



**CENTRALBIDDING**

FROM CENTRAL AUCTION HOUSE

**5000143649 Supply and Install a Fully Integrated Building Management System (BMS) at the Jefferson Parish Emergency Operation and Communication Center**

Jefferson Parish Government

Project documents obtained from [www.CentralBidding.com](http://www.CentralBidding.com)

30-Oct-2023 10:15:16 AM



**Bid Number 50-00143649**

**Supply and Install a Fully Integrated Building Management System  
(BMS) at the Jefferson Parish Emergency Operation and  
Communication Center**

**BID DUE: October 31, 2023 AT 2:00 P.M.**

**ATTENTION VENDORS!!!**

**Please review all pages and respond accordingly, complying with all provisions  
in the technical specifications and Jefferson Parish Instructions for Bidders and  
General Terms and Conditions. All bids must be received on the Purchasing  
Department's eProcurement site, [www.jeffparishbids.net](http://www.jeffparishbids.net), by the bid due date  
and time. Late bids will not be accepted.**

**Jefferson Parish Purchasing Department  
200 Derbigny Street  
General Government Building, Suite 4400  
Gretna, LA 70053  
Buyer Name: Doris Abraham  
Buyer Email: [DABRAHAM@jeffparish.net](mailto:DABRAHAM@jeffparish.net)  
Buyer Phone: 504-364-2690**

## **Specifications for Bid No. 50-00143649**

### **SUPPLY AND INSTALL A FULLY INTEGRATED BUILDING MANAGEMENT SYSTEM (BMS)**

#### **Section 1.0 – Site Visits:**

All prospective bidders can schedule a site visit thru Tim Hoskins with the Department of General Services between 8:30 a.m. to 4:30 p.m. Monday Thru Friday. Mr. Hoskins can be reached at 504-364-2675

#### **Section 2.0 – Scope:**

We extend this proposal to provide labor, materials, equipment, transportation, and all other incidentals necessary to supply and Install (1) one new fully integrated Building Management System (BMS) at the Jefferson Parish Emergency Operation and Communication Center located at 910 3<sup>rd</sup> Street, Gretna, LA 70053.

#### **Section 3.0 – License:**

A Louisiana State Contractor's License will be required in accordance with LSA R.S. 37-2150 et. seq., and such license number will be shown on the outside of the electronic bid envelope. Failure to comply will cause the bid to be rejected. When submitting the bid electronically, the license number must be entered in the appropriate field in the electronic procurement system. Failure to comply will cause the bid to be rejected." A copy of the license is not required by law; however, they must specify their license number on their bid envelope.

#### **3.1 License(s) issued by the Louisiana State Licensing Board for Contractors:**

##### **Specialty license in:**

- Commercial - Mechanical

#### **Section 4.0 – Bonds:**

- **Performance Bond:** A Performance Bond in the amount of 100% of the total contract amount will be required. A performance bond shall be produced upon contract execution. Performance Bond will require the one (1) year standard warranty.
- **Surety Bond:** An Electronic bid bond will be required with bid submission in the amount of 5% of the total bid. The vendor shall indicate the electronic bid bond number in the location specified on the electronic bid envelope. No scanned paper copies of any bid bond will be accepted as part of the electronic bid submission.

#### **Section 5.0 Submittals:**

If the bidder intends to provide materials equal to or better than owner-specified materials, the following shall be provided with the bid submission. Provide the requested information with your bid to ensure the bid is deemed responsive.

- Manufacturer's catalog data
- Detail sheets
- Specifications of product
- Warranty information

## **Specifications for Bid No. 50-00143649**

### **Section 6.0 – Quantities/Inspection:**

Bidders must inspect the site and perform their measurements to determine the proper quantity of materials and equipment required to complete this project. All measurements given in these specifications are for informational purposes only.

### **Section 7.0 –General Description/Locations:**

The new Building management system must have the capability to control and manage the following under one system computer and one software package:

- Heating, Ventilating, and Air Conditioning (HVAC) Systems

Systems that merely interface to other systems or use separate computers, software, and control equipment to accomplish this will not be accepted for this project.

**Note:** Unless specifically noted to remain, all controls and devices shall be replaced. This is included but not limited to the MEC, computer, and software. Any controllers that will not integrate with the new Building Management System shall be replaced with new equipment also. All abandoned existing controls shall be removed, including but not limited to temperature sensors, damper actuators, differential pressure switches/transducers, and all associated wiring, tubing, panels, etc.

### **Section 8.0 – Bid specifications:**

- All materials shall be bidder-supplied new
- The existing control system shall remain functional and run in parallel with the new system until such time that all existing controls are removed and the new system has been commissioned.
- New controllers shall be mapped to the new Heating, Ventilating, and Air Conditioning (HVAC) controllers in phases to maintain control of the entire system throughout the installation.
- Existing hardwired safety controls, motor starters, and communication wires shall remain.
- The successful bidder shall verify the proper operation of all existing hardwired safety controls and motor starters and immediately report any malfunctioning devices to the owner.
- Properly connect the existing communication wire to the new Building Management System (BMS).
- Successful bidder shall supply and install any additional wiring needed to properly connect existing equipment to the new Building Management System (BMS).
- Wiring shall be manufacture approved and properly sized for the application.
- All panels, devices, controllers, and other BMS equipment shall be installed in accordance with the National Electrical Code (NEC).
- All panels located in conditioned areas shall be NEMA 2 rated
- All panels located in unconditioned areas shall be NEMA 3R rated.



## Specifications for Bid No. 50-00143649

### Section 8.0 – Bid specifications: Continued

- All necessary software to form a complete and fully functional system shall be provided as described in this specification.
- Software programs shall be an integral part of the Heating, Ventilating, and Air Conditioning (HVAC) controller and shall not be dependent upon any higher-level mainframe or personal computer for execution.
- Color labeling/graphics showing the building floor plan shall be developed and installed for access to the following points:
  - System point data
  - Schedules
  - Alarm management
  - Set point adjustments
  - Written sequences of operation.
- The graphics package shall include a floor plan showing the location of controlled equipment as well as individual graphics for:
  - Exhaust Fans
  - Hot Water System
  - Chilled Water System
  - Each VAV Box
  - Energy (KWH) and Demand (KW)
  - Air Handling Units
  - Fan Coil Units
  - Split A/C Units
- Installation and programming of software upgrades for all programs shall be included for five (5) years following final acceptance and completion of the project at no additional cost to Jefferson Parish.
- Owner shall receive a backup copy of all software, programs, and upgrades.
- Cost for all software licenses shall be included in this project.
- Building Management System (BMS) head-end equipment shall be modular in nature. It shall permit expanding capacity and functionality by adding sensors, actuators, controllers, application-specific controllers, and operator devices.
- System architectural design shall eliminate dependence upon any single device for control execution.
- The new BMS system shall create, modify and document all process control sequences, including all Heating, Ventilating, and Air Conditioning (HVAC) controller application software, energy management software, alarm processes, color graphics and links, and facilities maintenance programs.

## **Specifications for Bid No. 50-00143649**

### **Section 8.0 – Bid specifications: Continued**

The new BMS system shall have the capability of performing the following:

- Time of Day Scheduling
- Calendar based Scheduling
- Holiday Scheduling
- Optimal Start
- Optimal Stop
- Custom Application Programs
- Trend Logs

### **Section 8.1 Alarm Monitoring and Reporting:**

- The new BMS system shall determine the action needed to be taken in the event of an alarm (i.e., route the alarm to the appropriate workstation, start programs, print or display custom messages).
- Alarm points are to be adjustable and determined, and set by the Owner.
- Provide a virtual switch to disable individual alarm receiver notifications.
- The new BMS system shall dial out to the following devices in the event of an alarm:
- The alarm message shall include the name of the calling location, the device that generated the alarm, and the alarm message itself.
  - Remote service PC workstations
  - Cell phone text messaging
  - Email

### **Section 8.2 Web Browser Capabilities:**

- The system shall support unlimited clients using a standard Web Browser. Systems requiring additional software resident on the client machine or manufacture-specific browsers shall not be acceptable.
- The Web Browser client shall support, at a minimum, the following functions:
  - User log-on identification and password
  - If an unauthorized user attempts to access, a blank web page shall be displayed.
  - Security using Java authentication techniques to prevent unauthorized access shall be implemented.
  - Graphical screens shall be the same screens used for the Web Browser client. The graphical screens shall be stored in the system without requiring any graphics to be stored on the client machine. Systems that require graphics storage on each client are not acceptable.
  - Depending on user access privileges, the user shall be able to view data, modify and command objects such as start/stop, and adjust set points. In addition, users can be provided with the ability to view logs and view and acknowledge alarms.

## Specifications for Bid No. 50-00143649

### Section 8.2 Web Browser Capabilities: Continued

- The system shall provide the capability to specify a user's (as determined by the log-on user identification) home page. The capability to limit the user to just their home page shall be provided. From the home page, links to other views or pages in the system shall be possible.

### Section 8.3 HVAC Controllers:

- Replace the MEC controller panel with a new PXC controller Panel.
- Each new HVAC controller must be capable of being configured as:
  - Analog input
  - Analog output
  - Binary input
  - Binary output
- Each HVAC controller must utilize a two-piece board design. All wiring must land on the terminal board. The "Mother Board" must be fully detachable from the terminal board.
- HVAC controller must be Expandable to support its own operating system and data FMS including, but not limited to:
  - Custom control processes
  - Energy Management Applications
  - Alarm Management
  - Trend Data
  - Maintenance Support Applications
  - Operator I/O
- HVAC control panels shall be easily addressable, allowing programming to be done by the owner.
- HVAC control Panels shall be able to execute custom application programs defined by the user to perform calculations and control routines automatically.
- Each HVAC controller and the application-specific controller shall operate independently. The failure of any single component or network connection shall not interrupt the execution of control strategies at other operational devices.
- HVAC controllers shall be able to access any data from or send control commands to other controllers on the network without dependence upon a central processing device.
- The HVAC control panel shall include a provision for limiting the number of times each piece of equipment may be cycled within one hour.
- The HVAC control panel shall provide power fail motor restart. Upon the resumption of normal power, the
- HVAC control panel shall analyze the status of all controlled equipment, compare it with normal occupancy scheduling, and turn equipment on or off as necessary to resume normal operation.
- HVAC controller shall permit easy expansion by adding field controllers, sensors, and actuators. Each control panel shall be installed with an unlimited expansion capacity for all point types (AO, DO, DI, AI) without adding expansion modules.

## **Specifications for Bid No. 50-00143649**

### **Section 8.3 HVAC Controllers: Continued**

- HVAC control Panels shall provide at least two RS-485 serial data communication ports for simultaneously operating multiple operator I/O devices, such as laptop computers, Personal Computers, and alarm printers.
- Each HVAC control Panel shall continuously perform self-diagnostics, communication diagnosis, and diagnosis of all subsidiary equipment. Control Panels shall provide local and remote annunciation of any detected component failures or repeated failure to establish communication. Indication of the diagnostic results shall be provided at each control Panel.
- Each HVAC controller shall be provided with Surge and Transient Protection: Isolation shall be provided at all network terminations and field point terminations to suppress induced voltage transients. Isolation levels shall be sufficiently high to allow all signal wiring to be run in the same conduit as high voltage wiring where acceptable by electrical code. Provide surge suppressers to meet ANSI C62.45 standard and shall not let surges over 20 volts at less than one nanosecond response time.
- Each HVAC controller in the event of the loss of normal power, there shall be an orderly shutdown of the HVAC control Panel to prevent the loss of data BMS or operating system software. Non-volatile memory shall be incorporated for all critical controller configuration data, and battery backup shall be provided to support the real-time clock and all volatile memory for a minimum of 72 hours. Upon restoration of normal power, the HVAC Control Panel shall automatically resume the entire operation without manual intervention.

### **Section 9.0 – General Description:**

#### **Building Management System Work station**

- Standalone Control Panels.
- Standalone application specific controllers.
- Operator Workstation
- Communication Network
- Intel Core i7: 8<sup>th</sup> generation or later, CPU Mark of 13,000 or higher
- 4 cores per running system
- 2.0 GHZ processor speed
- X64 processor
- 1TB SSD
- Power Supply 100-240VAC/12VDC 8.5A External Adapter
- 32 GB of RAM
- Four USB 2.0 Ports (Two Front/Two Rear)
- Two USB 3.0 (Rear)
- Two RS232/422 Serial Ports (Rear)
- Monitors 24" flat panel LCD (black)
- Standard keyboard (black)
- USB optical mouse

## **Specifications for Bid No. 50-00143649**

### **Section 9.0 – General Description: Continued**

- APC 650VA uninterrupted power supply (UPS)
- CBAS Dongle
- Windows latest Edition
- Adobe Reader
- Microsoft Security Essentials

### **Section 10.0 Training:**

Provide forty hours (40) of instructional training to the Owner's operating personnel of up to ten (10) operators per class. Training shall be provided in a minimum of five (5) sessions coordinated with the owner's schedule and address, as a minimum, the following:

- Explanation of building operations.
- Programming.
- Walk-through of the job to locate control components.
- Operator workstation and peripherals.
- HVAC controller and FMS operation/function.
- Operator control functions, trends, alarm responses, and data archiving.

The successful bidder's sole responsibility is to document all training sessions in full. The successful bidder's responsible for initiating and scheduling the formal training sessions. To qualify as a formal training session, the successful bidder shall release written notification of the planned training session and obtain written acceptance from an authorized owner's representative.

### **Section 11.0 - Hours of Work:**

Work shall be performed during normal working hours Monday thru Friday, 7:00 a.m. – 4:00 p.m.

### **Section 12.0 – Existing Structure**

Should any cutting, patching, alteration, addition, or repairs to the existing structure, wall, floor, ceiling, or part of the building be required of this project, the successful bidder shall restore the alteration to its original condition, with the same type materials, finish, and workmanship.

### **Section 13.0 – Permits:**

Bidder shall obtain permits as required by the Jefferson Parish Department of Inspection and Code Enforcement and any municipality where work is performed.

The bidder shall be responsible for the payment of these permits. All permits must be obtained before the start of any project requiring permits.

## **Specifications for Bid No. 50-00143649**

### **Section 14.0 – Warranty:**

Warranty shall include the adjustment and repair of the system, including all personal computer equipment, printers, controllers, transmission equipment, and all sensors and control devices. The warranty period shall be for five years (60) month period commencing on the date of final acceptance or of beneficial use. Performance Bond will only require the one (1) year standard warranty.

### **Section 15.0 – Liquidated Damages:**

Commencing on the ninety-first (91) day following the notice to proceed until work is substantially complete, liquidated damages will be assessed in the amount of 300 dollars per day.

### **Section 16.0 – Start of Work Conference and Notice to Order Materials and Notice to Proceed:**

- A “Start of Work Conference” shall be held between the successful bidder and the owner before any work commences.
- No Materials shall be ordered until the successful bidder receives a written “Notice to Order Materials” from the Department of General Services.
- No work shall be performed until the successful bidder receives a written “Notice to Proceed” to begin work from the Department of General Services.

DATE: 10/04/2023  
BID NO.: 50-00143649

INVITATION TO BID  
THIS IS NOT AN ORDER

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**JEFFERSON PARISH**

PURCHASING DEPARTMENT  
P.O. BOX 9  
GRETNA, LA. 70054-0009  
504-364-2678

PURCHASING SPECIALIST:  
DABRAHAM@jeffparish.net

**BIDS WILL BE RECEIVED ONLINE VIA [WWW.JEFFPARISHBIDS.NET](http://WWW.JEFFPARISHBIDS.NET) UNTIL 2:00 PM, 10/31/2023 AND PUBLICLY OPENED THEREAFTER IN THE WEST BANK PURCHASING DEPT, SUITE 4400, JEFFERSON PARISH GENERAL GOVERNMENT BUILDING, 200 DERBIGNY STREET, GRETNA, LA 70053. At no charge, bidders are to submit via Jefferson Parish's electronic procurement page by visiting [www.jeffparishbids.net](http://www.jeffparishbids.net) to register for this free site. Additional instructions are included in the text box highlighting electronic procurement.**

**LATE BIDS WILL NOT BE ACCEPTED**

**NOTE: ONLY BIDS WRITTEN IN INK OR TYPEWRITTEN, AND PROPERLY SIGNED BY A MEMBER OF THE FIRM OR AUTHORIZED REPRESENTATIVE, WILL BE ACCEPTED. PENCIL AND/OR PHOTOSTATIC FIGURES OR SIGNATURES SHALL RESULT IN BID REJECTION. HOWEVER, ELECTRONIC SIGNATURES AS DEFINED IN LSA - R.S. 9:2620(8) ARE ACCEPTABLE. SIGNATURE MUST BE A SECURED DIGITAL SIGNATURE.**

**INSTRUCTIONS FOR BIDDERS AND GENERAL CONDITIONS**

**THE FOLLOWING INSTRUCTIONS APPLY TO ALL BIDS**

All bids submitted are subject to these instructions and general conditions and any special conditions and specifications contained herein, all of which are made part of this bid proposal reference. By submitting a bid, vendor agrees to comply with all provisions of Louisiana Law as well be in compliance with the Jefferson Parish Code of Ordinances, Louisiana Code of Ethics, applicable Jefferson Parish ethical standards and Jefferson Parish Resolution No. 136353 and/or Resolution No. 141125 as amended.

Jefferson Parish adheres to the Louisiana Code of Governmental Ethics, contained in Louisiana Revised Statutes Annotated, R.S. 42:1101, et seq. Vendor/Proposer by this submission, warrants that there are no "conflicts of interest" related to this procurement that would violate applicable Louisiana Law. Violation of the Louisiana Code of Governmental Ethics may result in rescission of contract, permit or licenses, and the imposition of fines and/or penalties, without contractual liability to the public in accordance with applicable law.

All vendors submitting bids should register as a Jefferson Parish vendor if not already yet registered. Registration forms may be downloaded from <http://purchasing.jeffparish.net> and by clicking on Vendor Information. Current W-9 forms with respective Tax Identification numbers and vendor applications may be submitted at any time; however, if your company is not registered and/or a current W-9 form is not on file, vendor registration is mandatory. Vendors may experience a delay in payment if your company is not a registered vendor with Jefferson Parish.

All quotations shall be based on F.O.B. Agency warehouse or job site, anywhere within the Parish as designated by the Purchasing Department. This provision does not apply to public works projects

JEFFERSON PARISH requires all products to be new (current) and all work must be performed according to standard practices for the project. Unless otherwise specified, no aftermarket parts will be accepted. Unless otherwise specified, all workmanship and materials must have at least one (1) year guaranty, in writing, from the date of delivery and/or acceptance of the project. Any deviations or alterations from the specifications must be indicated and/or supporting documentation supplied with bid submission.

Bidders should submit all questions in writing via email to the Purchasing Specialist's email address as indicated above, no later than Five (5) working days prior to the bid opening. Bid numbers should be mentioned in all requests. If submitting online, vendors may send questions via the E-Procurement site no later than Five (5) working days prior to the bid opening.

If this bid requires a pre-bid conference (see Additional Requirements section), bidders are advised that such conference will be held to allow bidders the opportunity to identify any discrepancies in the bid specifications and seek further clarification regarding instructions. The Purchasing Department will issue a written response to bidders' questions in the form of an Addendum. Please note that all official communication will be expressed in the form of an addendum.

**Visit our website at [HTTP://PURCHASING.JEFFPARISH.NET](http://PURCHASING.JEFFPARISH.NET)**

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All formal Addenda require written acknowledgement on the bid form by the bidder. Failure to acknowledge any Addendum on the bid form shall cause the bid to be rejected. JEFFERSON PARISH reserves the right to award bid to next lowest responsive and responsible bidder in this event.

JEFFERSON PARISH will accept one price for each item unless otherwise indicated. Two or more prices for one item will result in bid rejection. Bidders are required to complete, sign and return the bid form and/or complete and return the associated line item pricing forms as indicated. Vendors must not alter the bid forms. Doing so will cause the bid to be rejected.

A corporate resolution or written evidence of the individual signing the bid having such authority must be submitted with the bid. Failure to comply will cause bid to be rejected. For corporate entities, such written evidence may be a printout of the Louisiana Secretary of State's website listing the signatory as an officer. Such printout shall be included with the bid submission. Bids submitted by Owners or Sole Proprietorships must include certification that he or she owns the entity for which the bid is signed. This documentation must be submitted with the bid. Failure to do so will result in bid rejection.

NOTE: A sample corporate resolution can be downloaded from our website <http://purchasing.jeffparish.net> or you may provide your own document. A sample certification of sole proprietorship can also be downloaded from our website <http://purchasing.jeffparish.net> or you may provide your own document.

### INSTRUCTIONS FOR BIDDERS AND GENERAL CONDITIONS

A. AWARD OF CONTRACT: JEFFERSON PARISH reserves the right to award contracts or place orders on a lump sum or individual item basis, or such combination, as shall in its judgment be in the best interest of JEFFERSON PARISH. Every contract or order shall be awarded to the LOWEST RESPONSIVE and RESPONSIBLE BIDDER, taking into consideration the CONFORMITY WITH THE SPECIFICATIONS and the DELIVERY AND/OR COMPLETION DATE. SPLIT AWARDS MADE TO SEVERAL VENDORS WILL ONLY BE GRANTED TO THOSE DEEMED RESPONSIVE AND RESPONSIBLE.

All bid prices shall remain valid for 45 days. Jefferson Parish and the lowest responsive and responsible bidder(s) by mutual written consent may mutually agree to extend the deadline for award by one (1) or more extensions of thirty (30) calendar days.

PROTESTS: Only those vendors that submit bids in response to this solicitation may protest any element of the procurement, in writing to the Director of the Purchasing Department. Written protest must be received within 48 hours of the release of the bid tabulation by the Purchasing Department. After consultation, the Parish Attorney's Office will then respond to protests in writing. (For more information, please see Chapter 2, Article VII, Division 2, Sec. 2-914.1 of the Jefferson Parish Code of Ordinances.)

PREFERENCE: Unless federal funding is directly spent by Jefferson Parish for this purchase, preference is hereby given to materials, supplies, and provisions produced, manufactured or grown in Louisiana, quality being equal to articles offered by competitors outside the state. "LSA – R.S. 38:2251-2261"

B. USE OF BRAND NAMES AND STOCK NUMBERS: Where brand names and stock numbers are specified, it is for the purpose of establishing certain minimum standards of quality. Bids may be submitted for products of equal quality, provided brand names and stock numbers are specified. Complete product data may be required prior to award.

C. CANCELLATION OF CONTRACT: JEFFERSON PARISH reserves the right to cancel all or any part if not shipped promptly. No charges will be allowed for parking or cartage unless specified in quotation. The order must not be filled at a higher price than quoted. JEFFERSON PARISH reserves the right to cancel any contract at anytime and for any reason by issuing a THIRTY (30) day written notice to the contractor.

For good cause and as consideration for executing a contract with Jefferson Parish, vendor conveys, sells, assigns and transfers to Jefferson Parish or its assigns all rights, title and interest in and to all causes of action it may now or hereafter acquire under the antitrust laws of the United States and the State of Louisiana, relating to the particular good or services purchased or acquired by Jefferson Parish.

D. PRICES: Jefferson Parish is exempt from paying sales tax under LSA-R.S. 47:301 (8)(c). All prices for purchases by Jefferson Parish of supplies and materials shall be quoted in the unit of measure specified and unless otherwise specified, shall be exclusive of state and local taxes. The price quoted for work shall be stated in figures. In the event there is a difference in unit prices and totals, the unit price shall prevail.

Quantities listed are for bidding purposes only. Actual requirements may be more or less than quantities listed.

Bidders are not to exclude from participation in, deny the benefits of, or subject to discrimination under any program or activity, any person in the United States on the grounds of race, color, national origin, or sex; nor discriminate on the basis of age under the Age Discrimination Act of 1975, or with respect to an otherwise qualified handicapped individual as provided in Section 504 of the Rehabilitation Act of 1973, or on the basis of religion, except that any exemption from such prohibition against discrimination on the basis of religion as provided in the Civil Rights Act of 1964, or Title VI and VII of the Act of April 11, 1968, shall also apply. This assurance includes compliance with the administrative requirements of the Revenue Sharing final handicapped discrimination provisions contained in Section 51.55 (c), (d), (e), and (k)(5) of the Regulations. New construction or renovation projects must comply with Section 504 of the 1973 Rehabilitation Act, as amended, in accordance with the American National Standard Institute's specifications (ANSI A17.1-1961).



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## INSTRUCTIONS FOR BIDDERS AND GENERAL CONDITIONS

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Jefferson Parish and its partners as the recipients of federal funds are fully committed to awarding a contract(s) to firm(s) that will provide high quality services and that are dedicated to diversity and to containing costs. Thus, Jefferson Parish strongly encourages the involvement of minority and/or woman-owned business enterprises (DBE's, including MBE's, WBE's and SBE's) to stimulate participation in procurement and assistance programs.

The purpose and intention of this invitation to bid is to afford all suppliers an equal opportunity to bid on all construction, maintenance, repair, operating supplies and/or equipment listed in this bid proposal. JEFFERSON PARISH WILL ACCEPT ONE BID ONLY FROM EACH VENDOR. Items bid must meet specifications.

Advertised bids will be tabulated and a copy of the tabulation will be forwarded to each responding bidder.

### IN ACCORDANCE WITH STATE REGULATIONS JEFFERSON PARISH OFFERS ELECTRONIC PROCUREMENT TO ALL VENDORS

This electronic procurement system allows vendors the convenience of reviewing and submitting bids online. This is a secure site and authorized personnel have limited read access only. Bidders are to submit electronically using this free service; while the website accepts various file types, one single PDF file containing all appropriate and required bid documents is preferred. Bidders submitting uploaded images of bid responses are solely responsible for clarity. If uploaded images/documents are not legible, then bidder's submission will be rejected. Please note all requirements contained in this bid package for electronic bid submission.

Please visit our E-Procurement Page at [www.jeffparishbids.net](http://www.jeffparishbids.net) to register and view Jefferson Parish solicitations. For more information, please visit the Purchasing Department page at <http://purchasing.jeffparish.net>.

The general specifications for construction projects and the purchase of materials, services and/or supplies are those adopted by the JEFFERSON PARISH Council by Resolution No. 136353 or 141125 as amended. The general conditions adopted by this resolution shall be considered as much a part of this document as if they were written wholly herein. A copy may be obtained from the Office of the Parish Clerk, Suite 6700, Jefferson Parish General Government Building, 200 Derbigny Street, Gretna, LA 70053. You may also obtain a copy by visiting the Purchasing Department webpage at <http://purchasing.jeffparish.net> and clicking on Online Forms.

### ADDITIONAL REQUIREMENTS FOR THIS BID

PLEASE MATCH THE NUMBERS PRINTED IN THIS BOX WITH THE CORRESPONDING INSTRUCTIONS BELOW.

**3, 4, 5, 6, 8, 10, 11, 13, 15**

1. All bidders must attend the MANDATORY pre-bid conference and will be required to sign in and out as evidence of attendance. In accordance with LSA R.S. 38:2212(I), all prospective bidders shall be present at the beginning of the MANDATORY pre-bid conference and shall remain in attendance for the duration of the conference. Any prospective bidder who fails to attend the conference or remain for the duration shall be prohibited from submitting a bid for the project.
2. Attendance to this pre-bid conference is optional. However, failure to attend the pre-bid conference shall not relieve the bidder of responsibility for information discussed at the conference. Furthermore, failure to attend the pre-bid conference and inspection does not relieve the successful bidder from the necessity of furnishing materials or performing any work that may be required to complete the work in accordance with the specification with no additional cost to the owner.
3. Contractor must hold current applicable JEFFERSON PARISH licenses with the Department of Inspection and Code Enforcement. Contractor shall obtain any and all permits required by the JEFFERSON PARISH Department of Inspection and Code Enforcement. The contractor shall be responsible for the payment of these permits. All permits must be obtained prior to the start of the project. Contractor must also hold any and all applicable Federal and State licenses. Contractor shall be responsible for the payment of these permits and shall obtain them prior to the start of the project.

## INSTRUCTIONS FOR BIDDERS AND GENERAL CONDITIONS

4. A LA State Contractor's License will be required in accordance with LSA R.S. 37-2150 et. seq. and such license number will be shown on the outside of the bid electronic envelope. Failure to comply will cause the bid to be rejected. When submitting the bid electronically, the license number must be entered in the appropriate field in the electronic procurement system. Failure to comply will cause the bid to be rejected.
5. It is the bidder's responsibility to visit the job site and evaluate the job before submitting a bid.
6. Job site must be clean and free of all litter and debris daily and upon completion of the contract. Passageways must be kept clean and free of material, equipment, and debris at all times. Flammable material must be removed from the job site daily because storage will not be permitted on the premises. Precaution must be exercised at all times to safeguard the welfare of JEFFERSON PARISH and the general public.
7. PUBLIC WORKS BIDS: All awards for public works in excess of \$5,000.00 will be reduced to a formal contract which shall be recorded at the contractor's expense with the Clerk of Court and Ex-Officio Recorder of Mortgages for the Parish of Jefferson. A price list of recordation costs may be obtained from the Clerk of Court and Ex-Officio Recorder of Mortgages for the Parish of Jefferson. All awards in excess of \$25,000.00 will require both a performance and a payment bond. Unless otherwise stated in the bid specifications, the performance bond requirements shall be 100% of the contract price. Unless otherwise state in the bid specifications, the payment bond requirements shall be 100% of the contract price. Both bonds shall be supplied at the signing of the contract.
8. NON-PUBLIC WORKS BIDS: A performance bond will be required for this bid. The amount of the bond will be 100% of the contract price unless otherwise indicated in the specifications. The performance bond shall be supplied at the signing of the contract.
9. NON-PUBLIC WORKS BIDS: A payment bond will be required for this bid. The amount of the bond will be 100% of the contract price unless otherwise indicated in the specifications. The payment bond shall be supplied at the signing of the contract.
10. All bidders must comply with the requirements stated in the attached "Standard Insurance Requirements" sheet attached to this bid solicitation. Failure to comply with this instruction will result in bid rejection.
11. A bid bond will be required with bid submission in the amount of 5% of the total bid, unless otherwise stated in the bid specifications. All sureties must be in original format (no copies) When submitting a bid online, vendors must submit an electronic bid bond through the respective online clearinghouse bond management system(s) as indicated in the electronic bid solicitation on Central Auction House. No scanned paper copies of any bid bond will be accepted as part of the electronic bid submission.
12. This is a requirements contract to be provided on an as needed basis. JEFFERSON PARISH makes no representations on warranties with regard to minimum guaranteed quantities unless otherwise stated in the bid specifications.
13. Freight charges should be included in total cost when quoting. If not quoted FOB DELIVERED, freight must be quoted as a separate item. Bid may be rejected if not quoted FOB DELIVERED or if freight charges are not indicated on bid form.
14. PUBLIC WORKS BIDS - Completed, Signed and Properly Notarized Affidavits Required; This applies to all solicitations for construction, alteration or demolition of public buildings or projects, in conformity with the provisions contained in LSA-RS 38:2212.9, LSA-RS 38:2212.10, LSA-RS 38:2224, and Sec 2-923.1 of the Jefferson Parish Code of Ordinances. For bidding purposes, all bidders must submit with bid submission COMPLETED, SIGNED and PROPERLY NOTARIZED Affidavits, including: Non-Conviction Affidavit, Non-Collusion Affidavit, Campaign Contribution Affidavit, Debt Disclosures Affidavit and E-Verify Affidavit. For the convenience of vendors, all affidavits have been combined into one form entitled PUBLIC WORKS BID AFFIDAVIT. This affidavit must be submitted in its original format, and without material alteration, in order to be compliant and for the bid to be considered responsive. A scanned copy of the completed, signed and properly notarized affidavit may be submitted with the bid, however, the successful bidder must submit the original affidavit in its original format and without material alteration upon contract execution. Failure to comply will result in the bid submission being rejected as non-responsive. The Parish reserves the right to award bid to the next lowest responsive and responsible bidder in this event.

## INSTRUCTIONS FOR BIDDERS AND GENERAL CONDITIONS

15. NON PUBLIC WORK BIDS - Completed, Signed and Properly Notarized Affidavits Required in conformity with the provisions contained in LSA – RS 38:2224 and Sec 2-923.1 of the Jefferson Parish Code of Ordinances. For bidding purposes, all bidders must submit with bid submission COMPLETED, SIGNED and PROPERLY NOTARIZED Affidavits, including: Non-Collusion Affidavit, Debt Disclosures Affidavit and Campaign Contribution Affidavit. For the convenience of vendors, all affidavits have been combined into one form entitled NON PUBLIC WORKS BID AFFIDAVIT. This affidavit must be submitted in its original format, and without material alteration, in order to be compliant and for the bid to be considered responsive. A scanned copy of the completed, signed and properly notarized affidavit may be submitted with the bid, however, the successful bidder must submit the original affidavit in its original format and without material alteration upon contract execution. Failure to comply will result in the bid submission being rejected as non-responsive. The Parish reserves the right to award bid to the next lowest responsive and responsible bidder in this event.

16. The ensuing contract for this bid solicitation may be eligible for FEMA reimbursement and/or Federal funding/reimbursement. As such, the referenced appendix will be applicable accordingly and shall be considered a part of the bid documents. All applicable certifications must be duly completed, signed and submitted as per the appendix instructions. Failure to submit applicable certifications per the appendix instructions will result in bid rejection.

17. For this project, the Contractor shall not pay any state or local sales or use taxes on materials and equipment which are affixed and made part of the immovable property of the project or which is permanently incorporated in the project (hereinafter referred to as "applicable materials and equipment."). All purchases of applicable materials or equipment shall be made by the contractor on behalf of and as the agent of Jefferson Parish (Owner), a political subdivision of the State of Louisiana. No state and local sales and use taxes are owed on applicable materials and equipment under the provisions of Act 1029 of the 1991 Regular Session - Louisiana Revised Statute 47:301(8)(c). Owner will furnish to contractor a certificate form which certifies that Owner is not required to pay such state or local sales and use taxes, and contractor shall furnish a copy of such certificate to all vendors or suppliers of the applicable materials and equipment, and report to Owner the amount of taxes not incurred.

It shall be the duty of every parish officer, employee, department, agency, special district, board, and commission: and the duty of every contractor, subcontractor, and licensee of the parish, and the duty of every applicant for certification of eligibility for a parish contract or program, to cooperate with the Inspector General in any investigation, audit, inspection, performance review, or hearing pursuant to JPCO 2-155.10(19). By signing this document, every corporation, partnership, or person contracting with PARISH, whether by cooperative endeavor, intergovernmental agreement, bid, proposal, application or solicitation for a parish contract, and every application for certification of eligibility for a parish contract or program, attests that it understands and will abide by all provisions of JPCO 2-155.10.

DATE: 10/04/2023

Page: 6

BID NO.: 50-00143649

**BID FORM**  
Non Public Works

**All Public Work Projects are required to use the Louisiana Uniform Public Work Bid Form**

All prices must be held firm unless an escalation provision is requested in this bid. Jefferson Parish will allow one escalation during the term of the contract, which may not exceed the U.S. Bureau of Labor Statistics National Index for all Urban Consumers, unadjusted 12 month figure. The most recently published figure issued at the time an adjustment is requested will be used. A request must be made in writing by the vendor, and the escalation will only be applied to purchases made after the request is made.

Are you requesting an escalation provision?

YES \_\_\_\_\_ NO X

MAXIMUM ESCALATION PERCENTAGE REQUESTED \_\_\_\_\_%

INITIAL BID PRICES WILL REMAIN FIRM THROUGH THE DATE OF \_\_\_\_\_.

For the purposes of comparison of bids when an escalation provision is requested, Jefferson Parish will apply the maximum escalation percentage quoted by the bidder to the period to which it is applied in the bid. The initial price and the escalation will be used to calculate the total bid price. It will be assumed, for comparison of prices only, that an equal amount of material or labor is purchased each month throughout the entire contract.

**DELIVERY: FOB JEFFERSON PARISH**

INDICATE DELIVERY DATE ON EQUIPMENT AND SUPPLIES \_\_\_\_\_

LOUISIANA CONTRACTOR'S LICENSE NO.: (if applicable) 40133

**THIS SECTION MUST BE COMPLETED BY BIDDER:**

FIRM NAME: Tower Construction, LLC

ADDRESS: 410 Sala ave

CITY, STATE: Westwego, LA ZIP: 70094

TELEPHONE: (504) 348-0609 FAX: ( ) \_\_\_\_\_

EMAIL ADDRESS: greg@towers.construction

In the event that addenda are issued with this bid, bidders MUST acknowledge all addenda on the bid form. Bidder must acknowledge receipt of an addendum on the bid form by placing the addendum number as indicated. Failure to acknowledge any addendum on the bid form will result in bid rejection.

Acknowledge Receipt of Addenda: NUMBER: \_\_\_\_\_

NUMBER: \_\_\_\_\_

NUMBER: \_\_\_\_\_

NUMBER: \_\_\_\_\_

TOTAL PRICE OF ALL BID ITEMS: \$ 67,160.00

AUTHORIZED SIGNATURE: Ray R. Torres

TITLE: President

Ray Torres  
Printed Name

SIGNING INDICATES YOU HAVE READ AND COMPLY WITH THE INSTRUCTIONS AND CONDITIONS.

**NOTE: All bids should be returned with the BID NUMBER and BID OPENING DATE indicated on the outside of the envelope submitted to the Purchasing Department.**

DATE: 10/04/2023

Page 7

## INVITATION TO BID FROM JEFFERSON PARISH - continued

BID NO.: 50-00143649

SEALED BID

ITEM NUMBER	QUANTITY	U/M	DESCRIPTION OF ARTICLES	UNIT PRICE QUOTED	TOTALS
1	1.00	JOB	<p>Supply and Install a Fully Integrated Building Management System (BMS) at the Jefferson Parish Emergency Operation and Communication Center</p> <p>0010 - PROPOSAL TO PROVIDE LABOR, MATERIALS, EQUIPMENT, TRANSPORTAION AND ALL OTHER INCIDENTALS NECESSARY TO SUPPLY AND INSTALL ONE (1) NEW FULLY INTEGRATED BUILDING MAINTENANCE SYSTEM (BMS) AT THE JEFFERSON PARISH EMERGENCY OPERATIONS AND COMMUNICATIONS CENTER LOCATED AT 910 3RD ST, GRETNA LA 70053</p>	<del>\$ 67,160.<sup>00</sup></del>	<del>\$ 67,160.<sup>00</sup></del>

# Bid Bond

An Electronic Bid Bond must be submitted with this bid, through one of the respective clearing houses at [www.jeffparish.net](http://www.jeffparish.net) or [www.centralbidding.com](http://www.centralbidding.com). To access the bonding companies on Central Bidding, hover over the "Central Bidding" link at the top of the page and select the "Bid Bonds" link.

The electronic bid bond number is to be placed in the required section listed on the standard envelope. Scanned copies of bid bonds will not be accepted with your submission.



**\$41.6 Billion**  
**38,136 Bid**  
**Opportunities**  
**18,123 Vendors**  
**568 Agencies**

Browse Thousands of Public Bids today!

Central Bidding founded in 2009 is one of the largest providers of electronic bidding services to public and private buying entities. Vendors have trusted Central Bidding to securely deliver more than \$41.6 Billion worth of electronic bids for more than 400 buying entities since their founding. Central Bidding works under exclusive contract with each of these buying entities and in each instance Central Bidding is the only official electronic location to receive the bid documents, the automated updates and allowance of electronic bids.

[Learn More >](#)

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## CORPORATE RESOLUTION

EXCERPT FROM MINUTES OF MEETING OF THE BOARD OF DIRECTORS OF  
Towers Construction, LLC  
INCORPORATED.

AT THE MEETING OF DIRECTORS OF Towers Construction, LLC  
INCORPORATED, DULY NOTICED AND HELD ON 10-29-23,  
A QUORUM BEING THERE PRESENT, ON MOTION DULY MADE AND SECONDED. IT  
WAS:

RESOLVED THAT Ray Torres, BE AND IS HEREBY  
APPOINTED, CONSTITUTED AND DESIGNATED AS AGENT AND ATTORNEY-IN-  
FACT OF THE CORPORATION WITH FULL POWER AND AUTHORITY TO ACT ON  
BEHALF OF THIS CORPORATION IN ALL NEGOTIATIONS, BIDDING, CONCERNS  
AND TRANSACTIONS WITH THE PARISH OF JEFFERSON OR ANY OF ITS AGENCIES,  
DEPARTMENTS, EMPLOYEES OR AGENTS, INCLUDING BUT NOT LIMITED TO, THE  
EXECUTION OF ALL BIDS, PAPERS, DOCUMENTS, AFFIDAVITS, BONDS, SURETIES,  
CONTRACTS AND ACTS AND TO RECEIVE ALL PURCHASE ORDERS AND NOTICES  
ISSUED PURSUANT TO THE PROVISIONS OF ANY SUCH BID OR CONTRACT, THIS  
CORPORATION HEREBY RATIFYING, APPROVING, CONFIRMING, AND ACCEPTING  
EACH AND EVERY SUCH ACT PERFORMED BY SAID AGENT AND ATTORNEY-IN-  
FACT.

I HEREBY CERTIFY THE FOREGOING TO BE  
A TRUE AND CORRECT COPY OF AN  
EXCERPT OF THE MINUTES OF THE ABOVE  
DATED MEETING OF THE BOARD OF  
DIRECTORS OF SAID CORPORATION, AND  
THE SAME HAS NOT BEEN REVOKED OR  
RESCINDED.

Karen McDaniel  
SECRETARY-TREASURER

10/30/23  
DATE

## **Non-Public Works Bid Affidavit Instructions**

- **Affidavit is supplied as a courtesy to Affiants, but it is the responsibility of the affiant to insure the affidavit they submit to Jefferson Parish complies, in both form and content, with federal, state and parish laws.**
- **Affidavit must be signed by an authorized representative of the entity or the affidavit will not be accepted.**
- **Affidavit must be notarized or the affidavit will not be accepted.**
- **Notary must sign name, print name, and include bar/notary number, or the affidavit will not be accepted.**
- **Affiant MUST select either A or B when required or the affidavit will not be accepted.**
- **Affiants who select choice A must include an attachment or the affidavit will not be accepted.**
- **If both choice A and B are selected, the affidavit will not be accepted.**
- **Affidavit marked N/A will not be accepted.**
- **It is the responsibility of the Affiant to submit a new affidavit if any additional campaign contributions are made after the affidavit is executed but prior to the time the council acts on the matter.**

*Instruction sheet may be omitted when submitting the affidavit*



Non-Public Works Bid

AFFIDAVIT

STATE OF LOUISIANA

PARISH/COUNTY OF JEFFERSON

BEFORE ME, the undersigned authority, personally came and appeared: Ray  
Torres, (Affiant) who after being by me duly sworn, deposed and said that  
he/she is the fully authorized Ray Torres of Towers Construction, LLC (Entity),  
the party who submitted a bid in response to Bid Number 5000143649, to the Parish of  
Jefferson.

Affiant further said:

Campaign Contribution Disclosures

**(Choose A or B, if option A is indicated please include the required attachment):**

Choice A \_\_\_\_\_ Attached hereto is a list of all campaign contributions, including the date and amount of each contribution, made to current or former elected officials of the Parish of Jefferson by Entity, Affiant, and/or officers, directors and owners, including employees, owning 25% or more of the Entity during the two-year period immediately preceding the date of this affidavit or the current term of the elected official, whichever is greater. Further, Entity, Affiant, and/or Entity Owners have not made any contributions to or in support of current or former members of the Jefferson Parish Council or the Jefferson Parish President through or in the name of another person or legal entity, either directly or indirectly.

Choice B X there are **NO** campaign contributions made which would require disclosure under Choice A of this section.

Debt Disclosures

**(Choose A or B, if option A is indicated please include the required attachment):**

Choice A \_\_\_\_\_ Attached hereto is a list of all debts owed by the affiant to any elected or appointed official of the Parish of Jefferson, and any and all debts owed by any elected or appointed official of the Parish to the Affiant.

Choice B X There are **NO** debts which would require disclosure under Choice A of this section.

Affiant further said:

That Affiant has employed no person, corporation, firm, association, or other organization, either directly or indirectly, to secure the public contract under which he received payment, other than persons regularly employed by the Affiant whose services in connection with the construction, alteration or demolition of the public building or project or in securing the public contract were in the regular course of their duties for Affiant; and

*[The remainder of this page is intentionally left blank.]*

That no part of the contract price received by Affiant was paid or will be paid to any person, corporation, firm, association, or other organization for soliciting the contract, other than the payment of their normal compensation to persons regularly employed by the Affiant whose services in connection with the construction, alteration or demolition of the public building or project were in the regular course of their duties for Affiant.

Ray R. Torres  
Signature of Affiant

RAY R. TORRES  
Printed Name of Affiant

SWORN AND SUBSCRIBED TO BEFORE ME  
ON THE 30<sup>th</sup> DAY OF October, 2023.

Ericka Liner  
Notary Public

Ericka Liner  
Printed Name of Notary

128457  
Notary/Bar Roll Number

My commission expires with Life.



ERICKA LINER ID #128457  
NOTARY PUBLIC  
STATE OF LOUISIANA  
PARISH OF LAFOURCHE  
MY COMMISSION IS FOR LIFE

## **STANDARD INSURANCE REQUIREMENTS FOR BIDDING PURPOSES**

All required insurance under this bid shall conform to Jefferson Parish Resolution No. 113646 or No. 113647, as applicable. Contractors may not commence any work under any ensuing contract unless and until all required insurance and associated evidentiary requirements thereto have been met, along with any additional specifications contained in the **Invitation to Bid**. Except as where otherwise precluded by law, the Parish Attorney or his designee, with the concurrence of the Director of Risk Management or his designee, may agree on a case-by-case basis, to deviate from Jefferson Parish's standard insurance requirements, as provided in this Section. Vendors requesting deviation therefrom shall submit such requests in writing, along with compelling substantiation, to the Purchasing Department prior to the bid's due date. Any changes to the insurance requirements will be reflected in the bid specifications and addenda. Prior to contract execution and at all times thereafter during the term of such contract, contractors must provide and continuously maintain all coverages as required by the foregoing Resolutions, and the contract documents. Failure to do so shall be grounds for suspension, discontinuation or termination of the contract.

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For bidding purposes, bidders must submit with bid submission a current (valid) insurance certificate evidencing the required coverages. Failure to comply will cause bid to be rejected. The current insurance certificate will be used for proof of insurance at time of evaluation. Thereafter, and prior to contract execution, the low bidder will be required to provide final insurance certificates to the Parish which shall name **the Jefferson Parish, its Districts Departments and Agencies under the direction of the Parish President and the Parish Council** as additional insureds regarding negligence by the contractor for the Commercial General Liability and the Comprehensive Automobile Liability policies. Additionally, said certificates should reflect the name of the Parish Department receiving goods and services and reference the respective Jefferson Parish bid number.

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## **JEFFERSON PARISH REQUIRED STANDARD INSURANCE**

### **☒ WORKER'S COMPENSATION INSURANCE**

As required by Louisiana State Statute, exception; Employer's Liability, Section B shall be \$1,000,000 per occurrence when Work is to be over water and involves maritime exposures to cover all employees not covered under the State Worker's Compensation Act, otherwise this limit shall be no less than \$500,000 per occurrence.

**Note:** If your company is not required by law to carry workmen's compensation insurance, i.e. not a Louisiana company, sole employee of the company, then bidders must request a workmen's compensation insurance declaration affidavit prior to the bid opening date. This insurance declaration affidavit must be fully completed, signed, properly notarized and submitted with the bid. A scanned copy may be submitted with the bid; however, the successful bidder must submit the original affidavit in its original format and without material alteration upon contract execution. Failure to comply will result in the bid submission being

rejected as non-responsive. The Parish reserves the right to award bid to the next lowest responsive and responsible bidder in this event.

☒ **COMMERCIAL GENERAL LIABILITY**

Shall provide limits not less than the following: \$1,000,000.00 Combined Single Limit per Occurrence for bodily injury and property damage.

☒ **COMPREHENSIVE AUTOMOBILE LIABILITY**

Bodily injury liability \$1,000,000.00 each person; \$1,000,000.00 each occurrence.  
Property Damage Liability \$1,000,000.00 each occurrence.

**Note:** This category may be omitted if bidders do not/will not utilize company vehicles for the project or do not possess company vehicles. Bidder must request an automobile insurance declaration affidavit prior to the bid opening date. This insurance declaration affidavit must be fully completed, signed, properly notarized and submitted with the bid. A scanned copy of the completed, signed and properly notarized affidavit may be submitted with the bid; however, the successful bidder must submit the original affidavit in its original format and without material alteration upon contract execution. Failure to comply will result in the bid submission being rejected as non-responsive. The Parish reserves the right to award bid to the next lowest responsive and responsible bidder in this event.

**DEDUCTIBLES** - The Parish Attorney with concurrence of the Director of Risk Management have waived the deductible section of the Terms and Conditions for all Invitations to Bid, until further notice.

**UMBRELLA LIABILITY COVERAGE**

An umbrella policy or excess may be used to meet minimum requirements.

**FOR CONSTRUCTION AND RENOVATION PROJECTS:**

The following are required if selected below. Such insurance is due upon contract execution.

☐ **OWNER'S PROTECTIVE LIABILITY**

To be for the same limits of liability for bodily injury and property damage liability established for commercial general liability.

☐ **BUILDER'S RISK INSURANCE**

The contractor shall maintain Builder's Risk Insurance at his own expense to insure both the owner (Parish of Jefferson) and contractor as their interest may appear.



Greg Granier

Towers Construction, LLC

410 Sala Ave

Westwego, LA 70094

RE: Supply and Install a Fully Integrated Building Management System (BMS) at the Jefferson Parish  
Emergency Operation and Communication Center (5000143649)

Dear Mr. Granier,

Synergy Building Solutions is pleased to provide the information as per requested by "Section 5.0 Submittals" (see below for reference).

***Section 5.0 Submittals***

*If the bidder intends to provide materials equal to or better than owner-specified materials, the following shall be provided with the bid submission. Provide the requested information with your bid to ensure the bid is deemed responsive.*

- *Manufacturer's catalog data*
- *Detail sheets*
- *Specifications of product*
- *Warranty information*

Synergy Building Solutions intends to use Alerton products, and as the manufacturer's representative, we have provided the requested product information on the following pages as well as the required warranty.



October 31, 2023

Greg Granier

Towers Construction, LLC

410 Sala Ave

Westwego, LA 70094

RE: Jefferson Parish Emergency Operation and Communication Center Warranty Letter

Synergy Building Solutions is pleased to provide this warranty letter for the Building Automation System (BAS) at Jefferson Parish Emergency Operation and Communication Center. The warranty will commence on the date of final acceptance or of beneficial use.

Upon the start of the warranty, all BAS equipment is guaranteed to be free from defects in material and workmanship for a period of five (5) years. The warranty shall include the adjustment and repair of the system, including all personal computer equipment, printers, controllers, transmission equipment, and all sensors and control devices. The warranty period shall be for five years (60) month period commencing on the date of final acceptance or of beneficial use. Performance Bond will only require one (1) year standard warranty. Installation and programming of software upgrades for all programs shall be included for five (5) years following final acceptance and the completion of the project at no additional cost to Jefferson Parish. Warranty service will be performed during our normal working hours Monday through Friday, not including holidays.

Should you have any questions on this matter, please contact our office.

Sincerely,

Jody Torres

Owner



# COMPASS 2

Alerton's Compass Supervisor provides an intuitive, scalable user experience. Compass delivers customizable navigation, visual system cues, quick access to data, user security, advanced scheduling, alarm management and graphical representation of single or multiple buildings' systems. These features enable building operators and facility engineers to quickly identify and resolve system issues, while improving efficiencies and reduce budgets through an advanced scheduling interface.

Graphical controls bring data to life. The adaptive OmniGraphic images transform background images into interactive controls to visually communicate and indicate system status and occupant comfort levels. Experienced users have access to advanced features such as the summary display, which can provide a wide variety of complex, interactive data on one screen. Seamlessly converts Alerton legacy graphics (bitmaps) to HTML 5 format, enabling you to quickly integrate graphical content to the web without using Flash and third-party plug-ins.

Compass offers a sophisticated tool set to support any mission-critical facility, including those requiring FDA CFR21 compliance. Enhanced reporting and a secure SQL Database allow the generation of compliance reports, while LDAP authentication enables the scheduling of secure emails. With improved localization feature, multiple Web-UI users can connect to the same Compass System using their native language and comfortable numeric formats. An interactive table of data (Summary Page) allows users to sort tables and edit the value of multiple points in a single operation. Provides detailed User Activity Log allows a full audit trail of all changes made to the system.

Compass is a powerful, dynamic interface enabling users to monitor and control their facilities from anywhere, at any time. Compass incorporates the latest browser technology and is truly a marriage of current technologies and building automation - offering an unparalleled user experience.

## ENERGY MANAGEMENT

**Trendlogs:** View trendlogs in graph or text format with multiple points per log. Archived in database format for compatibility with office applications.

**Energy logs:** Hourly or daily energy use and demand displayed in text format. Archived in database format for compatibility with office applications.

**Demand limiting:** Flexible demand metering supports various media. Shed and restore binary and analog loads according to load priority. Base strategies on time of day or season. View results in the real time.

## FEATURES AND BENEFITS



## NEW WITH COMPASS 2

- The new Installation and Configuration tool helps to reduce the install or upgrade time to complete sites efficiently.
- Alarm and Trendlog Builder: New efficient way to efficiently create and edit multiple Alarms and Trendlogs work-flow at a time.
- EASE Scheduling is now included as a standard feature in Compass 2.
- Updated Compass architecture makes BACnet data available faster in the Web-UI, improving data display performance.



### EASY TO USE

Powerful alarm management through interactive alarm table allowing for sorting, filtering, categorizing, and commenting. Configurable tree-style navigation provides intuitive and guided browsing sessions. LDAP integration for managing user authentication.



### MANAGEMENT

A wide range of building management tools are available, including Display capability, Scheduling, Alarms, Optimum start, Tenant activity, Zones, Reporting and printing, Auto archiving, Job merge, and VisualLogic® programming tool.



### DYNAMIC

Create systems that are easy to upgrade and improve. Build dynamic graphics faster and easier with Compass' isometric graphics library. Supports multiple graphic formats and sizes.

**ALERTON**



# TECHNICAL DATA

## CONNECTIVITY

PARAMETER	DESCRIPTION
Supported Protocols	BACnet/Ethernet, BACnet/IPv4 and BACnet/IPv6; can be configured to act as a BACnet Broadcast Management Device (BBMD).
Supported Browsers <sup>(A)</sup>	<ul style="list-style-type: none"> <li>• Chrome (latest version) <sup>(A)</sup></li> </ul>
Supported MS-SQL Versions <sup>(B)</sup>	<ul style="list-style-type: none"> <li>• MS-SQL Server 2019</li> <li>• MS-SQL Server 2017</li> <li>• MS-SQL Server 2016</li> <li>• MS-SQL Server 2014 SP3</li> </ul> (The above include Express, Standard, and Enterprise versions)
Visio Compatibility	<ul style="list-style-type: none"> <li>• Visio 2016 Standard or Pro (32 bit)</li> <li>• Visio 2019 Standard or Pro (32 bit)</li> </ul>

<sup>(A)</sup> Compass is designed, developed, and tested to function best using the Chrome browser. Other browsers may be compatible; however, Alerton strongly recommends the Chrome browser.

<sup>(B)</sup> If the MS-SQL Server and Compass are installed onto the same machine, the memory must be increased by 4GB - 16GB (depending on the version) and you may require additional storage capacity.

## SERVICE MAINTENANCE AGREEMENT

New and upgrade Compass licenses come with 30 months of Software Maintenance Agreement (SMA). Please refer to the Order Codes list for further Software Maintenance Agreement as per license size.

ORDER CODES	DESCRIPTION
COMPASS-2-SMAXXS	Software Maintenance Agreement (SMA) for Extra-Extra Small license (1 year)
COMPASS-2-SMAXS	SMA for Extra Small license (1 year)
COMPASS-2-SMASM	SMA for Small license (1 year)
COMPASS-2-SMAMD	SMA for Medium license (1 year)
COMPASS-2-SMALG	SMA for Large license (1 year)
COMPASS-2-SMAXL	SMA for Extra-Large license (1 year)
COMPASS-2-SMAENT	SMA for Enterprise license (1 year)

## ORDERING INFORMATION AND COMPUTER REQUIREMENTS

ORDER CODES	DESCRIPTION	CPU CORES <sup>(1)</sup>	MEMORY <sup>(1)</sup>	OPERATING SYSTEM
COMPASS-2-XXS	Compass 2, Extra-Extra Small license, support up to 10 BACnet devices	Quad-core	8 GB	Windows 11 (Pro/Ent) <sup>(3)</sup>
COMPASS-2-XS	Compass 2, Extra-Small license, supports up to 25 BACnet devices	Quad-core	8 GB	
COMPASS-2-SM	Compass 2, Small license, supports up to 50 BACnet devices	Quad-core	8 GB	
COMPASS-2-MD	Compass 2, Medium license, supports up to 150 BACnet devices	Quad-core	8 GB	
COMPASS-2-LG	Compass 2, Large license, support up to 450 BACnet devices	Quad-core	16 GB	
COMPASS-2-XL	Compass 2, Extra-large license, support up to 1000 BACnet devices	Eight-core	16 GB	
COMPASS-2-ENT	Compass 2, Enterprise license, support up to 3000 BACnet devices <sup>(2)</sup>	16-core	32 GB	
COMPASS-2-UPGTOXXS	Upgrade to Compass 2 Extra-Extra Small (Up to 10)	Quad-core	8 GB	64-bit Windows 10 (Pro/Ent) <sup>(3)</sup>
COMPASS-2-UPGTOXS	Upgrade to Compass 2 Extra-Small (Up to 25)	Quad-core	8 GB	
COMPASS-2-UPGTOSM	Upgrade to Compass 2 Small (Up to 50)	Quad-core	8 GB	
COMPASS-2-UPGTOMD	Upgrade to Compass 2 Medium (Up to 150)	Quad-core	8 GB	Windows Server 2022
COMPASS-2-UPGTOLG	Upgrade to Compass 2 Large (Up to 450)	Quad-core	16 GB	
COMPASS-2-UPGTOXL	Upgrade to Compass 2 Extra-Large (Up to 1000)	Eight-core	16 GB	Windows Server 2019
COMPASS-2-UPGTOENT	Upgrade to Compass 2 Enterprise (Up to 3000 <sup>(2)</sup> )	16-core	32 GB	Windows Server 2016
COMPASS-2-UXS <sup>(4)</sup>	Upsize from Compass-2-XXS to Compass-2-Extra Small (Up to 25)	Quad-core	8 GB	
COMPASS-2-USM <sup>(4)</sup>	Upsize from Compass-2-Extra Small to Compass-2-Small (Up to 50)	Quad-core	8 GB	
COMPASS-2-UMD <sup>(4)</sup>	Upsize from Compass-2-Small to Compass-2-Medium (Up to 150)	Quad-core	8 GB	
COMPASS-2-ULG <sup>(4)</sup>	Upsize from Compass-2-Medium to Compass-2-Large (Up to 450)	Quad-core	8 GB	
COMPASS-2-UXL <sup>(4)</sup>	Upsize from Compass-2-Large to Compass-2-Extra-Large (Up to 1000)	Eight-core	16 GB	
COMPASS-2-UENT <sup>(4)</sup>	Upsize from Compass-2-Extra-Large to Compass-2-Enterprise (Up to 3000 <sup>(2)</sup> )	16-core	32 GB	

<sup>(1)</sup> CPU Cores and Memory recommendations are minimums - increasing the number of cores, and the amount of memory improves performance and provides a better user experience. Additional memory is recommended for projects with many concurrent users, displays, or templates. For example, a project with ten or more users and 100 or more displays and templates may need additional memory.

<sup>(2)</sup> The number of supported devices in the Enterprise model can be extended in 1000 device increments by applying one or more device packs at any time (COMPASS-2-ENTDP).

<sup>(3)</sup> The web-server (IIS) provided in Windows 10 and Windows 11 (Professional or Enterprise versions) has a limitation of 10 concurrent browser sessions, i.e. total number of browser sessions/tabs open across all logged in users. If there is a requirement to have more than 10 concurrent browser sessions, install Compass on a supported Windows Server OS (Server 2016, 2019, or 2022).

<sup>(4)</sup> Upsize licenses do not include an additional Software Maintenance Agreement.

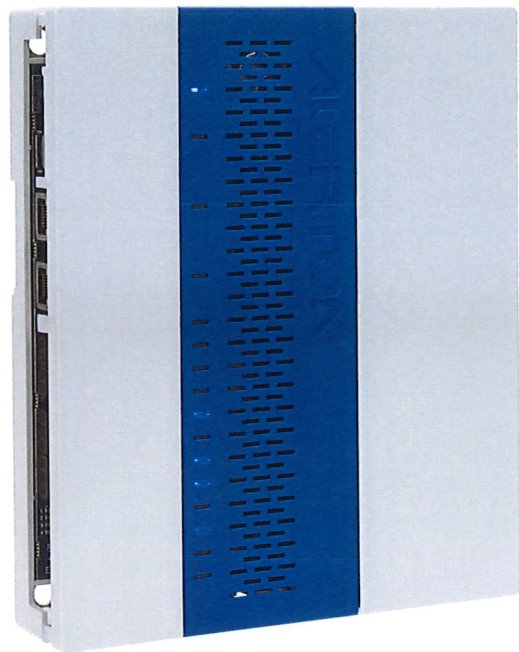
### ALERTON

715 Peachtree St NE  
Atlanta, Georgia 30308  
[alerton.com](http://alerton.com)

31-00524-01 | 2023-06  
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**ALERTON**





## ACM GLOBAL CONTROLLER

The backbone of Alerton's BACtalk™ Ascent product line, the Ascent Control Module (ACM) is the industry's most agile controller in its class. It combines Alerton's pioneering and proven BACnet® capability with Tridium's® Niagara Framework® flexibility.

It provides a powerful assortment of features such as multiple global controller instances, and multiple communication networks.

The ACM can incorporate up to six (6) global controller instances and supports up to six (6) MS/TP trunks or EIA-485 LANs, consolidating the functionality of these controllers into a single configurable platform, and exceeding the functionality of six individual devices.

Two onboard Ethernet ports support 10/100/1000 Mbps Ethernet connections to the BACnet network or for NiagaraAX integration protocols such as LON IP, ModbusTCP, and SNMP.

Easy to add option cards offer scalability for additional communication trunks as needed using the two slots available on the ACM. For example, you can use one option card slot for additional BACnet communication and the second card slot for LON communication by simply adding a dual 485 card and a LON card, respectively.

The ACM's quad-core processor future-proofs the system by providing high DDC execution speed for all the computing power you need. Two-direction DIN channel and direct panel mount options enable you to mount the ACM in different positions for the best fit.

The ACM hosts automation features such as schedules, calendars, trendlogs, alarms, zones and demand limiting.

## FEATURES AND HIGHLIGHTS

### SCALABLE

- Supports up to six EIA-485, EIA-232 or LON LANs.

### INTEROPERABLE

- Supports the BACnet Protocol on Ethernet, BACnet IP and MS/TP, as well as many Niagara<sup>AX</sup> supported protocols.

### ENTERPRISE READY

- Supports BACnet/IP and can operate as a BACnet broadcast management device (BBMD) with NAT support for integration on enterprise and wide-area networks.

### POWERFUL

- Powered by a high-speed, quad-core CPU based on the ARM® Cortex™-A9 architecture. 1 GB DDR3 SDRAM provides a fast, reliable platform for running DDC programming and global automation routines.

### SEGMENTED DDC CODE

- Allows multiple DDC program instances to run within a single controller, providing the ability to logically group sub-systems, improve uptime by enabling service on one system without impacting another, and maximizing flexibility in programming configuration.

## TECHNICAL DATA

**POWER** - 24 VAC @ 40 VA, 47–63 Hz, full-wave rectified.

**DATA BACKUP/STORAGE** - One removable microSD card.

**PROCESSOR AND MEMORY** - Efficient, high-speed, quad-core CPU based on the ARM® Cortex™-A9 architecture (Freescale i.MX6Quad).

**REAL-TIME CLOCK** - Provides system date and time.

**BACNET/IP** - IP support for interoperability on enterprise and WANs. Functions as up to four BACnet broadcast management devices (BBMDs) in accordance with Annex J BACnet/IP. Supports Alerton and BACnet Standard network address translation (NAT) implementations.

**MS/TP** - Supports two onboard networks that can be used for BACnet MS/TP or EIA-485 and up to two expansion cards (two networks each) for a maximum of six BACnet MS/TP networks per ACM.

**EXPANSION** - Supports up to two expansion cards for interface adapters, such as EIA-485, EIA-232 and LON.

**PERSISTENT MEMORY** - 1MB SRAM, one microSD card.

**COMMUNICATIONS** - Provides two Ethernet ports, two onboard 485 networks, two expansion cards give the ability to add up to four additional networks (for a total of six), or two 232 networks, or two LONworks networks.

*Specifications subject to change without notice.*

**MOUNTING** - 35mm DIN rail, either vertical or horizontal orientation.

**DIMENSIONS** - 7-1/4 W x 8-9/16 H x 1-11/16 D (inches)  
185 W x 220 H x 44 D (millimeters); fits 12 x 12 x 4 (inch) panel enclosure.

**ENVIRONMENTAL** - -4 to 149 °F (-20 to 65 °C), without battery, 32 to 122 °F (0 to 50 °C), with battery; 0 to 95% RH, non condensing.

**BACNET CONFORMANCE** - B-BC level device.

**PLATFORM** - Linux.

**ETHERNET** - Two integrated 8P8C modular connectors for use with two 10Base-T, 100Base-TX, and 1000Base-T Ethernet networks.

**NETWORKING** - Supports both BACnet and Alerton network address translation (NAT).

**SOFTWARE** - Programming interface is the Alerton Compass operator workstation software.

#### **CERTIFICATIONS AND STANDARDS**

- ROHS compliant
- Applicable CE requirements
- FCC Class B
- IEC 60703
- C-Tick listed
- UL 916 for open energy management equipment.

## **ORDERING INFORMATION\***

### **ITEM NUMBER**

ACM

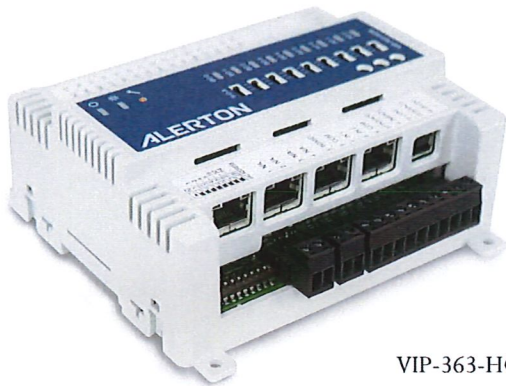
Ascent Control Module

\*IMPORTANT! There are a many ACM options for dealers who want specific license quantities. Please check the Alerton Support Network at [asn.alerton.com](http://asn.alerton.com) for a complete list.

**INNOVATIVE  
NEW GLOBAL  
CONTROLLER  
WITH EXTENSIVE  
FLEXIBILITY.**







VIP-363-HOA

### VIP-363-HOA

The VIP-363-HOA is designed for central plant systems, air handling units, clean rooms, fume hoods, large terminal units, and similar control and process equipment.



VIP-363-VAV

### VIP-363-VAV

The VIP-363-VAV is designed for pressure-independent control of any single-duct variable air volume (VAV) box; it is ideally suited for critical environment applications such as Laboratory Airflow Tracking, Critical Patient Rooms, Operating Rooms, and other applications requiring precise control of airflows.

The VIP-363-VAV has a field replaceable integral airflow sensor. The airflow sensor is factory calibrated at multiple velocity points. Minimum, maximum, and reheat airflows can be entered using a Microset wall unit or compatible operator workstation software.

The Alerton® VisualLogic® IP Controller (VIP) is a BACnet Building Controller (B-BC) with a real-time clock, high resolution 16-bit universal inputs and outputs, and a 32-bit processor. The VIP controllers include on-board Hand-Off-Auto (HOA) switches for all outputs. It can operate as a stand-alone controller using its own real-time clock.

As a native BACnet B-BC, the VIP controllers integrate seamlessly with your BACnet system, communicating at up to 1000Mbps on BACnet/Ethernet, BACnet/IPv4, or BACnet/IPv6 networks. The VIP controllers have an integral 4-port switch that supports star, daisy-chain, and ring network topologies in addition to Rapid Spanning Tree Protocol (RSTP). Switch ports can be enabled/disabled.

The VIP controllers support the Alerton Microtouch™, as well as the BACtalk® Microset, Microset II, and Microset 4 intelligent wall sensors, which offer convenient data display, setpoint adjustment, and technician access to equipment setup parameters.

All control logic is programmed using Alerton's easy-to-learn graphical programming language, VisualLogic®. The VIP controllers can execute more complex calculations to meet the needs of increasingly demanding sequences of operations for building systems. Programming and setup data are stored in non-volatile flash memory, ensuring stable and reliable operation.

The VIP controllers host automation features such as schedules, trendlogs, alarms, and zones.

The VIP-363-HOA model supports up to eight expansion input/output modules VXIO-322-HOA and VXIO-965-HOA. The VIP-363-VAV does not support the VXIO modules.

#### VIP-363

UI	BO	UIO	AF
UNIVERSAL INPUTS	BINARY OUTPUTS	UNIVERSAL INPUTS/OUTPUTS (selectable between UI and AO)	AIR-FLOW SENSOR (VIP-363-VAV only)
3	6	3	1



## TECHNICAL DATA

**POWER** – 20 to 30 VAC @ 50-60 Hz. 50 VA minimum (maximum 100 VA across all BO loads). Half-wave rectified. See IMPORTANT NOTE below.

**INPUTS** – 16-bit universal inputs accept 10k thermistor (type II and III), dry contact, 1k platinum RTD, 0-20 mA, 0-10 V, or dry-contact pulse. External resistor required for 0-20 mA. Pulse input maximum frequency of 100 Hz. Pulse input minimum duty cycle 5ms ON / 5ms OFF.

**POWER OUTPUT FOR EXTERNAL SENSORS** – 20 VDC  $\pm 10\%$  @ 250 MA maximum.

**BINARY OUTPUTS** – Solid-state relay rated 20-30 VAC @ 50/60 Hz, 1.0 amp continuous, 3.5 amp inrush for 100ms. Hand-Off-Auto (H-O-A) switches for manual override, software controlled, monitored switch position status. See IMPORTANT NOTE below.

**ANALOG OUTPUTS** – 16-bit universal analog outputs support Voltage Mode: 0-10 VDC @ 10 mA maximum (1k ohm minimum); Current Mode: 4-20 mA @ 550 ohms Maximum; or Binary Mode: 12 VDC @ 20mA maximum relay coil current (for controlling low-coil current 12 VDC relays and solid-state relays). Hand-Off-Auto (H-O-A) switches with potentiometers for manual override, software controlled, monitored switch position and potentiometer status.

**MICROSET** – Supports BACtalk<sup>®</sup> Microset, Microset II, or Microset 4 on input 0 (IN-0).

**INPUT/OUTPUT TERMINATIONS** – Removable header-type screw terminals.

**PRESSURE SENSOR (VIP-363-VAV)** – 16-bit polarity insensitive pressure sensor. 0-2 in.w.c. (500 Pa) range. 0.0004 in.w.c. (0.1 Pa) zero-point accuracy. 0.5% span repeatability. 1/8-inch x 3/8-inch long barb-fitting. Field replaceable.

**MAX DIMENSIONS** – 5.32" (135 mm) W x 4.33" (110 mm) H x 2.26" (57.4 mm) D.

**MOUNTING** – 35mm DIN rail or screw mounting.

**ENVIRONMENTAL** – Ambient: -20 to 55°C (-4 to 131°F) / Storage: -20 to 85°C (-4 to 185°F) / 5 to 95%RH non-condensing.

**COMMUNICATIONS** – Built-in 4-port Gigabit Ethernet Switch supports 10/100/1000BASE-T.

**PROTOCOLS** – BACnet/Ethernet, BACnet/IPv4, BACnet/IPv6, and Rapid Spanning Tree Protocol (RSTP).

**PROGRAMMING** – Supports Alerton's BD9 DDC file format using Alerton's VisualLogic<sup>®</sup> toolset.

**REAL TIME CLOCK** – 24-hour, 365-day, multi-year calendar, with 24-hour power fail backup.

**AUTOMATION FEATURES** – Supports 100 trendlogs, 100 alarms, 10 schedules, and 1 zone (internal points only)

**MICROPROCESSOR** – 32-bit ARM Cortex-A9, 800 MHz.

**MEMORY** – 1GB LPDDR3 RAM and 2GB solid-state disk storage.

**I/O MICROCONTROLLER** – 32-bit ARM Cortex-M4F, 180 MHz.

**SECURITY** – Integrated secure boot prevents loading of tampered firmware.

**INPUT/OUTPUT EXPANSION** – VIP-363-HOA model supports up to a maximum of eight expansion I/O modules VXIO-322-HOA and VXIO-965-HOA. Expansion I/O modules connect directly to VIP-363-HOA or can be remotely located up to 3000 feet away from the VIP-363-HOA. VIP-363-VAV does not support the VXIO modules.

## ORDERING INFORMATION

### ITEM NUMBER

VIP-363-HOA	ASCENT VISUALLOGIC <sup>®</sup> IP CONTROLLER
VXIO-322-HOA	ASCENT VISUALLOGIC <sup>®</sup> EXPANSION I/O MODULE
VXIO-965-HOA	ASCENT VISUALLOGIC <sup>®</sup> EXPANSION I/O MODULE
VIP-363-VAV	ASCENT VISUALLOGIC <sup>®</sup> IP CONTROLLER WITH INTEGRAL AIRFLOW SENSOR
VAV-FILTER	SINGLE FILTER FOR VIP-363-VAV

## CERTIFICATION AND CONFORMANCE

**BACNET CONFORMANCE** – BACnet Building Controller (B-BC) level device; BTL listing, certification, and compliance to Revision 18.

**UL** – Listed with Underwriters Laboratory for Energy Management Equipment (PAZX) under the UL Standard for Safety 60730-1; listing includes both U.S. and Canadian (CSA/cUL) certification. Listed in UL File# E87741. UL 2043 and CAN/ULC-S142 compliance for use in plenum applications.

**EMC** – EMC Directive 2014/30/EU (European CE Mark).

**RoHS** – RoHS Directive 2011/65/EU.

**FCC** – FCC Part 15, Subpart B.

**IC** – ICES-003 Issue 6.

## IMPORTANT NOTE

This device is UL listed and limited to 100VA maximum. Binary output loads are restricted by this maximum VA rating. If all 6 binary outputs are connected and fully loaded (@24VA each) the total VA of the device will exceed the UL listed and limited maximum rating. DO NOT EXCEED 100VA MAXIMUM RATING!



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Telephone: (425) 921-4900  
alerton.com / sales@alerton.com

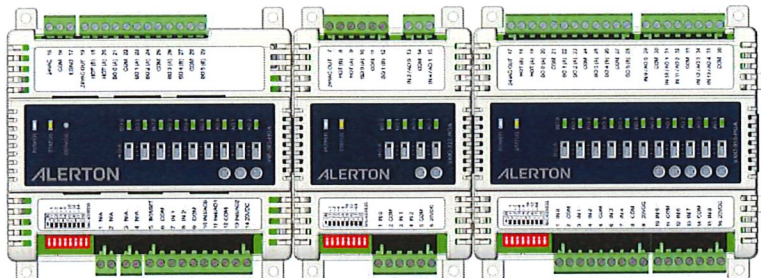
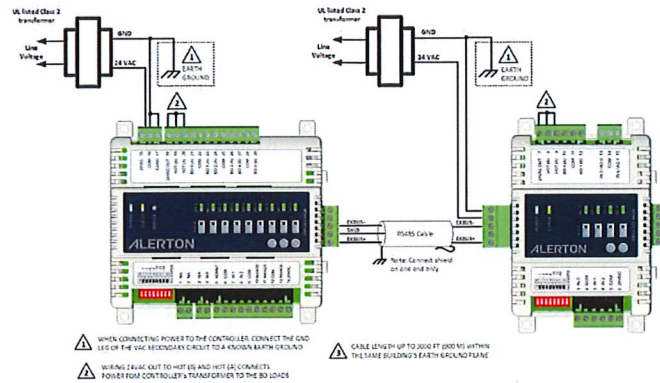


## EXPANDING THE ALERTON VIP CONTROLLER CAPACITY

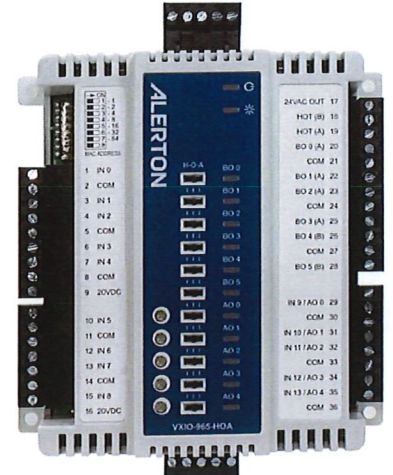
The Alerton® VisualLogic® Expansion Input/Output Modules (VXIO) are designed to expand the I/O capacity of Alerton® VisualLogic® IP Controllers (VIP).

The VIP controller is a BACnet Advanced Application Controller (B-AAC) with a real-time clock, high resolution 16-bit universal inputs and outputs, and a 32-bit processor. The VIP-363-HOA model is designed to support up to eight VXIO modules providing the I/O expansion for applications such as central plant systems, air handling units, clean rooms, fume hoods, large terminal units, and similar control and process equipment.

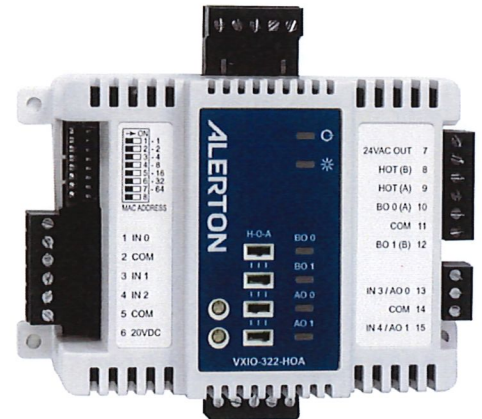
VXIO modules connect directly into the I/O expansion slot of a VIP-363-HOA controller or another VXIO module. Alternatively, VXIO modules can also be mounted remotely with total RS485 cable length of up to 3000 feet.



VIP-363-HOA controller, VXIO-232-HOA and VXIO-965-HOA expansion modules



VXIO-965-HOA



VXIO-322-HOA

### VXIO-322-HOA

UI	BO	UIO	AF
UNIVERSAL INPUTS	BINARY OUTPUTS	UNIVERSAL INPUTS/OUTPUTS (selectable between UI and AO)	AIR-FLOW SENSOR (VIP-363-VAV only)
3	2	2	0

### VXIO-965-HOA

UI	BO	UIO	AF
UNIVERSAL INPUTS	BINARY OUTPUTS	UNIVERSAL INPUTS/OUTPUTS (selectable between UI and AO)	AIR-FLOW SENSOR (VIP-363-VAV only)
9	6	5	0



## TECHNICAL DATA

**POWER** – 20 to 30 VAC @ 50-60 Hz. VXIO-965-HOA: 35 VA minimum / VXIO-322-HOA: 15 VA minimum. (maximum 100 VA across all BO loads). Half-wave rectified. See IMPORTANT NOTE below.

**INPUTS** – 16-bit universal inputs accept 10k thermistor (type II and III), dry contact, 1k platinum RTD, 0-20 mA, 0-10 V, or dry-contact pulse. Pulse input maximum frequency of 100 Hz. Pulse input minimum duty cycle 5ms ON / 5ms OFF.

**POWER OUTPUT FOR EXTERNAL SENSORS** – 20 VDC  $\pm 10\%$  @ 250 mA maximum for VXIO-965-HOA and 100 mA maximum for VXIO-322-HOA.

**BINARY OUTPUTS** – Solid-state relay rated 20-30 VAC @ 50/60 Hz, 1.5 amps continuous, 3.5 amp inrush for 100ms. Hand-Off-Auto (H-O-A) switches for manual override, software controlled, monitored switch position status. See IMPORTANT NOTE below.

**ANALOG OUTPUTS** – 16-bit universal analog outputs support Voltage Mode: 0-10 VDC @ 10 mA maximum (1k ohm minimum); Current Mode: 4-20 mA @ 550 ohms Maximum; or Binary Mode: 12 VDC @ 20mA maximum relay coil current (for controlling low-coil current 12 VDC relays and solid-state relays). Hand-Off-Auto (H-O-A) switches with potentiometers for manual override, software controlled, monitored switch position and potentiometer status.

**INPUT/OUTPUT TERMINATIONS** – Removable header-type screw terminals.

**MAX DIMENSIONS** – VXIO-965-HOA: 5.32" (135 mm) W x 4.33" (110 mm) H x 2.26" (57.4 mm) D. / VXIO-322-HOA: 3.35" (85 mm) W x 4.33" (110 mm) H x 2.26" (57.4 mm) D.

**MOUNTING** – 35mm DIN rail or screw mounting

**ENVIRONMENTAL** – Ambient: -20 to 55°C (-4 to 131°F) / Storage: -20 to 85°C (-4 to 185°F) / 5 to 95%RH non-condensing.

**COMMUNICATIONS** – Communications with the VIP controller is a proprietary protocol over RS-485.

**MICROCONTROLLER** – 32-bit ARM Cortex M4, 120 MHz.

**MEMORY** – 512KB of on-chip flash and 128KB of RAM.

**SECURITY** – Integrated secure boot prevents loading of tampered firmware.

## ORDERING INFORMATION

### ITEM NUMBER

VIP-363-HOA	ASCENT VISUALLOGIC® IP CONTROLLER
VXIO-322-HOA	ASCENT VISUALLOGIC® EXPANSION I/O MODULE
VXIO-965-HOA	ASCENT VISUALLOGIC® EXPANSION I/O MODULE

## CERTIFICATION AND CONFORMANCE

**UL** – Listed with Underwriters Laboratory for Energy Management Equipment (PAZX) under the UL Standard for Safety 60730-1; listing includes both U.S. and Canadian (CSA/cUL) certification. Listed in UL File# E87741. UL 2043 and CAN/ULC-S142 compliance for use in plenum applications.

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**RoHS** – RoHS Directive 2011/65/EU.

**FCC** – FCC Part 15, Subpart B.

**IC** – ICES-003 Issue 6.

## IMPORTANT NOTE

This device is UL listed and limited to 100VA maximum. Binary output loads are restricted by this maximum VA rating. If all 6 binary outputs are connected and fully loaded (@24VA each) the total VA of the device will exceed the UL listed and limited maximum rating. DO NOT EXCEED 100VA MAXIMUM RATING!



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## State Licensing Board for Contractors

TOWERS CONSTRUCTION, L.L.C.  
410 Sala Avenue  
Westwego, LA 70094

This is to Certify that:

is duly licensed and entitled to practice the following classifications

BUILDING CONSTRUCTION; MECHANICAL; PLUMBING



Expiration Date: December 12, 2023

License No: 40133

Witness our hand and seal of the Board dated,  
Baton Rouge, LA 13th day of December 2022

Will B. May Director

Lee Madgett Chairman

Andy Dumas Treasurer

This License Is Not Transferrable



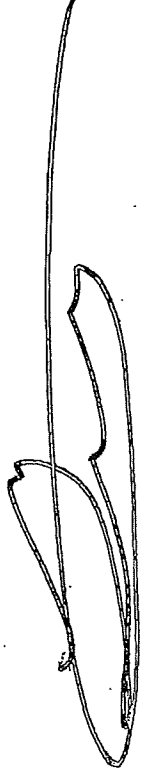
**Jefferson Parish**  
Inspection and Code Enforcement  
Regulatory Inspection's Division

**Active Mechanical # 14976**

This is to certify that **RAY TORRES**  
having qualified in accordance with Jefferson Parish Ordinances is hereby granted  
authorization to engage in the above field as authorized by law.

Issue Date: 4/1/2022

Expiration Date: 3/31/2023



Mechanical Section Chief

**THIS LICENSE IS NOT TRANSFERABLE**



TOWECON-01

CLS

# CERTIFICATE OF LIABILITY INSURANCE

 DATE (MM/DD/YYYY)  
 10/30/2023

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

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

<b>PRODUCER</b> Dwight Andrus Insurance a division of HUB International Gulf South 500 Dover Blvd. Ste. 110 Lafayette, LA 70503		<b>CONTACT NAME:</b> PHONE (A/C, No, Ext): (337) 981-7300 FAX (A/C, No): (337) 984-2166 E-MAIL ADDRESS: GUS.DAI.CustomerService@hubinternational.com	
		INSURER(S) AFFORDING COVERAGE	
		INSURER A : Travelers Indemnity Co of America	
		INSURER B : The Phoenix Ins. Co.	
		INSURER C : Travelers Property Casualty Co of America	
		INSURER D : Travelers Casualty & Surety Co	
		INSURER E : Navigators Insurance Company	
		INSURER F :	

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

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input checked="" type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC OTHER:			4T-CO-8294B100-TIA-23	9/1/2023	9/1/2024	EACH OCCURRENCE \$ 1,000,000
							DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 300,000
							MED EXP (Any one person) \$ 5,000
							PERSONAL & ADV INJURY \$ 1,000,000
							GENERAL AGGREGATE \$ 2,000,000
							PRODUCTS - COMP/OP AGG \$ 2,000,000
B	AUTOMOBILE LIABILITY <input checked="" type="checkbox"/> ANY AUTO <input type="checkbox"/> OWNED AUTOS ONLY <input type="checkbox"/> SCHEDULED AUTOS <input type="checkbox"/> HIRED AUTOS ONLY <input type="checkbox"/> NON-OWNED AUTOS ONLY			BA-4N116886-23-2S-G	9/1/2023	9/1/2024	COMBINED SINGLE LIMIT (Ea accident) \$ 1,000,000
							BODILY INJURY (Per person) \$
							BODILY INJURY (Per accident) \$
							PROPERTY DAMAGE (Per accident) \$
							\$
							\$
C	<input checked="" type="checkbox"/> UMBRELLA LIAB <input checked="" type="checkbox"/> OCCUR <input type="checkbox"/> EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE <input type="checkbox"/> DED <input checked="" type="checkbox"/> RETENTION \$ 10,000			CUP-7J965073-23-2S	9/1/2023	9/1/2024	EACH OCCURRENCE \$ 5,000,000
							AGGREGATE \$ 5,000,000
							\$
D	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below		Y / N <input type="checkbox"/> N / A	UB-4J937505-23-2S-G	9/1/2023	9/1/2024	<input checked="" type="checkbox"/> PER STATUTE <input type="checkbox"/> OTH-ER \$
							E.L. EACH ACCIDENT \$ 1,000,000
							E.L. DISEASE - EA EMPLOYEE \$ 1,000,000
							E.L. DISEASE - POLICY LIMIT \$ 1,000,000
E	Pollution(see Add'l)			NY23ECPX00891NC	9/1/2023	9/1/2024	Aggregate \$ 2,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)  
 Actual Policy Forms & Endorsements Are Available Upon Request For Review

SEE ATTACHED ACORD 101

<b>CERTIFICATE HOLDER</b>  Jefferson Parish Emergency Operation & Communication Center 910 3rd Street Gretna, LA 70053	<b>CANCELLATION</b>  SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.  AUTHORIZED REPRESENTATIVE
--	--



## ADDITIONAL REMARKS SCHEDULE

AGENCY <b>Dwight Andrus Insurance</b>		NAMED INSURED <b>Towers Construction, LLC</b> 410 Sala Avenue Westwego, LA 70094	
POLICY NUMBER <b>SEE PAGE 1</b>			
CARRIER <b>SEE PAGE 1</b>	NAIC CODE <b>SEE P 1</b>	EFFECTIVE DATE: <b>SEE PAGE 1</b>	

## ADDITIONAL REMARKS

THIS ADDITIONAL REMARKS FORM IS A SCHEDULE TO ACORD FORM,  
FORM NUMBER: ACORD 25 FORM TITLE: Certificate of Liability Insurance

## Description of Operations/Locations/Vehicles:

## Addendum to Certificate of Insurance

Any information contained in this Addendum is general and descriptive only. The Certificate of Insurance and this Addendum may not contain descriptions of any or all operations, locations, vehicles or exclusions. Please see policy forms and endorsements for specific coverages and exclusions.

## General Liability Includes:

- Blanket Additional Insured (Contractors), per form CG D2 46 08 05
- Blanket Additional Insured - Owners, Managers or Lessors of Premises per Contractors Xtend Endorsement, form CG D3 16 02 19
- Blanket Additional Insured - Lessors of Leased Equipment per Contractors Xtend Endorsement, form CG D3 16 02 19
- Blanket Waiver of Subrogation per Contractors Xtend Endorsement, form CG D3 16 02 19
- Designated Entity - Notice of Cancellation Provided by Us, Number of Days Notice of Cancellation: 30, Person Or Organization: "Any Person Or Organization To Whom You have agreed in a written contract that notice of cancellation of this policy will be given" per forms IL T4 05 05 19 & IL T8 03
- Designated Project(s) General Aggregate Limit - "Each Project for which you have agreed, in a written contract which is in effect during this policy period, to provide a separate General Aggregate limit, provided that the contract is signed and executed by you before that bodily injury or property damage occurs", per form CG D2 11 01 04
- Contractual Liability - Assumed in a contract or agreement that is an insured contract, provided the bodily injury or property damage occurs subsequent to the execution of the contract or agreement, per form CG T1 00 02 19

## Business Auto includes:

- Blanket Additional Insured per Business Auto Extension Endorsement - Louisiana, form CA F1 06 02 15
- Blanket Waiver of Subrogation per Business Auto Extension Endorsement - Louisiana, form CA F1 06 02 15
- Designated Insured for Covered Auto Liability Coverage - Primary and Non-Contributory with Other Insurance- Contractors

## Workers Compensation includes:

- Waiver of Our Right to Recover From Others Endorsement, Designated Organization: "Any person or organization for which the insured has agreed by written contract executed prior to loss to furnish this waiver", per form WC 00 03 13 (00)-01

## Umbrella includes:

- Excess Follow-Form and Umbrella Liability Insurance EU 00 01 07 16
- Waiver of Our Right To Recover From Others per form UM 04 88 07 08
- Umbrella Follows Form for GL/AU/WC, DOES NOT PROVIDE COVERAGE OVER POLLUTION POLICY.

## Contractors Pollution Liability Policy Includes:

- Limits:  
Operations Pollution Liability - \$1MM each Incident / \$2MM Aggregate  
Site Pollution Liability - \$1MM each Incident / \$2MM Aggregate  
•Deductible: \$25,000
- NENV DR EDGE (04/17) DR Edge Amendatory Endorsement:  
-Blanket Additional Insured when required by written contract but only with respect to a pollution incident arising out of your work  
-Waiver of Subrogation-With respect to Coverage 1.A. Operations Pollution Liability, we agree to waive our right of subrogation against any of your clients or any other person or organization as required by written contract but only if and to the extent you had a written contract agreeing to waive such rights prior to the loss hereunder began.



10-30-2023

## Bid Bond in Accordance with Contract Specifications

SLA10301143

Towers Construction, LLC

Bond Number

Principal Name

410 Sala Ave, Westwego, LA, 70094, US

Principal Address

Principal Signature

Jefferson Parish

200 Derbigny Street, Gretna, LA, 70053, US

Owner/Obligee Name

Owner/Obligee Address

### Bond Information

10-31-2023

Nationwide Mutual Insurance Company

17813

Bid Date

Surety

Contractor Vendor ID Number

50-00143649

Contract ID Number

5000143649 Supply and Install a Fully Integrated Building Management System (BMS) at the Jefferson Parish Emergency Operation and Communication Center

Description of Job

5%

Amount of Bid Security

Bid Security Maximum

5%

Bid Security Percentage

B. Doyle Campbell

Attorney-in-Fact

Bayside Surety Brokerage, Inc.

Bond Entered and Executed By

Primary Agency

Attorney-In-Fact Signature

Know all men by these presents that Nationwide Mutual Insurance Company, a Corporation duly organized under the laws of the State of OH, are held and firmly bound unto the above owner/obligee by the transmission. The surety agrees to waive the statute of Fraud defense and further agrees that the owner/obligee is a third party beneficiary of the waiver for the purposes of enforcing this bid bond.





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JEFF LANDRY

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Name	Type	City	Status
TOWERS CONSTRUCTION, L.L.C.	Limited Liability Company	WESTWEGO	Active

#### Previous Names

**Business:** TOWERS CONSTRUCTION, L.L.C.

**Charter Number:** 35185028K

**Registration Date:** 12/14/2001

#### Domicile Address

410 SALA AVE.  
WESTWEGO, LA 70094

#### Mailing Address

C/O RAY TORRES  
410 SALA AVE.  
WESTWEGO, LA 70094

#### Status

**Status:** Active

**Annual Report Status:** In Good Standing

**File Date:** 12/14/2001

**Last Report Filed:** 12/30/2022

**Type:** Limited Liability Company

#### Registered Agent(s)

<b>Agent:</b>	RAY TORRES
<b>Address 1:</b>	410 SALA AVE.
<b>City, State, Zip:</b>	WESTWEGO, LA 70094
<b>Appointment Date:</b>	12/14/2001

#### Officer(s)

Additional Officers: No

<b>Officer:</b>	RAY TORRES
<b>Title:</b>	Member
<b>Address 1:</b>	410 SALA AVE.
<b>City, State, Zip:</b>	WESTWEGO, LA 70094

#### Amendments on File

No Amendments on file

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