

**BL580 Institute Disability & Community
Chiller Capacity and Operational Rehab**

**Indiana University
Bloomington, Indiana
IU 20241404**

ADDENDUM NO. 1

HEAPY PROJECT NO. 2025-06024

June 5, 2025

GENERAL

- ITEM NO. 1 Issue Pre Bid Meeting 1 agenda.
- ITEM NO. 2 Issue Pre Bid Meeting Sign in Form 1.

SPECIFICATIONS

- ITEM NO. 1 Bid Form
- A. Revised project numbers in Alternate #4 on Bid Form.

DRAWINGS

- ITEM NO. 1 E200 ELECTRICAL NEW
- A. REVISE CONDUIT ROUTING TO CHILLER.
- ITEM NO. 2 M200 HVAC NEW
- A. REVISED REFRIGERANT ROUTING.
- B. REVISED NOTE 4.
- C. REVISED UNIT LOCATION.
- D. REVISED FENCING AND GATE LOCATION.

ATTACHMENTS

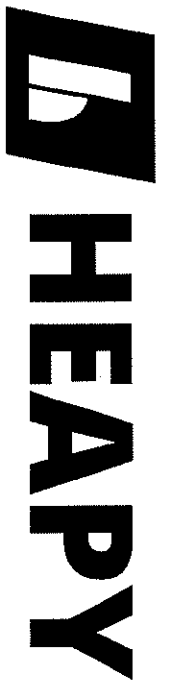
Pre Bid Meeting Agenda and Information.

Pre Bid Meeting Sign in Form.

E200 – ELECTRICAL NEW

Cleveland • Columbus • Dayton • Indianapolis • Raleigh

M200 - HVAC NEW



ATTENDANCE SHEET

Project No.: 2025-06024

Date: May 28, 2025

Project: BL580 INSTITUTE DISABILITY & COMMUNITY CHILLER

Purpose: Pre-Bid Meeting

CAPACITY AND OPERATIONAL REHAB
IU# 20241404

PLEASE PRINT CLEARLY

	Name	Company	E-Mail
1.	Mat Root	Heapy	maroot@heapy.com
2.	Adam Rooten	PDG	adaman@pyramidindy.com
3.	Lucin Hindman	HFI	CHINDMAN@HARECU-FISH.COM
4.	JOSH LEITNER	IU	jleithn@iu.edu
5.	CHRISTIE WILK	HCAR	CPWILK@HARRY.IU.EDU
6.	JAC TOWNSEN	IU	JATOWNSEN@IU.EDU
7.			
8.			
9.			
10.			



Pre-Bid Meeting Agenda And Information

Heapy Project No. 2025-06024

Project: BL580 INSTITUTE DISABILITY & COMMUNITY CHILLER CAPACITY AND
OPERATIONAL REHAB
IU #20241404

Date: May 28, 2025, 11:00 AM

Project Introductions

MEP: Heapy Engineering

Main Contacts
Mat Root (PM)
Garrett Mize (Senior PM)
Ehren Lohrmann (Mechanical)

Email maroot@heapy.com
Email gdmize@heapy.com
Email eelohrmann@heapy.com

Indiana University

Josh Leiting
Joe Townsend

Email jleiting@iu.edu
Email dantowns@iu.edu

Sign In Sheet

All interested parties need to sign in prior to the end of the meeting.

Bidding Documents

Bidding documents are available. Contact Eastern Engineering Distribution Department, 9901 Allisonville Road, Fishers, IN 46038. Phone 317-598-0661, www.iuplanroom.com for deposit and purchase information.

Cleveland • Columbus • Dayton • Indianapolis • Raleigh

Bid Date and Procedure

IU 20241404 - Bids will be received until 2:00 PM (local time) on Thursday, June 12, 2025

Via electronic bid submission on www.iuplanroom.com. Bidders must be registered on the plan room, and signed in to the plan room, in order to submit a bid.

Bids will be electronically opened via Zoom:
<https://iu.zoom.us/j/82623978895>
Meeting ID: 826 2397 8895
Join By Telephone: 312-626-6799

Sub and Product List

Subs and Products list to be submitted within 48 hours of bid opening

Questions

All questions and comments regarding this project must be directed, in writing to Mat Root, maroot@heapy.com. Please submit all questions for the project no later than the end of the day on June 02, 2025, for inclusion in an Addendum

Addenda

Addendum #1 to be issued on June 05, 2025

Addendum can be issued up to 48 hours prior to bid

Scope

Removal and replacement of existing chiller with a new chiller installed outside.
New refrigerant piping from tower to chiller routed along retaining wall.
Decommissioning of cooling tower and removal of cooling tower pumps.
Removal and new electrical to accommodate mechanical equipment.
Controls are being provided by owner. Conduit for controls is the responsibility of the project contractor.

Alternates

No. 1A, 1B, and 1C:

Chiller unit manufacturers are required to provide unit submittals with the bid along with estimated lead time.

No. 2:

Provide all labor and materials required to replace existing chilled water pumps. Replace existing starters, disconnects, feeders, piping connections, and controls as indicated on drawings.

No. 3:

Provide all labor and materials required to remove existing cooling tower, starter, disconnects, feeders, piping connections, and controls as indicated on drawings.

No. 4:

Adjustment to this bid if awarded IU project #20241404 and 20210422.

Schedule

Completion April 1, 2026

Construction Schedule

Detailed construction schedule is required at the beginning of construction to coordinate installation dates and times. Refer to phasing plans

Restrictions / Limitation / Challenges

1. All areas outside the project limits will be occupied during construction
 - a. Control air quality (construction dust / debris)
 - b. Noise control
 - c. Security of projects limits during construction

As-Builts Documentation

Contractor shall keep as-builts documentation up to date. There will be milestone dates established where these documents will be reviewed and if it is determined that they are not up to date payment could be withheld

Additional Site Visits

Contact

Joe Townsend

Email dantowns@iu.edu

Questions / Comments

- Circle drive to the west of the mechanical tower will be the loading and unloading zone.
- Contractor is not allowed to park in the loading and unloading zone.
- General parking for working will be in the green lot at the hospital.

Walk Through

-

BID FORM
for

BL580 Institute Disability & Community Chiller Capacity and Operational Rehab
Indiana University Bloomington
Bloomington, Indiana
IU #20241404

TO: The Trustees of Indiana University
Bloomington, Indiana

****Submit bid online via www.iuplanroom.com****

FROM:

Bidder's Name _____

Address _____

City, State, Zip Code _____

Phone Number _____ FAX Number _____

CONTACTS:

Bid / Contract Information: Name: _____

Phone: _____ E-mail: _____

Proposed Project Manager: Name: _____

Phone: _____ E-mail: _____

Indicate if your firm is a certified minority-, women-, or veteran-owned business ____ Yes ____ No
If “Yes”, please attach a copy of certification

FOR: **Unified Bid** to include General, Mechanical, and Electrical Construction Work

Bidders:

LUMP SUM BASE BID

The undersigned Bidder, with a complete understanding of existing conditions at the Project Site and a complete understanding of the Bidding Documents, including any Addenda acknowledged hereinafter, for BL580 Institute Disability & Community Chiller Capacity and Operational Rehab on the Indiana University Bloomington campus, as prepared by Heapy, hereby proposes to complete the project, in full and complete accordance with the requirements of the Bidding documents, for the LUMP SUM BASE BID PRICE of:

(written amount) Dollars \$ _____
(numerals)

MAJOR SUBCONTRACTORS

Subcontractors and other persons and organizations proposed by the Bidder and accepted by the Owner and the Owner's Representative must be used on the work for which they were proposed and accepted and shall not be changed except with the written approval of the Owner and the Owner's Representative.

If requested, the supplemental Subcontractors and Products List will be submitted by email to the Owner, bidtab@iu.edu, and Heapy, maroot@Heapy.com within 48 hours of the bid opening. The understanding of the Owner and the design team is that these same Major Subcontractors will be the same subcontractors listed below.

The Contractor proposes to utilize the following primary subcontractors for the work indicated.

List one major subcontractor per trade. Any deviation could result in the Owner removing the bid from consideration.

Indicate which are certified by the State of Indiana as an MBE, WBE, or VBE company by circling the M/W/VBE after the name.

General: _____ M/W/VBE

Electrical: _____ M/W/VBE

ALTERNATE PROPOSALS

1. Alternate proposals are requested under Alternates of the Bidding Documents. (See Specification Index)
2. The alternate proposal shall indicate the amount to be added to or deducted from the Lump Sum Base Bid if the alternate proposal is accepted by the Owner.
3. The alternate proposal shall include all costs necessary for the complete installation of the materials or items indicated for the alternate proposal, including materials, labor, equipment, operations, administration, overhead, profit, and taxes (as applicable).
4. The alternate proposal shall also include all costs for changes in the work (including work of other Separate Contracts) that will be made necessary by acceptance of the alternate proposal.
5. The Bidder shall submit prices for all the alternates listed below in the manner indicated. Cross out (Add) or (Deduct) as applicable. If there is no change in price to the Lump Sum Base Bid, write in "No Change".

Mandatory Alternate No. 1: Chiller Alternate

Provide Chiller No. ACC-1.

Bidder is required to list a price for AT LEAST ONE (1) Chiller Manufacturer, although bidders are encouraged to offer prices for more than one (1) Chiller Manufacturer. The submitted equipment will be evaluated as described in Section 236420 and factors other than price may be taken into consideration as the bids are analyzed.

In order for the Chiller Manufacturer's price – submitted by the Bidder – to be valid, the Chiller Manufacturer must submit the following criteria by which the chiller bid will be evaluated:

Upload all proposed chiller submittals in PDF format along with required bid form and supplemental documents.

*Label each PDF submittal as follows:

“[your company name] – IU [project number] – [manufacturer name]”

Alternate No. 1A: Trane

(Add) _____ Dollars \$ _____
(written amount) (numerals)

Alternate No. 1B: Daikin

(Add) _____ Dollars \$ _____
(written amount) (numerals)

Alternate No. 1C: Carrier

(Add) _____ Dollars \$ _____
(written amount) (numerals)

Alternate No. 2: Provide all labor and materials required to replace existing chilled water pumps. Replace existing starters, disconnects, feeders, piping connections, and controls as indicated on drawings.

(Add) _____ Dollars \$ _____
(written amount) (numerals)

Alternate No. 3: Provide all labor and materials required to remove existing cooling tower, starters, disconnects, feeders, piping connections, and controls as indicated on drawings.

(Add) _____ Dollars \$ _____
(written amount) (numerals)

Alternate No. 4: Adjustment to this bid if awarded IU project #20241404 and IU project #20210422.

(Deduct) _____ Dollars \$ _____
(written amount) (numerals)

TAX EXEMPTIONS

The undersigned Bidder has informed himself and all his prospective sub-contractors and suppliers of the tax exempt status of the Owner, as set forth in the General Conditions, and therefore, has not

SUBSTITUTIONS

The undersigned Bidder has based his bid upon the materials, products, articles, equipment, brands, manufacturers and processes described in the Bidding Documents or upon approved equivalents. Proof of equivalency of substitutions is the responsibility of the Bidder, but the Architect/Engineer shall be the sole judge of equivalency. Proposed equivalent substitutions shall be equal in all respects to the requirements of the Bidding Documents, including but not limited to the design, quality, physical size, performance characteristics, strength, previous history of use, and to the method of installation, attachment, or connection to related or adjoining work. Determination of equivalency of proposed substitutions shall be by the Architect/Engineer, before the bid opening date, as described in paragraph entitled "Substitutions" in the Instructions to Bidders.

COMPLETION DATE

The Undersigned Bidder agrees to coordinate and expedite his work, and shall take into consideration any lead time and schedule parameters, with all contractors and that this Work will be completed no later than April 1, 2026.

ASSIGNMENT OF COORDINATION

The undersigned Bidder agrees, to the assignment of Mechanical and Electrical work to the successful General Contractor for the responsibility of complete coordination of the work as stated in the Instructions to Bidders.

PERFORMANCE AND PAYMENT BOND

The undersigned Bidder agrees, if awarded the Contract, to deliver to the Owner a satisfactory Performance Bond, in the full amount (100%) of the total Contract price, not later than the date of execution of the contract. The cost of the Bond shall be included in the Lump Sum Base Bid contained in this Proposal.

SUPPLEMENTAL AND REQUIRED DOCUMENTS

Bid Security; State Form 96 (Revised 2013); Written Drug Testing Program, which must be in full compliance with IC 4-13-18; a completed Minority, Women's and Veteran's Business Enterprise Participation Plan; Contractor Asbestos Certification; Asbestos Protocol for Contractors.

ADDENDA

The following Addenda have been received by the undersigned Bidder; and all costs resulting from these Addenda have been included in the preparation of this Bid Form:

Addendum No. _____	Dated _____
Addendum No. _____	Dated _____
Addendum No. _____	Dated _____

SIGNATURES

1. **When a Bidder is an Individual:**

_____	_____
Witness	Bidder
Date: _____	Address: _____

2. **When a Bidder is a Partnership:**

	Name of Partnership
Date: _____	Address: _____

_____	_____
Partner	Partner

3. **When Bidder is a Corporation:**

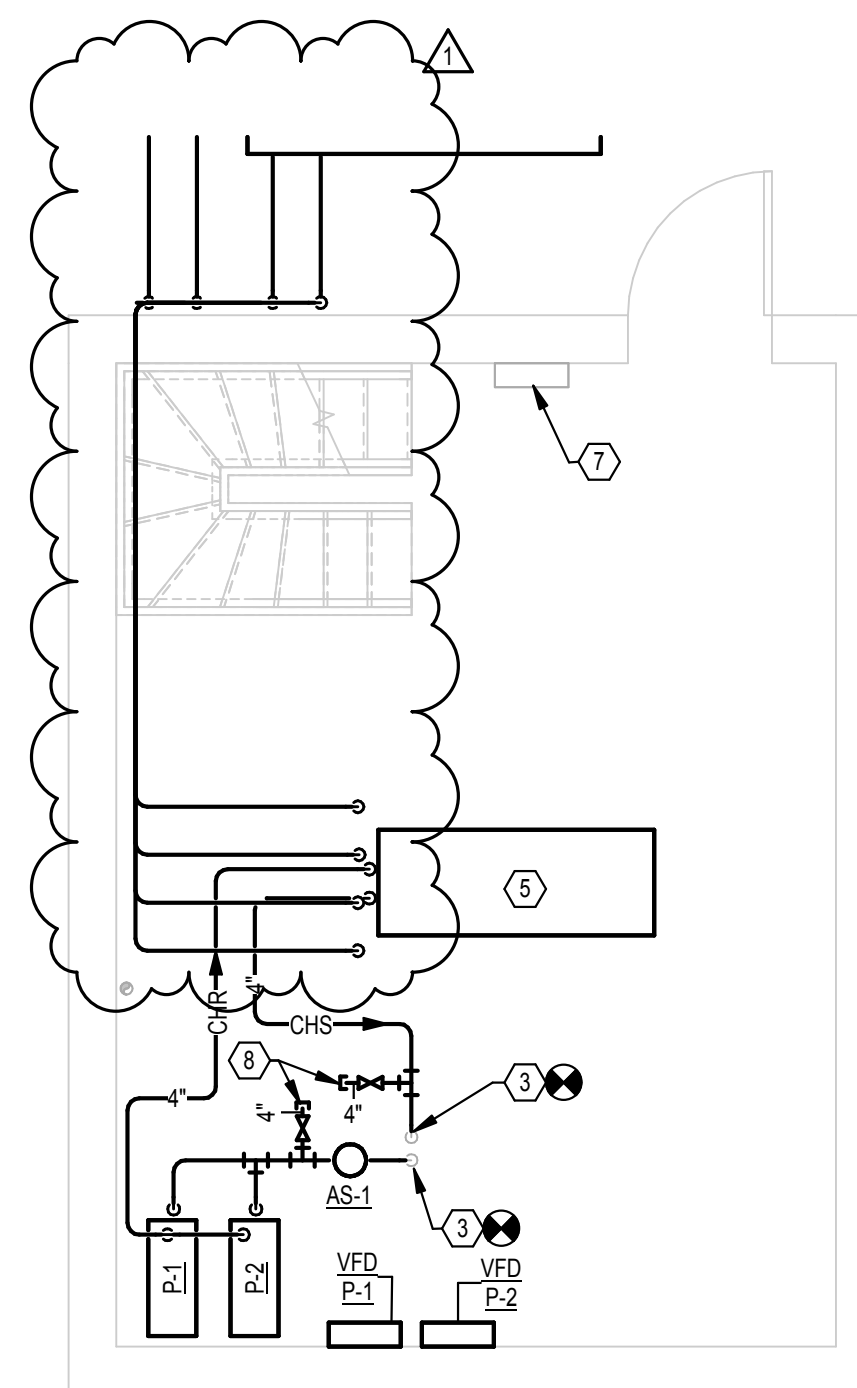
	Name of Corporation
Date: _____	Address: _____

	By: _____
	President
Attest: _____	
Secretary	

CORPORATE SEAL

END

****Submit bid online via www.iuplanroom.com****



Technical drawing of a window frame assembly. The drawing includes a perspective view of the window frame at the top, showing the internal structure and the placement of the glass panes. Below the perspective view are two cross-sectional views of the window frame, labeled with circled numbers 1 and 2. The cross-sections show the internal structure of the frame, including the glass panes and the surrounding frame material. The drawing is a technical illustration of a window frame assembly, showing the internal structure and the placement of the glass panes.

- 1 REFRIGERANT SUCTION LINES LOCATED DIRECTLY BELOW ALL 4 LIQUID LINES. ALL REFRIGERANT LINES SHALL BE INSULATED AND HAVE AN ALUMINUM JACKET. PIPES SHALL BE RACKED ALONG EXISTING RETAINING WALL.
- 2 PROVIDE INSULATED BLANK OFF PANELS ON THE INTERIOR SIDE OF EXISTING LOUVERS. SEAL AIR TIGHT.
- 3 CONNECT TO EXISTING CHILLED WATER. PROVIDE VALVE IN THE VERTICAL POSITION WHERE NEW PIPE WILL CONNECT TO EXISTING.
- 4 REFRIGERANT LINES TO BE SLOPED PER MANUFACTURER REQUIREMENTS. PIPING TO GO THRU WALL INSIDE PROTECTIVE SLEEVE. REFRIGERANT LINE SIZES AND SPECIALTIES PER EQUIPMENT MANUFACTURER.
- 5 REMOTE EVAPORATOR
- 6 SERVICE CLEARANCE.
- 7 EXISTING TEMPERATURE CONTROL PANEL TO REMAIN. PROTECT DURING CONSTRUCTION.
- 8 PROVIDE PIPE CAP.
- 9 MAINTAIN MINIMUM CLEARANCE AS RECOMMENDED BY EQUIPMENT MANUFACTURER. 6 FT HIGH CEDAR WOOD FENCE COMPOSED OF 4" x 4" PRESSURE TREATED WOOD POSTS, 2" x 4" PRESSURE TREATED WOOD FRAME, 1" x 6" ROUGH HEWN CEDAR SIDING WITH 1/2" CAPS, 2" x 10" ROUGH HEWN CEDAR CAP AND 1/2" x 1-1/2" x 24" PAINTED STEEL POST MOUNTING STRAPS AND 6FT GATE. PROVIDE MINIMUM CLEARANCE AS RECOMMENDED BY EQUIPMENT MANUFACTURER
- 10 4" HIGH HOUSE PAVING PAD.
- 11 REFRIGERANT SUCTION LINES LOCATED DIRECTLY BELOW ALL 4 LIQUID LINES. ALL REFRIGERANT LINES SHALL BE INSULATED AND HAVE AN ALUMINUM JACKET. PIPES SHALL BE RACKED ALONG EXISTING RETAINING WALL.
- 12 FENCE GATE TO BE LOCATED HERE.

A



P: 317-571-8795 www.heapy.com
PROJECT NO. 2025-06024

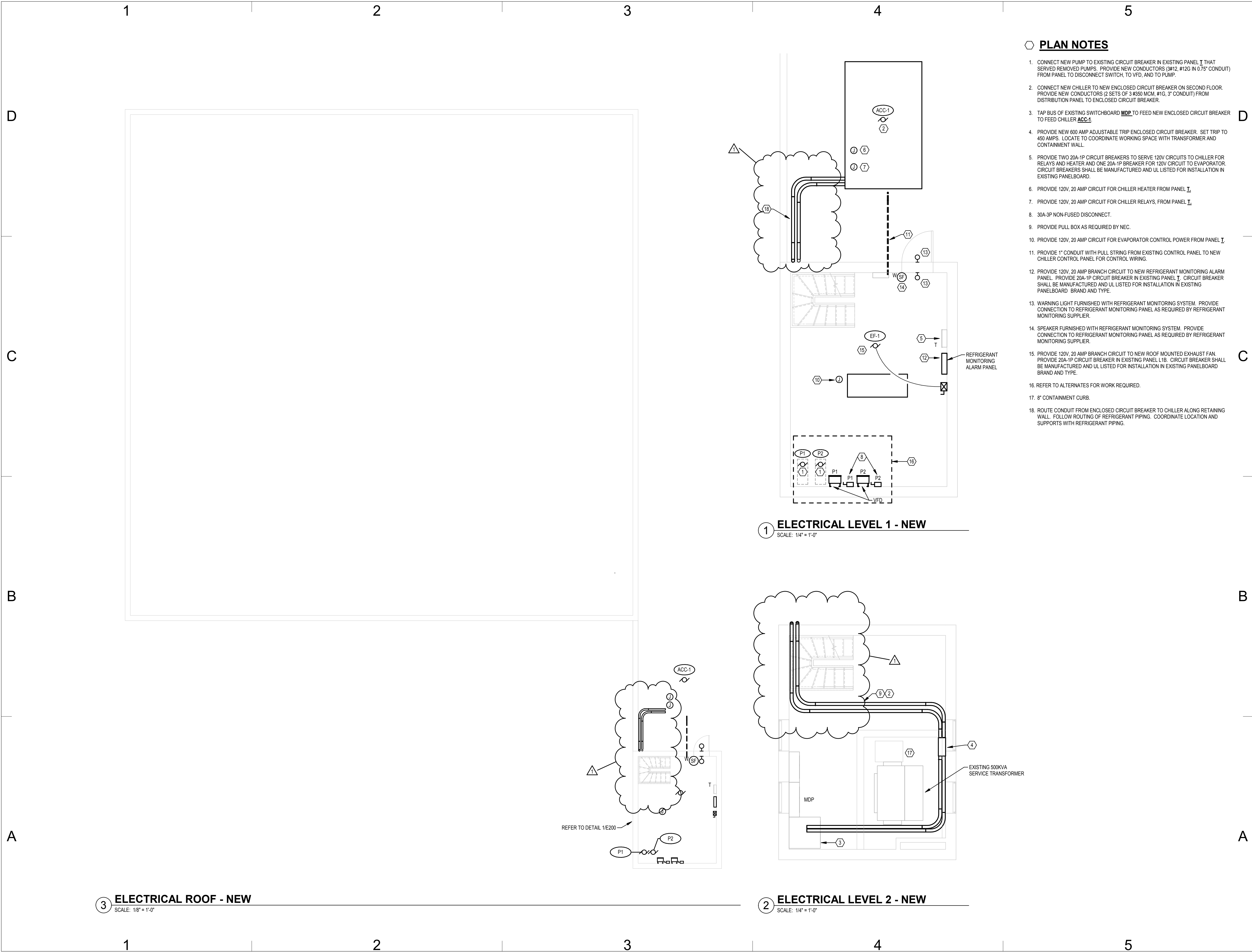
BL580 - INSTITUTE
DISABILITY & COMMUNITY
- CHILLER CAPACITY AND
OPERATIONAL REHAB
OWNER
INDIANA UNIVERSITY
2810 EAST DISCOVERY
PARKWAY
BLOOMINGTON, IN 47408

1	06/05/2025	ADDENDA #1	
MARK	DATE	DESCRIPTION	
PROJECT NO:	20241404		
REVIT FILE:	C:\BIMModel\2025-06024-MEP-Central_jalynchi\HZGAMY.rvt		
DRAWN BY:	JAL		
CHK'D BY:	ELL		
PROJECT STATUS:	100% CONSTRUCTION DOCUMENTS		
ISSUE DATE:	MAY 15, 2025		
COPYRIGHT:			

SHEET TITLE

HVAC NEW

M200



- PLAN NOTES**
- CONNECT NEW PUMP TO EXISTING CIRCUIT BREAKER IN EXISTING PANEL **I** THAT SERVED REMOVED PUMPS. PROVIDE NEW CONDUCTORS (3/12, #12S IN 0.75\"/>
 - CONNECT NEW CHILLER TO NEW ENCLOSED CIRCUIT BREAKER ON SECOND FLOOR. PROVIDE NEW CONDUCTORS (2 SETS OF 3 #350 MCM, #16, 3\"/>
 - TAP BUS OF EXISTING SWITCHBOARD **MDP** TO FEED NEW ENCLOSED CIRCUIT BREAKER TO FEED CHILLER **ACC-1**.
 - PROVIDE NEW 600 AMP ADJUSTABLE TRIP ENCLOSED CIRCUIT BREAKER. SET TRIP TO 450 AMPS. LOCATE TO COORDINATE WORKING SPACE WITH TRANSFORMER AND CONTAINMENT WALL.
 - PROVIDE TWO 20A-1P CIRCUIT BREAKERS TO SERVE 120V CIRCUITS TO CHILLER FOR RELAYS AND HEATER AND ONE 20A-1P BREAKER FOR 120V CIRCUIT TO EVAPORATOR. CIRCUIT BREAKERS SHALL BE MANUFACTURED AND UL LISTED FOR INSTALLATION IN EXISTING PANELBOARD.
 - PROVIDE 120V, 20 AMP CIRCUIT FOR CHILLER HEATER FROM PANEL **I**.
 - PROVIDE 120V, 20 AMP CIRCUIT FOR CHILLER RELAYS, FROM PANEL **I**.
 - 30A-3P NON-FUSED DISCONNECT.
 - PROVIDE PULL BOX AS REQUIRED BY NEC.
 - PROVIDE 120V, 20 AMP CIRCUIT FOR EVAPORATOR CONTROL POWER FROM PANEL **I**.
 - PROVIDE 1\"/>
 - PROVIDE 120V, 20 AMP BRANCH CIRCUIT TO NEW REFRIGERANT MONITORING ALARM PANEL. PROVIDE 20A-1P CIRCUIT BREAKER IN EXISTING PANEL **I**. CIRCUIT BREAKER SHALL BE MANUFACTURED AND UL LISTED FOR INSTALLATION IN EXISTING PANELBOARD. BRAND AND TYPE.
 - WARNING LIGHT FURNISHED WITH REFRIGERANT MONITORING SYSTEM. PROVIDE CONNECTION TO REFRIGERANT MONITORING PANEL AS REQUIRED BY REFRIGERANT MONITORING SUPPLIER.
 - SPEAKER FURNISHED WITH REFRIGERANT MONITORING SYSTEM. PROVIDE CONNECTION TO REFRIGERANT MONITORING PANEL AS REQUIRED BY REFRIGERANT MONITORING SUPPLIER.
 - PROVIDE 120V, 20 AMP BRANCH CIRCUIT TO NEW ROOF MOUNTED EXHAUST FAN. PROVIDE 20A-1P CIRCUIT BREAKER IN EXISTING PANEL **I**15. CIRCUIT BREAKER SHALL BE MANUFACTURED AND UL LISTED FOR INSTALLATION IN EXISTING PANELBOARD. BRAND AND TYPE.
 - REFER TO ALTERNATES FOR WORK REQUIRED.
 - 8\"/>
 - ROUTE CONDUIT FROM ENCLOSED CIRCUIT BREAKER TO CHILLER ALONG RETAINING WALL. FOLLOW ROUTING OF REFRIGERANT PIPING. COORDINATE LOCATION AND SUPPORTS WITH REFRIGERANT PIPING.

CONSULTANTS

P: 317-571-8795 www.heapy.com
PROJECT NO. 2025-06024

**BL580 - INSTITUTE
DISABILITY & COMMUNITY
- CHILLER CAPACITY AND
OPERATIONAL REHAB**

OWNER
**INDIANA UNIVERSITY
2810 EAST DISCOVERY
PARKWAY
BLOOMINGTON, IN 47408**

1	06/05/2025	ADDENDA #1
MARK	DATE	DESCRIPTION
PROJECT NO: 20241404		
REVIT FILE: C:\BMM\Modell\2025-06024-MEP-Central_dfludchins.rvt		
DRAWN BY: MAR		
CHKD BY: KAS		
PROJECT STATUS: 100% CONSTRUCTION DOCUMENTS		
ISSUE DATE: MAY 15, 2025		
COPYRIGHT:		
SHEET TITLE		
ELECTRICAL NEW		
E200		

C:\BMM\Modell\2025-06024-MEP-Central_dfludchins.rvt
05/2/2025 10:51:52 AM