



CITY OF MARGATE
FURNISH AND INSTALL (8) HVAC
SYSTEMS
BID NO. 2022-007

BID BOND REQUIRED: YES

BID OPENING DATE: WEDNESDAY, AUGUST 3RD, 2022

BID OPENING TIME: 11:00 A.M.

PAYMENT BOND: NO

PERFORMANCE BOND: NO

**ALL PROPOSALS MUST BE RECEIVED BY THE PURCHASING DIVISION
PRIOR TO THE DATE AND TIME SPECIFIED ABOVE**

TABLE OF CONTENTS

PART I – GENERAL CONDITIONS

PAGE NO.

BASIC DEFINITIONS	3 – 4
NOTICE INVITING BIDS	5 – 6
INSTRUCTIONS TO BIDDERS	7 – 24
SPECIAL CONDITIONS	25 – 27
BID PROPOSAL FORM	28 – 29
SCHEDULE OF BID PRICES	30 – 32
BIDDER'S GENERAL INFORMATION	33
BID BOND	34
REFERENCE SHEET	35
COMPLIANCE WITH OSHA	36
STATEMENT OF NO BID	37
DRUG FREE WORKPLACE FORM	38
OFFEROR'S QUALIFICATION FORM	39 – 42
NON-COLLUSIVE FORM	43 – 44
SCRUTINIZED COMPANIES CERTIFICATION	45 – 46
E-VERIFY FORM	47
SAMPLE INSURANCE FORM	Attachment "A"
SAMPLE CONTRACT	Attachment "B"

PART II – TECHNICAL SPECIFICATIONS

TECHNICAL SHEETS



ADDENDUM NO. 1

BID NO. 2022-007 FURNISH AND INSTALL (8) HVAC SYSTEMS

July 25, 2022

TO ALL BIDDERS:

Please incorporate the following information/clarifications, changes, additions, and/or deletions into the TECHNICAL SPECIFICATIONS of the bid packet for the above referenced project:

QUESTIONS AND CLARIFICATIONS:

1. The new units and the existing curb adapters all have the same footprints. Therefore if you elect to change them we will be installing the same curbs that is currently installed. Please advise given that piece of information would you still want all the adapters to be changed because most of them are all in good shape with the exception of the 10-ton located at the senior center?

Answer: The curbs sizes are not expected to change.

2. The 7.5-ton on RTU on City Hall has a smoke detector that is not wired into the unit or the fire alarm. Therefore we are unable to know if this is a working smoke detector or if it needs replacing. Please advise if this is something that the City would take care of thru Bass the fire monitoring company before the final inspection?

Answer: The City will take care of it.

3. Please advise given the dates and times of operation of Calypso Cove water park. What would be the plan for a schedule to install the units at this facility?

Answer: Monday to Thursday 8:00 am – 4:00 pm

4. Can you please advise what is the budget for the bid Furnish and Install (8) HVAC Systems?

Answer: The budget amount is \$100,000.00.

NOTE: THE BID DUE DATE/TIME HAS CHANGED FROM 11:00 AM ON WEDNESDAY, AUGUST 3RD, 2022 TO 2:00 PM, WEDNESDAY, AUGUST 3RD, 2022.

PLEASE UPDATE ALL REFERENCES TO THE BID DUE DATE/TIME IN YOUR BID DOCUMENTS TO THE DATE/TIME INDICATED ABOVE.

This addendum consists of three (3) pages.

There are no other changes at this time.

Nirmala Samlal _____

Nirmala Samlal

Buyer I

7/25/2022

Please sign and return the acknowledgment page of this addendum by email or by fax. The original acknowledgement page is to be included with your qualifications submission.

ACKNOWLEDGEMENT FORM

ADDENDUM NO. 1


BID NO. 2022-007 FURNISH AND INSTALL (8) HVAC SYSTEMS

I acknowledge receipt of Addendum No. 1 for BID No. 2022-007, Furnish and Install (8) HVAC Systems. This addendum contains three (3) pages. Please include the original of this form in your qualifications submission.

Company Name: CLIMATE TEMP INC

Address: 1915 BANKS ROAD, MARGATE, FL. 33063

Name of
Signer STEVE LALCHAN
(please print)

Signature: 

Date: 7/26/22

Telephone: 954-410-6139

Facsimile: 954-698-9941

Please fax your completed form to (954) 935-5258 or e-mail to purchase@margatefl.com.

Nirmala Samlal

Nirmala Samlal

Buyer I

7/25/2022

NOTE: The original of this form must be included with your qualifications submission.

ACKNOWLEDGEMENT FORM

ADDENDUM NO. 1

**BID NO. 2022-007
FURNISH AND INSTALL (8) HVAC SYSTEMS**

I acknowledge receipt of Addendum No. 1 for BID No. 2022-007, Furnish and Install (8) HVAC Systems. This addendum contains three (3) pages. Please include the original of this form in your qualifications submission.

Company Name: CLIMATE TEMP INC

Address: 1915 BANKS ROAD, MARGATE, FL. 33063

Name of
Signer STEVE LALCHAN
(please print)

Signature: 

Date: 7/26/22

Telephone: 954-410-6139

Facsimile: 954-698-9941

Please fax your completed form to (954) 935-5258 or e-mail to purchase@margatefl.com.

Nirmala Samlal _____

Nirmala Samlal

Buyer I

7/25/2022

NOTE: The original of this form must be included with your qualifications submission.



ADDENDUM NO. 2

BID NO. 2022-007 FURNISH AND INSTALL (8) HVAC SYSTEMS

July 28, 2022

TO ALL BIDDERS:

Please incorporate the following information/clarifications, changes, additions, and/or deletions into the TECHNICAL SPECIFICATIONS of the bid packet for the above referenced project:

QUESTIONS AND CLARIFICATIONS:

1. Where on the bid would I find if any drawings or engineering is required for this project by the building department?

Answer: See Technical Specifications of the bid packet.

2. Where would I find the bid bond amount?

Answer: Page 34 of the bid packet.

3. Is there a payment and performance bond for this project and If so, what is that amount?

Answer: No payment and performance bond for this project.

4. Does liquidated damages apply to this bid and if so what is the amount per day?

Answer: See page 18 of the bid packet.

REMINDER: THE BID DUE DATE/TIME HAS CHANGED FROM 11:00 AM ON WEDNESDAY, AUGUST 3RD, 2022 TO 2:00 PM, WEDNESDAY, AUGUST 3RD, 2022 AS STATED IN ADDENDUM 1, DATED 07/25/2022.

PLEASE UPDATE ALL REFERENCES TO THE BID DUE DATE/TIME IN YOUR BID DOCUMENTS TO THE DATE/TIME INDICATED ABOVE.

This addendum consists of three (3) pages.

There are no other changes at this time.

Nirmala Samlal

Nirmala Samlal

Buyer I

7/28/2022

Please sign and return the acknowledgment page of this addendum by email or by fax. The original acknowledgement page is to be included with your qualifications submission.

ACKNOWLEDGEMENT FORM

ADDENDUM NO. 2

**BID NO. 2022-007
FURNISH AND INSTALL (8) HVAC SYSTEMS**

I acknowledge receipt of Addendum No. 2 for BID No. 2022-007, Furnish and Install (8) HVAC Systems. This addendum contains three (3) pages. Please include the original of this form in your qualifications submission.

Company Name: CLIMATE TEMP INC

Address: 1915 BANKS ROAD, MARGATE, FL. 33063

Name of
Signer STEVE LALCHAN
(please print)

Signature: 

Date: 8/2/22

Telephone: 954-410-6139

Facsimile: 954-698-9941

Please fax your completed form to (954) 935-5258 or e-mail to purchase@margatefl.com.

Nirmala Samlal _____

Nirmala Samlal

Buyer I

7/28/2022

NOTE: The original of this form must be included with your qualifications submission.

1.1 BASIC DEFINITIONS

Whenever used in these Bid Specifications or in an ensuing agreement, the following terms have the meanings indicated which are applicable to both singular and plural:

1.1.1 AGREEMENT – The written agreement between the City and Contractor covering the Work to be performed including other documents that are attached to the Agreement or made a part thereof.

1.1.2 CHANGE ORDER – A document which is signed by Contractor and City and authorizes an addition, deletion or revision in the Work within the general scope of this Agreement, or an adjustment in the Contract Price or the Contract Time, issued on or after the effective date of the Agreement.

1.1.3 CITY – The City Commission of the City of Margate, Florida with whom the Contractor has entered into an Agreement and for whom the Work is to be provided.

1.1.4 CONTRACTOR - A person or company that undertakes a contract to provide materials or labor to perform a service or do a job and licensed by the "Florida Construction Licensing Board".

1.1.5 BID DOCUMENTS – The bid documents consist of the General and Special Conditions, Technical (Drawings, Plans and Specifications), Non-Collusion Affidavit, Contract, Notice of Award, Certificate of Insurance, Bonds and any additional documents which are required to be submitted under the Contract, and all amendments, modifications and supplements, Change Orders and Work Directive Changes issued on or after the effective date of the Contract.

1.1.6 DEFECTIVE – An adjective which when modifying the Work refers to the Work that is unsatisfactory, faulty or deficient, or does not conform to the Bid Documents, or does not meet the requirements of any inspection, reference standard, test or approval referred to in the Bid Documents, or has been damaged prior to final payment.

1.1.7 DRAWINGS – The drawings which show the character and scope of the Work to be performed and which are referred to in the Bid Documents.

1.1.8 EFFECTIVE DATE OF THE AGREEMENT – The date indicated in the Agreement on which it becomes effective, but if no such date is indicated it means the date on which the Agreement is signed and delivered by the last of the two parties to sign and deliver or upon receipt of a signed purchase order by the Contractor.

1.1.9 ENGINEER - N/A

1.1.10 FIELD ORDER – A written order issued by the City's Representative or City which orders minor changes in the Work but which does not involve a change in the Contract Price or the Contract Time.

1.1.11 NOTICE TO PROCEED – A written notice given by the City to Contractor fixing the date on which the Contract Time will commence to run, and on which Contractor shall start to perform Contractor's obligations under the Bid Documents.

1.1.12 PROJECT – The total construction for which the Contractor is responsible under this Agreement, including all labor, materials, equipment and transportation used or incorporated in such construction or for the completion of the project and delivery.

1.1.13 SPECIFICATIONS - Those portions of the Bid Documents consisting of written descriptions of materials, equipment, construction systems, standards, and Workmanship as applied to the Work and certain administrative details applicable thereto.

1.1.14 SUBCONTRACTOR – An individual, firm, or corporation having a direct contract with Contractor or with any other subcontractor for the performance of a part of the Work.

1.1.15 SUPPLIER – A manufacturer, fabricator, supplier, distributor, materialman or vendor.

1.1.16 WORK – Work is a result of performing services, specifically, including but not limited to construction, labor furnished, soil borings, equipment and materials used or incorporated in the construction of the entire project as required by the Bid Documents.

1.1.17 WORK CHANGE DIRECTIVE – A written directive to Contractor issued on or after the effective date of the Agreement and signed by City and recommended by Engineer or City ordering an addition, deletion, or revision in the Work. A Work Change Directive shall not change the Contract Price or Time, but is evidence that the parties expect that the change directed or documented by a Work Change Directive 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 Time.

1.1.18 WRITTEN AMENDMENT – A written amendment of the Bid Documents, signed by City or Contractor on or after the Effective Date of the Agreement and normally dealing with the non-architectural, or non-technical aspects rather than strictly Work related aspects of the Bid Documents.

NOTICE INVITING BIDS

SUBMITTING PROPOSALS: Sealed bids will be accepted in the Purchasing Division Office, 5790 Margate Boulevard, Margate, FL 33063 until **11:00 AM., WEDNESDAY, AUGUST 3RD, 2022**, for a completed project to provide all materials, labor, equipment, tools, transportation, and permits for Furnish and Install (8) HVAC Systems for the City of Margate, (1) Finance Dept., City Hall, (2) Commission Chambers, (3) Information Technology Dept., (4) Northwest Focal Point Senior Center, (5) Fire Station #98, (6) Calypso Cove, Training Room, (7) Calypso Cove, Concession Room, (8) Calypso Cove, Administration Office.

There will be no Pre-Bid Meeting for this bid. If potential Bidders would like to request a site visit for any location associated with the bid, please contact:

Glen Mammel
at 954-972-8126
gmammel@margatefl.com

All bids received will be publicly opened and read at the close of bidding in the Commission Chambers of City Hall. All bidders or their representatives are invited to be present.

It will be the sole responsibility of the bidders to deliver its proposal to the Purchasing Division on or before the date and time specified. Bids received after the specified date and time will not be considered, and will be returned unopened to the bidder.

NO FAXED OR ELECTRONICALLY TRANSMITTED BIDS WILL BE ACCEPTED. One original copy and one electronic version (on a USB drive) shall be submitted in a sealed envelope and plainly marked on the outside of the envelope; the bidder's name and address followed by "**SEALED BID FOR "FURNISH AND INSTALL (8) HVAC SYSTEMS, BID NO. 2022-007"**" address where bid is to be delivered or mailed to, and the date and time of the bid opening.

Bids must be submitted on the Bid Proposal Form(s) provided herein. Failure to do so will cause for bid to be rejected. Proposals having an erasure or correction must be initialed by the bidder in ink. Bids shall be signed in ink; all quotations shall be typewritten and filled in with pen and ink.

COMPLETION OF WORK: The Work shall be completed within 45 calendar days after the commencement date stated in the Notice to Proceed or Purchase Order.

The Bidder shall guarantee the total bid price for a period of 90 days from the date of bid opening.

PROJECT ADMINISTRATION: All technical questions relative to the Work shall be directed

to: **Mr. Glen Mammel**
102 Rock Island Road
Margate, FL 33063
954-972-8126
purchase@margatefl.com

The City of Margate reserves the right to waive informalities and/or irregularities in any bid and further reserves the right to reject any and all bids and to take any other action that may be deemed necessary in its best interest.

Nirmala Samlal
Buyer I

GENERAL CONDITIONS

INSTRUCTIONS TO BIDDERS

1. **DEFINED TERMS:** Terms used in these Instructions to Bidders and the Notice Inviting Bids, which are defined in the General Conditions, have the meaning assigned to them in the General Conditions. The term "bidder" means one who submits a bid directly to City, as distinguished from a sub-bidder, who submits a bid to a bidder.
2. **COMPETENCY OF BIDDER:** In selecting the bid which best meets the interests of the City, consideration will be given not only to the financial standing, but also to the general competency of the bidder for the performance of the Work covered by the bid. To this end, each bid shall be supported by a statement of the bidder's experience as of recent date on the form entitled "**Reference Sheet**" herein. A "NO BID" for the Work will be accepted from a contractor who does not hold a valid contractor's license in the State and County where the Work is to be performed (if required by State or County) applicable to the type of Work bid upon at the time of opening bids.
3. **DISQUALIFICATION OF BIDDER:** More than one bid from an individual firm, partnership, corporation, or association under the same or different names will not be considered. If the City believes that any bidder is interested in more than one bid for the Work contemplated, all bids in which such bidder is interested will be rejected. If the City has reason to believe that collusion exists among the bidders, all bids will be rejected.
4. **BIDDER'S EXAMINATION OF BID DOCUMENTS AND SITE:**
 - 4.1 It is the responsibility of each bidder before submitting a bid, to:
 - (a) Examine the Bid Documents thoroughly,
 - (b) Visit the site to become familiar with local conditions that may affect cost, progress, or performance of Work,
 - (c) Consider federal, state and local laws and regulations that may affect cost, progress, or performance of Work,
 - (d) Study and carefully correlate the bidder's observations with the Bid Documents, and,
 - (e) Notify the City or the City's Representative of all conflicts, errors, or discrepancies in the Bid Documents.
 - 4.2 Information and data reflected in the Bid Documents with respect to underground utilities at or contiguous to the site is based upon information and data furnished to the City or the City's Representative by the owners of such underground utilities or others, and the City does not assume responsibility for the accuracy or completeness thereof unless it is expressly provided otherwise in the Agreement or Bid Documents.
 - 4.3 Provisions concerning responsibilities for the adequacy of data furnished to prospective bidders on subsurface conditions, underground utilities, and other physical conditions, and possible changes in the Bid Documents due to differing conditions appear in the Agreement.
 - 4.4 Before submitting a bid, each bidder will, at bidder's own expense, make or obtain any additional examinations, investigations, explorations, tests, and studies and obtain any additional information and data which pertain to the physical conditions (surface, sub-surface, and underground utilities) at or contiguous to the site or otherwise which may affect cost, progress of performance on the Work and which the bidder deems necessary to determine the bid for performing the Work in accordance with the time, price, and other terms and conditions of the Bid Documents.

4.5 On request in advance, the City will provide each bidder access to the site to conduct such explorations and tests as each bidder deems necessary for submission of a bid. Bidder shall fill all holes and shall clean up and restore the site to its former condition upon completion of such explorations.

4.6 The land upon which the Work is to be performed, rights-of-way and easements for access thereto and other land designated for use by the Contractor in performing the Work are identified in the Bid Documents. All additional land and access thereto required for temporary construction facilities or storage of materials and equipment are to be provided by the Contractor. Easements for permanent structures or permanent changes in existing structures are to be obtained and paid for by the City unless otherwise provided in the Bid Documents.

4.7 The submission of a bid will constitute an incontrovertible representation by the bidder that the bidder has complied with every requirement of "Bidders Examination of Bid Documents and Site" contained herein, that without exception the bid is premised upon performing the Work required by the Bid Documents and such means, methods, techniques, sequences or procedures as may be indicated in or required by the Bid Documents, and that the Bid Documents are sufficient in scope and detail to indicate and convey understanding of all terms and conditions for performance of the Work.

Note: The requirements 4.1 through 4.7 are general bid examination requirements included in all Bid Documents. Only requirements that can be specifically applied to this solicitation shall be in force, at the City's discretion.

5. INTERPRETATIONS: All questions about the meaning or intent of the Bid Documents are to be directed to the City or the City's Representative in writing. Interpretations or clarifications considered necessary in response to such questions will be issued by written Addenda to all parties recorded by the City or the City's Representative as having received the Bid Documents. Questions received less than seven (7) days prior to the date for opening of bids may not be answered. Only questions answered by formal written addenda will be binding. Oral and other interpretations or clarifications will be without legal effect. It is the Contractor's responsibility to contact the City prior to the bid opening to determine if any addenda have been issued on the project.

6. BID SECURITY, BONDS: Each bid (if required) shall be accompanied by a certified or cashier's check or approved Bid Bond in the amount stated in the Bid Documents. Said check or bond shall be made payable to the City and shall be given as guarantee that the bidder, if awarded the bid will enter into an Agreement with the City, and shall furnish the necessary insurance certificates, payment and performance Bonds (if required), each of said bonds to be in the amount stated in the Bid Documents or Agreement. In case of refusal or failure by bidder to enter into an Agreement, the check or bid bond shall be forfeited to the City. If the bidder elected to furnish a bid bond as its bid security, the bidder shall use the Bid Bond form bound herein, or one conforming substantially to it in form. The same shall apply to the use of the performance and payment bond forms.

Pursuant to the requirements of s. 255.05(1)(a), Florida Statutes, it shall be the duty of the Contractor to record the aforesaid payment and performance bonds in the public records of Broward County, with the Contractor to pay all recording costs.

7. RETURN OF BID SECURITY: Within 14 days after award of the bid or Contract, the City will return the bid securities accompanying the bids not considered in making the award. All other bid securities will be held until the Agreement has been fully executed. They will then be returned to the respective bidders whose bids they accompany.

8. **BID FORM:** The bid shall be made on copies of the bidding schedule bound herein.
9. **SUBMISSION OF BIDS:** Refer to **NOTICE INVITING BIDS**.
10. **DISCREPANCIES IN BIDS:** In the event there is more than one bid item in a bidding schedule, the bidder shall furnish a price for all bid items in the schedule, and failure to do so will render the bid non-responsive and may cause its rejection. In the event there are unit price bid items in a bidding schedule and the "amount" indicated for a unit price bid item does not equal the product of the unit price and quantity, the unit price shall govern and the amount will be corrected accordingly, and the Contractor shall be bound by said correction. In the event there is more than one bid item in the bidding schedule and the total indicated for the schedule does not agree with the sum of the prices bid on the individual items, the prices bid on the individual items shall govern and the total for the schedule will be corrected accordingly, and the Contractor shall be bound by said correction.
11. **QUANTITIES OF WORK:** The quantities of Work or materials stated in unit price items of the bid are supplied only to give an indication of the general scope of the Work; the City does not expressly or by implication agree that the actual amount of Work or material will correspond therewith, and reserves the right after award to increase or decrease the amount of any unit price item of the Work by an amount up to and including 25 percent of any bid item, without a change in the unit price, and shall include the right to delete any bid item in its entirety, or to add additional bid items up to and including an aggregate total amount not to exceed 25 percent of the Contract Price.
12. **WITHDRAWAL OF BID:** The bid may be withdrawn by the bidder by means of a written request, signed by the bidder or its properly authorized representative. Such written request must be delivered to the place stipulated in the **NOTICE INVITING BIDS** for receipt of bids prior to the scheduled closing time for receipt of bids.
13. **MODIFICATIONS AND UNAUTHORIZED ALTERNATIVE BIDS:** Unauthorized conditions, limitations, or provisos attached to the bid will render it informal and may cause its rejection as being non-responsive. The completed bid forms shall be without interlineations, alterations, or erasure in the printed text. Alternative bids will not be considered unless called for. Oral, telegraphic, telephonic, faxed or electronically transmitted bid or modifications will not be considered.
14. **OR EQUAL: (Unless otherwise specified in the Bid Documents)** Manufacturer's name, brand name and model number are used in these specifications for the sole purpose of establishing minimum requirements of level of quality, standards of performance and design required and is in no way intended to prohibit the bidding of other manufacturer's items of equal material. Equal may be bid providing units bid are equal to or exceed the quality, standards of performance, design, etc. to the item specified.
- Where equal is bid, proposals must be accompanied with factory information sheets (specifications, brochures, etc.) of unit bid as equal. The City shall be the sole judge of equality and our decision will be final in the City's best interest.
- Any equipment delivered under this proposal will be new, the manufacturer's latest model, and carry the standard factory warranty.
15. **AWARD OF BID/CONTRACT:** Award of a bid/contract, if it be awarded, will be made to the bid which is deemed to be in the best interest of the City of Margate as determined in the sole discretion of the City. Unless otherwise specified, any such award will be made within the period stated in the **NOTICE INVITING BIDS** that the bids are to remain open. Unless otherwise

indicated, a single award will be made for all the bid items in an individual bidding schedule. In the event the Work is contained in more than one bidding schedule, the City may award schedules individually or in combination. In the case of two (2) bidding schedules which are alternative to each other, only one (1) of such alternative schedule will be awarded. The City reserves the right to accept or reject any or all bids/parts of bids, to waive informalities in any bid, or to take any other action that is deemed to be in the best interest of the City.

- 16. EXECUTION OF AGREEMENT:** The bidder to whom award is made shall execute a written agreement on the form of agreement provided, or by accepting City's purchase order and shall secure all insurance, and furnish all certificates and bonds required by the Bid Documents within ten (10) calendar days after receipt of the agreement forms or purchase order from the City. Failure or refusal to enter into an agreement or accept City's purchase order as herein provided or to conform to any stipulated requirements in connection therewith shall be just cause for annulment of the award and forfeiture of the Bid Security. The contract attached as part of this bid document is in substantially executable form. City does not intend to allow or accept modifications to the general format. If the bidder who has been awarded the bid pursuant to Paragraph 15 refuses or fails to execute the agreement, the City may award the Contract to whichever bidder it determines next best serves its interest. On the failure or refusal of such second or third bidder (who was awarded the contract) to execute the agreement, each such bidder's bid security shall be likewise forfeited to the City.
- 17. SITE INSPECTION:** Bidder is responsible for a site inspection and final determination of all materials, labor, and equipment required in its proposal. Contractor will obtain complete data at the site and inspect surfaces that are to receive his Work. Before proceeding with Work, Contractor will be solely responsible for accuracy of measurements and laying out of Work; and will correct errors or defects due to faulty measurements taken, information obtained, layout, or due to failure to report discrepancies.
- 18. GOVERNMENT RESTRICTIONS:** In the event any governmental restrictions may be imposed which would necessitate alteration of the material/quality, Workmanship, or performance of the items/services offered on the bid prior to delivery/performance, it shall be the responsibility of the successful bidders to notify the City at once, indicating in their letter the specific regulation which required an alteration. The City reserves the right to accept any such alteration, including any price adjustment occasioned hereby, or to cancel the contract at no further expense to the City.
- 19. PUBLIC ENTITY CRIMES INFORMATION STATEMENT:** Pursuant to the requirements of s. 287.133 (2)(a), Florida Statutes, "A person or affiliate who has been placed on the convicted vendor list following a conviction for a public entity crime may not submit a bid, proposal, or reply on a contract to provide any goods or services to a public entity; may not submit a bid, proposal, or reply on a contract with a public entity for the construction or repair of a public building or public Work; may not submit bids, proposals, or replies on leases of real property to a public entity; may not be awarded or perform Work as a contractor, supplier, subcontractor, or consultant under a contract with any public entity; and may not transact business with any public entity in excess of the threshold amount provided in s. 287.017 for CATEGORY TWO for a period of 36 months from the date of being placed on the convicted vendor list."
- 20. DISCRIMINATORY VENDOR LIST:** Pursuant to the requirements of s. 287.134 (2)(a) , Florida Statutes, "An entity or affiliate who has been placed on the discriminatory vendor list may not submit a bid, proposal, or reply on a contract to provide any goods or services to a public entity; may not submit a bid, proposal, or reply on a contract with a public entity for the construction or repair of a public building or public work; may not submit bids, proposals, or replies on leases of real property to a public entity; may not be awarded or perform work as a contractor, supplier, subcontractor, or consultant under a contract with any public entity; and may not transact business with any public entity."

21. COPYRIGHTS OR PATENT RIGHTS: Bidder warrants that there has been no violation of copyrights or patent rights in manufacturing, producing, or selling the goods shipped or ordered, as a result of this bid.

22. TAXES: The City is exempt from all Federal and State taxes. Contractor shall pay all sales, consumer, use and other similar taxes required, to be paid by the Contractor in accordance with the laws and regulations of the State of Florida and its political subdivisions. Contractor is responsible for reviewing the pertinent State Statutes involving such taxes and complying with all requirements.

23. STANDARDS OF SAFETY: The Bidder warrants that the product(s) and services supplied to the City conform in all respects to the standards set forth in the Occupational Safety and Health Act and its amendments and to any industry standards if applicable. Bid Proposal must be accompanied by Safety Data Sheet(s). (See attachment – Compliance with Occupational Safety and Health Act)

The Contractor shall take reasonable precautions for safety of, and shall provide reasonable protection to prevent damage, injury or loss to; (1) employees on the Work site and other persons who may be affected thereby; (2) the Work and materials and equipment to be incorporated therein; and (3) other property at or adjacent to the site.

The Contractor shall give notices and comply with applicable laws, ordinances, rules, regulations and orders of public authorities bearing on the safety of persons and property and their protection from damage, injury, or loss.

Roadways have school crossing areas that are active before 8:30 AM and after 2:00 PM. Contractor shall keep all crosswalk areas clear during periods when school children are present. All sidewalks shall be kept clear of any excess debris and shall not be barricaded or taped off during nights and weekends.

Contractor shall be responsible for initiating, maintaining and supervising all safety precautions and programs in connection with the Work to prevent damage, injury, or loss to all employees on the Work site and other persons and organizations who may be affected thereby; all the Work and materials and equipment to be incorporated therein, whether in storage on or off site; and other property at the site or adjacent thereto.

Contractor shall be liable for damage or loss (other than damage or loss to property insured under the property insurance provided or required by the Bid Documents to be provided by the City) to property at the site caused in whole or in part by the Contractor, a subcontractor of the Contractor or anyone directly or indirectly employed by either of them, or by anyone for whose acts they may be liable.

24. NO BID: Refer to 'STATEMENT OF NO BID' form incorporated into the bid proposal document.

25. SILENCE OF SPECIFICATIONS: The apparent silence of this specification and any supplemental specifications to any details or the omission from same of any detailed description concerning any point shall be regarded as meaning that only the best commercial practices are to prevail and that only materials of first quality and correct type, size, and design are to be used. All Workmanship is to be first quality. All interpretations of these specifications shall be made upon the basis of this statement.

26. CITY PERMITS: The Contractor shall be required to obtain all necessary permits from the City Engineering and/or Building Departments. If the schedule of Bid Prices does not include a permit allowance line item, permit fees should be included in your bid proposal. All permit applications shall be made using the City's online permitting system called Project Dox. A City permit fee

schedule can be obtained from the City's website at www.margatefl.com under the Building Department by clicking on the link provided for permit fees. Any questions regarding the requirements to obtain a permit from the City of Margate Building Department should be directed to (954) 970-3004.

- 27. NOTICE TO PROCEED:** The Contractor shall commence Work within ten (10) calendar days after receipt of Notice to Proceed or Purchase Order from the City unless otherwise stated
- 28. LIABILITY INSURANCE:** The bidder will assume the full duty, obligation, and expense of obtaining all insurance required. The City shall be **additional insured** under all policies required by this proposal and Contractor shall be required to provide all necessary endorsements to the City of Margate. The bidder shall be liable for any damages or loss to the City occasioned by negligence of the bidder or its agents or any person the bidder has designated in the completion of its contract as a result of the bid. The successful bidder shall furnish to the Purchasing Division, City of Margate, 5790 Margate Blvd., Margate, Florida 33063 original certificates of insurance which indicate that the insurance coverage has been obtained or otherwise secured in a manner satisfactory to the City in an amount equal to 100% of the requirements provided herein and shall be presented to City prior to issuance of any contract(s) or award(s) document(s) which meets the requirements as outlined on sample certificate. Additionally, any subcontractor hired by the Contractor for this project shall provide insurance coverage as stated herein. City shall not be responsible for purchasing and maintaining any insurance to protect the interests of Contractor, subcontractors or others on the Work site. City specifically reserves all statutory and common law rights and immunities and nothing herein is intended to limit or waive same including, but not limited to, the procedural and substantive provisions of Florida Statute 768.28 and Florida Statute 95.11.
- 29. IDENTICAL TIE BIDS:** Refer to the **Drug Free Workplace Program Form** attachment for information on how tie bids will be handled.
- 30. CONFLICT OF INTEREST:** For purposes of determining any possible conflict of interest, all proposers must disclose if any City employee is also an owner, corporate officer, or employee of their business. If such a relationship(s) exist, the Proposer must file a statement with the Supervisor of Elections, pursuant to Florida State Statute 112.313.
- 31. FORCE MAJEURE:** Seller's failure to make, or buyer's failure to take, any delivery or deliveries when due, if caused by Force Majeure as hereinafter defined, shall not constitute a default hereunder nor subject the party so failing to any liability to the other, provided however, the party affected by such Force Majeure shall promptly notify the other of the existence thereof and its expected duration and the estimated effect thereof upon its ability obligations hereunder.

Such party shall promptly notify the other party when such Force Majeure circumstances have ceased to affect its ability to perform its obligations hereunder. The quantity to be delivered hereunder shall be reduced to the extent of the deliveries omitted for such cause or causes, unless both parties agree that the total quantity delivered hereunder remain unchanged. As used herein, the term Force Majeure shall mean and include an ACT OF GOD or the public enemy, accident, explosion, fire, storm, earthquake, flood, drought, perils of the sea, strikes, lockouts, labor troubles, riots, sabotage, embargo, war (whether or not declared and whether or not the United States is a participant) Federal, State, or Municipal Law, regulation, order, license, priority, seizure, requisition, or allocation, failure to delay from transportation, shortage of or inability to obtain supplies, equipment, fuel, labor, or any other circumstances of a similar or different nature beyond the reasonable control of the party so failing.

32. WARRANTIES:

Warranty of Title:

The Contractor warrants to the City that it possesses good, clear and marketable title to all equipment and materials provided hereunder and there are no pending liens, claims or encumbrances whatsoever against said equipment and materials.

Warranty of Specifications:

The Contractor warrants that all equipment, materials and Workmanship furnished, whether furnished by the Contractor or its subcontractors and suppliers, will comply with the specifications, drawings and other descriptions supplied or adopted and that all services will be performed in a Workmanlike manner.

Warranty of Merchantability:

Contractor warrants that any and all equipment to be supplied pursuant to the Agreement is merchantable, free from defects, whether patent or latent in material or Workmanship and fit for the ordinary purposes for which it is intended. Offeror shall confer to the City all warranties offered by manufacturers.

Warranty of Material and Workmanship:

Successful Offeror warrants all material and Workmanship for a minimum of one (1) year from date of completion and acceptance by Owner. If within one (1) year after acceptance by Owner, or within such larger period of time as may be prescribed by Law, any of the Work is found to be defective or not in accordance with the bid/contract documents, successful Offeror shall promptly, after receipt of written notice from Owner to do so, correct the Work unless Owner has previously given successful Offeror a written acceptance of such condition. This obligation shall survive termination of the contract.

Warranty of Fitness for a Particular Purpose:

Successful Offeror warrants the equipment shall be fit for, and sufficient for, the purpose(s) intended and outlined within this bid/proposal package. Successful Offeror understands and agrees that Owner is purchasing the equipment in reliance upon the skill of the successful Offeror in furnishing the equipment suitable for the purpose stated.

If the equipment cannot be used in the manner stated in the bid/proposal, then Owner, at its sole discretion, may return the equipment to successful Offeror for a full refund of any and all moneys paid for the equipment.

- 33. CANCELLATION FOR UNAPPROPRIATED FUNDS:** The obligation of the City for payment to a Contractor is limited to the availability of funds appropriated in the current fiscal period, and continuation of the Contract into a subsequent fiscal period is subject to appropriation of funds, unless otherwise authorized by law.
- 34. PRESENCE OF ASBESTOS MATERIALS:** If in the course of Work, the Contractor encounters any existing materials which she/he suspects contain asbestos, the Contractor will stop Work in that area immediately and notify the City.
- 35. INTENT:** It is the intent of the Bid Documents to describe a functionally complete project in accordance with the plans and specifications. Any Work, materials, or equipment that may

reasonably be inferred from the Bid Documents as being required to produce the intended result will be supplied whether or not specifically called for. When words which have a well-known technical or trade meaning are used to describe Work, materials or equipment, such words shall be interpreted in accordance with that meaning. Reference to standard specifications, manuals or codes of any technical society, organization or association, or to the laws or regulations of any governmental authority, whether such reference be specific or by implication, shall mean the latest standard specification, manual, code, laws, or regulations in effect at the time of contract award, except as may be otherwise specifically stated. However, no provision of any referenced standard specification, manual or code (whether or not specifically incorporated by reference in the Bid Documents) shall be effective to change the duties and responsibilities of City, Contractor, or any of their consultants, agents or employees from those set forth in the Bid Documents.

36. CONFLICT, ERROR OR DISCREPANCY: If, during the performance of the Work, Contractor finds a conflict, error or discrepancy in the Bid Documents, Contractor shall so report to City or City's Representative in writing at once, and shall obtain a written interpretation or clarification from City or City's Representative before proceeding with the Work affected thereby.

37. AMENDING AND SUPPLEMENTING BID DOCUMENTS: The Bid Documents may be amended, upon approval by the City, 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:

1. Change Order,
2. Formal Written Amendment, or
3. Work Change Directive.

38. REPRESENTATION OF CONTRACTOR: Execution of the Contract or acceptance of a purchase order by the Contractor is a representation that Contractor has visited the site and become familiar with the local conditions under which the Work is to be performed.

39. BEFORE COMMENCING OPERATIONS: Before undertaking each part of the Work, Contractor shall carefully study and compare the Bid Documents and check and verify pertinent figures shown thereon. Contractor shall promptly report in writing to City or City's Representative any conflict, error or discrepancy which Contractor may discover and shall obtain a written interpretation or clarification from City or City's Representative before proceeding with any Work affected thereby.

40. CONTRACTOR SERVICES AND RESPONSIBILITIES:

40.1 The Contractor shall assist the City or City's Representative in filing documents required to obtain necessary approvals of governmental authorities having jurisdiction over the project.

40.2 **Materials:** Unless otherwise specified herein, Contractor shall furnish, pay for and assume full responsibility for all materials, equipment, transportation, machinery, tools, appliances, water, heat, utilities and all other facilities and services necessary for the furnishing, performance, testing, start-up and proper completion of the Work.

Contractor warrants that all materials and equipment shall be of good quality and new, unless otherwise provided in the Bid Documents and that the Work will be free from defects whether patent or latent in nature. All materials and equipment shall be applied, installed, connected, erected, used, cleaned, and conditioned in accordance with the instructions of the applicable supplier except as otherwise provided in the Bid Documents.

40.3 The Contractor shall be responsible for and shall coordinate all construction means, methods, techniques, sequences, and procedures.

40.4 The Contractor shall keep the City and City's Representative (if applicable) informed of the progress and quality of the Work.

40.5 If requested in writing by the City, the Contractor, with reasonable promptness and in accordance with time limits agreed upon, shall interpret the requirements of the Bid Documents and shall decide, subject to determination by the Architect or Engineer (if applicable), subject to demand for arbitration, claims, disputes and other matters in question relating to performance thereunder by both City and Contractor. Such interpretations and decisions shall be in writing, shall not be presumed to be correct, and shall be given such weight as the arbitrator(s) or the court shall determine.

40.6 The Contractor shall correct Work which does not conform to the Bid Documents.

40.7 Contractor shall comply with and give all notices required by laws, ordinances, rules, regulations and lawful orders of public authorities applicable to the performance of the Work. City shall not be responsible for monitoring Contractor's compliance with any laws and regulations. Contractor shall promptly notify City if the Bid Documents are observed by Contractor to be at variance therewith.

40.8 The Contractor shall pay royalties and license fees. The Contractor shall defend suits or claims for infringement of patent rights and shall hold the City harmless from loss on account thereof, except that the City shall be responsible for such loss when a particular design, process or product of a particular manufacturer is required by the City. However, if the Contractor has reason to believe the use of a required design process or product is an infringement of a patent, the Contractor shall be responsible for such loss unless such information is promptly given to the City.

40.9 The Contractor shall be responsible to the City for acts and omissions of the Contractor's employees and parties in privity of Contract with the Contractor to perform a portion of the Work, including their agents and employees.

40.10 The Contractor shall keep the premises free from accumulation of waste materials or rubbish caused by the Contractor's operation. At the completion of the Work, the Contractor shall remove from the project site the Contractor's tools, construction equipment, machinery, surplus materials, waste materials, and rubbish.

40.11 The Contractor shall prepare Change Orders for the City or City Representative's approval and execution in accordance with this Agreement and shall have authority to make minor changes in the design and construction consistent with the intent of this Agreement not involving an adjustment in the contract sum or an extension of the contract time. The Contractor shall promptly inform the City or City's Representative in writing, of minor changes in the design and construction.

40.12 The Contractor shall notify the City or City's Representative when the Work or an agreed upon portion thereof is substantially completed by issuing a Certificate of Substantial Completion which shall establish the Date of Substantial Completion; shall state the responsibility of each party for security, maintenance, heat, utilities, damage to the Work and insurance; shall include a list of items to be completed or corrected; and shall fix the time within which the Contractor shall complete items listed therein.

40.13 Contractor shall supervise and direct the Work competently and efficiently, devoting such attention thereto and applying Contractor's best skill, attention and expertise. Contractor shall be solely responsible for and have control over the means, methods, techniques, sequences and procedures of construction. Contractor shall be responsible to see that the finished Work complies accurately with the Bid Documents.

40.14 Contractor shall be fully responsible to City for all acts and omissions of the Contractor's employees, subcontractors, suppliers and other persons directly or indirectly employed by his subcontractors, suppliers and of persons for whose acts any of them may be liable and any other persons and organizations performing or furnishing of the Work under a direct or indirect Contract with Contractor. Nothing in the Bid Documents shall create any Contractual relationship between City and any such subcontractor, supplier or other person or organization, nor shall it create any obligation on the part of City to pay or to see to the payment of any moneys due any such subcontractor, supplier or other person or organization except as may otherwise be required by laws and regulations.

All Work performed for Contractor by a subcontractor will be pursuant to an appropriate agreement between Contractor and the subcontractor which specifically binds the subcontractor to the applicable terms and conditions of the Bid Documents for the benefit of City.

40.15 Contractor shall obtain and pay for all permits and licenses. Contractor shall pay all governmental charges and inspection fees necessary.

40.16 Within seven (7) calendar days after execution of the Contract and in any event prior to the commencement of any Work hereunder, Contractor shall furnish, in writing to City, the names of persons or entities (including those who are to furnish materials or equipment fabricated to a special design) proposed for each principal portion of the Work. City shall advise Contractor, in writing, of any proposed person or entity to which City has a reasonable objection. Failure of City to reply promptly shall constitute notice of no reasonable objection. Contractor shall not contract with a proposed person or entity to whom City has made a reasonable and timely objection. If City has reasonable objection to a person or entity proposed by Contractor, Contractor shall propose another to whom City has no reasonable objection. Contractor shall not change a subcontractor, person or entity previously selected if City makes reasonable objection to such change.

40.17 Contractor shall be fully responsible to City for all acts and omissions of the Contractor's employees, subcontractors, suppliers and other persons directly or indirectly employed by his subcontractors, suppliers and of persons for whose acts any of them may be liable and any other persons and organizations performing or furnishing of the Work under a direct or indirect contract with Contractor. Nothing in the Contract Documents shall create any contractual relationship between City and any such subcontractor, supplier or other person or organization, nor shall it create any obligation on the part of City to pay or to see to the payment of any moneys due any such subcontractor, supplier or other person or organization except as may otherwise be required by laws and regulations.

40.18 All Work performed for Contractor by a subcontractor will be pursuant to an appropriate agreement between Contractor and the subcontractor which specifically binds the subcontractor to the applicable terms and conditions of the Contract Documents for the benefit of City.

- 41. RISK OF LOSS; TITLE:** The risk of loss, injury, or destruction shall be on Contractor until acceptance of the Work by City. Title to the Work shall pass to City upon acceptance of the Work by City.
- 42. USE OF PREMISES:** Contractor shall confine equipment, the storage of materials and equipment and the operations of Workers to the project site and areas identified in and permitted by the Bid Documents and shall not unreasonably encumber the premises with equipment or other materials. Contractor shall assume full responsibility for any damage to any such land or area, or to the City or occupant thereof or of any land or areas contiguous thereto, resulting from the performance of the Work. Should any claim be made against City by any such occupant because of the performance of the Work, Contractor shall promptly attempt to settle with such other party by agreement or

otherwise resolve the claim. The general indemnification provided elsewhere in this document specifically applies to claims arising out of Contractor's use of the premises.

During the progress of the Work, Contractor shall keep the premises free from accumulation of waste materials, rubbish, and other debris resulting from the Work. At the completion of the Work, Contractor shall remove all waste materials, rubbish and debris from and about the premises, as well as all tools, appliances, equipment and machinery, and surplus materials, and shall leave the site clean and ready for occupancy by City. Contractor shall restore to original condition all property not designated for alteration by the Bid Documents.

Contractor shall not load nor permit any part of any structure to be loaded in any manner that will endanger the structure, nor shall Contractor subject any part of the Work or adjacent property to stresses or pressures that will endanger it.

- 43. ACCESS TO WORK:** Contractor shall provide City, City's consultants, representatives and personnel, independent testing laboratories and governmental agencies with jurisdictional interests with access to the Work at reasonable times for their observation, inspection and testing. Contractor shall provide them proper and safe conditions for such access and advise them of Contractor's site safety procedures and programs so that they may comply therewith.
- 44. INDEMNIFICATION:** To the extent permitted by Florida law, Contractor agrees to indemnify, defend, save, and hold harmless the City of Margate, its officers and employees, from or on account of all damages, losses, liabilities, including but not limited to reasonable attorneys' fees, and costs to the extent caused by the negligence, recklessness or intentional wrongful misconduct of the Contractor and persons employed or utilized by the Contractor in the performance of this Agreement. Nothing contained in the foregoing indemnification shall be construed to be a waiver of any immunity or limitation of liability the City may have under the doctrine of sovereign immunity or Section 768.28, Florida Statutes.
- 45. SURVIVAL OF OBLIGATIONS:** All representations, indemnifications, warranties and guarantees made in, required by, or given in accordance with this Agreement, as well as all continuing obligations indicated in the Bid Documents, shall survive final payment, completion and acceptance of the Work and termination or completion of the Agreement.
- 46. CORRECTION AND REMOVAL OF DEFECTIVE WORK:** If required by City or City's Representative, Contractor shall promptly, as directed, either correct all defective Work, whether or not fabricated, installed or completed, or, if the Work has been rejected by City or City's Representative, remove it from the site and replace it with non-defective Work. Contractor shall bear all direct, indirect and consequential costs of such correction or removal (including but not limited to fees and charges of architects, attorneys and other professionals) made necessary thereby.
- 47. PAYMENT TO CONTRACTOR:** Providing all Work has been completed and accepted by the City within thirty (30) days of the City's receipt of a properly submitted and correct Application for Payment or Final Invoice, the City shall make payment to the Contractor.

The Contractor warrants that: (1) title to Work, materials and equipment covered by an Application for Payment or Final Invoice will pass to the City either by incorporation in construction or upon receipt of payment by the Contractor, whichever occurs first; (2) Work, materials and equipment are free and clear of liens, claims, security interests or encumbrances, hereinafter referred to as "liens"; and (3) no Work, materials or equipment will have been acquired by the Contractor, or any other person performing Work at the site or furnishing materials or equipment for the project, subject to an agreement under which an interest therein or an encumbrance thereon is retained by the seller or otherwise imposed by the Contractor or such other person.

48. PAYMENT TO SUBCONTRACTORS: The City shall have no obligation to pay or to be responsible in any way for payment to a subcontractor of the Contractor except as may otherwise be required by law.

49. CITY'S RIGHT TO WITHHOLD PAYMENT: The City may withhold in whole or in part, final payment or any progress payment to such extent as may be necessary to protect itself from loss on account of: defective Work not remedied, claims filed or reasonable evidence indicating the probable filing of claims by other parties against the Contractor, failure of the Contractor to make payments to subcontractors or suppliers for materials or labor, damage to another contractor not remedied, liability for liquidated damages has been incurred by the Contractor, reasonable evidence that the Work cannot be completed for the unpaid balance of the contract sum, reasonable evidence that the Work will not be completed within the contract time or failure to carry out the Work in accordance with the Bid Documents.

When the above conditions are removed or resolved or the Contractor provides a surety bond or a consent of surety satisfactory to the City which will protect the City in the amount withheld, payment may be made in whole or in part.

All invoices or requests for payments must indicate the Project Name and Project Number or the Purchase Order Number.

50. HURRICANE PRECAUTIONS: During such periods of times that are designated by the United States Weather Bureau as a hurricane warning or alert; all construction materials or equipment will be secured against displacement by wind forces; provided that where a full complement of personnel is employed or otherwise in attendance, or engaged for such purposes, formal construction procedures or use of materials or equipment may continue allowing such reasonable time as may be necessary to secure such materials or equipment before winds of hurricane force are anticipated. Construction materials and equipment will be secured by guying and shoring, or removing or tying down loose materials, equipment and construction sheds.

51. CHANGES IN THE WORK:

51.1 City, without invalidating an Agreement, may order additions, deletions, or revisions to the Work. Such additions, deletions or revisions shall be authorized by a Written Amendment, Change Order or Work Directive Change.

51.2 All Change Orders which, individually or when cumulatively added to amounts authorized pursuant to prior change orders for this project, increase the cost of the Work to City or which extend the time for completion, must be formally authorized and approved by the City's Commission prior to their issuance and before Work may begin.

Notwithstanding the above paragraph, Change Orders which individually or when cumulatively added to amounts authorized, pursuant to prior Change Orders for this project, increase the cost of the Work to the City not in excess of ten percent (10%) or \$50,000 (whichever is less) may be approved by signed approval of the City Manager of the City of Margate.

No claim against City for extra Work in furtherance of such change order shall be allowed unless prior approval has been obtained.

51.3 Any claim for adjustment in the Contract Price or time shall be based upon written notice delivered by the party making the claim to the other parties and to City or City's Representative not later than three (3) calendar days after the occurrence or event giving rise to the claims and stating the general nature of the claim. No claim for an adjustment in the Contract Price or an extension of the Contract Time will be valid if not submitted in accordance with this paragraph.

52. CONCEALED CONDITIONS: By execution of this agreement, Contractor has satisfied itself as to all conditions necessary to fulfill this contract. No contract adjustments shall be allowed for concealed conditions nor different site conditions than anticipated.

53. CORRECTION PERIOD:

53.1 Contractor warrants all material and Workmanship for a minimum of one (1) year from date of acceptance by the City. If within one (1) year after the date of final completion or such longer period of time as may be prescribed by laws or regulations or by the terms of any applicable special guarantee required by the Bid Documents, any Work is found to be defective, whether observed before or after acceptance by City, Contractor shall promptly, without cost to City and in accordance with City's written instructions, either correct such defective Work, or, if it has been rejected by City, remove it from the site and replace it with Work that is not defective and satisfactorily correct, remove, and replace any damage to other Work or the Work of others resulting therefrom. If Contractor does not promptly comply with the terms of such instructions, or in an emergency where delay would cause serious risk of loss or damage, City may have the defective Workmanship corrected or the rejected Work removed and replaced, and all direct, indirect and consequential costs of such removal and replacement (including but not limited to fees and charges of architects, engineers, attorneys and other professionals) will be paid by Contractor.

53.2 Where defective Work (and damage to other Work resulting therefrom) has been corrected, removed or replaced under this paragraph, the correction period hereunder with respect to such Work will be extended for an additional period of one (1) year after such correction or removal and replacement has been satisfactorily completed.

54. WORK BY CITY OR CITY'S CONTRACTORS:

54.1 The City reserves the right to perform Work related to, but not part of, the Project and to award separate contracts in connection with other Work at the site. If the Contractor claims that delay or additional cost is involved because of such action by the City, the Contractor shall make such claims to the City or City's Representative in writing.

54.2 The Contractor shall afford the City's separate contractors reasonable opportunity for introduction and storage of their materials and equipment for execution of their Work. The Contractor shall incorporate and coordinate the Contractor's Work with the Work of the City's separate contractors as required by the Bid Documents.

54.3 Costs caused by defective or ill-timed Work shall be borne by the party responsible.

55. CLAIMS FOR DAMAGES: Should either party to the Agreement suffer injury or damage to person or property because of an act or omission of the other party, the other party's employees or agents, or another for whose acts the other party is legally liable; claim shall be made in writing to the other party within a reasonable time after such injury or damage is or should have been first observed.

56. SUCCESSORS AND ASSIGNS: This Agreement shall be binding on successors, assigns, and legal representatives of and persons in privity of contract with the City or Contractor. Neither party shall assign, sublet or transfer an interest in this Agreement without the written consent of the other.

57. TERMINATION FOR CONVENIENCE OF CITY: Upon thirty (30) days written notice to Contractor, City may, without cause and without prejudice to any other right or remedy, terminate the agreement for City's convenience whenever City determines that such termination is in the best interests of City. Where the agreement is terminated for the convenience of City, the notice of termination to Contractor must state that the Contract is being terminated for the convenience of

City under the termination clause, the effective date of the termination, and the extent of termination. Upon receipt of the notice of termination for convenience, Contractor shall promptly discontinue all Work at the time and to the extent indicated on the notice of termination, terminate all outstanding subcontractors and purchase orders to the extent that they relate to the terminated portion of the Contract, and refrain from placing further orders and subcontracts. Contractor shall not be paid on account of loss of anticipated profits/revenues or other economic loss arising out of or resulting from such termination.

- 58. COST BREAKDOWN REQUIRED IN THE EVENT OF CHANGE ORDER:** Whenever the cost of any Work is to be determined, Contractor will submit in form acceptable to City or City's Representative, an itemized cost breakdown together with supporting data. Whenever a change in the Work is to be based upon mutual acceptance of a lump sum, whether the amount is an addition, credit, or no-change-in-cost, the Contractor shall submit an estimate substantiated by a complete itemized breakdown.
- 59. COMPUTATION OF TIME:** When any period of time is referred to in the Bid 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. A calendar day of twenty four (24) hours measured from midnight to the next midnight shall constitute a day.
- 60. CONTRACTOR INDEPENDENT:** Contractor and its employees, volunteers and agents shall be and remain an independent contractor and not agents or employees of City with respect to all of the acts and services performed by and under the terms of this Agreement. This Agreement shall not in any way be construed to create a partnership, association, or any other kind of joint undertaking or venture between the parties hereto.
- 61. RIGHT TO AUDIT:** City reserves the right to audit the records of Contractor relating in any way to the Work to be performed pursuant to this Agreement at any time during the performance and term of the Contract and for a period of three (3) years after completion and acceptance by City. If required by City, Contractor agrees to submit to an audit by an independent certified public accountant selected by City.
- Contractor shall allow City to inspect, examine, and review the records of Contractor, at any and all times during normal business hours during the term of the Contract.
- 62. VENUE AND GOVERNING LAW:** This Agreement shall have been deemed to have been executed within the State of Florida. The validity, construction, and effect of this Agreement shall be governed by the laws of the State of Florida. Any claim, objection or dispute arising out of this Agreement shall be litigated only in the courts of the Seventeenth Judicial Circuit in and for Broward County, Florida.
- 63. VALIDITY OF CONTRACT:** Should any part, term or provision of this Agreement be by the courts decided to be invalid, illegal, or in conflict with any law of the State, the validity of the remaining portion or provision shall not be affected thereby.
- 64. WAIVER OF JURY TRIAL:** THE PARTIES TO THIS AGREEMENT HEREBY KNOWINGLY, IRREVOCABLY, VOLUNTARILY AND INTENTIONALLY WAIVE ANY RIGHT EITHER MAY HAVE TO A TRIAL BY JURY IN RESPECT TO ANY ACTION, PROCEEDING, LAWSUIT OR COUNTERCLAIM BASED UPON THE CONTRACT, ARISING OUT OF, UNDER, OR IN CONNECTION WITH THE MATTERS TO BE ACCOMPLISHED IN THIS AGREEMENT, OR ANY COURSE OF CONDUCT, COURSE OF DEALING, STATEMENTS (WHETHER VERBAL OR WRITTEN) OR THE ACTIONS OR INACTIONS OF ANY PARTY.

- 65. OTHER GOVERNMENTAL AGENCIES:** If Contractor is awarded a contract as a result of this bid proposal, Contractor will, if it has sufficient capacity or quantity available, provide to other governmental agencies, so requesting, the product or services awarded in accordance with the terms and conditions of the bid proposal and resulting contract. Prices shall be FOB Delivered to the requesting agency.
- 66. DISPUTES:** NOTWITHSTANDING ANY OTHER PROVISIONS PROVIDED IN THIS AGREEMENT, ANY DISPUTE ARISING UNDER THIS AGREEMENT WHICH IS NOT DISPOSED OF BY AGREEMENT, SHALL BE DECIDED BY THE CITY MANAGER, WHO SHALL REDUCE HIS DECISION IN WRITING AND FURNISH A COPY THEREOF TO THE CONTRACTOR. THE DECISION OF THE CITY MANAGER AND THOSE PERSONS TO WHOM HE DELEGATES AUTHORITY TO DECIDE DISPUTES, SHALL BE FINAL AND CONCLUSIVE UNLESS DETERMINED BY A COURT OF COMPETENT JURISDICTION TO BE FRAUDULENT, CAPRICIOUS, ARBITRARILY, OR GROSSLY ERRONEOUS AS TO NECESSARILY IMPLY BAD FAITH, OR NOT SUPPORTED BY SUBSTANTIAL EVIDENCE.
- 67. SAMPLES:** Samples of items when requested must be supplied by the bidder free of charge to the City. Each sample must be marked with the bidder's name, manufacturer's brand name and delivered by the bidder within seven (7) calendar days of the request. The City will not be responsible for the return of samples.
- 68. TRAINING:** The successful bidder will be required (if requested) to conduct a training course on product bid for selected personnel at no extra cost to the City.
- 69. DELIVERY:** All items delivered shall be F.O.B. Destination to a specific City of Margate address and all delivery costs and charges must be included in the bid price.
- All exceptions must be noted. Prior to the delivery of goods or performance of services on City property, the City must be notified. Contractor's personnel and vehicles must be clearly identified with the business name and/or logo, also any applicable license numbers, according to State, County, and City ordinances. In addition, Contractor's employees shall be uniformly dressed, i.e., t-shirt with name and/or logo, caps, etc.**
- 70. MATERIAL ACCEPTANCE:** The materials received under this proposal will remain the property of the bidder until accepted to the satisfaction of the City of Margate. In the event the materials supplied to the City are found to be defective or do not conform to specifications, the City reserves the right to return the product to the bidder at the bidder's expense.
- 71. EMERGENCY RESPONSE LOCATIONS:** When delivering to emergency response locations (Fire Stations, Police, Utilities, etc.) where utilities, fire, police, and emergency repair vehicles are being dispatched, the successful bidder shall take all steps to ensure that free egress and ingress of emergency vehicles are allowed. No delivery trucks shall be left unattended. In the event that a vehicle is to be left unattended, City personnel must be notified and the driver must state where they will be at all times.
- 72. ASSIGNMENT:** The bidder shall not transfer or assign the performance required by this bid without the prior written consent of the City of Margate. Any awards issued pursuant to this bid invitation and monies which may become due hereunder are not assignable except with prior written approval of the City.
- 73. NON-COLLUSIVE STATEMENT:** By submitting this proposal, the Contractor affirms that this bid is without previous understanding, agreement, or connection with any person, business, or corporation submitting a proposal for the same materials, supplies, service, or equipment, and that this proposal is in all respects fair, and without collusion or fraud. (Refer to "Non-Collusive Affidavit" form attached.)

74. CONTRACT RENEWAL: The City of Margate hereby bids for a one (1) year contract for services or supplies (unless otherwise indicated in the bid specifications), and the contract shall have the option to renew for two (2) additional one (1) year extensions, providing both parties agree, providing all terms and conditions and specifications remain the same; providing for availability of funding.

75. SPECIAL CONDITIONS: Any and all Special Conditions that may vary from the General Conditions shall have precedence.

76. WORKING HOURS AND INSPECTIONS: The City of Margate's Working hours are Monday through Friday 8 AM – 6 PM. Working hours for Inspections are Monday through Thursday 7 AM – 5PM. Contractor must plan for, and schedule, inspections within the City's Inspection hours.

Contractor can perform Work Monday – Saturday from Dawn to Dusk. Work on Sunday is not permitted unless a special request is made to the City 48 hours in advance. All requests must be approved by the City Manager.

77. NO WAIVER: No waiver of any provision, covenant, or condition within this agreement or of the breach of any provision, covenant, or condition within this agreement shall be taken to constitute a waiver of any subsequent breach of such provision, covenant, or condition.

78. WAIVER: No waiver by either Party hereto of a breach of an obligation owed hereunder by the other shall be construed as a waiver of any other breach, whether of the same or of a different nature. No delay or failure on either Party's part to enforce any right or claim, which it may have hereunder, shall constitute a waiver on the respective Party's part of such right or claim. All rights and remedies arising under this Agreement as amended and modified from time to time are cumulative and not exclusive of any rights or remedies which may be available at law or otherwise.

79. ENTIRE AGREEMENT: This Agreement contains the entire agreement and understanding between the Parties with respect to the subject matter hereof, and there are no other promises; representations, or warranties affecting it.

80. CONTRACTOR DELIVERABLES:

80.1 Copy of a completed City of Margate permit application for all units.

80.2 Original warranties from Contractor (1 year including labor and materials) for each unit.

80.3 Manufacturer's standard warranty for each unit.

80.4 Approved Shop drawing/cut – sheets for all unit types (provide copies as part of the permit process).

80.5 Unit Operation and Maintenance Manuals – in Electronic Version (i.e. PDF).

80.6 Full turn-key operation for the replacement, proper disposal, and installation of new AC units, as specified.

81. NOTICE TO OWNER/NOTICE OF CONTRACTOR FORMS: All "Notice to Owner/Notice of Contractor" forms, for this bid, must be submitted to the following address:

**City of Margate
102 Rock Island Road
Margate, FL 33063
Attention: Glen Mammel**

82. REGULATIONS: All applicable laws and regulations of the Federal Government, State of Florida, Broward County, and Ordinances of the City of Margate will apply to any resulting award of contract.

83. PUBLIC RECORDS: The Contractor shall comply with Florida's Public Records Act, Chapter 119, Florida Statutes, and specifically agrees to:

- a. Keep and maintain public records required by the City of Margate to perform the service.
- b. Upon request from the City of Margate's custodian of public records, provide the City of Margate with a copy of the requested records or allow the records to be inspected or copied within a reasonable time at a cost that does not exceed the cost provided in this chapter or as otherwise provided by law.
- c. Ensure that public records that are exempt or confidential and exempt from public records disclosure requirements are not disclosed except as authorized by law for the duration of the Agreement term and following completion of the Agreement if the Contractor does not transfer the records to the City of Margate.
- d. Upon completion of the Agreement, transfer, at no cost, to the City of Margate all public records in possession of the Contractor or keep and maintain public records required by the City of Margate to perform the service. If the Contractor transfers all public records to the City of Margate upon completion of the Agreement, 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 Agreement, the Contractor shall meet all applicable requirements for retaining public records. All records stored electronically must be provided to the City of Margate, upon request from the City of Margate's custodian of public records, in a format that is compatible with the information technology systems of the City of Margate.
- e. **IF THE CONTRACTOR HAS QUESTIONS REGARDING THE APPLICATION OF CHAPTER 119, FLORIDA STATUTES, TO THE CONTRACTOR'S DUTY TO PROVIDE PUBLIC RECORDS RELATING TO THIS CONTRACT, CONTACT THE CUSTODIAN OF PUBLIC RECORDS AT:**

Telephone number:

(954) 972-6454

E-mail address: recordsmanagement@margatefl.com

Mailing address:

5790 Margate Boulevard

Margate, FL 33063

84. SCRUTINIZED COMPANIES: In accordance with s. 287.135, Florida Statutes, as amended, a company is ineligible to, and may not bid on, submit a proposal for, or enter into or renew a contract with an agency or local governmental entity for goods or services if:

- a. Any amount of, at the time of bidding on, submitting a proposal for, or entering into or renewing such contract, the company is on the Scrutinized Companies that Boycott Israel List, created pursuant to s. 215.4725, Florida Statutes, or is engaged in a boycott of Israel; or
- b. One million dollars or more, if, at the time of bidding on, submitting a proposal for, or entering into or renewing such contract, the company:

- i. Is on the Scrutinized Companies with Activities in Sudan List or the Scrutinized Companies with Activities in the Iran Petroleum Energy Sector List, created pursuant to s. 215.473, Florida Statutes; or
- ii. Is engaged in business operations in Cuba and Syria.
- c. By submitting a bid, proposal or response, the company, principals or owners certify that they are not listed on the Scrutinized Companies that Boycott Israel List, Scrutinized Companies with Activities in Sudan List, Scrutinized Companies with Activities in the Iran Petroleum Energy Sector List, or is engaged in business operations in Syria.
- d. The City shall reserve the right to terminate any contract resulting from this solicitation if the awarded Contractor is found to have been placed on the Scrutinized Companies that Boycott Israel List or is engaged in a boycott of Israel.

85. NO WAIVER OF SOVEREIGN IMMUNITY: Nothing contained herein is intended to service as a waiver of sovereign immunity by the City or as a waiver of limits of liability of rights existing under Section 768.28, Florida Statutes.

86. E-VERIFY

1) Definitions:

"Contractor" means a person or entity that has entered or is attempting to enter into a contract with a public employer to provide labor, supplies, or services to such employer in exchange for salary, wages, or other remuneration.

"Subcontractor" means a person or entity that provides labor, supplies, or services to or for a contractor or another subcontractor in exchange for salary, wages, or other remuneration.

2) Effective January 1, 2021, public and private employers, contractors and subcontractors will begin required registration with, and use of the E-verify system in order to verify the work authorization status of all newly hired employees. Vendor/Consultant/Contractor acknowledges and agrees to utilize the U.S. Department of Homeland Security's E-Verify System to verify the employment eligibility of:

- a) All persons employed by Vendor/Consultant/Contractor to perform employment duties within Florida during the term of the contract; and
- b) All persons (including subvendors/subconsultants/subcontractors) assigned by Vendor/Consultant/Contractor to perform work pursuant to the contract with the Department. The Vendor/Consultant/Contractor acknowledges and agrees that use of the U.S. Department of Homeland Security's E-Verify System during the term of the contract is a condition of the contract with the City of Margate; and
- c) *By entering into this Contract, the Contractor becomes obligated to comply with the provisions of Section 448.095, Fla. Stat., "Employment Eligibility," as amended from time to time. This includes but is not limited to utilization of the E-Verify System to verify the work authorization status of all newly hired employees, and requiring all subcontractors to provide an affidavit attesting that the subcontractor does not employ, contract with, or subcontract with, an unauthorized alien. The contractor shall maintain a copy of such affidavit for the duration of the contract. Failure to comply will lead to termination of this Contract, or if a subcontractor knowingly violates the statute, the subcontract must be terminated immediately. Any challenge to termination under this provision must be filed in the Circuit Court no later than 20 calendar days after the date of termination. If this contract is terminated for a violation of the statute by the Contractor, the Contractor may not be awarded a public contract for a period of 1 year after the date of termination and shall be liable for any additional costs incurred by the City as a result of the termination.*

SPECIAL CONDITIONS

BID NO. 2022-007 FURNISH AND INSTALL (8) HVAC SYSTEMS

The City of Margate will accept sealed proposals to provide all materials, labor, required drawings and engineering details, equipment, tools, transportation, and permits, from qualified firms for a completed project to Furnish and Install eight (8) HVAC Systems.

Locations:	Unit #1:	Finance Department City Hall 5790 Margate Blvd., Margate, FL 33063
	Unit #2:	Commission Chambers City Hall 5790 Margate Blvd., Margate, FL 33063
	Unit #3:	Information Technology Department City Hall 5790 Margate Blvd., Margate, FL 33063
	Unit #4:	Northwest Focal Point Senior Center 6009 NW 10 th Street Margate, FL 33063
	Unit #5:	Fire Station #98 5395 NW 24 th Street Margate, FL 33063
	Unit #6:	Calypso Cove Training Room 6200 Royal Palm Blvd., Margate, FL 33063
	Unit #7:	Calypso Cove Concession Room 6200 Royal Palm Blvd., Margate, FL 33063
	Unit #8:	Calypso Cove Administration Office 6200 Royal Palm Blvd., Margate, FL 33063

Refer to Technical Specifications of the bid packet

All work to comply with the current addition of the Florida Building Code.

Scope of Work:

It is the responsibility of each Proposer before submitting a bid to visit the site to become familiar with the local conditions that may affect equipment requirements, cost, progress, or performance of Work and to consider federal, state, and local laws and regulations that may affect cost, progress, or performance of Work.

Work shall be completed during normal business hours, Monday thru Friday, 7:00 A.M. to 6:00 P.M.

Note: Hours may be flexible at the Director's discretion or approval.

A minimum of three (3) years HVAC contractor's experience in the field of HVAC systems installation is required. Contractor shall meet required qualifications of Florida State Chapter 489 to perform the entire scope of work and submit proof thereof.

Contractor's personnel and vehicles must be clearly identified with the Business name and/or logo and applicable license numbers, according to State, County, and City ordinances. In addition, Contractor's employees shall be uniformly dressed i.e., t-shirt with name and/or logo, caps, etc.

Contractor shall be responsible for initiating, maintaining, and supervising all safety precautions and programs in connection with the work as needed.

Contractor must provide all warranty information for equipment and installation, to the City prior to receiving final inspection.

City permit fees shall be included in your bid proposal.

Additional Requirements:

The Contractor is required to include the cost (into the proposal pricing) of any heavy equipment, cranes, fork lifts, or other equipment, materials or tools necessary to ensure a complete and satisfactory job as intended by these documents.

If any portion of the work may impact the normal operations of the City or could hinder services being provided to the community, the Contractor shall bring this to the attention of the City's Task Representative prior to commencement of work.

Contractor shall provide a written one year warranty including parts and labor from the date of final completion and approved final inspection for each unit installed. The warranty document shall clearly identify each model and unit serial number as well as the date of final completion (not delivery to the site).

Contractor shall provide manufacturer's limited warranty for each unit.

If during the execution of the work by the Contractor, any damage to City owed property occurs, the Contractor shall remedy immediately as required by the City at the Contractor's sole expense.

Contractor shall conform with Centers for Disease Control recommendations, as well as City of Margate requirements, with regard to the spread of COVID-19 while on City premises and facilities.

Contractor responsible to provide any and all drawing/engineering as required by the Building Department.

All questions regarding this bid shall be directed in writing to Ms. Nirmala Samlal, Buyer I, at purchase@margatefl.com

Refer to Technical Specifications of the bid packet.

BID PROPOSAL FORM BID NO. 2022-007

**BID TO: CITY COMMISSION
 CITY OF MARGATE**

1. The undersigned bidder proposes and agrees, if this bid is accepted, to enter into an Agreement with the City in the form included in the Contract Documents to perform the Work as specified or indicated in said Contract Documents entitled:

**FURNISH AND INSTALL (8) HVAC SYSTEMS
BID NO. 2022-007**

2. Bidder accepts all of the terms and conditions of the Contract Documents, including without limitation those in the Notice Inviting Bids and Instructions to Bidders, dealing with the disposition of the Bid Security.

3. The bid will remain open for the period stated in the Notice Inviting Bids unless otherwise required by law. Bidder will enter into an Agreement within the time and in the manner required in the Notice Inviting Bids and the Instructions to Bidders, and will furnish the insurance certificates, payment bond, and performance bond required by the Contract Documents.

4. It is the Contractor's responsibility to contact the City at (954) 935-5346 prior to the bid opening to determine if any addenda have been issued on the project. Bidder has examined copies of all the Contract Documents including the following addenda (receipt of all of which is acknowledged):

Number 2022-007 Date 08-03-2022

5. Bidder has familiarized himself with the nature and extent of the Contract Documents, Work, site, locality where the Work is to be performed, the legal requirements (federal, state and local laws, ordinances, rules and regulations), and the conditions affecting cost, progress or performance of the Work and has made such independent investigations as Bidder deems necessary.

6. This bid is genuine and not made in the interest of or on behalf of any undisclosed person, firm, or corporation and is not submitted in conformity with any agreement or rules of any group, association, organization, or corporation. Bidder has not directly or indirectly induced or solicited any other bidder to submit a false or sham bid. Bidder has not solicited or induced any person, firm or corporation to refrain from bidding and bidder has not sought by collusion to obtain for itself any advantage over any other bidder or over the City.

To all the foregoing, and including all Bid Schedule(s) and Information Required of Bidder contained in this Bid Form, said bidder further agrees to complete the Work required under the Contract Documents within the Contract Time stipulated in said Contract Documents, and to accept in full payment thereof the Contract Price based on the Total Bid Price(s) named in the aforementioned Bidding Schedule(s).

NAME OF FIRM: CLIMATE TEMP INC

ADDRESS: 1915 BANKS ROAD MARGATE FL 33063

NAME OF SIGNER STEVE LALCHAN
(Print or Type)

TITLE OF SIGNER PRESIDENT

SIGNATURE:  DATE: 08/03/22

TELEPHONE NO: 954-749-2108 FACSIMILE NO: 954-531-1116



CLIMATE TEMP, INC.

PHONE: (954) 749-2108
FAX: (954) 698-9941

7340 NW 51 TERRACE
COCONUT CREEK, FL 33073

August 2nd, 2022


City of Margate
Bid # 2022-007

RE: Calypso Cove – Concession room -.unit # 7:

Please note that the air handler unit for the concession room is located above an acoustical ceiling estimated at 18 feet from the floor. Due to the height of this air handler unit a 19 feet electrical scissor lift is required for this scope of work and the cost is included in the bid package.

This letter serves as an explanation for the cost of this unit replacement.

Thanks,


Steve Lalchan
President

SCHEDULE OF BID PRICES – BID NO. 2022-007

TO: CITY COMMISSION

CITY OF MARGATE

(Please fill in all blanks and return with your proposal.)

In accordance with your request for proposals and the specifications contained herein, the undersigned proposes the following:

BIDDER AGREES TO PERFORM ALL THE WORK DESCRIBED IN THE CONTRACT DOCUMENTS FOR THE FOLLOWING UNIT PRICES OR LUMP SUMS. BIDS SHALL INCLUDE SALES TAX AND ALL OTHER APPLICABLE TAXES AND BIDDER UNDERSTANDS THAT THE EXTENDED TOTAL FOR EACH AND EVERY ITEM IS THE RESULT OF MULTIPLYING THE QUANTITY TIMES THE UNIT COST STATED IN FIGURES. ANY DISCREPANCY BETWEEN THE UNIT AND TOTAL, THE UNIT PREVAILS.

DESCRIPTION

TOTAL COST

UNIT #1:

Furnish/Install (1) New 7.5-ton Carrier package AC unit with new curb adapter, Model #50TC-M08A2B6 460/480/3/60, 11.2 EER Provide two-position motorized outside air damper and 10 kW electric heat at Finance Dept., City Hall, 5790 Margate Blvd., Margate, FL 33063 As per Technical Specifications and Special Conditions.

\$ 16,280.00

UNIT #2:

Furnish/Install (1) New 6-ton Carrier split type AC unit, Condenser Model #38AUZD07A0B6 460/3/60 Air handler Model #40RM007 460/480/3/60 with a 10 kW electric heat. Verify motorized outside air damper is existing, if not, include cost for motorized outside air damper and all accessories to meet Building Code requirements at Commission Chambers, City Hall 5790 Margate Blvd., Margate FL 33063 As per Technical Specifications and Special Conditions.

\$ 13,440.00

UNIT #3:

Furnish/Install (1) New 3-ton Carrier
16 SEER split type AC unit,
Condenser Model #24ABC636A003A
208/230/1/60
Air handler Model #FX4DNF037L00
No heat and outside air required at
Information Technology Dept., Server
Room, City Hall,
5790 Margate Blvd., Margate, FL 33063
As per Technical Specifications and
Special Conditions.

\$ 5,830.00

UNIT #4:

Furnish/Install (1) New 10-ton Carrier
package AC unit with new curb adapter,
Model #50TC-M12A2B5
208/230/3/60, 11.2 EER
Provide one two-position motorized outside
air damper and 10 kW electric heat at
Northwest Focal Point Senior Center
6009 NW 10th Street, Margate, FL 33063
As per Technical Specifications and
Special Conditions.

\$ 19,170.00

UNIT #5:

Furnish/Install (1) New 3-ton Carrier
package AC unit with new curb adapter,
Model #50FCA04A2B5
208/230/3/60, 14.0 SEER
Provide one two-position motorized outside
air damper and 10 kW electric heat at
Fire Station #98
5395 NW 24th Street, Margate, FL 33063
As per Technical Specifications and
Special Conditions.

\$ 9,440.00

UNIT #6:

Furnish/Install (1) New 4-ton Carrier
split type AC unit, 16 SEER
Condenser Model #24ABC648A003A
208/230/1/60
Air handler Model #FX4DNF049L00
with a 7.5 kW electric heat and verify outside
air to the unit, 208/230/1/60 at
Calypso Cove, Training Room,
6200 Royal Palm Blvd., Margate, FL 33063
As per Technical Specifications and
Special Conditions.

\$ 7,490.00

UNIT #7:

Furnish/Install (1) New 2-ton Carrier
split type AC unit, 16 SEER
Condenser Model #24ABC624A003A
208/230/1/60
Air handler Model #FX4DNF030L00
No heat and outside air required at
Calypso Cove, Concession Room,
6200 Royal Palm Blvd., Margate, FL 33063
As per Technical Specifications and
Special Conditions.

\$ 7,580.00

UNIT #8:

Furnish/Install (1) New 5-ton Carrier
split type AC unit, 16 SEER
Condenser Model #24ABC660A003A
208/230/1/60
Air handler Model #FX4DNF060L00
with a 10.0 kW electric heat and verify outside
air to the unit, 208/230/1/60 at
Calypso Cove, Administration Office,
6200 Royal Palm Blvd., Margate, FL 33063
As per Technical Specifications and
Special Conditions.

\$ 8,460.00

Obtaining City of Margate permits for all
Work (includes all associated fees and
Related service charges).

\$ 1600.00

Contingency*

(*Represents possible cost for unforeseen
Work, if approved by City).

\$ 5,000.00

GRAND TOTAL:

\$ 94,290.00

ALL BIDS MUST BE SIGNED WITH THE VENDOR NAME AND BY AN OFFICER OR EMPLOYEE
HAVING THE AUTHORITY TO BIND THE COMPANY OR FIRM BY SIGNATURE.

SAFETY DATA SHEETS ENCLOSED? YES _____ NO X

SPECIFICATION SHEETS/BROCHURES? YES X NO _____

HAVE YOUR INSURANCE REPRESENTATIVE REVIEW THE SAMPLE INSURANCE
CERTIFICATE TO ENSURE COMPLIANCE.

WILL YOUR FIRM ACCEPT PAYMENT VIA A CITY OF MARGATE
VISA CREDIT CARD? PLEASE CHECK ONE YES _____ NO X

BIDDER'S GENERAL INFORMATION: BID NO. 2022-007

The bidder shall furnish the following information. Additional sheets shall be attached as required. Failure to complete Item Nos. 1, 3, and 7 (if required) will cause the bid to be non-responsive and may cause its rejection. In any event, no award will be made until all of the Bidder's General Information (i.e., items 1 through 7 inclusive) is delivered to the City.

- (1) CONTRACTOR'S name and address:

STEVE LALCHAN
7340 NW 51ST TER, COCONUT CREEK, FL 33073

- (2) CONTRACTOR'S telephone number: 954-410-6139

- (3) CONTRACTOR'S license: Primary classification: A

State License Number: CAC057014

Supplemental classifications held, if any: _____

Name of Licensee, if different from (1) above: _____

- (4) Name of person who inspected site of proposed Work for your firm:

Name: STEVE LALCHAN Date of Inspection: 07-28-22

- (5) Name, address, and telephone number of Surety Company and agent who will provide the required bonds on this contract (if required): _____

- (6) ATTACH TO THIS BID the experience resume of the person who will be designated as Supervisor for this project.

- (7) ATTACH TO THIS BID, a financial statement (**If Required**), references, and other information, sufficiently comprehensive to permit an appraisal of CONTRACTOR'S current financial condition.

- (8) Subcontractors: The Bidder further proposes that as part of their submittal there is attached a list of subcontracting firms or businesses who will be awarded subcontracts for portions of the work in the event the bidder is awarded the Contract.

BID BOND

KNOW ALL MEN BY THESE PRESENTS:

That we _____ as Principal, and _____ as Surety, are held and firmly bound unto City of Margate, hereinafter called "City" in the sum of (\$ _____) dollars, (not less than 5 percent of the total amount of the bid) for the payment of which sum, well and truly to be made, we bind ourselves, our heirs, executors, administrators, successors, and assigns, jointly and severally, firmly by these presents.

WHEREAS, said Principal has submitted a bid to said City to perform the Work required under the bidding schedule of the City's Contract Documents entitled:

BID NO. 2022-007 FURNISH AND INSTALL (8) HVAC SYSTEMS

NOW THEREFORE, if said Principal is awarded a contract by said City and, within the time and in the manner required in the "Notice Inviting Bids" and the "Instructions to Bidders" enters into a written Agreement on the form of the agreement bound with said Contract Documents, furnishes the required certificates of insurance, and furnishes the required Performance Bond, then this obligation shall be null and void, otherwise it shall remain in full force and effect. In the event suit is brought upon this bond by said City and City prevails, said Surety shall pay all costs incurred by said City in such suit, including a reasonable attorney's fee to be fixed by the court.

SIGNED and SEALED, this _____ day of _____, 20__

(CONTRACTOR)

(SURETY)

By: _____
(SIGNATURE)

By: _____
(SIGNATURE)

STATE OF FLORIDA, COUNTY OF BROWARD:

BEFORE ME PERSONALLY APPEARED THE ABOVE, KNOWN TO ME TO BE THE PERSONS DESCRIBED IN AND WHO EXECUTED THE FOREGOING INSTRUMENT, AND ACKNOWLEDGED TO AND BEFORE ME BY MEANS OF ___ PHYSICAL PRESENCE OR ___ ONLINE NOTARIZATION THAT THEY EXECUTED SAID INSTRUMENT FOR THE PURPOSES THEREIN EXPRESSED.

WITNESS MY HAND AND OFFICIAL SEAL, THIS _____ DAY OF _____, 20__

NOTARY PUBLIC: _____

REFERENCE SHEET BID NO. 2022-007

In order to receive Bid Award consideration on the proposed bid, it is a requirement that this sheet be completed and returned with your bid/proposal. This information may be used in determining the bid award for this Project.

BIDDER (COMPANY NAME): CLIMATE TEMP INC

ADDRESS: 1915 BANKS ROAD, MARGATE, FL 33063

CONTACT PERSON: STEVE LALCHAN TITLE: PRESIDENT

TELEPHONE: 954-410-6139 FACSIMILE: 954-531-1116

NUMBER OF YEARS IN BUSINESS: 21

ADDRESS OF NEAREST FACILITY: _____

LIST THREE (3) COMPANIES OR GOVERNMENTAL AGENCIES WHERE THESE PRODUCTS OR SERVICES HAVE BEEN PROVIDED IN THE LAST YEAR.

1. COMPANY NAME: JM FAMILY ENTERPRISES
201 JIM MORAN BLVD
ADDRESS: DEERFIELD BEACH, FL 33442 PHONE: 954-276-4934
CONTACT PERSON: DANNY FLYNN TITLE: SPECIAL PROJECTS MGR
2. COMPANY NAME: WOOLBRIGHT DEVELOPMENT INC
3200 N. MILITARY TRAIL SUITE 400
ADDRESS: BOCARATON, FL 33431 PHONE: 561-302-0429
CONTACT PERSON: JIMMY FRYMAN TITLE: CONSTRUCTION MGR
3. COMPANY NAME: PAGE CONTRACTING LLC
6060 BRANCHWOOD DR
ADDRESS: LAKE WORTH, FL 33467 PHONE: 954-868-4561
CONTACT PERSON: STEVE PAGE TITLE: OWNER / PRESIDENT

**COMPLIANCE WITH OCCUPATIONAL SAFETY AND HEALTH ACT (O.S.H.A.)
BID NO. 2022-007**

Bidder certifies that all material, equipment, etc. contained in this bid meet all O.S.H.A. requirements. Bidder further certifies that if he/she is the successful bidder, and the material, equipment, etc., delivered is subsequently found to be deficient in any O.S.H.A. requirement in effect on date of delivery, all costs necessary to bring the material, equipment, etc. into compliance with the aforementioned requirements shall be borne by the bidder.

OCCUPATIONAL HEALTH AND SAFETY DATA SHEET REQUIRED:

In compliance with Chapter 442, Florida Statutes, any item delivered from a contract resulting from this bid must be accompanied by a SAFETY DATA SHEET (SDS). The SDS must include the following information:

- A. The chemical name and the common name of the toxic substance.
- B. The hazards or other risks in the use of the toxic substances, including:
 - 1. The potential for fire, explosion, corrosivity and reactivity;
 - 2. The known acute and chronic health effects of risks from exposure, including the medical conditions which are generally recognized as being aggravated by exposure to the toxic substance; and
 - 3. The primary routes of entry and symptoms of overexposure.
- C. The proper precautions, handling practices, necessary personal protective equipment, and other safety precautions in the use of or exposure to the toxic substances, including appropriate emergency treatment in case of overexposure.
- D. The emergency procedure for spills, fire, disposal, and first aid.
- E. A description in lay terms of the known specific potential health risks posed by the toxic substances intended to alert any person reading this information.
- F. The year and month, if available, that the information was compiled and the name, address and emergency telephone number of the manufacturer responsible for preparing the information.

SIGNATURE: _____

DATE: 08-03-22

**CITY OF MARGATE
STATEMENT OF NO BID**

IF YOU DO NOT INTEND TO BID ON THIS PROPOSAL, RETURN THIS FORM TO ADDRESS WHERE BID IS TO BE SUBMITTED:

I/We have declined to bid on your proposal No: **2022-007**

Bid Description: **FURNISH AND INSTALL (8) HVAC SYSTEMS**

For the following reason:

- ☐ 1. Specifications are too tight, i.e. geared toward one brand or manufacturer only (Explain reason below)
- ☐ 2. Insufficient time to respond to invitation.
- ☐ 3. We do not offer this commodity/service or equivalent.
- ☐ 4. Our product/service schedule would not permit us to perform.
- ☐ 5. Unable to meet specifications.
- ☐ 6. Unable to meet bonding requirements.
- ☐ 7. Specifications unclear (Explain below).
- ☐ 8. Other (Specify below).

REMARKS: _____

Attach additional pages if required.

I/We understand that if the NO BID form is not executed and returned, our name may be deleted from the list of qualified bidders for the City of Margate.

COMPANY NAME: _____

ADDRESS: _____

TELEPHONE NO: _____ DATE: _____

SIGNATURE OF BIDDER: _____

DRUG-FREE WORKPLACE PROGRAM FORM BID NO. 2022-007

In accordance with Section 287.087, State of Florida Statutes, preference shall be given to businesses with Drug-free Workplace Programs. Whenever two or more bids which are equal with respect to price, quality, and service are received for the procurement of commodities or contractual service, a bid received from a business that certifies that it has implemented a Drug-free Workplace Program shall be given preference in the award process. In the event that none of the tied vendors has a Drug-free Workplace program in effect, the City reserves the right to make final Decisions in the City's best interest. In order to have a Drug-free Workplace Program, a business shall:

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

AS THE PERSON AUTHORIZED TO SIGN THE STATEMENT, I CERTIFY THAT THIS FIRM COMPLIES FULLY WITH THE ABOVE REQUIREMENTS.

SIGNATURE OF BIDDER:



DATE: 08-03-22

OFFEROR'S QUALIFICATION STATEMENT BID NO. 2022-007

The undersigned certifies under oath the truth and correctness of all statements and of all answers to questions made hereinafter:

SUBMITTED TO: City of Margate
(Purchasing Division)

ADDRESS: 5790 Margate Blvd.
Margate, FL 33063

CIRCLE ONE: Corporation Partnership Individual Other

SUBMITTED BY: CLIMATE TEMP INC

NAME: STEVE LALCHAN

ADDRESS: 1915 BANKS ROAD, MARGATE, FL 33063

TELEPHONE NO.: 954-749-2108 | 954-410-6139

FACSIMILE NO.: 954-531-1116

1. State the true, exact, correct and complete name of the partnership, corporation, trade or fictitious name under which you do business and the address of the place of business. (Attach corporate documents from the State of Florida (sunbiz.org) to this statement.)

The correct name of the Offeror is: CLIMATE TEMP INC

The address of the principal place of business is:

1915 BANKS ROAD
MARGATE, FL 33063

2. If Offeror is a corporation, answer the following:

a. Date of Incorporation: OCT 08, 1999

b. State of Incorporation: FLORIDA

c. President's name: STEVE LALCHAN

d. Vice President's name: JAGWATIE LALCHAN

e. Secretary's name: DARIUS LALCHAN

f. Treasurer's name: STEVE LALCHAN

g. Name and address of Resident Agent: STEVE LALCHAN

7340 NW 51ST TERRACE

COCONUT CREEK, FL 33073

3. If Offeror is an individual or a partnership, answer the following:

a. Date of organization: _____

b. Name, address and ownership units of all partners:

c. State whether general or limited partnership: _____

4. If Offeror is other than an individual, corporation or partnership, describe the organization and give the name and address of principals:

5. If Offeror is operating under a fictitious name, submit evidence of compliance with the Florida Fictitious Name Statute.

6. How many years has your organization been in business under its present business name?

a. Under what other former names has your organization operated?

NONE

7. Indicate registration, license numbers or certificate numbers for the businesses or professions which are the subject of this Proposal. Please attach certificate of competency and/or state registration.

CONTRACTORS CLASS A, A/C
CAC057014

8. Have you ever failed to complete any work awarded to you? If so, state when, where and why?

NO

9. State the names, telephone numbers and last known addresses of three (3) owners, individuals or representatives of owners with the most knowledge of work which you have performed or goods you have provided, and to which you refer (government owners are preferred as references).

Jm Family Ent	201 JIM MORAN BLVD	
DANNY FLYNN	DEERFIELD BEACH, FL 33442	954-276-4934
(Name)	(Address)	(Phone Number)
Page Contracting	6060 BRANCHWOOD DR	
STEVE PAGE	LAKE WORTH, FL 33467	954-868-4561
(Name)	(Address)	(Phone Number)
Seawood Builders	1324 W. Newport Center Dr	
MIKE SPRUCE	Deerfield Beach, FL 33442	561-325-1024
(Name)	(Address)	(Phone Number)

10. List the pertinent experience of the key individuals of your organization (continue on insert sheet, if necessary).

STEVE LALCHAN	-	51 YRS
RAMJESS LALCHAN	-	44 YRS
DARIUS LALCHAN	-	22 YRS

11. State the name(s) of the individual(s) who will have personal supervision of the work:

STEVE LALCHAN

RANJESS LALCHAN

THE OFFEROR ACKNOWLEDGES AND UNDERSTANDS THAT THE INFORMATION CONTAINED IN RESPONSE TO THIS QUALIFICATION STATEMENT SHALL BE RELIED UPON BY OWNER IN AWARDING THE CONTRACT AND SUCH INFORMATION IS WARRANTED BY OFFEROR TO BE TRUE. THE DISCOVERY OF ANY OMISSION OR MISSTATEMENT THAT MATERIALLY AFFECTS THE OFFEROR'S QUALIFICATIONS TO PERFORM UNDER THE CONTRACT SHALL CAUSE THE OWNER TO REJECT THE PROPOSAL, AND IF AFTER THE AWARD TO CANCEL AND TERMINATE THE AWARD AND/OR CONTRACT.

Signature: _____

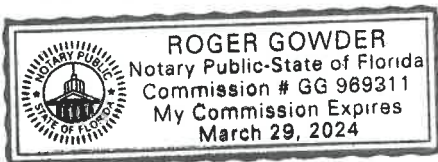
State of Florida

County of Broward

On this the 2nd day of August, 2022, before me by means of ☒ physical presence or _____ online notarization, the undersigned Notary Public of the State of Florida, personally appeared Steve Lalchan and
(Name(s) of individual(s) who appeared before notary)

whose name(s) is/are Subscribed to the within instrument, and he/she/they acknowledge that he/she/they executed it.

NOTARY PUBLIC
SEAL OF OFFICE:



NOTARY PUBLIC, STATE OF FLORIDA

Roger Gowder
(Name of Notary Public: Print, Stamp or Type as Commissioned.)

☒ Personally known to me, or
☐ Produced identification:

(Type of Identification Produced)
☐ DID take an oath, or ☐ DID NOT take an oath

NON-COLLUSIVE AFFIDAVIT FOR BID NO. 2022-007

State of FLORIDA)

County of BROWARD)

STEVE LALCHAN being first duly sworn, deposes and says that:

He/she is the PRESIDENT, (Owner, Partner, Officer, Representative or Agent) of CLIMATE TEMP INC, the Offeror that has submitted the attached Proposal;

He/she is fully informed regarding the preparation and contents of the attached Proposal and of all pertinent circumstances regarding such Proposal;

Such Proposal is genuine and is not a collusive or sham Proposal;

Neither the said Offeror nor any of its officers, partners, owners, agents, representatives, employees or parties in interest, including this affiant, have in any way colluded, conspired, connived or agreed, directly or indirectly, with any other Offeror, firm, or person to submit a collusive or sham Proposal in connection with the Work for which the attached Proposal has been submitted; or to refrain from bidding in connection with such Work; or have in any manner, directly or indirectly, sought by agreement or collusion, or communication, or conference with any Offeror, firm, or person to fix the price or prices in the attached Proposal or of any other Offeror, or to fix any overhead, profit, or cost elements of the Proposal price or the Proposal price of any other Offeror, or to secure through any collusion, conspiracy, connivance, or unlawful agreement any advantage against (Recipient), or any person interested in the proposed Work;


The price or prices quoted in the attached Proposal are fair and proper and are not tainted by any collusion, conspiracy, connivance, or unlawful agreement on the part of the Offeror or any other of its agents, representatives, owners, employees or parties in interest, including this affiant.

Signed, sealed, and delivered in the presence of:


Witness

Witness

By


STEVE LALCHAN

Printed Name

PRESIDENT

Title

ACKNOWLEDGMENT
NON-COLLUSIVE AFFIDAVIT FOR BID NO. 2022-007

State of Florida

County of BROWARD

On this the 2nd day of August, 2022, before me by means of ☒ physical presence or ☐ online notarization, the undersigned Notary Public of the State of Florida, personally appeared

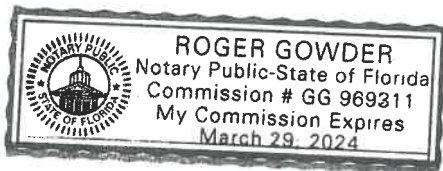
STEVE LALCHAN

(Name(s) of individual(s) who appeared before notary)

whose name(s) is/are Subscribed to within the instrument, and he/she/they acknowledge that he/she/they executed it.

WITNESS my hand
and official seal.

NOTARY PUBLIC
SEAL OF OFFICE:



Roger Gowder
NOTARY PUBLIC, STATE OF FLORIDA

Roger Gowder
(Name of Notary Public: Print,
Stamp, or Type as Commissioned)

☒ Personally known to me, or
☐ Produced identification

(Type of Identification Produced)

☐ DID take an oath, or ☐ DID NOT take an oath

SCRUTINIZED COMPANIES CERTIFICATION

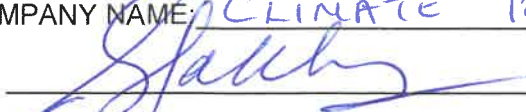
I hereby swear or affirm that as of the date below this company is not listed on a Scrutinized Companies list created pursuant to 215.4725, 215.473, or 287.135, Florida Statutes. Pursuant to 287.135, Florida Statutes I further affirm that:

1. This company is not participating in a boycott of Israel such that it is not refusing to deal, terminating business activities, or taking other actions to limit commercial relations with Israel, or persons or entities doing business in Israel or in Israeli-controlled territories, in a discriminatory manner.
2. This Company does not appear on the Scrutinized Companies with Activities in Sudan List where the State Board of Administration has established the following criteria:
 - a. Have a material business relationship with the government of Sudan or a government- created project involving oil related, mineral extraction, or power generation activities, or
 - b. Have a material business relationship involving the supply of military equipment, or
 - c. Impart minimal benefit to disadvantaged citizens that are typically located in the geographic periphery of Sudan, or
 - d. Have been complicit in the genocidal campaign in Darfur.
3. This Company does not appear on the Scrutinized Companies with Activities in the Iran Petroleum Energy Sector List where the State Board of Administration has established the following criteria:
 - a. Have a material business relationship with the government of Iran or a government- created project involving oil related or mineral extraction activities, or
 - b. Have made material investments with the effect of significantly enhancing Iran's petroleum sector.
4. This Company is not engaged in business operations in Cuba or Syria.

VENDOR/COMPANY NAME:

CLIMATE TEMP INC

SIGNATURE:



PRINTED NAME:

STEVE KALCHAN

TITLE:

PRESIDENT

DATE:

08-03-22

The scrutinized company list is maintained by the State Board of Administration and available at <http://www.sbafla.com/>

**CITY OF MARGATE
E-VERIFY FORM**

Project Name:	FURNISH & INSTALL(8) HVAC SYSTEMS
Project No.:	2022-007

ACKNOWLEDGEMENT
Definitions:

"Contractor" means a person or entity that has entered or is attempting to enter into a contract with a public employer to provide labor, supplies, or services to such employer in exchange for salary, wages, or other remuneration.

"Subcontractor" means a person or entity that provides labor, supplies, or services to or for a contractor or another subcontractor in exchange for salary, wages, or other remuneration.

Effective January 1, 2021, public and private employers, contractors and subcontractors will begin required registration with, and use of the E-verify system in order to verify the work authorization status of all newly hired employees. Vendor/Consultant/Contractor acknowledges and agrees to utilize the U.S. Department of Homeland Security's E-Verify System to verify the employment eligibility of:

- a) All persons employed by Vendor/Consultant/Contractor to perform employment duties within Florida during the term of the contract; and
- b) All persons (including subvendors/subconsultants/subcontractors) assigned by Vendor/Consultant/Contractor to perform work pursuant to the contract with the Department. The Vendor/Consultant/Contractor acknowledges and agrees that use of the U.S. Department of Homeland Security's E-Verify System during the term of the contract is a condition of the contract with the City of Margate; and
- c) Should vendor become successful Contractor awarded for the above-named project, by entering into this Contract, the Contractor becomes obligated to comply with the provisions of Section 448.095, Fla. Stat., "Employment Eligibility," as amended from time to time. This includes but is not limited to utilization of the E-Verify System to verify the work authorization status of all newly hired employees, and requiring all subcontractors to provide an affidavit attesting that the subcontractor does not employ, contract with, or subcontract with, an unauthorized alien. The contractor shall maintain a copy of such affidavit for the duration of the contract. Failure to comply will lead to termination of this Contract, or if a subcontractor knowingly violates the statute, the subcontract must be terminated immediately. Any challenge to termination under this provision must be filed in the Circuit Court no later than 20 calendar days after the date of termination. If this contract is terminated for a violation of the statute by the Contractor, the Contractor may not be awarded a public contract for a period of 1 year after the date of termination and shall be liable for any additional costs incurred by the City as a result of the termination.

COMPANY CONTACT INFORMATION

Company Name:	CLIMATE TEMP INC
Authorized Signature:	
Print Name:	STEVE LALCHAN
Title	PRESIDENT
Date:	08-03-22
Phone:	954-410-6139
Email:	climatetempinc@comcast.net
Website:	

ATTACHMENT A
SAMPLE INSURANCE



CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)
06/27/2022

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

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

PRODUCER RSC Insurance Brokerage, Inc. 5000 SW 75th Avenue Suite 202 Miami FL 33155		CONTACT NAME: Aileen Acosta PHONE (A/C, No, Ext): E-MAIL ADDRESS: aacosta@risk-strategies.com FAX (A/C, No):
INSURED Climate Temp, Inc. 1915 Banks Rd Suite B-8 Margate FL 33063		INSURER(S) AFFORDING COVERAGE INSURER A: Colony Insurance Company INSURER B: National Union Fire Insurance Co of Pittsburgh PA INSURER C: Bridgefield Employers Insurance Company INSURER D: INSURER E: INSURER F:

COVERAGES

CERTIFICATE NUMBER: 22/23 GL/UMB/WC

REVISION NUMBER:

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


INSR LTR	TYPE OF INSURANCE	ADDL SUBR INSD WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: <input checked="" type="checkbox"/> POLICY <input type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC OTHER:	Y	600GL019532501	03/01/2022	03/01/2023	EACH OCCURRENCE \$ 1,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 100,000 MED EXP (Any one person) \$ 5,000 PERSONAL & ADV INJURY \$ 1,000,000 GENERAL AGGREGATE \$ 2,000,000 PRODUCTS - COMP/OP AGG \$ 2,000,000 Employee Benefits Liab \$ 1,000,000
	<input type="checkbox"/> AUTOMOBILE LIABILITY <input type="checkbox"/> ANY AUTO <input type="checkbox"/> OWNED AUTOS ONLY <input type="checkbox"/> HIRED AUTOS ONLY <input type="checkbox"/> SCHEDULED AUTOS <input type="checkbox"/> NON-OWNED AUTOS ONLY					COMBINED SINGLE LIMIT (Ea accident) \$ BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$ \$
	<input checked="" type="checkbox"/> UMBRELLA LIAB <input type="checkbox"/> EXCESS LIAB DED RETENTION \$					EACH OCCURRENCE \$ 2,000,000 AGGREGATE \$ 2,000,000 \$
	<input checked="" type="checkbox"/> WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below					PER STATUTE <input checked="" type="checkbox"/> OTH-ER <input type="checkbox"/> E.L. EACH ACCIDENT \$ 500,000 E.L. DISEASE - EA EMPLOYEE \$ 500,000 E.L. DISEASE - POLICY LIMIT \$ 500,000

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

Certificate holder is named as an additional insured as required by written contract in regards to the general liability policy.

CERTIFICATE HOLDER

CANCELLATION

City of Margate 5790 Margate Blvd Margate FL 33063	SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS. AUTHORIZED REPRESENTATIVE 
--	--

© 1988-2015 ACORD CORPORATION. All rights reserved.



CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)

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

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

PRODUCER	CONTACT NAME:	
	PHONE (A/C, No. Ext):	FAX (A/C, No):
INSURED	E-MAIL ADDRESS:	
	INSURER(S) AFFORDING COVERAGE	
	NAIC #	
	INSURER A:	
	INSURER B:	
	INSURER C:	
INSURER D:		
INSURER E:		
INSURER F:		

COVERAGES

CERTIFICATE NUMBER:

REVISION NUMBER:

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

INSR LTR	TYPE OF INSURANCE	ADDL SUBR INSR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
	GENERAL LIABILITY					EACH OCCURRENCE \$ 1M
	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY	<input checked="" type="checkbox"/>				DAMAGE TO RENTED PREMISES (Ea occurrence) \$
	<input type="checkbox"/> CLAIMS-MADE <input type="checkbox"/> OCCUR					MED EXP (Any one person) \$ 5K
	GEN'L AGGREGATE LIMIT APPLIES PER:					PERSONAL & ADV INJURY \$ 1M
	<input type="checkbox"/> POLICY <input type="checkbox"/> PROJECT <input type="checkbox"/> LOC					GENERAL AGGREGATE \$ 2M
	AUTOMOBILE LIABILITY					PRODUCTS - COM/OP AGG \$ 1M
	<input checked="" type="checkbox"/> ANY AUTO					COMBINED SINGLE LIMIT (Ea accident) \$ 500K
	<input type="checkbox"/> ALL OWNED AUTOS	<input type="checkbox"/> SCHEDULED AUTOS				BODILY INJURY (Per person) \$
	<input type="checkbox"/> HIRED AUTOS	<input type="checkbox"/> NON-OWNED AUTOS				BODILY INJURY (Per accident) \$
	UMBRELLA LIAB	<input type="checkbox"/> OCCUR				/ DAMAGE (Per accident) \$
	EXCESS LIAB	<input type="checkbox"/> CLAIMS-MADE				EACH OCCURRENCE \$
	DED RETENTIONS					AGGREGATE \$
<input checked="" type="checkbox"/>	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY	<input type="checkbox"/> Y/N				<input checked="" type="checkbox"/> WC STATUTORY LIMITS <input type="checkbox"/> OTHER
	ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICEMEMBER EXCLUDED? (Mandatory in FL)	<input type="checkbox"/> N/A				E.L. EACH ACCIDENT \$ 100K
	If yes, describe under DESCRIPTION OF OPERATIONS below					E.L. DISEASE - EA EMPLOYEE \$ 100K
						E.L. DISEASE - POLICY LIMIT \$ 300K

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

The City of Margate is listed as additional insured for General Liability Only

CERTIFICATE HOLDER

CANCELLATION

The City of Margate 5790 Margate Boulevard Margate FL 33063	SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.
	AUTHORIZED REPRESENTATIVE

© 1988-2010 ACORD CORPORATION. All rights reserved.

ATTACHMENT B

SAMPLE CONTRACT

CONTRACT

THIS CONTRACT, made and entered into this ____ day of _____, 20____, by and between:

CITY OF MARGATE, FLORIDA, a municipal corporation organized and existing under the laws of the State of Florida, 5790 Margate Blvd., Margate, Florida, 33063, (hereinafter referred to as "CITY"); and _____ (hereinafter referred to as "CONTRACTOR").

WITNESSETH:

IN CONSIDERATION of the mutual covenants and conditions as herein expressed and of the faithful performance of all such covenants and conditions, the parties do mutually agree as follows:

ARTICLE I

THE CONTRACT DOCUMENTS

The Contract Documents consist of all of the following: Notice Inviting Bid, Instructions to Bidders, Special Conditions, Bid Proposal Form, Schedule of Bid Prices, Information Required of Bidders, Bid Bond, Reference Sheet, Non-Collusive Affidavit, Drug-Free Workplace Form, Scrutinized Companies Certification, E-Verify Form, and Certificate of Insurance, and which are made a part of this contract, or any additional documents which are required to be submitted under the Contract, and all amendments, modifications and supplements issued on or after the effective date of the Contract.

ARTICLE 2

SCOPE OF THE WORK

CONTRACTOR shall furnish all of the labor, materials, equipment, transportation, supplies, and services necessary to perform all of the work required by the Contract Documents for:

**FURNISH AND INSTALL (8) HVAC SYSTEMS
BID NO. 2022-007**

ARTICLE 3

CONTRACT TIME

TIME IS OF THE ESSENCE OF THIS CONTRACT. The work to be performed under this Contract shall be commenced upon the date of Contract Commencement specified in the Notice to Proceed and subject to authorized adjustments shall be totally complete and ready for final payment within _____ days from the date of Contract Commencement. Failure to achieve timely final completion shall be regarded as a breach of this Contract and subject to appropriate remedies.

ARTICLE 4

CONTRACT SUM

1. THIS IS A LUMP SUM CONTRACT. CITY shall pay to CONTRACTOR the amount of \$_____ upon its determination that the project has been completed.
2. Payment shall be made at the Contract lump sum price. This price shall be full compensation for all costs associated with completion of all the work in full conformity with the requirements as stated or shown, or both in the Contract Documents.

ARTICLE 5

PAYMENT

1. The CONTRACTOR shall requisition payment for work completed. Payment shall be made as above provided upon full completion of the job as determined by CITY together with properly executed releases of liens by all subcontractors, suppliers and materialmen as may be required by CITY. CITY shall make payment to CONTRACTOR within ____ calendar days after its approval.
2. CITY may withhold in whole or in part, payment to such extent as may be necessary to protect itself from loss on account of:
 - a. Defective work not remedied.
 - b. Claims filed or unreasonable evidence indicating the probable filing of claims by other parties against the CONTRACTOR.
 - c. Failure of the CONTRACTOR to make payment to subcontractors or suppliers for materials or labor.
 - d. Damage to the CITY or to another contractor not remedied.
 - e. Reasonable evidence that the work cannot be completed for the unpaid balance of the Contract time.
 - f. Reasonable evidence that the work will not be completed within the Contract Time.

- g. Persistent failure to carry out the work in accordance with the Contract Documents.

When the above grounds are removed or resolved or the CONTRACTOR provides a surety bond or a consent of surety satisfactory to the CITY which will protect the CITY in the amount withheld, payment may be made in whole or in part.

ARTICLE 6

FINAL PAYMENT

Final payment, constituting the entire unpaid balance of the Contract Sum, shall be paid by the CITY to the CONTRACTOR when all outstanding work has been completed and all controversy regarding the preceding has been settled to the CITY'S satisfaction.

ARTICLE 7

MISCELLANEOUS PROVISIONS

2. Terms used in this Agreement which are defined in the Special and General Conditions of the Contract shall have the meanings designated in those Conditions.
3. This agreement shall have been deemed to have been executed within the State of Florida. The validity, construction, and effect of this Agreement shall be governed by the laws of the State of Florida. Any claim, objection, or dispute arising out of this Agreement shall be litigated only in the Seventeenth Judicial Circuit in and for Broward County, Florida.
4. No waiver of any provision, covenant, or condition within this agreement or of the breach of any provision, covenant, or condition within this agreement shall be taken to constitute a waiver of any subsequent breach of such provision, covenant, or condition.
5. CONTRACTOR shall not assign or transfer the Contract or its rights, title or interests therein without CITY'S prior written approval. The obligations undertaken by CONTRACTOR pursuant to the Contract shall not be delegated or assigned to any other person or firm unless CITY shall first consent in writing to the assignment. Violation of the terms of this Paragraph shall constitute a breach of Contract by CONTRACTOR and the CITY may, at its discretion, cancel the Contract and all rights, title and interest of CONTRACTOR shall thereupon cease and terminate.
6. This agreement, and attachments, represents the entire understanding of the parties as to the matters contained herein. No prior oral or written understanding shall be of any force and effect with respect to those matters covered hereunder. This agreement may only be modified by amendment in writing signed by each party.
7. **THE PARTIES TO THIS AGREEMENT HEREBY KNOWINGLY, IRREVOCABLY, VOLUNTARILY AND INTENTIONALLY WAIVE ANY RIGHT EITHER MAY HAVE TO A TRIAL BY JURY IN RESPECT TO ANY ACTION, PROCEEDING, LAWSUIT OR COUNTERCLAIM BASED UPON THE CONTRACT, ARISING OUT OF, UNDER, OR IN CONNECTION WITH THE MATTERS TO BE ACCOMPLISHED IN THIS AGREEMENT, OR ANY COURSE OF CONDUCT, COURSE OF DEALING, STATEMENTS (WHETHER VERBAL OR WRITTEN) OR THE ACTIONS OR INACTIONS OF ANY PARTY.**

8. **PUBLIC RECORDS:** The Contractor shall comply with Florida's Public Records Act, Chapter 119, Florida Statutes, and specifically agrees to:

- f. Keep and maintain public records required by the City of Margate to perform the service.
- g. Upon request from the City of Margate's custodian of public records, provide the City of Margate with a copy of the requested records or allow the records to be inspected or copied within a reasonable time at a cost that does not exceed the cost provided in this chapter or as otherwise provided by law.
- h. 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 Agreement term and following completion of the Agreement if the Contractor does not transfer the records to the City of Margate.
- i. Upon completion of the Agreement, transfer, at no cost, to the City of Margate all public records in possession of the Contractor or keep and maintain public records required by the City of Margate to perform the service. If the Contractor transfers all public records to the City of Margate upon completion of the Agreement, 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 Agreement, the Contractor shall meet all applicable requirements for retaining public records. All records stored electronically must be provided to the City of Margate, upon request from the City of Margate's custodian of public records, in a format that is compatible with the information technology systems of the City of Margate.

j. **IF THE CONTRACTOR HAS QUESTIONS REGARDING THE APPLICATION OF CHAPTER 119, FLORIDA STATUTES, TO THE CONTRACTOR'S DUTY TO PROVIDE PUBLIC RECORDS RELATING TO THIS CONTRACT, CONTACT THE CUSTODIAN OF PUBLIC RECORDS AT:**

Telephone number:

(954) 972-6454

E-mail address: recordsmanagement@margatefl.com

Mailing address:

5790 Margate Boulevard

Margate, FL 33063

9. **SCRUTINIZED COMPANIES:** In accordance with s. 287.135, Florida Statutes, as amended, a company is ineligible to, and may not bid on, submit a proposal for, or enter

into or renew a contract with an agency or local governmental entity for goods or services of:

9.1 Any amount if, at the time of bidding on, submitting a proposal for, or entering into or renewing such contract, the company is on the Scrutinized Companies that Boycott Israel List, created pursuant to s. 215.4725, Florida Statutes, or is engaged in a boycott of Israel; or

.1 One million dollars or more, if, at the time of bidding on, submitting a proposal for, or entering into or renewing such contract, the company:

.2 Is on the Scrutinized Companies with Activities in Sudan List or the Scrutinized Companies with Activities in the Iran Petroleum Energy Sector List, created pursuant to s. 215.73, Florida Statutes; or

.3 Is engaged in business operations in Cuba and Syria.

9.2 By submitting a bid, proposal or response, the company, principals or owners certify that they are not listed on the Scrutinized Companies that Boycott Israel List, Scrutinized Companies with Activities in Sudan List, Scrutinized Companies with Activities in the Iran Petroleum Energy Sector List, or is engaged in business operations in Syria.

9.3 The City reserves the right to terminate this contract if Contractor is found to have been placed on the Scrutinized Companies that Boycott Israel List or is engaged in a boycott of Israel.

10. E-VERIFY

1) Definitions:

“Contractor” means a person or entity that has entered or is attempting to enter into a contract with a public employer to provide labor, supplies, or services to such employer in exchange for salary, wages, or other remuneration.

“Subcontractor” means a person or entity that provides labor, supplies, or services to or for a contractor or another subcontractor in exchange for salary, wages, or other remuneration.

2) Effective January 1, 2021, public and private employers, contractors and subcontractors will begin required registration with, and use of the E-verify system in order to verify the work authorization status of all newly hired employees. Vendor/Consultant/Contractor acknowledges and agrees to utilize the U.S. Department of Homeland Security’s E-Verify System to verify the employment eligibility of:

- a) All persons employed by Vendor/Consultant/Contractor to perform employment duties within Florida during the term of the contract; and
- b) All persons (including subvendors/subconsultants/subcontractors) assigned by Vendor/Consultant/Contractor to perform work pursuant to the contract with the Department. The Vendor/Consultant/Contractor acknowledges and agrees that use of the U.S. Department of Homeland Security’s E-Verify System during the term of

the contract is a condition of the contract with the City of Margate; and

- c) By entering into this Contract, the Contractor becomes obligated to comply with the provisions of Section 448.095, Fla. Stat., "Employment Eligibility," as amended from time to time. This includes but is not limited to utilization of the E-Verify System to verify the work authorization status of all newly hired employees, and requiring all subcontractors to provide an affidavit attesting that the subcontractor does not employ, contract with, or subcontract with, an unauthorized alien. The contractor shall maintain a copy of such affidavit for the duration of the contract. Failure to comply will lead to termination of this Contract, or if a subcontractor knowingly violates the statute, the subcontract must be terminated immediately. Any challenge to termination under this provision must be filed in the Circuit Court no later than 20 calendar days after the date of termination. If this contract is terminated for a violation of the statute by the Contractor, the Contractor may not be awarded a public contract for a period of 1 year after the date of termination and shall be liable for any additional costs incurred by the City as a result of the termination.

IN WITNESSETH WHEREOF, CITY and CONTRACTOR have signed this Contract in duplicate. One counterpart each has been delivered to CITY and CONTRACTOR. All portions of the Contract Documents have been signed or identified by CITY and CONTRACTOR.

IN WITNESS WHEREOF, the parties have hereunto set their hands and seals the day and year first above written.

CITY OF MARGATE

Antonio V. Arserio, Mayor

Cale Curtis, City Manager

____ day of _____, 20____

____ day of _____, 20____

ATTEST:

APPROVED AS TO FORM:

Jennifer M. Johnson, City Clerk

David N. Tolces, Interim City Attorney

____ day of _____, 20____

____ day of _____, 20____

FOR CONTRACTOR

FOR CORPORATION:

President (signature)

(Print Name)

____ day of _____, 20____

Secretary (signature)

(Print Name)

(CORPORATE SEAL)

____ day of _____, 20____

AGREEMENT BETWEEN CITY OF MARGATE AND CONTRACTOR FOR THE PROPOSED:
FURNISH AND INSTALL (8) HVAC SYSTEMS
BID NO. 2022-007

PART II – TECHNICAL SPECIFICATIONS

TECHNICAL SPECIFICATIONS
BID NO. 2022-007
FURNISH AND INSTALL (8) HVAC SYSTEMS

SPECIFICATIONS:

TURN-Key Task: Furnish and install (8) new AC units at eight (8) different locations through the City of Margate as described in the scope of work below and verified in the field by the Contractor.

All bid prices shall include all necessary costs for mobilization/demobilization, labor (including supervision and any sub-vendors), vendor/sub-vendor time, parts, equipment and materials for a 100% turn-key project from permitting through completion and submission of a written 1-year (labor, parts and material) warranty from the Contractor and the standard warranty from the Manufacturer.

All new units shall be installed on the same footprint as existing as no adjustment to the pads are envisioned. The new units must be able to be installed on the existing concrete pad where the existing unit.

Contractor shall field verify all locations prior to submitting a bid. Please schedule a time and location for field visit with Glen Mammel, Division Leader at 954-708-9414. Site visits shall only be performed Monday through Thursday between 10AM and 2PM and at the discretion and availability of the Division Leader. Due to time limitations, only one site visit will be coordinated by each vendor.

The City of Margate has the right to reduce the quantities of requested new units identified below and for which a bid is submitted.

All replacement unit cut sheets and information shall be required to be submitted at the time the bid is due. Submissions of bid documents shall be complete with all pertinent information that the Contractor desires to convey as part of the bid. Failure to provide sufficient data, document, or information to satisfy the intent of this bid may result in the rejection of the bid.

SCOPE OF WORK:

UNIT #1 = LOCATION: FINANCE DEPT., CITY HALL, 5790 MARGATE BLVD., MARGATE, FL 33063.

1. Removal and disposal of one (1) 7.5-ton Carrier package unit Model # 50TCD08A2B6A0A0A.
2. Install one (1) 7.5-ton Carrier package unit Model # 50TC-M08A2B6, 460/480/3/60, 11.2 EER.
3. Install one two position motorized outside air damper.
4. Install one 10 kW electric heat.
5. Install new curb adapter.
6. Install one Drain pan float switch.
7. Install one single point kit.
8. Install one two-stage digital programmable thermostat.
9. Provide permit application and fees to the City for approval.
10. Provide signed and sealed structural drawings for the unit tie down.
11. Provide crane services and rigging.
12. Start up and monitor unit for proper operation.

UNIT #2 = LOCATION: COMMISSION CHAMBERS, CITY HALL, 5790 MARGATE BLVD., MARGATE, FL 33063.

1. Removal and disposal of one (1) 3-ton Carrier package unit Model # 24ABS360A600 and one (1) 6-ton Air Handler Model # 40RM007B611HC.
2. Install one (1) 6-ton Carrier split type unit, Condenser Model # 38AUZD07A0B6, 460/3/60.
Air Handler Model # 40RM007, 460/480/3/60.
3. Verify motorized outside air damper is existing, if not, include cost for motorized outside air damper and all accessories to meet Building Code requirements.
4. Install one 10 kW electric heat.
5. Start up and monitor the unit for proper operation.
6. Install one single-stage digital programmable thermostat.
7. Provide permit application and fees to the City for approval.
8. Provide signed and sealed structural drawings for the unit tie down.
9. Provide crane services and rigging.
10. Install one Drain pan float switch.

UNIT #3 = LOCATION: INFORMATION TECHNOLOGY DEPT., SERVER ROOM, CITY HALL, 5790 MARGATE BLVD., MARGATE, FL 33063.

1. Removal and disposal of one (1) American Standard 3-ton Condenser Model # 4A7A5036E1000AA and one American Standard Air Handler Model # 4TEE3C05A1000AA.

2. Install one (1) 3-ton Carrier Split Type Unit Condenser Model # 24ABC636A003A, 208/230/1/60, 16 SEER and one Air Handler Model # FX4DNF037L00, **NO heat and outside air required.**
3. Start up and monitor the unit for proper operation.
4. Install one single-stage digital programmable thermostat.
5. Provide permit application and fees to the City for approval.
6. Provide signed and sealed structural drawings for the unit tie down.
7. Install one Drain pan float switch.

UNIT #4 = LOCATION: NORTHWEST FOCAL POINT SENIOR CENTER, 6009 NW 10th STREET, MARGATE, FL 33063.

1. Removal and disposal of one (1) 10-ton Carrier package unit Model # 50HJ012HV561.
2. Install one (1) 10-ton Carrier package unit Model # 50TC-M12A2B5, 208/230/3/60, 11.2 EER.
3. Install one two position motorized outside air damper.
4. Install one 10 kW electric heat.
5. Install new curb adapter.
6. Start up and monitor the unit for proper operation.
7. Install one single point kit.
8. Install one two-stage digital programmable thermostat.
9. Provide permit application and fees to the City for approval.
10. Provide signed and sealed structural drawings for the unit tie down.
11. Provide crane services and rigging.
12. Install one Drain pan float switch.

UNIT #5 = LOCATION: FIRE STATION #98, 5395 NW 24TH STREET, MARGATE, FL 33063.

1. Removal and disposal of one (1) 3-ton Carrier package unit Model # 50HCB04A2B5.
2. Install one (1) 3-ton Carrier package unit Model # 50FCA04A2B5, 208/230/3/60, 14.0 SEER.
3. Install one two position motorized outside air damper.
4. Install one 10 kW electric heat.
5. Install new curb adapter.
6. Install one Drain pan float switch.
7. Install one single-stage digital programmable thermostat.
8. Provide permit application and fees to the City for approval.
9. Provide signed and sealed structural drawings for the unit tie down.
10. Provide crane services and rigging.
11. Start up and monitor unit for proper operation.

UNIT #6 = LOCATION: CALYPSO COVE, TRAINING ROOM, 6200 ROYAL PALM BLVD., MARGATE, FL 33063.

1. Removal and disposal of one (1) Day and Night 4-ton Condenser Model # R2A348GKR200.
2. Install one (1) 4-ton Carrier Split Type Unit Condenser Model # 24ABC648A003A, 208/230/1/60, 16 SEER and one Air Handler Model # FX4DNF049L00.
3. Install one 7.5 kW electric heat and verify outside air to the unit, 208/230/1/60.
4. Start up and monitor the unit for proper operation.
5. Install one single-stage digital programmable thermostat.
6. Provide permit application and fees to the City for approval.
7. Provide signed and sealed structural drawings for the unit tie down.
8. Install one Drain pan float switch.

UNIT #7 = LOCATION: CALYPSO COVE, CONCESSION ROOM, 6200 ROYAL PALM BLVD., MARGATE, FL 33063.

1. Removal and disposal of one (1) Day and Night 2-ton Condenser Model # R2A324GKR200.
2. Install one (1) 2-ton Carrier Split Type Unit Condenser Model # 24ABC624A003A, 208/230/1/60, 16 SEER and one Air Handler Model # FX4DNF030L00, **NO heat and outside air required.**
3. Start up and monitor the unit for proper operation.
4. Install one single-stage digital programmable thermostat.
5. Provide permit application and fees to the City for approval.
6. Provide signed and sealed structural drawings for the unit tie down.
7. Install one Drain pan float switch.

UNIT #8 = LOCATION: CALYPSO COVE, ADMINISTRATION OFFICE, 6200 ROYAL PALM BLVD., MARGATE, FL 33063.

1. Removal and disposal of unit Condenser partial Model # 563GN060-A. The Air Handler Model # FB4NB070, 208/230/1/60.
2. Install one (1) 5-ton Carrier Split Type Unit Condenser Model # 24ABC660A003A, 208/230/1/60, 16 SEER and one Air Handler Model # FX4DNF060L00.
3. Install one 10.0 kW electric heat and verify outside air to the unit, 208/230/1/60.
4. Start up and monitor the unit for proper operation.
5. Install one single-stage digital programmable thermostat.
6. Provide permit application and fees to the City for approval.
7. Provide signed and sealed structural drawings for the unit tie down.
8. Install one Drain pan float switch



SUBMITTAL

Project

City of Margate bid package

Date

Friday, July 29, 2022

Table Of Contents

Project: City of Margate bid package
Prepared By:

08/02/2022
09:39AM

UNIT-1	3
Unit Report	4
Certified Drawing	5
Performance Summary	8
UNIT-4	11
Unit Report	12
Certified Drawing	13
Performance Summary	16
UNIT-5	19
Unit Report	20
Certified Drawing	21
Performance Summary	24
UNIT-2	27
Unit Report	28
Performance Summary	30
Acoustic Summary	35
Certified Drawing	37
UNIT-3	41
Unit Report	42
Performance Summary	44
System Parameters	44
Electrical Data	44
Acoustic Summary	45
Certified Drawing	46
UNIT-6	49
Unit Report	50
Performance Summary	52
System Parameters	52
Electrical Data	52
Acoustic Summary	53
Certified Drawing	54
UNIT-8	57
Unit Report	58
Performance Summary	60
System Parameters	60
Electrical Data	60
Acoustic Summary	61
Certified Drawing	62
UNIT-7	65
Unit Report	66
Performance Summary	68
System Parameters	68
Electrical Data	68
Acoustic Summary	69
Certified Drawing	70

UNIT-1

Project: City of Margate bid package
Prepared By:

08/02/2022
09:39AM

UNIT-1

Tag Cover Sheet Unit Report Certified Drawing Performance Report

Unit Report For UNIT-1

Project: City of Margate bid package
Prepared By:

08/02/2022
09:39AM

Unit Parameters

Unit Model: 50FC-M08A2B6-0A0A0
Unit Size: 08 (7.5 Tons)
Volts-Phase-Hertz: 460-3-60
Heating Type: Electric
Duct Cfg: Vertical Supply / Vertical Return
Single Circuit, Two Stage Cooling

Dimensions (ft. in.) & Weight (lb.) ***

Unit Length: 7' 4.125"
Unit Width: 4' 11.5"
Unit Height: 3' 5.25"

*** Weights and Dimensions are approximate. Weight does not include roof curbs, unit packaging, field installed accessories or factory installed options. Approximate dimensions are provided primarily for shipping purposes. For exact dimensions and weights, refer to appropriate product data catalog.

Base Unit Weight (Does not include any accessories):

743 lb

Lines and Filters

Return Air Filter Type: Throwaway
Return Air Filter Quantity: 4
Return Air Filter Size: 16 x 20 x 2

Selection includes construction throwaway filter into the base fan curve. This filter is not MERV Rated.

Unit Configuration

Standard/Medium Static (EcoBlue)
Precoat Al/Cu - Al/Cu
Base Electro-mechanical controls
Standard Packaging

Warranty Information

5-Year compressor parts (STD.)
1-Year parts (STD.)

No optional warranties were selected.

NOTE: Please see Warranty Catalog 500-089 for explanation of policies and ordering methods.

Ordering Information

Part Number	Description	Quantity
50FC-M08A2B6-0A0A0	Rooftop Unit	1
	Base Unit	
	Precoat Al/Cu - Al/Cu	
	None	
Field Installed Accessories		
CRHEATER420A00	Electric Heater	1
CRSINGLE042A00	Single Point Kit	1
CRTWOPOS011A00	Air Damper	1

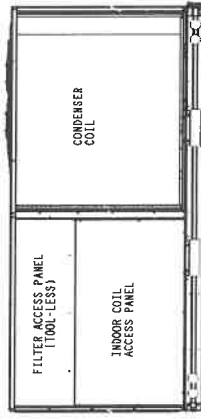
Project: City of Margate bid package
Prepared By:

NOTES:-

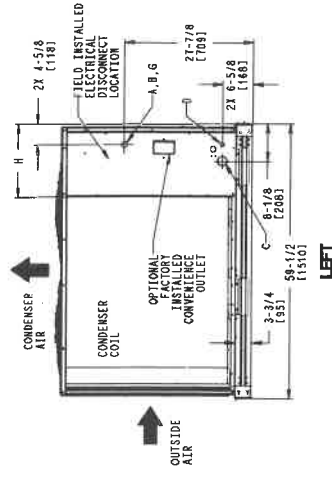
1. DIMENSIONS ARE IN INCHES, DIMENSIONS IN I J ARE IN MILLIMETERS.
2.  CENTER OF GRAVITY
3.  DIRECTION OF AIR FLOW
4.  ALL VIEW DRAWN USING 3RD ANGLE

UNIT	OUTDOOR COIL TYPE	J	K	H
50FC-W09	RTPF	41 1/4 [1048]	33 3/4 [857]	15 7/8 [403]
50FC-W09	RTPF	49 3/8 [1253]	36 3/8 [925]	15 7/8 [403]
50FC-W12	RTPF	49 3/8 [1253]	36 3/8 [925]	15 7/8 [403]

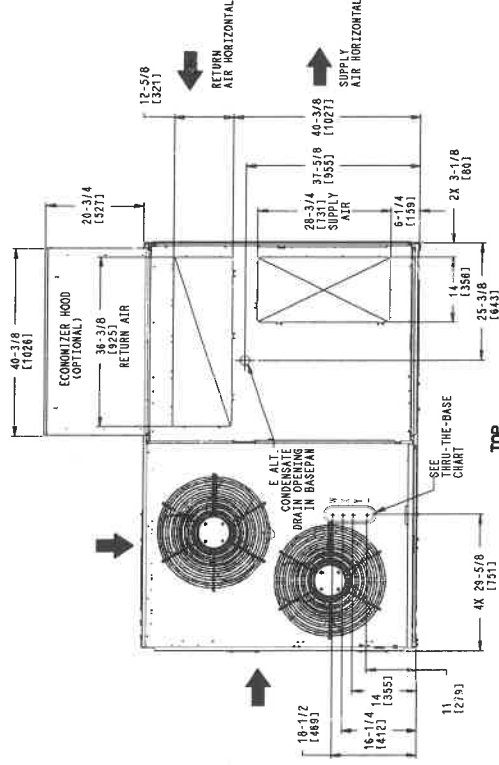
321



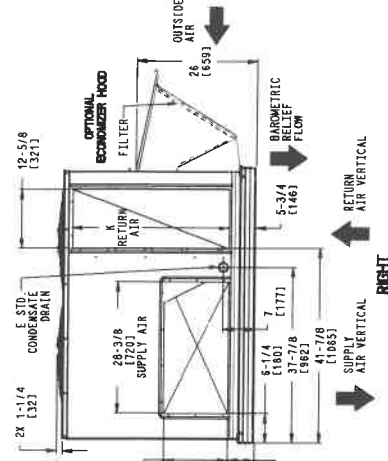
BACK



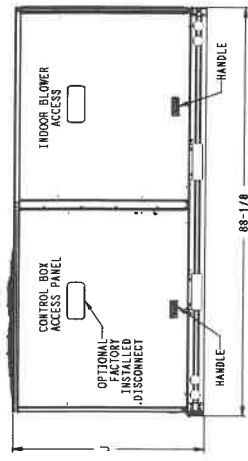
TEST



Top



1



INDEX

ITC CLASSIFICATION	SHEET	DATE	SUPERCEDES	REV
U.S. ECG: NSR	1 OF 3	03/12/21	50FC 08-12 SINGLE ZONE ELECTRICAL COOLING WITH ELECTRIC HEAT	48TH0006296

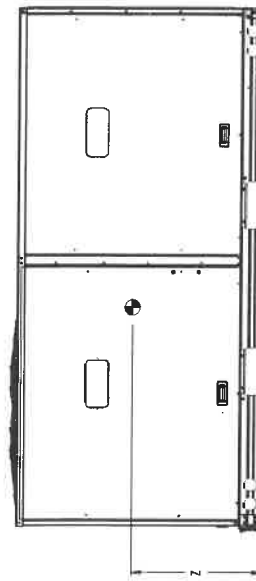
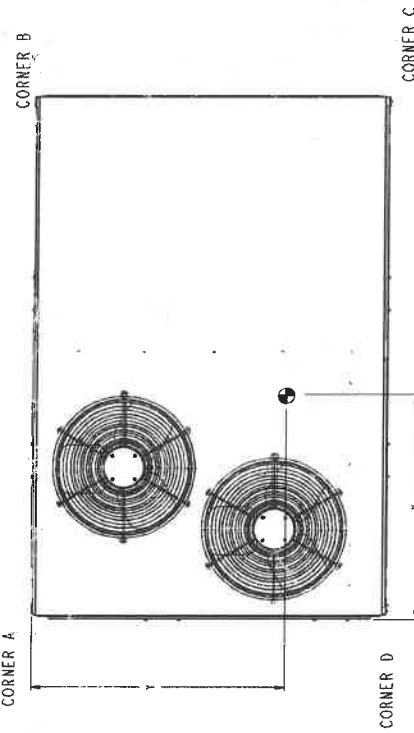
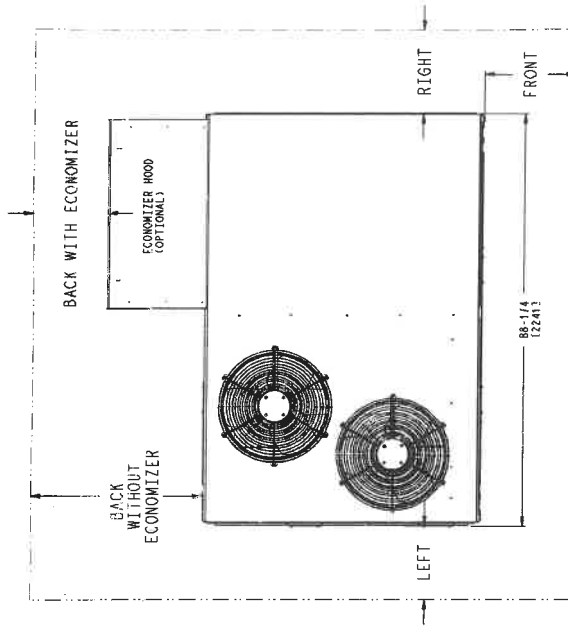
Certified Drawing for UNIT-1

Project: City of Margate bid package
Prepared By:

08/02/2022
09:39AM

UNIT	OUTDOOR COIL TYPE	STD. UNIT WEIGHT ***	CORNER WEIGHT (A)	CORNER WEIGHT (B)	CORNER WEIGHT (C)	CORNER WEIGHT (D)	C.G.		
		LBS.	KG.	LBS.	KG.	LBS.	KG.	X	Y
SFPC-M08	RTPF	743	337	170	77	142	64	186	89
SFPC-M08	RTPF	805	365	196	89	251	114	201	91
SFPC-M12	RTPF	815	370	198	90	254	115	204	92
RTPF - ROUND TUBE, PLATE FIN (COPPER/ALUM)									

*** STANDARD UNIT WEIGHT IS WITHOUT ELECTRIC HEAT AND WITHOUT PACKAGING. FOR OTHER OPTIONS AND ACCESSORIES, REFER TO THE PRODUCT DATA CATALOG.



NOTE:
1. FOR ALL MINIMUM CLEARANCES LOCAL CODES OR JURISDICTIONS MAY PREVAIL.

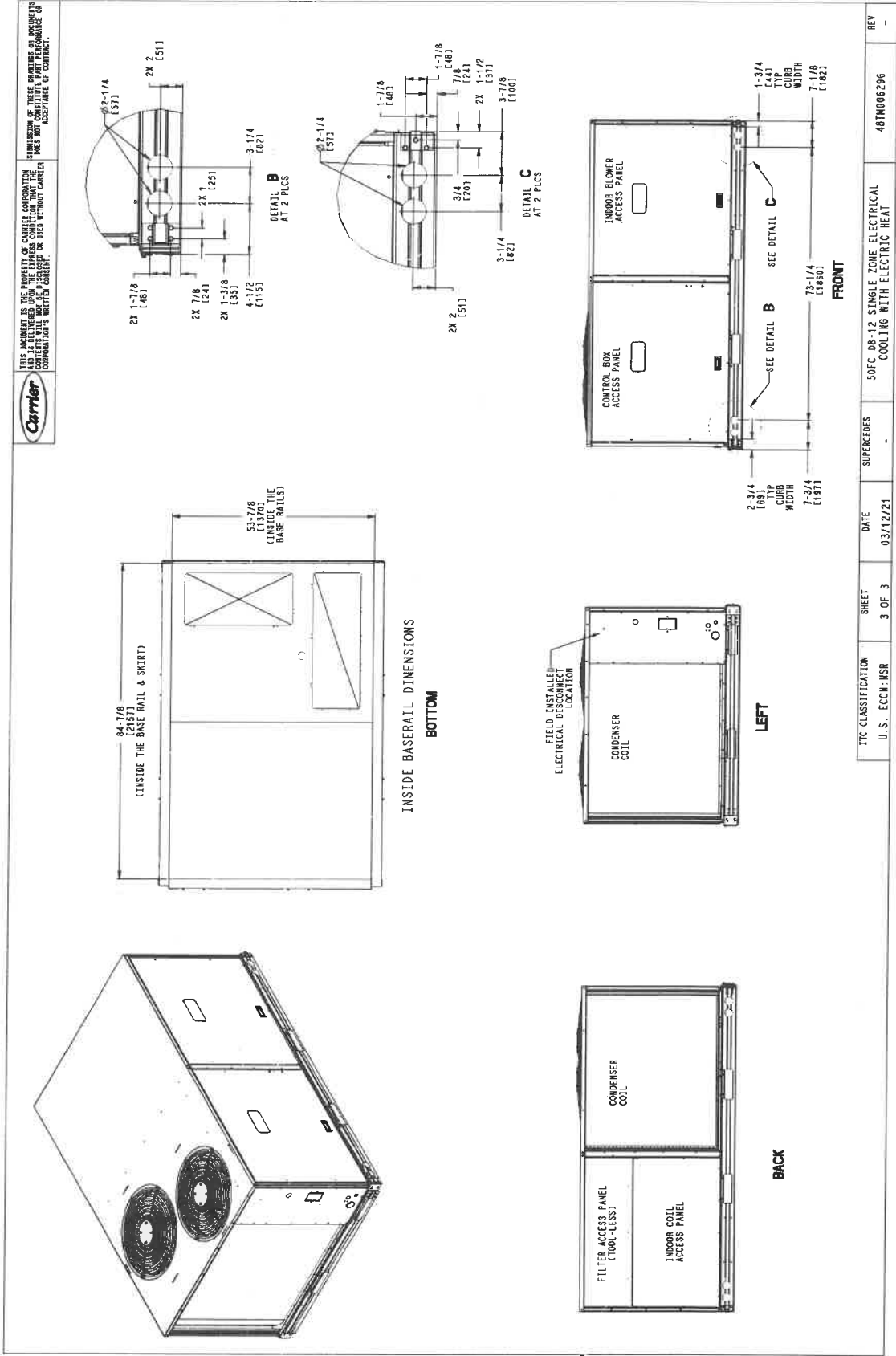
CLEARANCE			
SURFACE	SERVICE WITH CONDUCTIVE BARRIER	SERVICE WITH NONCONDUCTIVE BARRIER	OPERATING CLEARANCE
FRONT	48 [1219mm]	36 [914mm]	18 [457mm]
LEFT	48 [1219mm]	42 [1067mm]	18 [457mm]
BACK W/O ECON	48 [1219mm]	42 [1067mm]	18 [457mm]
BACK W/ECON	36 [914mm]	36 [914mm]	18 [457mm]
RIGHT	36 [914mm]	36 [914mm]	18 [457mm]
TOP	72 [1829mm]	72 [1829mm]	72 [1829mm]
SUPERCEDES	50FC OR-12 SINGLE ZONE ELECTRICAL COOLING WITH ELECTRIC HEAT		
REV	487M06296		

U.S. ECCN: NSR	SHEET 2 OF 3	DATE 03/12/21
----------------	--------------	---------------

Certified Drawing for UNIT-1

Project: City of Margate bid package
Prepared By:

08/02/2022
09:39AM



Performance Summary For UNIT-1

Project: City of Margate bid package
Prepared By:

08/02/2022
09:39AM

Part Number:50FC-M08A2B6-0A0A0

ARI EER: 11.40
IEER: 15.2

Base Unit Dimensions

Unit Length: 88.1 in
Unit Width: 59.5 in
Unit Height: 41.3 in
Base Unit Weight (Does not include any accessories): 743 lb

Unit

Unit Voltage-Phase-Hertz: 460-3-60
Air Discharge: Vertical
Fan Drive Type: Vane Axial
Actual Airflow: 3000 CFM
Site Altitude: 0 ft

Cooling Performance

Condenser Entering Air DB: 95.0 F
Evaporator Entering Air DB: 80.0 F
Evaporator Entering Air WB: 67.0 F
Entering Air Enthalpy: 31.44 BTU/lb
Evaporator Leaving Air DB: 59.6 F
Evaporator Leaving Air WB: 57.5 F
Evaporator Leaving Air Enthalpy: 24.74 BTU/lb
Gross Cooling Capacity: 90.47 MBH
Gross Sensible Capacity: 66.02 MBH
Compressor Power Input: 6.30 kW
Coil Bypass Factor: 0.147

Heating Performance

Heating Airflow: 3000 CFM
Entering Air Temp: 70.0 F
Leaving Air Temp: 84.5 F
Electric Heating Capacity: 13.80 kW

Supply Fan

External Static Pressure: 0.50 in wg
Fan RPM: 1389
Fan Power: 0.97 BHP
NOTE: Selected IFM RPM Range: 970 - 2000

Selection includes construction throwaway filter into the base fan curve. This filter is not MERV Rated.

Electrical Data

Voltage Range: 414 - 506
Compressor #1 RLA: 6.1
Compressor #1 LRA: 60
Compressor #2 RLA: 6.1
Compressor #2 LRA: 60
Actual Electric Heater kW: 13.8
Electric Heater FLA: 18
Indoor Fan Motor Type: MED
Indoor Fan Motor FLA: 3
Power Supply MCA: 27
Power Supply MOCP (Fuse or HACR): 30
Disconnect Size FLA: 24
Disconnect Size LRA: 128
Electrical Convenience Outlet: None

Performance Summary For UNIT-1

Project: City of Margate bid package
Prepared By:

08/02/2022
09:39AM

Outdoor Fan [Qty / FLA (ea)]: **2 / 0.8**
Electric Heater Part Number: **420A**
Electric Heater Number of Stages: **1**

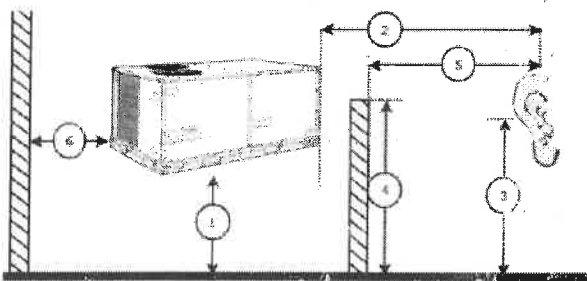
Control Panel SCCR: 5kA RMS at Rated Symmetrical Voltage

Acoustics

Sound Power Levels, db re 10E-12 Watts

	Discharge	Inlet	Outdoor
63 Hz	90.3	85.5	85.6
125 Hz	82.6	76.8	84.7
250 Hz	67.7	64.1	80.5
500 Hz	65.9	63.2	76.0
1000 Hz	63.3	60.7	72.4
2000 Hz	60.6	55.1	68.0
4000 Hz	60.5	52.3	62.8
8000 Hz	56.0	47.0	59.3
A-Weighted	71.8	67.2	79.0

Advanced Acoustics



Advanced Acoustics Parameters

1. Unit height above ground: **30.0** ft
2. Horizontal distance from unit to receiver: **50.0** ft
3. Receiver height above ground: **5.7** ft
4. Height of obstruction: **0.0** ft
5. Horizontal distance from obstruction to receiver: **0.0** ft
6. Horizontal distance from unit to obstruction: **0.0** ft

Detailed Acoustics Information

Octave Band Center Freq. Hz	63	125	250	500	1k	2k	4k	8k	Overall
A	85.6	84.7	80.5	76.0	72.4	68.0	62.8	59.3	89.2 Lw
B	59.4	68.6	71.9	72.8	72.4	69.2	63.8	58.2	78.5 LwA
C	53.2	52.3	48.1	43.6	40.0	35.6	30.4	26.9	56.8 Lp
D	27.0	36.2	39.5	40.4	40.0	36.8	31.4	25.8	46.1 LpA

Legend

- A Sound Power Levels at Unit's Acoustic Center, Lw
B A-Weighted Sound Power Levels at Unit's Acoustic Center, LwA
C Sound Pressure Levels at Specific Distance from Unit, Lp
D A-Weighted Sound Pressure Levels at Specific Distance from Unit, LpA

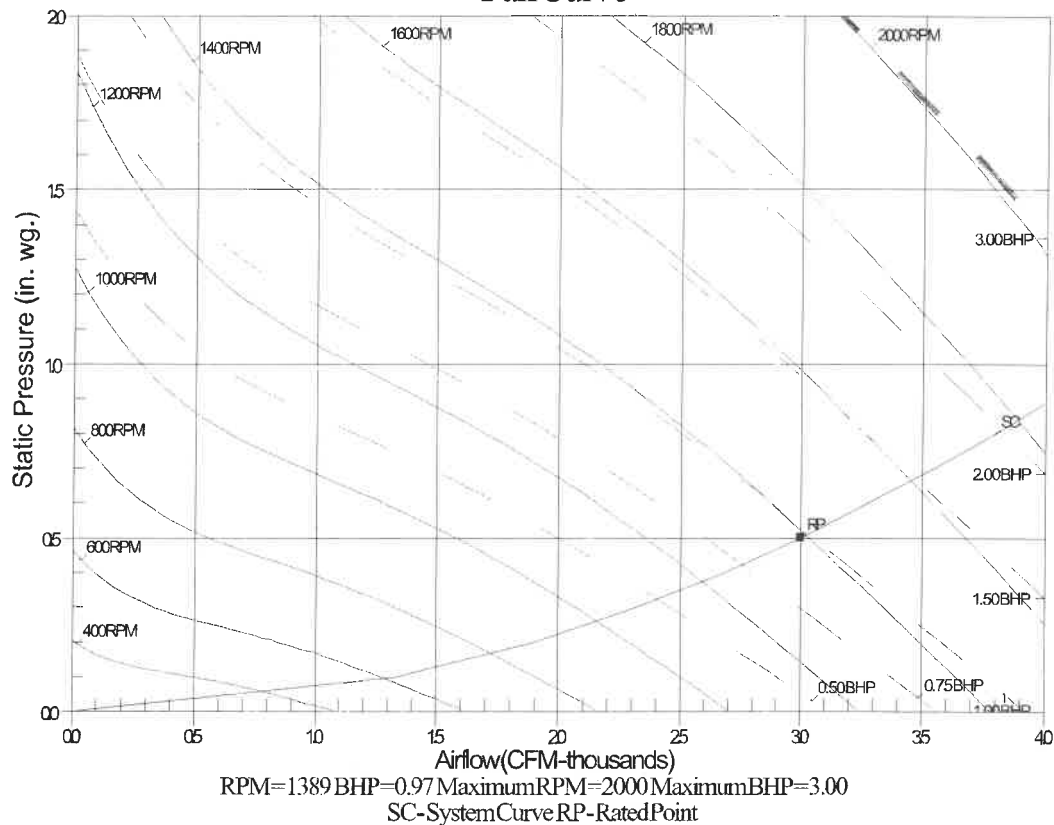
Performance Summary For UNIT-1

Project: City of Margate bid package
Prepared By:

08/02/2022
09:39AM

Calculation methods used in this program are patterned after the ASHRAE Guide; other ASHRAE Publications and the AHRI Acoustical Standards. While a very significant effort has been made to insure the technical accuracy of this program, it is assumed that the user is knowledgeable in the art of system sound estimation and is aware of the tolerances involved in real world acoustical estimation. This program makes certain assumptions as to the dominant sound sources and sound paths which may not always be appropriate to the real system being estimated. Because of this, no assurances can be offered that this software will always generate an accurate sound prediction from user supplied input data. If in doubt about the estimation of expected sound levels in a space, an Acoustical Engineer or a person with sound prediction expertise should be consulted.

FanCurve



UNIT-4

Project: City of Margate bid package
Prepared By:

08/02/2022
09:39AM

UNIT-4

Tag Cover Sheet Unit Report Certified Drawing Performance Report

Unit Report For UNIT-4

Project: City of Margate bid package
Prepared By:

08/02/2022
09:39AM

Unit Parameters

Unit Model: 50FC-M12A2B5-0A0A0
Unit Size: 12 (10 Tons)
Volts-Phase-Hertz: 208-3-60
Heating Type: Electric
Duct Cfg: Vertical Supply / Vertical Return
Single Circuit, Two Stage Cooling

Dimensions (ft. in.) & Weight (lb.) ***

Unit Length: 7' 4.125"
Unit Width: 4' 11.5"
Unit Height: 4' 1.375"

*** Weights and Dimensions are approximate. Weight does not include roof curbs, unit packaging, field installed accessories or factory installed options. Approximate dimensions are provided primarily for shipping purposes. For exact dimensions and weights, refer to appropriate product data catalog.

Base Unit Weight (Does not include any accessories):

815 lb

Lines and Filters

Return Air Filter Type: Throwaway
Return Air Filter Quantity: 4
Return Air Filter Size: 25 x 20 x 2

Selection includes construction throwaway filter into the base fan curve. This filter is not MERV Rated.

Unit Configuration

Standard/Medium Static (EcoBlue)
Precoat Al/Cu - Al/Cu
Base Electro-mechanical controls
Standard Packaging

Warranty Information

5-Year compressor parts (STD.)
1-Year parts (STD.)

No optional warranties were selected.

NOTE: Please see Warranty Catalog 500-089 for explanation of policies and ordering methods.

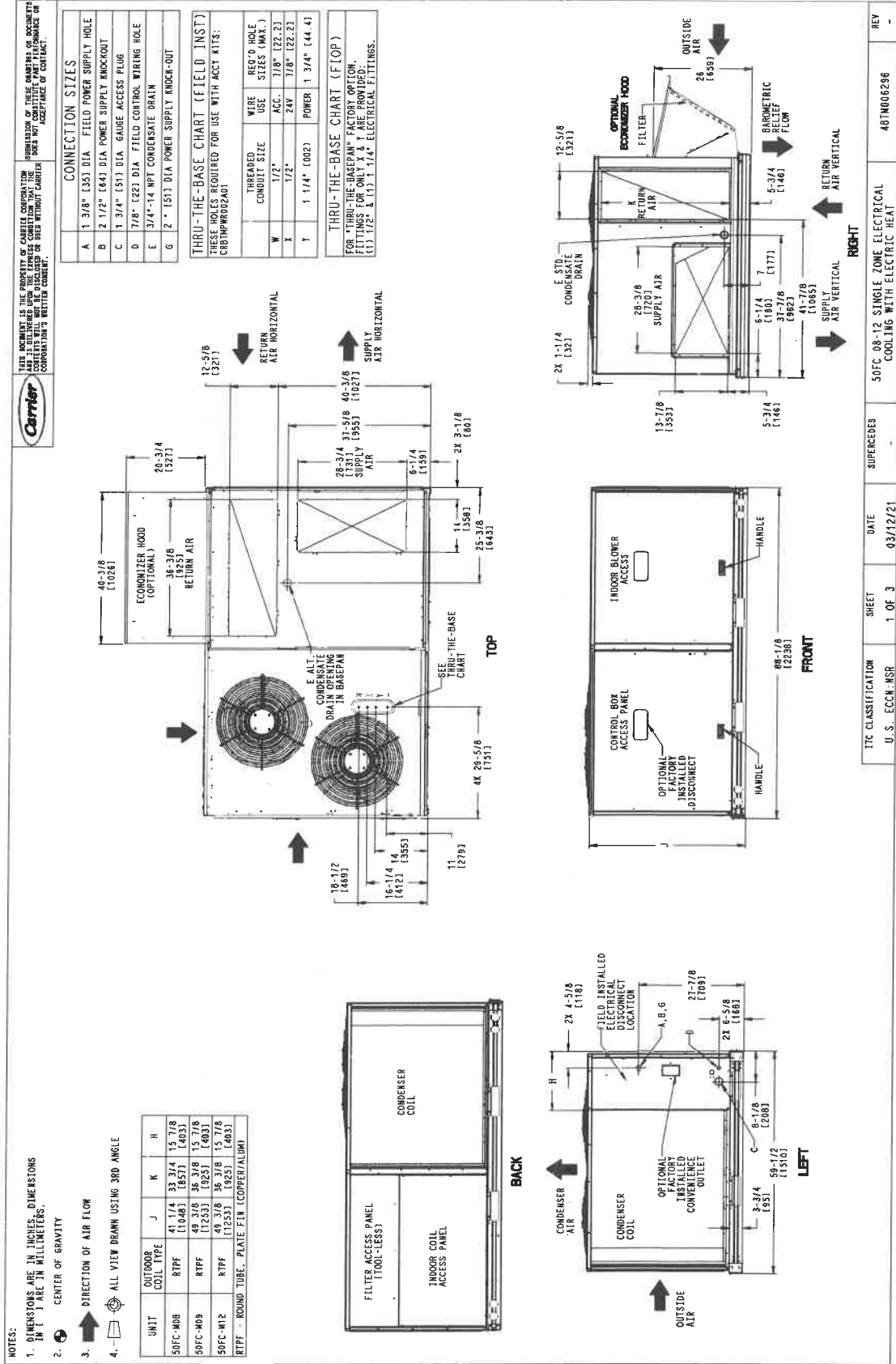
Ordering Information

Part Number	Description	Quantity
50FC-M12A2B5-0A0A0	Rooftop Unit	1
	Base Unit	
	Precoat Al/Cu - Al/Cu	
	None	
Field Installed Accessories		
CRTWOPOS011A00	Air Damper	1
CRHEATER412A00	Electric Heater	1
CRSINGLE047A00	Single Point Kit	1

Certified Drawing for UNIT-4

Project: City of Margate bid package
Prepared By:

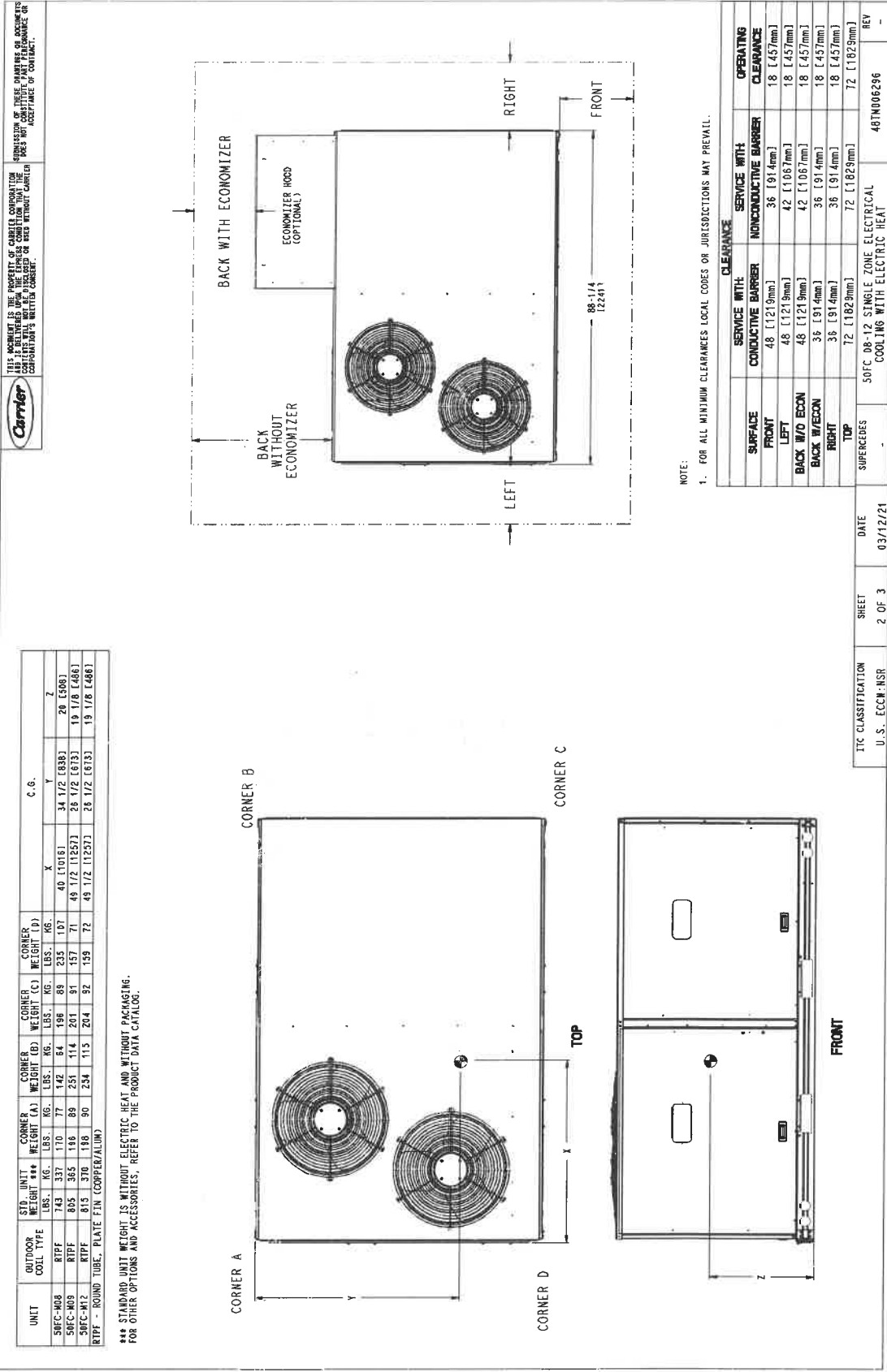
08/02/2022
09:39AM



Certified Drawing for UNIT-4

Project: City of Margate bid package
Prepared By:

08/02/2022
09:39AM



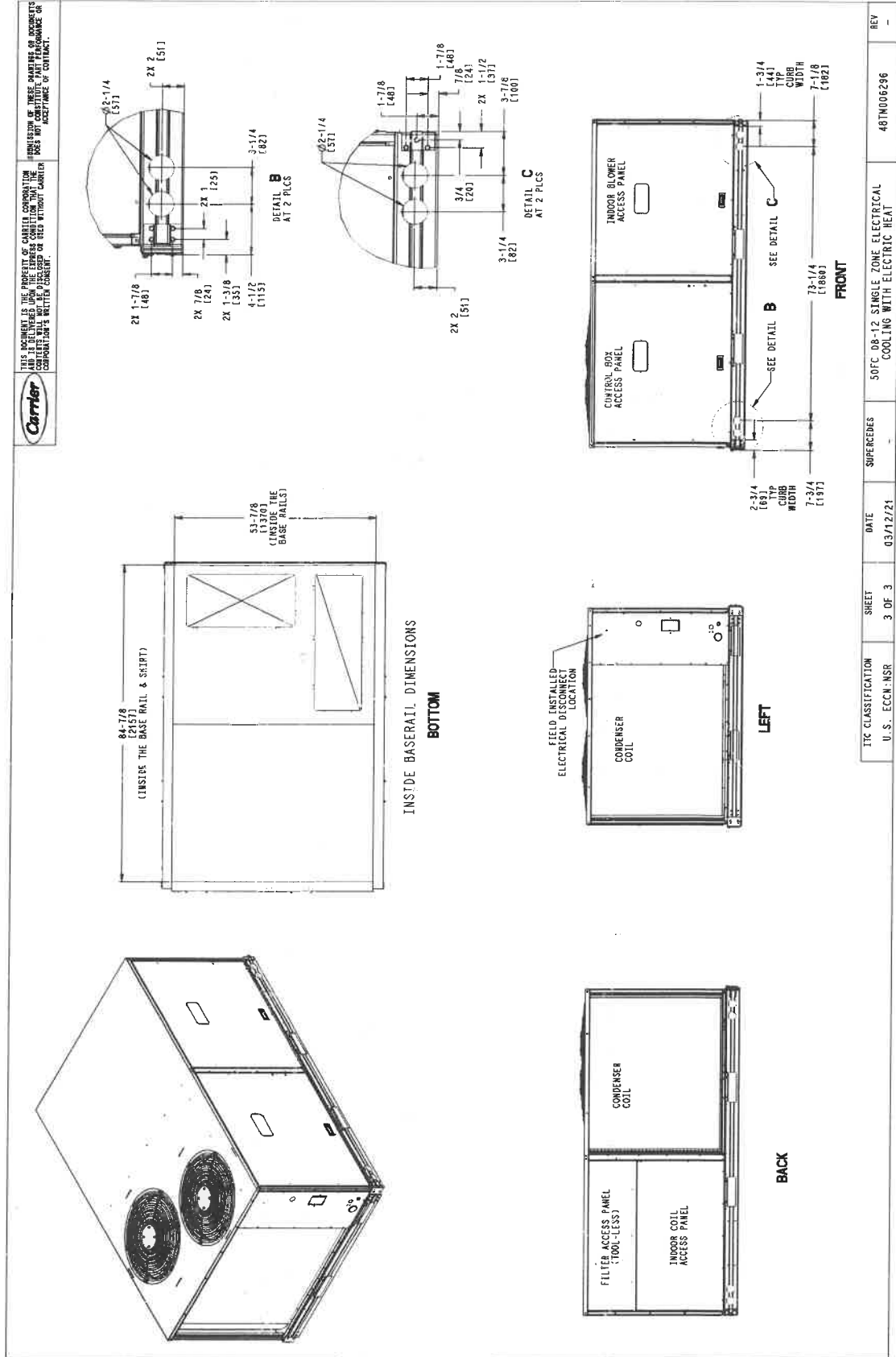
UNIT	OUTDOOR COIL TYPE	STD. UNIT		CORNER		CORNER		CORNER		CORNER		C.G.																	
		WEIGHT LBS.	*** LBS.	WEIGHT (A) LBS.	WEIGHT (B) LBS.	WEIGHT (C) LBS.	WEIGHT (D) LBS.	WEIGHT (E) LBS.	WEIGHT (F) LBS.	WEIGHT (G) LBS.	WEIGHT (H) LBS.	X	Y	Z															
SHFC-008	RTFF	74.3	337	170	77	142	54	196	89	235	107	40	10181	34	1/2	1838	26	1/2	1613	19	1/8	486	19	1/8	486	19	1/8	486	
SHFC-009	RTFF	80.5	365	186	89	251	114	201	91	157	71	48	1/2	11257	28	1/2	1613	19	1/8	486	19	1/8	486	19	1/8	486	19	1/8	486
SHFC-012	RTFF	81.5	370	188	90	254	115	204	92	159	72	48	1/2	11257	28	1/2	1613	19	1/8	486	19	1/8	486	19	1/8	486	19	1/8	486
RTFF - ROUND TUBE, PLATE FIN COPPER/ALUMINUM																													

*** STANDARD UNIT WEIGHT IS WITHOUT ELECTRIC HEAT AND WITHOUT PACKAGING. FOR OTHER OPTIONS AND ACCESSORIES, REFER TO THE PRODUCT DATA CATALOG.

Certified Drawing for UNIT-4

Project: City of Margate bid package
Prepared By:

08/02/2022
09:39AM



ITC CLASSIFICATION	SHEET	DATE	SUPERCEDES	50FC DB-12 SINGLE ZONE ELECTRICAL COOLING WITH ELECTRIC HEAT	REV
U.S. ECCN: NSR	3 OF 3	03/12/21		48TH006296	-

Performance Summary For UNIT-4

Project: City of Margate bid package
Prepared By:

08/02/2022
09:39AM

Part Number:50FC-M12A2B5-0A0A0

ARI EER: 11.20
IEER: 15.2

Base Unit Dimensions

Unit Length: 88.1 in
Unit Width: 59.5 in
Unit Height: 49.4 in

Base Unit Weight (Does not include any accessories): 815 lb

Unit

Unit Voltage-Phase-Hertz: 208-3-60
Air Discharge: Vertical
Fan Drive Type: Vane Axial
Actual Airflow: 3000 CFM
Site Altitude: 0 ft

Cooling Performance

Condenser Entering Air DB: 95.0 F
Evaporator Entering Air DB: 80.0 F
Evaporator Entering Air WB: 67.0 F
Entering Air Enthalpy: 31.44 BTU/lb
Evaporator Leaving Air DB: 54.7 F
Evaporator Leaving Air WB: 54.0 F
Evaporator Leaving Air Enthalpy: 22.55 BTU/lb
Gross Cooling Capacity: 119.96 MBH
Gross Sensible Capacity: 81.98 MBH
Compressor Power Input: 9.07 kW
Coil Bypass Factor: 0.041

Heating Performance

Heating Airflow: 3000 CFM
Entering Air Temp: 70.0 F
Leaving Air Temp: 82.6 F
Electric Heating Capacity: 12.00 kW

Supply Fan

External Static Pressure: 0.50 in wg
Options / Accessories Static Pressure
Electric Heaters: 0.05 in wg
Total Application Static (ESP + Unit Opts/Acc.): 0.55 in wg
Fan RPM: 1354
Fan Power: 0.86 BHP
NOTE: Selected IFM RPM Range: 1181 - 2000

Selection includes construction throwaway filter into the base fan curve. This filter is not MERV Rated.

Electrical Data

Voltage Range: 187 - 253
Compressor #1 RLA: 15.6
Compressor #1 LRA: 110
Compressor #2 RLA: 15.6
Compressor #2 LRA: 110
Actual Electric Heater kW: 12
Electric Heater FLA: 33.4
Indoor Fan Motor Type: MED
Indoor Fan Motor FLA: 6.4
Power Supply MCA: 50
Power Supply MOCP (Fuse or HACR): 60

Performance Summary For UNIT-4

Project: City of Margate bid package
Prepared By:

08/02/2022
09:39AM

Disconnect Size FLA:.....47
Disconnect Size LRA:.....237
Electrical Convenience Outlet:.....None
Outdoor Fan [Qty / FLA (ea)]:.....2 / 1.5
Electric Heater Part Number:.....412A
Electric Heater Number of Stages:.....1

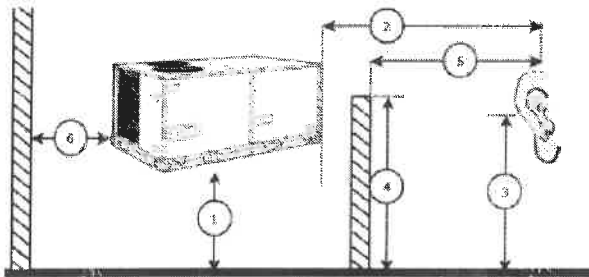
Control Panel SCCR: 5kA RMS at Rated Symmetrical Voltage

Acoustics

Sound Power Levels, db re 10E-12 Watts

	Discharge	Inlet	Outdoor
63 Hz	89.5	85.3	85.6
125 Hz	82.5	76.2	84.7
250 Hz	66.5	63.3	80.5
500 Hz	65.5	62.6	76.0
1000 Hz	62.5	60.2	72.4
2000 Hz	60.1	54.6	68.0
4000 Hz	60.3	51.8	62.8
8000 Hz	54.8	46.4	59.3
A-Weighted	71.3	66.7	79.0

Advanced Acoustics



Advanced Acoustics Parameters

- Unit height above ground:.....30.0 ft
- Horizontal distance from unit to receiver:.....50.0 ft
- Receiver height above ground:.....5.7 ft
- Height of obstruction:.....0.0 ft
- Horizontal distance from obstruction to receiver:.....0.0 ft
- Horizontal distance from unit to obstruction:.....0.0 ft

Detailed Acoustics Information

Octave Band Center Freq. Hz	63	125	250	500	1k	2k	4k	8k	Overall
A	85.6	84.7	80.5	76.0	72.4	68.0	62.8	59.3	89.2 Lw
B	59.4	68.6	71.9	72.8	72.4	69.2	63.8	58.2	78.5 LwA
C	53.2	52.3	48.1	43.6	40.0	35.6	30.4	26.9	56.8 Lp
D	27.0	36.2	39.5	40.4	40.0	36.8	31.4	25.8	46.1 LpA

Legend

A Sound Power Levels at Unit's Acoustic Center, Lw

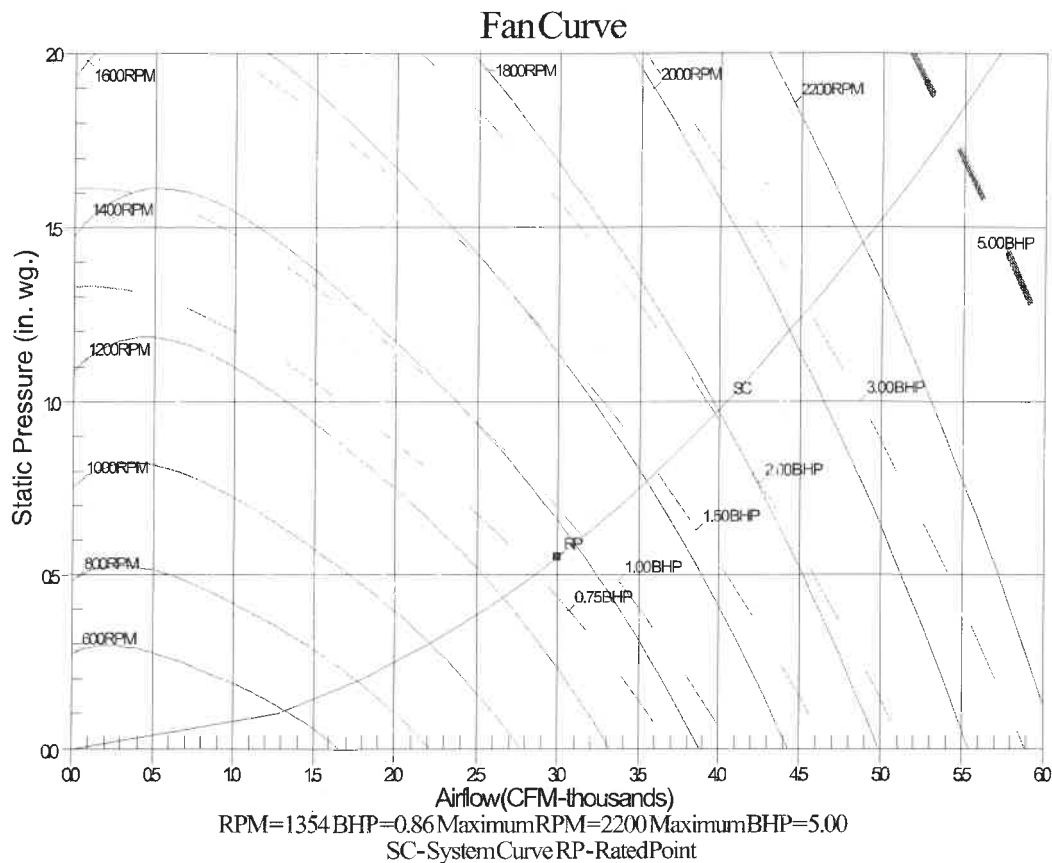
Performance Summary For UNIT-4

Project: City of Margate bid package
Prepared By:

08/02/2022
09:39AM

B A-Weighted Sound Power Levels at Unit's Acoustic Center, LwA
C Sound Pressure Levels at Specific Distance from Unit, Lp
D A-Weighted Sound Pressure Levels at Specific Distance from Unit, LpA

Calculation methods used in this program are patterned after the ASHRAE Guide; other ASHRAE Publications and the AHRI Acoustical Standards. While a very significant effort has been made to insure the technical accuracy of this program, it is assumed that the user is knowledgeable in the art of system sound estimation and is aware of the tolerances involved in real world acoustical estimation. This program makes certain assumptions as to the dominant sound sources and sound paths which may not always be appropriate to the real system being estimated. Because of this, no assurances can be offered that this software will always generate an accurate sound prediction from user supplied input data. If in doubt about the estimation of expected sound levels in a space, an Acoustical Engineer or a person with sound prediction expertise should be consulted.



UNIT-5

Project: City of Margate bid package
Prepared By:

08/02/2022
09:39AM

UNIT-5

Tag Cover Sheet Unit Report Certified Drawing Performance Report

Unit Report For UNIT-5

Project: City of Margate bid package
Prepared By:

08/02/2022
09:39AM

Unit Parameters

Unit Model: 50FC-A05A2B5-0A0A0
Unit Size: 05 (4 Tons)
Volts-Phase-Hertz: 208-3-60
Heating Type: Electric
Duct Cfg: Vertical Supply / Vertical Return
Single Stage Compressor Models

Dimensions (ft. in.) & Weight (lb.) ***

Unit Length: 6' 2.375"
Unit Width: 3' 10.625"
Unit Height: 2' 9.375"
*** Total Operating Weight: 518 lb

*** Weights and Dimensions are approximate. Weight does not include unit packaging. Approximate dimensions are provided primarily for shipping purposes. For exact dimensions and weights, refer to appropriate product data catalog.

Lines and Filters

Return Air Filter Type: Throwaway
Return Air Filter Quantity: 2
Return Air Filter Size: 16 x 25 x 2

Selection includes construction throwaway filter into the base fan curve. This filter is not MERV Rated.

Unit Configuration

Direct Drive - EcoBlue - Medium Static
Precoat Al/Cu - Al/Cu
Base Electro-mechanical controls
Standard Packaging

Warranty Information

5-Year compressor parts (STD.)
1-Year parts (STD.)

No optional warranties were selected.




NOTE: Please see Warranty Catalog 500-089 for explanation of policies and ordering methods.

Ordering Information

Part Number	Description	Quantity
50FC-A05A2B5-0A0A0	Rooftop Unit	1
	Base Unit	
	Direct Drive - EcoBlue - Medium Static	
	Precoat Al/Cu - Al/Cu	
	None	
Field Installed Accessories		
CRHEATER328A00	Electric Heater	1
CRSINGLE037A00	Single Point Kit	1

Project: City of Margate bid package
Prepared By:

NOTES:

1. DIMENSIONS ARE IN INCHES. DIMENSIONS IN [] ARE IN MILLIMETERS.
2.  CENTER OF GRAVITY
3.  DIRECTION OF AIR FLOW
4.  ALL VIEW DRAWN USING 3RD ANGLE

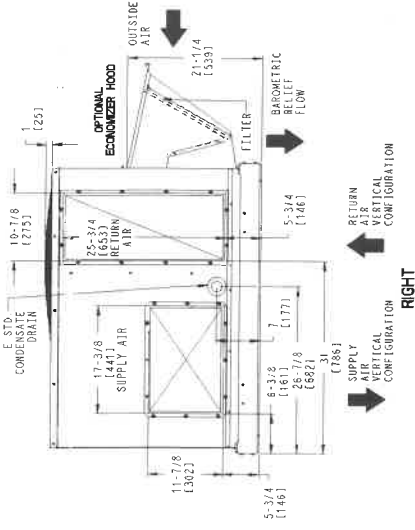
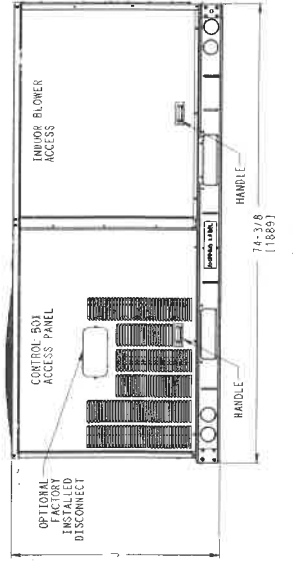
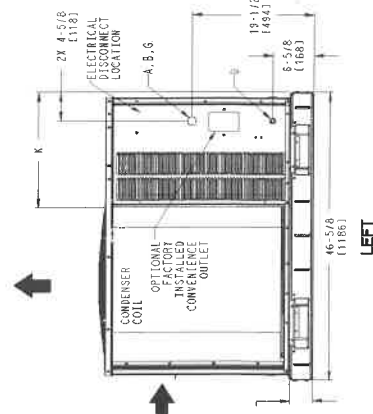
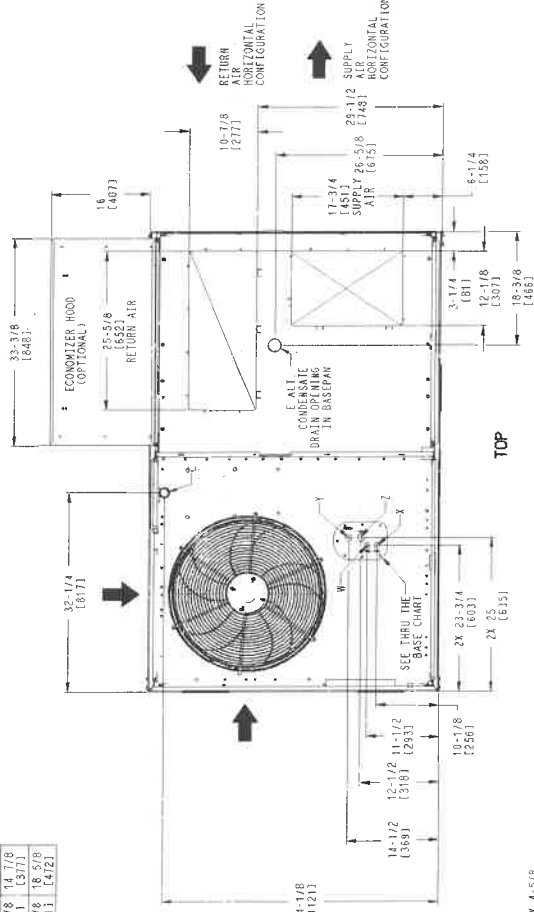
UNIT	J	K
S0FC**04	33 3/8 [847]	18 5/8 [472]
S0FC**05	33 3/8 [847]	14 7/8 [377]
S0FC**06	33 3/8 [847]	14 7/8 [377]
S0FC**07	41 3/8 [1051]	18 5/8 [472]



THIS DOCUMENT IS THE PROPERTY OF UTC CLIMATE CONTROLS & SECURITY AND IS BELIEVED UPON THE EXPRESS CONDITION THAT THE CONTROLS WILL NOT BE DISCLOSED OR USED WITHOUT WRITTEN CONSENT.

CONNECTION SIZES	
A	1 3/8" (35) DIA FIELD POWER SUPPLY HOLE
B	2" (51) DIA POWER SUPPLY KNOCKOUT
C	1 3/4" (44) DIA GAUGE ACCESS PLUG
D	1 1/8" (32) DIA FIELD CONTROL WIRING HOLE
E	3/4" - 1 1/4 NPT CONDENSATE DRAIN
G	2 1/2" (64) DIA POWER SUPPLY KNOCK-OUT

THRU-TIE-BASE FLARE THRU-TIE-BASE FLARE C6816006A01, 10494-00			THRU-TIE-BASE FLARE THRU-TIE-BASE FLARE C6816006A01, 10494-00		
	THREADED CONDITION 311C	WIRE SIZE	REQ'D BOLT SIZE	REQ'D BOLT SIZE	REQ'D BOLT SIZE
N	1/2"	11/32"	7/8"	1/2"	1/2"
T	1/2"	24V	7/8"	1/2"	1/2"
Y	3/4"	POWER 1	1/8"	1/2"	1/2"
Z	00900002 1/2"	GAS 1	1/8"	1/2"	1/2"
FOR "THRU-TIE-BASE" FACTORY OPTION FITTINGS FOR ONLY X, Y, & Z ARE PROVIDED					
	* SELECT EITHER 3/4" OR 1/2"				
	FOR POWER, DEPENDING ON WIRE SIZE				
	* (00800003) PROVIDES 3/4" FPI THRU CURB FLANGE & FITTING				



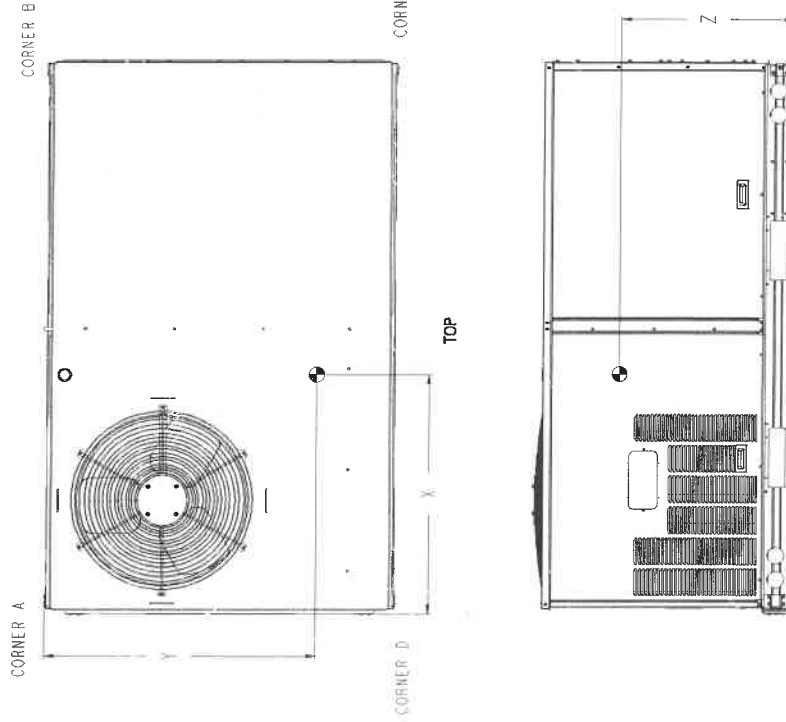
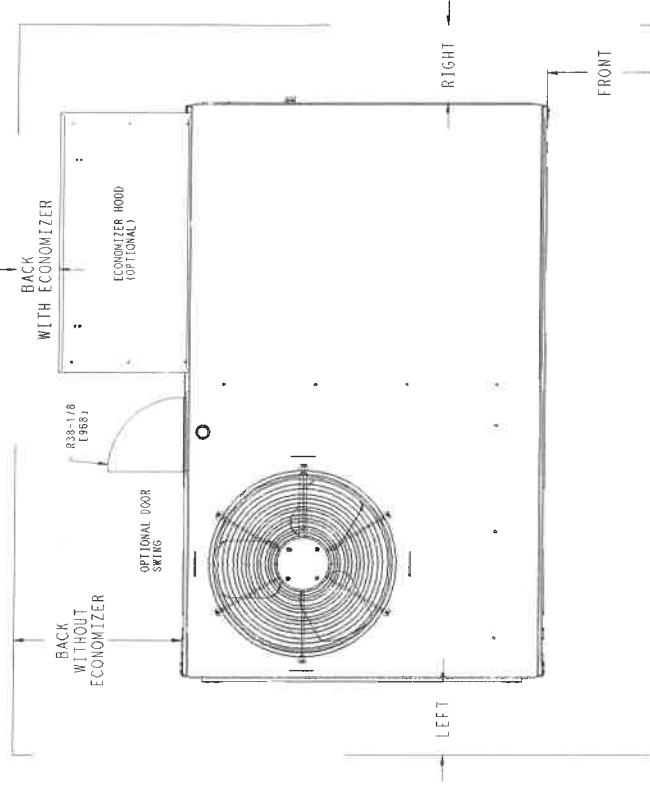
ITC CLASSIFICATION	SHEET	DATE	SUPERSEDES	REV
U. S. ECCN NSR	1 OF 3	09.07.18	50FC 04-07 SINGLE PACKAGE ELECTRICAL COOLING WITH ELECTRIC HEAT	A
				48TC003094

Project: City of Margate bid package
Prepared By:

	<p>THIS DOCUMENT IS THE PROPERTY OF UTC CLIMATE, CONTROLS & SECURITY AND IS DELIVERED UPON THE EXPRESS CONDITION THAT THE CONTENTS WILL NOT BE DISCLOSED OR USED WITHOUT WRITTEN CONSENT.</p>	<p>SUBMISSION OF THESE DRAWINGS OR DOCUMENTS DOES NOT CONSTITUTE PARTY PERFORMANCE OR ACCEPTANCE CONTRACT.</p>
---	---	--

UNIT	STD. UNIT	CORNER WEIGHT (A)	CORNER WEIGHT (B)	CORNER WEIGHT (C)	CORNER WEIGHT (D)	C. 6.		Z			
	LBS.	KG.	LBS.	KG.	LBS.	KG.	X	Y	HEIGHT		
50FC+004	437	198	110	50	107	49	112	51	38.5/8.1930/1	23.9/16.1388	18.1/2.1410
50FC+005	498	228	136	62	124	56	114	52	35.1/2.1802/1	22.2/8.1568	18.1/4.1464
50FC+006	511	232	139	63	127	58	117	53	32.5/1.9821/1	22.3/8.1580	18.1/4.1464
50FC+007	562	255	154	70	137	62	117	52	35.1/2.1802	22.1/8.1568	18.1/2.1410
50FC+008	562	255	154	70	137	62	117	53	35.1/2.1802	22.1/8.1568	18.1/2.1410

▲ STANDARD UNIT WEIGHT IS WITHOUT ELECTRIC HEAT AND WITHOUT PACKAGING. FOR OTHER OPTIONS AND ACCESSORIES, REFER TO THE PRODUCT DATA CATALOG.



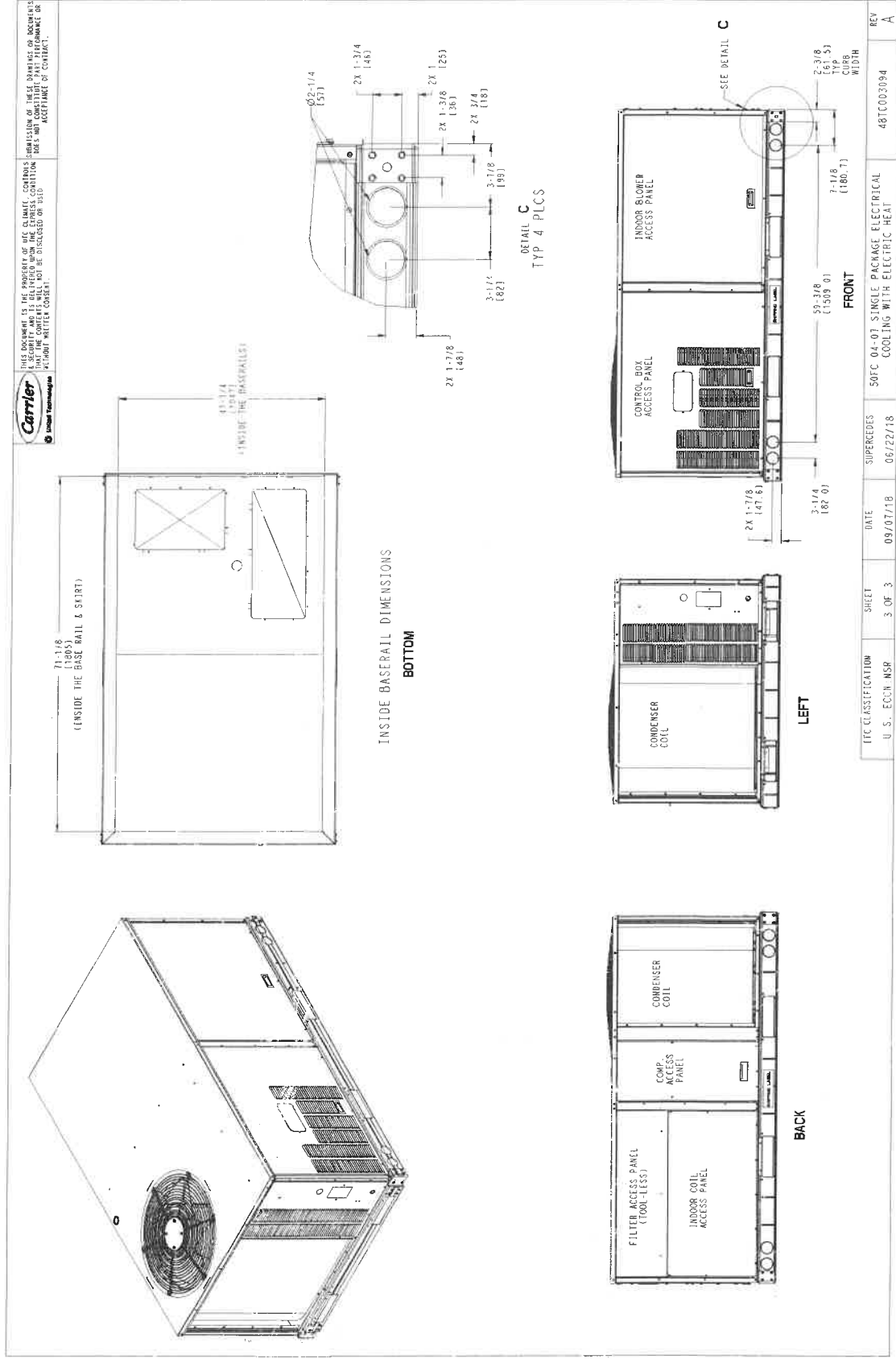
1. FOR ALL MINIMUM CLEARANCES LOCAL CODES OR JURISDICTIONS MAY PREVAIL

ITC CLASSIFICATION	SHEET	DATE	SUPERSEDES	CLEARANCE			OPERATING CLEARANCE	REV
				SURFACE	SERVICE WITH CONDUCTIVE BARRIER	SERVICE WITH NONCONDUCTIVE BARRIER		
U. S. - ECCM - MSR	2 OF 3	09/07/18	50FC 04-07 SINGLE PACKAGE ELECTRICAL COOLING WITH ELECTRIC HEAT	FRONT	48 [1219mm]	36 [914mm]	18 [457mm]	A
				LEFT	48 [1219mm]	42 [1067mm]	18 [457mm]	
				BACK W/O ECON	48 [1219mm]	42 [1067mm]	18 [457mm]	
				BACK W/ECON	36 [914mm]	36 [914mm]	18 [457mm]	
				RIGHT	36 [914mm]	36 [914mm]	18 [457mm]	
				TOP	72 [1829mm]	72 [1829mm]	72 [1829mm]	

Certified Drawing for UNIT-5

Project: City of Margate bid package
Prepared By:

08/02/2022
09:39AM



Performance Summary For UNIT-5

Project: City of Margate bid package
Prepared By:

08/02/2022
09:39AM

Part Number: 50FC-A05A2B5-0A0A0

ARI SEER: 14.00

Base Unit Dimensions

Unit Length: 74.4 in
Unit Width: 46.6 in
Unit Height: 33.4 in

Operating Weight

Base Unit Weight: 498 lb

Accessories

Electric Heater: 10 lb
Single Point Kit: 10 lb

Total Operating Weight: 518 lb

Unit

Unit Voltage-Phase-Hertz: 208-3-60
Air Discharge: Vertical
Fan Drive Type: Vane Axial
Actual Airflow: 2000 CFM
Site Altitude: 0 ft

Cooling Performance

Condenser Entering Air DB: 95.0 F
Evaporator Entering Air DB: 80.0 F
Evaporator Entering Air WB: 67.0 F
Entering Air Enthalpy: 31.44 BTU/lb
Evaporator Leaving Air DB: 62.5 F
Evaporator Leaving Air WB: 59.4 F
Evaporator Leaving Air Enthalpy: 25.97 BTU/lb
Gross Cooling Capacity: 49.24 MBH
Gross Sensible Capacity: 37.88 MBH
Compressor Power Input: 3.46 kW
Coil Bypass Factor: 0.155

Heating Performance

Heating Airflow: 2000 CFM
Entering Air Temp: 70.0 F
Leaving Air Temp: 89.0 F
Electric Heating Capacity: 12.00 kW

Supply Fan

External Static Pressure: 0.50 in wg
Options / Accessories Static Pressure
Electric Heaters: 0.23 in wg
Total Application Static (ESP + Unit Opts/Acc.): 0.73 in wg
Fan RPM: 1971
Fan Power: 0.81 BHP
NOTE: Selected IFM RPM Range: 217 - 2170

Selection includes construction throwaway filter into the base fan curve. This filter is not MERV Rated.

Electrical Data

Voltage Range: 187 - 253
Compressor #1 RLA: 13.7
Compressor #1 LRA: 83
Actual Electric Heater kW: 12
Electric Heater FLA: 33.4
Indoor Fan Motor Type: MED

Performance Summary For UNIT-5

Project: City of Margate bid package
Prepared By:

08/02/2022
09:39AM

Indoor Fan Motor FLA:	7.1
Power Supply MCA:	51
Power Supply MOCP (Fuse or HACR):	60
Disconnect Size FLA:	47
Disconnect Size LRA:	97
Electrical Convenience Outlet:	None
Outdoor Fan [Qty / FLA (ea)]:	1 / 1.5
Electric Heater Part Number:	328A
Electric Heater Number of Stages:	1

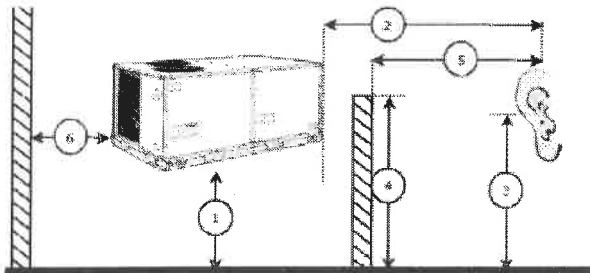
Control Panel SCCR: 5kA RMS at Rated Symmetrical Voltage

Acoustics

Sound Power Levels, db re 10E-12 Watts

	Discharge	Inlet	Outdoor
63 Hz	90.8	88.3	85.6
125 Hz	81.8	77.8	84.7
250 Hz	75.8	71.0	80.5
500 Hz	72.8	64.4	76.0
1000 Hz	69.2	67.0	72.4
2000 Hz	66.7	58.2	68.0
4000 Hz	63.1	51.4	62.8
8000 Hz	59.5	45.9	59.3
A-Weighted	75.9	70.9	79.0

Advanced Acoustics



Advanced Acoustics Parameters

1. Unit height above ground: 30.0 ft
2. Horizontal distance from unit to receiver: 50.0 ft
3. Receiver height above ground: 5.7 ft
4. Height of obstruction: 0.0 ft
5. Horizontal distance from obstruction to receiver: 0.0 ft
6. Horizontal distance from unit to obstruction: 0.0 ft

Detailed Acoustics Information

Octave Band Center Freq. Hz	63	125	250	500	1k	2k	4k	8k	Overall
A	85.6	84.7	80.5	76.0	72.4	68.0	62.8	59.3	89.2 Lw
B	59.4	68.6	71.9	72.8	72.4	69.2	63.8	58.2	78.5 LwA
C	53.2	52.3	48.1	43.6	40.0	35.6	30.4	26.9	56.8 Lp
D	27.0	36.2	39.5	40.4	40.0	36.8	31.4	25.8	46.1 LpA

Performance Summary For UNIT-5

Project: City of Margate bid package

Prepared By:

08/02/2022

09:39AM

Legend

A Sound Power Levels at Unit's Acoustic Center, Lw

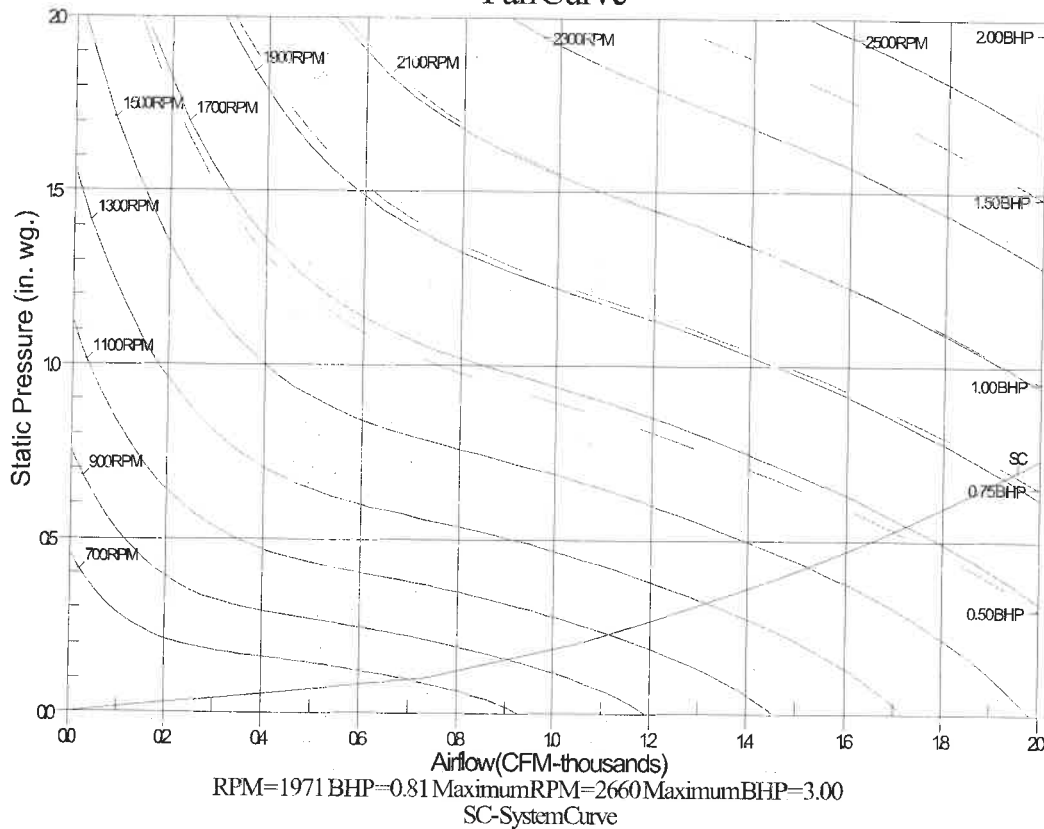
B A-Weighted Sound Power Levels at Unit's Acoustic Center, LwA

C Sound Pressure Levels at Specific Distance from Unit, Lp

D A-Weighted Sound Pressure Levels at Specific Distance from Unit, LpA

Calculation methods used in this program are patterned after the ASHRAE Guide; other ASHRAE Publications and the AHRI Acoustical Standards. While a very significant effort has been made to insure the technical accuracy of this program, it is assumed that the user is knowledgeable in the art of system sound estimation and is aware of the tolerances involved in real world acoustical estimation. This program makes certain assumptions as to the dominant sound sources and sound paths which may not always be appropriate to the real system being estimated. Because of this, no assurances can be offered that this software will always generate an accurate sound prediction from user supplied input data. If in doubt about the estimation of expected sound levels in a space, an Acoustical Engineer or a person with sound prediction expertise should be consulted.

FanCurve



UNIT-2

Project: City of Margate bid package
Prepared By:

08/02/2022
09:39AM

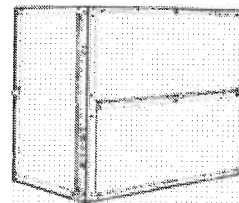
UNIT-2

**Tag Cover Sheet
Unit Report
Performance Report
Acoustic Summary
Certified Drawing**

Unit Report For UNIT-2

Project: City of Margate bid package
Prepared By:

08/02/2022
09:39AM



Outdoor Unit Parameters

Unit Quantity: 1
Unit Model: 38AUZ
Unit Size: 6 Tons
Voltage: 460-3-60 V-Ph-Hz
Condenser Coil: Pre Coated Al/Cu
No. of DX Circuits: 1
No. of Stages: Dual Stage

Indoor Unit Parameters

Unit Model: 40RUA
Unit Size: 6 Tons
No. of Coils: 1
Voltage: 230-3-60 V-Ph-Hz

System Parameter

System Quantity: 1
Refrigerant Type: PURON
Compressor Quantity: 1
Compressor Type: Scroll
Std. Capacity Steps: 100
No. of Outdoor fans: 2

Outdoor Unit Dimensions and Weight

Unit Length: 4' 11.4"
Unit Width: 3' 9.9"
Unit Height: 3' 6.4"
Unit Shipping Weight: 389 lb
Unit Operating Weight: 389 lb

Indoor Unit Dimensions and Weight

Unit Length: 4' 1.0"
Unit Width: 2' 4.2"
Unit Height: 4' 8.1"
Unit Shipping Weight: 399 lb
Unit Operating Weight: 399 lb
Add Service Clearance for Accy Heater: 2' 6.0"

Warranty Information Outdoor (Note: for US & Canada only)

First Year - Parts Only (Standard)

Warranty Information Indoor (Note: for US & Canada only)

First Year - Parts Only (Standard)

NOTE: Please see Warranty Catalog 808-218 for explanation of policies and ordering methods.

Ordering Information

Part Number	Description	Quantity
Base Unit - Outdoor		
38AUZD07A0B6-0A0A0		1
	Base Unit	
	Pre Coated Al/Cu Condensing Coil	1
	Single Circuit, 2 stage (07 & 08 only) Refrigerant Options	1
	Service Options - None	1
	Electrical Options - None	1
	Packaging Options - Standard	1
	Standard Electrical Mechanical Controls	1

Unit Report For UNIT-2

Project: City of Margate bid package
Prepared By:

08/02/2022
09:39AM

	Refrig Circ/Compressor Staging - Single Circ/Dual Stage (size 07 & 08 only)	1
Base Unit - Indoor		
40RUAA07T2A5-0A0A0		1
	Base Unit	
	Std Static, Std Effy Motor/ Medium Drive	1
	Cabinet Paint - None	1
	2-Speed Fan Controller (VFD)	1
CAELHEAT004A00	10.0 kW, 240-3-60 Electric Heater	1

The 38AUZ/AUD are furnished with filter drier which is factory provided (field installed). Additional filter driers can be purchased separately through RCD (Replacement Components Division). See the Product Library for Replacement Filter Drier Information for more information.

Performance Summary For UNIT-2

Project: City of Margate bid package
Prepared By:

08/02/2022
09:39AM

System: **38AUZ007/40RUA007**
No. of Stages: **Dual Stage**
System Quantity: **1**
Altitude: **0.0** ft
EER @ ARI Conditions: **12.0**
IEER: **14.0**
Suction Line Loss: **1.4** °F
 System meets ASHRAE 90.1-2016 min IEER requirement.

This system has a combined part load efficiency (IEER) that meets or exceeds the US DOE 2018 minimum cooling efficiency standards.

Typical Liquid and Suction Line Sizing

Pipe Length	Liquid Line Size	Suction Line Size
0 - 25	3/8	7/8
26 - 50	1/2	1 1/8
51 - 75	5/8	1 1/8
76 - 100	5/8	1 1/8
101 - 125	5/8	1 1/8
126 - 150	5/8	1 1/8
151 - 175	5/8	1 1/8
176 - 200	5/8	1 1/8

Refer to the 38AU installation instructions for installation specific line sizing guidance

Outdoor Unit Parameters

Unit Quantity: 1
 PartNumber: **38AUZD07A0B6-0A0A0**
 Unit Model: **38AUZ**
 Unit Size: **6 Tons**
 Condenser Coil: **Pre Coated Al/Cu**
 No. of DX Circuits: 1
 Voltage: **460-3-60** V-Ph-Hz
 Clg Ent Air DB: **95.0** °F

Outdoor Electrical Data

Unit Voltage: **460-3-60** V-Ph-Hz
 Unit MCA: **13.0** Amps
 Unit MOC: **20.0** Amps
 Total Compressor Power of Unit: **NA**
 Voltage Range Min: **414** V
 Voltage Range Max: **506** V
 Compressor RLA: **8.4**
 Compressor LRA: **66**
 Compressor Quantity: 1
 Fan Motors Qty: 2
 Fan Motor FLA: **0.8** Amps

Notice: Outdoor unit elect. data is based on 460-3-60
 Control Panel SCCR: 5kA RMS at Rated Symmetrical Voltage
 *Single Circuit, Two-Stage Compressor Option

Indoor Unit Parameters

PartNumber: **40RUA007T2A5-0A0A0**
 Unit Model: **40RUA**
 Unit Size: **6 Tons**
 Coil Rows: 4
 No. of Splits: 1
 Voltage: **230-3-60** V-Ph-Hz
 Actual Airflow: **3000.0** CFM

Performance Summary For UNIT-2

Project: City of Margate bid package
Prepared By:

08/02/2022
09:39AM

Standard Airflow:	3000.0	CFM
Total Clg Cap.(Gross):	76.0	MBH
Sensible Clg Cap.(Gross):	64.6	MBH
Ent Air DB:	80.0	°F
Ent Air WB:	67.0	°F
Ent Enthalpy:	31.44	BTU/lb
Lvg Air DB:	60.1	°F
Lvg Air WB:	59.2	°F
Lvg Enthalpy:	25.81	BTU/lb
Coil Bypass Factor:	NA	

Accessory Heating

Heating Type:	Electric	
Acc Htg Capacity:	31.34	MBH
Acc Htg Ent. Air Temp:	60.0	°F
Acc Htg Lvg. Air Temp:	69.7	°F
Acc Heater Nominal Voltage:	240-3-60	
Acc Heater Nominal kW:	10.0	kW
Acc Heater Actual Voltage:	230-3-60	
Acc Heater FLA:	23.1	amps
Acc Stage 1 Actual kW:	9.2	kW
Acc Stage 2 Actual kW:	0.0	kW

Indoor Supply Fan

***Using 2-Speed Fan Controller (VFD)

Indoor Unit External Static:	1.00	in wg
Economizer Loss:	0.00	in wg
Grille Loss:	0.00	in wg
Plenum Loss:	0.00	in wg
Acc. Heating Loss:	0.10	in wg
Total Ext Static:	1.10	in wg
Fan Speed:	937	RPM
Fan Power:	1.69	BHP
Fan Motor Max:	2.40	BHP
Fan Motor FLA:	7.1	Amps
Motor and Medium Static Drive Required.		
Selected Medium Static Drive Range: 733 - 949 RPM		

Indoor Electrical Data

Unit Voltage:	230-3-60	V-Ph-Hz
Unit MCA:	38.9	Amps
Unit MOCP:	40.0	Amps
Notice: Indoor unit elect. data is based on 230-3-60		

Acoustics

Sound Power Levels, db re 10E-12 Watts

A-Weighted	Outdoor Unit (dB)	Indoor Unit (dB,Ducted)
Total Level	84.6	86.3
63Hz	63.1	67.0
125Hz	68.9	73.1
250Hz	73.4	76.6
500Hz	79.5	81.0
1000Hz	80.2	80.2
2000Hz	76.4	79.4
4000Hz	72.0	75.2
8000Hz	64.9	NA
Sound Message	Sound for AUZ007	Sound for RUA007

Acoustic Notes:

Performance Summary For UNIT-2

Project: City of Margate bid package
Prepared By:

08/02/2022
09:39AM

1. 38AUZ/D/Q units sound ratings are in accordance with AHRI 270-2008 - Sound Rating of Outdoor Unitary Equipment.
2. 40RU units sound ratings are in accordance with AHSRAE 1987 HVAC Systems and Applications handbook.
3. The acoustic center of the unit is located at the geometric center of the unit.

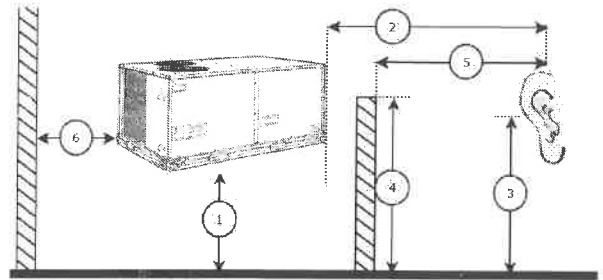
Performance Summary For UNIT-2

Project: City of Margate bid package
Prepared By:

08/02/2022
09:39AM

Advanced Acoustics Parameters

1. Unit height above ground:..... **1.0** ft
2. Horizontal distance from unit to receiver:..... **20.0** ft
3. Receiver height above ground:..... **5.7** ft
4. Height of obstruction:..... **0.0** ft
5. Horizontal dist. from obstruction to receiver:..... **0.0** ft
6. Horizontal dist. from unit to obstruction:..... **0.0** ft



Detailed Acoustics Information

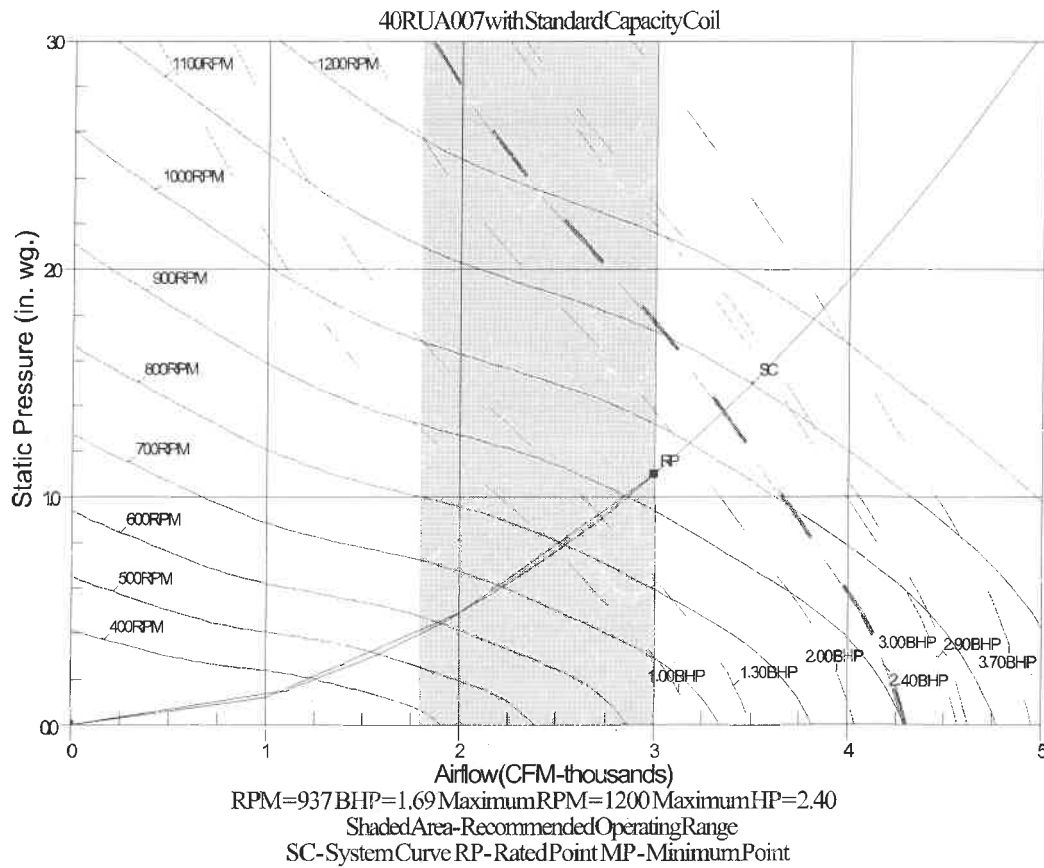
Octave Band Center Frequency, Hz	63	125	250	500	1k	2k	4k	8k	Overall
Sound Power Levels at Unit's Acoustic Center (Lw), dB	89	85	82	83	80	75	71	66	92
A-Wgtd Sound Power Levels at Unit's Acoustic Center (LwA), dBA	63	69	73	80	80	76	72	65	85
Sound Press. Levels at Dist. Specified above (Lp), dB	65	61	58	58	56	51	47	42	68
A-Wgtd Sound Press. Levels at Dist. Specified above (LpA), dBA	39	45	49	55	56	52	48	41	60

Calculation methods used in this program are patterned after the ASHRAE Guide; other ASHRAE Publications and the AHRI Acoustical Standards. While a very significant effort has been made to insure the technical accuracy of this program, it is assumed that the user is knowledgeable in the art of system sound estimation and is aware of the tolerances involved in real world acoustical estimation. This program makes certain assumptions as to the dominant sound sources and sound paths which may not always be appropriate to the real system being estimated. Because of this, no assurances can be offered that this software will always generate an accurate sound prediction from user supplied input data. If in doubt about the estimation of expected sound levels in a space, an Acoustical Engineer or a person with sound prediction expertise should be consulted.

Performance Summary For UNIT-2

Project: City of Margate bid package
Prepared By:

08/02/2022
09:39AM



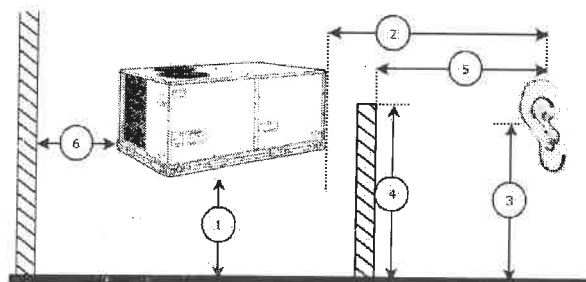
Acoustic Summary For UNIT-2

Project: City of Margate bid package
Prepared By:

08/02/2022
09:39AM

Outdoor Unit Parameters:

Tag Name:..... **UNIT-2**
Unit Model:..... **38AUZ**
Unit Size:..... **6 Tons**
System Type:..... **Dx Cooling Only**
Refrigerant Type:..... **PURON**
Compressor Quantity:..... **1**
Compressor Type:..... **Scroll**



Advanced Acoustics Parameters

1. Unit height above ground:..... **1.0** ft
2. Horizontal distance from unit to receiver:..... **20.0** ft
3. Receiver height above ground:..... **5.7** ft
4. Height of obstruction:..... **0.0** ft
5. Horizontal distance from obstruction to receiver:..... **0.0** ft
6. Horizontal distance from unit to obstruction:..... **0.0** ft

Detailed Acoustics Information

Octave Band Center Frequency, Hz	63	125	250	500	1k	2k	4k	8k	Overall
Sound Power Levels at Unit's Acoustic Center (Lw), dB	89	85	82	83	80	75	71	66	92
A-Wgtd Sound Power Levels at Unit's Acoustic Center (LwA), dBA	63	69	73	80	80	76	72	65	85
Sound Press. Levels at Dist. Specified above (Lp), dB	65	61	58	58	56	51	47	42	68
A-Wgtd Sound Press. Levels at Dist. Specified above (LpA), dBA	39	45	49	55	56	52	48	41	60

Calculation methods used in this program are patterned after the ASHRAE Guide; other ASHRAE Publications and the AHRI Acoustical Standards. While a very significant effort has been made to insure the technical accuracy of this program, it is assumed that the user is knowledgeable in the art of system sound estimation and is aware of the tolerances involved in real world acoustical estimation. This program makes certain assumptions as to the dominant sound sources and sound paths which may not always be appropriate to the real system being estimated. Because of this, no assurances can be offered that this software will always generate an accurate sound prediction from user supplied input data. If in doubt about the estimation of expected sound levels in a space, an Acoustical Engineer or a person with sound prediction expertise should be consulted.

Acoustic Note:

1. 38AUZ/D/Q units sound ratings are in accordance with AHRI 270-2008 - Sound Rating of Outdoor Unitary Equipment.
2. The acoustic center of the unit is located at the geometric center of the unit.
3. All estimated sound power levels, dB re 1 Picowatt should not be guaranteed or certified as being the actual sound power levels.

Acoustic Note:

1. Estimated Sound Power levels - dB re: 1 picowatt
2. Estimated Sound Pressure levels - dB re: 20 micropascal
3. Estimated sound levels given above are assumed to originate at the acoustic center of the unit. The acoustic center of the unit is located at the projection of the condensing unit's geometric center of its base.

4. Sound power levels shown above were determined in accordance with ARI standard 370 for large outdoor refrigeration and air conditioning equipment.

5. Calculation methods used in this program are patterned after the ASHRAE Guide; other ASHRAE Publications and the ARI Acoustical Standards. While a very significant effort has been made to insure the technical accuracy of this program, it is assumed that the user is knowledgeable in the art of system sound estimation and is aware of the tolerances involved in real world acoustical estimation. This program makes certain assumptions as to the dominant sound sources and sound paths which may not always be appropriate to the real system being estimated. Because of this, no assurances can be offered that this software will always generate an accurate sound prediction from user supplied input data. If in doubt about the estimation of expected sound levels in a space, an Acoustical Engineer or a person with sound prediction expertise should be consulted.

Acoustic Summary For UNIT-2

Project: City of Margate bid package
Prepared By:

08/02/2022
09:39AM

Indoor Unit Parameters:

Tag Name:.....UNIT-2
Unit Model:.....40RUA
Unit Size:.....6 Tons
System Type:.....Dx Cooling Only
External Static Pressure:.....1.10 in wg
Fan Speed:.....937 RPM
Fan BHP:.....1.69 BHP

Detailed Acoustics Information

Octave Band Center Frequency, Hz	31	63	125	250	500	1k	2k	4k	8k	Total
Sound Power,dB	NA	93	89	85	84	80	78	74	NA	96
A-Weighted Sound Power, dBA	NA	67	73	77	81	80	79	75	NA	86

Acoustic Notes:

1. 40RU units sound ratings are in accordance with AHSRAE 1987 HVAC Systems and Applications handbook.
2. The acoustic center of the units is located at the geometric center of the unit.
3. All estimated sound power levels, dB re 1 Picowatt should not be guaranteed or certified as being the actual sound power levels.

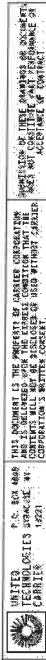
Certified Drawing for UNIT-2

Project: City of Margate bid package

Prepared By:

08/02/2022

09:39AM



UNITED TECHNOLOGIES
CARRIER

P.E. BOX 4869
1/22/21

THIS DOCUMENT IS THE PROPERTY OF CARRIER CORPORATION
AND IS LOANED TO THE CLIENT FOR THE PROJECT ONLY.
IT IS NOT TO BE REPRODUCED OR COPIED WITHOUT CARRIER'S
WRITTEN PERMISSION.

UNIT	ELECTRICAL CHARACTERISTICS	STD. UNIT WT. LBS.	CORNER A LBS.	CORNER B LBS.	CORNER C LBS.	CORNER D LBS.	X	Y	Z	UNIT HEIGHT H								
38A07-07 (MCH)	208/230-3-48, 480-3-60, 575-3-40	378	149	122	59	88	31	82	28	70	32	21	1333.41	19	1482.03	13	1330.21	42-3/8 (1076.0)
38A07-08 (MCH)	208/230-3-48, 480-3-60, 575-3-40	353	169	138	63	92	33	85	29	76	35	21	1362.61	23	1584.23	13	1330.21	42-3/8 (1076.0)
38A07-12 (MCH)	208/230-3-48, 480-3-60, 575-3-40	418	190	165	75	85	33	78	35	80	41	23	1584.21	20	1588.43	15	1381.01	50-9/8 (1279.2)
38A07-14 (MCH)	208/230-3-48, 480-3-60, 575-3-40	431	196	162	73	83	37	92	42	95	43	19	1482.03	23	1584.23	15	1381.01	50-9/8 (1279.2)
38A07-16 (MCH)	208/230-3-48, 480-3-60, 575-3-40	499	226	193	88	133	50	72	38	123	56	20	1508.01	23	1584.23	15	1381.01	50-9/8 (1279.2)
38A07-17 (RTFF)	208/230-3-48, 480-3-60, 575-3-40	369	176	141	64	96	44	62	28	91	41	18	1457.21	24	1609.43	21	1333.41	42-3/8 (1076.0)
38A07-18 (RTFF)	208/230-3-48, 480-3-60, 575-3-40	391	172	142	64	96	44	62	28	91	41	18	1457.21	24	1609.43	21	1333.41	42-3/8 (1076.0)
38A07-19 (RTFF)	208/230-3-48, 480-3-60, 575-3-40	410	195	142	64	96	44	76	34	111	50	19	1457.21	24	1609.43	21	1333.41	42-3/8 (1076.0)
38A07-21 (RTFF)	208/230-3-48, 480-3-60, 575-3-40	499	222	177	80	120	54	78	35	114	52	19	1457.21	24	1609.43	24	1609.43	50-9/8 (1279.2)
38A07-22 (RTFF)	208/230-3-48, 480-3-60, 575-3-40	516	231	195	85	142	64	119	30	151	68	20	1508.01	25	1635.03	24	1609.43	50-9/8 (1279.2)
38A07-23 (RTFF)	208/230-3-48, 480-3-60, 575-3-40	598	274	205	84	117	53	83	38	131	59	19	1482.03	25	1635.03	24	1609.43	50-9/8 (1279.2)
38A07-24 (RTFF)	208/230-3-48, 480-3-60, 575-3-40	654	297	214	93	153	70	126	54	163	15	20	1508.01	25	1635.03	24	1609.43	50-9/8 (1279.2)
38A07-25 (RTFF)	208/230-3-48, 480-3-60, 575-3-40	444	201	134	81	97	44	80	41	123	56	22	1508.01	25	1635.03	23	1330.21	42-3/8 (1076.0)
38A07-01	208/230-3-48, 480-3-60, 575-3-40	483	219	162	74	110	50	85	39	125	51	20	1508.01	24	1609.43	21	1333.41	42-3/8 (1076.0)
38A07-04 B08	208/230-3-48, 480-3-60, 575-3-40	523	237	174	79	118	54	96	44	135	61	21	1533.41	24	1609.43	23	1330.21	50-9/8 (1279.2)
38A07-01 B08	208/230-3-48, 480-3-60, 575-3-40	575	261	186	84	126	57	106	49	157	71	21	1533.41	24	1609.43	23	1330.21	50-9/8 (1279.2)

NOTES:

- MINIMUM CLEARANCE (LOCAL CODES OR JURISDICTION MAY PREVAIL):
 - BOTTOM TO COMBUSTIBLE SURFACES: 0 INCHES
 - OUTDOOR COIL: FOR PROPER AIR FLOW: 36 INCHES
 - ONE SIDE, 12 INCHES; THE OTHER, THE SIDE GETTING THE GREATER CLEARANCE IS OPTIONAL. STANDARD CLEARANCES ON REMAINING TWO SIDES:
 - OVERHEAD: 60 INCHES, TO ASSURE PROPER OUTDOOR FAN OPERATION
 - BETWEEN UNITS: CONTROL BOX SIDE, 42 INCHES PER NEC
 - BETWEEN UNIT AND UNGROUNDED SURFACES: CONTROL BOX SIDE, 36 INCHES PER NEC
 - BETWEEN UNIT AND BLOCK OR CONCRETE WALLS AND OTHER GROUNDED SURFACES: CONTROL BOX SIDE, 42 INCHES PER NEC
- WITH EXCEPTION OF THE CLEARANCE FOR THE OUTDOOR COIL AS STATED IN NOTE 1B, A REMOVABLE FENCE OR BARRICADE REQUIRES NO CLEARANCE.
- UNITS MAY BE INSTALLED ON COMBUSTIBLE FLOORS MADE FROM WOOD OR CLASS A, B OR C ROOF COVERING MATERIAL.

DATE	SUPPLIES	CONDENSING UNIT	REV
11/10/14	10/20/11	38A07 / 38AUD / 38AUD - 01/08/12/14	H

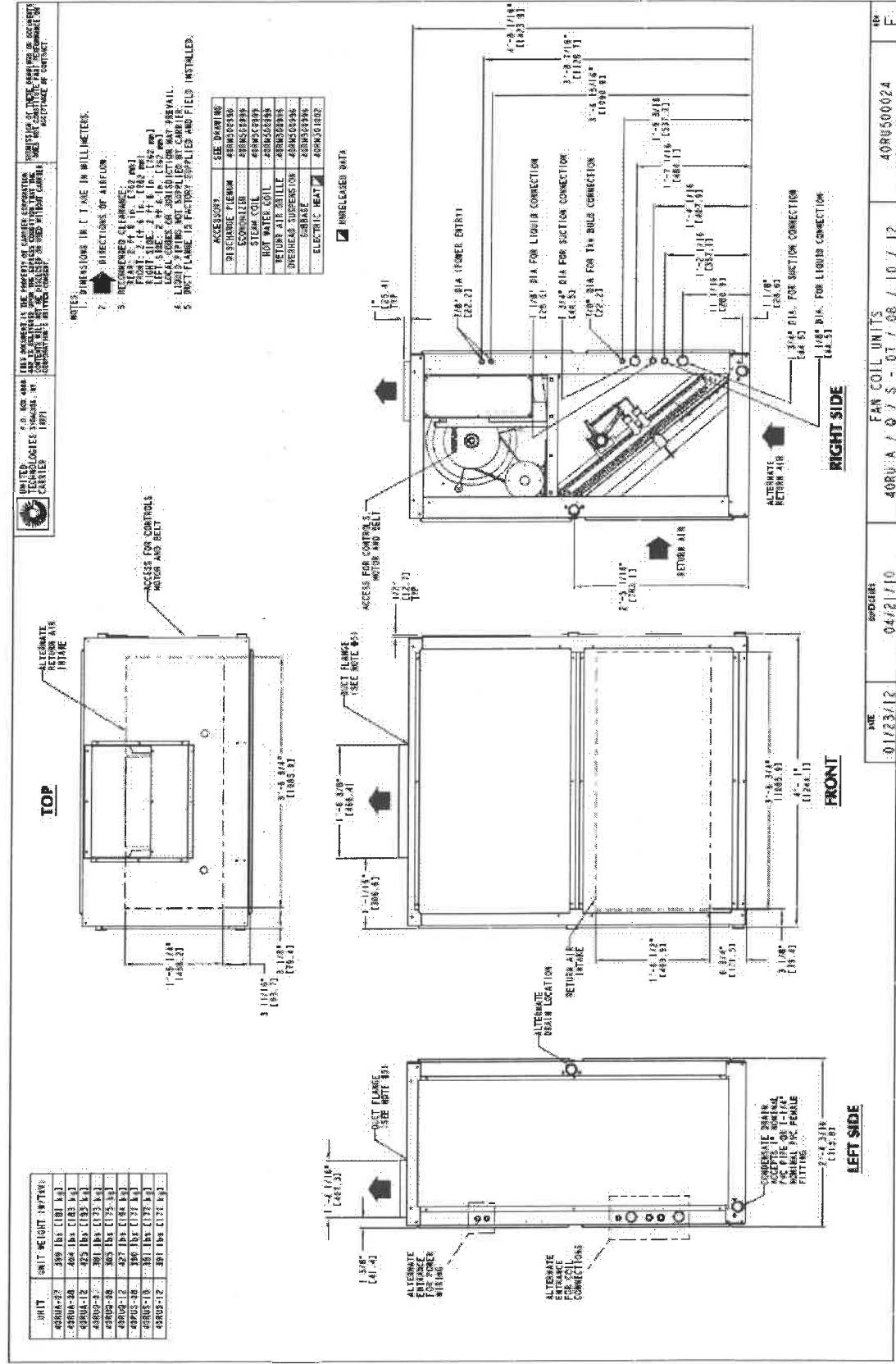
Project: City of Margate bid package
Prepared By:

08/02/2022
09:39AM



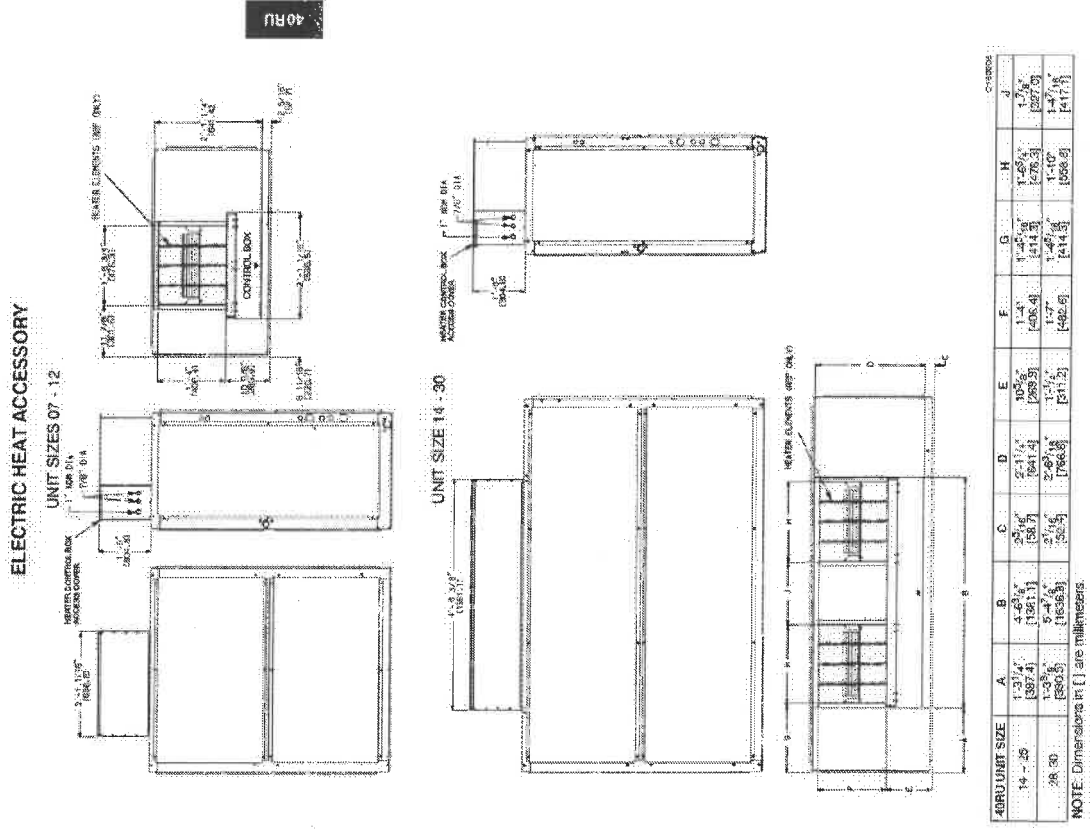
Prepared By:

Commercial Split Systems Builder 1.39w



Certified Drawing for UNIT-2

08/02/2022
09:39AM



UNIT-3

Project: City of Margate bid package
Prepared By:

08/02/2022

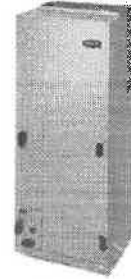
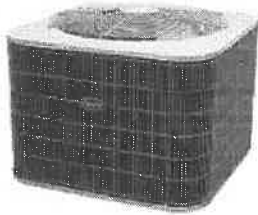
UNIT-3

**Submittal Cover Sheet
Unit Report
Performance Summary Report
Acoustic Summary
Certified Drawings**

Unit Report For UNIT-3

Project: City of Margate bid package
Prepared By:

08/02/2022



Outdoor Unit Parameters

Unit Model:..... **24SCA**
Unit Size:..... **3 Tons (Size 36)**
Voltage:..... **208/230-1-60** V-Ph-Hz

Indoor Coil Parameters

Unit Model:..... **FX4D**
Unit Size:..... **36,000 Btuh (Size 037)**
Cabinet Insulation: **Single-piece cabinet with 1-in. super thick insulation**
Voltage:..... **208-1-60** V-Ph-Hz
Refrigerant Type:..... **Puron**
Heating Size:..... **No Heat**

Outdoor Unit Dimensions and Weight

Unit Length:..... **31.1875** in
Unit Width:..... **31.1875** in
Unit Height:..... **38.875** in
Unit Shipping Weight:..... **169.** lb

Indoor Coil Dimensions and Weight

Unit Length:..... **22.0625** in
Unit Width:..... **21.125** in
Unit Height:..... **49.625** in
Unit Shipping Weight:..... **157.** lb

RESIDENTIAL APPLICATIONS

This warranty is to the original purchasing owner and subsequent owners only to the extent and as stated in the Warranty Conditions and below. The limited warranty period in years, depending on the part and the claimant, is as shown in the table below.

Item	Limited Warranty (Years)	
	Original Owner	Subsequent Owner
Parts	10* (or 5)	5
Compressor	10* (or 5)	5

*If properly registered within 90 days of original installation, otherwise 5 years (except in California and Quebec and other jurisdictions that prohibit warranty benefits conditioned on registration). See Warranty Conditions below.

OTHER APPLICATIONS

The warranty period is five (5) years on the compressor, and one (1) year on all other parts. The warranty is the original owner only and is not available for subsequent owners.

Ordering Information

Part Number	Description	Quantity
Outdoor Unit		
24SCA536W003	Comfort Single Stage Air Conditioner with Puron Refrigerant 3 Tons Cooling	1
	15 SEER @ ARI Conditions	
Indoor Coil		
FX4DNF037L00	FX4D Comfort Series Fan Coil with Puron 36000 BTU Cooling	1
	208/230-1-60	
	Single-piece cabinet with 1-in. super thick insulation	
	Aluminum	

The Product and Ratings Data in this program is subject to change at any time and without notice. Please refer to the latest product

Unit Report For UNIT-3

Project: City of Margate bid package
Prepared By:

08/02/2022

literature and the AHRI directory at www.ahridirectory.org for the most up-to-date information.

Performance Summary For UNIT-3

Project: City of Margate bid package
Prepared By:

08/02/2022

System Performance

System:	24SCA/FX4D	Actual Clg Airflow:.....	1200.0	CFM
System Quantity:.....	1	Standard Clg Airflow:.....	1200.0	CFM
Altitude:.....	0.0 ft	Total Net Clg Capacity:.....	33.68	MBH
Linear Pipe Length:.....	0.0 ft	Net Sensible Clg Capacity:.....	23.41	MBH
SEER @ ARI Conditions:.....	16.5	Total System Power:.....	2.60	kW
EER @ ARI Conditions:.....	13.5			

System Parameters

Outdoor Unit Parameters

Unit Model:.....	24SCA536W003
Unit Size (Nominal):.....	3 Tons (Size 36)
Voltage:.....	208/230-1-60 V-Ph-Hz
Clg Ent Air DB Ambient:.....	95.0 °F

Indoor Coil Parameters

Unit Model:.....	FX4DNF037L00
Unit Size (Nominal):.....	36,000 Btuh (Size 037)
Voltage:.....	208-1-60 V-Ph-Hz
Ent Air DB:.....	80.00 °F
Ent Air WB:.....	67.00 °F
Ent Enthalpy:.....	31.44 BTU/lb
Lvg Air DB:.....	61.94 °F
Lvg Air WB:.....	58.28 °F
Lvg Enthalpy:.....	25.20 BTU/lb
Heating Size (Nominal):.....	No Heat
Total External Static Pressure:.....	0.50 in wg

Electrical Data

Outdoor Electrical Data

Unit Voltage:.....	208/230-1-60 V-Ph-Hz
Fan Motor FLA:.....	1.40 Amps
MCA:.....	16.7 Amps
Max Fuse:.....	25 Amps
Operating Range Min:.....	197 V
Operating Range Max:.....	253 V
Compressor RLA:.....	12.2 Amps
Compressor LRA:.....	80.1 Amps

Indoor Electrical Data:

(For units with no factory installed electric heaters)

Unit Voltage:.....	208-1-60 V-Ph-Hz
Unit FLA:.....	4.1 Amps
Unit MCA:.....	5.1 Amps
Unit MOCP:.....	15.0 Amps
Unit Min Wire Size:.....	14.0
Motor HP:.....	1/2 HP

Notice: Indoor Elect. data is for 208-1-60 voltage

The Product and Ratings Data in this program is subject to change at any time and without notice. Please refer to the latest product literature and the AHRI directory at www.ahridirectory.org for the most up-to-date information.

Acoustic Summary For UNIT-3

Project: City of Margate bid package
Prepared By:

08/02/2022

Outdoor Unit Parameters:

Unit Model: 24SCA
Unit Size: 3 Tons (Size 36)
Variations: Standard

Octave Band Center Frequency, Hz	125	250	500	1k	2k	4k	8k	dBA
Sound Power,dB	68.9	70.0	70.1	67.0	63.6	60.8	55.6	
A-Weighted Sound Power, dBA								75.0

Indoor Coil Parameters:

Unit Model: FX4D
Unit Size: 36,000 Btuh (Size 037)
Cabinet Insulation: Single-piece cabinet with 1-in. super thick insulation

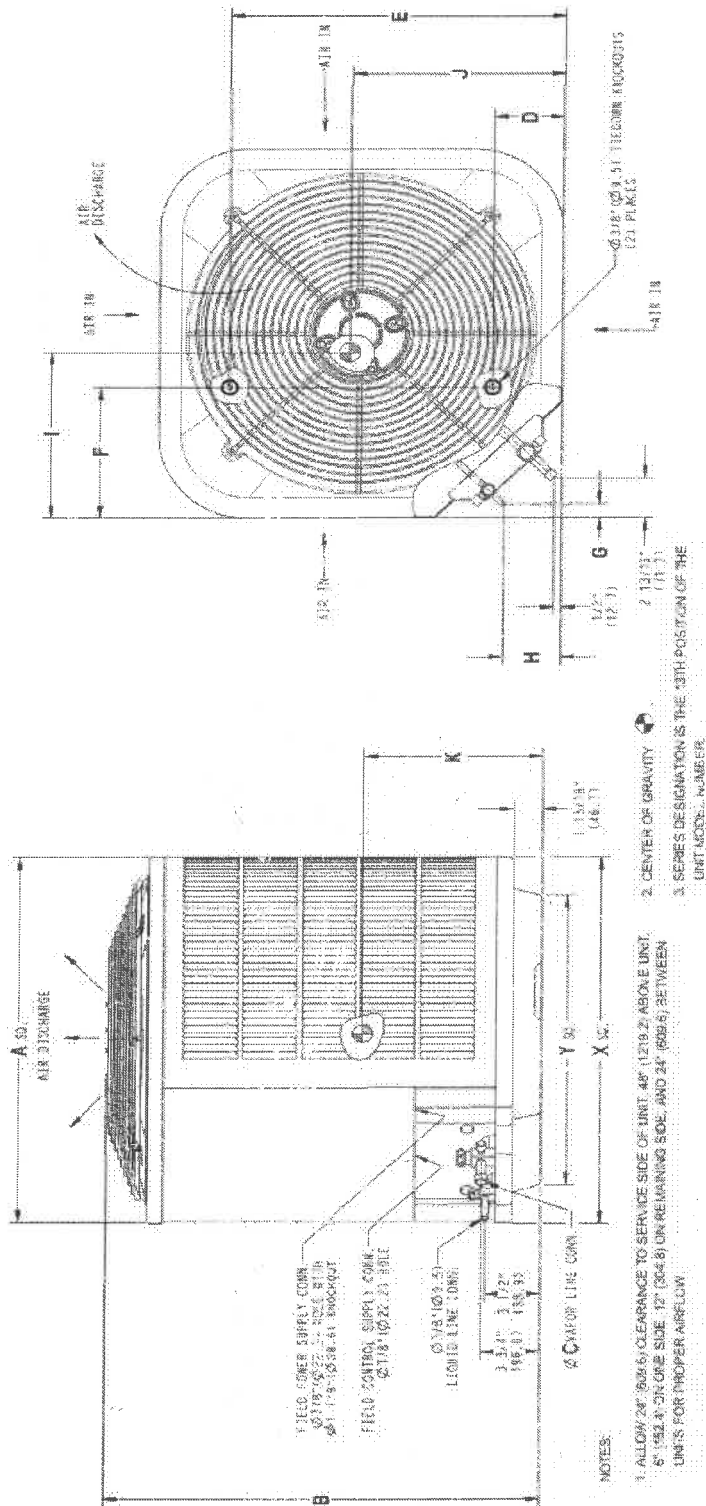
Octave Band Center Frequency, Hz	63	125	250	500	1k	2k	4k
Sound Power,dB	67.8	63.8	59.8	56.8	54.8	52.8	48.8

The Product and Ratings Data in this program is subject to change at any time and without notice. Please refer to the latest product literature and the AHRI directory at www.ahridirectory.org for the most up-to-date information.

Certified Drawing For UNIT-3

Project: City of Margate bid package
Prepared By:

08/02/2022



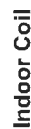
Outdoor Model

Unit Model: 24SCA
Unit Size: 3 Tons (Size 36)
Voltage: 208/230-1-60 V-Ph-Hz
SEER: 15
Part Number: 24SCA536W003

Shipping Dimensions and Weights		Outdoor Unit
Height		44.13 in
Width		34.25 in
Length		34.25 in
Operating Weight		151. lb
Shipping Weight		169. lb

Dimensions										
A	B	C	D	E	F	G	H	I	J	K
31.19 in	38.88 in	0.88 in	6.56 in	24.70 in	9.13 in	0.31 in	3.00 in	15.00 in	15.00 in	18.50 in

The Product and Ratings Data in this program is subject to change at any time and without notice. Please refer to the latest product literature and the AHRI directory at www.ahridirectory.org for the most up-to-date information.



Unit Model: **FX4D**
Unit Size: **36,000 Btuh (Size 037)**
Voltage: **208-1-60 V-Ph-Hz**
Cabinet Insulation: **Single-piece cabinet with 1-in. super thick insulation**
Part Number: **FX4DNF037L00**

Dimensions and Weights		Indoor Coil
Height		49.63 in
Width		21.13 in
Length		22.06 in
Shipping Weight		157 lb

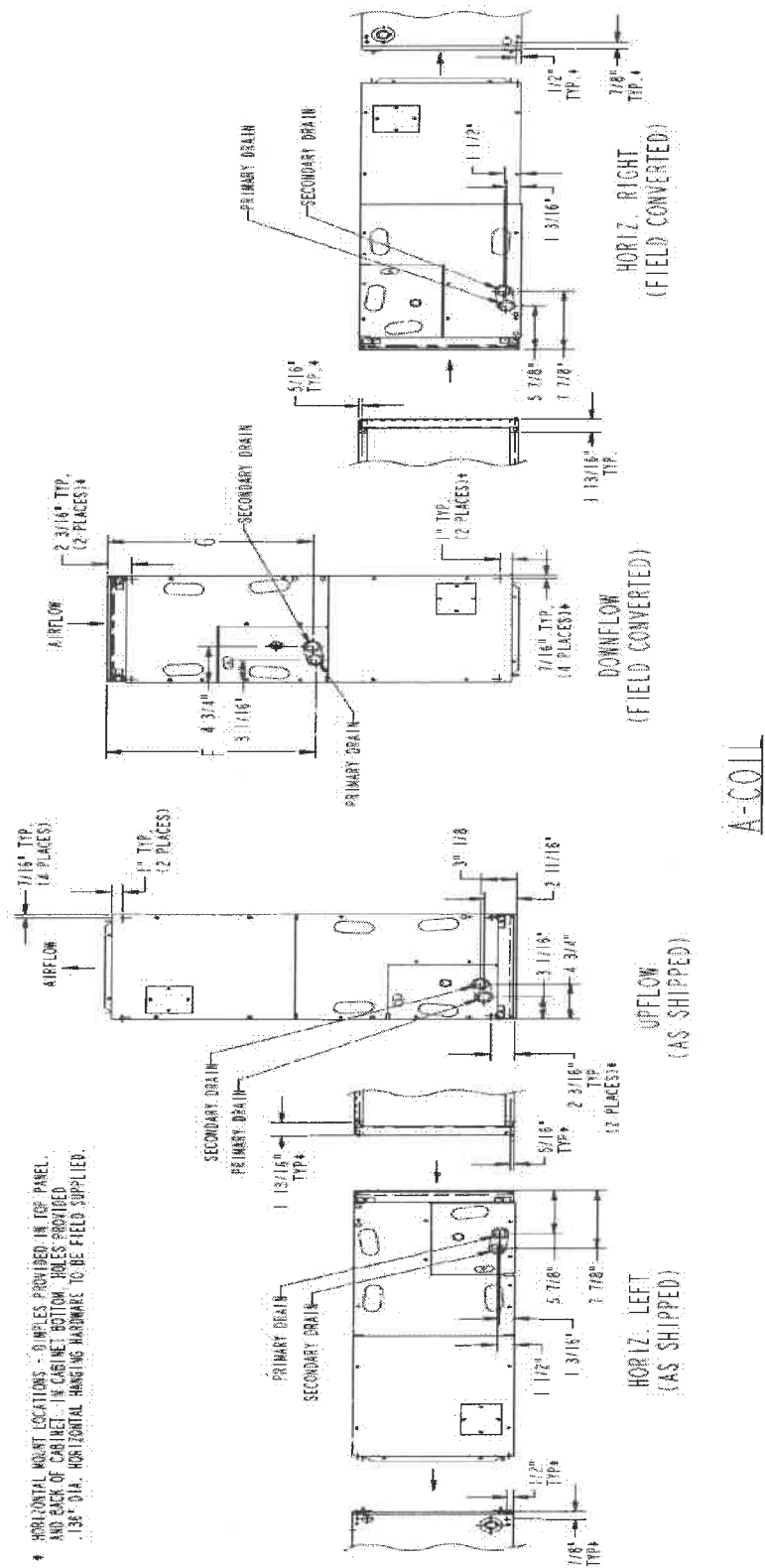
Dimensions							
A	B	C	D	E	F	G	H
49.63 in	21.13 in	19.25 in	19.13 in	15.69 in	23.44 in	23.13 in	28.31 in
							J

The Product and Ratings Data in this program is subject to change at any time and without notice. Please refer to the latest product literature and the AHRI directory at www.ahridirectory.org for the most up-to-date information.

Certified Drawing For UNIT-3

Project: City of Margate bid package
Prepared By:

08/02/2022



Indoor Coil

Unit Model: **FX4D**
Unit Size: **36,000 Btuh (Size 037)**
Voltage: **208-1-60 V-Ph-Hz**
Part Number: **FX4DNF037L00**

The Product and Ratings Data in this program is subject to change at any time and without notice. Please refer to the latest product literature and the AHRI directory at www.ahridirectory.org for the most up-to-date information.

UNIT-6

Project: City of Margate bid package
Prepared By:

08/02/2022

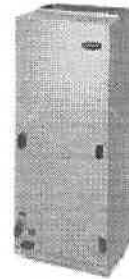
UNIT-6

**Submittal Cover Sheet
Unit Report
Performance Summary Report
Acoustic Summary
Certified Drawings**

Unit Report For UNIT-6

Project: City of Margate bid package
Prepared By:

08/02/2022



Outdoor Unit Parameters

Unit Model: 24SCA
Unit Size: 4 Tons (Size 48)
Voltage: 208/230-1-60 V-Ph-Hz

Indoor Coil Parameters

Unit Model: FX4D
Unit Size: 48,000 Btuh (Size 049)
Cabinet Insulation: Single-piece cabinet with 1-in. super thick insulation
Voltage: 208-1-60 V-Ph-Hz
Refrigerant Type: Puron
Heating Size: No Heat

Outdoor Unit Dimensions and Weight

Unit Length: 31.1875 in
Unit Width: 31.1875 in
Unit Height: 32.0625 in
Unit Shipping Weight: 199. lb

Indoor Coil Dimensions and Weight

Unit Length: 22.0625 in
Unit Width: 24.6875 in
Unit Height: 53.4375 in
Unit Shipping Weight: 185. lb

RESIDENTIAL APPLICATIONS

This warranty is to the original purchasing owner and subsequent owners only to the extent and as stated in the Warranty Conditions and below. The limited warranty period in years, depending on the part and the claimant, is as shown in the table below.

Limited Warranty (Years)		
Item	Original Owner	Subsequent Owner
Parts	10* (or 5)	5
Compressor	10* (or 5)	5

*If properly registered within 90 days of original installation, otherwise 5 years (except in California and Quebec and other jurisdictions that prohibit warranty benefits conditioned on registration). See Warranty Conditions below.

OTHER APPLICATIONS

The warranty period is five (5) years on the compressor, and one (1) year on all other parts. The warranty is the original owner only and is not available for subsequent owners.

Ordering Information

Part Number	Description	Quantity
Outdoor Unit		
24SCA548W003	Comfort Single Stage Air Conditioner with Puron Refrigerant 4 Tons Cooling 15 SEER @ ARI Conditions	1
Indoor Coil		
FX4DNF049L00	FX4D Comfort Series Fan Coil with Puron 48000 BTU Cooling 208/230-1-60 Single-piece cabinet with 1-in. super thick insulation Aluminum	1

The Product and Ratings Data in this program is subject to change at any time and without notice. Please refer to the latest product

Unit Report For UNIT-6

Project: City of Margate bid package
Prepared By:

08/02/2022

literature and the AHRI directory at www.ahridirectory.org for the most up-to-date information.

Performance Summary For UNIT-6

Project: City of Margate bid package
Prepared By:

08/02/2022

System Performance

System:	24SCA/FX4D	Actual Clg Airflow:.....	1600.0	CFM
System Quantity:.....	1	Standard Clg Airflow:.....	1600.0	CFM
Altitude:.....	0.0 ft	Total Net Clg Capacity:.....	48.21	MBH
Linear Pipe Length:.....	0.0 ft	Net Sensible Clg Capacity:.....	33.62	MBH
SEER @ ARI Conditions:.....	16.0	Total System Power:.....	3.89	kW
EER @ ARI Conditions:.....	13.0			

System Parameters

Outdoor Unit Parameters

Unit Model:..... **24SCA548W003**
Unit Size (Nominal):..... **4 Tons (Size 48)**
Voltage:..... **208/230-1-60** V-Ph-Hz
Clg Ent Air DB Ambient:..... **95.0** °F

Indoor Coil Parameters

Unit Model:..... **FX4DNF049L00**
Unit Size (Nominal):..... **48,000 Btuh (Size 049)**
Voltage:..... **208-1-60** V-Ph-Hz
Ent Air DB:..... **80.00** °F
Ent Air WB:..... **67.00** °F
Ent Enthalpy:..... **31.44** BTU/lb
Lvg Air DB:..... **60.54** °F
Lvg Air WB:..... **57.56** °F
Lvg Enthalpy:..... **24.74** BTU/lb
Heating Size (Nominal):..... **No Heat**
Total External Static Pressure:..... **0.50** in wg

Electrical Data

Outdoor Electrical Data

Unit Voltage:..... **208/230-1-60** V-Ph-Hz
Fan Motor FLA:..... **1.52** Amps
MCA:..... **32.8** Amps
Max Fuse:..... **50** Amps
Operating Range Min:..... **197** V
Operating Range Max:..... **253** V
Compressor RLA:..... **25.0** Amps
Compressor LRA:..... **120.0** Amps

Indoor Electrical Data:

(For units with no factory installed electric heaters)
Unit Voltage:..... **208-1-60** V-Ph-Hz
Unit FLA:..... **6.0** Amps
Unit MCA:..... **7.5** Amps
Unit MOCP:..... **15.0** Amps
Unit Min Wire Size:..... **14.0**
Motor HP:..... **3/4** HP
Notice: Indoor Elect. data is for 208-1-60 voltage

The Product and Ratings Data in this program is subject to change at any time and without notice. Please refer to the latest product literature and the AHRI directory at www.ahridirectory.org for the most up-to-date information.

Acoustic Summary For UNIT-6

Project: City of Margate bid package
Prepared By:

08/02/2022

Outdoor Unit Parameters:

Unit Model: **24SCA**
Unit Size: **4 Tons (Size 48)**
Variations: **Standard**

Octave Band Center Frequency, Hz	125	250	500	1k	2k	4k	8k	dB(A)
Sound Power, dB	73.0	73.4	70.5	69.7	64.9	64.1	59.3	
A-Weighted Sound Power, dBA								76.0

Indoor Coil Parameters:

Unit Model: **FX4D**
Unit Size: **48,000 Btuh (Size 049)**
Cabinet Insulation: **Single-piece cabinet with 1-in. super thick insulation**

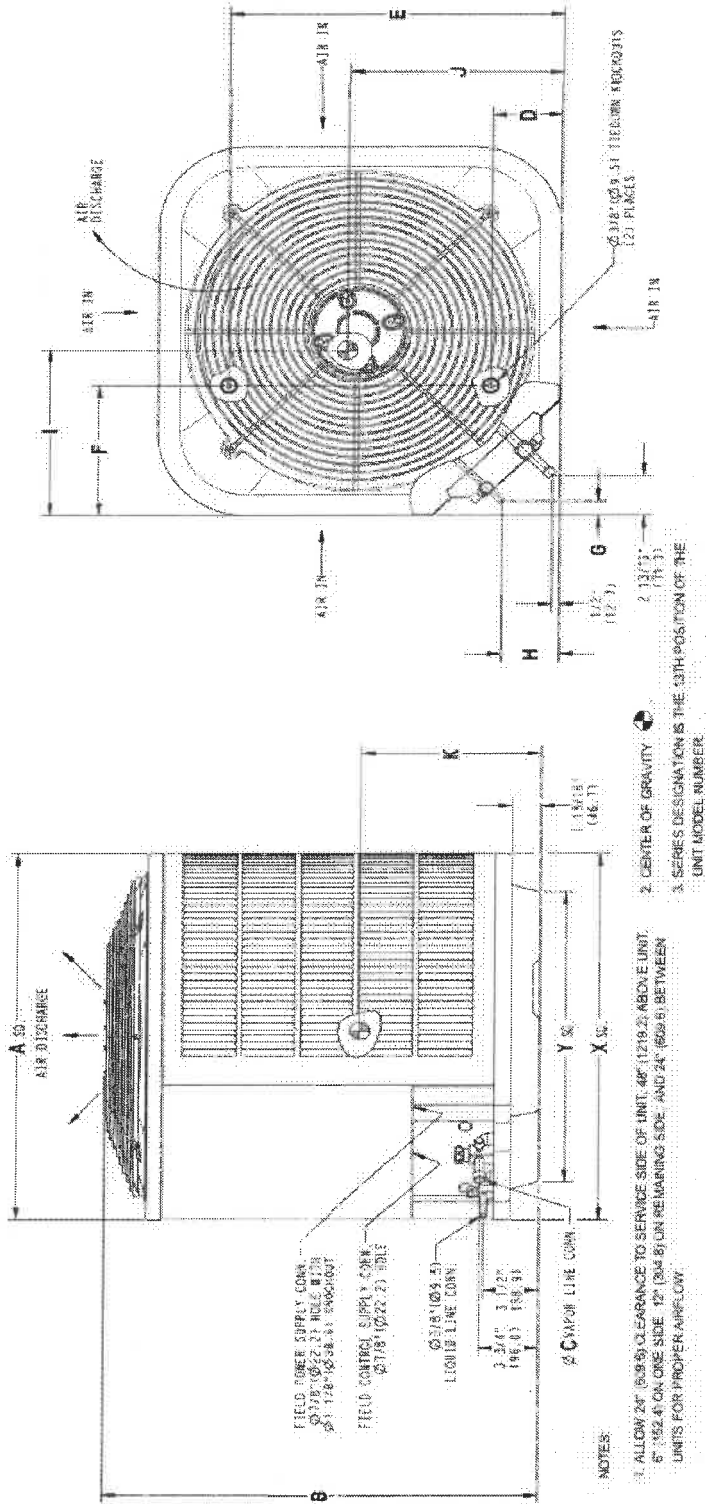
Octave Band Center Frequency, Hz	63	125	250	500	1k	2k	4k
Sound Power, dB	69.0	65.0	61.0	58.0	56.0	54.0	50.0

The Product and Ratings Data in this program is subject to change at any time and without notice. Please refer to the latest product literature and the AHRI directory at www.ahridirectory.org for the most up-to-date information.

Certified Drawing For UNIT-6

Project: City of Margate bid package
Prepared By:

08/02/2022



Outdoor Model

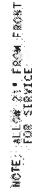
Unit Model: 24SCA
Unit Size: 4 Tons (Size 48)
Voltage: 208/230-1-60 V-Ph-Hz
SEER: 15
Part Number: 24SCA548W003

Shipping Dimensions and Weights		Outdoor Unit
Height		37.00 in
Width		34.25 in
Length		34.25 in
Operating Weight		182. lb
Shipping Weight		199. lb

Dimensions										
A	B	C	D	E	F	G	H	I	J	K
31.19 in	32.06 in	0.88 in	6.56 in	24.70 in	9.13 in	0.31 in	3.00 in	15.00 in	14.50 in	14.50 in

The Product and Ratings Data in this program is subject to change at any time and without notice. Please refer to the latest product literature and the AHRI directory at www.ahrirectory.org for the most up-to-date information.

Prepared By:



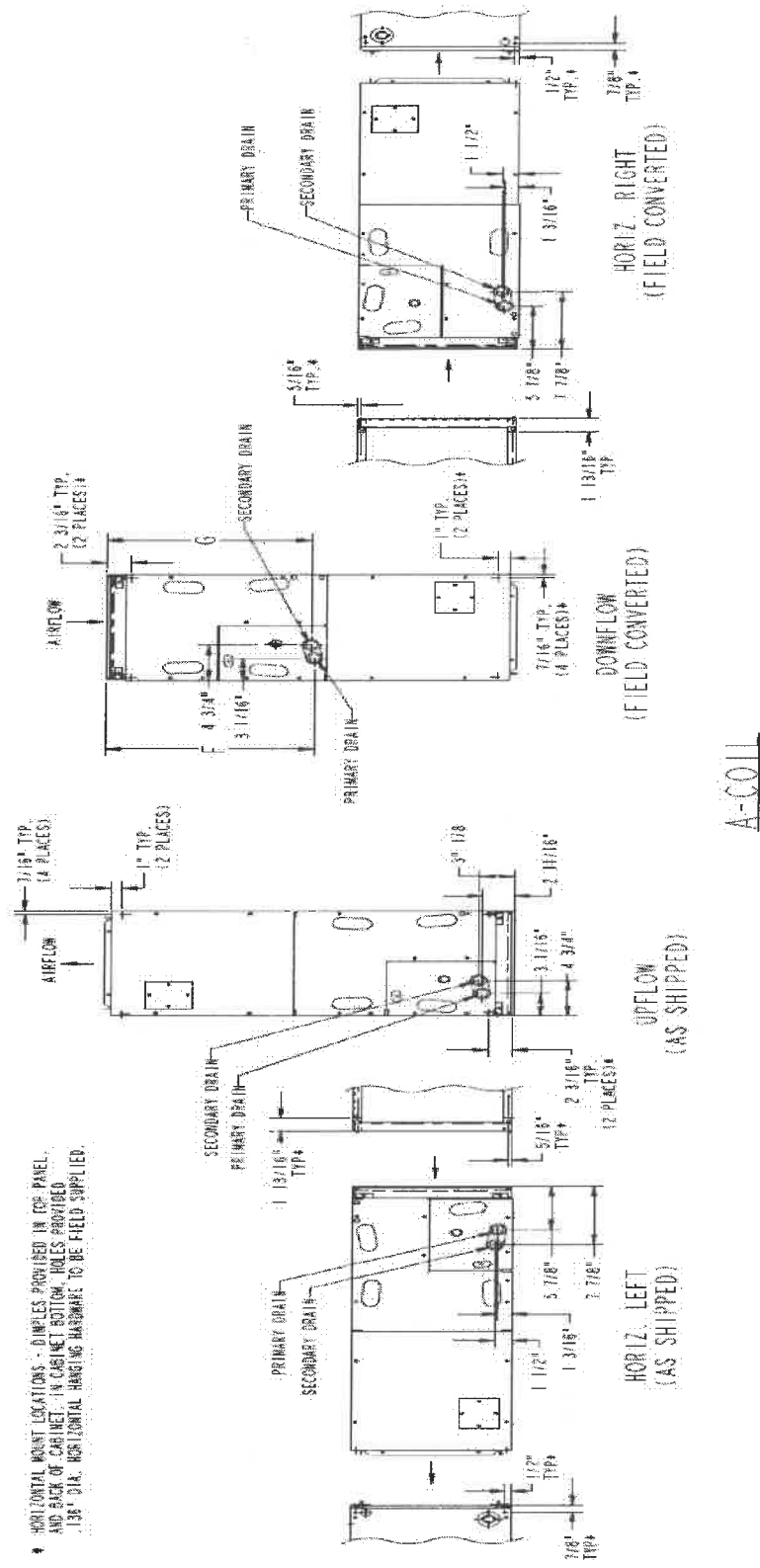
NOTE:
1. SERIES DESIGNATION IS THE 14TH POSITION
OF UNIT PRODUCT NUMBER.
2. ALL DIMENSIONS ARE IN "INCHES" UNLESS NOTED.

Dimensions and Weights		Indoor Coil
Height		53.44 in
Width		24.69 in
Length		22.06 in
Shipping Weight		185. lb

Dimensions								
A	B	C	D	E	F	G	H	J
53.44 in	24.69 in	22.75 in	22.69 in	19.50 in	27.25 in	26.31 in	28.31 in	

The Product and Ratings Data in this program is subject to change at any time and without notice. Please refer to the latest product literature and the AHRI directory at www.ahridirectory.org for the most up-to-date information.

Certified Drawing For UNIT-6



Indoor Coil

Unit Model: **FX4D**
Unit Size: **48,000 Btuh (Size 049)**
Voltage: **208-1-60** **V-Ph-Hz**
Part Number: **FX4DNF049L00**

The Product and Ratings Data in this program is subject to change at any time and without notice. Please refer to the latest product literature and the AHRI directory at www.ahridirectory.org for the most up-to-date information.

UNIT-8

Project: City of Margate bid package
Prepared By:

08/02/2022

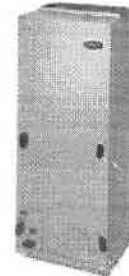
UNIT-8

**Submittal Cover Sheet
Unit Report
Performance Summary Report
Acoustic Summary
Certified Drawings**

Unit Report For UNIT-8

Project: City of Margate bid package
Prepared By:

08/02/2022



Outdoor Unit Parameters

Unit Model: 24SCA
Unit Size: 5 Tons (Size 60)
Voltage: 208/230-1-60 V-Ph-Hz

Indoor Coil Parameters

Unit Model: FX4D
Unit Size: 60,000 Btuh (Size 061)
Cabinet Insulation: Single-piece cabinet with 1-in. super thick insulation
Voltage: 208-1-60 V-Ph-Hz
Refrigerant Type: Puron
Heating Size: No Heat

Outdoor Unit Dimensions and Weight

Unit Length: 31.1875 in
Unit Width: 31.1875 in
Unit Height: 33.875 in
Unit Shipping Weight: 215. lb

Indoor Coil Dimensions and Weight

Unit Length: 22.0625 in
Unit Width: 24.6875 in
Unit Height: 59.1875 in
Unit Shipping Weight: 201. lb

RESIDENTIAL APPLICATIONS

This warranty is to the original purchasing owner and subsequent owners only to the extent and as stated in the Warranty Conditions and below. The limited warranty period in years, depending on the part and the claimant, is as shown in the table below.

Limited Warranty (Years)		
Item	Original Owner	Subsequent Owner
Parts	10* (or 5)	5
Compressor	10* (or 5)	5

*If properly registered within 90 days of original installation, otherwise 5 years (except in California and Quebec and other jurisdictions that prohibit warranty benefits conditioned on registration). See Warranty Conditions below.

OTHER APPLICATIONS

The warranty period is five (5) years on the compressor, and one (1) year on all other parts. The warranty is the original owner only and is not available for subsequent owners.

Ordering Information

Part Number	Description	Quantity
Outdoor Unit		
24SCA560W003	Comfort Single Stage Air Conditioner with Puron Refrigerant 5 Tons Cooling	1
	15 SEER @ ARI Conditions	
Indoor Coil		
FX4DNF061L00	FX4D Comfort Series Fan Coil with Puron 60000 BTU Cooling	1
	208/230-1-60	
	Single-piece cabinet with 1-in. super thick insulation	
	Aluminum	
Accessories		
KFCEH2501C08	8 kW Electric Heater with Circuit Breaker for Indoor Unit	

Unit Report For UNIT-8

Project: City of Margate bid package
Prepared By:

08/02/2022

The Product and Ratings Data in this program is subject to change at any time and without notice. Please refer to the latest product literature and the AHRI directory at www.ahridirectory.org for the most up-to-date information.

Performance Summary For UNIT-8

Project: City of Margate bid package
Prepared By:

08/02/2022

System Performance

System:	24SCA/FX4D	Actual Clg Airflow:.....	1888.0	CFM
System Quantity:.....	1	Standard Clg Airflow:.....	1888.0	CFM
Altitude:.....	0.0 ft	Total Net Clg Capacity:.....	56.99	MBH
Linear Pipe Length:.....	0.0 ft	Net Sensible Clg Capacity:.....	39.84	MBH
SEER @ ARI Conditions:.....	15.0	Total System Power:.....	4.60	kW
EER @ ARI Conditions:.....	13.0			

System Parameters

Outdoor Unit Parameters

Unit Model:..... **24SCA560W003**
Unit Size (Nominal):..... **5 Tons (Size 60)**
Voltage:..... **208/230-1-60** V-Ph-Hz
Clg Ent Air DB Ambient:..... **95.0** °F

Indoor Coil Parameters

Unit Model:..... **FX4DNF061L00**
Unit Size (Nominal):..... **60,000 Btuh (Size 061)**
Voltage:..... **208-1-60** V-Ph-Hz
Ent Air DB:..... **80.00** °F
Ent Air WB:..... **67.00** °F
Ent Enthalpy:..... **31.44** BTU/lb
Lvg Air DB:..... **60.46** °F
Lvg Air WB:..... **57.54** °F
Lvg Enthalpy:..... **24.73** BTU/lb
Heating Size (Nominal):..... **No Heat**
Total External Static Pressure:..... **0.50** in wg

Electrical Data

Outdoor Electrical Data

Unit Voltage:..... **208/230-1-60** V-Ph-Hz
Fan Motor FLA:..... **1.40** Amps
MCA:..... **33.4** Amps
Max Fuse:..... **50** Amps
Operating Range Min:..... **197** V
Operating Range Max:..... **253** V
Compressor RLA:..... **25.6** Amps
Compressor LRA:..... **150.0** Amps

Indoor Electrical Data

Unit Voltage:..... **208-1-60** V-Ph-Hz
Motor HP:..... **3/4** HP
Motor FLA:..... **6.0** Amps

Accessory Electric Heater Data

EH Part Number:..... **KFCEH2501C08**
Electric Heater kW:..... **8.0** kW
For 2 wire operation (single circuit):
Heater Amps:..... **28.9** Amps
Heater Capacity:..... **28.9** MBH
Heater + Motor MCA:..... **44.7** Amps
Heater + Motor MOCP:..... **45** Amps
Accessory Voltage:..... **208-1-60** V-Ph-Hz

The Product and Ratings Data in this program is subject to change at any time and without notice. Please refer to the latest product literature and the AHRI directory at www.ahridirectory.org for the most up-to-date information.

Acoustic Summary For UNIT-8

Project: City of Margate bid package
Prepared By:

08/02/2022

Outdoor Unit Parameters:

Unit Model: 24SCA
Unit Size: 5 Tons (Size 60)
Variations: Standard

Octave Band Center Frequency, Hz	125	250	500	1k	2k	4k	8k	dBA
Sound Power,dB	69.7	73.1	70.0	70.2	64.0	61.9	62.4	
A-Weighted Sound Power, dBA								75.0

Indoor Coil Parameters:

Unit Model: FX4D
Unit Size: 60,000 Btuh (Size 061)
Cabinet Insulation: Single-piece cabinet with 1-in. super thick insulation

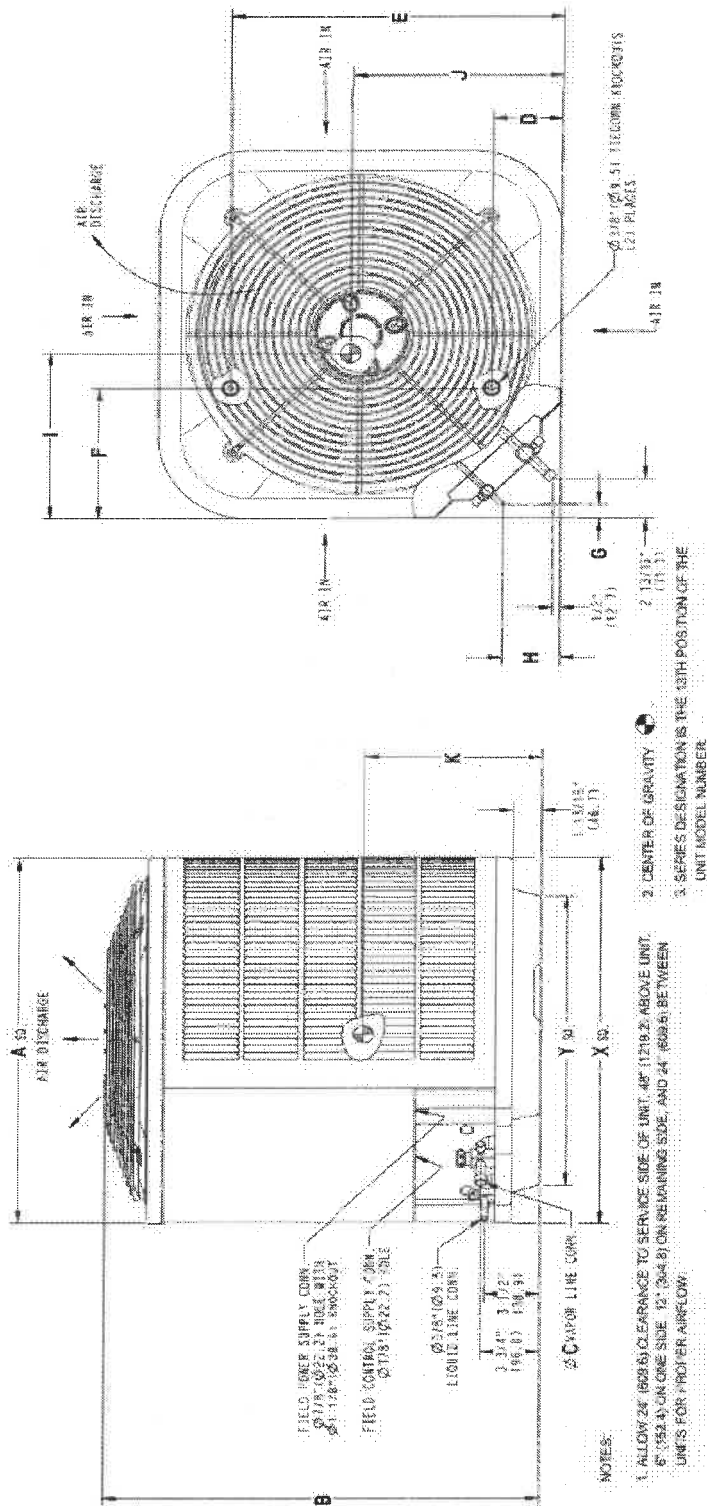
Octave Band Center Frequency, Hz	63	125	250	500	1k	2k	4k
Sound Power,dB	70.0	66.0	62.0	59.0	57.0	55.0	51.0

The Product and Ratings Data in this program is subject to change at any time and without notice. Please refer to the latest product literature and the AHRI directory at www.ahridirectory.org for the most up-to-date information.

Certified Drawing For UNIT-8

Project: City of Margate bid package
Prepared By:

08/02/2022



Outdoor Model

Unit Model: 24SCA
Unit Size: 5 Tons (Size 60)
Voltage: 208/230-1-60 V-Ph-Hz
SEER: 15
PartNumber: 24SCA560W003

Shipping Dimensions and Weights		Outdoor Unit
Height		44.13 in
Width		34.25 in
Length		34.25 in
Operating Weight		196.1b
Shipping Weight		215.1b

Dimensions										
A	B	C	D	E	F	G	H	I	J	K
31.19 in	38.88 in	0.88 in	6.56 in	24.70 in	9.13 in	0.31 in	3.00 in	16.00 in	15.00 in	18.25 in

The Product and Ratings Data in this program is subject to change at any time and without notice. Please refer to the latest product literature and the AHRI directory at www.ahridirectory.org for the most up-to-date information.

Project: City of Margate bid package
Prepared By:

Prepared By:



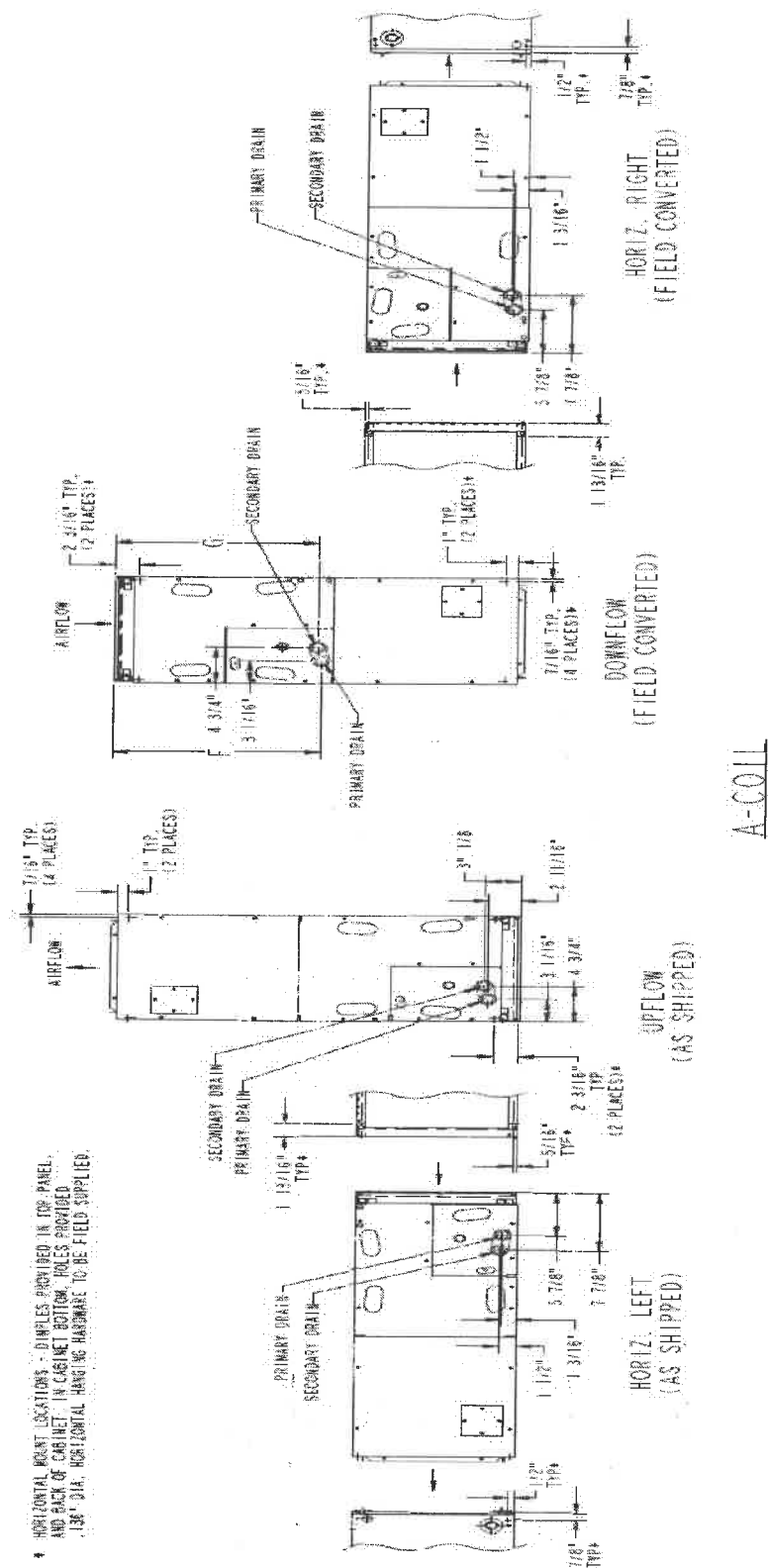
Dimensions and Weights		Indoor Coil
Height		59.19 in
Width		24.69 in
Length		22.06 in
Shipping Weight		201. lb

Dimensions							
A	B	C	D	E	F	G	H
59.19 in	24.69 in	22.75 in	22.69 in	25.25 in	32.94 in	32.63 in	34.06 in

Residential Carrier Products Bldr 1.31

Project: City of Margate bid package
Prepared By:

08/02/2022



Unit Model: **FX4D**
Unit Size: **60,000 Btuh (Size 061)**
Voltage: **208-1-60**
Part Number: **FX4DNF061L00**

The Product and Ratings Data in this program is subject to change at any time and without notice. Please refer to the latest product literature and the AHRI directory at www.ahridirectory.org for the most up-to-date information.

UNIT-7

Project: City of Margate bid package
Prepared By:

08/02/2022

UNIT-7

**Submittal Cover Sheet
Unit Report
Performance Summary Report
Acoustic Summary
Certified Drawings**

Unit Report For UNIT-7

Project: City of Margate bid package
Prepared By:

08/02/2022



Outdoor Unit Parameters

Unit Model: 24SCA
Unit Size: 2 Tons (Size 24)
Voltage: 208/230-1-60 V-Ph-Hz

Indoor Coil Parameters

Unit Model: FX4D
Unit Size: 24,000 Btuh (Size 025)
Cabinet Insulation: Single-piece cabinet with 1-in. super thick insulation
Voltage: 208-1-60 V-Ph-Hz
Refrigerant Type: Puron
Heating Size: No Heat

Outdoor Unit Dimensions and Weight

Unit Length: 25.75 in
Unit Width: 25.75 in
Unit Height: 35.5 in
Unit Shipping Weight: 137. lb

Indoor Coil Dimensions and Weight

Unit Length: 22.0625 in
Unit Width: 17.625 in
Unit Height: 49.625 in
Unit Shipping Weight: 122. lb

RESIDENTIAL APPLICATIONS

This warranty is to the original purchasing owner and subsequent owners only to the extent and as stated in the Warranty Conditions and below. The limited warranty period in years, depending on the part and the claimant, is as shown in the table below.

Limited Warranty (Years)		
Item	Original Owner	Subsequent Owner
Parts	10* (or 5)	5
Compressor	10* (or 5)	5

*If properly registered within 90 days of original installation, otherwise 5 years (except in California and Quebec and other jurisdictions that prohibit warranty benefits conditioned on registration). See Warranty Conditions below.

OTHER APPLICATIONS

The warranty period is five (5) years on the compressor, and one (1) year on all other parts. The warranty is the original owner only and is not available for subsequent owners.

Ordering Information

Part Number	Description	Quantity
Outdoor Unit		
24SCA524W003	Comfort Single Stage Air Conditioner with Puron Refrigerant 2 Tons Cooling	1
	15 SEER @ ARI Conditions	
Indoor Coil		
FX4DNF025L00	FX4D Comfort Series Fan Coil with Puron 24000 BTU Cooling	1
	208/230-1-60	
	Single-piece cabinet with 1-in. super thick insulation	
	Aluminum	

The Product and Ratings Data in this program is subject to change at any time and without notice. Please refer to the latest product

Unit Report For UNIT-7

Project: City of Margate bid package
Prepared By:

08/02/2022

literature and the AHRI directory at www.ahridirectory.org for the most up-to-date information.

Performance Summary For UNIT-7

Project: City of Margate bid package
Prepared By:

08/02/2022

System Performance

System:	24SCA/FX4D	Actual Clg Airflow:.....	800.0	CFM
System Quantity:.....	1	Standard Clg Airflow:.....	800.0	CFM
Altitude:.....	0.0 ft	Total Net Clg Capacity:.....	24.01	MBH
Linear Pipe Length:.....	0.0 ft	Net Sensible Clg Capacity:.....	16.56	MBH
SEER @ ARI Conditions:.....	16.0	Total System Power:.....	1.93	kW
EER @ ARI Conditions:.....	13.0			

System Parameters

Outdoor Unit Parameters

Unit Model:.....	24SCA524W003
Unit Size (Nominal):.....	2 Tons (Size 24)
Voltage:.....	208/230-1-60 V-Ph-Hz
Clg Ent Air DB Ambient:.....	95.0 °F

Indoor Coil Parameters

Unit Model:.....	FX4DNF025L00
Unit Size (Nominal):.....	24,000 Btuh (Size 025)
Voltage:.....	208-1-60 V-Ph-Hz
Ent Air DB:.....	80.00 °F
Ent Air WB:.....	67.00 °F
Ent Enthalpy:.....	31.44 BTU/lb
Lvg Air DB:.....	60.83 °F
Lvg Air WB:.....	57.60 °F
Lvg Enthalpy:.....	24.77 BTU/lb
Heating Size (Nominal):.....	No Heat
Total External Static Pressure:.....	0.50 in wg

Electrical Data

Outdoor Electrical Data

Unit Voltage:.....	208/230-1-60	V-Ph-Hz
Fan Motor FLA:.....	0.60	Amps
MCA:.....	12.2	Amps
Max Fuse:.....	20	Amps
Operating Range Min:.....	197	V
Operating Range Max:.....	253	V
Compressor RLA:.....	9.3	Amps
Compressor LRA:.....	49.7	Amps

Indoor Electrical Data:

(For units with no factory installed electric heaters)

Unit Voltage:.....	208-1-60	V-Ph-Hz
Unit FLA:.....	2.8	Amps
Unit MCA:.....	3.5	Amps
Unit MOCP:.....	15.0	Amps
Unit Min Wire Size:.....	14.0	
Motor HP:.....	1/3	HP

Notice: Indoor Elect. data is for 208-1-60 voltage

The Product and Ratings Data in this program is subject to change at any time and without notice. Please refer to the latest product literature and the AHRI directory at www.ahridirectory.org for the most up-to-date information.

Acoustic Summary For UNIT-7

Project: City of Margate bid package
Prepared By:

08/02/2022

Outdoor Unit Parameters:

Unit Model: **24SCA**
Unit Size: **2 Tons (Size 24)**
Variations: **Standard**

Octave Band Center Frequency, Hz	125	250	500	1k	2k	4k	8k	dBA
Sound Power,dB	66.5	66.9	68.7	71.0	63.6	60.4	58.5	
A-Weighted Sound Power, dBA								73.0

Indoor Coil Parameters:

Unit Model: **FX4D**
Unit Size: **24,000 Btuh (Size 025)**
Cabinet Insulation: **Single-piece cabinet with 1-in. super thick insulation**

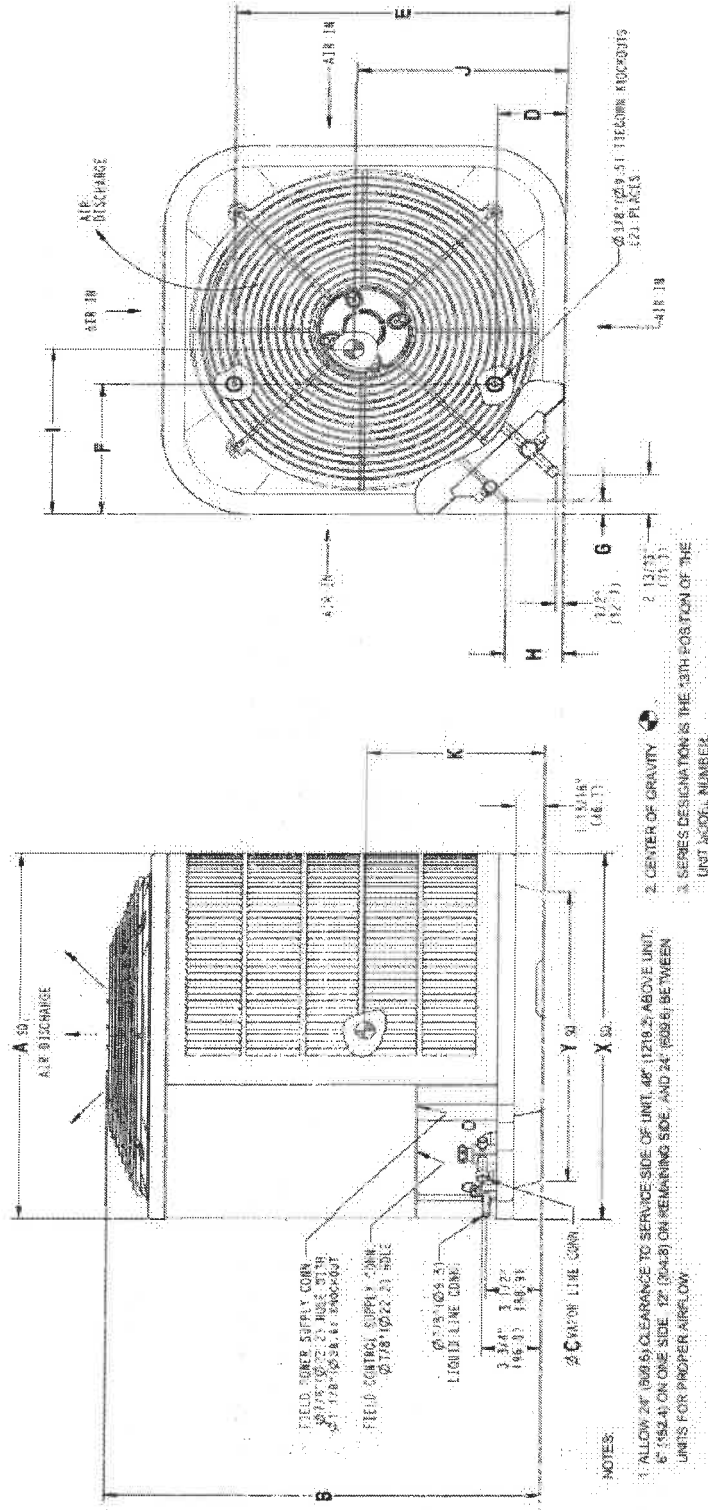
Octave Band Center Frequency, Hz	63	125	250	500	1k	2k	4k
Sound Power,dB	66.0	62.0	58.0	55.0	53.0	51.0	47.0

The Product and Ratings Data in this program is subject to change at any time and without notice. Please refer to the latest product literature and the AHRI directory at www.ahridirectory.org for the most up-to-date information.

Certified Drawing For UNIT-7

Project: City of Margate bid package
Prepared By:

08/02/2022



Outdoor Model

Unit Model: 24SCA
Unit Size: 2 Tons (Size 24)
Voltage: 208/230-1-60 V-Ph-Hz
SEER: 15
Part Number: 24SCA524W003

Shipping Dimensions and Weights		Outdoor Unit
Height		40.75 in
Width		28.75 in
Length		28.75 in
Operating Weight		123. lb
Shipping Weight		137. lb

Dimensions										
A	B	C	D	E	F	G	H	I	J	K
25.75 in	35.50 in	0.75 in	4.44 in	21.25 in	9.13 in	0.31 in	3.00 in	12.00 in	14.00 in	18.00 in

The Product and Ratings Data in this program is subject to change at any time and without notice. Please refer to the latest product literature and the AHRI directory at www.ahridirectory.org for the most up-to-date information.

Project: City of Margate bid package
Prepared By:

Prepared By:



Unit Model: **FX4D**
Unit Size: **24,000 Btuh (Size 025)**
Voltage: **208-1-60 V-Ph-Hz**
Cabinet Insulation: **Single-piece cabinet with 1-in. super thick insulation**
Part Number: **FX4DNF025L00**

Dimensions and Weights		Indoor Coil
Height		49.63 in
Width		17.63 in
Length		22.06 in
Shipping Weight		122 lb

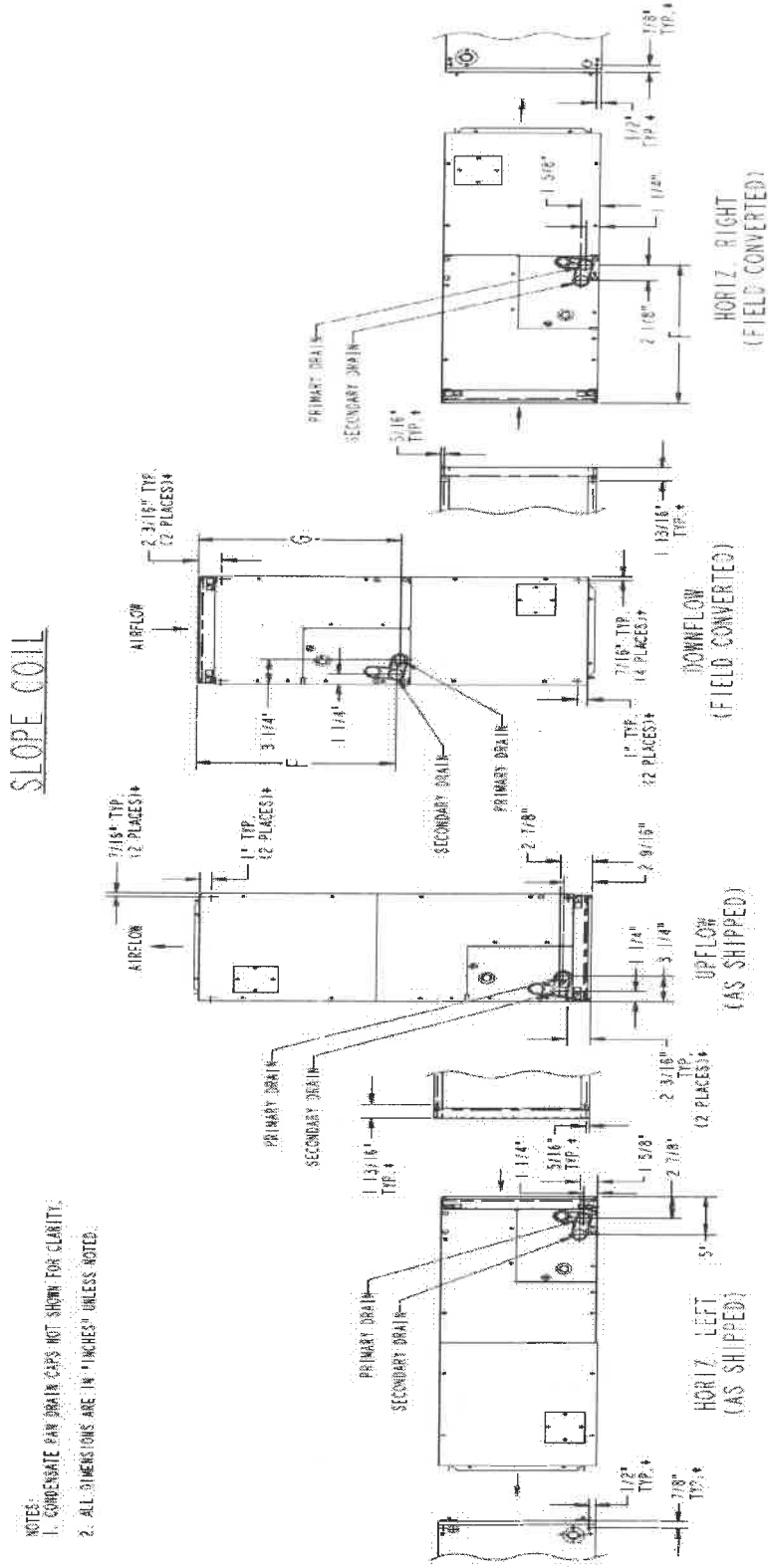
Dimensions									
A	B	C	D	E	F	G	H	J	
49.63 in	17.63 in	15.75 in	15.63 in	15.38 in	23.13 in	23.63 in	--	17.00 in	

The Product and Ratings Data in this program is subject to change at any time and without notice. Please refer to the latest product literature and the AHRI directory at www.ahridirectory.org for the most up-to-date information.

Certified Drawing For UNIT-7

Project: City of Margate bid package
Prepared By:

08/02/2022



Indoor Coil
Unit Model: **FX4D**
Unit Size: **24,000 Btuh (Size 025)**
Voltage: **208-1-60 V-Ph-Hz**
PartNumber: **FX4DNF025L00**

The Product and Ratings Data in this program is subject to change at any time and without notice. Please refer to the latest product literature and the AHRI directory at www.ahridirectory.org for the most up-to-date information.