

INVITATION TO BID

Leon County School Board Purchasing Department

Release

Date: March 6, 2022 **ITB No.:** 5690-2023

ITB Title: Woodville PreK-8 School Heating, Ventilation,

and Air Conditioning Replacement Project

Contact: Debbie Bates / batesd@leonschools.net

Phone: 850-617-5977

The Leon County School Board ("School Board") solicits your company to submit a bid on the above referenced goods or services. All terms, specifications and conditions set forth in this request are incorporated by this reference into your response. This sealed bid must be submitted to The Leon County School Board, Purchasing Department, 3397 W. Tharpe St, Tallahassee, Florida 32303, no later than **2:00 P.M.** local time on **March 30, 2022** and plainly marked ITB No. **5690-2023**. Bids are due and will be opened at this time.

REQUIRED SUBMITTAL CHECKLIST - For each item below, insert bidder Authorized Agent initials verifying that forms are accurately completed, signed by an officer of the business and returned with the bid. **Failure to provide all requested documents may result in your proposal being declared non-responsive.**

Bidder should submit	t one (1) original, two (2) copies		
ITB – Bidder Acknowledgement Form	_ Drug Free Workplace Certificati	ion (Exhibit E)	
Dispute Contact – pg. 5, item 20	 Certification Regarding Debarment (Exhibit F) 		
Bid Proposal Form – pg. 13	 Sworn Statement / Jessica Lunsford Act (Exhibit G) 		
Conflict of Interest Certificate (Exhibit A)	 Affidavit For Claiming Local Purchasing Preference (Exhibit H) 		
Application for Vendor Status Forms (Exhibit B)	 Indemnification and Insurance Requirements (Exhibit I) 		
E-Verify Affidavit (Exhibit C)	Mandatory Responsive Checklist (Exhibit J)		
Vendor Questionnaire (Exhibit D)	Construction Documents (Exhibit K)		
BY AN AUTHORIZED AGENT OF THE BIDDER. Authorized Representative's Name/Title	Authorized Representative's Signature	Date	
Company's Name	Telephone Number	FAX Number	
Address	City	State Zip Code	
Area Representative	Telephone Number	FAX Number	
Federal Employer's Identification Number (FEIN)	Email		
I certify that I have not divulged, discussed, or compared this proposal w preparation of this proposal in order to gain an unfair advantage in the a the public domain as defined in the Public Records Act, Chapter 119, FS.	award of this contract. I acknowledge that all inform		
By signing and submitting this proposal, I certify that I am authorized to contents of this ITB, all Attachments, Worksheets, Appendices, Supplem			
Signature of Authorized Officer/Agent: (Rid must be signed by an officer or e	Typed or Printe		
NO RESPONSE – I HEREBY SUBMIT THIS AS A Remove our name from this bid list only ☐ Insufficient tim Keep our company on bid list for future bids ☐ Could not mee We do not offer the product or service requested. ☐ Other	ne to respond to the ITB $\ \square$ Could not meet in	surance requirements would not permit us to perform	

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Mandatory Responsive Checklist

Construction Documents

EXHIBIT J

EXHIBIT K

BID IDENTIFICATION LABEL

NOTICE TO ALL BIDDERS: A label has been provided to properly identify your bid. Place the bid in a sealed envelope, type the name and address of the bidder on the label and affix the label to the front of the envelope.

The summer hours for the School Board Purchasing office are from 8:00 a.m. - 4:30 p.m. Monday through Thursday. If you are hand delivering a proposal, a Purchasing representative will be available to time/date stamp your submittal during these hours.

Cut out the label below and attach it to your envelope.

Seale	ed Bid – DO NOT OPEN	Sealed Bid – DO NOT OPEN	
	Woodville PreK-8 School He	ating, Ventilation, and Air Conditioning	
Bid Title:	Replacement Project		
Bid No.:	5690-2023		
Bids Due:	March 30, 2022 @ 2:00 P.M.		
From: _			
Address:			
Address			
_			
Deliver To:	Leon County Schools		
	Purchasing Department		
	3397 West Tharpe Stree	t	
	Tallahassee, Florida 323	03	
Seale	ed Bid – DO NOT OPEN	Sealed Bid – DO NOT OPEN	

I. GENERAL TERMS AND CONDITIONS

1. INTRODUCTION: The purpose and intent of this Invitation to Bid (ITB) is to secure a firm price and to identify a qualified vendor for Woodville PreK-8 School Heating, Ventilation, and Air Conditioning Replacement Project.

Interested firms must hold a current Certificate of Prequalification from the Leon County School Board Construction & Facilities Department. Certificates will be valid for one year from the date of School Board approval and must be renewed annually. Instructions are available at: https://www.leonschools.net/Page/4815. Submittals for work from firms not prequalified at the time of submittal will be deemed nonresponsive and will not be considered.

2. SCHOOL BOARD CONTACT: All questions for additional information regarding this ITB must be directed to the designated Purchasing Agent noted on the title page.

All contact and requests for clarifications should be submitted via e-mail to: batesd@leonschools.net no later than March 17, 2022. Responses will be distributed no later than March 22, 2022.

Prospective bidders shall not contact any member of the Leon County School Board, Superintendent, or staff regarding this Bid prior to posting of the award recommendation on the LCS Purchasing website. Any contact shall be cause for rejection of the Vendor's Bid.

- **3. DEFINITIONS:** The term "Bidder" as used within this Invitation to Bid (ITB) refers to the person, company, or organization responding to this ITB. The Bidder is responsible for understanding and complying with the terms and conditions herein. The term "School Board" refers to the School Board of Leon County, Florida.
- 4. BIDDER'S RESPONSIBILITY: It is the responsibility of the Bidder to obtain all pages of the ITB package and all attachments thereto, together with any addenda to the ITB package that may be issued prior to the ITB due date. ITB package and addenda as well as general information can be found at www.leonschools.net/Page/4411.

Before submitting their Bid, each Bidder is required to carefully examine the ITB specifications and to completely familiarize themselves with all of the terms and conditions that are contained within this request. Ignorance on the part of the Bidder will in no way relieve them of any of the obligations and responsibilities, which are a part of this ITB.

- 5. PUBLIC OPENING: The Bids shall be opened at the date, time and place listed herein, or as amended in the form of an addenda. The names of Bidder and the price submitted will be read aloud at the public opening. A list of the respondents submitting Bids can be requested in writing from the Board's Contact. In accordance with Section 119.071(1)(b), Florida Statutes, sealed bids, proposals, or replies received by an agency pursuant to a competitive solicitation are exempt from Section 119.07(1), Florida Statutes, and Section 24(a), Art. I of the State Constitution until such time as the agency provides notice of an intended decision or until thirty (30) days after opening the bids, proposals, or final replies, whichever is earlier. If an agency rejects all bids, proposals, or replies submitted in response to a competitive solicitation and the agency concurrently provides notice of its intent to reissue the competitive solicitation, the rejected bids, proposals, or replies remain exempt from Section 119.07(1), Florida Statutes, and Section 24(a), Art. I of the State Constitution until such time as the agency provides notice of an intended decision concerning the reissued competitive solicitation or until the agency withdraws the
- **6. AWARD:** The Board intends to award the resulting contract to the responsible and responsive Bidder whose Bid is determined to be the lowest total cost. In the event the Responsible Bidder with the lowest total price is found non-responsive, the Board may proceed to the next Responsible Bidder who submitted a Responsive Bid with the lowest total cost and continue the award process. Any or all award(s) made as a

result of this ITB shall conform to all applicable laws, rules, and Board policies and procedures.

It is anticipated that a recommendation for award will be presented to the School Board for consideration at its April 12, 2022 meeting.

- 7. ORIGINAL AND RENEWAL TERM: The School Board intends to issue a purchase order upon Board approval of the award, on or about April 13, 2022 with on-site work anticipated to begin upon receiving a Notice to Proceed and completed within fourteen days after the vendor receives the Heating, Ventilation, and Air Conditioning equipment. All work must be scheduled with the Board's Project Coordinator. By submitting a Bid, the Bidder agrees that work can be completed within this timeframe.
- **8. RESERVATION FOR REJECTION OR AWARD:** The School Board reserves the right to reject any or all bids and to waive minor irregularities or technicalities.
- **9. CONTRACT** The submission of a Bid constitutes a firm offer by the Bidder. Upon award by the School Board, the Purchasing Department will issue a purchase order(s) for any supplies, equipment, or services as a result of this ITB. The ITB and the corresponding purchase order(s) will constitute the complete agreement between the successful bidder and the School Board. Unless otherwise stipulated in the ITB or agreed to in writing by both parties, no other contract documents shall be issued or accepted.
- **10. FIRM OFFER:** Any Bid may be withdrawn until the date and time set for the opening of Bids. Any Bid not withdrawn shall constitute a binding offer to provide the School Board the services/products set forth in this ITB. Such offer shall be held for a period of 90 days from the ITB opening date.
- **11. CONFIDENTIALITY:** Bidders shall be aware that all submittals provided with a bid are subject to public disclosure and will not be afforded confidentiality with the exception of "sealed" financial statements.
- 12. PUBLIC RECORDS LAW: Pursuant to Chapter 119.071(1), Florida Statutes, bids received as a result of this ITB will not become public record until thirty (30) days after the date of opening or until posting of a recommendation for award, whichever occurs first. Thereafter, all documents and materials submitted by Bidders in response to this ITB will be open for inspection by any person and in accordance with Chapter 119, Florida Statutes. To the extent a Bidder asserts any portion of its Bid is exempt or confidential from disclosure under Florida's public records, the burden shall be on the Bidder to obtain a protective order from a jurisdictional court protecting such information from disclosure under Florida's public records laws and also timely provide a certified copy of such protective order to the School Board prior to the School Board's release of such information into the public domain

13. AUDITS, RECORDS, AND RECORDS RETENTION: REQUIRED PUBLIC RECORDS ACKNOWLEDGEMENT

To the extent Contractor is required to comply with the Florida Public Records Law, Chapter 119, Florida Statutes, in the performance of its duties under this contract, Contractor will specifically:

- A. Keep and maintain public records required by LCSB to perform the service.
- B. Upon request from LCSB's custodian of public records, provide LCSB with a copy of the requested records or allow the records to be inspected or copied within a reasonable time at a cost that does not exceed the cost provided in the Chapter 119, Florida Statutes or as otherwise provided by law.
- C. Ensure that public records that are exempt or confidential and exempt from public records disclosure requirements are not disclosed except as authorized by law for the duration of the

- contract term and following completion of the Agreement if Contractor does not transfer the records to LCSB.
- D. Upon completion of the Agreement, transfer, at no cost to LCSB, all public records in possession of the Contractor or keep and maintain public records required by LCSB to perform the service. If Contractor transfers all public records to LCSB upon completion of the Agreement, Contractor shall destroy any duplicate public records that are exempt or confidential and exempt from public records disclosure requirements. If Contractor keeps and maintains public records upon completion of the Agreement, Contractor shall meet all applicable requirements for retaining public records. All records stored electronically must be provided to LCSB, upon request of LCSB's custodian of public records, in a format that is compatible with the information technology systems of LCSB.
- **E.** The failure of the Contractor to comply with the provisions set forth herein shall constitute a default and material breach of this Agreement, which may result in immediate termination, with no penalty to LCSB.

PUBLIC RECORDS NOTICE
IF CONTRACTOR HAS QUESTIONS
REGARDING THE APPLICATION OF
CHAPTER 119, FLORIDA STATUTES, TO
CONTRACTOR'S DUTY TO PROVIDE PUBLIC
RECORDS RELATING TO THIS AGREEMENT,
CONTACT THE CUSTODIAN OF PUBLIC
RECORDS, JULIE JERNIGAN, AT
JERNIGANJ@LEONSCHOOLS.NET,
(850)487-7177, 520 SOUTH APPLEYARD
DRIVE, TALLAHASSEE, FLORIDA 32304.

- **14. BID PREPARATION COSTS:** Neither the School Board nor its representatives shall be liable for any expenses incurred in connection with the preparation of a response to this ITB.
- **15. BID OPENING AND FORM:** Bid openings will be public on the date and time specified on the Bidder's Acknowledgement Form. All Bids received after the time indicated will be rejected as non-responsive and returned to sender. The School Board will not accept verbal Bids or those submitted via email or fax. The School Board is not responsible for lost or late delivery of Bids by the U.S. Postal Service or other delivery services used by the Bidder.
- 16. CLARIFICATIONS AND INTERPRETATIONS: The School Board reserves the right to allow for clarification of questionable entries, and for the Bidder to withdraw items with obvious mistakes. In the event of a conflict between the General Bid Terms and Conditions and any Special Terms and Conditions attached hereto, the Special Terms and Conditions shall have precedence. Any questions concerning terms, conditions, or specifications shall be directed to the designated Purchasing Agent referenced on the ITB Acknowledgement. It is the Bidder's responsibility to assure the receipt of all addendum issued. No person is authorized to give oral interpretations of, or make oral changes to the Bid. Oral statements given before the bid opening date will not be binding. The School Board will consider no interpretations binding unless provided in writing through an Addendum to the solicitation. Addenda will be made available at http://www.leonschools.net/Domain/195. Interested parties are responsible for monitoring the School Board website for new, changing, or clarifying information relative to this solicitation.

17. DEFAULT: In the event that the awarded Bidder should breach this contract, the School Board reserves the right to seek all remedies in law and/or in equity.

18. FUNDING OUT/CANCELATION OR TERMINATION WITH OR WITHOUT CAUSE:

- A. WITH CAUSE: In the event any of the provisions of the Contract are violated by the bidder, the Superintendent or designee shall give written notice to the bidder stating the deficiencies and unless the deficiencies are corrected within ten days, recommendation will be made to the School Board or its designee for immediate cancellation. Upon cancellation, hereunder the School Board may pursue any and all legal remedies as provided herein and by law. In the event that it is subsequently determined that a cancellation under this paragraph was incorrect, the termination shall be converted to a termination for convenience pursuant to the next paragraph.
- B. WITHOUT CAUSE: The School Board or its designee reserves the right to terminate any contract resulting from this Invitation to Bid at any time and for no reason whatsoever, upon giving 30 days prior written notice to the bidder. If the Contract should be terminated for convenience as provided herein, the School Board shall be relieved of all obligations under said Contract. The School Board or its designee shall only be required to pay to the successful bidder that amount of the Contract actually performed to the date of termination.
- **19. TIE BID:** According to Section 287.087, F.S. tie bid preference shall be awarded to Bidders with Drug Free Work Place programs. Whenever two or more Bids are equal in price, quality, and service, a Bid received from a business that certifies that it has implemented a Drug Free Work Place program shall be given preference in the award process. In the event both Bidders have a Drug Free Work Place, preference shall be awarded in the following order: Local Vendors as specified in School Board Policy 6450, SBE certified as specified in School Board Policy 6450, SBE certified as specified in School Board Policy 6325. If both Bidders meet all requirements, according to standard purchasing practice, the Director of Purchasing will flip a coin to break the tie. Bidder's company name closest to the letter "A" will always be assigned heads in the coin toss.
- **20. DISPUTE:** In case of any doubt or difference of opinion as to the items to be furnished hereunder, the decision of the School Board shall be final and binding on both parties. In the event a dispute occurs, or a clarification of contract terms becomes necessary, *please indicate your company representative for arbitration proceedings*.

Representative's Name:	
Telephone Number:	

Our School Board Representatives will be:

Opal McKinney-Williams, B.C.S Pittman Law Group, P.L. (850) 216-1002

21. BID PROTESTS: Any person desiring to protest the conditions/specifications in this Bid or any Addenda thereto, shall file a written notice of protest within 72 hours after public posting of the Bid, Addendum, or Board decision and shall file a formal written protest within ten days after the date the notice of protest was filed. Saturdays, Sundays and legal holidays or days during which the School Board administration is closed shall be excluded in the computation of the 72-hour period. If the 10th calendar day falls on a Saturday, Sunday or legal holiday, the formal written protest must be received on or before 4:30 p.m. of the next calendar day that is not a Saturday, Sunday, legal holiday, or day during which the School Board District offices are closed.

Failure to file a protest within the time prescribed in section 120.57 (3), Florida Statutes, or failure to post the bond or other security required by

law within the time allowed for filing a bond shall constitute a waiver of proceedings under chapter 120, Florida Statutes, and School Board Policy 6326. Failure to follow any other requirements in the bid protest procedures established by the School Board of Leon County, Florida shall constitute a waiver of all protest rights.

- 22. GOVERNING LAW AND VENUE: All legal proceedings brought in connection with this contract shall only be brought in a state or federal court located in the state of Florida. Venue in state court shall be in Leon County, Florida. Venue in federal court shall be in the United States District Court, Northern District of Florida Tallahassee Division. Each party hereby agrees to submit to the personal jurisdiction of these courts for any lawsuits filed there against such party arising under or in connection with this contract. In the event that a legal proceeding is brought for the enforcement of any term of the contract, or any right arising there from, the parties expressly waive their respective rights to have such action tried by jury trial and hereby consent to the use of nonjury trial for the adjudication of such suit. All questions concerning the validity, operation, interpretation, construction and enforcement of any terms, covenants or conditions of this contract shall in all respects be governed by and determined in accordance with the laws of the State of Florida without giving effect to the choice of law principles thereof and unless otherwise preempted by federal law.
- 23. COMPLIANCE WITH STATE/FEDERAL REGULATIONS: All contracts involving federal funds will contain certain provisions required by applicable sections of CFR 34, Section 80.36(I) and Part 85.510, Florida Statute 257.36, or Florida Administrative Code Chapter 1B. The bidder certifies by signing the bid that the bidder and his/her principals are not presently debarred, suspended, proposed for debarment, declared ineligible or voluntarily excluded from participation in federally funded transactions and may, in certain instances, be required to provide a separate written certification to this effect.

During the term of any contract with the School Board, in the event of debarment, suspension, proposed debarment, declared ineligible or voluntarily excluded from participation in federally funded transactions, the Bidder shall immediately notify the Director of Purchasing, in writing. Bidders will also be required to provide access to records, which are directly pertinent to the contract and retain all required records for three (3) years after the School Board makes final payment.

For all contracts involving Federal funds in excess of \$10,000, the School Board reserves the right to terminate the contract for cause, as well as for convenience, by issuing a certified notice to the Bidder.

24. COMPLIANCE WITH SCHOOL CODE: Bidder agrees to comply with all sections of the Florida K-20 Education Code, Title XLVIII, Florida Statutes as it presently exists and further as it may be amended from time to time. Further, Contractor agrees that failure to comply with the Florida K-20 Education Code shall constitute a material breach of this Contract and may result in the termination of this Contract by the School Board.

25. NONDISCRIMINATION NOTIFICATION AND CONTACT

INFORMATION: "No person shall on the basis of sex (including transgender, gender nonconforming and gender identity), marital status, sexual orientation, race, religion, ethnicity, national origin, age, color, pregnancy, disability, military status or genetic information be denied employment, receipt of services, access to or participation in school activities or programs if qualified to receive such services, or otherwise be discriminated against or placed in a hostile environment in any educational program or activity including those receiving federal financial assistance, except as provided by law." No person shall deny equal access or a fair opportunity to meet to, or discriminate against, any group officially affiliated with the Boy Scouts of America, or any other youth group listed in Title 36 of the United States Code as a patriotic society.

An employee, student, parent or applicant alleging discrimination with respect to employment, or any educational program or activity may contact:

Dr. Kathleen L. Rodgers, Assistant Superintendent
Equity Coordinator (Students) and
Title IX Compliance Officer
Leon County School District
2757 West Pensacola Street
Tallahassee, Florida 32304
(850) 487-7306
rodgersk@leonschools.net

Deana McAllister, Assistant Superintendent Labor and Relations, Equity Coordinator (Employees) (850) 487-7207

mcallisterd@leonschools.net

A student or parent alleging discrimination as it relates to Section 504 of the Rehabilitation Act may contact:

Karin Gerold, 504 Specialist (850) 487-7160 geroldk@leonschools.net

- **26. SBDO PROGRAM:** The School Board established the Small Business Development Office to support innovative race and gender-neutral strategies to promote qualified small business participation as specified in School Board Policy 6325.
- **27. LOCAL PREFERENCE:** This ITB is subject to the local preference provisions as specified in School Board Policy 6450.
- **28. FLORIDA PREFERENCE:** This ITB is subject to Section 287.084, Florida Statutes, which requires, among other things, the following: "A vendor whose principal place of business is outside this state must accompany any written bid, proposal, or reply documents with a written opinion of an attorney at law licensed to practice law in that foreign state, as to the preferences, if any or none, granted by the law of that state to its own business entities whose principal places of business are in that foreign state in the letting of any or all public contracts." Any bidder, regardless of whether its principal place of business is located inside or outside of this state, who submits any written bid, proposal or reply documents is responsible for understanding and complying with the requirements of §287.084 Florida Statutes.
- **29. CHARTER SCHOOLS:** Items or services awarded under this Contract shall be made available to Charter Schools approved by the School Board. The School Board is not responsible or liable for purchases that may be made by Charter Schools.

II. LICENSURE, INSURANCE AND LIABILITY

- **1. OCCUPATIONAL LICENSE:** The contractor shall be responsible for obtaining and maintaining throughout the contract period any required occupational license and other licenses required pursuant to the laws of Leon County, the City of Tallahassee, or the State of Florida.
- **2. WORKER'S COMPENSATION:** Bidders shall obtain and maintain during the life of the contract Workers' Compensation Insurance in compliance with Chapter 440, Florida Statutes for all of his employees employed on the project. In case any work is sublet, bidder shall require subcontractors similarly to provide Workers' Compensation Insurance.
- **3. LIABILITY:** Where bidders are required to enter or go onto School Board property to deliver materials, perform work or provide services as a result of a bid award, the bidder assumes full duty, obligation and expense of obtaining all necessary licenses, permits and insurance, and shall be fully responsible for its own negligent or willful acts or omissions.

- 4. INSURANCE AND INDEMNIFICATION: This General Condition is NOT subject to negotiation and any Bid that fails to accept these conditions will be rejected as "non-responsive", unless the Bidder is entitled to sovereign immunity by action of the Florida Legislature. Each party agrees to be fully responsible for its acts of negligence, or its agents' acts of negligence when acting within the scope of their employment and agrees to be liable for any damages resulting from said negligence to the extent allowable pursuant to Section 768.28, Florida Statutes. Nothing herein is intended to serve as a waiver of sovereign immunity by the School Board. Nothing herein shall be construed as consent by the School Board to be sued by third parties in any matter arising out of any contract. Bidder shall hold harmless and defend the School Board and its agents and employees from all suits and actions, including attorney's fees and all costs of litigation and judgments of any name and description arising out of or incidental to the performance of this contract or work performed there under. This provision shall also pertain to any claims brought against the School Board by an employee of the named Bidder, any Subcontractor, or anyone directly or indirectly employed by any of them. The bidder's obligation under this provision shall not be limited in any way by the agreed upon contract price as shown in this Contract or the bidder's limit of, or lack of, sufficient insurance protection.
- **5. RISK OF LOSS:** The bidder assumes the following risks: **(1.)** all risks of loss or damage to all goods, work in process, materials and equipment until the delivery thereof as herein provided; **(2.)** all risks of loss or damage to third persons and their property until delivery of all goods as herein provided; **(3.)** all risks of loss or damage to any property received by the bidder or held by the bidder or its suppliers for the account of the School Board, until such property has been delivered to the School Board; **(4)** all risks of loss or damage to any of the goods or part thereof rejected by the School Board, from the time of shipment thereof to bidder until redelivery thereof to the School Board.
- **6. PUBLIC ENTITY CRIMES:** Pursuant to Section 287.133, F.S., a Bidder, person, or affiliate who has been placed on the convicted Vendors list following a conviction for a public entity crime may not submit a bid on a contract to provide any goods or services to a public entity for the construction or repair of a public building or public work, may not submit bids on leases of real property to a public entity, may not be awarded or perform work as a contractor, supplier, subcontractor, or consultant under a contract with any public entity, and may not transact business with any public entity in excess of the threshold amount provided in Florida State Statute, Section 287.017, for CATEGORY TWO for a period of 36 months from the date of being placed on the convicted vendor list.
- 7. AUDITS, RECORDS, AND RECORDS RETENTION: The School Board or its representative reserves the right to inspect and/or audit all the Bidder's documents and records as they pertain to the products and services delivered under this agreement. Such rights will be exercised with notice to the bidder to determine compliance with and performance of the terms, conditions and specifications on all matters, rights and duties, and obligations established by this agreement. Documents/records in any form shall be open to the School Board's representative and may include but are not limited to all correspondence, ordering, payment, inspection and receiving records, and contracts or sub-contracts that directly or indirectly pertain to the transactions between the School Board and the Bidder.
- A. To establish and maintain books, records, and documents (including electronic storage media) in accordance with generally accepted accounting procedures and practices, which sufficiently and properly reflect all revenues and expenditures of funds provided by the School Board under this contract.
- **B.** To retain all contractor records, financial records, supporting documents, statistical records, and any other documents (including electronic storage media) pertinent to this contract for a period of

- five (5) years after termination of the contract, or if an audit has been initiated and audit findings have not been resolved at the end of five (5) years, the records shall be retained until resolution of the audit findings or any litigation which may be based on the terms of this contract.
- C. Upon completion or termination of the contract and at the request of the School Board, the Contractor will cooperate with the School Board to facilitate the duplication and transfer of any said records or documents during the required retention period as specified in paragraph 1 above.
- D. To assure that these records shall be subject at all reasonable times to inspection, review, or audit by Federal, state, or other personnel duly authorized by the School Board.
- E. Persons duly authorized by the School Board and Federal auditors, pursuant to Title 45, Code of Federal Regulations, Part 92.36 (I) (10), and Title 34, Section 80.36(i), shall have full access to and the right to examine any of provider's contract and related records and documents, regardless of the form in which kept, at all reasonable times for as long as records are retained.
- **F.** To include these aforementioned audit and record keeping requirements in all approved subcontracts and assignments.

III. GOODS AND SERVICES

- **1. WARRANTY:** All goods and services furnished by the bidder, relating to and pursuant to this ITB will be warranted to meet or exceed the Specifications contained herein. In the event of breach, the bidder will take all necessary action, at bidder's expense, to correct such breach in the most expeditious manner possible.
- **2. PRICING:** All pricing submitted will include all packaging, handling, shipping charges and delivery to any point within Leon County, Florida to a secure area or inside delivery. **The School Board is exempt and does not pay Federal Excise and State of Florida sales taxes.**
- **3. PRICE ESCALATION:** In the event of unforeseen circumstances that directly impact the pricing and/or servicing of this contract, the School Board reserves the right to negotiate the established bid price with the contractor at any time during the duration of this contract after completion of the initial contract term. Price negotiations will be at the sole discretion of the School Board.

The School Board may consider pricing increases of the bid item(s) if the following conditions occur:

- **A.** There is a verifiable price increase of the bid item(s) to the contract supplier.
- **B.** The contractor submits to the School Board, in writing, notification of price increases.
- C. The price increase shall be comparable to documented manufacturers' or distributors' price changes or changes in industry related indices.
- D. The contractor shall submit the above information to the Director of Purchasing thirty (30) calendar days prior to the effective date of the price increase. Requests for price increases may only be made after the first term of the contract.

When the contractor complies with the abovementioned conditions, the Director of Purchasing will review the information to determine if it is in the best interest of the School Board to adjust the pricing on the products bid, in conjunction with the contractor's effective date of price increase. The School Board reserves the right to deny any requests for price increases. The contractor must receive written notification from the Director of Purchasing that the School Board is in acceptance of the new prices before processing any orders with the new costs.

4. QUANTITIES: Quantities listed in the bid are estimates provided for bidder information purposes only. No guarantee is given or implied as to the exact quantities, which will be purchased from this bid. The School

Board reserves the right to increase or decrease all estimated quantities during the term of this contract or to delete any item or items as it deems appropriate, without affecting the bid pricing or the terms and conditions of the bid.

- **5. MOST FAVORED CUSTOMER STATUS**: The awarded bidder shall afford the School Board the most favored customer status for all items herein. Accordingly, if during the term of this contract, the contractor offers more favorable promotional or contract pricing to another entity for the same specification with similar quantities and conditions, the price under this contract shall be immediately reduced to the lower price. Additionally, if a current state of Florida contract, or other viable piggyback contract contains more favorable pricing for the same specification with similar quantities and conditions, the contractor will be afforded an opportunity to adjust its contract price to match that of the state of Florida contract. Should the contractor decline, LCSB reserves the right to purchase the item(s) from the state of Florida or alternate piggyback contract.
- **6. TERMS OF PAYMENT / INVOICING:** The normal terms of payment will be Net 30 Days from receipt and acceptance of goods or services and contractor's invoice. Itemized invoices, each bearing the Purchase Order Number must be mailed on the day of shipment. Invoicing subject to cash discounts will be mailed on the day that they are dated.
- 7. PURCHASING CARDS: The School Board may choose to use a "Purchasing Card" for ordering of goods and materials or payment of invoices under this contract. The bidder, by submitting a proposal, agrees to accept this manner of payment and may not add additional handling charges or service fees to purchases made with the School Board's Purchasing Card(s). Refusal to accept this condition may cause the proposal to be declared non-responsive, or result in revocation of the contract, if already awarded. No third-party payment, i.e. Pay pal will be considered.
- **8. TRANSPORTATION AND TITLE:** (1) Title to the goods will pass to the School Board upon receipt and acceptance at the destination indicated herein. Until acceptance, the Bidder retains the sole insurable interest in the goods. (2) The shipper will prepay all transportation charges. The School Board will not accept collect freight charges. (3) No premium carriers will be used for the School Board's account without prior written consent of the Director of Purchasing.

IV. BIDDER REQUIREMENTS

- **1. E-VERIFY**: Every Contractor must register with and use the U.S. Department of Homeland Security's E-Verify system to verify the work authorization status of all employees hired during the term of this Agreement and must, upon request, provide evidence of compliance with this provision. Subcontractors shall provide Contractor with an affidavit stating the Subcontractor does not employ, contract with, or subcontract with an unauthorized alien. See Section 448.095, Florida Statutes, for all requirements.
- 2. LEVEL 2 SCREENING REQUIREMENTS: The following provisions, which implement the requirements of School Board Policy 8475, Florida Statute Sections 1012.315, 1012.32, 1012.465 (Jessica Lunsford Act), 1012.467 and 1012.468 are included as additional terms and conditions of the contract:

Finger Printing and Background Check:

The bidder/contractor agrees to comply with all requirements of School Board Policy 8475 and Sections 1012.315, 1012.32, 1012.465 (Jessica Lunsford Act), 1012.467 and 1012.468, F.S., by certifying that all employees have completed the mandatory background screenings as required by the referenced policy and statutes and shall provide the School Board with proof of compliance. These certifications will be provided to the Leon County School Board, Safety & Security Department in advance of the Bidder/Contractor providing any/all services as required herein. The Bidder/Contractor will bear the cost of acquiring

the background screening required and any/all fees imposed by the Florida Department of Law Enforcement and or the School Board to maintain the fingerprints provided with respect to Bidder/contractor and its employees. Contractor agrees to indemnify and hold harmless the School Board, its officers, agents and employees from any liability in the form of physical injury, death, or property damage resulting from the Contractor's failure to comply with the requirements of these cited policies and statutes. The Bidder/contractor will follow procedures for obtaining employees background screening as established by the Leon County School Board, Safety & Security Department.

Where: Leon County School Board –Safety & Security

Department

2757 W. Pensacola St. Tallahassee, Florida 32304

When: Monday - Friday

8:00 a.m. - 5:00 p.m.

Point of Contact: Donald Kimbler @ 850-487-7293

LCSB Policy 8475 is subject to review and change. As a provision of this Contract, if awarded, any changes made to this policy will automatically become a part of and be incorporated in this Contract. It is the responsibility of the awardee(s) to be aware of any changes that may occur.

- **3. RECIPROCITY OF FLORIDA SCHOOL I.D. BADGES:** If a Contractor's employee has a Level II clearance registered with another Florida School Board, they may be able to obtain a Leon County School Board vendor I.D. badge. The Contractor should check with the LCS Safety & Security Fingerprint Services office to verify clearance and obtain a vendor I.D. badge.
- **4. IDENTIFICATION:** All Contractor personnel, including subcontractor employees when applicable, shall display an identification badge at all times including the employee's name, the Contractor's name and either a physical description or a photograph of the employee. Employees without proper identification shall not be permitted to work under the terms of this Contract.
- **5. CONTACT WITH STUDENTS:** No employees or independent contractors, material men, suppliers or anyone involved in any manner with projects resulting from this proposal shall have direct or indirect contact with students at project sites. A violation of this provision shall result in immediate termination of the offender and issuance of a trespass notice from the School Board. Bidder/Proposer shall be responsible for insuring compliance by all employees, independent contractors and sub-contractors or other persons involved in any manner with projects resulting from this proposal.
- **6. WEAPONS AND FIREARMS:** The School Board prohibits any Contractor from possessing, storing, making, or using a weapon, including a concealed weapon, on School Board property and any setting that is under the control and supervision of the School Board as specified in School Board Policy 7217. Violations will be subject to the immediate termination of the Contract.
- **7. SMOKING AND TOBACCO PRODUCTS:** Smoking and the use of tobacco products are prohibited on school property, including all buildings and grounds. A fine of \$500.00 may be assessed for the first offense and termination of the Contract may be imposed for any second or additional offense.
- 8. ATTIRE: Proper attire shall be worn at all times.
 - A. Shirts shall be worn awhile on school property at all times. (No tank tops or undershirts will be permitted).
 - **B.** Clothing displaying nudity, obscene language, obscene symbols or pro-drug slogans is prohibited.
 - C. Proper shoes to insure the individual's safety shall be worn at all times.

- 9. INSPECTIONS AND TESTING: The School Board will have the right to inspect and test any of the goods or services covered by this ITB. All goods or services are subject to the School Board's inspection and approval upon arrival or completion. If rejected, goods will be held for disposal at the bidder's risk. Such inspection, or the waiver thereof, however, will not relieve the bidder from full responsibility for furnishing goods or services conforming to the requirements of this Bid or the Bid Specifications, and will not prejudice any claim, right, or privilege the School Board may have because of the use of defective or unsatisfactory goods or service. All deficiencies noted by the School Board will be submitted to the Contractor for correction within 10 calendar days after submission of deficiencies to the Contractor. An additional inspection of the goods or service may be conducted to insure corrective action was taken.
- 10. STOP WORK ORDER: The School Board may at any time, by written notice to the Bidder stop all or any part of the work for this Bid award. Upon receiving such notice, the Bidder will take all reasonable steps to minimize additional costs during the period of work stoppage. The School Board may subsequently either cancel the stop work order resulting in an equitable adjustment in the delivery schedule or the price, or terminate the work in accordance with the provisions of the Bid terms and conditions.
- **A.** Materials or work are not in conformance with applicable codes, standards, School Board specifications or accepted practices.
- B. The Contractor's activities result in damage to School board property.
- C. The Contractor's activities interfere with the normal operation of the facility.
- **D.** Contractor's personnel are not properly licensed to perform the work or as it pertains to school facilities, the Contractor's personnel have not received their Level II background clearances.
- E. Any other condition, situation, or circumstance, which in the opinion of the School Board Authorized Representative would be a detriment to the best interests of the School Board if allowed to persist.
- **11. SAFETY:** The Bidder shall be responsible for instructing their employees in all safety measures. All equipment used by the Bidder shall be free from defects or wear that may in any way constitute a hazard to any person or persons on School Board property. At no time shall equipment be operated without guards, shields, or other manufactures recommended safety accessories in place and functioning as intended by the manufacturer. All current OSHA safety standards shall be reinforced including, but not limited to, the following rules:
- A. All OSHA and Federal required safety equipment shall be installed and functioning on all equipment.
- **B.** All equipment shall be in sound working condition and must meet all OSHA Safety Standards. All workers shall be aware of and trained in the operation of all safety equipment required for this project.
- **C.** The Bidder shall ensure that employees are equipped with proper safety items such as glasses, hard hats, gloves, etc.
- D. All incidents on campus involving School Board property or personnel shall be reported to the Director of Maintenance Services Department and the Campus Administrator immediately upon occurrence.
- **E.** All debris shall be removed to an environmentally approved landfill or recycling center.
- **12. EMERGENCIES:** In any emergency affecting the safety of persons and property, the awarded contractor shall act immediately to prevent threatened damage, injury or loss. Any emergency must be reported to an authorized School Board representative immediately and no later than twenty-four (24) hours from the time that the emergency is discovered by the contractor

- 13. DAMAGE TO SCHOOL BOARD-OWNED PROPERTY: Any damage to property, equipment, grounds, buildings, etc. that is caused by the awarded Contractor will be reported to the School Board within 24 hours of discovery. The awarded Contractor will have 10 business days after report to present its written response to the claimed damages. The awarded Contractor, upon approval by an authorized School Board representative, may make repairs that are deemed within its capability. The School Board reserves the right to make immediate repairs to correct damages that are safety hazards or that pose a detrimental effect to the School Board's operations. Costs of any replacement or repairs made by the School Board for damages caused by the awarded contractor shall be deducted from any monies due to the Contractor. This shall not prevent the School Board from seeking damages should replacement/repair costs exceed the amount of monies owed to the awarded Contractor. When requested, Bidder shall cooperate with any ongoing School Board investigation involving personal injury, economic loss or damage to the School Board's facilities or personal property therein.
- **14. SUBCONTRACTING:** The awarded Contractor(s) shall be the primary service provider(s) and shall perform all requested inspections and repairs. Subcontracting for these base services is not allowed.
 - **A.** The School Board, for work where the Contractor(s) are requested to perform additional services, may allow subcontracting.
 - B. Any work or service to be performed by a subcontractor must have the prior approval of the School Board. The School Board reserves the right to reject any subcontractor. Rejection of any subcontractor shall not entitle the Contractor to an adjustment of Bid prices. The Contractor shall inform the School Board Authorized Representative prior to scheduling any subcontractor's visit to any School Board facility.
 - C. Failure by the Contractor to have a subcontractor approved by the School Board will not relieve the Contractor of the responsibility to meet, comply with, and fulfill all of the terms and conditions of this Contract.
 - D. The Contractor(s) shall be held fully responsible and liable for the supervision and performance of all work performed by subcontractors. The School Board shall not be responsible for resolution of disputes between the Bidder and any subcontractor.
 - E. The personnel of all subcontractors shall meet all of the requirements as stated herein to include, but not limited to LCSB Policy 2.021 and the Jessica Lunsford Act.

15. ON-CAMPUS DIRECTIVES

- A. Upon arrival and departure onto any School Board school campus, the Contractor's employees shall enter their company information into the School Log Book provided in the Administrative office of each campus.
- **B.** Contractor shall strictly limit its operations to the designated work areas and shall not permit any employees to enter any other portions of School Board property without School Board's expressed prior written consent.
- C. All employees shall enter and leave School Board facilities only through the ingress and egress points designated, from time to time, by The School Board.
- D. The Contractor shall be responsible for the removal of all trash and debris occasioned by this contract. Failure to adhere to this requirement will result in the costs of the performance of this work by others being charged to the contractor.
- E. Any existing surface or subsurface improvements, including, but not limited to, pavements, curbs, sidewalks, pipes, utilities, footings, structures, trees and shrubbery, not indicated in the Contract to be removed or altered, shall be protected by Contractor from damage during the prosecution of any project. Any such improvements so damaged shall be restored by

- Contractor to condition at least equal to that existing at the time of Contractor's commencement of any project.
- **F.** Proper safety barricades, protective, and covering devices shall be used to divert traffic and protect personnel. Normal safety signs, necessary lighting and temporary fencing/barricades around work areas shall be installed and maintained in accordance with OSHA requirements while the work is in progress. Materials must be secured in accordance with OSHA regulations when not in use.

16. BIDDER ACCESSIBLITY: The successful Bidder shall provide a liable and responsible representative to be accessible by a Leon County toll free local telephone call during regular business hours. Local off-hours answering service for emergencies shall be available for bidder notification twenty-four (24) hours a day, seven (7) days per week, all year, including holidays.

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V. INSTRUCTIONS TO BIDDERS AND SCOPE OF WORK:

- **A.** <u>INTENT:</u> The purpose of this ITB is to identify qualified vendors and establish a contract for Woodville PreK-8 School Heating, Ventilation, and Air Conditioning Replacement Project, as specified herein.
 - Interested firms must hold a Certificate of Prequalification from the Leon County School Board Construction & Facilities Department. Certificates will be valid for one year from the date of School Board approval and must be renewed annually. Instructions are available at: http://www.leonschools.net/Page/4815.
- **B.** <u>SCHEDULE:</u> The Contract resulting from this Bid shall be in effect on or about April 13, 2022 after Board approval with the work to begin upon Notice to Proceed and complete within fourteen days after the vendor receives the Heating, Ventilation, and Air Conditioning equipment.

C. MINIMUM QUALIFICATIONS:

- 1. The Bidder must provide proof of having been in business for three (3) years providing services of the same or similar nature and completed projects of like scope and size contemplated by this ITB.
- 2. Qualifications: Provide qualified tradesmen that are skilled services of the same or similar nature and completed projects of like scope and size contemplated by this ITB.
- D. <u>PRE-BID MEETING</u>: A Pre-Bid Conference and Site Visit will be held on Tuesday, March 15, 2022 at 8:30a.m., at Woodville PreK-8 School, 9373 Woodville Highway, Tallahassee, Florida 32305. Each Bidder shall have a maximum of two (2) representatives. They are to meet at the site in the front office and document attendance on the conference "sign-in" sheet. Attendees and District Representatives will inspect the site. Questions will be answered at that time. Proposals will be accepted and evaluated only from those Vendors that have signed in and are present at the walk-thru of both sites. Failure to attend will be cause for disqualification.
- E. PRICING: Provide a total base bid price

F. SCOPE OF WORK:

- 1. The Bidder's price shall include all goods and services necessary for the Woodville PreK-8 School Heating, Ventilation, and Air Conditioning Replacement Project.
- 2. The Bidder's work shall meet all requirements specified in Section V. and Exhibit K Construction Documents of this ITB.
- 3. The Contractor shall ensure frequent pick-up of all refuse, rubbish, scrap materials, and debris that results from their operations. All rubbish, scrap, etc. shall be removed from the premises. Upon completion of their work, the Contractor shall remove all work materials, tools, equipment, and surplus materials (including replaced hardware) from the work site and leave in ready-to-use condition. The District is not responsible for the loss of tools or supplies.
- **G. PROPERTY DAMAGE:** The Contractor will be responsible to repair or replace, to the District's satisfaction, any damage caused in pursuit of the work specified herein. Such repairs will be at the sole expense of the awarded Contractor.
- **H.** <u>BIDDER RESPONSIBILITIES:</u> Each Bidder is required to carefully examine the ITB delivery schedule, Bid prices and extensions, insurance requirements, licensing requirements, Bid opening date and time, and completely familiarize itself with all of the terms and conditions that are contained within the Invitation to Bid. Failure to do so on the part of the Bidder will in no way relieve it of any of the obligations and responsibilities which are a part of the ITB.
- I. <u>LABOR AND MATERIAL</u>: The Contractor shall include in their cost all labor, materials, equipment, tools, transportation and other facilities and services required for the proper execution and completion of the work as specified herein.

- **J. QUALITY:** All materials used must be new and equal to or exceed specifications. The manufacturer's standard guarantee shall apply.
- **K.** <u>CONTACT PERSON:</u> The successful Vendor shall be notified of the name and phone number of the District Contact person. Only the District Contact person may authorize changes to the scope of work.
- **L.** <u>PERMITS:</u> Contractor shall apply for and obtain any and all such permits and regulatory approvals as may be required by the Board or any other governmental or administrative agency, in order to legally complete the work required hereunder, and by signing and returning their Bid, Contractor acknowledges that the cost thereof has been included in the base price.
- M. <u>SAFETY:</u> Contractor and its employees must comply with the Board's safety policies. Contractor is responsible to adhere to all OSHA Job Safety Requirements include the use of all PPE (personal protective equipment) for staff.
- N. <u>PERFORMANCE AND PAYMENT BONDS:</u> The Performance and Payment Bonds shall be secured from any agency of a surety or insurance company who shall have an established place of business in the State of Florida and be duly licensed to conduct business there. It is to be furnished as prescribed in Section 255.05 and 1013.47, Florida Statutes. In the event the Contract is awarded to the Bidder, Bidder shall, within eight (8) Owner business days after the award by the Owner of the Contract, furnish the required Performance and Payment Bonds.

All questions pertaining to these general specifications should be submitted in writing to:

Debbie Bates, Facilities/Construction Analyst
3420 West Tharpe Street, Suite 100, Tallahassee, Florida, 32304
850-617-5977 / batesd@leonschools.net

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Bid Proposal Form Bid No. 5690-2023 Woodville PreK-8 School Heating, Ventilation, and Air Conditioning Replacement Project

Vendor Acknowledgment and Approval

I certify that this bid is made without prior understanding, agreement or connection with any corporation, firm, or person submitting a bid for the same materials, supplies or equipment, and in all respects fair and without collusion or fraud. The following information, including an authorized representative signature is required to be submitted with your bid in order to be considered for evaluation and award. The person signing below acknowledges and agrees with all proposed information as submitted and has the authorization of the said company to enter into a contractual agreement with the School Board of Leon County for the purposes as proposed and as described herein. Please print and sign below where required.

Authorized Representative's Name/Title	Authorized Representative's Signatu	Authorized Representative's Signature Date		
Company's Name	Telephone Number		FAX Number	
Address	City	State	e Zip Code	
Area Representative	Telephone Number		FAX Number	
DESCRIPTION		TOTAL BASE	BID	
Purchase and Installation of Woodville PreK-8 Air Conditioning Replacement Project	School Heating, Ventilation, and	\$		
ADDENDA ACKNOWLEDGMENT: The undersigne	d also acknowledges the receipt of the	following Adde	nda:	
ADDENDUM NO DATED	ADDENDUM NO	DATED		
ADDENDUM NO DATED	ADDENDUM NO	DATED		



EXHIBIT A CONFLICT OF INTEREST CERTIFICATE

Bidder **must** execute either Section I or Section II hereunder relative to Florida Statute 112.313(12). Failure to execute either section may result in rejection of this bid proposal.

either section may result in rejection of this	biu proposai.	
	SECTION I	
I hereby certify that no official or employee specifications has a material financial intere		goods or services described in these
Signature		Company Name
Name of Official (Type or print)		Business Address
	SECTION II	City, State, Zip Code
I hereby certify that the following named Le interest(s) (in excess of 5 %) in this compar 315 South Calhoun Street, Tallahassee, Leor	eon County School Board official(s) ny have filed Conflict of Interest Sta	
Name	Title or Position	Date of Filing
Cimaton		Garage Maria
Signature		Company Name

Name of Official (Type or print)

Business Address

City, State, Zip Code



EXHIBIT BAPPLICATION FOR VENDOR STATUS

(IRS W-9 Facsimile & ACH Direct Payment)

2757 West Pensacola Street – Tallahassee, FL 32304-2998 FAX TO: (850) 487-7869 or EMAIL TO: MathisR@leonschools.net

COMPANY NAME:			-		□ ivew	Vendor Updat
CONTACT PERSON:			LCSI	B Employee:	☐ YES	\square NO
PHONE NUMBER:		FAX NU	JMBER:			
CORRESPONDENCE A	DDRESS:					
CITY:		STATE:	z	ZIP + 4:		
		TANCE INFORMAT different from above)	ΓΙΟΝ			
CONTACT PERSON:						
REMITTANCE ADDRES	SS:					
CITY:		STATE:	Z	ZIP + 4:		
EMAIL ADDRESS:		WEBSITI	:			
	PLEASE CH	ECK THE APPROPRIA	те вох:			
PLEASE CHECK THE APPROPRIATE BOX:	☐ Individual/ Sole Proprietor☐ Other	•		-		
		or				
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EXHIBIT B

APPLICATION FOR VENDOR STATUS

(IRS W-9 Facsimile & ACH Direct Payment)

Form W-9

Request for Taxpayer Identification Number and Certification

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

	ment of the Treasury I Revenue Service	Identification Number and Certifi	Cation	send to the IRS.	
	1 Name (as shown	on your income tax return). Name is required on this line; do not leave this line blank.			
9	2 Business name/o	lisrogarded entity name, if different from above			
hint or type Instructions on page	Individual/sole	LIIC	Trust/estate in	Examptions (codes apply only to artain entities, not individuals; see structions on page 3); xempt payee code (if any)	
Print or type Instruction	Limited liability company. Enter the tax classification (C=C corporation, P=partnership) Note. For a single-member LLC that is disregarded, do not check LLC; check the appropriate box in the line above for the tax classification of the single-member owner. Example 1 Example 1 Example 1 Example 2 Example 3 Example 4 Example 6 Example 6 Example 6 Example 6 Example 6 Example 7 Example 8 Example 8				
Œ 5	Other (see Inst	,		pplies to accounts maintained outside the (U.S.)	
Specific		, street, and apt. or suite no.)	Requester's name and	address (optional)	
8	6 City, state, and 2	IP code			
	7 List account num	iber(s) here (optional)			
Par	til Taxpa	yer Identification Number (TIN)			
		propriate box. The TIN provided must match the name given on line 1 to av		ity number	
reside entitie	ent allen, sole prop es, it is your emplo	Individuals, this is generally your social security number (SSN). However, for fletor, or disregarded entity, see the Part I instructions on page 3. For other yer identification number (EIN). If you do not have a number, see <i>How to ge</i>	.		
	n page 3.			entification number	
gulde	lines on whose nur		4 for Employer is		
Par	t II Certific	cation			
Unde	r penalties of perju	ry, I certify that:			
1. Th	e number shown o	n this form is my correct taxpayer identification number (or I am waiting for	a number to be Issu	ed to me); and	

- I am not subject to backup withholding because: (a) I am exempt from backup withholding, or (b) I have not been notified by the internal Revenue Service (IRS) that I am subject to backup withholding as a result of a failure to report all interest or dividends, or (c) the IRS has notified me that I am no longer subject to backup withholding; and
- 3. I am a U.S. citizen or other U.S. person (defined below); and
- The FATCA code(s) entered on this form (if any) indicating that I am exempt from FATCA reporting is correct.

Certification instructions. You must cross out item 2 above if you have been notified by the IRS that you are currently subject to backup withholding because you have falled to report all interest and dividends on your tax return. For real estate transactions, item 2 does not apply. For mortgage interest paid, acquisition or abandonment of secured property, cancellation of debt, contributions to an individual retirement arrangement (IRA), and generally, payments other than interest and dividends, you are not required to sign the certification, but you must provide your correct TIN. See the instructions on page 3.

Sign

Signature of U.S. person >

Date ►

General Instructions

Section references are to the Internal Revenue Code unless otherwise noted.

Future developments. Information about developments affecting Form W-9 (such as legislation enacted after we release it) is at www.irs.gov/fw9.

Purpose of Form

An individual or entity (Form W-9 requester) who is required to file an information return with the IRS must obtain your correct taxpayer identification number (TIN) which may be your social security number (SSN), individual taxpayer identification number (TIN), adoption taxpayer identification number (ATIN), or employer identification number (ATIN), or employer identification number (EIN), to report on an information return the amount paid to you, or other amount reportable on an information return. Examples of information returns include, but are not limited to, the following:

- . Form 1099-INT (Interest earned or paid)
- . Form 1099-DIV (dividends, including those from stocks or mutual funds)
- Form 1009-MISC (various types of income, prizes, awards, or gross proceeds)
- Form 1099-B (stock or mutual fund sales and certain other transactions by brokers)
- Form 1009-S (proceeds from real estate transactions)
- Form 1000-K (merchant card and third party network transactions)

- Form 1098 (home mortgage interest), 1098-E (student loan interest), 1098-T (futtion)
- . Form 1099-C (canceled debt)
- Form 1099-A (acquisition or abandonment of secured property)

Use Form W-9 only if you are a U.S. person (including a resident aller), to provide your correct TIN.

If you do not return Form W-9 to the requester with a TIN, you might be subject to backup withholding. See What is backup withholding? on page 2.

By signing the filled-out form, you:

- Cortify that the TIN you are giving is correct (or you are waiting for a number to be issued),
 - 2. Certify that you are not subject to backup withholding, or
- 3. Ctaim exemption from backup withholding if you are a U.S. exempt payee, if applicable, you are also certifying that as a U.S. person, your allocable share of any partnership income from a U.S. trade or business is not subject to the withholding tax on foreign partners' share of effectively connected income, and
- Certify that FATCA code(s) entered on this form (if any) indicating that you are exampt from the FATCA reporting, is correct. See What is FATCA reporting? on page 2 for further information.

Form **W-9** (Rev. 12-2014)



EXHIBIT BAPPLICATION FOR VENDOR STATUS

(IRS W-9 Facsimile & ACH Direct Payment)

Leon County Schools Authorization for ACH Direct Payment

Finance Department 2757 West Pensacola Street, Tallahassee, Florida 32304

Payee/Vendor Name:
Address:
City, State Zip:
Telephone:
Contact Name:
Contact E-mail:
Complete this section for new enrollments or for financial institution or account changes.
Select One:
Bank Name
Branch (if applicable)
City, State, Zip
Transit/Routing Number
Bank Account Number
Account Type (check one) Checking OR Savings OR Personal OR Business
I, the undersigned, authorize Leon County Schools to deposit payments directly to the account indicated above and to correct any errors which may occur from the transactions. I also authorize the financial institution named above to post these transactions to that account. This authorization will remain in force until Leon County Schools receives written notice of cancellation from me. I acknowledge that the origination of ACH transactions to my account must comply with the provisions of U.S. law.
Signature Date
Name (printed) Title
Complete this section to CANCEL your ACH electronic deposit authorization. I, the undersigned, hereby cancel the authorization for the Leon County Schools Finance to originate ACH electronic deposit entries into my checking/savings account. This cancellation is effective as soon as Leon County Schools Finance has reasonable time to act upon it.
Signature Date
Name (printed) Title
Mail the completed form to the address above or email to marschkak@leonschools.net For LCS use only Vendor Name Date Received



EXHIBIT C E-Verify Affidavit

A. As of January 1, 2021, pursuant to Section 448.095, Florida Statutes, Contractor shall register with and use the U.S. Department of Homeland Security's E-Verify system to verify the work authorization status of all employees hired during the term of this Agreement and must, upon request, provide evidence of compliance with this provision.

B. Subcontractors:

- 1. As of January 1, 2021, Contractor shall also require all subcontractors performing work under this Agreement to use the E-Verify system for any employees they may hire during the term of this Agreement.
- 2. Subcontractors shall provide Contractor with an affidavit stating the subcontractor does not employ, contract with, or subcontract with an unauthorized alien, as stated in Section 448.095, Florida Statutes.
- 3. Contractor shall provide a copy of such affidavit to the School Board upon receipt and shall maintain a copy for the duration of the Agreement.
- **C.** Failure to comply with this provision is a material breach of the Agreement, and School Board may choose to terminate the Agreement at its sole discretion. Contractor may be liable for all costs associated with School Board securing the same services, inclusive, but not limited to, higher costs for the same services.
- D. It is the responsibility of the vendor/contractor to insure compliance with E-verify requirements (as applicable). To enroll in E-Verify, employers should visit the E-Verify website (http://www.uscis.gov/e-verify) and follow the instructions. The employer must retain the I-9 Forms for inspection. By affixing your signature below you hereby affirm that you will comply with E-Verify requirements.

Federal Employer Identification Number (FEIN):		
Name:	Address:	
Signature of Affiant	Printed Name	Date
State of:	County of:	
The foregoing instrument was acknowledged before me	e, by means of \square physical presence or \square online	notarization, this
day of 2	0by	
who is personally known to me \square or has produced ide	entification \square . Type of identification produced:	
Notary Signature	Commission Expires	SEAL
Notary Printed Name		



EXHIBIT D VENDOR QUESTIONNAIRE

Bid No. 5690-2023 Woodville PreK-8 School Heating, Ventilation, and Air Conditioning Replacement Project

Please provide written responses to the following questions. If the answer to any of the questions is 'Yes', Vendor shall describe fully the circumstances, reasons therefore, the current status, and ultimate disposition of each matter that is the subject of this inquiry.

1. Has Vendor been declared in default of any contract?
☐ Yes ☐ No
2. Has Vendor forfeited any payment of performance bond issued by a surety company on any contract?
□ Yes □ No
3. Has an uncompleted contract been assigned by Vendor's surety company on any payment of performance bond issued to Vendor arising from its failure to fully discharge all contractual obligations there under?
□ Yes □ No
4. Within the past three years, has Vendor filed for reorganization, protection from creditors, or dissolution under the bankruptcy statutes?
□ Yes □ No
5. Is Vendor now the subject of any litigation in which an adverse decision might result in a material change in the firm's financial position or future viability?
□ Yes □ No
6. Is Vendor currently involved in any state of a fact-finding, negotiations, or resistance to a merger, friendly acquisition, or hostile take-over, either as a target or as a pursuer?
□ Yes □ No
7. Within the next year, does Vendor plan any personnel reductions? If so, explain by attachment.
□ Yes □ No
8. Within the next year, does Vendor plan any divestments? If so, explain by attachment.
□ Yes □ No



EXHIBIT E DRUG FREE WORKPLACE

Preference shall be given to vendors submitting a certification with their bid/proposal certifying they have a drug-free workplace in accordance with Section 287.087, Florida Statutes. Whenever two or more bids that 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, a bid received from a business that certifies that it has implemented a drug-free workplace program shall be given preference in the award process. Established procedures for processing tie bids will be followed if none of the tied vendors have a drug-free workplace program. In order to have a drug-free workplace program, a business shall:

IDENTICAL TIE BIDS – Preference shall be given to businesses with drug-free workplace programs. Whenever two or more bids, which are equal with respect to price, quality, and service, are received by the State or any political subdivision for the procurement of commodities or contractual services, a bid received from a business that certifies that it has implemented a drug-free workplace program shall be given preference in the award process. Established procedure for processing tie bids shall be followed if none of the tied vendors 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 violations of such prohibition.
- 2) Inform employees about the dangers of drug abuse in the workplace, the business's policy of maintaining a drugfree workplace, any available drug counseling, rehabilitation, and employee assistance programs, and the penalties that may be imposed upon employees for drug abuse violations.
- 3) Give each employee engaged in providing the commodities or contractual services that are under bid a copy of the statement specified in subsection (1).
- 4) In the statement specified in subsection (1), notify the employees that, as a condition of working on the commodities or contractual services that are under bid, the employee s 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 occur ring 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.

VENDOR'S SIGNATURE:			

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



EXHIBIT F

CERTIFICATION REGARDING DEBARMENT, SUSPENSION, INELIGIBILITY AND VOLUNTARY EXCLUSION -LOWER TIER COVERED TRANSACTIONS

(BEFORE COMPLETING CERTIFICATION, READ INSTRUCTIONS ON THE FOLLOWING PAGE)

- 1. The prospective lower tier participant certifies, by submission of this proposal, that neither it nor its principals is presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participation in this transaction by any Federal department or agency.
- 2. Where the prospective lower tier participant is unable to certify to any of the statements in this certification, such prospective participant shall attach an explanation to this proposal.

Organization Name	PR/Award Number or Project Name
Name(s) of Authorized Representative(s)	Title(s) of Authorized Representative(s)
Signature(s)	Date

Form AD-1048 (1/92)

INSTRUCTIONS FOR CERTIFICATION OF DEBARMENT

- 1. By signing and submitting this form, the prospective lower tier participant is providing the certification set out on the reverse side in accordance with these instructions.
- 2. The certification in this clause is a material representation of fact upon which reliance was placed when this transaction was entered into. If it is later determined that the prospective lower tier participant knowingly rendered an erroneous certification, in addition to other remedies available to the Federal Government, the department or agency with which this transaction originated may pursue available remedies, including suspension and/or debarment.
- **3.** The prospective lower tier participant shall provide immediate written notice to the person to whom this proposal is submitted if at any time the prospective lower tier participant learns that its certification was erroneous when submitted or has become erroneous by reason of changed circumstances.
- **4.** The terms "covered transaction," "debarred," "suspended," "ineligible," "lower tier covered transaction," "participant," "person," "primary covered transaction," "principal," "proposal," and "voluntarily excluded," as used in this clause, have the meanings set out in the Definitions and Coverage sections of rules implementing Executive Order 12549. You may contact the person to which this proposal is submitted for assistance in obtaining a copy of those regulations.
- 5. The prospective lower tier participant agrees by submitting this form that, should the proposed covered transaction be entered into, it shall not knowingly enter into any lower tier covered transaction with a person who is debarred, suspended, declared ineligible, or voluntarily excluded from participation in this covered transaction, unless authorized by the department or agency with which this transaction originated.
- **6.** The prospective lower tier participant further agrees by submitting this form that it will include this clause titled "Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion -Lower Tier Covered Transactions," without modification, in all lower tier covered transactions and in all solicitations for lower tier covered transactions.
- 7. A participant in a covered transaction may rely upon a certification of a prospective participant in a lower tier covered transaction that it is not debarred, suspended, ineligible, or voluntarily excluded from the covered transaction, unless it knows that the certification is erroneous. A participant may decide the method and frequency by which it determines the eligibility of its principals. Each participant may, but is not required to, check the Non-procurement List.
- 8. Nothing contained in the foregoing shall be construed to require establishment of a system of records in order to render in good faith the certification required by this clause. The knowledge and information of a participant is not required to exceed that which is normally possessed by a prudent person in the ordinary course of business dealings.
- 9. Except for transactions authorized under paragraph 5 of these instructions, if a participant in a covered transaction knowingly enters into a lower tier covered transaction with a person who is suspended, debarred, ineligible, or voluntarily excluded from participation in this transaction, in addition to other remedies available to the Federal Government, the department or agency with which this transaction originated may pursue available remedies, including suspension and/or debarment.

Form AD-IO48 (1/92) U. S. GPO: 1996-757-776/201 07



8.

EXHIBIT G

SWORN STATEMENT – NEW CONTRACTS SWORN STATEMENT PURSUANT TO SECTION 1012.465, FLORIDA STATUTES AS AMENDED BY HB 1877, THE JESSICA LUNSFORD ACT

THIS FORM MUST BE SIGNED AND SWORN TO IN THE PRESENCE OF A NOTARY PUBLIC OR OTHER OFFICIAL AUTHORIZED TO ADMINISTER OATHS.

•	name and title)
·	
	ity submitting sworn statement)
ose business address is	
d its Federal Employer Identification Number (FEIN)	If the entity has no FEIN, include the Social Security Number (SSN) of the individual signing this sworn statement and so indicate.
	am duly authorized to make this sworn statement
(Print individual's name and title)	
behalf of:	
(Print name of	entity submitting sworn statement)
	House Bill 1877, The Jessica Lunsford Act (hereinafter "The Act" on May 2, 2005, with an effective date of September 1, 2005.
all non-instructional school district employees or "trict employees or contractual personnel who are p	cening requirements of section 1012.465, Florida Statutes (2004) (contractual personnel" by requiring all non-instructional school ermitted access on school grounds when students are present to further I understand the Act defines "contractual personnel" to t with the Board.
all non-instructional school district employees or "trict employees or contractual personnel who are public dergo and pass "level 2 background screening," and clude any vendor, individual, or entity under contractual personnel who are permitted apployees or contractual personnel who are permitted.	contractual personnel" by requiring all non-instructional school ermitted access on school grounds when students are present to further I understand the Act defines "contractual personnel" to t with the Board. Statutes as amended by the Act, non-instructional school district daccess on school grounds when students are present, who have control of school funds must meet level 2 screening requirements
rall non-instructional school district employees or "trict employees or contractual personnel who are public dergo and pass "level 2 background screening," and clude any vendor, individual, or entity under contract and that pursuant to section 1012.465, Floridate appropriate or contractual personnel who are permitted ect contact with students or who have access to or contract with students or who have access to or contract with students or who have access to or contract with students or who have access to or contract with students or who have access to or contract with students or who have access to or contract with students or who have access to or contract with students or who have access to or contract with students or who have access to or contract.	"contractual personnel" by requiring all non-instructional school ermitted access on school grounds when students are present to further I understand the Act defines "contractual personnel" to t with the Board. Statutes as amended by the Act, non-instructional school district daccess on school grounds when students are present, who have control of school funds must meet level 2 screening requirements

that fingerprints of all contractual personnel must be obtained and submitted to the Florida Department of Law

I understand that the School Board has implemented Board Policy 2.021 to comply with level 2 screening requirements, as defined in sections 1012.32 and 435.04, Florida Statutes. I understand that my company must comply with these local

Enforcement for state processing and to the Federal Bureau of Investigation for federal processing.

procedures as they are developed or amended from time to time.

- 9. I understand that any costs and fees associated with the required background screening will be borne by my company.
- 10. I understand that any personnel of the contractor found through fingerprint processing and subsequent level 2 background screening to have been found guilty of, regardless of adjudication, or entered a plea of nolo contendere or guilty to any offense outlined in Section 435.04, Florida Statutes (or any similar statute of another jurisdiction), shall not be permitted to come onto school grounds or any leased premises where school-sponsored activities are taking place when students are present, shall not be permitted direct contact with students, and shall not be permitted to have access to school district funds.
- 11. I understand that the failure of any of the company's or my affected personnel to meet level 2 screening standards as required by section 1012.465, Florida Statutes, may disqualify my company from doing business with the School Board.
- 12. I hereby certify that the foregoing statement is true and correct in relation to the company for which I am submitting this sworn statement. I further certify that this statement is being given knowingly and voluntarily by me on behalf of my company.

The company submitting this sworn statement agrees to be bound by the provisions of SECTIONS 1012.32, 1012.465, AND 435.04 OF THE FLORIDA STATUTES AS AMENDED BY HB 1877, THE JESSICA LUNSFORD ACT 2005.

I CERTIFY THAT THE SUBMISSION OF THIS FORM TO THE SCHOOL BOARD OF LEON COUNTY, FLORIDA ON BEHALF OF THE COMPANY IDENTIFIED IN PARAGRAPH ONE (1) ABOVE BINDS THE COMPANY TO FULLY COMPLY WITH THE BACKGROUND SCREENING REQUIREMENTS OF SECTIONS 1012.32, AND 435.04, FLORIDA STATUTES.

		(Signature)
State of:		County of:
The foregoing instrument was acknowledge	ed before me, k 20	by means of \square physical presence or \square online notarization, this
		tification \square . Type of identification produced:
Notary Signature		Commission Expires
Notary Printed Name		



EXHIBIT H AFFIDAVIT FOR CLAIMING LOCAL PURCHASING PREFERENCE

Bid No. 5690-2023 Woodville PreK-8 School Heating, Ventilation, and Air Conditioning Replacement Project

Proposer/Bidder/Quoter/Supplier affirms that it is a local or adjacent county business as defined by Policy #6450 of Leon County Schools and the regulations thereto.

A Leon/adjacent county vendor is a private independent vendor that has been licensed for at least six (6) months preceding the bid or proposal opening, as required by local, State, and Federal law to provide the goods, services, or construction to be purchased. The vendor must have a physical business address, staffed by at least one (1) person, in the geographical boundaries of Leon County or in the adjacent counties of Gadsden, Jefferson, or Wakulla, Florida. The vendor, on a day-to-day basis, should provide to the School Board the needed goods and/or services substantially from the local business address. Post Office boxes are not verifiable and shall not be used for the purpose of establishing said physical address.

Please complete the following in support of the self-certification:

ldress:		
Phone	Fax	Email
unty:	Length of time at this location:	# of employees at this location
your business certified as a sn	nall business through Leon County Schools?	
your business certified as a sir		
Sig	gnature of Authorized Representative	Date
State of:		County of:
	as acknowledged before me, by means of phys	
The foregoing instrument wa	as acknowledged before me, by means of phys	
The foregoing instrument wa	as acknowledged before me, by means of phys	sical presence or online notarization, this
The foregoing instrument wa	as acknowledged before me, by means of phys	sical presence or Online notarization, this
The foregoing instrument wa	as acknowledged before me, by means of D phys	sical presence or Online notarization, this
The foregoing instrument wa day of who is personally known to r	as acknowledged before me, by means of phys 20 by me or has produced identification . Type of	sical presence or Online notarization, this

Notary Printed Name



EXHIBIT I INDEMNIFICATION AND INSURANCE

In consideration of this Contract, if awarded, the Vendor agrees without reservation to the indemnification and insurance clauses contained herein. These clauses are attached to and form a part of **Bid No. 5690-2023 Woodville PreK-8 School Heating, Ventilation, and Air Conditioning Replacement Project.**

Each party agrees to be fully responsible for its acts of negligence or its agents' acts of negligence when acting within the scope of their employment and agrees to be liable for any damages resulting from said negligence to the extent allowable pursuant to **Section 768.28**, **Florida Statutes**. Nothing herein is intended to serve as a waiver of sovereign immunity by the School Board. Nothing herein shall be construed as consent by the School Board to be sued by third parties in any matter arising out of any contract. Bidder shall hold harmless and defend the School Board and its agents and employees from all suits and actions, including attorney's fees and all costs of litigation and judgments of any name and description arising out of or incidental to the performance of this contract or work performed there under. This provision shall also pertain to any claims brought against the School Board by an employee of the named Bidder, any Subcontractor, or anyone directly or indirectly employed by any of them. The bidder's obligation under this provision shall not be limited in any way by the agreed upon contract price as shown in this Contract or the bidder's limit of, or lack of, sufficient insurance protection.

INSURANCE

Prior to being recommended for award, the Vendor has five business days after notification to submit proof of insurance as required herein. Failure to submit a fully completed certificate of insurance signed by an authorized representative of the insurer providing such insurance coverage's may cause the Vendor to be considered non-responsive and not eligible for award of the Contract. The insurance coverage's and limits shall meet, at a minimum, the following requirements:

- 1. Commercial General Liability Insurance in an amount not less than \$1,000,000 combined single limit per occurrence for bodily injury and property damage.
- 2. Automobile Liability Insurance covering all owned, non-owned and hired vehicles used in connection with the operation of the Vendor, in an amount not less than \$1,000,000 combined single limit per occurrence for bodily injury and property damage.
- 3. Workers' Compensation Insurance for all employees of the Vendor as required by Florida Statutes.
- 4. The School Board of Leon County, Florida" must be listed as additional insured on all liability coverage's except Workers' Compensation.

The insurance coverage required shall include those classifications, as listed in standard liability insurance manuals, which most nearly reflect the operations of the Vendor. All insurance policies shall be issued by companies with either of the following qualifications:

- **1.** The company must be:
 - a. authorized by subsisting certificates of authority by the Department of Insurance of the State of Florida or
 - b. an eligible surplus lines insurer under Florida Statutes. In addition, the insurer must have a Best's Rating of "A" or better and a Financial Size Category of "IV" or better according to the latest edition of Best's Key Rating Guide, published by A.M. Best Company. Or,
- **2.** With respect only to the Workers' Compensation insurance, the company must be:
 - a. authorized as a group self-insurer pursuant to Florida Statutes or
 - b. authorized as a commercial self-insurance fund pursuant to Florida Statutes

Neither approval nor failure to disapprove the insurance furnished by the Vendor to the School Board shall relieve the Vendor of the Vendor's full responsibility to provide insurance as required by this Contract.

The Vendor shall be responsible for assuring that the insurance remains in force for the duration of the contractual period; including any and all option years that may be granted to the Vendor. The certificate of insurance shall contain the provision that the School Board be given no less than thirty (30) days written notice of cancellation. If the insurance is scheduled to expire during the contractual period, the Vendor shall be responsible for submitting new or renewed certificates of insurance to the School Board at a minimum of thirty (30) calendar days in advance of such expiration. Unless otherwise notified, the certificate of insurance *must be delivered to* the following address: Leon County School Board Purchasing Department / Attn: June Kail, Director of Purchasing /3397 W. Tharpe St. / Tallahassee, Florida 32303

The name and address of the Leon County School Board, as shown directly below, must be listed as Certificate Holder on the Certificate of Insurance as well as clearly noted as "Additional Insured".

Leon County School Board 2757 W. Pensacola St. Tallahassee, FL 32304

The Vendor may be in default of this Contract for failure to maintain the insurance as required by this Contract.

Any questions and/or inquiries should be directed to Tod Stupski at (850) 561-8359.

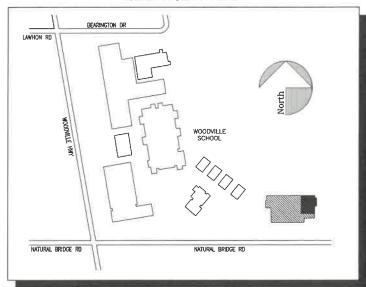


EXHIBIT J MANDATORY RESPONSIVENESS CHECKLIST

Dispute Contact Information
Bid Proposal
Name on Pre-Bid Conference Sign-In Sheet
Documentation of Business Experience
• The Bidder must provide proof of having been in business for three (3) years providing services of the same or similar nature and completed projects of like scope and size contemplated by this ITB.
Qualifications:
• Provide qualified tradesmen that are skilled services of the same or similar nature and completed projects of like scope and size contemplated by this ITB.

REPLACEMENT OF KITCHEN/DINING HVAC UNITS WOODVILLE ELEMENTARY SCHOOL LEON COUNTY SCHOOLS

LOCATION MAP



SIGNATURE SIGN-OFF

NAME	SIGNATURE
Danny Allbritton, Director of Facilities & Construction	
Martha Chauncey, Capital Outlay Specialist	
Director of Schools	
Christie Meresse, of Nutrition Services	
John Hunkiar, Director of Safety & Security	
Rod McQueen, Building Official	
Principal of School	
Project Coordinator	
Alvin (Butch) Watkins, Director of Maintenance	
Tallahassee Fire Department	



SUPERINTENDENT **ROCKY HANNA**

BOARD MEMBERS ALVA STRIPLIN - DISTRICT 1 (VICE-CHAIR) **ROSANNE WOOD - DISTRICT 2** DARRYL JONES - DISTRICT 3 (CHAIR) DEEDEE RASMUSSEN - DISTRICT 4 GEORGIA "JOY" BOWEN - DISTRICT 5

MECHANICAL AND ELECTRICAL **ENGINEERS**



4083 South U.S. Highway 1, Ste. 101 Rockledge, Florida 32955 Phone 321.633.4522 Fax 321.633.4528

DRAWINGS INDEX:

SHT NO	TITLE
G-1	COVER SHEET
M-1	MECHANICAL LEGEND, NOTES AND SPECIFICATIONS
M-2	MECHANICAL DEMOLITION PLAN
M-3	MECHANICAL PLAN
M-4	MECHANICAL DETAILS AND SCHEDULES
M-5	MECHANICAL CONTROLS
MS-1	MECHANICAL SPECIFICATIONS
E-1	ELECTRICAL LEGEND, NOTES AND SPECIFICATIONS
E-2	ELECTRICAL PLANS

STATEMENT OF COMPLIANCE

ALL WORK SHALL BE IN COMPLIANCE WITH THE FOLLOWING CODES, BUT NOT LIMITED TO: THE EDITION OF THE 2020 FLORIDA BUILDING CODE - BUILDING (FBCEB)
THE EDITION OF THE 2020 FLORIDA BUILDING CODE - EXISTING BUILDING (FBCEB)
THE EDITION OF THE 2020 FLORIDA BUILDING CODE - EXISTING BUILDING (FBCEB)
THE EDITION OF THE 2020 FLORIDA BUILDING CODE - EXPRESY CONSERVATION (FBCEC)
THE EDITION OF THE 2020 FLORIDA BUILDING CODE - MECHANICAL (FBCM) 7TH EDITION OF THE 2020 FLORIDA BUILDING CODE — PLUMBING (FBCP)
7TH EDITION OF THE 2020 FLORIDA BUILDING CODE — FUEL GAS (FBCFG)
7TH EDITION OF THE 2020 FLORIDA FIRE PREVENTION CODE (FFPC) NFPA 70 - 2017 NATIONAL ELECTRICAL CODE (NEC) 2014 STATE REQUIREMENTS FOR EDUCATIONAL FACILITIES (SREF) LEON COUNTY SCHOOLS DESIGN STANDARDS

JESSICA LUNSFORD REQUIREMENT

If Vendor will have any employees on any school site on school days when students may be present then Vendor will comply with all requirements of Fla. Stat. 1012.32 and 1012.465 by completing the fingerprint screening required of Vendor and all of its employees who provide services under this contract. Vendor shall contact the District's Personnel Department to schedule an aprilement for the ening. The fingerprint screening must be completed in advance of the Vendor providing any services. Vendor will bear the cost of screeting. In ingerprint screening must be completed in advance or version problem gary favores, versior will be acquiring the background screening required by Fia. Stat. 1012.33, and any fee imposed by the Fibrida Department Des Enforcem to maintain the fingerprints provided with respect to Vendor and its employees. Vendor will provide District a light of its employees. Vendor will provide District a light of its employees. Vendor will provide District a light of its employees. Vendor will provide District a light of its employees.



4083 South U.S. Highway 1, Ste. 101 Rockledge, Florida 32955 Phone 321.633.4522 Fax 321.633.4528 www.ddc-engineers.com
dasilva.david@ddc-engineers.com
C.O.A.: 25988
DDC PROJECT NO.: 220



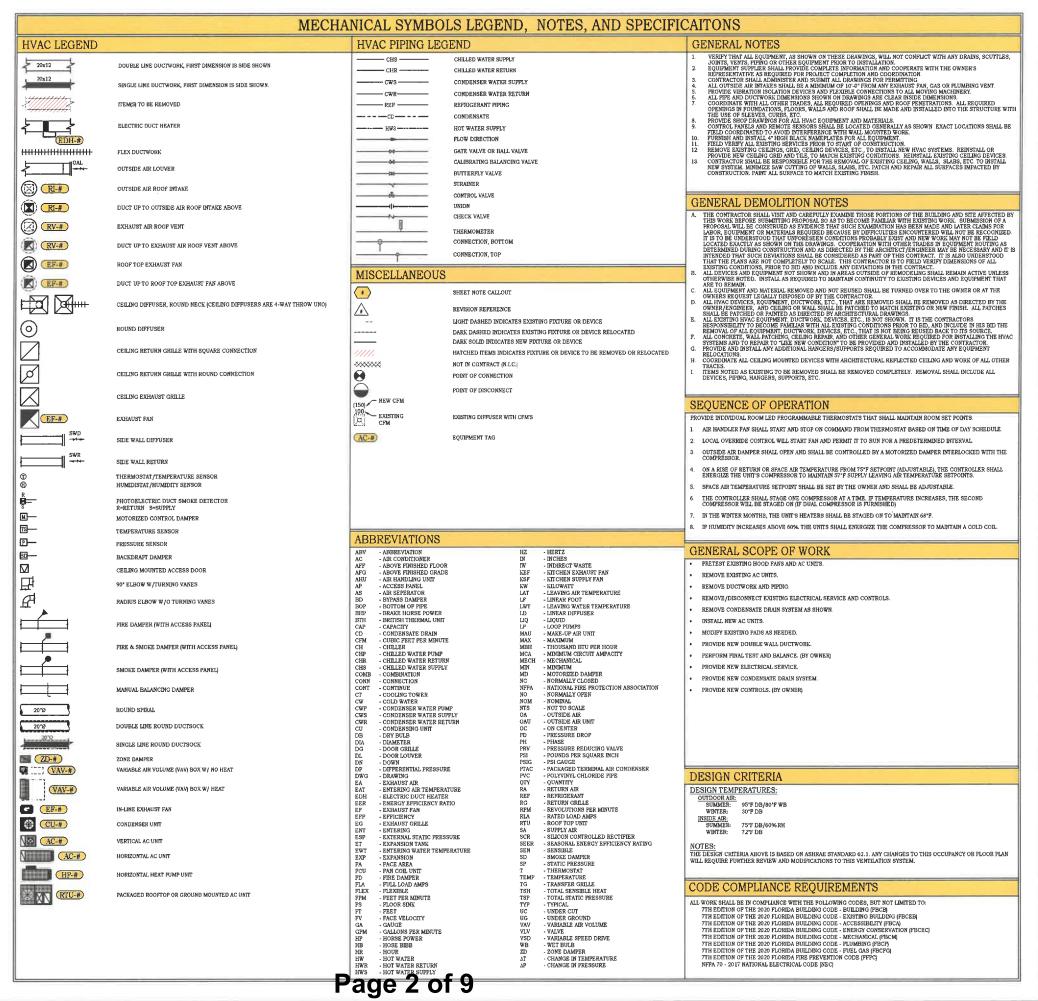
FEBRUARY 18, 2022 REVIEW SET PERMIT SET BID SET CONSTRUCTION SET AS BUILT

KITCHEN/DINING HVAC UNITS AT WOODVILLE ELEMENTARY SCHOOL TALLAHASSEE, FL 32305

G-1

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engineering

4083 South U.S. Highway 1, Ste. 101 Rockledge, Florida 32955 Phone 321.633.4522 Fax 321.633.4528 dc-engineers.com .david@ddc-engineers.com

C.O.A.: 25988 DDC PROJECT NO.:



FEBRUARY 18, 2022

REVIEW SET PERMIT SET BID SET CONSTRUCTION SET AS BUILT

SPECIFICATIONS

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CHANICAL LEGEND, NOTES,

KITCHEN/DINING HVAC UNITS AT WOODVILLE ELEMENTARY SCHOOL TALIAHASSEE, FI 32305

M-1

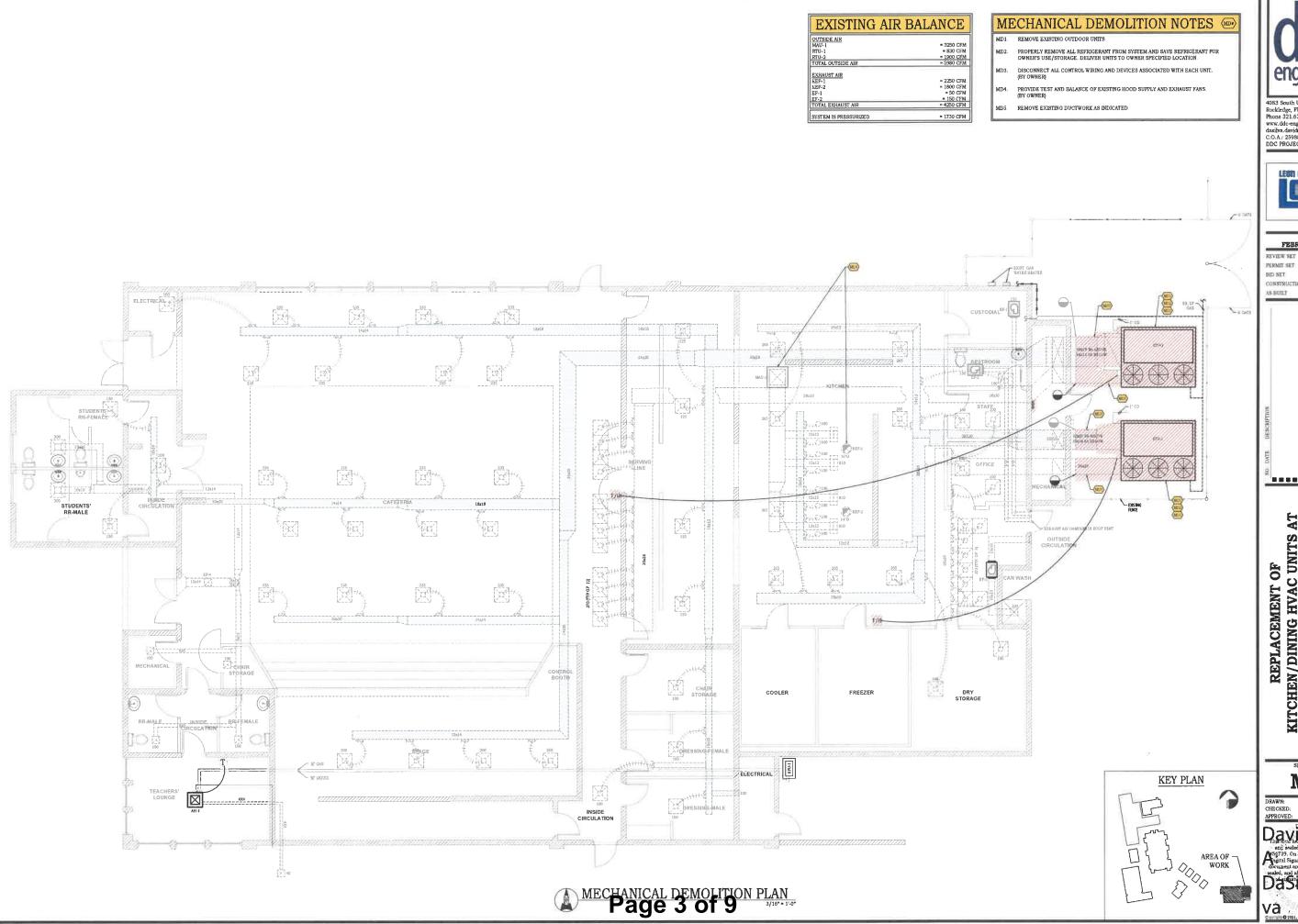
David A Digitally
This is a has been signed by The term has been \$1900500. One and sealed by Darrid Application Fr.

Assessed on Perhand Fr. 2022 cong.

Assessed on Perhand Fr. 2022 cong.

Assessed on Propositions of the document are not considered signed and Darrid and St. 1000500 co. 2021 ft. 1000500 co.

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4083 South U.S. Highway 1, Ste. 101
Rockledge, Florida 32955
Phone 321.633.4522 Pax 321.633.4528
www.ddc-engineers.com
dasitva.david@ddc-engineers.com
C.O.A.: 2598
DDC PROJECT NO.: 22003.01





FEBRUARY 18, 2022

REVIEW SET

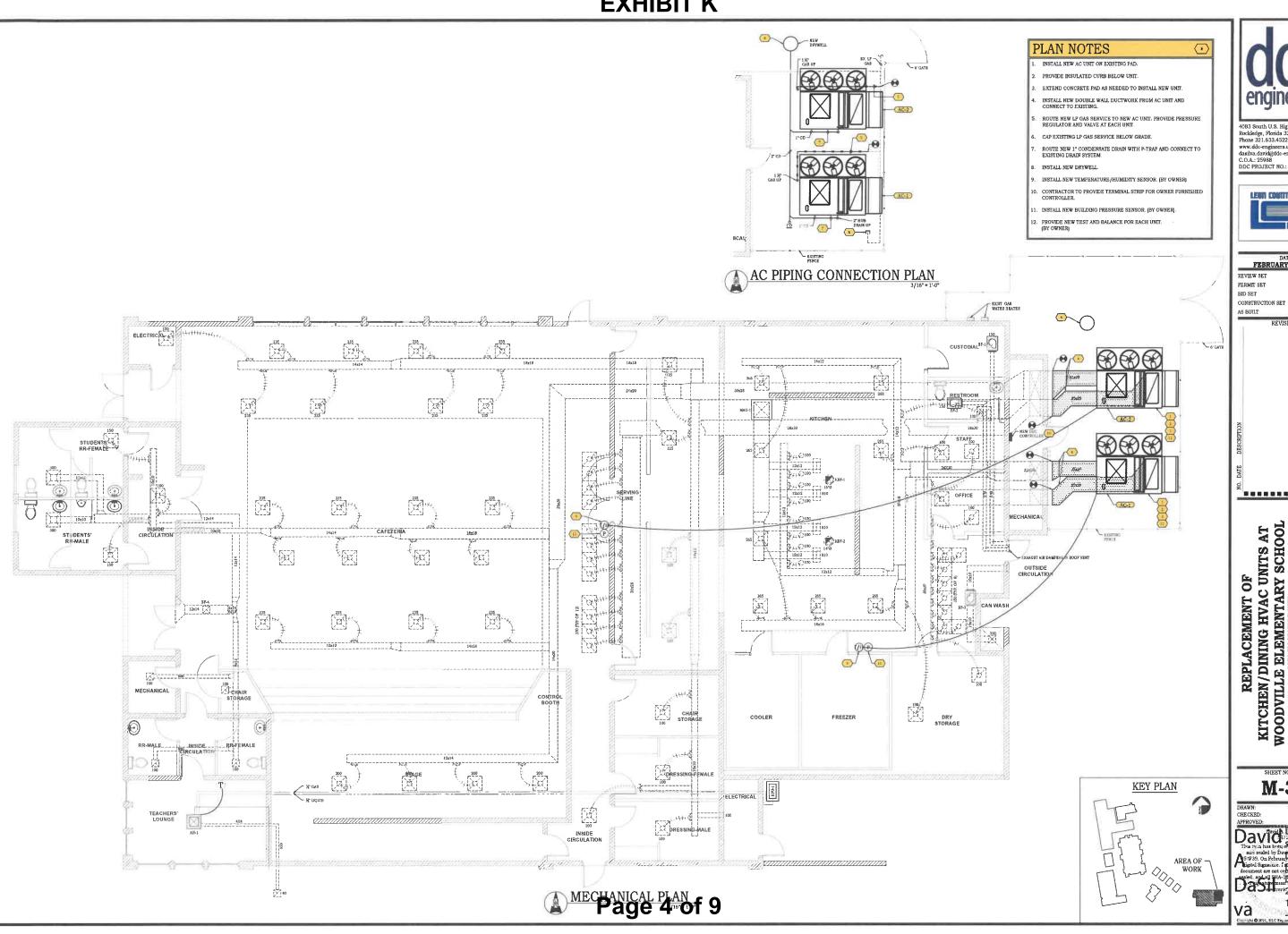
BID SET CONSTRUCTION SET

KITCHEN/DINING HVAC UNITS AT WOODVILLE ELEMENTARY SCHOOL TALLAHASEE, FL 23305 MECHANICAL DEMOLITION PLAN

M-2

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4083 South U.S. Highway 1, Ste. 101 Rockledge, Florida 32955 Phone 321.633.4522 Fax 321.633.4528 www.ddc-engineers.com dasilva.david@ddc-engineers.com C.O.A.: 25988

DDC PROJECT NO.:



FEBRUARY 18, 2022

REVIEW SET PERMIT SET

KITCHEN/DINING HVAC UNITS AT WOODVILLE ELEMENTARY SCHOOL TALLAHASSEE, FI 32305

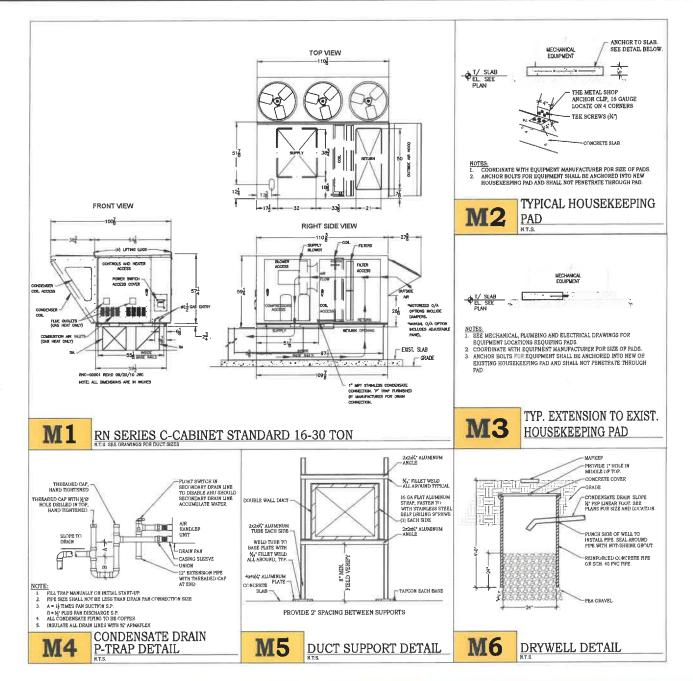
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ECHANICAL PLAN

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						AC	UNI	T S	CHI	EDU	JLE	C (H	ŒΑ′	T P	JMP)										
	MARK NOMINAL O.A. ESP			T		COOLING CAPACITY							HEATING	(LP GAS)			RE HEAT			TITLOUT	NONTHAL				
MARK		O.A. CPM	ESP	PAN HP	RPM	VOLT/ PHASE	MOCP MOCP	AMB. TEMP	LAT DB	LAT WB	ENT DB	ENT WB	SENS MBH	TOT MBH	HEATING MBH	EAT	LAT	OUTPUT STAGES	RE HEAT MBH	EAT	LAT	EER	WEIGHT	NOMINAL TONS	MANUFACTURER
AC-1	3600	830	1.65	5.0	1760	208/3	93/125	95	47.8	46.8	79.6	66.2	126.5	197	213	96	152	2	92	59	70DB/56WB	9.3	2654	20	AAON-RN-020
AC-2	6750	1080	1.2				152/200		51.1	49.8	78.2	64.9	226	262	218	89	119.5	2	149	59	0 DB/57WH	9.1	2763	30	AAON-RN-030
NOTES: 1	PROVIDE THE DISCONT SERVICE HURRICE DOUBLE OUTSIDE STAINLE	NECT SW RECEP ANE TIE WALL S AIR DA WALL(R	TTCH TACLE DOWNS 10" INSU MPER (1 -13 FO/	ILATED MOTORI			2" PLEA DIRECT HUMIDI R-410A PREMIU MODUL		ERS (ME LOWER ' ROLS. RANT. ENCY M EATER C	RO). W/VFD. OTORS ONTROL	S /2 ST.	AGE		ONTROL	5								APF	roved manui	facturers: trane, carrier or daki



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FEBRUARY 18, 2022 REVIEW SET

PERMIT SET BID SET CONSTRUCTION SET AS BUILT

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KITCHEN/DINING HVAC UNITS AT WOODVILLE ELEMENTARY SCHOOL TALLAHASSEE, FL 22305 물들을 MECHANICAL DETAILS AND SCHEDULES

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.. 13:39:16 -05'00'

AIR HANDLER UNIT CONTROL

T P SD

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UNIT DDC CONTROLLER

SA M

ONNECT TO MAIN EMS ALC

	CONTROL	LEGEN	ÍD .
ITEM	DESCRIPTION	ITEM	DESCRIPTION
SD DP AFS MAT	AIR DUCT DIGITAL CONTROLS 3-WAY CONTROL VALVE WITH ELECTRONIC ACTUATOR SMOKE DETECTOR (DIV. 16) DIFFERENTIAL PRESSURE SENSOR AIR FLOW STATION MIXED AIR TEMP. SENSOR RETURN AIR TEMP. SENSOR	P M H C C CS	ROOM TEMPERATURE SENSOR RELAY OVERRIDE START SWITCH PRESSURE SENSOR MOTORIZED DAMPER HUMIDITY SENSOR VARIABLE SPEED DRIVE COMBINATION MOTOR/STARTER DISCONNECT SWITCH FLOW METER CARBON DIOXIDE CURRENT SENSOR
DAT	DISCHARGE AIR TEMP. SENSOR	WTR	WATER TEMPERATURE RETURN
OAT	OUTSIDE AIR TEMP. SENSOR	WTS	WATER TEMPERATURE SUPPLY

			DI	C	P	OIN	TS	SC	HE	Ľ)UI	Œ													
	8		ANA	LOG					I	BIN	ARY				SYSTEM FEATURES										
	SRFA	INPU	т	OUTPUT				INPUT				OUTPUT				INPUT					OUTPUT				
	COMMUNICATION/DATA INTERPACE	IEMPERATIONE HUMIDITY DIPPERENTIAL PRESSURE STATIC PRESSURE		SET POINT ADJUSTMENT VALVE ACTUATOR	DAMPER ACTUATOR		PULSE METER B/O	STATUS	CURRENT RELAY	TOTAL CHICAL	ON-OFF DAMPER ACTUATOR	VALVE ACTUATOR			PROOF		HI-LOW VALVE			TIME SCHEDULING OPT. START/STOP	RESET RUN TIME	SET BACK-SET UP MORNING WARMUP			
AIR HANDLERS		<u> </u>				14				1/4		_%					K	1	4						
FAN OUTSIDE AIR		4 /	// //	1-1/	1	1	19	-	易	13	2	- 12	1	4	8	1/4	-	4	H	- 63	1	1 18			
RETURN AIR	_		// //	1-16		1	W	7	H	10		-6	1	1		1/2	-16	4	H	1	1	1 1			
DISCHARGE AIR	- 1				1	10	10	M	M	10	10	- 6		†	Ø	M	T	1	Ø	10					

EXHIBIT K

GENERAL REQUIREMENTS

GENERAL NOTES
APPROVED MANUFACTURER SHALL BE:

PROVIDE A TOTAL BACNET-BASED DIRECT DIGITAL CONTROL SYSTEM, INCLUDING MICROSOFT WINDOWS, 2007 PROFESSIONAL OR XP PROFESSIONAL AS THE OPERATING SYSTEM (IF FRONT END IS NOT EXISTING). THE ITEMS LISTED SHALL BE PROVIDED BUT SHALL NOT BE LIMITED TO THE FOLLOWING:

-ALL NECESSARY BACNET-COMPLIANT HARDWARE AND SOFTWARE TO

MEET THE DESIGN CUTTERA ABOVE.

**ALL CABRICTS, PANELS, DATA, COMMUNICATION NETWORK CABLES AND ASSOCIATED HARDWARE.

**FROVIDE SUPERVISORY SPECIALISTS AND TECHNICIANS AT THE JOB SITE TO ASSIST IN SYSTEM INSTALLATION, START UP AND

COMMISSIONING.
-PROVIDE OWIRE TRAINING PROGRAM FOR SYSTEM INSTALLED.
-PROVIDE WORRE TRAINING PROGRAM FOR SYSTEM.
MANUALS REQUIRED FOR SYSTEM.
-PROVIDE ALL NEW SENSORS, DAMPERS, VALVES, RELAYS, AND NEW.

ACTUATORS, NO USED EQUIPMENT SHALL BE INSTALLED. -COMPLETE FULL COLOR GRAPHIC PACKAGE WITH AUTOCAD OR VISIO DRAWING FILES OF ALL INSTALLED HVAC EQUIPMENT AND

SYSTEM SHALL PROVIDE COMPLETE MONITORING CAPABILITIES WITH

FUNCTIONS AS FOLLOWS:
-OPERATOR ACTIVITY LOG
-TREND LOG INFORMATION -SCHEDULING
-ENERGY LOG INFORMATION
-ALARM INDICATION
-DEMAND LIMITING

PROVIDE COMPLETE SHOP DRAWING SUBMITTAL FOR REVIEW.

COORDINATE FINAL LOCATION OF ALL THERMOSTATS WITH OWNER.

SYSTEM GRAPHICS SHOULD SHOW THE FOLLOWING AS A MINIMUM -BUILDING LAYOUT OF ALL AC UNITS AND LOCATION OF ASSOCIATED THERMOSTAT.

SEQUENCE OF OPERATION

SCOPE OF WORK:
PROVIDE A TOTAL BACNET-BASED ENERGY MANAGEMENT SYSTEM (EMS) TO CONTROL THE
NEW HYAC SYSTEMS. THE EMS SYSTEM CONTOLLER SHALL BE A DIRECT DIGITAL CONTROL
SYSTEM AS MANUFACTURED BY AUTOMATED LOGIC OR OWNER APPROVED EQUAL. SYSTEM MUST BE CAPABLE OF EXPANSION.

GENERAL

1. AIR HANDLER FAN WILL START AND STOP ON COMMAND FROM ENERGY MANAGEMENT SYSTEM BASED ON TIME OF DAY SCHEDULE. OPERATING SCHEDULE SHALL BE DETERMINED BY OWNER.

- ALL OUTSIDE AIR DAMPERS TO OPEN DURING OCCUPIED MODE.
- LOCAL OVERRIDE CONTROL WILL START FAN AND PERMIT IT TO RUN FOR A PREDETERMINED INTERVAL
- ON A RISE OR FALL OF RETURN OR SPACE AIR TEMPERATURE FROM 75°F SETPOINT, AN AC UNIT SHALL BE ENERGIZED.
- SPACE AIR TEMPERATURE SETPOINT SHALL BE SET BY THE EMS AND SHALL BE ADJUSTABLE.
- WHEN ANY AIR HANDLER IS OFF, THE OUTSIDE DAMPER WILL BE COMMANDED CLOSED.

SPACE TEMP/RH CONTROL SEQUENCE

pace Temp/RH Control Sequence (CAV)

Space Temp/RH Control Sequence (CAV)

Sensors Temp/RH (Seld installed)

- Supply Air Temp (Seld installed)

- Outside Air Temp/RH (internal to the AAON)

- Return Air Temp/RH (internal to the AAON)

- Return Air Temp/RH (internal to the AAON)

- Return Air Temp/RH (internal to the AAON)

- Temp/RH Setpoints

- Space Dempostry Setpoint 49 'F 2 'F'

- Space Dempostry Setpoint 40 'F'

-

temperature control will take over.

Cooling Mode

In the event the space is satisfied on dewpoint and the space temperature exceeds the space temp setpoint, cooling mode will be canabled. The compressors will be activated and operate to maintain the supply air temperature setpoint. This mode will stay active until the space temperature has dropped below the space temperature setpoint dead band, 2 2?

Henting Mode

In the event the space is satisfied on dewpoint and the space temperature drops below the space temp setpoint, beating mode will be enabled. The LP Gas heat will be activated and staged to maintain the supply air temperature setpoint. This mode will stay active until the space temperature has exceeded the space temperature setpoint dead band, 2 2?

Vent Mode

mode will stay active until the space temperature has exceeded the space temperature setpoint dead band, 2 2 F.

Vent Mede

If the space is statisfied on temperature and dexpoint, the supply fan will continue to run

Outside Air Damper Control

Damper shall open when AC unit is energized.

Outside air Damper all the Excel based on TAB confirming the correct air flow per the design

Damper shall close when AC unit is off.

Scheduling

Internal to the unit is an adjustable scheduler, allowing for operational hours, as well as adding holidays and exception days.

Alarming

Supply Fan Failure

Compressor Failure

Trending

SAf RH

OAT/RH

OAT/RH

OAT/RH

OAT/RH

OAT/RH

OAD-RESSOR Operation

Heating Operation

Heating Operation

Heating Operation

Heating Operation

SA Externation

- BAS Integration

 BAS to be completed at start up (Coordinate with ALC).

AAON SEQUENCE OF OPERATION

The DX Package Unit shall be commanded on and run 6am TO 4pm (adjustable) to modulate to maintain building static pressuriation, with Debumidification (priority), Cooling and Heating Modes. Enable Setpoints in conjunction with the CA temperature sensor shall be used to determine the units mode of operation.

Building Pressure Control
The unit Building pressure standarders shall use the adjustable OA Damper output signal to maintain the Building Pressure Setpoin
Whenever the Building Pressure falls below the Building Pressure Setpoin by the dead band of 5%(adjustable), the modulating
Output Signal will modulate the damper open to control to the Building Pressuration. If the Building Pressure ness above the
Building Pressure Setpoin by the dead band of 5% adjustable), the damper will modulate towards closed as it attempts to maintain
the Building Pressure Setpoint. The Supply Fan VFD Output will be used to control the Supply Fan VFD to maintain the Building
Pressure Setpoint in similar fashion to the Outpoor Air Damper control described above.

Defination of the August of the Control of the Cont

Cooling Mode
When the room temperature is below the target 75°F, cooling mode will be enabled. The first digital compressor shall modulate to
100% and if the supply temperature setpoint is still above the setpoint for cooling than the second digital compressor shall sumble,
and both digital compressors will modulate in tandem to maintain the supply temperature setpoint. The compressors shall stage
down, if the digital compressors have modulated down to 30% and the surfous napply temperature stage faller below the croking
setpoint, then the last compressor to have staged on will stage off, any cooling remaining on will be forced to stage off. This mode will
stry active until the dischange air temperature less dropped below the dischange air temperature setpoint dead band, 12 m Gel

Heating Mode
When the rrom air temperature drops below 68°F setpoint, heating mode will be enabled. The gas heat will be activated and
modulated to maintain the supply air temperature setpoint. This mode will stay active until the space temperature has exceeded the
space temperature setpoint dead band, 1.2°F.

Head Pressure Control
The Condenser Relay shall be commanded on when the first compressor is enabled, and the Condenser Fan shall modulate. If the
Head Pressure exceeds S59 PSIG, the condenser control signal shall immediately go to 100% and a High Head Pressure Alarm will be
generated. The alarm will be descrivated when the Head Pressure drops below 540 PSIG. The Condenser Output Signal shall control
to the Reheat Head Pressure Setpoint.



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FEBRUARY 18, 2022 REVIEW SET PERMIT SET

BID SET AS BUILT

KITCHEN/DINING HVAC UNITS AT WOODVILLE ELEMENTARY SCHOOL TALLAHASSEE, FL 32305

CONTROLS MECHANICAL

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PROJECT MANUAL TABLE OF CONTENTS DIVISION 15 - MECHANICAL

JIT 13 - MECHANICAL

- HEATING & VERTILATING, AND AIR CONDITIONING, GENERAL

- OPERATION AND MAINTENANCE MANUALS

- DUCTWORK, LOW PRESSURE, GALVANIZED STEEL

- AIR HANDLING EQUIPMENT

- HAVE INSULATION, LOW PRESSURE DUCTWORK

- TESTING, ADJUSTING AND BALANCING

- CONTROLS

SECTION 15000 HEATING, VENTILATING, AND AIR CONDITIONING, GENERAL

PART 1 - GENERAL

FART 1 - SECTIONS
1.0 DESCRIPTION
A SECTIONS 15000 THROUGH 15850 PERTAIN TO HEATING, VENTILATING AND AIR CONDITIONING (HVAC) WORK. THIS SECTION APPLIES TO AND GOVERNS ALL HVAC SECTIONS.
B. REPER TO OTHER DIVISIONS FOR CONTINUATION OF EXTERIOR AND ALLIED WORK.
C FILLD PARTING SHALL BE FROVIDED BY THIS CONTRACTOR PAINT ALL EXPOSED CONDUITS, PIPING, SUPPORTS ETC. FIELD PAINT SHALL MATCH SIMILAR EXISTING TRADES.

PERMITS, FEES, CODES, ORDINANCES AND REGULATIONS.
 OBTAIN AND PAY FOR ALL PERMITS, INSPECTIONS AND CONNECTION FEES REQUIRED BY GOVERNING BODIES IN CONNECTION WITH THE WORK, DELIVER CENTRICATES OF INSPECTION TO THE GWARER.
 ALL WORK SHALL COMPLY WITH THE FLORIDA BUILDING CODE, 2017 EDITION AND ALL OTHER GOVERNING CODES, ORDINANCES AND REQUIRATIONS, THE NATIONAL ELECTRICAL CODE, AND THE FLORIDA MECHANICAL CODE.

VANIALI ASSUMATIVE.
INDUSTRY STANDARDS AND CODES UNLESS MODIFIED BY THESS SPECIFICATIONS, THE DESIGN, MANUFACTURE,
TESTING, AIPM METHOD OF INSTALLING ALL MATERIALS, APPARATUS AND EQUIPMENT SHALL CONFORM TO THE
FOLL INWIN

FOLLOWING:

ARI CODE FOR REPRIGERATION APPARATUS

ANSI B9 I SAFETY CODE FOR MECHANICAL REPRIGERATION

STANDARDS OF NATIONAL PIRE PROTECTION ASSOCIATION

SMACMA

ASSIRAD

SUBSTITUTIONS: SEE GENERAL CONDITIONS.

104 JOB CONDITIONS
A. PROTECT MATERIALS, APPARATUS AND EQUIPMENT FROM DAMAGE, MOISTURE, DIRT, DEBRIS AND WORK OF OTHER TRADES.
B. USG OF PAPER. CARDBOARD OR OTHER FLIMSY MATERIAL WILL NOT BE PERMITTED. REPLACE DAMAGED PROTECTIVE MATERIALS IMMEDIATELY DO NOT INSTALL DAMAGED MATERIALS AND EQUIPMENT; REMOVE FROM THE SITE.

PART 2 - PRODUCTS

2.01 GENERAL

A. ALL MATERIALS AND EQUIPMENT SHALL BE NEW. SYSTEMS SHALL BE PROVIDED COMPLETE AND OPERATIONAL TO MAINTAIN THE SPECIFIED DESIGN CAPACITY. SHOULD A SYSTEM, OR ANY PART THEREOF PAIL TO MEST PERFORMANCE REQUIREMENTS THIS CONTINCTOR SHALL BE RESPONSIBLE FOR NECESSARY REFLACEMENTS, ALTERATIONS OR REPAIRS, AS REQUIRED BY THE BEIGIBLEY, DISTRICE PERFORMANCE UP TO SPECIFIED REQUIREMENTS BUILDING CONSTRUCTION OR EQUIPMENT DAMAGED ON MARRED DURING THIS PROJECT SHALL BE RESTORED TO PRIOR CONDITIONS, AT FOR ADMITIONAL COST OT THE OWNER.

B. WHERE MULTIPLE TEMS OF EQUIPMENT OF MATERIALS ARE REQUIRED, THEY SHALL BE THE PRODUCT OF A SINGLE MAINITEACHIRER.

MANUFACTURER
MANUFACTURER
BEFORE ORDERING AMY SQUIJEMENT, THE SIZE OF ALL EQUIPMENT SHALL BE CHECKED TO EASILY FIT SPACES
BEFORE ORDERING AMY SQUIJEMENT, THE SIZE OF ALL EQUIPMENT SHALL BE CHECKED TO EASILY FIT SPACES
INSERTS PIPS SLEBYES, SUPPORTS AND ANCORROGE OF AIR CONDITIONING EQUIPMENT SHALL BE PROVIDED AS
SPECIFIED BERRIN, WHERE SUCH TEMS ARE TO SET OR EMBEDDED IN CONCRETE MASONRY OR SMILLAR WORK, THE
TIEMS SHALL BE FURNISHED AND LAYOUT MADE AT THE PROPER TIME FOR THE SETTING OR EMBEDDED HT THEREOF SO
AS TO CAUSE HO DELAY IN THE WORK.

AS TO CAUSE NO DELAY IN THE WORK.
PIPING ASSEMBLIES OF EQUIPMENT SHOWN ON THE DRAWINGS ARE DIAGRAMMATIC ALL PIPING AND APPURTENANCES
REQUIRED FOR THE PROPER OPERATION OF ALL EQUIPMENT SHALL BE PROVIDED.

2 02 MANUFACTURER'S NAMES AND CATALOG NUMBERS
A SPECIFIC REFERENCES HAVE BEEN MADE TO ORE OR MORE MANUFACTURER'S NAMES AND MODEL OR CATALOG NUMBERS.
B. THIS DOES NOT INDICATE THAT THE MATERIAL AND EQUIPMENT SPECIFIED IS NECESSARILY AN "OFF THE SHELF" IFEM, REQUIREMENTS FOR SPECIFIC FINISHES, MATERIALS OR OTHER MODIFICATIONS MAY INTRODUCE VARIANCES FROM MANUFACTURER'S STANDARDS. CONTRACTOR SHALL ASCERTAIN THAT SUCH MODIFICATIONS ARE FULLY CONSIDERED AND APPRIVED FINISH OF INSTILLATION.

EQUIPMENT IDENTIFICATION EACH MAJOR COMPONENT OF EQUIPMENT SHALL HAVE THE MANUFACTURER'S NAME, ADDRESS AND CATALOG NUMBER ON A FLATE SECURELY AFFIXED IN A CONSPICUOUS PLACE. THE NAMEPLATE OF A DISTRIBUTING AGENT WILL NOT BE ACCEPTED.

ART 3 - EXECUTION

I INSTALLATION AND WORKMANSHIP

THE WORK SHALL BE PERFORMED BY QUALIFIED CLASS A MECHANICAL CONTRACTOR AND INSTALL ALL MATERIALS,
APPARATUS AND EQUIPMENT IN A REAT, WORKMANUINE MANNER ANY MATERIAL, APPARATUS OR EQUIPMENT WHICH, IN
THE OPINION OF THE PROJECT ENGINEER, IS IMPROPERLY INSTALLED SHALL BE REMOVED AND REINSTALLED IN AN
APPROVED MANNER AT NO ADDITIONAL COST TO THE OWNER.

COORDINATE ALL WORK WITH OTHER TRADES WHERE THE WORK IS DEPENDENT UPON WORK OF OTHER TRADES OR
WORK ALREADY IN PLACE, SUCH OTHER WORK AND WORK IN PLACE SHALL BE EXAMINED AND SHALL BE IN PROPER
CONDITION AND STATE OF COMPLETION BEFORE CONTINUING THE INSTALLATION OF THE SYSTEM SHALL, IN GENERAL BY
LOCATION OF THE SYSTEM SHALL, IN GENERAL BE IN ACCORDANCE WITH THE DRAWINGS WITH RECARDES TO
LOCATION OF SYSTEM SHALL IN GENERAL BE IN ACCORDANCE WITH THE DRAWINGS WITH RECARDES TO
LOCATION OF SYSTEM SHALL IN GENERAL BE IN ACCORDANCE WITH THE DRAWINGS WITH RECARDES TO
LOCATION OF SYSTEM SHALL IN PRISE AND THE LIKE, PRIVINGENERS HALL BE CAULED TO THE ATTENTION OF THE
ENGINEER WHERE NECESSARY AS DETERMINED BY THE ENGINEER, CONTRACTOR SHALL FURNISH DRAWINGS
SHOWING PROPOSED CHANGES.

3.02 EARTHWORK AND DEWATERING A. NOT APPLICABLE.

LAYOUT OPENINGS FOR CUTTING BY OTHER TRADES AS REQUIRED.
CUTTING OF STEEL, CONCRETE OR ANY OTHER STRUCTURAL PART MUST BE APPROVED IN WRITING BY ENGINEER PRIOR TO CUTTING.

WATERPROOFING
DO NOT CUT OR PENETRATE WATERPROOFED SURFACES, OR WATERPROOFING MEMBRANES, WITHOUT FIRST MAKING
ARRANGEMENTS FOR REPAIR BY A METHOD APPROVED BY PROJECT ENGINEER.

3 05 ELECTRICAL WORK

A. POWER WIRING FROM PANELS TO MOTOR CONTROLLERS AND FROM CONTROLLERS TO MOTORS IS SPECIFIED IN CONTROLLERS TO MOTORS IS SPECIFIED IN CONTROLLERS.

DIVISION 16.

PROVIDE MOTOR STARTERS WITH THE MOTORS AT THE PACTORY.

SUBMIT WIRING DIAGRAMS FOR APPROVAL AND PROVIDE APPROVED DIAGRAMS SO THAT THE ELECTRICAL WORK MAY
BE PROPERLY ACCOMPLISHED.

ELECTRICAL CONTROL WIRING FOR CONNECTION OF TEMPERATURE CONTROLLERS, PUSH BUTTONS, INTERLOCKS IN
MOTOR CONTROLLERS, AND LIKE TEMS IS SPECIFIED IN THE CONTROL SECTION(S) IN THIS DIVISION. FURNISH ALL
EQUIPMENT WITH CONTROLLERS, HOUSE TEMS IN SPECIFIED IN THE CONTROL SECTION(S) IN THIS DIVISION. FURNISH ALL
EQUIPMENT WITH CONTROL SECTION OF THE PROVISION SOFT DIVISION FURNISH ALL
EQUIPMENT WITH CONTROL SECTION OF THE PROVISION SHALL CONTROL WITH CONTROL SECTION(S) IN THIS DIVISION IN
SECTION OF THE PROVISION OF THE PROVISION SHALL CONTROL WITHOUT
SECTION OF THE PROVISION OF THE PROVISION SHALL CONTROL WITHOUT
SECTION OF THE PROVISION OF THE PROVISION OF THE PROVISION OF DIVISION IG. ALL

ELECTRICAL MOTOR OFFICER DIVISION SHALL CONTROL WITHOUT
SECTION OF THE PROVISION OF THE PROV

CONTROL WIRING SHALL BE IN CONDUIT.
PROVIDE MOTORS CONFORMING TO CHARACTERISTICS SHOWN ON ELECTRICAL DRAWINGS.

3.06 SUPPORTS FOR PIPING AND EQUIPMENT
A SUPPORT FOR PIPING AND EQUIPMENT SHALL BE SUPPORTED FROM STRUCTURAL MEMBERS AND NOT FROM METAL
DECK AND SLAB ASSEMBLES. 3 07 ACCESS DOORS (ACCESS PANELS)
A. PROVIDE ACCESS REQUIRED FOR MAINTENANCE, ADJUSTMENT, REMOVAL AND REPAIR OF VALVES, CONTROLS, DAMPERS, EQUIPMENT AND LIKE TIEMS PURNISHED HERE-UNDER.

3 08 CLEAN UP
A REFER TO GENERAL CONDITIONS FOR CLEANING-UP.
B. CLEAN ALL MATERIALS AND EQUIPMENT OF DIRT, DUST, PAINT, SPOTS, AND STAINS, SOIL MARKS AND OTHER FOREIGN MATTER.

PINAL INSPECTION
 NOTICE TO THE PROJECT ENGINEER THAT THE WORK IS READY FOR FINAL INSPECTION THE CONTRACTOR SHALL:
 SUBMIT TEST AND BALANCE REPORT AND COMPLETE REQUIREMENTS AS
 NOTED.
 SUBMIT LETTER FROM CONTROL MANUFACTURER CERTIFYING THAT CONTROLS HAVE BEEN CHECKED FOR OPERATION AND CALIBRATION, AND THAT SYSTEM IS OPERATING AS INTENDED.
 CONTRACTOR SHALL PURISHS HECESSARY MECHANICS TO OPERATE SYSTEM, MAKE NECESSARY ADJUSTMENTS AND ASSIST WITH FINAL INSPECTION.

3.10 INSTRUCTION OF OWNERS OPERATING PERSONNEL
A. THE CONTRACTOR SHALL INCLUDE THE COST OF THE SERVICES OF QUALIFIED INSTRUCTORS TO INSTRUCT THE OWNERS OFERATING PERSONNEL IN THE OPERATION, ADJUSTMENT, CARE AND MAINTENANCE OF ALL HVAC EQUIPMENT AND SYSTEMS.

EQUIPMENT AND SYSTEMS.

INSTRUCTION SHALL BE PERFORMED AT A TIME APPROVED BY THE OWNER AND APTER ALL HVAC EQUIPMENT AND SYSTEMS ARE INSTRUCTION SHALL BE PERFORMED AT A TIME APPROVED BY THE OWNER AND APTER ALL HVAC EQUIPMENT AND SYSTEMS ARE INSTRUCTIONS WILL BE GIVEN. IN THE OWNER WHEN INSTRUCTIONS WILL BE GIVEN. ON THE OWNER AND ENTRUCTIONS WILL BE GIVEN. ADDITIONAL REQUIREMENTS CONCERNING OPERATION AND MAINTENANCE OF MECHANICAL EQUIPMENT AND SYSTEMS MAY BE SECCIOLED IN OTHER SECTIONS.

END OF SECTION

EXHIBIT K

SECTION 15100

OPERATION AND MAINTENANCE MANUALS

PART 1 - GENERAL

PART 2 - PRODUCTS

2.01 MANUAL CONTENTS

A TITLE SHEET WITH JOB NAME, AND THE NAMES, ADDRESSES AND PHONE NUMBERS OF THE CONTRACTOR, SUBCONTRACTOR, CONTROL SUBCONTRACTOR, RELATED CONTRACTORS AND MATERIAL AND EQUIPMENT

SUBCONTRACTOR, COM NOL SUBCONTRACTOR, CONTROL SUBCONTRACTOR, COMPANY SUPPLIERS.

B. TABLE OF CONTENTS.
C. A COPY OF ACKNOWLEDGMENT OF INSTRUCTION TO THE OWNER'S OPERATING PERSONNEL IN THE OPERATION OF ALL MECHANICAL EQUIPMENT AND SYSTEMS, SIGNED BY THE OWNER OR HIS AUTHORIZED REFRESENTATIVE.
TYPEWRITTEN OPERATING INSTRUCTIONS FOR THE OWNER'S PERSONNEL DESCRIBING HOW'TO STOT AND START EACH FIECE OF EQUIPMENT, HOW'TO STOT HIS TEMPERATIFIES CONTROL SYSTEM FOR HORMAL OFERATION AND EACH FIECE OF EQUIPMENT, HOW'TO STOT HIS TEMPERATIFIES CONTROL SYSTEM FOR HORMAL OFERATION AND EACH FIELD SHOP DEAVINGS OF DATA AND PARTS AND MANTENANCE BOOKLET FOR EACH TIEM OF MATERIAL AND EQUIPMENT FURNISHED UNDER DIVISION 15.

PROCORD DRAWINGS OF ALL SYSTEMS INCLUDING ELECTRICAL AND CONTROL DIAGRAMS.

MAILEMENT AND ANALYSIS OF ALL STORMS

2. TEST AND BALANCE REPORT.

1. COPIES OF CERTIFICATES OF INSPECTION.

1. GUARANTEES, INCLUDING EXTENDED GUARANTEES

PART 3 - EXECUTION

3.01 DELIVERY

A. DELIVER THE MANUALS TO THE OWNER PRIOR TO SUBMITTING APPLICATION FOR FINAL PAYMENT

3.02 OPERATION AND MAINTENANCE MANUALS

END OF SECTION

SECTION 15305

DUCTWORK, LOW PRESSURE, GALVANIZED STEEL

O JUALITY ASSURANCE
A DUCTS SHALL BE CONSTRUCTED AND INSTALLED IN ACCORDANCE WITH "HVAC DUCT CONSTRUCTION STANDARDS" PUBLISHED BY THE SHEET METAL AND AIR CONDITIONING CONTRACTORS NATIONAL ASSOCIATION, INC. (SMACNA) AND THE CURRENT ADDITION MODEL CODE
BE SEE NOTES ON DRAWINGS FOR ADDITIONAL DUCTWORK SPECIFICATIONS.

C. DUCT WORK SHALL BE G90 GALVANIZED STEEL, 26 GAUGE MIN OF LOCK FORMING QUALITY.

1.02 JOB CONDITIONS
A. INSPECT THE DRAWINGS AND VERIFY ALL CONDITIONS IN THE FIELD, REPORT CONFLICTS BEFORE STARTING FABRICATION.

PART 2 - PRODUCTS

2 OF DUCT MATERIAL

A. WEIGHTS AND AUGES SHALL BE IN ACCORDANCE WITH TABLE LOF TIVAC DUCT CONSTRUCTION STANDARDS' PUBLISH
BY SMACHA AND THE CURRENT ADOPTED MODEL CODE. DUCT MATERIAL SHALL BE GALVANIZED STEEL.

2 02 SPLITTERS

A. SPLITTERS SHALL BE IS GAUGE GALVANIZED STEEL WITH HORIZONTAL AND VERTICAL DIMENSIONS SUFFICIENT TO CLOSE OFF AIR TO BRANCH.

2.03 VOLUME DAMPERS
A. VOLUME DAMPERS SHALL BE 18 GAUGE STEEL; SINGLE BLADE UP TO 57-67, OPPOSED BLADE ON ALL DUCTS OVER 57-87.

VOLUME DAMPERS SHALL BE 18 GAUGE STEEL; SINGLE BLADE UP TO 57-67, OPPOSED BLADE ON ALL DUCTS OVER 57-87.

PROVIDE DAMPERS WITH INDICATING QUADRANT REQULATORS (SELF-LOCKING REGULATOR)
DAMPER RODS SHALL BE 1/2" SQUARE BARS WITH BIADES SECURELY RIVETED TO BAR.
BEROLDED DAMPER WITH LOCKING, ULADRANT AND 75 STAND, DAMPER WITH

2.04 TURNING VANES
A. ALL SQUARE AND RECTANGULAR ELBOWS SHALL CONTAIN DOUBLE WALL VANES.

2.05 HANGERS
A. PROVIDE IN ACCORDANCE WITH CHAPTER IV OF SMACNA.

PROVIDE GALVANIZED STREL PAINTED WITH INORGANIC ZINC.

FLEXIBLE CONNECTIONS.
 A. FLEXIBLE CONNECTIONS SHALL BE PROVIDED FOR EACH AIR HANDLING DEVICE TO PREVENT TRANSMISSION OF VIBRATIONS.
 MARE FLEXIBLE CONNECTION A MINIMUM OF 4 INCHES WIDE, FIRE RETARDANT, AIRTIGHT WOVEN FIBROUS GLASS.

CLOTH. INSTALL BRAIDED COPPER BRIDGE STRAP FOR INSTALLATION ACROSS FLEXIBLE CONNECTIONS.

PART 3 - EXECUTION

1011 INSTALLATION

A GENERAL SLIT, DIVIDE OR TURN DUCTS AS NECESSARY TO AVOID OBSTRUCTIONS AND, IN SUCH CASES, PROVIDE AIR STREAM DEFLECTORS AND INCREASE SIZE OF DUCT TO AN EQUIVALENT AREA.

SPLITTERS REGIDLY ATTACKS PAUTERS TO PROVE TOD AND OPERATING LINKAGE SET DAMPER ASSEMBLY ON RAISED INSULATED DUCTWORK.

VOLUME DAMPERS SUPER VAN DAMASEL PAIR DUCTWORK IN CONCEALED SPACES. SET REQULATION ON RAISED BASE ON INSULATED DUCTWORK. MARK END OF DAMPER ROD TO SHOW DAMPER POSITION.

FLEXIBLE CONNECTION: SECURE PLEXIBLE CONNECTIONS TO DUCT AND UNIT WITH GALVANIZED STEEL STRAPS HOLDING THE MATERIAL IN PORMED GALVANIZED STEEL CHANNELS. INSTALL BRAIDED COPPER BRIDGE STRAP ACROSS ALS LEXELISE CONNECTIONS.

HOUSING THE MELECULAR CONTINUES OF THE TEST PLUCS AS REQUIRED FOR INSERTION OF TEST APPARATUS. PROVIDE A RING AND A REMOVABLE INSULATION PLUC WHERE DUCTS ARE INSULATION.

RING AND A REMOVABLE INSULATION PLUC WHERE DUCTS ARE INSULATION.

F. PAINTING: PAINT INTERIOR OF DUCTWORK FLAT BLACK WHERE VISIBLE THROUGH GRILLES AND REGISTERS
G. SEALING: DUCTWORK SHALL BE SEALED IN ACCORDANCE WITH TABLE 1-2 FOR "SEAL CLASS B" OF SMACNA

3.02 CORRECTIONS
A. REMOVE ALL DUCTWORK FOUND TO VIBRATE, CHATTER OR PULSATE AND REPLACE WITH NEW DUCTWORK

END OF SECTION

SECTION 15750 AIR HANDLING EQUIPMENT

PART 1 - GENERAL

.01 DESCRIPTION A. AIR DISTRIBUTION UNITS SHALL BE PROVIDED TO DELIVER THE INDICATED VOLUME OF SUPPLY AIR AND WITH COOLING CAPACITIES AS INDICATED ON THE SCHEDULE.

PART 2 - PRODUCTS (1.2 - PROJUCUTS)
AIR HANDLING UNTS (FOR DOUBLE WALL UNITS ONLY)
UNITS SHALL BE AS MANUFACTURED BY CARRIER, TRANE, YORK OR EQUAL. FOR MODEL NUMBERS AND TYPES SEE AIR
SCHEDULE ON DRAWING, NOTE: UNIT SHALL BE MADE FOR OUTDOOR USAGE.

2.02 CASING
A. PARRICATE UNIT CASING OF NOMINAL 16 CAUGE CHANNEL POST AND GALVANIZED STEEL UNIT SHALL HAVE DOUBLE WALL WITH 2" THICK, POLYETHYLENE FOAM INSULATION. ALL PANELS TO BE GASKSTED. 2.03 ACCESS DOORS
 A. GALV. STEEL WITH TWO 6" LONG STAINLESS STEEL PIANO-TYPE HINGES, LATCH AND FULL SIZE HANDLE ASSEMBLY.

2.04 DRAIN PAN
A SOLID STAINLESS STEEL INSULATED WITH CROSS BREAK AND DOUBLE SLOPING PITCH TO DRAIN CONNECTION. 2.05 FANS A PROVIDE FORWARD CURVED SUPPLY FANS. ALL FANS, MOTORS AND SHEAVES SHALL BE DYNAMICALLY BALANCED.

2.06 COOLING COILS
A. PROVIDE 5/3° COIL TUBES SEAMLESS COPPER WITH COPPER FINS.
B. CRETTEY AIR COIL CAPACITIES & PRESSURE DROPS IN ACCORDANCE WITH ARI 410.

2.07 FILTERS
A. PROVIDE 2" FLAT FILTER SECTION WITH 2" PLEATED PANEL FILTERS, MEDIA-TYPE FILTERS SHALL BE UL 900 LISTED.

PART 3 - PRODUCTS

INSTALLATION
 INSTALL WHERE SHOWN ON DRAWINGS AND IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.

END OF SECTION

SECTION 15802 HVAC INSULATION, GENERAL

PART 1 - GENERAL

1.01 DESCRIPTION
A THIS SECTION GOVERNS ALL HVAC INSULATION
PART 2 - EXECUTION

201 INSTALATION

NOT BE INSTALATION

A BUSINESS AND THE INSTALLED UNTIL TESTING PROCEDURES HAVE BEEN COMPLIED WITH ALL SURFACES AND A BUSINESS FROM DISPOSITION OF COATINGS ADHESIVES AND PHISHES.

C REMOVE ALL EXCESS MATERIALS AND DEBRIS FROM BOTH EXPOSED AND CONCEALED AREAS SO THAT THESE AREAS ARE COMPLETELY CLEAN.

PART 3 - EXECUTION

END OF SECTION

SECTION 15841 INSULATION, LOW PRESSURE DUCTWORK

PART 1 - GENERAL

DESCRIPTION

ALL LOW PRESSURE CONCEALED DUCT SYSTEMS, 2 INCHES WATER GAUGE OR LESS, SHALL BE INSULATED

ALL APPLICABLE REQUIREMENTS OF THE SECTION, HVAC INSULATION, GENERAL, SHALL APPLY TO THIS SECTION,

ALL EXPOSED DUCTVORK SHALL BE DOUBLE WALL INTERNALLY INSULATED WITH I A INCH DUCT LINER BY SHALL BE CONTENT OF WITH AN IMMOBILED BY A PASSISTERED ANTI-MICROBIAL AGENT TO RESIST THE
GROWING OF FUNGUS AND BACTERIA, FOLLOW MANUFACTURERS INSTRUCTIONS FOR INSTALLATION AND CLEARING.
ALL JOILTS AND FIELD CUTS SHALL BE ROPERLY SEALED WITH MANUFACTURERS SEALART/ADHESIVE.

1.02 EQUIVALENT MATERIALS
A MATERIALS OTHER THAN THOSE SPECIFIED WILL BE CONSIDERED FOR APPROVAL EQUAL.

PART 2 - PRODUCTS

2.01 INSULATION A EXTERNAL INSULATION SHALL BE 2 INCH THICK. 1 POUND DENSITY, SCHULLER TYPE SMALLITE, FSK SPIN GLAS OR APPROVED EQUAL WITH AN EMBOSSED ALUMINUM FOIL FACING, (MIN. R VALUE OF 6).

2.02 ADHESIVES, MASTIC, SEALANTS
A. ADBESIVES SHALL BE POSTER'S 85-20, STUDWELD PINS SHALL BE SEALED WITH POSTER'S 30-36 ADHESIVE.
B. ALL JOINTS, SEAMS AND BREAKS IN THE VAPOR BARRIER SHALL BE SEALED WITH FOSTER'S 35-00, REINFORCED WITH 4 INCH WIDS GLASS FARRIC.

PART 3 - EXECUTION

3.01 INSTALLATION
A ALL CONCEALED SUPPLY AND RETURN AIR DUCTWORK SHALL BE INSULATED AND INSTALLED PER SMACHA STANDARDS
B. AIR SUPPLY DIFFUSER BACKS AND NECKS:

1. ALL AR SUPLY OFFICES BACKS AND NECKS. SHALL BE INSULATED WITH 1½ INCH THICK, ½ POUND DENSITY, MANVILLE R-SERIES SMALLEE, OR APPROVED EQUAL FIBERGIASS BLANKET INSULATION, HAVING A CONDUCTANCE (G) NO GREATER THAN 3.1.

END OF SECTION

SECTION 15890 (BY OWNER)
TESTING, ADJUSTING AND BALANCING

PART 1 - GENERAL

.10 SPECIAL NOTICE
A. EACH CONTRACTOR SHALL READ ALL RELEVANT DOCUMENTS, BECOME FAMILIAR WITH THE JOB, SCOPE OF WORK.

2. STARTUP TEST AND ADJUSTMENT
A. THE CONTRACTOR WILL BE RESPONSIBLE FOR THE HYAC TEST & BALANCE, WHICH MUST BE PERPORMED BY AN INDEPENDENT BALANCE OCTRITOR WILL BE RESPONSIBLE FOR THE HYAC TEST & BALANCE, WHICH MUST BE PERPORMED BY AN INDEPENDENT BALANCE CONTRACTOR. THE GENERAL CONTRACTOR SHALL SCHEDULE A TENTATIVE T & B DATE A MINIMUM OF 2 WEEKS IN ADVANCE AND CALL IN A CONFIRMED DATE A MINIMUM OF 2 WEEKS IN ADVANCE. THIS WILL BE RECESSARY TO GURANATEE THE TA B WORK ON THE REQUISITED DATE. THIS WORK SHALL BE PERPORMED ATEST. THIS WILL BE NECESSARY TO GURANATEE THE TA B WORK ON THE REQUISITED DATE. THIS WORK SHALL BE PERPORMED ATEST THE HVAC SYSTEM START-UP IS COMPLETED. ALSO GAS AND ELECTRIC POWER MUST BE TURNED ON, EQUIPMENT OPERATIONAL, ALL ITEMS INSTALLED, AND CEILING TILES IN PLACE - PRIOR TO THE TEST AND BALANCE.

B. THE T & B COVERS ALL HEATMON AND AIR-CONDITIONING, AND EXHAUST VENTILATION SYSTEMS A CERTIFIED REPORT SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW.

130 GENERAL
A INQUIRE ABOUT ANY PROBLEMS OR COMPLAINTS.
B COMPAGE MECHANICAL PLANS TO INSTALLED SYSTEM.
C DOCUMENT DESIGN SPECIFICATIONS FOR REPORT
D ENSURE ALL PANS ARE RUNNING POR BALANCE.
E. MEASURE INITIAL BUILDING PR

1.40 INSPECT AND EQUIPMENT A INSPECT AND EQUIPMENT A INSPECT OF AND AND EACH DEFICIENCIES. B RECORD UNIT MAMPLATE DATA. C. CHECK THERMOSTATS FOR PROPER SETTINGS. D. CHECK FOR CORRECT FAN ROTATION E. CHECK CONDITIONS OF FILTERS AND COULS. F. CHECK POSITION OF OUTSIDE AIR DAMPERS. G. CHECK AND CONDENSATE LINESY ALIGNMENT. H. CHECK BLOOMERS OF SWITCHES AND COVERS. J. CHECK AND CONDENSATE LINESY ALIGNMENT. I. CHECK AND CONDENSATE LINESY ALIGNMENT. J. CHECK AND CONDENSATE LINESY ALIGNMENT.

J. SOME THAT PINAL SYSTEM PAGE AND SYSTEM
A MEASURE SUPPLY AND EXHAUST AIR QUANTITIES.
A MEASURE AND SUPPLY FEETURY QUITIDE AIR TEMPERATURES.
C. MEASURE AND SUPPLY FEETURY OF THE AIR TOOLS ECT.
D. MEASURE ALL PRESSURE PROPE AT COILS, CHILLERS, EXC.
E. MEASURE FINAL RIPMS.
P. EVALUATED DUCT SYSTEM DESIGN AND INSTALLATION.
G. ENSURE THAT FINAL SYSTEM DESIGN AND INSTALLATION.
H. RECORD ALL PASS, VERTEY W.W. AMPS, FLOW RATES ECT.
I VERIFY SEQUENCE OF OPERATION.

1. VERRY SEQUENCE OF OFERATION
1. FOR TEST AND BALANCE HEATING COOLING SYSTEM
A MEASURE AHI SUPPLY AND RETURN AIRPLOWS
B. CHECK FOR PRAFTS, HOT/COOLING STORM
C. ADJUST RPM AS NECESSARY TO ACHIEVE DESIGN.
D. CHECK, ACTULAL AIRP SERSUS MOTOR FLA.
E. NOTE ADJUSTMENTS MADE ON PULLEYS.
C. DAMPER AT BRAKKH TAKE OFF'S FIRST AND AT DIFFUSERS SECOND.
H. EVALUATE DUCT SYSTEM DESIGN AND INSTALLATION.
I. EUROVER SIGNIFIC FORTH OF THE STAND AT DIFFUSERS SECOND.
H. EVALUATE DUCT SYSTEM DESIGN AND INSTALLATION.
I. ELEVANCE SIGNIFIC FORTH OF THE STAND AT DIFFUSERS SECOND.
WE AND THE DUCT SYSTEM DESIGN AND INSTALLATION.
I. ELEVANCE DUCT SYSTEM DESIGN AND INSTALLATION.

FINAL REVIEW
AIR AND WATER QUANTITIES SHALL BE BALANCED TO WITHIN + 10% OF DESIGN AS A GENERAL RULE. HOWEVER, IN
AIR AND WATER QUANTITIES MAY REED TO BE ADJUSTED DIFFERENTLY IN ORDER TO ENSURE ACCEPTABLE
CONFERENCES, THE AIR QUANTITIES MAY REED TO BE ADJUSTED DIFFERENTLY IN ORDER TO ENSURE ACCEPTABLE
OF ANY DEFICIENCIES REEDING IMMEDIATE ATTENTION, THE G.C. SHALL HAVE THE MECHANICAL AND ELECTRICAL
OPTIMATORS ON CALL TO PROMPITY OORBET OF ANY SICH PROBLEMS IS REPAIRED BURNED UT MOTORS, RAILED
THERMOSTATS, INCORRECT WIRING, BAD CIRCUIT BREAKERS AND STAFTERS, DIRTY FILESS IN THE EVENT BALANCING
CONTRACTORS TO RESCHIEDULE A POLICY OF THE ACCIDENTAL COST INVOLVED, INCLUDING TRAVEL
ALL DATA REQUIRED BY THESS PECIFICATIONS SHALL BET THE OWN WHITE BOND APPEN IN TRIFLICATE AND
SUBMITTED TO OWNERS REPRESENTATIVE FOR APPROVAL. COMPLETE APPROVAL WILL BE NECESSARY BEFORE FINAL
PAYMENT CAN BE MADE. THE CONTRACTOR SHALL THEN MAKE AVAILABLE SUCH INSTRUMENTS AS ARE REQUIRED FOR
SPOT CHECKS ON THE SYSTEM

PART 2 - PRODUCTS

PART 3 - EXECUTION END OF SECTION

SECTION 15900 (BY OWNER)

PART 1 - GENERAL

1.01 DESCRIPTION
 A. THE WORK CONSISTS OF INSTALLING CONTROLS FOR THE HVAC SYSTEM AS ON THE DRAWINGS

Submittals Provide Submittal consisting of complete control diagrams for the system with construction Details and Engineering Data sheets on all system components

2.02 MANUFACTURER
A. PROVIDE CONTROLS LISTED ON CONTROL DRAWING

1.03 ELECTRICAL.

A ELECTRICAL WORK AND MATERIALS ASSOCIATED WITH THE CONTROL SYSTEM SHALL BE INSTALLED AS WORK OF THIS SECTION BUT IN ACCORDANCE WITH INDUSTRY STANDARD AND THE NATIONAL ELECTRICAL CODE.

B POWER WIRIND PROVIDED BY ELECTRICAL CONTRACTOR.

C. ELECTRICAL CONTROL WIRING CONDUIT AND PITTINGS ASSOCIATED WITH THE SPACE TEMPERATURE AND HUMIDITY CONTROL INCLUDIOS INTERLOCATION WITH MOTOR CONTROLLERS, CONTROL ACCESSORIES AND APPURTENANCES ARE TO BE PROVIDED UNDER THIS SECTION. CONTROL WIRING SHALL BE IN CONDUIT.

NOTE: ALL WIRING MUST BE PLEWING RATED IF NOT IN CONDUIT.

PART 2 - PRODUCTS

2.02 SMOKE DETECTION FAN SHUT-DOWN

A. SMOKE DETECTOR SHALL BE PROVIDED BY AND INSTALLED BY MECHANICAL CONTRACTOR AS SPECIFIED IN THE DRAWINGS

B. REMOTE ALARM INDICATOR FOR DUCT MOUNTED SMOKE DETECTOR SHALL BE BY CONTRACTOR AS SPECIFIED IN THE DRAWINGS.

C. SMOKE DETECTOR SHALL BE POWERED AS SPECIFIED IN DRAWINGS

PART 3 - EXECUTION

3.01 GENERAL

A. ALL WORK SHALL BE INSTALLED IN ACCORDANCE WITH INDUSTRY STANDARDS.

B. CONTROL COMPONENTS SHALL BE OWNER APPROVED.

END OF SECTION

engineering

4083 South U.S. Highway 1, Ste. 101 Rockledge, Florida 32955 Phone 321.633.4522 Fax 321.633.4528 www.ddc-engineers.com dasilva.david@ddc-engineers.com C.O.A.: 25988 DDC PROJECT NO.: 22003.01





REVIEW SET PERMIT SET CONSTRUCTION SET AS BUILT

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KITCHEN/DINING HVAC UNITS AT WOODVILLE ELEMENTARY SCHOOL TALLAHASSEE, FL 32305

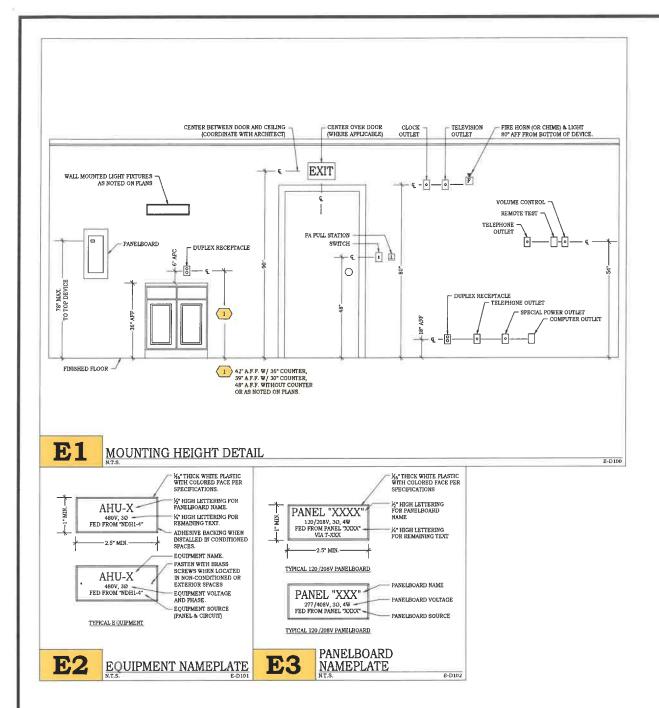
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ELECTRICAL SYMBOLS LEGEND, NOTES, AND SPECIFICAITONS FIRE ALARM **ELECTRICAL SPECIFICATIONS** GENERAL I ALL WORK SHALL BE IN ACCORDANCE WITH THE 2017 NATIONAL ELECTRICAL CODE [N.E.C.], 2020 FLORIDA ENERGY CONSERVATION CODE (7TH EDITION), ALL LOCAL CODES, ORDINANCES, REQULATIONS AND UTILITY POWER AND TELEPHONE COMPANY STANDARDS. ALL WIRE SHALL BE COPPER TYPE "THIN" FOR SIZES UP TO #8 AND TYPE "THW FOR #6 AND LARGER (UNLESS OTHERWISE NOTED), MUNMOW WIRE SIZE SHALL BE #12 AWG. ALL BERNOH AND FEEDER CIRCUITS SHALL BE #12 AWG. BONDED IN ACCORDANCE WITH ARTICLE 250 OF THE N.E.C. TYPE M.T. WITH STEEL COMPRESSION FITTINGS ALL DENOTED IN THE AUTOLITY IN STALLED IN EXTENDED CONTINUED AND SHALL BE SIZED AND BONDED IN ACCORDANCE WITH STEELE CONTINUED IN STALLED IN EXTENSION LOCATIONS, ABOVE GRADE, SHALL BE GALVANIZED RIGID CONDUIT. ALL CONDUIT INSTALLED IN EXTENSION LOCATIONS, ABOVE GRADE, SHALL BE CANANIZED RIGID CONDUIT. ALL CONDUIT BELOW GRADE SHALL BE SCHEDULE 40 PVC. ALL CONDUITS SHALL BE CONCEALED. PHOTOELECTRIC DUCT SMOKE DETECTOR, COMPLIANT WITH NFPA 90A: $6.4.4.2\,$ R=RETURN S=SUPPLY R FIRE ALARM SHUTDOWN RELAY POWER CONNECTORS AND COUPLINGS. ALL CONDUIT INSTALLED IN EXTERIOR LOCATIONS, ABOVE GRADE, SHALL BE CALVANEED RIGID CONDUIT. ALL CONDUIT SHEAD SHALL BE SCHOOL SHALL BE CALVANEED RIGID CONDUIT. ALL CONDUITS SHALL BE CONCEALED. DRAWINGS ARE DIAGRAMMATIC - CONTRACTOR SHALL REFER TO ARCHITECTURAL, CIVIL AND STRUCTURAL DRAWINGS AND FIELD CONDUITORS FOR ALL DIMENSIONS. PERMITS REQUISED. PROVIDE ALL LABOR, MATERIALS, ROUTMENT, CONTRACTOR SHALL OSTAN AND FORESTHER SHALL SHALL BE RECTECAL. WORK, SHAND AND THE DRAWINGS. REVOIDS WORK NOT SPECIFICALLY SHOWN OR SPECIFIED, YET REQUIRED TO HISURE PROPER AND COMPLETE DEPARTOR OF ALL SHOWN OR SPECIFIED, YET REQUIRED TO THIS USE PROPER AND COMPLY WITH ALL APPLICABLE CODES AND REGULATIONS. ANY PENETRATIONS MADE THROUGH A FIRE RATED ASSEMBLY SHALL BE PROPERLY SEALED TO MAINTAIN THE FIRE RATEN OF THE ASSEMBLY PER UL. AND NPA. THE WORK SHALL INCLUDE EXVISIONS, DEMOLITION, MODIFICATIONS AND REWORK OF THE EXISTING FACILITY AND SYSTEMS AS REQUIRED FOR INSTALLATION OF NEW WORK, AND FOR CONNECTIONS BETWEEN EXISTING WORK AND SYSTEMS AS REQUIRED FOR INSTALLATION OF NEW WORK, WHERE EQUIPMENT EXISTING CONDITION THE WORK SHALL INSCLIDE REVISIONS, DEMAIL ALSO BUCLUE THE COMPLETION OF THE EXISTING WORK AND PENCHAPIT OF THE RESISTING WORK AND PENCHAPIT OF THE RESISTING WORK AND PENCHAPIT OF THE RESISTING FACILITY AND SYSTEMS AS REQUIRED THE WORK SHALL AS SECULDED THE CONNECTION SHALL RESISTING CONDITION WORK AND PENCHAPIT OF THE REMOVAL OR CUSTIFIED OF THE RESPONSIBILITY TO MEET EXISTING CONDITION BY PERFORMING THE WORK WORK WORK CANNOT CONTINUE WINDS, SHALL BE RESOURDED AND CONNECTION SETSURED OF THE RESPONSIBILITY TO MEET EXISTING CONDITION BY PERFORMING THE WORK UNDER THIS CONTRACT. WHERE REDWY WORK CANNOT DE BIRSTALLED WITHOUT CHANGES IN EXISTING CONDITIONS PROOF TO BIDDING EXISTING WORK AND EXISTING WORK AND EXISTING WORK AND THE WORK WORK AND STRUCTURE OF THE RESPONSIBILITY TO MEET EXISTING CONDITIONS BY PERFORMING THE WORK WORK UNDER THIS CONTRACT. WHERE REW WORK CANNOT DE BIRSTALLED WITHOU DUPLEX GFI RECEPTACLE HOME RUN SERVICE AND DISTRIBUTION NON-FUSED DISCONNECT SWITCH FUSED DISCONNECT SWITCH BRANCH CIRCUIT PANELBOARD, UNDER 250 VOLTS, RECESSED MOUNTED BRANCH CIRCUIT PANELBOARD, UNDER 250 VOLTS, SURFACE MOUNTED MISCELLANEOUS SHEET NOTE CALLOUT REVISION REFERENCE **(** WIRE CALLOUT NBC. BEFORE PURCHASE OR FABRICATION OF EQUIPMENT AND WITHIN 30 DAYS OF AWARD OF GENERAL CONTRACT, CONTRACTOR SHALL SUBMIT TO THE ARCHITECT/ENGINEER FOR APPROVAL, PDF COPIES OF SHOP DERAWINGS FOR ALL EQUIPMENT, LIGHTING, DEVICES, AND MATERIALS. PARTIAL OR INCOMPLETE SUBMITIALS WILL NOT BE ACCEPTED. ANY MATERIAL USED WITHOUT APPROVAL WILL BE REJECTED. SUBMIT SHOP DRAWINGS TO MECHANICAL AND PLIJMENIC CONTRACTOR FOR APPROVAL AND COCORDINATION. LIGHT DASHED INDICATES EXISTING PIXTURE OR DEVICE DARK DASHED INDICATES EXISTING FIXTURE OR DEVICE RELOCATED ANY MATERIAL USED WITHOUT APPROVAL WILL BE REJECTED. SUBMIT SHOP DRAWNOS TO MECHANICAL AND PLUMBING CONTRACTOR FOR APPROVAL AND COORDINATION OF THE RESPONSIBILITY FOR A PPROVAL AND COORDINATION OF THE RESPONSIBILITY FOR ANY CUTTING OP CONSTRUCTION WHICH IS REQUIRED FOR THE INSTALLATION OF THE RESPONSIBILITY FOR ANY CUTTING AND OF THE OWNER BEFORE ANY CUTTING AND OBTAIN APPROVAL FROM THE ARCHITECT/ENGINEER FRIGR TO ANY CUTTING AND ANY CUTTING AND ANY CUTTING AND SHALL PATCHING, PAUTING AND HIS CONTRACTOR SHALL COORDINATE WITH ALL OTHER TRADES AND THE OWNER BEFORE ANY CUTTING AND SHALL BE SHALL BE BY THE CONTRACTOR. CUTTING SHALL BE DONE WITH EXTERME CARS AND IN SUCH A MANNER THAT THE STRENCH OF THE STRUCTURE WILL NOT BE EXPANDED FOR THE STRENCH OF THE STRUCTURE WILL OF THE CONTRACTOR OF THE ANY OWNER DEPOSITS. THE STRENCH OF THE STRUCTURE WILL OF THE CONTRACTOR OF THE ANY OWNER DEPOSITS OF THE ANY OWNER DEPOSITS. THE STRENCH OF THE STRUCTURE WILL OF THE ANY OWNER DEPOSITS OF THE ANY OWNER OF THE STRENCH OF THE STRUCTURE WILL BE BY THE ANY OWNER OF THE ANY OWNER OF THE STRENCH OF THE STRENCH OF THE STRUCTURE WILL BE BY THE STRENCH AREAS. AND TO PREVENT DESTRUCTION AND THE CUTTING BREAKS ELECTRICAL CIRCUITRY ON THE ANY OWNER DARK SOLID INDICATES NEW FIXTURE OR DEVICE HATCHED ITEMS INDICATES FIXTURE OR DEVICE TO BE REMOVED OR RELOCATED WW. RISER EQUIPMENT NOTES (PNL P) EQUIPMENT TAG ABBREVIATIONS AMPERES ALTERNATING CURRENT OR AIR CONDITIONER KCML THOUSAND OF CIRCULAR MILS KW KLOWATT LICE LICHTING MCM THOUSANDS OF CIRCULAR MILS MCB MAIN CIRCUT BREAKER MCP MOTOR CIRCUT PREAKER MCP MOTOR CIRCUT PROTECTION MCU MASTER OF MOTOR CONTROL UNIT METAL HALIDE MLO MAIN LUG ONLY N PULTBAL AC ALTERNATING CURRENT OR AIR CO ADA AMERICANS W/DISBALINES ACT AFC ABOVE FINISHED FLOOR AFF ABOVE FINISHED FLOOR AFF ABOVE FINISHED GRADE AHU AIR HANDLING UNIT AIC AMPS INTERRIPTING CAPACITY AWG AMERICAN WEE GAUGE C CONDUIT CATV CARLE TELEVISION CH COUNTER HEIGHT COND CONDUIT AND COPERATION IN FOOR THE VERNING RECORD THE WORK SPILED AND SEALED AND SEAL NEUTRAL NOT APPLICABLE CH COUNTER HEIGHT COND COMDUT CU' COPPER OR CONDENSER UNIT DISC DISCONNECT ECH ENCLOSED CIRCUIT BREAKER EF EXHAUST FAN ELEC ELECTRICAL EM EMBROBNCY ENG ENDRY MANAGHENT SYSTEM NATIONAL ELECTRIC CODE NEMA NATIONAL ELECTRICAL MANUFACTURERS ASS. NFPA NATIONAL FIRE PROTECTION ASSOCIATION NOT IN CONTRACT NOT IN COMMAND NIGHT LIGHT ON CENTER POLE PANELBOARD POLYVINYL CHLORIDE RIGID GALVANIZED STEEL ROOM ELEC ELECTRICAL EM EMERGENCY EMS ENERGY MANAGEMENT SYSTEM EMT ELECTRICAL METALLIC TUBING ETR EXISTING TO REMAIN EWC ELECTRIC WATER COOLER EWH ELECTRIC WATER EATER EX EXISTING EXIST EXISTING FA FIRE ALARM FACP FIRE ALARM CONTROL PANEL G GOUND LAYOUT WITHOUT DEFINITE INSTRUCTION IN EACH CASE. PROTECTION THE CONTRACTOR SHALL REPE THE CONSTRUCTION STEE CLEAN OF ALL WASTE MATERIALS AND RUBBISH CAUSED BY PROTECTION. THE CONTRACTOR SHALL REPE THE CONSTRUCTION STEE CLEAN OF ALL WASTE MATERIALS AND RUBBISH CAUSED BY HIS WORK OF REMINIVERS LOPON COMPLETION OF THE WORK AND AT IBMS DURINO PROORESS OF THE WORK WHEN REQUESTED BY THE ASCHIFECT (PRIGHEER, THE CONTRACTOR SHALL REMOVE ALL SURPLUS MATERIALS, RUBBISH, AND DECERT REPORT OF THE WORK OF THE CONTRACT OR SHALL LEAVE THE ENTIRE BULDING AND INVOLVED PORTIONS OF THE SITE, INSOFAR AS THE WORK OF THE COMTRACT IS CONCERNING, BY A NEAT, CLEAN, AND ACCEPTABLE CONDITIONS OF THE SITE, INSOFAR AS THE WORK OF THE COMTRACT IS CONCERNING, HIGHING PRIVILES, MATERIALS AND ACCEPTABLE CONDITIONS OF THE OWN OF THE WORK OF THE CONTRACT OF THE WORK OF THE ROOM TOP UNIT SYPER SAVER OR STAINLESS STEEL TELEPHONE/COMPUTER TERMINAL BOARD G GROUND GET GROUND FAULT INTERRUPTER GND GROUND GROUND GHT GROUND GROUND HVAC HEATING, VENTELATING AND AIR CONDITIONING UON UNLESS OTHERWISE NOTED VOLTS VARIABLE AIR VOLUME VARIABLE FREQUENCY DRIVE WIRE WEATHERPROOF KAIC (THOUSAND) AMPERE INTERRUPTING CAPACITY GENERAL DEMOLITION NOTES A. THE CONTRACTOR SHALL VISIT AND CAREFULLY EXAMINE THOSE PORTIONS OF THE BUILDING AND SITE AFFECTED BY THIS WORK BEFORE SUBMITTING FROPOSAL SO AS TO BECOME PARLILAR WITH EXISTING WORK SUBMISSION OF A PROPOSAL WILL BE CONSTRUED AS BYDINGE THAT SUCH EXAMINATION HAS BEEN MADE AND LATER CLAIMS FOR DISCUSSION OF A PROPOSAL WILL BE CONSTRUED FOR THE THE STANDARD OF THE PROPERTY OF THE SUPPLIES OF THE PROPERTY OF THE GENERAL NOTES ALL ELECTRICAL CONDUTS SHALL CARRY A SEPARATE OREEN INSULATED COPPER WIRE SIZED PER NEC UNLESS OTHERWISE INDICATED IN THE DRAWINGS COORDINATE ELECTRICAL REQUIREMENTS FOR ALL EQUIPMENT TO BE INSTALLED BY OTHER TRADES. WITHIN 30 DAYS AFTER THE DATE OF SYSTEM ACCEPTANCE, RECORD DRAWINGS OF THE ACTUAL INSTALLATION SHALL BE PROVIDED TO THE BULLDING OWNER, INCLUDING A SINCEL LINE DIAGRAM OF THE BULLDING'S ELECTRICAL DISTRIBUTION, AS REQUIRED PER THE 7TH EDITION OF THE FLORINA BULLDING CODE - EMERGY CONSERVATION CAUS. 3.2. AN OFERTING MANUAL BANDAM MAINTEANING MANUAL SHALL BE PROVIDED TO THE BULLDING OWNER, PER 7TH EDITION OF THE PROVIDED TO THE BULLDING OWNER, PER 7TH EDITION OF THE PROVIDED TO THE BULLDING OWNER, PER 7TH EDITION OF THE PROVIDED TO THE BULLDING OWNER, PER 7TH EDITION OF THE PROVIDED TO THE BULLDING OWNER, PER 7TH EDITION OF THE PROVIDED TO THE BULLDING OWNER, PER 7TH EDITION OF THE PROVIDED TO THE BULLDING OWNER, PER 7TH EDITION OF THE PROVIDED TO THE BULLDING OWNER, PER 7TH EDITION OF THE PROVIDED TO THE BULLDING OWNER, PER 7TH EDITION OWNER, PER 7TH E OTHERWISE NOTED. INSTALL AS REQUIRED TO MAINTAIN CONTINUITY TO EXISTING DEWICES AND EQUIPMENT THAT ARE TO REMAIN. ALL EQUIPMENT AND MATERIAL REMOVED AND NOT REUSED SHALL BE TURNED OVER TO THE OWNER OR AT THE OWNERS REQUIRED STEED THE OWNER. AND CEDENG OR ALL ELECTRICAL DEVICES THAT ARE REMOVED SHALL BE REMOVED AS DIESCTED BY THE OWNER. AND CELLING OR ALL ELECTRICAL DEVICES THAT ARE REMOVED SHALL BE REMOVED AS DIESCTED BY A RECLIFECTURED BY SHALL BE PATCHED OR PAINTED AS DIRECTED BY A RECLIFECTURED LORWINGS. ALL EXISTING ELECTRICAL EQUIPMENT IS NOT SHOWN. IT IS THE CONTRACTORS RESPONSIBILITY TO EECOME ALL EXISTING ELECTRICAL SQUIPMENT IS NOT SHOWN. IT IS THE CONTRACTORS RESPONSIBILITY TO EECOME FAMILIAR WITH ALL EXISTING CONDITIONS PRIGOT TO BID, AND INCLUDE IN HIS BID IT HE REMOVAL OF ALL EQUIPMENT, CONDUIT, WHE, ETC. THAT IS NOT BEING REUSED BACK TO ITS SQUIPME. ALL CONCEPTE, WALL PATCHING, CELLING SEPAIR, AND OTHER CEMERAL WORK REQUIRED FOR INSTALLING THE ELECTRICAL SYSTEMS AND TO REPART TO TAKE HEW CONDITION TO BE PROVIDED AND INSTALL ANY ADDITIONAL HANGERS/SUPPORTS REQUIRED TO INSTALL ANY ADDITIONAL HANGERS/SUPPORTS REQUIRED FOR INSTALLING THE RELOCATIONS. PROVIDE AND INSTALL ANY ADDITIONAL HANGERS/SUPPORTS REQUIRED TO COCCUMMONATE ANY EQUIPMENT RELOCATIONS. a) SUBMITTAL DATA STATING EQUIPMENT RATING AND SELECTED OPTIONS FOR EACH PIECE OF EQUIPMENT REQUIRING MAINTENANCE. B) COLUMBE IN MAINTENANCE AMMINISE FOR EACH PIECE OF EQUIPMENT REQUIRING MAINTENANCE. B) COLUMBE IN MAINTENANCE ACTIONS SHALL BE CLEARLY INDESTITEED. C) TAMBES AND ADDRESSES OF AT LEAST ONE QUALIFIED SERVICE ACENCY. PROVIDE FAULT CURRENT MARKER PER NEC 110.74 AND ARCF-LAST DECALS PER NEC 110.16. THIS PROJECT IS IN COMPLIANCE WITH THE DETION PEC-CE 405.5.3 & NEC 21.19 WITH RECARDS TO VOLTAGE DROP FOR BOTH DISTRIBUTION PANEL & DOWNSTREAM BERNCH CIRCUITS. ROYUDE NEW LABELS ON ALL ASSOCIATED EQUIPMENT, DEVICES, ETC., ASSOCIATED WITH NEW AC UNITS. CODE COMPLIANCE REQUIREMENTS RELOCATIONS. COORDINATE ALL CELLING MOUNTED DEVICES WITH ARCHITECTURAL REPLECTED CEILING AND WORK OP ALL OTHER TRACES. FOR NEW ELECTRICAL DEVICES WITHIN EXISTING WALL PARTITIONS, CONTRACTOR SHALL BE PERMITTED TO USE METAL CLAD CABLE. PROVIDE SUBMITTAL PRIOR TO ROUGH-IN. ITEMS NOTED AS EXISTING TO BE REMOVED SHALL BE REMOVED COMPLETE. REMOVAL SHALL INCLUDE CONDUIT AND WIFE BACK TO BRANCH PANEL. POR ALL PARELS AFFECTED BY REMOVATION, CONTRACTOR SHALL TRACK ALL EXISTING CIRCUITS AND REMOVE WIRING AND CONDUIT BACK TO PANEL FOR CIRCUITS NO LONGER IN USE. PROVIDE NEW TYPED PANEL DIRECTORY AND RELABLE ALL DIVISED CIRCUIT BRANCH PANEL. ALL WORK SHALL BE IN COMPLIANCE WITH THE FOLLOWING CODES, BUT NOT LIMITED TO: L WORK SHALL BE IN COMPLIANCE WITH THE FOLLOWING CODES, BUT NOT LIMITED TO: THE BUTION OF THE 2020 FLORIDA BUILDING CODE - BUILDING (FBCE) THE HUTION OF THE 2020 FLORIDA BUILDING CODE - EXISTING BUILDING (FBCE) THE HUTION OF THE 2020 FLORIDA BUILDING CODE - EXESSIBLITY (FBCA) THE BUTION OF THE 2020 FLORIDA BUILDING CODE - EMERCY CONSERVATION (FBCEC) THE BUTION OF THE 2020 FLORIDA BUILDING CODE - FULLMENTG (FBCM) THE BUTION OF THE 2020 FLORIDA BUILDING CODE - FULL CAS [FBCFG] THE BUTION OF THE 2020 FLORIDA BUILDING CODE - FULL CAS [FBCFG] THE BUTION OF THE 2020 FLORIDA FREE PREVENTION CODE [FFPC] NFFA 70 - 2017 MATIONAL ELECTRICAL CODE [MEC) 2014 STATE REQUIREMENTS FOR EDUCATIONAL FACILITIES (SREF) LEON COUNTY SCHOOLS DESIGN STANDARDS Ramon A Regalado DN: L=US o=Florida; A daQualifier=A014100000 00178F59E300D000F6E8 2, ch=Ramon A Regalado Date: 2022.02.18 c

inc.

22003.01

4083 South U.S. Highway 1, Ste. 101 Rockledge, Florida 32955 Phone 321.633.4522 Fax 321.633.4528

LEWIN COUNTY SCHOOLS

FEBRUARY 18, 2022

............

REPLACEMENT OF
KITCHEN/DINING HVAC UNITS AT
WOODVILLE ELEMENTARY SCHOOL
PALLAHASSEB, FL 22305

SHEET NO. E-1

Digitally signed by

14:29:30 05:00

DRAWN:

SPECIFICATIONS

NOTES,

LEGEND,

CTRICAL

www.ddc-engineers.com dasilva.david@ddc-engineers.com

C.O.A.: 2598

REVIEW SE

PERMIT SET

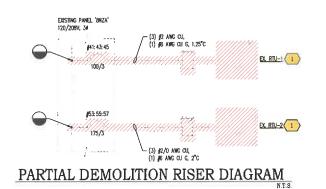
CONSTRUCTION SET

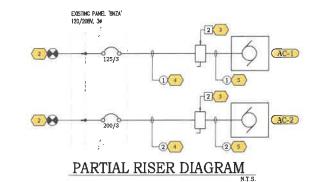
BID SET

AS BUILT

DDC PROJECT NO.:

Page 8 of 9





RISER EQUIPMENT NOTES

WIRE AND CONDUIT SCHEDULE

(3) #1 AWG CU, (1) #6 AWG CU G, 1.5°C (3) #3/0 AWG CU, (1) #6 AWG CU G, 2°C

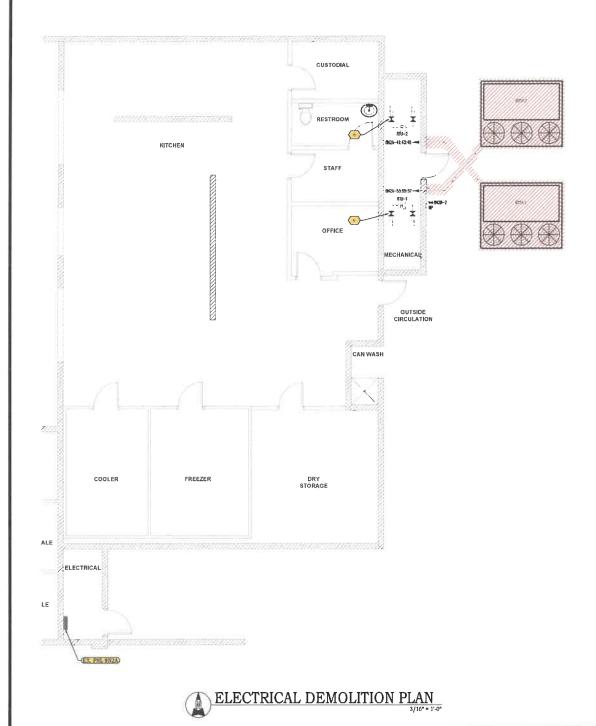
PLAN NOTES

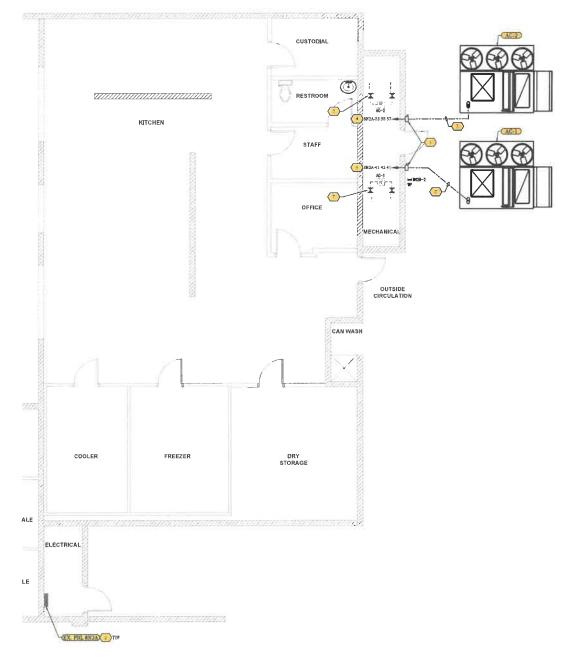
- EXISTING RTU SHALL BE REMOVED. REMOVE ALL ASSOCIATED DEVICES, PEEDERS, CONDUITS, CIRCUIT BREAKERS, ETC., BACK TO SOURCE PANEL.
- PROVIDE AND INSTALL NEW HACR RATED, SIZED AS SHOWN ON RISER, 3-POLP PANEL MATCHING CIRCUIT BREAKER WITHIN EXISTING 8Q-D, PANEL SREA, TO SERVE NEW ACCS. ALC RATING OF NEW CIRCUIT BREAKERS SHALL MATCH OR EXCEED ALC RATING OF EXISTING CIRCUIT BREAKERS.
- PROVIDE AND INSTALL NEW NON-FUSED DISCONNECT TO SERVE NEW AC UNITS.

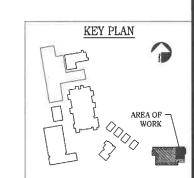
- CONNECT EXISTING FIRE ALARM SYSTEM TO NEW AC UNITS EXTEND EXISTING CONDUIT AND FEEDERS, OR PROVIDE NEW, AS REQUIRED. CONTRACTOR SHALL TEST SYSTEM AFFER INSTALLATION AND PROVIDE REPORT TO OWHER & ENGINEER.

NOTE:

CONTRACTOR SHALL PROVIDE ALTERNATE BID TO REUSE EXISTING CONDUITS IF THEY ARE PROPERLY SIZED AND IN GOOD CONDITION.







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C.O.A.: 2598
DDC PROJECT NO.: 22003 01

LEGIT COUNTY SCHOOLS



FEBRUARY 18, 2022

PERMIT SET BID SET CONSTRUCTION SET AS BUILT

KITCHEN/DINING HVAC UNITS AT WOODVILLE ELEMENTARY SCHOOL TALKAHASSEE, FL 32305

Digitally signed by Ramon A Regaladoca DN G-US, 0=Florida dr Qualifer=A01410.860 001.38F59E300D000f6332 , cn=Ramon A Regalado Date: 2022.02.18 14 31.06

Page 9 of 9 ELECTRICAL PLAN
3/16*-11-0*