintained, you can expect ElectroFin e-coated coils to provide protection for years.

#### Resistance to UV Degradation

When coils are to be subjected to ultraviolet exposure, they receive a spray-applied, UV-resistant urethane mastic topcoat. As a result, UV degradation of the epoxy e-coat polymer molecules is eliminated and the film integrity is maintained.

#### Proven Effective

The electro-deposition process is the most automatic, controllable, and efficient method for applying a corrosion inhibiting coating to a metallic workpiece. The process dictates that all metal surfaces are coated in an even, uniform finish. All coil surfaces reach an average e-coat dry film thickness of 1 mil (0.001").

#### Specifications

Coil will have a flexible epoxy polymer e-coat uniformly applied to all coil surface areas with no material bridging between fins. The coating process will ensure complete coil encapsulation and a uniform dry film thickness from 0.6 – 1.2 mils on all surface areas including fin edges and meet 5B rating cross-hatch adhesion per ASTM B3359-93. Corrosion durability will be confirmed through testing to no less than 5,000 hours salt spray resistance per ASTM B117-90 using scribed aluminum test coupons. Coils subjected to ultraviolet (UV) exposure will receive a spray-applied, UV-resistant urethane mastic topcoat to prevent UV degradation of epoxy e-coat film.

#### Technical Performance

Test	Standard	Qualification
Dry Film Thickness	ASTM D7091-05	0.6-1.2 mils
Gloss - 60°	ASTM D523-89	65 - 90%
Pencil Hardness	ASTM D3363-00	2 H Minimum
Water Immersion	ASTM D870-02	>1000 hours @ 100°F
Cross Hatch Adhesion	ASTM D3359-97	4B - 5B
Impact Resistance	ASTM D2794-93	160 in./lbs. Direct
Salt Spray	ASTM B117-97	6,048+ Hours
Humidity	ASTM D2247-99 1	,000 Hours Minimum
Durability	-	Very Flexible, Consistent Film
Heat Transfer Reduction	ARI 410	Less Than 1%
Bridging	-	No Bridging Guaranteed
Coating Of Enhanced Fins	-	Up to 30 fins per inch
pH Range	-	3 - 12
Temperature Limits	-	40° F to 325° F

#### ElectroFin E-coat meets these test standards

- MIL-C-46168 Chemical Agent Resistance - DS2, HCl Gas
- CID A-A-52474A (GSA)
- MIL-STD 810F, Method 509.4 (Sand and Dust)
- MIL-P-53084 (ME) –TACOM Approval
- MIL-DTL-12468 Decontamination Agent (STB)
- DPG (Dugway Proving Grounds) Soil & Water Exposure Tests
- GM9540P-97 Accelerated Corrosion Test (120 cycles)
- ASTM B117-G85 Modified Salt Spray (Fog) Testing – 2,000 hours (tested by ARL for Lockheed Martin)

#### ElectroFin E-coat vs. Others

	ElectroFin E-coat	Dip Phenolics	Elastomerics	Other E-coats
Application Method	Complete Immersion Cathodic Deposition	Manual Dip or Flow	Manual Dip or Flow	Anodic or Cathodic Deposition
Flexibility	Excellent	Poor – Good	Excellent	Good
Coating Uniformity	Computer-controlled, Consistent (0.6-1.2 mils)	Manual Inconsistent (2-6 mils)	Manual Inconsistent (2-6 mils)	Inconsistent (0.4 – 1.5 mils)
Coating Penetration	Computer-controlled Consistent	Manual "Dip and Pray"	Manual "Dip and Pray"	Inconsistent to Bare Metal
Bridging	None – Up to 30 fpi & 16 rows	Limited to 16 fpi with some bridging	Limited to 14 fpi with some bridging	Limited to 14 fpi with bridging
Thermal Loss	< 1%	2% – 6%	2% – 6%	1% – 4%

**Luvata Electrofin Kentucky**  
1423 West Ormsby Ave  
Louisville  
KY 40210  
Tel: 502 634 9458

**Luvata Electrofin Texas**  
224 Talley Nichols Drive  
Jacksonville  
TX 75766  
Toll-Free: 877 589 0009  
Tel: 903 589 0009

**Luvata Electrofin South California**  
27633 Commerce Center Drive  
Temecula  
CA 92590  
Toll-Free: 866 488 0217  
Tel: 951 699 8528

**Luvata Electrofin North Florida**  
10225 Elizabeth Place  
Tampa  
FL 33619  
Tel: 813 689 4282

**Luvata Electrofin South Florida**  
1950 NW 15th Street  
Building B  
Pompano Beach  
FL 33069  
Tel: 954 973 0584





# **TECHNICAL DESCRIPTION:**

**The *E-Coat* Process**



®



## The *E-Coat* Process

The *E-Coat* process ensures that an extremely durable and flexible epoxy coating is uniformly applied over all coil surfaces for complete encapsulation from exposure to the contaminated environment. A consistent coating is achieved through a precisely controlled electrodeposition process that bonds a thin impermeable epoxy coating on the specially prepared coil surfaces.

Electrodeposition, also known as electrocoating (*E-Coat*) is a multistep process that ensures ultraclean coils are properly coated, cured, and protected from environmental attack (Fig 1). This process includes complete immersion degreasing to remove contamination and ensure that all surfaces are ultraclean. The water bath rinses residual dust and contamination away in preparation for the *E-Coat* process. The fundamental principle of electrocoating is that the materials with opposite electrical charges attract each other. An electrocoating system applies a DC charge to the coil immersed in a bath of oppositely charged epoxy molecules. The molecules are drawn to the metal, forming an even, continuous film over the entire surface. At a certain point, the coating film insulates the metal, stopping the attraction and preventing further coating deposition.

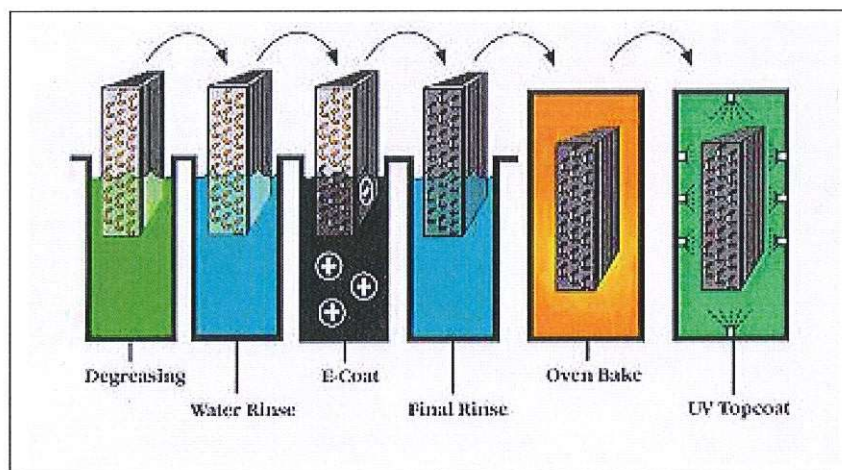


Fig 1 *E-Coat* Process

The final rinse bath removes and recovers residual coating material to ensure a smooth coating and minimize process waste. A precisely controlled oven bake cures the coating uniformly to ensure consistent adhesion on all coil surfaces. And finally, a protective UV topcoat is applied to protect the finish from ultraviolet attack and to ensure coating durability and long life. This final process is applied only to condenser coils that are susceptible to sunlight exposure.



Technical Description: *E-Coat*

*E-Coat* creates a smooth, consistent, and flexible protection that penetrates deep into all coil cavities and covers the entire coil assembly, including the fin edges (Fig 2). The process in conjunction with the coating material results in a less brittle, more resilient and more durable coating than previous phenolic coatings without bridging between adjacent fins. Coils treated with *E-Coat* provide superior protection in the most severe environments.

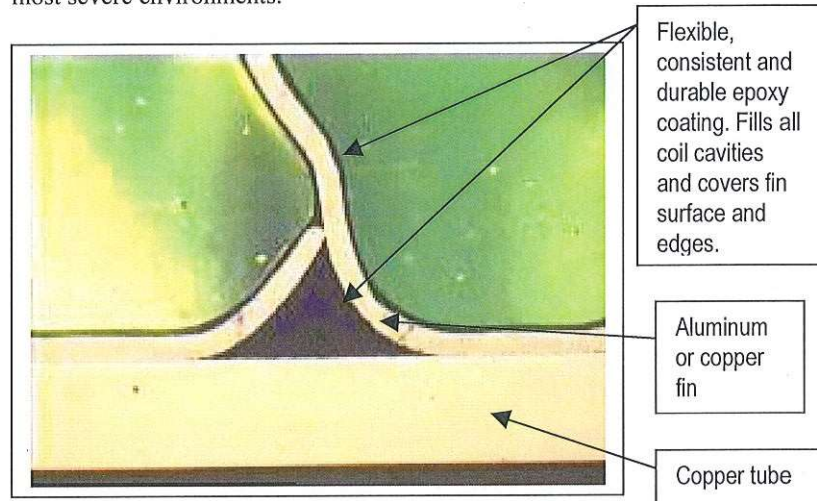


Fig 2. 50X Magnification of *E-Coat* Applied to Aluminum-Fin Copper-Tube Coil



# **Master Mechanical Services, Inc.**

CMC 057200

15181 NW 33 Place

Miami, FL 33054

Office 305/825-3004

Fax 305/825-1607

[info@mastermechanicalservices.com](mailto:info@mastermechanicalservices.com)

## **ITB 2020018 – AIR CONDITIONING REPLACEMENTS**

TENTATIVE SCHEDULE – KEY WEST HIGH SCHOOL

### **AHU REPLACEMENT**

- THIS PROJECT WILL REQUIRE 4-5 DAYS TO COMPLETE WITH NO STUDENTS ON CAMPUS



# CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)

3/28/2019

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).

<b>PRODUCER</b> Risk Strategies Company 3350 S Dixie Hwy Miami FL 33133		<b>CONTACT NAME:</b> <b>PHONE (A/C, No, Ext):</b> (305) 446-2271 <b>FAX (A/C, No):</b> <b>E-MAIL ADDRESS:</b> Certificates@kahn-carlin.com															
<b>INSURED</b> Master Mechanical Services Inc 15181 NW 33 Place Miami FL 33054		<table border="1"><thead><tr><th>INSURER(S) AFFORDING COVERAGE</th><th>NAIC #</th></tr></thead><tbody><tr><td>INSURER A: National Trust Insurance Co</td><td>20141</td></tr><tr><td>INSURER B: Monroe Guaranty Ins Co</td><td>32506</td></tr><tr><td>INSURER C: FCCI Insurance Co</td><td>10178</td></tr><tr><td>INSURER D: Federal Insurance Company</td><td>20281</td></tr><tr><td>INSURER E:</td><td></td></tr><tr><td>INSURER F:</td><td></td></tr></tbody></table>		INSURER(S) AFFORDING COVERAGE	NAIC #	INSURER A: National Trust Insurance Co	20141	INSURER B: Monroe Guaranty Ins Co	32506	INSURER C: FCCI Insurance Co	10178	INSURER D: Federal Insurance Company	20281	INSURER E:		INSURER F:	
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INSURER F:																	

**COVERAGES**

CERTIFICATE NUMBER: CL1932808223

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	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY	X		GL100041840-01	3/31/2019	3/31/2020	EACH OCCURRENCE \$ 1,000,000
	<input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR						DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 100,000
							MED EXP (Any one person) \$ 10,000
							PERSONAL & ADV INJURY \$ 1,000,000
	GEN'L AGGREGATE LIMIT APPLIES PER:						GENERAL AGGREGATE \$ 2,000,000
	<input type="checkbox"/> POLICY <input checked="" type="checkbox"/> PRO-JECT <input checked="" type="checkbox"/> LOC						PRODUCTS - COMP/OP AGG \$ 2,000,000
	OTHER:						\$
B	AUTOMOBILE LIABILITY			CA100024142-01	3/31/2019	3/31/2020	COMBINED SINGLE LIMIT (Ea accident) \$ 1,000,000
	<input checked="" type="checkbox"/> ANY AUTO		BODILY INJURY (Per person) \$				
	<input type="checkbox"/> ALL OWNED AUTOS	<input type="checkbox"/> SCHEDULED AUTOS	BODILY INJURY (Per accident) \$				
	<input checked="" type="checkbox"/> HIRED AUTOS	<input checked="" type="checkbox"/> NON-OWNED AUTOS	PROPERTY DAMAGE (Per accident) \$				
						\$	
A	<input checked="" type="checkbox"/> UMBRELLA LIAB <input checked="" type="checkbox"/> OCCUR			UMB100024143-01	3/31/2019	3/31/2020	EACH OCCURRENCE \$ 4,000,000
	<input type="checkbox"/> EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE		AGGREGATE \$ 4,000,000				
	<input type="checkbox"/> DED <input checked="" type="checkbox"/> RETENTION \$ 10,000		\$				
C	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY	Y/N	N/A	001-WC19A-72097	3/31/2019	3/31/2020	<input checked="" type="checkbox"/> PER STATUTE <input type="checkbox"/> OTH-ER
	ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH)						E.L. EACH ACCIDENT \$ 1,000,000
	If yes, describe under DESCRIPTION OF OPERATIONS below						E.L. DISEASE - EA EMPLOYEE \$ 1,000,000
							E.L. DISEASE - POLICY LIMIT \$ 1,000,000
D	Leased/Rented Equipment			0664-21-83-ECE	3/31/2019	3/31/2020	Limit \$100,000
			Deductible \$1,000				

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

The certificate holder is additional insured as respects to General Liability.

**CERTIFICATE HOLDER****CANCELLATION**

Monroe County School District  
241 Trumbo Road  
Key West, FL 33040

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

M Christian/STEDER

*M.C. Christian*

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**2019 / 2020  
MONROE COUNTY BUSINESS TAX RECEIPT  
EXPIRES SEPTEMBER 30, 2020**

Business Name: MASTER MECHANICAL SERVICES INC  
Owner Name: JOANN PINNA PRES, WILLIAM FLOWERS  
Mailing Address: QUALIFIER  
15181 NW 33 PL  
MIAMI, FL 33054  
Business Location: MO CTY  
KEY WEST, FL 33040  
Business Phone: 305-825-3004  
Business Type: CONTRACTOR (HVAC; GENERAL)

RECEIPT# 30140-93813

Employees 15

STATE LICENSE: CMC057200; CGC1506699

Tax Amount	Transfer Fee	Sub-Total	Penalty	Prior Years	Collection Cost	Total Paid
35.00	0.00	35.00	0.00	0.00	0.00	35.00

Paid 000-18-00025058 07/02/2019 35.00

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, 2020**

Business Name: MASTER MECHANICAL SERVICES INC  
Owner Name: JOANN PINNA PRES, WILLIAM FLOWERS  
Mailing Address: QUALIFIER  
15181 NW 33 PL  
MIAMI, FL 33054  
Business Location: MO CTY  
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Paid 000-18-00025058 07/02/2019 35.00

004437

# Local Business Tax Receipt

Miami-Dade County, State of Florida

-THIS IS NOT A BILL-DO NOT PAY

4549821

**BUSINESS NAME/LOCATION**

MASTER MECHANICAL SERVICES INC  
15181 NW 33RD PL  
MIAMI GARDENS FL 33054

**RECEIPT NO.**

RENEWAL  
4749843



**EXPIRES**

**SEPTEMBER 30, 2020**

Must be displayed at place of business  
Pursuant to County Code  
Chapter 8A - Art. 9 & 10

**OWNER**

MASTER MECHANICAL SERVICES INC  
WILLIAMS S FLOWERS QUALIFIER

**SEC. TYPE OF BUSINESS**

196 GENERAL MECHANICAL CONTRACTOR  
CMC057200

**PAYMENT RECEIVED  
BY TAX COLLECTOR**

\$45.00 07/09/2019

ECHECK-19-215631

Worker(s) 4

This Local Business Tax Receipt only confirms payment of the Local Business Tax. The Receipt is not a license, permit, or a certification of the holder's qualifications, to do business. Holder must comply with any governmental or nongovernmental regulatory laws and requirements which apply to the business.

The RECEIPT NO: above must be displayed on all commercial vehicles.- Miami-Dade Code Sec 8a-276.

For more information, visit [www.miamidade.gov/taxcollector](http://www.miamidade.gov/taxcollector)



RICK SCOTT, GOVERNOR

JONATHAN ZACHEM, SECRETARY



**STATE OF FLORIDA**  
**DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION**  
**CONSTRUCTION INDUSTRY LICENSING BOARD**

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

**FLOWERS, WILLIAM SHAWN**

MASTER MECHANICAL SERVICES INC  
15181 NW 33 PLACE  
MIAMI FL 33054

**LICENSE NUMBER: CMC057200**

**EXPIRATION DATE: AUGUST 31, 2020**

Always verify licenses online at [MyFloridaLicense.com](http://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.



# *State of Florida*

## *Department of State*

I certify from the records of this office that MASTER MECHANICAL SERVICES, INC. is a corporation organized under the laws of the State of Florida, filed on January 11, 1994.

The document number of this corporation is P94000002666.

I further certify that said corporation has paid all fees due this office through December 31, 2020, that its most recent annual report/uniform business report was filed on January 2, 2020, and that its status is active.

I further certify that said corporation has not filed Articles of Dissolution.

*Given under my hand and the  
Great Seal of the State of Florida  
at Tallahassee, the Capital, this  
the Second day of January, 2020*



*Randy R. ...*  
**Secretary of State**

Tracking Number: 5978972044CC

To authenticate this certificate, visit the following site, enter this number, and then follow the instructions displayed.

<https://services.sunbiz.org/Filings/CertificateOfStatus/CertificateAuthentication>

MONROE COUNTY SCHOOL DISTRICT

SURETY LETTER OF INTENT



This is to advise The School Board of Monroe County Florida (The Board) that until further notice in writing that United States Fire Insurance Company (Name of Surety) agrees to provide surety on behalf of Master Mechanical Services, Inc. covering construction in the amount of \$3,000,000 for any single contract and \$6,000,000 in the aggregate.

When more than one surety is included in this letter of intent, unless clearly indicated to the contrary, and separate limits are indicated for each surety, each surety agrees that it shall be jointly and severally liable.

The undersigned(s) also advises The Board that the following is a true and accurate description of the Surety's performance rating and financial size:

The Surety's A.M. BEST rating performance A+ (A- or better is required)

The Surety's Financial size is: A/XIII

The Surety's A.M. BEST identification number is: 002136

Name of Surety: United States Fire Insurance Company

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

Signature

Joseph P. Nielson, Atty.-In-Fact

Name (Printed/Typed) Title

(Affix Seal)

Sworn to and subscribed before me this March 26, 2020.

Notary Public State of: Florida

My Commission Expires: \_\_\_\_\_

GUILLERMO GLESIAS

NOTARY PUBLIC

STATE OF FLORIDA

NO. GG204944

MY COMMISSION EXPIRES MAY. 21, 2022

(Printed, typed or stamped commissioned name of notary public)



The Surety's A.M. BEST rating performance \_\_\_\_\_ (A- or better is required)

The Surety's Financial size is: \_\_\_\_\_

The Surety's A.M. BEST identification number is: \_\_\_\_\_

Name of Surety: \_\_\_\_\_

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

Signature

Name (Printed/Typed) Title

(Affix Seal)

Sworn to and subscribed before me this \_\_\_\_\_ day of \_\_\_\_\_.

Notary Public State of: \_\_\_\_\_

My Commission expires: \_\_\_\_\_

(Printed, typed or stamped commissioned name of notary public)



POWER OF ATTORNEY  
UNITED STATES FIRE INSURANCE COMPANY  
PRINCIPAL OFFICE - MORRISTOWN, NEW JERSEY

00927402020

KNOW ALL MEN BY THESE PRESENTS: That United States Fire Insurance Company, a corporation duly organized and existing under the laws of the state of Delaware, has made, constituted and appointed, and does hereby make, constitute and appoint:

*Ian A. Nipper, David Russell Hoover, Joseph Penichet Nielson,  
Charles David Nielson, Charles Jackson Nielson, Shawn Alan Burton, Jarrett Merlucci*

each, its true and lawful Attorney(s)-In-Fact, with full power and authority hereby conferred in its name, place and stead, to execute, acknowledge and deliver: Any and all bonds and undertakings of surety and other documents that the ordinary course of surety business may require, and to bind United States Fire Insurance Company thereby as fully and to the same extent as if such bonds or undertakings had been duly executed and acknowledged by the regularly elected officers of United States Fire Insurance Company at its principal office, in amounts or penalties not exceeding: **Seven Million, Five Hundred Thousand Dollars (\$7,500,000)**.

This Power of Attorney limits the act of those named therein to the bonds and undertakings specifically named therein, and they have no authority to bind United States Fire Insurance Company except in the manner and to the extent therein stated.

This Power of Attorney revokes all previous Powers of Attorney issued on behalf of the Attorneys-In-Fact named above and expires on January 31, 2021.

This Power of Attorney is granted pursuant to Article IV of the By-Laws of United States Fire Insurance Company as now in full force and effect, and consistent with Article III thereof which Articles provide, in pertinent part:

Article IV, Execution of Instruments - Except as the Board of Directors may authorize by resolution, the Chairman of the Board, President, any Vice-President, any Assistant Vice President, the Secretary, or any Assistant Secretary shall have power on behalf of the Corporation:

(a) to execute, affix the corporate seal manually or by facsimile to, acknowledge, verify and deliver any contracts, obligations, instruments and documents whatsoever in connection with its business including, without limiting the foregoing, any bonds, guarantees, undertakings, recognizances, powers of attorney or revocations of any powers of attorney, stipulations, policies of insurance, deeds, leases, mortgages, releases, satisfactions and agency agreements;

(b) to appoint, in writing, one or more persons for any or all of the purposes mentioned in the preceding paragraph (a), including affixing the seal of the Corporation.

Article III, Officers, Section 3.11, Facsimile Signatures. The signature of any officer authorized by the Corporation to sign any bonds, guarantees, undertakings, recognizances, stipulations, powers of attorney or revocations of any powers of attorney and policies of insurance issued by the Corporation may be printed, facsimile, lithographed or otherwise produced. In addition, if and as authorized by the Board of Directors, dividend warrants or checks, or other numerous instruments similar to one another in form, may be signed by the facsimile signature or signatures, lithographed or otherwise produced, of such officer or officers of the Corporation as from time to time may be authorized to sign such instruments on behalf of the Corporation. The Corporation may continue to use for the purposes herein stated the facsimile signature of any person or persons who shall have been such officer or officers of the Corporation, notwithstanding the fact that he may have ceased to be such at the time when such instruments shall be issued.

IN WITNESS WHEREOF, United States Fire Insurance Company has caused these presents to be signed and attested by its appropriate officer and its corporate seal hereunto affixed this 22<sup>nd</sup> day of August 2019.

UNITED STATES FIRE INSURANCE COMPANY



*A.R.S.*

Anthony R. Slimowicz, Executive Vice President

State of Pennsylvania }  
County of Philadelphia }

On this 22<sup>nd</sup> day of August 2019, before me, a Notary public of the State of Pennsylvania, came the above named officer of United States Fire Insurance Company, to me personally known to be the individual and officer described herein, and acknowledged that he executed the foregoing instrument and affixed the seal of United States Fire Insurance Company thereto by the authority of his office.

Commonwealth of Pennsylvania - Notary Seal  
Tamara Watkins, Notary Public  
Philadelphia County  
My commission expires August 22, 2023  
Commission number 1348843

*Tamara Watkins*

Tamara Watkins

(Notary Public)

I, the undersigned officer of United States Fire Insurance Company, a Delaware corporation, do hereby certify that the original Power of Attorney of which the foregoing is a full, true and correct copy is still in force and effect and has not been revoked.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed the corporate seal of United States Fire Insurance Company on the 26 day of March 2020

UNITED STATES FIRE INSURANCE COMPANY



*Al Wright*

Al Wright, Senior Vice President