



**DANE COUNTY DEPT. OF
PUBLIC WORKS, HIGHWAY &
TRANSPORTATION**

1919 Alliant Energy Center Way
Madison, Wisconsin 53713
Office: 608/266-4018 ♦ Fax: 608/267-1533
Public Works Engineering Division
Public Works Solid Waste Division

ADDENDUM

APRIL 26, 2017

ATTENTION ALL REQUEST FOR BID (RFB) HOLDERS

RFB NO. 317013 - ADDENDUM NO. 1

PRIMATE HOUSE HVAC IMPROVEMENTS

HENRY VILAS ZOO

**BIDS DUE: TUESDAY, MAY 2, 2017, 2:00 PM. DUE DATE AND
TIME ARE NOT CHANGED BY THIS ADDENDUM.**

This Addendum is issued to modify, explain or clarify the original Request for Bid (RFB) and is hereby made a part of the RFB. Please attach this Addendum to the RFB.

PLEASE MAKE THE FOLLOWING CHANGES:

CHANGES TO BIDDING REQUIREMENTS:

1. Bid Form

Replace Existing Bid Form with Bid Form – Addendum 1 (which includes Alternate A).

CHANGES TO SPECIFICATIONS:

1. Section 23 05 00 – Common Work Results for HVAC
 - a. Page 2, line 13, ADD: “New ACCU disconnects shall be provided and installed by the Electrical Contractor under separate contract with Dane County. Electrical Contractor shall determine if existing disconnects serving ACCU-4 and Alternate Bid ACCU-2 can be reused or shall be replaced.

2. Section 23 23 00 – Refrigerant Piping
 - a. DELETE: All existing refrigerant piping being reused shall be tested.
 - b. ADD: All refrigerant piping installed as part of this project shall be new.

3. Section 23 73 12 – Air Handling Coil Units
 - a. ADD: Where existing coil hot water pump blocks refrigerant coil access remove the pump and any required piping to permit removal of existing refrigerant coil and installation of new coil. Reinstall pump and associated piping.

CHANGES TO DRAWINGS:

1.Drawing Sheets

1. Basement Key Plan: New refrigerant piping from ACCU-4 to AHU-4 shall be run into building room B43, through wall into corridor B30, turn into room B18 above double doors and run into AHU-4 Mechanical Room. Keep piping as high as possible. Existing refrigerant piping above rooms B31, B32, B40, and B42 may be abandoned in place.
2. Sheet H-1 Basement Floor Plan – HVAC (from Original Drawing Set for HVAC Controls Upgrade by Arnold & O'Sheridan, Inc. revision dated 7/3/2012) is included for Reference.

APPENDIX DOCUMENTS:

1. Appendix Documents

- Contractor pre-bid site tour attendees

If any additional information about this Addendum is needed, please call Eric Urtes, AIA – Project Manager at 608/266-4798, urtes.eric@countyofdane.com .

Sincerely,
Eric Urtes, AIA
Project Manager

Enclosures:

- Bid Form – Addendum No. 1
- Sheet H-1 (Reference)
- Pre-Bid Site Tout Attendance Sheet

Name of Bidding Firm: _____

BID FORM

BID NO. 317013

PROJECT: PRIMATE HOUSE HVAC IMPROVEMENTS

HENRY VILAS ZOO

**TO: DANE COUNTY DEPARTMENT OF PUBLIC WORKS, HIGHWAY & TRANSPORTATION PROJECT MANAGER
1919 ALLIANT ENERGY CENTER WAY
MADISON, WISCONSIN 53713**

NOTE: WISCONSIN STATUTE 77.54 (9M) ALLOWS FOR NO SALES & USE TAX ON THE PURCHASE OF MATERIALS FOR COUNTY PUBLIC WORKS PROJECTS.

BASE BID - LUMP SUM:

Dane County is inviting Bids for construction services for HVAC improvements at the Primate House. The project includes replacement of air cooled compressor-condensing units and air handling unit coils. The undersigned, having examined the site where the Work is to be executed and having become familiar with local conditions affecting the cost of the Work and having carefully examined the Drawings and Specifications, all other Construction Documents and Addenda thereto prepared by Dane County Department of Public Works, Highway & Transportation hereby agrees to provide all labor, materials, equipment and services necessary for the complete and satisfactory execution of the entire Work, as specified in the Construction Documents, for the Base Bid stipulated sum of:

_____ and _____ /100 Dollars
Written Price

\$ _____
Numeric Price

The undersigned agrees to add the alternate(s) portion of the Work as described, for the following addition(s) to or subtraction(s) from the Base Bid, as stipulated below.

ALTERNATE BID A - LUMP SUM:

ADD price for providing Alternate Bid A: Provide new ACCU-2, new refrigerant coils installed in existing AHU-2 including all associated refrigerant piping and accessories.

_____ and _____ /100 Dollars
Written Price

\$ _____
Numeric Price (Add)

Receipt of the following addenda and inclusion of their provisions in this Bid is hereby acknowledged:

Addendum No(s). _____ through _____

Dated _____

Dane County Division of Public Works must have this project completed by August 31, 2017. Assuming this Work can be started by June 5, 2017, what dates can you commence and complete this job?

Commencement Date: _____ Completion Date: _____
(final, not substantial)

I hereby certify that all statements herein are made on behalf of:

(Name of Corporation, Partnership or Person submitting Bid)

Select one of the following:

- 1. A corporation organized and existing under the laws of the State of _____, or
- 2. A partnership consisting of _____, or
- 3. A person conducting business as _____;

Of the City, Village, or Town of _____ of the State of _____.

I have examined and carefully prepared this Bid from the associated Construction Documents and have checked the same in detail before submitting this Bid; that I have full authority to make such statements and submit this Bid in (its) (their) (my) behalf; and that the said statements are true and correct. In signing this Bid, we also certify that we have not, either directly or indirectly, entered into any agreement or participated in any collusion or otherwise taken any action in restraint of free competition; that no attempt has been made to induce any other person or firm to submit or not to submit a Bid; that this Bid has been independently arrived at without collusion with any other bidder, competitor, or potential competitor; that this Bid has not been knowingly disclosed prior to the Bids Due Date to another bidder or competitor; that the above statement is accurate under penalty of perjury.

The undersigned further agrees to honor the Base Bid and the Alternate Bid(s) for sixty (60) calendar days from date of Award of Contract.

SIGNATURE: _____
(Bid is invalid without signature)

Print Name: _____ Date: _____

Title: _____

Address: _____

Telephone No.: _____ Fax No.: _____

Email Address: _____

Contact Person: _____

THIS PAGE IS FOR BIDDERS' REFERENCE AND NEED NOT BE SUBMITTED WITH BID FORM.

BID CHECK LIST:

These items **must** be included with Bid:

- Bid Form Bid Bond Fair Labor Practices Certification
 Project Experience / Reference Summary-On Separate Sheets of Paper

BIDDERS SHOULD BE AWARE OF THE FOLLOWING:

DANE COUNTY VENDOR REGISTRATION PROGRAM

Any person bidding on any County contract must be registered with the Dane County Purchasing Division & pay an annual registration fee. A contract will not be awarded to an unregistered vendor. Obtain a *Vendor Registration Form* by calling 608/266-4131 or complete a new form or renewal online at:

www.danepurchasing.com/registration

DANE COUNTY BEST VALUE CONTRACTING PRE-QUALIFICATION

Contractors must be pre-qualified as a Best Value Contractor with the Dane County Public Works Engineering Division before the award of contract. Obtain a *Best Value Contracting Application* by calling 608/266-4018 or complete one online at:

www.countyofdane.com/pwht/BVC_Application.aspx

EQUAL BENEFITS REQUIREMENT

By submitting a Bid, the contractor acknowledges that a condition of this contract is to provide equal benefits as required by Dane County Code of Ordinances Chapter 25.016. Contractor shall provide equal benefits as required by that Ordinance to all required employees during the term of the contract. Equal Benefits Compliance Payment Certification shall be submitted with final pay request. For more information:

www.danepurchasing.com/partner_benefit.aspx

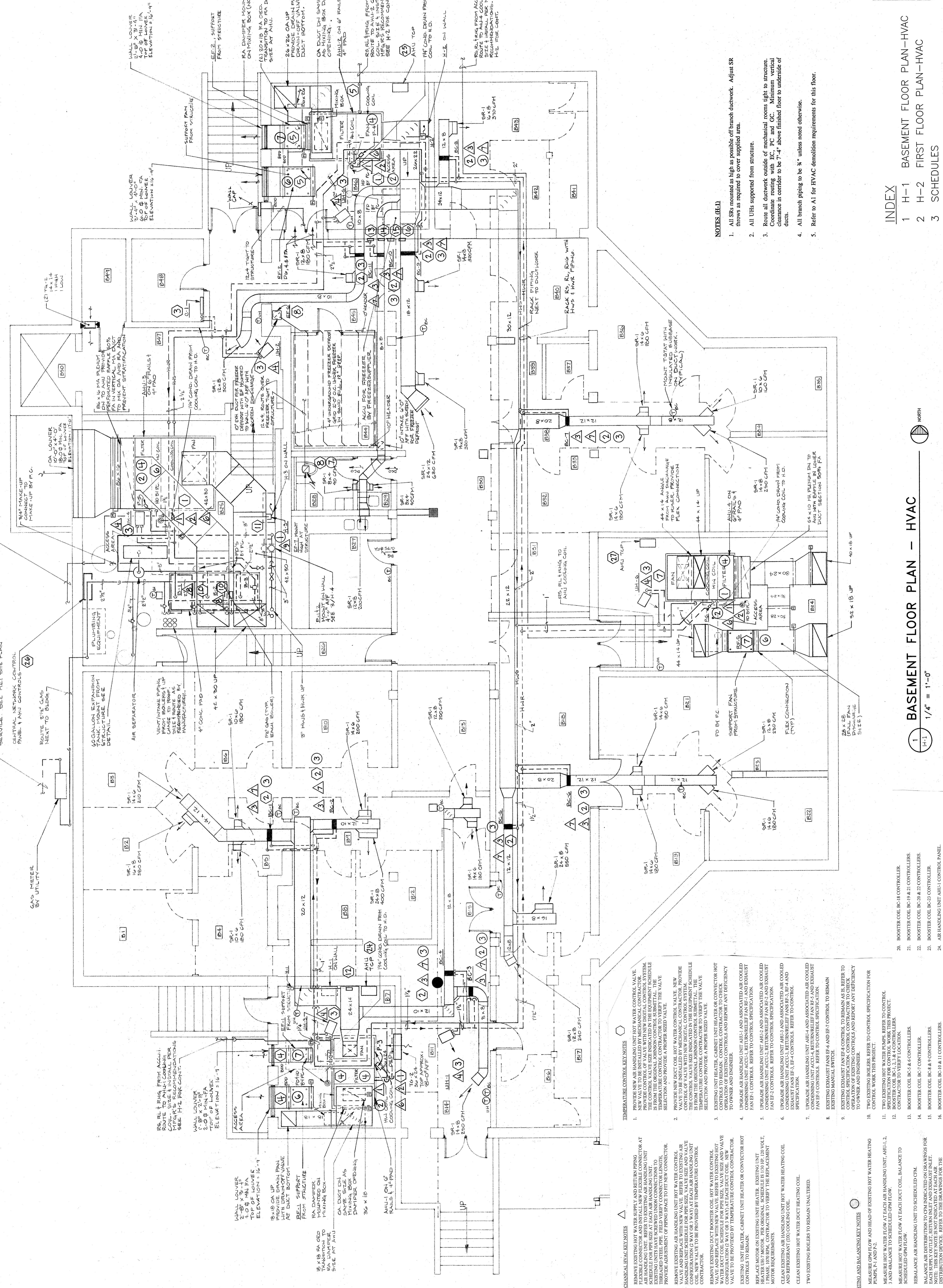


exhibit architects **Coe Lee Robinson Roesch, Inc.**
 115 North Third Street
 Philadelphia, PA 19106
 215 925 1002

consulting engineers **Arnold & O'Sharden, Inc.**
 812 York Mt. Blvd
 Philadelphia, PA 19104
 808 271 9551

12/27/15 FOR BIDDING

312002 7/3/2012 AS NOTED

Approved By: JRL Date: 3/12/12
 Drawn By: JRL
 Design By: JRL

HVAC CONTROLS UPGRADE
 PRIMATES AND BIG CATS BUILDING
 HENRY VILAS ZOO
 MADISON, WISCONSIN

SHEET TITLE

DATE: 12/28/15

DRAWING NO.: H-1 1 OF 3

INDEX

- 1 H-1 BASEMENT FLOOR PLAN-HVAC
- 2 H-2 FIRST FLOOR PLAN-HVAC
- 3 SCHEDULES

BASEMENT FLOOR PLAN - HVAC

1/4" = 1'-0"

NORTH

- NOTES (REV)
1. All SRs mounted as high as possible off ductwork. Adjust SR throws as required to cover supply area.
 2. All UHS supported from structure.
 3. Route all ductwork outside of mechanical rooms tight to structure. Coordinate routing with EC, PC and GC. Minimum vertical clearance in corridor to be 7'-4" above finished floor to underside of duct.
 4. All branch piping to be 3/4" unless noted otherwise.
 5. Refer to A1 for HVAC demolition requirements for this floor.

- MECHANICAL KEY NOTES
1. PROVIDE NEW AIR HANDLING UNIT HOT WATER CONTROL VALVE. NEW VALVE TO BE INSTALLED BY MECHANICAL CONTRACTOR. PROVIDE CONTROL VALVE WITHIN THE EXISTING UNITS. VERIFY SCHEDULING FROM ORIGINAL JOHNSON CONTROL SUBMITTAL. THE EXISTING UNITS HAVE SCHEDULED UNIONS TO BE REWORKED. PROVIDE A WELDING CONTRACTOR TO REWORK UNIONS AND PROVIDE A PROPER SIZED VALVE.
 2. PROVIDE NEW DUCT COIL HOT WATER CONTROL VALVE. NEW VALVE TO BE INSTALLED BY MECHANICAL CONTRACTOR. PROVIDE CONTROL VALVE WITHIN THE EXISTING UNITS. VERIFY SCHEDULING FROM ORIGINAL JOHNSON CONTROL SUBMITTAL. THE EXISTING UNITS HAVE SCHEDULED UNIONS TO BE REWORKED. PROVIDE A WELDING CONTRACTOR TO REWORK UNIONS AND PROVIDE A PROPER SIZED VALVE.
 3. EXISTING UNIT HAS CABINET UNIT HEATER OR CONVECTOR HOT WATER CONTROL VALVE. CONTROL CONTRACTOR TO CHECK OPERATION OF EXISTING CONTROLS AND REPORT ANY DEFICIENCY TO OWNER AND ENGINEER.
 4. UPGRADE AIR HANDLING UNIT AHU1 AND ASSOCIATED AIR-COOLED CONDENSING UNIT ACU1-2. RETURN AIR FAN #1 AND EXHAUST FAN #1 CONTROLS. REFER TO CONTROL SPECIFICATION.
 5. UPGRADE AIR HANDLING UNIT AHU2 AND ASSOCIATED AIR-COOLED CONDENSING UNIT ACU2-2. RETURN AIR FAN #2 AND EXHAUST FAN #2 CONTROLS. REFER TO CONTROL SPECIFICATION.
 6. UPGRADE AIR HANDLING UNIT AHU3 AND ASSOCIATED AIR-COOLED CONDENSING UNIT ACU3-2. RETURN AIR FAN #3 AND EXHAUST FAN #3 CONTROLS. REFER TO CONTROL SPECIFICATION.
 7. UPGRADE AIR HANDLING UNIT AHU4 AND ASSOCIATED AIR-COOLED CONDENSING UNIT ACU4-2. RETURN AIR FAN #4 AND EXHAUST FAN #4 CONTROLS. REFER TO CONTROL SPECIFICATION.
 8. EXISTING EXHAUST FAN #4, AND #7 CONTROL TO REMAIN EXISTING MANUAL SWITCH.
 9. EXISTING EXHAUST FAN #4 CONTROL TO REMAIN AS IS. REFER TO CONTROL SPECIFICATION. CONTROL CONTRACTOR TO CHECK TO OWNER AND ENGINEER.
 10. TWO EXISTING UNIT HEATER OR CONVECTOR HOT WATER CONTROL VALVE TO BE REPLACED BY MECHANICAL CONTRACTOR. PROVIDE CONTROL VALVE WITHIN THE EXISTING UNITS. VERIFY SCHEDULING FROM ORIGINAL JOHNSON CONTROL SUBMITTAL. THE EXISTING UNITS HAVE SCHEDULED UNIONS TO BE REWORKED. PROVIDE A WELDING CONTRACTOR TO REWORK UNIONS AND PROVIDE A PROPER SIZED VALVE.
 11. TWO EXISTING HOT WATER BOILERS REFER TO CONTROL SPECIFICATION FOR CONTROL WORK THIS PROJECT.
 12. BOOSTER COIL BC-1, 2, 3, 4, 5 & 6 CONTROLS CONTRACTOR TO VERIFY LOCATION.
 13. BOOSTER COIL BC-2, 3 & 4 CONTROLS.
 14. BOOSTER COIL BC-7 CONTROLLER.
 15. BOOSTER COIL BC-4 & 9 CONTROLS.
 16. BOOSTER COIL BC-10 & 11 CONTROLS.
 17. BOOSTER COIL BC-12 & 13 CONTROLLERS.
 18. BOOSTER COIL BC-11 & 15 CONTROLLERS.
 19. BOOSTER COIL BC-16 & 17 CONTROLLERS.
- TESTING AND BALANCING KEY NOTES
1. MEASURE GPM FLOW AND HEAD OF EXISTING HOT WATER HEATING PUMPS, P1 AND P2.
 2. MEASURE GPM FLOW AT EACH AIR HANDLING UNIT, AHU-1, 2, 3, 4 AND BALANCE TO SCHEDULED GPM FLOW.
 3. MEASURE GPM FLOW AT EACH DUCT COIL. BALANCE TO SCHEDULED GPM FLOW.
 4. REBALANCE AIR HANDLING UNIT TO SCHEDULED GPM.
 5. BALANCE AIR DISTRIBUTION SYSTEM AND EXHAUST SYSTEMS FOR AIR FLOW AT EACH AIR HANDLING UNIT AND EXHAUST FAN. THIS NOTE IS NOT INDICATED AT EACH AIR LOCATION AND CM FOR EACH DEVICE.
 6. BALANCE RETURN AIR FAN, #1-3, 4 AND 5 TO SCHEDULED GPM.
 7. BALANCE EXHAUST FAN, #1-3, 4, 5, 7 AND 8 TO SCHEDULED GPM.

20. BOOSTER COIL BC-18 CONTROLLER.
 21. BOOSTER COIL BC-19 & 21 CONTROLLERS.
 22. BOOSTER COIL BC-20 & 22 CONTROLLERS.
 23. BOOSTER COIL BC-23 CONTROLLER.
 24. AIR HANDLING UNIT AHU-1 CONTROL PANEL.
 25. AIR HANDLING UNIT AHU-2 CONTROL PANEL.
 26. AIR HANDLING UNIT AHU-3 & MAIN BUILDING CONTROL PANEL.
 27. AIR HANDLING UNIT AHU-4 CONTROL PANEL.

Henry Vilas Zoo
Primate House HVAC Improvements

RFB#317013
04/19/17

Name	Company	Phone No. + Emails
Mike Raether	H+H Inc	608-219-0352
Brian Hoffman	Haber Heating & Cooling Inc	608-576-7978
Steve Meassick	Thermo Dynamics	SteveM@d HVAC.com 608 588 7079