



## REQUEST FOR PROPOSALS

### Regenstein African Journey HVAC System Installations & Upgrades

#### **Introduction**

Lincoln Park Zoo is a historic, 49-acre zoo located in the heart of Chicago. Lincoln Park Zoo cares for nearly 175 species, employs almost 300 full-time and seasonal workers, and welcomes 3 million visitors annually from around the world. It is committed to Chicago's communities, offering camps, programs, and events year-round.

#### **Overview**

Lincoln Park Zoo is seeking proposals from qualified vendors for the procurement, installation, and upgrading of specific HVAC systems in the zoo's Regenstein African Journey building.

#### **Scope**

1. **Mechanical Room Exhaust Fan Replacement:**
  - Removal and disposal of existing exhaust fan.
  - Procurement and installation of new exhaust fan.
  - Connection to existing ductwork and power supply.
  - Testing and commissioning of the new exhaust fan.
  - Exhaust fan is located on the east side of the Regenstein African Journey building.
  - Reference photos 1a – 1c.
2. **Replacement of Air Handler Units (AHUs) on the North & West Roof:**
  - Removal and disposal of four (4) existing AHUs.
  - Procurement and installation of four (4) like-for-like AHU replacements.
  - Connection to existing ductwork, electrical supply and control systems.
  - Testing and commissioning of the new AHUs.
  - Reference photos 2a – 2d.
3. **Replacement of HVAC Coils in Rhino Area:**
  - Removal and disposal of existing coils.

- Procurement and installation of new like-for-like coil replacements.
- Connection to existing HVAC system components.
- Testing and commissioning of new coils.
- Access to coils is through a hatch on the roof (reference photo 3a).
- Reference photos 3a – 3d.

## **Logistics**

- **Project Schedule**
  - RFP Released: June 14, 2024
  - Proposals Due: July 5, 2024
  - Decision communicated: Week of July 22, 2024
  - Installation Goal: Summer 2024
- **Submission Requirements**
  - Provide an overview of the company's organization, resources, and support capabilities.
  - Include detailed specifications of equipment including brand, model, capacity, energy efficiency ratings, and warranties.
  - Include detailed breakdown of costs including equipment, labor, materials, and any additional expenses.
  - Provide installation plan and timeline.
  - Provide information regarding bidder's status in the Business Enterprise Program (BEP): Minority Business Enterprise, Women Business Enterprise, etc. Contractors certified as such are preferred.
  - Include your company's Diversity Statement or policy.
  - Provide a list of current and past projects employing your company's services that have similar requirements to those of the zoo's proposal.
  - Successful bidders must comply with the Illinois Prevailing Wage Act.
  - The preferred format for submission is PDF.
- **Submission Inquiries and Delivery**
  - A site walk-through may be scheduled if prospective bidders are interested. Please reach out to Project Manager Hannah Sorich via email at [hsorich@lpzoo.org](mailto:hsorich@lpzoo.org) to schedule.
  - If you have questions, please email Director of Purchasing Marla Molinelli at [mmolinelli@lpzoo.org](mailto:mmolinelli@lpzoo.org) and Project Manager Hannah Sorich at [hsorich@lpzoo.org](mailto:hsorich@lpzoo.org).
  - Please submit your proposals to Director of Purchasing Marla Molinelli at [mmolinelli@lpzoo.org](mailto:mmolinelli@lpzoo.org) and Project Manager Hannah Sorich at [hsorich@lpzoo.org](mailto:hsorich@lpzoo.org) by July 5, 2024. Late proposals will not be accepted.

## **Selection Criteria**

Selection criteria will include, but not be limited to, the following:

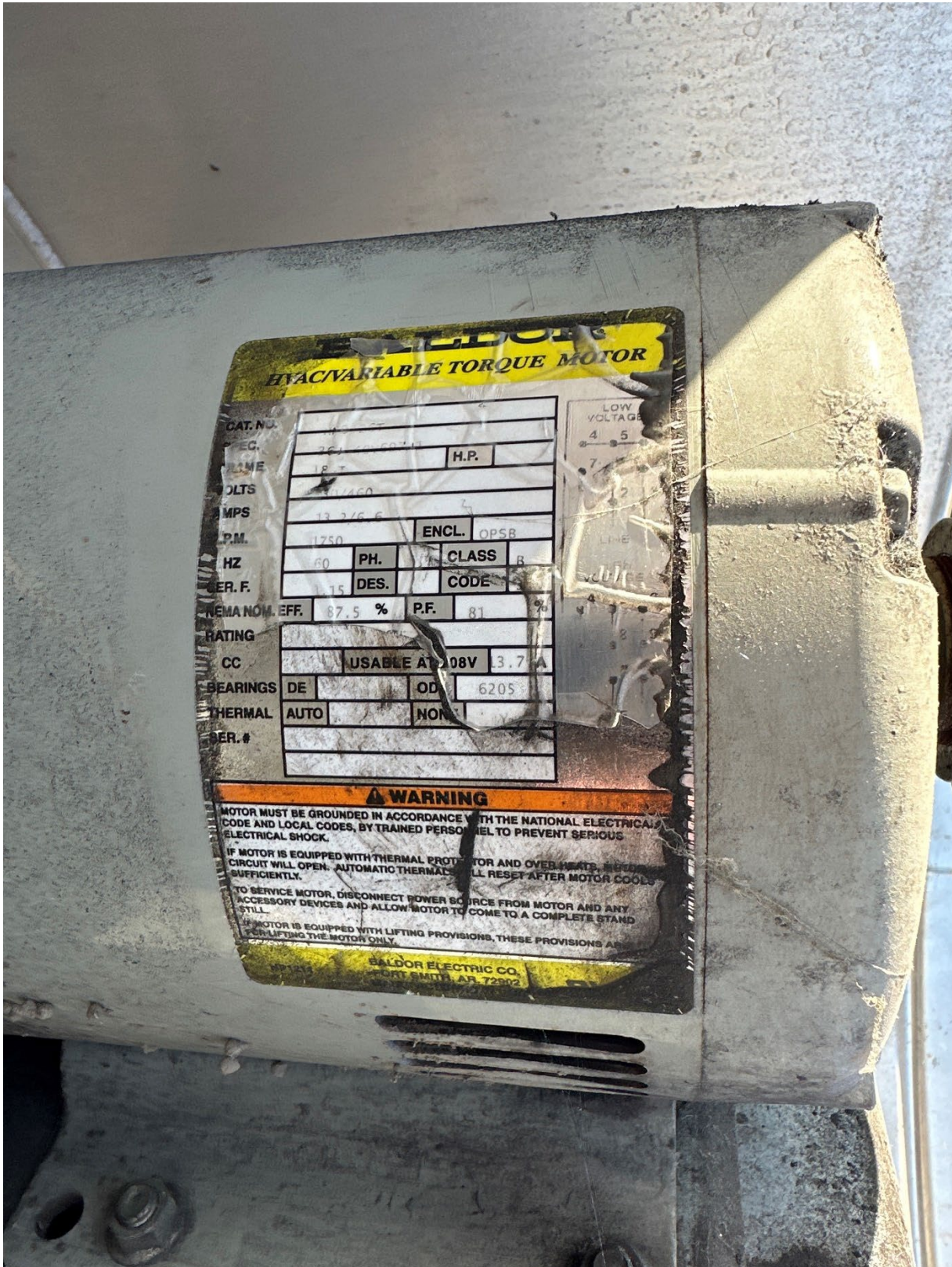
- Quality and suitability of the proposed equipment and installation plans.
- Qualifications and experience.
- Current and previous comparable projects.
- Timeline and budget.

**Reference Photos**

1a.



1b.



1c.



2a.




2b.

ATED OPERATING LEVEL  
R IS STARTED,  
REVERSE ROTATION,  
B REMOTE

use severe personal injury

AT THE UNIT HIGH  
IT POWER, RE-START

BY CLOSING THE SYSTEM  
SWITCH. THIS ENERGIZES THE  
HEATER WHICH EVAPORATES THE  
REFRIGERANT IN THE CRANKCASE. ALLOW  
FOR EACH POUND OF REFRIGERANT IN  
AS NOTED ON THE UNIT NAMEPLATE.  
ER ELAPSED TIME THE THERMOSTAT  
TO OPERATE THE COMPRESSOR.  
REQUIRED FOR SAFETY WHILE SERVING  
EN SYSTEM DISCONNECT SWITCH.



**CAUTION**  
**CONTAINS REFRIGERANT!**  
SYSTEM CONTAINS OIL AND REFRIGERANT UNDER HIGH PRESSURE. RECOVER REFRIGERANT TO RELIEVE PRESSURE BEFORE OPENING THE SYSTEM.  
Failure to follow proper procedures can result in personal illness or injury or severe equipment damage.

**AMERICAN STANDARD INC.**  
**THE TRANE CO.**  
CULLEN, LA 71021

**Odyssey**

MODEL NO. **TTA180B300EA** SERIAL NO. **2072LPLAD**  
MFG. DATE **02/2002** SUITABLE FOR OUTDOOR USE

CPR. MOT. (2) **26.0 RLA 208/230** V3 PH 60 HZ **162 LRA**  
I.D. MOT. ( ) -- FLA -- V-PH -- HZ -- HP  
O.D. MOT. (2) **3.1 FLA 208-230** V1 PH 60 HZ -- HP  
TEST PSI HIGH **376** LOW **150**  
REFRIGERANT **22** "A" CPR -- LBS -- OZ  
FIELD CHARGE "B" CPR -- LBS -- OZ

**FOR CHARGING DATA SEE UNIT SERVICE FACTS.**


MIN CKT AMPS **64.7**

**DATA FOR U.S.A. INSTALLATION**  
BR. CKT. SEL. CUR. -- -- AMPS  
MAX. FUSE (AMPS) **90** HACR TYPE CKT. BREAKER **90** AMPS


**DATA FOR CANADIAN INSTALLATION**  
MAX. FUSE (AMPS) -- -- CKT. BREAKER -- -- AMPS  
CAPACITY COOLING -- -- KW/HR. HEATING -- -- KW/HR  
EXTERNAL STATIC PRESSURE -- -- MM OF WATER  
MAXIMUM DISCHARGE TEMPERATURE IS **34 °C.**

SEE "ELECTRIC HEATER INSTALLED"  
NAMEPLATE FOR HEATER RATING

**ASSEMBLED IN U.S.A.** D922272P01



CERTIFICATION APPLIES ONLY WHEN THE COMPLETE SYSTEM IS LISTED WITH ARI



**LISTED**  
SECTION OF  
HEAT PUMP  
7F60  
TWA180 - 240B 300,  
400, W00  
C664701P03



2c.




2d.

STATED OPERATING LEVEL  
OR IS STARTED.  
REVERSE ROTATION,  
G REMOTE

use severe personal injury

S AT THE UNIT HIGH  
NIT POWER, RE-START

ER BY CLOSING THE SYSTEM  
T SWITCH. THIS ENERGIZES THE  
OR HEATER WHICH EVAPORATES THE  
RIGERANT IN THE CRANKCASE. ALLOW  
S FOR EACH POUND OF REFRIGERANT IN  
M AS NOTED ON THE UNIT NAMEPLATE.  
OPER ELAPSED TIME THE THERMOSTAT  
ET TO OPERATE THE COMPRESSOR.  
S REQUIRED FOR SAFETY WHILE SERVING  
OPEN SYSTEM DISCONNECT SWITCH.

  
**CAUTION**  
**CONTAINS REFRIGERANT!**  
SYSTEM CONTAINS OIL AND REFRIGERANT UNDER HIGH PRESSURE. RECOVER REFRIGERANT TO RELIEVE PRESSURE BEFORE OPENING THE SYSTEM.  
Failure to follow proper procedures can result in personal illness or injury or severe equipment damage.

**AMERICAN STANDARD INC.**  
**THE TRANE CO.**  
CULLEN, LA 71021

**Odyssey™**

MODEL NO. TTA180B300EA SERIAL NO. 207316XAD  
MFG. DATE 02/2002 SUITABLE FOR OUTDOOR USE

CPR. MOT. (2) 26.0 RLA 206/230	V3 PH 60 HZ 162 LRA
I.D. MOT. ( ) -- FLA --	V--PH --HZ --HP
O.D. MOT. (2) 3.1 FLA 208-230	V1 PH 60 HZ --HP

TEST PSI HIGH 376 LOW 150

REFRIGERANT 22 "A" CPR -- LBS -- OZ  
FIELD CHARGE "B" CPR -- LBS -- OZ

FOR CHARGING DATA SEE UNIT SERVICE FACTS.

MIN CKT AMPS 64.7

DATA FOR U.S.A. INSTALLATION

BR. CKT. SEL. CUR.	AMPS
MAX. FUSE (AMPS) 90 HACR TYPE CKT. BREAKER	90 AMPS

DATA FOR CANADIAN INSTALLATION

MAX. FUSE (AMPS)	CKT. BREAKER	AMPS
CAPACITY COOLING	KW/HR. HEATING	KW/HR
EXTERNAL STATIC PRESSURE		MM OF WATER
MAXIMUM DISCHARGE TEMPERATURE IS 94 °C.		

SEE "ELECTRIC HEATER INSTALLED" NAMEPLATE FOR HEATER RATING

**ASSEMBLED IN U.S.A.** 0932272P01

 CERTIFICATION APPLIES ONLY WHEN THE COMPLETE SYSTEM IS LISTED WITH A/C	 <b>LISTED</b> SECTION OF HEAT PUMP 7F60 TWA180 - 240B-300, 400, W00 G884701P03
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3a.



3b.



3c.



MCC UNIT

SERIAL NO. K02A06477

TAG: AHU-6/7

MODULE AA OF 05

SERVICE MODEL NO.

-----1-----+---  
MCCA050UB0B00000U

MANUFACTURED UNDER ONE OR MORE OF THE FOLLOWING  
PATENT NO'S. 4900108, 5396782, 5056594, 5674125

ORDER NO. R1W277E B/M A

THE TRANE COMPANY, A DIVISION OF AMERICAN STANDARD INC. MADE IN U.S.A. X39500287-01



**⚠ WARNING**

**HAZARDOUS VOLTAGE!**

**DISCONNECT ALL ELECTRIC POWER**

3d.



FAN SECTION MODULE  
HORIZONTAL

SERIAL NO. K02A06482

TAG: AHU-6/7

MODULE 05 OF 05

SERVICE MODEL NO. MODULE

-----+-----1-----+-----2-----+-----3-----+-----4-----+-----5-----  
MCCA050GAZ0ACA000L0CDA00C0A00000AC000D0000000A0A0AB00000

MOTOR VOLTAGE	MOTOR HORSEPOWER	
200/60/3	30	92

EXTERNAL OVERLOAD DEVICE IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE (OR CEC) IS REQUIRED WHEN NOT PROVIDED BY TRANE.

SUPPLY AIR TEMPERATURE LIMITATIONS: 104 F MAX. DRAW-THRU  
: 200 F MAX. BLOW-THRU

MANUFACTURED UNDER ONE OR MORE OF THE FOLLOWING  
PATENT NO'S. 4900108. 5396782. 5056594. 5674125  
ORDER NO. R1W277E B/M A

THE TRANE COMPANY, A DIVISION OF AMERICAN STANDARD INC. MADE IN U.S.A. X39500287-01

No. 236



6-01 (05/96)

START BEFORE  
CHECKS IN MANUAL.

CHECKS INCLUDE: