

## **CAMPUS PLANNING, DESIGN & CONSTRUCTION**

Sixth Avenue and Grant Street • P.O. Box 172760 • Bozeman, Montana 59717-2760 Phone: (406) 994-5413 • Fax: (406) 994-5665

## ADDENDUM NO. 1 - OUTLINE AND SUMMARY INFORMATION

Project Name: Miller Dining Auxiliaries Offices HVAC Upgrades PPA No.: 24-1099

Location: Montana State University - Bozeman Date: 11/20/2025

Owner: <u>State of Montana, MSU – Bozeman</u>

Plew Building 6<sup>th</sup> and Grand, PO Box 172760

Bozeman, Montana 59717-2760

#### To: All Plan Holders of Record

The Plans and Specification prepared by Morrison-Maierle dated 10/20/2025 shall be clarified and added as follow. The bidder proposes to perform all the following clarifications or changes. It is understood that the Base Bid shall include any modification of Work or Additional Work that may be required by reason of the following change or clarifications.

The Bidders are to acknowledge the receipt of this Addendum by inserting its number and date into their Bid Forms. Failure to acknowledge may subject the Bidder to disqualification and rejection of the bid. This Addendum forms part of the Contract Documents as if bound therein and modifies them as follows:

### 1. AMENDMENTS TO THE PROJECT MANUAL

a. Specifications: No amendments.

#### 2. AMENDMENTS TO THE DRAWINGS

- a. Sheet: M0.4 MECHANICAL CONTROLS
  - i. Edited WATER SOURCE HEAT PUMP W/ AUX HEATER SINGLE ZONE DDC Schedule. Heat pump shall serve as first-stage heating and auxiliary heater shall serve as second-stage heating. Auxiliary heater hot water valve (V-HC) shall open when space temperature (T-SP2) drops below space temperature setpoint by 3°F (ADJ.)

#### 3. AMENDMENTS TO EQUIPMENT INFORMATION

a. No amendments.

#### 4. PRE-BID MEETING INFORMATION

- a. See pre-bid meeting notes attachment
- b. Materials tested for asbestos came back negative.
- c. Note that the asbestos report is in project manual, Contractor is to notify Owner if affecting any materials that have not been tested.

d. Heat pump condenser water valves shall be provided with heat pump and installed/wired by T.C. per controls diagram on sheet M0.4.

## 5. PRIOR APPROVALS

- a. Specification 233113 Metal Ducts: OMNI Duct approved
- b. Specification 238146 Water to Air Heat Pumps: WaterFurnace approved

## 6. ATTACHMENTS

- a. Pre-bid meeting notes
- b. Pre-bid meeting attendance list
- c. Sheet M0.4 MECHANICAL CONTROLS

## PRE-BID MEETING NOTES

Project Name: Miller Dining Auxiliaries Offices HVAC Upgrades

PPA #: 24-1099

Meeting By: Roz Kinney

Date: 11/04/2025

- 1. Attendees: see attached sign-in sheet
  - a. MSU Project Manager
    - i. Todd Cook (Facilities Engineer)
    - ii. Roz Kinney (Facilities Engineer)
  - b. Consultant: Morrison Maierle Inc.
    - i. Daniel Tanascu (Mechanical Engineer)
    - ii. Joe Hughs (Mechanical Engineer)
    - iii. Caiden Crawford (Electrical Engineer)
  - c. MSU facilities tradesmen:
    - i. Neil Jorgensen (Refrigeration Foreman)
  - d. Client: MSU Auxiliaries
    - i. Mike Kosevich Building Manager (Director of Culinary Services)
    - ii. Jeff Bondy (Director of Student Housing)
    - iii. Brandon Monteleone (Associate Director of Student Housing)
- 2. Arrangement of Work
  - a. Occupants will be out of construction area: May 11<sup>th</sup> July 31<sup>st</sup>. Work that will substantially affect occupants and use of remodel areas to be performed during this time.
  - b. Heat pump lead time estimate is 10 weeks
  - c. Laydown area: Outside space and indoor space available per drawings
- 3. Bidding Considerations
  - a. Bid opening date and time: <u>Tuesday December 2<sup>nd</sup></u>, 2025 at 2:00 PM
  - b. Deadline for substitution and addenda: November 25, 2025
  - c. Plan to post addendum for pre-bid meeting the week prior due to Thanksgiving Holiday.
  - d. Completion of project: September 30<sup>th</sup>, 2026
  - e. Plan review fees and permit fees paid by Owner.
  - f. Bid Security of 10% of bid for all projects.
  - g. Performance, labor, and material bonds for 100% for all project over \$150,000.
  - h. State tax of 1% for project over \$50,000.
  - i. Prevailing wages for projects over \$25,000.
  - j. General liability, Owner protective liability, and property insurance in MSU name.
  - k. Liquidated damages: actual damages may be assessed pursuant to the General Conditions.
  - I. Project meetings bi-weekly during construction.
- 4. Review drawings and technical specifications

a. Summary of scope: this project is to demolish the failed VRF heat pump system that previously served Miller Dining auxiliary spaces and replace the system with ducted water-to-air heat pumps.

#### 5. Notes from meeting

- a. Materials tested for asbestos came back negative.
- b. Note that the asbestos report is in project manual, Contractor is to notify Owner if affecting any materials that have not been tested.
- c. Test and balance system twice: once prior to demo and again after project completion.
- d. Heat pump condenser water valves shall be provided with heat pump and installed/wired by T.C. per controls diagram on sheet M0.4.

# Montana State University Bozeman Pre-E Miller Dining Auxiliaries Offices HVAC Upgrades

# Pre-Bid Meeting - 11/04/25 - 2 pm ades Sign In Sheet



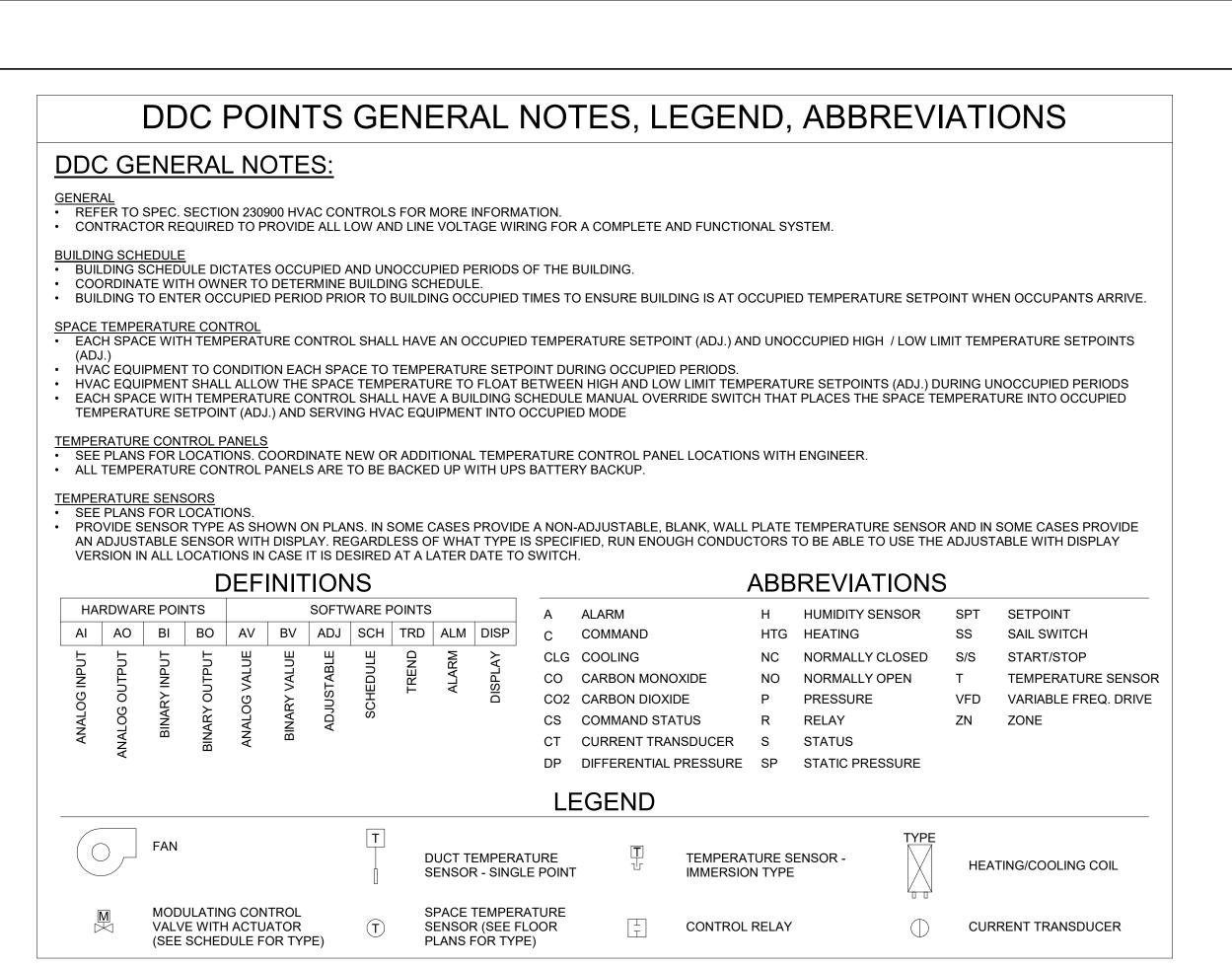
	Name	Company Name <del>and Address</del>	Phone	Email
1	Dan Bokma	Williams Plumbing	466-922-5415	dbokmae will plumb. Com
2	Ben Hommen	3rd Element	406-451-3363	benh@ 3e contractors.com
3	Ken Kunda	Air Controls	406-220-542	9 KKunda e bozemanair Controls : Com
4	Cole Clevenger	Air Controls		Cole C @ Bozeman Ail (ontions. Com
5	Branda Martel cont	MSU Housing	805-717-7159	Lander marteleone Q Montana edu
6	Mile Krend	MSU WI jwag	994-6463	mlaseviel @ montave.edu
7	LEUI PREVOST	HASELDEN MONTANA CONSTRUCTORS	333 -8873	LEU PREVOST E HASELDEN, COM
8	JEFF BONDY	msu	994-2661	jbondy emontona. edu
9	Brandon Karroll	JCI	223-0253	Brandon. Fillon. Karroll@Jci.com

## Montana State University Bozeman Pre-E Miller Dining Auxiliaries Offices HVAC Upgrades

Pre-Bid Meeting - 11/04/25 - 2 pm rades Sign In Sheet

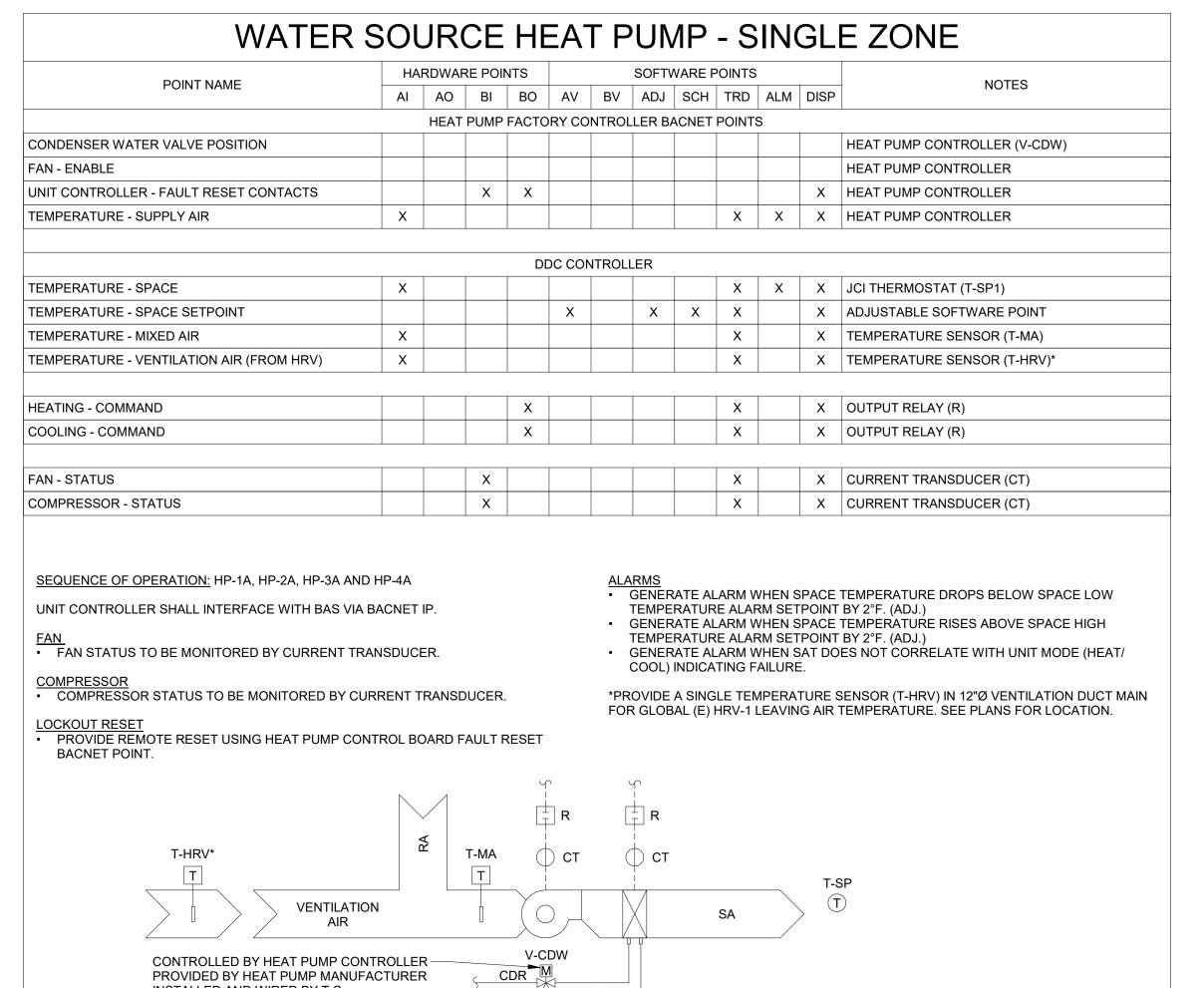


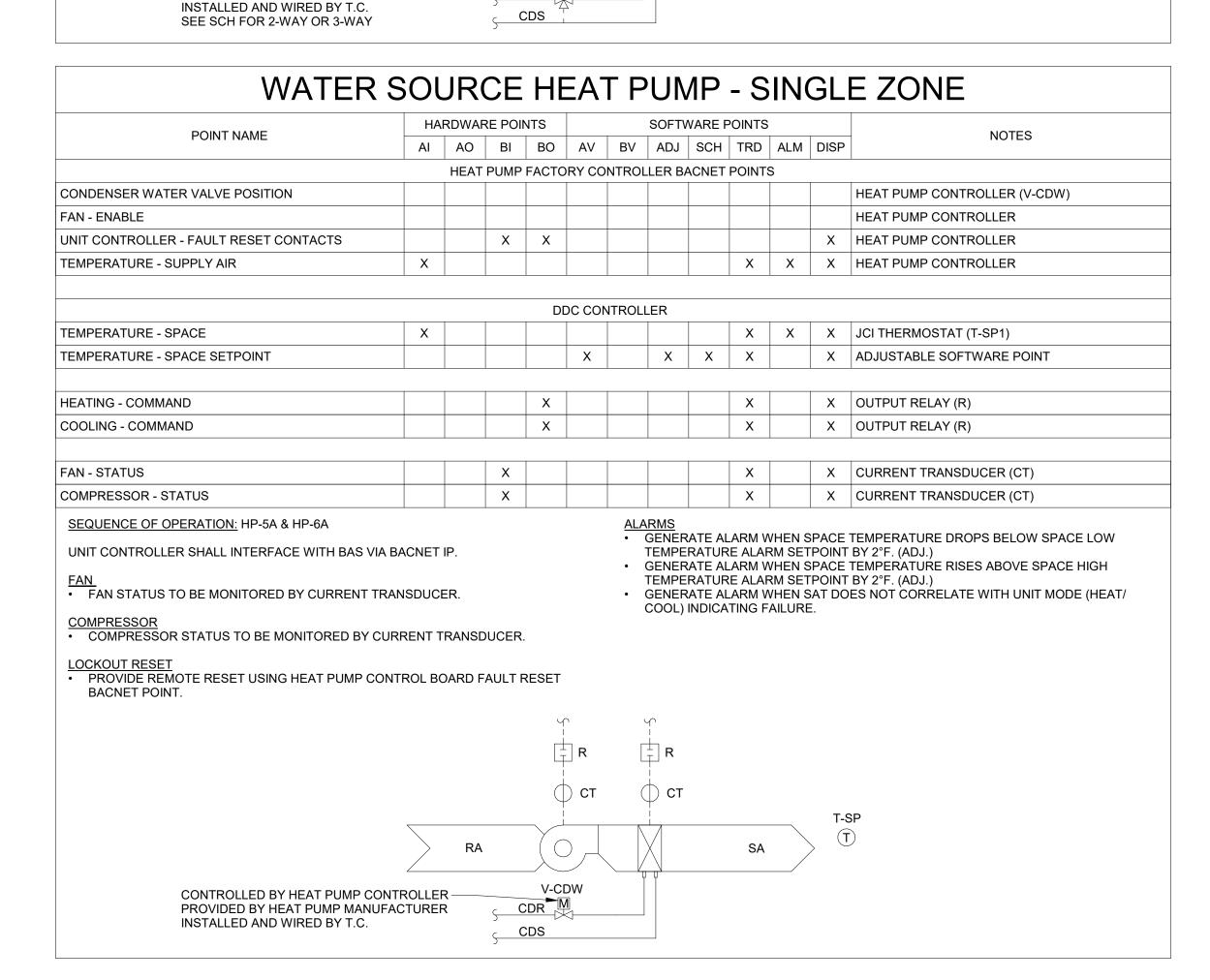
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	Name	Company Name and Address	Phone	engineers - surveyors - planners - sec
10	NE! JORGENSEN	MSU Retr	794-1811	neilJorgenson @ Modera.edu
11	JOD COOK	MSU FNG.	994-5480	TODA. CLOK I QMONTMAS. FORU
12		MSU facilities	425 309-8681	nozhyn. Kinney amantan a edy
13	JOE H TANFADEN	MMI		jhughes@m-m.net
14				ccrawford@m-m.net
15				
16	×			
17				2
18				



DOINTNIAME	HARDWARE POINTS				SOFTWARE POINTS							- NOTES	
POINT NAME	Al	AO	BI BO		AV	BV ADJ		SCH TRE		D ALM DIS		;P	
		HEAT	PUMP F	ACTO	RY CO	NTROL	LER BA	CNET	POINTS	S	ı		
CONDENSER WATER VALVE POSITION												HEAT PUMP CONTROLLER (V-CDW)	
FAN - ENABLE												HEAT PUMP CONTROLLER	
JNIT CONTROLLER - FAULT RESET CONTACTS			X	Х							Х	HEAT PUMP CONTROLLER	
FEMPERATURE - SUPPLY AIR	X								Х	Х	X	HEAT PUMP CONTROLLER	
				DI	OC COI	NTROLI	LER						
FEMPERATURE - SPACE	Х								Х	Х	Х	JCI THERMOSTAT (T-SP1)	
EMPERATURE - SPACE SETPOINT					Х		Х	Х	Х		Х	ADJUSTABLE SOFTWARE POINT	
FEMPERATURE - MIXED AIR	X								Х		Х	TEMPERATURE SENSOR (T-MA)	
TEMPERATURE - VENTILATION AIR (FROM HRV)	X								Х		Х	TEMPERATURE SENSOR (T-HRV)*	
HEATING - COMMAND				Х					Х		Х	OUTPUT RELAY (R)	
COOLING - COMMAND				Х					Х		Х	OUTPUT RELAY (R)	
FAN - STATUS			Х						Х		Х	CURRENT TRANSDUCER (CT)	
COMPRESSOR - STATUS			Х						Х		Х	CURRENT TRANSDUCER (CT)	
AUX HEATER - TEMPERATURE - SPACE	X								Х		Х	SPACE TEMPERATURE SENSOR (T-SP2)	
AUX HEATER - TEMPERATURE - SPACE SETPOINT					Х		Х	Х	Х		Х	ADJUSTABLE SOFTWARE POINT	
AUX HEATER - TEMP HEATING WATER RETURN					Х		Х	Х	Х		Х	ADJUSTABLE SOFTWARE POINT	
AUX HEATER - HOT WATER VALVE POSITION				Х					Х		Х	TWO POSITION CONTROL VALVE (V-HC)	
SEQUENCE OF OPERATION: HP-7A & HP-8A  UNIT CONTROLLER SHALL INTERFACE WITH BAS VIA  FAN  FAN  FAN STATUS TO BE MONITORED BY CURRENT TF  COMPRESSOR  COMPRESSOR STATUS TO BE MONITORED BY CU  LOCKOUT RESET  PROVIDE REMOTE RESET USING HEAT PUMP CO BACNET POINT.	ANSDUC JRRENT <sup>-</sup>	ER. FRANSE				ALA	TEMPE VALVE TEMPE VALVE TEMPE THERM AUXILIA LRMS GENER TEMPE GENER TEMPE GENER	VALVE VERATURE TO BE RATURE ALTE ALE ALE ALE ALE ALE ALE ALE ALE ALE AL	WHEN E SETI CLOSE E SETI CLOSE E AT C SHALI ATER:  ARM V E ALAI ARM V E ALAI ARM V	SPACE POINT E ED WHE POINT E ED WHE OR ABO' L SERV SHALL S WHEN S RM SET WHEN S RM SET	3Y 3°F. SPA 3Y 2°F. SN HEA VE SPA E AS M SERVE SPACE POINT SPACE POINT SAT DO	CE TÉMPERATURE (T-SP2) IS AT OR ABOVE SPACE (ADJ.)  IT PUMP THERMOSTAT (T-SP1) READS  ACE TEMPERATURE SETPOINT (ADJ.). HEAT PUMP  MASTER OVER SPACE TEMPERATURE SENSORS.  AS SECOND STAGE HEATING.  TEMPERATURE DROPS BELOW SPACE LOW  T (ADJ.)  TEMPERATURE RISES ABOVE SPACE HIGH	
T-HRV*  T  VENTILATION  AIR	T-N		R CT		R C	FOF			HRV-2 T-			SENSOR (T-HRV) IN 8"Ø VENTILATION DUCT MAIN TEMPERATURE. SEE PLANS FOR LOCATION.  HW T-SP2 (SEE PLANS FOR QTY)  T-HWR V-HC  T M (E) HWR	

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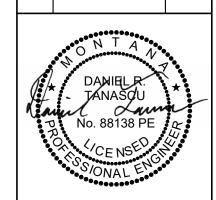


ILLER DINING AUXILIARIES
OFFICES HVAC UPGRADES
MONTANA STATE HINIVERSITY



DRAWN BY: DRT
REVIEWED BY: JRH
REV. DESCRIPTION DATE

1 ADDENDUM 1 11/19/25



PPA#24-1099

MMI PROJ #: 0747.087

SHEET TITLE

MECHANICAL

CONTROLS

SHEET MO.4

DATE 10/20/2025