OFFICIAL FILE COPY
CLERK OF THE BOARD
OF COUNTY COMMISSIONERS
MIAMI-DADE COUNTY, FLORIDA

# Memorandum

MIAMI-DADE COUNTY

**Date:** September 1, 2026

Agenda Item No. 8(P)(3)

**To:** Honorable Chairman Anthony Rodriguez
and Members, Board of County Commissioners

**From:** Daniella Levine Cava
Mayor

Resolution No. R-755-26

**Subject:** Recommendation for Approval of a Non-competitive Designated Purchase (Sole Source) for Preconditioned Air and 400Hz Systems, Parts and Replacement

## Executive Summary

This item is for the purchase of pre-conditioned air (PCA) and 400 hertz (Hz) systems, maintenance, repairs, parts, and replacements from Dabico Airport Solutions (Dabico) for the Miami-Dade Aviation Department (MDAD). The award of this contract supports Miami International Airport's (MIA) role as a leading global airport while ensuring critical equipment is maintained to factory standards and continuously operational 24 hours a day, seven days a week. When airplanes are parked at the gate, they traditionally leave their onboard Auxiliary Power Units (APUs) running to power lights and air conditioning. Using a dedicated 400Hz ground power supply and pre-conditioned air system allows the plane to shut down these noisy, fossil-fuel-guzzling turbines while stationary, which reduces costs and is better for the environment.

Dabico is the Original Equipment Manufacturer (OEM) of the Dabico systems installed at MIA and the sole provider for maintenance, repair, parts, and replacements. Competition for these goods and services is not practicable at this time because of the proprietary nature of the Dabico systems at MIA. Dabico holds proprietary licenses for products and services with no distributors or re-sellers authorized to sell and/or maintain Dabico's equipment.

MIA is America's second-busiest airport for international passengers, boasting a lineup of over 90 air carriers, serving 1,000 daily flights, and processing over 152,000 travelers daily. In 2024, MIA processed a record-breaking 55.9 million passengers, with approximately 45% of passengers traveling internationally. MIA offers more flights to Latin America and the Caribbean than any other U.S. airport, and primarily serves as the vital connection point between the U.S. and these regions. MIA's vision is to become a global airport of choice that offers customers a world-class experience. The scale of MIA's operations, processing tens of millions of passengers annually, through passenger loading bridges and aircraft, in which the PCAs and 400Hz systems are used to ensure these areas are sufficiently cooled and powered while aircraft are parked at gates.

## Recommendation

It is recommended that the Board of County Commissioners (Board) approve this request for a non-competitive designated purchase (sole source) pursuant to Section 2-8.1(b)(3) of the Miami-Dade County Code (Code), by a two-thirds vote of the Board members present, and award *Contract No. SS-10569, Dabico PCA and 400Hz Systems, Parts and Replacement*, to Dabico in the amount of $26,122,966 for an initial five-year term with one, five-year option to renew for MDAD. This contract will replace the current sole source contract, *SS9863-1/26*, approved by the Board via Resolution No. R-1144-16.

## Background

The contract provides for the maintenance, repair, and replacement of OEM parts and components of the Dabico systems installed at MIA, which include PCAs, 400Hz aircraft ground power systems, transport units, and chiller plant equipment. The PCAs are used to cool parked aircraft by conditioning the air within a housing outside of the aircraft, before pushing the conditioned air into the aircraft's cabin. PCAs are powered by the airport's electrical supply, saving the aircraft from having to use jet fuel to power the onboard air-conditioning systems. The PCAs also ensure passenger loading bridges, tunnels/fixed walkways and aircraft are sufficiently cooled while parked at gates. For MDAD to ensure

the units are fully operational and reliable, maintenance and repairs are needed to protect and preserve the quality of the highly technologically complex equipment, and it is crucial for the department's operations to ensure only OEM personnel perform service on this brand of equipment.

Competition for these goods and services is not practicable at this time because of the proprietary nature of the Dabico systems at MIA. Dabico holds proprietary licenses for products and services with no distributors or re-sellers authorized to sell and/or maintain Dabico's equipment.

Market research conducted revealed there are other brands of PCAs and power systems; however, each brand is proprietary to the OEM requiring authorized distributor parts and/or services. MIA does use other brands of PCAs and power systems, each with correlating contracts for maintenance and service. Each service contract utilizes non-competitive means of procurement. Utilizing OEM parts and services ensures compliance with warranty requirements and will result in lower downtime for the equipment ensuring passengers are safe and mitigates potential health risks. Given the proprietary nature of the system and equipment, contracting with an alternative manufacturer would require a complete system overhaul. The overall cost to replace the Dabico system and equipment will be approximately $42,764,044 plus 20% startup cost, installation, and commissioning, which would be a major financial impact to MDAD at this time.

The availability and feasibility for competition will be continually monitored to ensure the need for future designated purchases is reduced or eliminated as soon as practicable. Accordingly, it is in the County's best interest to award this designated purchase contract pursuant to Section 2-8.1(b)(3) of the Code to purchase Dabico PCAs, power systems, and parts.

**Scope**
MIA is located within District 6, which is represented by Commissioner Natalie Milian Orbis; however, the impact of this item is countywide in nature.

**Fiscal Impact/Funding Source**
The fiscal impact for the initial five-year term is $12,252,414, including a 20% contingency amount for the purchase of additional products and/or services. Should the County choose to exercise, at its sole discretion, the one, five-year option to renew, the estimated cumulative value will be $26,122,966. The current contract is valued at $15,939,430 for a 10-year term and expires on December 31, 2026. The annualized allocation under the proposed contract is higher than the current contract due to a higher amount of equipment requiring maintenance, and changes in the contract scope. These changes include inspection, maintenance, and repairs for newly added PCA and power systems equipment, increased cost of spare parts, defined upfront annual pricing throughout the contract term, established rates for emergency onsite services, and the aforementioned contingency. In addition, market conditions have impacted costs whereby the Consumer Price Index increased by approximately 43 percent since the current contract was established in 2016.

| Department | Allocation | Funding Source | Budgeted |
|---|---|---|---|
| MDAD | $26,122,966 | Proprietary Funds | FY 2025-26 Adopted Budget, Volume 3, Page 203, Contractual Services |
| **Total** | **$26,122,966** | | |

**Track Record/Monitor**
Marie Williams of the Strategic Procurement Department (SPD) is the Procurement Contracting Manager.

**Delegated Authority**
If this item is approved, the County Mayor or County Mayor's designee will have the authority to execute the agreement and exercise all provisions of the contract, including any cancellation, renewal, or extensions, pursuant to Section 2-8.1 of the Code and Implementing Order 3-38.

**Vendor Recommended for Award**
Pursuant to Resolution No. R-477-18, the recommended vendor does not have a local address as the services required are not available from local firms.

| Vendor | Principal Address | Local Address | Number of Employee Residents<br>1) Miami-Dade<br>2) Percentage* | Principal |
|---|---|---|---|---|
| Dabico Airport Solutions, Inc. | 5740 Decatur Blvd<br>Indianapolis, IN | None | 9<br>6.5% | Mo Jadbabaei |

*Provided pursuant to Resolution No. R-1011-15. Percentage of employee residents is the percentage of vendor's employees who reside in Miami-Dade County as compared to the vendor's total workforce.

**Due Diligence**
Pursuant to Resolution No. R-187-12, due diligence was conducted in accordance with SPD's Procurement Guidelines to determine contractor responsibility, including verifying corporate status and that there are no performance or compliance issues through various vendor responsibility lists and a keyword internet search. The lists that were referenced included convicted vendors, debarred vendors, delinquent contractors, suspended vendors, and federal excluded parties. There were no adverse findings relating to contractor responsibility.

Pursuant to Resolution No. R-252-25, extensive efforts were made to identify any potential piggybacking opportunities prior to considering a non-competitive acquisition. The recommended vendor was not identified on any active contracts that meet the scope of services required by the County. There are no comparable competitive contracts that could be accessed as Dabico is the proprietary manufacturer and sole source maintenance and technical support service provider for MIA's existing Dabico equipment, and no other vendor can provide the maintenance and technical support.

**Applicability of Ordinances and Contract Measures**
- The two percent User Access Program does not apply.
- The Small Business Enterprise measures and Local Preference do not apply.
- The Living Wage Ordinance does not apply.

Roy Coley
Deputy Mayor

# MEMORANDUM

**(Revised)**

**TO**: Honorable Chairman Anthony Rodriguez
and Members, Board of County Commissioners

**DATE**: September 1, 2026

**FROM:** Geri Bonzon-Keenan
County Attorney

**SUBJECT**: Agenda Item No. 8(P)(3)

**Please note any items checked.**

| | |
|---|---|
| _____ | **"3-Day Rule" for committees applicable if raised** |
| _____ | **6 weeks required between first reading and public hearing** |
| _____ | **4 weeks notification to municipal officials required prior to public hearing** |
| _____ | **Decreases revenues or increases expenditures without balancing budget** |
| _____ | **Budget required** |
| _____ | **Statement of fiscal impact required** |
| _____ | **Statement of social equity required** |
| _____ | **Ordinance creating a new board requires detailed County Mayor's report for public hearing** |
| _____ | **No committee review** |
| ✓ _____ | **Requires more than a majority vote (i.e., 2/3's present ✓, 2/3 membership ____, 3/5's ____, unanimous ____, majority plus one ____, CDMP 7 votes (majority of membership) ____, CDMP 2/3 members present but not less than 7 votes (majority of membership) ____, CDMP 9 votes (2/3 membership) _____) to approve** |
| ✓ _____ | **Current information regarding funding source, index code and available balance, and available capacity (if debt is contemplated) required** |

Approved _____ Mayor
Veto _____
Override _____

Agenda Item No. 8(P)(3)
9-1-26

RESOLUTION NO. R-755-26

RESOLUTION AUTHORIZING A NON-COMPETITIVE DESIGNATED PURCHASE PURSUANT TO SECTION 2-8.1(B)(3) OF THE COUNTY CODE, BY A TWO-THIRDS VOTE OF THE BOARD MEMBERS PRESENT, AND AWARD CONTRACT NO. SS-10569, DABICO PCA AND 400HZ SYSTEMS, PARTS AND REPLACEMENT, TO DABICO AIRPORT SOLUTIONS, INC. IN THE AMOUNT OF $26,122,966.00 FOR AN INITIAL FIVE-YEAR TERM WITH ONE, FIVE-YEAR OPTION TO RENEW FOR MIAMI-DADE AVIATION DEPARTMENT; AND AUTHORIZING THE COUNTY MAYOR OR COUNTY MAYOR'S DESIGNEE TO EXECUTE THE AGREEMENT AND EXERCISE ALL PROVISIONS OF THE CONTRACT, INCLUDING ANY CANCELLATION, RENEWAL, OR EXTENSIONS PURSUANT TO SECTION 2-8.1 OF THE CODE OF MIAMI-DADE COUNTY, FLORIDA AND IMPLEMENTING ORDER 3-38

**WHEREAS**, this Board desires to accomplish the purposes outlined in the accompanying memorandum, a copy of which is incorporated herein by reference,

**NOW, THEREFORE, BE IT RESOLVED BY THE BOARD OF COUNTY COMMISSIONERS OF MIAMI-DADE COUNTY, FLORIDA,** that:

**Section 1.** This Board finds it is in the best interest of Miami-Dade County to authorize a non-competitive designated purchase pursuant to Section 2-8.1(b)(3) of the County Code, by a two-thirds vote of the Board members present, and award Contract No. SS-10569, Dabico PCA and 400Hz Systems, Parts and Replacement, to Dabico Airport Solutions, Inc. in the amount of $26,122,966.00 for an initial five-year term with one, five-year option to renew for Miami-Dade Aviation Department.

**Section 2.** This Board authorizes the County Mayor or County Mayor's designee to execute the agreement, in substantially the form attached and made a part hereof, and exercise all provisions of the contract, including any cancellation, renewal, or extensions pursuant to section 2-8.1 of the Code of Miami-Dade County, Florida and Implementing Order 3-38.

The foregoing resolution was offered by Commissioner **Raquel A. Regalado**, who moved its adoption. The motion was seconded by Commissioner **Natalie Milian Orbis** and upon being put to a vote, the vote was as follows:

| | | | |
|---|---|---|---|
| Anthony Rodriguez, Chairman | **absent** | | |
| Kionne L. McGhee, Vice Chairman | **aye** | | |
| Marleine Bastien | **absent** | Juan Carlos Bermudez | **aye** |
| Sen. René García | **aye** | Oliver G. Gilbert, III | **aye** |
| Roberto J. Gonzalez | **aye** | Keon Hardemon | **aye** |
| Danielle Cohen Higgins | **aye** | Vicki L. Lopez | **aye** |
| Natalie Milian Orbis | **aye** | Raquel A. Regalado | **aye** |
| Micky Steinberg | **aye** | | |

The Chairperson thereupon declared this resolution duly passed and adopted this 1st day of September, 2026. This resolution shall become effective upon the earlier of (1) 10 days after the date of its adoption unless vetoed by the County Mayor, and if vetoed, shall become effective only upon an override by this Board, or (2) approval by the County Mayor of this resolution and the filing of this approval with the Clerk of the Board.

MIAMI-DADE COUNTY, FLORIDA
BY ITS BOARD OF
COUNTY COMMISSIONERS

JUAN FERNANDEZ-BARQUIN, CLERK

By: **Basia Pruna**
Deputy Clerk

Approved by County Attorney as
to form and legal sufficiency.

David M. Murray

Dabico PCA and 400Hz Systems, Parts and Replacement
Contract No. SS-10569

THIS AGREEMENT for the provision of Dabico PCA and 400Hz Systems, Parts and Replacement, made and entered into as of this _____ day of _____ by and between Dabico Airport Solutions, Inc., a corporation organized and existing under the laws of the State of Deleware, having its principal office at 5740 Decatur Blvd, Indianapolis, IN 46241 (the "Contractor"), and Miami-Dade County, a political subdivision of the State of Florida, having its principal office at 111 NW 1st Street, Miami, Florida 33128 (the "County") (collectively, the “Parties”).

WITNESSETH:

WHEREAS, the County and the Contractor have agreed to establish this Agreement for Dabico PCA and 400Hz systems, parts and replacement from the Contractor to the County, on a non-exclusive basis, that shall conform to the Scope of Services (Appendix A), and the requirements of this Agreement; and

WHEREAS, the Contractor desires to provide to the County such services for the County, in accordance with the terms and conditions of this Agreement;

NOW, THEREFORE, in consideration of the mutual covenants and agreements herein contained, the Parties hereto agree as follows:

**ARTICLE 1. DEFINITIONS**

Any or all of following words and expressions may be used in this Agreement and, if so, shall be construed as follows, except when it is clear from the context that another meaning is intended:

a) The words "Article" or "Articles" to mean the terms and conditions delineated in this Agreement.

b) The word "Contract" or “Agreement” to mean collectively the (i) Articles, (ii) Scope of Services, (iii) Price Schedule, (iv) all other appendices and attachments hereto, and (v) all amendments issued hereto.

c) The words "Contract Manager" to mean the Chief Procurement Officer, Strategic Procurement Department, or the duly authorized representative designated to manage the Contract.

d) The word "Contractor" to mean Dabico Airport Solutions, Inc., and its permitted successors.

e) The word "Days" to mean calendar days.

f) The word "Deliverables" to mean all documentation and any items of any nature submitted by the Contractor to the Project Manager for review and approval pursuant to the terms of this Agreement.

g) The words "Developed Works" to mean all rights, title, and interest in and to certain inventions, ideas, designs and methods, specifications and other documentation related thereto developed by the Contractor and its Subcontractors specifically for the County.

h) The words “Joint Venture” to mean an association of two or more persons, partnerships, corporations, or other business entities under a contractual agreement to conduct a specific business enterprise for a specified period with both sharing profits and losses.

i) The words "Licensed Software" to mean the software component(s) provided pursuant to the Contract.

j) The acronym “MDAD” to mean Miami-Dade County Aviation Department.

k) The words "Project Manager" to mean the County Mayor or the duly authorized representative designated to manage the Project.

l) The words "Scope of Services" to mean the document appended hereto as Appendix A, which details the Work to be performed

by the Contractor.

m) The words "Service" or "Services" to mean the provision of Dabico PCA and 400Hz systems, parts and replacement services in accordance with the Scope of Services.

n) The word "Subcontractor" or “Subconsultant” to mean any person, entity, firm, or corporation, other than the employees of the Contractor, who furnishes labor and/or materials, in connection with the Work, whether directly or indirectly, on behalf and/or under the direction of the Contractor and whether or not in privity of Contract with the Contractor.

o) The word "Work" to mean all matters and things required to be done by the Contractor in accordance with the provisions of this Contract.

**ARTICLE 2. ORDER OF PRECEDENCE**

If there is a conflict between or among the provisions of this Agreement, the order of precedence is as follows: 1) these Articles , 2) Scope of Services (Appendix A), 3) Price Schedule (Appendix B), and 4) all other appendices and attachments hereto.

**ARTICLE 3. RULES OF INTERPRETATION**

a) References to a specified Article, section or schedule shall be construed as reference to that specified Article, or section of, or schedule to this Agreement unless otherwise indicated.

b) Reference to any agreement or other instrument shall be deemed to include such agreement or other instrument as such agreement or other instrument may, from time to time, be modified, amended, supplemented, or restated in accordance with its terms.

c) The terms "hereof", "herein", "hereinafter", "hereby", "herewith", "hereto", and "hereunder" shall be deemed to refer to this Agreement.

d) The terms "directed", "required", "permitted", "ordered", "designated", "selected", "prescribed" or words of like import to mean respectively, the direction, requirement, permission, order, designation, selection or prescription of the Project Manager.

e) The terms "approved", acceptable", "satisfactory", "equal", "necessary", or words of like import to mean respectively, approved by, or acceptable or satisfactory to, equal or necessary in the opinion of the Project Manager.

f) The titles, headings, captions, and arrangements used in these Terms and Conditions are for convenience only and shall not be deemed to limit, amplify, or modify the terms of this Contract, nor affect the meaning thereof.

**ARTICLE 4. NATURE OF THE AGREEMENT**

a) This Agreement incorporates and includes all prior negotiations, correspondence, conversations, agreements, and understandings applicable to the matters contained in this Agreement. The Parties agree that there are no commitments, agreements, or understandings concerning the subject matter of this Agreement that are not contained in this Agreement, and that this Agreement contains the entire agreement between the Parties as to all matters contained herein. Accordingly, it is agreed that no deviation from the terms hereof shall be predicated upon any prior representations or agreements, whether oral or written. It is further agreed that any oral representations or modifications concerning this Agreement shall be of no force or effect, and that this Agreement may be modified, altered, or amended only by a written amendment duly executed by the Parties hereto or their authorized representatives.

b) The Contractor shall provide the services set forth in the Scope of Services and render full and prompt cooperation with the County in all aspects of the Work performed hereunder.

c) The Contractor acknowledges that this Agreement requires the performance of all things necessary for or incidental to the effective and complete performance of all Work under this Contract. All things not expressly mentioned in this Agreement but necessary to carrying out its intent are required by this Agreement, and the Contractor shall perform the same as though they were specifically mentioned, described, and delineated.

d) The Contractor shall furnish all labor, materials, tools, supplies, and other items required to perform the Work necessary for the completion of this Contract. All Work shall be accomplished at the direction of and to the satisfaction of the Project Manager.

e) The Contractor acknowledges that the County shall make all policy decisions regarding the Scope of Services. The Contractor agrees to provide input on policy issues in the form of recommendations. The Contractor shall implement all changes in providing Services hereunder as a result of a policy change implemented by the County. The Contractor agrees to act in an expeditious and fiscally sound manner in providing the County with input regarding the time and cost to implement said changes and in executing the activities required to implement said changes.

## ARTICLE 5. CONTRACT TERM

The Contract shall become effective on the date identified on the first page of this Agreement, and shall continue through the last day of the 60th month, thereafter. The County, at its sole discretion, may renew this Contract for one (1), five (5) year period. The County may extend this Contract for up to an additional one hundred-eighty (180) calendar days beyond the current Contract period and will notify the Contractor in writing of the extension. This Contract may be extended beyond the initial one hundred-eighty (180) calendar day extension period by mutual agreement between the County and the Contractor, and upon approval by the Board of County Commissioners (the "Board").

## ARTICLE 6. NOTICE REQUIREMENTS

All notices required or permitted under this Agreement shall be in writing and shall be deemed sufficiently served if delivered by: (i) Registered or Certified Mail, with return receipt requested; (ii) by courier service personally; (iii) Federal Express Corporation or other nationally recognized carrier to be delivered overnight; or (iv) via e-mail (if provided below) with delivery of hard copy pursuant to (i), (ii), or (iii) in this paragraph. The addresses for such notice are as follows:

**(1) To the County**

a) to the Project Manager:

Miami-Dade County Aviation Department
Attention: Eugene Strozier, Chief Aviation Terminal Building Maintenance
Address: Miami International Airport – Terminal Concourse D 4th Floor
Phone: 305-876-0270
E-mail: estrozier@flyMIA.com

and

b) to the Contract Manager:

Miami-Dade County
Strategic Procurement Department
Attention: Chief Procurement Officer
111 NW 1st Street, Suite 1300
Miami, FL 33128-1974
Phone: (305) 375-4900
Email: cpo@miamidade.gov

**(2) To the Contractor**

Contractor Name: Dabico Airport Solutions, Inc
Attention: Felix Covarrubias
Address: 5740 Decatur Blvd, Indianapolis, IN 46241
Phone: 714-728-4690
E-mail: felix.covarrubias@dabico.com

Either party may at any time designate a different address and/or contact person by giving notice as provided above to the other party. Such notices shall be deemed given upon receipt by the addressee.

**ARTICLE 7. PAYMENT FOR SERVICES/AMOUNT OBLIGATED**

The Contractor warrants that it has reviewed the County's requirements and has asked such questions and conducted such other inquiries as the Contractor deemed necessary in order to determine the price the Contractor will charge to provide the Work to be performed under this Contract. The compensation for all Work performed under this Contract, including all costs associated with such Work, shall be paid in accordance with Appendix B. The County shall have no obligation to pay the Contractor any additional sum in excess of this amount, except for a change and/or modification to the Contract, which is approved and executed in writing by the County and the Contractor.

All Work undertaken by the Contractor before County's approval of this Contract shall be at the Contractor's risk and expense.

With respect to travel costs and travel-related expenses, the Contractor agrees to adhere to Section 112.061 of the Florida Statutes as it pertains to out-of-pocket expenses, including employee lodging, transportation, per diem, and all miscellaneous cost and fees. The County shall not be liable for any such expenses that have not been approved in advance, in writing, by the County.

**ARTICLE 8. PRICING**

Prices and percent discount off OEM catalog/price list shall remain firm and fixed for the term of the Contract, including any extension periods, pursuant to Appendix B; however, the Contractor may offer incentive discounts to the County at any time during the Contract term, including any extension thereof.

Percent discount off OEM catalog/price list for Spare Parts (Appendix C) is full compensation to Contractor inclusive of delivery, fuel, fees, and any other element of cost or price. The catalog/price list is subject to adjustment once a year annually on January 1. Percent discount from catalog/price list shall remain fixed and firm for the entirety of the Contract term, except that the Contractor may offer larger discounts, or the County may negotiate larger discounts with the Contractor based on market research data and other factors that influence price, such as downward movement of applicable price indexes.

**ARTICLE 9. METHOD AND TIMES OF PAYMENT**

The Contractor may bill the County periodically, but not more than once per month, upon invoices certified by the Contractor pursuant to Appendix B. All invoices shall be taken from the books of account kept by the Contractor, shall be supported by copies of payroll distribution, receipt bills or other documents reasonably required by the County, shall show the County's contract number, and shall have a unique invoice number assigned by the Contractor. It is the policy of Miami-Dade County that payment for all purchases by County agencies and the Public Health Trust (the "Trust"), shall be made in a timely manner and that interest payments be made on late payments. All firms, including Small Business Enterprises, providing goods and services to the County, shall receive payment to maintain sufficient cash flow. In accordance with Section 218.74 of the Florida Statutes, and Section 2-8.1.4 of the Code of Miami-Dade County (the "Code"), the time at which payment shall be due from the County or Trust shall be forty-five (45) calendar days from receipt of a proper invoice. Billings from prime contractors under services and goods contracts with the County or Trust, that are Small Business Enterprise contract set-aside, bid preference or contain a subcontractor goal, shall be promptly reviewed and payment made by the County or Trust on those amounts not under dispute within fourteen (14) calendar days of receipt of such billing by the County or the Trust pursuant to Sections 2-8.1.1.1.1 and 2-8.1.1.1.2 of the Code. All payments due from the County or Trust, and not made within the time specified by this section shall bear interest from thirty (30) days after the due date at the rate of one percent (1%) per month on the unpaid balance. Further, proceedings to resolve disputes for payment of obligations shall be concluded by final written decision of the County Mayor, or his or her designee(s), not later than sixty (60) days after the date on which the proper invoice was received by the County or Trust.

In accordance with Miami-Dade County Implementing Order No. 3-9, Accounts Receivable Adjustments, if money is owed by the Contractor to the County, whether under this Contract or for any other purpose, the County reserves the right to retain such amount from payment due by County to the Contractor under this Contract. Such retained amount shall be applied to the amount owed by the Contractor to the County. The Contractor shall have no further claim to such retained amounts which shall be deemed full accord and satisfaction of the amount due by the County to the Contractor for the applicable payment due herein.

Invoices and associated back-up documentation shall be submitted electronically or in hard copy format by the Contractor to the County as follows:

- Electronic submission (preferred) to payables@miami-airport.com; or
- Hard copy format mailed to and bill to:

  Miami-Dade County Aviation Department
  PO Box 526624
  Miami, FL 33152-6624
  Attention: Accounts Payable

The County may at any time designate a different address and/or contact person by giving written notice to the other party.

**ARTICLE 10. INDEMNIFICATION AND INSURANCE**

The Contractor shall indemnify, defend and hold harmless the County and its officers, employees, agents and instrumentalities from any and all liability, losses or damages, including attorneys' fees and costs of defense, which the County or its officers, employees, agents or instrumentalities may incur as a result of claims, demands, suits, causes of actions or proceedings of any kind or nature arising out of, relating to or resulting from the performance of this Agreement by the Contractor or its employees, agents, servants, partners principals or Subcontractors. The Contractor shall pay all claims and losses in connection therewith and shall investigate and defend all claims, suits or actions of any kind or nature in the name of the County, where applicable, including appellate proceedings, and shall pay all costs, judgments, and attorney's fees which may issue thereon. The Contractor's indemnification and liability is limited to the value of the contract, thereby complying with the contract insurance requirements, but also only amounts for which the County is uninsured. Exclusions to the Contractor's indemnification and liability are those caused by the County or other contractors, all environmental, and all claims of County employees except those based on physical injury, any claims resulting from following directions of the County or the Project Manager.

Upon County's notification, the Contractor shall furnish to the Strategic Procurement Department, certificate(s) of insurance that indicate that insurance coverage has been obtained, which meets the requirements as outlined below:

1. Worker's Compensation Insurance for all employees of the Contractor as required by Chapter 440, Florida Statute.

2. Commercial General Liability Insurance on a comprehensive basis in an amount not less than $1,000,000.00 combined single limit per occurrence for bodily injury and property damage. **Miami-Dade County must be shown as an additional insured with respect to this coverage.**

3. Environmental Liability Insurance with a minimum of $1,000,000 per occurrence and an aggregate of $2,000,000.

4. Automobile Liability Insurance covering all owned, non-owned and hired vehicles used in connection with the work, in an amount not less than $1,000,000.00* combined single limit per occurrence for bodily injury and property damage.

   ***Under no circumstances are Contractors permitted on the Aviation Department, Aircraft Operating Airside (A.O.A) at Miami International Airport without increasing automobile coverage to $5 million. Only vehicles owned or leased by a company will be authorized. Vehicles owned by individuals will not be authorized. $1 million limit applies at all other airports.**

All insurance policies required above shall be issued by companies authorized to do business under the laws of the State of Florida, with the following qualifications:

The company must be rated no less than "**A-**" as to management, and no less than "**Class VII**" as to financial strength, by Best's Insurance Guide, published by A.M. Best Company, Oldwick, New Jersey, or its equivalent, subject to the approval of the County Risk Management Division.

OR

The company must hold a valid Florida Certificate of Authority as shown in the latest "List of All Insurance Companies Authorized or Approved to Do Business in Florida", issued by the State of Florida Department of Financial Services and are a member of the Florida Guaranty Fund.

**The mailing address of Miami-Dade County as the certificate holder must appear on the certificate of insurance as follows:**

**Miami-Dade County**
**Attention: MDAD Risk Management**
**PO BOX 025504**
**Miami, FL 33102-5504**

Compliance with the foregoing requirements shall not relieve the Contractor of this liability and obligation under this section or under any other section in this Agreement.

Award of this Contract is contingent upon the receipt of the insurance documents, as required, within ten (10) business days. If the certificate of insurance is received within the specified timeframe but not in the manner prescribed in this Agreement, the Contractor shall have an additional five business days to submit a corrected certificate to the County. If the Contractor fails to submit the required insurance documents in the manner prescribed in this Agreement within fifteen (15) business days, the Contractor shall be in default of the contractual terms and conditions and award of the Contract may be rescinded, unless such timeframe for submission has been extended by the County.

The Contractor shall assure that the certificate of insurance required in conjunction with this section remain in full force for the term of the Contract, including any renewal or extension periods that may be exercised by the County. If the certificate of insurance is scheduled to expire during the term of the Contract, the Contractor shall submit new or renewed certificate of insurance to the County before such expiration. If expired certificate of insurance is/are not replaced or renewed to cover the Contract period, the County may suspend the Contract until the new or renewed certificate is/are received by the County in the manner prescribed herein. If such suspension exceeds thirty (30) calendar days, the County may, at its sole discretion, terminate the Contract for cause and the Contractor shall be responsible for all direct and indirect costs associated with such termination.

## ARTICLE 11. WARRANTY OF SERVICES, PARTS, AND EQUIPMENT

a) Warranty of Services
The Contractor warrants that all Services performed under this Contract will, at the time of acceptance by the County, be free from defects in workmanship and conform to the requirements of this Contract. The County will give written notice of any defect or nonconformance to the Contractor within 365 days from the date of acceptance by the County, at which time the Contractor shall correct or reperform any defective or nonconforming Services within 30 days, at no cost to the County.

Any payments made by the County to the Contractor, whether partial or full, shall not constitute a waiver of warranty and any Services corrected or reperformed by the Contractor shall be subject to this clause to the same extent as Services initially performed.

If the Contractor fails or refuses to correct or reperform the Services as prescribed, the County may invoice the Contractor for the reimbursement of any or all payments made, obtain the Services from another source and collect re-procurement costs from the Contractor, and/or terminate its Contract with the Contractor in accordance with Article 26.

b) Warranty of Parts and Equipment
All parts and equipment delivered under this Contract shall be new, warranted for their merchantability, and fit for the particular purpose herein. In the event any of the parts and equipment supplied to the County by the Contractor are found to be defective or do not conform to specifications: (1) the parts and/or equipment may be returned to the Contractor at its expense or, (2) the County may require the Contractor to replace the materials at its expense.

In addition, the Contractor warrants that all repairs delivered under this Contract will be free from defects in quality of work and conform to the requirements of this Contract for a minimum period of one (1) year after the County's acceptance. Warranties shall remain in force for at least one (1) year from the date of the County's acceptance; regardless of whether the Contractor is under Contract with the County at the time of defect.

Should an item repaired by the Contractor under this Contract become defective or nonconforming to the Contract requirements while under warranty, the County will give written notice to the Contractor within 365 days from the date of discovering the defect or nonconformance, at which time the Contractor shall reperform the repair within 30 days, at no cost to the County.

Any payments made by the County to the Contractor, whether partial or full, shall not constitute a waiver of warranty and any parts replaced or repairs reperformed by the Contractor shall be subject to this clause to the same extent as the parts and repairs originally delivered.

If the Contractor fails or refuses to reperform a defective or nonconforming repair as prescribed, the County may charge the Contractor in accordance with Article 13, Performance Guarantees and/or terminate its Contract with the Contractor in accordance with Article 26.

All costs incidental to repair or replacement under this warranty agreement, including but not limited to any packaging, shipping, or travel costs, shall be borne exclusively by the Contractor. When a product under warranty is replaced, a new full warranty period for that product will commence again from the date the replacement was provided.

Acceptance of any or all parts of the Services by the County does not waive any conditions established by the warranty. Further this warranty shall not apply to equipment which has been subject to storage by the County, or any defects arising from such storage, lack of servicing or preventative maintenance, misuse, improper operation or repair, alteration, modification, relocation, neglect or accident. Repairs or replacements shall be exclusively within the discretion of the Contractor. Specifically excluded from this warranty are consumable items such as (but not limited to) aircraft service cables, service hoses, adapters, lubricant oil, fan belts, light bulbs, fuses, and replaceable filters or any other replaceable or consumable part.

**ARTICLE 12. MANNER OF PERFORMANCE**

a) The Contractor shall provide the Work described herein in a competent and professional manner satisfactory to the County in accordance with the terms and conditions of this Agreement. The County shall be entitled to a satisfactory performance of all Work described herein and to full and prompt cooperation by the Contractor in all aspects of the Work. At the request of the County, the Contractor shall promptly remove from the Project any Contractor's employee, Subcontractor, or any other person performing Work hereunder. The Contractor agrees that such removal of any of its employees does not require the termination or demotion of any employee by the Contractor.

b) The Contractor agrees to defend, hold harmless and indemnify the County and shall be liable and responsible for all claims, suits, actions, damages, and costs (including attorneys' fees and court costs) made against the County, occurring on account of, arising from or in connection with the removal and replacement of any Contractor's personnel performing Services hereunder at the behest of the County. Removal and replacement of any Contractor's personnel as used in this Article shall not require the termination and/or demotion of such Contractor's personnel.

c) The Contractor always agrees that at all times it will employ, maintain, and assign to the performance of the Work a sufficient number of competent and qualified professionals and other personnel to meet the requirements to which reference is hereinafter made. The Contractor agrees to adjust its personnel staffing levels or to replace any of its personnel if so, directed upon reasonable request from the County, should the County make a determination, in its sole discretion, that said personnel staffing is inappropriate or that any individual is not performing in a manner consistent with the requirements for such a position.

d) The Contractor warrants and represents that its personnel have the proper skill, training, background, knowledge, experience, rights, authorizations, integrity, character, and licenses as necessary to perform the Work described herein, in a competent and professional manner.

e) The Contractor shall always cooperate with the County and coordinate its respective work efforts to maintain the progress most effectively and efficiently in performing the Work.

f) The Contractor shall comply with all provisions of all federal, state, and local laws, statutes, ordinances, and regulations that are applicable to the performance of this Agreement.

**ARTICLE 13. PERFORMANCE GUARANTEES**

In order to assure the County receives the quality and response necessary to ensure the safety of its citizens and County employees and achieve optimal maintenance of equipment, the County may impose charges in the amount listed below as liquidated damages, and not

as a penalty. These liquidated damages are deducted against the monthly invoices from the Contractor. When the outstanding invoices are insufficient, the County may invoice the Contractor for failure to perform in accordance with the contract.

| Incident Type | Liquidated Damages |
|---|---|
| Failure to respond to an on-site scheduled repair and/or emergency service call during the designated timeframe set forth in Appendix A. | 10% of the labor and materials cost per occurrence that shall be deducted from the invoice for said infraction. |
| Failure to provide service. | 10% of the labor and materials cost per occurrence that shall be deducted from the invoice for said infraction. |
| Failure to provide inventory parts (in production) and parts that are still within the life cycle stated in Appendix A Section 5. | 10% of the labor and materials cost per occurrence that shall be deducted from the invoice for said infraction. |

**ARTICLE 14. SECURITY AND TRAINING REQUIREMENTS**

MDAD operates under strict security regulations. These regulations involve the issuance Security Identification Display Area (SIDA) credentials.

Contractors performing services at MDAD must follow all required security procedures. This will include security checks and passes for all employees, a special driving course for those who operate a vehicle on the aircraft operating area (AOA), additional badges to work within the US Customs service area and, may include bonding for a Customs I.D. For Customs ID, call 305-345-6528 or email miamiairportsecurityoffice@cbp.dhs.gov for information. For MDAD ID, call 305-876-7188 for appointment and to pick-up package. Contractors are responsible for all costs incurred in obtaining security badges. Security clearance must be obtained prior to start of Contract.

Contractor shall be subject to all MDAD requirements, U.S. Transportation Security Administration (TSA), and U.S. Customs and Border Protection (CBP) mandates, pertaining to the issuance of airport identification badges, including: personnel completion of the Security Identification Display Area (SIDA) training conducted by MDAD, and respective background checks required by the TSA and CBP Unescorted Access Privilege Rule. Contractor shall be required to conduct background investigations and to furnish certain data on such personnel before issuance of such ID badges, which data may include fingerprinting applicants for such badges. All personnel working need to be badged before work commences. Badges must be displayed at all times. The fee for ID badges/background checks is approximately $75.00 per employee biannually. Parking for the Contractor, its staff and any Subcontractors shall be provided at the Contractor's expense. The current rates per decal are as follows: Four (4) months – Fee of $120; Eight (8) months – Fee of $240; Twelve (12) months – Fee of $360. Rates are subject to change. Updated rates are published at http://www.miami-airport.com/airport-parking.asp#short.

The County will provide, on as needed basis, training to the Contractor's employees in order to facilitate access to restricted areas where services will be performed.

**ARTICLE 15. EMPLOYEES OF THE CONTRACTOR**

All employees of the Contractor shall be, at all times, employees of the Contractor under its sole direction and not employees or agents of the County. The Contractor shall supply competent employees. Miami-Dade County may require the Contractor to remove an employee it deems careless, incompetent, insubordinate or otherwise objectionable and whose continued employment on County property is not in the best interest of the County. Each employee shall have and wear proper identification.

**ARTICLE 16. INDEPENDENT CONTRACTOR RELATIONSHIP**

The Contractor is, and shall be, in the performance of all Work and activities under this Agreement, an independent contractor, and not an employee, agent or servant of the County. All persons engaged in any of the Work performed or Services provided pursuant to this Agreement shall always, and in all places, be subject to the Contractor's sole direction, supervision, and control. The Contractor shall exercise control over the means and manner in which it and its employees perform the Work, and in all respects the Contractor's relationship and the relationship of its employees to the County shall be that of an independent contractor and not as employees and agents of the County.

The Contractor does not have the power or authority to bind the County in any promise, agreement, or representation other than

specifically provided for in this Agreement.

**ARTICLE 17. DISPUTE RESOLUTION PROCEDURE**

a) The Contractor hereby acknowledges that the Project Manager will determine in the first instance all questions of any nature whatsoever arising out of, under, or in connection with, or in any way related to or on account of, this Agreement including without limitations: questions as to the value, acceptability and fitness of the Services; questions as to either party's fulfillment of its obligations under the Contract; negligence, fraud or misrepresentation; questions as to the interpretation of the Scope of Services; and claims for damages, compensation and losses.

b) The Contractor shall be bound by all determinations or orders and shall promptly comply with every order of the Project Manager, including the withdrawal or modification of any previous order and regardless of whether the Contractor agrees with the Project Manager's determination or order. Where orders are given orally, they will be issued in writing by the Project Manager as soon thereafter as is practicable.

c) The Contractor must, in the final instance, seek to resolve every difference concerning the Agreement with the Project Manager. In the event that the Contractor and the Project Manager are unable to resolve their difference, the Contractor may initiate a dispute in accordance with the procedures set forth in this Article. **Exhaustion of these procedures shall be a condition precedent to any lawsuit permitted hereunder.**

d) In the event of such dispute, the Parties authorize the County Mayor or designee, who may not be the Project Manager or anyone associated with this Project, acting personally, to decide all questions arising out of, under, or in connection with, or in any way related to or on account of the Agreement (including but not limited to claims in the nature of breach of contract, fraud or misrepresentation arising either before or subsequent to execution hereof) and the decision of each with respect to matters within the County Mayor's purview as set forth above shall be conclusive, final and binding on the Parties. Any such dispute shall be brought, if at all, before the County Mayor within ten (10) days of the occurrence, event or act out of which the dispute arises.

e) The County Mayor may base this decision on such assistance as may be desirable, including advice of experts, but in any event shall base the decision on an independent and objective determination of whether Contractor's performance or any Deliverable meets the requirements of this Agreement and any specifications with respect thereto set forth herein. The effect of any decision shall not be impaired or waived by any negotiations or settlements or offers made in connection with the dispute, whether or not the County Mayor participated therein, or by any prior decision of others, which prior decision shall be deemed subject to review, or by any termination or cancellation of the Agreement. All such disputes shall be submitted in writing by the Contractor to the County Mayor for a decision, together with all evidence and other pertinent information regarding such questions, in order that a fair and impartial decision may be made. Whenever the County Mayor is entitled to exercise discretion or judgement or to make a determination or form an opinion pursuant to the provisions of this Article, such action shall be fair and impartial when exercised or taken. The County Mayor, as appropriate, shall render a decision in writing and deliver a copy of the same to the Contractor. Except as such remedies may be limited or waived elsewhere in the Agreement, Contractor reserves the right to pursue any remedies available under law after exhausting the provisions of this Article.

f) This Article will survive the termination or expiration of this Agreement.

**ARTICLE 18. MUTUAL OBLIGATIONS**

a) This Agreement, including attachments and appendices to the Agreement, shall constitute the entire Agreement between the Parties with respect hereto and supersedes all previous communications and representations or agreements, whether written or oral, with respect to the subject matter hereto unless acknowledged in writing by the duly authorized representatives of the Parties.

b) Nothing in this Agreement shall be construed for the benefit, intended or otherwise, of any third party that is not a parent or subsidiary of a party or otherwise related (by virtue of ownership control or statutory control) to a party.

c) In those situations where this Agreement imposes an indemnity obligation on the Contractor, the County may, at its expense, elect to participate in the defense if the County should so choose. Furthermore, the County may at its own expense defend or settle any such claims if the Contractor fails to diligently defend such claims, and thereafter seek indemnity for such defense or

settlement costs from the Contractor.

**ARTICLE 19. QUALITY ASSURANCE/QUALITY ASSURANCE RECORD KEEPING**

The Contractor shall maintain, and shall require that its Subcontractors and suppliers maintain, complete and accurate records to substantiate compliance with the requirements set forth in the Agreement. The Contractor and its Subcontractors and suppliers shall retain such records, and all other documents relevant to the Work furnished under this Agreement for a period of three (3) years from the expiration date of this Agreement and any extension thereof.

**ARTICLE 20. AUDITS**

The County, or its duly authorized representatives and governmental agencies, shall until the expiration of five (5) years after the expiration of this Agreement and any extension thereof, have access to and the right to examine and reproduce any of the Contractor's books, documents, papers and records and of its Subcontractors and suppliers which apply to all matters of the County. Such records shall subsequently conform to Generally Accepted Accounting Principles requirements, as applicable, and shall only address those transactions related to this Agreement.

Pursuant to Section 2-481 of the Code, the Contractor will grant access to the Commission Auditor to all financial and performance related records, property, and equipment purchased in whole or in part with government funds within five (5) business days of the Commission Auditor's request provided, however, if it is not reasonably possible to comply with the Commission Auditor's request within five (5) business days, then access to the requested information shall be provided within the limited reasonable time necessary to retrieve the information. The Contractor agrees to maintain an accounting system that provides accounting records that are supported with adequate documentation, and adequate procedures for determining the allowability and allocability of costs.

**ARTICLE 21. SUBSTITUTION OF PERSONNEL**

In the event the Contractor needs to substitute personnel for the key personnel identified in the Scope of Services, the Contractor must notify the County in writing and request written approval for the substitution at least ten (10) business days prior to effecting such substitution. However, such substitution shall not become effective until the County has approved said substitution.

**ARTICLE 22. CONSENT OF THE COUNTY REQUIRED FOR ASSIGNMENT**

The Contractor shall not assign, transfer, convey or otherwise dispose of this Agreement, including its rights, title, or interest in or to the same or any part thereof without the prior written consent of the County.

**ARTICLE 23. SUBCONTRACTUAL RELATIONS**

a) If the Contractor causes any part of this Agreement to be performed by a Subcontractor, the provisions of this Contract will apply to such Subcontractor and its officers, agents and employees in all respects as if it and they were employees of the Contractor; and the Contractor will not be in any manner thereby discharged from its obligations and liabilities hereunder, but will be liable hereunder for all acts, omissions, and negligence of the Subcontractor, its officers, agents, and employees, as if they were employees of the Contractor. The services performed by the Subcontractor will be subject to the provisions hereof as if performed directly by the Contractor.

b) The Contractor, before making any subcontract for any portion of the Work, will state in writing to the County the name of the proposed Subcontractor, the portion of the Work which the Subcontractor is to do, the place of business of such Subcontractor, and such other information as the County may require. The County will have the right to require the Contractor not to award any subcontract to a person, firm or corporation disapproved by the County.

c) Before entering into any subcontract hereunder, the Contractor will inform the Subcontractor fully and completely of all provisions and requirements of this Agreement relating either directly or indirectly to the Work to be performed. Such Work performed by such Subcontractor will strictly comply with the requirements of this Contract.

d) In order to qualify as a Subcontractor satisfactory to the County, in addition to the other requirements herein provided, the Subcontractor must be prepared to prove to the satisfaction of the County that it has the necessary facilities, skill and experience, and ample financial resources to perform the Work in a satisfactory manner. To be considered skilled and experienced, the

Subcontractor must show to the satisfaction of the County that it has satisfactorily performed Work of the same general type which is required to be performed under this Agreement.

e) The County shall have the right to withdraw its consent to a subcontract if it appears to the County that the Subcontractor will delay, prevent, or otherwise impair the performance of the Contractor's obligations under this Agreement. All Subcontractors are required to protect the confidentiality of the County's proprietary and confidential information. Contractor shall furnish to the County copies of all subcontracts between Contractor and Subcontractors and suppliers hereunder. Within each such subcontract, there shall be a clause for the benefit of the County in the event the County finds the Contractor in breach of this Contract, permitting the County to request completion by the Subcontractor of its performance obligations under the subcontract. The clause shall include an option for the County to pay the Subcontractor directly for the performance by such Subcontractor. Notwithstanding, the foregoing shall neither convey nor imply any obligation or liability on the part of the County to any Subcontractor hereunder as more fully described herein.

**ARTICLE 24. ASSUMPTION, PARAMETERS, PROJECTIONS, ESTIMATES AND EXPLANATIONS**

The Contractor understands and agrees that any assumptions, parameters, projections, estimates, and explanations presented by the County were provided to the Contractor for evaluation purposes only. However, since these assumptions, parameters, projections, estimates, and explanations represent predictions of future events the County makes no representations or guarantees; and the County shall not be responsible for the accuracy of the assumptions presented; and the County shall not be responsible for conclusions to be drawn therefrom; and any assumptions, parameters, projections, estimates and explanations shall not form the basis of any claim by the Contractor. The Contractor accepts all risk associated with using this information.

**ARTICLE 25. SEVERABILITY**

If this Agreement contains any provision found to be unlawful, the same shall be deemed to be of no effect and shall be deemed stricken from this Agreement without affecting the binding force of this Agreement as it shall remain after omitting such provision.

**ARTICLE 26. TERMINATION AND SUSPENSION OF WORK**

a) This Agreement may be terminated for cause by the County for reasons including, but not limited to, (i) the Contractor commits an Event of Default (as defined below in Article 27) and fails to cure said Event of Default (as delineated below in Article 28), or (ii) Contractor attempts to meet its contractual obligations with the County through fraud, misrepresentation, or material misstatement.

b) This Agreement may also be terminated for convenience by the County. Termination for convenience is effective on the termination date stated in the written notice provided by the County.

c) If County terminates this Agreement for cause under Article 26(a) above, the County may, in its sole discretion, also terminate or cancel any other contract(s) that such individual or corporation or other entity has with the County and that such individual, corporation or other entity shall pay all direct or indirect costs associated with such termination or cancellation, including attorneys' fees.

d) The foregoing notwithstanding, if the Contractor attempts to meet its contractual obligations with the County through fraud, misrepresentation, or material misstatement, the Contractor may be debarred from County contracting in accordance with the County debarment procedures. The Contractor may be subject to debarment for failure to perform and all other reasons set forth in Section 10-38 of the Code.

e) In the event that the County exercises its right to terminate this Agreement, the Contractor shall, upon receipt of such notice, unless otherwise directed by the County:

i. stop Work on the date specified in the notice (the "Effective Termination Date");

ii. take such action as may be necessary for the protection and preservation of the County's materials and property;

iii. cancel orders;

iv. assign to the County and deliver to any location designated by the County any non-cancelable orders for Deliverables that are not capable of use except in the performance of this Agreement and has been specifically developed for the sole purpose of this Agreement and not incorporated in the Services;

v. take no action which will increase the amounts payable by the County under this Agreement; and

vi. reimburse the County a proration of the fees paid annually based on the remaining months of the term per the compensation listed in Appendix B.

f) In the event that the County exercises its right to terminate this Agreement, the Contractor will be compensated as stated in the payment Articles herein for the:

i. portion of the Services completed in accordance with the Agreement up to the Effective Termination Date; and

ii. non-cancelable Deliverables that are not capable of use except in the performance of this Agreement and has been specifically developed for the sole purpose of this Agreement, but not incorporated in the Services.

g) All compensation pursuant to this Article are subject to audit.

h) In the event the Contractor fails to cure an Event of Default timely, the County may terminate this Agreement, and the County or its designated representatives may immediately take possession of all applicable equipment, materials, products, documentation, reports, and data.

**ARTICLE 27. EVENT OF DEFAULT**

a) An Event of Default is a material breach of this Agreement by the Contractor, and includes but is not limited to the following:

i. the Contractor has not delivered Deliverables and/or Services on a timely basis;

ii. the Contractor has refused or failed to supply enough properly skilled staff personnel;

iii. the Contractor has failed to make prompt payment to Subcontractors or suppliers for any Services;

iv. the Contractor has become insolvent (other than as interdicted by the bankruptcy laws), or has assigned the proceeds received for the benefit of the Contractor's creditors, or the Contractor has taken advantage of any insolvency statute or debtor/creditor law or if the Contractor's affairs have been put in the hands of a receiver;

v. the Contractor has failed to obtain the approval of the County where required by this Agreement;

vi. the Contractor has failed to provide "adequate assurances" as required under subsection b below;

vii. the Contractor has failed in the representation of any warranties stated herein; or

viii. the Contractor fails to comply with Article 42.

b) When, in the opinion of the County, reasonable grounds for uncertainty exist with respect to the Contractor's ability to perform the Work or any portion thereof, the County may request that the Contractor, within the timeframe set forth in the County's request, provide adequate assurances to the County, in writing, of the Contractor's ability to perform in accordance with the terms of this Agreement. Until the County receives such assurances, the County may request an adjustment to the compensation received by the Contractor for portions of the Work which the Contractor has not performed. In the event that the Contractor fails to provide to the County the requested assurances within the prescribed timeframe, the County may:

i. treat such failure as a repudiation and/or material breach of this Agreement; and

ii. resort to any remedy for breach provided herein or at law, including but not limited to, taking over the performance of the

Work or any part thereof either by itself or through others.

**ARTICLE 28. NOTICE OF DEFAULT - OPPORTUNITY TO CURE**

If an Event of Default occurs in the determination of the County, the County shall notify the Contractor (the "Default Notice"), specifying the basis for such default, and advising the Contractor that such default must be cured immediately, or this Agreement with the County may be terminated. Notwithstanding, the County may, in its sole discretion, allow the Contractor to rectify the default to the County's reasonable satisfaction within a thirty (30) day period. The County may grant an additional period of such duration as the County shall deem appropriate without waiver of any of the County's rights hereunder, so long as the Contractor has commenced curing such default and is effectuating a cure with diligence and continuity during such thirty (30) day period or any other period which the County prescribes. The Default Notice shall specify the date the Contractor shall discontinue the Work upon the Effective Termination Date.

**ARTICLE 29. REMEDIES IN THE EVENT OF DEFAULT**

If an Event of Default occurs, whether or not the County elects to terminate this Agreement as a result thereof, the Contractor shall be liable for all damages resulting from the default, irrespective of whether the County elects to terminate the Agreement, including but not limited to:

a) lost revenues;

b) the difference between the cost associated with procuring Services hereunder and the amount actually expended by the County for re-procurement of Services, including procurement and administrative costs; and

c) such other direct damages.

The Contractor shall also remain liable for any liabilities and claims related to the Contractor's default. The County may also bring any suit or proceeding for specific performance or for an injunction.

**ARTICLE 30. PATENT AND COPYRIGHT INDEMNIFICATION**

a) The Contractor shall not infringe on any copyrights, trademarks, service marks, trade secrets, patent rights, other intellectual property rights or any other third-party proprietary rights in the performance of the Work.

b) The Contractor warrants that all Deliverables furnished hereunder, including but not limited to equipment, programs, documentation, software, analyses, applications, methods, ways, processes, and the like, do not infringe upon or violate any copyrights, trademarks, service marks, trade secrets, patent rights, other intellectual property rights or any other third party proprietary rights.

c) The Contractor shall be liable and responsible for any and all claims made against the County for infringement of patents, copyrights, service marks, trade secrets or any other third party proprietary rights, by the use or supplying of any programs, documentation, software, analyses, applications, methods, ways, processes, and the like, in the course of performance or completion of, or in any way connected with, the Work, or the County's continued use of the Deliverables furnished hereunder. Accordingly, the Contractor at its own expense, including the payment of attorney's fees, shall indemnify, and hold harmless the County and defend any action brought against the County with respect to any claim, demand, cause of action, debt, or liability.

d) In the event any Deliverable or anything provided to the County hereunder, or portion thereof is held to constitute an infringement and its use is or may be enjoined, the Contractor shall have the obligation to, at the County's option to (i) modify, or require that the applicable Subcontractor or supplier modify, the alleged infringing item(s) at its own expense, without impairing in any respect the functionality or performance of the item(s), or (ii) procure for the County, at the Contractor's expense, the rights provided under this Agreement to use the item(s).

e) The Contractor shall be solely responsible for determining and informing the County whether a prospective supplier or Subcontractor is a party to any litigation involving patent or copyright infringement, service mark, trademark, violation, or proprietary rights claims or is subject to any injunction which may prohibit it from providing any Deliverable hereunder. The Contractor shall enter into agreements with all suppliers and Subcontractors at the Contractor's own risk. The County may reject any Deliverable that it believes to be the subject of any such litigation or injunction, or if, in the County's judgment, use thereof

would delay the Work or be unlawful.

**ARTICLE 31. CONFIDENTIALITY**

a) All Developed Works and other materials, data, transactions of all forms, financial information, documentation, inventions, designs and methods obtained from the County in connection with the Services performed under this Agreement, made or developed by the Contractor or its Subcontractors in the course of the performance of such Services, or the results of such Services, or for which the County holds the proprietary rights, constitute Confidential Information and may not, without the prior written consent of the County, be used by the Contractor or its employees, agents, Subcontractors or suppliers for any purpose other than for the benefit of the County, unless required by law. In addition to the foregoing, all County employee information and County financial information shall be considered Confidential Information and shall be subject to all the requirements stated herein. Neither the Contractor nor its employees, agents, Subcontractors, or suppliers may sell, transfer, publish, disclose, display, license or otherwise make available to others any part of such Confidential Information without the prior written consent of the County. Additionally, the Contractor expressly agrees to be bound by and to defend, indemnify and hold harmless the County, and their officers and employees from the breach of any federal, state, or local law in regard to the privacy of individuals.

b) The Contractor shall advise each of its employees, agents, Subcontractors, and suppliers who may be exposed to such Confidential Information of their obligation to keep such information confidential and shall promptly advise the County in writing if it learns of any unauthorized use or disclosure of the Confidential Information by any of its employees or agents, or Subcontractor's or supplier's employees, present or former. In addition, the Contractor agrees to cooperate fully and provide any assistance necessary to ensure the confidentiality of the Confidential Information.

c) In the event of a breach of this Article damages may not be an adequate remedy and the County shall be entitled to injunctive relief to restrain any such breach or threatened breach. Unless otherwise requested by the County, upon the completion of the Services performed hereunder, the Contractor shall immediately turn over to the County all such Confidential Information existing in tangible form, and no copies thereof shall be retained by the Contractor or its employees, agents, Subcontractors, or suppliers without the prior written consent of the County. A certificate evidencing compliance with this provision and signed by an officer of the Contractor shall accompany such materials.

**ARTICLE 32. PROPRIETARY INFORMATION**

As a political subdivision of the State of Florida, Miami-Dade County is subject to the stipulations of the public records laws of the State of Florida (the "Public Records Law").

The Contractor acknowledges that all computer software in the County's possession may constitute or contain information or materials which the County has agreed to protect as proprietary information from disclosure or unauthorized use and may also constitute or contain information or materials which the County has developed at its own expense, the disclosure of which could harm the County's proprietary interest therein.

During the term of the Contract, the Contractor will not use directly or indirectly for itself or for others, or publish or disclose to any third party, or remove from the County's property, any computer programs, data compilations, or other software which the County has developed, has used, or is using, is holding for use, or which are otherwise in the possession of the County (the "Computer Software"). All third-party license agreements must also be honored by the Contractor and its employees, except as authorized by the County and, if the Computer Software has been leased or purchased by the County, all hired party license agreements must also be honored by the contractors' employees with the approval of the lessor or Contractors thereof. This includes mainframe, minis, telecommunications, personal computers, and all information technology software.

The Contractor will report to the County any information discovered or which is disclosed to the Contractor which may relate to the improper use, publication, disclosure, or removal from the County's property of any information technology software and hardware and will take such steps as are within the Contractor's authority to prevent improper use, disclosure, or removal.

**ARTICLE 33. PROPRIETARY RIGHTS**

a) The Contractor hereby acknowledges and agrees that the County retains all rights, title and interests in and to all materials, data, documentation and copies thereof furnished by the County to the Contractor hereunder or furnished by the Contractor to the County and/or created by the Contractor for delivery to the County, even if unfinished or in process, as a result of the

Services the Contractor performs in connection with this Agreement, including all copyright and other proprietary rights therein, which the Contractor as well as its employees, agents, Subcontractors and suppliers may use only in connection with the performance of Services under this Agreement. The Contractor shall not, without the prior written consent of the County, use such documentation on any other project in which the Contractor or its employees, agents, Subcontractors, or suppliers are or may become engaged. Submission or distribution by the Contractor to meet official regulatory requirements or for other purposes in connection with the performance of Services under this Agreement shall not be construed as publication in derogation of the County's copyrights or other proprietary rights.

b) All Developed Works shall become the property of the County.

c) Accordingly, neither the Contractor nor its employees, agents, Subcontractors, or suppliers shall have any proprietary interest in such Developed Works. The Developed Works may not be utilized, reproduced, or distributed by or on behalf of the Contractor, or any employee, agent, Subcontractor or supplier thereof, without the prior written consent of the County, except as required for the Contractor's performance hereunder.

d) Except as otherwise provided in subsections a, b, and c above, or elsewhere herein, the Contractor and its Subcontractors and suppliers hereunder shall retain all proprietary rights in and to all Licensed Software provided hereunder, that have not been customized to satisfy the performance criteria set forth in the Scope of Services. Notwithstanding the foregoing, the Contractor hereby grants, and shall require that its Subcontractors and suppliers grant, if the County so desires, a perpetual, irrevocable and unrestricted right and license to use, duplicate, disclose and/or permit any other person(s) or entity(ies) to use all such Licensed Software and the associated specifications, technical data and other Documentation for the operations of the County or entities controlling, controlled by, under common control with, or affiliated with the County, or organizations which may hereafter be formed by or become affiliated with the County. Such license specifically includes, but is not limited to, the right of the County to use and/or disclose, in whole or in part, the technical documentation and Licensed Software, including source code provided hereunder, to any person or entity outside the County for such person's or entity's use in furnishing any and/or all of the Deliverables provided hereunder exclusively for the County or entities controlling, controlled by, under common control with, or affiliated with the County, or organizations which may hereafter be formed by or become affiliated with the County. No such License Software, specifications, data, documentation, or related information shall be deemed to have been given in confidence and any statement or legend to the contrary shall be void and of no effect.

## ARTICLE 34. SUPPLIER/VENDOR REGISTRATION/CONFLICT OF INTEREST

a) Supplier/Vendor Registration

The Contractor shall be a registered vendor with the County – Strategic Procurement Department, for the duration of this Agreement. In becoming a registered vendor with Miami-Dade County, the vendor's Federal Employer Identification Number (FEIN) must be provided, via submission of Form W-9 and 147c Letter, as required by the Internal Revenue Service (IRS). If no FEIN exists, the Social Security Number of the owner must be provided as the legal entity identifier. This number becomes Contractor's "County Vendor Number." To comply with Section 119.071(5) of the Florida Statutes relating to the collection of an individual's Social Security Number, be aware that the County requests the Social Security Number for the following purposes:

- **Identification of individual account records**
- **Payments to individual/Contractor for goods and services provided to Miami-Dade County**
- **Tax reporting purposes**
- **Provision of unique identifier in the vendor database used for searching and sorting departmental records**

The Contractor confirms its commitment to comply with the vendor registration requirements and the associated affidavits available in INFORMS at https://supplier.miamidade.gov

b) Conflict of Interest and Code of Ethics

Sections 2-11.1 (c) and (d) of the Code require that any County official, agency/board member or employee, or any member of his or her immediate family who, through a firm, corporation, partnership or business entity, has a financial interest, direct or indirect, with Miami-Dade County or any person or agency acting for Miami-Dade County, competing or applying for a contract, must first obtain and submit a written conflict of interest opinion from the County's Ethics Commission prior to the official, agency/board member or employee, or his or her immediate family member entering into any contract or transacting any business with Miami-Dade County or any person or agency acting for Miami-Dade County. Any such contract or business transaction entered in violation of these subsections, as amended, shall be rendered voidable. All County officials, autonomous

personnel, quasi-judicial personnel, advisory personnel, and employees wishing to do business with the County are hereby advised they must comply with the applicable provisions of Section 2-11.1 of the Conflict of Interest and Code of Ethics Ordinance.

**ARTICLE 35. INSPECTOR GENERAL REVIEWS**

***Independent Private Sector Inspector General Reviews***

Pursuant to Miami-Dade County Administrative Order No. 3-20, the County has the right to retain the services of an Independent Private Sector Inspector General (the "IPSIG"), whenever the County deems it appropriate to do so. Upon written notice from the County, the Contractor shall make available to the IPSIG retained by the County, all requested records and documentation pertaining to this Agreement for inspection and reproduction. The County shall be responsible for the payment of these IPSIG services, and under no circumstance shall the Contractor's prices and any changes thereto approved by the County, be inclusive of any charges relating to these IPSIG services. The terms of this provision apply to the Contractor, its officers, agents, employees, Subcontractors, and assignees. Nothing contained in this provision shall impair any independent right of the County to conduct an audit or investigate the operations, activities, and performance of the Contractor in connection with this Agreement. The terms of this Article shall not impose any liability on the County by the Contractor or any third party.

***Miami-Dade County Inspector General Review***

According to Section 2-1076 of the Code, Miami-Dade County has established the Office of the Inspector General which may, on a random basis, perform audits on all County contracts, throughout the duration of said contracts. The cost of the audit for this Contract shall be one quarter of one percent (0.25%) of the total Contract amount which cost shall be included in the total Contract amount. The audit cost will be deducted by the County from progress payments to the Contractor. The audit cost shall also be included in all change orders and all Contract renewals and extensions.

**Exception:** The above application of one quarter of one percent (0.25%) fee assessment shall not apply to the following contracts: (a) IPSIG contracts; (b) contracts for legal services; (c) contracts for financial advisory services; (d) auditing contracts; (e) facility rentals and lease agreements; (f) concessions and other rental agreements; (g) insurance contracts; (h) revenue-generating contracts; (i) contracts where an IPSIG is assigned at the time the contract is approved by the Board; (j) professional service agreements under $1,000; (k) management agreements; (l) small purchase orders as defined in Miami-Dade County Implementing Order No. 3-38; (m) federal, state and local government-funded grants; and (n) interlocal agreements. ***Notwithstanding the foregoing, the Miami-Dade County Board of County Commissioners may authorize the inclusion of the fee assessment of one quarter of one percent (0.25%) in any exempted contract at the time of award.***

Nothing contained above shall in any way limit the powers of the Inspector General to perform audits on all County contracts including, but not limited to, those contracts specifically exempted above. The Miami-Dade County Inspector General is authorized and empowered to review past, present, and proposed County and Trust contracts, transactions, accounts, records, and programs. In addition, the Inspector General has the power to subpoena witnesses, administer oaths, require the production of records, and monitor existing projects and programs. Monitoring of an existing project or program may include a report concerning whether the project is on time, within budget and in conformance with plans, specifications, and applicable law. The Inspector General is empowered to analyze the necessity of and reasonableness of proposed change orders to the Contract. The Inspector General is empowered to retain the services of IPSIGs to audit, investigate, monitor, oversee, inspect, and review operations, activities, performance and procurement process, including but not limited to project design, specifications, proposal submittals, activities of the Contractor, its officers, agents and employees, lobbyists, County staff and elected officials to ensure compliance with contract specifications and to detect fraud and corruption.

Upon written notice to the Contractor from the Inspector General or IPSIG retained by the Inspector General, the Contractor shall make all requested records and documents available to the Inspector General or IPSIG for inspection and copying. The Inspector General and IPSIG shall have the right to inspect and copy all documents and records in the Contractor's possession, custody or control which, in the Inspector General's or IPSIG's sole judgment, pertain to performance of the Contract, including, but not limited to original estimate files, change order estimate files, worksheets, proposals and agreements from and with successful and unsuccessful Subcontractors and suppliers, all project-related correspondence, memoranda, instructions, financial documents, construction documents, proposal and contract documents, back-charge documents, all documents and records which involve cash, trade or volume discounts, insurance proceeds, rebates, or dividends received, payroll and personnel records, and supporting documentation for the aforesaid documents and records.

**ARTICLE 36. FEDERAL, STATE, AND LOCAL COMPLIANCE REQUIREMENTS**

As applicable, Contractor shall comply, subject to applicable professional standards, with the provisions of all applicable federal, state and the County orders, statutes, ordinances, rules and regulations which may pertain to the Services required under this Agreement, including, but not limited to:

a) Miami-Dade County Small Business Enterprises Development Participation Provisions.

b) The Clean Air Act (42 U.S.C. § 7401-7671q.) and the Federal Water Pollution Contract Act (33 U.S.C. §§ 1251-1387), as amended.

c) The Davis-Bacon Act (40 U.S.C. §§ 3141-3144 and 3146-3148) as supplemented by the Department of Labor regulations (29 C.F.R. Part 5).

d) The Copeland "Anti-Kickback" Act (40 U.S.C. § 3145) as supplemented by the Department of Labor regulations (29 C.F.R. Part 2).

e) Section 2-11.1 of the Code of Miami-Dade County, "Conflict of Interest and Code of Ethics".

f) Section 10-38 of the Code of Miami-Dade County, "Debarment of Contractors from County Work".

g) Section 11A-60 - 11A-67 of the Code of Miami-Dade County, "Domestic Leave".

h) Section 21-255 of the Code of Miami-Dade County, prohibiting the presentation, maintenance, or prosecution of false or fraudulent claims against Miami-Dade County.

i) The Equal Pay Act of 1963, as amended (29 U.S.C. § 206(d)).

j) The prohibitions against discrimination on the basis of age under the Age Discrimination Act of 1975 (42 U.S.C. §§ 6101-07) and regulations issued pursuant thereto (24 C.F.R. Part 146).

k) Section 448.07 of the Florida Statutes "Wage Rate Discrimination Based on Sex Prohibited".

l) Chapter 11A of the Code of Miami-Dade County (§ 11A-1 *et seq.*) "Discrimination".

m) Chapter 22 of the Code of Miami-Dade County (§ 22-1 *et seq.*) "Wage Theft".

n) Any other laws prohibiting wage rate discrimination based on sex.

o) Chapter 8A, Article XIX, of the Code of Miami-Dade County (§ 8A-400 *et seq.*) "Business Regulations".

p) Byrd Anti-Lobbying Amendment (31 U.S.C. § 1352).

q) Executive Order 12549 "Debarment and Suspension", which stipulates that no contract(s) are “to be awarded at any tier or to any party which is debarred or suspended or is otherwise excluded from or ineligible for participation in Federal assistance programs”.

Pursuant to Resolution No. R-1072-17, by entering into this Contract, the Contractor is certifying that the Contractor is in compliance with, and will continue to comply with, the provisions of items "i" through "n" above.

The Contractor shall hold all licenses and/or certifications, obtain and pay for all permits and/or inspections, and comply with all laws, ordinances, regulations and building code requirements applicable to the work required herein. Damages, penalties, and/or fines imposed on the County or Contractor for failure to obtain and maintain required licenses, certifications, permits and/or inspections shall be borne by the Contractor. The Project Manager shall verify the certification(s), license(s), and permit(s) for the Contractor prior to authorizing Work and as needed.

Notwithstanding any other provision of this Agreement, Contractor shall not be required pursuant to this Agreement to take any action or

abstain from taking any action if such action or abstention would, in the good faith determination of the Contractor, constitute a violation of any law or regulation to which Contractor is subject, including but not limited to laws and regulations requiring that Contractor conduct its operations in a safe and sound manner.

**ARTICLE 37. NONDISCRIMINATION**

During the performance of this Contract, Contractor agrees to not discriminate against any employee or applicant for employment because of race, color, religion, ancestry, national origin, sex, pregnancy, age, disability, marital status, familial status, status as victim of domestic violence, dating violence or stalking, or veteran status, and on housing related contracts the source of income.

By entering into this Contract, the Contractor attests that it is not in violation of the Americans with Disabilities Act of 1990 (and related Acts) or Miami-Dade County Resolution No. R-385-95. If the Contractor or any owner, subsidiary or other firm affiliated with or related to the Contractor is found by the responsible enforcement agency or the County to be in violation of the Act or the Resolution, such violation shall render this Contract void. This Contract shall be void if the Contractor submits a false affidavit pursuant to this Resolution or the Contractor violates the Act or the Resolution during the term of this Contract, even if the Contractor was not in violation at the time it submitted its affidavit.

**ARTICLE 38. CONFLICT OF INTEREST**

The Contractor represents that:

a) No officer, director, employee, agent, or other consultant of the County or a member of the immediate family or household of the aforesaid has directly or indirectly received or been promised any form of benefit, payment, or compensation, whether tangible or intangible, in connection with the award of this Agreement.

b) There are no undisclosed persons or entities interested with the Contractor in this Agreement. This Agreement is entered into by the Contractor without any connection with any other entity or person making a proposal for the same purpose, and without collusion, fraud or conflict of interest. No elected or appointed officer or official, director, employee, agent, or other consultant of the County, or of the State of Florida (including elected and appointed members of the legislative and executive branches of government), or a member of the immediate family or household of any of the aforesaid:

   i) is interested on behalf of or through the Contractor directly or indirectly in any manner whatsoever in the execution or the performance of this Agreement, or in the Services, Deliverables or Work, to which this Agreement relates or in any portion of the revenues; or

   ii) is an employee, agent, advisor, or consultant to the Contractor or to the best of the Contractor's knowledge any Subcontractor or supplier to the Contractor.

c) Neither the Contractor nor any officer, director, employee, agency, parent, subsidiary, or affiliate of the Contractor shall have an interest which is in conflict with the Contractor's faithful performance of its obligation under this Agreement; provided that the County, in its sole discretion, may consent in writing to such a relationship, provided the Contractor provides the County with a written notice, in advance, which identifies all the individuals and entities involved and sets forth in detail the nature of the relationship and why it is in the County's best interest to consent to such relationship.

d) The provisions of this Article are supplemental to, not in lieu of, all applicable laws with respect to conflict of interest. In the event there is a difference between the standards applicable under this Agreement and those provided by statute, the stricter standard shall apply.

e) In the event Contractor has no prior knowledge of a conflict of interest as set forth above and acquires information which may indicate that there may be an actual or apparent violation of any of the above, Contractor shall promptly bring such information to the attention of the County's Project Manager. Contractor shall thereafter cooperate with the County's review and investigation of such information and comply with the instructions Contractor receives from the Project Manager regarding remedying the situation.

**ARTICLE 39. PRESS RELEASE OR OTHER PUBLIC COMMUNICATION**

Under no circumstances shall the Contractor without the express written consent of the County:

a) Issue or permit to be issued any press release, advertisement or literature of any kind which refers to the County, or the Work being performed hereunder, unless the Contractor first obtains the written approval of the County. Such approval may be withheld if for any reason the County believes that the publication of such information would be harmful to the public interest or is in any way undesirable; and

b) Communicate in any way with any contractor, department, board, agency, commission or other organization or any person whether governmental or private in connection with the Work to be performed hereunder except upon prior written approval and instruction of the County; and

c) Except as may be required by law, the Contractor and its employees, agents, Subcontractors, and suppliers will not represent, directly or indirectly, that any Work, Deliverables or Services provided by the Contractor or such parties has been approved or endorsed by the County.

**ARTICLE 40. BANKRUPTCY**

The County reserves the right to terminate this Contract, if, during the term of any contract the Contractor has with the County, the Contractor becomes involved as a debtor in a bankruptcy proceeding, or becomes involved in a reorganization, dissolution, or liquidation proceeding, or if a trustee or receiver is appointed over all or a substantial portion of the property of the Contractor under federal bankruptcy law or any state insolvency law.

**ARTICLE 41. GOVERNING LAW**

This Contract, including appendices, and all matters relating to this Contract (whether in contract, statute, tort (such as negligence), or otherwise) shall be governed by, and construed in accordance with, the laws of the State of Florida. Venue shall be in Miami-Dade County.

**ARTICLE 42. COUNTY USER ACCESS PROGRAM (UAP)**

Not Applicable.

**ARTICLE 43. INTEREST OF MEMBERS, OFFICERS OR EMPLOYEES AND FORMER MEMBERS, OFFICERS OR EMPLOYEES**

No member, officer, or employee of the County, no member of the governing body of the locality in which the Project is situated, no member of the governing body in which the County was activated, and no other public official of such locality or localities who exercises any functions or responsibilities with respect to the project, shall, during his or her tenure, or for one year thereafter, have any interest, direct or indirect, in this Contract or the proceeds thereof.

**ARTICLE 44. FORCE MAJEURE**

Performance by each party shall be pursued with commercially reasonable efforts in all requirements under this Agreement; however, except as otherwise expressly provided herein, neither party shall be liable to the other for any loss or damage for delay due to causes that (i) were beyond the reasonable control and (ii) were not caused by the negligence or lack of commercially reasonable efforts of the affected party or its subcontractors or suppliers. The parties agree that, provided the conditions stated in (i) and (ii) above apply, the following are causes or events of force majeure: acts of civil or military authority (including courts and regulatory agencies), acts of God (excluding normal or seasonal weather conditions), riot or insurrection, inability to obtain required permits or licenses, blockades, embargoes, sabotage, epidemics and unusually severe floods, or acts or decisions of the Federal Aviation Administration, the Department of Transportation, the Transportation Security Administration, or the Environmental Protection Agency. The party affected shall provide written notice to the other party indicating the nature, cause, date of commencement thereof, the anticipated extent of such delay and whether it is anticipated that any completion or delivery dates will be affected thereby, and shall exercise due diligence to mitigate the effect of the delay. The parties agree that the commercial impacts of COVID-19 are currently known to the parties, and that commercial impacts related to COVID-19 shall not constitute force majeure events.

In the event of any delay resulting from such causes and provided the affected party has promptly notified the other and exercised commercially reasonable efforts as provided in subsection above, the time for performance under this Agreement (including the payment

of monies) shall be extended for a period of time reasonably necessary to overcome the effect of such delay.

**ARTICLE 45. FIRST SOURCE HIRING REFERRAL PROGRAM**

Pursuant to Section 2-2113 of the Code, for all contracts for goods and services, the Contractor, prior to hiring to fill each vacancy arising under a County contract shall (1) first notify Career Source South Florida ("CSSF"), the designated Referral Agency, of the vacancy and list the vacancy with CSSF according to the Code, and (2) make good faith efforts as determined by the County to fill a minimum of fifty percent (50%) of its employment needs under the County contract through the CSSF. If no suitable candidates can be employed after a Referral Period of three to five days, the Contractor is free to fill its vacancies from other sources. Contractor will be required to provide quarterly reports to the CSSF indicating the name and number of employees hired in the previous quarter, or why referred candidates were rejected. Sanctions for non-compliance shall include, but not be limited to: (i) suspension of Contract until Contractor performs obligations, if appropriate; (ii) default and/or termination; and (iii) payment of $1,500/employee, or the value of the wages that would have been earned given the noncompliance, whichever is less. Registration procedures and additional information regarding the First Source Hiring Referral Program are available at https://iapps.careersourcesfl.com/firstsource/.

**ARTICLE 46. PUBLIC RECORDS AND CONTRACTS FOR SERVICES PERFORMED ON BEHALF OF MIAMI-DADE COUNTY**

The Contractor shall comply with the Public Records Laws, including but not limited to, (1) keeping and maintaining all public records that ordinarily and necessarily would be required by the County in order to perform the service; (2) providing the public with access to public records on the same terms and conditions that the County would provide the records and at a cost that does not exceed the cost provided in Chapter 119, Florida Statutes, or as otherwise provided by law; (3) ensuring that public records that are exempt or confidential and exempt from public records disclosure requirements are not disclosed except as authorized by law; and (4) meeting all requirements for retaining public records and transferring, at no cost, to the County all public records in possession of the Contractor upon termination of the Contract and destroying any duplicate public records that are exempt or confidential and exempt from public records disclosure requirements upon such transfer. In addition, all records stored electronically must be provided to the County in a format that is compatible with the information technology systems of the County. Failure to meet any of these provisions or to comply with Florida's Public Records Laws as applicable shall be a material breach of this Agreement and shall be enforced in accordance with the terms and conditions of the Agreement.

**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 (305) 375-5773, ISD-VSS@MIAMIDADE.GOV, 111 NW 1st STREET, SUITE 1300, MIAMI, FLORIDA 33128.**

**ARTICLE 47. VERIFICATION OF EMPLOYMENT ELIGIBILITY (E-VERIFY)**

By entering into this Contract, the Contractor and its Subcontractors are jointly and severally obligated to comply with the provisions of Section 448.095, Florida Statutes, as amended, titled "Employment Eligibility." The Contractor affirms that (a) it has registered and uses the U.S. Department of Homeland Security's E-Verify system to verify the work authorization status of all new employees of the Contractor; (b) it has required all Subcontractors to this Contract to register and use the E-Verify system to verify the work authorization status of all new employees of the Subcontractor; (c) it has an affidavit from all Subcontractors to this Contract attesting that the Subcontractor does not employ, contract with, or subcontract with, unauthorized aliens; and (d) it shall maintain copies of any such affidavits for duration of the Contract. Registration information is available at http://www.uscis.gov/e-verify.

If the County has a good faith belief that Contractor has knowingly violated Section 448.09(1), Florida Statutes, then the County shall terminate this contract in accordance with Section 448.095(5)(c), Florida Statutes. In the event of such termination the Contractor agrees and acknowledges that it may not be awarded a public contract for at least one (1) year from the date of such termination and that Contractor shall be liable for any additional costs incurred by the County because of such termination.

In addition, if the County has a good faith belief that a Subcontractor has knowingly violated any provisions of Sections 448.09(1) or 448.095(5)(c), Florida Statutes, but Contractor has otherwise complied with its requirements under those statutes, then Contractor agrees that it shall terminate its contract with the Subcontractor upon receipt of notice from the County of such violation by Subcontractor in accordance with Section 448.095(5)(c), Florida Statutes.

Any challenge to termination under this provision must be filed in the Circuit or County Court by the County, Contractor, or Subcontractor no later than twenty (20) calendar days after the date of contract termination.

**ARTICLE 48. CONTRACTING WITH ENTITIES OF FOREIGN COUNTRIES OF CONCERN PROHIBITED**

By entering int this Contract, the Contractor affirms that it is not in violation of Section 287.138, Florida Statutes (F.S.) titled Contracting with Entities of Foreign Countries of Concern Prohibited. Contractor further affirms that it is not giving a government of a foreign country of concern, as listed in Section 287.138, F.S., access to an individual's personal identifying information if: a) the Contractor is owned by a government of a foreign country of concern; b) the government of a foreign country of concern has a controlling interest in the Contractor; or c) the Contractor is organized under the laws of or has its principal place of business in a foreign country of concern as is set forth in Paragraphs 2(a)–(c) of Section 287.138, F.S. The affirmation by the Contractor shall be in the form attached to this Contract as Entities of Foreign Countries of Concern Prohibited Affidavit. This Contract shall not be effective unless and until Contractor executes such Affidavit.

**ARTICLE 49. KIDNAPPING, CUSTODY OFFENSES, HUMAN TRAFFICKING AND RELATED OFFENSES AFFIDAVIT**

By entering into, amending, or renewing this Contract, including, without limitation, a grant agreement or economic incentive program payment agreement (all referred to as the "Contract"), as applicable, the Contractor is obligated to comply with the provisions of Section 787.06, Florida Statutes ("F.S."), "Human Trafficking," as amended, which is deemed as being incorporated by reference in this Contract. All definitions and requirements from Section 787.06, F.S., apply to this Contract.

This compliance includes the Contractor providing an affidavit that it does not use coercion for labor or services. This attestation by the Contractor shall be in the form attached to this Contract as the Kidnapping, Custody Offenses, Human Trafficking and Related Offenses Affidavit (the "Affidavit") and must be executed by the Contractor and provided to the County when entering, amending, or renewing this Contract.

This Contract shall be void if the Contractor submits a false Affidavit pursuant to Section 787.06, F.S., or the Contractor violates Section 787.06, F.S., during the term of this Contract, even if the Contractor was not in violation at the time it submitted its Affidavit.

**ARTICLE 50. TRUST AGREEMENT**

a) Incorporation of Trust Agreement by Reference: Notwithstanding any of the terms, provisions and conditions of this Agreement, it is understood and agreed by the parties hereto that, the provisions of the Amended and Restated Trust Agreement dated as of the 15th day of December, 2002 as amended from time to time, by and between the County and the JP Morgan Chase Bank as Trustee and Wachovia Bank, National Association as Co-trustee ("the Trust Agreement"), which Trust Agreement is incorporated herein by reference, shall prevail and govern in the event of any inconsistency with or ambiguity relating to the terms and conditions of this Agreement, including the rents, fees or charges required herein, and their modification or adjustment. Copies of the Trust Agreement are available for inspection in the offices of the Department during normal working hours.

   The Amended and Restated Trust Agreement link: https://www.miami-airport.com/library/pdfdoc/Propertise/Amended%20and%20Restated%20Trust%20Agreement%202002.pdf

b) Adjustment of Terms and Conditions: If, at any time during the term or any extension thereto, as applicable, of this Agreement, a court of competent jurisdiction shall determine that any of the terms and conditions of this Agreement, including the rentals, fees and charges required to be paid hereunder to the County by the Lessee or by other Lessees under other Agreements of the County for the lease or use of facilities used for similar purposes, are unjustly discriminatory, the County shall have the right to modify such terms and conditions and to increase or otherwise adjust the rentals, fees and charges required to be paid under this Agreement in such a manner as the County shall determine is necessary and reasonable so that the rentals, fees and charges payable by the Lessee and others shall not thereafter be unjustly discriminatory to any user of like facilities and shall not result in any violation of the Trust Agreement or in any deficiency in revenues necessary to comply with the covenants of the Trust Agreement. In the event the County has modified the terms and conditions of this Agreement, including any adjustment of the rentals, fees and charges required to be paid to the County pursuant to this provision, this Agreement shall be amended to incorporate such modification of the terms and conditions including the adjustment of rentals, fees and charges upon the issuance of written notice from the Department to the Lessee.

**ARTICLE 51. FEDERAL AVIATION ADMINISTRATION (FAA) SPECIAL PROVISIONS**

Exhibit A, attached hereto and incorporated by reference, outlines the provisions currently required under applicable Federal Aviation Administration (FAA) guidelines. The Contractor shall comply with the terms of Exhibit A as amended from time to time. The Mayor or the Mayor's designee shall have the authority to administratively update Exhibit A to reflect revisions, additions, or removals of required FAA provisions as issued through official FAA guidance, without the need for formal amendment to this agreement. Any such administrative updates shall be provided in writing to the Contractor through an updated version of Exhibit A. Such updated version of Exhibit A shall be identified as Exhibit A.1, with each updated Exhibit A thereafter being identified by successive numerical identification (*i.e.*, Exhibit A.2, Exhibit A.3, and so on) with the latest numerical version of Exhibit A governing unless otherwise specified.

**ARTICLE 52. MIAMI-DADE COUNTY UNITED STATES SOCCER FEDERATION 2026 WORLD CUP**

The terms of this agreement are subordinate to the terms of the Airport Agreement submitted by Miami-Dade County to the United States Soccer Federation on February 21, 2018. In carrying out its obligations under this Contract, Contractor shall not take or omit any action which is inconsistent with, or in derogation of, the County's obligations under the Airport Agreement. Where the Contractor's rights or obligations under this Contract are in conflict with the County's obligations under the Airport Agreement, and upon notice by the County to Contractor, the terms of this Contract shall be deemed conformed to the County's obligations under the Airport Agreement. Where such conformance would cause a material change in this Contract, Contractor shall have the right, upon written notice to the County within five days of receipt of notice of such a conflict, to terminate this Contract for convenience; in such termination, the Contractor shall have no cause of action for money damages of any kind, including but not limited to direct damages, unamortized costs or debt, stored or ordered materials, indirect damages, lost profits, loss of opportunity, loss of goodwill, or otherwise. In the event that the Contractor does not elect to terminate this Contract within the time specified herein, this Contract shall be deemed to have been amended via consent of the parties to conform its terms to the requirements of the Airport Agreement, but only to the extent needed to avoid conflict with same.

NOTE: The Agreement between Miami-Dade County and the U.S. Soccer Federation is available at:
http://www.miamidade.gov/govaction/legistarfiles/MinMatters/Y2018/180129min.pdf

**ARTICLE 53. ADDITIONAL PRODUCTS AND/OR SERVICES**

Additional products and/or services related to this Contract for which the Contractor is the proprietary provider or sole authorized reseller/distributor may be purchased during the term of the Contract. In the event the County wishes to purchase such additional items, a County representative will contact the Contractor to obtain a price proposal for the additional items. In the event that the County opts to proceed with the purchase, an amendment of such shall be formalized by a Supplemental Agreement, originated, and published by the Miami-Dade County Strategic Procurement Department. Under no circumstances should the Contractor commence providing additional products and/or services without an executed Supplemental Agreement.

**ARTICLE 54. ALLOWANCE ACCOUNT**

An allowance account of twenty percent (20%) of the contract amount is established in the total not-to-exceed amount of $4,353,827.66 to pay for the as needed purchase of additional products and/or services in accordance with Article 53 herein.

Allowance Account expenses shall be approved by the County in advance and authorized by a work order. Any portion of the aforementioned not-to-exceed amount for which payment is not authorized in writing by the Project Manager shall remain the property of the County. The Contractor shall have no entitlement to any of these funds. The County retains all rights to these funds, may expend these funds at its sole discretion, and any funds not expended from this account remain the property of the County. When Service is to be performed under the Allowance Account, if any, it shall be integrated into the Agreement as a part of the Agreement as awarded.

**ARTICLE 55. DELIVERY AND TRAVEL**

The County shall not be liable to pay for any shipping, freight, delivery or travel charges.

**ARTICLE 56. ENVIRONMENTAL MANAGEMENT SYSTEM (EMS)**

MDAD's Maintenance Unit has identified those operations and activities that are associated with the identified significant environmental aspects in line with the environmental policy of MDAD Maintenance's Environmental Management System (EMS). The EMS will continuously be establishing and maintaining procedures related to the identifiable significant environmental aspects of goods and services used by the organization and will be communicating relevant procedures and requirements to suppliers and Contractors. These procedures include but are not limited to MDAD's Maintenance Unit Operational Controls (OCs) which cover a variety activities.

The Contractor shall adhere to the following as applicable:

a) OC-1 CHEMICALS AND CHEMICAL WASTE HANDLING & DISPOSAL
Right to Know Centers are located in all shops and are equipped with Material Safety Data Sheets (MSDS) listed in alphabetical order for all chemicals utilized at that shop location. Ensure oily/combustible scrap, debris, and waste materials (oily rags, etc.) are always stored in covered metal receptacles and disposed of promptly.

b) OC-3 ELECTRIC LAMP DISPOSAL
Fluorescent lamps need to be handled and disposed of carefully. When one breaks or implodes, it releases mercury into the environment and anyone nearby may be exposed to the vapors. Used lamps shall be stored so they do not break in original shipping container or other approved containers.
All disposal containers must be properly labeled with the words "USED LAMPS" and delivered to the warehouse at east end of Building 3040 for disposal and recycling.

c) OC-4 BALLAST DISPOSAL
Never dispose PCB-containing ballasts in trash can or dumpster. Dispose of PCB-containing ballasts into an MDAD-provided 55-gallon steel drum that will be closed and labeled with the words "PCB Ballasts" .

d) OC-5 GENERAL BATTERY DISPOSAL
Do not dispose of any batteries in the trash. Dispose of spent batteries in designated PVC plastic containers located at each shop and labeled "Used Batteries" with a DOT Class 8 secondary label.

e) OC-6 COMPRESSED GASES/AEROSOL CAN HANDLING, USE, STORAGE & DISPOSAL
All cylinders must be legibly marked at the shoulder with the gas content and must not be easily removable. Compressed gas cylinders in Contractor vehicles and or temporary jobsites will be secured in carts or storage areas with a strap above its center of gravity and capped with a threaded-valve protection cap. Cylinders, valves, couplings, regulators and hoses will be kept free from oily or greasy hoses. Users of oxygen cylinders must have oil-free hands, clothes and gloves.

f) OC-8 SPILL CLEANUP
If you encounter a spill, secure the area with safety devices. Do not touch an unknown substance. Call MDAD control room (OCR at 305-876-0385) for spill notification, see the number also on the back side of your ID badge. Only properly trained employees shall clean up unknown spills. For known substances, follow label and MSDS directions. Use proper personal protective equipment (PPE) and absorbent material to control and collect the spilled material.
Contractor shall follow Spill Pollution Control Countermeasures Plan (SPCCP) cleanup procedures for spills greater than 5 gallons for any petroleum products. The SPCC Plans are available at each shop.

g) OC-9 HANDLING & STORAGE OF FERTILIZER & PESTICIDES
When handling pesticides mix carefully to avoid spills, use appropriate personal protective equipment (PPE); when finished wash your hands thoroughly with soap, before handling food, drinking or smoking. Pesticide containers must be rinsed 3 times, and punctured to prevent re-use. Discard in a designated disposal location - NEVER REUSE CONTAINERS.

h) Refrigerant Management
A certified HVAC technician must properly capture, transport and dispose of any excess refrigerant removed from MDAD equipment. equipment disposal and removal before any mechanical equipment is relocated, drained of its contents or disposed of, must be reported to the MDAD Project Manager for approval.

i) Hazardous Material Control
Prior to bringing hazardous material on site a Material Safety Data Sheet (MSDS) must be provided to the job superintendent and kept on file and accessible throughout the full term of the job.

j) Handling and Disposal of Hazardous Waste
Hazardous waste generated by service/maintenance suppliers and/or construction contractors must be adequately documented, transported outside MDAD property and disposed in accordance with all applicable federal, state and local requirements.

k) Medical Waste
The Contractor shall adequately dispose of their own medical waste generated while performing services on MDAD property.

l) Trash Management
The Contractor shall adequately dispose of their own trash generated while performing their services on MDAD property. The Contractor shall adequately dispose of their own waste generated while performing construction services on MDAD property.

**ARTICLE 57. SURVIVAL**

The Parties acknowledge that any of the obligations in this Agreement will survive the term, termination, and cancellation hereof. Accordingly, the respective obligations of the Contractor and the County under this Agreement, which by nature would continue beyond the termination, cancellation, or expiration thereof, shall survive termination, cancellation or expiration hereof.

IN WITNESS WHEREOF, the Parties have executed this Agreement effective as of the date identified on the first page of this Agreement.

| Contractor | | Miami-Dade County | |
|---|---|---|---|
| Signature | Felix Covarrubias | Signature | |
| | Corporate Officer/Partner/Owner or other authorized representative | | for |
| Print Name | Felix Covarrubias | Print Name | Daniella Levine Cava |
| Title | Vice President, Americas – GSE & Packaged Solutions | Title | Mayor |
| Date | April 21 2026 | Date | |

| Attest | | Attest | |
|---|---|---|---|
| | Corporate Officer (different than above) or Witness (only if Corporate Officer/Partner/Owner signed above) | | Juan Fernandez-Barquin Clerk of the Court and Comptroller |
| Signature | Shekhar Varanasi | Signature | |
| Print Name | Shekhar Varanasi | Print Name | |
| Title | Executive Chairman | Title | Deputy Clerk |
| Date | 04/21/2026 | Date | |

Approved as to form and legal sufficiency

Signature

Print Name

Title Assistant County Attorney

Date

## APPENDIX A – SCOPE OF SERVICES

Miami-Dade County, hereinafter referred to as the County, as represented by the Miami-Dade Aviation Department (MDAD) is contracting for purchase of the preventive maintenance inspections (PMI), routine and emergency repair services, field inspection services, parts and components, to upgrade the systems covered under this contract.

Covered under this contract are:

a. Pre-conditioned air (PCA) Systems to provide cooling to the Aircraft while at the gate and for the pre-cooling of the passenger boarding bridges.
b. 400 Hz Aircraft Ground Power Systems
c. Service Transport Units (STU)
d. Chiller Plant Equipment Controller (PEC)
e. Passenger boarding bridge (PBB) engineer air ethylene glycol precool units.
f. Point of Use Pre Condition Air (PCA) units
g. Point of Use 400Hz Solid State Frequency Converters (SSFC)

### 1.0 PREVENTIVE MAINTENANCE INSPECTIONS

The Contractor shall be responsible for providing the County with PMI services, including all labor, materials and equipment. The Contractor will perform PMI services on one hundred three (103) central system Pre-conditioned Air (hereinafter referred to as (PCA) Air Handling Units (AHU), twenty-four (24) 400Hz ground power motor generators (400Hz GPS), one hundred ten (110) Service Transport Units (STU's), Chiller Plant Equipment Controller (PEC), and PBB engineer air ethylene glycol precool units. As Original Equipment Manufacturer (OEM), Contractor shall provide and maintain a comprehensive PMI program to include a comprehensive parts list. Based upon the OEM recommendations, inspections shall be monthly, quarterly or semi- annually to ensure the continued reliability and performance of the equipment.

All electrical controls, computers, software, firmware and related sensors that are part of the Dabico Airport Solutions, Inc. systems control, whether on the Passenger Boarding Bridge or in the PCA Central Rooms, shall be maintained by Contractor.

### 1.1 PRE-CONDITIONED AIR (PCA) AIR HANDLING UNITS (AHU)

The Contractor shall conduct PMI of the PCA AHU quarterly and annually. Each PMI has specific requirements to ensure the continued performance and compliance with factory standards for the equipment subject to changes in condition due to life expectancy of the equipment, ordinary wear and tear and obsolescence. Components to be inspected and maintained during PMI visits, include, but are not limited to:

a) AHUs
b) Hose Management Systems Baskets etc.
c) All Air Hose Delivery Systems, Air Nozzles, and Air Hoses
d) Control Systems, Temperature Sensors, Variable Frequency Drive (VFD) Motors
e) Push Button Control Stations
f) Local Access Network (LAN) Interface and Communication
g) Condensate Return System and associated components
h) Glycol Hose, piping and insulation
i) Control Valves and instrumentation
j) Bridge Interlock Systems
k) PCA Smoke Detection, control and function
l) Passenger Boarding Bridges (PBB) exhaust fans, exhaust fan contactors, fan power (PWR) switch, lubricate, and clean.

| **Quarterly Preventive Maintenance** (4 Events per Unit per Year, 8 Hours per Unit) | **Annual Preventive Maintenance** (1 Event per Unit per Year, 12 Hours per Unit) |
|---|---|
| Confirm function of temperature control valve | Cleaning outside vents leading to the coil |
| Confirm function of Variable Frequency Drive (VFD)/ Inlet Damper | Pressure flush condensate drain fine |
| Check function of condensate drain system | Clean or wash PCA Unit and Service Transport Unit |
| Lubricate motor bearings | Re-torque all power terminations |
| Check tightness of belimo/shaft connections on all dampers, and lubricate as necessary | Confirm all control terminations tight |
| Confirm function of temperature sensors | Open Push Button (PB) Station and spray contacts |
| Check condition of air hose. Advise if replacement is required. | Inspect STU |
| Supply and install new filters | Inspect Pre-Condition Air smoke Detectors |
| Clean and flush condensate pump Basin | Inspect Passenger Loading Bridge (PLB) exhaust fans |
| Perform Infra-Red scan on all power terminations | Inspect exhaust fan belt and replace as needed |
| Clean and flush inlet strainer | |

## 1.2 400 HERTZ (HZ) MOTOR GENERATORS

The Contractor shall conduct PMI of the 400Hz motor generators and associated system controllers semi-annually and annually. The Contractor shall submit a field inspection report after completion of the inspections.

The inspections shall include, but not limited to, the following tasks:

a. Oil change and lubrication of the bearings and the inspection of the motor generator for proper operation and general condition including the components inside of the closure.
b. Inspect, test and adjust the following items as necessary:

1) Output voltage display (A, B, and C Phases)
2) Output Amps display (A, B, and C Phases)
3) Display, M1 DC Reference Voltage
4) Voltage Regulator 6V DC reference
5) Voltage Regulator 12 V DC reference
6) Motor Current Overload
7) Motor Inrush Current level
8) Over/under Frequency Reference Voltage
9) Unit Full Load
10) Control Power On Reference Voltage
11) All contacts and flash guards on all contactors for normal wear

12) All electrical wiring and cabling for indications of overheating or poor connection.

Contractor shall provide on an as needed basis maintenance/inspection/field services and technical support with respect to the PCA controls and associated control hardware and software.

### 1.3 PLANT EQUIPMENT CONTROLLER (PEC)

The Contractor shall conduct PMI of PEC monthly. The Contractor shall submit field inspection reports after completion of the inspection. Inspection shall include, but not be limited to, the following tasks:

a) Inspect cabinet for damage, corrosion and general service ability
b) Verify all controls operate in accordance with the service manual.
c) Visually inspect all wiring for wear, chafing and overheating.
d) Visually inspect all, PEC, programmable logic controllers, relays and displays
e) Clean inside of cabinet and all circuit boards, controllers and relays with dry compressed air

### 1.4 SERVICE TRANSPORT UNIT (STU)

The Contractor shall conduct PMI of the STUs annually. The Contractor shall submit field inspection reports after completion of the inspection. Inspection shall include, but not be limited to, the following tasks:

a) Inspect enclosure for damage, corrosion, and general serviceability
b) Inspect all hardware and mounting brackets for security and serviceability
c) Inspect all hoses and fittings for leaks, blistering, abrasions, kinks, cuts, and chafing
d) Inspect all electrical cables and connections for abrasions, kinks, cuts, chafing, and signs of overheating
e) Inspect interior of STU assembly for any signs of glycol leaks
f) Inspect rollers for damage and freedom of movement
g) Wash and lubricate in accordance with the service manual

### 1.5 PBB PRECOOL UNITS MOUNTED ON BRIDGES D2, E6, E8, E20, E21, E22, E23, E24, E25, E30, E31, E33

The Contractor shall conduct PMI of PBB precool units quarterly and annually. Each PMI has specific requirements to ensure the continued performance and compliance with factory standards for the equipment subject to changes in condition due to life expectancy of the equipment, ordinary wear and tear and obsolescence. The following table reflects a partial listing of tasks performed during the completion of the two PM groupings on all equipment listed in an annual period.

| **QUARTERLY PREVENTIVE MAINTENANCE** (4 Events per Unit per Year, 4 Hours per Event) | **ANNUAL PREVENTIVE MAINTENANCE** (1 Event per Unit per Year, 4 Hours per Event) |
|---|---|
| Confirm function of EG/W valve | Clean and flush condensate pump basin and hose |
| Confirm function of wall mounted thermostat and timer | Clean Coil (accessible areas) |
| Confirm function of blower drive motor | Wash exterior of unit |
| Lubricate motor bearings (if required) | Check bridge mounting hardware |
| Check all panels, doors, latches for proper operation and functional | |
| Confirm function of temperature sensors | |
| Check condition of air hoses/ducting. | |
| Supply and install new filters | |
| Perform infrared scan on all power terminations | |
| Perform full systems check | |
| Inspect EG/W insulation | |
| Check EG/W Valve timer for proper operation | |

The deficiencies in the field inspection report will be reviewed by the County. The Contractor may be asked to provide a quote based on the hourly rates established in Appendix B and parts lists indicated in Appendix C to correct any deficiency. The County reserves the right to negotiate the quotes submitted by the Contractor. The County Project Manager will authorize the Contractor in writing to correct any deficiency.

### 1.6 PDX-C SERIES POINT OF USE PCA MAINTENANCE

The Contractor shall conduct PMI of PDX-C series point of use PCA quarterly and annually. Each PMI has specific requirements to ensure the continued performance and compliance with factory standards for the equipment subject to changes in condition due to life expectancy of the equipment, ordinary wear and tear, and obsolescence. Components to be inspected and maintained during PMI visits, include, but are not limited to:

a) Hose Management Systems Baskets etc.
b) Air Hose Delivery Systems, All Air Nozzles, Air Hose
c) Control Systems, Temperature Sensors, Variable Frequency Drive (VFD)
d) Motors
e) Push Button Control Stations
f) Condensate Return System and associated components
g) Glycol Hose, piping, and insulation
h) Control Valves and instrumentation
i) Bridge Interlock Systems
j) PCA Smoke Detection, control, and function
k) (if equipped) Passenger Boarding Bridges PBS exhaust fans, exhaust fan contactors, fan Power (PWR) switch, lubricate, and clean.

The following tables reflect a partial listing of tasks performed during the completion of the PMI on all PDX-C equipped gates in an annual period.

| QUARTERLY PDX-C SERIES PREVENTATIVE MAINTENANCE SCHEDULE (4 Events per Unit per Year, 8 Hours per Unit) | |
|---|---|
| **Item** | **Procedure** |
| Unit Mounting Brackets | Perform visual inspection for cracks or signs of fatigue.<br>Check for tightness of hardware.<br>(Caution: Do not over torque retaining bolts) |
| Electrical Controller Enclosure | Clean the control circuitry by blowing out with compressed air at a pressure of approximately 20 pound per square inch and by wiping away any accumulated moisture or lubricating matter with a cloth. |
| Outlet air valves and associated linkage | Check for dirt accumulation and obstruction. Clean any accumulated dirt around linkage bearings. |
| Blower motor | Check for unusual noise or excessive vibration. Lubricate bearings. |
| Variable Frequency Drive | Clean cooling air filter (if installed). Verify proper operation of cooling fans. Check for active faults or any other discrepancies. Check input/output wiring connections. |
| Condensate drain system at bottom of evaporator coil plenum | Check for dirt accumulation and obstruction. Check condensate pump. Clean and flush as required. |
| Air filters in unit | Replace inlet paper air filters quarterly and wash metal air filters (if installed). |
| Air hoses | Check hoses for tears.<br>Advise if replacement is required. |
| Unit controls | Check all indicator lights. Replace lamps as required. |
| Temperature Sensors | Confirm function of temperature sensors (Ambient, Output & Cabin Temperature). |
| Evaporative Plenum | Clean the inside of the discharge plenum (plenum which is between the air leaving side of cooling coil and discharge outlet of unit) regularly with a disinfectant to prevent the buildup of dirt and the growth of microorganisms which can negatively affect the indoor air quality in the aircraft.<br><br>Due to the compact design of the coil package and the high blower air pressure during normal operation, large access panels are not practical. |
| Smoke Detector | Remove smoke detector head and clean with dry air. Perform magnet test to check smoke detector performance. |

| QUARTERLY PDX-C SERIES PREVENTATIVE MAINTENANCE SCHEDULE (4 Events per Unit per Year, 8 Hours per Unit | |
|---|---|
| **Item** | **Procedure** |
| Refrigeration system | 1. Check correct refrigerant charge by observing clear sight glass when unit is in stable operation.<br>2. Check correct control valve operation by determining TXV superheat 8 16 F (4.4 8.9 °C).<br>3. Check compressor operation by determining suction pressure, discharge pressure, input voltage and current. Limits below are applicable when ambient temperature is within the range of 86 115 °F (30 46 °C).<br>a. DX 1<br>45/60C: Suction pressure: 70 psi (4,8 bar) ± 20%<br>Converted pressure temp.: 45 °F (7,2 °C)<br>120C: Suction pressure: 87 psi (6,0 bar) ± 20%<br>Converted pressure temp.: 55 °F (12,8 °C)<br>b. DX 2<br>45/60C: Suction pressure: 35 psi (2,4 bar) ± 20%<br>Converted pressure temp.: 17°F ( 8,3 °C)*<br>(*) min. temperature, varies with outlet temp.<br>120C: Suction pressure: 58 psi (4,0 bar) ± 20%<br>Converted pressure temp.: 36°F (2,2 °C)<br>c. DX 3<br>120C: Suction pressure: 35 psi (2,4 bar) ± 20%<br>Converted pressure temp.: 17°F ( 8,3 °C)*<br>(*) min. temperature, varies with outlet temp.<br>d. Discharge Pressure: 21 bar (305 psi) ± 20%<br>e. Superheat: 4.4 8.9 °C (8 16 °F)<br>f. Subcooling: 4.4 6.7 °C (8 12 °F)<br>g. Voltage: 460 Vac ± 5%<br>h. Compressor Amperage:<br>ZR250 = 34.0 A, ZR300 = 43.6 A, ZR380 = 53.2 A |

| ANNUAL PDX-C SERIES PREVENTATIVE MAINTENANCE SCHEDULE (1 Event per Unit per Year, 12 Hours per Unit) | |
|---|---|
| **Item** | **Procedure** |
| Control panel pushbuttons | Remove cover and spray contacts and terminals with anti-corrosion contact cleaner per MIL DTL 85054, Type 1, ClassCO2 (or equivalent). |
| Unit enclosure | Clean enclosure annually to prevent buildup of foreign material which may cause corrosion. |
| Air cooled condenser coils | Clean coils as operating experience dictates. Clean with water spray or steam. Do not use pressure washer unless at a reduced setting. Test cleaning process on small area first and check for damage to coil. Straighten fins as required. Revise process as required. |
| Unit access doors | Check and lubricate locks and hinges as required. |
| Input Power Terminations | Inspect and re-torque all power terminations. Record infrared temperature of input power terminations. |

## 1.7 400 Hz, 2500 PLUS SERIES, POINT OF USE SOLID STATE FREQUENCY CONVERTERS (SSFC) MAINTENANCE

The Contractor shall conduct PMI of 400 Hz, 2500 plus series point of use SSFC monthly, semiannually and annually. Each PMI has specific requirements to ensure the continued performance and compliance with factory standards for the equipment subject to changes in condition due to life expectancy of the equipment, ordinary wear and tear, and obsolescence. Components to be inspected and maintained during PMI visits, include, but are not limited to:

a) Aircraft Cable Assembly
b) Cable Hoist or Storage Basket
c) Mounting Hardware
d) Remote Push Button Station
e) Electrical Connections

The following tables reflect a partial listing of tasks performed during the completion of the PMI on all Cavotec SSFC equipped gates in an annual period:

| MONTHLY 2500 PLUS SERIES PREVENTATIVE MAINTENANCE SCHEDULE (12 Events per unit per year, 1 hour per unit) | |
|---|---|
| **Item** | **Procedure** |
| Outlet Filter (If Installed – Vented Units) | Check the four exhaust filters by lifting the plastic tab to reveal the filter inside. If filters are noticeably dirty, rinse thoroughly and leave out to dry. If washing does not adequately clear the filter or if the filter is damaged, replace the filter. |
| Intake Filter | Remove the fan shroud. If the fan filter is noticeably dirty, rinse thoroughly and leave out to dry. If washing does not adequately clear the filter or if the filter is damaged, replace the filter. |

| SEMI ANNUAL 2500 PLUS SERIES PREVENTATIVE MAINTENANCE SCHEDULE (2 events per unit per year, 8 hours per unit) | |
|---|---|
| **Item** | **Procedure** |
| Cooling Fans | Check all cooling fans to verify proper operation.<br>Record fan speed frequency. |
| Internal Connections | Check connectors are properly seated on front panel board, control board and IO Board.<br>Verify electrical terminal torque on output contactors, input contactor, main circuit breaker, neutral transformer block.<br>Visually inspect all remaining hardware for proper security and tightness. |
| HMI Display | Check for screen cracks, distorted picture, dead pixels, and other screen damages.<br>Test HMI functionality.<br>Verify Input Voltages are displayed. |
| Output Voltages – Load Test | Apply 72 kw resistive load at 25% / 50% / 100%. Record Amperage/Voltage/Frequency at each stage of testing.<br>Verify Voltage maintains at 114.5 to 116.5 during 100% load test. |
| Push Buttons and LED's | Check all lamps by pressing LAMP TEST.<br>Verify proper operation of the following controls "ON 1" / "ON 2" / "RESET". |
| Emergency Stop | Verify proper operation of emergency stop circuit. |

| ANNUAL 2500 PLUS SERIES PREVENTATIVE MAINTENANCE SCHEDULE (1 event per unit per year, 2 hours per unit) | |
|---|---|
| **Item** | **Procedure** |
| Sealing Gaskets | Check access door and panel sealing gaskets for deterioration and proper sealing. |
| Clean Exterior of Unit | Caution: Do not pressure wash.<br>Clean exterior with general purpose cleaner and wipe down with rags or towels. |

## 2.0 HOURLY RATE

For non-maintenance work, the County will reimburse the Contractor at an hourly rate per hour for factory authorized services. Refer to Appendix B, Section 2 for hourly rates. Any deficiencies in the field inspection reports will be reviewed by the County. The County Project Manager will authorize the Contractor in writing to correct any deficiency.

## 3.0 CORRECTIVE MEASURES REPORTS

During PMI, Contractor shall advise MDAD of any corrective measures (i.e., repair work that is outside of the normal wear and tear) recommendation(s). MDAD may then consider and prioritize the recommended corrective measures and, if desired, issue Work Orders for authorization. No corrective measures by the Contractor shall commence without a notice-to-proceed issued by the County's Project Manager.

## 4.0 TRENDING REPORTS

The Contractor shall on a monthly basis provide documentation of equipment review and field reports to MDAD's Facilities Maintenance Division, for the basis of a Facility Maintenance trending report. The reports shall be in an excel spreadsheet to reflect the importance or the grading of the observed problems on site. Trending reports shall be prepared and coincide with the monthly billing cycle.

## 5.0 SERVICE CALLS (EMERGENCY AND NON-EMERGENCY/ROUTINE CALLS)

The Contractor shall be available for support and coverage Monday through Friday, 8:00 AM through 5:00 PM EST, and by phone/email nights and weekends. Night and weekend work will be pre-arranged on a per call basis.

The Contractor shall have factory-trained personnel. The County shall be provided with contact information of a main contact representative and back-up contact representative for all personnel to ensure a timely response to trouble calls.

### 5.1 Emergency Service Requests

In the event of an emergency, defined as an unexpected situation or occurrence due to system failure, power loss, acts of nature, or any life-threatening/critical situation, the Contractor is obligated to respond promptly. Upon notification from the County, the Contractor is required to respond and initiate service within two (2) hours and be on-site within 24 hours. The first emergency on-site service response is provided at no additional charge per year, demonstrating the Contractor's commitment to service quality.

### 5.2 Non-Emergency/Routine Calls - Service Requests

For Non-Emergency/Routine Service Requests, the County will initiate the request. The Contractor will respond and initiate service within 24 hours from the initial request. The Contractor shall complete 80% of routine repairs within two (2) business days from the receipt of the work order or Notice-To-Proceed. Upon receiving the request, the Contractor will provide a proposal for the services requested. The first two (2) non-emergency on-site service responses are provided at no additional charge per year, ensuring the County's needs are met in a timely manner.

The County shall not be responsible for the cost of any spare part until such time as a repair is required and the part is provided to the County. If a spare part is not readily available, the Contractor shall order it immediately upon completion of the initial service call.

Additional parts and components purchased by the County from the Contractor shall be made in accordance with the Scope of Services. Repairs shall commence immediately upon availability of ordered parts and the County's authorization to proceed pursuant to a Notice to Proceed or Work Order.

Hourly rates for such as-needed repairs and services shall be per the Contractor's price provided in Appendix B. Section 2. Refer to Section 2.0 herein for additional information.

## 6.0 SPARE PARTS

The Contractor's Miami Office location will maintain sufficient stock of spare parts for prompt completion of routine type repairs. The Contractor shall provide a complete spare parts list (Appendix C) for all equipment purchased by the County as it relates to this contract.

The County may order replacement parts or components, for the systems covered, on an as-needed basis. The Contractor shall provide:

a. OEM electronic replacement of parts for the operating systems
b. Other components such as general electrical components as ordered by the County

All prices as specified in Appendix C are Freight on Board (FOB) destination. The County and the Contractor reserve the right to add parts and components to Appendix B, Section 2. The County will not pay for any shipping and handling charges. The Contractor shall deliver within seven (7) calendar days of the initial request from the County, unless approved in writing by the County's Project Manager.

## 7.0 FUTURE REPLACEMENTS OF EXISTING SYSTEMS/COMPONENTS

The County may request prices/proposals for future replacements of systems or any major components. Upon receiving the request from the County's Project Manager, the Contractor shall provide a proposal and/or price for the replacements. The County reserves the right to negotiate the statement of work and prices to be paid by the County for such replacements. The negotiated statement of work and prices will be incorporated into the contract via issuance of supplemental agreements by the County as specified in Article 53 of the Contract.

## 8.0 AVAILABILITY OF WORKSPACE

The County shall be responsible for providing the Contractor with the following to allow for the completion of PM services:

a) MDAD shall make approximately 1,440 square feet of ramp level floor space available to Contractor for rental.
b) MDAD will allow access for seven (7) Contractor Employee parking to the Parking Garage Facility adjacent to Building 3030 at no additional cost to Contractor.
c) MDAD will provide one (1) network port on the MDAD BMS Virtual Local Area Network for Contractor to tie in dedicated workstation for monitoring of the system at no additional cost to Contractor.
d) MDAD's PBB Shop will be the first responder to any trouble calls associated with the PCA gate equipment.

## 9.0 ADDITIONAL CONTRACTOR RESPONSIBILITIES

The Contractor shall:

a) be available for support and coverage Monday through Friday 8:00 AM through 5:00 PM EST and by phone/email nights and weekends. Night and weekend work will be on a pre-arranged on call basis.

b) comply with the Miami-Dade Aviation Department Environmental Policy **(Attachment 2)**.

c) conduct contract activities in accordance with Article 56 of the contract, all applicable federal, state, and local environmental laws, regulation, directives, ordinances and other governmental authorizations, and certifies that all required licenses, certifications and permits are current and available upon request to MDAD. Contractor acknowledges that it is responsible for ensuring that its employees and subcontractors who perform services on site (now and in the future) shall receive and review all relevant information and material on MDAD's EMS and shall comply with its procedures.

**APPENDIX B – PRICE SCHEDULE**
Section 1

**Contractor's rates for inspections and maintenance in accordance with Appendix A are as follows:**

| Item No. | Description | Year | Price |
|---|---|---|---|
| 1.0 | **Pre-conditioned Air-Air Handling Unit**<br>All Quarterly inspections, Annual Inspections, and Consumable Materials for 103 Units. Note quantities to be adjusted as needed in the event of any changes in units installed. | 1 | $ 636,952.00 |
| | | 2 | $ 652,875.80 |
| | | 3 | $ 669,197.70 |
| | | 4 | $ 685,927.64 |
| | | 5 | $ 703,075.83 |
| | **Total Price for initial five-year term for Item 1:** | | **$ 3,348,028.97** |

| Item No. | Description | Year | Price |
|---|---|---|---|
| 2.0 | **Chiller Plant Equipment Controller (PEC) Panel Annual Support**<br>All Monthly Inspections of Concourse D-Plants 1, 2, and 3 | 1 | $ 127,792.00 |
| | | 2 | $ 130,986.80 |
| | | 3 | $ 134,261.47 |
| | | 4 | $ 137,618.01 |
| | | 5 | $ 141,058.46 |
| | **Total Price for initial five-year term for Item 2:** | | **$ 671,716.74** |

| Item No. | Description | Year | Price |
|---|---|---|---|
| 3.0 | **400 Hertz Motor Generator**<br>All Semi-Annual Inspections, Annual Inspections, Consumable Materials for 24 Units. Note quantities to be adjusted as needed in the event of any changes in units installed. | 1 | $ 68,880.00 |
| | | 2 | $ 70,602.00 |
| | | 3 | $ 72,367.05 |
| | | 4 | $ 74,176.23 |
| | | 5 | $ 76,030.63 |
| | **Total Price for initial five-year term for Item 3:** | | **$ 362,055.91** |

| Item No. | Description | Year | Price |
|---|---|---|---|
| 4.0 | **Service Transport Units**<br>All Annual Inspections of 110 Units Note quantities to be adjusted as needed in the event of any changes in units installed. | 1 | $ 189,956.00 |
| | | 2 | $ 194,704.90 |
| | | 3 | $ 199,572.52 |
| | | 4 | $ 204,561.84 |
| | | 5 | $ 209,675.88 |
| | **Total Price for initial five-year term for Item 4:** | | **$ 998,471.14** |

| Item No. | Description | Year | Price |
|---|---|---|---|
| 5.0 | **Maintenance Support**<br>All Monthly Trending Reports, Spare Parts Inventory Control and Administration of Monthly Maintenance Schedule | 1 | $ 41,600.00 |
| | | 2 | $ 42,640.00 |
| | | 3 | $ 43,706.00 |
| | | 4 | $ 44,798.65 |
| | | 5 | $ 45,918.62 |
| | **Total Price for initial five-year term for Item 5:** | | **$ 218,663.27** |

**APPENDIX B – PRICE SCHEDULE**
Section 1
(continued)

| Item No. | Description | Year | Price |
|---|---|---|---|
| 6.0 | **PBB Pre Cool Units on D2, E6, E8, E20, E21, E22, E23, E24, E25, E30, E31, E33**<br>All Quarterly Inspections, Annual Inspections, and Consumable Materials for 25 Units. Note quantities to be adjusted as needed in the event of any changes in units installed. | 1 | $ 90,188.00 |
| | | 2 | $ 92,442.70 |
| | | 3 | $ 94,753.77 |
| | | 4 | $ 97,122.61 |
| | | 5 | $ 99,550.68 |
| | **Total Price for initial five-year term for Item 6:** | | **$ 474,057.76** |

| Item No. | Description | Year | Price |
|---|---|---|---|
| 7.0 | **PDX POINT OF USE PCA MAINTENANCE F3, F5, F7, F9, F11, F21 and G14**<br>All Quarterly Inspections, Annual Inspections, and Consumable Materials for 7 Units. Note quantities to be adjusted as needed in the event of any changes in units installed. | 1 | $ 62,108.00 |
| | | 2 | $ 63,660.70 |
| | | 3 | $ 65,252.22 |
| | | 4 | $ 66,883.52 |
| | | 5 | $ 68,555.61 |
| | **Total Price for initial five-year term for Item 7:** | | **$ 326,460.05** |

| Item No. | Description | Year | Price |
|---|---|---|---|
| 8.0 | **400 Hz (2500 PLUS SERIES) POINT OF USE SOLID STATE FREQUENTY CONVERTERS (SSFC) MAINTENANCE E2, E4, E5, F21 (2 units) and G14 (2 units)**<br>All Quarterly Inspections, Annual Inspections, and Consumable Materials for 7 Units. Note quantities to be adjusted as needed in the event of any changes in units installed. | 1 | $ 67,459.00 |
| | | 2 | $ 69,145.48 |
| | | 3 | $ 70,874.11 |
| | | 4 | $ 72,645.96 |
| | | 5 | $ 74,462.11 |
| | **Total Price for initial five-year term for Item 8:** | | **$ 354,586.66** |

| Item No. | Description | Year | Price |
|---|---|---|---|
| 9.0 | Miami International Airport Rental Space<br>1,440 Feet of Post Security Space | 1 | $9,764.10 |
| | | 2 | $10,154.66 |
| | | 3 | $10,551.48 |
| | | 4 | $10,973.55 |
| | | 5 | $11,412.48 |
| | **Total Price for initial five-year term for Item 9:** | | **$52,856.27** |

**Total Price for initial five-year term of items 1 thru 9: $6,806,896.77**

**APPENDIX B – PRICE SCHEDULE**
Section 1
(continued)

Option to Renew
During the term of the Agreement, should the County exercise the available option to renew (OTR) the following rates shall apply:

| Item No. | Description | Year | Price |
|---|---|---|---|
| 1.0 | **Pre-conditioned Air-Air Handling Unit**<br>All Quarterly inspections, Annual Inspections, and Consumable Materials for 103 Units. Note quantities to be adjusted as needed in the event of any changes in units installed. | 6 | $ 720,652.72 |
| | | 7 | $ 738,669.04 |
| | | 8 | $ 757,135.77 |
| | | 9 | $ 776,064.16 |
| | | 10 | $ 795,465.77 |
| | | **Total Price for OTR period for Item 1:** | **$ 3,787,987.46** |

| Item No. | Description | Year | Price |
|---|---|---|---|
| 2.0 | **Chiller Plant Equipment Controller (PEC) Panel Annual Support**<br>All Monthly Inspections of Concourse D-Plants 1, 2, and 3. Note quantities to be adjusted as needed in the event of any changes in units installed. | 6 | $ 144,584.92 |
| | | 7 | $ 148,199.54 |
| | | 8 | $ 151,904.53 |
| | | 9 | $ 155,702.14 |
| | | 10 | $ 159,594.70 |
| | | **Total Price for OTR period for Item 2:** | **$ 759,985.83** |

| Item No. | Description | Year | Price |
|---|---|---|---|
| 3.0 | **400 Hertz Motor Generator**<br>All Semi-Annual Inspections, Annual Inspections, Consumable Materials for 24 Units. Note quantities to be adjusted as needed in the event of any changes in units installed. | 6 | $ 77,931.40 |
| | | 7 | $ 79,879.68 |
| | | 8 | $ 81,876.67 |
| | | 9 | $ 83,923.59 |
| | | 10 | $ 86,021.68 |
| | | **Total Price for OTR period for Item 3:** | **$ 409,633.02** |

| Item No. | Description | Year | Price |
|---|---|---|---|
| 4.0 | **Service Transport Units**<br>All Annual Inspections of 110 Units. Note quantities to be adjusted as needed in the event of any changes in units installed. | 6 | $ 214,917.78 |
| | | 7 | $ 220,290.72 |
| | | 8 | $ 225,797.99 |
| | | 9 | $ 231,442.94 |
| | | 10 | $ 237,229.01 |
| | | **Total Price for OTR period for Item 4:** | **$ 1,129,678.44** |

| Item No. | Description | Year | Price |
|---|---|---|---|
| 5.0 | **Maintenance Support**<br>All Monthly Trending Reports, Spare Parts Inventory Control and Administration of Monthly Maintenance Schedule | 6 | $ 47,066.58 |
| | | 7 | $ 48,243.25 |
| | | 8 | $ 49,449.33 |
| | | 9 | $ 50,685.56 |
| | | 10 | $ 51,952.70 |
| | | **Total Price for OTR period for Item 5:** | **$ 247,397.42** |

**APPENDIX B – PRICE SCHEDULE**
Section 1
(continued)

| Item No. | Description | Year | Price |
|---|---|---|---|
| 6.0 | **PBB Pre Cool Units on D2, E6, E8, E20, E21, E22, E23, E24, E25, E30, E31, E33**<br>All Quarterly Inspections, Annual Inspections, and Consumable Materials for 25 Units. Note quantities to be adjusted as needed in the event of any changes in units installed. | 6 | $ 102,039.44 |
| | | 7 | $ 104,590.43 |
| | | 8 | $ 107,205.19 |
| | | 9 | $ 109,885.32 |
| | | 10 | $ 112,632.45 |
| | **Total Price for OTR period for Item 6:** | | **$ 536,352.83** |

| Item No. | Description | Year | Price |
|---|---|---|---|
| 7.0 | **PDX POINT OF USE PCA MAINTENANCE F3, F5, F7, F9, F11, F21 and G14**<br>All Quarterly Inspections, Annual Inspections, and Consumable Materials for 7 Units. Note quantities to be adjusted as needed in the event of any changes in units installed. | 6 | $ 70,269.50 |
| | | 7 | $ 72,026.24 |
| | | 8 | $ 73,826.89 |
| | | 9 | $ 75,672.57 |
| | | 10 | $ 77,564.38 |
| | **Total Price for OTR period for Item 7:** | | **$ 369,359.58** |

| Item No. | Description | Year | Price |
|---|---|---|---|
| 8.0 | **400 Hz (2500 PLUS SERIES) POINT OF USE SOLID STATE FREQUENTY CONVERTERS (SSFC) MAINTENANCE E2, E4, E5, F21 (2 units) and G14 (2 units)**<br>All Quarterly Inspections, Annual Inspections, and Consumable Materials for 7 Units. Note quantities to be adjusted as needed in the event of any changes in units installed. | 6 | $ 76,323.67 |
| | | 7 | $ 78,231.76 |
| | | 8 | $ 80,187.55 |
| | | 9 | $ 82,191.24 |
| | | 10 | $ 84,247.05 |
| | **Total Price for OTR period for Item 8:** | | **$ 401,182.27** |

| Item No. | Description | Year | Price |
|---|---|---|---|
| 9.0 | Miami International Airport Rental Space<br>1,440 Feet of Post Security Space | 6 | $11,868.98 |
| | | 7 | $12,343.74 |
| | | 8 | $12,837.49 |
| | | 9 | $13,350.99 |
| | | 10 | $13,885.03 |
| | **Total Price for OTR period for Item 9:** | | **$64,286.23** |

**Total Price Items 1 thru 9 for OTR period: $7,705,862.08**

**APPENDIX B – PRICE SCHEDULE**
Section 2

| | **Non – Emergency/Routine Hourly Rate** | | | | |
|---|---|---|---|---|---|
| Personnel | Year 1 | Year 2 | Year 3 | Year 4 | Year 5 |
| Field Technician | $ 154.00 | $ 157.85 | $ 161.80 | $ 165.84 | $ 169.99 |
| Field Engineer | $ 303.00 | $ 310.58 | $ 318.34 | $ 326.30 | $ 334.46 |
| In-House Engineer | $ 184.00 | $ 188.60 | $ 193.32 | $ 198.15 | $ 203.10 |
| In-House CAD Designer | $100.00 | $ 102.50 | $ 105.06 | $ 107.69 | $ 110.38 |
| In-House Administration | $ 77.00 | $ 78.93 | $ 80.90 | $ 82.92 | $ 84.99 |
| In-House Project Manager | $ 205.00 | $ 210.13 | $ 215.38 | $ 220.76 | $226.28 |
| Field Project Manager | $ 280.00 | $287.00 | $ 294.18 | $ 301.53 | $ 309.07 |

| | **Emergency Hourly Rate** | | | | |
|---|---|---|---|---|---|
| Personnel | Year 1 | Year 2 | Year 3 | Year 4 | Year 5 |
| Field Technician | $ 185.00 | $ 189.63 | $ 194.37 | $ 199.22 | $ 204.21 |
| Field Engineer | $ 355.00 | $ 363.88 | $ 372.97 | $ 382.30 | $ 391.85 |
| In-House Engineer | $ 220.00 | $ 225.50 | $ 231.14 | $ 236.92 | $ 242.84 |
| In-House CAD Designer | $ 120.00 | $ 123.00 | $ 126.08 | $ 129.23 | $ 132.46 |
| In-House Administration | $ 92.00 | $ 94.30 | $ 96.66 | $ 99.07 | $ 101.55 |
| In-House Project Manager | $ 245.00 | $ 251.13 | $ 257.40 | $ 263.84 | $ 270.43 |
| Field Project Manager | $ 337.00 | $ 345.43 | $ 354.06 | $ 362.91 | $ 371.98 |

**APPENDIX B – PRICE SCHEDULE**
Section 2
(continued)

Option to Renew (OTR)
During the term of the Agreement, should the County exercise the available OTR the following rates shall apply:

| | **OTR: Non – Emergency/Routine Hourly Rate** | | | | |
|---|---|---|---|---|---|
| Personnel | Year 6 | Year 7 | Year 8 | Year 9 | Year 10 |
| Field Technician | $ 174.24 | $ 178.59 | $ 183.06 | $ 187.63 | $ 192.32 |
| Field Engineer | $342.82 | $ 351.39 | $ 360.17 | $ 369.18 | $ 378.41 |
| In-House Engineer | $208.18 | $ 213.38 | $ 218.72 | $ 224.19 | $ 229.79 |
| In-House CAD Designer | $113.14 | $ 115.97 | $ 118.87 | $ 121.84 | $ 124.89 |
| In-House Administration | $87.12 | $ 89.30 | $ 91.54 | $ 93.82 | $ 9616 |
| In-House Project Manager | $231.94 | $ 237.74 | $ 243.68 | $ 249.77 | $ 256.02 |
| Field Project Manager | $316.79 | $ 324.71 | $ 332.83 | $ 341.15 | $ 349.68 |

| | **OTR: Emergency Hourly Rate** | | | | |
|---|---|---|---|---|---|
| Personnel | Year 6 | Year 7 | Year 8 | Year 9 | Year 10 |
| Field Technician | $ 209.31 | $ 214.54 | $ 219.91 | $ 225.40 | $ 231.04 |
| Field Engineer | $ 401.65 | $ 411.69 | $ 421.98 | $ 432.53 | $ 443.35 |
| In-House Engineer | $ 248.91 | $ 255.13 | $ 261.51 | $ 268.05 | $ 274.75 |
| In-House CAD Designer | $ 135.77 | $ 139.16 | $ 142.64 | $ 146.21 | $ 149.86 |
| In-House Administration | $ 104.09 | $ 106.69 | $ 109.36 | $ 112.09 | $ 114.90 |
| In-House Project Manager | $ 277.20 | $ 284.12 | $ 291.23 | $298.51 | $ 305.97 |
| Field Project Manager | $ 381.28 | $ 390.82 | $ 400.59 | $ 410.60 | $ 420.87 |

**APPENDIX B – PRICE SCHEDULE**
Section 2

**NOTE:**

1. In accordance with Appendix A, Scope of Services 3.0, if any corrective measures are taken, rates for these measures shall be in accordance with the established personnel hourly rates as listed above.
2. The County shall allow overtime payment at a rate of one and a half times the Contract's non-emergency/routine hourly rate. Overtime shall be worked only when pre-approved by an authorized County representative. Overtime is considered Monday thru Friday 7:00 PM – 5:00 AM (EST), and all hours on weekends and observed County holidays (link: https://www.miamidade.gov/global/humanresources/holidays.page).
3. The County reserves the right to add or delete classifications of personnel and hourly rates to this Appendix during the term of this Contract including any extensions or renewals thereof.

## APPENDIX C – SPARE PARTS PRICE LIST

The Contractor shall provide OEM spare parts at a fixed 0% (percent) discount from OEM price list. The price list is subject to adjustment once a year annually on January 1. The percent discount is not subject to adjustment, except as provided per Article 8.

### PAC-25 Unit 30 HP Spare Parts

| ITEM NO. | PART NUMBER | DESCRIPTION | QTY | UNIT | PRICE |
|---|---|---|---|---|---|
| 1 | HHV-000000-0061710 | CCV, 1.5" 3WAY, 46Cv | 1 | Ea. | $ 4,326.41 |
| 2 | N031-MG17454 | CIRCUIT BREAKER MINI 5A 2P 480V | 1 | Ea. | $ 829.63 |
| 3 | N031-MG24506 | CIRCUIT BREAKER MINI 10A 1P 480V D-CURVE | 1 | Ea. | $ 384.39 |
| 4 | N032-LC1D09G7 | CONTACTOR, 3P, 9A 120V, 50/60HZ,1NO 1NC | 1 | Ea. | $ 840.02 |
| 5 | N032-LC1D32G7 | CONTACTOR COMPRESSOR 120V 3P 20HP | 1 | Ea. | $ 970.50 |
| 6 | N032-NS2-80B-AU11 | AUXILIARY CONTACT FOR NS2-80B,1NO+1NC | 1 | Ea. | $ 87.46 |
| 7 | N036-B9773 | 18AWG,GRAY,3P COND INSUL CM/AWM, BELDEN | 1 | Ea. | $ 27.04 |
| 8 | N037-0442011 | GND TERM BLOCK 61A 8AWG GREEN YELLOW | 1 | Ea. | $ 55.16 |
| 9 | N037-1201442 | END CLAMP E/UK | 1 | Ea. | $ 1.92 |
| 10 | N037-16204-3 | PWR DIST BL,3P,600V,175A LINE&LOAD:2/0#8CU-AL | 1 | Ea. | $ 60.70 |
| 11 | N037-16220-3 | DIST BLOCK BUSSMANN 3P 600V 175A 2/0-14, 4-14 | 1 | Ea. | $ 493.20 |
| 12 | N037-3044102 | TERMINAL BLOCK UT 4 | 1 | Ea. | $ 4.80 |
| 13 | N037-3047167 | PHOENIX PARTITION PLATE ATP-UT | 1 | Ea. | $ 3.10 |
| 14 | N041-9070TF50D1 | TRANSFORMER,50VA,1PH 240/480P-120S,50/60HZ | 1 | Ea. | $ 1,088.71 |
| 15 | N041-9070TF1000D1 | TRANSFORMER, CONTROL 480/120VAC, 1000VA | 1 | Ea. | $ 4,358.80 |
| 16 | N044-GB-141-7 | EXHAUST FAN,BELT&DIRECT DAMPER SIZE=16 X 16 | 1 | Ea. | $ 3,518.35 |
| 17 | N044-9SG5748P5H01 | EXHAUST FANS 48VDC 78W 6500RPM 410CMF 71dB(A) | 1 | Ea. | $ 733.94 |
| 18 | N045-LRD07 | OVERLOAD RELAY | 1 | Ea. | $ 267.45 |
| 19 | N045-2966184 | RELAY, 24V 6A ,SPSD 1NO 1NC | 1 | Ea. | $ 91.83 |
| 20 | N045-RH2B-ULDC24V | RELAY, 10A, 24VDC, 2PDT WITH INDICATOR | 1 | Ea. | $ 21.21 |
| 21 | N045-RH4B-ULDC24V | RELAY, 10A, 24VDC, 4PDT WITH INDICATOR | 1 | Ea. | $ 100.29 |
| 22 | N045-SH2B-05 | RELAY BASE FOR RH2B 10A, DPDT | 1 | Ea. | $ 9.40 |
| 23 | N045-SH4B-05 | RELAY BASE FOR RH4B 10A, 4PDT | 1 | Ea. | $ 31.55 |
| 24 | N046-FRS-R-20 | FUSETRON 20A, 600V | 1 | Ea. | $ 263.41 |
| 25 | N051-01140.9-00 | HEATER T-STAT RED KT011 15A N.C. CONTACTS | 1 | Ea. | $ 141.36 |
| 26 | N052-1357T51 | QUARTZ GLASS, CLEAR 1-1/2" DIA X 1/8" THICK | 1 | Ea. | $ 162.31 |
| 27 | HEI-000000-0065364 | OPTICAL SENSOR | 1 | Ea. | $ 635.76 |
| 28 | N052-TE-701-D-21-C | DUCT TEMP SENSOR 1.8K OHMNTC THERMISTER AMB/OUTLET | 1 | Ea. | $ 46.28 |
| 29 | N053-PS5R-SE24 | POWER SUPPLY 24DC 3.75A 90W | 1 | Ea. | $ 225.04 |
| 30 | N055-ATV212HD22N4 | VFD, BLOWER MOTOR, 30HP | 1 | Ea. | $ 10,829.21 |
| 31 | N056-EM2534T | BLOWER MOTOR 30HP EM2534T 284TS 1-5/8 35A | 1 | Ea. | $ 7,896.24 |
| 32 | N056-EM4108T | MOTOR, 30HP 230/460V 3PH 60HZ TEFC 286TS | 1 | Ea. | $ 16,072.20 |
| 33 | N057-10055770 | COIL CW/EGW PAC90 SRC P/N: B51-11713 | 1 | Ea. | $ 35,241.23 |
| 34 | N061-0-073-0011-2-P | TAC 302 CONTROLLER NETWORK/PC COMM | 1 | Ea. | $ 25,509.01 |

| ITEM NO. | PART NUMBER | DESCRIPTION | QTY | UNIT | PRICE |
|---|---|---|---|---|---|
| 35 | N061-0-073-0901-0 | TAC 302 BASE TERMINAL PART | 1 | Ea. | $ 2,430.04 |
| 36 | N062-CB501ULHT | CONDENSATE PUMP BECKETT 115V 50/60Hz CB501ULHTS | 1 | Ea. | $ 1,438.83 |
| 37 | N065-AMB24-SR | PROPORTIONAL ACTUATOR 24 VAC/DC | 1 | Ea. | $ 1,030.75 |
| 38 | N065-AMQB24-1 | BRIDGE DAMPER ACTUATOR | 1 | Ea. | $ 1,126.70 |
| 39 | N065-AMQB24-MFT | DAMPER ACTUATOR, 140IN-LB MFT (2-10V), 24V | 1 | Ea. | $ 1,583.56 |
| 40 | N065-B238+ARB24-SR | B238 2-WAY SS BALL VALVE 1.5" +ARB24-SR ACTUATOR | 1 | Ea. | $ 1,579.26 |
| 41 | N065-CSW300441WM1B00 | HOSE 1 VALVE | 1 | Ea. | $ 4,110.01 |
| 42 | N065-EP10025A0W5 | HOSE 1 BRIDGE DAMPER MANIFOLD AC | 1 | Ea. | $ 6,274.42 |
| 43 | N065-ZS-CCV-100 | ACTUATOR WEATHER SHIELD FOR LRB AND ARB ACTUATORS | 1 | Ea. | $ 521.99 |
| 44 | N066-IT-1/0 | 1/0-14AWG INSULATION TAP CONNECTOR | 1 | Ea. | $ 94.23 |
| 45 | N066-IT-4 | 4-14 AWG INSULATION TAP CONNECTOR | 1 | Ea. | $ 96.91 |
| 46 | N067-102-701-012 | INLET AIR FILTER HC XL8-HC 12x24x2 | 1 | Ea. | $ 297.88 |
| 47 | N067-102-701-022 | FILTER, MULTI-PLEATED XL8-HC 24x24x2 | 1 | Ea. | $ 62.73 |
| 48 | HMX-000000-0062810 | FILTER, SPARE PACK 5 FOR RITTAL 3240200 3172.100 | 1 | Ea. | $ 379.93 |
| 49 | N068-271-1.54K-RC | 1.54KOHMS RESISTOR 0.25W, 1% PRECISION | 1 | Ea. | $ 0.44 |
| 50 | N068-271-2.21K-RC | 2.21KOHMS RESISTOR 0.25W, 1% PRECISION | 1 | Ea. | $ 2.54 |
| 51 | N068-271-4.32K-RC | 4.32KOHMS RESISTOR 0.25W, 1% PRECISION | 1 | Ea. | $ 0.89 |
| 52 | N070-14IN_CLAMP | 14" CLAMP FOR HOSE SS | 1 | Ea. | $ 23.35 |
| 53 | N070-620-008 | CLAMPS, FOR HOSE 1/2 | 1 | Ea. | $ 6.16 |
| 54 | N070-COL2409Z1 | CLAMPS,1 1/2OD 1/2W BLK STEEL, RUB CUSHION | 1 | Ea. | $ 4.00 |
| 55 | N070-TBC263 | CLAMP, T BOLT DIXON | 1 | Ea. | $ 26.45 |
| 56 | N072-TY1CPG6 | T&B PVC, COVER GRAY, 1"W | 1 | Ea. | $ 6.33 |
| 57 | N072-TY1X3WPG6 | T&B PVC, DUCT GRAY, 1"X3" | 1 | Ea. | $ 26.92 |
| 58 | N073-13985A26 | TOOL HOLDER (CLIP) TYPE 302 SS | 1 | Ea. | $ 8.89 |
| 59 | N073-3212 | KNOCKOUT BUSHING 1 INCH PLASTIC | 1 | Ea. | $ 8.28 |
| 60 | N073-5236 | 1 1/2" STRAIGHT STEEL LIQUIDTIGHT CONNECTOR | 1 | Ea. | $ 388.95 |
| 61 | N081-FABA010 | INSULATION, FIBER GLASS 1 1/2"X24X48 | 1 | Ea. | $ 159.87 |
| 62 | N084-41-00BK | LOCKS,SLOTTED ARROW PLUG QUARTER, BLK,ZINC PLATED | 1 | Ea. | $ 39.87 |
| 63 | N087-RTV5242 | PLENUM WHITE SILICONE RTV5240 10.1 OZ SEALANT | 1 | Ea. | $ 182.25 |
| 64 | N088-IS808 | GLASS ADHESIVE CLEAR | 1 | Ea. | $ 55.20 |
| 65 | N090-AL9CU | GROUND D971 AU 350 MCM-6 (Manf# AU-350) | 1 | Ea. | $ 57.65 |
| 66 | N091-060100C2-0001B | N091-060100C2-0001B | 1 | Ea. | $ 457.60 |
| 67 | N092-NS2-80B | MOTOR STARTER,25-40A,15KA 230/340/415V,230/240V | 1 | Ea. | $ 139.70 |
| 68 | N093-2410A_CCW | BLOWER WHEEL CCW FOR 1 7/8" SHAFT | 1 | Ea. | $ 1,364.00 |
| 69 | N094-10052085 | BLOWER HOUSING CCW ASSY FOR PAC25 & PDX25 | 1 | Ea. | $ 8,339.56 |
| 70 | N098-C-SD303008 | WALL MOUNT ENCLOSURE | 1 | Ea. | $ 2,509.02 |
| 71 | N099-SL-2000-P | DUCT SMOKE DETECTOR PHOTOELECTRIC | 1 | Ea. | $ 880.18 |
| 72 | N121-PDX_HUB | HUB FOR BLOWER WHEEL ALL PDX | 1 | Ea. | $ 703.89 |
| 73 | N125-3544KBT | GRISWOLD FLOW CONTROL VLV1.5" W/36.6 GPM CARTRIDGE | 1 | Ea. | $ 3,342.40 |

| ITEM NO. | PART NUMBER | DESCRIPTION | QTY | UNIT | PRICE |
|---|---|---|---|---|---|
| 74 | N127-SS13 | N127-SS13 | 1 | Ea. | $ 21.07 |
| 75 | N129-JB101006HC | JB 10X10X6 HINGE COVER | 1 | Ea. | $ 373.72 |
| 76 | N129-JB121006HC | JB 12X10X6 HINGE COVER | 1 | Ea. | $ 513.98 |
| 77 | N131-1361K26 | 1QT, NON-DETERGENT, ND SAE-30 MOTOR OIL | 1 | Ea. | $ 33.53 |
| 78 | N167-STC20 | NPT KNURLED WRENCH GRIP 1 1/2" PLATED STEEL | 1 | Ea. | $ 45.68 |
| 79 | N143-8568K383 | HIGH STRENGTH NEOPRENE 30A DUROMETER, 1/8T x 36W | 1 | Ea. | $ 241.59 |
| 80 | N143-OUTLET_GASKET | RUBBER GASKET COVER FOR OULET,10"-14" | 1 | Ea. | $ 2.33 |
| 81 | N150-1413-005 | BARBED FITTING PVC 90 DEG1/2 TUBE ID X 1/2 NPT WHT | 1 | Ea. | $ 13.64 |
| 82 | N150-D2467 | BUSHING PVC WHITE 3/4 MALE X 1/2 FEMALE NPT | 1 | Ea. | $ 51.72 |
| 83 | N151-FABC001 | 1X24X48" FIBERGLASS BOARD 703(3.0 PCF) | 1 | Ea. | $ 133.54 |
| 84 | N151-FABC002 | FIBER GLASS W/ALUM 1 1/2"X24X48 | 1 | Ea. | $ 142.00 |
| 85 | N156-KTM110810 | HOSE, 1/2 | 1 | Ea. | $ 7.76 |
| 86 | N177-30R22 | r22 REFRIGERANT 30LB CYLINDER | 1 | Ea. | $ 3,756.94 |
| 87 | N201-4L290 | FHP V-BELT 5/16" 29"L 1/2"W RUBBER BODY W/POLY | 1 | Ea. | $ 21.11 |
| 88 | N201-4L320 | FHP V-BELT, 5/16" THICK RUBBER BODY W/ POLY CORDS | 1 | Ea. | $ 36.86 |
| 89 | NR04-1004902707 | CABIN TEMP SENSOR ASSY 1.8K THERMISTOR, WHT/BLU | 1 | Ea. | $ 705.03 |
| 90 | NR04-10053530 | CABIN TEMP SENSOR ASSY PROBE CLIP N OPTICAL SENS | 1 | Ea. | $ 1,857.64 |
| 91 | NR04-10053829 | WALL PLATE ASSY CABIN TEMP SENSOR | 1 | Ea. | $ 616.68 |
| 92 | N0004-PT067570-000 | 14IN DIA 90 DEG AHU AIR OUTLET EXTENSION | 1 | Ea. | $ 852.25 |
| 93 | NR18-1005273901 | 2-POS PC AIR PB STATION NB/WB | 1 | Ea. | $ 852.25 |
| 94 | NR18-1005273902 | 2-POS PC AIR PB STATION RJ/NB | 1 | Ea. | $ 941.76 |
| 95 | NR18-1005275302 | 3-POS PC AIR PB STATION RJ/NB/WB | 1 | Ea. | $ 1,085.02 |

## PAC-25 Unit 40 HP Spare Parts

| ITEM NO. | PART NUMBER | DESCRIPTION | QTY | UNIT | PRICE |
|---|---|---|---|---|---|
| 1 | HEM-000000-059771 | NC1-6511 ELECTRICAL CONTACTOR | 1 | Ea. | $ 507.82 |
| 2 | N031-MG17454 | CIRCUIT BREAKER MINI 5A 2P 480V | 1 | Ea. | $ 829.63 |
| 3 | N031-MG24506 | CIRCUIT BREAKER MINI 10A 1P 480V D-CURVE | 1 | Ea. | $ 384.39 |
| 4 | N032-LC1D09G7 | CONTACTOR, 3P, 9A 120V, 50/60HZ,1NO 1NC | 1 | Ea. | $ 840.02 |
| 5 | N036-B9773 | 18AWG,GRAY,3P COND INSUL CM/AWM, BELDEN | 1 | Ea. | $ 27.04 |
| 6 | N037-0442011 | GND TERM BLOCK 61A 8AWG GREEN YELLOW | 1 | Ea. | $ 55.16 |
| 7 | N037-1201442 | END CLAMP E/UK | 1 | Ea. | $ 1.92 |
| 8 | N037-16204-3 | PWR DIST BL,3P,600V,175A LINE&LOAD:2/0#8CU-AL | 1 | Ea. | $ 60.70 |
| 9 | N037-16220-3 | DIST BLOCK BUSSMANN 3P 600V 175A 2/0-14, 4-14 | 1 | Ea. | $ 493.20 |
| 10 | N037-3044102 | TERMINAL BLOCK UT 4 | 1 | Ea. | $ 4.80 |
| 11 | N037-3047167 | PHOENIX PARTITION PLATE ATP-UT | 1 | Ea. | $ 3.10 |
| 12 | N041-9070TF1000D1 | TRANSFORMER, CONTROL 480/120VAC, 1000VA | 1 | Ea. | $ 683.86 |
| 13 | N041-9070TF50D1 | TRANSFORMER,50VA,1PH 240/480P-120S,50/60HZ | 1 | Ea. | $ 1,088.71 |
| 14 | N045-LRD07 | OVERLOAD RELAY | 1 | Ea. | $ 267.45 |
| 15 | N045-2966184 | RELAY, 24V 6A ,SPSD 1NO 1NC | 1 | Ea. | $ 91.83 |
| 16 | N045-RH2B-ULDC24V | RELAY, 10A, 24VDC, 2PDT WITH INDICATOR | 1 | Ea. | $ 20.07 |
| 17 | N045-RH4B-ULDC24V | RELAY, 10A, 24VDC, 4PDT WITH INDICATOR | 1 | Ea. | $ 33.50 |
| 18 | N045-SH2B-05 | RELAY BASE FOR RH2B 10A, DPDT | 1 | Ea. | $ 9.28 |
| 19 | N045-SH4B-05 | RELAY BASE FOR RH4B 10A, 4PDT | 1 | Ea. | $ 16.21 |
| 20 | N051-01140.9-00 | HEATER T-STAT RED KT011 15A N.C. CONTACTS | 1 | Ea. | $ 141.36 |
| 21 | N052-1357T51 | QUARTZ GLASS, CLEAR 1-1/2" DIA X 1/8" THICK | 1 | Ea. | $ 162.31 |
| 22 | HEI-000000-0065364 | OPTICAL SENSOR | 1 | Ea. | $ 635.76 |
| 23 | N052-TE-701-D-21-C | DUCT TEMP SENSOR 1.8K OHMNTC THERMISTER AMB/OUTLET | 1 | Ea. | $ 46.28 |
| 24 | N053-PS5R-SE24 | POWER SUPPLY 24DC 3.75A 90W | 1 | Ea. | $ 225.04 |
| 25 | N055-ATV212HD30N4 | VFD, BLOWER MOTOR, 40HP 460/3/60 | 1 | Ea. | $ 11,697.68 |
| 26 | N056-EM2538T | BLOWER MOTOR 40HP 1 5/8" 208/460V 3PH 3540RPM | 1 | Ea. | $ 11,481.93 |
| 27 | N057-B51-10928 | CHILLED WATER COIL PAC 25 SRC: B51-10928 | 1 | Ea. | $ 22,025.59 |
| 28 | N061-0-073-0011-2-P | TAC 302 CONTROLLER NETWORK/PC COMM | 1 | Ea. | $ 25,509.01 |
| 29 | N061-0-073-0031-0-P | TAC 282 CONTROLLER | 1 | Ea. | $ 19,419.83 |
| 30 | N061-0-073-0901-0 | TAC 302 BASE TERMINAL PART | 1 | Ea. | $ 2,430.04 |
| 31 | N062-CB501ULHT | CONDENSATE PUMP BECKETT 115V 50/60Hz CB501ULHTS | 1 | Ea. | $ 1,438.83 |
| 32 | N065-AMQB24-1 | BRIDGE DAMPER ACTUATOR | 1 | Ea. | $ 1,126.70 |
| 33 | N065-B238+ARB24-SR | B238 2-WAY SS BALL VALVE 1.5" +ARB24-SR ACTUATOR | 1 | Ea. | $ 1,579.26 |
| 34 | N065-CSW300441WM1B00 | HOSE 1 VALVE | 1 | Ea. | $ 4,110.01 |
| 35 | N065-EP10025A0W5 | HOSE 1 BRIDGE DAMPER MANIFOLD AC | 1 | Ea. | $ 6,274.42 |
| 36 | N065-B238 | BELIMO BALL VALVE B238 | 1 | Ea. | $ 544.59 |
| 37 | N065-ZS-CCV-100 | ACTUATOR WEATHER SHIELD FOR LRB AND ARB ACTUATORS | 1 | Ea. | $ 521.99 |
| 38 | N067-102-701-012 | INLET AIR FILTER HC XL8-HC 12x24x2 | 1 | Ea. | $ 297.88 |
| 39 | N067-102-701-022 | FILTER, MULTI-PLEATED XL8-HC 24x24x2 | 1 | Ea. | $ 62.73 |
| 40 | HMX-000000-0062810 | FILTER, SPARE PACK 5 FOR RITTAL 3240200 3172.100 | 1 | Ea. | $ 379.93 |

| ITEM NO. | PART NUMBER | DESCRIPTION | QTY | UNIT | PRICE |
|---|---|---|---|---|---|
| 41 | N068-271-1.54K-RC | 1.54KOHMS RESISTOR 0.25W, 1% PRECISION | 1 | Ea. | $ 0.44 |
| 42 | N068-271-2.21K-RC | 2.21KOHMS RESISTOR 0.25W, 1% PRECISION | 1 | Ea. | $ 2.54 |
| 43 | N068-271-4.32K-RC | 4.32KOHMS RESISTOR 0.25W, 1% PRECISION | 1 | Ea. | $ 0.89 |
| 44 | N070-100225 | CLAMP, 2.25" DIXON GLYCOL HOSE | 1 | Ea. | $ 44.60 |
| 45 | N070-100250 | CLAMP, 2.5" DIXON GLYCOL HOSE | 1 | Ea. | $ 48.83 |
| 46 | N070-100275 | CLAMP, 2.75" DIXON GLYCOL HOSE | 1 | Ea. | $ 48.85 |
| 47 | N070-620-008 | CLAMPS, FOR HOSE 1/2 | 1 | Ea. | $ 6.16 |
| 48 | N072-TY1CPG6 | T&B PVC, COVER GRAY, 1"W | 1 | Ea. | $ 6.33 |
| 49 | N072-TY1X3WPG6 | T&B PVC, DUCT GRAY, 1"X3" | 1 | Ea. | $ 26.92 |
| 50 | N073-13985A26 | TOOL HOLDER (CLIP) TYPE 302 SS | 1 | Ea. | $ 8.89 |
| 51 | N073-2X4.5 | 2" X 4 1/2" BARBED STRAIGHT HOSE CONNECTOR | 1 | Ea. | $ 42.55 |
| 52 | N073-3212 | KNOCKOUT BUSHING 1 INCH PLASTIC | 1 | Ea. | $ 8.28 |
| 53 | N081-FABA010 | INSULATION, FIBER GLASS 1 1/2"X24X48 | 1 | Ea. | $ 159.87 |
| 54 | N084-41-00BK | LOCKS,SLOTTED ARROW PLUG QUARTER, BLK,ZINC PLATED | 1 | Ea. | $ 39.87 |
| 55 | N087-RTV5242 | PLENUM WHITE SILICONE RTV5240 10.1 OZ SEALANT | 1 | Ea. | $ 182.25 |
| 56 | N088-IS808 | GLASS ADHESIVE CLEAR | 1 | Ea. | $ 55.20 |
| 57 | N090-AL9CU | GROUND D971 AU 350 MCM-6 (Manf# AU-350) | 1 | Ea. | $ 57.65 |
| 58 | N091-060100C2-0001B | N091-060100C2-0001B | 1 | Ea. | $ 457.60 |
| 59 | N093-2410A_CCW | BLOWER WHEEL CCW FOR 1 7/8" SHAFT | 1 | Ea. | $ 1,364.00 |
| 60 | N094-10052085 | BLOWER HOUSING CCW ASSY FOR PAC25 & PDX25 | 1 | Ea. | $ 8,339.56 |
| 61 | N098-C-SD303008 | WALL MOUNT ENCLOSURE | 1 | Ea. | $ 2,509.02 |
| 62 | N099-SL-2000-P | DUCT SMOKE DETECTOR PHOTOELECTRIC | 1 | Ea. | $ 880.18 |
| 63 | N121-PDX_HUB | HUB FOR BLOWER WHEEL ALL PDX | 1 | Ea. | $ 703.89 |
| 64 | N125-3544KBT | GRISWOLD FLOW CONTROL VLV1.5" W/36.6 GPM CARTRIDGE | 1 | Ea. | $ 3,342.40 |
| 65 | N127-SS13 | N127-SS13 | 1 | Ea. | $ 21.07 |
| 66 | N129-JB101006HC | JB 10X10X6 HINGE COVER | 1 | Ea. | $ 373.72 |
| 67 | N129-JB121006HC | JB 12X10X6 HINGE COVER | 1 | Ea. | $ 513.98 |
| 68 | N143-8568K383 | HIGH STRENGTH NEOPRENE 30A DUROMETER, 1/8T x 36W | 1 | Ea. | $ 241.59 |
| 69 | N143-OUTLET_GASKET | RUBBER GASKET COVER FOR OULET,10"-14" | 1 | Ea. | $ 2.33 |
| 70 | N150-1413-005 | BARBED FITTING PVC 90 DEG1/2 TUBE ID X 1/2 NPT WHT | 1 | Ea. | $ 13.64 |
| 71 | N150-D2467 | BUSHING PVC WHITE 3/4 MALE X 1/2 FEMALE NPT | 1 | Ea. | $ 51.72 |
| 72 | N151-FABC001 | 1X24X48" FIBERGLASS BOARD 703(3.0 PCF) | 1 | Ea. | $ 133.54 |
| 73 | N151-FABC002 | FIBER GLASS W/ALUM 1 1/2"X24X48 | 1 | Ea. | $ 142.00 |
| 74 | N156-KTM110810 | HOSE, 1/2 | 1 | Ea. | $ 7.76 |
| 75 | NR04-1004902707 | CABIN TEMP SENSOR ASSY 1.8K THERMISTOR, WHT/BLU | 1 | Ea. | $ 705.03 |
| 76 | NR04-10053530 | CABIN TEMP SENSOR ASSY PROBE CLIP N OPTICAL SENS | 1 | Ea. | $ 1,857.64 |
| 77 | NR04-10053829 | WALL PLATE ASSY CABIN TEMP SENSOR | 1 | Ea. | $ 616.68 |
| 78 | NR18-1005275302 | 3-POS PC AIR PB STATION RJ/NB/WB | 1 | Ea. | $ 431.68 |

## PAC-30 Unit 50 HP Spare Parts

| ITEM NO. | PART NUMBER | DESCRIPTION | QTY | UNIT | PRICE |
|---|---|---|---|---|---|
| 1 | HHV-000000-0060164 | VALVE CCV 3W 2IN 83CV ON-OFF | 1 | Ea. | $ 4,244.64 |
| 2 | N031-MG17454 | CIRCUIT BREAKER MINI 5A 2P 480V | 1 | Ea. | $ 829.63 |
| 3 | N031-MG24506 | CIRCUIT BREAKER MINI 10A 1P 480V D-CURVE | 1 | Ea. | $ 384.39 |
| 4 | N032-LC1D09G7 | CONTACTOR, 3P, 9A 120V, 50/60HZ,1NO 1NC | 1 | Ea. | $ 840.02 |
| 5 | N036-B9773 | 18AWG,GRAY,3P COND INSUL CM/AWM, BELDEN | 1 | Ea. | $ 27.04 |
| 6 | N037-0442011 | GND TERM BLOCK 61A 8AWG GREEN YELLOW | 1 | Ea. | $ 55.16 |
| 7 | N037-1201442 | END CLAMP E/UK | 1 | Ea. | $ 1.92 |
| 8 | N037-16204-3 | PWR DIST BL,3P,600V,175A LINE&LOAD:2/0#8CU-AL | 1 | Ea. | $ 60.70 |
| 9 | N037-16220-3 | DIST BLOCK BUSSMANN 3P 600V 175A 2/0-14, 4-14 | 1 | Ea. | $ 493.20 |
| 10 | N037-3044102 | TERMINAL BLOCK UT 4 | 1 | Ea. | $ 4.80 |
| 11 | N037-3047167 | PHOENIX PARTITION PLATE ATP-UT | 1 | Ea. | $ 3.10 |
| 12 | N040-ASD2L11N-ND | SELECTOR SWITCH 2POS NON-ILLUM COOL/VENT | 1 | Ea. | $ 185.59 |
| 13 | N041-9070TF1000D1 | TRANSFORMER, CONTROL 480/120VAC, 1000VA | 1 | Ea. | $ 4,358.80 |
| 14 | N044-2RTJ3 | AXIAL FAN,24VDC,3-5/8IN H 3-5/8IN WIDTH MFR-DAYTON | 1 | Ea. | $ 124.70 |
| 15 | N045-LRD07 | OVERLOAD RELAY | 1 | Ea. | $ 267.45 |
| 16 | N045-2966184 | RELAY, 24V 6A ,SPSD 1NO 1NC | 1 | Ea. | $ 91.83 |
| 17 | N045-RH2B-ULDC24V | RELAY, 10A, 24VDC, 2PDT WITH INDICATOR | 1 | Ea. | $ 21.21 |
| 18 | N045-RH4B-ULDC24V | RELAY, 10A, 24VDC, 4PDT WITH INDICATOR | 1 | Ea. | $ 100.29 |
| 19 | N045-SH2B-05 | RELAY BASE FOR RH2B 10A, DPDT | 1 | Ea. | $ 9.40 |
| 20 | N045-SH4B-05 | RELAY BASE FOR RH4B 10A, 4PDT | 1 | Ea. | $ 31.55 |
| 21 | N051-01140.9-00 | HEATER T-STAT RED KT011 15A N.C. CONTACTS | 1 | Ea. | $ 141.36 |
| 22 | N052-1357T51 | QUARTZ GLASS, CLEAR 1-1/2" DIA X 1/8" THICK | 1 | Ea. | $ 162.31 |
| 23 | HEI-000000-0065364 | OPTICAL SENSOR | 1 | Ea. | $ 635.76 |
| 24 | N052-TE-701-D-21-C | DUCT TEMP SENSOR 1.8K OHMNTC THERMISTER AMB/OUTLET | 1 | Ea. | $ 46.28 |
| 25 | N053-PS5R-SE24 | POWER SUPPLY 24DC 3.75A 90W | 1 | Ea. | $ 225.04 |
| 26 | N055-ATV212HD15N4 | VFD, BLOWER MOTOR 20HP 460VAC, 3PHASE | 1 | Ea. | $ 6,439.00 |
| 27 | N055-ATV212HD37N4 | BLOWER MOTOR VFD 50HP 480V ATV212 | 1 | Ea. | $ 24,236.65 |
| 28 | N056-EM2542T | BLOWER MOTOR 50HP 1 7/8" 208/460V 3PH 3525RPM | 1 | Ea. | $ 10,765.84 |
| 29 | N056-EM4114T | 50 HP MOTOR, FRAME 326TS 1 7/8" DIA SHAFT | 1 | Ea. | $ 14,492.89 |
| 30 | N057-10055770 | COIL CW/EGW PAC90 SRC P/N: B51-11713 | 1 | Ea. | $ 35,241.23 |
| 31 | N061-0-073-0011-2-P | TAC 302 CONTROLLER NETWORK/PC COMM | 1 | Ea. | $ 25,509.01 |
| 32 | N061-0-073-0901-0 | TAC 302 BASE TERMINAL PART | 1 | Ea. | $ 2,430.04 |
| 33 | N062-CB501ULHT | CONDENSATE PUMP BECKETT 115V 50/60Hz CB501ULHTS | 1 | Ea. | $ 1,438.83 |
| 34 | N065-AMQB24-1 | BRIDGE DAMPER ACTUATOR | 1 | Ea. | $ 1,126.70 |
| 35 | N065-B248+ARB24-SR | 2 WAY CCV SS SS BALL STEM 2" VALVE ACT 24VAC/DC | 1 | Ea. | $ 1,933.79 |
| 36 | N065-CSW300441WM1B00 | HOSE 1 VALVE | 1 | Ea. | $ 4,110.01 |
| 37 | N065-EP10025A0W5 | HOSE 1 BRIDGE DAMPER MANIFOLD AC | 1 | Ea. | $ 6,274.42 |
| 38 | N065-ZS-CCV-100 | ACTUATOR WEATHER SHIELD FOR LRB AND ARB ACTUATORS | 1 | Ea. | $ 521.99 |
| 39 | N067-102-701-012 | INLET AIR FILTER HC XL8-HC 12x24x2 | 1 | Ea. | $ 297.88 |

| ITEM NO. | PART NUMBER | DESCRIPTION | QTY | UNIT | PRICE |
|---|---|---|---|---|---|
| 40 | N067-102-701-022 | FILTER, MULTI-PLEATED XL8-HC 24x24x2 | 1 | Ea. | $ 62.73 |
| 41 | HMX-000000-0062810 | FILTER, SPARE PACK 5 FOR RITTAL 3240200 3172.100 | 1 | Ea. | $ 379.93 |
| 42 | N068-271-1.54K-RC | 1.54KOHMS RESISTOR 0.25W, 1% PRECISION | 1 | Ea. | $ 0.44 |
| 43 | N068-271-2.21K-RC | 2.21KOHMS RESISTOR 0.25W, 1% PRECISION | 1 | Ea. | $ 2.54 |
| 44 | N068-271-4.32K-RC | 4.32KOHMS RESISTOR 0.25W, 1% PRECISION | 1 | Ea. | $ 0.89 |
| 45 | N070-620-008 | CLAMPS, FOR HOSE 1/2 | 1 | Ea. | $ 6.16 |
| 46 | N070-TBC200 | CLAMP, T-BOLT STAINLESS FROM 1.844" TO 2.062" OD | 1 | Ea. | $ 44.62 |
| 47 | N070-TBC250 | CLAMP, T-BOLT STAINLESS FROM 2.344" TO 2.562" OD | 1 | Ea. | $ 24.69 |
| 48 | N072-TY1CPG6 | T&B PVC, COVER GRAY, 1"W | 1 | Ea. | $ 6.33 |
| 49 | N072-TY1X3WPG6 | T&B PVC, DUCT GRAY, 1"X3" | 1 | Ea. | $ 26.92 |
| 50 | N073-13985A26 | TOOL HOLDER (CLIP) TYPE 302 SS | 1 | Ea. | $ 8.89 |
| 51 | N073-3212 | KNOCKOUT BUSHING 1 INCH PLASTIC | 1 | Ea. | $ 8.28 |
| 52 | N081-FABA010 | INSULATION, FIBER GLASS 1 1/2"X24X48 | 1 | Ea. | $ 159.87 |
| 53 | N084-41-00BK | LOCKS,SLOTTED ARROW PLUG QUARTER, BLK,ZINC PLATED | 1 | Ea. | $ 39.87 |
| 54 | N087-RTV5242 | PLENUM WHITE SILICONE RTV5240 10.1 OZ SEALANT | 1 | Ea. | $ 182.25 |
| 55 | N088-IS808 | GLASS ADHESIVE CLEAR | 1 | Ea. | $ 55.20 |
| 56 | N090-AL9CU | GROUND D971 AU 350 MCM-6 (Manf# AU-350) | 1 | Ea. | $ 57.65 |
| 57 | N091-060100C2-0001B | N091-060100C2-0001B | 1 | Ea. | $ 457.60 |
| 58 | N093-10052896 | BLOWER WHEEL ASSY FOR CCW 26512 WHEEL | 1 | Ea. | $ 3,129.45 |
| 59 | N094-10051861 | BLOWER HOUSING CCW | 1 | Ea. | $ 6,063.42 |
| 60 | N098-C-SD303008 | WALL MOUNT ENCLOSURE | 1 | Ea. | $ 2,509.02 |
| 61 | N099-SL-2000-P | DUCT SMOKE DETECTOR PHOTOELECTRIC | 1 | Ea. | $ 880.18 |
| 62 | N103-5B-0404 | #4 AWG 4C 93A TYPE W LEAD CURED | 1 | Ea. | $ 35.85 |
| 63 | N121-PDX_HUB | HUB FOR BLOWER WHEEL ALL PDX | 1 | Ea. | $ 703.89 |
| 64 | N125-3544LBT | 66.62 GPM WITH 2 INCH LONG EXTENSION | 1 | Ea. | $ 4,021.53 |
| 65 | N127-SS13 | N127-SS13 | 1 | Ea. | $ 21.07 |
| 66 | N129-JB101006HC | JB 10X10X6 HINGE COVER | 1 | Ea. | $ 373.72 |
| 67 | N129-JB121006HC | JB 12X10X6 HINGE COVER | 1 | Ea. | $ 513.98 |
| 68 | N143-8568K383 | HIGH STRENGTH NEOPRENE 30A DUROMETER, 1/8T x 36W | 1 | Ea. | $ 241.59 |
| 69 | N143-OUTLET_GASKET | RUBBER GASKET COVER FOR OULET,10"-14" | 1 | Ea. | $ 2.33 |
| 70 | N150-1413-005 | BARBED FITTING PVC 90 DEG1/2 TUBE ID X 1/2 NPT WHT | 1 | Ea. | $ 13.64 |
| 71 | N150-D2467 | BUSHING PVC WHITE 3/4 MALE X 1/2 FEMALE NPT | 1 | Ea. | $ 51.72 |
| 72 | N151-FABC001 | 1X24X48" FIBERGLASS BOARD 703(3.0 PCF) | 1 | Ea. | $ 133.54 |
| 73 | N151-FABC002 | FIBER GLASS W/ALUM 1 1/2"X24X48 | 1 | Ea. | $ 142.00 |
| 74 | N156-KTM110810 | HOSE, 1/2 | 1 | Ea. | $ 7.76 |
| 75 | NR04-1004902707 | CABIN TEMP SENSOR ASSY 1.8K THERMISTOR, WHT/BLU | 1 | Ea. | $ 705.03 |
| 76 | NR04-10053530 | CABIN TEMP SENSOR ASSY PROBE CLIP N OPTICAL SENS | 1 | Ea. | $ 1,857.64 |
| 77 | NR04-10053829 | WALL PLATE ASSY CABIN TEMP SENSOR | 1 | Ea. | $ 616.68 |
| 78 | NR18-1005275302 | 3-POS PC AIR PB STATION RJ/NB/WB | 1 | Ea. | $ 1,181.75 |

## PAC-30 Unit 60 HP Spare Parts

| ITEM NO. | PART NUMBER | DESCRIPTION | QTY | UNIT | PRICE |
|---|---|---|---|---|---|
| 1 | HHF-000000-0061146 | HOSE, CONNECTOR BARBED STRAIGHT 1.5" X 4" | 1 | Ea. | $ 19.09 |
| 2 | HPT-000000-0062352 | ELBOW, SWING PIPE 1/2" | 1 | Ea. | $ 8.25 |
| 3 | N031-MG17454 | CIRCUIT BREAKER MINI 5A 2P 480V | 1 | Ea. | $ 829.63 |
| 4 | N031-MG24506 | CIRCUIT BREAKER MINI 10A 1P 480V D-CURVE | 1 | Ea. | $ 384.39 |
| 5 | N032-LC1D09G7 | CONTACTOR, 3P, 9A 120V, 50/60HZ,1NO 1NC | 1 | Ea. | $ 840.02 |
| 6 | N036-B9773 | 18AWG,GRAY,3P COND INSUL CM/AWM, BELDEN | 1 | Ea. | $ 27.04 |
| 7 | N037-0442011 | GND TERM BLOCK 61A 8AWG GREEN YELLOW | 1 | Ea. | $ 55.16 |
| 8 | N037-1201442 | END CLAMP E/UK | 1 | Ea. | $ 1.92 |
| 9 | N037-16204-3 | PWR DIST BL,3P,600V,175A LINE&LOAD:2/0#8CU-AL | 1 | Ea. | $ 60.70 |
| 10 | N037-16220-3 | DIST BLOCK BUSSMANN 3P 600V 175A 2/0-14, 4-14 | 1 | Ea. | $ 493.20 |
| 11 | N037-3044102 | TERMINAL BLOCK UT 4 | 1 | Ea. | $ 4.80 |
| 12 | N037-3047167 | PHOENIX PARTITION PLATE ATP-UT | 1 | Ea. | $ 3.10 |
| 13 | N041-9070TF1000D1 | TRANSFORMER, CONTROL 480/120VAC, 1000VA | 1 | Ea. | $ 4,358.80 |
| 14 | N045-LRD07 | OVERLOAD RELAY | 1 | Ea. | $ 267.45 |
| 15 | N045-2966184 | RELAY, 24V 6A ,SPSD 1NO 1NC | 1 | Ea. | $ 91.83 |
| 16 | N045-RH2B-ULDC24V | RELAY, 10A, 24VDC, 2PDT WITH INDICATOR | 1 | Ea. | $ 21.21 |
| 17 | N045-RH4B-ULDC24V | RELAY, 10A, 24VDC, 4PDT WITH INDICATOR | 1 | Ea. | $ 100.29 |
| 18 | N045-SH2B-05 | RELAY BASE FOR RH2B 10A, DPDT | 1 | Ea. | $ 9.40 |
| 19 | N045-SH4B-05 | RELAY BASE FOR RH4B 10A, 4PDT | 1 | Ea. | $ 31.55 |
| 20 | N051-01140.9-00 | HEATER T-STAT RED KT011 15A N.C. CONTACTS | 1 | Ea. | $ 141.36 |
| 21 | N052-1357T51 | QUARTZ GLASS, CLEAR 1-1/2" DIA X 1/8" THICK | 1 | Ea. | $ 162.31 |
| 22 | HEI-000000-0065364 | OPTICAL SENSOR | 1 | Ea. | $ 635.76 |
| 23 | N052-TE-701-D-21-C | DUCT TEMP SENSOR 1.8K OHMNTC THERMISTER AMB/OUTLET | 1 | Ea. | $ 46.28 |
| 24 | N053-PS5R-SE24 | POWER SUPPLY 24DC 3.75A 90W | 1 | Ea. | $ 225.04 |
| 25 | N055-ATV212HD22N4 | VFD, BLOWER MOTOR, 30HP | 1 | Ea. | $ 10,829.21 |
| 26 | N056-EM2546T | BLOWER MOTOR ODP 1-7/8" 60HP 3550RPM 3P 60HZ 326T | 1 | Ea. | $ 30,320.02 |
| 27 | N056-EM2549T | MOTOR 75HP 460/3/60 3540RPM 364TS | 1 | Ea. | $ 18,411.40 |
| 28 | N057-10055770 | COIL CW/EGW PAC90 SRC P/N: B51-11713 | 1 | Ea. | $ 35,241.23 |
| 29 | N061-0-073-0011-2-P | TAC 302 CONTROLLER NETWORK/PC COMM | 1 | Ea. | $ 25,509.01 |
| 30 | N061-0-073-0901-0 | TAC 302 BASE TERMINAL PART | 1 | Ea. | $ 2,430.04 |
| 31 | N062-CB501ULHT | CONDENSATE PUMP BECKETT 115V 50/60Hz CB501ULHTS | 1 | Ea. | $ 1,438.83 |
| 32 | N065-AMQB24-1 | BRIDGE DAMPER ACTUATOR | 1 | Ea. | $ 1,126.70 |
| 33 | N065-B248+ARB24-SR | 2 WAY CCV SS SS BALL STEM 2" VALVE ACT 24VAC/DC | 1 | Ea. | $ 1,933.79 |
| 34 | N065-CSW300441WM1B00 | HOSE 1 VALVE | 1 | Ea. | $ 4,110.01 |
| 35 | N065-EP10025A0W5 | HOSE 1 BRIDGE DAMPER MANIFOLD AC | 1 | Ea. | $ 6,274.42 |
| 36 | N065-ZS-CCV-100 | ACTUATOR WEATHER SHIELD FOR LRB AND ARB ACTUATORS | 1 | Ea. | $ 521.99 |
| 37 | N067-102-701-012 | INLET AIR FILTER HC XL8-HC 12x24x2 | 1 | Ea. | $ 297.88 |
| 38 | N067-102-701-022 | FILTER, MULTI-PLEATED XL8-HC 24x24x2 | 1 | Ea. | $ 62.73 |
| 39 | HMX-000000-0062810 | FILTER, SPARE PACK 5 FOR RITTAL 3240200 3172.100 | 1 | Ea. | $ 379.93 |

| ITEM NO. | PART NUMBER | DESCRIPTION | QTY | UNIT | PRICE |
|---|---|---|---|---|---|
| 40 | N068-271-1.54K-RC | 1.54KOHMS RESISTOR 0.25W, 1% PRECISION | 1 | Ea. | $ 0.44 |
| 41 | N068-271-2.21K-RC | 2.21KOHMS RESISTOR 0.25W, 1% PRECISION | 1 | Ea. | $ 2.54 |
| 42 | N068-271-4.32K-RC | 4.32KOHMS RESISTOR 0.25W, 1% PRECISION | 1 | Ea. | $ 0.89 |
| 43 | N070-100200 | CLAMP, 2" DIXON GLYCOL HOSE | 1 | Ea. | $ 36.93 |
| 44 | N070-620-008 | CLAMPS, FOR HOSE 1/2 | 1 | Ea. | $ 6.16 |
| 45 | N072-TY1CPG6 | T&B PVC, COVER GRAY, 1"W | 1 | Ea. | $ 6.33 |
| 46 | N072-TY1X3WPG6 | T&B PVC, DUCT GRAY, 1"X3" | 1 | Ea. | $ 26.92 |
| 47 | N073-13985A26 | TOOL HOLDER (CLIP) TYPE 302 SS | 1 | Ea. | $ 8.89 |
| 48 | N073-2-1.5X4.5 | 2" TO 1.5" BARBED STRAIGHT HOSE CONNECTOR | 1 | Ea. | $ 171.35 |
| 49 | N073-3212 | KNOCKOUT BUSHING 1 INCH PLASTIC | 1 | Ea. | $ 8.28 |
| 50 | N073-3-2X4.5 | 3" TO 2" BARBED STRAIGHT HOSE CONNECTOR | 1 | Ea. | $ 197.58 |
| 51 | N081-FABA010 | INSULATION, FIBER GLASS 1 1/2"X24X48 | 1 | Ea. | $ 159.87 |
| 52 | N084-41-00BK | LOCKS,SLOTTED ARROW PLUG QUARTER, BLK,ZINC PLATED | 1 | Ea. | $ 39.87 |
| 53 | N087-RTV5242 | PLENUM WHITE SILICONE RTV5240 10.1 OZ SEALANT | 1 | Ea. | $ 182.25 |
| 54 | N088-IS808 | GLASS ADHESIVE CLEAR | 1 | Ea. | $ 55.20 |
| 55 | N090-AL9CU | GROUND D971 AU 350 MCM-6 (Manf# AU-350) | 1 | Ea. | $ 57.65 |
| 56 | N091-060100C2-0001B | N091-060100C2-0001B | 1 | Ea. | $ 457.60 |
| 57 | N093-10052896 | BLOWER WHEEL ASSY FOR CCW 26512 WHEEL | 1 | Ea. | $ 3,129.45 |
| 58 | N094-10051861 | BLOWER HOUSING CCW | 1 | Ea. | $ 6,063.42 |
| 59 | N098-C-SD303008 | WALL MOUNT ENCLOSURE | 1 | Ea. | $ 2,509.02 |
| 60 | N099-SL-2000-P | DUCT SMOKE DETECTOR PHOTOELECTRIC | 1 | Ea. | $ 880.18 |
| 61 | N121-PDX_HUB | HUB FOR BLOWER WHEEL ALL PDX | 1 | Ea. | $ 703.89 |
| 62 | N125-3544LBT | 66.62 GPM WITH 2 INCH LONG EXTENSION | 1 | Ea. | $ 4,021.53 |
| 63 | N127-SS13 | N127-SS13 | 1 | Ea. | $ 21.07 |
| 64 | N129-JB101006HC | JB 10X10X6 HINGE COVER | 1 | Ea. | $ 373.72 |
| 65 | N129-JB121006HC | JB 12X10X6 HINGE COVER | 1 | Ea. | $ 513.98 |
| 66 | N143-8568K383 | HIGH STRENGTH NEOPRENE 30A DUROMETER, 1/8T x 36W | 1 | Ea. | $ 241.59 |
| 67 | N143-OUTLET_GASKET | RUBBER GASKET COVER FOR OULET,10"-14" | 1 | Ea. | $ 2.33 |
| 68 | N150-1413-005 | BARBED FITTING PVC 90 DEG1/2 TUBE ID X 1/2 NPT WHT | 1 | Ea. | $ 13.64 |
| 69 | N150-D2467 | BUSHING PVC WHITE 3/4 MALE X 1/2 FEMALE NPT | 1 | Ea. | $ 51.72 |
| 70 | N151-FABC001 | 1X24X48" FIBERGLASS BOARD 703(3.0 PCF) | 1 | Ea. | $ 133.54 |
| 71 | N151-FABC002 | FIBER GLASS W/ALUM 1 1/2"X24X48 | 1 | Ea. | $ 142.00 |
| 72 | N156-KTM110810 | HOSE, 1/2 | 1 | Ea. | $ 7.76 |
| 73 | NR04-1004902707 | CABIN TEMP SENSOR ASSY 1.8K THERMISTOR, WHT/BLU | 1 | Ea. | $ 705.03 |
| 74 | NR04-10053530 | CABIN TEMP SENSOR ASSY PROBE CLIP N OPTICAL SENS | 1 | Ea. | $ 1,857.64 |
| 75 | NR04-10053829 | WALL PLATE ASSY CABIN TEMP SENSOR | 1 | Ea. | $ 616.68 |
| 76 | NR18-1005275302 | 3-POS PC AIR PB STATION RJ/NB/WB | 1 | Ea. | $ 431.68 |

**APPENDIX C – SPARE PARTS PRICE LIST**
PDXC Units

**PDX-45C Spare Parts**

| ITEM NO. | PART NUMBER | DESCRIPTION | QTY | UNIT | PRICE |
|---|---|---|---|---|---|
| 1 | N031-JGL36150 | MOLDED CASE CIRCUIT BREAKER 600V 150A | 1 | Ea. | $ 15,716.01 |
| 2 | N031-GV3P65 | CIRCUIT BREAKER, 48-65AMP 3P, 600VAC | 1 | Ea. | $ 722.99 |
| 3 | N031-GV3P50 | MANUAL STARTER CONDENSER 37-50A 460V 30HP | 1 | Ea. | $ 2,286.23 |
| 4 | N032-LC1D65AG7 | CONTACTOR,TESYS D 3P AC | 1 | Ea. | $ 676.63 |
| 5 | N040-LADN20 | SWITCH,AUX CONT,2NO CONT FRONT SIDE, SCREW CLAMP | 1 | Ea. | $ 50.55 |
| 6 | N040-GVAED101 | AUX CONTACT BLOCK FRONT 1NO 1NO FAULT | 1 | Ea. | $ 77.49 |
| 7 | HTC-000000-0069320 | COMPR. 25 TON R407C ROTAL 400/3/50 & 460/3/60 | 1 | Ea. | $ 18,338.01 |
| 8 | HTC-000000-0069321 | COMPR. 20 TON R407C ROTAL 400/3/50 & 460/3/60 | 1 | Ea. | $ 38,341.12 |
| 9 | N091-018-0091-08 | CRANKCASE HEATER 150W 480V | 1 | Ea. | $ 109.02 |
| 10 | N091-018-0091-05 | CRANKCASE HEATER, 120W 480/3/60 | 1 | Ea. | $ 563.87 |
| 11 | HEP-000000-0061041 | CIRCUIT BREAKER MOTOR PRO 3P 2.5-4A 690VAC DISCON | 1 | Ea. | $ 280.76 |
| 12 | HEM-000000-0066998 | CONDENSER FAN W/ INTEGRATED EC MOTOR 800MM | 1 | Ea. | $ 5,819.45 |
| 13 | HEM-000000-0067427 | GUARD GRILLE SUCTION COND FAN FITS 800mm EC FAN | 1 | Ea. | $ 309.54 |
| 14 | N055-ATV212HD22N4 | VFD, BLOWER MOTOR, 30HP | 1 | Ea. | $ 10,829.21 |
| 15 | N056-EM2534T | BLOWER MOTOR 30HP EM2534T 284TS 1-5/8 35A | 1 | Ea. | $ 7,896.24 |
| 16 | N093-2410A_CCW | BLOWER WHEEL CCW FOR 1 7/8" SHAFT | 1 | Ea. | $ 1,364.00 |
| 17 | N0004-PT063637-000 | ELECTRIC HEATER, 50KW 480V 34"X19" | 1 | Ea. | $ 4,112.44 |
| 18 | NR04-10052659 | HEATER PWM-SS ASSEMBLY | 1 | Ea. | $ 4,548.39 |
| 19 | N040-1823-10 | PRESSURE SWITCH LOW DIFF 2.0 TO 10 IN W.C. | 1 | Ea. | $ 545.58 |
| 20 | HEP-000000-0067505 | CIRCUIT BREAKER 40A 3P UL1077 C CURVE 480Y 5kA | 1 | Ea. | $ 201.20 |
| 21 | HEP-000000-0063674 | CIRCUIT BREAKER 5A 2P UL489 D CURVE | 1 | Ea. | $ 170.64 |
| 22 | HEP-000000-0063675 | CIRCUIT BREAKER 10A 2P UL489 D CURVE | 1 | Ea. | $ 152.76 |
| 23 | N041-9070T1000D1 | CONTROL XFRMR 1000VA 480/240 X 120V | 1 | Ea. | $ 809.96 |
| 24 | N062-CB501ULHT | CONDENSATE PUMP BECKETT 115V 50/60Hz CB501ULHTS | 1 | Ea. | $ 1,438.83 |
| 25 | N053-PS5R-SE24 | POWER SUPPLY 24DC 3.75A 90W | 1 | Ea. | $ 225.04 |
| 26 | HEH-000000-0065075 | Proface HMI CPU Module for 5.7" Screen | 1 | Ea. | $ 2,562.62 |
| 27 | HEP-000000-0066980 | PCA CONTROLLER TM172PBG42R MODBUS | 1 | Ea. | $ 1,410.62 |
| 28 | HEP-000000-0067670 | ADDITIONAL I/O MODULE TM172E28R | 1 | Ea. | $ 809.55 |
| 29 | N052-TE-701-D-3-C | DUCT TEMP SENSOR 1K OHM RTD 8" | 1 | Ea. | $ 51.08 |
| 30 | N052-TE-704-A-3 | TEMPRATURE SENSOR 1K PLATINUM RTD | 1 | Ea. | $ 48.60 |
| 31 | N045-RH1B-ULDC24V | RELAY, 10A, 24VDC, SPDT WITH INDICATOR | 1 | Ea. | $ 27.84 |
| 32 | N045-RY2S-ULDC24V | RELAY, 3A, 24VDC, 2PDT WITH INDICATOR | 1 | Ea. | $ 28.96 |
| 33 | N045-RU4S-C-D24 | RELAY, 5A, 24VDC 4PDT WITH INDICATOR | 1 | Ea. | $ 21.29 |
| 34 | N040-ADPS-03-2-N | HVAC DIFF PRESS SWITCH ADJ 0.20 TO 2.00 IN. W.C. | 1 | Ea. | $ 136.40 |
| 35 | HEI-000000-0065410 | PRESSURE TRANSMITTER 0-600PSI 0-10VDC | 1 | Ea. | $ 654.19 |
| 36 | HEI-000000-0065407 | PRESSURE TRANSMITTER 0-200PSI 0-10VDC | 1 | Ea. | $ 654.19 |
| 37 | HEI-000000-0065399 | PRESSURE TRANSMITTER 628-06 0-5PSI 0-10VDC | 1 | Ea. | $ 654.19 |
| 38 | N063-P100DA-2C | PRESSURE CONTROL DISC P100DA-2C 0-475 PSIG Man-Res | 1 | Ea. | $ 330.81 |
| 39 | N063-P100CP-201C | PRESSURE SWITCH LOW SUCTION 32 PSI IN 10 PSI | 1 | Ea. | $ 198.66 |

| ITEM NO. | PART NUMBER | DESCRIPTION | QTY | UNIT | PRICE |
|---|---|---|---|---|---|
| 40 | N063-404360 | FILTER CORE FOR DRYER SHELL | 1 | Ea. | $ 105.62 |
| 41 | N063-700507 | MOISTURE/LIQUID INDICATOR SA-17S 7/8" ODF | 1 | Ea. | $ 216.29 |
| 42 | N063-3672-00 | SOLENOID VALVE 1 1/8" ODF | 1 | Ea. | $ 687.28 |
| 43 | N063-3596-00 | SOLENOID VALVE ME 19S270 7/8" ODF | 1 | Ea. | $ 1,621.93 |
| 44 | N063-311424 | SOLENOID VALVE COIL 120V .26AMPS | 1 | Ea. | $ 221.39 |
| 45 | HTV-000000-0069336 | VALVE REF ELEC EXP, SERI-JS 9X11ODF M12 LESS CABLE | 1 | Ea. | $ 2,239.64 |
| 46 | HTV-000000-0069337 | VALVE REF ELEC EXP, SERI-GS 7X11ODF M12 LESS CABLE | 1 | Ea. | $ 5,219.28 |
| 47 | HEP-000000-0069341 | ELEC EXP VALVE DRIVER TM172 BI-POLAR | 1 | Ea. | $ 547.65 |
| 48 | N063-930018 | ELEC HOT GAS BP VLV SDR-4-1 1/8" (9ODF) 20' | 1 | Ea. | $ 2,675.79 |
| 49 | HTV-000000-0064204 | VALVE DRIVER BOARD | 1 | Ea. | $ 914.38 |
| 50 | HES-000000-0058876 | SWITCH, DOOR INTERLOCK, NO | 1 | Ea. | $ 48.62 |
| 51 | HMA-000000-0058739 | HINGE, DIRAK METAL 4-272 PR01 270DEG | 1 | Ea. | $ 62.08 |
| 52 | N130-VAF-11 | VIBRATION ABSORBER 1-5/8" | 1 | Ea. | $ 436.07 |
| 53 | N130-VAF-10 | VIBRATION ABSORBER 1-3/8" | 1 | Ea. | $ 285.37 |

**PDX-60C Spare Parts**

| ITEM NO. | PART NUMBER | DESCRIPTION | QTY | UNIT | PRICE |
|---|---|---|---|---|---|
| 1 | HEP-000000-0058730 | MOLDED CASE CB 3P, 175A, 600V, G-CURVE | 1 | Ea. | $ 3,350.07 |
| 2 | N031-GV3P65 | CIRCUIT BREAKER, 48-65AMP 3P, 600VAC | 1 | Ea. | $ 722.99 |
| 3 | N032-LC1D65AG7 | CONTACTOR,TESYS D 3P AC | 1 | Ea. | $ 676.63 |
| 4 | N040-LADN20 | SWITCH,AUX CONT,2NO CONT FRONT SIDE, SCREW CLAMP | 1 | Ea. | $ 50.55 |
| 5 | N040-GVAED101 | AUX CONTACT BLOCK FRONT 1NO 1NO FAULT | 1 | Ea. | $ 77.49 |
| 6 | HTC-000000-0065469 | COMPR. 30 TON R407C ROTAL 400/3/50 & 460/3/60 | 1 | Ea. | $ 15,567.22 |
| 7 | N091-018-0091-08 | CRANKCASE HEATER 150W 480V | 1 | Ea. | $ 109.02 |
| 8 | HEP-000000-0061041 | CIRCUIT BREAKER MOTOR PRO 3P 2.5-4A 690VAC DISCON | 1 | Ea. | $ 280.76 |
| 9 | HEM-000000-0069329 | CONDENSER FAN W/ INT. EC MOTOR 800MM 2.8KW GEN 2 | 1 | Ea. | $ 5,819.45 |
| 10 | HEM-000000-0067427 | GUARD GRILLE SUCTION COND FAN FITS 800mm EC FAN | 1 | Ea. | $ 309.54 |
| 11 | N055-ATV212HD22N4 | VFD, BLOWER MOTOR, 30HP | 1 | Ea. | $ 10,829.21 |
| 12 | N056-EM2534T | BLOWER MOTOR 30HP EM2534T 284TS 1-5/8 35A | 1 | Ea. | $ 7,896.24 |
| 13 | N093-2410A_CCW | BLOWER WHEEL CCW FOR 1 7/8" SHAFT | 1 | Ea. | $ 1,364.00 |
| 14 | N0004-PT063637-000 | ELECTRIC HEATER, 50KW 480V 34"X19" | 1 | Ea. | $ 4,112.44 |
| 15 | NR04-10052659 | HEATER PWM-SS ASSEMBLY | 1 | Ea. | $ 4,548.39 |
| 16 | N040-1823-10 | PRESSURE SWITCH LOW DIFF 2.0 TO 10 IN W.C. | 1 | Ea. | $ 545.58 |
| 17 | HEP-000000-0067505 | CIRCUIT BREAKER 40A 3P UL1077 C CURVE 480Y 5kA | 1 | Ea. | $ 201.20 |
| 18 | HEP-000000-0063674 | CIRCUIT BREAKER 5A 2P UL489 D CURVE | 1 | Ea. | $ 170.64 |
| 19 | HEP-000000-0063675 | CIRCUIT BREAKER 10A 2P UL489 D CURVE | 1 | Ea. | $ 152.76 |
| 20 | N041-9070T1000D1 | CONTROL XFRMR 1000VA 480/240 X 120V | 1 | Ea. | $ 809.96 |
| 21 | N062-CB501ULHT | CONDENSATE PUMP BECKETT 115V 50/60Hz CB501ULHTS | 1 | Ea. | $ 1,438.83 |
| 22 | N053-PS5R-SE24 | POWER SUPPLY 24DC 3.75A 90W | 1 | Ea. | $ 225.04 |
| 23 | HEH-000000-0065075 | PROFACE HMI CPU MODULE FOR 5.7" SCREEN | 1 | Ea. | $ 2,562.62 |
| 24 | HEP-000000-0066980 | PCA CONTROLLER TM172PBG42R MODBUS | 1 | Ea. | $ 1,410.62 |
| 25 | HEP-000000-0067670 | ADDITIONAL I/O MODULE TM172E28R | 1 | Ea. | $ 809.55 |
| 26 | N052-TE-701-D-3-C | DUCT TEMP SENSOR 1K OHM RTD 8" | 1 | Ea. | $ 51.08 |
| 27 | N052-TE-704-A-3 | TEMPRATURE SENSOR 1K PLATINUM RTD | 1 | Ea. | $ 48.60 |
| 28 | N045-RH1B-ULDC24V | RELAY, 10A, 24VDC, SPDT WITH INDICATOR | 1 | Ea. | $ 27.84 |
| 29 | N045-RY2S-ULDC24V | RELAY, 3A, 24VDC, 2PDT WITH INDICATOR | 1 | Ea. | $ 28.96 |
| 30 | N045-RU4S-C-D24 | RELAY, 5A, 24VDC 4PDT WITH INDICATOR | 1 | Ea. | $ 21.29 |
| 31 | N040-ADPS-03-2-N | HVAC DIFF PRESS SWITCH ADJ 0.20 TO 2.00 IN. W.C. | 1 | Ea. | $ 136.40 |
| 32 | N099-SL-2000-N | SMOKE DETECTOR IONIZATION TYPE | 1 | Ea. | $ 880.18 |
| 33 | HEI-000000-0065410 | PRESSURE TRANSMITTER 0-600PSI 0-10VDC | 1 | Ea. | $ 654.19 |
| 34 | HEI-000000-0065407 | PRESSURE TRANSMITTER 0-200PSI 0-10VDC | 1 | Ea. | $ 654.19 |
| 35 | HEI-000000-0065399 | PRESSURE TRANSMITTER 628-06 0-5PSI 0-10VDC | 1 | Ea. | $ 654.19 |
| 36 | N063-P100DA-2C | PRESSURE CONTROL DISC P100DA-2C 0-475 PSIG Man-Res | 1 | Ea. | $ 330.81 |
| 37 | N063-P100CP-201C | PRESSURE SWITCH LOW SUCTION 32 PSI IN 10 PSI | 1 | Ea. | $ 198.66 |
| 38 | N063-404360 | FILTER CORE FOR DRYER SHELL | 1 | Ea. | $ 105.62 |
| 39 | N063-700507 | MOISTURE/LIQUID INDICATOR SA-17S 7/8" ODF | 1 | Ea. | $ 216.29 |
| 40 | N063-3672-00 | SOLENOID VALVE 1 1/8" ODF | 1 | Ea. | $ 687.28 |

| ITEM NO. | PART NUMBER | DESCRIPTION | QTY | UNIT | PRICE |
|---|---|---|---|---|---|
| 41 | N063-3596-00 | SOLENOID VALVE ME 19S270 7/8" ODF | 1 | Ea. | $ 1,621.93 |
| 42 | N063-311424 | SOLENOID VALVE COIL 120V .26AMPS | 1 | Ea. | $ 221.39 |
| 43 | HTV-000000-0069336 | VALVE REF ELEC EXP, SERI-JS 9X11ODF M12 LESS CABLE | 1 | Ea. | $ 2,239.64 |
| 44 | HTV-000000-0069337 | VALVE REF ELEC EXP, SERI-GS 7X11ODF M12 LESS CABLE | 1 | Ea. | $ 5,219.28 |
| 45 | HEP-000000-0069341 | ELEC EXP VALVE DRIVER TM172 BI-POLAR | 1 | Ea. | $ 547.65 |
| 46 | N063-930018 | ELEC HOT GAS BP VLV SDR-4-1 1/8" (9ODF) 20' | 1 | Ea. | $ 2,675.79 |
| 47 | HTV-000000-0064204 | VALVE DRIVER BOARD | 1 | Ea. | $ 914.38 |
| 48 | HES-000000-0058876 | SWITCH, DOOR INTERLOCK, NO | 1 | Ea. | $ 48.62 |
| 49 | HMA-000000-0058739 | HINGE, DIRAK METAL 4-272 PR01 270DEG | 1 | Ea. | $ 62.08 |
| 50 | N130-VAF-11 | VIBRATION ABSORBER 1-5/8" | 1 | Ea. | $ 436.07 |
| 51 | N130-VAF-10 | VIBRATION ABSORBER 1-3/8" | 1 | Ea. | $ 285.37 |
| 52 | N065-AMQB24-1 | BRIDGE DAMPER ACTUATOR | 1 | Ea. | $ 1,126.70 |

## PDX-90C Spare Parts

| ITEM NO. | PART NUMBER | DESCRIPTION | QTY | UNIT | PRICE |
|---|---|---|---|---|---|
| 1 | HEP-000000-0058684 | CIRCUIT BREAKER MOLDED 3P, 400A, 480V | 1 | Ea. | $ 5,031.72 |
| 2 | N031-GV3P65 | CIRCUIT BREAKER, 48-65AMP 3P, 600VAC | 1 | Ea. | $ 722.99 |
| 3 | N032-LC1D65AG7 | CONTACTOR,TESYS D 3P AC | 1 | Ea. | $ 676.63 |
| 4 | N040-LADN20 | SWITCH,AUX CONT,2NO CONT FRONT SIDE, SCREW CLAMP | 1 | Ea. | $ 50.55 |
| 5 | N040-GVAED101 | AUX CONTACT BLOCK FRONT 1NO 1NO FAULT | 1 | Ea. | $ 77.49 |
| 6 | HTC-000000-0065468 | COMPR. 30 TON R407C BRAZE 400/3/50 & 460/3/60 | 1 | Ea. | $ 17,271.99 |
| 7 | N091-018-0091-08 | CRANKCASE HEATER 150W 480V | 1 | Ea. | $ 109.02 |
| 8 | HES-000000-0069554 | CIRCUIT BREAKER MOTOR PRO 3P 6-10A 690VAC DISCON | 1 | Ea. | $ 248.22 |
| 9 | HEM-000000-0068709 | CONDENSER FAN W/ INTEGR EC MOTOR 800MM 4kW G2 | 1 | Ea. | $ 10,598.67 |
| 10 | HEM-000000-0067427 | GUARD GRILLE SUCTION COND FAN FITS 800mm EC FAN | 1 | Ea. | $ 309.54 |
| 11 | N055-ATV212HD55N4 | VFD, BLOWER MOTOR 75HP | 1 | Ea. | $ 17,840.11 |
| 12 | N056-EM2549T | MOTOR 75HP 460/3/60 3540RPM 364TS | 1 | Ea. | $ 18,411.40 |
| 13 | N093-27012A | BLOWER WHEEL 1-7/8" CCW 27012A | 1 | Ea. | $ 16,676.02 |
| 14 | HEP-000000-0063674 | CIRCUIT BREAKER 5A 2P UL489 D CURVE | 1 | Ea. | $ 170.64 |
| 15 | HEP-000000-0063675 | CIRCUIT BREAKER 10A 2P UL489 D CURVE | 1 | Ea. | $ 152.76 |
| 16 | N041-9070T1000D1 | CONTROL XFRMR 1000VA 480/240 X 120V | 1 | Ea. | $ 809.96 |
| 17 | N062-CB501ULHT | CONDENSATE PUMP BECKETT 115V 50/60Hz CB501ULHTS | 1 | Ea. | $ 1,438.83 |
| 18 | N053-PS5R-SE24 | POWER SUPPLY 24DC 3.75A 90W | 1 | Ea. | $ 225.04 |
| 19 | HEH-000000-0065075 | PROFACE HMI CPU MODULE FOR 5.7" SCREEN | 1 | Ea. | $ 2,562.62 |
| 20 | HEP-000000-0066980 | PCA CONTROLLER TM172PBG42R MODBUS | 1 | Ea. | $ 1,410.62 |
| 21 | HEP-000000-0067670 | ADDITIONAL I/O MODULE TM172E28R | 1 | Ea. | $ 809.55 |
| 22 | N052-TE-701-D-3-C | DUCT TEMP SENSOR 1K OHM RTD 8" | 1 | Ea. | $ 51.08 |
| 23 | N052-TE-704-A-3 | TEMPRATURE SENSOR 1K PLATINUM RTD | 1 | Ea. | $ 48.60 |
| 24 | NR04-1004902708 | CABIN TEMP SENSOR ASSY 1K PLATINUM RTD, WHT/GRN | 1 | Ea. | $ 705.03 |
| 25 | N045-RH1B-ULDC24V | RELAY, 10A, 24VDC, SPDT WITH INDICATOR | 1 | Ea. | $ 27.84 |
| 26 | N045-RY2S-ULDC24V | RELAY, 3A, 24VDC, 2PDT WITH INDICATOR | 1 | Ea. | $ 28.96 |
| 27 | N045-RU4S-C-D24 | RELAY, 5A, 24VDC 4PDT WITH INDICATOR | 1 | Ea. | $ 21.29 |
| 28 | N040-ADPS-03-2-N | HVAC DIFF PRESS SWITCH ADJ 0.20 TO 2.00 IN. W.C. | 1 | Ea. | $ 136.40 |
| 29 | N099-SL-2000-P | DUCT SMOKE DETECTOR PHOTOELECTRIC | 1 | Ea. | $ 880.18 |
| 30 | HEI-000000-0065410 | PRESSURE TRANSMITTER 0-600PSI 0-10VDC | 1 | Ea. | $ 654.19 |
| 31 | HEI-000000-0065407 | PRESSURE TRANSMITTER 0-200PSI 0-10VDC | 1 | Ea. | $ 654.19 |
| 32 | HEI-000000-0065401 | PRESS TRANSMITTER OUTLET 0-5 PSI 0-10VDC | 1 | Ea. | $ 230.40 |
| 33 | N063-P100DA-2C | PRESSURE CONTROL DISC P100DA-2C 0-475 PSIG Man-Res | 1 | Ea. | $ 330.81 |
| 34 | N063-P100CP-201C | PRESSURE SWITCH LOW SUCTION 32 PSI IN 10 PSI | 1 | Ea. | $ 198.66 |
| 35 | N063-404360 | FILTER CORE FOR DRYER SHELL | 1 | Ea. | $ 105.62 |
| 36 | N063-700507 | MOISTURE/LIQUID INDICATOR SA-17S 7/8" ODF | 1 | Ea. | $ 216.29 |
| 37 | N063-3672-00 | SOLENOID VALVE 1 1/8" ODF MQ-11 | 1 | Ea. | $ 687.28 |
| 38 | N063-3596-00 | SOLENOID VALVE ME 19S270 7/8" ODF | 1 | Ea. | $ 1,621.93 |
| 39 | N063-311424 | SOLENOID VALVE COIL 120V .26AMPS | 1 | Ea. | $ 221.39 |
| 40 | HTV-000000-0069335 | VALVE REF ELEC EXP, SERI-KS 9X11ODF M12LESS CABLE | 1 | Ea. | $ 2,846.32 |

| ITEM NO. | PART NUMBER | DESCRIPTION | QTY | UNIT | PRICE |
|---|---|---|---|---|---|
| 41 | HTV-000000-0069336 | VALVE REF ELEC EXP, SERI-JS 9X11ODF M12 LESS CABLE | 1 | Ea. | $ 2,239.64 |
| 42 | HEP-000000-0069341 | ELEC EXP VALVE DRIVER TM172 BI-POLAR | 1 | Ea. | $ 547.65 |
| 43 | N063-930018 | ELEC HOT GAS BP VLV SDR-4-1 1/8" (9ODF) 20' | 1 | Ea. | $ 2,675.79 |
| 44 | HTV-000000-0064204 | VALVE DRIVER BOARD | 1 | Ea. | $ 914.38 |
| 45 | HES-000000-0058876 | SWITCH, DOOR INTERLOCK, NO | 1 | Ea. | $ 48.62 |
| 46 | HMA-000000-0058739 | HINGE, DIRAK METAL 4-272 PR01 270DEG | 1 | Ea. | $ 62.08 |
| 47 | N065-AMQB24-1 | BRIDGE DAMPER ACTUATOR | 1 | Ea. | $ 1,126.70 |
| 48 | N040-S1A | SWITCH, AUXILIARY,1X SPDT 3A, 250VAC | 1 | Ea. | $ 175.92 |

**APPENDIX C – SPARE PARTS PRICE LIST**
Motor Generator Units

Motor Generators 312KVA RVA64-250 Spare Parts. 2026

| ITEM NO. | PART NUMBER | DESCRIPTION | QTY | UNIT | PRICE |
|---|---|---|---|---|---|
| 1 | HSM5-T07G0-W0C00K | RH PHILLIPS 8-32X1/2" SS 316 | 1 | Ea. | $ 0.73 |
| 2 | HTM5-T00G0-W0F200 | ALL THREAD ROD 1/4"-20 SS 316 | 1 | Ea. | $ 14.55 |
| 3 | HWM5-T10G0-W0C000 | FLAT WASHER, 8-32 SS 316 | 1 | Ea. | $ 0.19 |
| 4 | N031-EOP4MT07 | CIRCUIT BREAKER MOTOR OPERATOR 120V | 1 | Ea. | $ 13,407.11 |
| 5 | N031-EOP6T08K | CIRCUIT BREAKER, FOR MOTOR OPERATOR, MG | 1 | Ea. | $ 20,086.05 |
| 6 | N031-LXD63B500 | CIRCUIT BREAKER,500A | 1 | Ea. | $ 13,165.75 |
| 7 | N031-TC2J6500 | CIRCUIT BREAKER ACCS LUGS FOR MG | 1 | Ea. | $ 1,010.94 |
| 8 | N32-3RT1015-1AK62 | CONTACTOR, 230VAC 50-60HZ 1NC 3P, SIEMENS | 1 | Ea. | $ 342.78 |
| 9 | N032-YC1N-300A120 | CONTACTOR 3P IDEC 120VAC AC COIL 300A YC1N SERIES | 1 | Ea. | $ 3,373.02 |
| 10 | N034-AYD310N-R | E-STOP PB PUSH-PULL 1NO 30MM MUSHROOM - RED | 1 | Ea. | $ 119.20 |
| 11 | N034-BST-010 | PUSHBUTTON, CONTACT BLOCK 30MM 1NO TWTD SER | 1 | Ea. | $ 22.15 |
| 12 | N035-20001 | 60HZ W/SCREW 108-132VAC ELAPSED TIME METER | 1 | Ea. | $ 772.62 |
| 13 | N036-7132K558 | HEAT SHRINK TUBING-BROWN 3/4" BEFORE 3/8" AFTER | 1 | Ea. | $ 3.14 |
| 14 | N036-7132K559 | HEAT SHRINK TUBING-YELLOW 1" BEFORE 1/2" AFTER | 1 | Ea. | $ 4.68 |
| 15 | N036-7132K560 | HEAT SHRINK TUBING-ORANGE 3/4" BEFORE 3/8" AFTER | 1 | Ea. | $ 3.32 |
| 16 | N036-7950K66 | WIRE FERRULES POLY INSUL YELLOW 2/0 600V | 1 | Ea. | $ 20.73 |
| 17 | N036-7950K68 | WIRE FERRULES POLY INSULA BLUE 4/0 600V | 1 | Ea. | $ 25.31 |
| 18 | N036-8M-1401-01 | WHITE-14-1C TNC SIL RBR GLS BRD JKT,600V 150C | 1 | Ea. | $ 3.15 |
| 19 | N036-8M-1401-02 | BLACK-14-1C TNC SIL RBR GLS BRD JKT,600V 150C | 1 | Ea. | $ 3.15 |
| 20 | N036-8M-1401-04 | GREEN-14-1C TNC SIL RBR GLS BRD JKT,600V 150C | 1 | Ea. | $ 2.53 |
| 21 | N037-0442011 | GND TERM BLOCK 61A 8AWG GREEN YELLOW | 1 | Ea. | $ 55.16 |
| 22 | N037-1201442 | END CLAMP E/UK | 1 | Ea. | $ 1.92 |
| 23 | N037-13-1610 | BARRIER STRIP 30A-10-22AWG-10 POLE | 1 | Ea. | $ 58.23 |
| 24 | N037-3030271 | JUMPER PLUG IN BRIDGE RED FBS 10-6 NO. OF POS. 10 | 1 | Ea. | $ 21.35 |
| 25 | N037-3044102 | TERMINAL BLOCK UT 4 | 1 | Ea. | $ 4.80 |
| 26 | N037-3047167 | PHOENIX PARTITION PLATE ATP-UT | 1 | Ea. | $ 3.10 |
| 27 | N037-PDBU-49-500-1 | POWER DISTRIBUTION BLOCK ALU 6061-T6,10KA 600V | 1 | Ea. | $ 765.16 |
| 28 | N040-A02JLD64 | SWITCH,480VAC 2AUX ACCES JD/LD/LMD CIRCUIT BREAKER | 1 | Ea. | $ 4,622.00 |
| 29 | N040-A4X6RPK | SWITCH, AUXILIARY W/PIGTAIL LEAD 4A/4B CONT | 1 | Ea. | $ 5,129.42 |
| 30 | HES-000000-0068433 | 30MM SEL SW 2 POS LEVER 2NO | 1 | Ea. | $ 181.64 |
| 31 | N041-9070TF1000D31 | CONTROL TRANSFORMER 1KVA 240/480V-120/240V | 1 | Ea. | $ 6,427.43 |
| 32 | N041-CM21088 | 375VA,575 DELTA,400HZ 3PH 200Y/115,6X5.5x3.5" 8LBS | 1 | Ea. | $ 2,490.95 |
| 33 | HEA-000000-0065347 | RELAY, SOLID STATE RELAY 5-24VDC/240VAC 25A | 1 | Ea. | $ 339.91 |
| 34 | HEA-000000-0065349 | RELAY 10A 110-120VAC 2PDT WITH INDICATOR | 1 | Ea. | $ 45.14 |
| 35 | N045-RH2B-ULDC24V | RELAY, 10A, 24VDC, 2PDT WITH INDICATOR | 1 | Ea. | $ 21.21 |

| ITEM NO. | PART NUMBER | DESCRIPTION | QTY | UNIT | PRICE |
|---|---|---|---|---|---|
| 36 | N045-RH4B-ULDC24V | RELAY, 10A, 24VDC, 4PDT WITH INDICATOR | 1 | Ea. | $ 100.29 |
| 37 | N045-RTE-P1AD24 | RELAY,TIME DELAY DPDT 10A 24VACDC 8PIN | 1 | Ea. | $ 197.86 |
| 38 | N045-SH2B-05 | RELAY BASE FOR RH2B 10A, DPDT | 1 | Ea. | $ 9.40 |
| 39 | N045-SH4B-05 | RELAY BASE FOR RH4B 10A, 4PDT | 1 | Ea. | $ 31.55 |
| 40 | N045-SR2P-06 | RELAY/TIMER SOCKET 8 PIN DIN RAIL MTD | 1 | Ea. | $ 31.79 |
| 41 | N046-30313R | FUSE HOLDER, THREE PHASE 30A 600V SCREW TERM | 1 | Ea. | $ 74.34 |
| 42 | N046-FNQ-R-2 | TIME DELAY FUSE, 2A 600VAC | 1 | Ea. | $ 192.33 |
| 43 | N046-KLDR002.T | FUSE, TIME DELAY, 2A, 600VAC, 13/32X1-1/2" | 1 | Ea. | $ 62.68 |
| 44 | HWM4-T13G0-W0C000 | EXTERNAL STAR WASHER #8 SS 304 | 1 | Ea. | $ 0.11 |
| 45 | HES-000000-0064213 | PUSHBUTTON, ILLUMINATED AMBER ALFD29911DN-A-24V | 1 | Ea. | $ 214.23 |
| 46 | HES-000000-0065254 | PB LED GRN,24V TWTD 30MM MOMENTARY ACTION, 1NO-1NC | 1 | Ea. | $ 328.72 |
| 47 | HES-000000-0065255 | PB LED RED,24V TWTD 30MM MOMENTARY ACTION, 1NO-1NC | 1 | Ea. | $ 219.72 |
| 48 | N035-M850MP1NFCPERTV | MULTITEK M850 POWER METER W/RS485 AND PANEL GASKET | 1 | Ea. | $ 1,368.30 |
| 49 | N042-1023 | LINE REACTOR 3PH 140KVA 50HZ 184A 356uH | 1 | Ea. | $ 8,015.93 |
| 50 | N047-1005069110 | CT BUFFER, MOD01 PCB ASSEMBLY BOARD | 1 | Ea. | $ 1,353.27 |
| 51 | N047-1005074310 | MG DRIVER MOD01 PCB ASSY BOARD | 1 | Ea. | $ 703.05 |
| 52 | N047-1005078510 | MG INTERFACE,REV.C MOD01 PCB ASSEMBLY BOARD | 1 | Ea. | $ 459.30 |
| 53 | N0001-PC050850-000 | MULTI USE PROTECTION A1 T&C | 1 | Ea. | $ 2,288.94 |
| 54 | N0001-PC052870-000 | MG CONTROL 4 T&C | 1 | Ea. | $ 2,004.49 |
| 55 | N0001-PC052881-000 | MG REGULATOR 3 T&C | 1 | Ea. | $ 2,782.68 |
| 56 | N052-D-1000-01-T | CURRENT TRANSFORMER 1000:1 50/60-400HZ 1.5"ID | 1 | Ea. | $ 94.78 |
| 57 | N052-D-800-00-T | CURRENT TRANSFORMER 800:5A 50/60-400HZ, 1.5ID | 1 | Ea. | $ 93.01 |
| 58 | N053-U24Y1000 | POWER SUPPLY, ACOPIAN 10 AMPS 24 VDC OUTPUT | 1 | Ea. | $ 2,089.90 |
| 59 | N054-9001KN100BP | BLANK LEGEND PLATE, BLK 2 1/4"WX 2 1/4"H, PLASTIC | 1 | Ea. | $ 21.11 |
| 60 | HEX-000000-0062422 | 12 POLE FEMALE CONNECTOR | 1 | Ea. | $ 10.34 |
| 61 | N068-CW0057R500JB12 | RESISTOR, BURDEN 7.5 OHMS 5W, 5% | 1 | Ea. | $ 10.96 |
| 62 | N071-8349T12 | PLASTIC PVC TUBING,1/16ID 1/8"OD, 1/32" WALL THICK | 1 | Ea. | $ 2.35 |
| 63 | N088-1960 | BRASS THREADED STANDOFF 8-32 MALE/FEMALE 1" | 1 | Ea. | $ 41.05 |
| 64 | N088-4834 | NYLON THREADED STANDOFF 8-32 MALE/FEMALE 1" | 1 | Ea. | $ 2.96 |
| 65 | N088-STAOFF4150A4 | RED FIBER GLASS STANDOFF 3/8-16"X3/8"3/4"D 1-1/2"H | 1 | Ea. | $ 45.85 |
| 66 | N090-PB2-300 | ILSCO 300MCM ALCU 2COND GROUND LUG | 1 | Ea. | $ 87.22 |
| 67 | N097-1N4937 | 1A RECTIFIER FAST RECOVERY DIODE | 1 | Ea. | $ 0.89 |
| 68 | N097-SB360 | DIODE, SCHOTTKY, 60V, 3A BARRIER RECTIFIER | 1 | Ea. | $ 2.07 |
| 69 | N103-1015BC-12/65-0 | CABLE MTW AWM1015 B-CU 1C #12 65ST BLK | 1 | Ea. | $ 1.26 |
| 70 | N103-1015BC-12/65-9 | CABLE MTW AWM1015 B-CU 1C #12 65ST WHT | 1 | Ea. | $ 1.26 |
| 71 | N103-1015BC-14/41-0 | CABLE MTW AWM1015 B-CU 1C #14 41ST BLK | 1 | Ea. | $ 0.55 |
| 72 | N103-1015BC-14/41-2 | CABLE MTW AWM1015 B-CU 1C #14 41ST RED | 1 | Ea. | $ 0.82 |
| 73 | N103-1015BC-14/41-9 | CABLE MTW AWM1015 B-CU 1C #14 41ST WHT | 1 | Ea. | $ 0.82 |
| 74 | N103-8MB-2021 | #2/0 POWER CABLE SIL RUB 150C 600V UL LISTED | 1 | Ea. | $ 56.19 |

| ITEM NO. | PART NUMBER | DESCRIPTION | QTY | UNIT | PRICE |
|---|---|---|---|---|---|
| 75 | N103-8MB-4041 | #4/0 POWER CABLE SIL RUB 150C 600V UL LISTED | 1 | Ea. | $ 55.95 |
| 76 | N104-RA863 | RED RING TERMINAL, #8, CRIMP,#22-16AWG | 1 | Ea. | $ 2.32 |
| 77 | N104-RB1113 | FORK TERMINAL, BLUE #6, 18-14AWG, INSULATED | 1 | Ea. | $ 3.11 |
| 78 | NMEA0-002144-0C0 | COPPER BAR 2"X144"X1/4" | 1 | Ea. | $ 85.81 |

**APPENDIX C – SPARE PARTS PRICE LIST**
Gate Box Units

**90KVA Gatebox Unit ASC51-90L**

| ITEM NO. | PART NUMBER | DESCRIPTION | QTY | UNIT | PRICE |
|---|---|---|---|---|---|
| 1 | N031-HGL36150SO | CIRCUIT BREAKER 150A MOLDED CASE | 1 | Ea. | $ 3,826.11 |
| 2 | N032-CT350E-120E1 | CONTACTOR, DC COIL 350A 3P 600VAC 400HZ | 1 | Ea. | $ 517.23 |
| 3 | N033-APD199DN-A-24V | ILLUM LED AMBER LENS 24VDC | 1 | Ea. | $ 202.00 |
| 4 | HES-000000-0065254 | PB LED GRN,24V TWTD 30MM MOMENTARY ACTION, 1NO-1NC | 1 | Ea. | $ 328.72 |
| 5 | HES-000000-0065255 | PB LED RED,24V TWTD 30MM MOMENTARY ACTION, 1NO-1NC | 1 | Ea. | $ 219.72 |
| 6 | N036-1213-18/19-5 | GREEN-18AWG TEFLON WIRE SIL PLATED, 600V(UL) | 1 | Ea. | $ 0.25 |
| 7 | N036-1213-18/19-9 | WHITE-18AWG TEFLON WIRE SIL PLATED, 600V(UL) | 1 | Ea. | $ 2.77 |
| 8 | N036-0800383 | WIRE MARKING SLEEVES, WMS 2,4(60X4)RL,GRN SMALL | 1 | Ea. | $ 2,294.32 |
| 9 | N036-8M1401-2 | 14 AWG Wire, SRG 600V Black | 1 | Ea. | $ 68.41 |
| 10 | HEC-000000-0065276 | RED&WHT TWISTED PAIR WIRE SIL PLATED,TEFLON #18AWG | 1 | Ea. | $ 9.54 |
| 11 | N037-1201442 | END CLAMP E/UK | 1 | Ea. | $ 1.92 |
| 12 | N037-1431563 | POWER STUD BLOCK 1P 600V 230A, 3/8 NYLON NUT | 1 | Ea. | $ 655.98 |
| 13 | N037-1433563 | POWER STUD BLOCK 3P 600V 230A, 3/8 NYLON NUT | 1 | Ea. | $ 661.62 |
| 14 | N037-1492-CD3 | TERMINAL BLOCK | 1 | Ea. | $ 8.20 |
| 15 | N037-1492-N1 | MOUNTING RAIL TERMINAL BLOCK 3ft | 1 | Ea. | $ 38.13 |
| 16 | N037-1492-N16 | END BARRIER TERMINAL BLOCK | 1 | Ea. | $ 3.79 |
| 17 | N037-1492-N23 | END ANCHOR, TERMINAL BLOCK | 1 | Ea. | $ 10.89 |
| 18 | N037-16303-3 | PWR DIST BLOCK 310A 600V 350kcmil-#6 CU-AL 3 POLE | 1 | Ea. | $ 574.02 |
| 19 | N037-3044102 | TERMINAL BLOCK UT 4 | 1 | Ea. | $ 4.80 |
| 20 | N037-3047167 | PHOENIX PARTITION PLATE ATP-UT | 1 | Ea. | $ 3.10 |
| 21 | N037-801733 | PERFORATED DIN RAIL NS 35/7.5 | 1 | Ea. | $ 29.71 |
| 22 | N043-86E80506K80 | CAPACITOR, 50mF (MICRO) 10% OIL FILLED | 1 | Ea. | $ 371.46 |
| 23 | N044-MC32681 | AC/DC FINGER GUARD FOR 172mm AXIAL FANS | 1 | Ea. | $ 9.11 |
| 24 | N044-W2E143-AB15-01 | EXHAUST AC FAN 115VAC 115VAC 294 CFM 60HZ | 1 | Ea. | $ 776.07 |
| 25 | N045-700-HA32Z24 | RELAY, 24VDC COIL VOLTAGE DPDT 2P 10A | 1 | Ea. | $ 133.59 |
| 26 | N045-700-NH125 | RELAY SOCKET, FOR 700-HA32Z24 | 1 | Ea. | $ 55.63 |
| 27 | N045-RY2S-ULDC24V | RELAY, 3A, 24VDC, 2PDT WITH INDICATOR | 1 | Ea. | $ 28.96 |
| 28 | N045-SY2S-05 | RELAY BASE FOR RY2S 3A, 2PDT | 1 | Ea. | $ 14.20 |
| 29 | N046-30321 | FUSE BLOCK, 1P MIDGET 30A 600V | 1 | Ea. | $ 33.38 |
| 30 | N046-FLQ-5 | FUSE, TIME DELAY 5A 500VAC | 1 | Ea. | $ 52.57 |
| 31 | N0001-PC050850-000 | MULTI USE PROTECTION A1 T&C | 1 | Ea. | $ 2,288.94 |
| 32 | N0001-PC050870-000 | FI BOARD, FAN INVERTER PCB T&C | 1 | Ea. | $ 6,380.70 |
| 33 | N047-1005128410B | PWA CONTACTOR ADAPTER PCB ASSEMBLY | 1 | Ea. | $ 414.20 |
| 34 | N049-AL2DR | 3 POINT DOOR LATCH KEY CW A 60/72" | 1 | Ea. | $ 1,250.75 |
| 35 | N052-ATEMN0 | THERMOSTAT, NORMALLY OPEN 32-140F, HOFFMAN | 1 | Ea. | $ 489.81 |

| ITEM NO. | PART NUMBER | DESCRIPTION | QTY | UNIT | PRICE |
|---|---|---|---|---|---|
| 36 | N052-D-1000-01-T | CURRENT TRANSFORMER 1000:1 50/60-400HZ 1.5"ID | 1 | Ea. | $ 94.78 |
| 37 | N053-HD24-4.8-A | POWER SUPPLY 24VDC REGULATED 4.8A | 1 | Ea. | $ 1,522.50 |
| 38 | N054-9001KN100BP | BLANK LEGEND PLATE, BLK 2 1/4"WX 2 1/4"H, PLASTIC | 1 | Ea. | $ 21.11 |
| 39 | N059-AFLT812 | FILTER, LOUVER KIT | 1 | Ea. | $ 373.39 |
| 40 | N059-AVK812 | STEEL LOUVER KIT 12L X 8.00IN | 1 | Ea. | $ 414.30 |
| 41 | N067-AEXGR275 | EXHAUST GRILL AND FILTER KIT | 1 | Ea. | $ 854.97 |
| 42 | N068-CW00510R00JB12 | RESISTOR, BURDEN 10 OHMS 5W, 5% | 1 | Ea. | $ 4.98 |
| 43 | N086-ADP2 | HOFFMAN DOOR PACKET | 1 | Ea. | $ 223.82 |
| 44 | N088-STAOFF4150A4 | RED FIBER GLASS STANDOFF 3/8-16"X3/8"3/4"D 1-1/2"H | 1 | Ea. | $ 45.85 |
| 45 | N090-T3A4-3/0N | GROUNDING LUG | 1 | Ea. | $ 125.26 |

**140KVA Gatebox Unit ASC52-140L**

| ITEM NO. | PART NUMBER | DESCRIPTION | QTY | UNIT | PRICE |
|---|---|---|---|---|---|
| 1 | HWM4-T13G0-W0C000 | EXTERNAL STAR WASHER #8 SS 304 | 1 | Ea. | $ 0.11 |
| 2 | N031-9421LR4 | OPERATING MECHANISM LAL LHL 6" HANDLE LONG SHAFT | 1 | Ea. | $ 1,135.03 |
| 3 | N031-JGL36175SO | CIRCUIT BREAKER, 175A,3P MOLDED CASE | 1 | Ea. | $ 11,079.83 |
| 4 | N032-CT350E-120E1 | CONTACTOR, DC COIL 350A 3P 600VAC 400HZ | 1 | Ea. | $ 517.23 |
| 5 | N033-APD199DN-A-24V | ILLUM LED AMBER LENS 24VDC | 1 | Ea. | $ 202.00 |
| 6 | HES-000000-0065254 | PB LED GRN,24V TWTD 30MM MOMENTARY ACTION, 1NO-1NC | 1 | Ea. | $ 328.72 |
| 7 | HES-000000-0065255 | PB LED RED,24V TWTD 30MM MOMENTARY ACTION, 1NO-1NC | 1 | Ea. | $ 219.72 |
| 8 | N036-1213-18/19-5 | GREEN-18AWG TEFLON WIRE SIL PLATED, 600V(UL) | 1 | Ea. | $ 0.27 |
| 9 | N036-1213-18/19-9 | WHITE-18AWG TEFLON WIRE SIL PLATED, 600V(UL) | 1 | Ea. | $ 2.77 |
| 10 | N036-8489 | 18AWG, 4 CONDUCTOR CABLE UNSHIELDED | 1 | Ea. | $ 9.42 |
| 11 | N036-8M-1401-02 | BLACK-14-1C TNC SIL RBR GLS BRD JKT,600V 150C | 1 | Ea. | $ 3.15 |
| 12 | N036-8M-1401-04 | GREEN-14-1C TNC SIL RBR GLS BRD JKT,600V 150C | 1 | Ea. | $ 2.53 |
| 13 | HEC-000000-0065275 | BLK&WHT TWISTED PAIR WIRE SIL PLATED,TEFLON #18AWG | 1 | Ea. | $ 4.80 |
| 14 | HEC-000000-0065276 | RED&WHT TWISTED PAIR WIRE SIL PLATED,TEFLON #18AWG | 1 | Ea. | $ 9.54 |
| 15 | N036-PSID-111-125 | WIRE MARKING SLEEVES,HEAT SHRINK WHITE POLYOLEFIN | 1 | Ea. | $ 789.95 |
| 16 | N037-1201442 | END CLAMP E/UK | 1 | Ea. | $ 1.92 |
| 17 | N037-1431563 | POWER STUD BLOCK 1P 600V 230A, 3/8 NYLON NUT | 1 | Ea. | $ 655.98 |
| 18 | N037-1433563 | POWER STUD BLOCK 3P 600V 230A, 3/8 NYLON NUT | 1 | Ea. | $ 661.62 |
| 19 | N037-1492-CD3 | TERMINAL BLOCK | 1 | Ea. | $ 8.20 |
| 20 | N037-1492-N1 | MOUNTING RAIL TERMINAL BLOCK 3ft | 1 | Ea. | $ 38.13 |
| 21 | N037-1492-N16 | END BARRIER TERMINAL BLOCK | 1 | Ea. | $ 3.79 |
| 22 | N037-1492-N23 | END ANCHOR, TERMINAL BLOCK | 1 | Ea. | $ 10.89 |
| 23 | N037-16303-3 | PWR DIST BLOCK 310A 600V 350kcmil-#6 CU-AL 3 POLE | 1 | Ea. | $ 574.02 |
| 24 | N037-3030271 | JUMPER PLUG IN BRIDGE RED FBS 10-6 NO. OF POS. 10 | 1 | Ea. | $ 21.35 |
| 25 | N037-3044102 | TERMINAL BLOCK UT 4 | 1 | Ea. | $ 4.80 |
| 26 | N037-3047167 | PHOENIX PARTITION PLATE ATP-UT | 1 | Ea. | $ 3.10 |
| 27 | N037-801733 | PERFORATED DIN RAIL NS 35/7.5 | 1 | Ea. | $ 29.71 |
| 28 | N043-86E80506K80 | CAPACITOR, 50mF (MICRO) 10% OIL FILLED | 1 | Ea. | $ 371.46 |
| 29 | N044-MC32681 | AC/DC FINGER GUARD FOR 172mm AXIAL FANS | 1 | Ea. | $ 9.11 |
| 30 | N044-W2E143-AB15-01 | EXHAUST AC FAN 115VAC 115VAC 294 CFM 60HZ | 1 | Ea. | $ 776.07 |
| 31 | N045-700-HA32Z24 | RELAY, 24VDC COIL VOLTAGE DPDT 2P 10A | 1 | Ea. | $ 133.59 |
| 32 | N045-700-NH125 | RELAY SOCKET, FOR 700-HA32Z24 | 1 | Ea. | $ 55.63 |
| 33 | N046-30321 | FUSE BLOCK, 1P MIDGET 30A 600V | 1 | Ea. | $ 33.38 |
| 34 | N046-FLQ-5 | FUSE, TIME DELAY 5A 500VAC | 1 | Ea. | $ 52.57 |
| 35 | N059-AFLT812 | FILTER, LOUVER KIT | 1 | Ea. | $ 373.39 |
| 36 | N059-AVK812 | STEEL LOUVER KIT 12L X 8.00IN | 1 | Ea. | $ 414.30 |

| ITEM NO. | PART NUMBER | DESCRIPTION | QTY | UNIT | PRICE |
|---|---|---|---|---|---|
| 37 | N067-AEXGR275 | EXHAUST GRILL AND FILTER KIT | 1 | Ea. | $ 854.97 |
| 38 | N086-ADP2 | HOFFMAN DOOR PACKET | 1 | Ea. | $ 223.82 |
| 39 | N088-STAOFF4150A4 | RED FIBER GLASS STANDOFF 3/8-16"X3/8"3/4"D 1-1/2"H | 1 | Ea. | $ 45.85 |
| 40 | N090-T3A4-3/0N | GROUNDING LUG | 1 | Ea. | $ 125.26 |
| 41 | N091-DAH4001B | ELECTRIC HEATER 400W 115V 0-100 DEG F | 1 | Ea. | $ 2,855.93 |
| 42 | N103-8MB-0801 | CABLE AWM3212 150°C T-CU 1C #8 133ST BLK | 1 | Ea. | $ 5.34 |
| 43 | N103-8MB-1011 | CABLE AWM3212 150°C T-CU 1C 1/0 259ST BLK | 1 | Ea. | $ 29.61 |
| 44 | N103-8MB-2021 | #2/0 POWER CABLE SIL RUB 150C 600V UL LISTED | 1 | Ea. | $ 56.19 |
| 45 | N103-8MB-4041 | #4/0 POWER CABLE SIL RUB 150C 600V UL LISTED | 1 | Ea. | $ 55.95 |
| 46 | N032-LC1D115G7 | IEC CONTACTOR 115A 3P 120 VAC 50/60 HZ | 1 | Ea. | $ 2,474.60 |
| 47 | N041-1071 | LDC 3 PHASE 66.4V-220V 19.5KVA | 1 | Ea. | $ 11,154.49 |
| 48 | N041-1101B | GB XFRMR 575V TO 204/118V DELTA TO WYE 400HZ 90KVA | 1 | Ea. | $ 26,328.41 |
| 49 | N091-DAH4001B | ELECTRIC HEATER 400W 115V 0-100 DEG F | 1 | Ea. | $ 2,855.93 |
| 50 | N098-A603620LP | ENCLOSURE 60X36X20 STEEL SINGLE DOOR TYPE-12 | 1 | Ea. | $ 8,453.17 |
| 51 | N098-A60P36 | PANEL 57X33" 12G PAINTED STEEL TYPE 3R,4,4X,12,13 | 1 | Ea. | $ 1,929.63 |
| 52 | N101-9421LP4 | HANDLE KIT FOR KAL KCL KHL CKT (COMPLETE KIT) | 1 | Ea. | $ 630.78 |
| 53 | N103-8MB-0801 | CABLE AWM3212 150°C T-CU 1C #8 133ST BLK | 1 | Ea. | $ 5.34 |
| 54 | N103-8MB-1011 | CABLE AWM3212 150°C T-CU 1C 1/0 259ST BLK | 1 | Ea. | $ 29.61 |
| 55 | N103-8MB-2021 | #2/0 POWER CABLE SIL RUB 150C 600V UL LISTED | 1 | Ea. | $ 56.19 |
| 56 | N104-RA863 | RED RING TERMINAL, #8, CRIMP,#22-16AWG | 1 | Ea. | $ 2.32 |
| 57 | N128-4411S-335-400 | CR SPLIT CORE CURRENT TRANSDUCER 0-10 VDC OUT | 1 | Ea. | $ 1,419.16 |
| 58 | N128-CR4511-210-400 | CR MAG TRUE RMS VOLTAGE TRANSDUCER 0-10VDC OUTPUT | 1 | Ea. | $ 6,263.14 |
| 59 | NR01-10052891 | COPPER BUSS BAR 1X10X.125FOR OIL FILLED CAPACITORS | 1 | Ea. | $ 235.71 |
| 60 | N037-6-141 | TERMINAL BLOCK, BARRIER 6P, 0.438 | 1 | Ea. | $ 43.00 |
| 61 | N037-MS-6-141 | MARKING STRIP FOR TERMINAL BLOCL:P/N 6-141 | 1 | Ea. | $ 7.19 |
| 62 | N041-1071 | LDC 3 PHASE 66.4V-220V 19.5KVA | 1 | Ea. | $ 7,808.14 |
| 63 | N041-1101B | GB XFRMR 575V TO 204/118V DELTA TO WYE 400HZ 90KVA | 1 | Ea. | $ 18,429.89 |
| 64 | N0001-PC050850-000 | MULTI USE PROTECTION A1 T&C | 1 | Ea. | $ 2,288.94 |
| 65 | N0001-PC050870-000 | FI BOARD, FAN INVERTER PCB T&C | 1 | Ea. | $ 6,380.70 |
| 66 | N047-1005128410B | PWA CONTACTOR ADAPTER PCB ASSEMBLY | 1 | Ea. | $ 414.20 |
| 67 | N0001-PC052947-000 | 6 STAGE DUAL PLUG MONITOR T&C | 1 | Ea. | $ 3,101.95 |
| 68 | N049-AL2DCCW | 3 POINT DOOR LATCH KEY CCW A 60/72" | 1 | Ea. | $ 1,354.19 |
| 69 | N052-D-1000-01-T | CURRENT TRANSFORMER 1000:1 50/60-400HZ 1.5"ID | 1 | Ea. | $ 94.78 |
| 70 | N053-HD24-4.8-A | POWER SUPPLY 24VDC REGULATED 4.8A | 1 | Ea. | $ 1,522.50 |
| 71 | N054-9001KN100BP | BLANK LEGEND PLATE, BLK 2 1/4"WX 2 1/4"H, PLASTIC | 1 | Ea. | $ 21.11 |
| 72 | HEX-000000-0062422 | 12 POLE FEMALE CONNECTOR | 1 | Ea. | $ 10.34 |
| 73 | N068-CW00510R00JB12 | RESISTOR, BURDEN 10 OHMS 5W, 5% | 1 | Ea. | $ 4.98 |
| 74 | N071-8349T12 | PLASTIC PVC TUBING,1/16ID 1/8"OD, 1/32" WALL THICK | 1 | Ea. | $ 2.35 |
| 75 | N088-1960 | BRASS THREADED STANDOFF 8-32 MALE/FEMALE 1" | 1 | Ea. | $ 41.05 |

| ITEM NO. | PART NUMBER | DESCRIPTION | QTY | UNIT | PRICE |
|---|---|---|---|---|---|
| 76 | N088-4834 | NYLON THREADED STANDOFF 8-32 MALE/FEMALE 1" | 1 | Ea. | $ 2.96 |
| 77 | N098-A604820LP | ENCLOSURE 60X48X20" STEEL 2 DOOR FLOOR MNT TYPE-12 | 1 | Ea. | $ 19,184.38 |
| 78 | N098-A60P48 | PANEL, 56X44" 10G S WHT PAINT, TYPE 3R,4,4X,12,13 | 1 | Ea. | $ 2,529.14 |
| 79 | N104-RA863 | RED RING TERMINAL, #8, CRIMP,#22-16AWG | 1 | Ea. | $ 2.32 |
| 80 | N140-400HZ-CT-5 | CURRENT TRANSFORMER KIT W/5 OHM BURDEN RESISTORS | 1 | Ea. | $ 550.80 |
| 81 | HES-000000-0064213 | PUSHBUTTON, ILLUMINATED AMBER ALFD29911DN-A-24V | 1 | Ea. | $ 214.23 |
| 82 | N140-HD24-4.8-CT-KIT | POWER SUPPLY KIT 24VDC 4.8A W/COATING | 1 | Ea. | $ 3,358.93 |
| 83 | N145-1005085010-KIT | MULTI USE PROTECTION REV.E A1 BOARD KIT | 1 | Ea. | $ 2,765.16 |
| 84 | N145-1005087010-KIT | FI BOARD, FAN INVERTER KIT | 1 | Ea. | $ 6,753.48 |
| 85 | N145-1005294710-KIT | 6 STAGE DUAL PLUG MONITOR A8 BOARD KIT | 1 | Ea. | $ 3,474.72 |
| 86 | NR01-1005198300 | CONTACTOR ASSEMBLY + NEUTRAL TERMINAL BLOCK | 1 | Ea. | $ 2,806.00 |
| 87 | NR01-10052891 | COPPER BUSS BAR 1X10X.125FOR OIL FILLED CAPACITORS | 1 | Ea. | $ 235.71 |
| 88 | NR01-PT056465 | ENCLOSURE BOX, GATE BOX, 180KVA | 1 | Ea. | $ 37,184.29 |
| 89 | NR18-1004973820 | PB STATION 400HZ DUAL OUTPUT W/ RAISE/LOWER SELECT | 1 | Ea. | $ 706.44 |

## 180KVA Gatebox Unit ASC52-180L Spare Parts

| ITEM NO. | PART NUMBER | DESCRIPTION | QTY | UNIT | PRICE |
|---|---|---|---|---|---|
| 1 | HWM4-T13G0-W0C000 | EXTERNAL STAR WASHER #8 SS 304 | 1 | Ea. | $ 0.11 |
| 2 | N031-9421LR4 | OPERATING MECHANISM LAL LHL 6" HANDLE LONG SHAFT | 1 | Ea. | $ 1,135.03 |
| 3 | N031-LAL363001027 | THERMAG CKT BRK 3P 300A 600VAC W/ 24V SHUNT TRIP | 1 | Ea. | $ 22,804.96 |
| 4 | N032-CT350E-120E1 | CONTACTOR, DC COIL 350A 3P 600VAC 400HZ | 1 | Ea. | $ 517.23 |
| 5 | N033-APD199DN-A-24V | ILLUM LED AMBER LENS 24VDC | 1 | Ea. | $ 202.00 |
| 6 | HES-000000-0065254 | PB LED GRN,24V TWTD 30MM MOMENTARY ACTION, 1NO-1NC | 1 | Ea. | $ 328.72 |
| 7 | HES-000000-0065255 | PB LED RED,24V TWTD 30MM MOMENTARY ACTION, 1NO-1NC | 1 | Ea. | $ 219.72 |
| 8 | N036-1213-18/19-5 | GREEN-18AWG TEFLON WIRE SIL PLATED, 600V(UL) | 1 | Ea. | $ 0.25 |
| 9 | N036-1213-18/19-9 | WHITE-18AWG TEFLON WIRE SIL PLATED, 600V(UL) | 1 | Ea. | $ 2.77 |
| 10 | N036-8489 | 18AWG, 4 CONDUCTOR CABLE UNSHIELDED | 1 | Ea. | $ 9.42 |
| 11 | N036-8M-1401-02 | BLACK-14-1C TNC SIL RBR GLS BRD JKT,600V 150C | 1 | Ea. | $ 2.86 |
| 12 | N036-8M-1401-04 | GREEN-14-1C TNC SIL RBR GLS BRD JKT,600V 150C | 1 | Ea. | $ 2.30 |
| 13 | HEC-000000-0065275 | BLK&WHT TWISTED PAIR WIRE SIL PLATED,TEFLON #18AWG | 1 | Ea. | $ 4.80 |
| 14 | HEC-000000-0065276 | RED&WHT TWISTED PAIR WIRE SIL PLATED,TEFLON #18AWG | 1 | Ea. | $ 9.54 |
| 15 | N036-PSID-111-125 | WIRE MARKING SLEEVES,HEAT SHRINK WHITE POLYOLEFIN | 1 | Ea. | $ 789.95 |
| 16 | N037-1201442 | END CLAMP E/UK | 1 | Ea. | $ 1.92 |
| 17 | N037-1431563 | POWER STUD BLOCK 1P 600V 230A, 3/8 NYLON NUT | 1 | Ea. | $ 655.98 |
| 18 | N037-1433563 | POWER STUD BLOCK 3P 600V 230A, 3/8 NYLON NUT | 1 | Ea. | $ 661.62 |
| 19 | N037-1492-CD3 | TERMINAL BLOCK | 1 | Ea. | $ 8.20 |
| 20 | N037-1492-N1 | MOUNTING RAIL TERMINAL BLOCK 3ft | 1 | Ea. | $ 38.13 |
| 21 | N037-1492-N16 | END BARRIER TERMINAL BLOCK | 1 | Ea. | $ 3.79 |
| 22 | N037-1492-N23 | END ANCHOR, TERMINAL BLOCK | 1 | Ea. | $ 10.89 |
| 23 | N037-16303-3 | PWR DIST BLOCK 310A 600V 350kcmil-#6 CU-AL 3 POLE | 1 | Ea. | $ 574.02 |
| 24 | N037-3030271 | JUMPER PLUG IN BRIDGE RED FBS 10-6 NO. OF POS. 10 | 1 | Ea. | $ 21.35 |
| 25 | N037-3044102 | TERMINAL BLOCK UT 4 | 1 | Ea. | $ 4.80 |
| 26 | N037-3047167 | PHOENIX PARTITION PLATE ATP-UT | 1 | Ea. | $ 3.10 |
| 27 | N037-801733 | PERFORATED DIN RAIL NS 35/7.5 | 1 | Ea. | $ 29.71 |
| 28 | N043-86E80506K80 | CAPACITOR, 50mF (MICRO) 10% OIL FILLED | 1 | Ea. | $ 371.46 |
| 29 | N044-MC32681 | AC/DC FINGER GUARD FOR 172mm AXIAL FANS | 1 | Ea. | $ 9.11 |
| 30 | N044-W2E143-AB15-01 | EXHAUST AC FAN 115VAC 115VAC 294 CFM 60HZ | 1 | Ea. | $ 776.07 |
| 31 | N045-700-HA32Z24 | RELAY, 24VDC COIL VOLTAGE DPDT 2P 10A | 1 | Ea. | $ 133.59 |
| 32 | N045-700-NH125 | RELAY SOCKET, FOR 700-HA32Z24 | 1 | Ea. | $ 55.63 |
| 33 | N046-30321 | FUSE BLOCK, 1P MIDGET 30A 600V | 1 | Ea. | $ 33.38 |
| 34 | N046-FLQ-5 | FUSE, TIME DELAY 5A 500VAC | 1 | Ea. | $ 52.57 |
| 35 | N059-AFLT812 | FILTER, LOUVER KIT | 1 | Ea. | $ 373.39 |
| 36 | N059-AVK812 | STEEL LOUVER KIT 12L X 8.00IN | 1 | Ea. | $ 414.30 |
| 37 | N067-AEXGR275 | EXHAUST GRILL AND FILTER KIT | 1 | Ea. | $ 854.97 |

| ITEM NO. | PART NUMBER | DESCRIPTION | QTY | UNIT | PRICE |
|---|---|---|---|---|---|
| 38 | N086-ADP2 | HOFFMAN DOOR PACKET | 1 | Ea. | $ 223.82 |
| 39 | N088-STAOFF4150A4 | RED FIBER GLASS STANDOFF 3/8-16"X3/8"3/4"D 1-1/2"H | 1 | Ea. | $ 45.85 |
| 40 | N090-T3A4-3/0N | GROUNDING LUG | 1 | Ea. | $ 125.26 |
| 41 | N091-DAH4001B | ELECTRIC HEATER 400W 115V 0-100 DEG F | 1 | Ea. | $ 2,855.93 |
| 42 | N103-8MB-0801 | CABLE AWM3212 150°C T-CU 1C #8 133ST BLK | 1 | Ea. | $ 5.34 |
| 43 | N103-8MB-1011 | CABLE AWM3212 150°C T-CU 1C 1/0 259ST BLK | 1 | Ea. | $ 29.61 |
| 44 | N103-8MB-2021 | #2/0 POWER CABLE SIL RUB 150C 600V UL LISTED | 1 | Ea. | $ 56.19 |
| 45 | N103-8MB-4041 | #4/0 POWER CABLE SIL RUB 150C 600V UL LISTED | 1 | Ea. | $ 55.95 |
| 46 | N037-6-141 | TERMINAL BLOCK, BARRIER 6P, 0.438 | 1 | Ea. | $ 43.00 |
| 47 | N037-MS-6-141 | MARKING STRIP FOR TERMINAL BLOCL:P/N 6-141 | 1 | Ea. | $ 7.19 |
| 48 | N041-1071 | LDC 3 PHASE 66.4V-220V 19.5KVA | 1 | Ea. | $ 7,808.14 |
| 49 | N041-1101B | GB XFRMR 575V TO 204/118V DELTA TO WYE 400HZ 90KVA | 1 | Ea. | $ 18,429.89 |
| 50 | N0001-PC050850-000 | MULTI USE PROTECTION A1 T&C | 1 | Ea. | $ 2,288.94 |
| 51 | N0001-PC050870-000 | FI BOARD, FAN INVERTER PCB T&C | 1 | Ea. | $ 6,380.70 |
| 52 | N047-1005128410B | PWA CONTACTOR ADAPTER PCB ASSEMBLY | 1 | Ea. | $ 414.20 |
| 53 | N0001-PC052947-000 | 6 STAGE DUAL PLUG MONITOR T&C | 1 | Ea. | $ 3,101.95 |
| 54 | N049-AL2DCCW | 3 POINT DOOR LATCH KEY CCW A 60/72" | 1 | Ea. | $ 1,354.19 |
| 55 | N052-D-1000-01-T | CURRENT TRANSFORMER 1000:1 50/60-400HZ 1.5"ID | 1 | Ea. | $ 94.78 |
| 56 | N053-HD24-4.8-A | POWER SUPPLY 24VDC REGULATED 4.8A | 1 | Ea. | $ 1,522.50 |
| 57 | N054-9001KN100BP | BLANK LEGEND PLATE, BLK 2 1/4"WX 2 1/4"H, PLASTIC | 1 | Ea. | $ 21.11 |
| 58 | HEX-000000-0062422 | 12 POLE FEMALE CONNECTOR | 1 | Ea. | $ 10.34 |
| 59 | N068-CW00510R00JB12 | RESISTOR, BURDEN 10 OHMS 5W, 5% | 1 | Ea. | $ 4.98 |
| 60 | N071-8349T12 | PLASTIC PVC TUBING,1/16ID 1/8"OD, 1/32" WALL THICK | 1 | Ea. | $ 2.35 |
| 61 | N088-1960 | BRASS THREADED STANDOFF 8-32 MALE/FEMALE 1" | 1 | Ea. | $ 41.05 |
| 62 | N088-4834 | NYLON THREADED STANDOFF 8-32 MALE/FEMALE 1" | 1 | Ea. | $ 2.96 |
| 63 | N098-A604820LP | ENCLOSURE 60X48X20" STEEL 2 DOOR FLOOR MNT TYPE-12 | 1 | Ea. | $ 19,184.38 |
| 64 | N098-A60P48 | PANEL, 56X44" 10G S WHT PAINT, TYPE 3R,4,4X,12,13 | 1 | Ea. | $ 2,529.14 |
| 65 | N104-RA863 | RED RING TERMINAL, #8, CRIMP,#22-16AWG | 1 | Ea. | $ 2.32 |
| 66 | N140-400HZ-CT-5 | CURRENT TRANSFORMER KIT W/5 OHM BURDEN RESISTORS | 1 | Ea. | $ 550.80 |
| 67 | HES-000000-0064213 | PUSHBUTTON, ILLUMINATED AMBER ALFD29911DN-A-24V | 1 | Ea. | $ 214.23 |
| 68 | N140-HD24-4.8-CT-KIT | POWER SUPPLY KIT 24VDC 4.8A W/COATING | 1 | Ea. | $ 3,358.93 |
| 69 | N145-1005085010-KIT | MULTI USE PROTECTION REV.E A1 BOARD KIT | 1 | Ea. | $ 2,765.16 |
| 70 | N145-1005087010-KIT | FI BOARD, FAN INVERTER KIT | 1 | Ea. | $ 6,753.48 |
| 71 | N145-1005294710-KIT | 6 STAGE DUAL PLUG MONITOR A8 BOARD KIT | 1 | Ea. | $ 3,474.72 |
| 72 | NR01-1005198300 | NR01-1005198300 | 1 | Ea. | $ 2,806.00 |
| 73 | NR01-10052891 | COPPER BUSS BAR 1X10X.125FOR OIL FILLED CAPACITORS | 1 | Ea. | $ 235.71 |
| 74 | NR01-PT056465 | ENCLOSURE BOX, GATE BOX, 180KVA | 1 | Ea. | $ 26,029.00 |

**APPENDIX C – SPARE PARTS PRICE LIST**
2500+ Units

**2500+ 90kva SPARE PARTS LIST**

| ITEM NO. | PART NUMBER | DESCRIPTION | QTY | UNIT | PRICE |
|---|---|---|---|---|---|
| 1 | HMA-000000-0059095 | AIR INLET FILTER | 1 | Ea. | $ 269.82 |
| 2 | HEX-000000-0059094 | FAN | 1 | Ea. | $ 334.93 |
| 3 | HMA-000000-0064568 | AIR FILTER 5/PK. | 1 | Ea. | $ 334.38 |
| 4 | N0001-AS062165-000 | IGBT + DRIVER BOARD ASSEMBLY 1 | 1 | Ea. | $ 873.03 |
| 5 | N0001-PT058332-000 | ALUMINUM BOARD FOR 6-GATE DRIVER BOARD | 1 | Ea. | $ 39.50 |
| 6 | N0001-AS062165-000 | IGBT + DRIVER BOARD ASSEMBLY 2 | 1 | Ea. | $ 873.03 |
| 7 | N0001-PT058333-000 | ALUMINUM BOARD FOR 12-GATE DRIVER BOARD | 1 | Ea. | $ 371.22 |
| 8 | HMS-000000-0066189 | HEATSINK COMPOUND, 1OZ TUBE | 1 | Ea. | $ 64.42 |
| 9 | HEX-000000-0059064 | DC LINK CAPACITOR | 1 | Ea. | $ 627.27 |
| 10 | N0001-PT058486-000 | LAMINATED DC POWER PLANE | 1 | Ea. | $ 2,374.07 |
| 11 | HEC-000000-0062659 | INPUT FILTER CAPACITOR | 1 | Ea. | $ 301.85 |
| 12 | N0001-PC060375-000 | OUTPUT FILTER BOARD | 1 | Ea. | $ 3,247.22 |
| 13 | N0001-PC060376-000 | SOFT START BOARD | 1 | Ea. | $ 705.05 |
| 14 | N0001-PC060377-000 | 6 GATE DRIVER BOARD | 1 | Ea. | $ 738.02 |
| 15 | N0001-PC060378-000 | 12 GATE DRIVER BOARD | 1 | Ea. | $ 847.95 |
| 16 | N0001-PC060379-000 | SYSTEM CONTROL BOARD | 1 | Ea. | $ 4,546.84 |
| 17 | N0001-PC060381-000 | FRONT PANEL BOARD | 1 | Ea. | $ 521.78 |
| 18 | N0001-PC060382-000 | BLEEDER BOARD | 1 | Ea. | $ 626.07 |
| 19 | N0001-PC060386-000 | I/O BOARD | 1 | Ea. | $ 1,947.41 |
| 20 | N0001-PC060387-000 | HIGH VOLTAGE BOARD | 1 | Ea. | $ 388.58 |
| 21 | N0001-PC060383-000 | RELAY BOARD | 1 | Ea. | $ 459.36 |
| 22 | HEE-000000-0065037 | HMI SCREEN | 1 | Ea. | $ 3,961.57 |
| 23 | HEX-000000-0058797 | CURRENT TRANSDUCER | 1 | Ea. | $ 329.52 |
| 24 | HEX-000000-0058798 | CURRENT TRANSFORMER | 1 | Ea. | $ 93.90 |
| 25 | HEU-000000-0066213 | STEP DOWN TRANSFORMER | 1 | Ea. | $ 752.33 |
| 26 | HEP-000000-0060773 | 300W POWER SUPPLY | 1 | Ea. | $ 307.80 |
| 27 | HES-000000-0064514 | PUSH BUTTON SWITCH WHITE | 1 | Ea. | $ 116.00 |
| 28 | HES-000000-0063384 | PUSH BUTTON SWITCH GREEN | 1 | Ea. | $ 214.77 |
| 29 | HES-000000-0063385 | PUSH BUTTON SWITCH RED | 1 | Ea. | $ 116.00 |
| 30 | HEC-000000-0062216 | INPUT CONTACTOR | 1 | Ea. | $ 1,703.65 |
| 31 | HEX-000000-0062218 | INPUT BREAKER | 1 | Ea. | $ 2,666.37 |
| 32 | HEX-000000-0062220 | CIRCUIT BREAKER ROTARY HANDLE BASE | 1 | Ea. | $ 191.36 |
| 33 | HEI-000000-0060770 | PLENUM 1000 OHM RTD 2.5 IN | 1 | Ea. | $ 47.96 |
| 34 | HEC-000000-0062217 | OUTPUT CONTACTOR | 1 | Ea. | $ 1,682.13 |

## Exhibit A – FAA Special Provisions

### A. General Civil Rights Provisions

In all its activities within the scope of its airport program, the Contractor agrees to comply with pertinent statutes, Executive Orders, and such rules as identified in Title VI List of Pertinent Nondiscrimination Acts and Authorities to ensure that no person shall, on the grounds of race, color, national origin, creed, sex, age, or disability be excluded from participating in any activity conducted with or benefiting from Federal assistance.

This provision is in addition to that required by Title VI of the Civil Rights Act of 1964.

The above provision binds the Contractor and subcontractors from the bid solicitation period through the completion of the contract.

### B. Title VI List of Pertinent Nondiscrimination Acts and Authorities

During the performance of this contract, the Contractor, for itself, its assignees, and successors in interest (hereinafter referred to as the "Contractor") agrees to comply with the following non-discrimination statutes and authorities; including but not limited to:

- Title VI of the Civil Rights Act of 1964 (42 U.S.C. § 2000d *et seq*., 78 stat. 252) (prohibits discrimination on the basis of race, color, national origin);
- 49 CFR part 21 (Non-discrimination in Federally-Assisted programs of the Department of Transportation—Effectuation of Title VI of the Civil Rights Act of 1964) including amendments thereto;
- The Uniform Relocation Assistance and Real Property Acquisition Policies Act of 1970, (42 U.S.C. § 4601) (prohibits unfair treatment of persons displaced or whose property has been acquired because of Federal or Federal-aid programs and projects);
- Section 504 of the Rehabilitation Act of 1973 (29 U.S.C. § 794 *et seq*.), as amended (prohibits discrimination on the basis of disability); and 49 CFR part 27 (Nondiscrimination on the Basis of Disability in Programs or Activities Receiving Federal Financial Assistance);
- The Age Discrimination Act of 1975, as amended (42 U.S.C. § 6101 *et seq*.) (prohibits discrimination on the basis of age);
- Airport and Airway Improvement Act of 1982 (49 U.S.C. § 47123), as amended (prohibits discrimination based on race, creed, color, national origin, or sex);
- The Civil Rights Restoration Act of 1987 (P.L. 100-259) (broadened the scope, coverage and applicability of Title VI of the Civil Rights Act of 1964, the Age Discrimination Act of 1975 and Section 504 of the Rehabilitation Act of 1973, by expanding the definition of the terms "programs or activities" to include all of the programs or activities of the Federal-aid recipients, sub-recipients and contractors, whether such programs or activities are Federally funded or not);

- Titles II and III of the Americans with Disabilities Act of 1990 (42 U.S.C. § 12101, et seq) (prohibit discrimination on the basis of disability in the operation of public entities, public and private transportation systems, places of public accommodation, and certain testing entities) as implemented by U.S. Department of Transportation regulations at 49 CFR parts 37 and 38;
- Title IX of the Education Amendments of 1972, as amended, which prohibits you from discriminating because of sex in education programs or activities (20 U.S.C. § 1681, et seq).

**C. Compliance with Nondiscrimination Requirements:**

During the performance of this contract, the Contractor, for itself, its assignees, and successors in interest (hereinafter referred to as the "Contractor"), agrees as follows:

1. **Compliance with Regulations:** The Contractor (hereinafter includes consultants) will comply with the Title VI List of Pertinent Nondiscrimination Acts and Authorities, as they may be amended from time to time, which are herein incorporated by reference and made a part of this contract.
2. **Nondiscrimination:** The Contractor, with regard to the work performed by it during the contract, will not discriminate on the grounds of race, color, national origin, creed, sex, age, or disability in the selection and retention of subcontractors, including procurements of materials and leases of equipment. The Contractor will not participate directly or indirectly in the discrimination prohibited by the Nondiscrimination Acts and Authorities, including employment practices when the contract covers any activity, project, or program set forth in Appendix B of 49 CFR part 21 including amendments thereto.
3. **Solicitations for Subcontracts, including Procurements of Materials and Equipment:** In all solicitations, either by competitive bidding or negotiation made by the Contractor for work to be performed under a subcontract, including procurements of materials, or leases of equipment, each potential subcontractor or supplier will be notified by the Contractor of the contractor's obligations under this contract and the Nondiscrimination Acts and Authorities on the grounds of race, color, or national origin.
4. **Information and Reports:** The Contractor will provide all information and reports required by the Acts, the Regulations, and directives issued pursuant thereto and will permit access to its books, records, accounts, other sources of information, and its facilities as may be determined by the Sponsor or the Federal Aviation Administration to be pertinent to ascertain compliance with such Nondiscrimination Acts and Authorities and instructions. Where any information required of a contractor is in the exclusive possession of another who fails or refuses to furnish the information, the Contractor will so certify to the Sponsor or the Federal Aviation Administration, as appropriate, and will set forth what efforts it has made to obtain the information.
5. **Sanctions for Noncompliance:** In the event of a Contractor's noncompliance with the non-discrimination provisions of this contract, the Sponsor will impose such contract

sanctions as it or the Federal Aviation Administration may determine to be appropriate, including, but not limited to:

a. Withholding payments to the Contractor under the contract until the Contractor complies; and/or

b. Cancelling, terminating, or suspending a contract, in whole or in part.

6. **Incorporation of Provisions:** The Contractor will include the provisions of paragraphs one through six in every subcontract, including procurements of materials and leases of equipment, unless exempt by the Acts, the Regulations, and directives issued pursuant thereto. The Contractor will take action with respect to any subcontract or procurement as the Sponsor or the Federal Aviation Administration may direct as a means of enforcing such provisions including sanctions for noncompliance. Provided, that if the Contractor becomes involved in, or is threatened with litigation by a subcontractor, or supplier because of such direction, the Contractor may request the Sponsor to enter into any litigation to protect the interests of the Sponsor. In addition, the Contractor may request the United States to enter into the litigation to protect the interests of the United States.

**D.** All Contracts and subcontracts that result from this solicitation incorporate by reference the provisions of 29 CFR Part 201, the Federal Fair Labor Standards Act (FLSA), with the same force and effect as if given in full text. The FLSA sets minimum wage, overtime pay, recordkeeping, and child labor standards for full and part time workers.

The Contractor has full responsibility to monitor compliance to the referenced statute or regulation. The Contractor must address any claims or disputes that arise from this requirement directly with the U.S. Department of Labor – Wage and Hour Division

**E.** All Contracts and subcontracts that result from this solicitation incorporate by reference the requirements of 29 CFR Part 1910 with the same force and effect as if given in full text. Contractor must provide a work environment that is free from recognized hazards that may cause death or serious physical harm to the employee. The Contractor retains full responsibility to monitor its compliance and their Subcontractor's compliance with the applicable requirements of the Occupational Safety and Health Act of 1970 (20 CFR Part 1910). Contractor must address any claims or disputes that pertain to a referenced requirement directly with the U.S. Department of Labor – Occupational Safety and Health Administration.

**F.** Contractor and Subcontractor agree to comply with mandatory standards and policies relating to use and procurement of certain telecommunications and video surveillance services or equipment in compliance with the National Defense Authorization Act [Public Law 115-232 § 889(f)(1)].

**G.** The Bidder or Offeror certifies by signing and submitting this bid or proposal that, to the greatest extent practicable, the Bidder or Offeror has provided a preference for the purchase, acquisition, or use of goods, products, or materials produced in the United States (including, but not limited to, iron, aluminum, steel, cement, and other manufactured products) in compliance with 2 CFR § 200.322.

Attachment 2

# MIAMI-DADE AVIATION DEPARTMENT ENVIRONMENTAL POLICY

The Miami-Dade Aviation Department's (MDAD) goal is to provide efficient aviation services while striving to achieve the highest environmental quality for air, soil, and water. Consequently, we are committed to conducting operations in ways that protect the environment, use resources in a sustainable manner, mitigate climate change, and protect biodiversity and the ecosystem.

To achieve these goals, MDAD has established the following objectives:

- **A**wareness – MDAD staff will continuously enhance its awareness of the environmental concerns of our community. MDAD will act promptly to address environmental incidents.
- **I**mplementation of best management practices - MDAD will integrate its environmental management system with best management practices and is committed to continually review, improve, and report on its effectiveness to enhance environmental performance. Reports will be accessible to employees, the public and interested parties.
- **R**estoration of the environment – MDAD will continue environmental rehabilitation of its airports.
- **P**ollution prevention and environmental protection – MDAD will strive to implement procedures that integrate pollution prevention, waste reduction and environmental protection. MDAD will seek to conserve natural resources by reusing and/or purchasing recycled materials and products that do not adversely affect the environment and that can be reused, recycled, and disposed in a safe manner.
- **O**bjectives and programs – MDAD'S executives will establish and update environmental objectives and programs through strategic planning, periodic audits, and self-assessments.
- **R**egulatory compliance – MDAD will continue efforts to meet or exceed all applicable compliance obligations and implement voluntary guidelines to which the Aviation Department subscribes.
- **T**enant compliance – MDAD will work with its tenants, suppliers, and contractors to make them aware of MDAD's environmental management system and encourage them to adopt sound, comprehensive environmental management practices.

MDAD employees are encouraged to follow this policy and to report any environmental concern to the Airport Operations Center (AOC) at 305-876-0385 or notify their supervisors for appropriate action.

Our vision is to continue a tradition of leadership concerning environmental issues and to practice sustainable development. By carefully balancing environmental, social, and economic factors into our business planning and decision-making processes, we will ensure a favorable workplace today and a healthy environment tomorrow.

10/13/21

Ralph Cutié
Aviation Director and CEO

EP-03-0921

## CONTRACTING WITH ENTITIES OF FOREIGN COUNTRIES OF CONCERN PROHIBITED AFFIDAVIT

The Contracting with Entities of Foreign Countries of Concern Prohibited Affidavit Form ("Form") is required by Section 287.138, Florida Statutes ("F.S."), which is deemed as being expressly incorporated into this Form. The Affidavit must be completed by a person authorized to make this attestation on behalf of the Bidder/Proposer for the purpose of submitting a bid, proposal, quote, or other response, or otherwise entering into a contract with the County. The associated bid, proposal, quote, or other response will not be accepted unless and until this completed and executed Affidavit is submitted to the County.

Dabico Airport Solutions, Inc does not meet any of the criteria set forth in Paragraphs 2 (a) – (c)

Bidder's/Proposer's Legal Company Name

of Section 287.138, F.S.

Pursuant to Section 92.525, F.S., under penalties of perjury, I declare that I have read the foregoing statement and that the facts stated in it are true.

Print Name of Bidder's/Proposer's Authorized Representative: Felix Covarrubias

Title of Bidder's/Proposer's Authorized Representative: Vice President, Americas – GSE & Packaged Solutions

Signature of Bidder's/Proposer's Authorized Representative: Felix Covarrubias

Date: 11/13/25

# Contractor Due Diligence Affidavit

In accordance with Miami-Dade County (County) Resolution No. 63-14, proposed vendors and contractors shall disclose the following as a condition of award for any contract that exceeds one million dollars ($1,000,000) or that otherwise must be presented to the Board of County Commissioners for approval:

(1) Provide a list of all lawsuits in the five (5) years prior to bid or proposal submittal that have been filed against the firm, its directors, partners, principals and/or board members based on a breach of contract by the firm; include the case name, number and disposition;

(2) Provide a list of any instances in the five (5) years prior to bid or proposal submittal where the firm has defaulted; include a brief description of the circumstances; and,

(3) Provide a list of any instances in the five (5) years prior to bid or proposal submittal where the firm has been debarred or received a formal notice of non-compliance or non-performance, such as a notice to cure or a suspension from participating or bidding for contracts, whether related to Miami-Dade County or not.

All the above information shall be attached to the executed Contractor Diligence Affidavit *(this Affidavit)* and submitted to the procurement professional overseeing the acquisition process. The vendor/contractor attests to providing all the above information, as applicable, to the County.

**Written Declaration:** Pursuant to §92.525, Florida Statutes, under penalties of perjury, I declare that I have read the foregoing Affidavit and that the facts stated in it and the information provided (hereto) are true, accurate, and complete.

Signature of Authorized Representative (Principal): Felix Covarrubias

Printed Name of Authorized Representative (Principal): Felix Covarrubias

Title: Vice President Americas-GSE Packaged Solutions

Date: 11/12/25

# KIDNAPPING, CUSTODY OFFENSES, HUMAN TRAFFICKING AND RELATED OFFENSES AFFIDAVIT

The Kidnapping, Custody Offenses, Human Trafficking and Related Offenses Affidavit is required by Section 787.06, Florida Statutes ("F.S."), as amended by HB 7063, which is deemed as being expressly incorporated into this Form. The Form must be completed by a person authorized to make this attestation on behalf of the Contractor (Nongovernmental Entity) for the purpose of executing, amending, or renewing a Contract with the County (Governmental Entity). The term Governmental Entity has the same meaning as in Section 287.138(1), F.S.

Dabico Airport Solutions, Inc does not use coercion for labor or services as defined in Section 787.06, F.S.

Contractor's Legal Company Name

Pursuant to Section 92.525, F.S., under the penalties of perjury, I declare that I have read the foregoing statement and that the facts stated in it are true.

Print Name of Contractor's Authorized Representative: Felix Covarrubias

Title of Contractor's Authorized Representative: Vice President Americas- GSE Packaged Solutions

Signature of Contractor's Authorized Representative: Felix Covarrubias

Date: 11/13/2025