



**BID NUMBER- 50-00143093**

**Labor & Materials Needed to Remove, Supply & Install New Air-Cooled Water Chiller Systems at The Jefferson Parish Performing Arts Center**

**BID DUE: September 14, 2023 AT 2:00 PM**

**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  
Purchasing Specialist II Name: SHANNA FOLSE  
Purchasing Specialist II Email: [sfolve@jeffparish.net](mailto:sfolve@jeffparish.net)  
Purchasing Specialist II Phone: 504-364-2680**

# Labor & Materials Needed to Remove, Supply & Install New Air-Cooled Water Chiller Systems at The Jefferson Parish Performing Arts Center

## Bid #50-00143093

### SECTION 1.0 – SITE VISIT:

All prospective bidders can schedule a site visit by contacting Shayne Perez with the Department of General Services between 8:00 a.m. to 3:00 p.m., Monday Thru Friday. Mr. Perez can be reached at 504-364-2675.

### SECTION 2.0 – SCOPE:

We extend this proposal to provide all labor, materials, delivery, equipment, and all other incidentals needed to remove two (2) existing Trane Air-Cooled Chiller Systems and supply and install two (2) new 200-ton Trane Air Cooled Water Chiller Systems, Model Number ACRB2005EUA\*XUUCXNC2XFNLBKEV1TANXXXAAXXXX0XX at the Jefferson Performing Arts Center located at 6400 Airline Drive, Metairie, LA 70001.

### 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;

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

### SECTION 4.0 – BONDS:

- **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.
- **Performance Bond:** A Performance Bond in the amount of 50% of the total contract price will be required. The performance bond shall be produced upon contract execution.
- **Payment Bond:** A payment bond of 50% of the total contract price will be required. The payment bond shall be produced upon contract execution.

## **SECTION 5.0 – QUANTITIES/INSPECTIONS:**

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 6.0 - SUBMITTALS:**

If the bidder intends to provide materials equal to or better than owner-specified materials, the following shall be provided with their bid:

Provide the requested information to ensure the bid is deemed responsive:

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

## **SECTION 7.0 – SPECIFICATIONS:**

- Provide all labor, materials, delivery, equipment, and all other incidentals needed to remove two (2) existing Trane Air Cooled Chiller Systems and supply and install two (2) new 200-ton Trane Air Cooled Helical Rotary Water Chiller Systems, Model ACRB2005EUA\*XUUCXNC2XFNLBKEV1TANXXXAAXXXX0XX.
- Before any work begins, an owner's representative and the successful bidder shall inspect, document, and take photos of all existing building and roof conditions.

### **Section 7.1 Demolition of Trane Air Cooled Water Chiller:**

- Remove two (2) existing Trane Air Cooled Water Chillers
- Removed chillers shall be delivered and offloaded at the Jefferson Parish Surplus Property Facility at 920 David Drive, Metairie, LA. 70002.
- Recover and properly dispose of all refrigerants as per EPA guidelines.
- Remove and properly dispose of existing pipe insulation from Trane Air Cooled Water Chiller to isolation valves.
- Disconnect existing water piping between isolation valves and existing Trane Air Cooled Water Chillers
- Remove and properly dispose of four (4) existing isolation valves (two on the supply line and two on the return line of each unit).
- Disconnect high voltage and control wiring from Trane Air Cooled Water Chillers
- One (1) Air cooled chiller shall always remain running. No work shall begin on the second chiller until the first chiller is fully operational.

## **Section 7.2 Installation of Trane Air Cooled Helical Rotary Water Chiller:**

- All equipment and materials shall be bidder-supplied new.
- Any modification or changes needed to the existing chiller foundations will be the successful bidder's responsibility at no additional cost to the owner.
- Supply and install two (2) new Trane Air Cooled Helical Rotary Water Chillers. Model number: ACRB2005EUA\*XUUCXNC2XFNLBKEV1TANXXXAAXXXX0XX
- New bidder-supplied Air-Cooled Water Chillers shall be mounted and bolted to the existing roof foundation using new vibration isolator springs.
- Any modifications to the existing roof shall be performed by a roofing company certified by Garland Company Inc.
- Supply and install four (4) new brass isolation valves on each chiller system's existing supply and return line.
- Supply and install new steel supply and return pipe from new isolation valves to new Air Cooled Helical Rotary Water Chillers.
- New steel pipe shall match existing pipe size and thickness.
- All bolts, nuts, and hardware shall be 316 stainless steel.
- Supply and install new fiberglass pipe insulation from new Air Cooled Helical Rotary Water Chillers to new isolation valves on the supply and return water pipes.
- Pipe insulation shall be a minimum of 2" thick.
- Install aluminum jacketing on all piping, valves, and fittings affected by this project.
- Supply and install new properly sized copper wire and EMT conduit from new units to existing fused disconnect.
- Refill the chill water loop and bleed air on each system.

### **Section 7.3 – Facility Management System**

- Provide all equipment, materials, and software needed to connect each new chiller to the existing Automated Controls (BAS).
- In the event of a BAS failure, the new chillers shall be equipped with a local start/stop feature.

## **SECTION 8.0 - TRANE AIR COOLED WATER CHILLERS DESCRIPTION:**

### **Unit Overview**

- Unit start-up by Trane
- Chiller Model Ascend (TM) Air-Cooled Chiller Model ACR
- 200 Nominal Tons
- Refrigeration Capacity - 193.41 tons
- Cooling Efficiency 11.194 EER (Btu/W-h)
- IPLV.IP 20.265 EER (Btu/W-h)
- Elevation 0.00 ft
- Unit Voltage 460 volt/60Hz/3 phase

- Refrigerant Type HFC-134a
- Agency Listing UL Listed-US/Canadian Safety Standard
- Pressure Vessel Code ASME Pressure Vessel Code
- Model Number ACRB2005EUA\*XUUCXNC2XFNL BREV1TANXXXAAXXXXXXO
  
- Evaporator Information
  - Standard
  - Fouling Factor 0.000100 hr.-sq ft-deg F/ Btu
  - Pass Configuration Chil 2-pass
  - Flow Sense Set Point Flow Switch Set Point 35cm/sec
  - Chilled Fluid
  - Fluid Type- Water
  - Fluid Freeze Point 32.00 F
  - Entering Temperature 54.00 F
  - Leaving Temperature 44.00 F
  - Design Flow 462.22 gpm
  - Design PD 14.18 ft H2O
  
- Condenser Information
  - Low Ambient
  - Condenser Type Coated Round Copper Tube, Alum
  - Plate Fin
  - Condenser Size 5V Condenser Coil Modules
  - Number of Fans 10.00 Each
  - Ambient Air Temperature 95.00 F
  
- Electrical Information
  - Unit Voltage 460 volt/60Hz/3 phase
  - Frequency 60 Hertz Rated Frequency
  - Incoming Line Connection Single Point Unit Power Connection
  - Incoming Connection Type Terminal Block
  - Short Circuit Current Rating 10000 A
  - Compressor Starter Variable Frequency Drive (1 Compressor/CKT)
  - Harmonic Filter Reactor (>30% TDD)
  - Total Power 207.33 kW
  - RLA
  - Compressor 1A - VFD Input 136.00 A
  - Compressor 2A - VFD Input 136.00 A
  - MCA
  - Single Point Power 336.00 A
  - MOP
  - Single Point Power 450.00 A
  
- Physical Information
  - Dimensions
  - Length 283.000 in

- Width 88.000 in
- Height 98.000 in
- Weights
- Operating Weight 13600 lb.
- Shipping Weight 13400 lb.
- Charge Circuit 1 Circuit 2
- Oil 3.00-gal 3.00 gal
- Refrigerant 208 lb. 208 lb.
- Drive Cooling 1.40-gal 2.00 gal

### **8.1 General**

Units shall be leak and pressure tested at 390 psig (2689 kPa) high side, 250 psig (1724 kPa) low side, then evacuated and charged. Air-cooled chillers must be factory tested to confirm operation before shipment. Packaged units shall ship with a full operating charge of oil and refrigerant.

Unit panels, structural elements, and control boxes shall be constructed of galvanized steel and mounted on a welded structural steel base. Unit panels and control boxes are finished with baked-on powder paint, and the structural base with an air-dry paint.

### **8.2 Evaporator**

The evaporator shall be a tube-in-shell heat exchanger design with internally and externally finned copper tubes roller expanded into the tube sheet. The evaporator shall be designed, tested, and stamped in accordance with ASME Pressure Vessel Code Section VIII for a refrigerant side working pressure of 200 psig (1379 kPa). The evaporator shall be designed for a water-side working pressure of 150 psig (1034 kPa). Water connections shall be grooved pipe. Each shell shall include a vent, a drain, and fittings for temperature control sensors and is insulated with UV-resistant 0.75-inch Armaflex II or equal insulation (K=0.28). Insulation shall also cover the suction line and evaporator heads. Heaters, with thermostats, shall be provided to help protect the evaporator from freezing at ambient temperatures down to -20 F.

### **8.3 Operating Temperature**

Unit shall be designed for operation in standard leaving evaporator temperature (equal to or greater than 40 F, 4 C) modes.

### **8.4 Chilled Water Reset**

Provide control logic and factory-installed sensors to reset leaving chilled water temperature. The set point can be reset based on ambient temperature or return evaporator water temperature

## **8.5 Condenser and Fans**

Air-cooled condenser coils have lanced aluminum fins mechanically bonded to internally finned copper tubes. Completely assembled coils shall then be dipped and baked in an electro-mechanically bonded flexible epoxy coating. Coating shall cover all condenser coil surfaces with a uniform coating to protect against corrosion with negligible performance loss. Coil with coating shall successfully pass a 6,000-hour salt spray test. The condenser coil shall have an integral sub-cooling circuit. Condensers shall be leak tested at 506 psig (3489 kPa). Direct drive vertical discharge condenser fans shall be dynamically balanced. Three-phase condenser fan motors shall be provided with permanently lubricated ball bearings and internal thermal protection. Units will start and operate down to 0 F (-18 C) ambient.

### **SECTION 9.0 - COMMISSIONING:**

A factory-authorized and trained representative of the equipment manufacturer shall perform commissioning. All commissioning shall be performed with an owner's representative presenting a handwritten report given to the owner after commissioning. Seven days after completing the commissioning of the equipment, a typed copy of the report shall be delivered to the owner.

### **SECTION 10.0 - HOURS OF WORK:**

The work to be performed shall be scheduled during regular working hours, 7:00 a.m. – 5:00 p.m., Monday thru Friday. The successful bidder may choose to work before or after regular building working hours to provide a safe work environment at no extra charge to Jefferson Parish.

### **SECTION 11.0 – EXISTING STRUCTURE:**

In the event the successful bidder should damage or destroy any part of a building, etc. The successful bidder shall be required to replace and restore said item to its original condition, with the same type of material, finish, and workmanship, at no additional cost to the owner.

### **SECTION 12.0 – WARRANTY:**

#### **Labor, Maintenance, Parts, and Refrigerant Warranty:**

- Minimum ten (10) years from the manufacturer
- Warranty will commence on the date of acceptance of the project.

### **SECTION 13.0 – LIQUIDATED DAMAGES:**

Commencing on the thirty-first (31) day following the notice to proceed, liquidated damages will be assessed in the amount of \$300/day.

**SECTION 14.0 – START OF WORK CONFERENCE 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” 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.





### Unit Overview

<b>Chiller Model</b>	Ascend(TM) Air-Cooled Chiller Model ACR
<b>Unit Nominal Tonnage</b>	200 Nominal Tons
<b>Refrigeration Capacity</b>	193.41 tons
<b>Cooling Efficiency</b>	11.194 EER (Btu/W-h)
<b>IPLV/IP</b>	20.265 EER (Btu/W-h)
<b>Elevation</b>	0.00 ft
<b>Unit Voltage</b>	460 volt/60Hz/3 phase
<b>Refrigerant Type</b>	HFC-134a
<b>Agency Listing</b>	UL Listed-US/Canadian Safety Standard
<b>Pressure Vessel Code</b>	ASME Pressure Vessel Code
<b>Model Number</b>	ACRB2005EUA*XUUCXNC2XFNL BKEV1TANXXXAAXXXX0XX



### Evaporator Information

<b>Evaporator Application</b>	Standard Cooling	<b>Entering Temperature</b>	54.00 F
<b>Fouling Factor</b>	0.000100 hr-sq ft-deg F/ Btu	<b>Leaving Temperature</b>	44.00 F
<b>Pass Configuration</b>	Chil 2-pass	<b>Design Flow</b>	462.22 gpm
<b>Flow Sense Set Point</b>	Flow Switch Set Point 35cm/sec	<b>Design PD</b>	14.18 ft H2O
<b>Chilled Fluid</b>			
<b>Fluid Type</b>	Water		
<b>Fluid Freeze Point</b>	32.00 F		

### Condenser Information

<b>Condenser Application</b>	Low Ambient	<b>Number of Fans</b>	10.00 Each
<b>Condenser Type</b>	Coated Round Copper Tube, Alum Plate Fin	<b>Ambient Air Temperature</b>	95.00 F
<b>Condenser Size</b>	5V Condenser Coil Modules		

### Electrical Information

<b>Unit Voltage</b>	460 volt/60Hz/3 phase	<b>RLA</b>	
<b>Frequency</b>	60 Hertz Rated Frequency	<b>Compressor 1A - VFD Input</b>	136.00 A
<b>Incoming Line Connection</b>	Single Point Unit Power Connection	<b>Compressor 2A - VFD Input</b>	136.00 A
<b>Incoming Connection Type</b>	Terminal Block	<b>MCA</b>	
<b>Short Circuit Current Rating</b>	10000 A	<b>Single Point Power</b>	336.00 A
<b>Compressor Starter</b>	Variable Frequency Drive (1 Compr/CKT)	<b>MOP</b>	
<b>Harmonic Filter</b>	Reactor (>30% TDD)	<b>Single Point Power</b>	450.00 A
<b>Total Power</b>	207.33 kW		

### Physical Information

Dimensions		Weights		Charge	Circuit 1	Circuit 2
<b>Length</b>	283.000 in	<b>Operating Weight</b>	13600 lb	<b>Oil</b>	3.00 gal	3.00 gal
<b>Width</b>	88.000 in	<b>Shipping Weight</b>	13400 lb	<b>Refrigerant</b>	208 lb	208 lb
<b>Height</b>	98.000 in			<b>Drive Cooling</b>	1.40 gal	2.00 gal

### Warranty

Standard Warranty



## Regulatory Compliance

### ASHRAE 90.1

This unit complies with the efficiency requirements of ASHRAE 90.1 and CSA C743 - all versions up to 2016.

Certified in accordance with the AHRI Air-Cooled Water-Chilling Packages Certification Program, which is based on AHRI Standard 550/590 (I-P) and AHRI Standard 551/591 (SI). Certified units may be found in the AHRI Directory at [www.ahridirectory.org](http://www.ahridirectory.org).



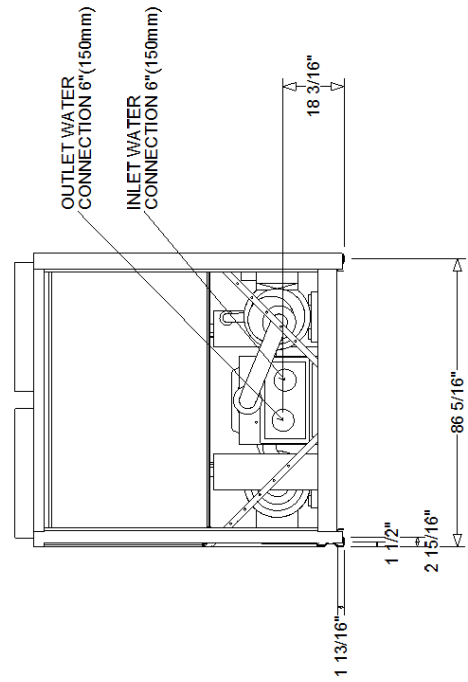
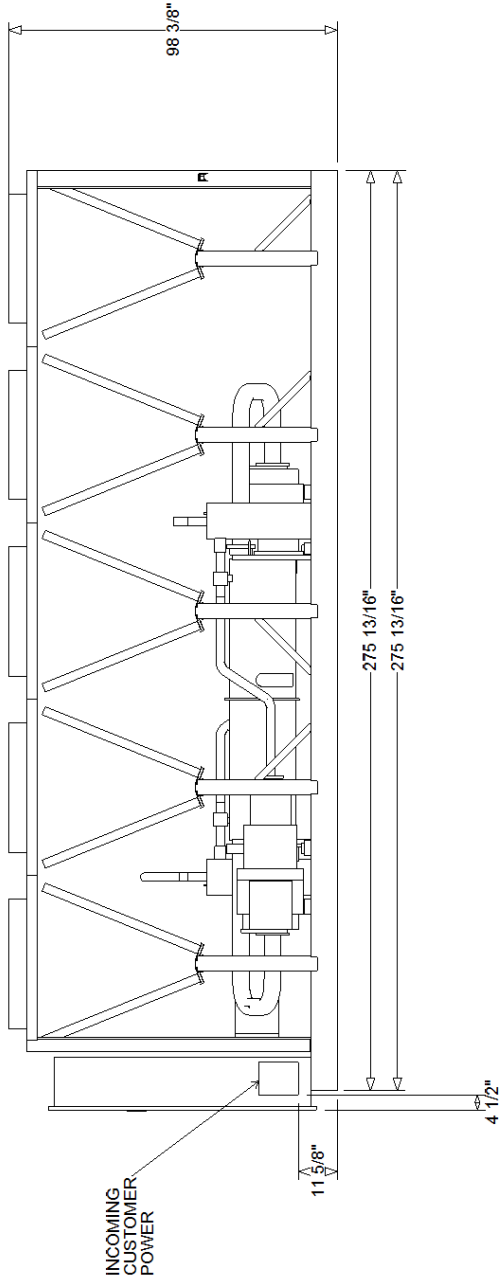
## Standard Rating Performance and Information for LEED Rating

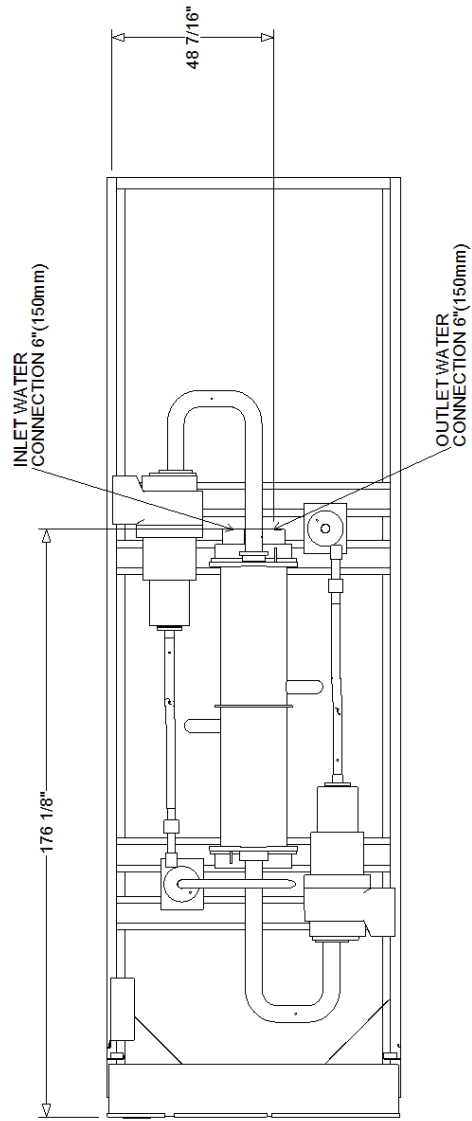
<b>Refrigerant Charge Ckt 1</b>	208 lb	ASHRAE 90.1 - all versions up to 2016
<b>Refrigerant Charge Ckt 2</b>	208 lb	This product meets the minimum efficiency requirements of ASHRAE Standard 90.1 and CANS/CSA C743 for all versions (which are based on AHRI standard rating conditions with water) and, therefore, also meets the LEED "Minimum Energy Performance" prerequisite in the Energy and Atmosphere section.  The LEED Green Building Rating System™, developed by the U.S. Green Building Council, provides independent, third-party verification that a building project meets green building and performance measures.
<b>Rated Capacity (AHRI)</b>	193.36 tons	
<b>Rated Efficiency (AHRI)</b>	11.192 EER (Btu/W-h)	
<b>IPLV</b>	20.265 EER (Btu/W-h)	
<b>Refrigeration Capacity</b>	193.41 tons	
<b>Cooling Efficiency</b>	11.194 EER (Btu/W-h)	
<b>Compressor Power</b>	189.42 kW	
<b>Fan Power</b>	17.51 kW	

Trane Select Assist Version Number: 270  
Data Generation Date: 5/1/2023

200 NOMINAL TONS  
 Evaporator Water Volume 23.9 Gallons/90.5 L  
 Free Cooling Water Volume (without filter or transformer) 145.3 Gallons/549.8 L  
 Free Cooling Water Volume (with filter or transformer) 151.2 Gallons/572.3 L  
 Mounting Hole Diameter 9/16"  
 Incoming Power Dimensions 11 13/16" X 9 13/16"  
 Data Generation <<2081198-FV>>  
 Dimensional Tolerance +/- 1/4"

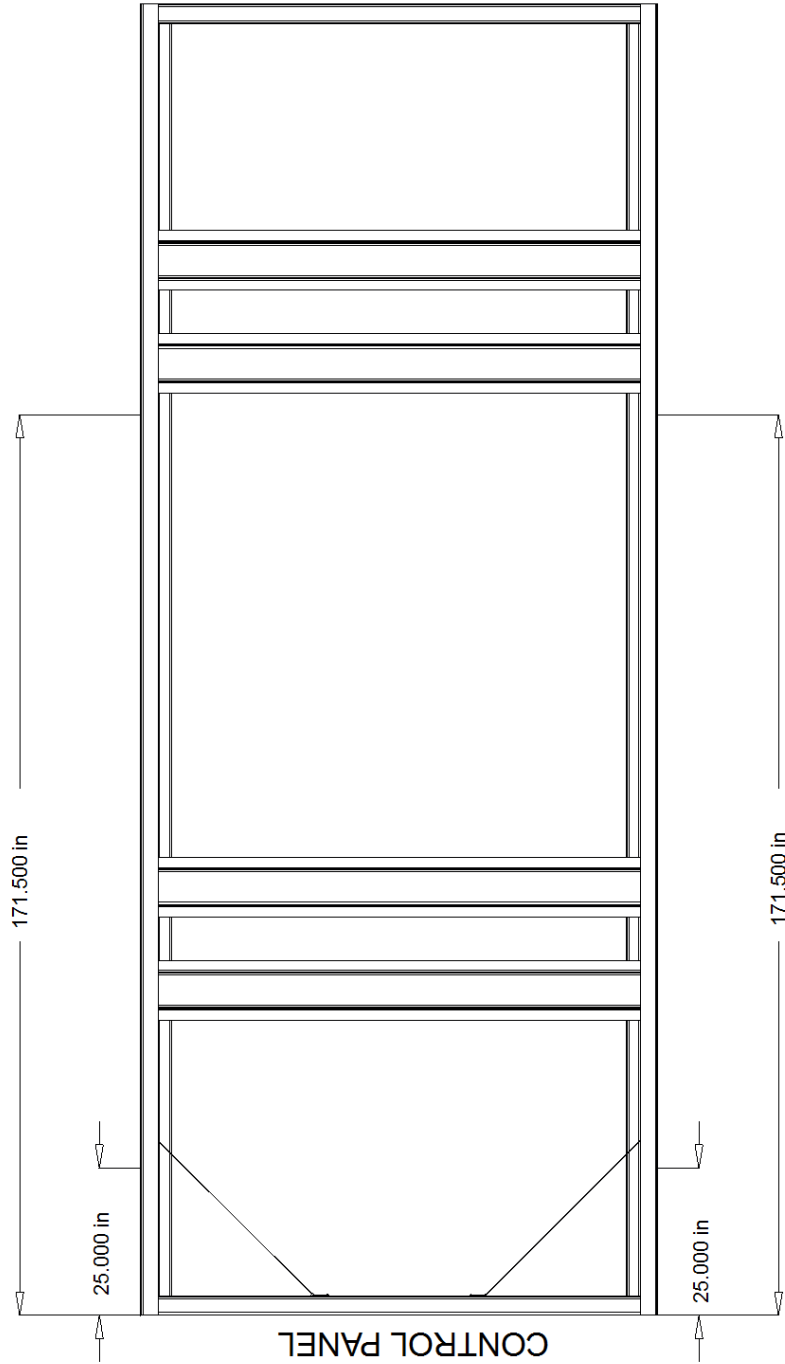
UNITS WITH LOUVER PANELS, ADD 1 1/4" TO UNIT LENGTH





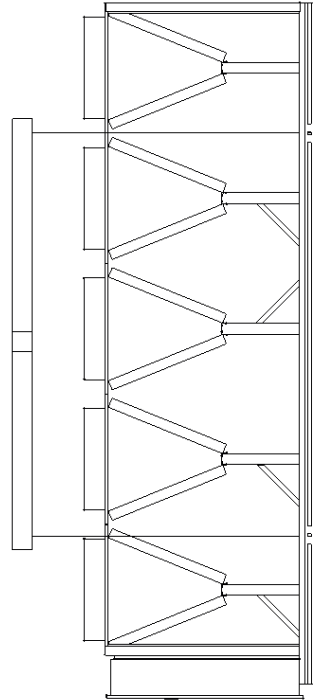
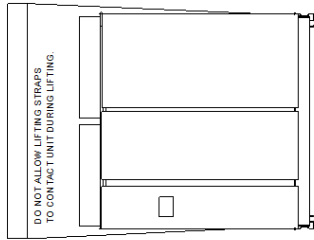
## LIFTING LOCATIONS

TOTAL SHIPPING WEIGHT 13,400 lb  
WEIGHT TOLERANCE +/- 10%  
DIMENSIONAL TOLERANCE +/- 1/4"



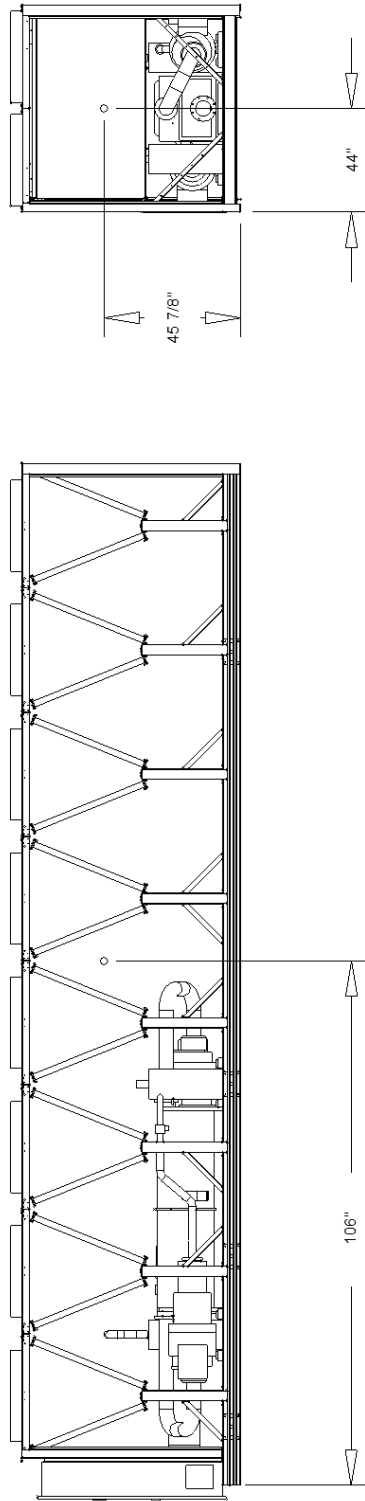
**WARNING**  
**LIFTING AND MOVING INSTRUCTIONS**  
 Use the spreader bar as shown in the diagram. Refer to installation instructions located inside the control panel for further rigging information.  
 Other lifting arrangements could result in death, serious injury or equipment damage.  
**DO NOT ALLOW LIFTING STRAPS TO CONTACT THE UNIT DURING LIFT.**

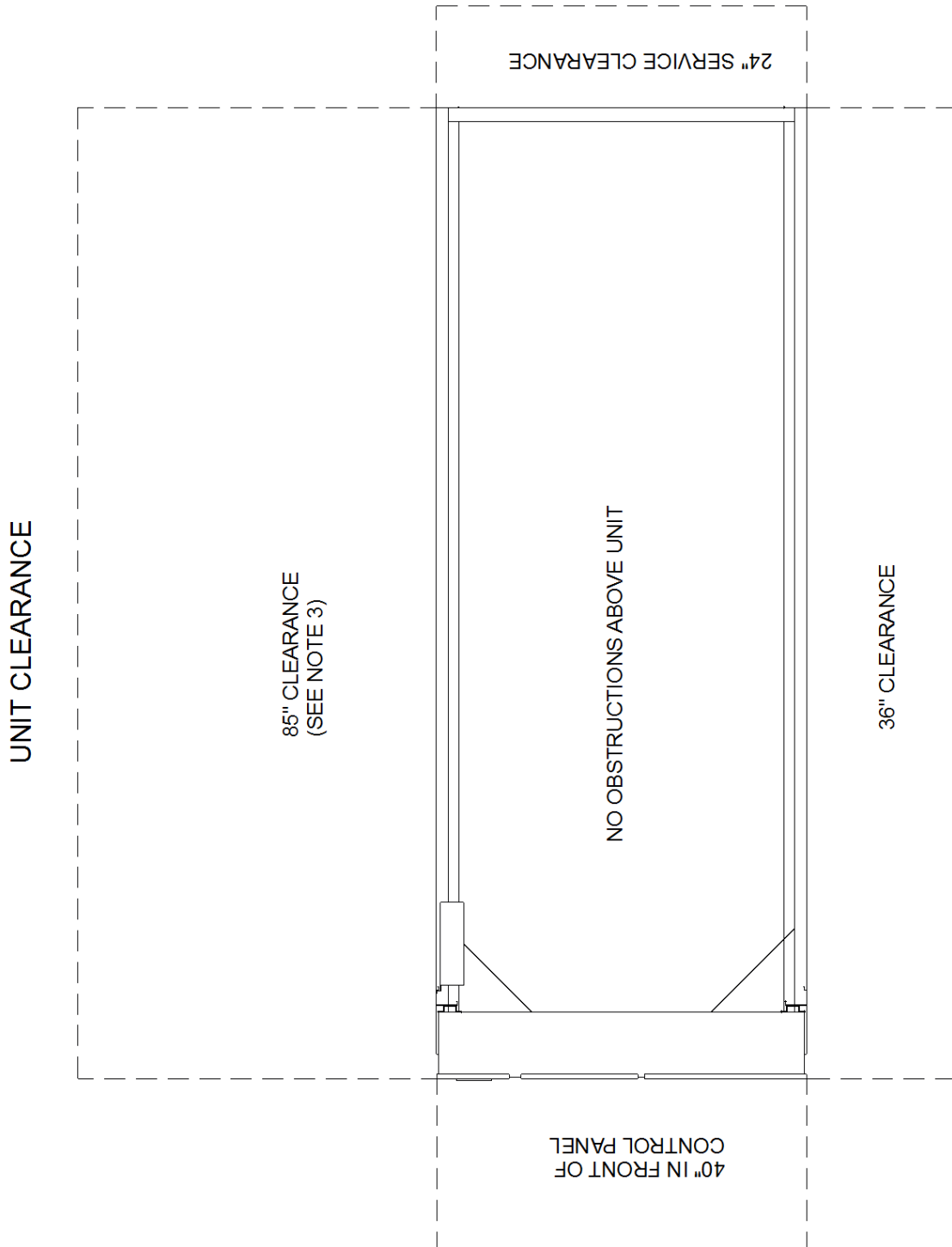
**NOTES:**  
 1. DO NOT FORK LIFT UNIT.  
 2. KEEP UNIT LEVEL WHEN LIFTING.  
 3. WEIGHT IS TYPICAL FOR UNITS WITH R-134A.  
 4. WEIGHT IS TYPICAL FOR UNITS WITHOUT LOUVER PANELS.  
 5. DIAGRAM IS A GENERIC REPRESENTATION OF THE UNIT.  
 6. SPREADER BAR(S) LIFTING RIG IS 96" IN WIDTH.  
 7. THE MAXIMUM RIGGING ANGLE AT EACH CHILLER LIFT POINT IS 30 DEGREE FROM VERTICAL.  
**TOTAL SHIPPING/LIFTING WEIGHT: 13,400 lb**



### CENTER OF GRAVITY

Different unit configurations and options may cause a variation in the center of gravity from what is shown. Refer to the Installation, Operating and Maintenance manual for specific lifting instructions.



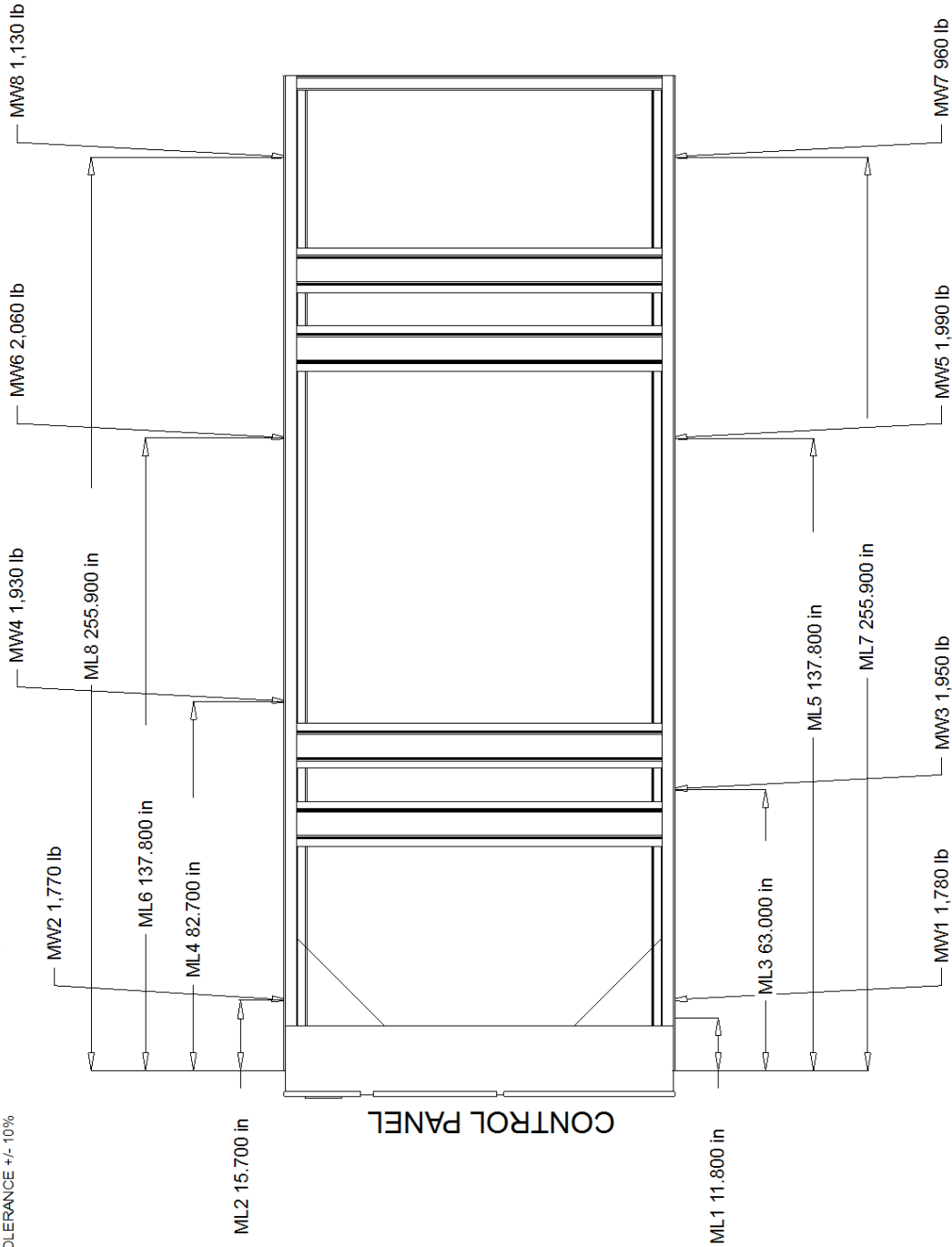


- NOTES:
1. AREA ABOVE UNIT IS REQUIRED FOR OPERATION, MAINTENANCE, ACCESS PANEL AND AIR FLOW. NO OBSTRUCTIONS ABOVE UNIT.
  2. FOR OBSTRUCTIONS OR MULTIPLE UNITS, REFER TO THE CLOSE SPACE BULLETIN.
  3. CLEARANCE OF 85" ON THE SIDE OF THE UNIT IS REQUIRED FOR COIL REPLACEMENT. PREFERRED SIDE IS SHOWN (LEFT SIDE OF UNIT AS FACING THE MAIN CONTROL PANEL OR CIRCUIT 1 CONTROL PANEL). HOWEVER, EITHER SIDE IS ACCEPTABLE.



# MOUNTING LOCATIONS

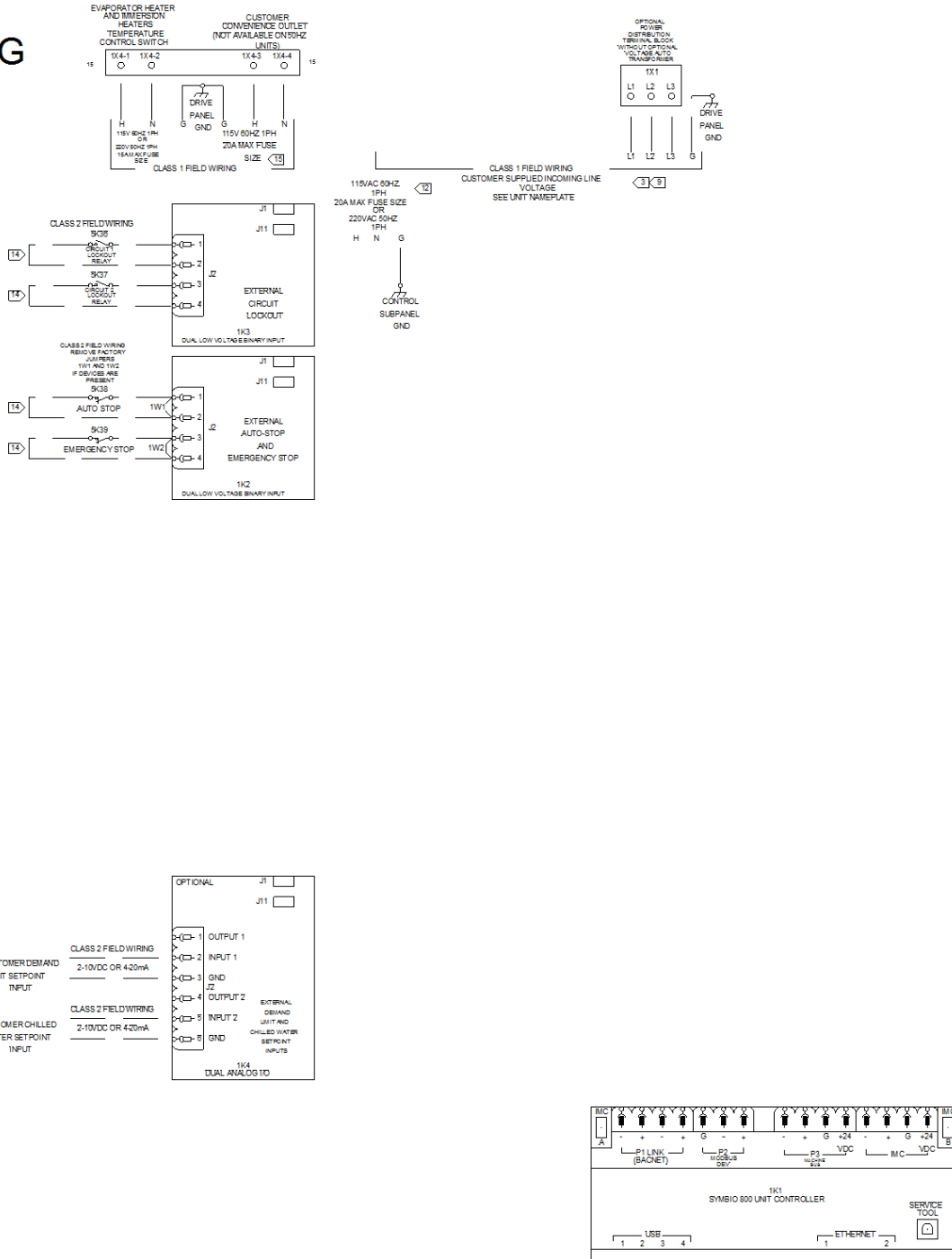
TOTAL OPERATING WEIGHT 13,600 lb  
MOUNTING HOLE DIAMETER 3/16"  
DIMENSIONAL TOLERANCE (MOUNTING LOCATIONS) +/- .1"  
WEIGHT TOLERANCE +/- 10%



# ISOLATOR SELECTIONS

- ML 1-6 ISOLATORS NOT SELECTED
- ML 7&8 ISOLATORS NOT SELECTED

# FIELD WIRING





## INCOMING CUSTOMER WIRING:

CUSTOMER CONNECTION SINGLE POINT POWER TO TERMINAL BLOCK  
SCCR 10,000 A

(2) 500MCM-#4AWG (PER PHASE)

## GENERAL NOTES:

1. WIRE REPRESENTED BY DASHED LINES INDICATE RECOMMENDED FIELD WIRING BY OTHERS.
2. ALL STANDARD AND OPTIONAL COMPONENTS SHOWN.
- 3 SINGLE SOURCE POWER IS PROVIDED AS STANDARD ON THIS PRODUCT. FIELD CONNECTIONS ARE MADE TO DEVICES 2Q1, 1Q1 OR 1X1.
4. ALL MOTORS ARE PROTECTED FROM PRIMARY SINGLE PHASE FAILURES.
5. CAUTION - TRANE PUMP CONTROL MUST BE USED TO PROVIDE PUMP CONTROL. EVAPORATOR CHILLED WATER PUMP MUST BE CONTROLLED BY THE CHILLER OUTPUT. FAILURE TO COMPLY WITH THIS REQUIREMENT MAY RESULT IN DAMAGE TO THE UNIT.
6. CAUTION - DO NOT ENERGIZE THE UNIT UNTIL CHECK OUT AND STARTUP PROCEDURES HAVE BEEN COMPLETED.

## WIRING REQUIREMENTS:

7. ALL FIELD WIRING MUST BE IN ACCORDANCE WITH THE NATIONAL ELECTRIC CODE (NEC), STATE AND LOCAL CODES.
8. DO NOT RUN LOW VOLTAGE CONTROL WIRING (30V OR LESS) IN CONDUIT WITH 110V OR HIGHER WIRING. DO NOT EXCEED THE FOLLOWING MAXIMUM RUN LENGTH FOR A GIVEN SIZE: 14 AWG OF 5000 FT, 16 AWG OF 2000 FT OR 18 AWG OF 1000 FT.
- 9 ALL UNIT POWER WIRING MUST BE 600V COPPER CONDUCTORS ONLY AND HAVE A MINIMUM TEMPERATURE INSULATION RATING OF 90 C. REFER TO UNIT NAMEPLATE FOR MINIMUM CIRCUIT AMPACITY AND MAXIMUM OVERCURRENT PROTECTION DEVICE. PROVIDE AN EQUIPMENT GROUNDING IN ACCORDANCE WITH APPLICABLE ELECTRIC CODES. REFER TO WIRE RANGE TABLE FOR LUG SIZES.
- 10 SHIELDED, TWISTED PAIR LEADS ARE REQUIRED FOR CONNECTIONS TO THE COMMUNICATIONS INTERFACE MODULES (1K1 OR OPTIONAL 1K6). THE SHIELD SHOULD BE GROUNDED AT THE UNIT CONTROL PANEL END.
- 11 22 AWG SHIELDED COMMUNICATION WIRE EQUIVALENT TO HELIX LF22P0014216 IS RECOMMENDED FOR WIRING TO NEXT UNIT. THE SUM TOTAL OF ALL INTERCONNECTED CABLE SEGMENTS ARE NOT TO EXCEED 4500 FT. CONNECTION TOPOLOGY SHOULD BE DAISY CHAIN. REFER TO BUILDING AUTOMATION SYSTEM (BAS) COMMUNICATION INSTALLATION LITERATURE FOR END OF LINE TERMINATION RESISTOR REQUIREMENTS.
- 12 ALL CUSTOMER SUPPLIED CONTROL CIRCUIT WIRING MUST BE COPPER CONDUCTORS ONLY AND HAVE A MINIMUM INSULATION RATING OF 300V. EXCEPT AS NOTED, ALL CUSTOMER WIRING CONNECTIONS ARE MADE TO CIRCUIT BOARD MOUNTED BOX LUGS WITH A WIRE RANGE OF 14 TO 18 AWG OR TO DIN RAIL MOUNTED SPRING FORCE TERMINALS.
- 15 EVAPORATOR HEATERS AND CUSTOMER CONVENIENCE OUTLET POWERED BY CHILLER WHEN LINE POWERED FEATURE IS SELECTED.

## CONTACT RATINGS AND REQUIREMENTS:

- 13 UNIT PROVIDED DRY CONTACTS FOR THE CONDENSER / CHILLED WATER PUMP CONTROL. RELAY CONTACT RATINGS AT 120VAC: 7.2A RESISTIVE, 2.88A PILOT DUTY, OR 1/3 HP, 7.2 FLA. CONTACTS ARE RATED FOR 240VAC, 5A GENERAL PURPOSE DUTY.
- 14 CUSTOMER SUPPLIED CONTACTS FOR ALL LOW VOLTAGE CONNECTIONS MUST BE COMPATIBLE WITH DRY CIRCUIT 24VDC FOR A 12mA RESISTIVE LOAD. SILVER OR GOLD PLATED CONTACTS ARE RECOMMENDED.

## Foundation

Provide rigid, non-warping mounting pads or a concrete foundation of sufficient strength and mass to support the applicable operating weight (i.e. including completed piping, and full operating charges of refrigerant, oil and water). The expectation of Trane equipment is that piping is fully supported by an independent structure/system, without being connected to the waterbox. Once in place, the unit must be level within 1/2" across the length and width of the unit. The Trane Company is not responsible for equipment problems resulting from an improperly designed or constructed foundation.

## Center of Gravity

Different unit configurations and options may cause a variation in the center of gravity from is listed in the submittal. Refer to the Installation, Operating and Maintenance manual for specific lifting instructions.

## General

Units are leak and pressure tested at 385.00 psi high side, 220.00 psi low side, then evacuated and charged.

Standard power connections include main three phase power to the compressors, condenser fans and control power transformer.

Note: A separate field supplied low voltage power source is required to power the evaporator freeze protection.

Unit panels, structural elements and control boxes are constructed of galvanized steel and mounted on a bolted galvanized steel base. Unit panels, control boxes and the structural base may be finished with a baked on powder paint.

Anytime water only is present in the evaporator, the Trane Symbio(TM) 800 controller must have flow control of the chilled water system. Flow control can be done either directly or through an input to a building automation system to conduct an action resulting in minimum flow through the chiller evaporator barrel to avoid potentially catastrophic damage to the evaporator due to freezing. If the system has sufficient glycol to protect down to the lowest expected ambient, flow control is optional.

## Factory Refrigeration Charge

Packaged units ship with a full operating charge of oil and HFC-134a refrigerant.

## Evaporator Insulation

The evaporator is a tube-in-shell heat exchanger design with internally and externally finned copper tubes roller expanded into the tube sheet. The evaporator is designed, tested and stamped in accordance with ASME Pressure Vessel Code Section VIII for a refrigerant side working pressure of 200 psig (1379 kPa). The evaporator is designed for a water side working pressure of 150 psig (1034 kPa). Water connections are grooved pipe. Each shell includes a vent, a drain and fittings for temperature control sensors and is insulated with UV resistant 0.75 inch Armaflex II or equal insulation (K=0.28). Insulation also covers the liquid and suction line and evaporator heads. Heaters, with thermostat, are provided to help protect the evaporator from freezing at ambient installation temperatures down to -20 F (-29 C).

## Evaporator Temperature

Unit is designed for operation in standard leaving evaporator temperature (equal to or greater than 40.0 F).

## ASME/Canadian Pressure Vessel Code

Chiller complies with ASME Pressure Vessel Code Section VIII. ASME nameplates are attached to applicable pressure vessels including oil separators.

## Condenser

Air-cooled condenser coils have aluminum fins mechanically bonded to internally finned copper tubing. The condenser coil has an integral subcooling circuit.

### **Condenser Coating**

Completely assembled coils are dipped and baked in an electro-mechanically bonded flexible epoxy coating. Provides uniform epoxy coating on all surfaces on condenser coil. Allows for corrosion resistance without performance degradation. Coils with coating passed 6000-hour salt spray test.

### **Condenser Fans**

Condenser fans are direct-drive vertical discharge. The condenser fan motors are permanent magnet motors with integrated drive to provide variable speed fan control for all fans. They are designed with permanently lubricated ball bearings, internal temperature and current overload protection, and customer fault feedback as a standard product offering. The fan impeller is a nine bladed-shrouded fan made from heavy-duty molded plastic.

### **Condenser Low Ambient**

Low ambient units will start and operate between 0.0 F to 105.0 F ambient.

### **Sound - Invisi Sound Standard**

Each variable speed rotary screw compressor will have a muffler as standard and each condenser fan will be low noise as standard.

### **Compressor and Lube Oil System**

The rotary screw compressor is semi-hermetic, direct drive with capacity control via an adaptive frequency drive, rolling element bearings, differential refrigerant pressure oil pump and oil heater. The motor is a suction gas cooled, hermetically sealed, permanent magnet motor. An oil separator is provided separate from the compressor. Oil filtration is provided internal to the compressor. Check valves in the compressor discharge and lube oil system are also provided.

### **Drive Cooling System**

Each refrigeration circuit has a compressor drive cooling circuit.

### **Refrigeration Circuit**

Each unit has two refrigerant circuits, with one or two rotary screw compressor per circuit. Each refrigerant circuit includes a compressor suction and discharge service valve, liquid line shutoff valve, removable core filter, liquid line sight glass with moisture indicator, charging port and an electronic expansion valve. Fully modulating compressors and electronic expansion valves provide variable capacity modulation over the entire operating range.

### **Unit Controls**

All unit controls are housed in an outdoor rated weather tight enclosure with removable plates to allow for customer connection of power wiring and remote interlocks. All controls, including sensors, are factory mounted and tested prior to shipment. Microcomputer controls provide all control functions including startup and shut down, leaving chilled water temperature control, evaporator flow proving, compressor staging and speed control, electronic expansion valve modulation, condenser fan sequencing and speed control, anti-recycle logic, automatic lead/lag compressor starting and load limiting.

The Symbio(TM) 800 unit control module, utilizing Adaptive Control microprocessor, automatically takes action to avoid unit shut-down due to abnormal operating conditions associated with low refrigerant pressure, high condensing pressure, VFD/Compressor current overload, low oil return or low VFD cooling, low discharge superheat, and high compressor discharge temperature. Should the abnormal operating condition continue until a protective limit is violated, the unit will be shut down. Unit protective functions of the Symbio(TM) 800, include loss of chilled water flow, evaporator freezing, low refrigerant pressure, high refrigerant pressure, high compressor motor temperature, and loss of oil to the compressor.

## Unit Display

A full color TD-7 AdaptiView touch screen display indicates all important unit and circuit parameters, in logical groupings on various screens. The parameters including chilled water set point, leaving chilled water temperature, demand limit set point, evaporator and condenser refrigerant temperatures and pressures, compressor and fan speeds, and all pertinent electrical information. The display also provides on screen trending graphs of predefined parameters as well as customizable trend graphs based on user defined parameters from a list of all available parameters. The display also provides indication of the chiller and circuits top level operating modes with detailed sub-mode reports available with a single key press, as well as diagnostics annunciation and date and time stamped diagnostic history. The standard color display is fully outdoor rated, and, can be viewed in full daylight without opening any control panel doors.

The display is outdoor capable including an UV resistant touchscreen with removable metal cover

## Chilled Water Reset

This provides the control logic and factory installed sensors to reset leaving chilled water temperature. The set point can be reset based on ambient temperature or return evaporator water temperature.

## Factory Mounted Flow Proving - Water

The factory installed evaporator water flow switch is provided with the control logic to turn the chilled water flow on and off as the chiller requires for operation and protection.

## Compressor Starter - Variable Frequency Drive

The compressors on the ACR chillers are driven by Variable Frequency Drives (VFD). The drives are hybrid cooled by both water/glycol through the chillplate to cool the power electronics and also forced air for other components in the drive. The drives include custom programming for Trane application to provide chiller specific protections and stable compressor operation across the operating map. Protections include compressor overload, low or high line voltage, output phase loss, input phase loss, drive overheating, and more. The drives communicate over a serial connection (Modbus) to the Tracer® Symbio(TM) 800 unit control module for run-time control, real-time data feedback, and diagnostics.

## Power Line Connection - Terminal Block

Power line connection type is standard with a terminal block.

## Short Circuit Rating - Default

A short circuit current rating offers a measure of safety for what the starter panel enclosure is able to withstand in the event of a phase to phase, phase to ground, or similar fault caused by a short circuit.

Short circuit current rating of 10kA is provided.

## Architectural Louvered Panels

Louvered panels cover the complete condensing coil and service area beneath the condenser.

## Convenience Outlet

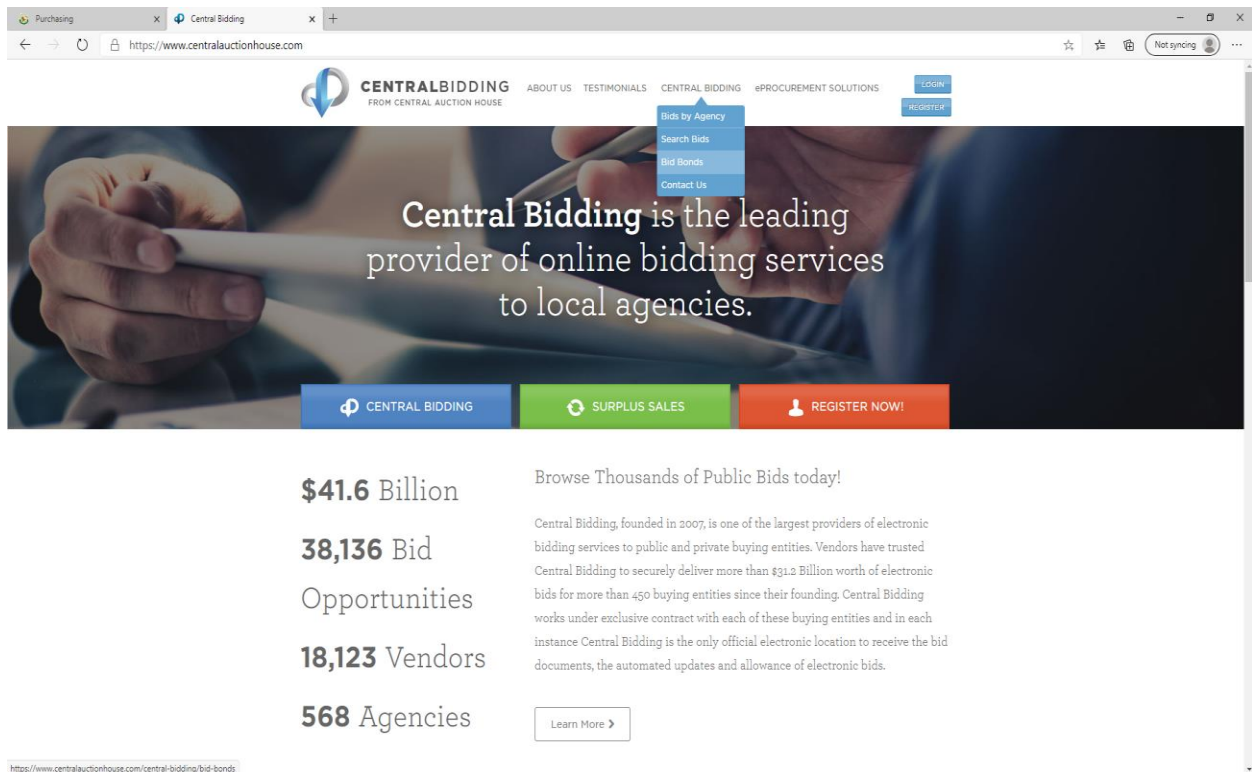
Provides a 20A, 115Vac (60 Hz) convenience outlet on the unit.

Note: An additional field supplied power connection must be provided to power the convenience outlet.

# 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.



The screenshot shows a web browser window with the URL <https://www.centrauctionhouse.com>. The page features a navigation bar with the following links: ABOUT US, TESTIMONIALS, CENTRAL BIDDING, and #PROCUREMENT SOLUTIONS. A dropdown menu is open under 'CENTRAL BIDDING', listing: Bids by Agency, Search Bids, Bid Bonds, and Contact Us. The 'Bid Bonds' option is highlighted. Below the navigation is a hero section with a background image of hands holding a pen over a document. The text reads: 'Central Bidding is the leading provider of online bidding services to local agencies.' Below this are three buttons: 'CENTRAL BIDDING', 'SURPLUS SALES', and 'REGISTER NOW!'. The main content area is divided into two columns. The left column lists statistics: '\$41.6 Billion', '38,136 Bid Opportunities', '18,123 Vendors', and '568 Agencies'. The right column has the heading 'Browse Thousands of Public Bids today!' followed by a paragraph: 'Central Bidding, founded in 2007, 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 \$31.2 Billion worth of electronic bids for more than 450 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.' A 'Learn More >' button is located at the bottom of the right column. At the bottom left of the page, the URL <https://www.centrauctionhouse.com/central-bidding/bid-bonds> is visible.

DATE: 8/09/2023  
BID NO.: 50-00143093

INVITATION TO BID  
THIS IS NOT AN ORDER

Page: 1

## JEFFERSON PARISH

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

BUYER: SFOLSE@jeffparish.net

**BIDS WILL BE RECEIVED ONLINE VIA WWW.JEFFPARISHBIDS.NET UNTIL 2:00 PM, 9/14/2023 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. 113646 and/or Resolution No. 113647 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 buyer'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)**



All formal Addenda require written acknowledgement on the bid form by the bidder. Failure to acknowledge an 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).

**INSTRUCTIONS FOR BIDDERS AND GENERAL CONDITIONS**

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. 113646 or 113647 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, 5, 6, 8, 9, 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 with bid submission. Failure to submit applicable certifications with bid submission 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.**

**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 \_\_\_\_\_

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) \_\_\_\_\_

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

FIRM NAME: \_\_\_\_\_

ADDRESS: \_\_\_\_\_

CITY, STATE: \_\_\_\_\_ ZIP: \_\_\_\_\_

TELEPHONE: ( ) \_\_\_\_\_ FAX: ( ) \_\_\_\_\_

EMAIL ADDRESS: \_\_\_\_\_

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: \$ \_\_\_\_\_

AUTHORIZED  
SIGNATURE: \_\_\_\_\_

Printed Name

TITLE: \_\_\_\_\_

**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.**

INVITATION TO BID FROM JEFFERSON PARISH - continued

BID NO.: 50-00143093

SEALED BID

ITEM NUMBER	QUANTITY	U/M	DESCRIPTION OF ARTICLES	UNIT PRICE QUOTED	TOTALS
1	1.00	JOB	<p>Labor &amp; Materials Needed to Remove, Supply &amp; Install New Air-Cooled Water Chiller Systems at The Jefferson Parish Performing Arts Center</p> <p>0010 - PROVIDE ALL LABOR, MATERIALS, DELIVERY, EQUIPMENT, AND ALL OTHER INCIDENTALS NECESSARY TO REMOVE TWO (2) EXISTING TRANE AIR-COOLED CHILLER SYSTEMS AND SUPPLY AND INSTALL TWO (2) NEW 200-TON TRANE AIR-COOLED WATER CHILLER SYSTEMS, MODEL NUMBER: ACRB2005E UA*XUUCXNC2XFNLBKEV1TANXXXAAXXXX0XX AT THE:</p> <p>JEFFERSON PERFORMING ARTS CENTER 6400 AILINE DRIVE METAIRIE, LA 70003</p> <p>***PLEASE SEE ATTACHED SPECIFICATIONS***</p>	<p>\$</p>	<p>\$</p>

## **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** \_\_\_\_\_

**PARISH/COUNTY OF** \_\_\_\_\_

BEFORE ME, the undersigned authority, personally came and appeared: \_\_\_\_\_  
\_\_\_\_\_, (Affiant) who after being by me duly sworn, deposed and said that  
he/she is the fully authorized \_\_\_\_\_ of \_\_\_\_\_ (Entity),  
the party who submitted a bid in response to Bid Number \_\_\_\_\_, 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** \_\_\_\_\_ 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** \_\_\_\_\_ 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.

\_\_\_\_\_  
Signature of Affiant

\_\_\_\_\_  
Printed Name of Affiant

SWORN AND SUBSCRIBED TO BEFORE ME

ON THE \_\_\_\_\_ DAY OF \_\_\_\_\_, 20\_\_.

\_\_\_\_\_  
Notary Public

\_\_\_\_\_  
Printed Name of Notary

\_\_\_\_\_  
Notary/Bar Roll Number

My commission expires \_\_\_\_\_.

## CORPORATE RESOLUTION

EXCERPT FROM MINUTES OF MEETING OF THE BOARD OF DIRECTORS OF  
\_\_\_\_\_  
INCORPORATED.

AT THE MEETING OF DIRECTORS OF \_\_\_\_\_  
INCORPORATED, DULY NOTICED AND HELD ON \_\_\_\_\_,  
A QUORUM BEING THERE PRESENT, ON MOTION DULY MADE AND SECONDED. IT  
WAS:

RESOLVED THAT \_\_\_\_\_, 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.

\_\_\_\_\_  
**SECRETARY-TREASURER**

\_\_\_\_\_  
**DATE**

## **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.