

**Lee County Board of County Commissioners
DIVISION OF PROCUREMENT MANAGEMENT**

**Invitation to Bid (B)
Construction**

Solicitation No.: **B180100GWT**

Solicitation
Name:

**Melvin Morgan Constitutional Complex Air Handler
Unit**

Open

Date/Time:

5/21/2018

Time: **2:30 PM**

Location:

Lee County Procurement Management
1500 Monroe Street 4th Floor
Fort Myers, FL 33901

Procurement

Contact:

Geoff Thomas

Title Procurement Analyst

Phone:

(239) 533-8839

Email:

gthomas@leegov.com

Requesting Dept. Facilities Construction & Management

Pre-Bid Conference:

Type: Mandatory

Date/Time: **4/27/2018 9:00 AM**

Location: Procurement: Public Works Building, 1500 Monroe St 4th Floor, Fort Myers, FL 33901

**All solicitation documents are available for download at
www.leegov.com/procurement**

Electronic bidding is coming! Visit www.leegov.com/bid to stay informed

Notice to Bidder

Invitation to Bid #B180100GWT Melvin Morgan Constitutional Complex Air Handler Unit
Invitation to Bid (B) Construction

Lee County, Florida, is requesting bids from qualified individuals/firms for

Melvin Morgan Constitutional Complex Air Handler Unit

Then and there to be publicly opened and read aloud for the purpose of selecting a vendor to furnish all necessary labor, services, materials, equipment, tools, consumables, transportation, skills and incidentals required for Lee County, Florida, in conformance with solicitation documents, which include technical specifications and/or a scope of work.

Those individuals/firms interested in being considered for this solicitation are instructed to submit, in accordance with specifications, their Bids, pertinent to this project prior to

2:30 PM Monday, May 21, 2018

to the office of the **Procurement Management Director, 1500 Monroe Street, 4th Floor, Fort Myers, Florida 33901**. The Invitation to Bid shall be received in a sealed envelope, prior to the time scheduled to receive Bid(s), and shall be clearly marked with the solicitation name, solicitation number, bidder name, and contact information as identified in these solicitation documents.

The Scope of Work/Specifications for this solicitation is available from www.leegov.com/procurement. Bidders who obtain Scope of Work/Specifications from sources other than www.leegov.com/procurement are cautioned that the solicitation package may be incomplete. The County's official bidders list, addendum(s) and information must be obtained from www.leegov.com/procurement. It is the bidder's responsibility to check for posted information. The County may not accept incomplete Bids.

A MANDATORY Pre-Bid Conference has been scheduled for the following time and location:

9:00 AM April 27, 2018 Public Works Building, 4th Floor for the purpose of discussing the proposed project. Prospective bidders are encouraged to attend. All prospective bidders are encouraged to obtain and review plans, specifications, and scope of work for this bid before the pre-bid conference so that they may be prepared to discuss any question or concerns they have regarding this project. A site visit may follow the pre-bid conference. Questions regarding this solicitation are to be directed, in writing, to the individual listed below using the email address listed below or faxed to (239) 485 8383 during normal working hours.

Geoff Thomas gthomas@leegov.com

Sincerely,



Mary G. Tucker, CPPO, FCCM, FCCN
Procurement Management Director

*WWW.leegov.Com/Procurement is the County's official posting site

Terms and Conditions
INVITATION TO BID (B)
CONSTRUCTION

1 **DEFINITIONS**

- 1.1 **Addendum/Addenda:** A written change, addition, alteration, correction or revision to a bid, proposal or contract Agreement/Contract. Addendum/Addenda may be issued following a pre-bid/pre-proposal conference or as a result of a specification or work scope change to the solicitation.
- 1.2 **Approved Alternate:** Solicitation documents may make reference of specific manufacturer(s) or product(s). These references serve only as a recommendation and a guide to minimum quality and performance. The references are not intended to exclude approved alternatives of other manufacturer(s) or product(s).
- 1.3 **Bid/Proposal Package:** A bid/proposal is a document submitted by a vendor in response to some type of solicitation to be used as a basis for negotiations or for entering into a contract.
- 1.4 **Bidder/Responder/Proposer:** One who submits a response to a solicitation.
- 1.5 **County:** Refers to Lee County Board of County Commissioners.
- 1.6 **Due Date and Time/Opening:** Is defined as the date and time upon which a bid or proposal shall be submitted to the Lee County Procurement Management Division. Only bids or proposals received prior to the established date and time will be considered.
- 1.7 **Liquidated Damages:** Damages paid usually in the form of monetary payment, agreed by the parties to a contract which are due and payable as damages by the party who breaches all or part of the contract. May be applied on a daily basis for as long as the breach is in effect.
- 1.8 **Procurement Management:** shall mean the Director of Lee County's Procurement Management Department or designee.
- 1.9 **Responsible:** A vendor, business entity or individual who is fully capable to meet all of the requirements of the bid/proposal solicitation documents and subsequent contract. Must possess the full capability including financial and technical, to perform as contractually required. Must be able to fully document the ability to provide good faith performance.
- 1.10 **Responsive:** A vendor, business entity or individual who has submitted a bid or request for proposal that fully conforms in all material respects to the bid/proposal solicitation documents and all of its requirements, including all form and substance.
- 1.11 **Solicitation:** An invitation to bid, a request for proposal, invitation to negotiate or any document used to obtain bids or proposals for the purpose of entering into a contract.

2 **ORDER OF PRECEDENCE**

- 2.1 In resolving conflicts, errors, and discrepancies, the order of precedence of the bid document is as follows
 - 2.1.1 Florida State Law as applied to Municipal Purchasing in accordance with Title XIX, "Public Business", Chapter 287 "Procurement of Personal Property and Services."
 - 2.1.2 Lee County Procurement Management Manual and Ordinances
 - 2.1.3 Change Order
 - 2.1.4 Agreement
 - 2.1.5 Addenda
 - 2.1.6 Special Conditions
 - 2.1.7 General Conditions, if any
 - 2.1.8 Specifications
 - 2.1.9 Supplemental Information
 - 2.1.10 Drawings/Plans, if any
 - 2.1.11 Figure Dimensions, if any
 - 2.1.12 Scale Dimensions (Large Scale Drawings supersede Small Scale Drawings)
 - 2.1.13 Terms and Conditions

3 **RULES, REGULATIONS, LAWS, ORDINANCES AND LICENSES**

- 3.1 It shall be the responsibility of the bidder to assure compliance with all other federal, state, or county codes, rules, regulations or other requirements, as each may apply. Any involvement with the Lee County shall be in accordance with but not limited to:
 - 3.1.1 Lee County Procurement Management Manual
 - 3.1.2 Pursuant to FL § Section 119.071, Public Records, General exemptions from inspection or copying of public records. Sealed bids, proposals or replies received by the agency pursuant to a solicitation are exempt from public records request (s. 119.07(1) and s. 24(a), Art. I, of the State Constitution until such time as the agency provides notice of an intended decision or until 30 days after opening the bids, proposals or final replies, whichever is earlier.
 - 3.1.3 FL § 215 regarding scrutinized companies and business operations.
 - 3.1.4 FL § 218 Public Bid Disclosure Act.
 - 3.1.5 Florida State Law as applied to Municipal Purchasing in accordance with Title XIX, "Public Business", Chapter 287 "Procurement of Personal Property and Services."
 - 3.1.6 FL § 337.168 Confidentiality of official estimates, identities of potential bidders, and bid analysis and monitoring system.
 - 3.1.7 FL § Section 607.1501(1) states: A foreign corporation may not transact business in the State of Florida until it obtains a certificate of authority from the Department of State.
- 3.2 **Local Business Tax Account:** As applicable, anyone providing merchandise or services to the public within the jurisdiction of Lee County must obtain a Lee County business tax account to operate unless specifically exempted.
- 3.3 **License(s):** Bidder should provide, at the time of the opening of the bid, licenses required for this product and/or service.

4 BID – PREPARATION OF SUBMITTAL

- 4.1 **Sealed Bid:** Submission must be in a sealed envelope/box, and the outside of the submission must be marked with the following information (Sealed Bid Label Form is attached for your use):
 - 4.1.1 Marked with the words "Sealed Bid"
 - 4.1.2 Bid Number
 - 4.1.3 Bid Title
 - 4.1.4 Bid Due Date
 - 4.1.5 Name of the firm submitting the bid
 - 4.1.6 Contact e-mail and telephone number
- 4.2 **Bid submission shall include:**
 - 4.2.1 Provide two (2) hard copies. Mark each: one "Original", one "Copy"
 - 4.2.2 Provide one (1) electronic CD ROM or flash drive set of the entire submission documents.
 - 4.2.3 Electronic submission document is to be one single Adobe PDF file in the same order as the original hard copy.
 - 4.2.4 Limit the color and number of images to avoid unmanageable file sizes.
 - 4.2.5 Use rewritable CD ROM and do not lock files.
- 4.3 **Submission Format:**
 - 4.3.1 Required Forms: complete and return **all** required forms. If the form is not applicable please return with "Not Applicable" or "N/A" in large letters across the form.
 - 4.3.2 Failure to submit required or requested information may result in the bidder being found non-responsive.
 - 4.3.3 Execution of Bid: All documents must be properly signed by corporate authorized representative, witnessed, and where applicable corporate and/or notary seals affixed. All Bids shall be typed or printed in ink. The bidder may not use erasable ink. All corrections made to the bids shall be initialed.
 - 4.3.4 If a cost/bid schedule was provided in Microsoft Excel format, the returned completed schedule should be included as a Microsoft Excel File on the CD ROM or Flash drive.
 - 4.3.5 The submission should not contain links to other web pages.

- 4.3.6 Include any information requested by the County necessary to analyze your bid, i.e., required submittals, literature, technical data, financial statements.
- 4.3.7 Bid Security/Bond(s), as applicable (Construction projects)
- 4.4 **Preparation Cost:** The Bidder is solely responsible for any and all costs associated with responding to this solicitation. No reimbursement will be made for any costs associated with the preparation and submittal of any bid, or for any travel and per diem costs that are incurred by any Bidder.

5 RESPONSES RECEIVED LATE

- 5.1 It shall be the Bidder's sole responsibility to deliver the bid submission to the Lee County Procurement Management Division prior to or on the time and date stated. All references to date and time herein reference Lee County, FL local time.
- 5.2 Any bids received after the stated time and date will not be considered. The bid shall not be opened at the public opening. Arrangements may be made for the unopened bid to be returned at the bidder's request and expense.
- 5.3 The Lee County Procurement Management Division shall not be responsible for delays caused by the method of delivery such as, but not limited to; internet, United States Postal Service, overnight express mail service(s), or delays caused by any other occurrence.

6 BIDDER REQUIREMENTS (unless otherwise noted)

- 6.1 **Responsive and Responsible:** Only bids received from responsive and responsible bidders will be considered. The County reserves the right before recommending any award to inspect the facilities and organization; or to take any other necessary action, such as background checks, to determine ability to perform is satisfactory, and reserves the right to reject submission packages where evidence submitted or investigation and evaluation indicates an inability for the bidder to perform.
 - 6.1.1 Bids may be declared "non-responsive" due to omissions of "Negligence or Breach of Contract" on the disclosure form. Additionally, bidders may be declared "not responsible" due to past or pending lawsuits that are relevant to the subject procurement such that they call into question the ability of the bidder to assure good faith performance. This determination may be made by the Procurement Management Director, after consulting with the County Attorney.
 - 6.1.2 Additional sources may be utilized to determine credit worthiness and ability to perform.
 - 6.1.3 Any bidder or sub-contractor that will have access to County facilities or property may be required to be screened to a level that may include, but is not limited to fingerprints, statewide criminal. There may be fees associated with these procedures. These costs are the responsibility of the bidder or sub-contractor.
- 6.2 **BID--Past Performance:** Bidders past performance and prior dealings with Lee County (i.e., failure to meet specifications, poor workmanship, late delivery, etc.) may be reviewed. Poor or unacceptable past performance may result in bidder disqualification.
- 6.3 Submission packages, unless otherwise noted, will be considered only from bidders normally engaged in the provision of the services specified here in. The bidder shall have adequate organization, facilities, equipment, and personnel to ensure prompt and efficient service to Lee County. The County reserves the right before recommending any award to inspect the facilities and organization; or to take any other action necessary to determine ability to perform satisfactorily, and reserves the right to reject submission packages where evidence submitted or investigation and evaluation indicated an inability of the bidder to perform.

7 PRE-BID CONFERENCE

- 7.1 A pre-bid conference will be held in the location, date, and time specified on the cover of this solicitation. The cover will also note if the pre-bid conference is Non-Mandatory or Mandatory. All questions and answers are considered informal. All prospective bidders are encouraged to obtain and review the solicitation documents prior to the pre-bid conference so they may be prepared to discuss any questions or concerns they have concerning this project. All questions must be submitted formally in writing to the procurement staff noted on the first page of the bid document. A formal response will be provided in the

form of an addendum (see "County Interpretation/Addendums" for additional information.) A site visit may follow the pre-bid conference, as applicable.

7.2 **Non-Mandatory:** Pre-bid conferences are generally non-mandatory, but it is highly recommended that prospective bidders participate.

7.3 **Mandatory:** Failure to attend a mandatory pre-bid conference will result in the bid being considered **non-responsive**.

8 COUNTY INTERPRETATION/ADDENDUMS

8.1 Each Bidder shall examine the solicitation documents and shall judge all matters relating to the adequacy and accuracy of such documents. Any inquiries, suggestions or requests concerning interpretation, clarification or additional information pertaining to the solicitation shall be **submitted in writing prior to 5:00 PM at least eight (8) calendar days prior to the date when the submission is due.**

8.2 Response(s) will be in the form of an Addendum posted on www.leegov.com/procurement. It is solely the bidder's responsibility to check the website for information. No notifications will be sent by Lee County Procurement Management Division.

8.3 All Addenda shall become part of the Contract Documents.

8.4 The County shall not be responsible for oral interpretations given by any County employee, representative, or others. Interpretation of the meaning of the plans, specifications or any other contract document, or for correction of any apparent ambiguity, inconsistency or error there in, shall be in writing. Issuance of a written addendum by the County's Procurement Management Division is the only official method whereby interpretation, clarification or additional information can be given.

9 QUALITY GUARANTEE/WARRANTY (as applicable)

9.1 Bidder will guarantee their work without disclaimers, unless otherwise specifically approved by the County, for a minimum of twelve (12) months from the date of final completion.

9.2 Unless otherwise specifically provided in the specifications, all equipment and materials and articles incorporated in the work covered by this contract shall be new, unused and of the most suitable grade for the purpose intended. Refurbished parts or equipment are not acceptable unless otherwise specified in the specifications. All warranties will begin from the date of final completion.

9.3 Unless otherwise specifically provided in the specifications, the equipment must be warranted for twelve (12) months, shipping, parts and labor. Should the equipment be taken out of service for more than forty-eight (48) hours to have warranty work performed, a loaner machine of equal capability or better shall be provided for use until the repaired equipment is returned to service at no additional charge to the County.

9.4 If any product does not meet performance representation or other quality assurance representations as published by manufacturers, producers or distributors of such products or the specifications listed, the vendor shall pick up the product from the County at no expense to the County. The County reserves the right to reject any or all materials, if in its judgment the item reflects unsatisfactory workmanship or manufacturing or shipping damage. The vendor shall refund, to the County, any money which has been paid for same.

10 SUBSTITUTION(S)/APPROVED ALTERNATE(S)

10.1 Unless otherwise specifically provided in the specifications, reference to any equipment, material, article or patented process, by trade name, brand name, make or catalog number, shall be regarded as establishing a standard of quality and shall not be construed as limiting competition. If a bidder wishes to make a substitution in the specifications, the bidder shall furnish to the County, **no later than ten (10) business days prior to the bid opening date**, the name of the manufacturer, the model number, and other identifying data and information necessary to aid the County in evaluating the substitution. Such information is submitted through the Procurement Management Division. Any such substitution shall be subject to County approval through the issuance of a written addendum by the County's Procurement Management Division. Substitutions shall be approved only if determined by the County to be an **Approved Alternate** to the prescribed specifications.

- 10.2 A bid containing a substitution is subject to disqualification if the substitution is not approved by the County. Items bid must be identified by brand name, number, manufacturer and model, and shall include full descriptive information, brochures, and appropriate attachments. Brand names are used for descriptive purposes only. An Approved Alternate product or service may be used.
- 11 NEGOTIATED ITEMS
- 11.1 Any item not outlined in the Scope of Work/Specifications may be subject to negotiations between the County and the successful bidder.
- 11.2 After award of this bid the County reserves the right to add or delete items/services at prices to be negotiated at the time of addition or deletion.
- 11.3 At contract renewal time(s) or in the event of significant industry wide market changes, the County may negotiate justified adjustments such as price, terms, etc., if in its sole judgment, the County considers such adjustments to be in their best interest.
- 12 ERRORS, OMISSIONS, CALCULATION ERRORS (as applicable)
- 12.1 **Calculation Errors:** In the event of multiplication/addition error(s), the unit price shall prevail. Written prices shall prevail over figures where applicable. All bids will be reviewed mathematically and corrected, if necessary, using these standards, prior to further evaluation.
- 13 CONFIDENTIALITY
- 13.1 Bidders should be aware that all submissions provided are subject to public disclosure and will not be afforded confidentiality, unless provided by Chapter 119 FL §.
- 13.2 If information is submitted with a bid that is deemed "Confidential" the bidder must stamp those pages of the submission that are considered confidential. The bidder must provide documentation as to validate why these documents should be declared confidential in accordance with Chapter 119, "Public Records," exemptions.
- 13.3 Lee County will not reveal engineering estimates or budget amounts for a project unless required by grant funding or unless it is in the best interest of the County. According to FL § 337.168: A document or electronic file revealing the official cost estimate of the department of a project is confidential and exempt from the provisions of s. 119.07(1) until the contract for the project has been executed or until the project is no longer under active consideration.
- 14 BID -- CONFLICT OF INTEREST
- 14.1 **Business Relationship Disclosure Requirement:** The award hereunder is subject to the provisions of Chapter 112, Public Officers and Employees: General Provisions, Florida Statutes. All bidders must disclose with their submission the name of any officer, director or agent who is also an employee of the Lee County or any of its agencies. Further, all bidders must disclose the name of any County employee who owns directly or indirectly, an interest of five percent (5%) or more in the bidder's firm or any of its branches.
- 15 ANTI-LOBBYING CLAUSE (Cone of Silence)
- 15.1 Following FL § Section 287.057(23), Upon the issuance of the solicitation, prospective proposers/bidders or any agent, representative or person acting at the request of such proposer/bidder shall not have any contact, communicate with or discuss any matter relating in any way to the solicitation with any Commissioner, Evaluation Review Committee, agent or employee of the County other than the Procurement Management Director or their designee. This prohibition begins with the issuance of any solicitation, and ends upon execution of the final contract or when the solicitation has been cancelled. **If it is determined that improper communications were conducted, the Bidder/Proposer may be declared non-responsible.**
- 16 DRUG FREE WORKPLACE
- 16.1 Lee County Board of County Commissioners encourages Drug Free Workplace programs.

- 17 DISADVANTAGED BUSINESS ENTERPRISE (DBE)
- 17.1 The County encourages the use of Disadvantaged Business Enterprise Bidder(s) as defined and certified by the State of Florida Department of Transportation (DBE).
- 17.2 As requested in the required forms the Bidder is required to indicate whether they and/or any proposed sub-contractor(s) are Disadvantaged Business Enterprises (DBE). Lee County encourages the utilization and participation of DBEs in procurements, and evaluation proceedings will be conducted within the established guidelines regarding equal employment opportunity and nondiscriminatory action based upon the grounds of race, color, sex or national origin. Interested certified Disadvantaged Business Enterprise (DBE) firms as well as other minority-owned and women-owned firms, as defined and certified by the State of Florida Office of Supplier Diversity (Minority), are encouraged to respond.
- 18 ANTI-DISCRIMINATION/EQUAL EMPLOYMENT OPPORTUNITY
- 18.1 The bidder agrees to comply, in accordance with FL § 287.134, 504 of the Rehabilitation Act of 1973 as amended, the Americans with Disabilities Act of 1990 (ADA), the ADA Amendments Act of 2008 (ADAAA) that furnishing goods or services to the County hereunder, no person on the grounds of race, religion, color, age, sex, national origin, disability or marital status shall be excluded from participation in, denied the benefits of, or otherwise be subjected to discrimination.
- 18.2 The bidder will not discriminate against any employee or applicant for employment because of race, religion, color, age, sex, national origin, disability or marital status. The bidder will make affirmative efforts to ensure that applicants are employed and that employees are treated during employment without regard to their race, religion, color, age, sex, national origin, disability or marital status.
- 18.3 The bidder will include the provisions of this section in every sub-contract under this contract to ensure its provisions will be binding upon each sub-contractor. The bidder will take such actions in respect to any sub-contractor, as the contracting agency may direct, as a means of enforcing such provisions, including sanctions for non-compliance.
- 18.4 An entity or affiliate who has been placed on the State of Florida's Discriminatory Vendor List (This list may be viewed by going to the Department of Management Services website at <http://www.dms.myflorida.com>) may not submit a bid on a contract to provide goods or services to a public entity, may not submit a bid on a contract with a public entity for the construction or repair of a public building or public work, may not submit bids on leases of real property to a public entity, may not award or perform work as a vendor, supplier, sub-contractor, or consultant under contract with any public entity, and may not transact business with any public entity.
- 19 SUB-CONTRACTOR
- 19.1 The use of sub-contractors under this solicitation requires prior written authorization from the County representative.
- 20 BID - PROJECT GUIDELINES (as applicable)
- 20.1 The County has established the following Guidelines, Criteria, Goals, Objectives, Constraints, Schedule, Budget and or Requirements which shall service as a guide to the bidder(s) in conforming to the provision of goods and/or services to be provided pursuant to this Agreement/Contract:
- 20.1.1 No amount of work is guaranteed upon the execution of an Agreement/Contract.
- 20.1.2 Rates and all other negotiated expenses will remain in effect throughout the duration of the Agreement/Contract period.
- 20.1.3 This contract does not entitle any bidder to exclusive rights to County Agreement/Contracts/contracts. The County reserves the right to perform any and all available required work in-house or by any other means it so desires.
- 20.1.4 In reference to vehicle travel, mileage and man-hours spent in travel time, is considered incidental to the work and not an extra compensable expense.
- 20.1.5 Lee County reserves the right to add or delete, at any time, and or all material, tasks or services associated with this Agreement/Contract.

- 20.1.6 **Any Single Large Project:** The County, in its sole discretion, reserves the right to separately solicit any project that is outside the scope of this solicitation, whether through size, complexity or the dollar value.

21 BID – TIEBREAKER

- 21.1 Whenever two or more Bids, which are equal with respect to price, quality and service, are received for procurement of commodities or contractual services, from Responsive and Responsible Bidders, the following steps shall be taken to establish the Award to the lowest Bidder. This method shall be used for all ties.
- 21.1.1 **Step 1 - Local Bidder:** Between a Local Bidder, and a non-Local Bidder, a Contract Award, or the first opportunity to negotiate, as applicable, shall be made to the Local Bidder. **If local preference is prohibited by the funding source then step 2 will replace step 1.**
- 21.1.2 **Step 2 - Drug Free Workplace:** At the conclusion of step 1, if all is equal, the Bidder with a Drug Free Workplace program shall be given preference over a Bidder with no Drug Free Workplace program. The Contract Award, or the first opportunity to negotiate, as applicable, shall be made to the Bidder with the Drug Free Workplace program.
- 21.1.3 **Step 3 - Coin Flip:** At the conclusion of Step 1 and Step 2, if all is equal, the Contract Award, or the first opportunity to negotiate, as applicable, the final outcome shall be determined by the flip of a coin.
- 21.2 When the tie has been broken pursuant to the above procedures, the Contract Award, or the first opportunity to negotiate, as applicable, shall be furnished to the prevailing Bidder.
- 21.3 If an Award or negotiation is unsuccessful with the initial Bidder, Award or negotiations may commence with the next highest Bidder, utilizing the tiebreaker steps above to make the determination of next lowest Bidder, if necessary.

22 WITHDRAWAL OF BID

- 22.1 No bid may be withdrawn for a period of **180 calendar days** after the scheduled time for receiving submissions. A bid may be withdrawn prior to the solicitation opening date and time. Withdrawal requests must be made in writing to the Procurement Management Director, who will approve or disapprove the request.
- 22.2 A bidder may withdraw a submission any time prior to the opening of the solicitation.
- 22.3 After submissions are opened, but prior to award of the contract by the County Commission, the Procurement Management Director may allow the withdrawal of a bid because of the mistake of the bidder in the preparation of the submission document. In such circumstance, the decision of the Procurement Management Director to allow the submission withdrawal, although discretionary, shall be based upon a finding that the bidder, by clear and convincing evidence, has met each of the following four tests:
- 22.3.1 The bidder acted in good faith in submitting the bid,
- 22.3.2 The mistake in bid preparation that was of such magnitude that to enforce compliance by the bidder would cause a severe hardship on the bidder,
- 22.3.3 The mistake was not the result of gross negligence or willful inattention by the bidder; and
- 22.3.4 The mistake was discovered and was communicated to the County prior to the County Commission having formally awarded the Agreement/Contract.

23 PROTEST RIGHTS

- 23.1 Any bidder that has submitted a formal response to Lee County, and who is adversely affected by an intended decision with respect to the award, has the right to protest an intended decision posted by the County as part of the solicitation process.
- 23.2 “Decisions” are posted on the Lee County Procurement Management Division website. Bidders are solely responsible to check for information regarding the solicitation. (www.leegov.com/procurement)
- 23.3 Refer to the “Bid/Proposal Protest Procedure” section of the Lee County “Contracts Manual” for the complete protest process and requirements. The Manual is posted on the Lee County website or may be obtained by contacting the Procurement Management Director.

- 23.4 In order to preserve the right to protest, a written ***“Notice Of Intent To File A Protest”*** must be filed with the Lee County Procurement Management Director by 4:00 PM on the 3rd working day after the decision affecting your rights is posted on the Lee County website.
- 23.4.1 The notice must clearly state the basis and reasons for the protest.
- 23.4.2 The notice must be physically received by the Procurement Management Director with-in the required time frame. No additional time will be granted for mailing.
- 23.5 To secure the right to protest a **“Protest Bond”** and written ***“Formal Protest”*** document must be filed **within 10 calendar days** after the date of ***“Notice of Intent to File a Protest”*** is received by the Procurement Management Director.
- 23.6 **Failure to follow the protest procedures requirement within the time frames as prescribed herein and established by the Lee County Board of County Commissioners, Florida, shall constitute a waiver of the right to protest and bar any resulting claims.**

24 AUTHORITY TO UTILIZE BY OTHER GOVERNMENT ENTITIES

- 24.1 This opportunity is also made available to any government entity. Pursuant to their own governing laws, and subject to the Agreement/Contract of the vendor, other entities may be permitted to make purchases at the terms and conditions contained herein. Lee County Board of County Commissioners will not be financially responsible for the purchases of other entities from this solicitation.

25 CONTRACT ADMINISTRATION

25.1 Designated Contact:

- 25.1.1 The awarded bidder shall appoint a person(s) to act as a primary contact for all County departments. This person or back-up shall be readily available during normal working hours by phone or in person, and shall be knowledgeable of the terms and procedures involved.
- 25.1.2 Lee County requires the awarded bidder to provide the name of a contact person(s) and phone number(s) which will afford Lee County access 24 hours per day, 365 days per year, of this service in the event of major breakdowns or natural disasters.

25.2 BID – Term: (unless otherwise stated in the Scope of Work or Detailed Specifications)

- 25.2.1 Unless otherwise stated in the scope of work, specifications, or special conditions the default **contract term shall be one (1) year with three (3), one (1) year renewals for a total of four (4) years upon mutual written agreement of both parties.**
- 25.2.2 The County reserves the right to renew this Agreement/Contract (or any portion thereof) and to negotiate pricing as a condition for each.
- 25.2.3 The County’s performance and obligation to pay under this contract, and any applicable renewal options, is contingent upon annual appropriation of funds.

25.3 BID – Basis of Award:

- 25.3.1 The bid is awarded under a system of sealed, competitive bidding to the lowest responsive and responsible bidder.
- 25.3.2 In the event the lowest responsible and responsive bid for a project exceeds the available funds the County may negotiate an adjustment of the bid price with the lowest responsible and responsive bidder, in order to bring the total cost of the project within the amount of available funds.
- 25.3.3 The County reserves the right to make award(s) by individual item, group of items, all or none, or a combination thereof. The County reserves the right to reject any and all bids or to waive any minor irregularity or technicality in the bids received. Award will be made to the lowest responsible and responsive bidder(s) within the category chosen for basis of award.
- 25.3.4 The County reserves the right to award to one or multiple bidders at the discretion of the requesting authority and approval of the Procurement Management Director.

25.4 Agreement/Contracts/Contracts:

- 25.4.1 The awarded bidder will be required to execute an Agreement/Contract as a condition of award. A sample of this document may be viewed on-line at <http://www.leegov.com/procurement/forms>.

25.5 **Records:**

25.5.1 Retention: The bidder shall maintain such financial records and other records as may be prescribed by Lee County or by applicable federal and state laws, rules and regulations. Unless otherwise stated in the specifications, the bidder shall retain these records for a period of five years after final payment, or until they are audited by Lee County, whichever event occurs first.

25.5.2 Right to Audit/Disclosure: These records shall be made available during the term of the contract as well as the retention period. These records shall be made readily available to County personnel with reasonable notice and other persons in accordance with the Florida General Records Schedule. Awarded Bidder/Proposer(s) are hereby informed of their requirement to comply with FL §119 specifically to:

25.5.2.1 Keep and maintain public records required by the County to perform the service.

25.5.2.2 Upon request from the County's custodian of public records, provide the County 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 or as otherwise provided by law.

25.5.2.3 Ensure that public records that are exempt or confidential and exempt from public records disclosure requirements are not disclosed except as authorized by law for the duration of the contract term and following completion of the contract if the contractor does not transfer the records to the County.

25.5.2.4 Upon completion of the contract, transfer, at no cost, to the County all public records in possession of the contractor or keep and maintain public records required by the County to perform the service. If the contractor transfers all public records to the County upon completion of the contract, the contractor shall destroy any duplicate public records that are exempt or confidential and exempt from public records disclosure requirements. If the contractor keeps and maintains public records upon completion of the contract, the contractor shall meet all applicable requirements for retaining public records. All records stored electronically must be provided to the County, upon request from the County's custodian of public records, in a format that is compatible with the information technology systems of the County.

25.5.3 Public Record: **IF THE VENDOR HAS QUESTIONS REGARDING THE APPLICATION OF CHAPTER 119, FLORIDA STATUTES, TO THE VENDOR'S DUTY TO PROVIDE PUBLIC RECORDS RELATING TO THE CONTRACT, CONTACT THE CUSTODIAN OF PUBLIC RECORDS AT 239-533-2221, 2115 SECOND STREET, FORT MYERS, FL 33901, <http://www.leegov.com/publicrecords>.**

25.5.4 Ownership: It is understood and agreed that all documents, including detailed reports, plans, original tracings, specifications and all data prepared or obtained by the successful bidder in connection with its services hereunder, include any documents bearing the professional seal of the successful bidder, and shall be delivered to and become the property of Lee County, prior to final payment to the successful bidder or the termination of the Agreement/Contract. This includes any electronic versions, such as CAD or other computer aided drafting programs.

25.6 **Termination:**

25.6.1 Any Agreement/Contract as a result of this solicitation may be terminated by either party giving **thirty (30) calendar days advance written notice**. The County reserves the right to accept or not accept a termination notice submitted by the vendor, and no such termination notice submitted by the vendor shall become effective unless and until the vendor is notified in writing by the County of its acceptance.

25.6.2 The Procurement Management Director may immediately terminate any Agreement/Contract as a result of this solicitation for emergency purposes, as defined by the Lee County Purchasing and Payment Procedures Manual (Purchasing Manual), (also known as Appendix "D" "AC-4-1.pdf".)

- 25.6.3 Any bidder who has voluntarily withdrawn from a solicitation without the County's mutual consent during the contract period shall be barred from further County procurement for a **period of 180 days**. The vendor may apply to the Board for a waiver of this debarment. Such application for waiver of debarment must be coordinated with and processed by the Procurement Management Department.
- 25.6.4 The County reserves the right to terminate award or contract following any of the below for goods or services over \$1,000,000:
- 25.6.4.1 Contractor is found to have submitted a false certification as provided under FL § 287.135 (5);
 - 25.6.4.2 Contractor has been placed on the Scrutinized Companies with Activities in Sudan List or the Scrutinized Companies with Activities in the Iran Petroleum Energy Sector List (FL §215.473);
 - 25.6.4.3 Contractor has engaged in business operations in Cuba or Syria (FL § 215.471);
 - 25.6.4.4 Contractor has been placed on the Scrutinized Companies that Boycott Israel List, or is engaged in a boycott of Israel. (FL § 215.4725)
 - 25.6.4.5 The County reserves the right to review, on a case-by-case basis, and waive this stipulation if it is deemed to advantageous to the County.

26 WAIVER OF CLAIMS

- 26.1 Once this contract expires, or final payment has been requested and made, the awarded bidder shall have waived any claims against the County concerning this contract. After that period, the County will consider the bidder to have waived any right to claims against the County concerning this Agreement/Contract.

27 LEE COUNTY PAYMENT PROCEDURES

- 27.1 Unless otherwise noted, all vendors are requested to mail an original invoice to:
Lee County Finance Department
Post Office Box 2238
Fort Myers, FL 33902-2238
- 27.2 All invoices will be paid as directed by the Lee County payment procedure unless otherwise stated in the detailed specifications for this project.
- 27.3 Lee County will not be liable for requests for payment deriving from aid, assistance, or help by any individual, vendor, proposer, or bidder for the preparation of these specifications.
- 27.4 Lee County is generally a tax exempt entity subject to the provisions of the 1987 legislation regarding sales tax on services. Lee County will pay those taxes for which it is obligated, or it will provide a Certificate of Exemption furnished by the Department of Revenue. All bidders should include in their bids, all sales or use taxes, which they will pay when making purchases of material or sub-contractor's services.

28 SAFETY DATA SHEETS (SDS) (as applicable)

- 28.1 In accordance with Chapter 443 of the FL §, it is the vendor's responsibility to provide Lee County with Safety Data Sheets on bid materials, as may apply to this procurement.

29 DEBRIS DISPOSAL (as applicable)

- 29.1 Unless otherwise stated, the bidder shall be fully responsible for the lawful removal and disposal of any materials, debris, garbage, vehicles or other such items which would interfere with the undertaking and completion of the project. There shall not be an increase in time or price associated with such removal.

30 SHIPPING (as applicable)

- 30.1 Cost of all shipping to the site, including any inside delivery charges and all unusual storage requirements shall be borne by the bidder unless otherwise agreed upon in writing prior to service. It shall be the bidders responsibility to make appropriate arrangements, and to coordinate with authorized personnel at the site, for proper acceptance, handling, protection and storage (if available) of equipment and material delivered. All pricing to be F.O.B. destination.

- 30.2 The materials and/or services delivered under the bid shall remain the property of the seller until a physical inspection and actual usage of these materials and/or services is accepted by the County and is deemed to be in compliance with the terms herein, fully in accord with the specifications and of the highest quality.

31 BOND/SURETY (CONSTRUCTION)

- 31.1 Bonding/Surety is required for construction projects over \$100,000.00 unless otherwise noted.
- 31.2 **Bid Bond/Security:** The bidder/vendor shall submit **not less than 5% of proposed dollar amount** (including applicable alternates) as bid security. One **ORIGINAL** Bid Bond/Security is to be submitted to the County with Bid Submission. The Bid Security of the bidder/vendor will be retained until the bidder/vendor has executed the contract, whereupon the Bid security may be returned. The bid Security of the bidder/vendor whom the County believes to have a reasonable chance of receiving the award may be retained by the County until the effective date of the Agreement/Contract, whereupon Bid Securities furnished by the bidder/vendor may be returned. The following types of Bid Security are acceptable:
- 31.2.1 **A Certified Check or a Cashier's Check** in the stated dollar amount of not less than 5% of proposed dollar amount. Any Certified Check or Cashier Check submitted in lieu of a Bid Bond Shall be drawn on a solvent bank or trust company, made payable to Lee County Board of County Commissioners and shall have all necessary documentary revenue stamps attached (if required by law); or
- 31.2.2 **A Bid Bond** may be submitted on a Lee County paper Bid Bond Form. Must be signed by all required parties, of not less than 5% of proposed dollar amount (including Alternate(s) as applicable) shall accompany each submission. The Bid Bond shall be issued by a duly authorized surety authorized to do business and in good standing with the Florida Department of state.
- 31.3 **Payment and Performance Bond:** In accordance with F.S. 255.05 and Lee County Ordinance 95-2-102, a Public Payment and Performance Bond is to be issued in a sum equal to one-hundred (100%) percent of the total awarded contract amount by a surety company considered satisfactory by Lee County and otherwise authorized to transact business in the State of Florida shall be required from the successful bidder/vendor. This shall insure the faithful performance of the obligations imposed by the resulting contract and protect the County from lawsuits for non-payment of debts incurred during the successful bidder/vendor performance under such Contract.
- 31.3.1 A public Payment and Performance bond must be properly executed, by the Surety Company and successful bidder/vendor, and recorded with the Lee County Clerk of Court, within **seven calendar days** after notification by Lee County of the approval to award the Contract.
- 31.3.2 **A Clean Irrevocable Letter of Credit or Cash Bond** may be accepted by the County in lieu of the Public Payment and Performance Bond.
- 31.4 Only Lee County form(s) may be accepted. Forms are available at <https://www.leegov.com/procurement/forms>.
- 31.5 **Personal Checks are not acceptable to Lee County as a Bid Security.**
- 31.6 **Surety:** In order to be acceptable to the County, a Surety Company issuing Evidence of Bondability, Bid Guaranty Bonds or 100% Public Payment and Performance Bonds or Letters of Credit called for herein shall meet and comply with the minimum standards set forth in as part of the Contract Documents. The surety company shall be authorized to do business and in good standing with the Florida Department of State. All such bonds shall be issued or countersigned by a local producing agent who is a Florida resident with satisfactory evidence of its authority to execute the bond being submitted.

32 INSURANCE (AS APPLICABLE)

- 32.1 Insurance shall be provided by the awarded bidder/vendor. Prior to execution of the Agreement/Contract a certificate of insurance (COI) complying with the bid documents shall be provided by the bidder/vendor.

End of Terms and Conditions Section



Major Insurance Requirements

Minimum Insurance Requirements: *Risk Management in no way represents that the insurance required is sufficient or adequate to protect the Vendor's interest or liabilities. The following are the required minimums the Vendor must maintain throughout the duration of this Contract. The County reserves the right to request additional documentation regarding insurance provided.*

- a. **Commercial General Liability** - Coverage shall apply to premises and/or operations, products and completed operations, independent contractors, and contractual liability exposures with minimum limits of:

\$1,000,000 per occurrence
\$2,000,000 general aggregate
\$1,000,000 products and completed operations
\$1,000,000 personal and advertising injury

- b. **Business Auto Liability** - The following Automobile Liability will be required and coverage shall apply to all owned, hired and non-owned vehicles use with minimum limits of:

\$1,000,000 combined single limit (CSL) or
\$500,000 bodily injury per person
\$1,000,000 bodily injury per accident
\$500,000 property damage per accident

- c. **Workers' Compensation** - Statutory benefits as defined by Chapter 440, Florida Statutes, encompassing all operations contemplated by this Contract or Agreement to apply to all owners, officers, and employees regardless of the number of employees. Workers' Compensation exemptions may be accepted with written proof of the State of Florida's approval of such exemption. Employers' liability will have minimum limits of:

\$500,000 per accident
\$500,000 disease limit
\$500,000 disease – policy limit

*The required minimum limit of liability shown in a. and b. may be provided in the form of "Excess Insurance" or "Commercial Umbrella Policies," in which case, a "Following Form Endorsement" will be required on the "Excess Insurance Policy" or "Commercial Umbrella Policy."

Verification of Coverage:

1. Coverage shall be in place prior to the commencement of any work and throughout the duration of the Contract. A certificate of insurance will be provided to the Risk Manager for review and approval.

The certificate shall provide for the following:

- a. The certificate holder shall read as follows:

Lee County Board of County Commissioners
P.O. Box 398
Fort Myers, Florida 33902

- b. *“Lee County, a political subdivision and Charter County of the State of Florida, its agents, employees, and public officials”* will be named as an "Additional Insured" on the General Liability policy, including Products and Completed Operations coverage.

Special Requirements:

1. An appropriate "Indemnification" clause shall be made a provision of the Contract.
2. If applicable, it is the responsibility of the general contractor to ensure that all subcontractors comply with all insurance requirements.

End of Insurance Guide Section

SPECIAL CONDITIONS

These are conditions that are in relation to this solicitation only and have not been included in the County's standard Terms and Conditions or the Scope of Work.

1. TERM

Single Project: From the Notice to Proceed or the Purchase Order date, whichever applies: 200 calendar days to substantial completion, 30 calendar days to final completion (total days 230)

2. BIDDER/SUB-CONTRACTOR RELATIONSHIP

The prime bidder/contractor on a project may not also be listed as a sub-contractor to another firm submitting a bid for the same solicitation. Should this occur, all responses from the involved/named firms will be considered non-compliant and rejected for award. Sub-contractors may be listed on multiple submissions for the same solicitation.

3. LIQUIDATED DAMAGES (CONSTRUCTION)

In accordance with the terms set forth in the Agreement, for each consecutive calendar day of delay in achieving Substantial Completion as set forth herein, the Contractor shall be liable to the County for liquidated damages in the amount of \$ 400 per calendar day.

End of Special Conditions Section

GENERAL CONDITIONS

1. Administration

The Consultant is the initial interpreter of the Contract Documents but is not the Judge between the COUNTY and the CONTRACTOR. The COUNTY reserves the right to make final decisions considering the Consultant's recommendations or interpretations of the Contract Documents. The Consultant does not have authority to obligate or commit the COUNTY to fund additional expenditures or approve extensions of time over the approved Contract time or price. However, the CONSULTANT'S interpretation as to the intent of his design shall be final and not subject to interpretation by the COUNTY'S staff.

1.1. Copies of Documents

The COUNTY shall furnish to the CONTRACTOR the number of copies specified in the Supplemental Information of the Contract Documents as are reasonably necessary for the execution of the Work. Additional copies will be furnished, upon request, at the cost of reproduction which shall be paid by the CONTRACTOR.

1.2. Before Starting Construction

Before undertaking each phase of the Work, the CONTRACTOR shall carefully study and compare the Contract Documents and check and verify pertinent figures shown thereon and all applicable field measurements. The CONTRACTOR shall promptly report in writing to the OWNER'S REPRESENTATIVE any conflict, error or discrepancy which the CONTRACTOR may discover or other information known to the CONTRACTOR and shall obtain a written interpretation or clarification from the OWNER'S REPRESENTATIVE before proceeding with any Work affected thereby. If the CONTRACTOR performs any construction activity knowing it involves a recognized error, inconsistency or omission in the Contract Documents without such notice to the OWNER'S REPRESENTATIVE, the CONTRACTOR shall assume responsibility for such performance and shall share in costs associated with correction; however, the CONTRACTOR shall not be liable to the COUNTY for failure to report any conflict, error or discrepancy in the Contract Documents, unless the CONTRACTOR had actual knowledge thereof or should reasonably have known thereof.

1.2.1. Within ten calendar days after the Effective Date of the Agreement (unless otherwise specified in the Contract Documents), the CONTRACTOR shall submit to the OWNER'S REPRESENTATIVE for review:

- 1.2.1.1. An estimated progress schedule indicating the starting and completion dates of the various stages of the Work:
- 1.2.1.2. Long lead item(s) shall be identified and scheduled accordingly.
- 1.2.1.3. A preliminary schedule of Shop Drawing submission; and
- 1.2.1.4. A preliminary schedule of values for all of the Work which will include quantities and prices of items aggregating the Contract Price and will subdivide the Work into component parts in sufficient detail to serve as the basis for progress payments during construction on form No. CMO:013. Such prices will include an appropriate amount of overhead and profit applicable to each item of Work which will be confirmed in writing by the CONTRACTOR at the time of submission; and specify times for Application for Payment.
- 1.2.1.5. A plan of work for maintenance of traffic, when the Contract Documents require maintenance of traffic.

1.2.1.6. For informational purposes, a proposed listing of sub-contractors to be used for the project.

1.2.2. **Pre-Construction Conference**

Within fifteen calendar days after the Effective Date of the Agreement, but before the CONTRACTOR starts the Work at the site, a conference attended by the CONTRACTOR, the OWNER'S REPRESENTATIVE, the COUNTY, and Others as appropriate, will be held to discuss the items, to discuss procedures for handling Shop Drawings and other submittals and for processing Applications for Payment, and to establish an understanding among the parties as to the Work.

1.2.3 **Finalizing Schedules**

At least ten calendar days before submission of the first Application for payment, a conference attended by the CONTRACTOR, the OWNER'S REPRESENTATIVE, the COUNTY, and Others as appropriate, will be held to finalize the schedules submitted. The finalized progress schedule will be acceptable to the OWNER'S REPRESENTATIVE and the COUNTY as providing an orderly progression of the Work to completion within the Contract Time, but such acceptance will neither impose on the OWNER'S REPRESENTATIVE or the COUNTY responsibility for the progress or scheduling of the Work nor relieve the CONTRACTOR from full responsibility therefor. The finalized schedule of Shop Drawing submissions will be acceptable to the OWNER'S REPRESENTATIVE as providing a workable arrangement for processing the submissions. The finalized schedule of values will be acceptable to the OWNER'S REPRESENTATIVE and the COUNTY as to form and substance.

Definitions

The following definition of terms associated with this Contract is provided to establish a common understanding between both parties to this Contract as to the intended usage, application and interpretation of such terms pertaining to this Contract.

ADDENDUM means any additional Contract provisions in writing signed and sealed by the CONSULTANT, if applicable, issued by the COUNTY prior to the receipt of Bid which clarify, correct, change or interpret the Bidding Documents or the Contract Documents.

AGREEMENT means the written agreement between the COUNTY and the CONTRACTOR covering the Work to be performed; the Agreement is a part of the Contract Documents.

BIDDER is any individual, firm, partnership, joint venture, or corporation submitting a bid for this project, acting directly or through an authorized representative.

BID is a complete and properly signed proposal to do the Work or designated portion thereof for the sums stipulated therein, submitted in accordance with the Bidding Documents.

BID BOND is a security in the form and amount required by the COUNTY pledging that the BIDDER will enter into a Contract with the COUNTY on the terms stated in his Bid.

BID DOCUMENTS are the Invitation to Bid, the Notice to Bidders, the Invitation to Bid Terms and Conditions, sample forms, the Bid Proposal Form and the proposed Contract Documents (including all Addenda issued prior to receipt of Bids).

CHANGE ORDERS are written order to the CONTRACTOR signed by the COUNTY, issued after execution of the Contract, authorizing a change in the Work or an adjustment in the Contract price or the Contract Time. The Contract Price and the Contract Time may be changed only by a Change Order. A Change Order signed by the CONTRACTOR indicates his agreement therewith, including the adjustment in the Contract Price or the Contract Time.

COMPLETION (FINAL) means acceptance of the Project by the COUNTY as evidenced by its signature upon a final payment Certification and approval thereof by the Board of County Commissioners or their designee. The final payment Certification shall be signed only after the COUNTY has assured itself by tests, inspections, or otherwise that all of the provisions of the Contract have been carried out as required.

COMPLETION (SUBSTANTIAL) shall mean an acceptance of the Work by the COUNTY when construction is sufficiently complete in accordance with the Contract Documents so the COUNTY can occupy or utilize the Work or designated portion thereof for the use for which it is intended. A certificate of occupancy or compliance, when applicable, issued by the Building Official is required concurrent with or prior to issuance of the Certificate of Substantial Completion.

CONSTRUCTION is the erection, fabrication, assembly, remodeling, renovation, addition, modification, repair or demolition of any building or structure or any appurtenances connected or attached to such buildings or structures. The term applies but is not limited to the repair, replacement modification or construction of roads, bridges, sidewalks, traffic devices, parking lots, drainage, underground and overhead utilities.

CONSULTANT is the person lawfully licensed to practice Architecture or Engineering and registered in the State of Florida, or an entity lawfully practicing Architecture or Engineering, identified as such in the Construction Contract, and is referred to throughout the Contract Documents as if singular in number and masculine in genre. The term CONSULTANT means the Architect or Engineer or his authorized representative.

CONTRACT DOCUMENTS consist of the Invitation to Bid, Agreement, General and Special Conditions of the Contract, Specifications, the Plans, Supplemental Information, Addenda issued prior to execution of the Contract, all written modifications issued after execution of the Contract, all provisions required by law to be inserted in this Contract whether actually inserted or not, and a Contract Number issued by the COUNTY.

A MODIFICATION is:

- (1) A written Amendment to the Contract.
- (2) A Change Order.
- (3) A written interpretation necessary for the proper execution or progress of the Work issued by the OWNER'S Representative.
- (4) A Field Change Order.
- (5) A Field Directive Change.

CONTRACT PRICE means the total monies payable to the CONTRACTOR under the Contract Documents.

CONTRACT TIME means the number of Calendar days stated in the Agreement for the purpose of establishing Substantial Completion and Final Completion dates.

CONTRACTOR is the person, firm, joint venture, or corporation with whom the COUNTY has contracted and who has the primary responsibility for performance of the work.

COUNTY means the Board of County Commissioners of Lee County, Florida, a political subdivision of the State of Florida, its successors and assigns. Also hereinafter referred to as OWNER.

DAYS - The term "day" as used in the Contract Documents shall mean calendar day unless otherwise specifically designated. A calendar day constitutes twenty four hours measured from midnight to the next midnight.

DEFECTIVE - An adjective which when modifying the word "Work" refers to Work that is unsatisfactory, faulty or deficient, or does not conform to the Contract Documents, or does not meet the requirements of any inspection, reference standard, test or approval referred to in the Contract Documents, or has been damaged prior to the OWNER'S REPRESENTATIVE recommendation of final payment.

EFFECTIVE DATE OF THE AGREEMENT means the date on which the agreement is signed and delivered by the latter of the two parties.

ENGINEER shall mean the Director of the Lee County Department of Transportation or his designated County Project Manager.

FIELD CHANGE ORDER is a written change order requested by the OWNER'S Representative, accepted by the CONTRACTOR, and approved by the PROJECT MANAGER for minor changes in the Work, not involving adjustments in the Contract Sum or an extension of Time, and not inconsistent with the overall intent of the Contract Documents.

FIELD DIRECTIVE CHANGE - A written directive to the CONTRACT, issued on or after the effective date of the Agreement ordering an addition, deletion, or revision in the Work, or responding to differing or unforeseen physical conditions under which the Work is to be performed as defined elsewhere in these documents. A Field Directive Change may not change the Contract Price or the Contract Time, but is evidence that the parties expect that the change directed or documented by a Field Directive Change will be incorporated in a subsequently issued Change Order following negotiations by the parties as to its effect, if any, on the Contract Price or the Contract Time.

FINAL ACCEPTANCE means acceptance of the Work by the COUNTY upon the expiration of the warranty period as stated in the Contract Documents.

MATERIALS - Anything used in the process of, but not limited to, constructing, demolishing, renovating or remodeling of any building, structure, road, bridge, recreational facility, transportation element and utility or any addition thereto utilized for this project.

NOTICE means written notice. Notice shall be served upon the CONTRACTOR either personally or by leaving the said Notice at his residence or with his agency in charge of the Work, or addressed to the CONTRACTOR at the residence or place of business stated in the Bid Proposal and deposited in a postpaid wrapper in any United States Mailbox.

NOTICE TO PROCEED is a written instrument issued by the COUNTY to the CONTRACTOR, authorizing the CONTRACTOR to commence Work on the Project. The NOTICE TO PROCEED shall include the effective date of Commencement.

NOTICE OF AWARD means the written Notice given by the COUNTY to the successful Bidder.

NOTICE OF TERMINATION is a written instrument issued in accordance with the Contract Documents by the COUNTY to the CONTRACTOR or by the CONTRACTOR to the COUNTY notifying the receiving party that the Contract is being terminated. The NOTICE shall clearly identify the effective date the Contract is to be terminated.

OWNER'S REPRESENTATIVE is the CONSULTANT contracted by the COUNTY for Professional Services during the construction phase of this project or a qualified person authorized as his official representative, or in the absence of such a contract, the project Manager will be considered the OWNER'S REPRESENTATIVE for the purpose of this Contract Document. The OWNER'S REPRESENTATIVE is not authorized to issue change orders to the contract sum, contract time or scope of work without express approval of the Board of County Commissioners.

PLANS AND/OR DRAWINGS are a graphic representation of the arrangement of the materials or parts of the construction of the project and are a portion of the Contract Documents.

PROCUREMENT MANAGEMENT shall mean the Director of Lee County's Procurement Management Department or designee.

PROJECT shall mean the entire improvement of which this contract forms a part.

PROJECT MANAGER is an employee of the Department or the COUNTY which requested the Contract and is a designee authorized by or for that Department who is the representative of the Board of County Commissioners in matters concerning the contractor of this project. The project manager will act as the OWNER'S REPRESENTATIVE in the absence of a contract with a CONSULTANT. The PROJECT MANAGER is not authorized to issue changes to the Contract Sum, Contract Time, or Scope of Work without express approval by the Department Director, County Manager, or Board of County Commissioners.

The PROJECT MANAGER, within the authority conferred by the Board of County Commissioners, acting as the COUNTY'S designated representative shall initiate written Change Orders, and notification to the CONTRACTOR of any and all changes approved by the COUNTY in the CONTRACTOR'S (1) compensation (2) time and/or schedule of service delivery; (3) any Amendment (s) or other change(s) relative to the WORK and ADDITIONAL SERVICES pursuant to this Contract, or AMENDMENTS, or CHANGE ORDERS pertaining thereto. Following COUNTY approval, the Project Manager shall coordinate assurance of any such documents. The PROJECT MANAGER or his designee shall be responsible for acting on the COUNTY'S behalf to administer, coordinate, interpret and otherwise manage the contractual provisions and requirements set forth in this Contract, or any AMENDMENT(S), or CHANGE ORDER(S) issued there under.

SPECIFICATIONS are written documents organized into divisions, sections, and articles which provide detailed instructions to the CONTRACTOR pertaining, but not limited to, materials, style, workmanship, fabrication, dimensions, colors, warranties, finishes, quality, manufacturer, grade and operational data of all components to be provided by the CONTRACTOR and incorporated into the Project.

SUB-CONTRACTOR is a person, firm, partnership, corporation, or entity who has a direct contract with the CONTRACTOR to perform any of the Work at the site. The term Sub-contractor does not include those whose sole purpose is that of a supplier of materials. A supplier of materials shall be classified as a Sub-contractor if it enters into any agreement, whether written or verbal, for the installation of said materials. The term Sub-contractor means a Sub-contractor or its authorized representative.

SUPPLIER - A manufacturer, fabricator, distributor, materialmen or vendor.

SURETY is the surety company or individual that is bound by Contract bond with and for the CONTRACTOR who is primarily liable, and is responsible for CONTRACTOR'S acceptable performance of the Project and payment of all debts pertaining to the Contract Documents in accordance with Section 255.05, Florida Statutes.

UNDERGROUND FACILITIES - All pipeline, conduits, ducts, cables, wires, manholes, vaults, tanks, tunnels or other such facilities or attachments, and any encasements containing such facilities which have been installed underground to furnish any of the following services or materials: electricity, gases, steam, liquid petroleum products, telephone or other communications, cable television, sewage and drainage removal, traffic or other control systems or water.

WORK is the construction required by the Contract Documents and includes all labor necessary to produce such construction, and all materials and equipment incorporated or to be incorporated in such construction.

2. Starting the Work

Written Notice to Proceed is contingent upon and will be done subsequent to the CONTRACTOR fully satisfying the COUNTY'S stated insurance and Bond submittal requirements. Until the CONTRACTOR receives the COUNTY'S written Notice to Proceed, the CONTRACTOR is advised that the COUNTY will not be liable for any expenses which the CONTRACTOR may incur relative to this Contract before the written Notice to Proceed is issued.

- 2.1. The Contract time shall commence to run from the date specified in the "Notice to Proceed".
- 2.2. The CONTRACTOR is required, before commencing the Work, to deliver to the COUNTY the Public Payment and Performance Bond issued by a surety insurer authorized to do business in the State of Florida as Surety. The Bond must state the name and principal business address of both the principal and the Surety and must contain a description of the project sufficient to identify it and post in conspicuous place at the project site.
- 2.3. The COUNTY will forward to the CONTRACTOR a Notice of Commencement along with a copy of the recorded Public Payment and Performance Bond with instructions to post in a conspicuous spot on the project site.

3. Interpretation Intent, Amending and Reuse of Contract Documents

It is the intent of the Specifications and Plans to describe a complete Project to be constructed in accordance with the Contract Documents.

- 3.1 The Contract Documents are complementary; what is called for by one is as binding as if called for by all. If the CONTRACTOR finds a conflict, error or discrepancy in the Contract Documents, he shall immediately call it to the attention of the OWNER'S REPRESENTATIVE in writing before proceeding with the Work affected thereby.
- 3.2 Any Work that may be reasonably inferred from the specifications or Drawings as being required to produce the intended result shall be supplied whether or not it is specifically called for.
- 3.3 Work, materials or equipment described in words which have a well-known technical or trade meaning, shall be deemed to refer to such recognized standards.
- 3.4 In resolving conflicts, errors, and discrepancies, the order of precedence of the Contract Document is as follows:
 - (1) Change Order
 - (2) Agreement
 - (3) Addenda
 - (4) Special Conditions
 - (5) General Conditions
 - (6) Specifications
 - (7) Supplemental Information
 - (8) Drawings
 - (9) Figure Dimensions
 - (10) Scale Dimensions (Large Scale Drawings supersede Small Scale Drawings)
 - (11) Terms and Conditions

3.5 Amending and Supplementing Contract Documents

The Contract Documents may be amended to provide for additions, deletions and revisions in the Work or to modify the terms and conditions thereof in one or more of the following ways:

3.5.1 A formal Written Amendment,

3.5.2 A Change Order.

3.5.3 A Field Directive Change.

The Contract Price and the Contract Time may only be changed by a Change Order or Written Amendment.

3.6 In addition, the requirements of the Contract Documents may be supplemented and minor variations and deviations of the Work may be authorized, in one or more of the following ways:

3.6.1 A Field Change Order,

3.6.2 The OWNER'S REPRESENTATIVE approval of a Shop Drawing or sample, or

3.6.3 The OWNER'S REPRESENTATIVE written interpretation or clarification.

3.7 Reuse of Documents

Neither the CONTRACTOR nor any SUB-CONTRACTOR or Supplier or other person or organization performing or furnishing any of the Work under a direct or indirect contract with the COUNTY shall have or acquire any title to or ownership rights in any of the Drawings, Specifications or other documents (or copies of any thereof) prepared by or bearing the seal of the CONSULTANT; and they shall not reuse any of them on extensions of the Project or any other project without written consent of the COUNTY or their CONSULTANT and the specific written verification or adaptation by the CONSULTANT.

4 Availability of Lands

The COUNTY will furnish, as indicated in the Contract Documents and not later than the date when needed by the CONTRACTOR, the lands upon which the Work is to be done, rights-of-way for access thereto, and such other lands which are designated for the use of the CONTRACTOR. Easements for permanent structures or permanent changes in existing facilities will be obtained by the COUNTY unless otherwise specified in the Contract Documents. If the CONTRACTOR believes that any delay in the COUNTY'S furnishing these lands or easements entitles him to an extension of the Contract Time, he may make a claim therefore. The CONTRACTOR will provide for all additional lands and access thereto that may be required for temporary construction facilities or storage of materials and equipment unless designated otherwise. The OWNER'S REPRESENTATIVE will, upon request, furnish to the CONTRACTOR copies of all available boundary and topographic surveys as required and sub-surface tests. The CONTRACTOR shall be responsible for staging and storing equipment or materials. All parcels utilized for staging shall be secured. All parcels utilized for staging will be kept in a neat and orderly fashion and then restored to the landowner's satisfaction upon terminating the use of the staging area or improved as noted in the plans. The CONTRACTOR shall maintain on the job site written proof of authorization for the use of any private land. The COUNTY does not condone trespass on private property and will hold the CONTRACTOR liable for any such trespass. Right-of-way maps, if available, of the lands upon which the improvements will be made shall be provided upon request from the OWNER'S REPRESENTATIVE.

The CONTRACTOR may use these lands for work associated with this contract only. The CONTRACTOR shall verify the availability of these lands with the Lee County D.O.T. project manager prior to the issuance of the notice to proceed.

4.1 Physical Conditions

Explorations and Reports: Reference is made to the Supplemental Information for identification of those reports of explorations and tests of subsurface conditions at the site that have been utilized by the CONSULTANT and/or the COUNTY in preparation of the Contract Documents. These reports are not part of the contract Documents. The CONTRACTOR may rely upon the accuracy of the technical data contained in such reports but not upon the non-technical data, interpretations or opinions contained therein for the completeness or accuracy thereof for the CONTRACTOR'S purposes of preparing or submitting a bid. Except as indicated in the immediately preceding sentence, the CONTRACTOR shall have full responsibility with respect to subsurface conditions at the site. The technical data which will be made available only at the CONTRACTOR'S request may not be sufficient for construction purposes. Additional investigations may be necessary for the purposes of carrying out the construction project.

4.2 Existing Structures: Reference is made to the Supplemental Information for identification of those drawings of physical conditions in or relating to existing surface and subsurface structures (except Underground Facilities) which are at or contiguous to the site that have been utilized by the CONSULTANT and/or the COUNTY in preparation of the Contract Documents. The CONTRACTOR may rely upon the accuracy of the technical data contained in such drawings but not for the completeness thereof for the purposes of preparing or submitting a bid. Except as indicated in the immediately preceding sentence, the CONTRACTOR shall have full responsibility with respect to physical conditions in or relating to such structures.

4.3 Unless otherwise stated, the CONTRACTOR shall be fully responsible for the removal of any materials, debris, garbage, vehicles or other such items which would interfere with the undertaking and completion of the project. By submission of a bid, the CONTRACTOR assumes full responsibility for the expenses associated with such removal. There shall not be an increase in time or price associated with such removal.

4.4 Report of Differing Conditions: If the CONTRACTOR believes that:

4.4.1.1 Any technical data on which the CONTRACTOR is entitled to is inaccurate, or

4.4.1.2 Any physical condition uncovered or revealed at the site differs materially from that indicated, reflected or referred to in the Contract Documents.

4.4.1.3 The CONTRACTOR shall, promptly after becoming aware thereof and before performing any Work in connection therewith (except in an emergency as permitted) notify the OWNER'S REPRESENTATIVE in writing about the inaccuracy or difference.

4.5 OWNER'S REPRESENTATIVE Review: The OWNER'S REPRESENTATIVE will promptly review the pertinent conditions, determine the necessity of obtaining additional explorations or tests with respect thereto and advise the COUNTY in writing (with a copy to the CONTRACTOR) of the OWNER'S REPRESENTATIVE'S findings and conclusions.

4.6 Possible Document Change: If the OWNER'S REPRESENTATIVE and the COUNTY conclude that there is a material error in the Contract Documents and a change in the Contract Documents is required, a Field Directive Change, a Field Change or a Change Order will be issued as to reflect and document the consequences of the inaccuracy or difference.

- 4.7 Possible Price and Time Adjustments: In each case of a material error in the Contract Documents, an increase or decrease in the Contract Price or an extension or shortening of the Contract Time, or any combination thereof, will be allowable to the extent that they are attributable to any such inaccuracy or difference.
- 4.8 Physical Conditions - Underground Facilities
- Shown or Indicated: The information and data shown or indicated in the Contract Documents with respect to existing Underground Facilities at or contiguous to the site is based on information and data furnished to the COUNTY or the CONSULTANT by the owners of such Underground facilities or by others. Unless it is otherwise expressly provided in the Supplemental Information:
- 4.8.1 The CONTRACTOR shall have full responsibility for reviewing and checking all such information and data, for locating all Underground Facilities shown or indicated in the Contract Documents, for coordination of the Work with the owners of such Underground Facilities during construction, for the safety and protection thereof and for repairing any damage thereto resulting from the Work, the cost of all of which will be considered as having been included in the Contract Price. The CONSULTANT and COUNTY shall not be responsible for the accuracy or completeness of any such information or data.
- 4.9 Not Shown or Indicated: If an Underground Facility is uncovered or revealed at or contiguous to the site which was not shown or indicated in the Contract Documents and which the CONTRACTOR could not reasonably have been expected to be aware of, the CONTRACTOR shall, promptly after becoming aware thereof and before performing any Work affected thereby (except in an emergency as permitted) identify the owner of such Underground Facility and give written notice thereof to that owner and to the OWNER'S REPRESENTATIVE. The OWNER'S REPRESENTATIVE will promptly review the Underground Facility to determine the extent to which the Contract Documents should be modified to reflect and document the consequences of the existence of the Underground Facility, and with the COUNTY'S approval, the Contract Documents will be amended or supplemented to the extent necessary. During such time, the CONTRACTOR shall be responsible for the safety and protection of such Underground Facility. The CONTRACTOR shall be allowed an increase in the Contract Price or an extension of the Contract Time, or both, to the extent that they are attributable to the existence of any Underground Facility that was not shown or indicated in the Contract Documents and which the CONTRACTOR could not reasonably have been expected to be aware of. Locations of existing underground utilities are not field confirmed. In the case of a conflict between this or any other utility and proposed improvements, it shall be the CONTRACTOR'S duty to coordinate with all utility company relocation activities whether shown or not shown in the plans. Coordination is to include efforts by the CONTRACTOR to minimize time lost due to unexpected utility relocation or modifications.
- 4.10 Reference Points
- The COUNTY shall provide engineering surveys to establish reference points, as specified in the Supplemental Information, for construction which in the judgment of the COUNTY and the CONSULTANT are necessary to enable CONTRACTOR to proceed with the Work. The CONTRACTOR shall be responsible for laying out the Work (unless otherwise specified in the Technical Specifications), shall protect and preserve the established reference points and shall make no changes or relocations without the prior written approval of the COUNTY.

The CONTRACTOR shall report to the OWNER'S REPRESENTATIVE whenever any reference point is lost or destroyed or requires relocation because of necessary changes in grades or locations, and shall be responsible for the accurate replacement or relocation of such reference points by professionally qualified personnel.

5 Bonds and Insurance

5.1 Public Payment and Performance Bond

The CONTRACTOR will execute the Public Payment and Performance Bonds included herein as security for the faithful performance and payment of all his obligations under the Contract Documents.

5.2 This Bond shall be in amounts at least equal to the Contract Price and in such form and with such securities as are acceptable to the COUNTY. Prior to execution of the Contract Documents, the COUNTY may require the CONTRACTOR to furnish such other bonds, in such form and with such sureties as it may require. If such bonds are required by written instructions given prior to opening of Bids, the Premiums shall be paid by the CONTRACTOR. If the Contract is increased by a Change Order, it shall be the CONTRACTOR'S responsibility to insure that the Public Payment and Performance Bond be amended accordingly and a copy of the amendment forwarded to PROCUREMENT MANAGEMENT.

5.3 If the surety on any bond furnished by the CONTRACTOR is declared bankrupt or becomes insolvent or its right to do business is terminated in the State of Florida or it ceases to meet the requirements imposed by the Contract Documents, the CONTRACTOR shall within five calendar days thereafter substitute another Bond and Surety, both of which shall be acceptable to the COUNTY.

5.4 If the CONTRACTOR cannot obtain another bond and surety within five calendar days the COUNTY will accept and the CONTRACTOR shall submit an irrevocable letter of credit drawn on a Lee County, Florida bank until the bond and surety can be obtained.

6 Qualifications of Surety Companies

In order to be acceptable to the COUNTY, a surety company issuing Bid Guaranty Bonds or 100% Public Payment and Performance Bonds, called for in these specifications, shall meet and comply with the following minimum standards:

6.1 General

All Sureties for Lee County projects must be authorized to do business in the State of Florida and shall comply with the provisions of Florida Statute 255.05.

6.2 Attorneys-in-Fact who sign bid bonds or Public Payment and Performance Bonds for Lee County projects must file with such bond a certified copy of their Power of Attorney to sign such bond.

6.3 Agents of surety companies must list their name, address, and telephone number on all bonds.

6.4 The life of all bonds provided to Lee County shall extend twelve months beyond the date of final payment and shall contain a waiver of alteration to the terms of the Contract, extensions of time and/or forbearance on the part of the COUNTY.

6.5 To be acceptable to the OWNER on projects not in excess of \$500,000.00, Surety shall comply with these minimum provisions of State Statute 287.0935 as follows:

6.5.1 Surety must have twice the minimum surplus and capital required by Florida Insurance Code at the time of bid solicitation.

- 6.5.2 Surety must be in compliance with all provisions of the Florida Insurance Code and hold a currently valid certificate of authority issued by the United States Department of the Treasury under SS.31 U.S.C. 9404-9308.
- 6.5.3 Sureties on projects in excess of \$500,000.00 shall comply with the above minimum provisions as well as being rated thru A.M. Best Company and shall comply with the following provisions:
- 6.5.4 The Surety shall be rated as "A-" or better as to General Policyholders Rating and Class VII or better as to financial category by the most current Best's Key Rating Guide, published by A.M. Best Company.
- 6.5.5 Surety must have fulfilled all of its obligations on all other bonds previously given to the COUNTY.
- 6.5.6 Surety must have a minimum underwriting limitation of \$5,000,000 published in the latest edition of the Federal Register for Federal Bonds (U.S. Dept. of Treasury).
- 6.6 Letter of Credit

At any time during the life of the letter of credit, should the rating of financial institution fall below both of the minimum ratings as indicated in the Contract Documents, or should the financial institution become insolvent, the CONTRACTOR must, within five calendar days after notification by the COUNTY:

 - 6.6.1 Replace the existing letter of credit with a replacement letter of credit from a financial institution with either of the minimum ratings as specified in the Contract Documents, or
 - 6.6.2 Have the existing letter of credit confirmed by a financial institution with either of the minimum ratings as specified in the Contract Documents.
 - 6.6.3 At the COUNTY'S option, the letter of credit may be replaced by a Public Payment and Performance Bond in accordance with the COUNTY'S existing bond policies.
- 6.7 Failure to comply with this provision may result in any or all of the following actions by the COUNTY:
 - 6.7.1 Suspension of the CONTRACTOR'S right to pull building permits and schedule inspections;
 - 6.7.2 A stop work order; and/or Revocation of the Land Development Permit.
- 6.8 Financial Institutions/Letters of Credit

In order to be acceptable to the COUNTY, a financial institution issuing 100% Letters of Credit, called for in these specifications, shall meet and comply with the following minimum standards:

 - 6.8.1 General

The face of the letter of credit must be in a format utilizing Lee County Standard Form and indicate the following:

 - 6.8.1.1 The letter of credit is "clean" and "irrevocable";
 - 6.8.1.2 An exact expiration date. The life of all letters of credit provided to Lee County shall extend twelve months beyond the date of final payment;
 - 6.8.1.3 Statement of the purpose or project for which the letter of credit is issued;
 - 6.8.1.4 A specific amount of the letter of credit, in U.S. dollars;
 - 6.8.1.5 The method of disbursement of draws against the letter of credit;
 - 6.8.1.6 The street address where draws against the letter of credit may be made; and
 - 6.8.1.7 Venue in Lee County.
 - 6.8.1.8 Verification of the status or certification of any financial institution may be made with:

Department of Insurance and Treasurer
Bureau of Collateral Securities
200 East Gaines Street
Tallahassee, FL 32377-0345
Phone (850) 922-3167

Or

Lee County Procurement Management
1500 Monroe Street, 4th Floor
Fort Myers, FL 33901
Phone (239) 533-8881

Or

Lee County Risk Management
2115 Second Street
Fort Myers, FL 33901
Phone (239) 533-2221

- 6.8.1.9 At the time of issuance of the letter of credit, the financial institution must have a minimum “peer group” rating of 50 in the latest Sheshunoff Quarterly Listing or a minimum rating of 125 in the latest IDC Bank Financial Quarterly Listing.
- 6.8.1.10 Letters of Credit from financial institutions which do not meet either of the minimum ratings indicated above must be confirmed by a financial institution with either of the minimum ratings indicated above.
- 6.8.1.11 All financial institutions which issue or confirm any Letter of Credit must be authorized by the Secretary of State to do business in the State of Florida, shall show proof of same upon request by COUNTY staff, and agree to venue in Lee County.
- 6.8.1.12 In addition to the institutions meeting the aforementioned requirements, the Federal Home Loan Bank of Atlanta is authorized to issue and confirm letters of credit which are in accordance with the provisions above and all subsequent sub-paragraphs.
- 6.8.1.13 These actions shall be in effect until a satisfactory replacement bond or letter of credit is accepted by the COUNTY. The CONTRACTOR agreement shall so provide for replacement or confirmation in accordance with this policy.

7 Contractor’s Liability Insurance

- 7.1 The CONTRACTOR will purchase and maintain such insurance as will protect him from claims under Worker’s Compensation laws, disability benefit laws or other similar employee benefit laws; from claims for damages because of bodily injury, occupational sickness or disease, or death of his employees including claims insured by usual personal injury, sickness and disease, or death of any person other than his employees including claims insured by usual personal injury liability coverage; and from claims for injury to or destruction of tangible property including loss of use

resulting there from any or all of which may arise out of or result from the CONTRACTOR'S operations under the Contract Documents, whether such operations be by himself or any Sub-contractor or anyone directly or indirectly employed by any of them or for whose acts any of them may be legally liable. This insurance shall be written for no less than the limits of liability specified in the Contract Documents or required by law, whichever is greater, and shall include contractual liability insurance. As a prerequisite to the COUNTY signing the Contract, the CONTRACTOR will file with the COUNTY certificates of such insurance, acceptable to the COUNTY; these certificates shall contain a provision for cancellation.

7.2 Insurance Requirements

7.2.1 Before final execution of the Agreement and until acceptance of the Work by the COUNTY, the CONTRACTOR shall procure and maintain insurance of the types and the limits specified by the Insurance Guide included in the Solicitation.

7.2.2 All CONTRACTOR'S Certificates of Insurance must be approved by the Lee County Risk Manager (or designee) before the final execution of the agreement by the COUNTY.

7.2.3 An Insurance Certificate shall be required from the successful BIDDER. Such form must be properly executed and submitted by an authorized representative of the insurance company and successful BIDDER within seven calendar days after notification by Lee County of the Board of County Commissioners' approval to award the contract. Such certificate of insurance state that the coverage is primary, and shall be in the types and amounts stated in the Contract Documents. Certificate should include producers' phone number and reference the name of the project.

8 Contractor's Responsibilities

8.2 Supervision and Superintendence

8.1.1 The CONTRACTOR will supervise and direct the Work efficiently. He will be solely responsible for the means, methods, techniques, sequences, safety, and procedure of construction, unless otherwise specified. The CONTRACTOR will be responsible to see that the finished Work complies with the Contract Documents.

8.1.2 The CONTRACTOR will keep on the site at all times when work is being performed, a competent, resident superintendent who shall not be replaced without prior written notice to the OWNER'S REPRESENTATIVE. The superintendent will be the CONTRACTOR'S representative at the site and shall have authority to act on behalf of the CONTRACTOR. All communications given to the superintendent shall be binding as if given to the CONTRACTOR.

9 Labor Material and Equipment

9.1 The CONTRACTOR will provide competent, suitable, qualified personnel to lay out the Work and perform construction as required by the Contract Documents. He will at all times maintain good discipline and order at the site.

9.2 The CONTRACTOR will furnish all materials, equipment, labor, transportation, construction equipment and machinery, tools, appliances, fuel, power, heat, light, telephone, water and sanitary facilities and incidentals necessary for the execution, testing, initial operation and completion of the Work unless otherwise specified. All materials and equipment such as concrete pipe, inlets, manhole covers, etc., furnished by the CONTRACTOR shall be made by the same manufacturer, e.g., all pipe by one company, all inlets by one company, etc.

- 9.3 All materials and equipment will be new except as otherwise provided in the Contract Documents. If required by the OWNER'S REPRESENTATIVE, the CONTRACTOR will furnish satisfactory evidence as to the kind and quality of materials and equipment furnished.
- 9.4 All materials and equipment shall be applied, installed, connected, erected, used, cleaned and conditioned in accordance with the instructions of the applicable manufacturers, fabricator or processors except as otherwise provided in the Contract Documents.
- 9.5 In instances where the act is applicable due to the nature of the bid matter with which this bid package is concerned, all material, equipment, etc., as proposed and offered by CONTRACTOR must meet and conform to all O.S.H.A. requirements; the CONTRACTOR'S signature upon the bid proposal form being by this reference considered a certification of such fact.

10 Adjusting the Progress Schedule

- 10.1 The CONTRACTOR shall submit to the OWNER'S REPRESENTATIVE for acceptance of adjustments in the progress schedule to reflect the impact thereon of new developments; these will conform generally to the progress schedule then in effect and additionally will comply with any provisions of the Contract Documents applicable thereto. The COUNTY reserves the right to reject the progress schedule from the CONTRACTOR which in its judgment does not appear to devote sufficient resources of manpower to enable the timely completion of the project. If the COUNTY requests the progress schedule to be adjusted, the CONTRACTOR shall do so and perform the work according to the adjusted schedule at no additional cost to the COUNTY.

11 Substitute Materials or Equipment

- 11.1 If it is indicated in the specifications that the CONTRACTOR may furnish or use a substitute that is equal to any material or equipment specified, and if the CONTRACTOR wishes to furnish or use a proposed substitute, he will, within thirty calendar days after the award of the Contract, make written application to the OWNER'S REPRESENTATIVE for approval of such a substitute, certifying in writing that the proposed substitute will perform adequately the duties imposed by the general design, be similar and of equal substance to that specified and be suited to the same use and capable of performing the same function as that specified. No substitute shall be ordered or installed without the written approval of the COUNTY who shall be the judge of quality. Whether or not the COUNTY accepts a proposed substitute, the CONTRACTOR shall reimburse the COUNTY for any charges or cost for evaluating any proposed substitute.

12 Concerning Sub-contractors

- 12.1 The CONTRACTOR will be fully responsible for all acts and omissions of his SUB-CONTRACTORS and of persons directly or indirectly employed by them and of persons for whose acts they may be liable to the same extent that they are employed by him. Nothing in the Contract Documents shall create any contractual relationship between any SUB-CONTRACTOR and the COUNTY. The COUNTY may, upon request, furnish to any SUB-CONTRACTOR, to the extent practicable, evidence of amounts paid to the CONTRACTOR on account of specific Work done.
- 12.2 The divisions and sections of the specifications and the identifications of any Drawings shall not control the CONTRACTOR in dividing the Work among SUB-CONTRACTORS or delineating the Work to be performed by any specific trade.

- 12.3 The CONTRACTOR agrees to bind specifically every SUB-CONTRACTOR to the applicable terms and conditions of these Contract Documents for the benefit of the COUNTY.
- 12.4 All Work performed for the CONTRACTOR by a SUB-CONTRACTOR shall be pursuant to an appropriate agreement between the CONTRACTOR and the SUB-CONTRACTOR which shall contain provisions that waive all rights the contracting parties may have against one another for damages caused by fire or perils covered by insurance, except such rights as they may have to the proceeds of such insurance held by the COUNTY as trustee.

13 Patent Fees and Royalties

- 13.1 The costs involved in fees, royalties, or claims for any patented invention, article, process or method that may be used upon, or in a manner connected with the work under this contract, shall be paid by the CONTRACTOR. The CONTRACTOR and his sureties, together with his officers, agents, and employees, shall protect and hold the COUNTY harmless against any and all demands made for such fees or claims brought or made by holder of any invention or patent. Before final payment is made on the account of this Contract, the CONTRACTOR shall, if requested by the COUNTY, furnish acceptable proof of a proper release from all such fees or claims.
- 13.2 Should the CONTRACTOR, his agent, employee, or any of them be enjoined from furnishing or using any invention, article, material or plans supplied or required to be supplied or used under this contract, the CONTRACTOR shall promptly pay such royalties and secure the requisite licenses; or, subject to acceptance by the COUNTY, substitute other articles, materials or appliances in lieu thereof which are of equal efficiency, quality, finish, suitability and market value to those planned or required under the contract. Descriptive information of these substitutions shall be submitted to the OWNER'S REPRESENTATIVE for determination of general conformance to the design concept and the construction contract. Should the COUNTY elect to use the substitution, the CONTRACTOR agrees to pay such royalties and secure such valid licenses as may be requisite for the COUNTY, his officers, agents, and employees, or any of them, to use such invention, article, material, or appliance without being disturbed or in any way interfered with by any proceeding in law or equity on account thereof.

14 Permits

- 14.1 Unless otherwise specified herein, the CONTRACTOR will secure and pay for all permits, impact fees, and licenses and will pay all governmental charges and inspections' fees necessary for the prosecution of the Work which are applicable at the time of his bid. The CONTRACTOR will also pay all public utility charges and connection fees except as provided for in the Contract Documents. Permits and licenses of regulatory agencies which are necessary to be maintained after completion of the guarantee period shall be secured and paid for by the COUNTY.
- 14.2 Pursuant to the requirements of F.S. 218.80, the following City of Ft. Myers permits and fees are required to be obtained and paid for by the CONTRACTOR.
- [DETAILS OF PERMITTING RESPONSIBILITIES]
- 14.2 This is a disclosure of permits and fees, required by Lee County, for this project and does not relieve the contractor of its responsibility to obtain and pay for permits required by other governmental entities as specified elsewhere in this document.
- 14.3 The CONTRACTOR will give all notices and comply with all laws, ordinances, rules and regulations applicable to the Work. If the CONTRACTOR observes that the Specifications or Drawings are at a variance therewith, he will give the OWNER'S REPRESENTATIVE prompt written notice thereof, and any necessary changes shall be adjusted by an appropriate

modification. If the CONTRACTOR performs any Work knowing it to be contrary to such laws, ordinances, rules and regulations and without such notice to the OWNER'S REPRESENTATIVE, he will bear all cost arising therefrom; however, it shall not be his primary responsibility to make certain that the Drawings and Specifications are in accordance with such laws, ordinances, rules and regulations.

15 Licenses

- 15.1 The CONTRACTOR must be properly licensed, within the jurisdiction where the project is to be constructed, to perform the work specified in the Scope of Work at the time of bid submittal.

16 Use of Premises

- 16.1 The CONTRACTOR will confine his equipment, the storage of materials and equipment, and the operations of his workmen to the areas permitted by law, ordinances, permits or the requirements of the Contract Documents and shall not unreasonably encumber the premises with materials or equipment.

17 Record Drawings

- 17.1 The CONTRACTOR will keep one record copy of all Specifications, Drawings, Addenda, Modifications and Shop Drawings at the site in good order, and annotated to show all changes made during the construction process or addition and exact location of underground or otherwise concealed components such as, but not limited to, plumbing, air conditioning, electric, culverts, drainage structures, water main, force mains, service lines, wiring, traffic loops, pond or ditch bottoms and banks, signal poles, signs, and conduit which were not installed exactly as shown on the contract drawings. These shall be available to the OWNER'S REPRESENTATIVE and shall be verified by the OWNER'S REPRESENTATIVE at 30%, 60%, and 100% completion of the Project. The CONTRACTOR shall submit to the OWNER'S REPRESENTATIVE one complete set of all recorded changes made during Construction entitled "As-Built", and dated. Submittals shall be made in accordance with the above and shall be submitted at the time of substantial completion.
- 17.2 The sum of \$5,000.00 shall be withheld from the final payment until written acceptance or all of the Record Drawings by the OWNER'S REPRESENTATIVE has occurred.
- 17.3 Certified "as-built" information, which the CONTRACTOR must show on marked-up copies of the design drawings, prints, and other materials as specified above shall include both authorized and unauthorized changes to horizontal pavement dimensions, finish pavement grades, finish dimensions, elevations and alignment of the items noted in Article 17.1, and any modifications to material types from that specified in the bid plans and specifications. As a prerequisite to any payments, the CONTRACTOR shall make available to the Engineer all "as-built" information pertinent to the design drawings each month prior to his submission of a monthly application for payment. The CONTRACTOR shall also obtain "as-built" cross-sections of the roadway, ditches, channels, and other drainage ways as shown in the Contract Documents at intervals not to exceed 100 ft. The CONTRACTOR shall set benchmarks on or within 100 ft. of each control structure constructed as part of this project. A complete description including elevation and location of each control structure benchmark shall be provided to the Engineer as part of the "as-built" information. The elevation shall be clearly and permanently indicated on each benchmark.
- 17.4 "As-built" dimensions and elevations shall be obtained by a Professional Land Surveyor registered in the State of Florida pursuant to Chapter 472, Florida Statutes. The "as-built" drawings shall be signed and sealed by the CONTRACTOR'S Professional Land Surveyor in accordance with Section 472.025, Florida Statutes.

- 17.5 All pertinent surveyors' field survey notes containing the "as-built" data shall be sealed and submitted to the Engineer for review and acceptance prior to authorization of the final payment.
- 17.6 "As-built" data shall be secured and the accuracy of measurements shall be 0.01 ft.
- 17.7 All sub-surface improvements considered part of the Work as shown in the Contract Documents shall be "as-built" by the CONTRACTOR prior to backfilling.
- 17.8 A final bench level circuit shall be secured indicating accuracy of vertical closure and a copy of these field notes shall be submitted to the Engineer before final acceptance of the project.
- 17.9 The CONTRACTOR shall annotate and show all "as-built" information on 11" x 17" prints of the bid plans during the course of the construction process. Upon completion of all contract work, but prior to authorization of the final payment by the Engineer, the CONTRACTOR shall deliver one (1) set of such annotated, in neat draftsman-like manner, "as-built" 11" x 17" prints to the Engineer for approval. Upon approval of such "as-built" plans, the CONTRACTOR shall forthwith provide two (2) sets of these drawings containing all "as-built" information, a CD of the "as-built" electronic files in AutoCAD or MicroStation format and data which have been sealed by a Professional Land Surveyor by the CONTRACTOR at the CONTRACTOR'S cost and forthwith become the property of the COUNTY.
- 17.10 The cost of preparing, maintaining, and providing "as-built" plans and documents as specified in this Article must be included in the Lump Sum payment for mobilization for each part of the Bid Schedule providing for Mobilization.
- 17.11 Shop drawing submittals processed by the Engineer shall not be construed as Change Orders; the purpose of a shop drawing is to demonstrate to the Engineer that the CONTRACTOR understands the design concept, and that his understanding is demonstrated by indicating the equipment and material to be furnished and installed. Corrections or changes indicated by the Engineer in the shop drawings do not constitute authorization to perform extra work.
- 17.12 The review of shop drawings and schedules shall be considered general and shall not be construed as permitting any departures from the contract requirements. The design drawings and contract specifications shall take precedence over the shop drawings in the event of deviations, discrepancy, or conflict.

18 Safety and Protection

- 18.1 The CONTRACTOR will be responsible for initiating, maintaining and supervising all safety precautions and programs in connection with the Work. He will take all necessary precautions for the safety of and will provide the necessary protection to prevent damage, injury or loss to:
 - 18.1.1 All employees on the Project and other persons who may be affected thereby;
 - 18.1.2 All the Work and all materials or equipment to be incorporated therein, whether in storage on or off the site; and
 - 18.1.3 Other property at the site or adjacent thereto including trees, shrubs, lawns, walks, pavements, roadways, structures and utilities not designated for removal, relocation or replacement in the course of construction.
 - 18.1.4 The CONTRACTOR will comply with all applicable laws, ordinances, rules, regulations and orders of any public body having jurisdiction for the safety of persons or property or to protect them from damage, injury or loss. He will erect and maintain, as required by the conditions and progress of the Work, all necessary safeguards for safety and protection and, in addition, he will comply with all applicable recommendations of the "Manual of Accident Prevention in Construction" published by the Associated General Contractors of America, Inc.; "Roadway and Traffic Design Standards" latest edition published by the Florida Department of Transportation, specifically Index 600-650; and Occupational Safety and Health Administration

published by the United States Department of Labor. He will notify owners of adjacent utilities when prosecution of the Work may affect them. All damage, injury or loss to any property caused directly or indirectly, in whole or in part by the CONTRACTOR, any SUB-CONTRACTOR, anyone directly or indirectly employed by any of them, or anyone for whose acts any of them may be liable will be remedied by the CONTRACTOR; except any damage or loss attributable to the fault of the Drawings or the Specifications or to the acts or omissions of the COUNTY, and not attributable, directly or indirectly, in whole or in part, to the fault of negligence of the CONTRACTOR.

- 18.1.5 The CONTRACTOR will designate a member of his organization whose responsibility will be to plan for the prevention of accidents at the site. This person shall be the CONTRACTOR'S Superintendent unless otherwise designated in writing by the CONTRACTOR to the OWNER'S REPRESENTATIVE.

19 Emergencies

- 19.1 In emergencies affecting the safety of persons, the Work or property at the site or adjacent thereto, the CONTRACTOR, without special instruction or authorization from the COUNTY, is obligated to act at his discretion to prevent threatened damage, injury or loss. He will give the OWNER'S REPRESENTATIVE prompt written notice of any significant changes in the Work or deviations from the Contract Documents caused thereby. If the COUNTY and the OWNER'S REPRESENTATIVE determine that a change to the Contract Documents is required because of the action taken in response to an emergency, a Field Directive Change or Change Order shall thereupon be issued covering the changes and deviations involved.

20 Shop Drawings and Samples

- 20.1 After checking and verifying all field measurements, the CONTRACTOR will submit to the OWNER'S REPRESENTATIVE for approval, in accordance with the acceptable schedule of Shop Drawing submission, five copies (or at the option of the OWNER'S REPRESENTATIVE, one reproducible copy) of all Shop Drawings, which shall have been checked by and stamped with the approval of the CONTRACTOR and identified as the OWNER'S REPRESENTATIVE may require. The data shown on the Shop Drawings will be complete with respect to dimensions, design criteria, materials of construction and the like to enable the OWNER'S REPRESENTATIVE to review the information as required.
- 20.2 The CONTRACTOR will also submit to the OWNER'S REPRESENTATIVE for approval with such promptness as to cause no delay in the Work, all samples required by the Contract Documents. All samples will have been checked by and stamped with the approval of the CONTRACTOR, identified clearly as to material, manufacturer, any pertinent numbers and the use for which intended.
- 20.3 At the time of each submission, the CONTRACTOR will in writing call the OWNER'S REPRESENTATIVE'S attention to any deviations that the Shop Drawing or sample may have from the requirements of the Contract Documents and, in addition, shall cause a specific notation to be made on each shop drawing submitted for review and approval of each such variation.
- 20.4 The OWNER'S REPRESENTATIVE will review and approve with reasonable promptness Shop Drawings and Samples, but its review and approval shall be only for conformance with the design concept of the Project and for compliance with the information given in the Contract Documents. The approval of a separate item as such will not indicate approval of the assembly in which the item functions. The CONTRACTOR will make any corrections required by the OWNER'S REPRESENTATIVE and will return the required number of corrected copies of Shop Drawings and re-submit new samples until approved. All cost incurred by the COUNTY for the review of

a shop drawing in excess of two reviews shall be the CONTRACTORS responsibility. The CONTRACTOR'S stamp of approval on any Shop Drawing or sample shall constitute a representation to the OWNER'S REPRESENTATIVE that the CONTRACTOR has either determined and verified all quantities, dimensions, field construction criteria, materials, catalog numbers and similar data or he assumes full responsibility for doing so, and that he has reviewed or coordinated each Shop Drawing or sample with the requirements of the Work and the Contract Document.

20.5 No work requiring a Shop Drawing or sample submissions shall be commenced until the submission has been approved by the OWNER'S REPRESENTATIVE. Any related Work performed prior to review and approval by the COUNTY of the pertinent submission will be the sole expense and responsibility of the CONTRACTOR. A copy of each approved Shop Drawing and each approved sample shall be kept in good order by the CONTRACTOR at the site and shall be available to the OWNER'S REPRESENTATIVE.

20.6 The OWNER'S REPRESENTATIVE approval of Shop Drawings or samples shall not relieve the CONTRACTOR from his responsibility for any deviations from the requirements of the Contract Documents, unless the CONTRACTOR has in writing called the OWNER'S REPRESENTATIVE attention to such deviation at the time of submission and the COUNTY and the OWNER'S REPRESENTATIVE have given written approval to the specific deviation; nor shall any approval by the OWNER'S REPRESENTATIVE relieve the CONTRACTOR from responsibility for errors or omissions in the Shop Drawings.

20.6.1 The CONTRACTOR shall, upon completion of the work, furnish to the Engineer two (2) complete sets of prints, neatly bound together, and in good condition, of all the CONTRACTOR'S, Subcontractors' and manufacturers' drawings as finally checked and reviewed by the Engineer with all modifications accepted by the Engineer subsequent thereto, showing the work as actually completed. Such "as-built" information for bridges, culverts, and similar structures shall also be provided by the CONTRACTOR.

21 Indemnification

21.1 The CONTRACTOR shall indemnify, save harmless and defend the COUNTY and all of its officers, agents, consultants and employees from and against all losses, claims, demands, payments, suits, actions, recoveries and judgments of every nature and description brought or recoverable against it or them by reason of any act or omission of the CONTRACTOR, his agent, consultants, employees, sub-contractors etc., in the execution of the work or in consequence of any negligence or carelessness in guarding the same and agrees to assume any related cost.

21.2 The CONTRACTOR shall assume all risk and bear any loss or injury to property or persons occasioned by neglect or accident during the progress of work until the same shall have been completed and accepted. The CONTRACTOR agrees to repair, restore or rebuild any damages he causes to any property of the COUNTY. He shall also assume all blame or loss by reason of neglect or violation of any state or federal law or municipal rule, regulation or order. The CONTRACTOR shall give to the proper authorities all required notices relating to the work, obtain all official permits and licenses and pay all proper fees. He shall repair any damage that may have occurred to any adjoining building, structure, utility or private property in the course of this work.

22 Cleaning Up

- 22.1 The CONTRACTOR will keep the premises free from accumulations of waste materials, rubbish and other debris resulting from the Work; at the completion of the Work he will remove all waste materials, rubbish and debris from and about the premises as well as all tools, construction equipment and machinery, and surplus materials, and will leave the site clean and ready for occupancy by the COUNTY. The CONTRACTOR will restore to their original condition those portions of the site not designated for alteration by the Contract Documents.
- 22.2 If the CONTRACTOR fails to clean up as provided in the Contract Documents, the COUNTY may do so and the cost thereof shall be deducted from the final retainage due the CONTRACTOR.

23 Continuing the Work

- 23.1 The CONTRACTOR shall carry on the Work and adhere to the progress schedule during all disputes and disagreements with the COUNTY. No work shall be delayed or postponed pending resolution of any disputes or disagreements, except as permitted (The COUNTY May Stop Work) or as the CONTRACTOR and the COUNTY may otherwise agree in writing.

24 Anti-Discrimination

- 24.1 The CONTRACTOR for itself, its successors in interest, and assignees, as part of the consideration thereof covenant and agree that:
- 24.2 In the furnishing of services to the COUNTY hereunder, no person on the grounds of race, religion, color, age, sex, national origin, handicap or marital status shall be excluded from participation in, denied the benefits of, or otherwise be subjected to discrimination.
- 24.3 The CONTRACTOR will not discriminate against any employee or applicant for employment because of race, religion, color, age, sex, national origin, handicap or marital status. The CONTRACTOR will make affirmative efforts to insure that applicants are employed and that employees are treated during employment without regard to their race, religion, color, age, sex, national origin, handicap or marital status. Such action shall include, but not be limited to, acts of employment, upgrading, demotion or transfer; recruitment advertising; layoff or termination, rates of pay or other forms of compensation and selection for training, including apprenticeships.
- 24.4 CONTRACTOR agrees to post in a conspicuous place, available to employees and applicants for employment, notices setting forth the provisions of this anti-discrimination clause.
- 24.5 CONTRACTOR will provide all information and reports required by relevant regulations and/or applicable directives. In addition, the CONTRACTOR shall permit access to its books, records, accounts, other sources of information, and its facilities as may be determined by the COUNTY to be pertinent to ascertain compliance. The CONTRACTOR shall maintain and make available relevant data showing the extent to which members of minority groups are beneficiaries under these contracts.
- 24.6 Where any information required of the CONTRACTOR is in the exclusive possession of another who fails or refuses to furnish this information, the CONTRACTOR shall so certify to the COUNTY its efforts made toward obtaining said information. The CONTRACTOR shall remain obligated under this paragraph until the expiration of three years after the termination of this CONTRACT.
- 24.7 In the event of breach of any of the above anti-discrimination covenants, the COUNTY shall have the right to impose sanctions as it may determine to be appropriate, including withholding payment to the CONTRACTOR or canceling, terminating or suspending this CONTRACT, in whole or in part.
- 24.8 Additionally, the CONTRACTOR may be declared ineligible for further COUNTY contracts by

rule, regulation or order of the Board of County Commissioners of Lee County, or as otherwise provided by law.

- 24.9 The CONTRACTOR will send to each labor union, or representative of workers with which the CONTRACTOR has a collective bargaining agreement or other contract of understanding, a notice informing the labor union or worker's representative of the CONTRACTOR'S commitments under this assurance, and shall post copies of the notice in conspicuous places available to the employees and the applicants for employment.
- 24.10 The CONTRACTOR will include the provisions in every sub-contract under this contract to insure its provisions will be binding upon each Sub-contractor. The CONTRACTOR will take such action with respect to any Sub-contractor, as the contracting agency may direct, as a means of enforcing such provisions, including sanctions for non-compliance.

25 Work by Others

- 25.1 The COUNTY may perform additional Work related to the Project by itself, or it may let other direct contracts which shall contain General Conditions similar to these.
- 25.2 The CONTRACTOR will afford the other Contractors who are parties to such direct contracts (or the COUNTY, if it is performing the additional Work itself), reasonable opportunity for the introduction and storage of materials and equipment and the execution of the Work, and shall properly connect and coordinate his work with theirs. Should the Contract entail relocation of facilities not a part of this Contract, the CONTRACTOR will coordinate and cooperate with the applicable entity responsible for this portion of the Work.
- 25.3 Water lines, gas lines, wire lines, service connections, water and gas meter boxes, water and gas valve boxes, light standards, cableways, signals, and all other utility appurtenances within the limits of the proposed construction which are to be relocated or adjusted are to be moved by the owners at their expense, unless otherwise provided in the Contract. It is understood and agreed that the CONTRACTOR has considered in his bid all of the permanent and temporary utility appurtenances in their present or relocated positions as shown on the plans and that no additional compensation will be allowed for any delays, inconveniences, or damage sustained to him due to any interference from the said utility appurtenances or the operation of moving them. If any part of the CONTRACTOR'S work depends (for proper execution) upon the Work of any such other Contractor (or the COUNTY), the CONTRACTOR will inspect and promptly report to the OWNER'S REPRESENTATIVE in writing, any defects, deficiencies or delays in such Work that render it unsuitable for such proper execution and results. His failure to report shall constitute an acceptance of the Work, except as to defects, deficiencies and delays which may appear in the other Work after the execution of his Work.
- 25.4 The CONTRACTOR will do all cutting, fitting and patching of his Work, which is consistent with the Contract Documents that may be required to make its several parts come together properly and fit it to receive or be received by such other Work. The CONTRACTOR will not endanger any Work of others by cutting, excavating or otherwise altering such other Work and will only cut or alter such other work with the written consent of the OWNER'S REPRESENTATIVE.
- 25.5 If the performance of additional Work by other Contractors or the COUNTY is not noted in the Contract Documents prior to the execution of the Contract, written notice thereof shall be given to the CONTRACTOR prior to starting any such additional Work.
- 25.6 The CONTRACTOR shall be responsible for coordination with all activities with adjacent projects.

26 Owner's Representative Status During Construction

- 26.1 County's Representatives
 - 26.1.1 The COUNTY shall issue all communications to the CONTRACTOR through the OWNER'S REPRESENTATIVE.
- 26.2 Clarifications and Interpretations
 - 26.2.1 The OWNER'S REPRESENTATIVE will issue with reasonable promptness, through the COUNTY, such written clarifications or interpretations of the requirements of the Contract Documents (in the form of Drawings or otherwise) as the COUNTY may determine necessary, which shall be consistent with or reasonably inferable from the overall intent of the Contract Documents. If the CONTRACTOR believes that a written clarification or interpretation justifies an increase in the Contract Price or an extension of the Contract Time and the parties are unable to agree to the amount or extent thereof, the CONTRACTOR may make a claim.
- 26.3 Authorized Variations in Work
 - 26.3.1 The OWNER'S REPRESENTATIVE may authorize, with prior approval from the COUNTY minor variations in the Work from the requirements of the Contract Documents which do not involve an adjustment in the Contract Price or the Contract Time and are consistent with the overall intent of the Contract Documents. These may be accomplished by a Field Change Order and the CONTRACTOR shall perform the Work involved promptly. If the CONTRACTOR believes that a Field Change Order justifies an increase in the Contract Price or an extension of the Contract Time and the parties are unable to agree as to the amount or extent thereof, the CONTRACTOR may make a claim.

27 Changes in Work

- 27.1 Without invalidating the Agreement, the COUNTY may unilaterally and at any time or from time to time order additions, deletions or revisions in the Work; these will be authorized by Change Orders or Field Directive Change. Upon receipt of a Change Order or Field Directive Change, the CONTRACTOR will proceed with the Work involved.
- 27.2 All such Work shall be executed under the applicable conditions of the Contract Documents.
- 27.3 If any Change Order or Field Directive Change causes an increase or decrease in the Contract Price or any extension or shortening of the Contract Time, an equitable adjustment will be made.
- 27.4 Additional Work performed by the CONTRACTOR without written authorization of a change in the form of an approved Change Order will not entitle him to an increase in the Contract Price or any extension of the Contract Time, except in the case of an emergency.
- 27.5 It is the CONTRACTOR'S responsibility to notify the Surety of any changes affecting the general scope of the Work or change of the Contract Price and the amount of the applicable Bonds shall be adjusted accordingly. The Surety's Acceptance must be submitted to the OWNER'S REPRESENTATIVE, by the CONTRACTOR, within ten calendar days of the initiation of the change.

28 Change of Contract Price

- 28.1 The Contract Price constitutes the total compensation payable to the CONTRACTOR for performing the Work. All duties, responsibilities and obligations assigned to or undertaken by the CONTRACTOR shall be at his expense without change in the Contract Price.
- 28.2 The Contract Price may only be changed by a Change Order. Any claim for an increase or decrease in the Contract Price shall be in writing and delivered to the OWNER'S

REPRESENTATIVE within fifteen calendar days of the occurrence of the event giving rise to the claim and stating the general nature of the claim. Notice of the amount of the claim with supporting data shall be delivered within sixty calendar days after such occurrence (unless COUNTY allows an additional period of time to ascertain more accurate data in support of the claim) and shall be accompanied by the CONTRACTOR'S written statement that the amount claimed covers all known amounts (direct, indirect, and consequential) to which the CONTRACTOR has reason to believe it is entitled as a result of the occurrence of said event. No claim for an adjustment in the Contract Price will be valid if not submitted in accordance. All claims for adjustment in the Contract Price shall be reviewed by the OWNER'S REPRESENTATIVE. Any change in the Contract Price shall be incorporated in a Change Order and approved by the COUNTY. No claim by the CONTRACTOR for an equitable adjustment hereunder shall be allowed if asserted after final payment under this Contract.

- 28.3 Where the Work involved is covered by unit prices contained in the Contract Documents or subsequently agreed upon, by application of unit prices to the quantities of the items involved.
- 28.4 By mutual acceptance of a lump sum properly itemized and supported by sufficient substantiating data to permit evaluation.
- 28.5 By cost of the Work and mutually acceptable fixed amount for overhead and profit agreed upon by the parties.
- 28.6 If none of the above methods is agreed upon, the value shall be determined by the COUNTY on the basis of cost of the Work and a percentage for overhead and profit. Cost shall only include labor (payroll, payroll taxes, fringe benefits, worker's compensation, etc.), materials, equipment, and other incidentals directly related to the Work involved.
- 28.7 In such cases the CONTRACTOR will submit in the form prescribed by the COUNTY an itemized cost breakdown together with supporting data. The amount of credit to be allowed by the CONTRACTOR to the COUNTY for any such change which results in a net decrease in cost will be the amount of the actual net decrease as determined by the COUNTY. When both additions and credits are involved in any one change, the combined overhead and profit shall be figured on the basis of the net decrease, if any.

29 Cash Allowance

- 29.1 It is understood that the CONTRACTOR has included in the Contract Price any allowances so named in the Contract Documents and shall cause the Work so covered to be done by such materialmen, suppliers, or SUB-CONTRACTORS and for such sums within the limit of the allowances as the COUNTY may approve. Upon final payment, the Contract Price shall be adjusted as required and an appropriate Change Order issued. The CONTRACTOR agrees that the original Contract Price includes such sums as he deems proper for cost and profit on account of cash allowances. No demand for an additional sum for overhead or profit in connection therewith will be allowed.
- 29.2 Unit Price Work
 - 29.2.1 Where the Contract Documents provide that all or part of the Work is to be Unit Price Work, the Contract Price will be deemed to include for all Unit Price Work an amount equal to the sum of the established unit prices for each separately identified item of Unit Price Work times the estimated quantity of each item as indicated in the Agreement. The estimated quantities of items of Unit Price Work are not guaranteed and are solely for the purpose of comparison of Bids and determining an initial Contract Price.

- 29.2.2 Each unit price will be deemed to include an amount considered by the CONTRACTOR to be adequate to cover the CONTRACTOR'S overhead and profit for each separately identified item.
- 29.2.3 The unit price of an item of Unit Price Work shall be subject to revaluation and adjustment under the following conditions:
 - 29.2.3.1 If the total cost of a particular item of Unit Price Work amounts to 5% or more of the Contract Price and the variation in the quantity of that particular item of Unit Price Work performed by the CONTRACTOR differs by more than 15% from the estimated quantity of such item indicated in the Agreement; and,
 - 29.2.3.2 If there is no corresponding adjustment with respect to any other item of Work; and
 - 29.2.3.3 If the CONTRACTOR believes that it has incurred additional expense as a result thereof; or
 - 29.2.3.4 If the COUNTY believes that the quantity variation entitles it to an adjustment in the unit price, either the COUNTY or the CONTRACTOR may make a claim for an adjustment in the Contract Price if the parties are unable to agree as to the effect of any such variations in the quantity of Unit Price Work performed.

30 Change of Contract Time

- 30.1 The Contract Time may only be changed by a Change Order. Any claim for an extension in the Contract Time shall be in writing and delivered to the OWNER'S REPRESENTATIVE within fifteen calendar days of the occurrence of the event giving rise to the claim and stating general nature of the claim. Notice of the extent of the claim with supporting data (analysis and documentation) shall be delivered within sixty calendar days after such occurrence (unless the OWNER'S REPRESENTATIVE allows an additional period of time to ascertain more accurate data in support of the claim) and shall be accompanied by the CONTRACTOR'S written statement that the adjustment claimed is the entire adjustment to which the CONTRACTOR has reason to believe it is entitled as a result of the occurrence of said event. If adverse weather conditions are the basis for a claim for additional time, such claim shall be documented by data substantiating that weather conditions were abnormal for the period of time and could not have been reasonably anticipated, and that the weather conditions had an adverse effect on the scheduled construction. No claim by the CONTRACTOR under this provision shall be allowed unless the CONTRACTOR has given the notice and the analysis and documentation required in this paragraph. All claims for adjustment in the Contract Time shall be determined by the OWNER'S REPRESENTATIVE. Any change in the Contract Time resulting from any such claim shall be incorporated in a Change Order.
- 30.2 The COUNTY shall not be responsible for any delay in the completion of the project where the delay is beyond the control or without fault or negligence on behalf of the COUNTY. The COUNTY shall not be held accountable for extra compensation or an extension of time due to default by the CONTRACTOR, SUB-CONTRACTORS, or suppliers in the furnishing of labor or materials for the project, or having to replace defective materials.
- 30.3 The CONTRACTOR shall be entitled to a claim for an extension of time when a delay or hindrance is caused by an act of God, or any act or omission on the part of the COUNTY, provided the CONTRACTOR gives notice to the OWNER'S REPRESENTATIVE within fifteen calendar days of the occurrence of the event giving rise to the claim and having stated

- the general nature of the claim. The CONTRACTOR'S sole remedy shall be an extension of Contract Time.
- 30.4 No extension of Contract Time or increases in Contract Price shall be granted for any delay caused either by (1) inadequate crewing, default or bankruptcy of lower tier contract, slow submittals, etc., or (2) by severe though not unusual weather conditions (other than hurricanes and tornadoes) or (3) any delay impacting a portion of the Work within the available total float or slack time and not necessarily preventing completion of the Work within the Contract Time unless otherwise agreed to by the COUNTY in its sole discretion or (4) for any delay which is caused by the CONTRACTOR having to replace defective material or equipment or (5) delays attributable to the lack of performance by Sub-contractors regardless of the reasons.
- 30.5 All time limits stated in the Contract Documents are of the essence of the Agreement. Shall not exclude recovery for damages (including but not limited to fees and charges of engineers, architects, attorneys and other professionals and court cost) for delay by either party.

31 Warranty and Guarantee: Acceptance of Defective Work

31.1 Warranty and Guarantee

31.1.1 The CONTRACTOR warrants and guarantees to the COUNTY that all materials and equipment will be new unless otherwise specified and that all Work will be of good quality, free from faults or defects and in accordance with the requirements of the Contract Documents and any inspections, test or approvals referred to in this Article. All unsatisfactory Work, all faulty Work, and all Work not conforming to the requirements of the Contract Documents or such inspections, tests or approvals shall be considered defective. Prompt notice of all defects shall be given to the CONTRACTOR. All defective Work, whether or not in place, may be rejected, corrected or accepted as provided herein. Contractor is to assign any and all warranties or guarantees on equipment, materials, etc. to the COUNTY.

31.2 Tests and Inspections

31.2.1 If the Contract Documents, laws, ordinances, rules, regulations or order of any public authority having jurisdiction require any Work to specifically be inspected, tested or approved by someone other than the CONTRACTOR, the CONTRACTOR will give the OWNER'S REPRESENTATIVE forty-eight (48) hours' notice of readiness therefore. The CONTRACTOR will furnish the OWNER'S REPRESENTATIVE with the required certificates of inspection, testing or approval. All such tests will be in accordance with the methods prescribed by the American Society for Testing and Materials or such other applicable organizations as may be required by law or the Contract Documents. If any such Work required to be inspected, tested or approved is covered without written approval of the OWNER'S REPRESENTATIVE, it shall, if requested by the OWNER'S REPRESENTATIVE, be uncovered for observation at the CONTRACTOR'S expense. The cost of all such inspections, tests and approvals shall be borne by the CONTRACTOR unless otherwise provided.

31.2.2 Project field testing of materials required by the specifications or the OWNER'S REPRESENTATIVE shall be provided by and at the expense of the COUNTY. The CONTRACTOR shall coordinate and schedule the required testing. The Contractor shall pay for all retests when the initial test result reveals that the materials failed to meet the requirements of the specifications. The CONTRACTOR shall notify the OWNER'S REPRESENTATIVE twenty-four (24) hours prior to conducting any test so the OWNER's REPRESENTATIVE may be present.

- 31.2.3 The OWNER'S REPRESENTATIVE shall have the right to require all materials to be submitted to tests prior to incorporation in the Work. In some instances, it may be expedient to perform these tests at the source of supply, and for this reason, it is required that the CONTRACTOR furnish the OWNER'S REPRESENTATIVE with the information concerning the location of his source before incorporating material into the Work. This does not in any way obligate the OWNER'S REPRESENTATIVE to perform tests for acceptance of material and does not relieve the CONTRACTOR of his responsibility to furnish satisfactory material. The CONTRACTOR shall furnish manufacturer's certificates of compliance with these specifications covering manufactured items incorporated in the Work.
- 31.2.4 Neither observations by the OWNER'S REPRESENTATIVE, nor inspections, tests or approvals by persons other than the CONTRACTOR shall relieve the CONTRACTOR from his obligations to perform the Work in accordance with the requirements of the Contract Documents.
- 31.2.5 Testing/Permits: The CONTRACTOR shall be responsible for performing any testing and the cost for all items that may be required as part of the NPDES, FDEP, USACOE and SFWMD permits.

32 Close Out Procedure

32.1 General Operating/Maintenance Instructions & Manuals

- 32.1.1 The CONTRACTOR shall organize maintenance operating manual information into four suitable sets of manageable size, and bind into individual binders properly identified and indexed (thumb-tabbed). Emergency instructions, spare parts listing, warranties, wiring diagrams, recommended "turn around" cycles, inspection procedures, shop drawings, product data, and similar acceptable information shall be included. The CONTRACTOR shall bind each manual of each set in a heavy duty, 3-ring vinyl covered binder, and include pocket folders for folded sheet information. Mark identification on both front and spine of each binder.
- 32.1.2 Arrange for each installer of work requiring continuing maintenance (by the OWNER) or operation, to meet with the OWNER'S personnel, at the project site, to provide basic instructions needed for proper operation and maintenance of the entire work. Include instructions by manufacturer's representatives where installers are not expert in the required procedures. Review maintenance manuals, record documentation, tools, spare parts and materials, lubricants, fuels, identification system, control sequences, hazards, cleaning and similar procedures and facilities. For operational equipment, demonstrate start-up, shut-down, emergency operations, noise and vibration adjustments, safety, economy/efficiency adjustments, and similar operations. Review maintenance and operations in relation with applicable guaranties, warranties, agreements to maintain, bonds, and similar continuing commitments.

33 Access to the Work

- 33.1 The COUNTY and the OWNER'S REPRESENTATIVE shall at all times have access to the Work. The CONTRACTOR shall provide proper facilities for such access and observation of the Work and also for any inspection or testing thereof by others.

34 Uncovering the Work

- 34.1 If any work has been covered which the OWNER'S REPRESENTATIVE has not specifically

requested to observe prior to its being covered, or if the OWNER'S REPRESENTATIVE considers it necessary or advisable that covered Work be inspected or tested by others, the CONTRACTOR, at the OWNER'S REPRESENTATIVE'S request, will uncover, expose or otherwise make available for observation, inspection or testing as the OWNER'S REPRESENTATIVE may require, that portion of the Work in question, furnishing all necessary labor, material and equipment. If it is found that such Work is defective, the CONTRACTOR will bear all the expense of such uncovering, exposure, observation, inspection and testing, and of satisfactory reconstruction. If, however, such Work is not found to be defective, the CONTRACTOR will be allowed an increase in the Contract Price or an extension of the Contract Time, or both, directly attributable to such uncovering, exposure, observation, inspection, testing and reconstruction, if he makes a claim therefore.

35 County May Stop Work

- 35.1 If the Work is defective, if the CONTRACTOR fails to supply sufficient skilled workmen or suitable materials or equipment, or if the CONTRACTOR fails to make prompt payments to SUB-CONTRACTORS for labor, materials or equipment: the COUNTY may order the CONTRACTOR to stop the Work, or any portion thereof, until the cause for such order has been eliminated; however, this right of the COUNTY to stop the work shall not give rise to any duty on the part of the COUNTY to exercise this right for the benefit of the CONTRACTOR or any other party.
- 35.2 Notwithstanding Paragraph 35.1, the COUNTY may also issue a Stop Work Order for the following reasons:
 - 35.2.1 Insufficient Maintenance of Traffic practices.
 - 35.2.2 Failure to comply with permits regarding pollution control.
 - 35.2.3 Insufficient construction materials or methods.
 - 35.2.4 Failure to provide a safe working environment in accordance with the US Department of Labor Occupational Safety and Health Administration (OSHA).
- 35.3 Upon notice of the Stop Work Order, the CONTRACTOR shall cease all contracted work except for the activities required to correct the problem and as directed by the COUNTY.
- 35.4 If the CONTRACTOR fails to correct the problem causing the Stop Work Order and there is immediate threat to the public's health, safety, or environmental protection, the COUNTY may perform any remedial activities necessary to protect the public and environment. Any costs incurred by the County in the performance of this work shall be deducted from monies due the Contractor or paid by the Contractor to the County.
- 35.5 No increase in the Contract Price or extension of the Contract Time will be granted for any delays or loss of time due to a Stop Work Order.

36 Correction or Removal of Defective Work

- 36.1 If required by the OWNER'S REPRESENTATIVE prior to approval of final payment, the CONTRACTOR will, promptly, without cost to the COUNTY and as specified by the OWNER'S REPRESENTATIVE, either correct any defective Work whether or not fabricated, installed or completed or, if the Work has been rejected by the OWNER'S REPRESENTATIVE, remove it from the site and replace it with non-defective Work. If the CONTRACTOR does not correct such defective Work or remove and replace such rejected Work within ten calendar days, all as specified in a written notice from the OWNER'S REPRESENTATIVE, the OWNER'S REPRESENTATIVE may have the deficiency corrected

or the rejected Work removed and replaced. All direct or indirect costs of such correction or removal and replacement shall be paid by the CONTRACTOR. The CONTRACTOR will also bear the expense of making good all Work of others destroyed or damaged by his correction, removal or replacement of his defective Work.

37 One Year Correction Period

37.1 If, after the approval of the final payment and prior to the expiration of one year after the date of Final Completion or such longer period of time as may be prescribed by law or by the terms of any applicable special guarantee required by the Contract Documents, any Work is found to be defective, the CONTRACTOR will promptly, without cost to the COUNTY, and in accordance with the OWNER'S REPRESENTATIVE'S written instructions, either correct such defective Work or, if it has been rejected by the OWNER'S REPRESENTATIVE, remove it from the site and replace it with non-defective Work. If, within seven calendar days, the CONTRACTOR does not comply with the terms of such instructions, the Bonding Company shall be notified of default and requested to make repairs or replacement, the COUNTY may have the defective Work corrected or the rejected Work removed and replaced. All direct and indirect costs of such removal and replacement shall be paid by the CONTRACTOR.

38 Acceptance of Defective Work

38.1 If, instead of requiring correction or removal and replacement of defective Work, the COUNTY prefers to accept it, the COUNTY may do so. In such case, if acceptance occurs prior to approval of final payment, a Change Order shall be issued incorporating the appropriate revisions to the Contract Documents including an appropriate reduction in the Contract Price. If the acceptance occurs after approval of the final payment, an appropriate amount shall be paid by the CONTRACTOR to the COUNTY.

39 Neglected Work By Contractor

39.1 If the CONTRACTOR should neglect to prosecute the Work in accordance with the Contract Documents, including any requirements of the progress schedule, the COUNTY may, after three calendar days written notice to the CONTRACTOR and without prejudice to any other remedy it may have, make good such deficiency and the cost thereof shall be charged against the CONTRACTOR. A Change Order shall be issued incorporating the appropriate revision to the Contract Documents including an appropriate reduction in the Contract Price. If the payments then or thereafter due the CONTRACTOR are not sufficient to cover such amount, the CONTRACTOR shall pay the difference to the COUNTY.

40 Payment and Completion

40.1 Schedule of Values

40.1.1 Within ten (10) calendar days after the effective date of the Agreement, the CONTRACTOR must submit a schedule of values of the Work including quantities and unit prices totaling to the Contract Price. This schedule shall be satisfactory in form and substance to the COUNTY and shall subdivide the Work into sufficient detail to serve as the basis for progress payments during construction. Upon approval of the schedule of values by the OWNER'S REPRESENTATIVE, it shall be incorporated into the Estimate and Requisition for Payment prescribed by the COUNTY. Unit Price Contracts shall have the bid proposal prices incorporated into the Estimate and Requisition for Payment.

40.2 Application for Progress Payment

40.2.1 Bid proposal units and unit prices shall serve as the basis for progress payments during construction. The bid proposal process shall be incorporated into the Estimate and Requisition for Payment Form No. CSD:505(4) prescribed by the COUNTY.

40.2.2 Not more often than once a month, nor less often than specified in the approved payment schedule, and on a date established at the Project Pre-Construction Conference, the CONTRACTOR will submit to the OWNER'S REPRESENTATIVE for review the Estimate and Requisition for Payment form filled out and signed by the CONTRACTOR covering the Work completed as of the date of the Application and supported by such data as the OWNER'S REPRESENTATIVE may reasonably require. Also, if payment is requested on the basis of materials and equipment not incorporated in the Work but delivered and suitably stored at the site or at another location agreed to in writing, the Application for Payment shall also be accompanied by such supporting data, satisfactory to the OWNER'S REPRESENTATIVE, as will establish the COUNTY'S title to the material and equipment and protect its interest therein, including applicable insurance. All progress payments will be subject to the retainage percentage specified in the Contract Documents. Such retainage shall be paid and will be issued in the final payment after acceptance by the COUNTY of the Work.

41 Contractor's Warranty of Title

41.1 The CONTRACTOR warrants and guarantees that title to all Work, materials and equipment covered by an application for progress payment, whether incorporated in the Project or not, will be passed to the COUNTY prior to the next making of application for progress payment, free and clear of all liens, claims, security interest and encumbrances; and that no Work, materials or equipment covered by an Application for Payment will have been acquired by the CONTRACTOR or by any other person performing the Work at the site or furnishing materials and equipment for the Project subject to an agreement under which an interest therein or encumbrance thereon is retained by the seller or otherwise imposed by the CONTRACTOR or such other person.

42 Approval of Payments

42.1 The OWNER'S REPRESENTATIVE will, within ten calendar days after receipt of each Application for Payment, either indicate his approval of payment and deliver the application to the COUNTY or return the Application to the CONTRACTOR indicating in writing the reason for refusing to approve payment. In the latter case, the CONTRACTOR may make the necessary corrections and re-submit the Application. The COUNTY will, within five calendar days after receipt of each approved application for payment, either indicate their approval of payment, and within fifteen calendar days pay the CONTRACTOR the amount approved, or return the application to the CONTRACTOR thru the OWNER'S REPRESENTATIVE indicating in writing the reason for refusing to approve payment. In the latter case, the CONTRACTOR may make the necessary corrections and resubmit the application to the OWNER'S REPRESENTATIVE.

42.2 The OWNER'S REPRESENTATIVE'S approval of any payment requested in an Application for Payment shall constitute a representation by him to the COUNTY, based on the OWNER'S REPRESENTATIVE'S on-site observations of the Work in progress and on his review of the Application for Payment and the supporting data that the CONTRACTOR is entitled to

payment of the amount approved.

- 42.3 The OWNER'S REPRESENTATIVE'S approval of final payment shall constitute an additional representation by him to the COUNTY that the conditions precedent to the CONTRACTOR'S being entitled to final payment as set forth have been fulfilled.
- 42.4 The OWNER'S REPRESENTATIVE may refuse to approve the whole or any part of any payment if in his opinion; he is unable to make such representations to the COUNTY. He may then refuse to approve any such payment because of subsequently discovered evidence or the results of subsequent inspections or test, nullify any such payment previously approved, to such extent as may be necessary in his opinion to protect the COUNTY from loss because:
- 42.4.1 The Work is defective;
 - 42.4.2 A portion of such payment is the subject of a dispute or claim that has been filed;
 - 42.4.3 The Contract Price has been reduced because of Modifications;
 - 42.4.4 The COUNTY has been required to correct defective Work or complete the Work, or of unsatisfactory prosecution of the Work, including failure to clean up as required.

43 Substantial Completion

- 43.1 Prior to final payment, the CONTRACTOR shall, in writing to the OWNER'S REPRESENTATIVE, certify that the entire Project is substantially complete and request that the OWNER'S REPRESENTATIVE issue a Certificate of Substantial Completion. Within fourteen calendar days thereafter, the OWNER'S REPRESENTATIVE and the CONTRACTOR will make an inspection of the Project to determine the status of completion. If the COUNTY does not consider the Project substantially complete, it will notify the CONTRACTOR in writing giving the reasons therefore. If the COUNTY considers the Project substantially complete, a Certificate of Substantial Completion will be issued. This certificate shall fix the date of Substantial Completion and the responsibilities between the COUNTY and the CONTRACTOR for maintenance, heat and utilities. The Certificate of Substantial Completion will also include a punch list of items to be completed or corrected, said time to be within the Contract Time. The COUNTY shall have the right to exclude the CONTRACTOR from the Project after the date of Substantial Completion but the COUNTY will allow the CONTRACTOR reasonable access to complete items on the punch list.

44 Partial Utilization

- 44.1 Prior to final payment, the OWNER'S REPRESENTATIVE may request the CONTRACTOR to permit the use of a specified part of the Project which the COUNTY believes it may use without significant interference with construction of the other parts of the Project. If the CONTRACTOR agrees, he will certify to the OWNER'S REPRESENTATIVE that said part of the Project is substantially complete and request the OWNER'S REPRESENTATIVE to issue a Certificate of Substantial Completion for that part of the Project. Within fourteen calendar days thereafter, the OWNER'S REPRESENTATIVE and the CONTRACTOR will make an inspection of that part of the Project to determine its status of completion. If the COUNTY considers that part of the Project to be substantially complete, the OWNER'S REPRESENTATIVE will deliver to the CONTRACTOR a certificate to that effect, fixing the date of Substantial Completion as to that part of the Project, and listing the punch list of items to be completed or corrected before final payment and fixing the responsibility between the COUNTY and the CONTRACTOR for maintenance, heat and utilities as to that part of the Project. The COUNTY shall have the right to exclude the CONTRACTOR from any part of the Project which is so certified to be substantially complete but the COUNTY will allow the

CONTRACTOR reasonable access to complete or correct items on the punch list.

45 Final Inspection

- 45.1 Upon written notice from the CONTRACTOR that the Project is complete, the OWNER'S REPRESENTATIVE will make a final inspection with the CONTRACTOR and will notify the CONTRACTOR in writing of any particulars which this inspection reveals that the Work is defective. The CONTRACTOR shall immediately make such corrections as are necessary to remedy the defects within a reasonable time.

46 Final Inspection for Payment

- 46.1 After the CONTRACTOR has completed any such corrections to the satisfaction of the OWNER'S REPRESENTATIVE and delivered all maintenance and operating instructions, schedules, guarantees, bonds, Certificates of Inspection and other documents as required by the Contract Documents, he may make application for final payment following the procedure for progress payments. The final Application for Payment shall be accompanied by legally effective final releases or waivers of liens from the CONTRACTOR and all SUB-CONTRACTORS which performed services for the CONTRACTOR pursuant to the Contract Documents and the consent of surety, if applicable to final payment.

47 Approval of Final Payment

- 47.1 If, on the basis of its observations and review of the Work during construction, its final inspection and its review of the final Estimate and Requisition for Payment, all as required by the Contract Documents, the OWNER'S REPRESENTATIVE is satisfied that the Work has been completed and the CONTRACTOR has fulfilled all of his obligations under the Contract Documents, it will, within ten calendar days after receipt of the final Application for Payment, indicate in writing its approval of payment and deliver the application to the COUNTY. Otherwise, it will return the Application to the CONTRACTOR, indicating in writing its reason for refusing to approve final payment, in which case the CONTRACTOR will make the necessary corrections and re-submit the Application. The COUNTY will, within fifteen calendar days after receipt of approved application for final payment, either indicate their approval of the estimate and requisition application for payment and within fifteen calendar days pay the CONTRACTOR the amount approved by the COUNTY and issue a Certificate of Final Completion or return the application thru the OWNER'S REPRESENTATIVE indicating in writing the reason for refusing to approve payment. In the latter case, the CONTRACTOR may make the necessary corrections and resubmit the application to the OWNER'S REPRESENTATIVE.
- 47.2 If, after substantial Completion of the Work, final completion is materially delayed through no fault of the CONTRACTOR, and the OWNER'S REPRESENTATIVE so confirms, the COUNTY shall and without terminating the Agreement, make payment of the balance due for that portion of the Work fully completed and accepted. If the remaining balance for Work not fully completed or corrected is less than the retainage stipulated in the Agreement, and if bonds have been furnished as required, the written consent of the Surety to the payment of the balance due for that portion of the Work fully completed and accepted shall be submitted by the CONTRACTOR to the OWNER'S REPRESENTATIVE, prior to certification of such payment. Such payment shall be made under the terms and conditions governing final payment, except that it shall not constitute a waiver of claims.
- 47.3 If liquidated damages are to be deducted from the final payment, the COUNTY shall so notify

the CONTRACTOR in writing at least seven calendar days prior to the COUNTY'S submittal to Finance.

- 47.4 The Contractor will be required to submit with his final payment documents a DBE Participation Certification, indicating all DBE sub-contractor(s) and amount(s) utilized for the project.
- 47.5 If the CONTRACTOR did not utilize the DBE firm(s) listed on the Bid Proposal, a letter of justification, as to why shall be submitted along with the DBE Participation Certification.
- 47.6 At the final completion of the construction project if the county project manager experienced problems with the CONTRACTOR the project manager will prepare a Contractor Performance Evaluation, and forward to the Contractor for review, comment and signature.
- 47.7 Upon receipt of the Contractor Performance Evaluation the CONTRACTOR will have seven calendar days, from the date received, to review, comment, sign and return back to the project manager. If the evaluation has not been received back from the CONTRACTOR within the seven calendar days, the COUNTY will assume the CONTRACTOR fully agrees with and has no comments to the evaluation. The evaluation will then be placed on file with Lee County Procurement Management.

48 Contractor's Continuing Obligation

- 48.1 The CONTRACTOR'S obligation to perform the Work and complete the Project in accordance with the Contract Documents shall be absolute. Neither approval of any progress or final payment by the COUNTY, the issuance of the Certificates of Completion, any payment by the COUNTY to the CONTRACTOR under the Contract Documents, any use or occupancy of the Project or any part thereof by the COUNTY, any act of acceptance by the COUNTY, any failure to do so, nor any correction of defective Work by the COUNTY shall constitute an acceptance of Work not in accordance with the Contract Documents.

49 Waiver of Claims

- 49.1 The making and acceptance of final payment shall constitute:
 - 49.1.1 A waiver of all claims by the COUNTY against the CONTRACTOR other than those arising from unsettled liens, from defective Work appearing after final payment or from failure to comply with the requirements of the Contract Documents, or from the terms of any special guarantees specified therein, and,
 - 49.1.2 A waiver of all claims by the CONTRACTOR against the COUNTY other than those previously made in writing and still unsettled.

50 Suspension of Work and Termination

- 50.1 County May Suspend Work
 - 50.1.1 The COUNTY may at any time and without cause suspend the Work or any portion thereof for a period of not more than ninety calendar days by notice in writing to the CONTRACTOR. The COUNTY shall fix the date on which Work shall be resumed and the CONTRACTOR will resume the Work on the date so fixed. The CONTRACTOR will be allowed an increase in the Contract Price, an extension of the Contract Time or both, if such increases are justified and directly attributable to any COUNTY suspension and if he makes a claim thereof.

51 County May Terminate

- 51.1 If the CONTRACTOR is adjudged bankrupt or insolvent, if he makes a general assignment for

the benefit of his creditors, if a trustee or receiver is appointed for the CONTRACTOR or for any of his property, if he files a petition to take advantage of any debtor's act or reorganizes under the bankruptcy or similar laws, if he repeatedly fails to supply sufficient skilled workmen or suitable materials or equipment, if he repeatedly fails to make prompt payments to SUB-CONTRACTORS for labor, materials or equipment, if he disregards laws, ordinances, rules, regulations or orders of any public body having jurisdiction, if he disregards the authority of the OWNER'S REPRESENTATIVE, or if he otherwise substantially violates any provisions of the Contract Documents, then the COUNTY may, without prejudice to any other right or remedy and after giving the CONTRACTOR and his surety seven (7) calendar days' written notice, terminate the services of the CONTRACTOR and take possession of the Project and all materials, equipment, tools, construction equipment and machinery thereon owned by the CONTRACTOR and finish the Work by whatever method the COUNTY may deem expedient or arrange with the Surety to complete the project. The CONTRACTOR, if notified by the COUNTY to do so, shall promptly remove any part of his equipment and supplies from the property of the COUNTY; failing, the COUNTY shall have the right to remove such equipment and supplies at the expense of the CONTRACTOR.

- 51.2 In such case the CONTRACTOR shall not be entitled to receive any further payment until the Work is finished. If the unpaid balance of the Contract Price exceeds the direct and indirect cost of completing the Project, including compensation for additional professional services, such excess shall be paid to the CONTRACTOR. If such cost exceeds such unpaid balance, the CONTRACTOR will pay the difference to the COUNTY. Such cost incurred by the COUNTY will be determined by the COUNTY and incorporated in a Change Order.
- 51.3 Where the CONTRACTOR'S services have been so terminated by the COUNTY, said termination shall not affect any rights of the COUNTY against the CONTRACTOR then existing or which may thereafter accrue.
- 51.4 If so terminated, any retention or payment of monies by the COUNTY due the CONTRACTOR will not release the CONTRACTOR from liability accruing under this Contract.
- 51.5 If after notice of termination of the CONTRACTOR'S right to proceed under the provisions of this clause, it is determined for any reason that the CONTRACTOR was not in default under the provisions or that the delay was excusable, the rights and obligations of the parties shall be the same as if the notice of termination had not been issued.
- 51.6 Upon thirty (30) calendar days' written notice to the CONTRACTOR, the COUNTY may without cause and without prejudice to any other right or remedy elect to abandon the Project and terminate the Agreement. In such case the CONTRACTOR shall be paid for all Work executed and any expense sustained plus a reasonable profit.

52 Contractor May Stop Work or Terminate The Contract

- 52.1 If through no fault of the CONTRACTOR, or a Sub-contractor, or their agents or employees or any other persons performing portions of the Work under Contract with the CONTRACTOR, the WORK is suspended for a period of more than ninety calendar days by the COUNTY or under an order of court or other public authority, or the OWNER'S REPRESENTATIVE has not issued a certificate for payment and has not notified the CONTRACTOR of the reason for withholding certification or because the COUNTY has not made payment on a certificate for payment within the time stated in the Contract Documents, then the CONTRACTOR may, upon seven calendar days written notice to the COUNTY and the OWNER'S REPRESENTATIVE, terminate the Agreement and recover from the COUNTY payment for all Work executed and proven loss with respect to materials, equipment, tools and

- construction equipment and machinery, including reasonable overhead, profit and damages.
- 52.2 In addition and in lieu of terminating the Agreement, if the OWNER'S REPRESENTATIVE has failed to act on an application for payment or the COUNTY has failed to make any payment as aforesaid, the CONTRACTOR may upon seven calendar days written notice to the COUNTY and the OWNER'S REPRESENTATIVE stop the Work until payment of all amounts then due. The provisions of this paragraph shall not relieve the CONTRACTOR of the obligation to carry on the Work in accordance with the progress schedule and without delay during disputes and disagreements with the COUNTY.

53 Miscellaneous

53.1 General

- 53.1.1 All Specifications, Drawings and copies thereof furnished by the COUNTY, to the CONTRACTOR, shall remain the COUNTY'S property. They shall not be used on another Project.
- 53.1.2 The duties and obligations imposed by these General Conditions and the rights and remedies available hereunder, and, in particular but without limitation, the warrants, guarantees and obligations imposed upon the CONTRACTOR and the rights and remedies available to the COUNTY thereunder shall be in addition to and not a limitation of any otherwise imposed or available by law, by special guarantee or other provisions of the Contract Documents.
- 53.1.3 Should the COUNTY or the CONTRACTOR suffer injury or damage to its person or property because of any error, omission or act of the other or any of his employees, agents, or others for whose acts he is legally liable, claim should be made in writing to the other party within seven calendar days of the first observance of such injury or damage.
- 53.1.4 The Contract Documents shall be governed by the laws of the State of Florida, the County of Lee, and the municipality in which the project is being done.
- 53.2 Right-of-Way Station Boards: The CONTRACTOR must establish and maintain throughout construction the right-of-way station boards at every even station within ten (10) days after the Notice to Proceed to assist and expedite construction and utility coordination. No additional compensation or separate pay item will be made for this work.
- 53.3 Abbreviations: Reference in the technical specifications to the specifications or requirements of technical societies, associated organization, or bodies shall mean their most current specifications. These groups are identified in the technical specifications.
- 53.4 Use of Public Streets: The use of public streets and roads shall be such as to minimize any inconvenience to the public and to other traffic. Any earth or other excavation materials spilled from trucks shall be removed by the CONTRACTOR and the streets and roads shall be cleaned by the CONTRACTOR to the satisfaction of the COUNTY.
- 53.5 Damage to Existing Property, Structures and Utilities: The CONTRACTOR shall be held responsible for and shall repair all damage to pavement beyond the limits of the contract or outside the right-of-way. Also, the CONTRACTOR shall repair if damaged buildings, telephone or other cables, poles, signs, mailboxes, irrigation piping, water pipes, sanitary pipes, or other structures which may be encountered, whether or not they are shown on the Drawings. Information shown on the Drawings as to the location of existing utilities has been prepared from the most reliable data available to the Engineer. However, this information is not guaranteed, and it shall be the CONTRACTOR'S responsibility to determine the location, character, and depth of any existing utilities. The CONTRACTOR shall assist the utility

companies, by every means possible, to determine said locations. The CONTRACTOR shall exercise extreme caution to eliminate any possibility of any damage to utilities resulting from his activities.

53.5.1 At least two (2) business days prior to excavating any section of the Work, the CONTRACTOR shall call the utility companies noted on the plans and inform them that Work on the specific section is about to commence and request that they field locate their underground utilities.

53.5.2 When proceeding with the Work, the CONTRACTOR shall exercise due caution to protect all underground and overhead utilities and existing structures from damage. In keeping with the Trench Safety Act, the CONTRACTOR shall provide all sheeting, shoring, and bracing that may be required to properly protect adjacent property, structures and people. The CONTRACTOR shall repair, to the satisfaction of the OWNER, any surface or subsurface Improvement damaged during the course of the Work (unless such improvement is shown to be abandoned or removed) whether or not such improvement is shown on the Drawing. Should any utilities be encountered that are not shown on the Drawing, the CONTRACTOR shall immediately notify the OWNER'S REPRESENTATIVE and shall take all due caution necessary to protect the utility.

53.6 Adjustment of Grades: Adjustments of grades shown on Drawings may be necessary to conform to actual field conditions or to maintain cover under proposed future grades. Such adjustments shall be considered part of the job conditions and no extra compensation will be allowed for such changes, except where specifically otherwise noted in the plans or specifications. Such adjustments must be approved by the OWNER'S REPRESENTATIVE prior to being made.

53.7 Existing Drainage: Existing drainage shall be maintained at all times and drainage under construction shall be left open so as not to cause flooding due to blockage. Any damage to construction caused by this requirement shall be the responsibility of the CONTRACTOR.

53.8 Reference to Other Specifications

53.8.1 Reference to FDOT Specifications shall mean the State of Florida Department of Transportation Standard Specifications for Road and Bridge Construction dated July 2016 and supplements thereto unless specifically stated otherwise in the Contract Documents. Where an FDOT Specification section cites or contains references to other sections, they shall also be included as though cited herein. Where FDOT Specifications refer to the "Engineer", "Engineer of Test" or "Division of Test", it shall be understood to mean the OWNER'S REPRESENTATIVE or his designee. Where FDOT Specifications refer to the "Department", it shall mean the Department of Transportation of Lee County, Florida.

53.8.2 In case of conflict between the referenced FDOT Specifications and the Contract Documents, the Contract Documents shall govern.

53.8.3 Reference to AASHTO and ASTM are to the latest editions of published text of the American Association of Highway and Transportation Officials and the American Society for Testing and Materials, respectively.

53.9 Shoring

53.9.1 Unless trench banks are cut back on a stable slope, sheet and brace trenches shall be used as necessary to prevent caving or sliding, to provide protection for workmen and the pipe, and to protect adjacent structures and facilities. The CONTRACTOR shall not brace sheeting against the pipe, but shall brace it so that no concentrated loads of

horizontal thrust are transmitted to the pipe. If portable metal box is used for bracing the slopes, the CONTRACTOR shall take care not to disturb the pipe when the box is removed.

- 53.9.2 The CONTRACTOR must comply with the Trench Safety Act, Florida Statutes Sections 553.60 – 553.64. Cost of compliance is not a separate pay item. Costs shall be included in the cost of pipe placement.
- 53.10 Dewatering: Dewatering of excavations, trenches, structures and utilities may be required. The CONTRACTOR shall be responsible for obtaining water use permits for dewatering operations, as necessary, from the South Florida Water Management District. No separate payment will be made for dewatering operations or procurement of dewatering permits. Costs shall be included in the cost of items as included in the Bid Form.
- 53.11 Excess Excavated Material: Unless otherwise specified, all excavated material in excess of the needs for backfill and area fill shall become the property of the CONTRACTOR, and the CONTRACTOR shall remove same from the project.
- 53.12 Asphalt Paving Conference: A pre-paving conference shall be held prior to any asphalt placement. The conference is intended to closely coordinate the CONTRACTOR'S plant and site personnel with the COUNTY'S plant and field inspectors and establish expected quality assurance procedures. The CONTRACTOR shall not perform any paving prior to this conference.
- 53.13 Rock Excavation: All excavations for the installation of pipes, structures, foundations, or other contract items shall be unclassified and no additional or separate payment for rock excavation shall be provided nor shall additional or separate payment be made for backfill required to compensate for excavated rock material that cannot be reused as backfill.
- 53.14 Permits
- 53.14.1 Copies of permits for this project other than for dewatering or NPDES will be provided by the COUNTY.
- 53.14.2 The CONTRACTOR shall abide by all conditions, statutes, and regulations issued by the jurisdiction authorities, boards and agencies of the COUNTY, State and Federal Governments. The CONTRACTOR shall be fully responsible for the execution and adherence to all directives, instructions, conditions, issuance of notices, special conditions, and limiting conditions contained in permits specifically issued for this project and which pertain to or affect the construction phase of this project. Except as may be provided elsewhere in these documents, the cost of materials, supplies, labor testing, permit fees and other direct or indirect expenses required to abide by or execute conditions of the permits shall be paid for by the CONTRACTOR. There is no direct or specific payment item in the bid for cost due to compliance with said permits. The CONTRACTOR'S reimbursement for said costs shall be distributed within the various items of work and materials associated with the construction of the project.
- 53.15 Field Office: CONTRACTOR is not required to provide a field office within the project limits as long as CONTRACTOR has a field office within Lee, Collier or Charlotte County prior to bidding. If CONTRACTOR does not have an established office within Lee, Collier or Charlotte County, then the CONTRACTOR shall provide and staff a field office within the project limits for the entire project duration, per FDOT requirements. This item shall be compensated under the mobilization item and no separate payment will be made. The CONTRACTOR shall coordinate the location of this field office with the Lee County Project Manager prior to the issuance of the Notice to Proceed.

54 Computation of Time

- 54.1 When any period of time is referred to in the Contract Documents by days, it will be computed to exclude the first and include the last day of such period. If the last day of any such period falls on a Saturday or Sunday or on a day made a legal holiday by the law of the applicable jurisdiction, such day will be omitted from the computation.

55 Maintenance of Records

- 55.1 The CONTRACTOR shall keep adequate records and supporting documents applicable to this contractual matter. Said records and documentation will be retained by the CONTRACTOR for a minimum of five years from the date of termination of this Contract. The COUNTY and its authorized agents shall have the right to audit, inspect and copy records and documentation as often as the COUNTY deems necessary during the period of this Contract and during the period of five years thereafter; provided, however, such activity shall be conducted only during normal business hours. The COUNTY, during the period of time expressed by the preceding sentence, shall also have the right to obtain a copy of, and otherwise inspect, any audit made at the direction of the CONTRACTOR as concerns the aforesaid records and documentation.

- 55.2 Vendor specifically acknowledges its obligations to comply with §119.0701, F.S., with regard to public records, and shall:

- 55.2.1 keep and maintain public records that ordinarily and necessarily would be required by the County in order to perform the services required under this Agreement;
- 55.2.2 provide the public with access to public records on the same terms and conditions that the County would provide the records and at a cost that does not exceed the cost provided in Chapter 119, Florida Statutes, or as otherwise provided by law;
- 55.2.3 ensure that public records that are exempt or confidential and exempt from public records disclosure requirements are not disclosed, except as authorized by law; and
- 55.2.4 meet all requirements for retaining public records and transfer, at no cost to the County, all public records in possession of Vendor upon termination of this Agreement and destroy any duplicate public records that are exempt or confidential and exempt from public records disclosure requirements. All records stored electronically must be provided to the County in a format that is compatible with the information technology system of the County.

- 55.3 **IF THE VENDOR HAS QUESTIONS REGARDING THE APPLICATION OF CHAPTER 119, FLORIDA STATUTES, TO THE VENDOR'S DUTY TO PROVIDE PUBLIC RECORDS RELATING TO THE CONTRACT, CONTACT THE CUSTODIAN OF PUBLIC RECORDS AT 239-533-2221, 2115 SECOND STREET, FORT MYERS, FL 33901, <http://www.leegov.com/publicrecords>.**

56 Federal Requirements

- 56.1 In the event this Contract is paid in whole or in part from any Federal Governmental agency or source, the specific terms, regulations and requirements governing the disbursement of these funds are incorporated by reference and made a part of this Contract as if attached hereto and become a part of this clause.

End of General Conditions Section

SCOPE OF WORK AND SPECIFICATIONS

1. SCOPE

Lee County has issued this solicitation to secure a qualified, licensed, and insured contractor for the purchase, delivery, and turnkey replacement of 4 Air Handler Units at the Melvin Morgan Constitutional Complex (MMCC). The potential contractor shall remove existing AHUs on the 4th Floor and replace with Daikin AHUs. The contractor shall replace the existing controls on the 4th Floor and the chiller plant with Automated Logic Controls. The contractor shall replace all existing ducting in both mechanical rooms with new ducting that has exterior duct board per code. All removed HVAC controllers shall be returned to Facilities Construction Management. All permits and engineering shall be included with the bid proposal. Please see Section A at the end of the document for diagrams and specifications for this project.

2. BASIS OF AWARD

The contract for these services will be awarded to the overall lowest, responsive and responsible bidder (Grand Total) meeting **all** specification requirements. All qualifiers listed in the bid documents must be met by vendor and all applicable subcontractors to be considered for the lowest bidder. All supporting documentation should be submitted with the bid package for verification. The County may request additional information for verification. It is the sole discretion of Lee County in determining if all qualifiers have been met. The County reserves the right to award the contract in part or in whole, whichever is in the best interest of the County.

3. SUBMITTAL REQUIREMENTS

To be eligible to for award, the contractor must demonstrate that it, or its Sub-Contractor(s) have sufficient capabilities, resources and experience to provide the Services under this Solicitation. Contractors must be properly registered to practice their profession and licensed to engage in contracting in the State of Florida at the time of Bid submission.

The contractors will be required to submit copies of the following:

Copy of Florida Class A Mechanical License

References at a minimum, Respondent should provide at least three (3) references of clients to which it has provided said Services. If available, such references should be representatives of Florida jurisdictions to which the Respondent is currently providing, or has provided, Services within the last five (5) years.

4. DELIVERY REQUIREMENTS

The grand total cost shall include **DELIVERY**, (F.O.B. Ft Myers, FL) of the equipment as directed to Lee County. The awarded Vendor shall have a representative present to inspect, accept, and secure all delivered materials and equipment.

5. PRICING

The grand total cost bid shall include turnkey installation of the units, including the removal and replacement of any reused, additional, or incidental items. There will be no change orders allowed or approved under this agreement. Contractor shall be responsible for all permits and fees and shall include that in the bid proposal. A crane may be required at the cost of the awarded vendor. The County reserves the right to do a direct material purchase of the unit if it's deemed in the best interest of the County.

6. SHUT DOWN / STARTUP

During removal and installation, every effort shall be made to limit the down time. In the event that the shutdown of both units is unavoidable, the Contractor shall provide portable A/C units to maintain air-conditioning throughout the building at no additional cost to the County.

7. Warranty and Acceptance

Manufacturer's First (1st) year parts warranty from date of equipment start-up not to exceed eighteen (18) months from date of shipment, whichever occurs first.

8. PERMITS

All vendors shall provide mechanical, electrical, and fire permits at no cost to the county.

*See Section A for technical requirements.

End of Scope of Work and Specifications Section

REQUIRED FORMS

INVITATION TO BID

These forms are required and should be submitted with all submissions. If it is determined that forms in this selection are not applicable to your company or solicitation they should be marked "N/A or Not Applicable" across the form in large letters and returned with your submission package. **Note:** If submitting via hard copy the original must be a manually signed original. Include additional copies, if specified, in the Solicitation documents.

<u>Form #</u>	<u>Title/Description</u>
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1	<i>Solicitation Response Form</i>
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All signatures must be by a corporate authorized representative, witnessed, and corporate and/or notary seal (as applicable.) The corporate or mailing address must match the company information as it is listed on the Florida Department of State Division of Corporations. Attach a copy of the web-page(s) from <http://www.sunbiz.org> as certification of this required information. Sample attached for your reference.

Verify that all addenda and tax identification number have been provided.

1a	<i>Bid/Proposal Form</i>
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This form is used to provide itemization of project cost. A more detailed "schedule of values" may be requested by the County

1b	<i>Business Relationship Disclosure Requirement</i> (as applicable)
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Sections 112.313(3) and 112.313(7), FL §, prohibit certain business relationships on the part of public officers and employees, their spouses, and their children. If this **disclosure is applicable request form** "INTEREST IN COMPETITIVE BID FOR PUBLIC BUSINESS" (Required by 112.313(12)(b), FL § (1983)) to be completed and **returned with solicitation response**. **It is the Bidder's responsibility to request form and disclose this relationship, failure to do so could result in being declared non-responsive.**

NOTICE: UNDER THE PROVISIONS OF FL § 112.317 (1983), A FAILURE TO MAKE ANY REQUIRED DISCLOSURE CONSTITUTES GROUNDS FOR AND MAY BE PUNISHED BY ONE OR MORE OF THE FOLLOWING: IMPEACHMENT, REMOVAL OR SUSPENSION FROM OFFICE OR EMPLOYMENT, DEMOTION, REDUCTION IN SALARY, REPRIMAND, OR A CIVIL PENALTY NOT TO EXCEED \$5,000.00.

2	<i>Affidavit Certification Immigration Laws</i>
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Form is acknowledgement that the Bidder is in compliance in regard to Immigration Laws.

3 *Reference Survey*

Provide this form to reference respondents. For Bids, this form will be requested from the apparent low Bidder prior to the award. (not required to submit with bid)

1. **Section 1:** Bidder/Proposer to complete with reference respondent's information prior to providing to them for their response. (This is **not** the Bidder/Proposer's information.)
2. **Section 2:** Enter the name of the Bidder/Proposer; provide the project information in which the reference respondent is to provide a response.
3. The reference respondent should complete "**Section 3.**"
4. **Section 4:** The reference respondent to print and sign name
5. **Reference responses** are to be provided upon request.
6. Failure to obtain reference surveys may make your company non-responsive.

4 *Negligence or Breach of Contract Disclosure Form*

The form may be used to disclose negligence or breach of contract litigation that your company may have been a part of over the past ten (10) years. You may need to duplicate this form to list all history. If the Bidder has more than ten (10) lawsuits, you may narrow them to litigation of the company or subsidiary submitting the Solicitation Response. Include, at a minimum, litigation for similar projects completed in the State of Florida. Final outcome should include in whose favor the litigation was settled and whether a monetary amount was awarded. The settlement amount may remain anonymous.

If you have **no litigation**, enter "**None**" in the first "**type of incident**" block of the form. Please do not write N/A on this form.

5 *Affidavit Principal Place of Business*

Certifies Bidder's location information.

6 *Sub-Contractor List* (as applicable)

To be completed and returned when sub-contractors are to be utilized and are known at the time of the submission.

7 *Public Entity Crime Form*

Any person or affiliate as defined by statute who has been placed on the convicted vendor list following a conviction for a public entity crime may not submit a bid or a contract to provide any goods or services to the County; may not submit a bid on a contract with the County for the construction or repair of a public building or a public work; may not submit bids or leases of real property to the County; may not be awarded or perform works as a contractor, supplier, subcontractor, or consultant under a contract with the County, and may not transact business with the County in excess of \$25,000.00 for a period of 36 months from the date of being placed on the convicted vendor list.

8 *Trench Safety* (Required for Construction Projects Only)

Self explanatory.

9 *Bid Bond* (as applicable)

Self explanatory

Bid/Proposal Label (Required)

Self explanatory. Please affix to the outside of the sealed submission documents.

Include any licenses or certifications requested (as applicable)

Local Business Tax Account (as applicable) issued by City and/or County entity. This is necessary for all Florida vendors.

It is the Bidder's responsibility to insure the Solicitation Response is mailed or delivered in time to be received no later than the specified opening date and time. (If solicitation is not received prior to deadline it cannot be considered or accepted.)

Form 1 – Solicitation Response Form



LEE COUNTY
SOUTHWEST FLORIDA

LEE COUNTY PROCUREMENT MANAGEMENT
SOLICITATION RESPONSE FORM

Date Submitted: _____ Deadline Date: 5/21/2018

SOLICITATION IDENTIFICATION: B180100GWT

SOLICITATION NAME: Melvin Morgan Constitutional Complex Air Handler Unit

COMPANY NAME: _____

NAME & TITLE: (TYPED OR PRINTED) _____

BUSINESS ADDRESS:
(PHYSICAL) _____

CORPORATE OR MAILING ADDRESS: _____

☐ SAME AS PHYSICAL

ADDRESS MUST MATCH SUNBIZ.ORG _____

E-MAIL ADDRESS: _____

PHONE NUMBER: _____ FAX _____

NOTE REQUIREMENT: IT IS THE **SOLE RESPONSIBILITY OF THE BIDDER/PROPOSER TO CHECK LEE COUNTY PROCUREMENT MANAGEMENT WEB SITE** FOR ANY ADDENDA ISSUED FOR THIS PROJECT. THE COUNTY WILL POST ADDENDA TO THIS WEB PAGE, BUT WILL **NOT NOTIFY**.

By responding to this sealed solicitation, the Bidder/Proposer makes all representations required by the instructions and further warrants and represents that: Bidder/Proposer has examined copies of all the solicitation documents and of the following addenda:

No. _____	Dated: _____	No. _____	Dated: _____	No. _____	Dated: _____
No. _____	Dated: _____	No. _____	Dated: _____	No. _____	Dated: _____

Tax Payer Identification Number: _____

(1) Employer Identification Number -OR- (2) Social Security Number:

**** Lee County collects your social security number for tax reporting purposes only**

Please submit a copy of your registration from the website www.sunbiz.org establishing your firm as authorized (including authorized representatives) to conduct business in the State of Florida, as provided by the *Florida Department of State, Division of Corporations. (a sample is attached for your reference)*

1 **Collusion Statement:** Lee County, Florida The undersigned, as Bidder/Proposer, hereby declares that no person or other persons, other than the undersigned, are interested in this solicitation as Principal, and that this solicitation is submitted without collusion with others; and that we have carefully read and examined the specifications or scope of work, and with full knowledge of all conditions under which the services herein is contemplated must be furnished, hereby bid/propose and agree to furnish this service according to the requirements set out in the solicitation documents, specifications or scope of work for said service for the prices as listed on the county provided price sheet or (CCNA) agree to negotiate prices in good faith if a contract is awarded.

2 **Scrutinized Companies Certification:**

Section 287.135, FL §, "Prohibition against contracting with scrutinized companies." Prohibits agencies from contracting with companies, for goods or services over \$1,000,000, that are on the Scrutinized Companies with Activities in Sudan List, the Scrutinized Companies with Activities in the Iran Petroleum Energy Sector List, Scrutinized Companies that Boycott Israel List, have been engaged in a boycott of Israel, or been engaged in business operations in Cuba or Syria. The County reserves the right to review, on a case-by-case basis, and waive this stipulation if it is deemed to advantageous to the County.

As the person authorized to sign on behalf of Respondent, I hereby certify that the company identified above is in compliance with Section 287.135, FL §. I understand that submission of a false certification may subject company to contract termination, civil penalties, attorney's fees, and/or costs.

Form#1 – Solicitation Form, Page 2

- 3 **Business Relationship Disclosure Requirement:** Sections 112.313(3) and 112.313(7), FL §, prohibit certain business relationships on the part of public officers and employees, their spouses, and their children. See Part III, Chapter 112, FL §, and/or the brochure entitled "A Guide to the Sunshine Amendment and Code of Ethics for Public Officers, Candidates and Employees" for more details on these prohibitions. However, Section 112.313(12), FL § (1983), provides certain limited exemptions to the above-referenced prohibitions, including one where the business is awarded under a system of sealed, competitive bidding; the public official has exerted no influence on bid negotiations or specifications; and where disclosure is made, prior to or at the time of the submission of the bid, of the official's or his spouse's or child's interest and the nature of the intended business. The Commission on Ethics has promulgated this form for such disclosure, if and when applicable to a public officer or employee.

If this disclosure is applicable request form "INTEREST IN COMPETITIVE BID FOR PUBLIC BUSINESS" (Required by 112.313(12)(b), FL § (1983)) to be completed and returned with solicitation response. It is the bidder/proposer's responsibility to disclose this relationship, failure to do so could result in being declared non-responsive.

☐ **Business Relationship Applicable (request form)**

☐ **Business Relationship NOT Applicable**

- 4 Disadvantaged Business Enterprise (DBE) bidder/proposer? If yes, please attach a current certificate.

Yes

No

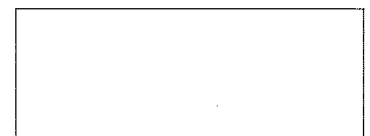
ALL SUBMISSIONS MUST BE EXECUTED BY AN AUTHORIZED AUTHORITY OF THE BIDDER/PROPOSER, WITNESSED AND SEALED (AS APPLICABLE)

Company Name (Name printed or typed)

Authorized Representative Name (printed or typed)

Authorized Representative's Title (printed or typed)

Authorized Representative's Signature



(Affix Corporate Seal, as applicable)

Witnessed/Attested by:

(Witness/Secretary name and title printed or typed)

Witness/Secretary Signature

Any blank spaces on the form(s), qualifying notes or exceptions, counter offers, lack of required submittals, or signatures, on County's Form may result in the submission being declared non-responsive by the County.

Detail by Entity Name**Florida Profit Corporation**

Bill's Widget Corporation

Filing Information

Document Number 655555
FB/EIN Number 511111111
Date Filed 09/22/1999
State FL
Status ACTIVE
Last Event AMENDED AND RESTATED ARTICLES
Event Date Filed 07/25/2006
Event Effective Date NONE

Principal Address Verify either Principal or Mailing address is on Form 1

555 N Main Street
Your Town, USA 99999

Changed 02/11/2012

Mailing Address

555 N Main Street
MYour Town, USA 99999

Changed 02/11/2012

Registered Agent Name & Address

My Registered Agent
111 Registration Road
Registration, USA99999

Name Changed: 12/14/2006

Address Changed: 12/14/2006

Officer/Director Detail**Name & Address****Title P**

President, First
555 AVENUE
Anytown, USA99999

Title V

President, Second
555 AVENUE
Anytown, USA99999

IMPORTANT:

For corporations, ALL documents must be signed by the president of the company or an authorized individual. For any individual other than the president, we will need one of the following to confirm their authority to sign:

1. a corporate resolution by the Board of Directors, or
2. an extract of minutes, or
3. an extract of Vote by the Board of Directors

If the company's articles of incorporation identify additional positions that have the power to bind the corporation, we will accept the articles of incorporation with verification from the president that a certain individual serves in that role (e.g., the president confirms that John Doe is the CEO, and the articles of incorporation provide that the CEO has the power to bind the company).

With respect to an LLC, the authority to bind a limited liability company is controlled by Florida statute. Managers or managing members have inherent authority to bind an LLC.

If the president of a corporation or a manager/managing member of an LLC delegates their authority, such delegation must be sent to us on company letterhead with the President's or manager's/managing member's original, wet signature.



LEE COUNTY
SOUTHWEST FLORIDA

Lee County Procurement Management
BID/PROPOSAL FORM

Company Name: _____

Melvin Morgan Constitutional Complex Air Handler

Solicitation # **B180100GWT**

Solicitation Name **Unit**

Having carefully examined the “Terms and Conditions”, and the “Detailed Scope of Work”, all of which are contained herein, propose to furnish the following which meet these specifications.

Term

From Notice to Proceed or Purchase Order date, whichever applies: 200 calendar days to substantial completion, 30 calendar days to final completion (total days 230).

The grand total cost bid shall include turnkey installation of the units, including the removal and replacement of any reused, additional, or incidental items. Contractor shall be responsible for all permits and fees and shall include that in the bid proposal. A crane may be required at the cost of the awarded vendor. The County reserves the right to do a direct material purchase if it's deemed in the best interest of the County.

Liquidated Damages (Construction) Liquidated damages of \$ 400 per calendar day(s) will be assessed to the contractor/vendor for each consecutive calendar day completion of the project or work is delayed.

Choose an item.

<i>Item #</i>	<i>Description</i>	<i>Unit of Measure</i>	<i>Quantity</i>	<i>Unit Cost</i>	<i>Total Cost</i>
	<i>Lump Sum</i>	1	LS		
1	<i>MMCC 4TH Floor Daikin (4) AHUs change out</i>		Each		
2	<i>MMCC 4TH Floor Existing (4) AHU removal</i>		Each		
3	<i>MMCC 4TH Floor Controls Replacement (Automated logic)</i>		Each		
4	<i>MMCC Chiller Plant Controls Replacement (Automated Logic)</i>		Each		
5	<i>MMCC Building Automation Controls through Boyd Brothers</i>		Each		
	Grand Total				

Amount Written _____

**ADD ADDITIONAL PAGE IF NEEDED TO COMPLETE SCHEDULE OF VALUES.*



LEE COUNTY
SOUTHWEST FLORIDA

AFFIDAVIT CERTIFICATION IMMIGRATION LAWS

SOLICITATION NO.: B180100GWT SOLICITATION NAME: MELVIN MORGAN CONSTITUTIONAL
COMPLEX AIR HANDLER UNIT

LEE COUNTY WILL NOT INTENTIONALLY AWARD COUNTY CONTRACTS TO ANY CONTRACTOR WHO KNOWINGLY EMPLOYS UNAUTHORIZED ALIEN WORKERS, CONSTITUTING A VIOLATION OF THE EMPLOYMENT PROVISIONS CONTAINED IN 8 U.S.C. SECTION 1324 a(e) {SECTION 274A(e) OF THE IMMIGRATION AND NATIONALITY ACT ("INA").

LEE COUNTY MAY CONSIDER THE EMPLOYMENT BY ANY CONTRACTOR OF UNAUTHORIZED ALIENS A VIOLATION OF SECTION 274A(e) OF THE INA. **SUCH VIOLATION BY THE RECIPIENT OF THE EMPLOYMENT PROVISIONS CONTAINED IN SECTION 274A(e) OF THE INA SHALL BE GROUNDS FOR UNILATERAL CANCELLATION OF THE CONTRACT BY LEE COUNTY.**

BIDDER/PROPOSER ATTESTS THAT THEY ARE FULLY COMPLIANT WITH ALL APPLICABLE IMMIGRATION LAWS (SPECIFICALLY TO THE 1986 IMMIGRATION ACT AND SUBSEQUENT AMENDMENTS).

Company Name: _____

Signature

Title

Date

STATE OF _____
COUNTY OF _____

The foregoing instrument was signed and acknowledged before me this _____ day of _____
20____, by _____ who has produced

(Print or Type Name)

_____ as identification.

(Type of Identification and Number)

Notary Public Signature

Printed Name of Notary Public

Notary Commission Number/Expiration

The signee of this Affidavit guarantee, as evidenced by the sworn affidavit required herein, the truth and accuracy of this affidavit to interrogatories hereinafter made. **LEE COUNTY RESERVES THE RIGHT TO REQUEST SUPPORTING DOCUMENTATION, AS EVIDENCE OF SERVICES PROVIDED, AT ANY TIME.**



Lee County Procurement Management

REFERENCE SURVEY

Solicitation # B180100GWT

Melvin Morgan Constitutional Complex Air Handler Unit

Section 1	Reference Respondent Information	Please return completed form to:	
FROM:		Bidder/Proposer:	
COMPANY:		Due Date:	
PHONE #:		Total # Pages:	1
FAX #:		Phone #:	Fax #:
EMAIL:		Bidder/Proposer E-Mail:	

Section 2	Enter Bidder/Proposer Information, as applicable Similar Performed Project (Bidder/Proposer to enter details of a project performed for above reference respondent)		
Bidder/Proposer Name:			
Reference Project Name:	Project Address:	Project Cost:	
Summarize Scope:			

You as an individual or your company has been given as a reference on the project identified above. Please provide your responses in section 3 below.

Section 3	Indicate: "Yes" or "No"
1. Did this company have the proper resources and personnel by which to get the job done?	
2. Were any problems encountered with the company's work performance?	
3. Were any change orders or contract amendments issued, other than owner initiated?	
4. Was the job completed on time?	
5. Was the job completed within budget?	
6. On a scale of one to ten, ten being best, how would you rate the overall work performance, considering professionalism; final product; personnel; resources. Rate from 1 to 10. (10 being highest)	
7. If the opportunity were to present itself, would you rehire this company?	
8. Please provide any additional comments pertinent to this company and the work performed for you:	

Section 4

Reference Name (Print)

Please submit non-Lee County employees as references

Reference Signature



ALLEGED NEGLIGENCE OR BREACH OF CONTRACT DISCLOSURE FORM

Please fill in the form below. Provide each incident in regard to alleged negligence or breach of contract that has occurred over the past 10 years. Please compete in chronological order with the most recent incident on starting on page 1.

Company Name: _____

Type of Incident Alleged Negligence or Breach of Contract	Incident Date And Date Filed	Plaintiff (Who took action against your company)	Case Number	Court County/State	Project	Claim Reason (initial circumstances)	Final Outcome (who prevailed)

Make as many copies of this sheet as necessary in order to **provide a 10 year history** of the requested information. If there is no action pending or action taken in the last 10 years, complete the **company name** and write **"NONE"** in the first **"Type of Incident"** box of this page and return with your submission package. This form should also include the primary partners listed in your submission. Do not include litigation with your company as the plaintiff. Final outcome should include who prevailed and what method of settlement was made. If a monetary settlement was made the amount may remain anonymous. **Please do not modify this form (expansion of spacing allowed) or submit your own variation.**

Page Number: _____ Of _____ Total pages

Update the page number to reflect the current page and the total number of pages. Example: Page 3, of 5 total submitted pages of this form.



LEE COUNTY

SOUTHWEST FLORIDA

AFFIDAVIT PRINCIPAL PLACE OF BUSINESS

Instructions: Please complete all information that is applicable to your firm

Company Name: _____

Printed name of authorized signer _____

Title _____

⇒

Authorized Signature _____

Date _____

The signee of this Affidavit guarantee, as evidenced by the sworn affidavit required herein, the truth and accuracy of this affidavit to interrogatories hereinafter made. **LEE COUNTY RESERVES THE RIGHT TO REQUEST SUPPORTING DOCUMENTATION, AS EVIDENCE OF SERVICES PROVIDED, AT ANY TIME.**

Notary:

State of _____

County of _____

The foregoing instrument was signed and acknowledged before me this _____ day of _____

20____ who has produced

_____ as identification (or personally known)

_____ Type of ID and number

⇒

Notary Public Signature _____

Notary Commission Number and expiration _____

1. Principal place of business is located within the boundaries of: _____ Lee County
_____ Collier County
_____ Non-Local

Local Business Tax License # _____

2. Address of Principal Place of Business: _____

3. Number of years at this location _____ years

4. Have you provided goods or services to Lee County on a regular basis within the past 3 consecutive years _____ Yes* _____ No _____
*If yes, attach contractual history for past 3 consecutive years

5. Number of available employees for this contract _____

6. Does your company have a Drug Free Workplace Policy _____ Yes _____ No

SUB-CONTRACTOR LIST

[illegible]

Please include sub-contractors name, area of work (i.e. mechanical, electrical, etc.) and a **valid** phone number and email. Also include the dollar value or percentage that the sub-contractor will be performing. If sub-contractors qualify as Disadvantaged Business Enterprise (**DBE**) contractors, please attach a current certificate.

This form must be signed and sworn to in the presence of a notary public or other officer authorized to administer oaths.

1. This sworn statement is submitted to _____
(Print name of the public entity)

by _____
(Print individual's name and title)

for _____
(Print name of entity submitting sworn statement)

whose business address is _____

(If applicable) its Federal Employer Identification Number (FEIN) is _____

(If the entity has no FEIN, include the Social Security Number of the individual signing this sworn statement: On the attached sheet.) Required as per IRS Form W-9.

2. I understand that a "public entity crime" as defined in Paragraph 287.133(1) (g), Florida Statutes, means a violation of any state or federal law by a person with respect to and directly related to the transaction of business with any public entity or with an agency or political subdivision of any other state or with the United States, including but not limited to, and bid or contract for goods or services to be provided to any public entity or agency or political subdivision or any other state or of the United States, and involving antitrust, fraud, theft, bribery, collusion, racketeering, conspiracy, or material misrepresentation.
3. I understand that "convicted" or "conviction" as defined in Paragraph 287.133(1) (b), Florida Statutes, means a finding of guilt or a conviction of a public entity crime, with or without an adjudication of guilt, in any federal or state trial court of record relating to charges brought by indictment or information after July 1, 1989, as a result of a jury verdict, nonjury trial, or entry of a plea of guilty or nolo contendere.
4. I understand that "affiliate" as defined in Paragraph 287.133(1)(a), Florida Statutes, means:
1. A predecessor or successor of a person convicted of a public entity crime:
or:
 2. An entity under the control of any natural person who is active in the management of the entity and who has been convicted of a public entity crime. The term "affiliate" includes those offices, directors, executives, partners, shareholders, employees, members and agents who are active in the management of the affiliate. The ownership by one person of shares constituting a controlling interest in another person, or a pooling of equipment or income among persons when not fair market value under an arm's length Agreement/Contract, shall be a facie case that one person controls another person. A person who knowingly enters into a joint venture with a person who has been convicted of a public entity crime in Florida during the preceding 36 months shall be considered an affiliate.
5. I understand that a "person" as defined in Paragraph 287.133(1) (c), Florida Statutes, means any natural person or entity organized under the laws of any state or of the United States with the legal power to enter a binding contract and which bids or applies to bid on contracts for the provision of goods or services let by a public entity, or which otherwise transacts or applies to transact business with a public entity. The term "person" includes those officers, directors, executives, partners, shareholders, employees, members, and agents who are active in management of the entity.
6. Based on information and belief, the statement which I have marked below is true in relation to the entity submitting those sworn statement. (Please indicate which statement applies.)

_____ Neither the entity submitted this sworn statement, nor any officers, directors, executives, partners, shareholders, employees, members, and agents who are active in management of an entity nor affiliate of the entity have been charged with and convicted of a public entity crime subsequent to July 1, 1989.

_____ The entity submitting this sworn statement, or one or more of the officers, directors, executives, partners, shareholders, employees, member, or agents who are active in management of the entity, or an affiliate of the entity have been charged with and convicted of a public entity crime subsequent to July 1, 1989.

_____ The entity submitting this sworn statement, or one or more of its officers, directors, executives, partners, shareholders, employees, member, or agents who are active in management of the entity, or an affiliate of the entity has been charged with and convicted of a public entity crime subsequent to July 1, 1989. However, there has been subsequent proceeding before a Hearing Officer of the State of Florida, Division of Administrative Hearing and the Final Order entered by the Hearing Officer determined that it was not in the public interest to place the entity submitting this sworn statement on the convicted vendor list. (Attach a copy of the final order)

I UNDERSTAND THAT THE SUBMISSION OF THIS FORM TO THE CONTRACTING OFFICER FOR THE PUBLIC ENTITY IDENTIFIED IN PARAGRAPH 1 (ONE) ABOVE IS FOR THAT PUBLIC ENTITY ONLY AND, THAT THIS FORM IS VALID THROUGH DECEMBER 31 OF THE CALENDAR YEAR IN WHICH IS FILED. I ALSO UNDERSTAND THAT I AM REQUIRED TO INFORM THE PUBLIC ENTITY PRIOR TO ENTERING INTO A CONTRACT IN EXCESS OF THE THRESHOLD AMOUNT PROVIDED IN SECTION 287.017, FLORIDA STATUTES, FOR CATEGORY TWO OR ANY CHANGE IN THE INFORMATION CONTAINED IN THIS FORM.

(Signature)

(Date)

STATE OF _____
COUNTY OF _____

PERSONALLY APPEARED BEFORE ME, the undersigned authority, _____
(Name of individual signing)

who, after first being sworn by me, affixed his/her signature in the space provided above on this _____ day
of _____, 2_____.

(NOTARY PUBLIC)

My Commission Expires: _____

Form#8: Trench Safety (Required for Construction Projects Only)

TRENCH SAFETY

Contractor/Vendor acknowledges that included in the appropriate solicitation items of the solicitation and in the Total solicitation price are costs for complying with the Florida Trench Safety Act (90-96, Laws of Florida) effective October 1, 1990. The contractor/vendor further identifies the costs of such compliance to be summarized below:

Trench Safety Measure (Description)	Units of Measure (LF, SF)	Unit (Quantity)	Unit Cost	Extended Cost
A. _____	_____	_____	_____	_____
B. _____	_____	_____	_____	_____
C. _____	_____	_____	_____	_____
D. _____	_____	_____	_____	_____
TOTAL \$ _____				

If applicable, the contractor/vendor certifies that all trench excavation done within his control in excess of five (5') feet in depth shall be in accordance with the Florida Department of Transportation's Special Provisions Article 125-1 and Sub-article 125-4.1 (TRENCH EXCAVATION SAFETY SYSTEM AND SHORING, SPECIAL-TRENCH EXCAVATION).

Failure to complete the above may result in the solicitation being declared non-responsive.

(Signature)

(Company Name)

STATE OF _____
COUNTY OF _____

The foregoing instrument was acknowledged before me this _____ day of _____ by _____ (name and title of corporate officer) of _____ (name of corporation), a _____ (state or place of incorporation) corporation, on behalf of the corporation. He/she is personally known to me or has produced _____ (type of identification) as identification.

(signature line for notary public)

(name of notary typed, printed or stamped)

(title or rank)

My commission expires:

(serial number, if any)

BID BOND

Complete EITHER Lee County Paper Bid Bond OR provide cashier's check

KNOW ALL MEN BY THESE PRESENTS, that we

_____ as Principal, and
(BIDDER'S Name)

_____ a Corporation licensed to do
(Surety's Name)

business under the laws of the State of Florida as a Surety, are held and firmly bound unto LEE COUNTY BOARD OF COUNTY COMMISSIONERS, LEE COUNTY, FLORIDA, a Political Subdivision of the State of Florida,

in the SUM OF _____
for the payment whereof, well and truly to be made, we bind ourselves, our heirs, successors, personal representatives and assigns, jointly and severally, firmly, by these presents.

SIGNED AND SEALED this _____ day of _____, _____

WHEREAS, said Principal is herewith submitting a Bid/Proposal for the construction of:

NOW, THEREFORE, the condition of the above obligation is such that if said Principal shall be awarded the Contract upon said Bid/Proposal within the specified time and shall enter into a written Contract, satisfactory in form, provide an acceptable Public Payment & Performance Bond from a Surety acceptable to the COUNTY and provide other Insurance as may be required to the COUNTY within seven (7) calendar days after the written Notice of Award date, or within such extended period as the COUNTY may grant, then this obligation shall be null and void; otherwise said Principal and Surety shall pay to said COUNTY in money the difference between the amount of the Bid of said Principal and the amount for which said COUNTY may legally contract with another party to perform said work, if the latter amount be in excess of the former, together with any expenses and reasonable attorney's fees incurred by said COUNTY if suit be brought here on, but in no event shall said Surety's liability exceed the penal sum hereof plus such expenses and attorney's fees. For purposes of unsuccessful bid protests filed by the Principal herein, this obligation shall bind the Surety to pay costs and damages associated with the bid protest or delays to the project upon a finding from the Board of County Commissioners for Lee County that the bid protest was frivolous and/or lacked merit. The liability of the Surety shall not exceed the penal sum of the bid bond.

Witness as to Principal:

(Principal) (SEAL)

(By)

Printed Name

Witness as to Surety:

(Surety's Name) (SEAL)

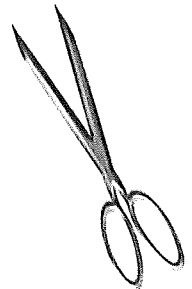
(By-As Attorney-in-Fact, Surety)

Affix Corporate Seals and attach proper Power of Attorney for Surety.

Sealed Bid Label

**Cut along the outer border and affix this label to
your sealed solicitation envelope to identify it as
a "Sealed Bid".**

SEALED BID DOCUMENTS • DO NOT OPEN	
BID No.:	B180100GWT
BID TITLE:	Melvin Morgan Constitutional Complex Air Handler Unit
DATE DUE:	Monday, May 21, 2018
TIME DUE:	Prior to: 2:30 PM
SUBMITTED BY:	_____ (Name of Company)
e-mail address	Telephone
DELIVER TO:	Lee County Procurement Management 1500 Monroe 4 th Floor Fort Myers FL 33901
<i>Note: submissions received after the time and date above will not be accepted.</i>	



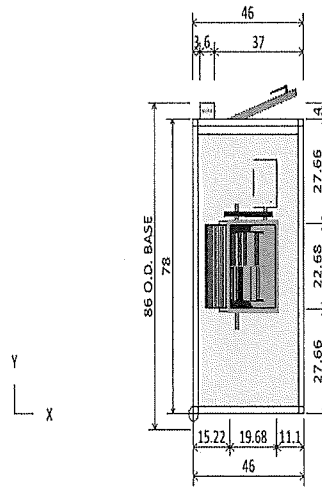
Lee County Procurement Management
1500 Monroe Street, 4th Floor
Fort Myers, FL 33901
(239) 533-8881
www.leegov.com/procurement

PLEASE PRINT CLEARLY

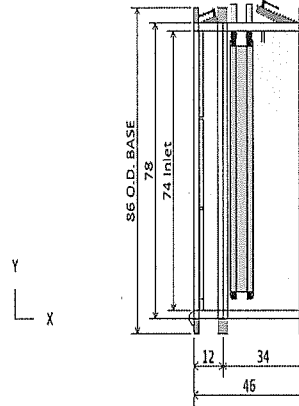
SECTION A

TECHNICAL REQUIREMENTS

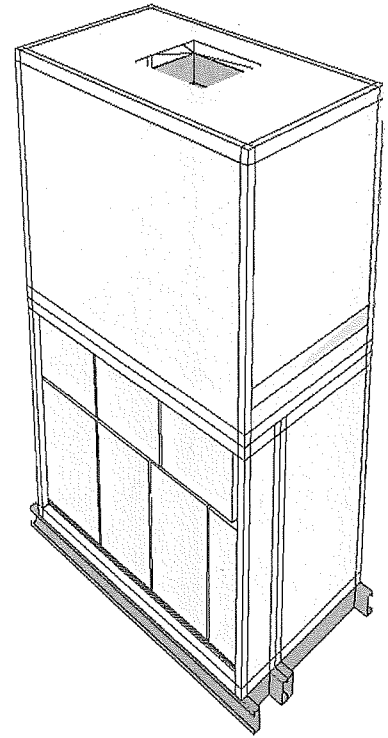
SECTION A – AHU 13



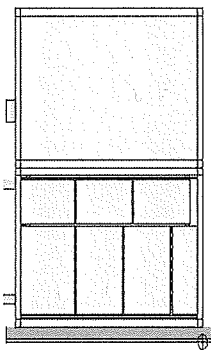
TOP DECK PLAN VIEW



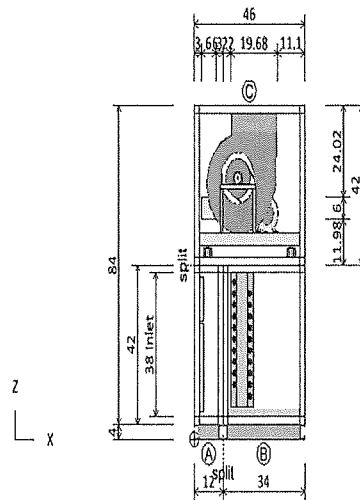
BOTTOM DECK PLAN VIEW



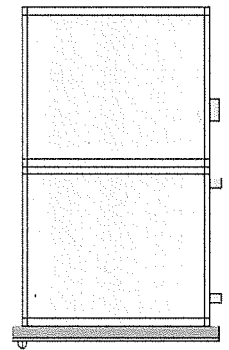
ISOMETRIC VIEW



FRONT END VIEW



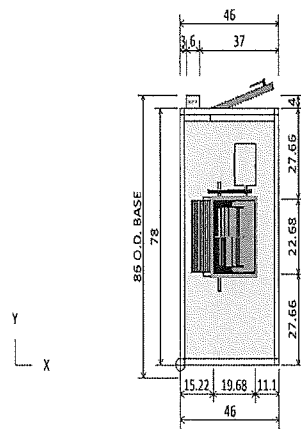
ELEVATION VIEW



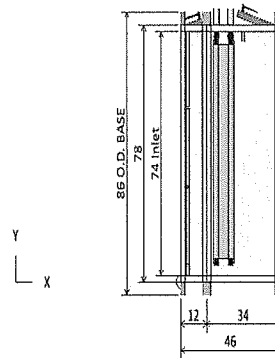
REAR END VIEW

Product Drawing	Unit Tag: AHU-13	Sales Office: Carroll Air Systems, Inc.	 13600 Industrial Park Blvd, Minneapolis, MN 5544 www.DaikinApplied.com Software Version: 11.1			
Product: Vision Air Handler	Project Name: MMCC 4th Floor	Sales Engineer:				
Model: CAH015GDAM	Mar. 6, 2018	Ver/Rev:	Sheet: 1 of 1	Scale: NTS	Tolerance: +/-0.25"	Dwg Units: in

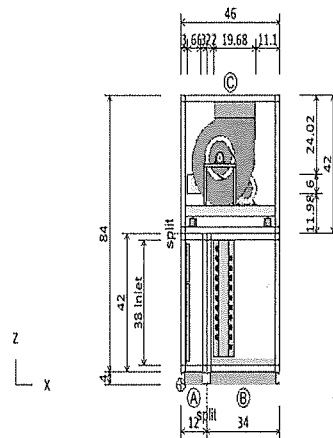
SECTION A – AHU 13



TOP DECK PLAN VIEW



BOTTOM DECK PLAN VIEW



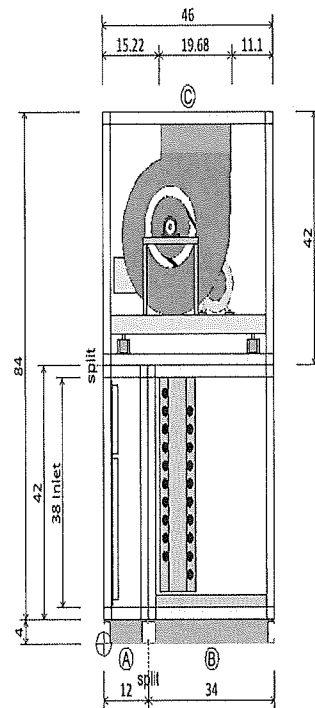
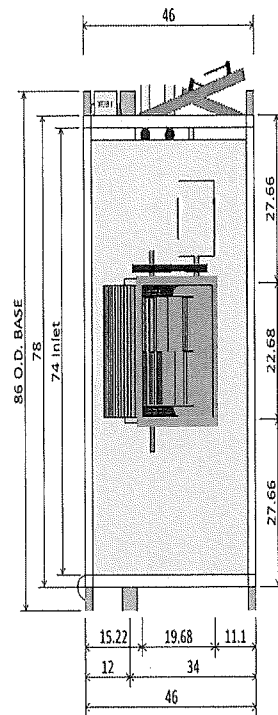
ELEVATION VIEW

Component Key

Panel Filter	
(A) Filter Type:	Pleated (MERV 8)
Left Door (WxH): 8 ins x 38 ins	
Chilled Water coil	
(B) Coil Model:	5WL1006B
Total Capacity:	283828.0 Btu/hr
Left Door (WxH): 18 ins x 32 ins	
Supply Fan	
Fan Type:	Centrifugal DWDI
Fan Size (Class):	18 (1)
(C) Air Flowrate:	7000.0 cfm
T.S.P.:	2.5 insWg
Motor Power:	7.5 HP
Left Door (WxH): 30 ins x 38 ins	

Product Drawing	Unit Tag: AHU-13	Sales Office: Carroll Air Systems, Inc.	 13600 Industrial Park Blvd, Minneapolis, MN 55441 www.DaikinApplied.com Software Version: 11.52			
Product: Vision Air Handler	Project Name: MMCC 4th Floor	Sales Engineer:				
Model: CAH015GDAM	Mar. 6, 2018	Ver/Rev:	Sheet: 1 of 1	Scale: NTS	Tolerance: +/-0.25"	Dwg Units: in

SECTION A – AHU 13



Component Key

Type	X	Y	Z	Wid	Hgt
Ⓐ Panel Filter Opening	0.00	2.00	6.00	74.00	38.00
Ⓒ Supply Fan Fan Discharge	23.10	27.66	88.00	22.68	19.68

Note: Dimensions are measured from the origin point.

Opening/Damper Connections

Unit Tag: AHU-13

Sales Office: Carroll Air Systems, Inc.

Product: Vision Air Handler

Project Name: MMCC 4th Floor

Sales Engineer:

Model: CAH015GDAM

Mar. 6, 2018

Ver/Rev:

Sheet: 1 of 1

Scale: NTS

Tolerance: +/-0.25"

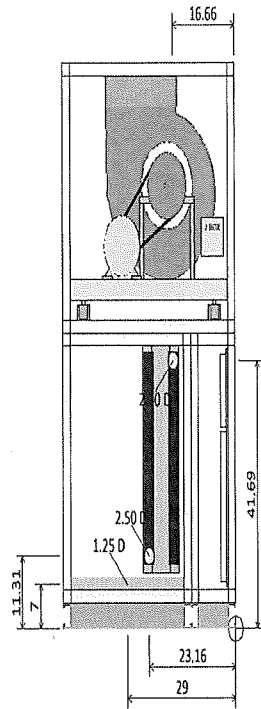
Dwg Units: in



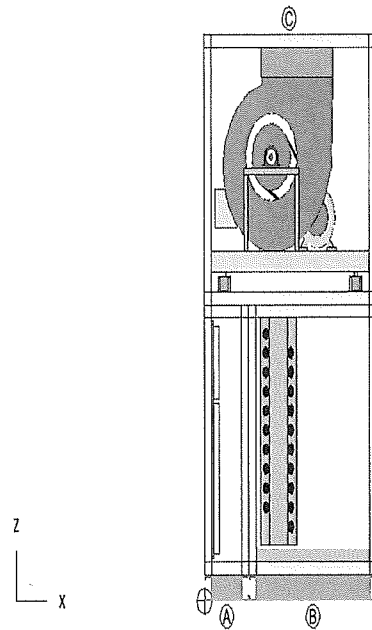
13600 Industrial Park Blvd, Minneapolis, MN 55441

www.DaikinApplied.com Software Version: 11.52

SECTION A – AHU 13



LEFT ELEVATION VIEW



RIGHT ELEVATION VIEW

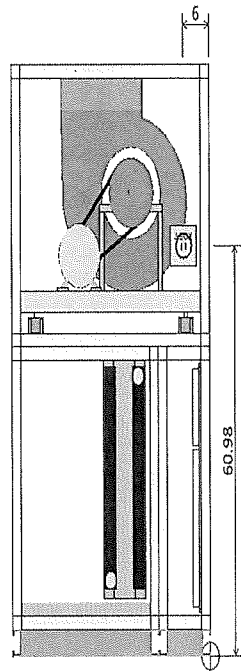
Coil and Drain Connections

Type	X	Y	Z	Diam
Chilled Water coil				
Condensate drain conn:	29.00	80.90	7.00	1.25
Cold water inlet:	23.16	81.00	11.31	2.50
Cold water outlet:	16.66	81.00	41.69	2.50

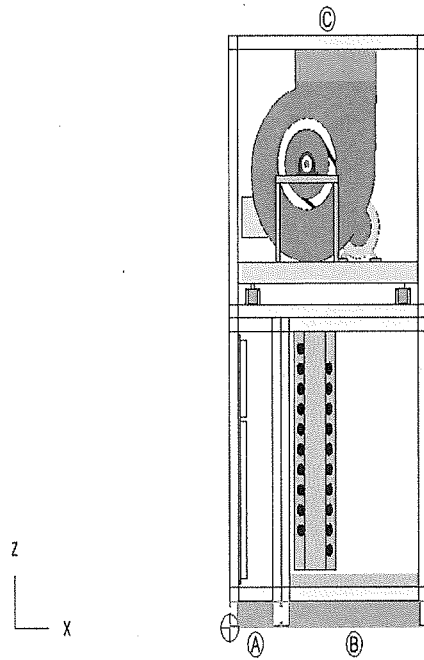
Note: Dimensions are measured from the origin point.

Coil and Drain Connections	Unit Tag: AHU-13	Sales Office: Carroll Air Systems, Inc.	 13600 Industrial Park Blvd, Minneapolis, MN 55441 www.DaikinApplied.com Software Version: 11.52			
Product: Vision Air Handler	Project Name: MMCC 4th Floor	Sales Engineer:				
Model: CAH015GDAM	Mar. 6, 2018	Ver/Rev:	Sheet: 1 of 1	Scale: NTS	Tolerance: +/-0.25"	Dwg Units: in

SECTION A – AHU 13



LEFT ELEVATION VIEW



RIGHT ELEVATION VIEW

Component Key

Type	X	Y	Z	Volts	Phase
Supply Fan Fan	6.00	78.00	60.98	460	3

Note: Dimensions are measured from the origin point.

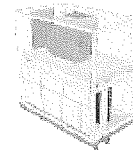
Electrical Connections	Unit Tag: AHU-13	Sales Office: Carroll Air Systems, Inc.	 13600 Industrial Park Blvd, Minneapolis, MN 55441 www.DaikinApplied.com Software Version: 11.52			
Product: Vision Air Handler	Project Name: MMCC 4th Floor	Sales Engineer:				
Model: CAH015GDAM	Mar. 6, 2018	Ver/Rev:	Sheet: 1 of 1	Scale: NTS	Tolerance: +/-0.25"	Dwg Units: in

SECTION A- AHU 13

Vision® Air Handling Unit



Job Information		Technical Data Sheet
Job Name	MMCC 4th Floor	
Date	December 21 2017	
Submitted By	AK	
Software Version	11.42	
Unit Tag	AHU-13	



Unit Overview						
Model Number	Air Volume cfm	Static Pressure		Supply		
		External inWc	Total inWc	Height in	Width in	Length in
CAH015GDAM	7000	1.50	2.48	42*	78*	46**

*Not including base rails, coil connectors, drain connectors and control boxes.

**Total lower deck length.

Unit						
Model Number:	CAH015GDAM					
Approval:	ETL Listed / ETL Listed to Canadian Safety Standards (ETL Label / ETLc Label)					
Outer Panel:	Heavy-gauge G90 Galvanized Steel (unpainted)					
Liner:	Galvanized Steel (unless noted per section)					
Insulation:	R-13 Injected Foam					
Unit Configuration:	Stacked / vertical			Drive (Handling) Location:	Left	
Base:	4" formed channel			Wall Thickness:	2 in	
Altitude:	0 ft			Parts Warranty:	Standard One Year	

Panel Filter		Component: 1		Length: 12 in		Shipping Section: 1	
Type	Efficiency	Face Velocity		Face Area		Air Volume	Filter Loading
Pleated	MERV 8	400 ft/min		17.5 ft²		7000 cfm	Side
Clean Air	Air Pressure Drop		Number of Filters		Height	Width	Depth
	Mean Air	Dirty Air					
0.17 inWc	0.59 inWc	1.00 inWc	1	24 in	24 in	2 in	
			2	24 in	20 in	2 in	
			1	24 in	12 in	2 in	
			3	12 in	24 in	2 in	
Door							
Location			Width		Opening		
Drive side			8 in		Outward		

SECTION A – AHU 13

Vision® Air Handling Unit



Chilled Water Coil			Component: 2		Length: 34 in		Shipping Section: 2			
Coil Model	Total Capacity	Sensible Capacity	Number of Coils		Number of Rows	Fins per Inch	Tube Diameter	Tube Spacing (Face x Row)		
5WL1006B	283828 Btu/hr	196128 Btu/hr	1		6	10	0.625 in	1.50 in x 1.299 in		
Air Volume	Air Temperature				Coil Air Pressure Drop	Finned Height	Finned Length	Face Area	Face Velocity	
	Entering		Leaving							
	Dry Bulb	Wet Bulb	Dry Bulb	Wet Bulb						
7000 cfm	80.0 °F	67.0 °F	54.4 °F	53.8 °F	0.68 inWc	33 in	65 in	14.90 ft²	470 ft/min	
Water	Flow Rate		Pressure Drop		Velocity		Volume		Weight	
	Entering	Leaving								
	45.0 °F	55.1 °F	56.10 gpm		8.40 ftHd		3.60 ft/s		12.0 gal	104.00 lb
Type	Connection [Data Per Coil]			Min. Fin Surface Temp.		Min. Tube Wall Surface Temp.		Fouling Factor		
	Size	Location	Material							
Threaded	2.50 in	Drive side	Carbon steel		45.0 °F		45.0 °F		0.000	
Fin	Tube	Material		Header		Case		Drain Pan	Drain Side	
Aluminum .0075 in	Copper .020 in	Copper		Stainless steel		Stainless steel		Drive side		
AHRI 410 Certification										

AHRI 410 Certification



Certified in accordance with the AHRI Forced-Circulation Air-Cooling and Air-Heating Coils Certification Program which is based on AHRI Standard 410 within the Range of Standard Rating Conditions listed in Table 1 of the Standard. Certified units may be found in the AHRI Directory at www.ahrirectory.org

SECTION A- AHU 13

Vision® Air Handling Unit



Supply Fan		Component: 3		Length: 46 in		Shipping Section: 3			
Fan Performance									
Air Volume	Static Pressure	Brake Horsepower		Speed		Outlet Velocity			
External	Total	Cabinet	Operating	Maximum					
7000 cfm	1.50 inWc	2.48 inWc	0.00 inWc	4.73 BHP	901 rpm	1155 rpm	2422 ft/min		
Fan Data									
Fan Type	Blade Type / Class	Quantity of Fans	Wheel Diameter	Number of Blades	Discharge	Motor Location			
Centrifugal DWDI	Forward Curved / 1	1	18.03 in	N/A	Up blast CW	To Side of Fan			
Motor Data									
Power	Electrical Supply	Speed	Efficiency	Enclosure	Frame Size	Supplier	Number of Poles	Lock Rotor Current	Full Load Current
7.5 HP	460/60/3 V/Hz/Phase	1750 rpm	Premium	ODP	213 T frame	Generic	4	70.6 A	9.7 A
Fan Options									
Isolator Type:		Spring							
Drive Package Data*									
Fan Sheave	Motor Sheave	Belt	Number of Belts		Actual Drive S.F.		Bearing Type		
2AK94H	2AK49H	A46	2		1.20		Standard - L50 (200K)		
*Daikin Applied reserves the right to provide a different but equivalent drive package									
VFD/Starter/Disconnect Data									
Selection Type:		External J-Box			Vendor:	Factory Standard			
Voltage:		460 V			Height x Width x Depth:	6.00 in x 6.00 in x 4.00 in			
Mounting:		Door Side			Enclosure:	NEMA 1			
Door									
Location			Width			Opening			
Drive side			30 in			Outward			
Special Options									
Special Text									
Reduce Fan Height to 36" , Retain 18" FC wheel.									

Unit Sound Power [dB]

Type	63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
Radiated:	71	71	61	58	57	47	46	51
Unit Discharge:	81	81	79	79	79	75	72	67
Unit Return:	76	75	72	72	71	67	62	55

SECTION A – AHU 13

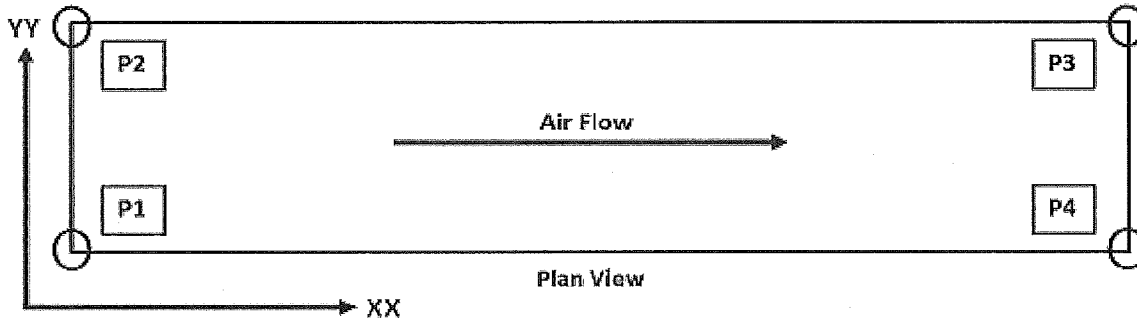
Vision® Air Handling Unit



Shipping Section Details

Section	Length in	Weight lb	Corner Weights (lb)				Center of Gravity (in)		
			P1	P2	P3	P4	XX	YY	ZZ
1	12	268	60	60	74	74	7	39	20
2	34	897	266	282	182	167	13	40	21
3	46	891	267	198	178	247	22	33	22
Entire Unit	46	2056	n/a	n/a	n/a	n/a	n/a	n/a	n/a

Lower level only



NOTE: Special components aren't included in the corner weights and center of gravity data.

AHRI Certification



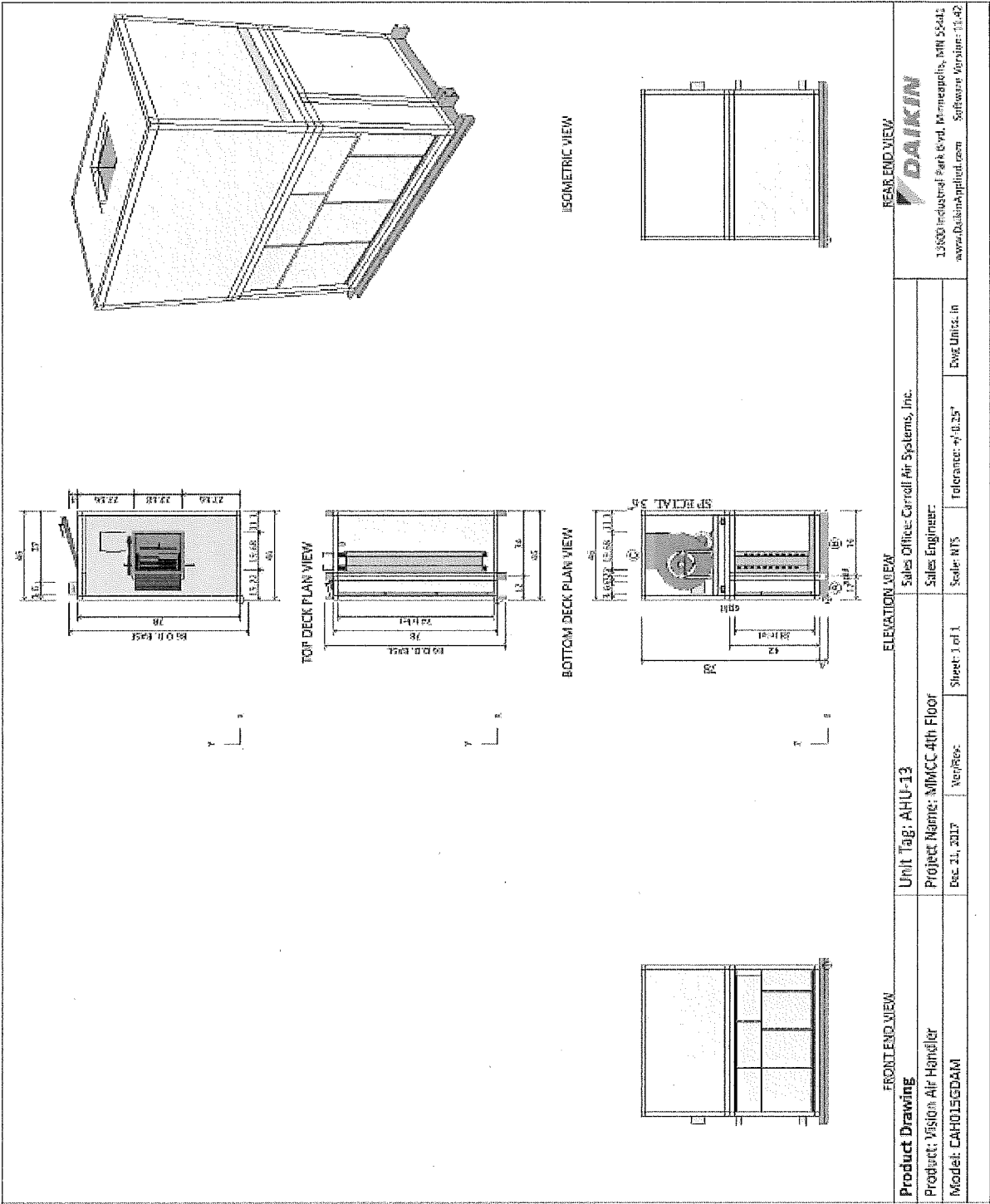
Supply fan performance is certified in accordance with the Central Station Air-Handling Unit Certification Program, which is based on AHRI Standard 430.

Notes

Standard

1. As a standalone component, unit meets or exceeds requirements of ASHRAE 90.1 - 2007. The approving authority is responsible for compliance of multi - component building systems.

SECTION A- AHU 13



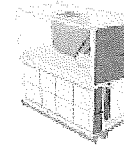
SECTION A- AHU 14

Vision® Air Handling Unit



Job Information Technical Data Sheet

Job Name MMCC 4th Floor
Date December 21 2017
Submitted By AK
Software Version 11.42
Unit Tag AHU-14



Unit Overview

Model Number	Air Volume cfm	Static Pressure		Supply		
		External inWc	Total inWc	Height in	Width in	Length in
CAH020GDAM	9230	1.50	2.40	48*	86*	46**

*Not including base rails, coil connectors, drain connectors and control boxes.

**Total lower deck length.

Unit

Model Number:	CAH020GDAM	Drive (Handling) Location:	Right
Approval:	ETL Listed / ETL Listed to Canadian Safety Standards (ETL Label / ETLc Label)	Wall Thickness:	2 in
Outer Panel:	Heavy-gauge G90 Galvanized Steel (unpainted)	Parts Warranty:	Standard One Year
Liner:	Galvanized Steel (unless noted per section)		
Insulation:	R-13 Injected Foam		
Unit Configuration:	Stacked / vertical		
Base:	4" formed channel		
Altitude:	0 ft		

Panel Filter		Component: 1		Length: 12 in		Shipping Section: 1	
Type	Efficiency	Face Velocity		Face Area	Air Volume	Filter Loading	
Pleated	MERV 8	416 ft/min		22.2 ft²	9230 cfm	Side	
	Air Pressure Drop		Number of Filters	Height	Width	Depth	
Clean Air	Mean Air	Dirty Air					
0.18 inWc	0.59 inWc	1.00 inWc	2	20 in	24 in	2 in	
			6	20 in	20 in	2 in	
			Door				
Location			Width			Opening	
Drive side			8 in			Outward	

SECTION A- AHU 14

Vision® Air Handling Unit



Chilled Water Coil		Component: 2			Length: 34 in		Shipping Section: 2		
Coil Model	Total Capacity	Sensible Capacity	Number of Coils		Number of Rows	Fins per Inch	Tube Diameter	Tube Spacing (Face x Row)	
5WL1105B	358490 Btu/hr	250457 Btu/hr	1		5	11	0.625 in	1.50 in x 1.299 in	
Air Volume	Air Temperature				Coil Air Pressure Drop	Finned Height	Finned Length	Face Area	Face Velocity
	Entering		Leaving						
	Dry Bulb	Wet Bulb	Dry Bulb	Wet Bulb					
9230 cfm	80.0 °F	67.0 °F	55.2 °F	54.4 °F	0.59 inWc	39 in	73 in	19.77 ft²	467 ft/min
	Water	Flow Rate		Pressure Drop		Velocity		Volume	Weight
Entering	Leaving								
45.0 °F	54.7 °F		73.90 gpm		10.10 ftHd		4.10 ft/s		13.0 gal 116.00 lb
Type	Connection [Data Per Coil]			Material	Min. Fin Surface Temp.	Min. Tube Wall Surface Temp.	Fouling Factor		
	Size	Location							
Threaded	2.50 in	Drive side		Carbon steel	45.0 °F	45.0 °F	0.000		
		Material				Drain Pan		Drain Side	
Fin	Tube	Header		Case					
Aluminum .0075 in	Copper .020 in	Copper		Stainless steel		Stainless steel		Drive side	
AHRI 410 Certification									

AHRI 410 Certification



Certified in accordance with the AHRI Forced-Circulation Air-Cooling and Air-Heating Coils Certification Program which is based on AHRI Standard 410 within the Range of Standard Rating Conditions listed in Table 1 of the Standard. Certified units may be found in the AHRI Directory at www.ahridirectory.org

SECTION A – AHU 14

Vision® Air Handling Unit



Supply Fan		Component: 3		Length: 46 in		Shipping Section: 3			
Fan Performance									
Air Volume		Static Pressure		Broke Horsepower		Speed		Outlet Velocity	
	External	Total	Cabinet		Operating	Maximum			
9230 cfm	1.50 inWc	2.40 inWc	0.00 inWc	6.81 BHP	918 rpm	1155 rpm			3194 ft/min
Fan Data									
Fan Type	Blade Type / Class	Quantity of Fans	Wheel Diameter	Number of Blades	Discharge	Motor Location			
Centrifugal DWDI	Forward Curved / 1	1	18.03 in	N/A	Up blast CW	To Side of Fan			
Motor Data									
Power	Electrical Supply	Speed	Efficiency	Enclosure	Frame Size	Supplier	Number of Poles	Lock Rotor Current	Full Load Current
7.5 HP	460/60/3 V/Hz/Phase	1750 rpm	Premium	ODP	213 T frame	Generic	4	70.6 A	9.7 A
Fan Options									
Isolator Type:		Spring							
Drive Package Data*									
Fan Sheave	Motor Sheave	Belt	Number of Belts	Actual Drive S.F.	Bearing Type				
2AK94H	2AK49H	A46	2	1.20	Standard - L50 (200K)				
*Daikin Applied reserves the right to provide a different but equivalent drive package									
VFD/Starter/Disconnect Data									
Selection Type:		External J-Box			Vendor:	Factory Standard			
Voltage:		460 V			Height x Width x Depth:	6.00 in x 6.00 in x 4.00 in			
Mounting:		Door Side			Enclosure:	NEMA 1			
Door									
Location		Width			Opening				
Drive side		30 in			Outward				
Special Options									
Special Text									
Reduce Fan Height to 36" , Retain 18" FC wheel.									
Unit Sound Power [dB]									
Type	63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz	
Radiated:	75	75	65	62	61	51	46	51	
Unit Discharge:	85	85	83	83	83	79	76	71	
Unit Return:	80	79	76	76	75	71	66	59	

SECTION A – AHU 14

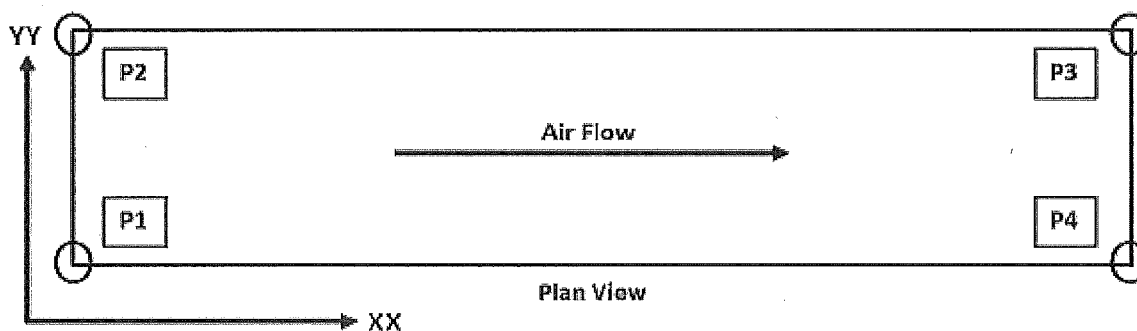
Vision® Air Handling Unit



Shipping Section Details

Section	Length in	Weight lb	Corner Weights (lb)				Center of Gravity (in)		
			P1	P2	P3	P4	XX	YY	ZZ
1	12	320	72	72	88	88	7	43	21
2	34	1029	325	310	189	205	13	42	24
3	46	975	291	219	197	268	22	37	24
Entire Unit	46	2324	n/a	n/a	n/a	n/a	n/a	n/a	n/a

Lower level only



NOTE: Special components aren't included in the corner weights and center of gravity data.

AHRI Certification



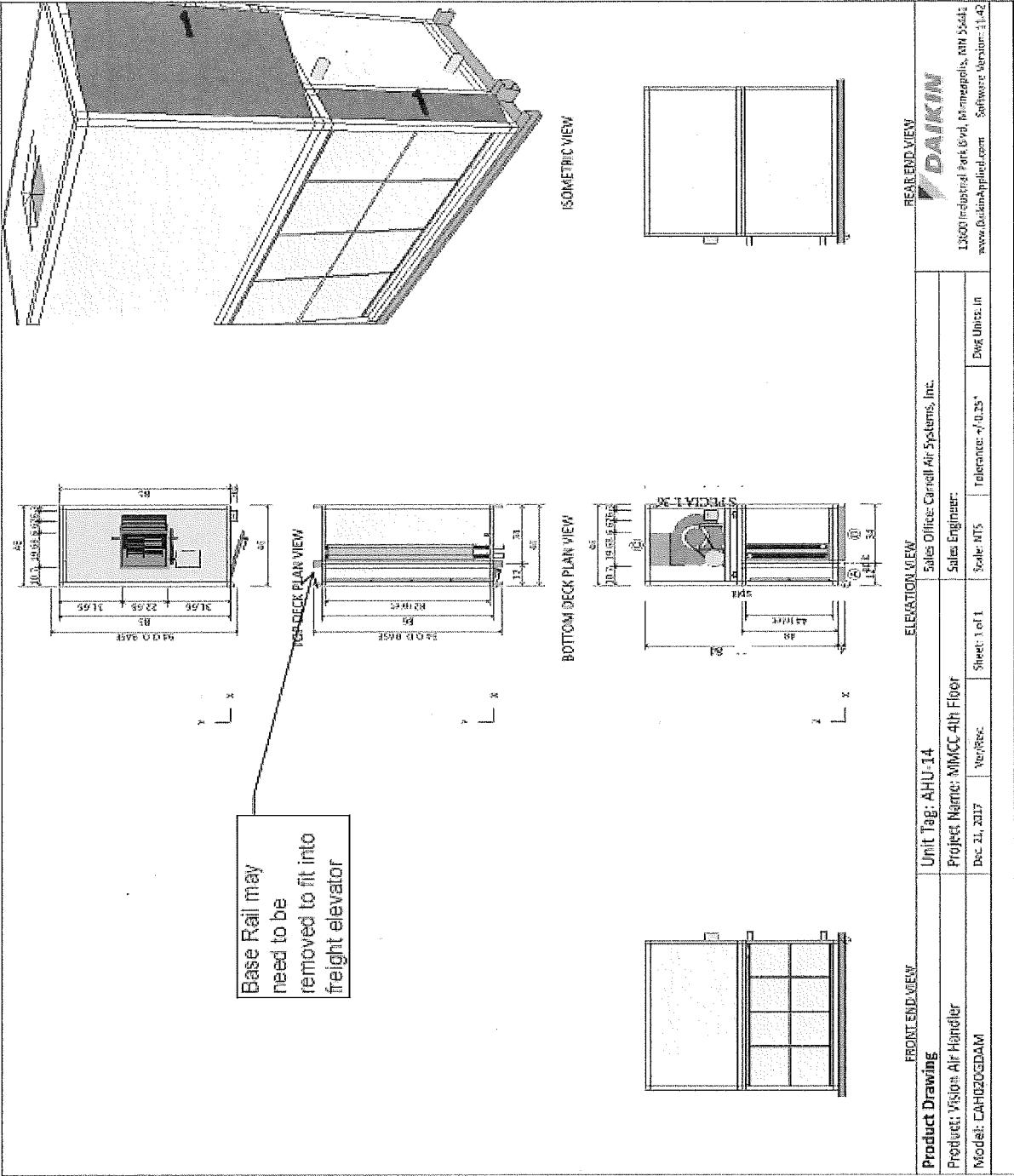
Supply fan performance is certified in accordance with the Central Station Air-Handling Unit Certification Program, which is based on AHRI Standard 430.

Notes

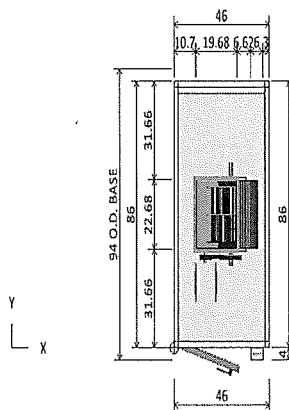
Standard

1. As a standalone component, unit meets or exceeds requirements of ASHRAE 90.1 - 2007. The approving authority is responsible for compliance of multi - component building systems.

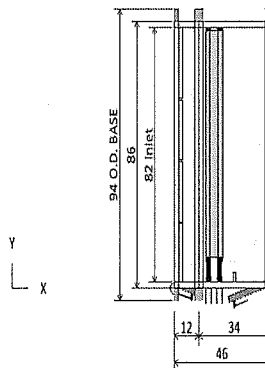
SECTION A – AHU 14



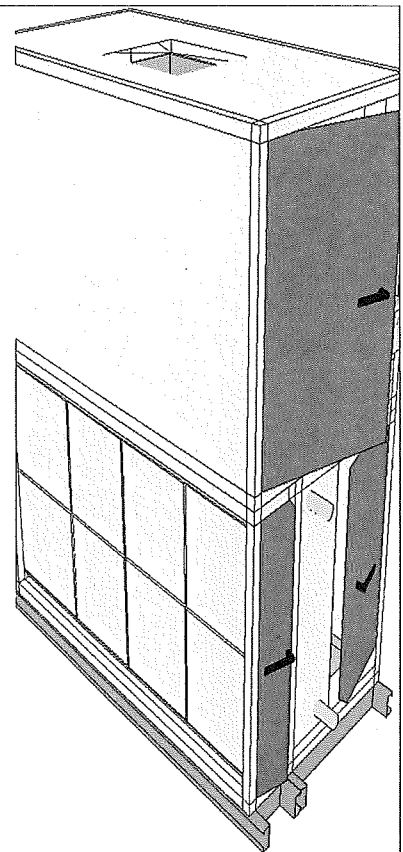
SECTION A – AHU 14



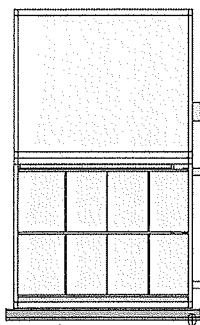
TOP DECK PLAN VIEW



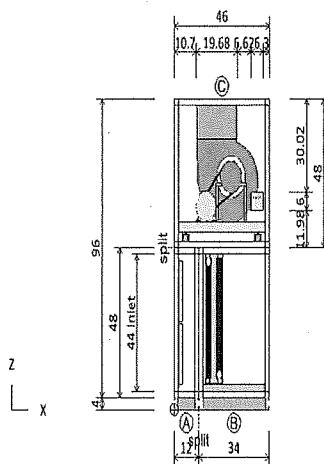
BOTTOM DECK PLAN VIEW



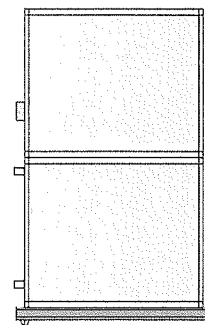
ISOMETRIC VIEW



FRONT END VIEW



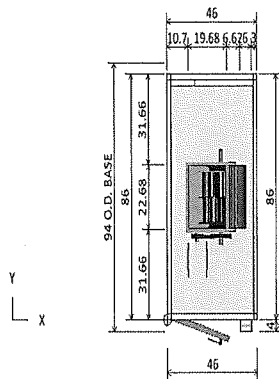
ELEVATION VIEW



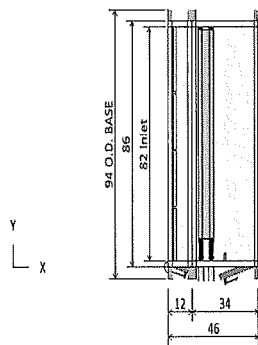
REAR END VIEW

Product Drawing	Unit Tag: AHU-14	Sales Office: Carroll Air Systems, Inc.	 13600 Industrial Park Blvd, Minneapolis, MN 55441 www.DaikinApplied.com Software Version: 11.52			
Product: Vision Air Handler	Project Name: MMCC 4th Floor	Sales Engineer:				
Model: CAH020GDAM	Mar. 6, 2018	Ver/Rev:	Sheet: 1 of 1	Scale: NTS	Tolerance: +/-0.25"	Dwg Units: in

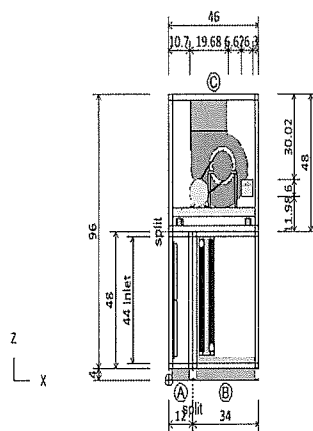
SECTION A – AHU 14



TOP DECK PLAN VIEW



BOTTOM DECK PLAN VIEW



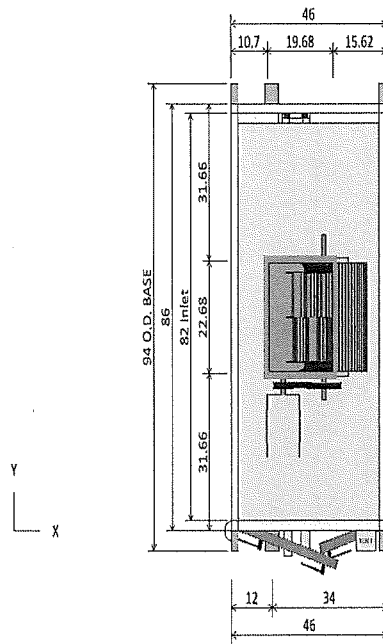
ELEVATION VIEW

Component Key

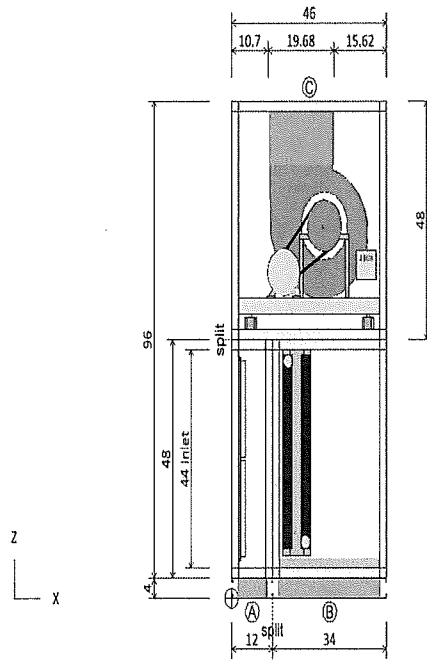
Panel Filter	
(A) Filter Type:	Pleated (MERV 8)
Right Door (WxH): 8 ins x 44 ins	
Chilled Water coil	
(B) Coil Model:	5WL1105B
Total Capacity:	358490.0 Btu/hr
Right Door (WxH): 18 ins x 38 ins	
Supply Fan	
Fan Type:	Centrifugal DWDI
Fan Size (Class):	18 (1)
(C) Air Flowrate:	9230.0 cfm
T.S.P.:	2.4 insWg
Motor Power:	7.5 HP
Right Door (WxH): 30 ins x 44 ins	

Product Drawing		Unit Tag: AHU-14			Sales Office: Carroll Air Systems, Inc.			 13600 Industrial Park Blvd, Minneapolis, MN 55441 www.DaikinApplied.com Software Version: 11.52
Product: Vision Air Handler		Project Name: MMCC 4th Floor			Sales Engineer:			
Model: CAH020GDAM		Mar. 6, 2018	Ver/Rev:	Sheet: 1 of 1	Scale: NTS	Tolerance: +/-0.25"	Dwg Units: in	

SECTION A – AHU 14



PLAN VIEW



ELEVATION VIEW

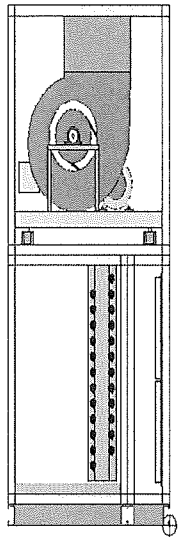
Component Key

	Type	X	Y	Z	Wid	Hgt
(A)	Panel Filter Opening	0.00	2.00	6.00	82.00	44.00
(C)	Supply Fan Fan Discharge	27.22	31.66	100.00	22.68	19.68

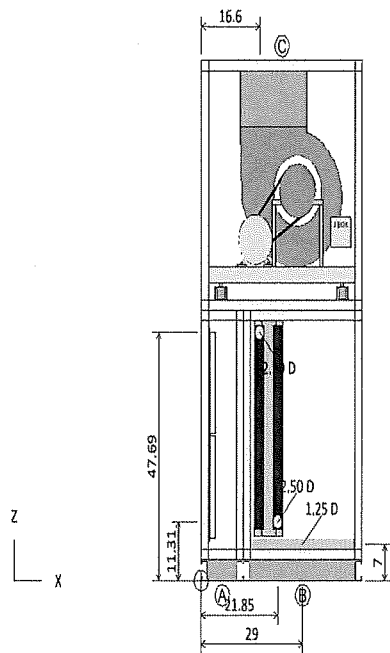
Note: Dimensions are measured from the origin point.

Opening/Damper Connections	Unit Tag: AHU-14	Sales Office: Carroll Air Systems, Inc.	 13600 Industrial Park Blvd, Minneapolis, MN 55441 www.DaikinApplied.com Software Version: 11.52			
Product: Vision Air Handler	Project Name: MMCC 4th Floor	Sales Engineer:				
Model: CAH020GDAM	Mar. 6, 2018 Ver/Rev:	Sheet: 1 of 1 Scale: NTS Tolerance: +/-0.25" Dwg Units: in				

SECTION A – AHU 14



LEFT ELEVATION VIEW



RIGHT ELEVATION VIEW

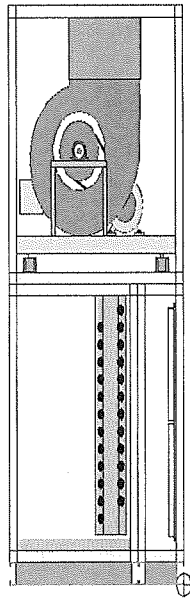
Coil and Drain Connections

Type	X	Y	Z	Diam
Chilled Water coil				
Condensate drain conn:	29.00	-2.90	7.00	1.25
Cold water inlet:	21.85	-7.00	11.31	2.50
Cold water outlet:	16.60	-7.00	47.69	2.50

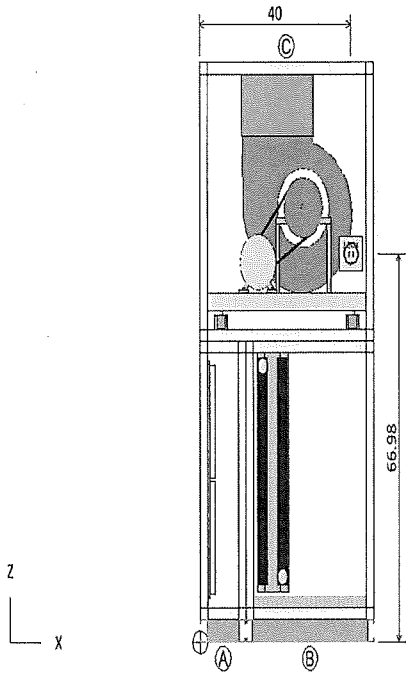
Note: Dimensions are measured from the origin point.

Coil and Drain Connections	Unit Tag: AHU-14	Sales Office: Carroll Air Systems, Inc.	 13600 Industrial Park Blvd, Minneapolis, MN 55441 www.DaikinApplied.com Software Version: 11.52		
Product: Vision Air Handler	Project Name: MMCC 4th Floor	Sales Engineer:			
Model: CAH020GDAM	Mar. 6, 2018	Ver/Rev:	Sheet: 1 of 1	Scale: NTS	Tolerance: +/- 0.25"

SECTION A – AHU-14



LEFT ELEVATION VIEW



RIGHT ELEVATION VIEW

Component Key

	Type	X	Y	Z	Volts	Phase
Ⓒ	Supply Fan	40.00	0.00	66.98	460	3

Note: Dimensions are measured from the origin point.

Electrical Connections	Unit Tag: AHU-14			Sales Office: Carroll Air Systems, Inc.			 13600 Industrial Park Blvd, Minneapolis, MN 55441 www.DaikinApplied.com Software Version: 11.52
Product: Vision Air Handler	Project Name: MMCC 4th Floor			Sales Engineer:			
Model: CAH020GDAM	Mar. 6, 2018	Ver/Rev:	Sheet: 1 of 1	Scale: NTS	Tolerance: +/-0.25"	Dwg Units: In	

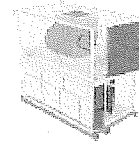
SECTION A- AHU 15

Vision® Air Handling Unit



Job Information Technical Data Sheet

Job Name MMCC 4th Floor
Date December 21 2017
Submitted By AK
Software Version 11.42
Unit Tag AHU-15



Unit Overview

Model Number	Air Volume cfm	Static Pressure		External Dimensions		
		External inWc	Total inWc	Height in	Width in	Length in
CAH015GDAM	7250	1.50	2.52	42*	76*	46**

*Not including base rails, coil connectors, drain connectors and control boxes.

**Total lower deck length.

Unit

Model Number:	CAH015GDAM	Drive (Handling) Location:	Right
Approval:	ETL Listed / ETL Listed to Canadian Safety Standards (ETL Label / ETLc Label)	Wall Thickness:	2 in
Outer Panel:	Heavy-gauge G90 Galvanized Steel (unpainted)	Parts Warranty:	Standard One Year
Liner:	Galvanized Steel (unless noted per section)		
Insulation:	R-13 Injected Foam		
Unit Configuration:	Stacked / vertical		
Base:	4" formed channel		
Altitude:	0 ft		

Panel Filter		Component: 1		Length: 12 in		Shipping Section: 1	
Type	Efficiency	Face Velocity	Face Area	Air Volume	Filter Loading		
Pleated	MERV 8	414 ft/min	17.5 ft²	7250 cfm	Side		
Clean Air	Air Pressure Drop		Number of Filters	Height	Width	Depth	
	Mean Air	Dirty Air					
0.18 inWc	0.59 inWc	1.00 inWc	1	24 in	24 in	2 in	
			2	24 in	20 in	2 in	
			1	24 in	12 in	2 in	
			3	12 in	24 in	2 in	
Door							
Location			Width		Opening		
Drive side			8 in		Outward		

SECTION A- AHU 15

Vision® Air Handling Unit



Chilled Water Coil		Component: 2		Length: 34 in		Shipping Section: 2			
Coil Model	Total Capacity	Sensible Capacity	Number of Coils	Number of Rows	Fins per Inch	Tube Diameter	Tube Spacing (Face x Row)		
5WL1006B	291756 Btu/hr	202029 Btu/hr	1	6	10	0.625 in	1.50 in x 1.299 in		
Air Volume	Air Temperature				Coil Air Pressure Drop	Finned Height	Finned Length	Face Area	Face Velocity
	Entering	Leaving							
	Dry Bulb	Wet Bulb	Dry Bulb	Wet Bulb					
7250 cfm	80.0 °F	67.0 °F	54.5 °F	53.9 °F	0.71 inWc	33 in	65 in	14.90 ft²	487 ft/min
	Water		Flow Rate	Pressure Drop	Velocity	Volume	Weight		
Entering		Leaving							
45.0 °F		55.1 °F	58.10 gpm	9.00 ftHd	3.80 ft/s	12.0 gal	104.00 lb		
		Connection (Data Per Coil)				Min. Fin Surface Temp.	Min. Tube Wall Surface Temp.	Fouling Factor	
Type		Size	Location	Material					
Threaded		2.50 in	Drive side	Carbon steel	45.0 °F		45.0 °F	0.000	
		Material				Drain Pan		Drain Side	
Fin	Tube	Header	Case						
Aluminum .0075 in	Copper .020 in	Copper	Stainless steel			Stainless steel		Drive side	
AHRI 410 Certification									



Certified in accordance with the AHRI Forced-Circulation Air-Cooling and Air-Heating Coils Certification Program which is based on AHRI Standard 410 within the Range of Standard Rating Conditions listed in Table 1 of the Standard. Certified units may be found in the AHRI Directory at www.ahridirectory.org

SECTION A- AHU 15

Vision® Air Handling Unit



Supply Fan		Component: 3		Length: 46 in		Shipping Section: 3			
Fan Performance									
Air Volume		Static Pressure		Brake Horsepower		Speed		Outlet Velocity	
	External	Total	Cabinet		Operating		Maximum		
7250 cfm	1.50 inWc	2.52 inWc	0.00 inWc		5.00 BHP	909 rpm	1155 rpm		2509 ft/min
Fan Data									
Fan Type	Blade Type / Class	Quantity of Fans	Wheel Diameter	Number of Blades		Discharge	Motor Location		
Centrifugal DWDI	Forward Curved / 1	1	18.03 in	N/A		Up blast CCW	To Side of Fan		
Motor Data									
Power	Electrical Supply	Speed	Efficiency	Enclosure	Frame Size	Supplier	Number of Poles	Lock Rotor Current	Full Load Current
7.5 HP	460/60/3 V/Hz/Phase	1750 rpm	Premium	ODP	213 T frame	Generic	4	70.6 A	9.7 A
Fan Options									
Isolator Type:		Spring							
Drive Package Data*									
Fan Sheave		Motor Sheave		Belt		Number of Belts		Actual Drive S.F.	
2AK94H		2AK49H		A46		2		1.20	
								Standard - L50 (200K)	
*Daikin Applied reserves the right to provide a different but equivalent drive package									
VFD/Starter/Disconnect Data									
Selection Type:		External J-Box			Vendor:		Factory Standard		
Voltage:		460 V			Height x Width x Depth:		6.00 in x 6.00 in x 4.00 in		
Mounting:		Door Side			Enclosure:		NEMA 1		
Door									
Location			Width			Opening			
Drive side			30 in			Outward			
Special Options									
Special Text									
Reduce Fan Height to 36" . Retain 18" FC wheel.									

Unit Sound Power (dB)								
Type	63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
Radiated:	72	72	62	59	58	48	46	51
Unit Discharge:	82	82	80	80	80	76	73	68
Unit Return:	77	76	73	73	72	68	63	56

SECTION A- AHU 15

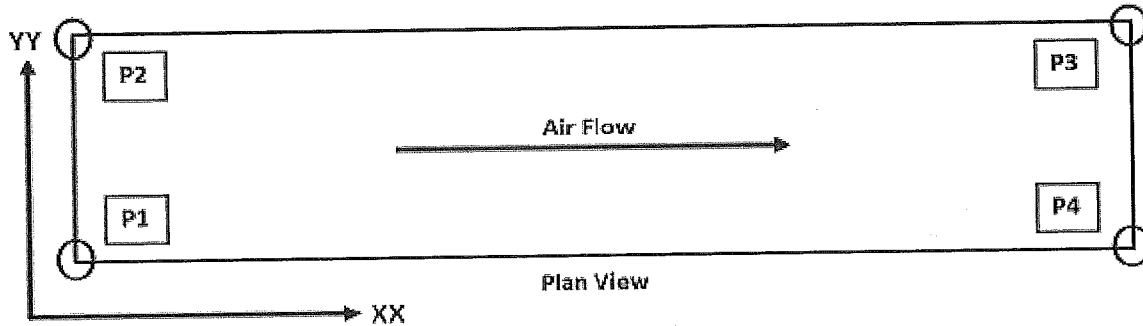
Vision® Air Handling Unit



Shipping Section Details

Section	Length in	Weight lb	Corner Weights (lb)				Center of Gravity (in)		
			P1	P2	P3	P4	XX	YY	ZZ
1	12	268	60	60	74	74	7	39	20
2	34	897	282	266	167	182	13	38	21
3	46	891	272	195	173	250	22	32	22
Entire Unit	46	2056	n/a	n/a	n/a	n/a	n/a	n/a	n/a

Lower level only



NOTE: Special components aren't included in the corner weights and center of gravity data.

AHRI Certification



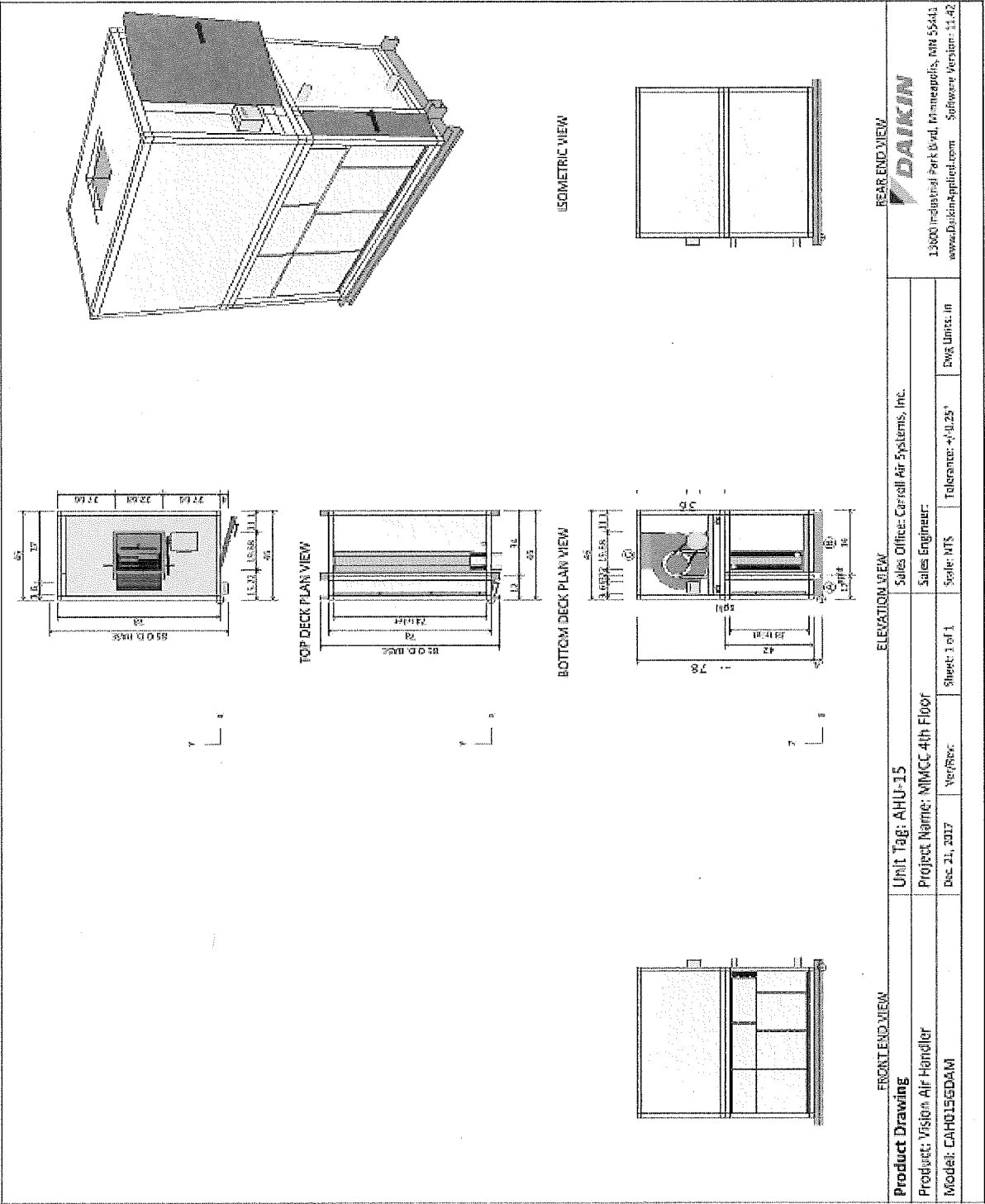
Supply fan performance is certified in accordance with the Central Station Air-Handling Unit Certification Program, which is based on AHRI Standard 430.

Notes

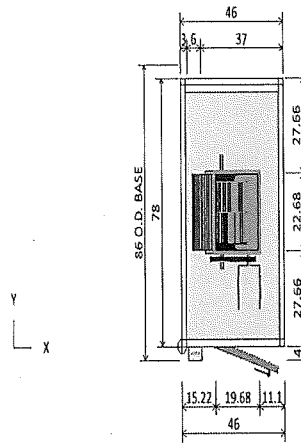
Standard

1. As a standalone component, unit meets or exceeds requirements of ASHRAE 90.1 - 2007. The approving authority is responsible for compliance of multi - component building systems.

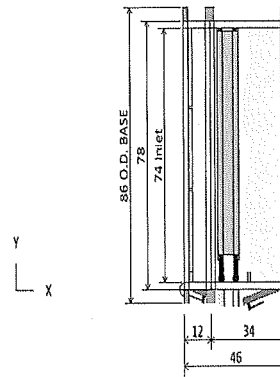
SECTION A- AHU 15



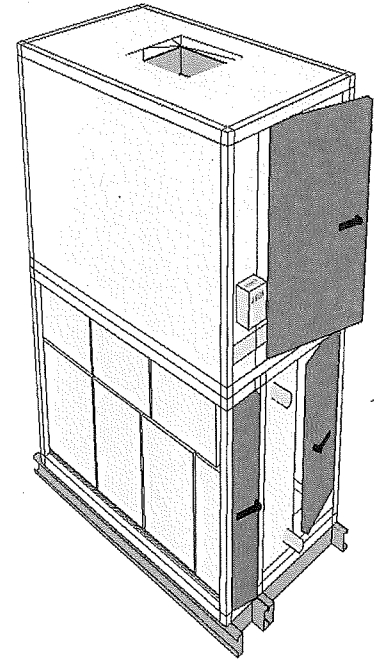
SECTION A- AHU 15



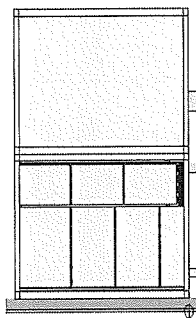
TOP DECK PLAN VIEW



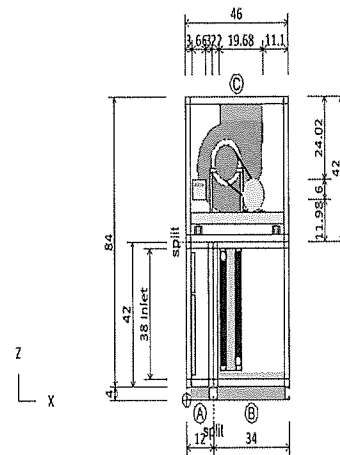
BOTTOM DECK PLAN VIEW



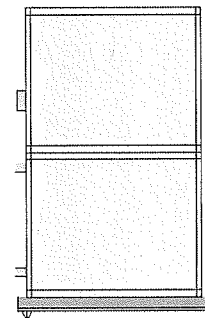
ISOMETRIC VIEW



FRONT END VIEW



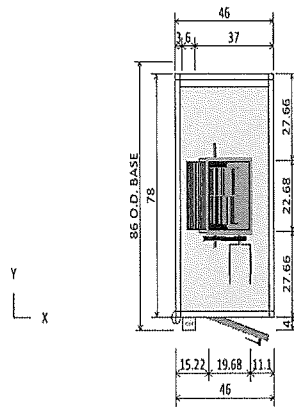
ELEVATION VIEW



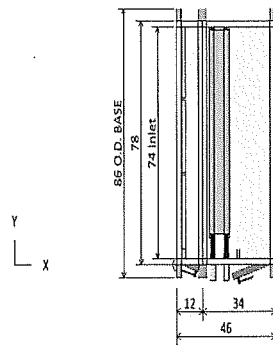
REAR END VIEW

Product Drawing		Unit Tag: AHU-15		Sales Office: Carroll Air Systems, Inc.		 13600 Industrial Park Blvd, Minneapolis, MN 55441 www.DaikinApplied.com Software Version: 11.52
Product: Vision Air Handler		Project Name: MMCC 4th Floor		Sales Engineer:		
Model: CAH015GDAM	Mar. 6, 2018	Ver/Rev:	Sheet: 1 of 1	Scale: NTS	Tolerance: +/-0.25"	

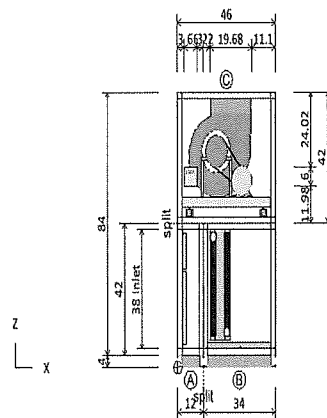
SECTION A- AHU 15



TOP DECK PLAN VIEW



BOTTOM DECK PLAN VIEW



ELEVATION VIEW

Component Key

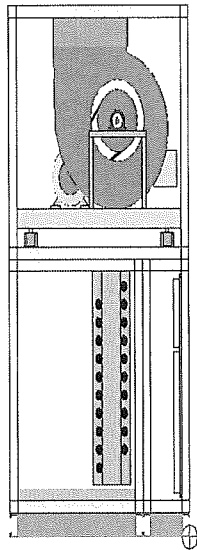
Panel Filter	
(A) Filter Type:	Pleated (MERV 8)
Right Door (WxH): 8 ins x 38 ins	
Chilled Water coil	
(B) Coil Model:	5WL1006B
Total Capacity:	291756.0 Btu/hr
Right Door (WxH): 18 ins x 32 ins	
Supply Fan	
Fan Type:	Centrifugal DWDI
Fan Size (Class):	18 (1)
(C) Air Flowrate:	7250.0 cfm
T.S.P.:	2.5 insWg
Motor Power:	7.5 HP
Right Door (WxH): 30 ins x 38 ins	

Product Drawing	Unit Tag: AHU-15	Sales Office: Carroll Air Systems, Inc.				
Product: Vision Air Handler	Project Name: MMCC 4th Floor	Sales Engineer:				
Model: CAH015GDAM	Mar. 6, 2018	Ver/Rev:	Sheet: 1 of 1	Scale: NTS	Tolerance: +/-0.25"	Dwg Units: in

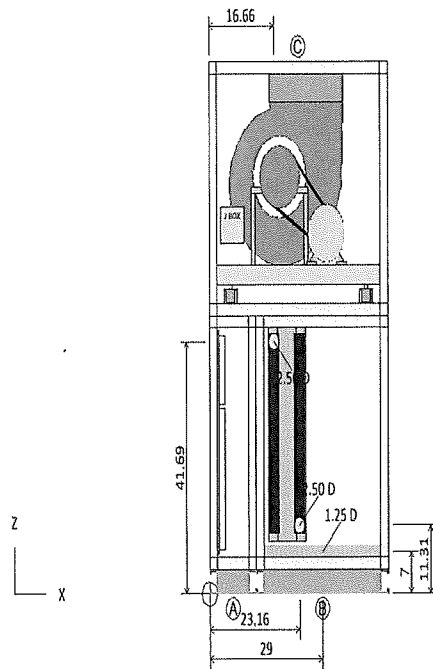


13600 Industrial Park Blvd, Minneapolis, MN 55441
www.DaikinApplied.com Software Version: 11.52

SECTION A- AHU 15



LEFT ELEVATION VIEW



RIGHT ELEVATION VIEW

Coil and Drain Connections

Type	X	Y	Z	Diam
Chilled Water coil				
Condensate drain conn:	29.00	-2.90	7.00	1.25
Cold water inlet:	23.16	-7.00	11.31	2.50
Cold water outlet:	16.66	-7.00	41.69	2.50

Note: Dimensions are measured from the origin point.

Coil and Drain Connections

Unit Tag: AHU-15

Sales Office: Carroll Air Systems, Inc.

Product: Vision Air Handler

Project Name: MMCC 4th Floor

Sales Engineer:

Model: CAH015GDAM

Mar. 6, 2018

Ver/Rev:

Sheet: 1 of 1

Scale: NTS

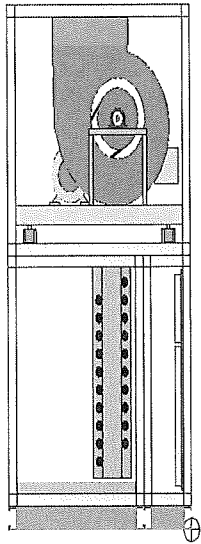
Tolerance: +/-0.25"

Dwg Units: in

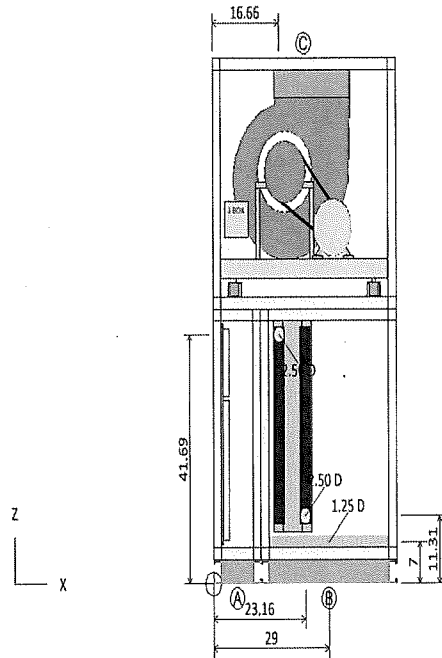
DAIKIN

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www.DaikinApplied.com Software Version: 11.52

SECTION A- AHU 15



LEFT ELEVATION VIEW



RIGHT ELEVATION VIEW

Coil and Drain Connections

Type	X	Y	Z	Diam
Chilled Water coil				
Condensate drain conn:	29.00	-2.90	7.00	1.25
Cold water inlet:	23.16	-7.00	11.31	2.50
Cold water outlet:	16.66	-7.00	41.69	2.50

Note: Dimensions are measured from the origin point.

Coil and Drain Connections

Unit Tag: AHU-15

Sales Office: Carroll Air Systems, Inc.

Product: Vision Air Handler

Project Name: MMCC 4th Floor

Sales Engineer:

Model: CAH015GDAM

Mar. 6, 2018

Ver/Rev:

Sheet: 1 of 1

Scale: NTS

Tolerance: +/-0.25"

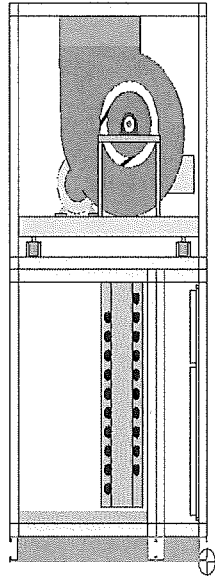
Dwg Units: in



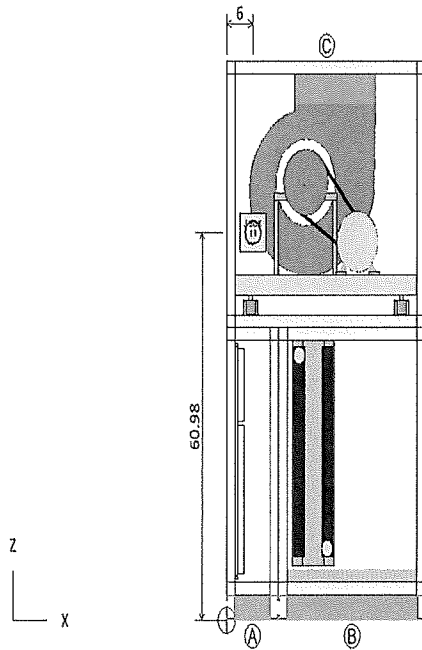
13600 Industrial Park Blvd, Minneapolis, MN 55441

www.DaikinApplied.com Software Version: 11.52

SECTION A- AHU 15



LEFT ELEVATION VIEW



RIGHT ELEVATION VIEW

Component Key

	Type	X	Y	Z	Volts	Phase
©	Supply Fan	6.00	0.00	60.98	460	3

Note: Dimensions are measured from the origin point.

Electrical Connections	Unit Tag: AHU-15	Sales Office: Carroll Air Systems, Inc.	 13600 Industrial Park Blvd, Minneapolis, MN 55441 www.DaikinApplied.com Software Version: 11.52			
Product: Vision Air Handler	Project Name: MMCC 4th Floor	Sales Engineer:				
Model: CAH015GDAM	Mar. 6, 2018	Ver/Rev:	Sheet: 1 of 1	Scale: NTS	Tolerance: +/- 0.25"	Dwg Units: in

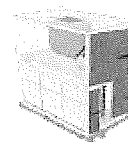
SECTION A- AHU 16

Vision® Air Handling Unit



Job Information Technical Data Sheet

Job Name MMCC 4th Floor
Date December 21, 2017
Submitted By AK
Software Version 11.42
Unit Tag AHU-16



Unit Overview

Model Number	Air Volume cfm	Supply				
		Static Pressure		External Dimensions		
		External in Wc	Total in Wc	Height in	Width in	Length in
CAH014GDAC	6515	1.50	2.38	42*	74*	46**

*Not including base rails, coil connectors, drain connectors and control boxes.

**Total lower deck length.

Unit

Model Number:	CAH014GDAC	Drive (Handling) Location:	Right
Approval:	ETL Listed / ETL Listed to Canadian Safety Standards (ETL Label / ETLc Label)	Wall Thickness:	2 in
Outer Panel:	Heavy-gauge G90 Galvanized Steel (unpainted)	Parts Warranty:	Standard One Year
Liner:	Galvanized Steel (unless noted per section)		
Insulation:	R-13 Injected Foam		
Unit Configuration:	Stacked / vertical		
Base:	4" formed channel		
Altitude:	0 ft		

Panel Filter		Component: 1		Length: 12 in		Shipping Section: 1	
Type	Efficiency	Face Velocity		Face Area		Air Volume	Filter Loading
Pleated	MERV 8	385 ft/min		16.9 ft²		6515 cfm	Side
Clean Air	Air Pressure Drop Mean Air	Dirty Air	Number of Filters	Height	Width	Depth	
0.16 inWc	0.58 inWc	1.00 inWc	3	24 in	24 in	2 in	
			3	12 in	24 in	2 in	
			Door				
Location			Width			Opening	
Drive side			8 in			Outward	

SECTION A- AHU 16

Vision® Air Handling Unit



Chilled Water Coil				Component: 2		Length: 34 in		Shipping Section: 2			
Coil Model		Total Capacity	Sensible Capacity		Number of Coils	Number of Rows	Fins per Inch	Tube Diameter	Tube Spacing (Face x Row)		
5WL1105B		247505 Btu/hr	174510 Btu/hr		1	5	11	0.625 in	1.50 in x 1.299 in		
Air Volume	Air Temperature				Coil Air Pressure Drop	Finned Height	Finned Length	Face Area	Face Velocity		
	Entering		Leaving								
	Dry Bulb	Wet Bulb	Dry Bulb	Wet Bulb							
6515 cfm	80.0 °F	67.0 °F	55.5 °F	54.8 °F	0.59 inWc	33 in	61 in	13.98 ft²	466 ft/min		
Water		Flow Rate		Pressure Drop		Velocity		Volume		Weight	
Entering		Leaving									
45.0 °F		54.5 °F		52.20 gpm		6.10 ftHd		3.40 ft/s		10.0 gal	85.00 lb
Connection [Data Per Coil]						Min. Fin Surface Temp.		Min. Tube Wall Surface Temp.		Fouling Factor	
Type	Size	Location		Material							
Threaded	2.50 in	Opp drive side		Carbon steel		45.0 °F		45.0 °F		0.000	
		Material		Drain Pan		Drain Side					
Fin	Tube	Header		Case							
Aluminum .0075 in	Copper .020 in	Copper		Stainless steel		Stainless steel				Opp drive side	
AHRI 410 Certification											
 Certified in accordance with the AHRI Forced-Circulation Air-Cooling and Air-Heating Coils Certification Program which is based on AHRI Standard 410 within the Range of Standard Rating Conditions listed in Table 1 of the Standard. Certified units may be found in the AHRI Directory at www.ahridirectory.org											
					Door						
Location					Width			Opening			
Drive side					18 in			Outward			

SECTION A – AHU 16

Vision® Air Handling Unit



Supply Fan		Component: 3		Length: 46 in		Shipping Section: 3			
Fan Performance									
Air Volume		Static Pressure		Brake Horsepower		Speed		Outlet Velocity	
External		Total		Cabinet		Operating		Maximum	
6515 cfm		1.50 inWc		2.38 inWc		0.00 inWc		4.19 BHP	
882 rpm		1155 rpm		2254 ft/min					
Fan Data									
Fan Type		Blade Type / Class		Quantity of Fans		Wheel Diameter		Number of Blades	
Discharge		Motor Location							
Centrifugal DWDI		Forward Curved / 1		1		18.03 in		N/A	
Up blast CW		To Side of Fan							
Motor Data									
Power		Electrical Supply		Speed		Efficiency		Enclosure	
Frame Size		Supplier		Number of Poles		Lock Rotor Current		Full Load Current	
5.0 HP		460/60/3 V/Hz/Phase		1750 rpm		Premium		ODP	
184 T frame		Generic		4		47.1 A		6.6 A	
Fan Options									
Isolator Type:		Spring							
Drive Package Data *									
Fan Sheave		Motor Sheave		Belt		Number of Belts		Actual Drive S.F.	
Bearing Type									
2AK64H		2AK32H		AX41		2		1.13	
Standard - L50 (200K)									
*Daikin Applied reserves the right to provide a different but equivalent drive package									
VFD/Starter/Disconnect Data									
Selection Type:		External J-Box				Vendor:		Factory Standard	
Voltage:		460 V				Height x Width x Depth:		6.00 in x 6.00 in x 4.00 in	
Mounting:		Door Side				Enclosure:		NEMA 1	
Door									
Location				Width				Opening	
Drive side				30 in				Outward	
Special Options									
Special Text									
Reduce Fan Height to 36" . Retain 18" FC wheel.									

Unit Sound Power (dB)								
Type	63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
Radiated:	71	71	61	60	55	47	46	51
Unit Discharge:	81	81	79	81	77	75	72	67
Unit Return:	76	75	72	74	69	67	62	55

SECTION A- AHU 16

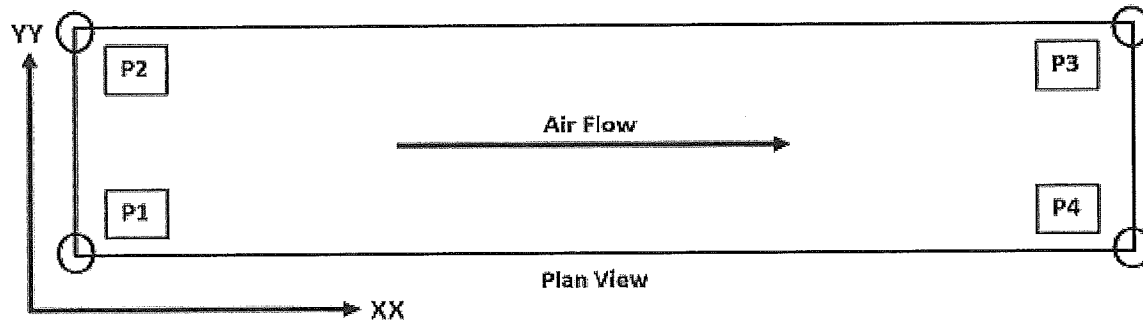
Vision® Air Handling Unit



Shipping Section Details

Section	Length in	Weight lb	Corner Weights (lb)				Center of Gravity (in)		
			P1	P2	P3	P4	XX	YY	ZZ
1	12	256	57	57	71	71	7	37	20
2	34	823	243	257	168	155	13	38	21
3	46	832	247	184	168	232	22	31	22
Entire Unit	46	1911	n/a	n/a	n/a	n/a	n/a	n/a	n/a

Lower level only



NOTE: Special components aren't included in the corner weights and center of gravity data.

AHRI Certification



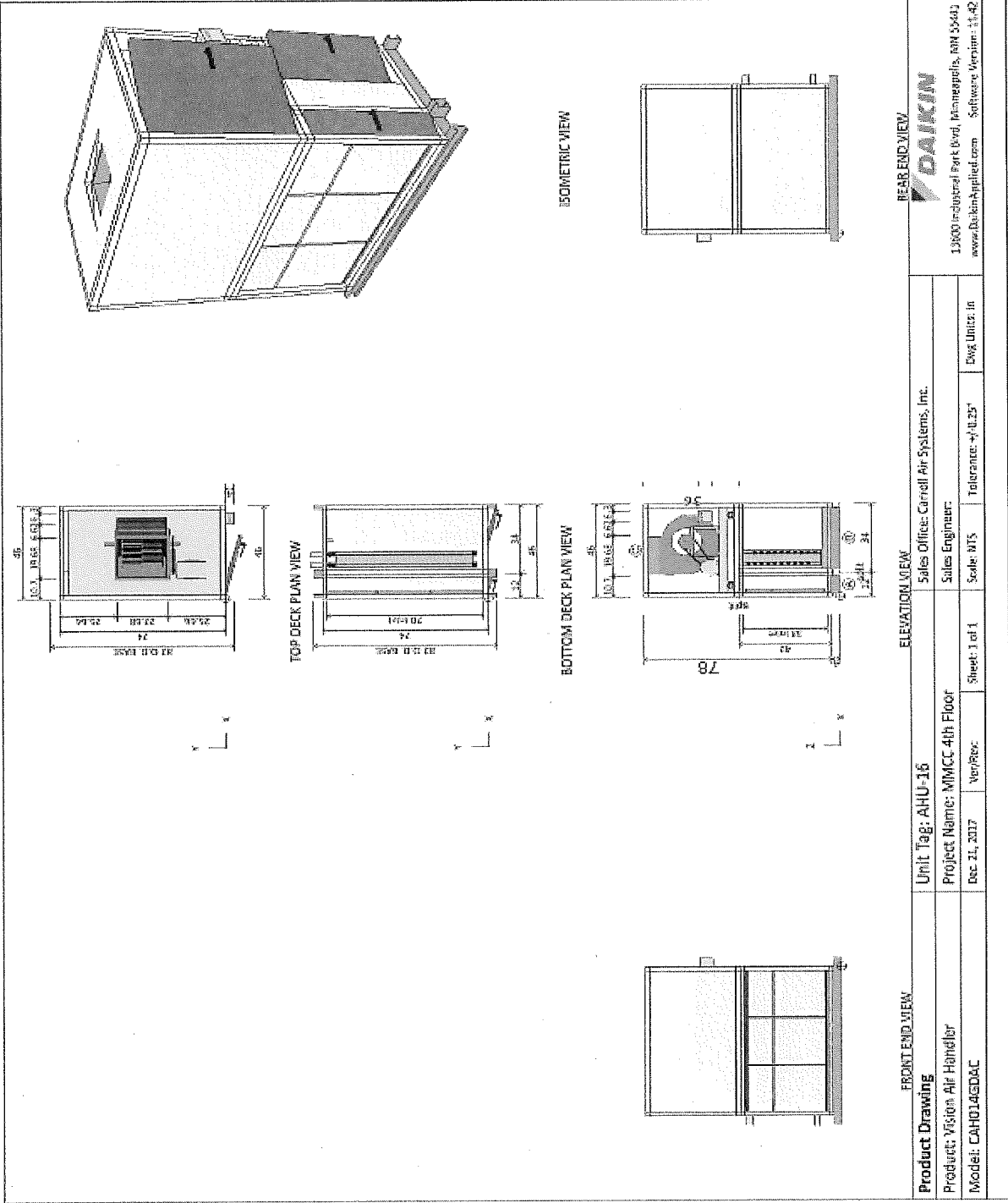
Supply fan performance is certified in accordance with the Central Station Air-Handling Unit Certification Program, which is based on AHRI Standard 430.

Notes

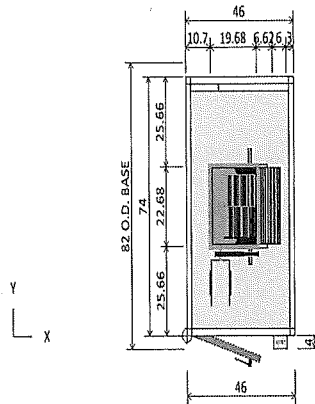
Standard

1. As a standalone component, unit meets or exceeds requirements of ASHRAE 90.1 - 2007. The approving authority is responsible for compliance of multi - component building systems.

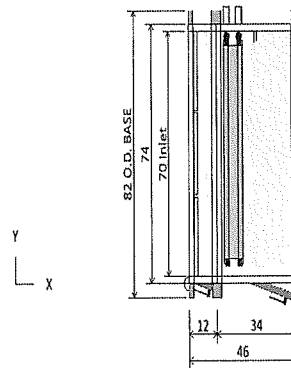
SECTION A- AHU 16



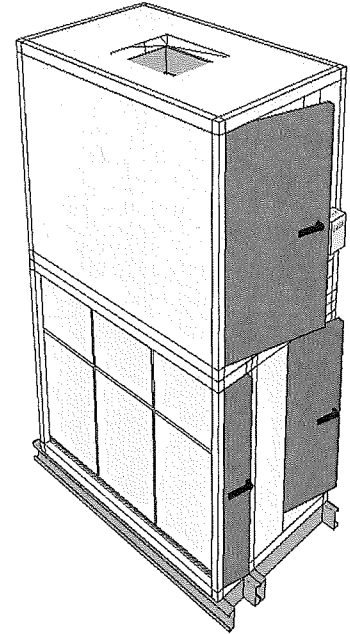
SECTION A- AHU 16



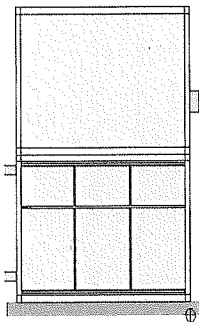
TOP DECK PLAN VIEW



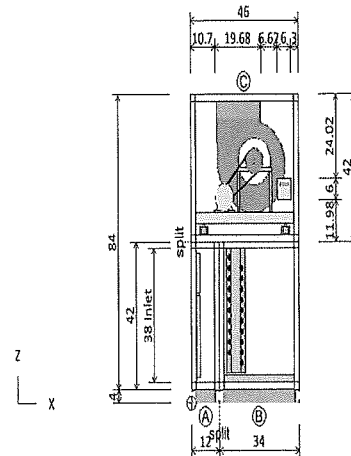
BOTTOM DECK PLAN VIEW



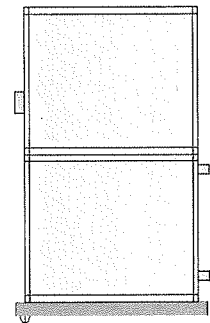
ISOMETRIC VIEW



FRONT END VIEW



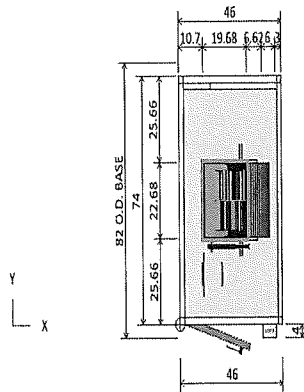
ELEVATION VIEW



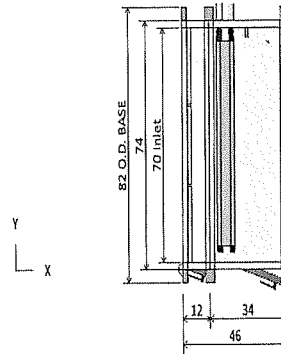
REAR END VIEW

Product Drawing	Unit Tag: AHU-16	Sales Office: Carroll Air Systems, Inc.	 13600 Industrial Park Blvd, Minneapolis, MN 55441 www.DaikinApplied.com Software Version: 11.52			
Product: Vision Air Handler	Project Name: MMCC 4th Floor	Sales Engineer:				
Model: CAH014GDAC	Mar. 6, 2018	Ver/Rev:	Sheet: 1 of 1	Scale: NTS	Tolerance: +/-0.25"	Dwg Units: in

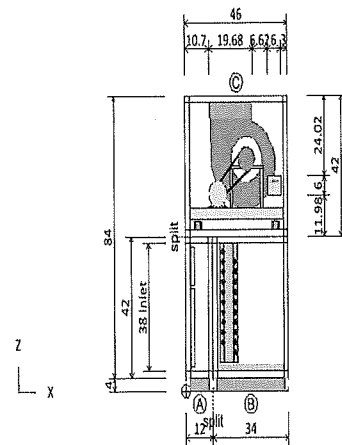
SECTION A- AHU 16



TOP DECK PLAN VIEW



BOTTOM DECK PLAN VIEW



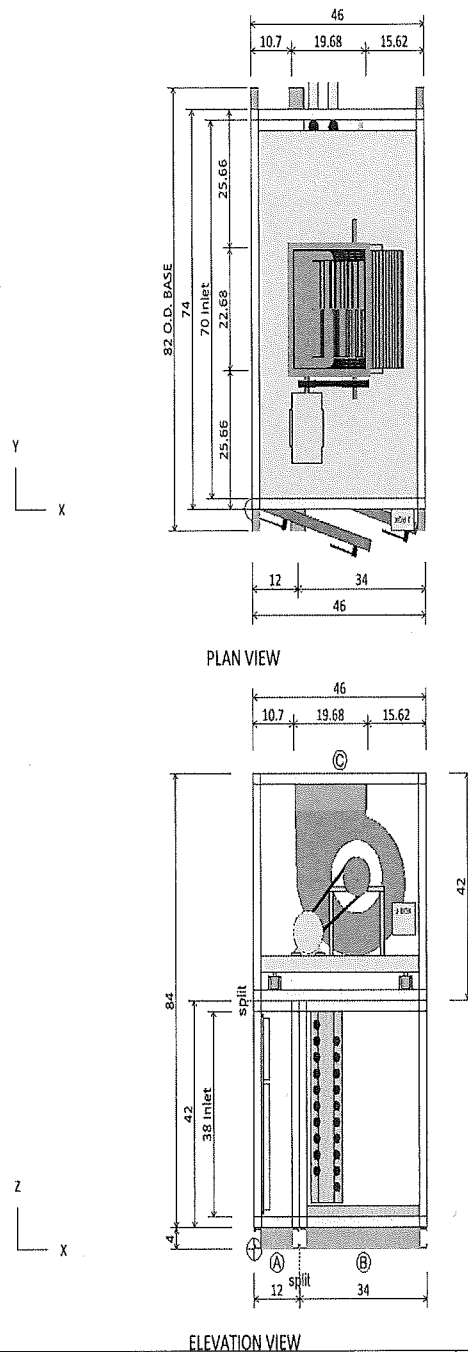
ELEVATION VIEW

Component Key

Panel Filter	
(A) Filter Type:	Pleated (MERV 8)
Right Door (WxH): 8 ins x 38 ins	
Chilled Water coil	
(B) Coil Model:	5WL1105B
Total Capacity:	247505.0 Btu/hr
Right Door (WxH): 18 ins x 34 ins	
Supply Fan	
Fan Type:	Centrifugal DWDI
Fan Size (Class):	18 (1)
(C) Air Flowrate:	6515.0 cfm
T.S.P.:	2.4 insWg
Motor Power:	5.0 HP
Right Door (WxH): 30 ins x 38 ins	

Product Drawing	Unit Tag: AHU-16	Sales Office: Carroll Air Systems, Inc.	 13600 Industrial Park Blvd, Minneapolis, MN 55441 www.DaikinApplied.com Software Version: 11.52			
Product: Vision Air Handler	Project Name: MMCC 4th Floor	Sales Engineer:				
Model: CAH014GDAC	Mar. 6, 2018	Ver/Rev:	Sheet: 1 of 1	Scale: NTS	Tolerance: +/-0.25"	Dwg Units: in

SECTION A- AHU 16

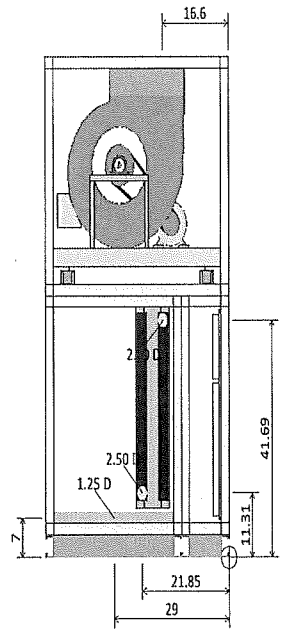


Component Key					
	Type	X	Y	Z	Wid
Ⓐ	Panel Filter Opening	0.00	2.00	6.00	70.00
Ⓒ	Supply Fan Fan Discharge	27.22	25.66	88.00	22.68

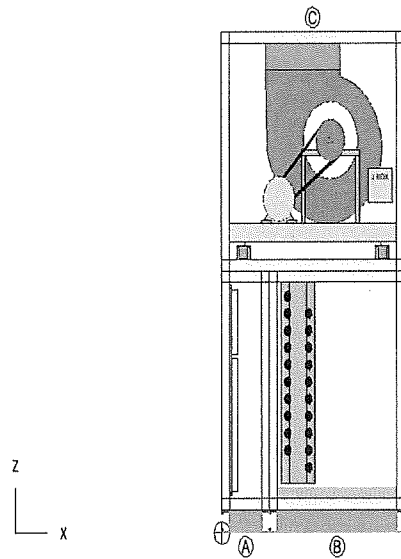
Note: Dimensions are measured from the origin point.

Opening/Damper Connections	Unit Tag: AHU-16	Sales Office: Carroll Air Systems, Inc.	 13600 Industrial Park Blvd, Minneapolis, MN 55441 www.DaikinApplied.com Software Version: 11.52		
Product: Vision Air Handler	Project Name: MMCC 4th Floor	Sales Engineer:			
Model: CAH014GDAC	Mar. 6, 2018	Ver/Rev:			
	Sheet: 1 of 1	Scale: NTS	Tolerance: +/-0.25"	Dwg Units: in	

SECTION A- AHU 16



LEFT ELEVATION VIEW



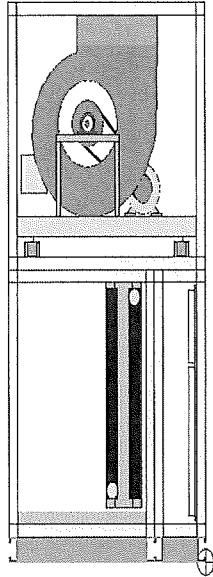
RIGHT ELEVATION VIEW

Coil and Drain Connections					
	Type	X	Y	Z	Diam
⑧	Chilled Water coil	29.00	76.90	7.00	1.25
	Condensate drain conn:	21.85	77.00	11.31	2.50
	Cold water inlet:	16.60	77.00	41.69	2.50
	Cold water outlet:				

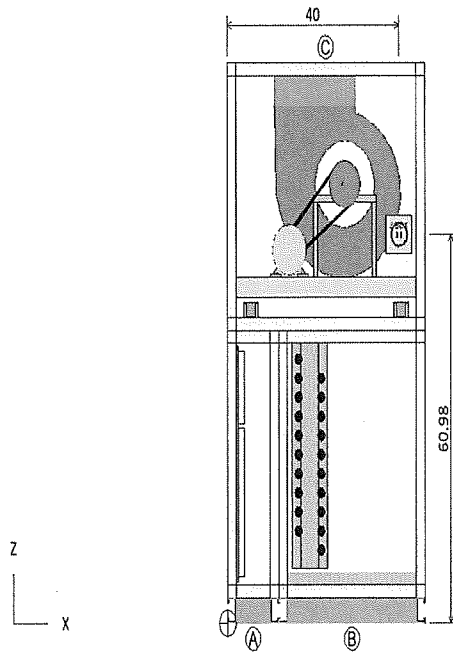
Note: Dimensions are measured from the origin point.

Coil and Drain Connections		Unit Tag: AHU-16		Sales Office: Carroll Air Systems, Inc.			 13600 Industrial Park Blvd, Minneapolis, MN 55441 www.DaikinApplied.com Software Version: 11.52
Product: Vision Air Handler		Project Name: MMCC 4th Floor		Sales Engineer:			
Model: CAH014GDAC		Mar. 6, 2018	Ver/Rev:	Sheet: 1 of 1	Scale: NTS	Tolerance: +/-0.25" Dwg Units: in	

SECTION A- AHU 16



LEFT ELEVATION VIEW



RIGHT ELEVATION VIEW

Component Key

Type	X	Y	Z	Volts	Phase
Supply Fan Fan	40.00	0.00	60.98	460	3

Note: Dimensions are measured from the origin point.

Electrical Connections	Unit Tag: AHU-16	Sales Office: Carroll Air Systems, Inc.	 13600 Industrial Park Blvd, Minneapolis, MN 55441 www.DaikinApplied.com Software Version: 11.52		
Product: Vision Air Handler	Project Name: MMCC 4th Floor	Sales Engineer:			
Model: CAH014GDAC	Mar. 6, 2018	Ver/Rev:	Sheet: 1 of 1	Scale: NTS	Tolerance: +/-0.25"
			Dwg Units: in		

SECTION A

MMCC 4th Floor Air Handler Renovation

PART 1: GENERAL

1.01 SECTION INCLUDES

- A. Indoor Air Handling Units.

1.02 REFERENCES

- A. AFBMA 9 - Load Ratings and Fatigue Life for Ball Bearings.
- B. AMCA 99 - Standards Handbook.
- C. AMCA 210 - Laboratory Methods of Testing Fans for Rating Purposes.
- D. AMCA 300 - Test Code for Sound Rating Air Moving Devices.
- E. AMCA 500 - Test Methods for Louver, Dampers, and Shutters.
- F. AHRI 410 - Forced-Circulation Air-Cooling and Air-Heating Coils.
- G. AHRI 430 - Central-Station Air-Handling Units.
- H. AHRI 435 - Application of Central-Station Air-Handling Units.
- I. ASTM B117 - Standard Practice for Operating Salt Spray Apparatus.
- J. NEMA MG1 - Motors and Generators.
- K. NFPA 70 - National Electrical Code.
- L. SMACNA - HVAC Duct Construction Standards - Metal and Flexible.
- M. UL 723 - Test for Surface Burning Characteristics of Building Materials.
- N. UL 900 - Test Performance of Air Filter Units.
- O. UL 1995 - Standard for Heating and Cooling Equipment.
- P. UL 94 - Test for Flammability of Plastic Materials for Parts in Devices and Appliances.
- Q. IBC 2000, 2003 - International Building Code.
- R. NFPA 90A - Standard for the Installation of Air Conditioning and Ventilating Systems.
- S. NFPA 5000 - Building Construction and Safety Code.
- T. ASHRAE 90.1 Energy Code.
- U. AHRI Standard 1060 - Rating Air-to-Air Heat Exchangers for Energy Recovery Ventilation Equipment.
- V. GSA 2003 Facilities Standard - 5.9 HVAC Systems and Components.

1.03 SUBMITTALS

A. Shop Drawings: Indicate assembly, unit dimensions, weight loading, required clearances, construction details, field connection details, and electrical characteristics and connection requirements. Computer generated fan curves for each air handling unit shall be submitted with specific design operating point noted. A computer generated psychometric chart shall be submitted for each cooling coil with design points and final operating point clearly noted. Sound data for discharge, radiated and return positions shall be submitted by octave band for each unit. Calculations for required baserail heights to satisfy condensate trapping requirements of cooling coil shall be included.

B. Product Data:

1. Provide literature that indicates dimensions, weights, capacities, ratings, fan performance, finishes of materials, electrical characteristics, and connection requirements.
2. Provide data of filter media, filter performance data, filter assembly, and filter frames.
3. Provide manufacturer's installation instructions.

SECTION A

1.04 QUALIFICATIONS

A. Manufacturer: Company specializing in manufacturing Air Handler products specified in this section must show a minimum five years documented experience and complete catalog data on total product.

1.05 SAFETY AGENCY LISTED & CERTIFICATION

A. Air Handling units shall be cETLus safety listed to conform with UL Standard 1995 and CAN/CSA Standard C22.2 No. 236. Units shall be accepted for use in New York City by the Department of Building, MEA 342-99-E.

B. Air handler furnished with double width, double inlet (DWDI) fans and/or plenum fans where applicable, shall be certified in accordance with the central station air handling units certification program, which is based on AHRI Standard 430. (NOTE: Above does not apply to fan array)

C. Air handling unit water heating & cooling coils shall be certified in accordance with the forced circulation air cooling and air heating coils certification program, which is based on AHRI Standard 410.

1.06 DELIVERY, STORAGE, AND HANDLING

A. Deliver, store, protect and handle products to site.

B. Accept products on site on factory-furnished shipping skids. Inspect for damage.

C. Store in clean dry place and protect from construction traffic. Handle carefully to avoid damage to components, enclosures, and finish.

PART 2: PRODUCTS

2.01 ACCEPTABLE MANUFACTURERS

A. The following manufacturers are approved for use. No substitutions will be permitted.

Custom Daikin Applied 'Vision' Air Handlers

2.02 GENERAL DESCRIPTION

A. Configuration: Fabricate as detailed on drawings.

B. Performance: Conform to AHRI 430. See schedules on prints. (NOTE: above does not apply to fan array)

C. Acoustics: Sound power levels (dB) for the unit shall not exceed the specified levels shown on the unit schedule. The manufacturer shall provide the necessary sound treatment to meet these levels if required.

2.03 UNIT CONSTRUCTION

A. Fabricate unit with heavy gauge channel posts and panels secured with mechanical fasteners. All panels, access doors, and ship sections shall be sealed with permanently applied bulb-type gasket. Shipped loose gasketing is not allowed.

B. Panels and access doors shall be constructed as a 2-inch nominal thick; thermal broke double wall assembly, injected with foam insulation with an R-value of not less than R-13.

1. The inner liner shall be constructed of G90 galvanized steel.

2. The outer panel shall be constructed of G90 galvanized 18-gauge steel.

3. The floor plate shall be constructed as specified for the inner liner.

4. Unit will be furnished with solid inner liners.

SECTION A

C. Panel deflection shall not exceed $L/240$ ratio at 125% of design static pressure, maximum 5 inches of positive or 6 inches of negative static pressure. Deflection shall be measured at the panel midpoint.

D. The casing leakage rate shall not exceed 0.50 cfm per square foot of casing surface area at design static pressure up to a maximum of +5" w.c. in positive pressure sections and -6" w.c. in negative pressure sections (.0025 m³/s per square meter of cabinet area at 1.24 kPa static pressure)

E. Module to module field assembly shall be accomplished with an overlapping, full perimeter internal splice joint that is sealed with bulb type gasketing on both mating modules to minimize on-site labor and meet indoor air quality standards.

F. Access doors shall be flush mounted to cabinetry, with minimum of two six inch long stainless steel piano-type hinges, latch and full size handle assembly. Access doors shall swing outward for unit sections under negative pressure. Access doors on positive pressure sections, shall have a secondary latch to relieve pressure and prevent injury upon access.

G. A 4-inch formed G60 galvanized steel base rail shall be provided by the unit manufacturer for structural rigidity and condensate trapping.. The base rail shall be constructed with 12-gauge nominal for unit sizes 003 - 035 and 10-gauge nominal for unit sizes 040 - 090. The following calculation shall determine the required height of the baserail to allow for adequate drainage. Use the largest pressure to determine base rail height. $[(\text{Negative})(\text{Positive}) \text{ static pressure (in)}] (2) + 4" = \text{required baserail height}$. Should the unit baserail not be factory supplied at this height, the contractor is required to supply a concrete housekeeping pad to make up the difference.

H. Construct drain pans from stainless steel with cross break and double sloping pitch to drain connection. Provide drain pans under cooling coil section. Drain connection centerline shall be a minimum of 3" above the base rail to aid in proper condensate trapping. Drain connections that protrude from the base rail are not acceptable. There must be a full 2" thickness of insulation under drain pan.

2.04 FAN ASSEMBLIES

A. Acceptable fan assembly shall be a double width, double inlet, class I, belt-drive type housed forward curved fan dynamically balanced as an assembly, as shown in schedule. Maximum fan RPM shall be below first critical fan speed. Fan assemblies shall be dynamically balanced by the manufacturer on all three planes and at all bearing supports. Copper lubrication lines shall be provided and extend from the bearings and attached with grease fittings to the fan base assembly near access door. If not supplied at the factory, contractor shall mount copper lube lines in the field. Fan and motor shall be mounted internally on a steel base. Provide access to motor, drive, and bearings through hinged access door.

B. Fan and motor shall be mounted internally on a steel base. Factory mount motor on slide base that can be slid out the side of the unit if removal is required. Provide access to motor, drive, and bearings through hinged access door. Fan and motor assembly shall be mounted on 2" deflection spring vibration type isolators inside cabinetry.

2.05 BEARINGS, SHAFTS, AND DRIVES

A. Bearings: Basic load rating computed in accordance with AFBMA - ANSI Standards. The bearings shall be designed for service with an L-50 life of 200,000 hours and shall be a heavy duty pillow block, self-aligning, grease-lubricated ball or spherical roller bearing type.

B. Shafts shall be solid, hot rolled steel, ground and polished, keyed to shaft, and protectively coated with lubricating oil. Hollow shafts are not acceptable.

SECTION A

C. V-Belt drives shall be cast iron or steel sheaves, dynamically balanced, bored to fit shafts and keyed. Fixed sheaves, matched belts, and drive rated based on motor horsepower. Minimum of 2 belts shall be provided on all fans with 10 HP motors and above. Standard drive service factor minimum shall be 1.1 S.F. for 1/4 HP – 7.5 HP, 1.3 S.F. for 10 HP and larger, calculated based on fan brake horsepower.

2.06 ELECTRICAL

A. Fan motors shall be manufacturer provided and installed, Open Drip Proof, premium efficiency (meets or exceeds EPA requirements), 1750 RPM, single speed, 460V / 60HZ / 3P. Complete electrical characteristics for each fan motor shall be as shown in schedule.

B. The air handler(s) shall be ETL and ETL-Canada listed by Intertek Testing Services, Inc. Units shall conform to bi-national standard ANSI/UL Standard 1995/CSA Standard C22.2 No. 236.

C. Wiring Termination: Provide terminal lugs to match branch circuit conductor quantities, sizes, and materials indicated. Enclosed terminal lugs in terminal box sized to NFPA 70.

D. Manufacturer shall provide ASHRAE 90.1 Energy Efficiency equation details for individual equipment to assist Building Engineer for calculating system compliance.

E. Installing contractor shall provide GFI receptacle within 25 feet of unit to satisfy National Electrical Code requirements.

F. Air handler manufacturer shall provide and mount conduit and wiring from each fan motor terminated at an external junction box.

2.07 COOLING AND HEATING COILS

A. Certification: Acceptable water cooling, water heating, steam, and refrigerant coils shall be certified in accordance with AHRI Standard 410 and bear the AHRI label. Coils exceeding the scope of the manufacturer's certification and/or the range of AHRI's standard rating conditions will be considered provided the manufacturer is a current member of the AHRI Forced Circulation Air-Cooling and Air-Heating Coils certification programs and that the coils have been rated in accordance with AHRI Standard 410. Manufacturer must be ISO 9002 certified.

B. Water cooling coil shall be provided. Provide access to coil(s) for service and cleaning. Enclose coil headers and return bends fully within unit casing. Unit shall be provided with coil connections that extend a minimum of 5" beyond unit casing for ease of installation. Drain and vent connections shall be provided exterior to unit casing. Coil connections must be factory sealed with grommets on interior and exterior panel liners to minimize air leakage and condensation inside panel assembly. If not factory packaged, Contractor must supply all coil connection grommets and sleeves. Coils shall be removable through side and/or top panels of unit without the need to remove and disassemble the entire section from the unit.

1. Headers shall consist of seamless copper tubing to assure compatibility with primary surface. Headers to have intruded tube holes to provide maximum brazing surface for tube to header joint, strength, and inherent flexibility. Header diameter should vary with fluid flow requirements.

2. Fins shall have a minimum thickness of 0.0075 inch aluminum plate construction. Fins shall have full drawn collars to provide a continuous surface cover over the entire tube for maximum heat transfer. Tubes shall be mechanically expanded into the fins to provide a continuous primary to secondary compression bond over the entire finned length for maximum heat transfer rates. Bare copper tubes shall not be visible between fins.

3. Coil tubes shall be 5/8 inch OD seamless copper, 0.020 inch nominal tube wall thickness, expanded into fins, brazed at joints.

SECTION A

4. Coil connections shall be carbon steel, NPT threaded connection. Connection size to be determined by manufacturer based upon the most efficient coil circuiting. Vent and drain fittings shall be furnished on the connections, exterior to the air handler. Vent connections provided at the highest point to assure proper venting. Drain connections shall be provided at the lowest point to insure complete drainage and prevent freeze-up.
5. Coil casing shall be a formed channel frame of stainless steel.

2.08 FILTERS

- A. Furnish flat panel filter section with 2-inch pleated MERV 8 filter. Provide side loading and removal of filters.
- B. Filter media shall be UL 900 listed, Class I or Class II.
- C. Filter Magnehelic gauge(s) shall be furnished and mounted by others.

PART 3: EXECUTION

3.01 INSTALLATION

- A. Install in accordance with manufacturer's Installation & Maintenance instructions.

3.02 ENVIRONMENTAL REQUIREMENTS

- A. Do not operate units for any purpose, temporary or permanent, until ductwork is clean, filters are in place, bearings lubricated, and fan has been test run under observation.

SECTION A

MMCC 4th Floor																									
Unit										Supply Fan															
Tag	Qty	Model	Length (in)	Weight (lb)	External Dimensions*			Fan					Motor												
					Height (in)	Supply	Width (in)	Type	Qty	Class	Airflow (CFM)	RPM	BHP	E.S.P. (inH2O)	T.S.P. (inH2O)	Voltage	Power (HP)						RPM	Control	
AHU-13	1	CAH015GDAM	46	2056.2	82		78	FC18	N/A	1	7000	901	4.73	1.5	2.48	460/60/3	7.5	1750	External J-Box						
AHU-14	1	CAH020GDAM	46	2324.24	88		86	FC18	N/A	1	9230	918	6.81	1.5	2.4	460/60/3	7.5	1750	External J-Box						
AHU-15	1	CAH015GDAM	46	2056.2	82		78	FC18	N/A	1	7250	909	5	1.5	2.52	460/60/3	7.5	1750	External J-Box						
AHU-16	1	CAH014GDAC	46	1911.48	82		74	FC18	N/A	1	6515	882	4.19	1.5	2.38	460/60/3	5	1750	External J-Box						
Chilled Water Coil																									
Tag	Qty	Model	Sensible Capacity (Btu/hr)	Total Capacity (Btu/hr)	EAT-DB °F	EAT-WB °F	LAT-DB °F	LAT-WB °F	F.V. (ft/min)	A.P.D. (inH2O)	EWT °F	LWT °F	Flow Rate (GPM)	W.P.D. (ftH2O)	Rows	FPI	Filter	Type	Iter Qty-Size	Depth	Efficiency	Clean PD (inH2O)	Dirty PD (inH2O)	Mean PD (inH2O)	
AHU-13	1	CAH015GDAM	196128	283828	80	80	67	54.4	53.8	470	0.68	45	55.1	56.1	8.4	6	10	panel	Pleated (MERV 8)	24.00	2	30	0.17	1	0.59
AHU-14	1	CAH020GDAM	250457	358490	80	80	67	55.2	54.4	467	0.59	45	54.7	73.9	10.1	5	11	panel	Pleated (MERV 8)	20.00	2	30	0.18	1	0.59
AHU-15	1	CAH015GDAM	202029	291756	80	80	67	54.5	53.9	487	0.71	45	55.1	58.1	9	6	10	panel	Pleated (MERV 8)	24.00	2	30	0.18	1	0.59
AHU-16	1	CAH014GDAC	174510	247505	80	80	67	55.5	54.8	466	0.59	45	54.5	52.2	6.1	5	11	panel	Pleated (MERV 8)	24.00	2	30	0.16	1	0.58
*Note, Fan sections may require disassembly to enter into mechanical rooms. AHU-14 will require the base rails to be removed to enter elevator.																									

*Note, Fan sections may require disassembly to enter into mechanical rooms. AHU-14 will require the base rails to be removed to enter elevator.