

ADDENDUM NO. 1

Southmont High School Boiler and Air Handler Replacement

Southmont Schools
Crawfordsville, Indiana

Project No. 225080.00

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Addendum No. 1, 4 items, 2 pages
Revised Drawing Sheets: M-401, M-402, M-502, M-601, M-702, M-703, E-401, and E-402
Pre-Bid Meeting Agenda
Pre-Bid Sign-in Sheet

March 30, 2026

I hereby certify that this Addendum was prepared by me or under my direct supervision and that I am a duly registered Architect/Engineer under the Laws of the State of Indiana.

FANNING/HOWEY ASSOCIATES, INC.
ARCHITECTS/ENGINEERS/CONSULTANTS



Paul A. Miller, License No. AR10800161
Expiration Date: 12/31/2027

TO: ALL BIDDERS OF RECORD

ADDENDUM NO. 1 to Drawings and Project Manual, dated February 27, 2026, for Southmont Schools, 6401 US 231 S., Crawfordsville, Indiana 47933; as prepared by Fanning/Howey Associates, Inc., Indianapolis, Indiana. This Addendum shall hereby be and become a part of the Contract Documents the same as if originally bound thereto.

The following clarifications, amendments, additions, revisions, changes, and modifications change the original Contract Documents only in the amount and to the extent hereinafter specified in this Addendum.

Each bidder shall acknowledge receipt of this Addendum in his proposal or bid.

NOTE: Bidders are responsible for becoming familiar with every item of this Addendum. (This includes miscellaneous items at the very end of this Addendum.)

RE: ALL BIDDERS

ITEM NO. 1. PROJECT MANUAL, SECTION 23 09 00 – HVAC DIRECT DIGITAL CONTROLS

A. Modify 1.2, A., to as follows:

A. This specification is based on modifications as required to the existing temperature control system.

A. Add 1.2, A., 1., as follows:

1) The existing building consists of three different control systems from three separate manufacturers (Trane, Siemens and Johnson Controls). The contractor shall verify seamless integration and full control capability upon project completion.

ITEM NO. 2. ACCEPTABLE MANUFACTURERS

The following manufacturers are to be considered acceptable manufacturers (suppliers and fabricators) for the Sections of the Specifications listed. Listed manufacturers are required to bid on products equal in type and design, size, function, and quality to that originally specified. Final decision as to equality of products specified versus those proposed shall be made by the Architect.

Section 23 52 16 - Condensing boilers
- Fulton

Section 23 73 13 - Modular indoor central station air handling units
- Air Enterprise

Section 23 09 00 - hvac direct digital controls
- Johnson Controls – Factory Branch
- Siemens – Factory Branch

ITEM NO. 3. DRAWING SHEET NOS. MD101 & MD102

- A. Mechanical demolition plan general note D: Replace "CONSTRUCTION MANAGER" WITH "ARCHITECT/OWNER"

- B. Add Mechanical demolition plan general note H:

"Existing Boiler temperature control panel and controller may remain if still under warranty but warranty must be extended 2 years on existing controller."

ITEM NO. 4. REVISED DRAWING SHEETS:

- A. Drawing Sheets: M-401, M-402, M-502, M-601, M-702, M-703, E-401, and E-402 have been revised, dated 3/30/26, and are included with and hereby made a part of this Addendum. These Drawings supersede the original documents.

END OF ADDENDUM

PREBID CONFERENCE AGENDA

Southmont Schools
Crawfordsville, IN

Date: March 26, 2026

Re: Southmont High School – Boiler and Air Handler Replacement
Project Number: 225080.00

Present: Please Sign-In

1. Advertisement to Bidders: Per the information contained in the Advertisement to Bidders in the Project Manual, bids will be received until 2:00 p.m. on Tuesday, **April 7, 2026**, at the Southmont Schools Central Office, 64011 US 231 S, Crawfordsville, Indiana, 47933. Bids received after this time will not be accepted. Bids will be opened and publicly read aloud immediately after the specified closing time. Bids may be held for 60 days.
2. Obtaining Bid Documents: Bid Documents are available as indicated in the Advertisement to Bidders at Eastern Engineering's website (distribution.easternengineering.com).
3. Instructions to Bidders: Per the information contained in the Project Manual, bids shall be executed on the Bid Proposal Form provided. Other information to be included with the bid form is outlined in the Instructions to Bidders. Each bidder is required to bid every item called for on the bid form, including alternates, if applicable, and allowances.
 - a. Base Bid:
Single Lump Sum Bid.
 - b. Alternates:
None:
 - c. Allowances (Contingency):
Amounts to be included in Contract Sum
Allowance No. 1 \$25,000
4. Bonds: See the Instructions to Bidders and the Advertisement to Bidders for the requirements of bid securities and bonds required. Performance and Payment Bonds are for 100% of the bid.
5. Request for Approval of Product Substitution: Written request for approval must be received by A/E at least ten days prior to the date for receipt of Bids. Substitution request form included in the Project Manual (00 26 00.01).
6. Available Project Information:
 - a. Existing Construction Documents from original construction.

- i. 1967 original construction and 2004 Addition
 - b. School Year Calendars for 2025-26 and 2026-27.
 - c. Revit File or CAD Files.
- 7. Identification of Submission of Bid Proposal: Per the Instructions to Bidders, the Bid Proposal shall be submitted in an envelope identified with the name of the project, name of the bidder, base bid package, and the date and closing time of bids. Photocopies of the bid form are acceptable.
 - a. Review “Bidder Reminder List” to be completed & included in Bid Package (00 41 16 - 6)
- 8. General Conditions of the Contract for Construction: Refer to Document 00 72 00 in the Project Manual
 - a. General Conditions of the Contract for Construction (AIA A201-2017)
- 9. Certificate of Insurance: Refer to Exhibit A to the Contract 00 52 01.
- 10. Criminal History Information: Refer to Document 00 73 60 in Project Manual.
 - a. Southmont’s Background Check Requirements.
- 11. Time of Commencement and Completion of Project: A Notice to Proceed will be issued after reviewing bids with the Southmont Leadership for the start of Shop Drawings. The School Board will be asked to award a Contract at an upcoming School Board Meeting. A Notice to Proceed for the entire project will be issued upon board approval and a Preconstruction Conference will be scheduled. The final completion of Work scheduled as follows:

Interior Improvements:	
Construction Work can begin:	May 25, 2026
Final Completion:	November 20, 2026
- 12. Permits, Fees, and Notices: The “Certificate of Plan Approval” from the Department of Homeland Security will not be required for this project. All other permits, fees, and notices and cost are the responsibility of the Contractor as indicated in the Summary.
- 13. Temporary Facilities and Controls: Information on temporary facilities and controls are listed in Section 01 50 00 of the Project Manual.
 - a. Temporary water and power, the Owner to make available.
 - b. Temporary toilets by Contractor.

Prebid Agenda
Southmont HS – Boiler and Air Handler Replacement
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14. Addenda:
 - a. Addendum No. 1 – anticipated to be issued Monday, March 30.
Addendum No. 2 – do not anticipate a second addendum.

15. Progress Cleaning: Refer to Project Manual (01 74 13) for responsibility of the Contractor.

16. Questions and Clarifications: Per the instructions in the Project Manual, questions should be emailed to the appropriate contact person at Fanning Howey and followed up with a telephone call. Contacts and telephone numbers are listed in the Instruction to Bidders. Questions requiring clarifications or revisions will be addressed in an addendum. Any questions can be directed in writing to Mike Schipp at mschipp@fhai.com, phone number (317) 407-7229.

17. Site Access: Any access to be the sites shall be coordinated with Owner's Representative:
Michael Nehring, Chief Operations Officer
michael.nehring@southmont.k12.in.us
(765) 866-0203 ext, 807
Note: School Hours: 8:00 am to 3:00 pm daily.

18. Current Events:
 - a. Bidding Environment?
 - b. Procurement of Materials?
 - c. Bid Date/Completion Date(s)?
 - d. Interest from Subcontractors?

19. Review of Project Scope:
 - a. Work by others at site
 - 1) Life Skills Classroom
 - 2) Tennis Courts Rework
 - 3) Site work – Band Tower and Outdoor Classroom
 - b. Tour

20. Discussion Items and Questions:
 - a. Assembly units in field
 - b. Access challenges

Michael K. Schipp, AIA, CDT LEED AP BD+C
Project Manager / Principal

Boiler and Air Handler Replacements

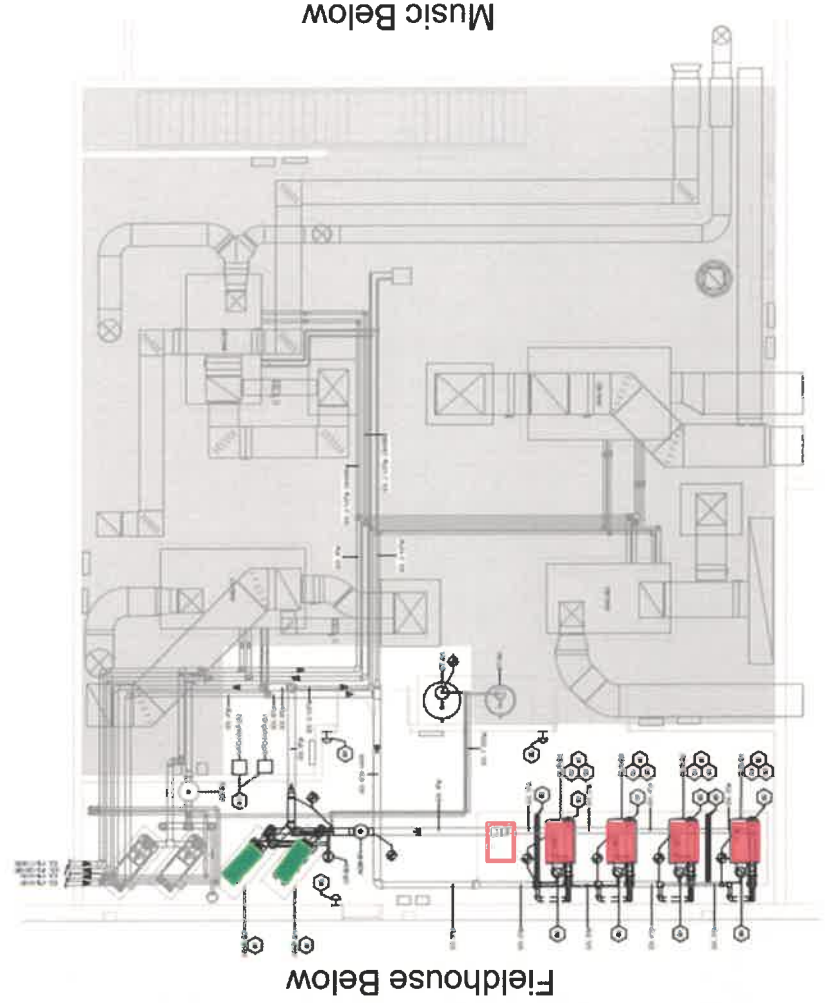
Mechanical Mezzanine - 2004



2004 Pumps ■



2004 Boilers ■



Project Name: Southmont High School:
Boiler & Air Handler Replacement
 Project No. 225080.00
 Meeting Date March 26, 2026

ATTENDANCE SIGN-IN SHEET
 Please print clearly. Your name and title will be recorded in the meeting report.

PRESENT	NAME	TITLE	COMPANY	PHONE	E-MAIL
X	Tim Dome	PM	CAI		tim@commercialair.com
X	Chris Gatewood	PM	CAI	765-489-8181	chris@commercialair.com
	Steve Richard	Proj Mgr	Brand Electric Inc	765-296-3437	srichard@brandelectric.com
	Tom Hall	PM	Irish Mech.	317-306-1357	thom11@IrishMechanicalServices.com
	Scott Pickersill	P.M.	BAS Plumbing	812-240-0066	scott@basplumbing.com
	Josh Kaufman	PM	Frontline Electrical	812-581-0359	J.Kaufman@Frontline-ILC.com

PRESENT	NAME	TITLE	COMPANY	PHONE	E-MAIL
	Matthew Peach	Estimator	ATES	765 225 8619	M.Peach@ates-electric.com
	Aaron Johnson	PM	Harrell-Fish	317-490-8391	ajohnson@harrell-fish.com
	Chad Snyder	AM	Harrell-Fish	812-341-2216	csnyder@harrell-fish.com
	Jerran Leakes	Control Sale Rep	Johnson Control	(317) 416-6260	Jerran.Leakes@jci.com

MECHANICAL DEMOLITION PLAN NOTES

NO.	DESCRIPTION	NO.	DESCRIPTION	NO.	DESCRIPTION
M1	INSTALL NEW PUMPS ON EXISTING CONCRETE PADS. INSTALL PUMPS PER DETAIL. MODIFY EXISTING PIPING IN AREA AS REQUIRED FOR INSTALLATION OF NEW PUMPS. NEW PUMPS SHALL BE CONTROLLED BY THE EXISTING BUILDING AUTOMATION SYSTEM PER THE EXISTING SEQUENCE OF OPERATIONS.	M6	EMERGENCY BOILER SHUT-DOWN SWITCH PROVIDED AND INSTALLED BY TEMPERATURE CONTROL CONTRACTOR AT EACH EXIT OF THE ROOM.	M13	OUTSIDE AIR CONTROL DAMPERS FACTORY MOUNTED IN AIR HANDLING UNIT. DAMPER OPERATORS PROVIDED AND INSTALLED BY TEMPERATURE CONTROL CONTRACTOR.
M2	PROVIDE AND INSTALL BOILER, PIPING CONNECTIONS, VENT/COMBUSTION AIR DUCTWORK PER MANUFACTURERS REQUIREMENTS AND SPECIFICATIONS. ENSURE ALL EQUIPMENT CLEARANCES ARE ACHIEVED DURING INSTALLATION.	M7	PROVIDE AND INSTALL PRESSURE RELIEF VALVE. REFER TO BOILER MANUFACTURER FOR RECOMMENDED LOCATION. PIPE FULL SIZE TO FLOOR DRAIN. SUPPORT PIPING INDEPENDENTLY OF VALVE TO PREVENT STRESS AND TO ALLOW PROPER OPERATION.	M14	RETURN AIR CONTROL DAMPERS FACTORY MOUNTED IN AIR HANDLING UNIT. DAMPER OPERATORS PROVIDED AND INSTALLED BY TEMPERATURE CONTROL CONTRACTOR.
M3	PROVIDE AND INSTALL 8" COMBUSTION AIR INLET PER MANUFACTURER REQUIREMENTS. TERMINATE THROUGH THE ROOF WITH GOODSECK. INTAKE SIZE AND INSTALLATION PER MANUFACTURERS REQUIREMENTS. COORDINATE ALL ROOF WORK WITH OWNER AND ROOFING PROVIDER TO MAINTAIN EXISTING ROOFING WARRANTY.	M8	PROVIDE AND INSTALL MANUAL SHUTOFF VALVE AND GAS PRESSURE REGULATOR PER MANUFACTURERS REQUIREMENTS. VENT GAS PRESSURE REGULATOR TO ROOF AND TERMINATE WITH WEATHERROOF VENT CAP. GAS PRESSURE REGULATOR VENT SHALL BE INSTALLED AWAY FROM BOILER INTAKE. MAINTAIN EXISTING INLET PRESSURE. 7" W.C. OUTLET PRESSURE. AND SIZE THE REGULATOR FOR 2000 MBH CAPACITY.	M15	CONTRACTOR SHALL MOUNT CONTROL PANEL ON A UNISTRUT STYLE RACK IN THIS GENERAL LOCATION. FIELD VERIFY FINAL LOCATION WITH OWNER.
M4	PROVIDE AND INSTALL 6" EXHAUST VENT WITH A MINIMUM 1/4 INCH PER FOOT PITCH UPWARDS PER MANUFACTURERS REQUIREMENTS. EXHAUST VENT MUST BE 3 FEET ABOVE THE COMBUSTION AIR INLET, AND 2 FEET ABOVE ANY HIGHER PORTION OF THE BUILDING WITHIN 10 FEET. TERMINATE THE VENT WITH AN EXIT CONE, SUPPORT COLLAR, ROOF FLASHING, AND STORM COLLAR. COORDINATE ALL ROOF WORK WITH OWNER AND ROOFING PROVIDER TO MAINTAIN EXISTING ROOFING WARRANTY.	M9	TRANSITION DUCTWORK AS REQUIRED TO MAKE FINAL CONNECTION TO AIR HANDLING UNIT.	M16	CONTRACTOR SHALL MOUNT VARIABLE FREQUENCY CONTROLLER ON A UNISTRUT STYLE RACK IN THIS GENERAL LOCATION. FIELD VERIFY FINAL LOCATION WITH OWNER.
M5	CONDENSATE DRAIN WITH TRAP PIPED FROM BOILER TO FLOOR DRAIN FULL SIZE PER MANUFACTURERS REQUIREMENTS. EACH BOILER TO BE PROVIDED WITH INDEPENDENT ACID NEUTRALIZATION BASIN. REFER TO DETAIL. MODIFY ROUTING AS REQUIRED TO REACH EXISTING FLOOR DRAINS IN AREA.	M10	MECHANICAL CONTRACTOR SHALL ROUTE CONDENSATE PIPING TO NEAREST DRAIN. FOLLOW EXISTING CONDENSATE PIPING PRIOR TO DEMOLITION. END OF PIPE TO BE CUT AT 45 DEGREE ANGLE.	M17	TEMPERATURE CONTROL CONTRACTOR SHALL PROVIDE INTERCONNECTING WIRING BETWEEN VARIABLE FREQUENCY CONTROLLER(S) AND EQUIPMENT. TRANSITION DUCTWORK AS REQUIRED TO MAKE FINAL CONNECTION TO EXISTING ROOF VENTILATOR DUCTWORK IN AREA. MODIFY ROUTING AS REQUIRED TO ACCOMMODATE EXISTING FIELD CONDITIONS.
		M11	EXISTING DUCT SILENCER TO BE CLEANED TO LIKE NEW CONDITION.	M18	TRANSITION DUCTWORK AS REQUIRED TO MAKE FINAL CONNECTION TO EXISTING DUCTWORK IN AREA WITHOUT OBSTRUCTING EXISTING ELECTRIC DUCT HEATER. MODIFY ROUTING AS REQUIRED TO ACCOMMODATE EXISTING FIELD CONDITIONS.
		M12	EXISTING CHASE TO CLEANED TO LIKE NEW CONDITION.	M19	

MECHANICAL ROOM PLAN GENERAL NOTES

- A. REFER TO THE SPECIFICATIONS FOR REQUIREMENTS RELATED TO EQUIPMENT QUALITY, CONSTRUCTION AND FINISH OF MATERIALS.
- B. ARRANGE DUCTWORK, PIPING, ETC. TO ALLOW FOR EASY ACCESS TO COILS, VALVES, DAMPERS AND CONTROLS. KEEP AREAS ADJACENT TO ACCESS PANELS FREE AND CLEAR OF ANY OBSTRUCTIONS.
- C. MECHANICAL CONTRACTOR IS RESPONSIBLE FOR HIS RESPECTIVE WORK FOR REPAIRING AND PATCHING TO MATCH EXISTING SURFACES, SIDEWALKS, STREETS, FLOORS, WALLS, ROOFS, CEILING AND PAVEMENT. ALL RECTANGULAR SHEET METAL DUCT SIZES SHOWN ARE INSIDE FREE AREA DIMENSIONS. ALL ROUND DUCT SIZES SHOWN ARE INSIDE DIAMETERS.
- D. PROVIDE BALANCING DAMPERS AT EACH DUCT BRANCH. SERVING DIFFUSER, GRILLE AND REGISTER.
- E. INSTALL WALL THERMOSTATS, TEMPERATURE SENSORS, HUMIDISTATS, ETC. 4" ABOVE THE FINISH FLOOR IN ACCORDANCE WITH ADA REQUIREMENTS.
- F. COORDINATE ALL REQUIRED WALL, ROOF AND FLOOR OPENINGS (BOTH DIMENSIONS AND LOCATIONS) WITH ALL OTHER TRADES.
- G. COORDINATE MECHANICAL SYSTEM INSTALLATION WITH STRUCTURE, FIRE PROTECTION AND LIGHTING LAYOUT. PROVIDE ALL NECESSARY TRANSITIONS TO EQUIPMENT FROM SIZES SHOWN ON PLAN.
- H. HYDRONIC SUPPLY AND RETURN PIPING SHALL BE THE SAME SIZE UNLESS OTHERWISE NOTED.

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Southmont High School Boiler and Air Handler Replacement

6425 U.S. 231 South, Crawfordsville, Indiana 47933

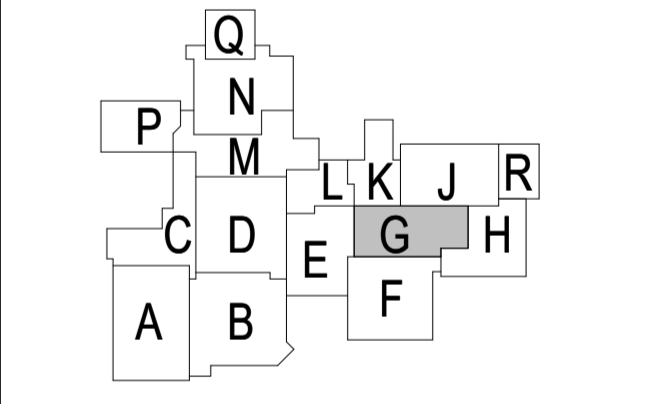
South Montgomery Community School Corporation



ARCHITECT



(317) 848-0966 WWW.FHAI.COM
350 E. NEW YORK ST # 300, INDIANAPOLIS, IN 46204



KEY PLAN

BID DOCUMENTS



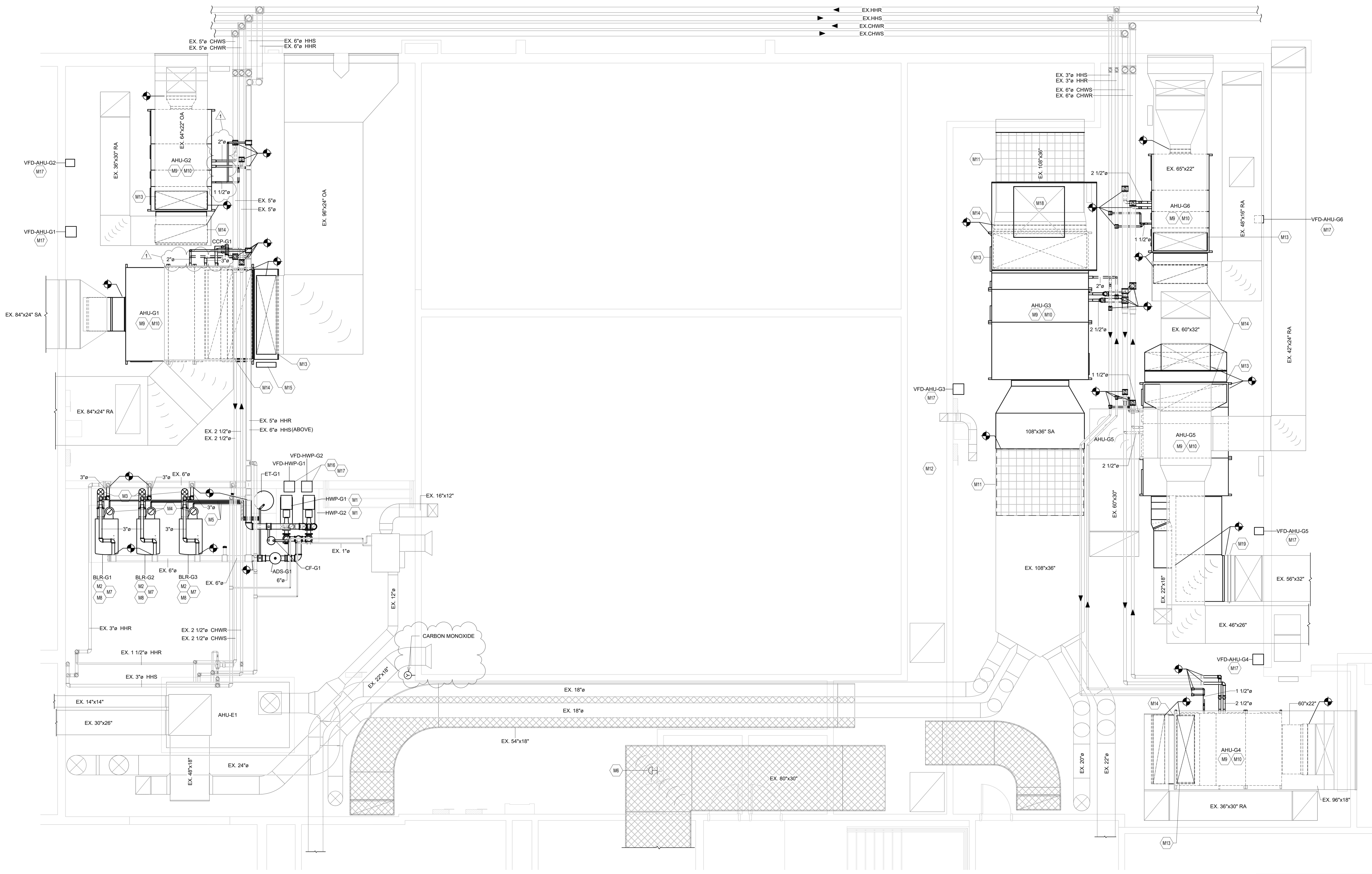
PROJECT MANAGER: MS
DRAWN BY: DJA
PROJECT NUMBER: 225080.00
PROJECT ISSUE DATE: 02.27.2026

REV. NO.	DESCRIPTION	DATE
1	ADDENDUM #1	03.30.2026

MEZZANINE MECHANICAL ROOM - UNIT G

M-402

VERIFICATION NOTE
CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CLEARANCES AND ALL EXISTING FIELD CONDITIONS BEFORE STARTING CONSTRUCTION. COMMENCEMENT OF WORK CONSTITUTES ACCEPTANCE OF CONDITIONS.
SHOULD DIFFERENT CONDITIONS BE ENCOUNTERED, CONTACT THE ARCHITECT BEFORE PROCEEDING WITH WORK.



UNIT G - MEZZANINE MECHANICAL ROOM

SCALE: 1/4" = 1'-0"

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23.73.13 - AIR HANDLING UNIT SCHEDULE

IDENTITY				SUPPLY FAN				MOTOR				ELECTRICAL				COOLING				CHILLED WATER COIL				HEATING				HOT WATER COIL				UNIT SIZE (IN)				OPER. WT (LB)	NOTES						
MARK	MFG	MODEL	PRODUCT	NOMINAL (CFM)	MIN OSA (CFM)	ESP (IN-WG)	FAN RPM	DRIVE	BHP	HP	VFD	VOLT.	PH	TOT. CAP. (BTU/H)	SENS. CAP. (BTU/H)	EAT DB (°F)	EAT WB (°F)	LAT DB (°F)	LAT WB (°F)	ROWS	FPI	APD (IN-WG)	FACE VEL. (FPM)	EWT (°F)	LWT (°F)	WPD (FT-WG)	FLOW (GPM)	CAP. (BTU/H)	EAT DB (°F)	LAT DB (°F)	ROWS	FPI	APD (IN-WG)	FACE VEL. (FPM)	EWT (°F)			LWT (°F)	WPD (FT-WG)	FLOW (GPM)	L	W	H
AHU-G1	DAIKIN APPLIED	CAH02GDGM	VISION	15000	4950	2.25	1750	Direct	19.6	20	Yes	460 V	3	755,435	488,208	80	67	50	50	12	8	2.14	509	44	54	11.40	147.0	604,273	50	87	2	10	0.34	525	180	138	1.50	28.9	156	144	54	4863	1,2,3,4,5,6,8,9,10,11,12
AHU-G2	DAIKIN APPLIED	CAH014GDGM	VISION	6800	1360	2.25	1750	Direct	6.7	7.5	Yes	460 V	3	205,573	158,993	78	65	56	55	6	7	0.54	486	44	54	4.60	41.0	197,082	59	85	1	8	0.15	512	180	140	1.80	9.9	124	74	42	1655	1,2,3,4,5,6,7,9,10,11,12,13
AHU-G3	DAIKIN APPLIED	CAH057GDGM	VISION	27400	6850	3.75	1160	Direct	37.3	50	Yes	460 V	3	1,147,447	809,756	78	65	51	51	8	12	1.14	522	44	56	7.50	189.1	906,302	55	85	2	8	0.31	537	180	139	1.10	44.6	180	118	86	5532	1,2,3,4,5,6,7,9,10,11,12,13
AHU-G4	DAIKIN APPLIED	CAH021GDGM	VISION	10000	2500	2.25	3500	Direct	5.4	7.5	Yes	460 V	3	391,129	282,337	78	65	53	52	5	11	1.04	492	44	54	11.40	78.2	334,701	55	86	1	9	0.16	513	180	139	4.20	16.3	130	88	48	2360	1,2,3,4,5,6,7,9,10,11,12
AHU-G5	DAIKIN APPLIED	CAH024GDGM	VISION	11800	2950	2.25	1750	Direct	5.6	7.5	Yes	460 V	3	383,127	288,855	78	65	56	55	6	6	0.91	519	44	54	8.50	76.2	394,820	55	86	1	12	0.13	536	180	139	6.10	19.2	138	104	46	3510	1,2,3,4,5,6,7,9,10,11,12
AHU-G6	DAIKIN APPLIED	CAH016GDGM	VISION	7900	1975	2.25	3500	Direct	9.5	15	Yes	460 V	3	312,945	225,326	78	65	52	52	6	10	1.19	512	44	54	7.30	61.8	266,994	55	86	1	10	0.19	540	180	139	2.40	12.9	120	70	48	2429	1,2,3,4,5,6,7,9,10,11,12

NOTES:

- REFER TO PROJECT MANUAL SECTION 23.73.13 FOR ADDITIONAL REQUIREMENTS.
- REFER TO PLANS & SCHEMATIC SHEETS FOR UNIT LAYOUT DETAILS.
- PROVIDE FACTORY MOUNTED CONVENIENCE OUTLETS AND INTERNAL LIGHTS AT EACH ACCESS DOOR. PROVIDE CONVENIENCE OUTLET AND LIGHTS ON SEPARATE CIRCUIT.
- MAXIMUM COIL FACE VELOCITY SHALL BE 550 FPM.
- MAXIMUM PRE FILTER AND PRIMARY FILTER FACE VELOCITY SHALL BE 500 FPM.
- INCLUDE FACTORY MOUNTED RETURN AND OUTSIDE AIR DAMPERS.
- HEATING WATER COIL SHALL BE IN A PREHEAT POSITION.
- HEATING WATER COIL SHALL BE IN A REHEAT POSITION.

NOTES:

- FIELD MOUNTED VARIABLE FREQUENCY CONTROLLER (VFC) SHALL BE PROVIDED ON SUPPLY FAN. REFER TO ELECTRICAL DRAWINGS AND SPECIFICATIONS FOR VFC'S.
- AIR HANDLER SHALL BE MOUNTED ON 10" FORMED CHANNEL.
- SINGLE POINT ELECTRICAL CONNECTION TO UNITS.
- COORDINATE SHIPPING SPLITS WITH EXISTING FIELD CONDITIONS. UNITS SHALL BE BROKEN DOWN AND ASSEMBLED IN EACH ROOM IF THE SHIPPING SPLITS ARE TOO LARGE TO NAVIGATE THROUGHOUT THE BUILDING.
- PRIOR TO DISMANTLING EXISTING AHU AND SHOP DRAWING PHASE THE CONTRACTOR SHALL HIRE A BALANCING CONTRACTOR TO RECORD THE INLET AND OUTLET STATIC PRESSURE ON THE EXISTING AHU (UNIT PRESSURE DROP). COORDINATE FINDINGS WITH ENGINEER. MODIFY E.S.P. AS REQUIRED BASED ON FINDINGS.

23.29.23 - VARIABLE-FREQUENCY MOTOR CONTROLLER SCHEDULE

MARK	EQUIPMENT SERVING	MARK SERVING	MOTOR BHP	MOTOR HP	INTEGRAL BYPASS	ELECTRICAL VOLTS	PH	NOTES
VFD-AHU-G1	AHU	AHU-G1	19.6	20	Yes	480 V	3	1,2,3,4
VFD-AHU-G2	AHU	AHU-G2	6.7	7.5	Yes	480 V	3	1,2,3,4
VFD-AHU-G3	AHU	AHU-G3	37.3	50	Yes	480 V	3	1,2,3,4
VFD-AHU-G4	AHU	AHU-G4	5.4	7.5	Yes	480 V	3	1,2,3,4
VFD-AHU-G5	AHU	AHU-G5	5.6	7.5	Yes	480 V	3	1,2,3,4
VFD-AHU-G6	AHU	AHU-G6	9.5	15	Yes	480 V	3	1,2,3,4
VFD-HWP-B1	PUMPS	HWP-B1	21.2	25	Yes	480 V	3	1,2,3,4
VFD-HWP-B2	PUMPS	HWP-B2	21.2	25	Yes	480 V	3	1,2,3,4
VFD-HWP-G1	PUMPS	HWP-G1	12.5	15	Yes	480 V	3	1,2,3,4
VFD-HWP-G2	PUMPS	HWP-G2	12.5	15	Yes	480 V	3	1,2,3,4

NOTES:

- DRIVE PROVIDED AND INSTALLED BY THE DIVISION 23 - HVAC CONTRACTOR.
- DIVISION 26 - ELECTRICAL CONTRACTOR TO PROVIDE POWER WIRING TO VFC AND FROM VFC TO MOTOR(S).
- TEMPERATURE CONTROL CONTRACTOR SHALL PROVIDE ALL TEMPERATURE CONTROL WIRING.
- REFER TO SPECIFICATION SECTION 232923.

23.25.00 - HVAC MISC. EQUIPMENT SCHEDULE

MARK	MANUFACTURER	DESCRIPTION	NOTES
ADS-B1	BELL & GOSSETT	6" COALESCING AIR & DIRT SEPARATOR, 700 GPM.	3,4
ADS-G1	BELL & GOSSETT	6" COALESCING AIR & DIRT SEPARATOR, 650 GPM.	3,4
CF-B1	NEPTUNE	FLOOR MOUNTED 5 GALLON CHEMICAL SHOT FEEDER (FTF-SDB)	1,2
CF-G1	NEPTUNE	FLOOR MOUNTED 5 GALLON CHEMICAL SHOT FEEDER (FTF-SDB)	1,2

NOTES:

- REFER TO PROJECT MANUAL SECTION 232500.
- INCLUDE LEG SUPPORT.
- SUPPORT FROM STRUCTURE ABOVE.
- REFER TO SPECIFICATION SECTION 232113.

23.52.00 - HEATING BOILER SCHEDULE

IDENTITY DATA				HEATING WATER FLOW				HEATING CAPACITY				ELECTRICAL DATA							
MARK	MANUFACTURER	MODEL	WEIGHT (LBS)	TYPE	MIN (GPM)	MAX (GPM)	EWT (°F)	LWT (°F)	ΔT (°F)	WPD (RH20)	INPUT	OUTPUT	EFF. η	FLA	MCCP	VOLTS	PH	FREQ	NOTES
BLR-B1	AERCO	BMK 2000	1,760	Water Boiler	25	350	140	180	40	6.9	2,000	1,920	98	16	20	120 V	1	60	1,2,3,4,5,6,7
BLR-B2	AERCO	BMK 2000	1,760	Water Boiler	25	350	140	180	40	6.9	2,000	1,920	98	16	20	120 V	1	60	1,2,3,4,5,6,7
BLR-B3	AERCO	BMK 2000	1,760	Water Boiler	25	350	140	180	40	6.9	2,000	1,920	98	16	20	120 V	1	60	1,2,3,4,5,6,7
BLR-B4	AERCO	BMK 2000	1,760	Water Boiler	25	350	140	180	40	6.9	2,000	1,920	98	16	20	120 V	1	60	1,2,3,4,5,6,7
BLR-G1	AERCO	BMK 2000	1,760	Water Boiler	25	350	140	180	40	6.9	2,000	1,920	98	16	20	120 V	1	60	1,2,3,4,5,6,7
BLR-G2	AERCO	BMK 2000	1,760	Water Boiler	25	350	140	180	40	6.9	2,000	1,920	98	16	20	120 V	1	60	1,2,3,4,5,6,7
BLR-G3	AERCO	BMK 2000	1,760	Water Boiler	25	350	140	180	40	6.9	2,000	1,920	98	16	20	120 V	1	60	1,2,3,4,5,6,7

NOTES:

- HIGH-EFFICIENT CONDENSING HEATING WATER BOILER. PROPANE, FM COMPLIANT GAS TRAIN, LOW NOx BELOW 30 PPM ALL FIRING RATES.
- UNIT MANUFACTURER SHALL INCLUDE CONTROL VOLTAGE TRANSFORMER.
- ANY VARIATION DUE TO MANUFACTURER'S EQUIPMENT SHALL BE THE RESPONSIBILITY OF THE MECHANICAL CONTRACTOR.
- CONTROL PANEL PROVIDED BY UNIT MANUFACTURER.
- MOUNT ON EXISTING CONCRETE HOUSEKEEPING PAD. MODIFY PAD AS NECESSARY.

NOTES:

- REFER TO SPECIFICATION SECTION 235216.
- CONTRACTOR SHALL TEST AND RECORD HARDNESS OF DIVISION 23 HYDRONIC SYSTEMS FILL WATER PRIOR TO INITIATING FILLING PROCEDURE. DO NOT BEGIN OR CONTINUE FILLING PROCEDURE UNTIL MEASURED HARDNESS OF FILL WATER IS MAINTAINED LESS THAN BOILER MANUFACTURER'S RECOMMENDED VALUE. REFER TO BOILER MANUFACTURER'S INSTALLATION, OPERATIONAL, AND MAINTENANCE (IOM) MANUAL FOR THIS VALUE (NOTE: 1 GRAIN OF HARDNESS = 17.1 PPM HARDNESS).
- CONTRACTOR SHALL PROVIDE A TEMPORARY WATER SOFTENER OR TRUCK IN SOFTEN WATER IF THERE IS NO SOFTENER ON MAKEUP WATER SIDE.

23.21.23 - HYDRONIC PUMP SCHEDULE

IDENTITY DATA				PERFORMANCE DATA				ELECTRICAL DATA						
MARK	MANUFACTURER	MODEL	WEIGHT (LBS)	TYPE	FLOW RATE (GPM)	HEAD (RH20)	NPSH	BHP	MOTOR HP	PUMP η (%)	VOLTS	PH	FREQ	NOTES
HWP-B1	Bell & Gossett	3 AD - 256T-L	245	BASE MOUNTED END SUCTION PUMP	700	100	18	21.2	25	81.4	460 V	3	60	1,2,3,4,5
HWP-B2	Bell & Gossett	3 AD - 256T-L	245	BASE MOUNTED END SUCTION PUMP	700	100	18	21.2	25	81.4	460 V	3	60	1,2,3,4,5
HWP-G1	Bell & Gossett	3 BD - 254T-S	310	BASE MOUNTED END SUCTION PUMP	650	65	10	12.5	15	83.4	460 V	3	60	1,2,3,4,5
HWP-G2	Bell & Gossett	3 BD - 254T-S	310	BASE MOUNTED END SUCTION PUMP	650	65	10	12.5	15	83.4	460 V	3	60	1,2,3,4,5

NOTES:

- REFER TO PROJECT MANUAL SECTION 232123.
- MOUNT ON EXISTING CONCRETE HOUSEKEEPING PAD OR INERTIA BASE. MODIFY PAD AS NECESSARY.
- SINGLE POINT POWER CONNECTION: PUMP CONTROLLED BY VARIABLE FREQUENCY CONTROLLER. PUMP DISCONNECT AND WIRING BETWEEN PUMP AND VFC BY DIVISION 26.
- PUMPS WILL OPERATE LEAD/STANDBY (N+1).
- INCLUDE LEG SUPPORT.

23.21.23 - HYDRONIC COIL CIRCULATION PUMP SCHEDULE

IDENTITY DATA				PERFORMANCE DATA				ELECTRICAL DATA				
MARK	MANUFACTURER	MODEL	WEIGHT (LBS)	TYPE	FLOW RATE (GPM)	HEAD (RH20)	MOTOR HP	PUMP η (%)	VOLTS	PH	FREQ	NOTES
CCP-G1	BELL & GOSSETT	PL-100	15	INLINE CIRCULATOR	50	12	0.4	61.3	120 V	1	60	1,2,3,4,5

NOTES:

- REFER TO PROJECT MANUAL SECTION 232123.
- DISCONNECT BY DIVISION 26.
- PUMP TO BE SELECTED WITH 100% WATER.
- SEE COIL PIPING DIAGRAMS FOR INSTALLATION DETAIL.
- CONTROL OF PUMPS BY TEMPERATURE CONTROL CONTRACTOR. REFER TO SPECIFICATIONS.

23.21.13 - EXPANSION TANK SCHEDULE

IDENTITY DATA				SYSTEM TEMP. RANGE (F)		PRV FILL PRESSURE AT TANK (PSIG)		MAX. OPERATING PRESSURE (PSIG)		FLOOD ED WEIGHT (LBS)		NOTES
MARK	MANUFACTURER	MODEL	TYPE	MIN	MAX	RELIEF VALVE	AT EXP. TANK	RELIEF VALVE	AT EXP. TANK	WEIGHT (LBS)		
ET-B1	WESSELS COMPANY	NLA-1400	BLADDER	HEATING HOT WATER	50	200	15	60	55	3,774	1,2,3	
ET-G1	WESSELS COMPANY	NLA-900	BLADDER	HEATING HOT WATER	50	200	15	60	55	1,436	1,2,3	

NOTES:

- REFER TO SPECIFICATION 232113.
- EXPANSION TANKS SHALL BE SELECTED WITH 100% WATER.
- EXPANSION TANK TO BE FLOOR MOUNTED.

Southmont High School Boiler and Air Handler Replacement

6425 U.S. 231 South, Crawfordsville, Indiana 47933

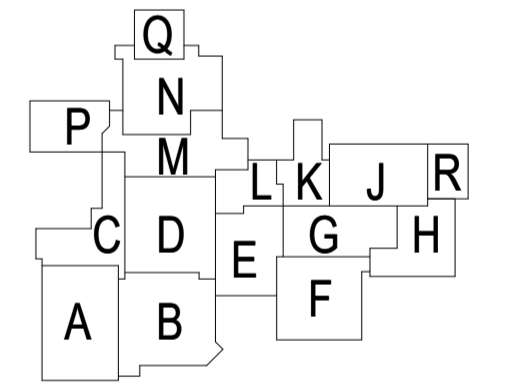
South Montgomery Community School Corporation



ARCHITECT



(317) 848-0966 WWW.FHAI.COM
350 E. NEW YORK ST # 300, INDIANAPOLIS, IN 46204



KEY PLAN

BID DOCUMENTS



PROJECT MANAGER: MS
DRAWN BY: DJA
PROJECT NUMBER: 225080.00
PROJECT ISSUE DATE: 02.27.2026

REV. NO.	DESCRIPTION	DATE
1	ADDENDUM #1	03.30.2026

MECHANICAL SCHEDULES

M-601

Southmont High School

6425 U.S. 231 South, Crawfordsville, Indiana 47933

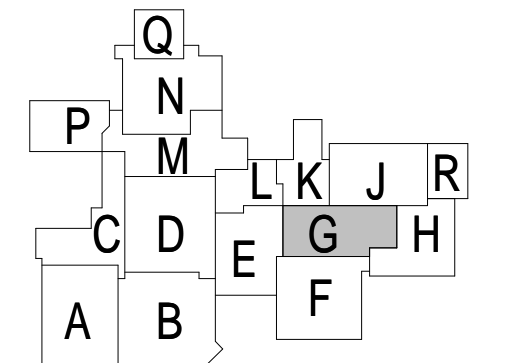
Southmont Schools



ARCHITECT

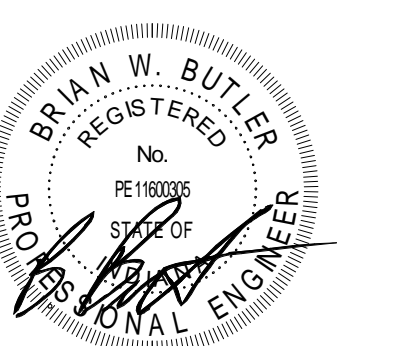


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KEY PLAN

BID DOCUMENTS



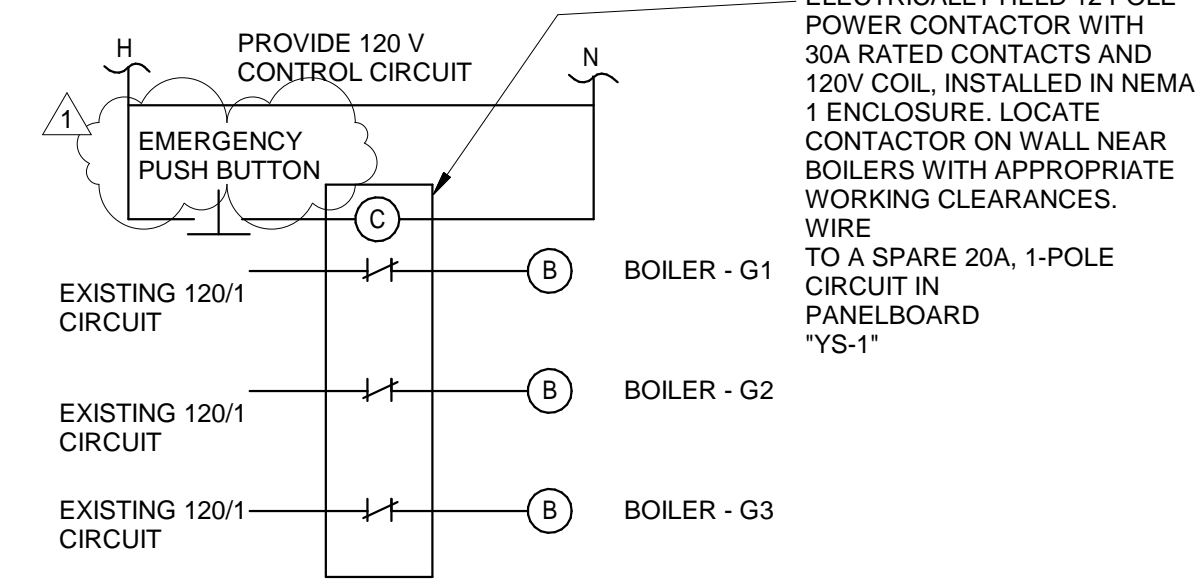
PROJECT MANAGER: MS
DRAWN BY: Author
PROJECT NUMBER: 225080.00
PROJECT ISSUE DATE: 02.27.2026

REV. NO.	DESCRIPTION	DATE
1	ADDENDUM NO. 1	03.30.2026

UNIT G - ELECTRICAL MEZZANINE PLAN

E-402

- SEE M703 FOR EMERGENCY SHUTOFF BUTTON REQUIREMENTS. EGSOV #2 CLOSSES GAS VALVE AND OPENS CONTACTS TO EACH BOILER AS SHOWN TO REMOVE POWER FROM EACH BOILER. UPON RESET OF SHUTOFF BUTTON, POWER IS RETURNED TO BOILERS ALONG WITH GAS FLOW.
- PROVIDE ALL MATERIALS AND CONNECTIONS AS REQUIRED FOR A COMPLETE SYSTEM MEETING THESE PARAMETERS AS WELL AS ANY OTHER ITEMS AS INDICATED ON MECHANICAL DOCUMENTS.



EMERGENCY SHUTOFF.

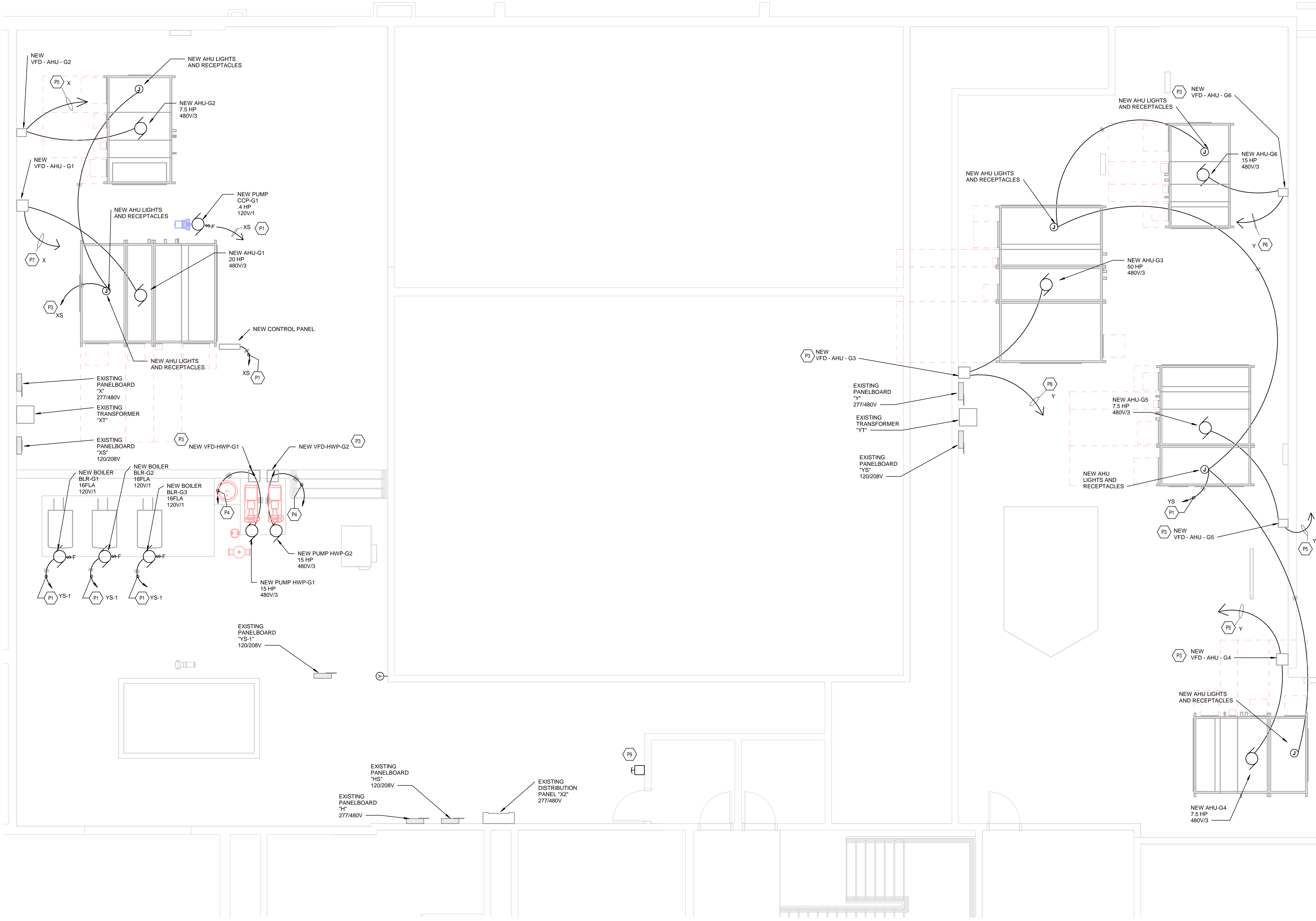
N.T.S.

POWER PLAN GENERAL NOTES

- PROVIDE REVISED TYPED PANELBOARD DIRECTORIES FOR EACH PANELBOARD ADDED OR MODIFIED DURING CONSTRUCTION. FIELD VERIFY EXISTING CIRCUIT INFORMATION WITH OWNER'S ASSISTANCE TO ENSURE FINAL DIRECTORY IS ACCURATE. UNUSED SPARE BREAKERS SHALL BE IN THE OFF POSITION.
- CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CLEARANCES AND ALL EXISTING FIELD CONDITIONS BEFORE STARTING CONSTRUCTION. COMMENCEMENT OF WORK CONSTITUTES ACCEPTANCE OF CONDITIONS. SHOULD DIFFERENT CONDITIONS BE ENCOUNTERED, CONTACT THE ARCHITECT BEFORE PROCEEDING WITH WORK.
- LABEL EACH RECEPTACLE WITH THE PANEL NAME AND CIRCUIT NUMBER ON THE FACE OF EACH COVER PLATE WITH A TYPED LAMINATED LABEL.
- PROVIDE "GFCI PROTECTED" LABEL ON COVER PLATE FOR ANY GFCI PROTECTED DEVICE.
- CONTRACTOR SHALL INCREASE CIRCUIT CONDUCTOR SIZE TO COMPENSATE FOR VOLTAGE DROP DUE TO EXCESSIVE CIRCUIT LENGTHS. IN NO CASE SHALL VOLTAGE DROP EXCEED NFPA 70 (I.E.C.) REQUIREMENTS.
- REFER TO MECHANICAL PLANS FOR LOCATION OF MECHANICAL EQUIPMENT. LOCATE DISCONNECT SWITCHES PER NEC.
- REFER TO "CONTROL SCHEMATICS" MECHANICAL DRAWINGS FOR ADDITIONAL CONTROL, WIRING AND CONTROL CONNECTIONS.
- ALL DEVICES, EQUIPMENT, FITTURES, AND THE LIKE, SHALL BE BONDED WITH A PROPERLY SIZED EQUIPMENT GROUNDING CONDUCTOR. MAINTAIN MECHANICAL/ELECTRICAL BONDS OF METALLIC RACEWAY SYSTEM.

SHEET KEYNOTES

- WIRE NEW BOILER TO A SPARE 20A, 1-POLE CIRCUIT BREAKER IN EXISTING DESIGNATED PANELBOARD.
- VFC BRANCHFEEDER CIRCUIT PROTECTION AND CONDUCTORS ARE SIZED FOR BID PURPOSE ONLY. ACTUAL REQUIREMENTS WILL BE BASED ON THE MANUFACTURER'S REQUIREMENTS AND IN COMPLIANCE WITH THE NATIONAL ELECTRIC CODE NFPA 70. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY REQUIREMENTS WITH THE SUBMITTED MANUFACTURER OF THE EQUIPMENT AND PROVIDE THE NECESSARY CIRCUIT PROTECTION AND CONDUCTOR SIZE. VFD IS PROVIDED BY THE DIVISION 23 CONTRACTOR.
- WIRE NEW PUMP TO A 30AMP, 3-POLE CIRCUIT BREAKER IN EXISTING PANELBOARD "Y". WIRE WITH 5#10, 3/4" C.
- WIRE NEW AHU TO A NEW 20 AMP, 3-POLE CIRCUIT BREAKER IN THE EXISTING DESIGNATED PANELBOARD. WIRE WITH 5#12, 3/4" C.
- WIRE NEW AHU TO A NEW 30 AMP, 3-POLE CIRCUIT BREAKER IN THE EXISTING DESIGNATED PANELBOARD. WIRE WITH 5#10, 3/4" C.
- WIRE NEW AHU TO A NEW 40 AMP, 3-POLE CIRCUIT BREAKER IN THE EXISTING DESIGNATED PANELBOARD. WIRE WITH 4#8, 1#10, 3/4" C.
- WIRE NEW AHU TO A NEW 90 AMP, 3-POLE CIRCUIT BREAKER IN THE EXISTING DESIGNATED PANELBOARD. WIRE WITH 4#3, 1#8, 1.5" C.
- PROVIDE CONNECTION BETWEEN EACH EGSOV #2 EMERGENCY PUSH BUTTON, CONTACTOR, AND BOILER AS SHOWN ON THE EMERGENCY SHUT OFF DETAIL ON THIS SHEET.



UNIT G - ELECTRICAL MEZZANINE PLAN

SCALE: 1/4" = 1'-0"

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