



Addendum #03

OWNER: Grand Rapids Public Schools

PROJECT: Coit Arts Academy – Phase 2 Summer 2025 Work
617 Coit Ave NE
Grand Rapids, MI 49506

DESIGN PROFESSIONAL: C2AE
Project #23062

CONSTRUCTION MANAGER: Triangle Associates, Inc.

Addendum No. 03

Date Issued: 09/24/2024

Drawings Issued: M-601.2, M701.2, M801.2

Specifications Issued: None

Documents Issued: C2AE Addendum #3 Narrative & Drawings

Revisions to work scopes:

WC 230 - Mechanical:

28 *Alternate 2: Regardless of the general note on the "Existing Hood Schedule" on M-103.2, the VFD's shall be provided by WC 230 base bid and/or alternate. (Add. 3)*

WC 260 – Electrical:

32 *Alternate 2: Regardless of the general note on the "Existing Hood Schedule" on M-103.2, the VFD's shall be provided by WC 230 base bid and/or alternate. (Add. 3)*

All bidders are to incorporate these revisions into their proposals and to acknowledge receipt of this addendum where requested on the Proposal Form. Bidders are reminded that verbal clarifications or revisions from the C2AE or Construction Manager are non-binding and that only published addenda shall be honored.

RESPECTFULLY SUBMITTED:
TRIANGLE ASSOCIATES, INC.



Addendum # 3

Project No.:	23-0458	Date:	September 23, 2024
Project:	Coit Creative Arts Academy Bid Package #2 Grand Rapids Public Schools Kent County, Michigan	A/E Firm:	C2AE
		Project Manager:	Steve Jurczuk
Owner:	Grand Rapids Public Schools 1331 M.L.K. Jr. St SE Grand Rapids, MI 49506		

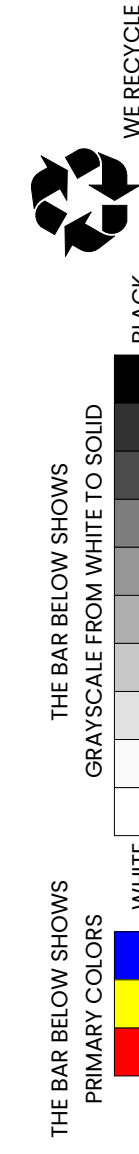
The following changes, revisions, modifications, etc. shall be incorporated into the contract documents, specifications, and plans.

BID FORM

A3.1 The Bidder shall acknowledge receipt of Addenda #3 by indicating so in the spaces provided on the Bid Form.

DRAWINGS

- A3.2 Refer to Sheet M-601.2 (reissued):
Revise Mechanical Schedules.
- A3.3 Refer to Sheet M-701.2 (reissued):
Revise Mechanical Diagrams & Schematics.
- A3.4 Refer to Sheet M-801.2 (reissued):
Revise Mechanical Control Sequences of Operation.



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MECHANICAL SCHEDULES

COIT CREATIVE ARTS ACADEMY
617 COIT AVE., GRAND RAPIDS, MI 49503

PHASE

CONSTRUCTION DOCUMENTS

ISSUANCES

DESCRIPTION DATE

0 CONSTRUCTION DOCUMENTS 23-AUG-2024

A03 ADDENDUM 3 23-SEP-2024

PROJ. #: 230458

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M-601.2

Addendum #3

FAN POWERED VARIABLE AIR VOLUME BOX SCHEDULE table with columns: GENERAL, SUPPLY FAN (ECM), PRIMARY AIRFLOW, HYDRONIC REHEAT, ELECTRICAL, NOTES

- 1. PROVIDE WITH REMOTE WALL MOUNTED THERMOSTAT.
2. PROVIDE WITH HIGH-EFFICIENCY ELECTRONICALLY COMMUTATED MOTOR (ECM).

GLYCOL MAKEUP UNIT SCHEDULE table with columns: MARK, MANUFACTURER, MODEL, SERVING, CAPACITY (GALLONS), PRESSURE RANGE (PSI), CAPACITY (GPM @ PSI), DIA x LENGTH (IN), WEIGHT (LBS)

EXHAUST FAN SCHEDULE table with columns: GENERAL, FAN, ELECTRICAL, WEIGHT (LBS), NOTES

- 1. FURNISH WITH FACTORY PROVIDED DISCONNECT.
2. PROVIDE MOTORIZED DAMPER POWERED BY FAN CIRCUIT.
3. PROVIDE WITH ALUMINUM BIRDSCREEN.
4. REUSE EXISTING ROOF CURB FOR MOUNTING. PROVIDE CURB ADAPTER IF NECESSARY.

CONDENSER SCHEDULE table with columns: GENERAL, SUCTION SIZE O.D. (IN), LIQUID SIZE O.D. (IN), COOLING PERFORMANCE, CAPACITY (TONS), FAN HP, VOLTAGE, PHASE, MCA, WEIGHT (LBS), NOTES

- 1. PROVIDE WITH PREFABRICATED HDPE BASE FOR ROOF MOUNTING.

DIFFUSER, REGISTER, AND GRILLE SCHEDULE table with columns: GENERAL, DESCRIPTION, FINISH, MATERIAL, NECK SIZE, NOTES

- 1. FURNISH WITH OPPOSED BLADE DAMPER.
2. INSTALL WALL MOUNTED UNITS WITH BLADES ANGLED UP.

PUMP SCHEDULE table with columns: GENERAL, PERFORMANCE, ELECTRICAL, NOTES

- 1. FURNISH WITH VARIABLE FREQUENCY DRIVE.
2. BASE MOUNTED CONFIGURATION.
3. MOUNT ON 6" HOUSEKEEPING PAD. SEE PLAN FOR DIMENSIONS.

VARIABLE AIR VOLUME BOX SCHEDULE table with columns: GENERAL, AIRFLOW, HYDRONIC RE-HEAT, NOTES

- 1. PROVIDE WITH REMOTE WALL MOUNTED THERMOSTAT.

AIR HANDLING UNIT SCHEDULE table with columns: GENERAL, SUPPLY FAN, CHILLED WATER COOLING, HEATING COIL, ELECTRICAL, WEIGHT (LBS), NOTES

- 1. PROVIDE WFD AND MOUNTING SUPPORTS AS REQUIRED.
2. BACNET COMMUNICATION INTERFACE WITH BMS INTEGRATION.
3. PROVIDE DISCHARGE AIR SENSOR AND MIXED AIR SENSOR TIED TO BMS.
4. MOUNT ON EXISTING 4" CONCRETE EQUIPMENT PADS. INSTALL ADDITIONAL CONCRETE PAD AS REQUIRED FOR NEW UNIT SIZES.
5. PROVIDE WITH SUPPLY FAN PLENUM PERFORATED PANELS FOR GREATER ACOUSTICAL PERFORMANCE.

AIR COOLED CHILLER SCHEDULE table with columns: GENERAL, PERFORMANCE, CONDENSER, ELECTRICAL, WEIGHT (LBS), NOTES

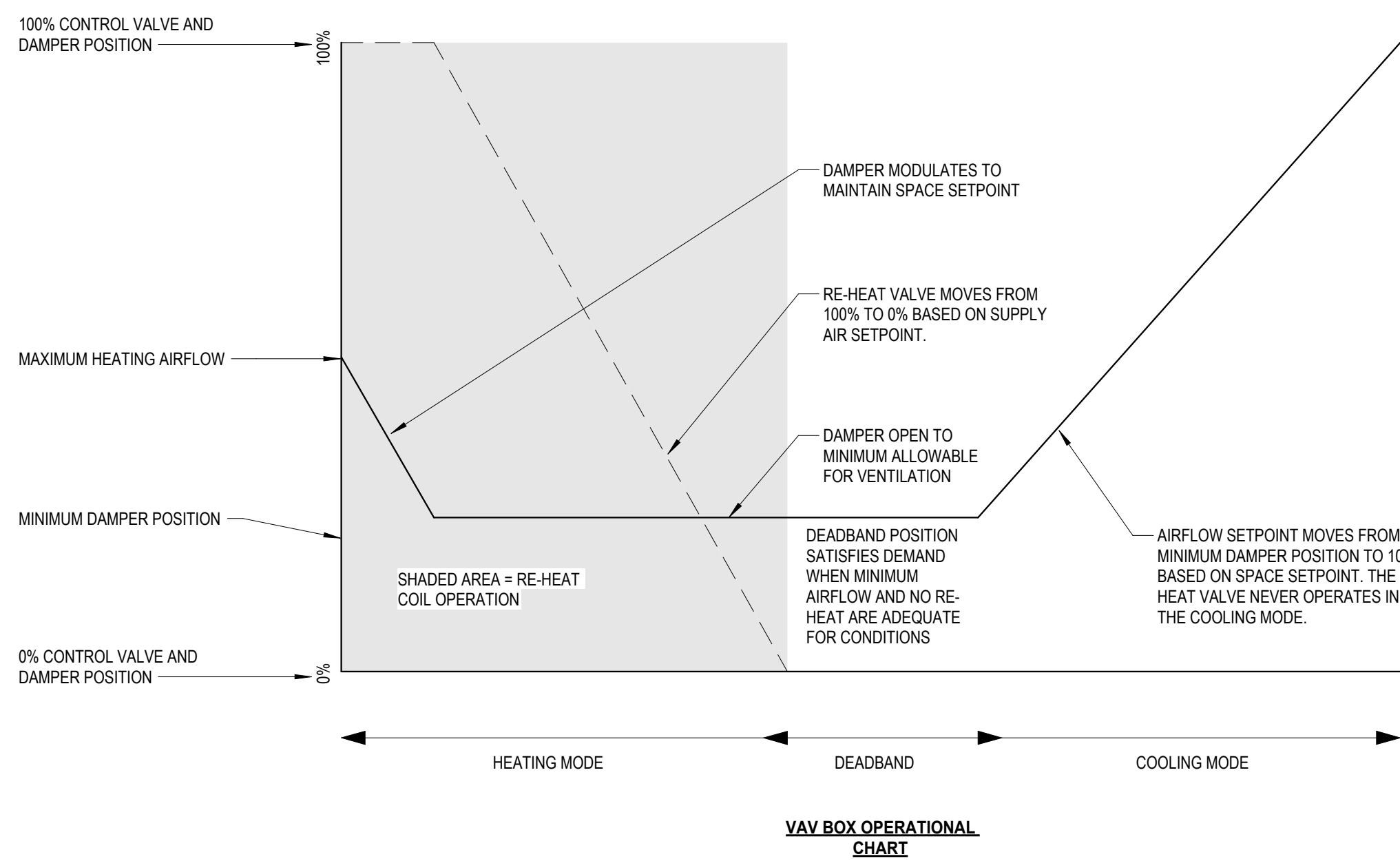
- 1. FURNISH WITH NON-FUSED DISCONNECT.
2. FURNISH WITH VARIABLE FREQUENCY DRIVE FOR COMPRESSOR(S).
3. PROVIDE WITH BACNET INTERFACE AND BMS INTEGRATION.
4. PROVIDE WITH 20A 115V CONVENIENCE OUTLET.
5. PROVIDE WITH INVISISOUND ULTIMATE SOUND PACKAGE.
6. FACTORY 3/4" INSULATION FOR ALL COLD PARTS.
7. PROVIDE WITH LOW AMBIENT UNIT TYPE.

FAN COIL UNIT SCHEDULE table with columns: GENERAL, SUPPLY FAN, DX COOLING, HYDRONIC HEATING, ELECTRICAL, WEIGHT (LBS), NOTES

- 1. ELECTRONICALLY COMMUTATED MOTOR FOR VARIABLE AIRFLOW.
2. PROVIDE WITH WALL MOUNTED THERMOSTAT IN SPACE SERVED.
3. PROVIDE WITH CONDENSATE PUMP BLUE DIAMOND MAXIFLUE 3.7 GPH OR SIMILAR.
4. PROVIDE WITH CONDENSATE DRAIN PAN OVERFLOW SENSOR.

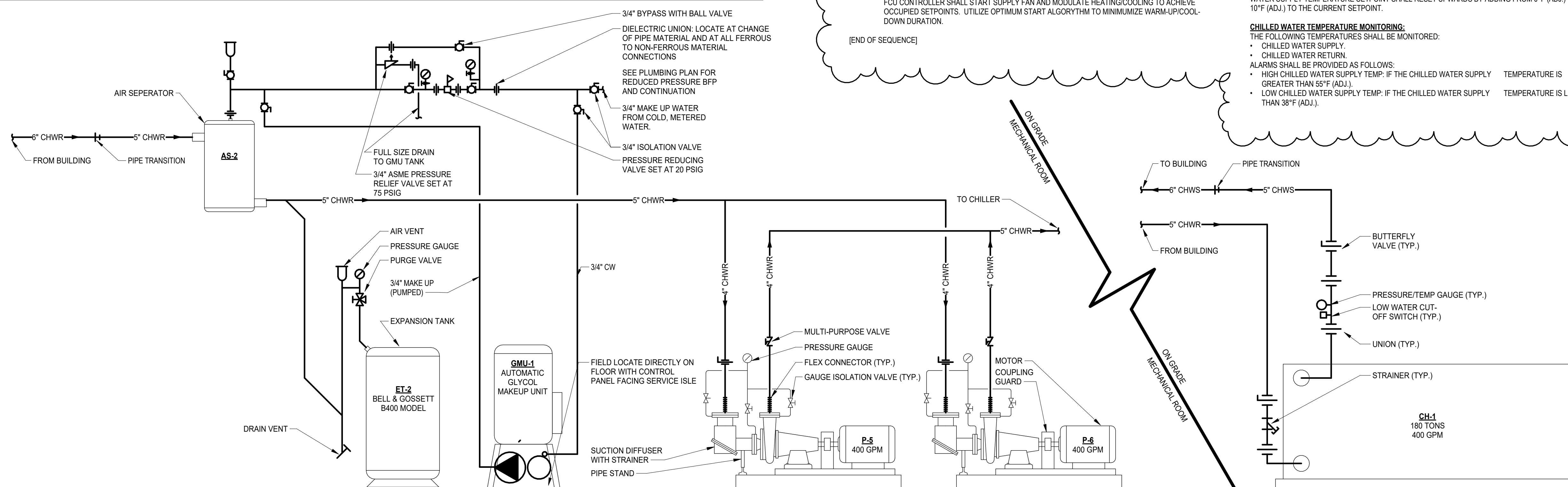
ROOM VENTILATION AIR TABLE table with columns: GENERAL, VENTILATION, ROOM NUMBER, ROOM NAME, AREA, ASSOCIATED UNIT, OCCUPANCY CATEGORY, OCCUPANCY CLASSIFICATION, DESIGN NO. OF OCCUPANTS, *PEOPLE OA RATE (CFM/PERSON), *AREA OA RATE (CFM/SF), MIN REQUIRED OA (CFM), DESIGN OA (CFM) (+20%)

*2021 MICHIGAN MECHANICAL CODE MINIMUM VENTILATION RATES TABLE 403.3.1.1.

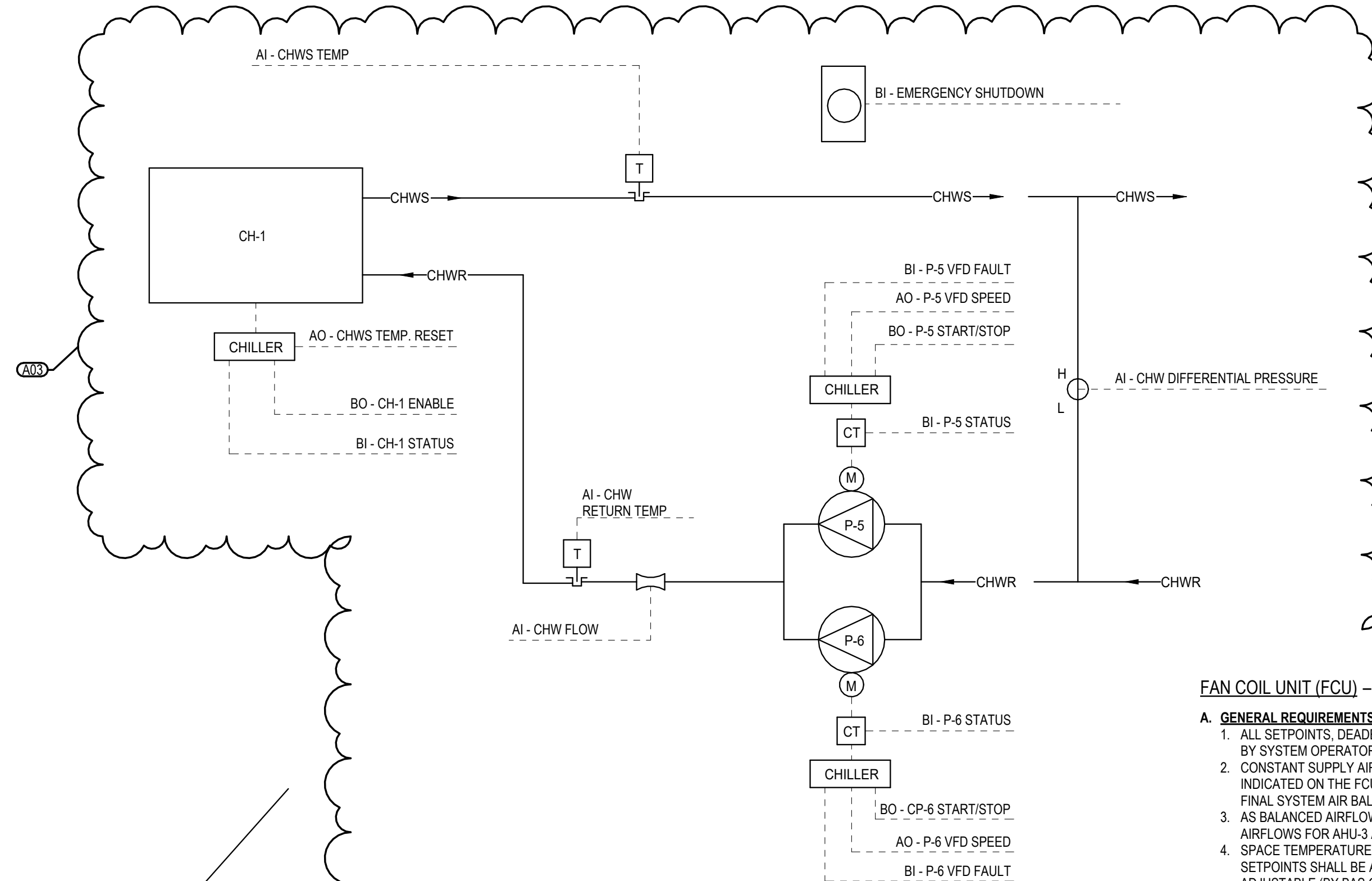


2 CONTROLS - VAV OPERATION CHART
NOT TO SCALE

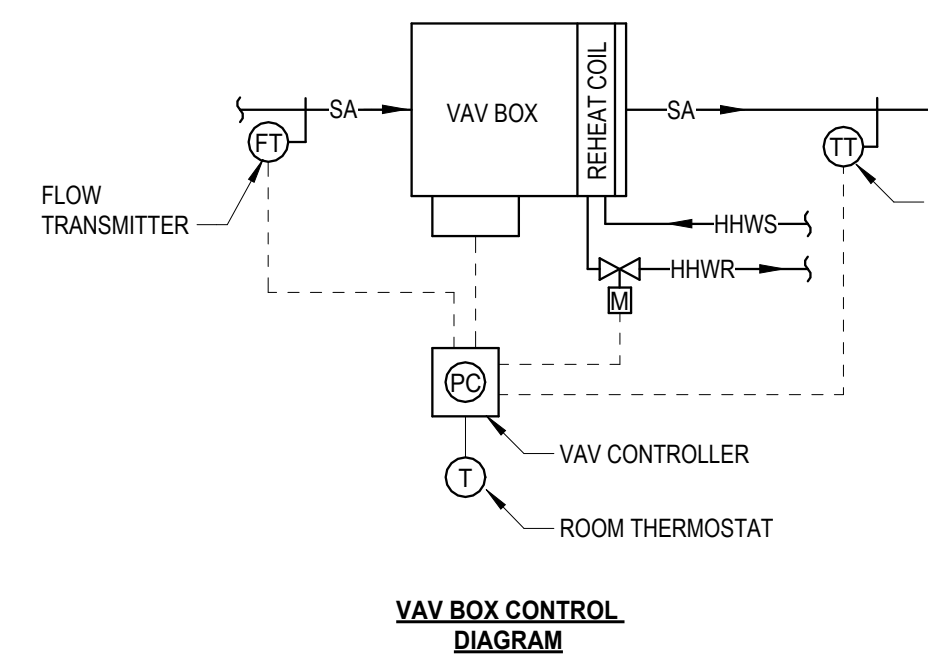
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1 HYDRONICS - AIR COOLED CHILLER MECHANICAL ROOM SCHEMATIC
NOT TO SCALE



3 CONTROLS DIAGRAM - CHILLED WATER SYSTEM
NOT TO SCALE



VAV BOX CONTROL DIAGRAM

FAN COIL UNIT (FCU) - HW HEATING COIL & DX COOLING COIL

- A. GENERAL REQUIREMENTS FOR ALL ATUS:**
- ALL SETPOINTS, DEADBANDS, AND TIME DELAYS DESCRIBED IN SEQUENCES SHALL BE ADJUSTABLE BY SYSTEM OPERATORS (CREATE REQUIRED VIRTUAL POINTS).
 - CONSTANT SUPPLY AIRFLOW (FCU FAN) AND PRIMARY AIRFLOW (FROM AHU-3) SHALL BE AS INDICATED ON THE FCU SCHEDULES. AIRFLOWS ESTABLISHED WITH MANUAL DAMPERS DURING FINAL SYSTEM AIR BALANCING.
 - AS BALANCED AIRFLOWS SHALL BE INDICATED ON BAS GRAPHICS. INCLUDE FCU PRIMARY AIRFLOWS FOR AHU-3 ACTIVE AIRFLOW TOTALIZATION.
 - SPACE TEMPERATURE SHALL BE MEASURED IN REAL TIME FOR BAS DISPLAY. SPACE TEMPERATURE SETPOINTS SHALL BE AS FOLLOWS (UNLESS NOTED OTHERWISE). ALL SETPOINTS SHALL BE ADJUSTABLE (BY BAS OPERATOR ONLY).
 - OCCUPIED HEATING: 70° F
 - OCCUPIED COOLING: 75° F
 - UNOCCUPIED HEATING: 65° F
 - UNOCCUPIED COOLING: 78° F
 - A 5° F DEADBAND BETWEEN ACTIVE HEATING AND COOLING SPACE TEMPERATURE SETPOINTS SHALL BE MAINTAINED TO PREVENT SHORT CYCLING SITUATIONS.
 - SPACE TEMPERATURE SENSOR (OR THERMOSTAT) SHALL INCLUDE A TEMPORARY UNOCCUPIED-TO-OCCUPIED OVERRIDE BUTTON. DURATION OF TEMPORARY OVERRIDE SHALL BE LIMITED TO ONE-HOUR (ADJUSTABLE BY BAS OPERATOR ONLY).
 - SPACE TEMPERATURE SENSOR (OR THERMOSTAT) SHALL ALLOW FOR TEMPERATURE SETPOINT ADJUSTMENT OVERRIDE. SETPOINT OVERRIDE SHALL BE LIMITED TO +/- 2° F. BAS GRAPHICS SHALL DISPLAY ACTIVE SETPOINT ADJUSTMENT.
- B. UNOCCUPIED MODE:**
- WHEN THE BAS OCCUPANCY SCHEDULE DETERMINES THAT THE BUILDING, ZONE, AND SPACE IS TO BE UNOCCUPIED, THE UNOCCUPIED HEATING/COOLING SETPOINTS SHALL BE ACTIVE. FCU CONTROLLER SHALL STOP SUPPLY FAN, DISABLE DX COOLING, AND CLOSE THE HEATING COIL VALVE.
 - IF SPACE TEMPERATURE RISES ABOVE UNOCCUPIED COOLING SETPOINT, FCU CONTROLLER SHALL START SUPPLY FAN AND MODULATE STAGE DX COOLING. ONCE SPACE TEMPERATURE DROPS SUFFICIENTLY BELOW UNOCCUPIED COOLING SETPOINT, FCU SHALL STOP SUPPLY FAN AND DISABLE DX COOLING.
 - IF SPACE TEMPERATURE DROPS BELOW UNOCCUPIED HEATING SETPOINT, FCU CONTROLLER SHALL START SUPPLY FAN AND OPEN HEATING COIL VALVE. ONCE SPACE TEMPERATURE RISES SUFFICIENTLY ABOVE UNOCCUPIED HEATING SETPOINT, FCU SHALL CLOSE HEATING COIL VALVE AND STOP SUPPLY FAN.
 - IF THE TEMPORARY UNOCCUPIED-TO-OCCUPIED OVERRIDE BUTTON ON THE SPACE TEMPERATURE SENSOR (OR THERMOSTAT) IS PRESSED, FCU SHALL OPERATE IN OCCUPIED MODE FOR A LIMITED DURATION AS DEFINED ABOVE.
- C. OCCUPIED MODE:**
- WHEN THE BAS OCCUPANCY SCHEDULE DETERMINES THAT THE BUILDING, ZONE, AND SPACE IS TO BE OCCUPIED, FCU CONTROLLER SHALL START SUPPLY FAN, MODULATE STAGE DX COOLING TO MAINTAIN OCCUPIED COOLING SETPOINT, OR MODULATE HEATING COIL VALVE TO MAINTAIN OCCUPIED HEATING SETPOINT.
 - MORNING WARM-UP/COOL-DOWN:** IF THE SPACE TEMPERATURE IS BEYOND THE OCCUPIED HEATING/COOLING SETPOINTS 60 MINUTES (ADJUSTABLE) PRIOR TO SCHEDULED OCCUPANCY, FCU CONTROLLER SHALL START SUPPLY FAN AND MODULATE HEATING/COOLING TO ACHIEVE OCCUPIED SETPOINTS. UTILIZE OPTIMUM START ALGORITHM TO MINIMIZE WARM-UP/COOL-DOWN DURATION.
- [END OF SEQUENCE]

SEQUENCE OF OPERATION FOR CHILLED WATER SYSTEM

- CHILLER - RUN CONDITIONS:**
- THE CHILLER SHALL BE ENABLED TO RUN WHENEVER IT IS COMMANDED TO BE ENABLED BY THE CHILLER MANAGER PROGRAM. THE CHILLER SHALL RUN SUBJECT TO ITS OWN INTERNAL SAFETIES AND CONTROLS.
- EMERGENCY SHUTDOWN:**
- THE CHILLER SHALL SHUT DOWN AND AN ALARM GENERATED UPON RECEIVING AN EMERGENCY SHUTDOWN SIGNAL STATUS.
- CHILLED WATER PUMP LEAD/STANDBY OPERATION:**
- THE TWO CHILLED WATER PUMPS SHALL RUN ANYTIME THE CHILLER IS CALLED TO RUN. THE CHILLED WATER PUMP SHALL ALSO RUN FOR FREEZE PROTECTION WHENEVER THE OUTSIDE AIR TEMPERATURE IS LESS THAN A USER DEFINABLE SETPOINT (ADJ.). THE LEAD PUMP SHALL START PRIOR TO THE CHILLER BEING ENABLED AND SHALL STOP ONLY AFTER THE CHILLER IS DISABLED. THE PUMP(S) SHALL THEREFORE HAVE:
- A USER ADJUSTABLE DELAY ON START.
 - AND A USER ADJUSTABLE DELAY ON STOP.
- THE DELAY TIMES SHALL BE SET APPROPRIATELY TO ALLOW FOR ORDERLY CHILLED WATER SYSTEM START-UP, SHUTDOWN AND SEQUENCING. THE TWO PUMPS SHALL OPERATE IN A LEAD/STANDBY FASHION.
- THE LEAD PUMP SHALL RUN FIRST.
 - ON FAILURE OF THE LEAD PUMP, THE STANDBY PUMP SHALL RUN AND THE LEAD PUMP SHALL TURN OFF.
- THE DESIGNATED LEAD PUMP SHALL ROTATE UPON ONE OF THE FOLLOWING CONDITIONS (USER SELECTABLE):
- MANUALLY THROUGH A SOFTWARE SWITCH
 - IF PUMP RUNTIME (ADJ.) IS EXCEEDED
 - DAILY
 - WEEKLY
 - MONTHLY
- ALARMS SHALL BE PROVIDED AS FOLLOWS:
- CHILLED WATER PUMP (EACH)
 - FAILURE: COMMANDED ON, BUT THE STATUS IS OFF.
 - RUNNING IN HAND: COMMANDED OFF, BUT THE STATUS IS ON.
 - RUNTIME EXCEEDED: STATUS RUNTIME EXCEEDS A USER DEFINABLE LIMIT.
 - VFD FAULT.
- CHILLED WATER DIFFERENTIAL PRESSURE CONTROL:**
- THE CONTROLLER SHALL MEASURE CHILLED WATER DIFFERENTIAL PRESSURE AND MODULATE THE LEAD CHILLED WATER PUMP VFD TO MAINTAIN ITS CHILLED WATER DIFFERENTIAL PRESSURE SETPOINT. THE FOLLOWING SETPOINTS ARE RECOMMENDED VALUES. ALL SETPOINTS SHALL BE FIELD ADJUSTED DURING THE COMMISSIONING PERIOD TO MEET THE REQUIREMENTS OF ACTUAL FIELD CONDITIONS. THE CONTROLLER SHALL MODULATE CHILLED WATER PUMP SPEED TO MAINTAIN A CHILLED WATER DIFFERENTIAL PRESSURE OF 12 LBF/IN² (ADJ.). THE VFD MINIMUM SPEED SHALL NOT DROP BELOW THAT REQUIRED TO MAINTAIN MINIMUM CHILLER GPM.
- ALARMS SHALL BE PROVIDED AS FOLLOWS:
- HIGH CHILLED WATER DIFFERENTIAL PRESSURE: IF THE CHILLED WATER DIFFERENTIAL PRESSURE IS 25% (ADJ.) GREATER THAN SETPOINT.
 - LOW CHILLED WATER DIFFERENTIAL PRESSURE: IF THE CHILLED WATER DIFFERENTIAL PRESSURE IS 25% (ADJ.) LESS THAN SETPOINT.
- CHILLER:**
- THE CHILLER SHALL BE ENABLED A USER ADJUSTABLE TIME AFTER PUMP STATUSES ARE PROVEN ON. THE CHILLER SHALL THEREFORE HAVE A USER ADJUSTABLE DELAY ON START. THE DELAY TIME SHALL BE SET APPROPRIATELY TO ALLOW FOR ORDERLY CHILLED WATER SYSTEM START-UP, SHUTDOWN AND SEQUENCING. THE CHILLER SHALL RUN SUBJECT TO ITS OWN INTERNAL SAFETIES AND CONTROLS. ALARMS SHALL BE PROVIDED AS FOLLOWS:
- CHILLER FAILURE: COMMANDED ON, BUT THE STATUS IS OFF.
 - CHILLER RUNNING IN HAND: COMMANDED OFF, BUT THE STATUS IS ON.
 - CHILLER RUNTIME EXCEEDED: STATUS RUNTIME EXCEEDS A USER DEFINABLE LIMIT.
- CHILLED WATER SUPPLY TEMPERATURE SETPOINT:**
- THE CHILLED WATER SUPPLY TEMPERATURE SETPOINT SHALL RESET BASED ON OUTSIDE AIR TEMPERATURE.
- AS OUTSIDE AIR TEMPERATURE DROPS FROM 75° F (ADJ.) TO 50° F (ADJ.) THE CHILLED WATER SUPPLY TEMPERATURE SETPOINT SHALL RESET UPWARDS BY ADDING FROM 0° F (ADJ.) TO 10° F (ADJ.) TO THE CURRENT SETPOINT.
- CHILLED WATER TEMPERATURE MONITORING:**
- THE FOLLOWING TEMPERATURES SHALL BE MONITORED:
- CHILLED WATER SUPPLY.
 - CHILLED WATER RETURN.
- ALARMS SHALL BE PROVIDED AS FOLLOWS:
- HIGH CHILLED WATER SUPPLY TEMP: IF THE CHILLED WATER SUPPLY TEMPERATURE IS GREATER THAN 55° F (ADJ.).
 - LOW CHILLED WATER SUPPLY TEMP: IF THE CHILLED WATER SUPPLY TEMPERATURE IS LESS THAN 38° F (ADJ.).



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MECHANICAL DIAGRAMS & SCHEMATICS

COIT CREATIVE ARTS ACADEMY
617 COIT AVE., GRAND RAPIDS, MI 49503

PHASE

CONSTRUCTION DOCUMENTS

ISSUANCES

#	DESCRIPTION	DATE
0	CONSTRUCTION DOCUMENTS	23-AUG-2024
A03	ADDENDUM 3	23-SEP-2024

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M-701.2

Addendum #3



THE BAR BELOW SHOWS PRIMARY COLORS THE BAR BELOW SHOWS GRAYSCALE FROM WHITE TO BLACK WE RECYCLE



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MECHANICAL CONTROLS

COIT CREATIVE ARTS ACADEMY 617 COIT AVE., GRAND RAPIDS, MI 49503

VARIABLE AIR VOLUME (VAV) AIR TERMINAL UNIT (ATU) – W / REHEAT COIL

- A. GENERAL REQUIREMENTS FOR ALL ATUS: 1. ALL SETPOINTS, DEADBANDS, AND TIME DELAYS DESCRIBED IN SEQUENCES SHALL BE ADJUSTABLE BY SYSTEM OPERATORS... B. UNOCCUPIED MODE: 1. WHEN THE BAS OCCUPANCY SCHEDULE DETERMINES THAT THE BUILDING, ZONE, AND SPACE IS TO BE UNOCCUPIED... C. OCCUPIED MODE: 1. WHEN THE BAS OCCUPANCY SCHEDULE DETERMINES THAT THE BUILDING, ZONE, AND SPACE IS TO BE OCCUPIED... D. DEMAND CONTROL VENTILATION MODE (SPACES WITH CARBON DIOXIDE SENSOR): 1. DURING OCCUPIED MODE ONLY, ATU CONTROLLER SHALL MONITOR THE SPACE CO2 SENSOR...

[END OF SEQUENCE]

FAN-POWERED VARIABLE AIR VOLUME (FVAV) AIR TERMINAL UNIT (ATU) – W / REHEAT COIL

- A. GENERAL REQUIREMENTS FOR ALL ATUS: 1. ALL SETPOINTS, DEADBANDS, AND TIME DELAYS DESCRIBED IN SEQUENCES SHALL BE ADJUSTABLE BY SYSTEM OPERATORS... B. UNOCCUPIED MODE: 1. WHEN THE BAS OCCUPANCY SCHEDULE DETERMINES THAT THE BUILDING, ZONE, AND SPACE IS TO BE UNOCCUPIED... C. OCCUPIED MODE: 1. WHEN THE BAS OCCUPANCY SCHEDULE DETERMINES THAT THE BUILDING, ZONE, AND SPACE IS TO BE OCCUPIED... D. STANDBY MODE (SPACES WITH OCCUPANCY SENSOR): 1. WHEN THE BAS OCCUPANCY SCHEDULE DETERMINES THAT THE BUILDING, ZONE, AND SPACE IS TO BE OCCUPIED... E. DEMAND CONTROL VENTILATION MODE (SPACES WITH CARBON DIOXIDE SENSOR): 1. DURING OCCUPIED MODE ONLY, ATU CONTROLLER SHALL MONITOR THE SPACE CO2 SENSOR...

[END OF SEQUENCE]

MULTI-ZONE VARIABLE AIR VOLUME (MZVAV) AIR HANDLING UNIT – W/ HHV & CHW COILS

- A. GENERAL REQUIREMENTS: 1. ALL SETPOINTS, DEADBANDS, AND TIME DELAYS DESCRIBED IN SEQUENCES SHALL BE ADJUSTABLE BY SYSTEM OPERATORS... B. UNOCCUPIED MODE: 1. WHEN THE BAS OCCUPANCY SCHEDULE DETERMINES THAT THE BUILDING AND ZONE IS TO BE UNOCCUPIED... C. OCCUPIED MODE: 1. WHEN THE BAS OCCUPANCY SCHEDULE DETERMINES THAT THE BUILDING AND ZONE IS TO BE OCCUPIED... D. DISCHARGE AIR TEMPERATURE (DAT) CONTROL: 1. THE COOLING COIL VALVE, HEATING COIL VALVE, AND MIXED AIR DAMPERS SHALL MODULATE TO MAINTAIN THE ACTIVE DAT SETPOINT... E. DEMAND CONTROL VENTILATION (DCV) MODE: 1. WHEN THE AHU CONTROLLER RECEIVES A CRITICAL ZONE CO2 NOTIFICATION FROM ANY ASSOCIATED ATU... F. PRE- AND POST-OCCUPANCY VENTILATION FLUSH: 1. 1 HOUR PRIOR TO SCHEDULED OCCUPANCY... G. RELIEF AIR CONTROL: 1. ONLY WHEN THE AHU IS IN EITHER ECONOMIZER OR DEMAND CONTROL VENTILATION MODE... H. ALARMS & SAFETIES: 1. HEATING COIL RECIRCULATION PUMP – THE HEATING COIL PUMP SHALL RUN CONTINUOUSLY WHEREVER THE OUTDOOR AIR TEMPERATURE IS BELOW 38° F...

[END OF SEQUENCE]

SINGLE-ZONE VARIABLE AIR VOLUME (SZVAV) AIR HANDLING UNIT – W/ HHV & CHW COILS

- A. GENERAL REQUIREMENTS: 1. ALL SETPOINTS, DEADBANDS, AND TIME DELAYS DESCRIBED IN SEQUENCES SHALL BE ADJUSTABLE BY SYSTEM OPERATORS... B. UNOCCUPIED MODE: 1. WHEN THE BAS OCCUPANCY SCHEDULE DETERMINES THAT THE BUILDING, ZONE, AND SPACE IS TO BE UNOCCUPIED... C. OCCUPIED MODE: 1. WHEN THE BAS OCCUPANCY SCHEDULE DETERMINES THAT THE BUILDING, ZONE, AND SPACE IS TO BE OCCUPIED... D. ECONOMIZER MODE (FREE COOLING): 1. WHEN IN COOLING MODE AND THE RETURN AIR ENTHALPY IS HIGHER THAN THE OUTDOOR AIR ENTHALPY... E. DEMAND CONTROL VENTILATION MODE: 1. DURING OCCUPIED MODE ONLY, THE AHU CONTROLLER SHALL MONITOR THE RETURN AIR CO2 SENSOR... F. ALARMS & SAFETIES: 1. HEAT COIL RECIRCULATION PUMP – THE HEAT COIL PUMP SHALL RUN CONTINUOUSLY WHEREVER THE OUTDOOR AIR TEMPERATURE IS BELOW 38° F...

[END OF SEQUENCE]

PHASE

CONSTRUCTION DOCUMENTS

ISSUANCES

DESCRIPTION DATE

03 CONSTRUCTION DOCUMENTS 23-AUG-2024 A03 ADDENDUM 3 23-SEP-2024

PROJ. #: 230458

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M-801.2

Addendum #3