LINCOLN PARK ZOO.
FOR WILDLIFE. FOR ALL.

REQUEST FOR PROPOSALS

FY26 HVAC Phase 1

Introduction

Lincoln Park Zoo is a historic, 49-acre zoo located in the heart of Chicago. Lincoln Park Zoo cares for more than 175 animal species, employs almost 300 full-time and seasonal staff, and welcomes more than 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 throughout the Zoo.

Scope

1. Cooling Solution for Regenstein African Journey (RAJ) – Ozone room and building entry vestibule
2. Farm in the Zoo (FITZ) Main Barn Program Room – Replace non-functioning unit
3. Regenstein Macaque Forest (RMF) animal building AHU – Replace unit
4. Helen Brach Primate House (PH) Animal Prep Kitchen AC – Propose solution in currently unconditioned space
5. Nutrition Center Dry Storage Room - Propose solution in currently unconditioned space

   Note: Please quote each project individually, it is our intention to award projects on an individual basis, not as an entire package.

Logistics

- RFP Schedule
  - RFP Released: June 9, 2025
  - Proposals Due: **July 7, 2025**
  - Site visits must be completed prior to June 30, 2025

- Submission Requirements
  - Provide an overview of the company's organization, resources, and support capabilities.
  - Provide detailed specifications of equipment including brand, model, capacity, energy efficiency ratings, and warranties. All proposals must include a minimum two-year maintenance agreement.
  - Give a detailed breakdown of costs including equipment, labor, materials, and any additional expenses.
  - Include installation plan and timeline.
  - Provide information regarding bidder's status in the Business Enterprise Program (BEP): Minority Business Enterprise, Women Business Enterprise, etc.
  - 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.
- The final invoice will not be paid until Vendor has delivered and Lincoln Park Zoo has received all of the following items:
  - Complete warranty information for all installed equipment and materials.
  - Digitized copies of all operating manuals.
  - Recommended preventative maintenance schedules and procedures.
  - Progress reports with corresponding photographs taken during installation.
  - When necessary and as agreed to, Vendor facilitated training of zoo users.
- Vendor shall detail any planned use of non-union labor. This notification must include the following. details:
  - The scope of work to be performed by non-union labor.
  - The estimated number of non-union workers to be employed.
  - The duration of the employment of non-union labor.

- Submission Inquiries and Delivery

  - Please submit your proposals via email to Purchasing Manager Dana Andrews at dandrews@lpzoo.org and Project Manager Hannah Sorich at hsorich@lpzoo.org. Late proposals will not be accepted.
  - Site visits can be scheduled via Hannah Sorich at hsorich@lpzoo.org . Site visits must be completed prior to June 30, 2025.

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

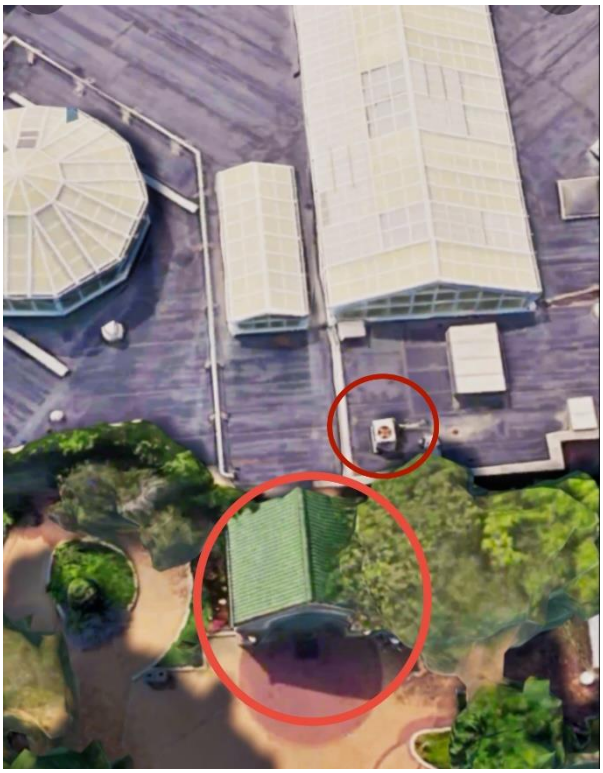
Project Name: Cooling Solution for RAJ

Location: RAJ behind-the-scenes ozone room / RAJ building entry vestibule

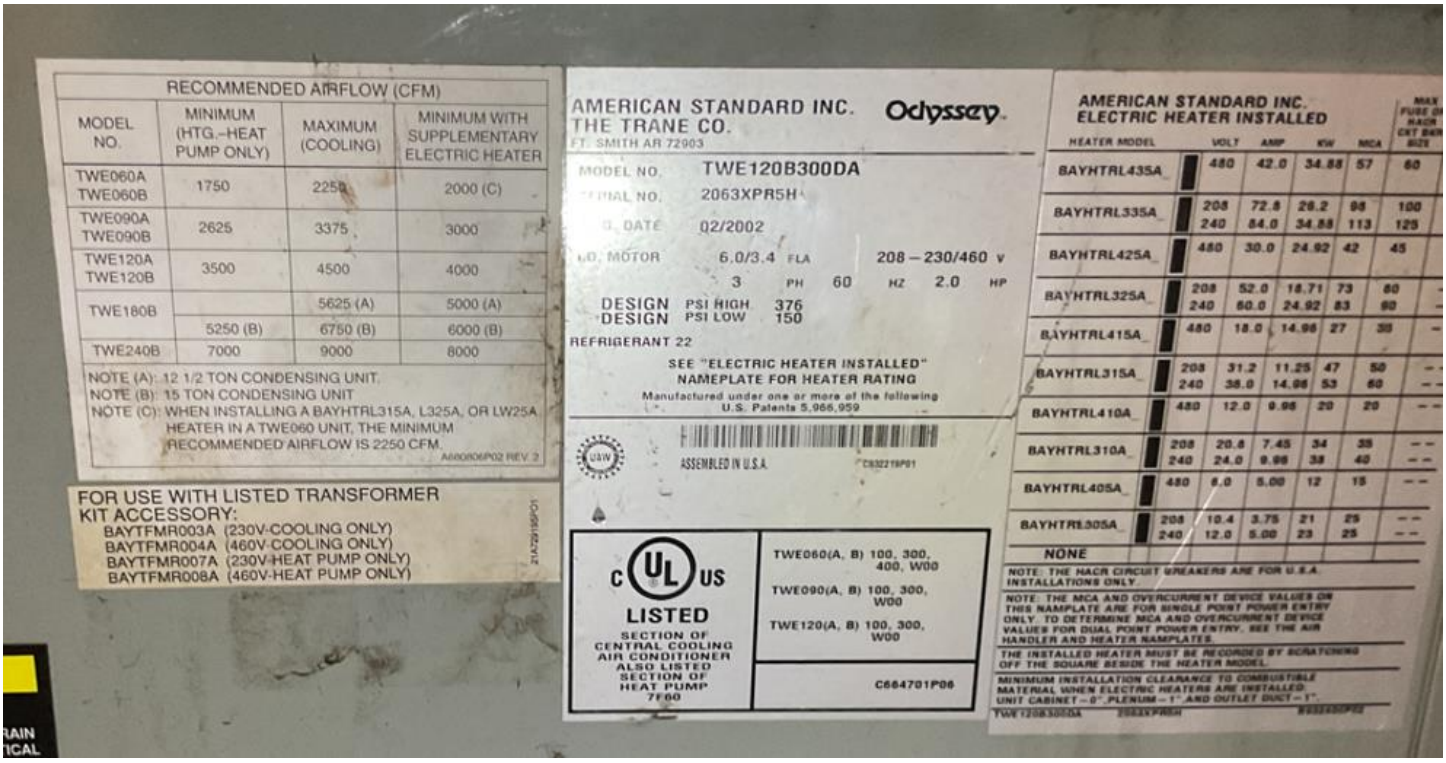
Projected Timing: Summer / Fall 2025

Scope

- The existing rooftop air handling unit (AHU) responsible for climate control in the RAJ ozone room (behind-the-scenes upstairs) and the RAJ building entry vestibule (first floor) is currently non-operational.
    - Primary need: Climate control is critical to maintaining appropriate (cool) temperatures for the 25' X 10' ozone room so that the door to this room can be kept closed 24/7 for the containment of ozone in the case of a system failure, and cooling is necessary for the functionality of sensitive ozone equipment that cannot overheat.
    - Secondary need: Climate control (heating and cooling) for the RAJ building entry vestibule for the guest experience. The piping in the vestibule is currently valved off to prevent rupture during winter when there is no heat in this vestibule. The historic AHU unit caused problematic condensation in the vestibule, so an alternative heating and/or cooling source would be preferred.
- Propose alternative
  1. Add split units to ozone room and vestibule
  2. Repair or replace existing AHU
  3. Re-engineer and/or upgrade exhaust solution for the ozone room
  4. Add cabinet heaters in vestibule



RAJ building entry vestibule and existing (non-functioning) AHU roof top (served entry vestibule and ozone room)



RECOMMENDED AIRFLOW (CFM)

MODEL NO.	MINIMUM (HTG.–HEAT PUMP ONLY)	MAXIMUM (COOLING)	MINIMUM WITH SUPPLEMENTARY ELECTRIC HEATER
TWE060A TWE060B	1750	2250	2000 (C)
TWE090A TWE090B	2625	3375	3000
TWE120A TWE120B	3500	4500	4000
TWE180B		5625 (A)	5000 (A)
	5250 (B)	6750 (B)	6000 (B)
TWE240B	7000	9000	8000

NOTE (A): 12 1/2 TON CONDENSING UNIT.
NOTE (B): 15 TON CONDENSING UNIT.
NOTE (C): WHEN INSTALLING A BAYHTRL315A, L325A, OR LW25A HEATER IN A TWE060 UNIT, THE MINIMUM RECOMMENDED AIRFLOW IS 2250 CFM.

A660806P02 REV. 2

FOR USE WITH LISTED TRANSFORMER KIT ACCESSORY:
BAYTFMR003A (230V-COOLING ONLY)
BAYTFMR004A (460V-COOLING ONLY)
BAYTFMR007A (230V-HEAT PUMP ONLY)
BAYTFMR008A (460V-HEAT PUMP ONLY)

AMERICAN STANDARD INC.
THE TRANE CO.
FT. SMITH AR 72903

Odyssey

MODEL NO. TWE120B300DA
SERIAL NO. 2063XPR5H
M.O. DATE 02/2002
M.O. MOTOR 6.0/3.4 FLA 208 – 230/460 V
3 PH 60 HZ 2.0 HP
DESIGN PSI HIGH 376
DESIGN PSI LOW 150
REFRIGERANT 22

SEE "ELECTRIC HEATER INSTALLED" NAMEPLATE FOR HEATER RATING

Manufactured under one or more of the following U.S. Patents 5,966,959

ASSEMBLED IN U.S.A.

C UL US LISTED
SECTION OF CENTRAL COOLING AIR CONDITIONER
ALSO LISTED SECTION OF HEAT PUMP 7F60

TWE060(A, B) 100, 300, 400, W00
TWE090(A, B) 100, 300, W00
TWE120(A, B) 100, 300, W00

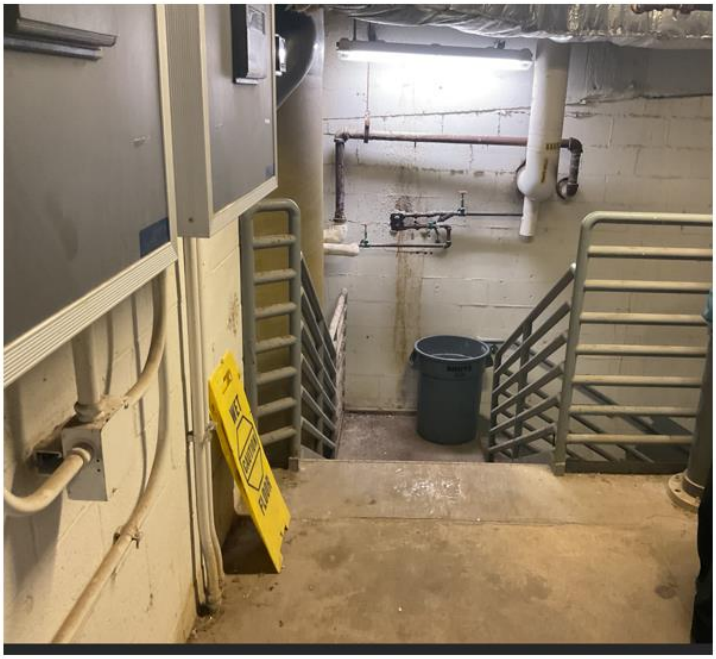
C664701P06

AMERICAN STANDARD INC.
ELECTRIC HEATER INSTALLED

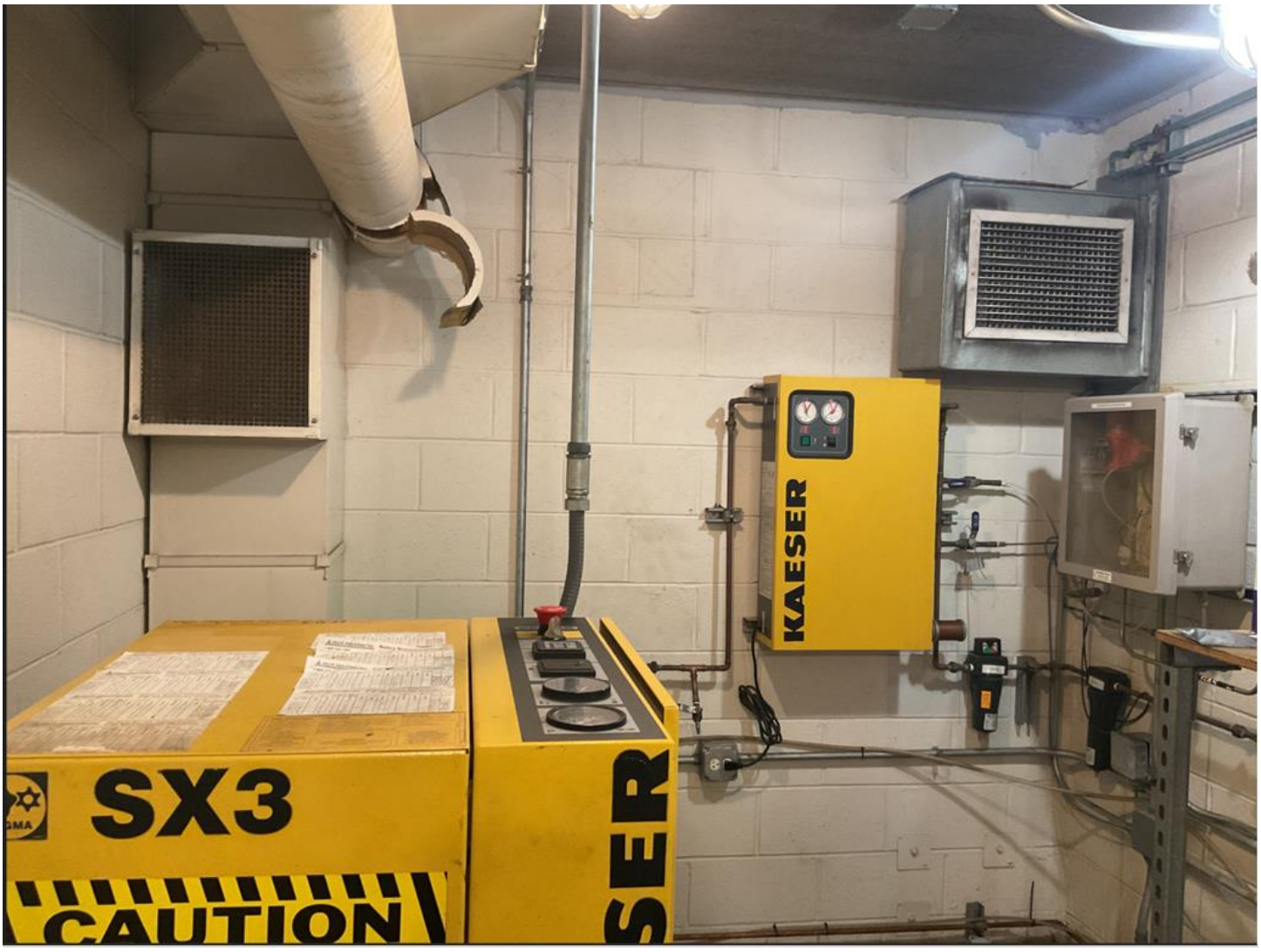
HEATER MODEL	VOLT	AMP	KW	MCA	MAX FUSE OR NACR CKT BKR SIZE
BAYHTRL435A	480	42.0	34.88	57	60
BAYHTRL335A	208	72.8	26.2	98	100
	240	84.0	34.88	113	125
BAYHTRL425A	480	30.0	24.92	42	45
BAYHTRL325A	208	52.0	18.71	73	80
	240	60.0	24.92	83	90
BAYHTRL415A	480	18.0	14.96	27	35
BAYHTRL315A	208	31.2	11.25	47	50
	240	36.0	14.96	53	60
BAYHTRL410A	480	12.0	9.96	20	20
BAYHTRL310A	208	20.8	7.45	34	35
	240	24.0	9.96	38	40
BAYHTRL405A	480	8.0	5.00	12	15
BAYHTRL305A	208	10.4	3.75	21	25
	240	12.0	5.00	23	25
NONE					

NOTE: THE NACR CIRCUIT BREAKERS ARE FOR U.S.A. INSTALLATIONS ONLY.
NOTE: THE MCA AND OVERCURRENT DEVICE VALUES ON THIS NAMEPLATE ARE FOR SINGLE POINT POWER ENTRY ONLY. TO DETERMINE MCA AND OVERCURRENT DEVICE VALUES FOR DUAL POINT POWER ENTRY, SEE THE AIR HANDLER AND HEATER NAMPLATES.
THE INSTALLED HEATER MUST BE RECORDED BY SCRATCHING OFF THE SQUARE BESIDE THE HEATER MODEL.
MINIMUM INSTALLATION CLEARANCE TO COMBUSTIBLE MATERIAL WHEN ELECTRIC HEATERS ARE INSTALLED: UNIT CABINET – 0", PLENUM – 1", AND OUTLET DUCT – 1".

TWE120B300DA 2063XPR5H



Ozone Room



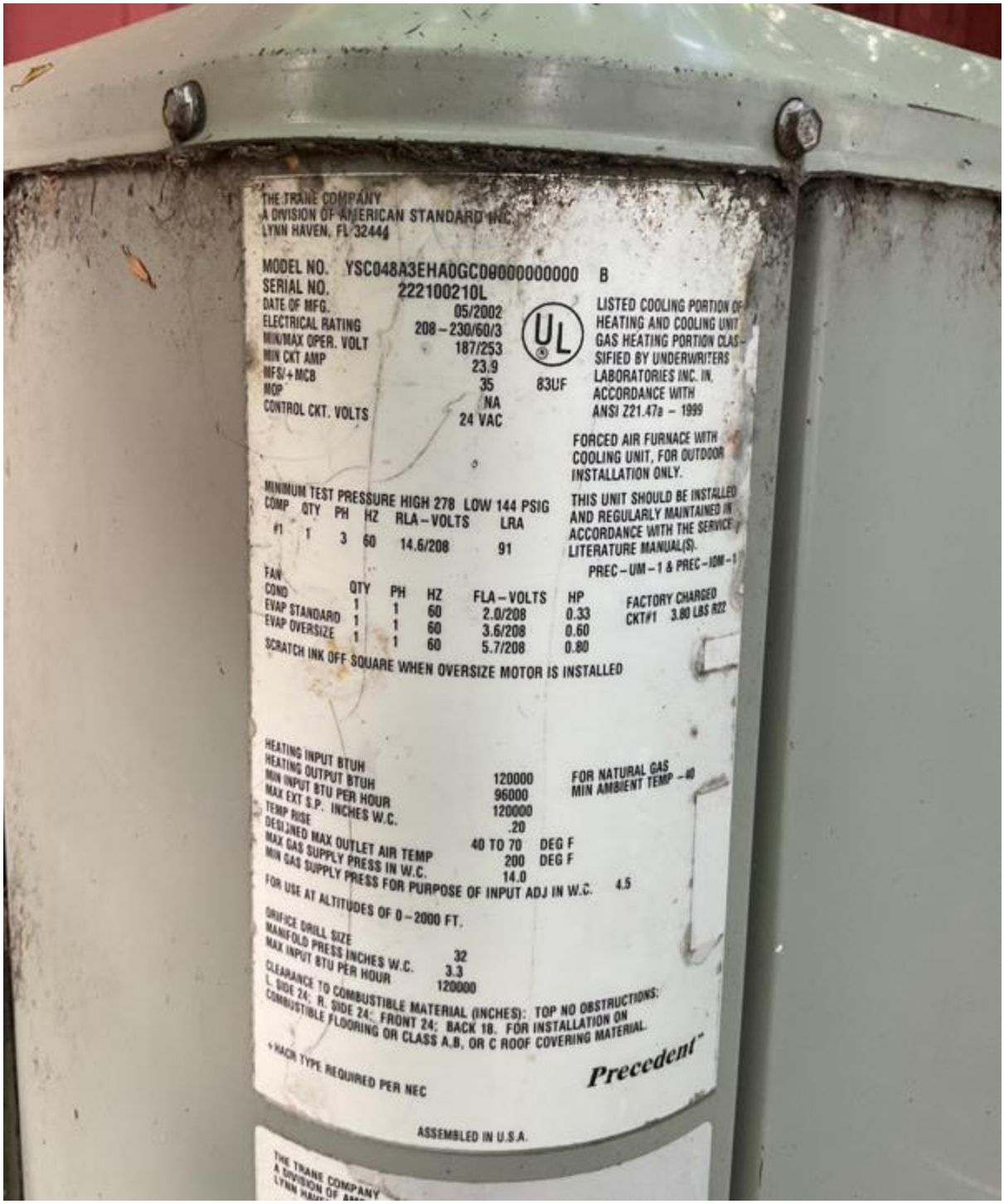
Project Name: FITZ Program Room

Location: Northeast corner of red barn. Farm-in-the-Zoo

Projected Timing: Summer 2025

Scope

- Remove and replace inoperable unit or replace with split units
- Pad height will need to be raised



THE TRANE COMPANY
A DIVISION OF AMERICAN STANDARD INC.
LYNN HAVEN, FL 32444

MODEL NO. YSC048A3EHA0GC0B0000000000 B
SERIAL NO. 222100210L

DATE OF MFG.	05/2002
ELECTRICAL RATING	208 – 230/60/3
MIN/MAX OPER. VOLT	187/253
MIN CKT AMP	23.9
MFS/+MCB	35
MOP	NA
CONTROL CKT. VOLTS	24 VAC

83UF

LISTED COOLING PORTION OF HEATING AND COOLING UNIT GAS HEATING PORTION CLASSIFIED BY UNDERWRITERS LABORATORIES INC. IN ACCORDANCE WITH ANSI Z21.47a – 1999

FORCED AIR FURNACE WITH COOLING UNIT, FOR OUTDOOR INSTALLATION ONLY.

THIS UNIT SHOULD BE INSTALLED AND REGULARLY MAINTAINED IN ACCORDANCE WITH THE SERVICE LITERATURE MANUAL(S).
PREC – UM – 1 & PREC – IOM – 1

MINIMUM TEST PRESSURE HIGH 278 LOW 144 PSIG

COMP	QTY	PH	HZ	RLA – VOLTS	LRA
#1	1	3	60	14.6/208	91

FAN COND	QTY	PH	HZ	FLA – VOLTS	HP
EVAP STANDARD	1	1	60	2.0/208	0.33
EVAP OVERSIZE	1	1	60	3.6/208	0.60
	1	1	60	5.7/208	0.80

FACTORY CHARGED
CKT#1 3.80 LBS R22

SCRATCH INK OFF SQUARE WHEN OVERSIZE MOTOR IS INSTALLED

HEATING INPUT BTUH	120000	FOR NATURAL GAS
HEATING OUTPUT BTUH	96000	MIN AMBIENT TEMP –40
MIN INPUT BTU PER HOUR	120000	
MAX EXT S.P. INCHES W.C.	.20	
TEMP RISE	40 TO 70 DEG F	
DESIGNED MAX OUTLET AIR TEMP	200 DEG F	
MAX GAS SUPPLY PRESS IN W.C.	14.0	
MIN GAS SUPPLY PRESS FOR PURPOSE OF INPUT ADJ IN W.C.	4.5	

FOR USE AT ALTITUDES OF 0 – 2000 FT.

ORIFICE DRILL SIZE	32
MANIFOLD PRESS INCHES W.C.	3.3
MAX INPUT BTU PER HOUR	120000

CLEARANCE TO COMBUSTIBLE MATERIAL (INCHES): TOP NO OBSTRUCTIONS; L. SIDE 24; R. SIDE 24; FRONT 24; BACK 18. FOR INSTALLATION ON COMBUSTIBLE FLOORING OR CLASS A,B, OR C ROOF COVERING MATERIAL.

*HACR TYPE REQUIRED PER NEC

Precedent

ASSEMBLED IN U.S.A.

THE TRANE COMPANY
A DIVISION OF AM
LYNN HAVEN

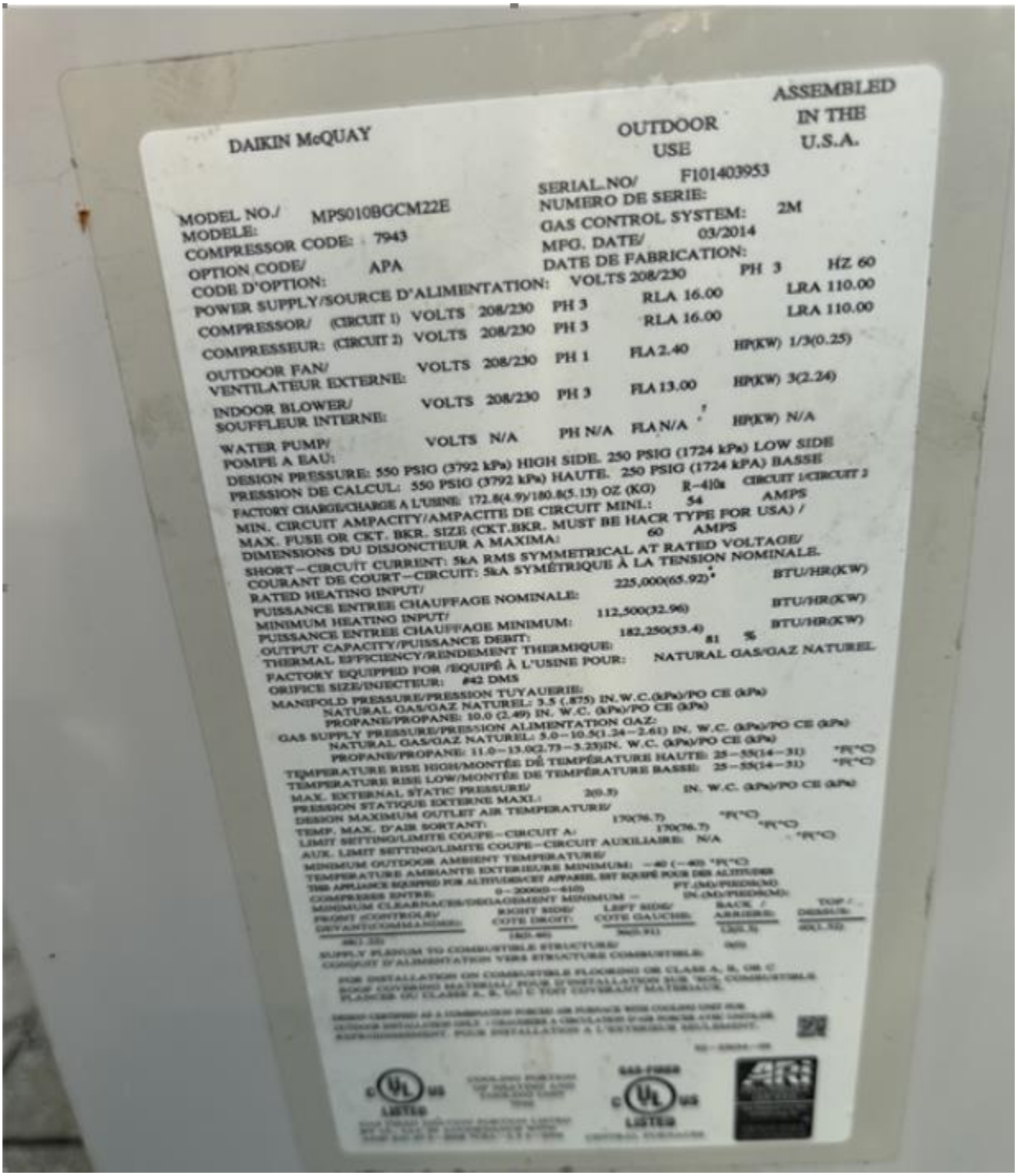
Project Name: Macaque AHU

Location: Regenstein Macaque Forest rooftop

Projected Timing: Summer / Fall 2025

Scope

- Remove and replace unit
- Like for like unit size and capacity. Would prefer to not use Daikin.
- Crane would need to be staged outside of zoo west perimeter and lifted over fence




DAIKIN


ConsERV
ConsERV
Multistack I.D. Information
ConsERV
ERV-2

Project Name: PH Prep Kitchen AC

Location: Helen Brach Primate House Kitchen

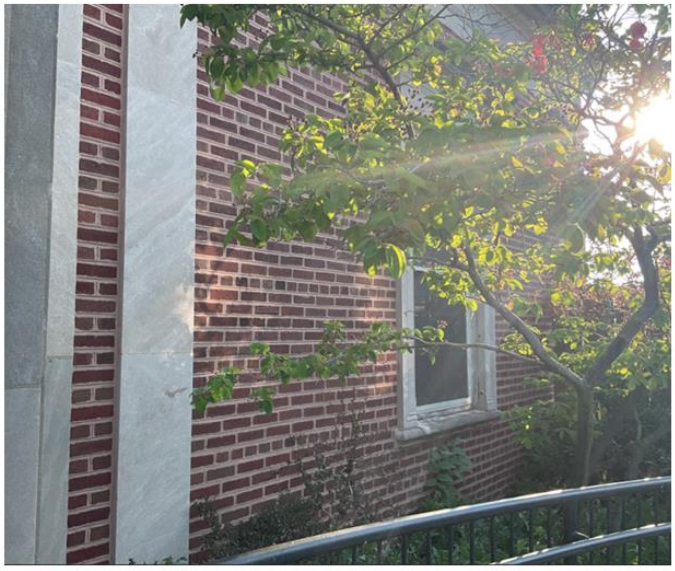
Projected Timing: Summer / Fall 2025

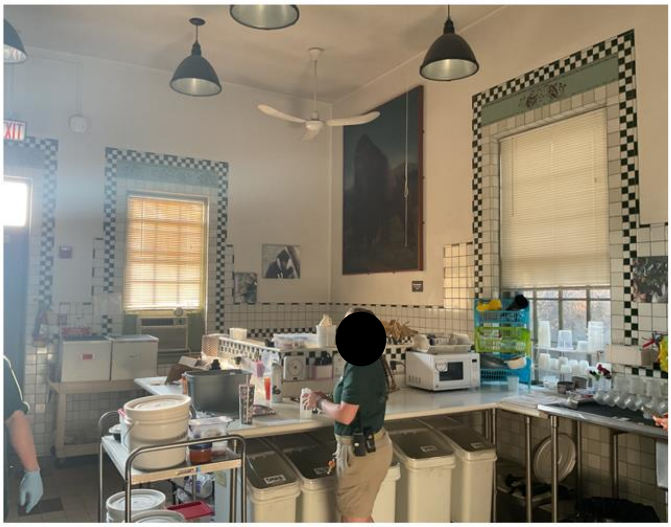
Scope

- Propose solution. Only window unit exists in this room today
- Install split unit(s) for heating and cooling. East or south wall.

East Wall

South Wall




EXIT

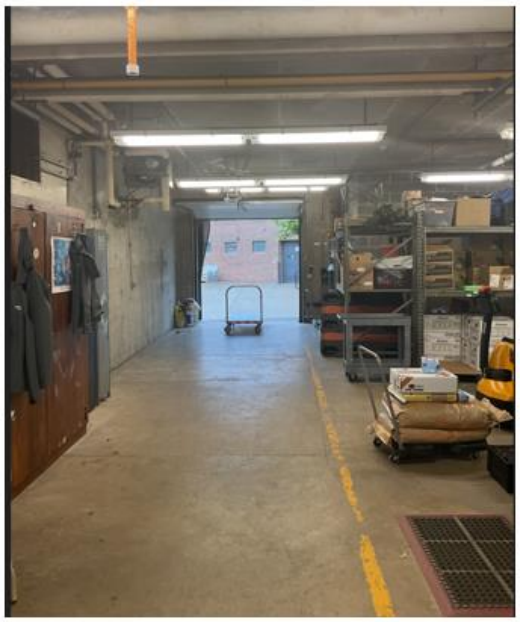
Project Name: Nutrition Center Dry Storage Room

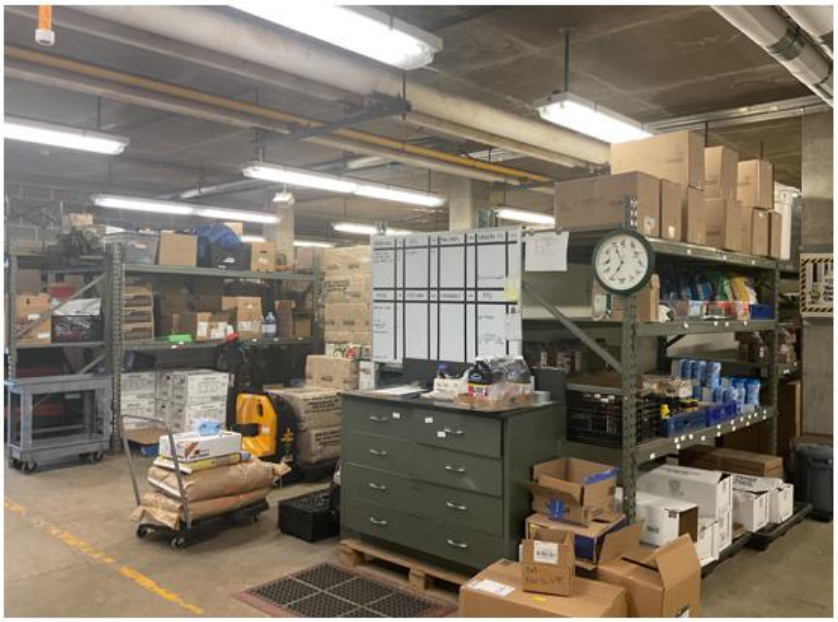
Location: Nutrition Center

Projected Timing: Summer / Fall 2025

Scope:

- Propose solution. There is no cooling capability in this room today.
- Install new AC with cassettes ceiling mounted.
- Re-engineer and/or upgrade exhaust solution for this area.
- Propose solution to minimize heat and humidity impacts from steam pipe area.






HOT WATER
SUPPLY