ADDENDUM NO. 04

July 30, 2026

High School Addition & Renovation
Jr. High Addition & Renovation
Intermediate School Controls Renovations
Primary School Controls Renovations
Softball Concessions
Ellettsville, IN 47429

TO: ALL BIDDERS OF RECORD

This Addendum forms a part of and modifies the Bidding Requirements, Contract Forms, Contract Conditions, the Specifications and the Drawings dated July 3, 2026, by Lancer Associates Architecture. Acknowledge receipt of the Addendum in the space provided on the Bid Form. Failure to do so may subject the Bidder to disqualification.

This Addendum consists of Pages ADD 4-1 through ADD 4-4 and attached Lancer Associates Architecture Addendum No. 4 dated July 30, 2026, consisting of ten (10) pages and 53 drawings.

A. SPECIFICATION SECTION 01 12 00 – MULTIPLE CONTRACT SUMMARY

1. Paragraph 3.03 Bid Categories

   A. Bid Category #1 – General Trades

      Add the following Clarification

      9. At Softball Concessions all wood construction, including but not limited to trusses, sheathing, framing and blocking, is by this Bid Category 1.

10. All blocking not specifically indicated as by a different Bid Category, including but not limited to wood blocking at windows, is by this Bid Category #1.

C. Bid Category #3 – Masonry

Add the following Clarification

6. High School Drawing Sheet A141R – Roof Plan. See section cut 2/A142. Include in Bid package #3 bid:
   a. Shoring and removal of existing limestone.
   b. Provision and installation of new concrete masonry veneer.
   c. Provision and installation of new flexible adhered flashing in wall cavity.
   d. Any other materials or activities required for a complete functioning system.
   e. Installation of new metal flashing to be provided by Bid Category #5 roofing.
   f. Coordinate with Bid Category #5 Roofing Contractor. Total reroof (roof removal to deck) work is to be completed during summer 2027.

7. All 07 27 26 Air-Water Resistive Barrier at all CMU walls is by this Bid Category #3.

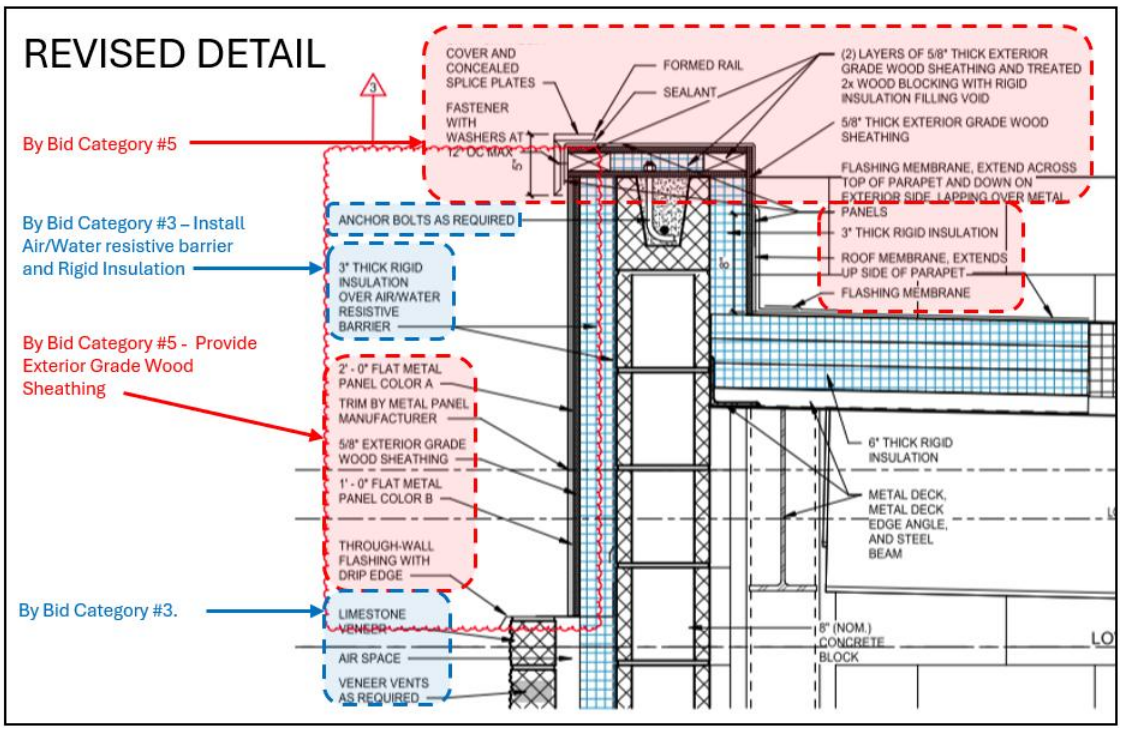
E. Bid Category #5 – Roofing

Add the following Clarifications

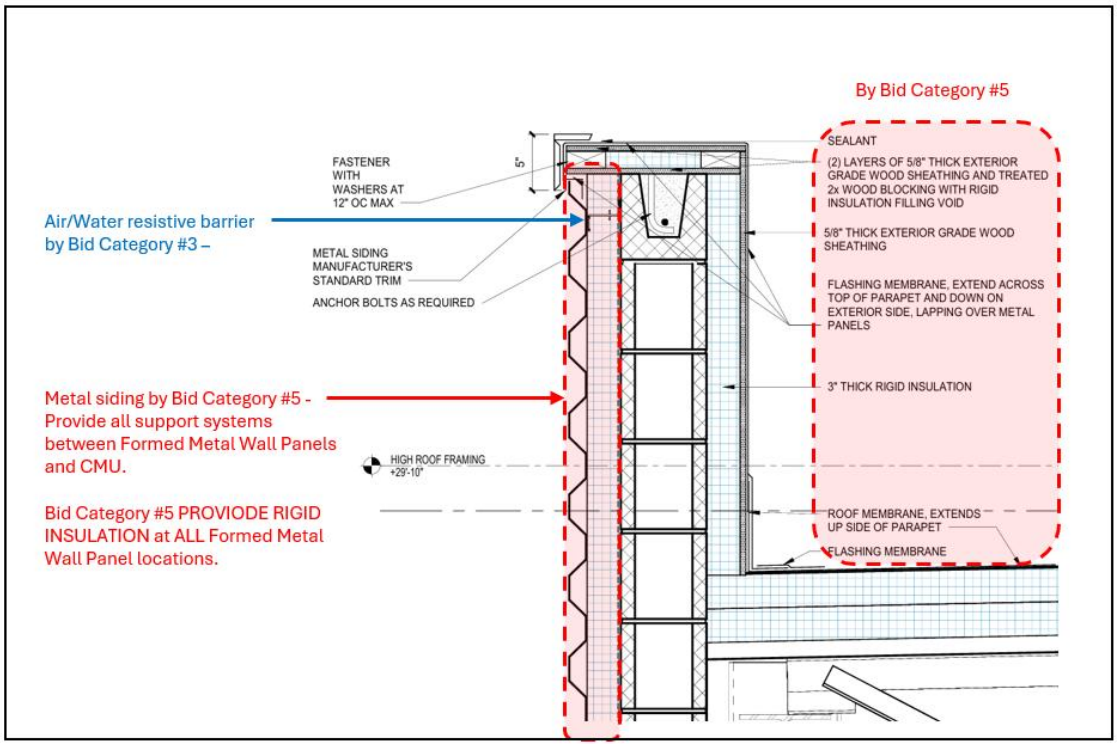
9. High School Drawing Sheet A141R – Roof Plan. See section cut 2/A142. Include in Bid package #5 bid provision of all metal flashing and counter flashing to Bid Category #5 Masonry.

10. See Bid Category #7 for exterior framing.

11. At Flat Metal Wall Panel System provide and install Exterior wood sheathing.



12. At Formed Metal Wall Panels provide and install all support systems between metal panels and masonry backup wall, see 07 42 14/2.3/A. Install Rigid Insulation at all Formed Metal Panel locations



13. At Formed Metal Wall Panels provide manufacturer's recommended structure but not less than:

    Metallic Z-Girts:
    a. Material: Structural Grade steel conforming to ASTM A653, minimum yield strength of 50 ksi.
    b. Protective Coating: Hot-Dip galvanized G90 zinc coating.
    c. Thickness: Minimum 54 mils/ 16-guage (0.0566-inch design thickness).
    d. Web Depth: As indicated on the Drawings.
    e. Flanges: Minimum 1- ½ inch wide attachment flange with "toed-in" stiffening lips for added rigidity

G. Bid Category #7 – Metal Studs, Drywall and Ceilings.

Add the following Clarification

4. Clarification to Addendum #3.
    a. High School detail 12/A312: Provide and install metal studs and gyp. bd. sheathing.
    b. Jr. High School details 1 and 6/A311, and 1/A312: Provide and install metal studs and gyp. bd. sheathing.
    c. Provide and install metal studs and gyp. bd. sheathing. at any similar details.

J. Bid Category #10 – Casework

Add the following Clarifications

2. All salvage and reinstallation of existing casework is by this Bid Category #10 including but not limited to room 102.

ADDENDUM NO. FOUR

PROJECT: **Richland-Bean Blossom CSC Additions and Renovations**

PROJECT NUMBER: **26102**

DATE OF ADDENDUM: **07-30-2026**

THIS ADDENDUM FORMS A PART OF THE CONTRACT DOCUMENTS AND IS ISSUED IN ACCORDANCE WITH THE INSTRUCTIONS TO BIDDERS. ACKNOWLEDGE RECEIPT OF THIS ADDENDUM BY SIGNING THE ADDENDUM ACKNOWLEDGMENT SECTION OF THE BID FORM.

GENERAL NOTIFICATIONS:

QUESTIONS & ANSWERS:

Q: Please clarify what product is to be used for the 4x4 panel in the Acoustical ceilings. The High School and Junior High reflected ceiling prints show a 4x4 specialty panel. The Junior High print, pg. A121E - Plan Note 1, labels it as a 2x4 reflector panel.
A: Replace all mentions of the reflector panels with diffuser panels

Q: 1. For the split face limestone, the drawings for the high school call for the material to random lengths but the JR-HS drawings do not state random lengths. Can you please confirm if the JR-HS split face will random lengths or a single uniform length?
A: Please provide random lengths at both schools

Q: For the split face limestone the specs or drawing indicate it back of the stone can be split or they should be a sawn back. Can please confirm? A split face back is substantially cheaper than a sawn back.
A: The contractor can choose to go with split or sawn back

Q: Currently the HS & JR-HS existing limestone is not all buff, it is a mix that varies depending on location. Please confirm that the new additions are to have Buff colored limestone.
A: Please provide buff for the high school, match the color of the south addition for the Jr High

Q: Concessions Drawing T401, Detail #2, who is responsible for providing and installing the UPS? If
the contractor is responsible for the UPS, can you provide any specifications for it? Will this be the same for the High School and Jr High School\
A: Please see Technology Scope Matrix on Drawing Sheet T001

Q: Spec Section 271100-2 2.6.A, this states a floor standing cabinet at “full height”, Drawing T401,
Plan Note #2 states a 30RU cabinet. Can you clarify what size and type (wall mount or Floor mount) cabinet is required for this IDF?
A: Provide a floor mount 30RU Cabinet for the Softball Field

Q: Can you confirm that the school (or others) will provide and install all Network Switches shown on the drawings?
A: Please see Technology Scope Matrix on Drawing Sheet T001

Q: Are the laminate panels, shelves and rods part of the casework construction?
A: Yes

Q: At the high school are the typical classroom casework supposed to be mixed between laminae and metal? See note 23 and 21.
A: See attached revised elevation 6/A762. Notes have been revised. All typical classroom casework to be laminate.

Q: At the high school for elevation 5 are the cabinets on the left supposed to be open metal lockers? Section details call out laminate but the note calls for metal
A: See attached revised section detail 4/A765. Open metal lockers on the left in elevation 5/A762 are correct.

Q: For elevations 3 and 4/A761 the section detail calls out SS-2. Do you really want epoxy resin used for the bench top as noted in the section details.
A: See attached revised section detail 4/A764. Bench top has been revised to note SS-1.

High School Questions

1. Note 16 on sheet MP101A1 States “Provide new variable frequency drive for each fan in AHU. TCC shall include disconnection and reconnection of electrical power connection of VFD by electrical contractor in its bid.
    a. Are new VFDs to be provided for all AHUs? YES
    b. Is TCC or electrical contractor responsible for installation and electrical power connection? REFER TO REVISED PLAN NOTE 16.
    c. Is an AHU schedule with motor horsepower/fan quantities available?

    YES, SEE REVISED M-601 ATTACHED.
2. Sheet M601: EF-B2A says it is to be controlled by a toggle switch but also has note 2 which requires a fan speed controller. Is the fan single speed controlled by a switch or does it require a controller for modulating speed? SINGLE SPEED CONTROLLED BY A SWITCH, SPEED CONTROLLER IS USED FOR BALANCING PURPOSES ONLY.
3. Specification 23 09 00 calls for integration of exterior lighting contactors. Please provide schedule of existing lighting contactors to be integrated into the BAS.
4. Is it allowable to reuse existing control panel tubs? YES, ALLOWABLE TO REUSE EXISTING ENCLOSURES. ALL CONTROL CABLING MUST BE REPLACED WITH NEW.
5. There are several factory packaged RTU/MAU. Is the intent to integrate these into the new BAS, or to fully replace the controls? THE INTENT IS TO INTEGRATE THE FACTORY PACKAGED CONTROLS TO THE NEW BAS. IT IS NOT INTENDED TO FULLY REPLACE THE RTU/MAU CONTROLLERS.

Jr High Question:

1. Note 16 on sheet MP101A1 States “Provide new variable frequency drive for each fan in AHU. TCC shall include disconnection and reconnection of electrical power connection of VFD by electrical contractor in its bid.
    a. Are new VFDs to be provided for all AHUs? YES

   b. Is TCC or electrical contractor responsible for installation and electrical power connection? REFER TO REVISED PLAN NOTE 16.

   c. Is an AHU schedule with motor horsepower/fan quantities available?

      YES, SEE REVISED M-601 ATTACHED.

2. Specification 23 09 00 calls for integration of exterior lighting contactors. Please provide schedule of existing lighting contactors to be integrated into the BAS.

3. Is it allowable to reuse existing control panel tubs? YES, ALLOWABLE TO REUSE EXISTING ENCLOSURES. ALL CONTROL CABLING MUST BE REPLACED WITH NEW.

4. There are several factory packaged RTU/MAU. Is the intent to integrate these into the new BAS, or to fully replace the controls? THE INTENT IS TO INTEGRATE THE FACTORY PACKAGED CONTROLS TO THE NEW BAS. IT IS NOT INTENDED TO FULLY REPLACE THE RTU/MAU CONTROLLERS.

Primary School Questions:

1. Sheet M601 VAV Schedule note 3 states that new control valves are to be provided. Is any other equipment (AHUs, FCUs etc) to get new control valves, or is it just VAVs? NEW CONTROL VALVES NOT REQUIRED FOR VAVS, REFER TO ADDENDUM #3

2. Are the FCU shown on sheet MH106 VRF fan coils? YES

3. There are factory packaged RTU/MAU. Is the intent to integrate these into the new BAS, or to fully replace the controls? THE INTENT IS TO INTEGRATE THE FACTORY PACKAGED CONTROLS TO THE NEW BAS. IT IS NOT INTENDED TO FULLY REPLACE THE RTU/MAU CONTROLLERS.

4. Specification 23 09 00 calls for integration of exterior lighting contactors. Please provide schedule of existing lighting contactors to be integrated into the BAS.

Intermediate School Questions:

1. Sheet M601 VAV Schedule note 3 states that new control valves are to be provided. Is any other equipment (AHUs, FCUs etc) to get new control valves, or is it just VAVs? NEW CONTROL VALVES NOT REQUIRED FOR VAVS, REFER TO ADDENDUM #3
2. Are the FCU shown on sheet MH106 VRF fan coils? YES
3. There are factory packaged RTU/MAU. Is the intent to integrate these into the new BAS, or to fully replace the controls? THE INTENT IS TO INTEGRATE THE FACTORY PACKAGED CONTROLS TO THE NEW BAS. IT IS NOT INTENDED TO FULLY REPLACE THE RTU/MAU CONTROLLERS.
4. Specification 23 09 00 calls for integration of exterior lighting contactors. Please provide schedule of existing lighting contactors to be integrated into the BAS.

SPECIFICATIONS:

1. 10 11 00 – Visual Display Boards
   Change: Add Nelson Adams as an approved equal for Markerboards, Tackboards, and Tackstrips
2. 116623.53 – Wall Padding
   Change: Add Ward's SofStop as an approved equal

3. SECTION 230900 DIRECT DIGITAL CONTROL SYSTEMS FOR HVAC
   Delete paragraph 1.5.B.8 in its entirety.

   Delete paragraph 2.4.E.18 in its entirety.

   Modify Paragraph 2.6.A.1. by inserting subparagraphs with the following.

   "1. The Building Automation System shall be composed of one or more independent, stand-alone, microprocessor-based building controllers to manage the global strategies described in the System Software section.

      a. The Owner has specified the following quantities of Building Controllers:

         i. Edgewood High School: Four (4)

a. Building Controller 1 Serving Areas A1, A2, F1, F2
b. Building Controller 2 Serving Areas B1, B2, B3
c. Building Controller 3 Serving Areas C1, C2, D1, D2, G
d. Building Controller 4 Serving Areas E1, E2

ii. Edgewood Junior High School: Two (2)

a. Building Controller 1 Serving Areas A, B, E
b. Building Controller 2 Serving Areas C, D

iii. Edgewood Intermediate School: One (1)
iv. Edgewood Primary School: One (1)"

Delete and replace paragraph 2.11.F.4. with the following.

"4. Space temperature sensors shall be separate units from humidity and CO2 sensors. Space temperature sensors shall have set point adjustment of +/- 2F via slider, but shall NOT have display of temperature values. Provide a stainless steel face plate type sensor with tamper proof screws in areas subject to damage or vandalism, including, but not limited to, corridors, cafeterias, auditoriums, gymnasiums.

Delete and replace paragraph 3.8.A with the following.

"A. All control wiring shall be green."

4. Section 27 13 23
    a. Sub-paragraph 2.1, A, 1 – Add "General Cable"
5. Section 271100
    a. Paragraph 2.6, A – Replace "full height" with "30 RU"

DRAWINGS:

SOFTBALL

1. Drawing EL101
    a. Updated light fixture schedule

JUNIOR HIGH

1. Drawing A101E – Floor Plan – First Floor – Unit E
    a. Added Keynotes for Markerboard and Tackboard
2. Drawing A121E – Reflected Ceiling Plan – First Floor – Unit E

   a. Change keynote 1 to read " drop-in 4'-0x4'-0" ceiling diffuser panel"
3. Drawings A751 and A752 – Interior Elevations
   a. Change keynotes 3 and 12 as follows: replace the word "reflector" with the word "diffuser"
4. Drawing MP101A
   a. Revised note 10
5. Drawing MP101B
   a. Revised note 10, added note 11, added lighting control panel.
6. Drawing MP101C
   a. Revised note 10
7. Drawing MP101D
   a. Revised note 10
8. Drawing MP101E
   a. Revised note 10
9. Drawing M-602
   a. Added ex. Vfd schedule
10. Drawing M-701
   a. Added bas network schematic
11. Drawing EL102
   a. Added exit signs to choir and band; added low voltage switching to band
12. Drawing E-601
   a. Updated light fixture schedule

HIGH SCHOOL

1. S100B.3 – Foundation Plan - Unit B.3
   a. Adjusted approximate locations of underground utilities on plan. Updated approximate footing step locations and elevations based on Civil field investigation.
   b. Added key note to sleeve existing deep sanitary line to remain per new typical detail.
   c. Added new pier type for (1) instance on plan.
2. S400 – Typical Foundation Details
   a. Added new typical detail for sleeving pipe under new wall footing.
3. Drawing AD101E2:- Demolition Plan – First Floor – Unit E2
   a. Added notes for the demolition of the display case and bulkhead
4. Drawing D141R – Demo Roof Plan
   a. Added Keynote 7
5. Drawing A101E2: - Floor Plan- First Loor Unit E2
   a. Added notes for infill, added tack board

6. Drawing A121E2 – Reflected Ceiling Plan – First Floor Unit E2
    a. Added notes for patching of the bulkhead
7. Drawing A122B3 – Reflected Ceiling Plan – Second Floor – Unit B3
    a. Added keynote 5 to identify ceiling diffuser panels
8. Drawing A141R – Roof Plan
    a. Added Keynotes, Section Cuts and changed location of the expansion joint
9. Drawing A142R
    a. Changed notes and added Detail
10. Drawings A201 – Elevations
    a. Added detail callout
11. Drawing A301 – Sections
    a. Adjusted callouts
12. Drawing A311 – Wall Sections
    a. Added details, added wood sheathing behind flat metal panels, changed the sections to match elevations
13. Drawing A312 – Wall Sections
    a. Changed Detail 11 to reflect metal panels visible on elevations
    b. Added wood blocking to Detail 12
    c. Added View
14. Drawings A751 and A752
    a. Change wording of Keynotes 2 and 9 to replace the word “reflector” with the word “diffuser”
15. Drawing A762 - CASEWORK ELEVATIONS
    a. Revised keynote for base cabinets to show #21 for elevation 6/A762.
16. Drawing A764 - CASEWORK SECTIONS
    a. Revised text callout to "1/2" SOLID SURFACE BENCH TOP, SS-1" for detail 8/A764.
17. Drawing A765 - CASEWORK SECTIONS
    a. Revised text callouts to incorporate metal as finish material for detail 4/765.
18. Drawing PF102B3
    a. Update storm and sanitary pipe locations/inverts. Added temporary fire protection lines (for reference only)
19. Drawing MH101B3
    a. Moved diffuser away from light location.
20. Drawing MP101A1
    a. Revised note 16
21. Drawing MP101A2
    a. Revised note 16
22. Drawing MP101B1
    a. Updated tags, revised note 16
23. Drawing MP101B2
    a. Revised note 16
24. Drawing MP101B3

   a. Revised note 16
25. Drawing MP101C1
   a. Revised note 16
26. Drawing MP101C2
   a. Revised note 16
27. Drawing MP101D1
   a. Revised note 16
28. Drawing MP101D2
   a. Revised note 16
29. Drawing MP101E1
   a. Revised note 16
30. Drawing MP101E2
   a. Revised note 16
31. Drawing MR101
   a. Added notes for existing equipment
32. Drawing M601
   a. Added existing equipment schedule
33. Drawing M702
   a. Added High School Bas Network Architecture
34. Drawing EL101
   a. Moved lights in lab #1
35. Drawing EL102
   a. Added exit signs and low voltage switching in band and choir; moved exit sign in choir; replaced down lights with flat panel in vest 106a; added egress wallpacks; moved light in instrument storage
36. Drawing EL111
   a. Updated lights in storage
37. Drawing E-601
   a. Updated light fixture schedule

PRIMARY SCHOOL

1. Drawing MH102
   a. Added note 13
2. Drawing MH103
   a. Added note 13
3. Drawing MH105
   a. Added note 13
4. Drawing M-701
   a. Added lighting control diagrams

INTERMEDIATE SCHOOL

1. Drawing MH101
    a. Added note 14
2. Drawing MH104
    a. Added note 14
3. Drawing MH105
    a. Added note 14
4. Drawing M-701
    a. Added lighting control diagrams

Attachments:
Drawings:
Softball Concessions:
EL101
Jr High School:
A101E, MP101A, MP101B, MP101C, MP101D, MP101E, M602, M701, EL102, E601
High School:
S100B.3, S400, AD101E2,D141R, A101E2, A121E2,A122B3, A141R, A142R, A201, A301, A311, A312, A762, A764, A765, PF102B3, MH101B3, MP101A1, MP101A2, MP101B1, MP101B2, MP101B3, MP101C2, MP101D1, MP101D2, MP101E1, MP101E2, MR101, M601, M702, EL101, EL102, EL111
Primary School:
MH102, MH103, MH105, M701
Intermediate School:
MH101, MH104, MH105, M701
END OF ADDENDUM NO. FOUR

GENERAL LIGHT FIXTURE SCHEDULE NOTES

A REFER TO ELECTRICAL SYMBOLS AND ABBREVIATIONS SHEET E-001 FOR ADDITIONAL INFORMATION.
B PROVIDE VIBRATION DAMPERS FOR ALL ALUMINUM AND STEEL POLES 10'-0" AND ABOVE.
C PROVIDE SELF-DIAGNOSTICS AND SELF-TESTING FOR ALL LIFE SAFETY FIXTURES (EXIT FIXTURES, WALL PACKS, INVERTERS BALLASTS, ETC.)
D PROVIDE 0-10V ELECTRONIC DIMMING DRIVER DOWN TO 10% UNLESS OTHERWISE NOTED.
E PROVIDE A MINIMUM OF ONE CLIP PER SIDE UP TO 4' AND CABLE SUPPORTS FOR EACH LIGHT FIXTURE.
F REFER TO ARCHITECTURAL PLANS FOR CEILING TYPE.
G SUBMITT LIGHTING PER APPROPRIATE SPECIFICATION SECTION.

INTERIOR/EXTERIOR/EMERGENCY & EXIT LIGHT FIXTURES SCHEDULE

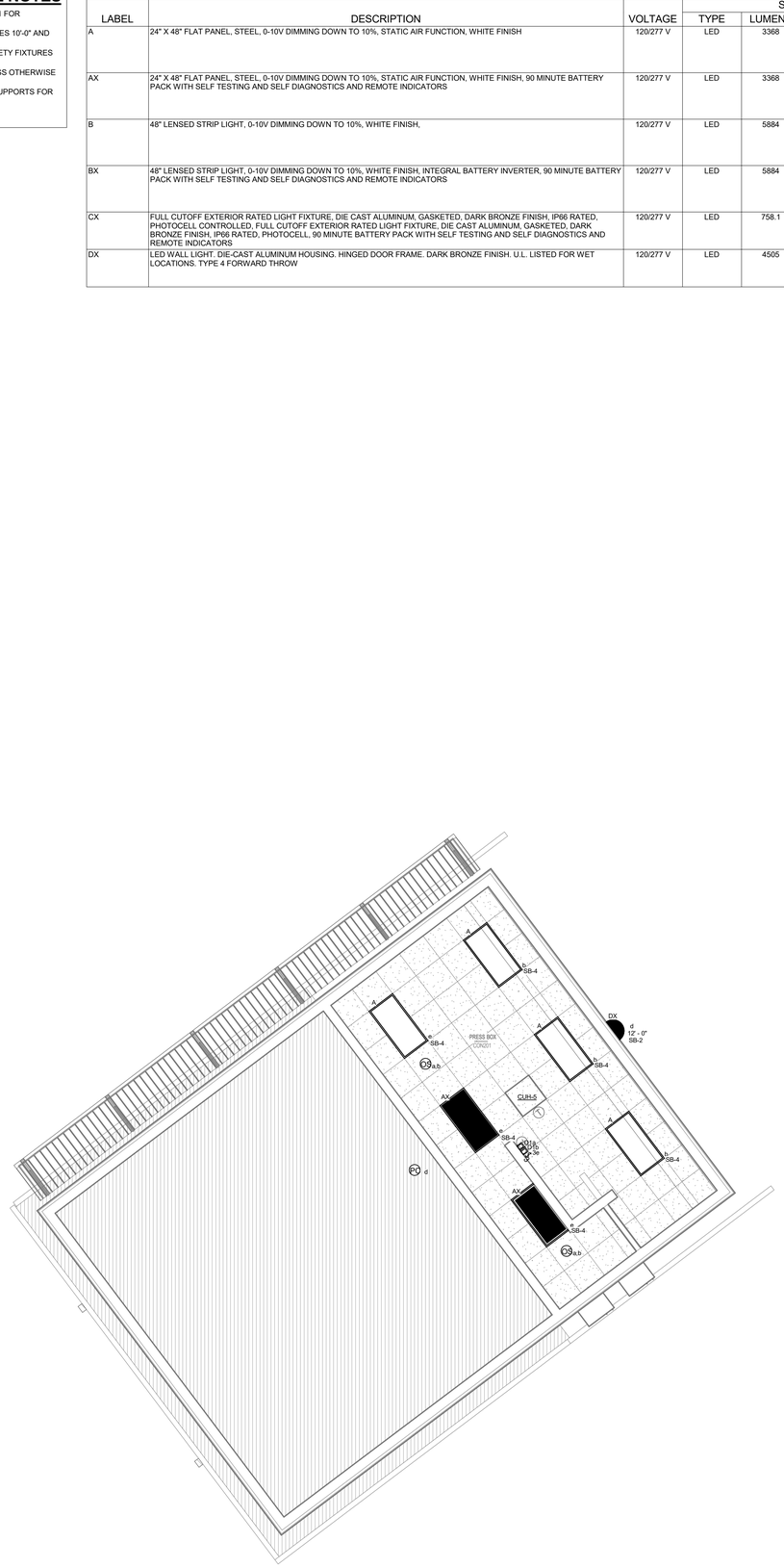
LABEL	DESCRIPTION	VOLTAGE	SOURCE TYPE	LUMENS	WATTS	CCT	MOUNTING	LENS/REFLECTOR	CERTIFICATIONS	ACCEPTABLE MANUFACTURERS	LABEL
A	24" X 48" FLAT PANEL, STEEL, 0-10V DIMMING DOWN TO 10%, STATIC AIR FUNCTION, WHITE FINISH	120/277 V	LED	3368	25 W	5000 K 80 CRI	RECESSED	SATIN WHITE DIFFUSER	DLC	LITHONIA LIGHTING CPX 2X4 SERIES COLUMBIA LIGHTING CBT24 SERIES HE WILLIAMS LIGHTING BP24 SERIES METALUX LIGHTING 24CGT SERIES DAY-BRITE LIGHTING 2SBP SERIES	A
AX	24" X 48" FLAT PANEL, STEEL, 0-10V DIMMING DOWN TO 10%, STATIC AIR FUNCTION, WHITE FINISH, 90 MINUTE BATTERY PACK WITH SELF TESTING AND SELF DIAGNOSTICS AND REMOTE INDICATORS	120/277 V	LED	3368	25 W	5000 K 80 CRI	RECESSED	SATIN WHITE DIFFUSER	DLC	LITHONIA LIGHTING CPX 2X4 SERIES COLUMBIA LIGHTING CBT24 SERIES HE WILLIAMS LIGHTING BP24 SERIES METALUX LIGHTING 24CGT SERIES DAY-BRITE LIGHTING 2SBP SERIES	AX
B	48" LENSED STRIP LIGHT, 0-10V DIMMING DOWN TO 10%, WHITE FINISH,	120/277 V	LED	5884	42 W	5000 K 80 CRI	CABLE MOUNTED TO STRUCTURE	DIFFUSE ACRYLIC LENS WITH ENDCAPS	DLC	LITHONIA LIGHTING CSS L48 SERIES COLUMBIA LIGHTING MPS4 SERIES HE WILLIAMS LIGHTING FS4 SERIES METALUX LIGHTING 4SLSTP SERIES DAY-BRITE LIGHTING FSS SERIES	B
BX	48" LENSED STRIP LIGHT, 0-10V DIMMING DOWN TO 10%, WHITE FINISH, INTEGRAL BATTERY INVERTER, 90 MINUTE BATTERY PACK WITH SELF TESTING AND SELF DIAGNOSTICS AND REMOTE INDICATORS	120/277 V	LED	5884	42 W	5000 K 80 CRI	CABLE MOUNTED TO STRUCTURE	DIFFUSE ACRYLIC LENS WITH ENDCAPS	DLC	LITHONIA LIGHTING CSS L48 SERIES COLUMBIA LIGHTING MPS4 SERIES HE WILLIAMS LIGHTING FS4 SERIES METALUX LIGHTING 4SLSTP SERIES DAY-BRITE LIGHTING FSS SERIES	BX
CX	FULL CUTOFF EXTERIOR RATED LIGHT FIXTURE, DIE CAST ALUMINUM, GASKETED, DARK BRONZE FINISH, IP66 RATED, PHOTOCELL, CONTROLLED, FULL CUTOFF EXTERIOR RATED LIGHT FIXTURE, DIE CAST ALUMINUM, GASKETED, DARK BRONZE FINISH, IP66 RATED, PHOTOCELL, 90 MINUTE BATTERY PACK WITH SELF TESTING AND SELF DIAGNOSTICS AND REMOTE INDICATORS	120/277 V	LED	758.1	9 W	5000 K 80 CRI	RECESSED	DIFFUSE LENS	N/A	LITHONIA LIGHTING WPXO SERIES LIGHTOILER LIGHTING M6R SERIES	CX
DX	LED WALL LIGHT. DIE-CAST ALUMINUM HOUSING. HINGED DOOR FRAME. DARK BRONZE FINISH. U.L. LISTED FOR WET LOCATIONS. TYPE 4 FORWARD THROW	120/277 V	LED	4505	15 W	5000 K 80 CRI	WALL MOUNTED		N/A	MCGRAW-EDISON ISS SPAULDING QSP LITHONIA WSQ UTOPIA LIGHTING WML SERIES	DX

2

GENERAL LIGHTING NOTES

A REFER TO ELECTRICAL SYMBOLS AND ABBREVIATIONS SHEET E-001 FOR ADDITIONAL INFORMATION.
B COORDINATE ALL DEVICE LOCATIONS WITH ARCHITECT AND INTERIOR DESIGNER.
C PROVIDE LABELS ON ALL EQUIPMENT MODIFIED BY THIS PROJECT. PROVIDE LABELS ON ALL JUNCTION BOXES AND CONDUITS MODIFIED OR PROVIDED BY THIS PROJECT. PROVIDE UPDATED PANELBOARD DIRECTORIES ON ALL PANELBOARDS MODIFIED BY THIS PROJECT.
D NOT ALL PLAN NOTES ARE USED ON THIS SHEET.

◯ LIGHTING PLAN NOTES



2 ELECTRICAL LIGHTING SECOND FLOOR PLAN
1/4" = 1'-0"

1 ELECTRICAL LIGHTING FIRST FLOOR PLAN
1/4" = 1'-0"

PLOT DATE/TIME: 7/29/2026 11:36:49 AM

LANCER ASSOCIATES ARCHITECTURE
145 NORTH EAST STREET
INDIANAPOLIS, IN 46204

creative engineering solutions
mechanical • electrical • plumbing
602 N. Capitol Ave, Suite 200
Indianapolis, IN 46204 - 463-210-6795

RICHLAND-BEAN BLOSSOM COMM. SCHOOL CORP
BASEBALL/SOFTBALL TURF
601 EDGEWOOD DRIVE
ELLETTSVILLE, IN 47429

DAVID L. JONES III REGISTERED PROFESSIONAL ENGINEER NO. PE12100175 STATE OF INDIANA
David L. Jones III

REVISIONS:

#	Date	Desc.
1	07.27.2026	ADDENDUM #3
2	07.29.2026	ADDENDUM #4

100% CONSTRUCTION DOCUMENTS

PROJECT #26101
DATE: 07-03-2026
DRAWN BY: DJW

ELECTICAL LIGHTING PLANS

N
TRUE NORTH

EL101

GENERAL NOTES

A. PROVIDE CORNER GUARDS AT ALL OUTSIDE CORNERS WITH GYPSUM BOARD FINISH.

B. PROVIDE BULL-NOSE FINISH ON ALL OUTSIDE CORNERS OF CMU WALLS

C. SEE ELEVATIONS FOR EXTERIOR MASONRY TYPE AND SIZES

D. PROVIDE SOLID SURFACE WINDOW SILLS @ ALL STOREFRONT GLAZING SILLS ABOVE FINISHED FLOOR HEIGHT. WINDOW SILL TO EXTEND 1" PAST FINISHED WALL SURFACE, TYP. UNLESS NOTED OTHERWISE

E. VIF ALL DIMENSIONS FOR WINDOWS AND CASEWORK

F. INTERIOR DIMENSIONS ARE TAKEN TO THE FACE OF MASONRY OR STUDS

G. FOR ALL RESTROOM FACILITIES WITH GYPSUM WALL FINISH REPLACE 5/8" TYPE "X" GYPSUM BOARD WITH 5/8" MOISTURE RESISTANT GYPSUM BOARD, SEE SPECS FOR DETAILS

H. WHERE COLUMNS ARE NOT INDICATED TO BE WRAPPED, PAINT THEM P-X

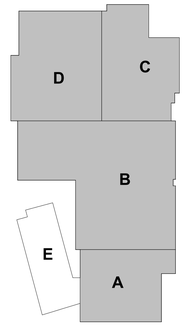
I. WALLS TO GO UP TO DECK UNLESS NOTED OTHERWISE

J. PROVIDE WINDOW SHADES ON ALL NEW FIXED WINDOWS (INTERIOR AND EXTERIOR). SEE INTERIOR ELEVATIONS FOR MOTORIZED WINDOW SHADES

PLAN NOTES - FLOOR PLAN

1 NEW ALUMINUM STOREFRONT
2 NEW CASEWORK
3 MIRROR 8-0" TALL. 12" AFF. PROVIDE CURTAINS ON TRACK ABOVE THE MIRROR
4 MUSICAL INSTRUMENT STORAGE WITH WIRE DOORS AND ACOUSTICAL BACK PANELS
5 NEW SWING BY THE OWNER
6 WALL PADDING
7 INFILL EXISTING OPENING. MATCH ADJACENT WALL CONSTRUCTION
8 16' WIDE X 4' TALL MARKERBOARD
9 12' WIDE X 4' TALL MARKERBOARD
11 LADDER AND ROOF HATCH TO THE ROOF
12 2" EXPANSION JOINT AND COVER
13 TWO ROWS OF CLOTHES RODS AND SHELF ABOVE
14 WALL-MOUNTD WALL ABOSERBER PANEL 6'X4'
15 SEMI-RECESSED FIRE EXTINGUISHER
16 4' X 4' TACKBOARD
17 RELOCATED LOCKERS
18 PROVIDE STAFF LINES ON THE MARKER BOARD

1 FLOOR PLAN - FIRST FLOOR - UNIT E
SCALE: 1/8" = 1'-0" REF. 1 / A301



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JR HIGH ADDITION/RENOVATION
851 W. EDGEWOOD DR., ELLETTSVILLE, IN 47429

JERRY L CRITSER REGISTERED NO 880039 STATE OF INDIANA

REVISIONS:

#	Date	Desc.
1	07-17-26	ADDdt1
2	07-30-202	ADDdt04

100% CONSTRUCTION DOCUMENTS

PROJECT:	#23117
DATE:	07/03/2026
DRAWN BY:	Author

FLOOR PLAN - FIRST FLOOR - UNIT E

A101E

PLOT DATE/TIME:7/29/2026 3:20:17 PM

GENERAL PIPING NOTES

A DARK LINES INDICATE NEW WORK.
B LIGHT SOLID LINES INDICATE EXISTING MECHANICAL EQUIPMENT, DUCTWORK, PIPING, AND/OR MECHANICAL ACCESSORIES TO REMAIN AS-IS. CONTRACTOR TO FIELD VERIFY ACTUAL EXISTING CONDITIONS PRIOR TO BIDDING.
C PROVIDE SHUTOFF VALVES AT EVERY BRANCH CONNECTION TO A MAIN.
D NEW SHUTOFF VALVES SHALL BE INSTALLED FOR ALL NEW HYDRONIC EQUIPMENT.
E THROUGHOUT CONSTRUCTION, THE TCC MUST MAINTAIN A LOG OF DEFICIENCIES OR DISCREPANCIES IDENTIFIED WITH ANY TEMPERATURE CONTROL DEVICES OR HARDWARE THAT IS BEING RE-USED. THIS LOG OF DEFICIENCIES MUST BE PROVIDED TO THE OWNER AT THE COMPLETION OF CONSTRUCTION. THESE DEFICIENCIES MAY INCLUDE, BUT NOT BE LIMITED TO, ACTUATOR MALFUNCTIONS, BLEED THROUGH AT CONTROL VALVES, HYDRONIC LEAKS, DAMPER MALFUNCTIONS, SENSOR FAILURES, ETC.

MECHANICAL PIPING PLAN NOTES

1 DROP CONDENSATE TO NEAREST FLOOR DRAIN.
2 ROUTE REFRIGERANT PIPING UP TO CU-C1 ON ROOF. FOLLOW ALL MANUFACTURES ROUTING AND SIZING RECOMENDATIONS.
3 REMOVE EXISTING DDC CONTROLLER AND DAMPER ACTUATOR AT VAV TERMINAL UNIT. PROVIDE NEW DDC CONTROLLER AND DAMPER ACTUATOR IN EXISTING VAV TERMINAL UNIT CONTROL ENCLOSURE. EXISTING HEATING HOT WATER TEMPERATURE CONTROL VALVE REMAINS. PROVIDE NEW CONTROL COMMUNICATION WIRING AS REQUIRED BETWEEN CONTROLLER AND TEMPERATURE CONTROL VALVE. PMAINTAIN EXISTING SEQUENCE OF OPERATION. REFER TO TERMINAL UNITS - SEQUENCE OF OPERATION ON M-702.
4 REMOVE EXISTING SPACE TEMPERATURE SENSOR AND COMMUNICATION WIRING COMPLETE. PROVIDE NEW TEMPERATURE SENSOR AND COMMUNICATION WIRING TO NEW DDC CONTROLLER AT VAV TERMINAL UNIT BEING CONTROLLED.
5 TERMINATE CONDENSATE DRAIN ABOVE MOP BASIN.
6 REMOVE EXISTING CONTROL WIRE FROM EXHAUST FAN STARTER AND EXISTING CONTROLLER. REMOVE EXISTING CONTROLLER COMPLETE. EXISTING MOTOR STARTER REMAINS. PROVIDE NEW CONTROL WIRING FOR COMMUNICATION BETWEEN BMS AND EXHAUST FAN MOTOR STARTER. PROVIDE START/STOP OF EXHAUST FAN ON OWNER DEFINED SCHEDULE AND MONITOR STATUS AT OPERATOR WORK STATION. REFER TO EXISTING 'EXHAUST FAN - SEQUENCE OF OPERATION' ON DRAWING M-702.
7 REMOVE EXISTING AHU/RTU TEMPERATURE SENSOR AND COMMUNICATION WIRING COMPLETE. PROVIDE NEW TEMPERATURE SENSOR AND COMMUNICATION WIRING TO NEW AHU/RTU DDC CONTROLLER.
8 PROVIDE NEW CONTROLLER FOR SINGLE ZONE VAV AHU. PROVIDE NEW COMMUNICATION WIRING FROM NEW CONTROLLER TO EXISTING CONTROL VALVE ACTUATORS AND DAMPER ACTUATORS. MAINTAIN EXISTING SEQUENCE OF OPERATION. REFER TO SINGLE ZONE VAV SEQUENCE OF OPERATION ON M-702.
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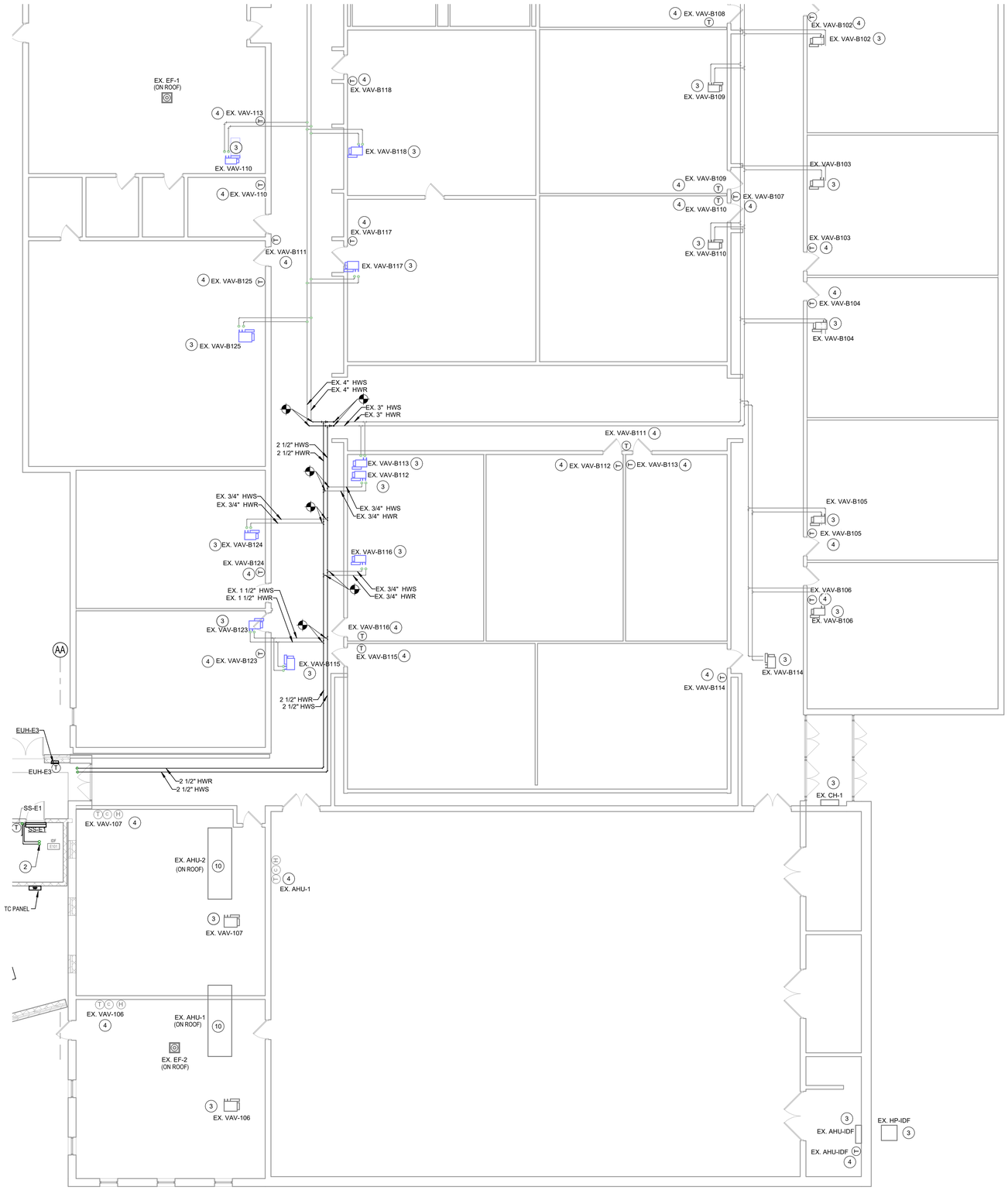
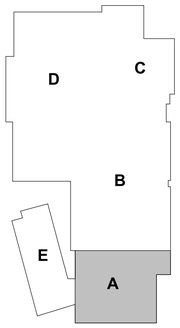


1 **MECHANICAL PIPING FIRST FLOOR PLAN - UNIT A**
1/8" = 1'-0"



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STATE OF INDIANA
PROFESSIONAL ENGINEER

REVISIONS:

#	Date	Desc.
1	07-29-2026	ADDENDUM #4

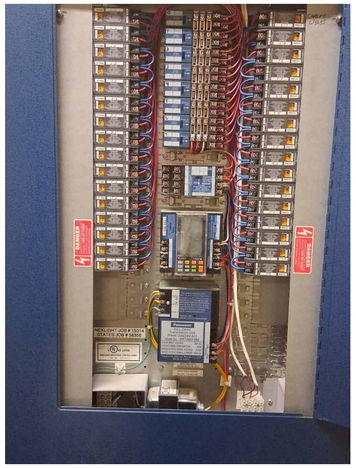
100% CONSTRUCTION DOCUMENTS

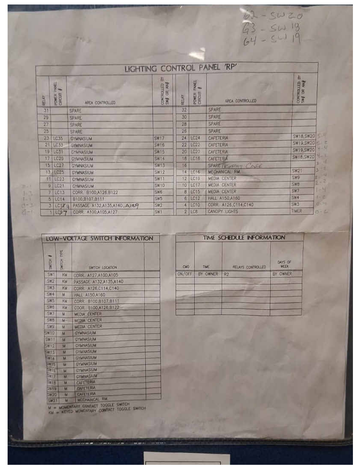
PROJECT: #23117
DATE: 07-03-2026
DRAWN BY: CSM

MECHANICAL PIPING FIRST FLOOR PLAN - UNIT A

MP101A

PLOT DATE/TIME: 7/29/2026 2:33:30 PM





2 LIGHTING CONTROL PANEL
NOT TO SCALE

GENERAL PIPING NOTES

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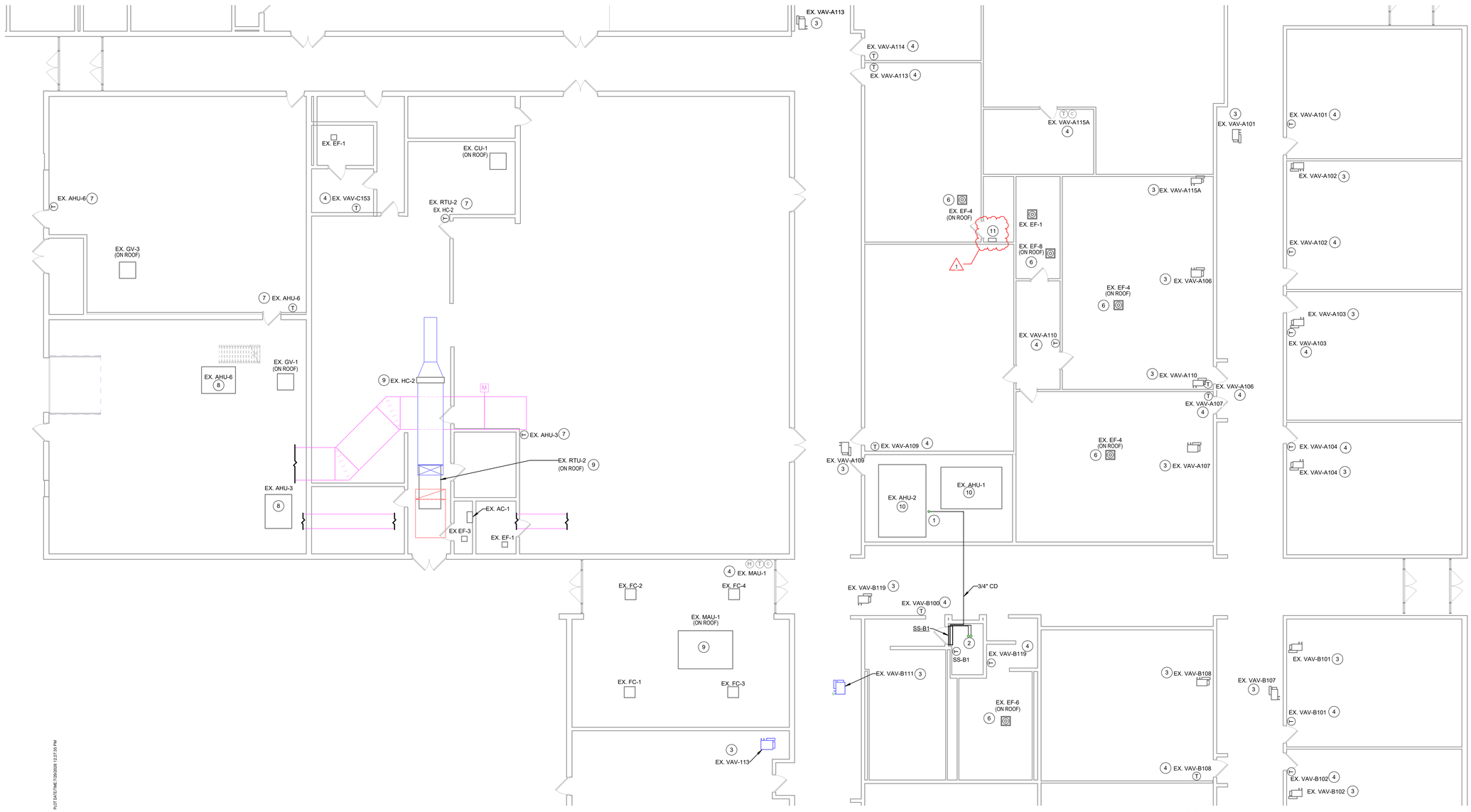
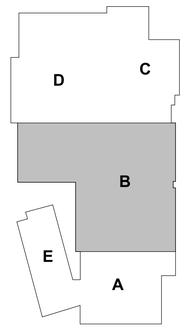
11 INTEGRATE NEW CONTROLS FOR EXISTING LIGHTING CONTACTORS. SEE PHOTO THIS SHEET FOR EXISTING LIGHTING PANEL.



1 MECHANICAL PIPING FIRST FLOOR PLAN - UNIT B
1/8" = 1'-0"



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PLOT DATE/TIME: 7/29/2026, 12:27:59 PM

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GABRIEL S. CURRIER
REGISTERED
NO. PE10808972
STATE OF INDIANA
PROFESSIONAL ENGINEER

REVISIONS:

#	Date	Desc.
1	07-29-2026	ADDENDUM #4

100% CONSTRUCTION DOCUMENTS

PROJECT:	#23117
DATE:	07-03-2026
DRAWN BY:	CSM

MECHANICAL PIPING FIRST FLOOR PLAN - UNIT B

MP101B

GENERAL PIPING NOTES

A DARK LINES INDICATE NEW WORK.
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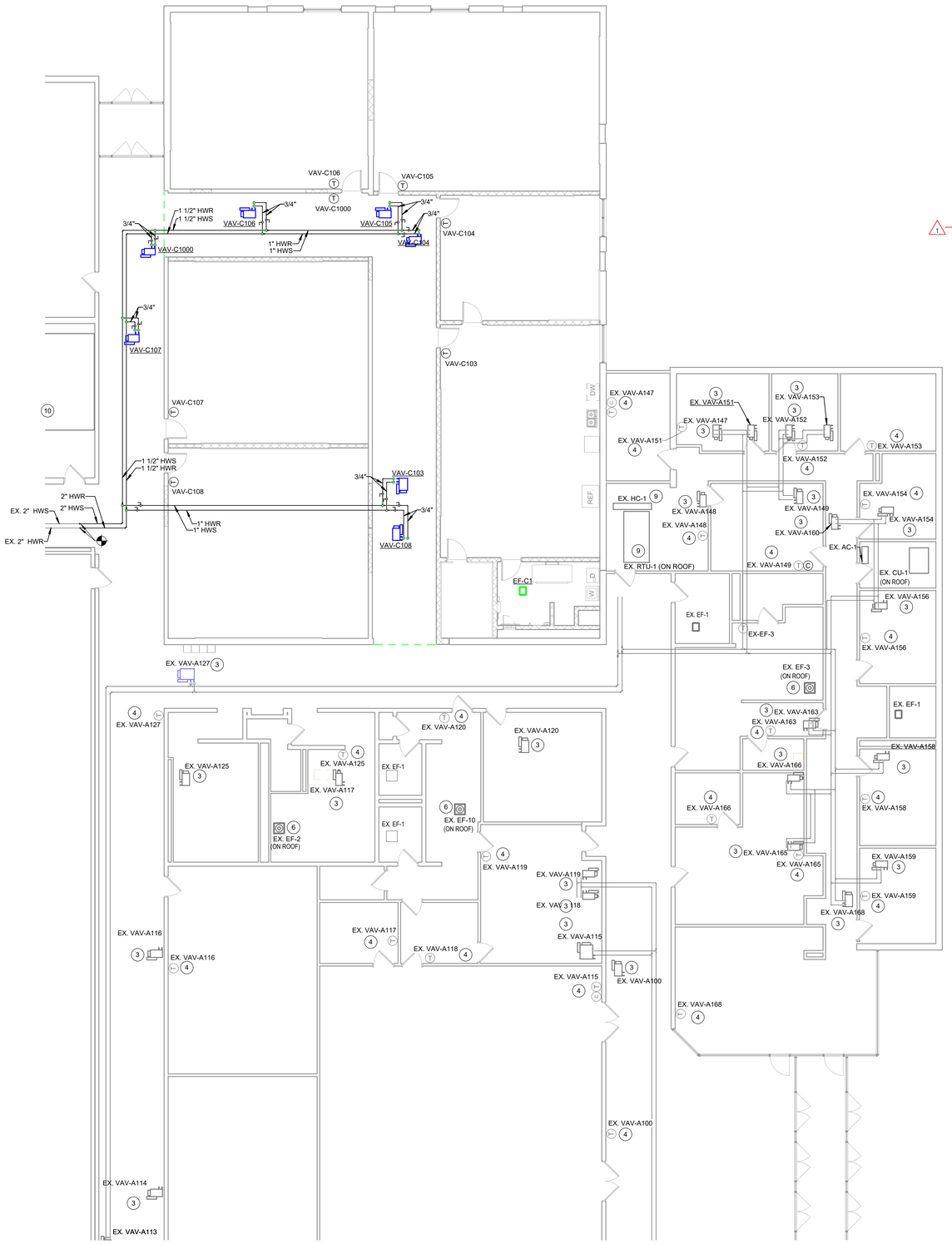
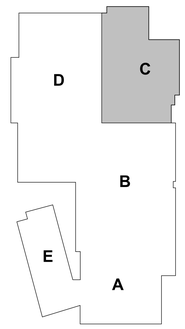


1 **MECHANICAL PIPING FIRST FLOOR PLAN - UNIT C**
1/8" = 1'-0"



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GABRIEL S. CURRIER REGISTERED No. PE10808972 STATE OF INDIANA PROFESSIONAL ENGINEER

REVISIONS:

#	Date	Desc.
1	07-29-2026	ADDENDUM #4

100% CONSTRUCTION DOCUMENTS

PROJECT: #23117
DATE: 07-03-2026
DRAWN BY: CSM

MECHANICAL PIPING FIRST FLOOR PLAN - UNIT C

MP101C

PLOT DATE/TIME 7/28/2026 2:53:32 PM

GENERAL PIPING NOTES

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B LIGHT SOLID LINES INDICATE EXISTING MECHANICAL EQUIPMENT, DUCTWORK, PIPING, AND/OR MECHANICAL ACCESSORIES TO REMAIN AS-IS. CONTRACTOR TO FIELD VERIFY ACTUAL EXISTING CONDITIONS PRIOR TO BIDDING.

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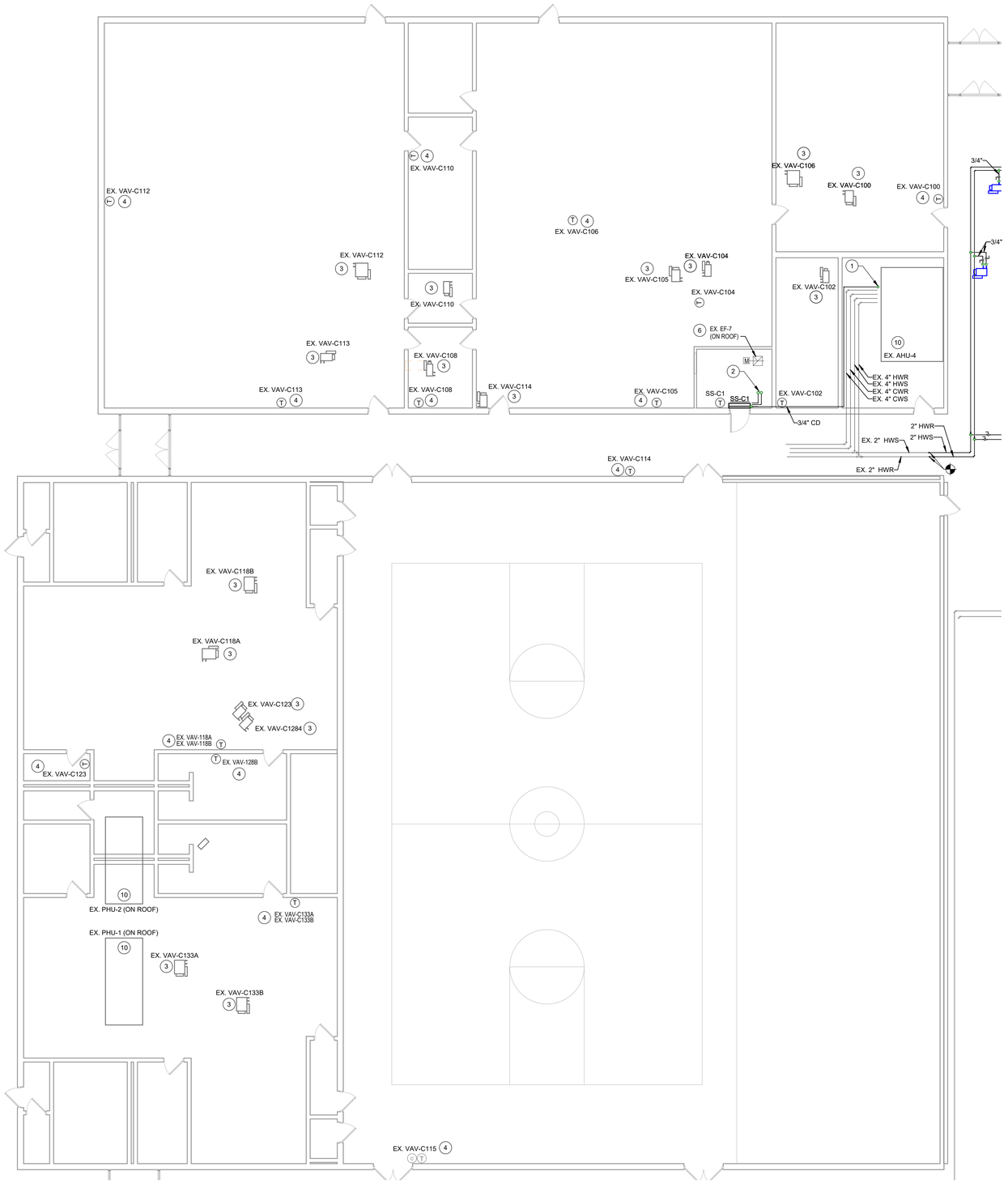
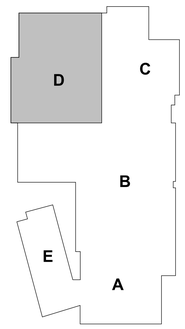


1 **MECHANICAL PIPING FIRST FLOOR PLAN - UNIT D**
1/8" = 1'-0"



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REVISIONS:

#	Date	Desc.
1	07-29-2026	ADDENDUM #4

100% CONSTRUCTION DOCUMENTS

PROJECT: #23117
DATE: 07-03-2026
DRAWN BY: CSM

MECHANICAL PIPING FIRST FLOOR PLAN - UNIT D

MP101D

PLOT DATE/TIME: 7/29/2026 2:33:34 PM

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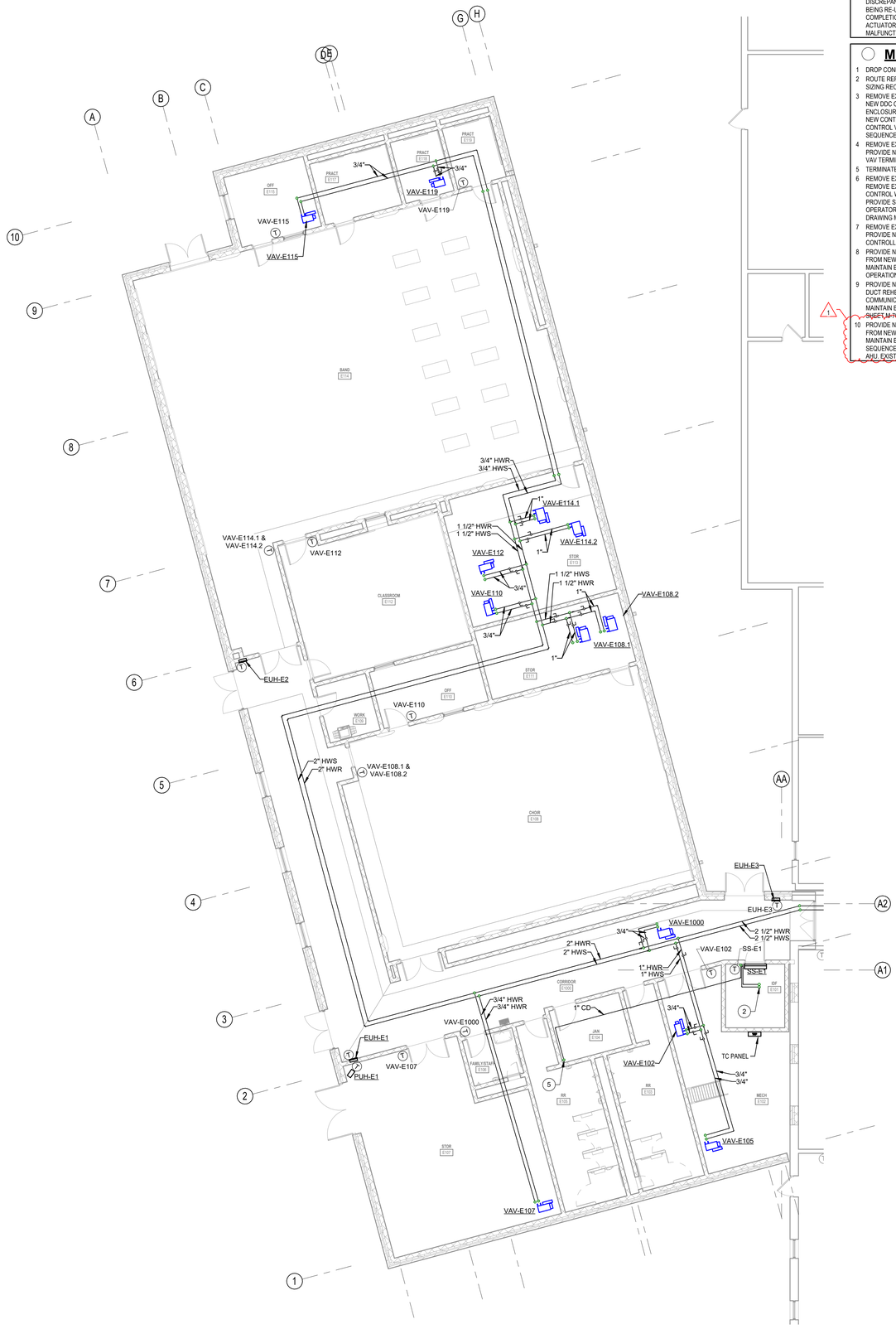
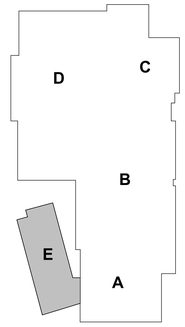
1 DROP CONDENSATE TO NEAREST FLOOR DRAIN.
2 ROUTE REFRIGERANT PIPING UP TO CU-C1 ON ROOF. FOLLOW ALL MANUFACTURES ROUTING AND SIZING RECOMENDATIONS.
3 REMOVE EXISTING DDC CONTROLLER AND DAMPER ACTUATOR AT VAV TERMINAL UNIT. PROVIDE NEW DDC CONTROLLER AND DAMPER ACTUATOR IN EXISTING VAV TERMINAL UNIT CONTROL ENCLOSURE. EXISTING HEATING HOT WATER TEMPERATURE CONTROL VALVE REMAINS. PROVIDE NEW CONTROL COMMUNICATION WIRING AS REQUIRED BETWEEN CONTROLLER AND TEMPERATURE CONTROL VALVE. PMAINTAIN EXISTING SEQUENCE OF OPERATION. REFER TO TERMINAL UNITS - SEQUENCE OF OPERATION ON M-702.
4 REMOVE EXISTING SPACE TEMPERATURE SENSOR AND COMMUNICATION WIRING COMPLETE. PROVIDE NEW TEMPERATURE SENSOR AND COMMUNICATION WIRING TO NEW DDC CONTROLLER AT VAV TERMINAL UNIT BEING CONTROLLED.
5 TERMINATE CONDENSATE DRAIN ABOVE MOP BASIN.
6 REMOVE EXISTING CONTROL WIRE FROM EXHAUST FAN STARTER AND EXISTING CONTROLLER. REMOVE EXISTING CONTROLLER COMPLETE. EXISTING MOTOR STARTER REMAINS. PROVIDE NEW CONTROL WIRING FOR COMMUNICATION BETWEEN BMS AND EXHAUST FAN MOTOR STARTER. PROVIDE START/STOP OF EXHAUST FAN ON OWNER DEFINED SCHEDULE AND MONITOR STATUS AT OPERATOR WORK STATION. REFER TO EXISTING 'EXHAUST FAN - SEQUENCE OF OPERATION' ON DRAWING M-702.
7 REMOVE EXISTING AHU/RTU TEMPERATURE SENSOR AND COMMUNICATION WIRING COMPLETE. PROVIDE NEW TEMPERATURE SENSOR AND COMMUNICATION WIRING TO NEW AHU/RTU DDC CONTROLLER.
8 PROVIDE NEW CONTROLLER FOR SINGLE ZONE VAV AHU. PROVIDE NEW COMMUNICATION WIRING FROM NEW CONTROLLER TO EXISTING CONTROL VALVE ACTUATORS AND DAMPER ACTUATORS. MAINTAIN EXISTING SEQUENCE OF OPERATION. REFER TO SINGLE ZONE VAV SEQUENCE OF OPERATION ON M-702.
9 PROVIDE NEW CONTROLLER TO PROVIDE COMMUNICATION FROM PACKAGE RTU CONTROLLER AND DUCT REHEAT COIL CONTROL VALVE AND BUILDING AUTOMATION SYSTEM. PROVIDE NEW COMMUNICATION WIRING BETWEEN EXISTING RTU AND DUCT REHEAT COIL TO NEW CONTROLLER. MAINTAIN EXISTING SEQUENCE OF OPERATION. REFER TO RTU-1 SEQUENCE OF OPERATION ON SHEET M-701.
10 PROVIDE NEW CONTROLLER FOR MULTIPLE ZONE VAV AHU. PROVIDE NEW COMMUNICATION WIRING FROM NEW CONTROLLER TO EXISTING CONTROL VALVE ACTUATORS AND DAMPER ACTUATORS. MAINTAIN EXISTING SEQUENCE OF OPERATION. REFER TO VAV AIR HANDLING UNIT WITH REHEAT SEQUENCE OF OPERATION ON M-702. PROVIDE NEW VARIABLE FREQUENCY DRIVE FOR EACH FAN IN AHU. EXISTING VFD REMOVED BY DIV 26. VFD FURNISHED BY CC AND INSTALLED BY DIV 26.



1 **MECHANICAL PIPING FIRST FLOOR PLAN - UNIT E**
1/8" = 1'-0"



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851 W. EDGEWOOD DR., ELLETTSVILLE, IN 47429

GABRIEL S. CURDER REGISTERED NO. PE10808972 STATE OF INDIANA PROFESSIONAL ENGINEER

REVISIONS:

#	Date	Desc.
1	07-29-2026	ADDENDUM #4

100% CONSTRUCTION DOCUMENTS

PROJECT: #23117
DATE: 07-03-2026
DRAWN BY: CSM

MECHANICAL PIPING FIRST FLOOR PLAN - UNIT E

MP101E

N TRUE NORTH

PLOT DATE/TIME:7/29/2026 2:55:35 PM

1

EXISTING AHU VFD SCHEDULE		
TAG	HP	VOLTAGE / PHASE
EX. AHU-1	25	480V / 3PH
EX. AHU-2	25	480V / 3PH
EX. AHU-3	10	480V / 3PH
EX. AHU-4	40	480V / 3PH
EX. AHU-5	20	480V / 3PH
EX. AHU-6	5	480V / 3PH
EX. PHU-1	10	480V / 3PH
EX. PHU-2	7.5	480V / 3PH

VAV BOX WITH HOT WATER REHEAT SCHEDULE - 23 36 00

IDENTITY DATA						
MARK	TYPE-INTERNAL-ERASE	MANUFACTURER	MODEL	INLET DIAMETER	FLOW (GPM)	EWT / LWT (°F)
VAV-100	VAV-4	EXISTING	EXIST.	10"	4.50	140 / 120
VAV-101	VAV-4	EXISTING	EXIST.	10"	4.50	140 / 120
VAV-102	VAV-4	EXISTING	EXIST.	10"	4.50	140 / 120
VAV-103	VAV-4	EXISTING	EXIST.	10"	4.50	140 / 120
VAV-104	VAV-4	EXISTING	EXIST.	10"	4.50	140 / 120
VAV-106	VAV-5	EXISTING	EXIST.	12"	6.00	140 / 120
VAV-107	VAV-5	EXISTING	EXIST.	12"	6.00	140 / 120
VAV-109	VAV-5	EXISTING	EXIST.	12"	6.00	140 / 120
VAV-110	VAV-2	EXISTING	EXIST.	6"	1.00	140 / 120
VAV-113	VAV-4	EXISTING	EXIST.	10"	4.50	140 / 120
VAV-114	VAV-4	EXISTING	EXIST.	10"	4.50	140 / 120
VAV-115	VAV-7	EXISTING	EXIST.	16"	10.00	140 / 120
VAV-115a	VAV-2	EXISTING	EXIST.	6"	1.00	140 / 120
VAV-116	VAV-4	EXISTING	EXIST.	10"	4.50	140 / 120
VAV-117	VAV-1	EXISTING	EXIST.	4"	1.25	140 / 120
VAV-118	VAV-1	EXISTING	EXIST.	4"	1.25	140 / 120
VAV-119	VAV-3	EXISTING	EXIST.	8"	2.25	140 / 120
VAV-A120	VAV-4	EXISTING	EXIST.	10"	4.50	140 / 120
VAV-A123	VAV-4	EXISTING	EXIST.	10"	4.50	140 / 120
VAV-A127	VAV-6	EXISTING	EXIST.	14"	8.00	140 / 120
VAV-A147	VAV-2	EXISTING	EXIST.	6"	1.00	140 / 120
VAV-A148	VAV-2	EXISTING	EXIST.	6"	1.00	140 / 120
VAV-A149	VAV-3	EXISTING	EXIST.	8"	2.25	140 / 120
VAV-A151	VAV-2	EXISTING	EXIST.	6"	1.00	140 / 120
VAV-A152	VAV-1	EXISTING	EXIST.	4"	1.25	140 / 120
VAV-A153	VAV-2	EXISTING	EXIST.	6"	1.00	140 / 120
VAV-A154	VAV-2	EXISTING	EXIST.	6"	1.00	140 / 120
VAV-A156	VAV-2	EXISTING	EXIST.	6"	1.00	140 / 120
VAV-A158	VAV-2	EXISTING	EXIST.	6"	1.00	140 / 120
VAV-A159	VAV-2	EXISTING	EXIST.	6"	1.00	140 / 120
VAV-A163	VAV-4	EXISTING	EXIST.	10"	4.50	140 / 120
VAV-A165	VAV-3	EXISTING	EXIST.	8"	2.25	140 / 120
VAV-A166	VAV-1	EXISTING	EXIST.	4"	1.25	140 / 120
VAV-A168	VAV-4	EXISTING	EXIST.	10"	4.50	140 / 120

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REVISIONS:

#	Date	Descr.
1	07-29-2026	ADDENDUM #4

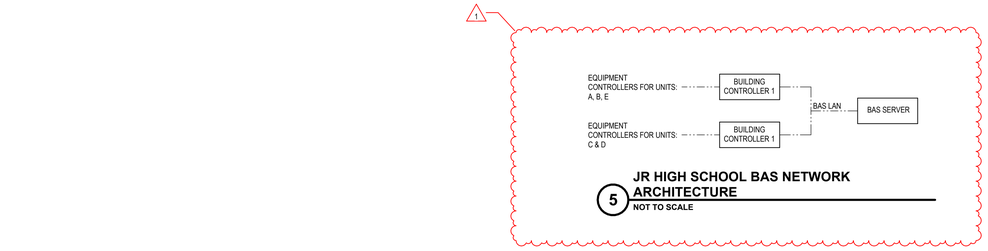
100% CONSTRUCTION DOCUMENTS

PROJECT: #23117
DATE: 07-03-2026
DRAWN BY: Author

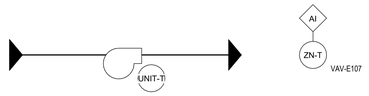
MECHANICAL SCHEDULES

M-602

PLOT DATE/TIME:7/29/2026 2:33:36 PM



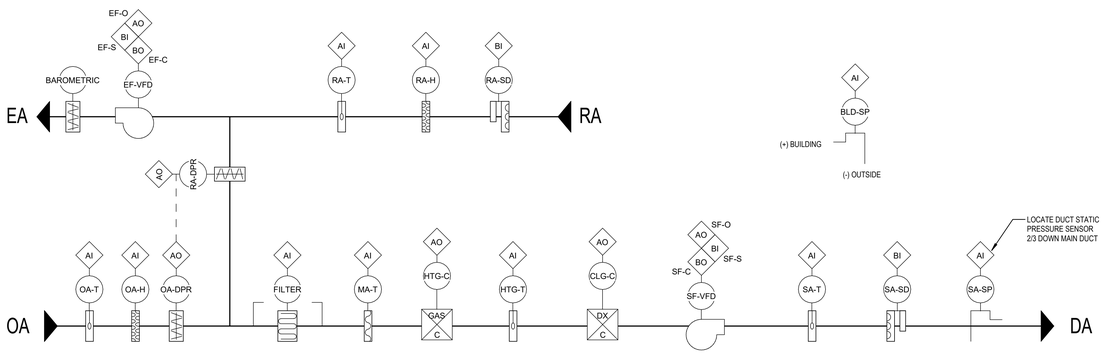
5 JR HIGH SCHOOL BAS NETWORK ARCHITECTURE
NOT TO SCALE



ELECTRIC PROPELLER UNIT HEATER SEQUENCE OF OPERATION

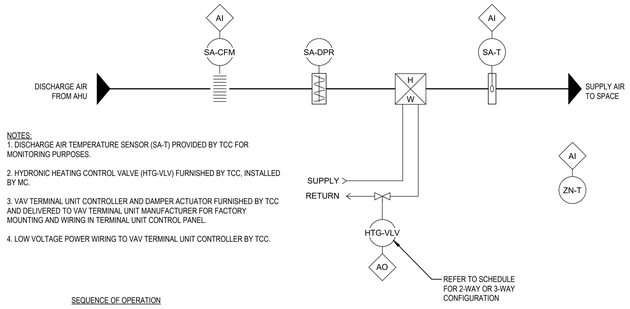
WHEN THE SPACE TEMPERATURE FALLS BELOW 65F (ADJ), AS SENSED BY LINE VOLTAGE, UNIT MOUNTED THERMOSTAT, THE PROPELLER UNIT HEATER WILL BE ENABLED. THE SUPPLY AIR FAN WILL RUN CONTINUOUSLY AT CONSTANT SPEED AND THE ELECTRIC RESISTANCE HEATING WILL STAGE ON. WHEN THE SPACE TEMPERATURE EXCEEDS 68F (ADJ), THE ELECTRIC RESISTANCE HEATING WILL STAGE OFF AND THE PROPELLER UNIT HEATER WILL BE DISABLED. IF THE SPACE TEMPERATURE FALLS BELOW 60F, AS SENSED BY A SEPARATE WALL MOUNTED ZONE TEMPERATURE SENSOR (ZN-T) ASSOCIATED WITH VAV-E107, AN ALARM SHALL BE GENERATED AT THE OPERATOR WORKSTATION. PROVIDE A GRAPHIC AT THE USER INTERFACE WITH THE FOLLOWING POINTS: ZONE TEMPERATURE.

4 ELECTRIC PROPELLAR UNIT HEATER
NOT TO SCALE



EXHAUST FAN CONTROL: THE EXHAUST FAN SHALL BE STARTED ACCORDING TO THE OWNER-DEFINED SCHEDULE. IF THE EXHAUST FAN STATUS (EF-S) DOES NOT MATCH THE COMMANDED VALUE AFTER STROKE TIME PLUS 15 SECONDS (ADJ), AN ALARM SHALL BE GENERATED. SEE ELECTRICAL DRAWINGS FOR MOTOR STARTER LOCATION INFORMATION.

3 EXHAUST FAN EF-E1, EF-C1
NOT TO SCALE



NOTES:
1. DISCHARGE AIR TEMPERATURE SENSOR (SA-T) PROVIDED BY TCC FOR MONITORING PURPOSES.

2. HYDRONIC HEATING CONTROL VALVE (HTG-VLV) FURNISHED BY TCC, INSTALLED BY MC.

3. VAV TERMINAL UNIT CONTROLLER AND DAMPER ACTUATOR FURNISHED BY TCC AND DELIVERED TO VAV TERMINAL UNIT MANUFACTURER FOR FACTORY MOUNTING AND WIRING IN TERMINAL UNIT CONTROL PANEL.

4. LOW VOLTAGE POWER WIRING TO VAV TERMINAL UNIT CONTROLLER BY TCC.

SEQUENCE OF OPERATION

OCCUPIED MODE:

IF ZONE TEMPERATURE , AS SENSED BY ZONE TEMPERATURE SENSOR (ZN-T), IS WITHIN THE DEADBAND LIMITS OF 70F-74F (ADJ), THE SUPPLY AIR DAMPER (SA-DPR) WILL BE AT MINIMUM COOLING AIRFLOW SETPOINT AS SENSED BY SUPPLY AIR AIRFLOW MEASURING STATION (SA-CFM), AND THE HYDRONIC HEATING CONTROL VALVE (HTG-VLV) IS CLOSED. IF ZONE TEMPERATURE (ZN-T) INCREASES BEYOND THE UPPER DEAD BAND LIMIT, THE SUPPLY AIR DAMPER (SA-DPR) WILL MODULATE FROM MINIMUM COOLING AIRFLOW SETPOINT TO MAXIMUM COOLING AIRFLOW SETPOINT TO SATISFY ZONE TEMPERATURE (ZN-T) SETPOINT OF 72F (ADJ). IF ZONE TEMPERATURE (ZN-T) FALLS BELOW THE LOWER DEADBAND LIMIT, THE SUPPLY AIR DAMPER (SA-DPR) WILL MODULATE FROM MAXIMUM COOLING SETPOINT TO MINIMUM COOLING SETPOINT. IF THE ZONE TEMPERATURE (ZN-T) CONTINUES TO FALL BELOW THE LOWER DEAD BAND LIMIT, THE SUPPLY AIR DAMPER (SA-DPR) WILL BE FIXED AT THE HEATING AIRFLOW SETPOINT AND THE HYDRONIC HEATING CONTROL VALVE (HTG-VLV) WILL MODULATE TO MAINTAIN ZONE TEMPERATURE SETPOINT.

UNOCCUPIED MODE:

THE UNOCCUPIED MODE SEQUENCE OF OPERATION IS THE SAME AS THE OCCUPIED MODE. THE UNOCCUPIED MODE DEADBAND LIMITS WILL BE 65F-78F (ADJ). WHEN ANY TWO VAV TERMINAL UNIT ZONES EXCEED THE UPPER DEAD BAND LIMIT OR FALL BELOW THE LOWER DEAD BAND LIMIT, AS SENSED BY THE ZONE TEMPERATURE SENSOR (ZN-T), THE ASSOCIATED AIR HANDLING UNIT WILL BE ENABLED AND OPERATE IN UNOCCUPIED MODE.

2 SINGLE DUCT VAV TERMINAL UNIT - HYDRONIC REHEAT
NOT TO SCALE

SEQUENCE OF OPERATION

RTU-E1 AND RTU-E2 ARE VARIABLE AIR VOLUME (VAV), PACKAGED ROOFTOP AIR HANDLING UNIT (RTU) WITH MIXING BOX AND FILTRATION, DIRECT EXPANSION COOLING COIL, NATURAL GAS HEATING SECTION, SUPPLY FAN AND EXHAUST FAN SERVING VAV TERMINAL UNITS FOR ZONE TEMPERATURE CONTROL.

THE DIRECT DIGITAL CONTROLS FOR THIS RTU WILL BE PROVIDED (FACTORY INSTALLED AND WIRED) BY THE RTU MANUFACTURER. THE RTU MANUFACTURER WILL LIST AND CONTROL COMPONENTS REQUIRING FIELD MOUNTING AND WIRING IN THE RTU SUBMITTAL DOCUMENTS. THE TEMPERATURE CONTROLS CONTRACTOR (TCC) WILL INSTALL FACTORY FURNISHED COMPONENTS AND LOW VOLTAGE CONTROL WIRING PER MANUFACTURER'S WRITTEN INSTRUCTIONS. THE TCC WILL FURNISH AND INSTALL ZONE TEMPERATURE SENSORS (FOR CONTROL OF TERMINAL UNITS) AND PLENUM STATIC PRESSURE SENSOR, INCLUDING LOW VOLTAGE CONTROL WIRING FOR COMMUNICATION TO THE DIRECT DIGITAL CONTROL SYSTEM. THE TCC WILL INSTALL LOW VOLTAGE WIRING FROM THE AUXILIARY CONTACTS OF THE SUPPLY AND RETURN SMOKE DETECTORS TO THE RTU CONTROLLER FOR SYSTEM SHUTDOWN OF THE RTU WHEN SMOKE DETECTORS ARE ACTIVATED.

THE RTU MANUFACTURER WILL PROVIDE A BACNET INTERFACE CARD AS REQUIRED TO INTERFACE TO THE DIRECT DIGITAL CONTROLS FRONT-END. CONTROLS STARTUP, COMMISSIONING, AND WARRANTY SUPPORT OF THE FACTORY-PROVIDED AND FACTORY-FURNISHED CONTROLS SHALL BE THE RESPONSIBILITY OF THE RTU MANUFACTURER. SUPPORT OF THE BACNET INTERFACE CARD WILL BE THE RESPONSIBILITY OF THE RTU MANUFACTURER. THE RTU MANUFACTURER WILL PROVIDE OWNER TRAINING.

SUPPLY FAN START/STOP: THE SUPPLY FAN (SF-C) WILL BE ENABLED/DISABLED ACCORDING TO THE OCCUPIED/UNOCCUPIED SCHEDULE, OR MANUALLY AS SELECTED BY THE OPERATOR. THE MINIMUM RUN TIME WILL BE 30 MINUTES (ADJ). IF THE SUPPLY FAN STATUS (SF-S) DOES NOT MATCH THE COMMANDED VALUE, AN ALARM WILL BE GENERATED AT THE USER INTERFACE. WHEN THE SUPPLY FAN STATUS INDICATES THE FAN IS ENERGIZED, THE CONTROL SEQUENCE WILL BE INITIATED.

SUPPLY FAN SPEED CONTROL: THE SUPPLY FAN SPEED (SF-0) WILL MODULATE VIA VARIABLE FREQUENCY DRIVE (VFD) TO MAINTAIN DUCT STATIC PRESSURE SETPOINT, AS SENSED BY SUPPLY AIR DUCT STATIC PRESSURE SENSOR (SA-SP), INITIALLY SET AT 1.0" WG (ADJ). THE DUCT STATIC PRESSURE SETPOINT VALUE WILL BE DETERMINED AT THE TIME OF SYSTEM BALANCING IN COORDINATION WITH THE TEST AND BALANCE CONTRACTOR.

EXHAUST FAN START/STOP: WHEN THE SUPPLY FAN IS ENERGIZED, THE EXHAUST FAN (EF-C) WILL BE ENABLED. IF THE EXHAUST FAN STATUS (EF-S) DOES NOT MATCH THE COMMANDED VALUE, AN ALARM WILL BE GENERATED AT THE USER INTERFACE.

EXHAUST FAN SPEED CONTROL: THE EXHAUST FAN SPEED (EF-O) WILL MODULATE VIA VFD TO MAINTAIN +0.05" WG (ADJ) STATIC PRESSURE WITH REFERENCE TO OUTDOOR AMBIENT CONDITIONS, AS SENSED BY PLENUM DIFFERENTIAL PRESSURE TRANSMITTER (PLE-SP).

SUPPLY AIR TEMPERATURE CONTROL: THE NATURAL GAS HEATING (HTG-C), MIXED AIR DAMPER CONTROL (OA-DPR/RA-DPR), AND DX COOLING COIL (CLG-C) WILL MODULATE IN SEQUENCE TO MAINTAIN THE DISCHARGE AIR TEMPERATURE SETPOINT OF 55F (ADJ).

ECONOMIZER CONTROL (ENTHALPY): WHEN THE OUTSIDE AIR ENTHALPY, AS DETERMINED VIA CALCULATION USING OUTSIDE AIR TEMPERATURE (OA-T) AND OUTSIDE AIR HUMIDITY (OA-H), IS BELOW THE RETURN AIR ENTHALPY, AS CALCULATED USING THE VALUES OF RETURN AIR TEMPERATURE (RA-T) AND RETURN AIR HUMIDITY (RA-H), THE ECONOMIZER MODE WILL BE ENABLED. WHEN ECONOMIZER MODE IS ENABLED, THE OUTDOOR AIR DAMPER (OA-DPR) AND RETURN AIR DAMPER (RA-DPR) WILL MODULATE IN SEQUENCE TO MAINTAIN THE DISCHARGE AIR TEMPERATURE (DA-T) SETPOINT.

SYSTEM SAFETIES: UPON ACTIVATION OF SMOKE DETECTION DEVICE (DA-SD, RA-SD), THE SUPPLY AND EXHAUST FANS SHALL BE DE-ENERGIZED VIA HARD-WIRED CONNECTION TO THE RTU CONTROLLER. AN ALARM WILL BE INITIATED AT THE USER INTERFACE.

SYSTEM SHUTDOWN: WHEN THE UNIT IS SHUTDOWN VIA MANUAL STOP COMMAND, OCCUPIED/UNOCCUPIED SCHEDULE, OR SYSTEM SAFETY COMMAND, THE UNIT WILL BE SET AS FOLLOWS:

SUPPLY FAN IS DE-ENERGIZED
EXHAUST FAN IS DE-ENERGIZED
OUTSIDE AIR DAMPER IS CLOSED
RETURN AIR DAMPER IS OPEN

POINTS LIST: THE FOLLOWING REPRESENTS THE MINIMUM POINTS TO BE PROVIDED AND DISPLAYED AT THE USER INTERFACE SYSTEM GRAPHICS. PROVIDE, AND DISPLAY AT THE USER INTERFACE, ANY ADDITIONAL POINTS NECESSARY TO ACHIEVE THE SEQUENCE OF OPERATION OF THE SYSTEM.

BINARY INPUTS
- SUPPLY FAN STATUS (SF-S)
- EXHAUST FAN STATUS (EF-S)
- SMOKE DETECTORS (SA-SD, RA-SD)

BINARY OUTPUTS
- SUPPLY FAN START/STOP (SF-C)
- EXHAUST FAN START/STOP (EF-C)

ANALOG INPUTS
- OUTSIDE AIR TEMPERATURE (OA-T)
- OUTSIDE AIR HUMIDITY (OA-H)
- MIXED AIR TEMPERATURE (MA-T)
- RETURN AIR TEMPERATURE (RA-T)
- HEATING TEMPERATURE (HTG-T)
- RETURN AIR HUMIDITY (RA-H)
- SUPPLY AIR TEMPERATURE (SA-T)
- SUPPLY AIR STATIC PRESSURE (SA-SP)
- BUILDING STATIC PRESSURE (BLD-SP)

ANALOG OUTPUTS
- SUPPLY FAN SPEED (SF-O)
- EXHAUST FAN SPEED (EF-O)
- OUTDOOR AIR DAMPER POSITION (OA-DPR, LINKED WITH RA-DPR)
- GAS HEAT OUTPUT (HTG-C)
- DX COOLING OUTPUT (CLG-C)

ANALOG/MULTI-STATE VALUES:
- DISCHARGE AIR TEMPERATURE SETPOINT
- DUCT STATIC PRESSURE SETPOINT
- BUILDING STATIC PRESSURE SETPOINT

ALARM VALUE
- OCCUPANCY MODE

CALCULATED (SHOWN ON GRAPHICS)
- OUTSIDE AND RETURN AIR ENTHALPY

1 RTU-E1 & RTU-E2
NOT TO SCALE

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REGISTERED
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STATE OF
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PROFESSIONAL ENGINEER

REVISIONS:

#	Date	Desc.
1	07-29-2026	ADDENDUM #4

100% CONSTRUCTION DOCUMENTS

PROJECT:	#23117
DATE:	07-03-2026
DRAWN BY:	CSM

TEMPERATURE CONTROLS SCHEMATICS

M-701

PLOT DATE/TIME: 7/29/2026 2:33:36 PM

GENERAL LIGHTING NOTES

A REFER TO ELECTRICAL SYMBOLS AND ABBREVIATIONS SHEET E-001 FOR ADDITIONAL INFORMATION.

B COORDINATE ALL DEVICE LOCATIONS WITH ARCHITECT AND INTERIOR DESIGNER.

C PROVIDE LABELS ON ALL EQUIPMENT MODIFIED BY THIS PROJECT. PROVIDE LABELS ON ALL JUNCTION BOXES AND CONDUITS MODIFIED OR PROVIDED BY THIS PROJECT. PROVIDE UPDATED PANELBOARD DIRECTORIES ON ALL PANELBOARDS MODIFIED BY THIS PROJECT.

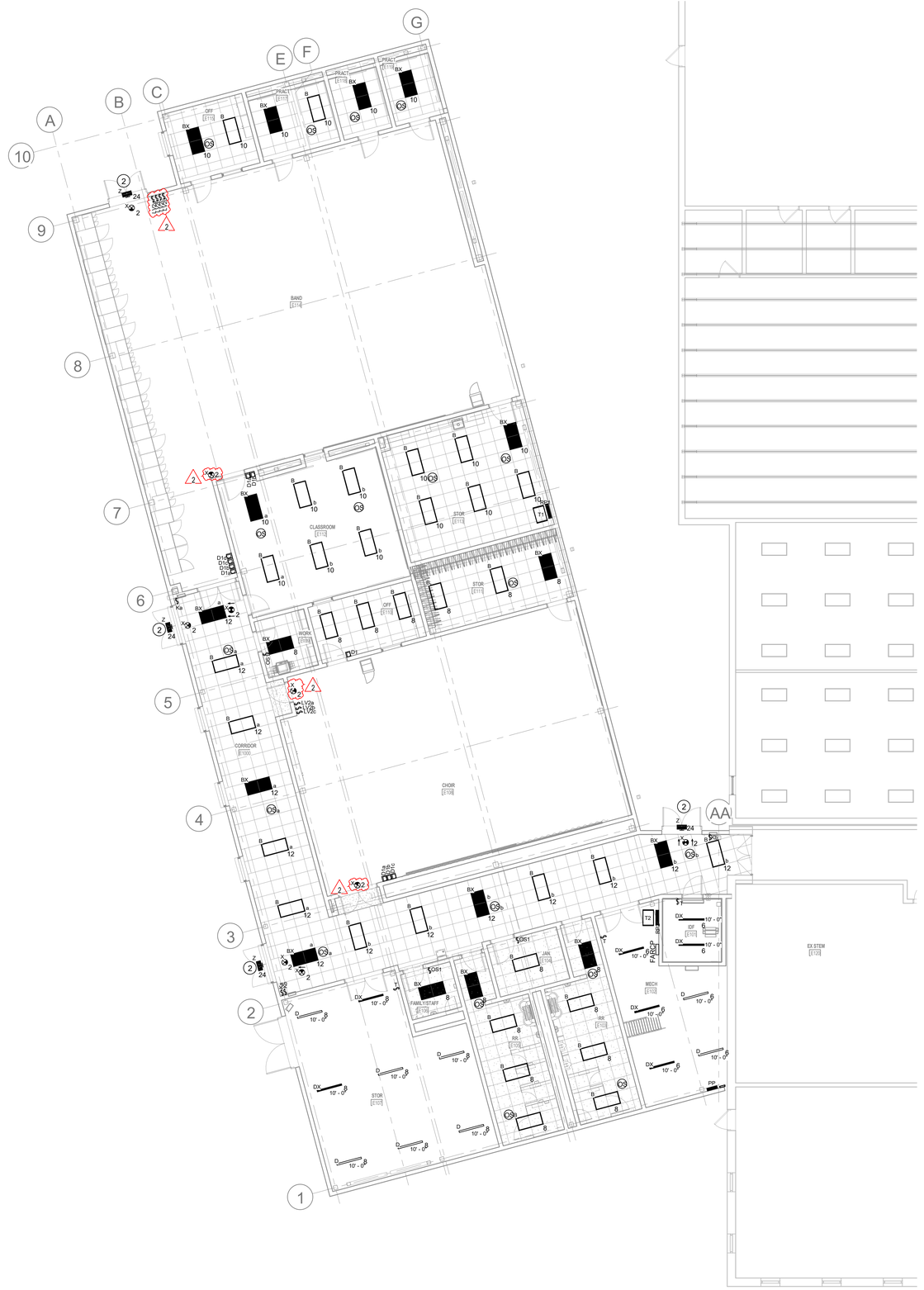
D LIGHTING CIRCUITS ON SHEETS EL102 AND EL201 ORIGINATE FROM PANELBOARD PP.

E NOT ALL PLAN NOTES ARE USED ON THIS SHEET.

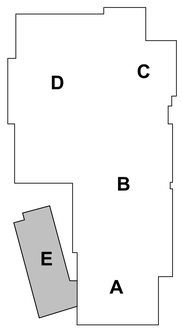
◯ LIGHTING PLAN NOTES

1 REUSE EXISTING LIGHTING CIRCUITS THAT SERVED THIS AREA. CIRCUIT GROUPS ARE INDICATED BY NUMBER LISTED ADJACENT LIGHT FIXTURE.

2 CONTROL LIGHT FIXTURE WITH EXISTING EXTERIOR LIGHTING CONTROL SYSTEM.



1 ELECTRICAL LIGHTING FIRST FLOOR PLAN - UNIT E
1/8" = 1'-0"



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DAVID L. JONES, III
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REVISIONS:

#	Date	Desc.
1	07.27.202	ADDENDUM #3
2	07.29.202	ADDENDUM #4

100% CONSTRUCTION DOCUMENTS

PROJECT #26102
DATE: 07-03-2026
DRAWN BY: JW

ELECTICAL LIGHTING FIRST FLOOR PLAN - UNIT E

EL102

PLOT DATE/TIME: 7/9/2026 11:05:55 AM

LOW-VOLTAGE DISTRIBUTION TRANSFORMERS SCHEDULE

LABEL	EQUIPMENT SERVED	EQUIPMENT RATINGS					VOLTAGE		CONNECTION		FEEDER SIZES		GROUNDING / BONDING		REMARKS
		KVA	PHASE	TYPE	MOUNT	NEMA ENCL	PRIMARY	SECONDARY	PRIMARY	SECONDARY	PRIMARY	SECONDARY	GEC	SBJ / SSBJ	
T1	RP1	75	3	DRY	SUSPENDED	2	480 V	208Y/120	DELTA	WYE	F150	F225	1#2GND, 1"C	1#2GND, 1"C	
T2	RP2	75	3	DRY	SUSPENDED	2	480 V	208Y/120	DELTA	WYE	F150	F225	1#2GND, 1"C	1#2GND, 1"C	

ENCLOSED SWITCHES & CIRCUIT BREAKERS SCHEDULE

LABEL	EQUIPMENT SERVED	EQUIPMENT RATINGS						ACCESSORIES		REMARKS
		VOLTAGE	POLES	AMPERAGE	FUSED	FUSE SIZE	NEMA ENCL	AUX. CONTACTS	SOLID NEUTRAL	
DS-1	CU-E1	240 V	2	30 A	Yes		3R	(1) N.O. / N.C.	No	
DS-2	SS-E1	240 V	2	30 A	Yes		1	(1) N.O. / N.C.	No	
DS-3	CU-C1	240 V	2	30 A	Yes		3R	(1) N.O. / N.C.	No	
DS-4	SS-C1	240 V	2	30 A	Yes		1	(1) N.O. / N.C.	No	
DS-5	CU-B1	240 V	2	30 A	Yes		3R	(1) N.O. / N.C.	No	
DS-6	SS-B1	240 V	2	30 A	Yes		1	(1) N.O. / N.C.	No	

ENCLOSED & VARIABLE-FREQUENCY MOTOR CONTROLLERS SCHEDULE

LABEL	EQUIPMENT SERVED	EQUIPMENT RATINGS					STARTER		DISCONNECT SWITCH		REMOTE CAPACITOR	REMARKS
		VOLTAGE	PHASE	HP	FLA	NEMA ENCL	TYPE	NEMA SIZE	TYPE	FUSE SIZE		
MS-1	EF-1	120 V	1	1/4	5.8 A	-	-	-	-	-	-	HORSE POWER RATED TOGGLE SWITCH WITH MOTOR OVERLOADS
MS-2	EF-C1	120 V	1	1/6	4.4 A	-	-	-	-	-	-	HORSE POWER RATED TOGGLE SWITCH WITH MOTOR OVERLOADS

GENERAL LIGHT FIXTURE SCHEDULE NOTES

A REFER TO ELECTRICAL SYMBOLS AND ABBREVIATIONS SHEET E-001 FOR ADDITIONAL INFORMATION.

B PROVIDE VIBRATION DAMPERS FOR ALL ALUMINUM AND STEEL POLES 10'-0" AND ABOVE.

C PROVIDE SELF-DIAGNOSTICS AND SELF-TESTING FOR ALL LIFE SAFETY FIXTURES (EXIT FIXTURES, WALL PACKS, INVERTERS BALLASTS, ETC.)

D PROVIDE 0-10V ELECTRONIC DIMMING DRIVER DOWN TO 10% UNLESS OTHERWISE NOTED.

E PROVIDE A MINIMUM OF ONE CLIP PER SIDE UP TO 4' AND CABLE SUPPORTS FOR EACH LIGHT FIXTURE.

F REFER TO ARCHITECTURAL PLANS FOR CEILING TYPE.

G SUBMITT LIGHTING PER APPROPRIATE SPECIFICATION SECTION.

INTERIOR/EXTERIOR/EMERGENCY & EXIT LIGHT FIXTURES SCHEDULE

LABEL	DESCRIPTION	VOLTAGE	SOURCE				MOUNTING	LENS/REFLECTOR	CERTIFICATIONS	ACCEPTABLE MANUFACTURERS	LABEL
			TYPE	LUMENS	WATTS	CCT					
	LED WALL LIGHT. DIE-CAST ALUMINUM HOUSING. HINGED DOOR FRAME. DARK BRONZE FINISH. U.L. LISTED FOR WET LOCATIONS.	120/277 V	LED	1200	15 W	5000 K 80 CRI	WALL MOUNTED		N/A	MCGRAW-EDISON ISS SPAULDING QSP LITHONIA WSQ	
A	2X4 LED FLAT PANEL. 0-10V DIMMING DOWN TO 10%	120/277 V	LED	6091	42 W	5000 K 80 CRI	RECESSED	WHITE FROST ACRYLIC	DLC	METALUX 24FP COLUMBIA CFP24 LITHONIA CPX 24 DAY-BRITE LIGHTING 2SBP SERIES	A
AX	2X4 LED FLAT PANEL. 0-10V DIMMING DOWN TO 10%.90 MINUTE BATTERY PACK WITH SELF TESTING AND SELF DIAGNOSTICS AND REMOTE INDICATORS	120/277 V	LED	6091	42 W	5000 K 80 CRI	RECESSED	WHITE FROST ACRYLIC	DLC	METALUX 24FP COLUMBIA CFP24 LITHONIA CPX 24 DAY-BRITE LIGHTING 2SBP SERIES	AX
B	2X4 LED FLAT PANEL. 0-10V DIMMING DOWN TO 10%	120/277 V	LED	5193	40 W	5000 K 80 CRI	RECESSED	WHITE FROST ACRYLIC	DLC	METALUX 24FP COLUMBIA CFP24 LITHONIA CPX 24 DAY-BRITE LIGHTING 2SBP SERIES	B
BX	2X4 LED FLAT PANEL. 0-10V DIMMING DOWN TO 10%. 90 MINUTE BATTERY PACK WITH SELF TESTING AND SELF DIAGNOSTICS AND REMOTE INDICATORS	120/277 V	LED	5193	40 W	5000 K 80 CRI	RECESSED	WHITE FROST ACRYLIC	DLC	METALUX 24FP DAY-BRITE LIGHTING 2SBP SERIES COLUMBIA CFP24 LITHONIA CPX 24	BX
C	1X4 LED FLAT PANEL. 0-10V DIMMING DOWN TO 10%	120/277 V	LED	3734	30 W	5000 K 80 CRI	RECESSED	WHITE FROST ACRYLIC	DLC	METALUX 24FP COLUMBIA CFP24 LITHONIA CPX 24 DAY-BRITE LIGHTING 1SBP SERIES	C
CX	1X4 LED FLAT PANEL. 0-10V DIMMING DOWN TO 10%. 90 MINUTE BATTERY PACK WITH SELF TESTING AND SELF DIAGNOSTICS AND REMOTE INDICATORS	120/277 V	LED	3734	30 W	5000 K 80 CRI	RECESSED	WHITE FROST ACRYLIC	DLC	METALUX 24FP COLUMBIA CFP24 LITHONIA CPX 24 DAY-BRITE LIGHTING 1SBP SERIES	CX
D	48" LENSED STRIP LIGHT, 0-10V DIMMING DOWN TO 10%, WHITE FINISH,	120/277 V	LED	5076	35 W	5000 K 80 CRI	CABLE MOUNTED TO STRUCTURE	DIFFUSE ACRYLIC LENS WITH ENDCAPS	DLC	METALUX LIGHTING SNLED SERIES COLUMBIA LIGHTING SNLED SERIES LITHONIA LIGHTING CSS SERIES DAY-BRITE LIGHTING FSS SERIES	D
DX	48" LENSED STRIP LIGHT, 0-10V DIMMING DOWN TO 10%, WHITE FINISH, 90 MINUTE BATTERY PACK WITH SELF TESTING AND SELF DIAGNOSTICS AND REMOTE INDICATORS	120/277 V	LED	5076	35 W	5000 K 80 CRI	CABLE MOUNTED TO STRUCTURE	DIFFUSE ACRYLIC LENS WITH ENDCAPS	DLC	METALUX LIGHTING SNLED SERIES COLUMBIA LIGHTING SNLED SERIES LITHONIA LIGHTING CSS SERIES DAY-BRITE LIGHTING FSS SERIES	DX
S	6" ROUND DOWNLIGHT, VERTICAL ADJUSTABLE, UP TO 24" JOIST SPACING, 1-1/2" MAXIMUM CEILING THICKNESS, 1.0 SURFACE TO MOUNTING HEIGHT RATIO, 55 DEGREE CUTOFF TO SOURCE, SELF-FLANGED SEMI SPECULAR REFLECTOR, TRIM, 0-10V DIMMING DOWN TO 10%, WET LOCATION LISTED UNDER COVERED CEILING, IP55 RATED, DEAD FRONT	120/277 V	LED	758.1	9 W	5000 K 80 CRI	RECESSED	DIFFUSE LENS	N/A	HALO LIGHTING HC6 SERIES PRESCOLITE LIGHTING LFCR-6RD-N SERIES LITHONIA LIGHTING LDN6 SERIES LIGHTOILER LIGHTING M6R SERIES	S
X	LED EXIT LIGHT, WHITE ACRYLIC HOUSING, FACE AND ARROWS PER PLANS. STENCIL FACE, RED/GREEN LETTERS. 90 MINUTE BATTERY PACK WITH SELF TESTING AND SELF DIAGNOSTICS AND REMOTE INDICATORS	120/277 V	LED	N/A	3 W	N/A	UNIVERSAL	N/A	N/A	SURE-LITES APX DUAL-LITE EVE CHLORIDE LIGHTING 55 SERIES LITHONIA LQM	X
Z	LED WALL LIGHT. DIE-CAST ALUMINUM HOUSING. HINGED DOOR FRAME. DARK BRONZE FINISH. U.L. LISTED FOR WET LOCATIONS.	120/277 V	LED	4504	15 W	5000 K 80 CRI	WALL MOUNTED		N/A	MCGRAW-EDISON ISS SPAULDING QSP LITHONIA WSQ UTOPIA LIGHTING WML SERIES	Z

1

PLOT DATE/TIME:10/9/2026 10:05:01 AM

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DAVID L. JONES III
REGISTERED
NO.
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STATE OF
INDIANA
PROFESSIONAL ENGINEER

REVISIONS:

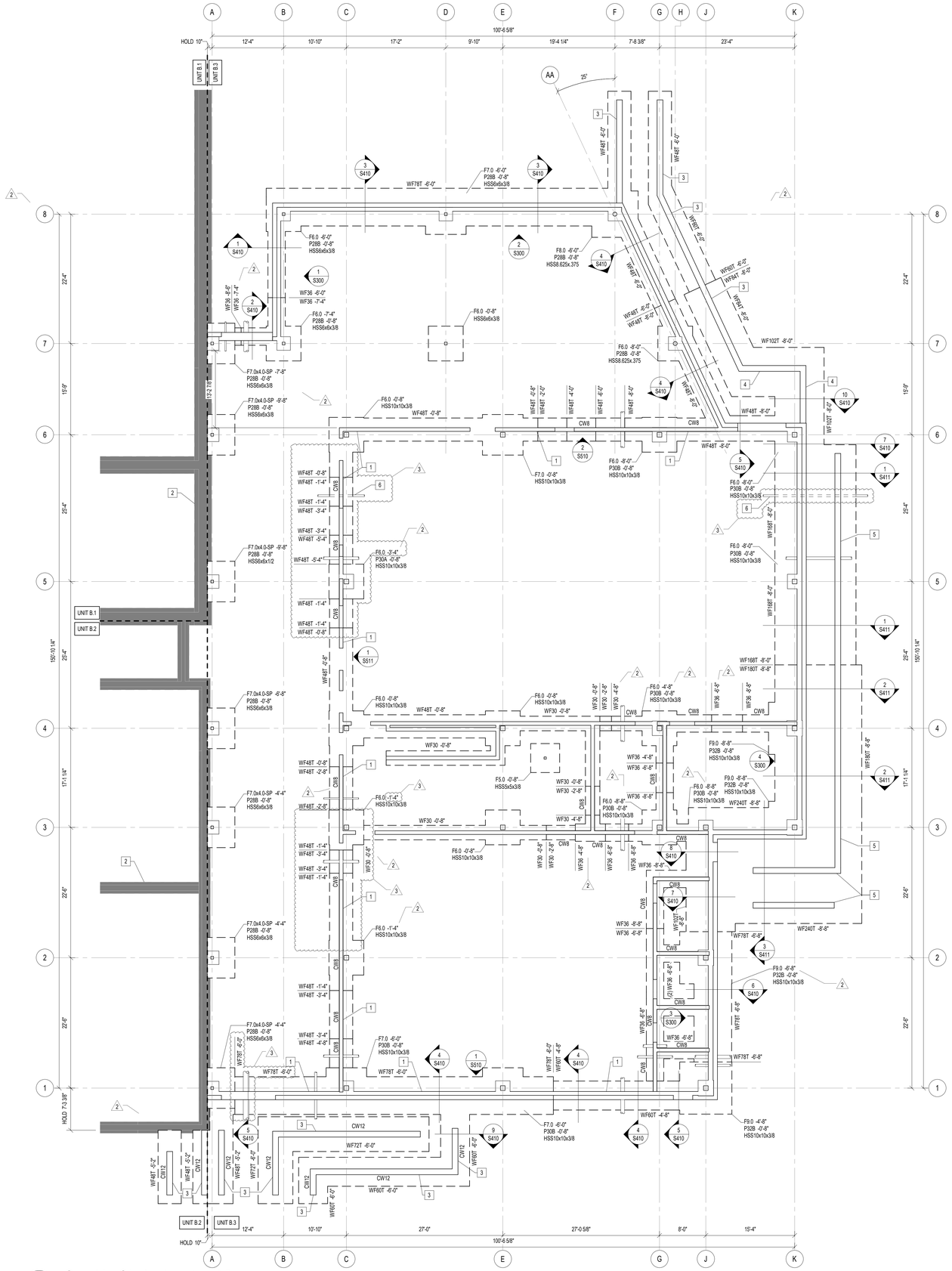
#	Date	Desc.
1	07.29.202 6	ADDENDUM #4

100% CONSTRUCTION DOCUMENTS

PROJECT #26102
DATE: 07-03-2026
DRAWN BY BJW

ELECTRICAL SCHEDULES

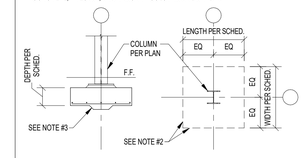
E-601



2 S100B.3 FOUNDATION PLAN - UNIT B.3
SCALE: 1/8" = 1'-0"

COLUMN FOOTING SCHEDULE

NOTES:
1. CENTER FOOTINGS BENEATH COLUMNS, U.N.O. ON PLAN
2. FOOTINGS MAY BE CAST DIRECTLY AGAINST SOIL WITHOUT FORMING. WHERE SOIL CONDITIONS PERMIT. THE ON-SITE GEOTECHNICAL TESTING AGENCY SHALL CONFIRM THAT SOIL CONDITIONS ARE ACCEPTABLE. IF FOOTINGS ARE BANK POURED, THE FOOTING LENGTH AND WIDTH SHALL BE INCREASED BY 2" ON EACH SIDE. FOR EXAMPLE, A 5'-0"x5'-0" FOOTING SHALL BE 5'-4"x5'-4". THE REINFORCING IN THE SCHEDULE DOES NOT NEED TO INCREASE BY THIS AMOUNT. FORM TOP OF FOOTINGS WHERE SOIL HAS SLOUGHED SIGNIFICANTLY. OTHERWISE FOOTINGS SHALL BE BOARD FORMED.
3. INCREASE FOOTING DEPTH WHERE REQUIRED TO ENCASE COLUMN ANCHOR RODS. THIS SHALL BE LOCALLY AT THE ANCHOR RODS AND NOT FOR THE ENTIRE FOOTPRINT OF THE FOOTING.
4. WIDE FLANGE STEEL COLUMN IS SHOWN BELOW. OTHER COLUMNS, I.E. HSS, CONCRETE, PRECAST, AND MASONRY COLUMNS ARE SIMILAR.



FTG. MARK	LENGTH	WIDTH	THICK	REINF. EACH WAY
F5.0	5'-0"	5'-0"	1'-2"	(5) #5 x 4'-6"
F6.0	6'-0"	6'-0"	1'-2"	(7) #5 x 5'-6" TOP AND BOTTOM w/ 180 DEG HOOKS
F7.0	7'-0"	7'-0"	1'-4"	(8) #6 x 6'-6" TOP AND BOTTOM w/ 180 DEG HOOKS
F7.0x4.0-SP	7'-0"	4'-8"	2'-0"	(4) #5 x 6'-6" & (7) #5 x 5'-1" MIN TOP & BOTTOM
F8.0	8'-0"	8'-0"	1'-6"	(9) #6 x 7'-6"TOP AND BOTTOM w/ 180 DEG HOOKS
F9.0	9'-0"	9'-0"	1'-8"	(10) #7 x 8'-6" TOP AND BOTTOM w/ 180 DEG HOOKS

WALL FOOTING SCHEDULE

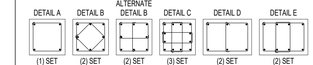
NOTES:
1. CENTER FOOTINGS BENEATH WALLS, U.N.O.
2. RETAINING WALL FOOTING, DENOTED WITH THE PREFIX RWF, WILL SHOW THE HEEL DIMENSION OF THE FOOTING ON PLAN OR ON SECTION.
3. FOOTINGS MAY BE CAST DIRECTLY AGAINST SOIL WITHOUT FORMING. WHERE SOIL CONDITIONS PERMIT. THE ON-SITE GEOTECHNICAL TESTING AGENCY SHALL CONFIRM THAT SOIL CONDITIONS ARE ACCEPTABLE. IF FOOTINGS ARE BANK POURED, THE FOOTING WIDTH SHALL BE INCREASED BY 2" ON EACH SIDE. FOR EXAMPLE, A 30" WIDE FOOTING SHALL BE 34", THE REINFORCING IN THE SCHEDULE DOES NOT NEED TO INCREASE BY THIS AMOUNT. FORM TOP OF FOOTINGS WHERE SOIL HAS SLOUGHED SIGNIFICANTLY. OTHERWISE FOOTINGS SHALL BE BOARD FORMED.
4. FOR FOOTING MARKS THAT END WITH A "T", PROVIDE REINFORCING IN SCHEDULE TO TOP AND BOTTOM OF FOOTING.
5. ALL WALLS MUST BE BACKFILLED EVENLY ON BOTH SIDES FULL HEIGHT. WHERE WALLS ARE RETAINING, BACKFILL BOTH SIDES EVENLY UP TO FINAL GRADE OF THE LOW SIDE BEFORE BACKFILLING RETAINING SIDE FULL HEIGHT.

FTG. MARK	WIDTH	THICK	CONT. REINF.	TRANS. REINF.
WF30	2'-6"	1'-2"	(3) - #5	#4 x 2'-0" @ 96" o.c.
WF36	3'-0"	1'-2"	(3) - #5	#4 x 2'-0" @ 96" o.c.
WF48T	4'-0"	1'-2"	(4) - #5	#5 x 3'-6" @ 9" o.c.
WF60T	5'-0"	1'-2"	(5) - #6	#6 x 4'-6" @ 12" o.c.
WF72T	6'-0"	1'-2"	(7) - #6	#6 x 5'-6" @ 12" o.c.
WF78T	6'-6"	1'-2"	(8) - #6	#6 x 6'-0" @ 12" o.c.
WF84T	7'-0"	1'-2"	(8) - #6	#6 x 6'-6" @ 12" o.c.
WF102T	8'-6"	1'-2"	(9) - #6	#6 x 8'-0" @ 12" o.c.
WF168T	14'-0"	1'-2"	(15) - #6	#6 x 13'-6" @ 12" o.c.
WF180T	15'-0"	1'-2"	(16) - #6	#6 x 14'-6" @ 12" o.c.
WF240T	20'-0"	1'-2"	(21) - #6	#6 x 19'-6" @ 12" o.c.

PIER SCHEDULE

NOTES:
1. PROVIDE MINIMUM 1-1/2" CLEAR TO PIER TIES.
2. REFER TO FOUNDATION PLAN(S) FOR TOP OF PIER & TOP OF FOOTING ELEVATIONS.
3. TYPICAL TIE SPACING, UNLESS NOTED OTHERWISE
4. REFER TO CONCRETE PIER REINFORCING TYPICAL DETAIL FOR TIE SPACING INFORMATION AT THE TOP AND BOTTOM OF PIER AND AROUND ANCHOR RODS.
5. PIER DOWELS ARE TO FUNCTION AS PIER VERTICAL REINFORCING FOR PIERS LESS THAN OR EQUAL TO 5'-0" OF HEIGHT. PROVIDE SEPARATE DOWELS & VERTICALS FOR PIERS GREATER THAN OR EQUAL TO 5'-0" OF HEIGHT.
6. CONTACT SEOR FOR DIRECTION IF COLUMN ANCHOR RODS FOUL WITH PIER TIES OR VERTICALS.
7. MINIMUM HEIGHT OF PIERS: #6 VERTICALS = 2'-0", #7 VERTICALS = 2'-8". IF THIS CONTRADICTS WHAT IS SHOWN ON THE PLAN, CONTACT SEOR FOR DIRECTION.

PIER TIE DETAILS:



PIER MARK	LENGTH	WIDTH	VERT. REINF.	TIE REINF.	TIE DETAIL
P28B	28"	28"	(4)-#9	#4 @ 12" o.c.	A
P30A	30"	30"	(8)-#7	#4 @ 12" o.c.	B
P30B	30"	30"	(4)-#10	#4 @ 12" o.c.	A
P32B	32"	32"	(8)-#8	#4 @ 12" o.c.	B

CIP CONCRETE WALL SCHEDULE

NOTES:
1. PROVIDE VERTICAL DOWELS INTO FOOTING TO MATCH SIZE AND SPACING OF VERTICAL REINFORCING OF WALL w/ STD. HOOK.

WALL MARK	TOTAL THICKNESS	WALL REINF.	BRICK LEDGE REINF.
CW8	8"	#5 @ 12" o.c. E.W.	-
CW12	12"	#6 @ 12" o.c. EACH FACE, E.W.	-
8" + 9" BRICK LEDGE	17"	#6 @ 12" o.c. E.W.	#5 @ 12" o.c. E.W.
10" + 9" BRICK LEDGE	19"	#6 @ 12" o.c. EACH FACE, E.W.	#5 @ 12" o.c. E.W.

FOUNDATION AND SLAB PLAN NOTES

1. REFER TO S000 SERIES FOR STRUCTURAL NOTES, DESIGN DATA & SCHEDULES.
2. REFER TO S400 SERIES FOR TYPICAL FOUNDATION DETAILS.
3. REFER TO S500 FOR TYPICAL MASONRY DETAILS.
4. ALL CONTRACTORS ARE REQUIRED TO COORDINATE THEIR WORK WITH ALL DISCIPLINES TO AVOID CONFLICTS. THE OTHER DISCIPLINES' ASPECTS ARE NOT IN THE SCOPE OF THESE DRAWINGS. THEREFORE, ALL REQUIRED MATERIALS AND WORK MAY NOT BE INDICATED.
5. ALL EXISTING CONSTRUCTION SHOWN IN PLAN AND SECTION WAS DERIVED FROM EXISTING DRAWINGS AND MUST BE FIELD VERIFIED. IF ANY DISCREPANCIES ARE DISCOVERED BETWEEN THE INFORMATION SHOWN ON THE DRAWINGS AND ACTUAL CONDITIONS, IMMEDIATELY CONTACT ARCHITECT/ENGINEER FOR DIRECTION BEFORE PROCEEDING WITH THE WORK.
6. ALL ELEVATIONS ARE REFERENCED FROM THE FIRST FLOOR FINISH FLOOR ELEVATION 0'-0". REFER TO CIVIL DWGS FOR U.S.G.S. ELEVATION.
7. REFER TO ARCHITECTURAL DRAWINGS FOR ALL DIMENSIONS NOT SHOWN. CONTRACTOR SHALL VERIFY ALL DIMENSIONS PRIOR TO CONSTRUCTION AND IMMEDIATELY NOTIFY ARCHITECT/ENGINEER OF ANY DISCREPANCIES.
8. COORDINATE EXACT SIZE & LOCATION OF ALL OPENINGS IN FOUNDATION WALLS WITH THE APPROPRIATE CONTRACTOR
9. ALL FOOTINGS SHALL BE LOWERED TO PASS BELOW UNDERGROUND UTILITIES, E.G. SANITARY, STORM, WATER, CONDUIT BANKS, ETC. THESE LINES HAVE BEEN SHOWN IN THE APPROXIMATE LOCATIONS ON THE CONTRACT DOCUMENTS AND NEED TO BE COORDINATED BY THE APPROPRIATE CONTRACTORS. PROVIDE FOOTING STEPS AS REQUIRED PER THE TYPICAL FOUNDATION STEP DETAIL. IF FOOTINGS ARE TO BE STEPPED DIFFERENTLY THAN WHAT IS SHOWN ON THESE PLANS, THEY SHOULD BE SUBMITTED TO THE ENGINEER TO REVIEW AFTER CONTRACTOR COORDINATION.
10. ALL FOOTINGS SHALL BE LOWERED TO PASS BELOW EXISTING AND TEMPORARY UNDERGROUND UTILITIES, E.G. SANITARY, STORM, WATER, CONDUIT BANKS, ETC. THESE LINES HAVE BEEN SHOWN IN THE APPROXIMATE LOCATIONS ON THE CONTRACT DOCUMENTS AND NEED TO BE COORDINATED BY THE APPROPRIATE CONTRACTORS. NOT ALL EXISTING LINES MAY BE SHOWN. PROVIDE FOOTING STEPS AS REQUIRED PER THE TYPICAL FOUNDATION STEP DETAIL. IF FOOTINGS ARE TO BE STEPPED DIFFERENTLY THAN WHAT IS SHOWN ON THESE PLANS, THEY SHOULD BE SUBMITTED TO THE ENGINEER TO REVIEW AFTER CONTRACTOR COORDINATION.
11. ALL FOOTINGS SHALL BEAR ON APPROVED SOIL. UNDERCUT AS REQUIRED TO SUITABLE BEARING MATERIAL AS DETERMINED BY THE ONSITE GEOTECHNICAL TESTING AGENCY AND REFER TO THE TYPICAL OVEREXCAVATION DETAILS FOR SOILS THAT ARE UNSUITABLE.
12. COLUMN FOOTINGS SUPPORTING MORE THAN ONE COLUMN SHALL BE CENTERED AT THE MIDPOINT BETWEEN THE COLUMNS, UNLESS NOTED OTHERWISE ON PLAN.
13. WHERE PIERS OCCUR WITHIN A LARGER ARCHITECTURAL PILASTER OR COLUMN ENCLOSURE (E.G. P24 WITHIN 40" SQUARE CANOPY PILASTERS) PROVIDE PIER REINFORCING CAGE CENTERED ON THE GRID INTERSECTION. FORM OVERALL PIER TO PROFILE OF THE ARCHITECTURAL PILASTER OR COLUMN ENCLOSURE. LAYOUT PILASTERS FROM DIMENSIONS ON THE ARCHITECTURAL PLANS & DETAILS.
14. FOR ARCHITECTURAL PILASTERS NOT SUPPORTING STEEL COLUMNS, CONSTRUCT AS A FULLY GROUTED MASONRY PIER OR CAST-IN-PLACE CONCRETE PIER REINFORCED WITH #5 VERTICAL REINFORCING AT 12" O.C. ALL FACES, AT CONTRACTOR'S OPTION
15. COORDINATE REINFORCING DOWELS FOR CMU VERTICAL REINFORCING WITH REINFORCING NOTED ON PLANS & SECTIONS.
16. GROUT ALL CORES OF CMU BELOW FINISH FLOOR SOLID.
17. ALL SLAB RECESSES SHALL BE LOCATED PER THE ARCHITECTURAL DRAWINGS. COORDINATE DEPTHS OF ALL SLAB RECESSES WITH THE ARCHITECTURAL DRAWINGS AND THE FLOORING SUPPLIER.
18. PROVIDE THICKENED SLAB UNDER ALL INTERIOR CMU WALLS WITHOUT FOOTINGS. REFER TO THE TYPICAL THICKENED SLAB DETAIL. LAY OUT THICKENED SLABS FROM DIMENSIONS ON THE ARCHITECTURAL FLOOR PLANS.
19. PROVIDE CONTROL/CONTRACTION JOINTS IN SLABS ON GRADE. REFER TO THE TYPICAL SLAB CONTROL/CONTRACTION JOINT DETAIL AND THE SLAB-ON-GRADE SCHEDULE.
20. PLAN LEGEND:

F.F. — DENOTES FINISH FLOOR.

T/X' — DENOTES TOP OF FOUNDATION ELEMENT. (FOOTING, PIER, SLAB, ETC.)

WF30 -2'-8" — DENOTES WALL FOOTING MARK AND TOP OF FOOTING ELEVATION. REFER TO WALL FOOTING SCHEDULE.

S4 / T/SLAB = 0'-0" — DENOTES CAST-IN-PLACE CONCRETE SLAB-ON-GRADE MARK AND TOP OF SLAB ELEVATION. REFER TO SLAB-ON-GRADE SCHEDULE.

DENOTES UTILITY TO PASS OVER TOP FOOTING AND SLEEVE THROUGH PERIMETER FOUNDATION WALL. COORDINATE EXACT LOCATION WITH THE APPROPRIATE CONTRACTORS AND STEP FOOTINGS AS NEEDED.

DENOTES WALL FOOTING WITH STEPS. REFER TO TYPICAL FOOTING STEP DETAIL.

FOOTING STEP

F5.0 -2'-8" P24A -0'-8" HSS6x6x3/8 — DENOTES CONCRETE COLUMN FOOTING MARK AND TOP OF FOOTING ELEVATION. SEE COLUMN FOOTING SCHEDULE.

DENOTES CONCRETE PIER MARK AND TOP OF PIER ELEVATION. SEE PIER SCHEDULE.

DENOTES STEEL COLUMN SIZE. REFER TO FRAMING PLANS FOR STUB COLUMNS NOT SHOWN ON FOUNDATIONS.

1 FOUNDATION PLAN KEY NOTES

KEYNOTE NUMBER	KEYNOTE DESCRIPTION
1	8" CMU SHEAR WALL. PROVIDE REINFORCING PER SHEAR WALL ELEVATIONS. REFER TO DETAILS ON S500 FOR ADDITIONAL REINFORCING REQUIREMENTS.
2	SHADED AREA DENOTES EXISTING FOUNDATIONS. FIELD VERIFY EXTENTS AS NEEDED.
3	CIP CONCRETE SITE RETAINING WALL AND FOOTING. SEE SECTION 9/S410. SEE CIVIL DWGS. FOR T/WALL, SITE SLAB, AND GRADE ELEVATIONS. WALL LAYOUT DIMENIONS AND HANDRAIL INFORMATION.
4	CIP CONCRETE SITE RETAINING WALL AND FOOTING. SEE SECTION 10/S410. SEE CIVIL DWGS. FOR T/WALL, SITE SLAB, AND GRADE ELEVATIONS. WALL LAYOUT DIMENIONS AND HANDRAIL INFORMATION.
5	CIP CONCRETE SITE RETAINING WALL AND FOOTING. SEE SECTIONS ON S411. SEE CIVIL DWGS. FOR T/WALL, SITE SLAB, AND GRADE ELEVATIONS. WALL LAYOUT DIMENIONS AND HANDRAIL INFORMATION.
6	DEEP EXISTING UTILITY TO BE SLEEVED UNDER NEW WALL FOOTING PER TYPICAL DETAIL 16 ON S400.

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145 NORTH EAST STREET
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RICHLAND-BEAN BLOSSOM CSC
ADDITION/RENOVATION TO EDGEWOOD HS
601 EDGEWOOD DR,
ELLETTSVILLE, IN 47429

DANIEL JACK LENTES REGISTERED No. PE12300430 STATE OF INDIANA PROFESSIONAL ENGINEER
JULY 03, 2026

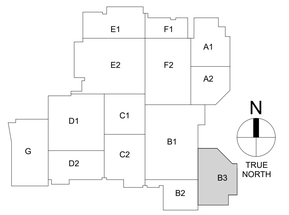
REVISIONS:

#	Date	Desc.
2	07-27-2026	ADD#03
3	07-30-2026	ADD#04

100% CONSTRUCTION DOCUMENTS

PROJECT:	#26102
DATE:	07/03/2026
DRAWN BY:	JDO

FOUNDATION PLAN - UNIT B.3



S100B.3

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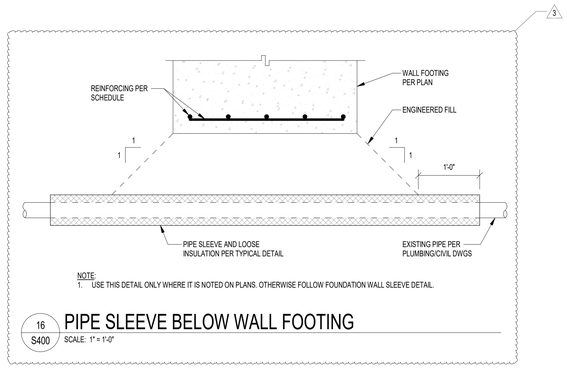
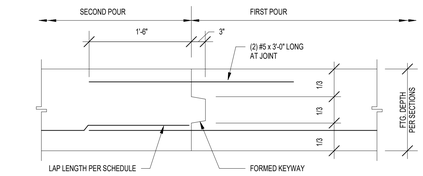
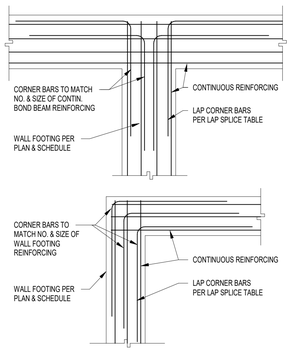


NOTE:
1. USE THIS DETAIL ONLY WHERE IT IS NOTED ON PLANS. OTHERWISE FOLLOW FOUNDATION WALL SLEEVE DETAIL.

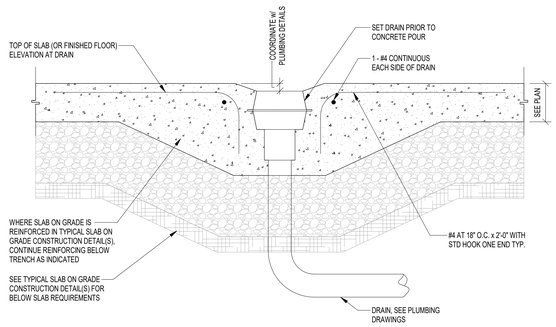
16 S400 PIPE SLEEVE BELOW WALL FOOTING
SCALE: 1" = 1'-0"



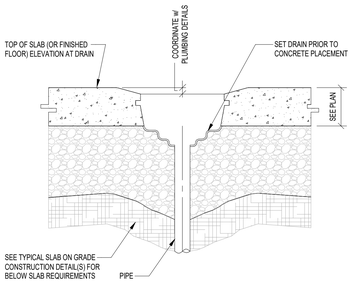
11 S400 WALL FOOTING CONSTRUCTION JOINT
SCALE: N.T.S.



7 S400 WALL FOOTING INTERSECTION DETAILS
SCALE: N.T.S.



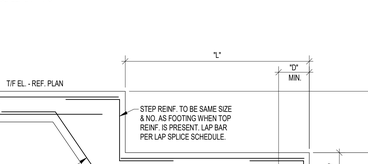
TYPICAL FLOOR TRENCH DRAIN



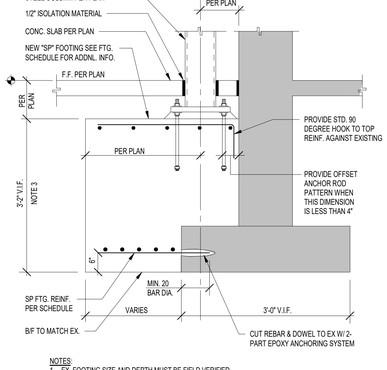
TYPICAL FLOOR DRAIN

3 S400 TYPICAL FLOOR AND TRENCH DRAIN
SCALE: N.T.S.

2

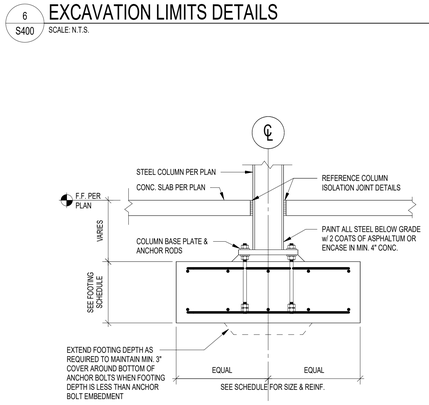


15 S400 MECHANICAL EQUIPMENT PAD
SCALE: 1" = 1'-0"

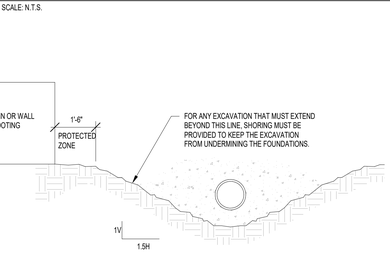


NOTES:
1. EX. FOOTING SIZE AND DEPTH MUST BE FIELD VERIFIED.
2. CONT. WALL FOOTING REINF. HIDDEN FOR CLARITY.
3. WHEN COLUMN IS SUPPORTED ON PIER ABOVE SP FOOTING, SEE FOOTING SCHEDULE FOR FOOTING THICKNESS. B/SP FOOTING TO MATCH B/ EXISTING FOOTING.

10 S400 SP FOOTING - NEW-TO-EX. COLUMN FOOTING
SCALE: N.T.S.

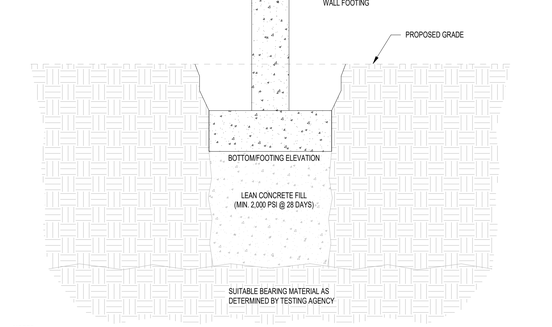


5 S400 TYPICAL INTERIOR COLUMN FOOTING
SCALE: N.T.S.



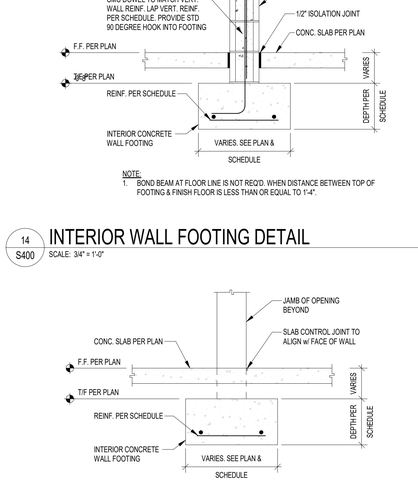
NOTE:
1. ANY SHORING SCHEME REQUIRED MUST BE SUBMITTED TO THE ENGINEER FOR REVIEW, PRIOR TO EXCAVATION.
2. REFER TO M.E.P. DRAWINGS & SPECIFICATIONS FOR INFO. RELATING TO TRENCH EXCAVATION, BEDDING, AND BACKFILL

6 S400 EXCAVATION LIMITS DETAILS
SCALE: N.T.S.

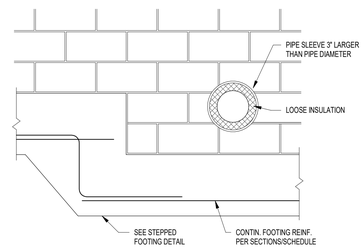


NOTES:
1. REFER TO THE SPECIFICATIONS FOR APPLICATION OF UNIT COSTS FOR REMOVAL OF UNSUITABLE BEARING MATERIAL & REPLACEMENT W/ LEAN CONCRETE FILL.
2. REFER TO THE GEOTECHNICAL ENGINEERING REPORT FOR ADDITIONAL INFORMATION RE: EXPECTED SOIL CONDITIONS, SUITABILITY OF EX. SOILS FOR USE AS ENGINEERED FILL, GROUNDWATER CONDITIONS, ETC.
3. MAX. DEPTH OF UNSHEATHED/UNSHORED EXCAVATION TO CONFORM W/ THE APPLICABLE REQUIREMENTS OF OSHA AND/OR STATE & LOCAL CODES

2 S400 OVEREXCAVATION DETAIL - LEAN CONCRETE FILL
SCALE: N.T.S.

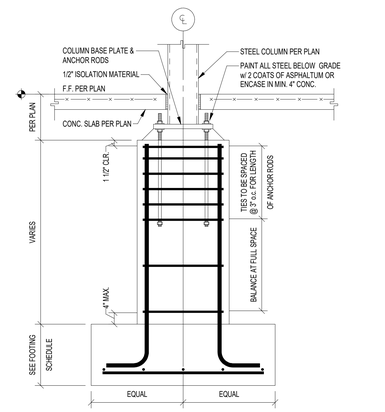


14 S400 INTERIOR WALL FOOTING DETAIL
SCALE: 3/4" = 1'-0"



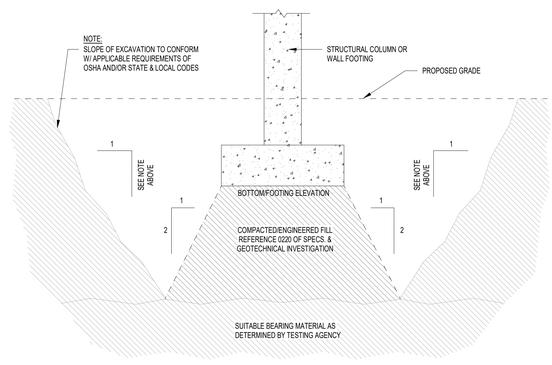
NOTES:
1. REFER TO PLUMBING DRAWINGS FOR INVERT ELEVATOIN OF ALL UNDERGROUND PIPING.
2. STEP FOOTING FOR PIPE PENETRATION THROUGH FOUNDATION WALL UNLESS WRITTEN PERMISSION IS OBTAINED FROM THE MEP ENGINEER.
3. PROVIDE PRECAST OR BOND BEAM LINTEL FOR MULTIPLE PENETRATIONS OR OPENINGS GREATER THAN 24" IN WIDTH.

9 S400 CMU FOUNDATION WALL PIPE SLEEVE DETAIL
SCALE: N.T.S.



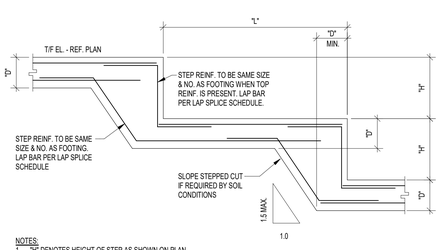
NOTES:
1. REF. TO PIER SCHEDULE FOR SIZE, REINFORCING, AND TIE SPACING.
2. REF. TO FOOTING SCHEDULE FOR SIZE & REINFORCING.

4 S400 TYPICAL CONCRETE PIER REINFORCING
SCALE: N.T.S.



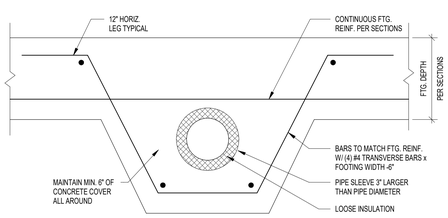
NOTES:
1. REFER TO THE SPECIFICATIONS FOR APPLICATION OF UNIT COSTS FOR REMOVAL OF UNSUITABLE BEARING MATERIAL & REPLACEMENT W/ COMPACTED. ENGINEERED FILL
2. REFER TO THE GEOTECHNICAL ENGINEERING REPORT FOR ADDITIONAL INFORMATION RE: EXPECTED SOIL CONDITIONS, SUITABILITY OF EX. SOILS FOR USE AS ENGINEERED FILL, GROUNDWATER CONDITIONS, ETC.

1 S400 OVEREXCAVATION DETAIL - ENGINEERED FILL
SCALE: N.T.S.



NOTES:
1. "H" DENOTES HEIGHT OF STEP AS SHOWN ON PLAN.
2. "L" DENOTES LENGTH BETWEEN STEPS. LAYOUT TO MAINTAIN SLOPE OF 1 VERTICAL TO 2 HORIZONTAL UNLESS NOTED OTHERWISE.
3. "D" DENOTES FOOTING DEPTH, REFER TO PLANS, SECTIONS & SCHEDULES.

12 S400 STEPPED FOOTING DETAIL
SCALE: N.T.S.



NOTES:
1. REFER TO PLUMBING DRAWINGS FOR INVERT ELEVATION OF ALL UNDERGROUND PIPING.
2. PROVIDE THIS DETAIL WHERE A PENETRATION THROUGH A WALL FOOTING IS UNAVOIDABLE.
3. NO SLEEVES IN COLUMN FOOTINGS ARE PERMITTED WITHOUT PRIOR WRITTEN APPROVAL OF THE ARCHITECT/ENGINEER.

8 S400 WALL FOOTING SLEEVE DETAIL
SCALE: N.T.S.

PLOT DATE/TIME: 7/30/2026 8:12:14 AM

LANCER ASSOCIATES ARCHITECTURE
145 NORTH EAST STREET
INDIANAPOLIS, IN 46204

Lynch, Harrison & Brumleve, Inc.

RICHLAND-BEAN BLOSSOM CSC
ADDITION/RENOVATION TO EDGEWOOD HS
601 EDGEWOOD DR,
ELLETTSVILLE, IN 47429

DANIEL JACK LEVIUS REGISTERED No. PE12300430 STATE OF INDIANA PROFESSIONAL ENGINEER
Daniel Jack Levius
JULY 03, 2026

REVISIONS:

#	Date	Desc.
2	07-27-2026	ADD#03
3	07-30-2026	ADD#04

100% CONSTRUCTION DOCUMENTS

PROJECT: #26102
DATE: 07/03/2026
DRAWN BY: JDO

TYPICAL FOUNDATION DETAILS

S400

GENERAL NOTES

1. CLEAN, PATCH AND PREP SURFCAES FOR NEW WORK AFTER DEMOLITION
2. COORDINATE DEMOLITION WITH NEW WORK
3. COORDINATE DEMOLITION WITH NEW/DEMO WORK ON STRUCTURAL, TECHNOLOGY, MEP AND OTHER SHEETS

1 DEMOLITION PLAN - FIRST FLOOR - UNIT E2
SCALE: 1/8" = 1'-0"

PLAN NOTES - DEMOLITION

1	CUT NEW OPENING. COORDINATE WORK WITH NEW WORK. CLEAN, PATCH AND PREP SURFACES FOR NEW WORK
2	DEMO EXISTING BUILT-IN RISERS. CLEAN, PATCH AND PREP SURFACES FOR NEW WORK
3	DEMO EXISTING WALL COMPLETE AS SOW INCLUDING ANY OPENING, WALL-MOUNTED ACCESSORIES ETC. CLEAN, PATCH AND PREP SURFACES FOR NEW WORK
4	DEMO EXISTING DOOR AND FRAME. CLEAN, PATCH AND PREP SURFACES FOR NEW WORK
5	DEMO EXISTING FLOORING, WALL BASES, CEILINGS, CASEWORK, VISUAL DISPLAY BOARDS, WALL-MOUNTED EQUIPMENT. CLEAN PATCH AND PREP SURFACES FOR NEW WORK
6	REMOVE AND SAVE BAND WARDROBES FOR RELOCATION.
7	DEMO EXISTING MANSARD ROOF TO 34'-0" ABOVE FINISHED FLOOR. CLEAN AND PATCH EXISTING SURFACES FOR NEW WORK
8	DEMO EXISTING TERRAZZO FLOORING AND BASE AS SHOWN TO ACCOMODATE NEW TERRAZZO WORK.
9	REMOVE EXISTING DOOR, KEEP THE EXISTING FRAME. CLEAN, PATCH AND PREP SURFACES FOR NEW WORK
10	DEMO EXISTING CEILING AND GRID. COORDINATE WITH MEP FOR ADDITIONAL DEMOLITION. CLEAN, PATCH AND PREP SURFACES FOR NEW WORK
11	REMOVE EXISTING CEILING TILES AND GRIDS TO ACCOMMODATE NEW WORK. CLEAN, PATCH AND PREP SURFACES FOR NEW WORK.
12	DEMO EXISTING SOFFIT TO ACCOMMODATE NEW WORK. CLEAN, PATCH AND PREP SURFACES FOR NEW WORK
13	DEMO EXISTING WALL AS NEEDED FOR MEP WORK. CLEAN, PATCH AND PREP SURFACES FOR NEW WORK
14	DEMO EXISTING FLOORING, CUT A NEW TRENCH. COORDINATE WORK WITH MEP. CLEAN, PATCH AND PREP SURFACES FOR NEW WORK
15	DEMO EXISTING FLAG POLE AND BRACKET ATTACHED TO THE BUILDING. PATCH EXISTING RED GLAZED BRICK ON THE BUILDING WITH MATCHING COLOR AND SIZE OF MASONRY.
16	DEMO DEMO EXISTING MASONRY WALL. PRESERVE THE STUD WALL ON THE OTHER SIDE. COORDINATE WORK WITH STRUCTURAL SUPPORT FOR ROOFTOP UNIT. CLEAN, PATCH AND PERP SURFACES FOR NEW WORK
17	DEMO DEMO EXISTING MASONRY WALL. COORDINATE WORK WITH STRUCTURAL SUPPORT FOR ROOFTOP UNIT. CLEAN, PATCH AND PERP SURFACES FOR NEW WORK
18	DEMO EXISTING DISPLAY CASE. CLEAN, PATCH AND PREP SURFACES FOR NEW WORK
19	DEMO BULKHEAD AS NEEDED TO INSTALL NEW STRUCTURAL MEMEBERS. PRESERVE FABRIC-WRAPPED ACOUSTICAL PANELS. CLEAN, PATCH AND PREP SURFACES FRO NEW WORK

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145 NORTH EAST STREET
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601 EDGEWOOD DR,
ELLETTSVILLE, IN 47429

REVISIONS:

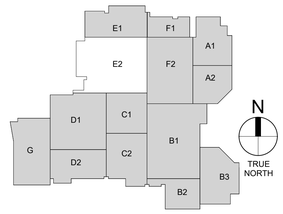
#	Date	Desc.
1	07-17-2026	ADD#01
3	07-30-2026	ADD#04

100% CONSTRUCTION DOCUMENTS

PROJECT: #26102
DATE: 07-03-2026
DRAWN BY: Author

DEMOLITION PLAN - FIRST FLOOR - UNIT E2

AD101E2



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GENERAL NOTES

1. DRAWINGS ESTABLISH THE DESIGN INTENT OF WORK TO BE PERFORMED. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE HIGHEST INDUSTRY STANDARDS. ALL PRODUCTS SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS AND WARRANTY REQUIREMENTS. ALL TRADES SHALL CAREFULLY COORDINATE WORK OF ALL OTHER TRADES. ANY DISCREPANCIES OR CONFLICTS SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE ARCHITECT AND THE OWNER PRIOR TO FABRICATION OR INSTALLATION.
2. ALL EXISTING WORK TO REMAIN SHALL BE PROTECTED THROUGHOUT THE DURATION OF CONSTRUCTION. ANY DAMAGE TO EXISTING WORK SHALL BE REPAIRED TO ORIGINAL OR BETTER CONDITION.
3. ALL DIMENSIONS ARE APPROXIMATE. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ACCURATE FIELD MEASUREMENTS FOR CONSTRUCTION.
4. PLAN NOTES INDICATE ONE GRAPHIC REPRESENTATION TYPICAL. THE CONTRACTOR SHALL USE THE GRAPHIC REPRESENTATIONS FOR THE COUNT, NOT THE KEYED PLAN NOTES. THE ABSENCE OF A KEYED PLAN NOTE ON THE PLAN DOES NOT ABSOLVE THE CONTRACTOR FROM PROVIDING THE FEATURE GRAPHICALLY REPRESENTED ON THE DRAWING.
5. CONTRACTOR SHALL FIELD VERIFY ALL PENETRATIONS, ROOF CURBS, AND ROOF EXHAUST/VENT FANS IN EXISTING ROOF PRIOR TO BID & INSTALLATION. FLASH AROUND PERIMETER OF PENETRATIONS AND RAISED CURBS OR VENTS AS PER DRAWINGS AND RECOMMENDATIONS OF ROOFING MANUFACTURER TO MAINTAIN WARRANTY. THE EXISTING HEIGHTS OF CURBS AND VENTS SHALL BE RAISED AS NECESSARY ABOVE THE NEW/HIGHER RIGID INSULATED ROOF TO MEET ROOFING MANUFACTURER'S REQUIREMENTS. SEE DETAILS 8, 9 AND 10/A142.
6. CONTRACTOR SHALL REMOVE ALL ABANDONED EQUIPMENT, CURBS AND SUPPORT STRUCTURES.
7. CONTRACTOR SHALL INSPECT AND REPLACE ALL DETERIORATED METAL FLASHING, CURBING AND BLOCKING AS REQUIRED. CONTRACTOR SHALL USE TREATED WOOD FOR ALL BLOCKING.
8. PROVIDE GREASE/OIL PROTECTION PAD FOR MECHANICAL ROOF TOP UNITS AND FANS PER MANUFACTURER'S REQUIREMENTS. CONTRACTOR SHALL VERIFY ALL ROOF TOP UNITS FOR EQUIPMENT REQUIREMENTS.
9. ALL NEW COPING INSTALLED IS TO MATCH PROFILE, PAINT COLOR AND FINISH OF COPING INSTALLED DURING PREVIOUS PHASES.
10. ALL WOOD USED IN RE-ROOF PROJECT TO BE PRESERVATIVE- TREATED, TYPICAL.
11. MAIN ROOF AREA TO BE SLOPED MIN. 1/4" PER FOOT TO DRAIN.
12. ALL HOGBACKS AND CRICKETS TO BE SLOPED MIN. 1/2" PER FOOT.

DEMOLITION PLAN KEY NOTES

1. NOT APPLICABLE
2. REMOVE EXISTING CAPPED ROOF CURB.
3. REMOVE EXISTING MECHANICAL EQUIP.
4. RELOCATE ROOD DRAIN FROM UNDER RTU. SEE A141
5. DEMO PIPE BELOW DECK AND CAP. PATCH OPEN WITH NEW DECKING TO RECEIVE NEW INSULATION AND ROOF MEMBRANE.
6. REMOVE EXISTING ROOF EQUIP. PREP TO INSTALL NEW.
7. DEMO 5'-0" VERTICAL FROM THE BOTTOM EDGE

LEGEND

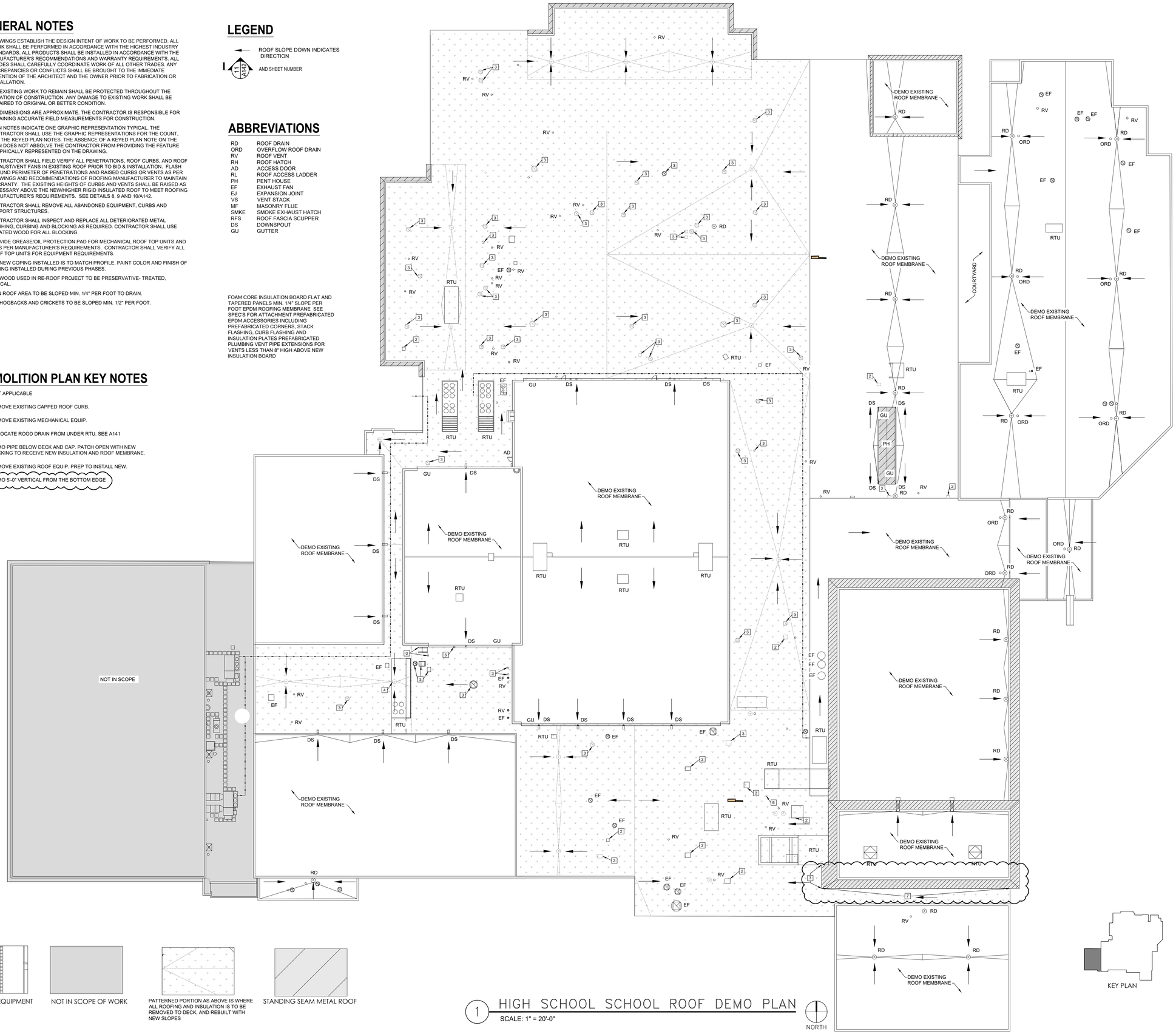
ROOF SLOPE DOWN INDICATES DIRECTION

11 / A142 — AND SHEET NUMBER

ABBREVIATIONS

RD	ROOF DRAIN
ORD	OVERFLOW ROOF DRAIN
RV	ROOF VENT
RH	ROOF HATCH
AD	ACCESS DOOR
RL	ROOF ACCESS LADDER
PH	PENT HOUSE
EF	EXHAUST FAN
EJ	EXPANSION JOINT
VS	VENT STACK
MF	MASONRY FLUE
SMKE	SMOKE EXHAUST HATCH
RFS	ROOF FASCIA SCUPPER
DS	DOWNSPOUT
GU	GUTTER

FOAM CORE INSULATION BOARD FLAT AND TAPERED PANELS MIN. 1/4" SLOPE PER FOOT EPDM ROOFING MEMBRANE SEE SPEC'S FOR ATTACHMENT PREFABRICATED EPDM ACCESSORIES INCLUDING PREFABRICATED CORNERS, STACK FLASHING, CURB FLASHING AND INSULATION PLATES PREFABRICATED PLUMBING VENT PIPE EXTENSIONS FOR VENTS LESS THAN 8" HIGH ABOVE NEW INSULATION BOARD



EXISTING EQUIPMENT

NOT IN SCOPE OF WORK

PATTERNED PORTION AS ABOVE IS WHERE ALL ROOFING AND INSULATION IS TO BE REMOVED TO DECK, AND REBUILT WITH NEW SLOPES

STANDING SEAM METAL ROOF

1 HIGH SCHOOL SCHOOL ROOF DEMO PLAN

SCALE: 1" = 20'-0"

NORTH

KEY PLAN

LANCER ASSOCIATES ARCHITECTURE
145 N EAST STREET
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EDGEWOOD HIGH SCHOOL
REROOF PROJECT
601 S EDGEWOOD Dr
ELLETTSVILLE, IN 47429

JERRY L. CRIPE REGISTERED NO. 880033 STATE OF INDIANA

REVISIONS:

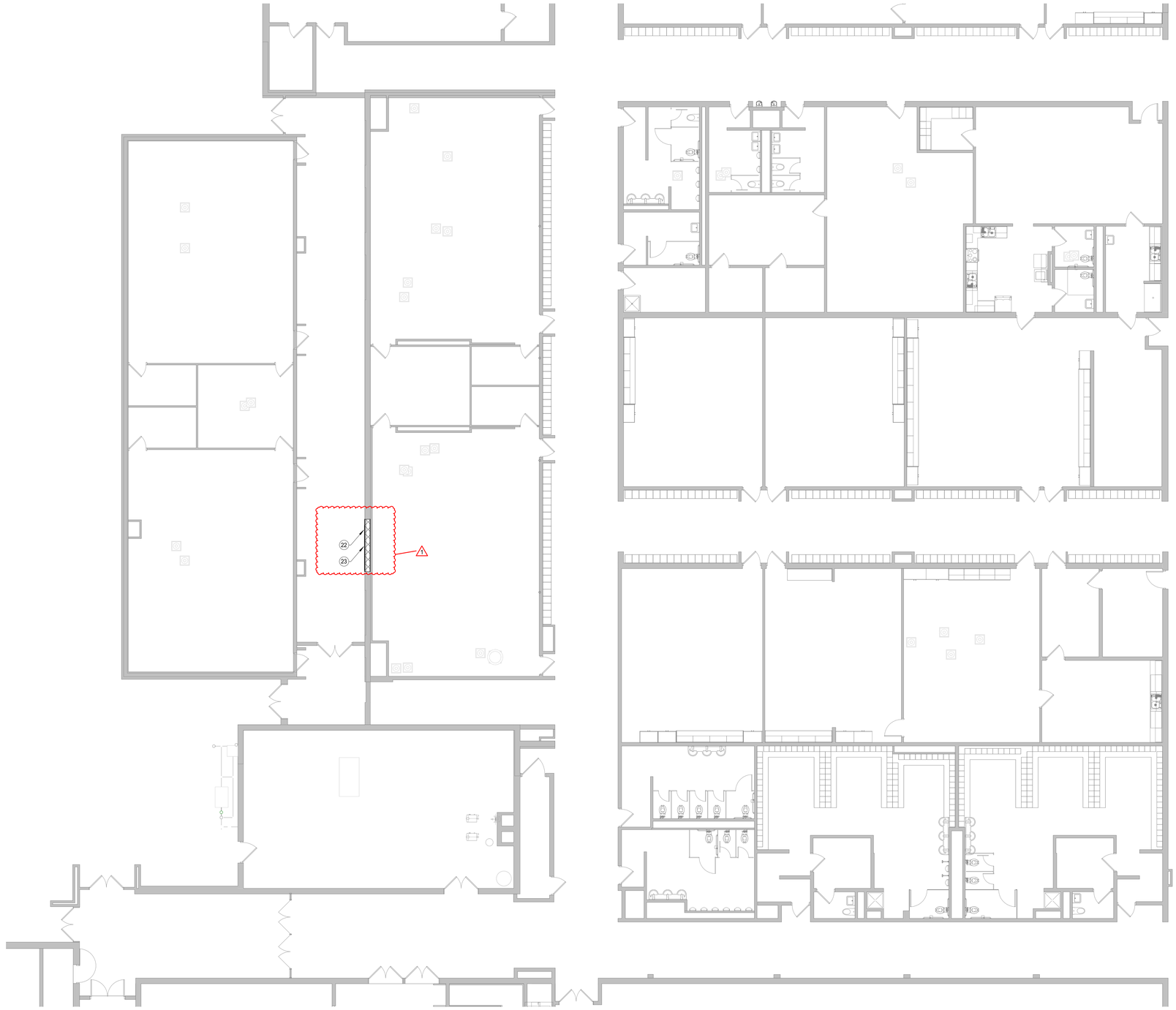
#	DATE	DESC.
4	07-30-26	ADD #04

100% DESIGN DEVELOPMENT

PROJECT: 25148
DATE: 05/08/2026
DRAWN BY: NFA

DEMO ROOF PLAN

D141R



1 FLOOR PLAN - FIRST FLOOR - UNIT E.2
SCALE: 1/8" = 1'-0"

GENERAL NOTES

A. PROVIDE CORNER GUARDS AT ALL OUTSIDE CORNERS WITH GYPSUM BOARD FINISH.

B. PROVIDE BULL-NOSE FINISH ON ALL OUTSIDE CORNERS OF CMU WALLS

C. SEE ELEVATIONS FOR EXTERIOR MASONRY TYPE AND SIZES

D. PROVIDE SOLID SURFACE WINDOW SILLS @ ALL STOREFRONT GLAZING SILLS ABOVE FINISHED FLOOR HEIGHT. WINDOW SILL TO EXTEND 1" PAST FINISHED WALL SURFACE, TYP. UNLESS NOTED OTHERWISE

E. VIF ALL DIMENSIONS FOR WINDOWS AND CASEWORK

F. INTERIOR DIMENSIONS ARE TAKEN TO THE FACE OF MASONRY OR STUDS

G. FOR ALL RESTROOM FACILITIES WITH GYPSUM WALL FINISH REPLACE 5/8" TYPE "X" GYPSUM BOARD WITH 5/8" MOISTURE RESISTANT GYPSUM BOARD, SEE SPECS FOR DETAILS

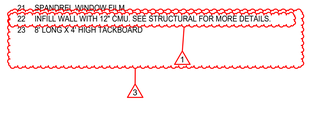
H. WHERE COLUMNS ARE NOT INDICATED TO BE WRAPPED, PAINT THEM P-X

I. WALLS TO GO UP TO DECK UNLESS NOTED OTHERWISE

J. PROVIDE WINDOW SHADES AT ALL EXTERIOR PUNCHED OPENINGS AND WHERE INDICATED ON PLANS. SEE PLANS FOR MOTORIZED LOCATIONS

PLAN NOTES - FLOOR PLAN

1 NEW WINDOW IN EXITING WALL
2 NEW CASEWORK
3 PROVIDE NEW SLAB WHERE BUILT-IN RISERS USED TO BE
4 NEW EXTERIOR DOOR, EX FRAME. 8'-0" WIDEX8'-7" HIGH VIF
5 OH COILING DOOR
6 NEW SHEET MUSIC STORAGE. HIGH DENSITY SIMILAR TO WENGER
8 NEW METAL STAIR. PROVIDE WALL-MOUNTED METAL RAILINGS
9 8'-0" TALL MIRROR WITH CURTAIN ABOVE
10 10' LONG X 4' HIGH MARKERBOARD
11 16' LONG X 4' HIGH MARKERBOARD
12 4' LONG X 4' HIGH TACKBOARD
14 ACOUSTIC PANEL
15 DOUBLE-TIER METAL LOCKER
16 INFILL EXISTING OPENING. MATCH ADJACENT WALL COSNTRUCTION
17 RELOCATED CASEWORK PROVIDE NEW END PANELS AND SCRIBES AS NEEDED
18 WALL MOUNTED MIRRORS. REF. ELEVATION 6/A752
19 MUSIC INSTRUMENT STORAGE CABINETS SIMILAR TO WENGER WITH GRILLE DOORS AND ACOUSTICAL PANELS
20 PROVIDE WINDOW SHADE
21 SPANDREL WINDOW FILM
22 INFILL WALL WITH 12" CMU. SEE STRUCTURAL FOR MORE DETAILS.
23 8' LONG X 4' HIGH TACKBOARD



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145 NORTH EAST STREET
INDIANAPOLIS, IN 46204

RICHLAND-BEAN BLOSSOM CSC
ADDITION/RENOVATION TO EDGEWOOD HS
601 EDGEWOOD DR,
ELLETTSVILLE, IN 47429

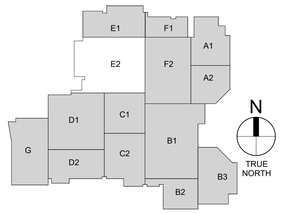
REVISIONS:

#	Date	Desc.
1	07-17-2026	ADD#01
3	07-30-2026	ADD#04

100% CONSTRUCTION DOCUMENTS

PROJECT:	#26102
DATE:	07-03-2026
DRAWN BY:	Author

FLOOR PLAN - FIRST FLOOR - UNIT E2



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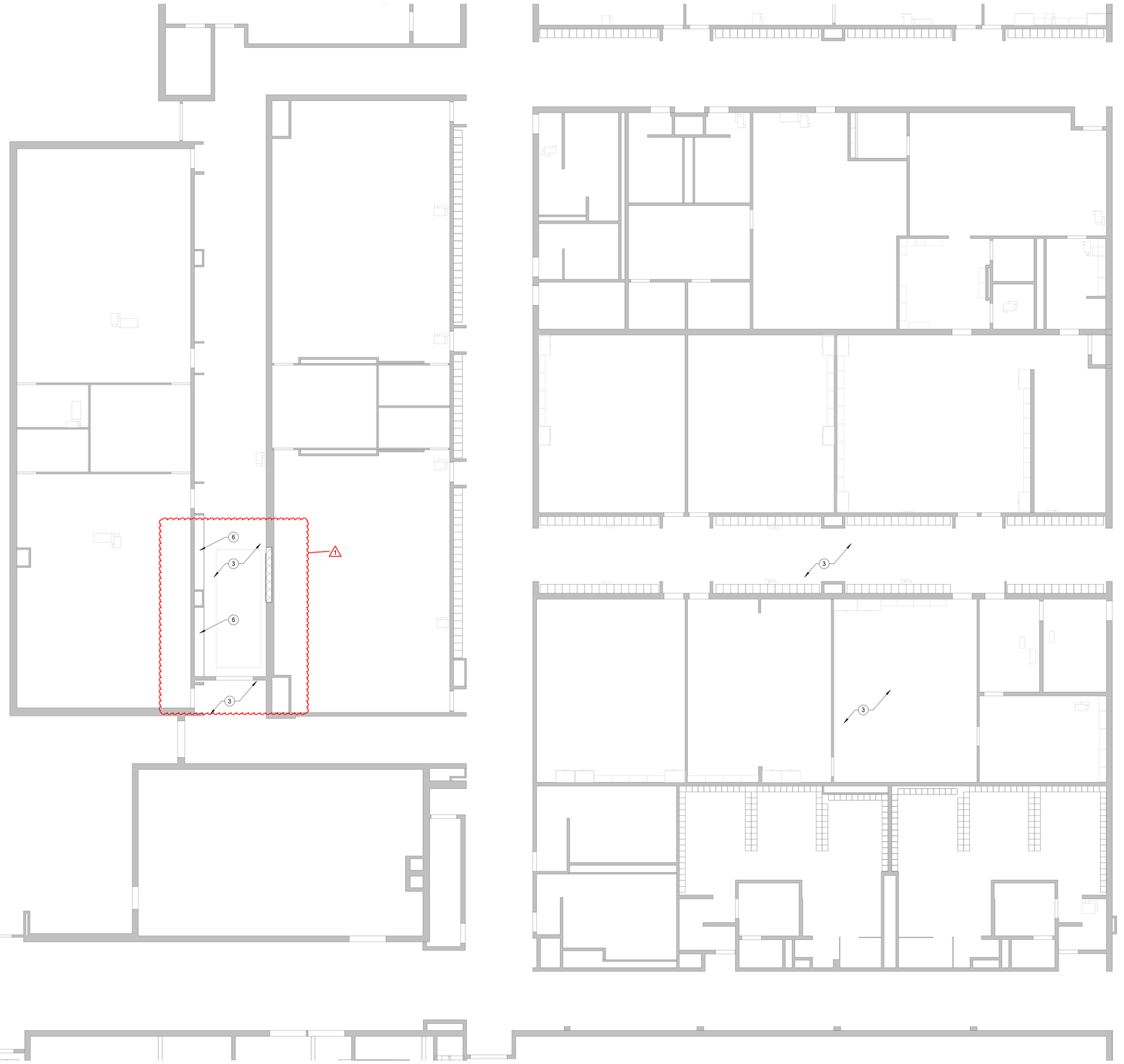


1 REFLECTED CEILING PLAN - UNIT FIRST FLOOR - E2

SCALE: 1/8" = 1'-0"

GENERAL NOTES

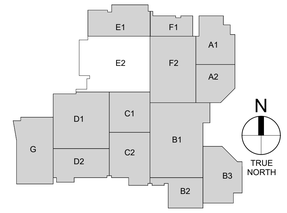
1. ALL INTERIOR CEILINGS AT **9'-4"** UNLESS NOTED OTHERWISE.

TYPICAL CEILING TYPES

- 2x2 ACOUSTICAL CEILING TILE TYPE A (APC-A)
- 2x2 ACOUSTICAL CEILING TILE TYPE B (APC-B)
- 2x2 ACOUSTICAL CEILING TILE TYPE C (APC-C)
- 2x2 ACOUSTICAL CEILING TILE TYPE D (APC-D)
- GYPSUM BOARD CEILING
- EXPOSED STRUCTURE, PAINT EXPOSED STRUCTURE WHERE INDICATED

PLAN NOTES - RCP

1 PAINTED EXPOSED DECK, STRUCTURE, AND MEPT EQUIPMENT, PT-5. GC IS TO VERIFY THAT THERE ARE NO CONFLICTING EXISTING ELEMENTS FOR PAINT TO BE APPLIED.
2 INSTALL NEW CEILINGS AND CEILING GRIDS. MATCH EXISTING CEILING HEIGHTS
3 PATCH EXISTING CEILING GRID AFTER MEP WORK. REPLACE ANY DAMAGED GRID PIECES. INSTALL NEW CEILING PANELS TO MATCH EXISTING
4 PAINT VERTICAL DRYWALL SURFACE, PT-2
5 4'-0"X4'-0" CEILING DIFFUSER PANEL
6 PATCH EXISTING METAL STUD AND GYPSUM BOARD BULKHEAD AS NEEDED. RE-INSTALL FABRIC-WRAPPED ACOUSTICAL PANELS



LANCER ASSOCIATES ARCHITECTURE
145 NORTH EAST STREET
INDIANAPOLIS, IN 46204

RICHLAND-BEAN BLOSSOM CSC
ADDITION/RENOVATION TO EDGEWOOD HS
601 EDGEWOOD DR,
ELLETTSVILLE, IN 47429

JERRY L. CRIPE
REGISTERED
NO. 800633
STATE OF
INDIANA

REVISIONS:

#	Date	Desc.
4	07-17-2026	ADD#01
5	07-30-2026	ADD#04

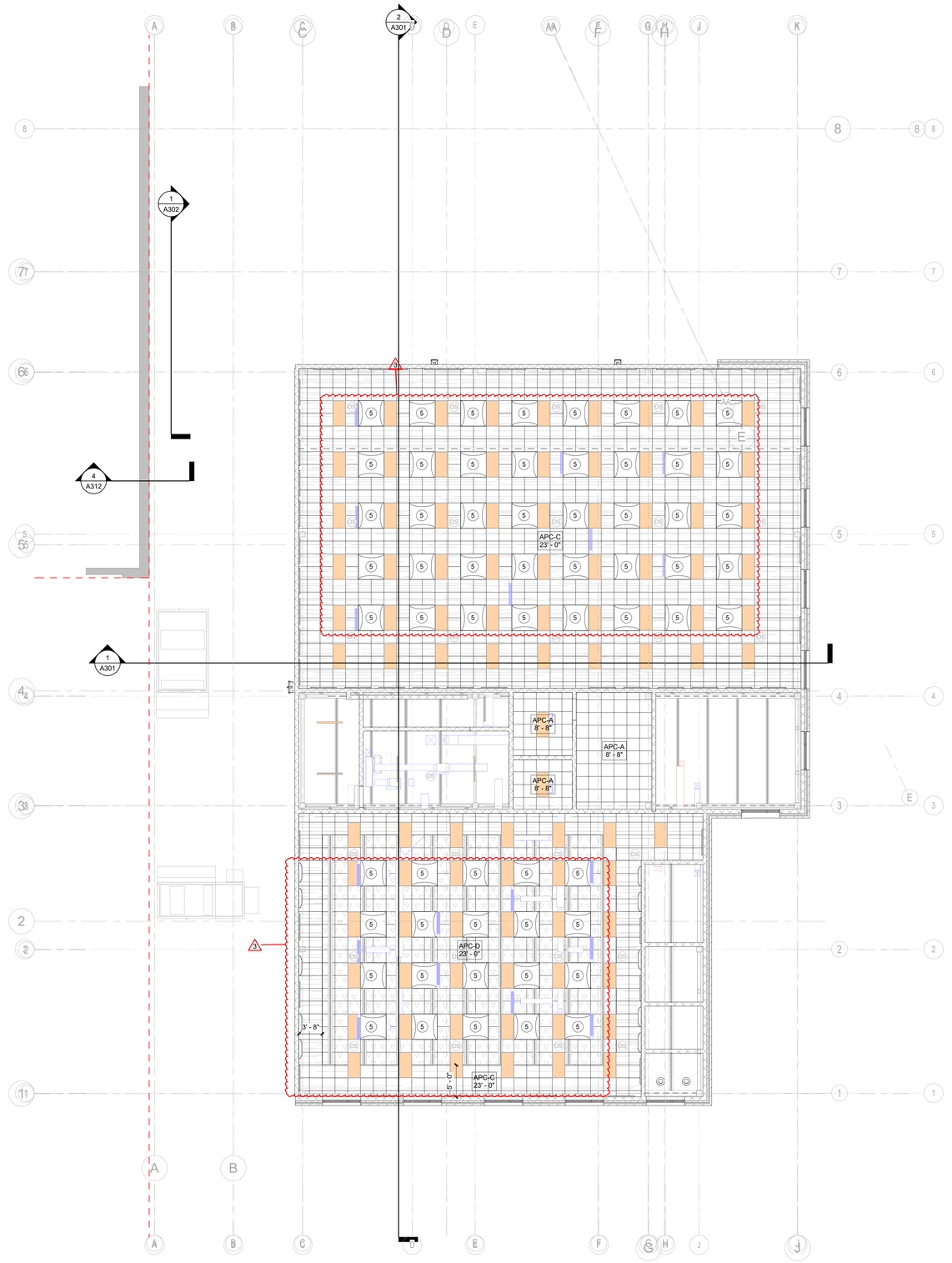
100% CONSTRUCTION DOCUMENTS

PROJECT: #26102
DATE: 07-03-2026
DRAWN BY: Author

REFLECTED CEILING PLAN - FIRST FLOOR - UNIT E2

A121E2

PLOT DATE/TIME: 7/29/2026 1:04:13 PM



1 REFLECTED CEILING PLAN - SECOND FLOOR - UNIT B3

SCALE: 1/8" = 1'-0"

GENERAL NOTES

1. ALL INTERIOR CEILINGS AT 9'-4" UNLESS NOTED OTHERWISE.

TYPICAL CEILING TYPES

- 2x2 ACOUSTICAL CEILING TILE TYPE A (APC-A)
- 2x2 ACOUSTICAL CEILING TILE TYPE B (APC-B)
- 2x2 ACOUSTICAL CEILING TILE TYPE C (APC-C)
- 2x2 ACOUSTICAL CEILING TILE TYPE D (APC-D)
- GYPSUM BOARD CEILING
- EXPOSED STRUCTURE, PAINT EXPOSED STRUCTURE WHERE INDICATED

PLAN NOTES - RCP

1 PAINTED EXPOSED DECK, STRUCTURE, AND MEPT EQUIPMENT, PT-5. GC IS TO VERIFY THAT THERE ARE NO CONFLICTING EXISTING ELEMENTS FOR PAINT TO BE APPLIED.
2 INSTALL NEW CEILINGS AND CEILING GRIDS. MATCH EXISTING CEILING HEIGHTS
3 PATCH EXISTING CEILING GRID AFTER MEP WORK. REPLACE ANY DAMAGED GRID PIECES. INSTALL NEW CEILING PANELS TO MATCH EXISTING
4 PAINT VERTICAL DRYWALL SURFACE, PT-2.
5 4'-0"X4'-0" CEILING DIFFUSER PANEL

LANCER ASSOCIATES ARCHITECTURE
145 NORTH EAST STREET
INDIANAPOLIS, IN 46204

RICHLAND-BEAN BLOSSOM CSC
ADDITION/RENOVATION TO EDGEWOOD HS
601 EDGEWOOD DR,
ELLETTSVILLE, IN 47429

JERRY L. CHITWOOD REGISTERED NO. 880633 STATE OF INDIANA ARCHITECT

REVISIONS:

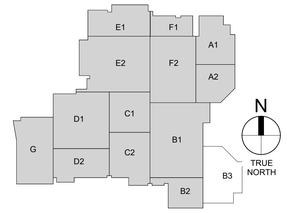
#	Date	Desc.
3	07-30-2026	ADDM04

100% CONSTRUCTION DOCUMENTS

PROJECT: #26102
DATE: 07-03-2026
DRAWN BY: Author

REFLECTED CEILING PLAN - SECOND FLOOR - UNIT B3

A122B3



PLOT DATE/TIME 7/29/2026 7:16:17 AM

GENERAL NOTES

1. DRAWINGS ESTABLISH THE DESIGN INTENT OF WORK TO BE PERFORMED. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE HIGHEST INDUSTRY STANDARDS. ALL PRODUCTS SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS AND WARRANTY REQUIREMENTS. ALL TRADES SHALL CAREFULLY COORDINATE WORK OF ALL OTHER TRADES. ANY DISCREPANCIES OR CONFLICTS SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE ARCHITECT AND THE OWNER PRIOR TO FABRICATION OR INSTALLATION.
2. ALL EXISTING WORK TO REMAIN SHALL BE PROTECTED THROUGHOUT THE DURATION OF CONSTRUCTION. ANY DAMAGE TO EXISTING WORK SHALL BE REPAIRED TO ORIGINAL OR BETTER CONDITION.
3. ALL DIMENSIONS ARE APPROXIMATE. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ACCURATE FIELD MEASUREMENTS FOR CONSTRUCTION.
4. PLAN NOTES INDICATE ONE GRAPHIC REPRESENTATION TYPICAL. THE CONTRACTOR SHALL USE THE GRAPHIC REPRESENTATIONS FOR THE COUNT, NOT THE KEYED PLAN NOTES. THE ABSENCE OF A KEYED PLAN NOTE ON THE PLAN DOES NOT ABSOLVE THE CONTRACTOR FROM PROVIDING THE FEATURE GRAPHICALLY REPRESENTED ON THE DRAWING.
5. CONTRACTOR SHALL FIELD VERIFY ALL PENETRATIONS, ROOF CURBS, AND ROOF EXHAUST/VENT FANS IN EXISTING ROOF PRIOR TO BID & INSTALLATION. FLASH AROUND PERIMETER OF PENETRATIONS AND RAISED CURBS OR VENTS AS PER DRAWINGS AND RECOMMENDATIONS OF ROOFING MANUFACTURER TO MAINTAIN WARRANTY. THE EXISTING HEIGHTS OF CURBS AND VENTS SHALL BE RAISED AS NECESSARY ABOVE THE NEW/HIGHER RIGID INSULATED ROOF TO MEET ROOFING MANUFACTURER'S REQUIREMENTS. SEE DETAILS 8, 9 AND 10/A142.
6. CONTRACTOR SHALL REMOVE ALL ABANDONED EQUIPMENT, CURBS AND SUPPORT STRUCTURES.
7. CONTRACTOR SHALL INSPECT AND REPLACE ALL DETERIORATED METAL FLASHING, CURBING AND BLOCKING AS REQUIRED. CONTRACTOR SHALL USE TREATED WOOD FOR ALL BLOCKING.
8. PROVIDE GREASE/OIL PROTECTION PAD FOR MECHANICAL ROOF TOP UNITS AND FANS PER MANUFACTURER'S REQUIREMENTS. CONTRACTOR SHALL VERIFY ALL ROOF TOP UNITS FOR EQUIPMENT REQUIREMENTS.
9. ALL NEW COPING INSTALLED IS TO MATCH PROFILE, PAINT COLOR AND FINISH OF COPING INSTALLED DURING PREVIOUS PHASES.
10. ALL WOOD USED IN RE-ROOF PROJECT TO BE PRESERVATIVE- TREATED, TYPICAL.
11. MAIN ROOF AREA TO BE SLOPED MIN. 1/4" PER FOOT TO DRAIN.
12. ALL HOGBACKS AND CRICKETS TO BE SLOPED MIN. 1/2" PER FOOT.

PLAN KEY NOTES

1. LADDER - EXISTING
2. ROOF DRAIN - EXISTING
3. EXHAUST FAN - EXISTING
4. ROOF TOP UNIT (R.T.U.) - EXISTING
5. PHOTOVOLTAIC PANELS - EXISTING
6. RADIO TOWER - EXISTING
7. EXISTING CAPPED ROOF CURB, PATCH OVER WITH NEW MEMBRANE
8. EXHAUST PIPE - EXISTING
9. ROOF ACCESS HATCH - EXISTING
10. OVERFLOW DRAIN - EXISTING
11. DOWNSPOUT / GUTTER - EXISTING
12. HYDRANT - EXISTING
13. GAS PIPE - EXISTING
14. REPLACE AND / OR INSTALL NEW R.D. AND OVERFLOW ALIGNED w/ EXISTING ADJACENT R.D.'S AS SHOWN
15. NEW 9" HIGH KNEE WALL FRAMED FROM TREATED 2X LUMBER WITH EXTERIOR GRADE SHEATHING BOTH SIDES AND ANCHORED TO THE EXISTING DECK. CONTINUE MEMBRANE ROOF VERTICAL AND HORZ.
16. NEW 12" HIGH KNEE WALL FRAMED FROM TREATED 2X LUMBER WITH EXTERIOR GRADE SHEATHING BOTH SIDES AND ANCHORED TO THE EXISTING DECK. CONTINUE MEMBRANE ROOF VERTICAL AND HORZ.

LEGEND

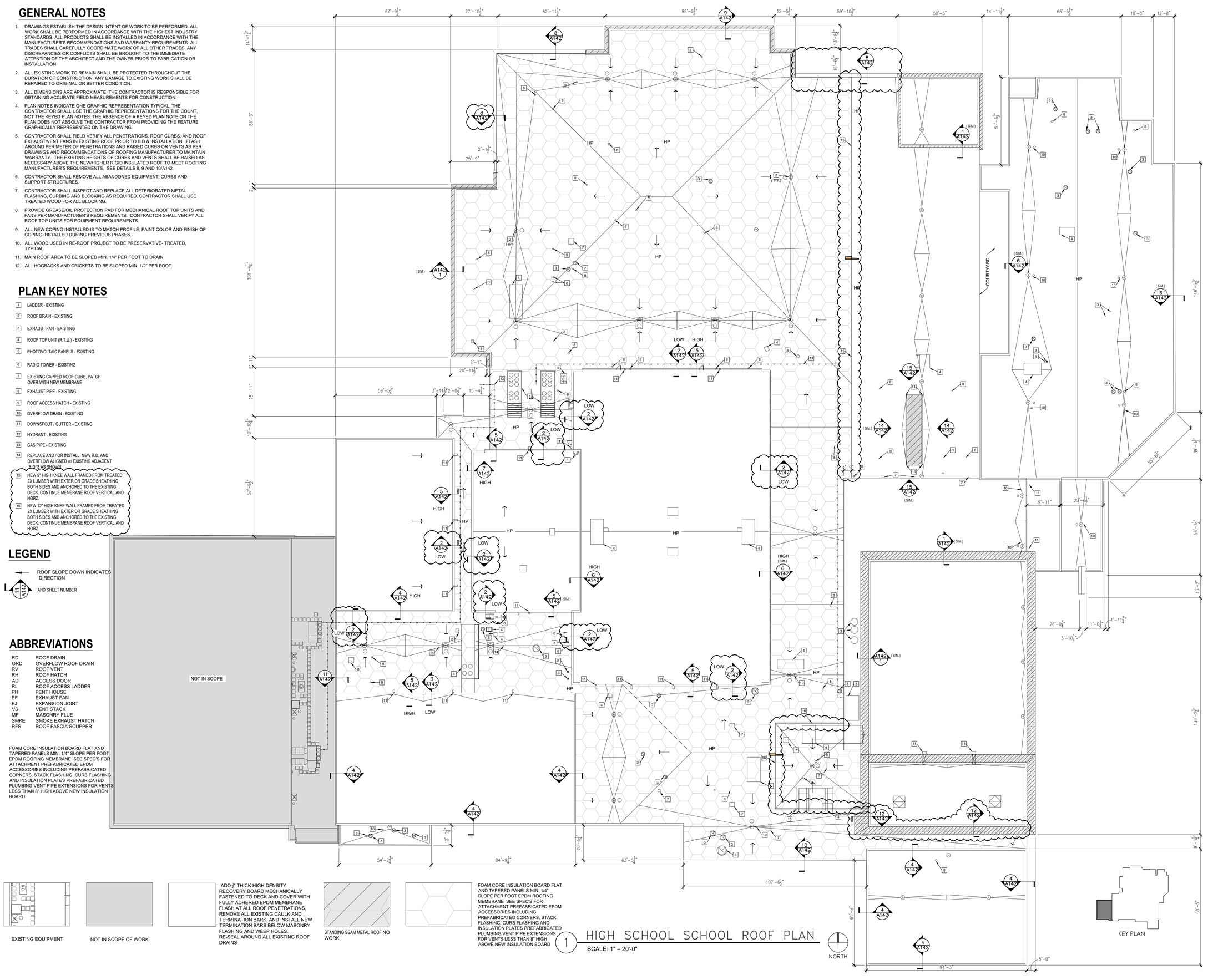
ROOF SLOPE DOWN INDICATES DIRECTION

11 / A142 AND SHEET NUMBER

ABBREVIATIONS

RD	ROOF DRAIN
ORD	OVERFLOW ROOF DRAIN
RV	ROOF VENT
RH	ROOF HATCH
AD	ACCESS DOOR
RL	ROOF ACCESS LADDER
PH	PENT HOUSE
EF	EXHAUST FAN
EJ	EXPANSION JOINT
VS	VENT STACK
MF	MASONRY FLUE
SMKE	SMOKE EXHAUST HATCH
RFS	ROOF FASCIA SCUPPER

FOAM CORE INSULATION BOARD FLAT AND TAPERED PANELS MIN. 1/4" SLOPE PER FOOT EPDM ROOFING MEMBRANE SEE SPEC'S FOR ATTACHMENT PREFABRICATED EPDM ACCESSORIES INCLUDING PREFABRICATED CORNERS, STACK FLASHING, CURB FLASHING AND INSULATION PLATES PREFABRICATED PLUMBING VENT PIPE EXTENSIONS FOR VENTS LESS THAN 8" HIGH ABOVE NEW INSULATION BOARD



EXISTING EQUIPMENT

NOT IN SCOPE OF WORK

ADD ¾" THICK HIGH DENSITY RECOVERY BOARD MECHANICALLY FASTENED TO DECK AND COVER WITH FULLY ADHERED EPDM MEMBRANE FLASH AT ALL ROOF PENETRATIONS, REMOVE ALL EXISTING CAULK AND TERMINATION BARS, AND INSTALL NEW TERMINATION BARS BELOW MASONRY FLASHING AND WEEP HOLES. RE-SEAL AROUND ALL EXISTING ROOF DRAINS

STANDING SEAM METAL ROOF NO WORK

FOAM CORE INSULATION BOARD FLAT AND TAPERED PANELS MIN. 1/4" SLOPE PER FOOT EPDM ROOFING MEMBRANE SEE SPEC'S FOR ATTACHMENT PREFABRICATED EPDM ACCESSORIES INCLUDING PREFABRICATED CORNERS, STACK FLASHING, CURB FLASHING AND INSULATION PLATES PREFABRICATED PLUMBING VENT PIPE EXTENSIONS FOR VENTS LESS THAN 8" HIGH ABOVE NEW INSULATION BOARD

1 HIGH SCHOOL SCHOOL ROOF PLAN

SCALE: 1" = 20'-0"

NORTH

KEY PLAN

LANCER ASSOCIATES ARCHITECTURE
145 N EAST STREET
INDIANAPOLIS, IN 46204

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EDGEWOOD HIGH SCHOOL
REROOF PROJECT
601 S EDGEWOOD Dr
ELLETTSVILLE, IN 47429

REGISTERED ARCHITECT NO 80038 STATE OF INDIANA

00.00.0000

REVISIONS:

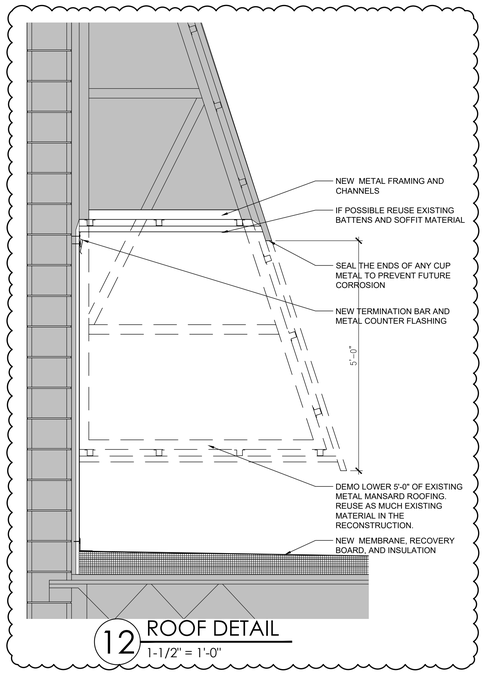
#	DATE	DESC.
4	07-30-26	ADD #04

100% DESIGN DEVELOPMENT

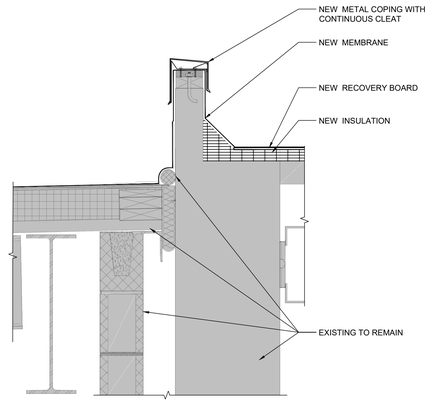
PROJECT: 25148
DATE: 05/08/2026
DRAWN BY: NFA

ROOF PLAN

A141R



12 ROOF DETAIL
1-1/2" = 1'-0"



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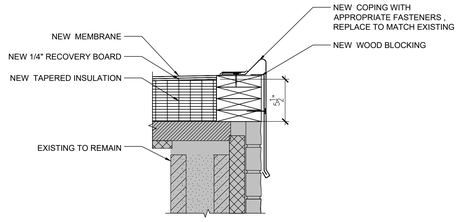

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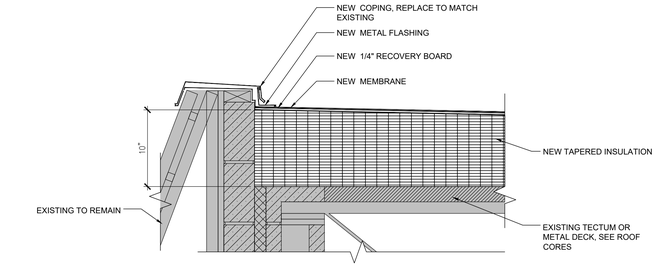

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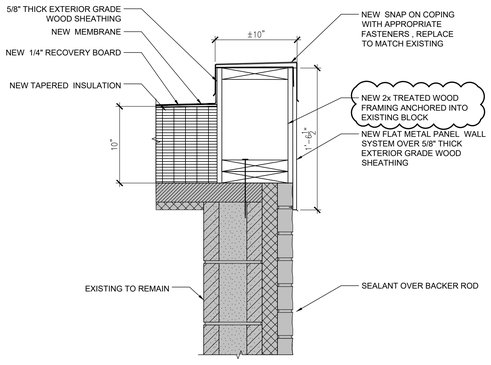

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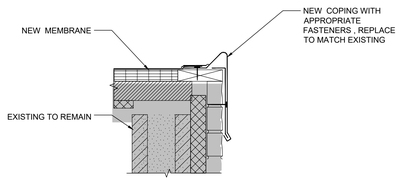
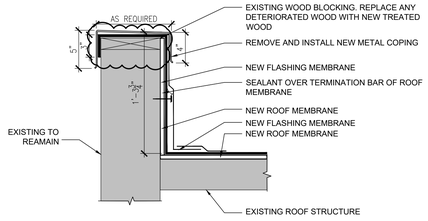


7 ROOF DETAIL
1-1/2" = 1'-0"



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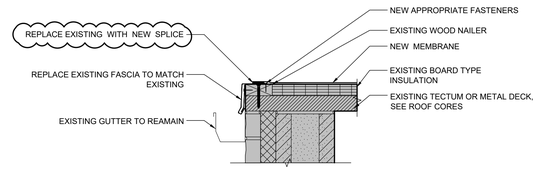

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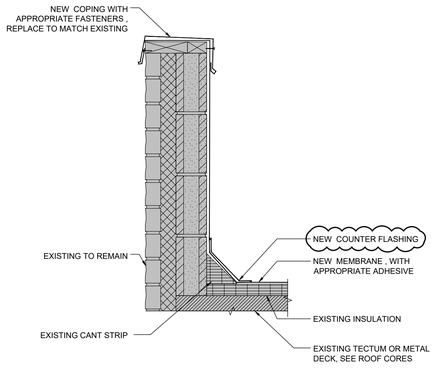

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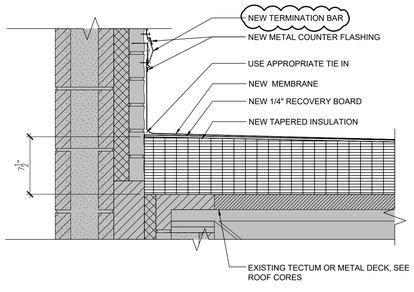

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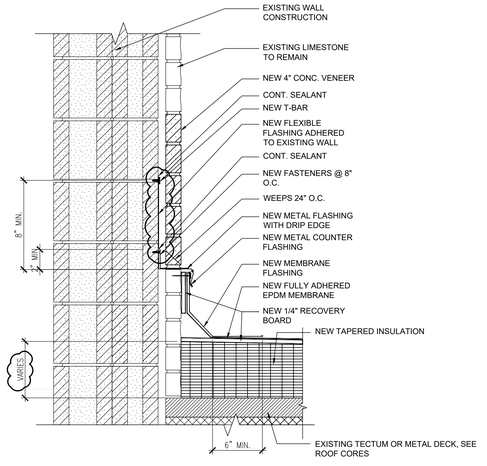

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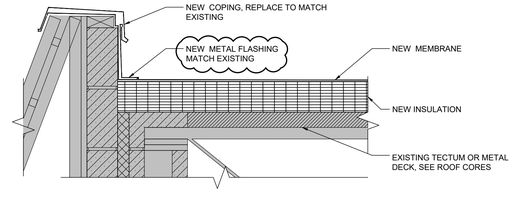

1 ROOF DETAIL
1-1/2" = 1'-0"

LANCER ASSOCIATES ARCHITECTURE
145 N EAST STREET
INDIANAPOLIS, IN 46204

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EDGEWOOD HIGH SCHOOL
REROOF PROJECT
601 S EDGEWOOD Dr
ELLETTSVILLE, IN 47429

JERRY L. CRIPPEN
REGISTERED
No. 880133
STATE OF
INDIANA
SURVEYOR

REVISIONS:

#	DATE	DESC.
4	07-30-26	ADD #04

100% DESIGN DEVELOPMENT

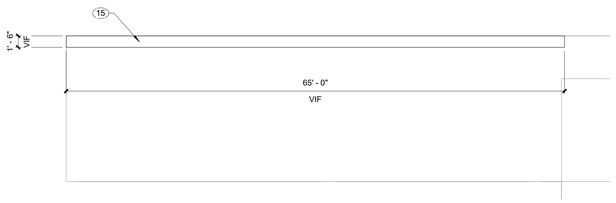
PROJECT: 25148
DATE: 05/08/2026
DRAWN BY: NFA

ROOF DETAILS

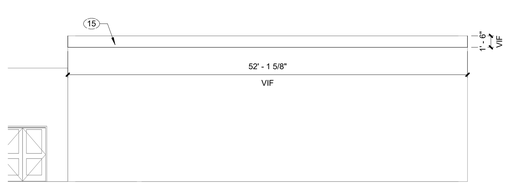
A142R

ELEVATION NOTES - EXTERIOR

1	ALUMINUM STOREFRONT
2	LIMESTONE PANELS. SMOOTH FINISH. 4" NOMINAL DEPTH
3	LIMESTONE UNIT MASONRY VENEER. ROUGH FACE FINISH. 4" NOMINAL HEIGHT, RANDOM LENGTHS
4	FLAT METAL PANEL COLOR A
5	FLAT METAL PANEL COLOR B
7	NEW COILING OVERHEAD DOOR
8	PROVIDE SPANDREL GLASS IN THIS STOREFRONT
9	EXTEND LIMESTONE FINISH TO PAVEMENT AND/OR GRADE BELOW. COORDINATE WITH CIVIL DRAWINGS
11	EXISTING MANSARD ROOF TO REMAIN.
12	NEW FLAT METAL PANELS OVER NEW INSULATION, 5/8" EXTERIOR GRADE WOOD SHEATHING AND AIR/WATER BARRIER. CUSTOM COLOR TO MATCH EXISTING ROOF ELEMENTS. PROVIDE TRIM TO EXISTING METAL PANELS AS NEEDED. PROVIDE METAL STUDS AS NEEDED BACK TO ENCLOSE GAPS.
13	CORRUGATED METAL PANELS. JOINTS/TRIM PER MANUFACTURER RECOMMENDATIONS
14	ROOF ACCESS LADDER
15	NEW FLAT METAL PANELS. CUSTOM COLOR TO MATCH EXISTING METAL PANELS



7 5 - a
SCALE: 1/8" = 1'-0" REF. 1 / A011



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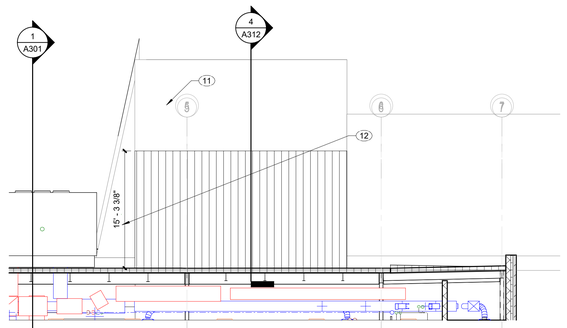

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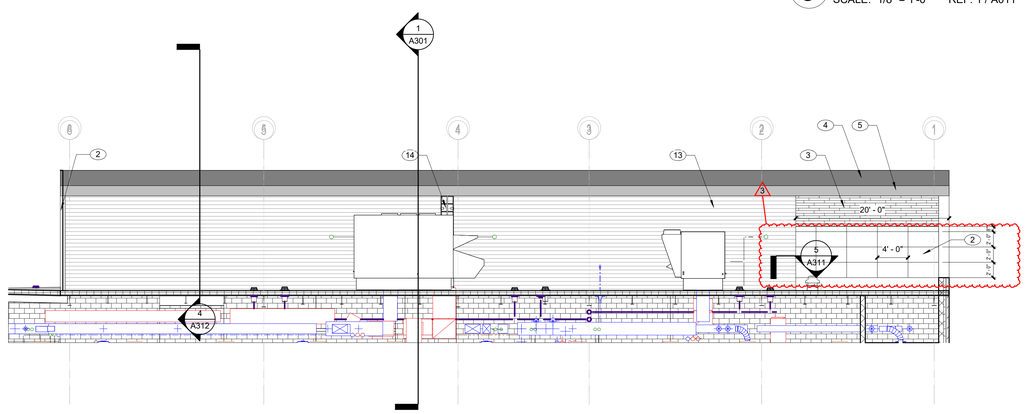

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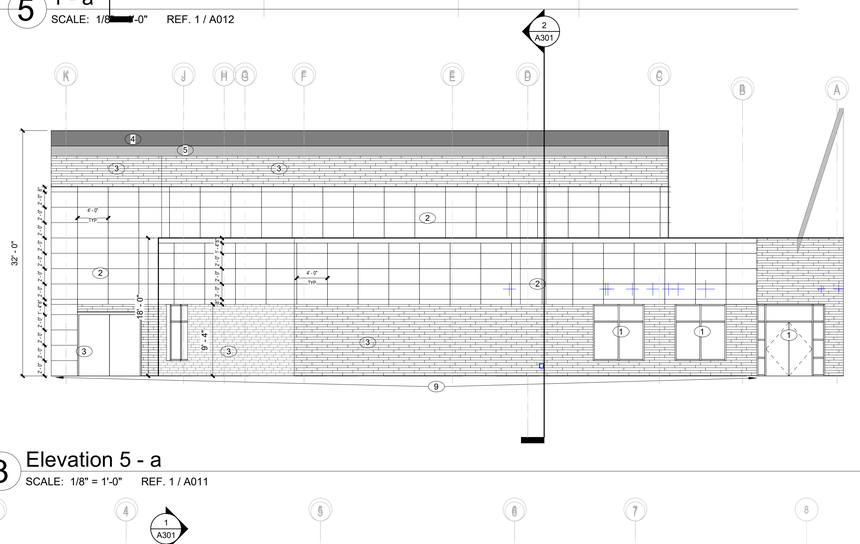

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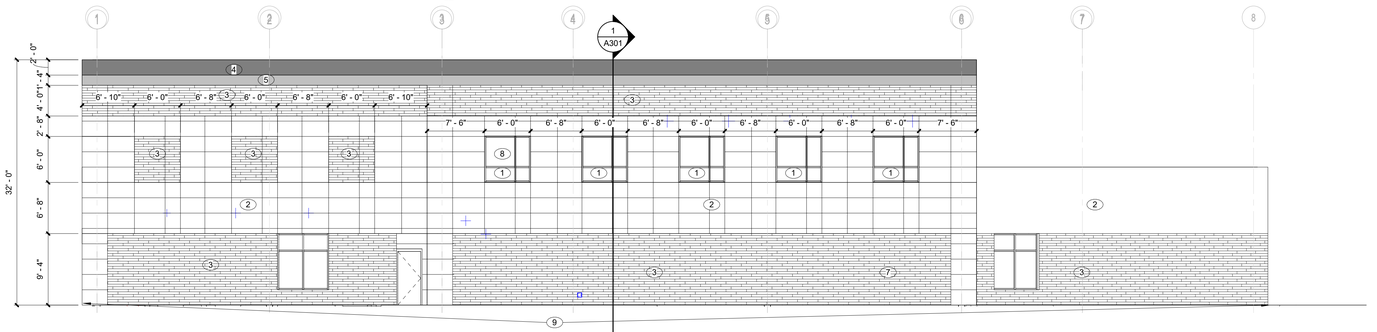

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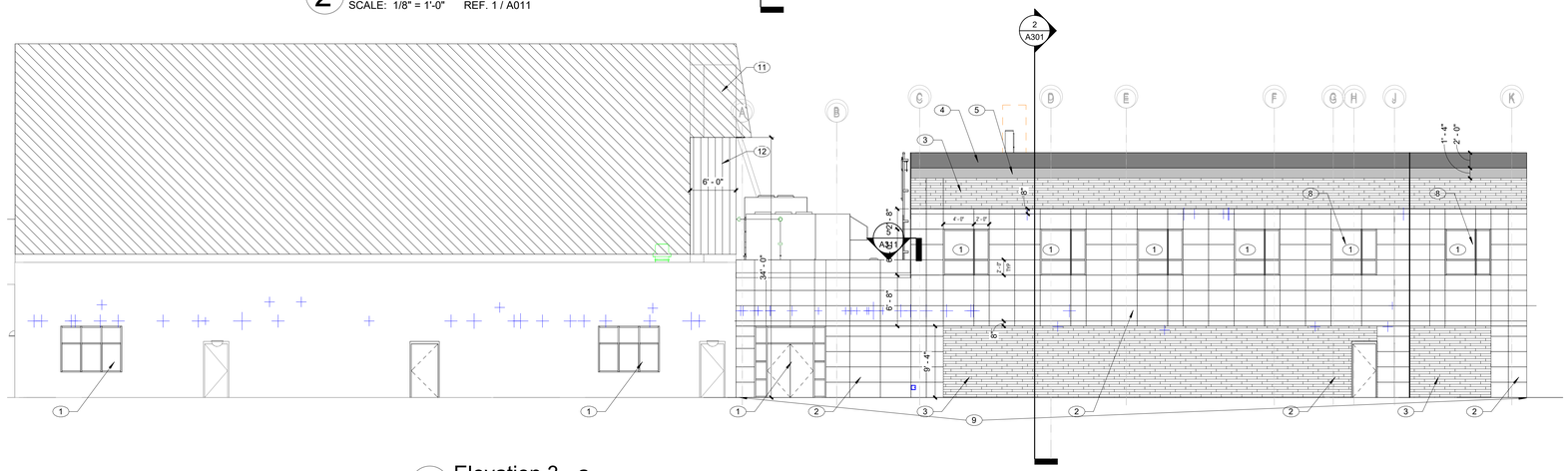

1 Elevation 3 - a
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LANCER ASSOCIATES ARCHITECTURE
145 NORTH EAST STREET
INDIANAPOLIS, IN 46204

RICHLAND-BEAN BLOSSOM CSC
ADDITION/RENOVATION TO EDGEWOOD HS
601 EDGEWOOD DR,
ELLETTSVILLE, IN 47429

JEROLL C. PEPPER
REGISTERED
NO
80033
STATE OF
INDIANA

REVISIONS:

#	Date	Desc.
3	07-30-2026	ADD#04

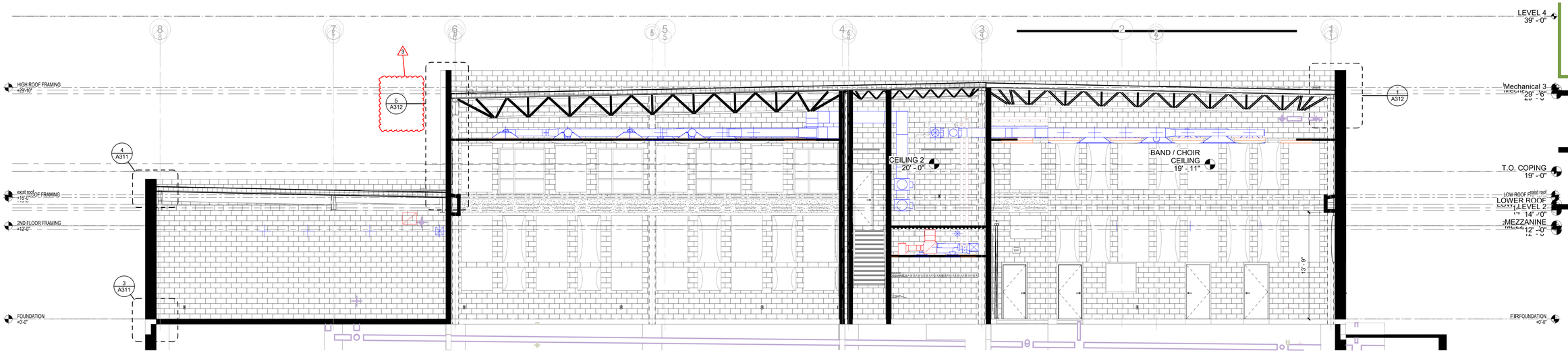
100% CONSTRUCTION DOCUMENTS

PROJECT: #26102
DATE: 07-03-2026
DRAWN BY: Author

EXTERIOR ELEVATIONS

A201

PLOT DATE/TIME: 7/29/2026 8:31:24 AM



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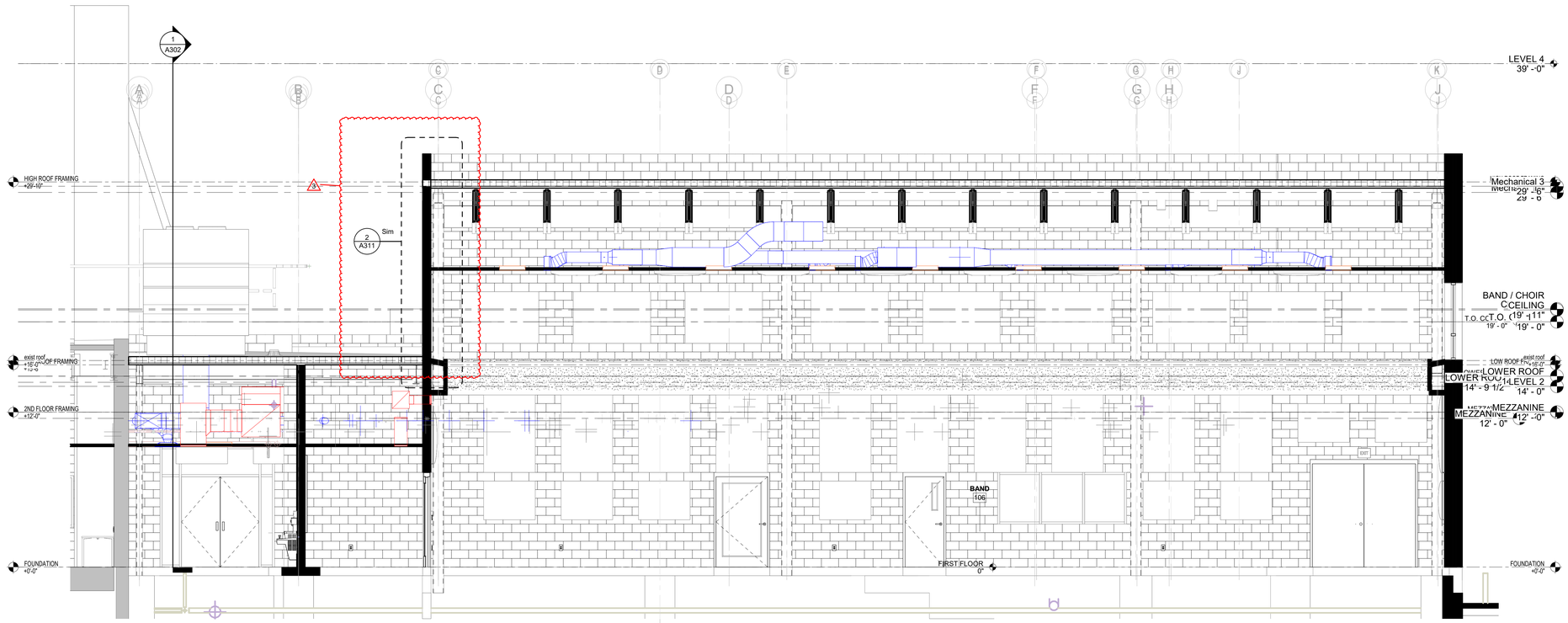


1 Section 1

SCALE: 1/4" = 1'-0" REF. 1 / A100

PLOT DATE/TIME 7/29/2026 8:32:04 AM

LANCER ASSOCIATES ARCHITECTURE

145 NORTH EAST STREET
INDIANAPOLIS, IN 46204

RICHLAND-BEAN BLOSSOM CSC
ADDITION/RENOVATION TO EDGEWOOD HS
601 EDGEWOOD DR,
ELLETTSVILLE, IN 47429

JEREMY L CRAIG
REGISTERED
No.
80033
STATE OF
ARCHITECT

REVISIONS:

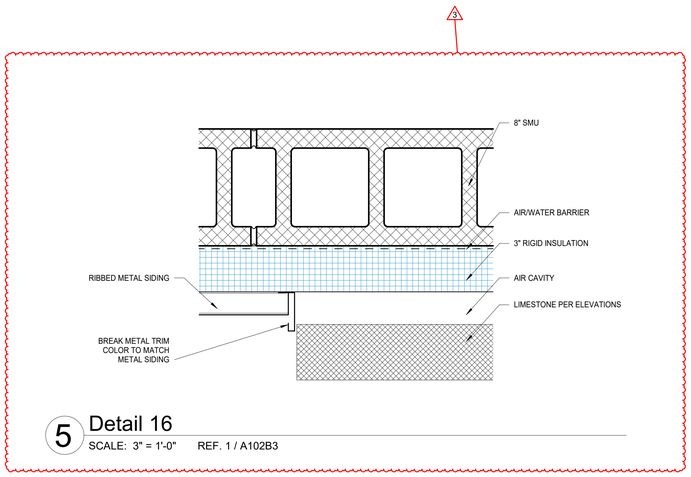
#	Date	Desc.
3	07-30-2026	ADDM#4

100% CONSTRUCTION DOCUMENTS

PROJECT:	#26102
DATE:	07-03-2026
DRAWN BY:	Author

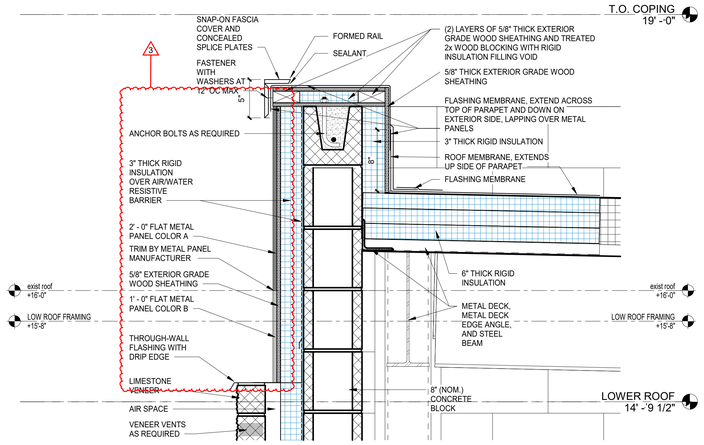
BUILDING SECTIONS

A301



5 Detail 16

SCALE: 3" = 1'-0" REF. 1 / A102B3



4 Detail 1

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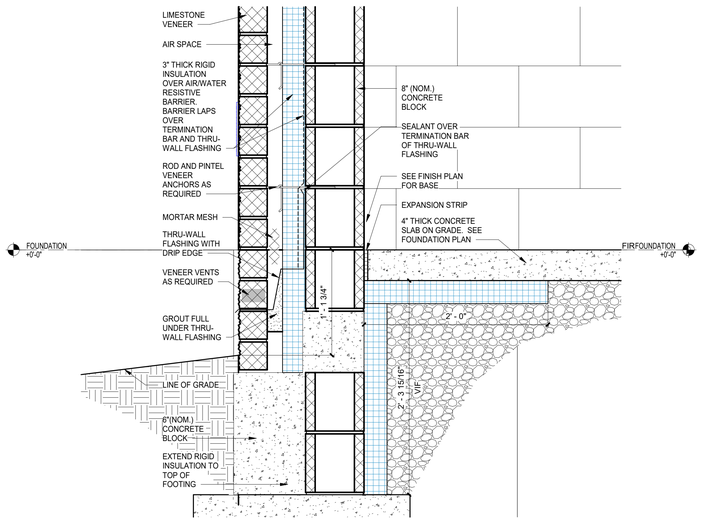

3 Detail 2

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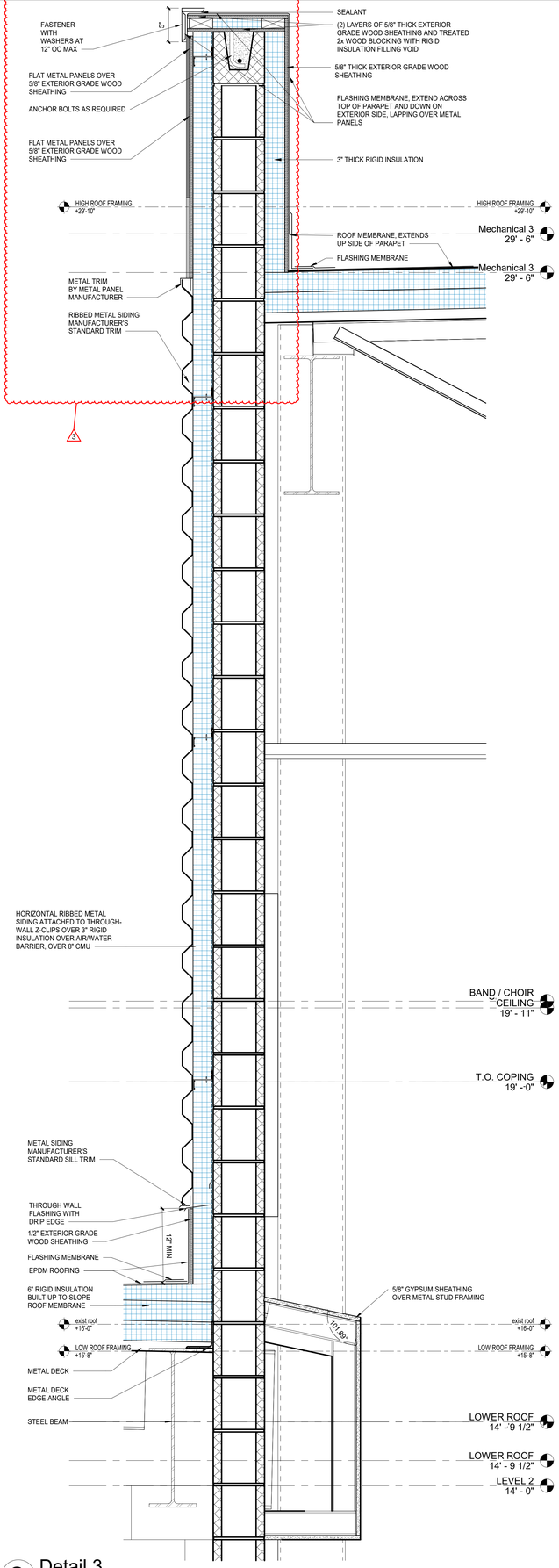

2 Detail 3

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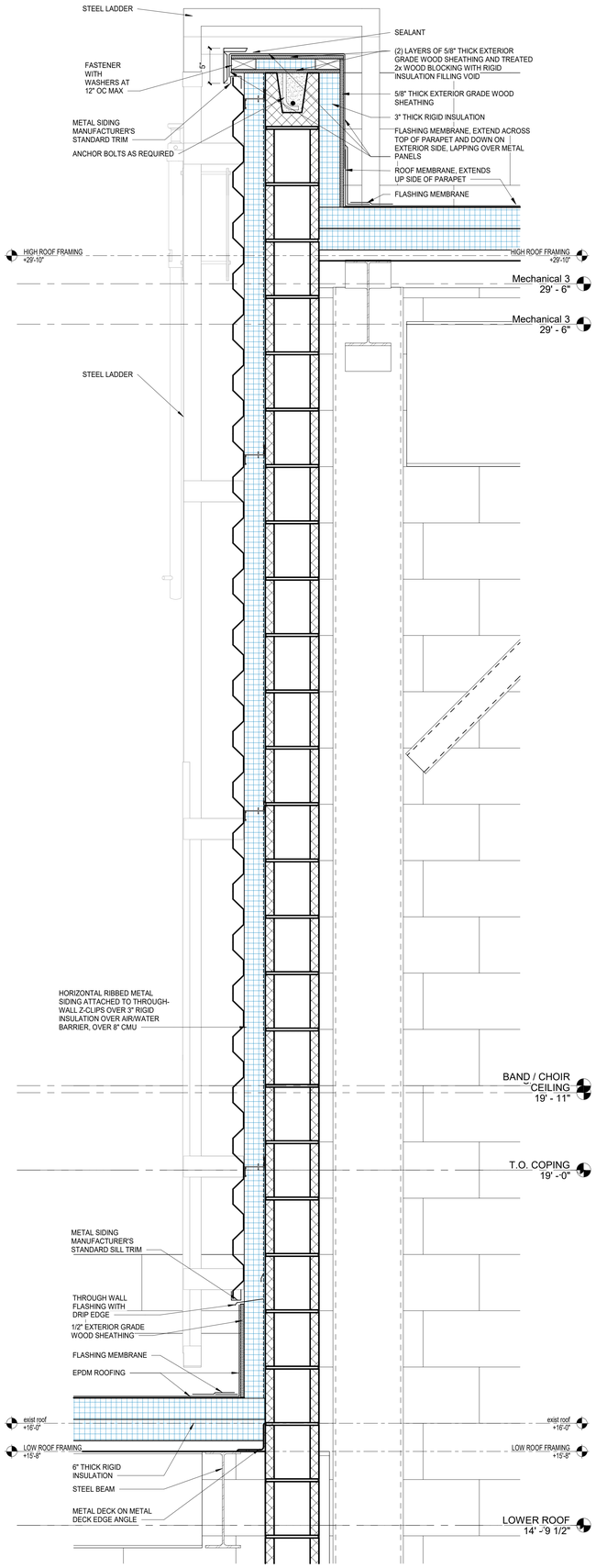


1 Detail 0

SCALE: 1 1/2" = 1'-0"

LANCER ASSOCIATES ARCHITECTURE
145 NORTH EAST STREET
INDIANAPOLIS, IN 46204

RICHLAND-BEAN BLOSSOM CSC
ADDITION/RENOVATION TO EDGEWOOD HS
601 EDGEWOOD DR,
ELLETTSVILLE, IN 47429

REVISIONS:

#	Date	Desc.
3	07-30-2026	ADD#04

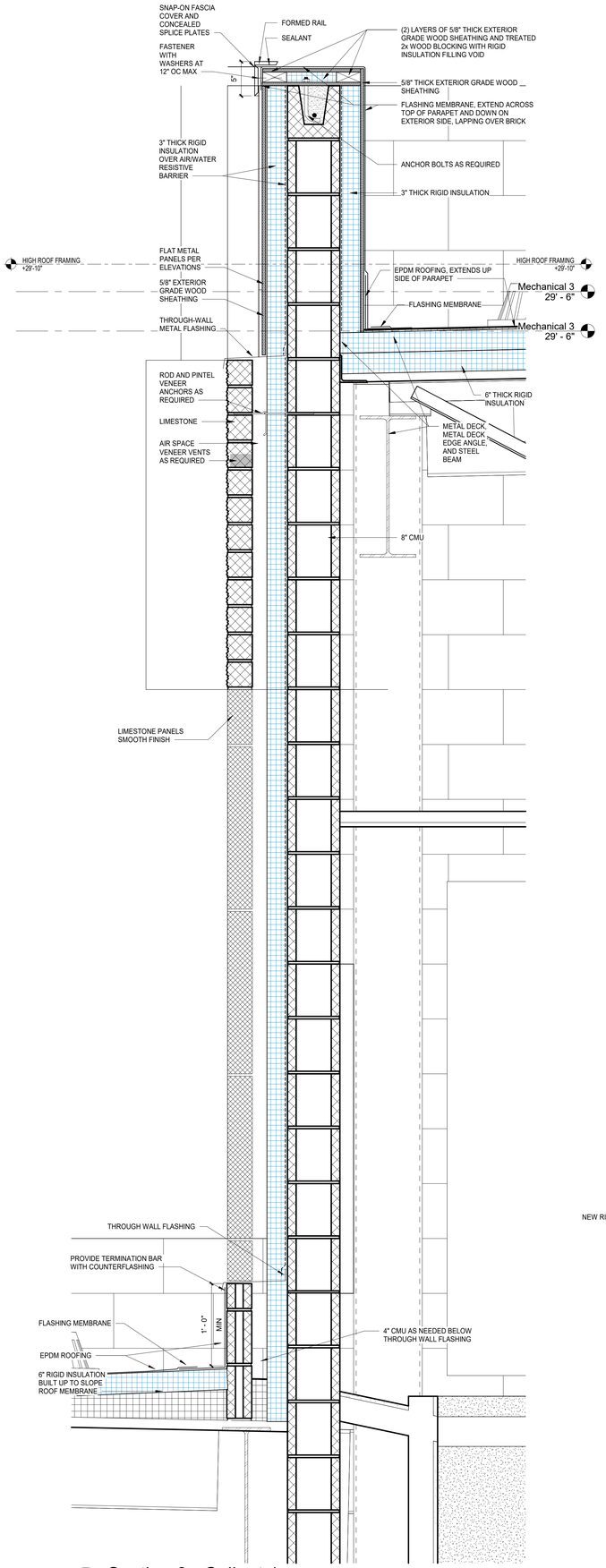
100% CONSTRUCTION DOCUMENTS

PROJECT:	#26102
DATE:	07-03-2026
DRAWN BY:	Author

WALL SECTIONS

A311

PLOT DATE/TIME: 7/29/2026 9:48:59 AM



5 Section 6 - Callout 1
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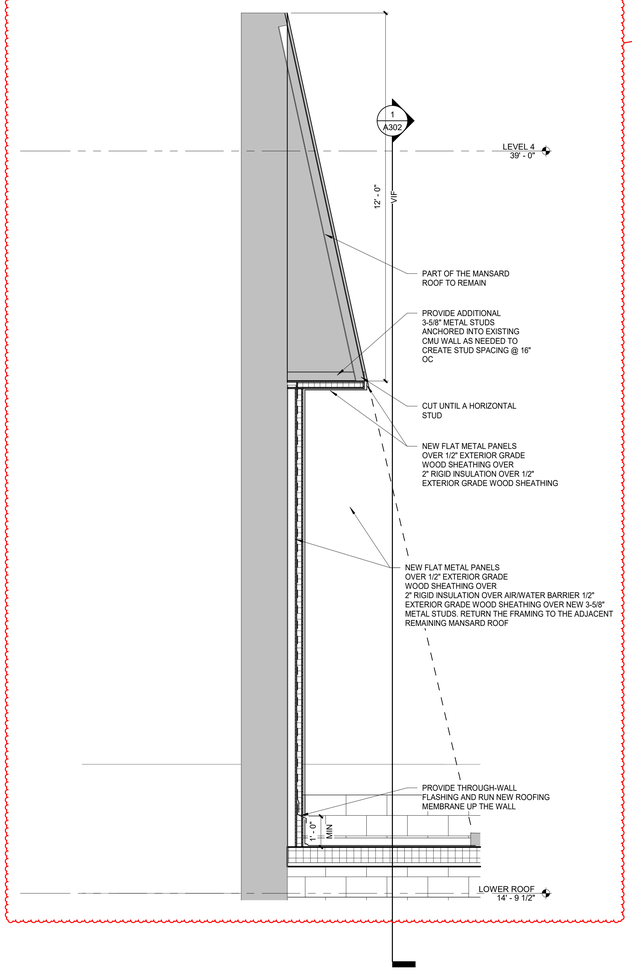
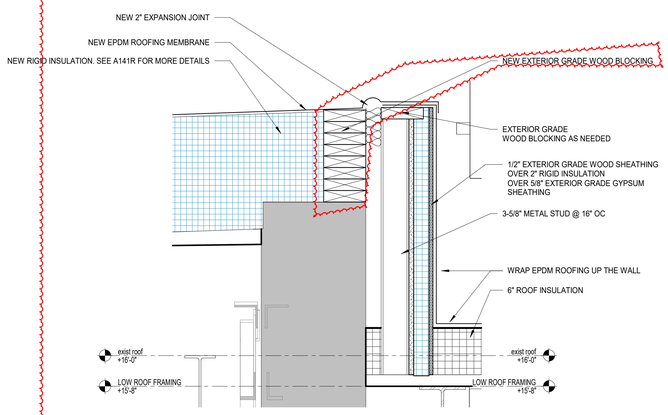
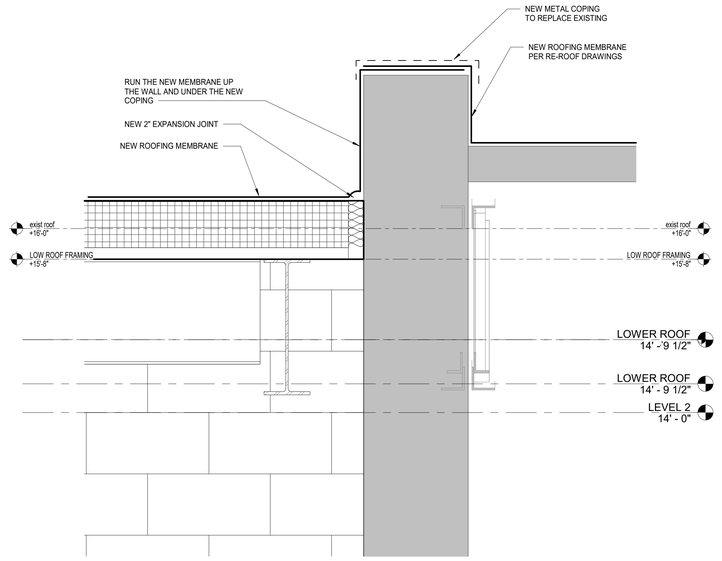


4 MANSARD ROOF DEMOLITION DETAIL
SCALE: 1/2" = 1'-0" REF. 1 / A102B3



3 Detail 12
SCALE: 1 1/2" = 1'-0" REF. 1 / A102B3



2 Detail 14
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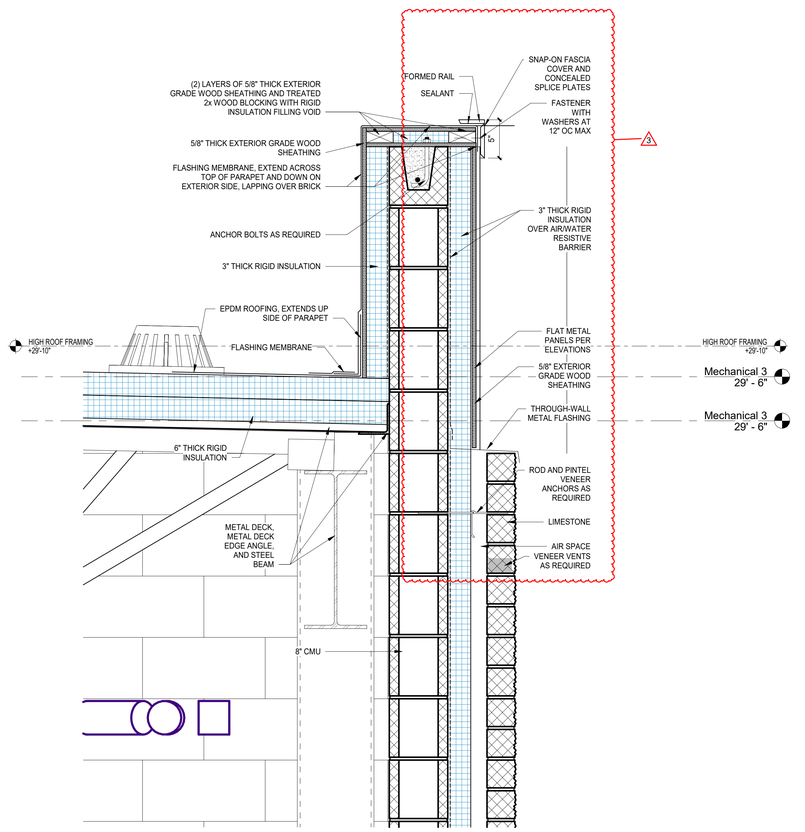


1 Detail 11
SCALE: 1 1/2" = 1'-0" REF. 2 / A301

LANCER ASSOCIATES ARCHITECTURE
145 NORTH EAST STREET
INDIANAPOLIS, IN 46204

RICHLAND-BEAN BLOSSOM CSC
ADDITION/RENOVATION TO EDGEWOOD HS
601 EDGEWOOD DR,
ELLETTSVILLE, IN 47429

TERRI L. CRIPPEN REGISTERED No. 80001331 STATE OF INDIANA

REVISIONS:			
	#	Date	Desc.
1	1	07-17-2026	ADD#01
3	3	07-30-2026	ADD#04

100% CONSTRUCTION DOCUMENTS

PROJECT:	#26102
DATE:	07-03-2026
DRAWN BY:	Author

WALL SECTIONS

A312

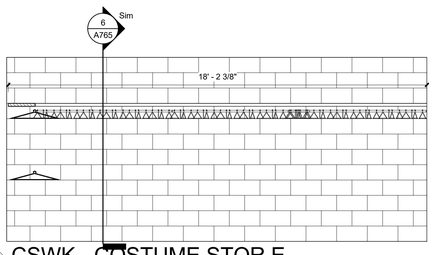
PLOT DATE/TIME: 7/29/2026 8:54:12 AM

GENERAL CASEWORK NOTES

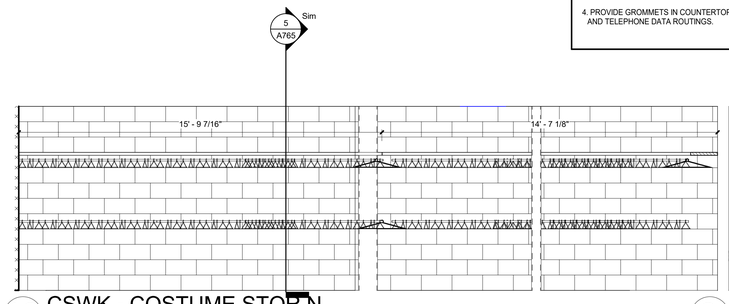
1. FABRICATE WOODWORK/ MILLWORK ITEMS TO ACTUAL FIELD DIMENSIONS. CONTRACTOR SHALL SUBMIT FOR DESIGNERS APPROVALS SHOP DRAWING SAMPLES OR MANUFACTURER'S LITERATURE FOR ALL ITEMS. SHOP DRAWINGS SHALL SHOW SUFFICIENT DETAIL TO DETERMINE COMPLIANCE WITH STANDARDS AND DESIGN INTENT.
2. PROVIDE ALL NECESSARY FURRING AND GROUNDS FOR WOODWORK AND FINISH ITEMS. COORDINATE LOCATION OF BLOCKING WITHIN FRAMED WALLS AS NECESSARY FOR ITEMS TO BE SECURED TO SURFACE. ALL FASTENERS SHALL BE CONCEALED.
3. FINISH ALL SIDES AND BACK OF MILLWORK/ CASEWORK
4. PROVIDE GROMMETS IN COUNTERTOPS ABOVE ALL ELECTRICAL RECEPTICALS AND TELEPHONE DATA ROUTINGS.
5. ALL PULLS TO BE 4" SATIN NICKEL SOLID WIRE PULL
6. PROVIDE LOCKS FOR ALL STORAGE CASE CABINETS/ TALL STORAGE CABINETS, ALL DRAWERS AND DOORS, ALL UPPER WALL CABINETS AND ALL DISPLAY CASE SLIDING GLASS PANELS.
7. ALL PLASTIC LAMINATE SURFACES ON EXTERIOR OF CABINETS SHALL BE A STANDARD COLOR AS LISTED ON THE FINISH SCHEDULE, PL-1.
8. ALL INTERIORS BEHIND DOORS/ DRAWERS AND NOT VISIBLE SHALL BE WHITE.
9. ALL SOLID SURFACE COUNTERTOPS SHALL BE A STANDARD COLOR AS SELECTED BY THE ARCHITECT
10. SEE ELEC. DWGS FOR ELECTRICAL DEVICES.

ELEVATION NOTES

1 3" THICK FABRIC-WRAPPED INSULATED ABSORBER PANELS 6' - 0" X 4' - 0"
2 3" THICK FABRIC-WRAPPED INSULATED DIFFUSER PANELS
3 MOTORISED WINDOW SHADES, TEX-2.
4 CURTAIN ON A TRACK MOUNTED TO THE WALL. EXTEND THE TRACK THE LENGTH OF THE ROOM
5 WALL-MOUNTED MIRRORS
6 SLIDING ALUMINUM WINDOW
7 4" THICK FABRIC-WRAPPED INSULATED ABSORBER PANELS 6' - 0" X 4' - 0"
8 4" THICK FABRIC-WRAPPED INSULATED ABSORBER PANELS 3' - 0" X 4' - 0"
9 3" THICK FABRIC-WRAPPED INSULATED DIFFUSER PANELS 3' - 0" X 3' - 0"
10 3" THICK FABRIC-WRAPPED INSULATED ABSORBER PANELS 3' - 0" X 4' - 0"
11 16' LONG WHITE BOARD TO BE ANGLED 3 DEGREES UPWARD
12 4" THICK FABRIC-WRAPPED INSULATED ABSORBER PANELS 4' - 0" X 4' - 0"
13 3" THICK FABRIC-WRAPPED INSULATED ABSORBER PANELS 4' - 0" X 4' - 0"
14 WALL-MOUNTED CURTAIN TRACK EXTENSION
15 PROVIDE FINISHED EDGE.
16 PROVIDE FINISHED TRIM.
17 ACOUSTICAL WALL PANEL, AWP-1.
18 ACOUSTICAL WALL PANEL, AWP-2
19 METAL, DOUBLE-TIER LOCKER, LR-1. REFER TO FINISH LEGEND.
20 ACCENT PAINT, PT-4 (RED). REFER TO FINISH LEGEND.
21 PLASTIC LAMINATE CASEWORK, PL-2.
22 SOLID SURFACE, SS-1. REFER TO FINISH LEGEND.
23 METAL LAB CASEWORK, MTL-1. REFER TO FINISH LEGEND.
24 SOLID SURFACE, SS-2. REFER TO FINISH LEGEND.
25 MUSICAL INSTRUMENT STORAGE SIMILAR TO WENGER INSTRUMENT ULTRASTOR UNITS. UNITS TO BE PL-2. PROVIDE BLACK, OPEN GRILLE. INDIVIDUAL DOORS FOR EACH COMPARTMENT. PROVIDE ACOUSTICAL BACK FOR EACH COMPARTMENT. PROVIDE SOLID TOP EXTENDING TO THE BACK WALL.
26 PLASTIC LAMINATE PANELS, PL-2 ON Z-CLIP INSTALL. USE MANF. RECOMMENDED TRIM FOR EDGE FINISH AND SEAMS. REFER TO MANUFACTURER INSTALL GUIDE.



11 CSWK - COSTUME STOR E
SCALE: 3/8" = 1'-0" REF. 1 / A721B3



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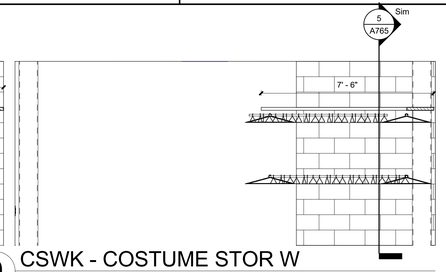

9 CSWK - COSTUME STOR W
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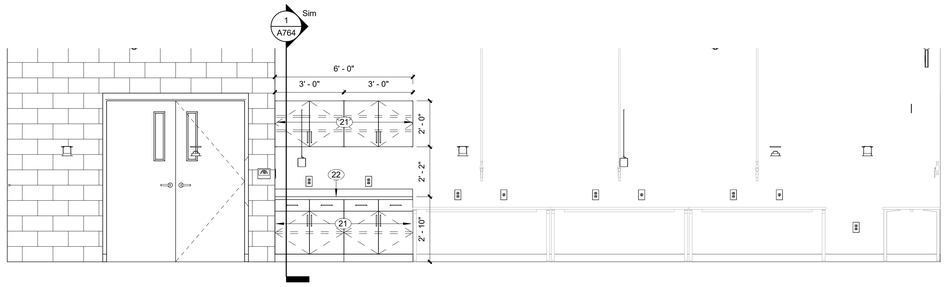
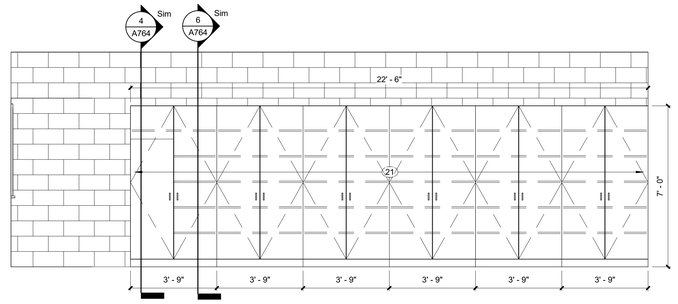
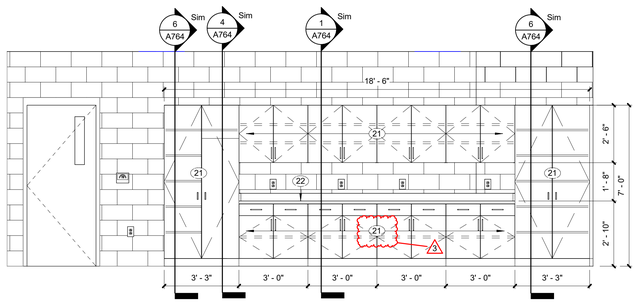


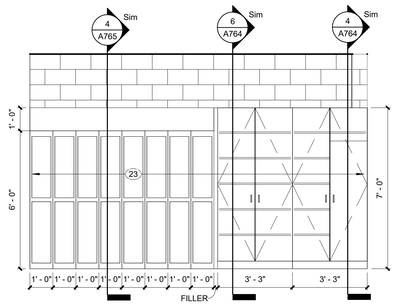
8 CSWK - LAB #2 109 E
SCALE: 3/8" = 1'-0" REF. 1 / A721B2



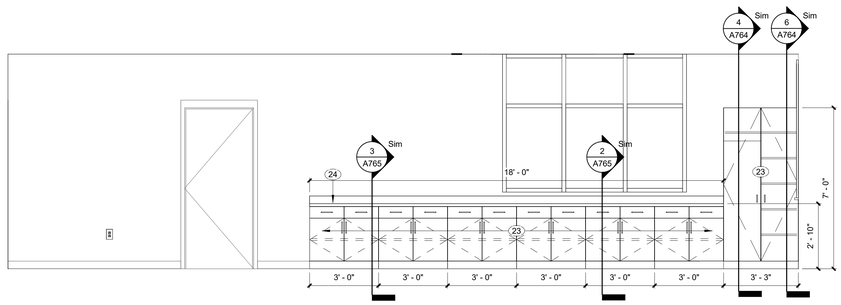
7 CSWK - CLASSROOM 105 S
SCALE: 3/8" = 1'-0" REF. 1 / A721B2



6 CSWK - TYP. CLASSROM CSWK
SCALE: 3/8" = 1'-0" REF. 1 / A721B2



5 CSWK - LAB #1 ENTRY 103 E
SCALE: 3/8" = 1'-0" REF. 1 / A721B2



4 CSWK - LAB #1 103 S
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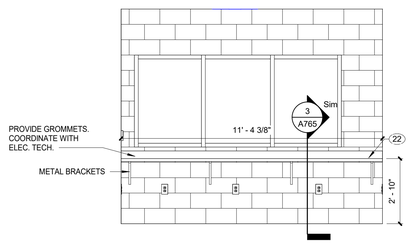

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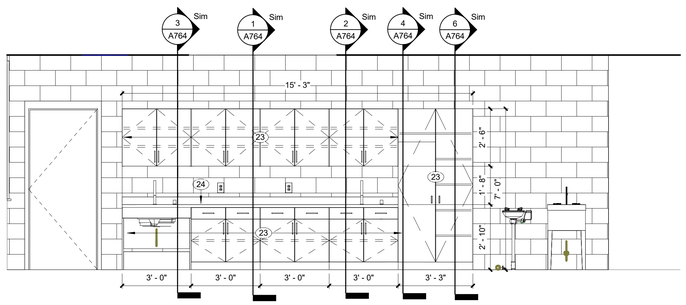
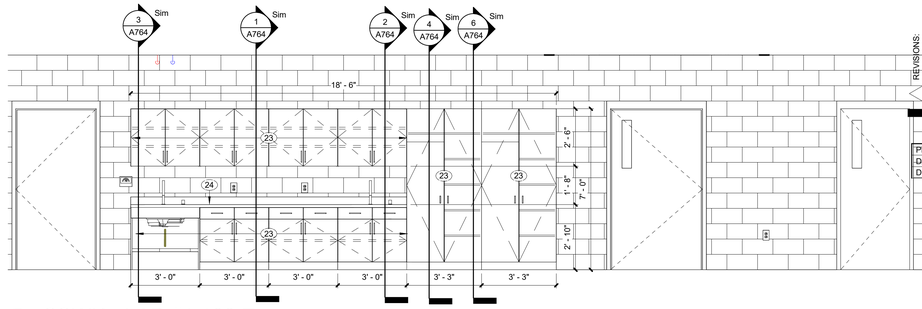
SCALE: 3/8" = 1'-0" REF. 1 / A721B2



2 CSWK - LAB #1 103 N
SCALE: 3/8" = 1'-0" REF. 1 / A721B2



1 CSWK - LAB #1 103 E
SCALE: 3/8" = 1'-0" REF. 1 / A721B2

LANCER ASSOCIATES ARCHITECTURE
145 NORTH EAST STREET
INDIANAPOLIS, IN 46204

RICHLAND-BEAN BLOSSOM CSC
ADDITION/RENOVATION TO EDGEWOOD HS
601 EDGEWOOD DR,
ELLETTSVILLE, IN 47429

JERRY L. CRIPE REGISTERED No. 880133 STATE OF INDIANA

#	Date	Desc.
3	07-30-2026	ADD#04

REVISIONS:

100% CONSTRUCTION DOCUMENTS

PROJECT: #26102
DATE: 07-03-2026
DRAWN BY: Author

CASEWORK ELEVATIONS

A762

PLOT DATE/TIME:7/30/2026 8:58:03 PM

GENERAL CASEWORK NOTES

1. FABRICATE WOODWORK/ MILLWORK ITEMS TO ACTUAL FIELD DIMENSIONS. CONTRACTOR SHALL SUBMIT FOR DESIGNERS APPROVALS SHOP DRAWING SAMPLES OR MANUFACTURER'S LITERATURE FOR ALL ITEMS. SHOP DRAWINGS SHALL SHOW SUFFICIENT DETAIL TO DETERMINE COMPLIANCE WITH STANDARDS AND DESIGN INTENT.
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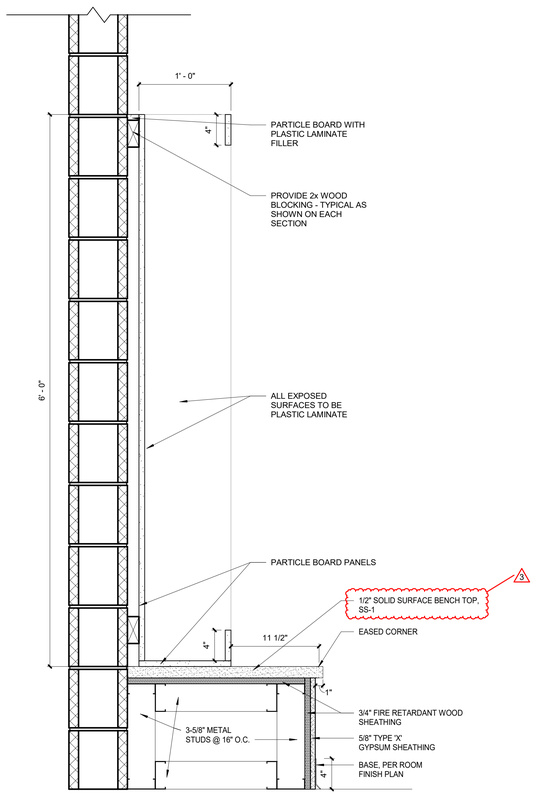
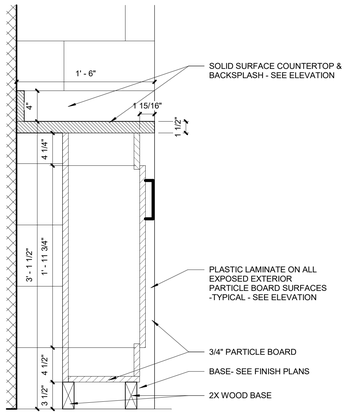
9. ALL SOLID SURFACE COUNTERTOPS SHALL BE A STANDARD COLOR AS SELECTED BY THE ARCHITECT
10. SEE ELEC. DWGS FOR ELECTRICAL DEVICES.



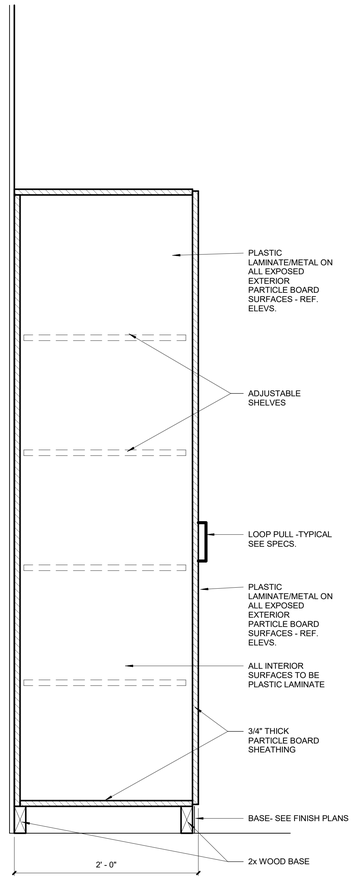
8 CSWK - GUARD CUBBY SECTION

SCALE: 1 1/2" = 1'-0" REF. 3 / A761



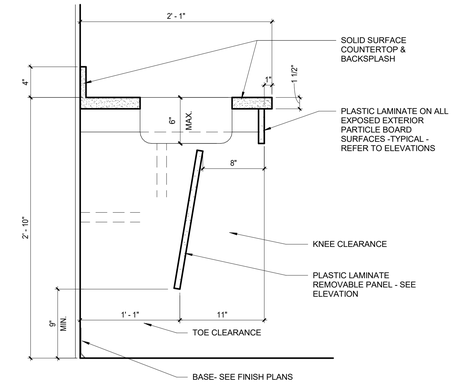
7 CASEWORK TV WALL CORRIDOOR 100c SECTION

SCALE: 1 1/2" = 1'-0" REF. 9 / A761



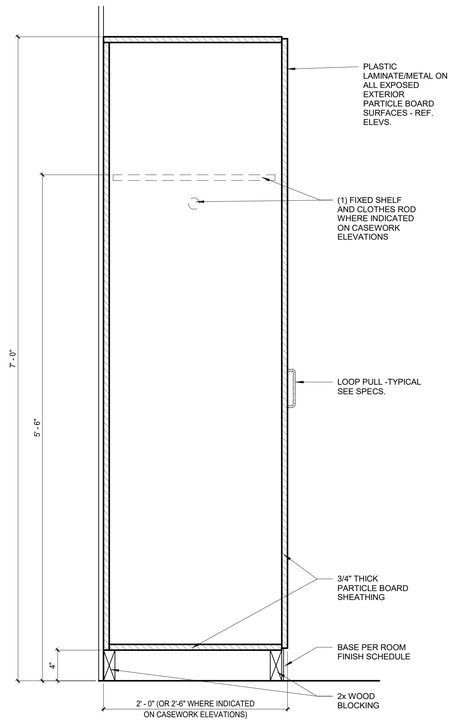
6 CASEWORK TALL CABINET SECTION

SCALE: 1 1/2" = 1'-0" REF. 1 / A762



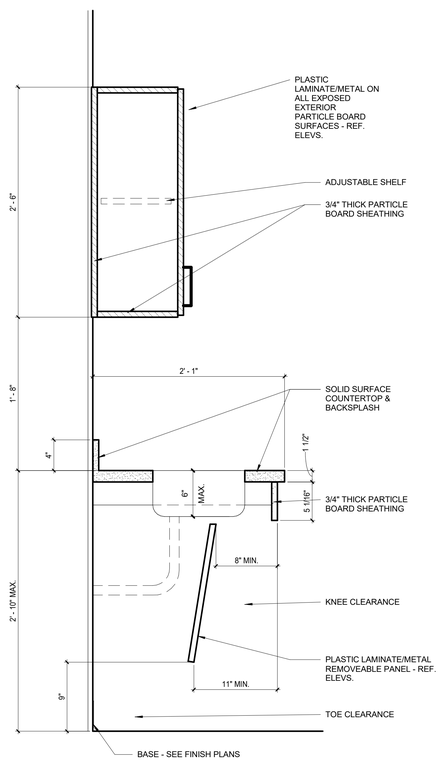
5 ADA SINK BASE SECTION

SCALE: 1 1/2" = 1'-0" REF. 7 / A761



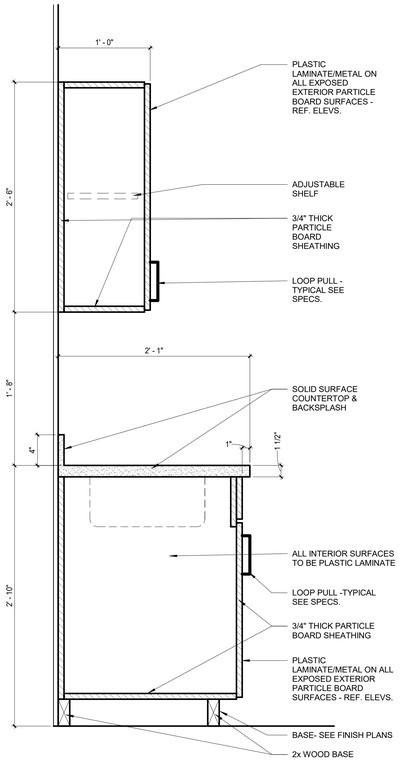
4 CASEWORK TALL WARDROBE SECTION

SCALE: 1 1/2" = 1'-0" REF. 1 / A761



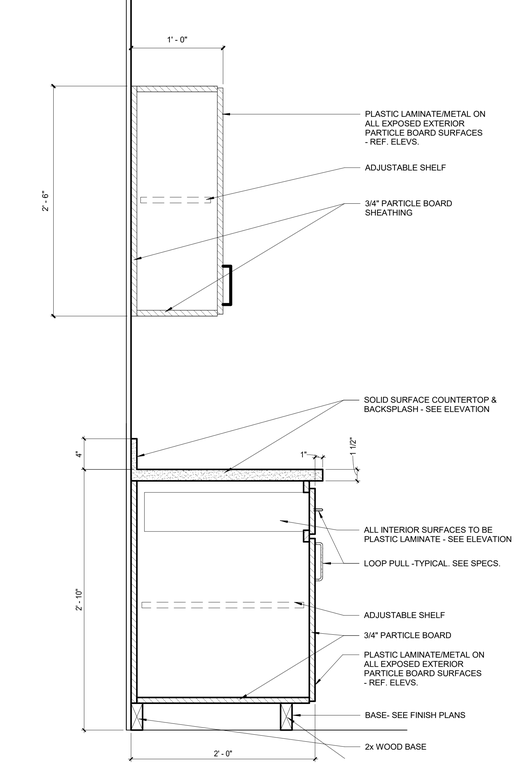
3 CASEWORK LOWER W/HC SINK SECTION

SCALE: 1 1/2" = 1'-0" REF. 5 / A761



2 CASEWORK UPPER & LOWER W/ SINK SECTION

SCALE: 1 1/2" = 1'-0" REF. 1 / A762



1 CASEWORK UPPER & LOWER SECTION

SCALE: 1 1/2" = 1'-0" REF. 5 / A761

PLOT DATE/TIME:7/29/2026 8:45:44 PM

LANCER ASSOCIATES ARCHITECTURE
145 NORTH EAST STREET
INDIANAPOLIS, IN 46204

RICHLAND-BEAN BLOSSOM CSC
ADDITION/RENOVATION TO EDGEWOOD HS
601 EDGEWOOD DR,
ELLETTSVILLE, IN 47429

JEREMY L CRIPPS REGISTERED NO. 880133 STATE OF INDIANA

REVISIONS:

#	Date	Desc.
3	07-30-2026	ADD#04

100% CONSTRUCTION DOCUMENTS

PROJECT:	#26102
DATE:	07-03-2026
DRAWN BY:	Author

CASEWORK SECTIONS

A764

GENERAL CASEWORK NOTES

1. FABRICATE WOODWORK/ MILLWORK ITEMS TO ACTUAL FIELD DIMENSIONS. CONTRACTOR SHALL SUBMIT FOR DESIGNERS APPROVALS SHOP DRAWING SAMPLES OR MANUFACTURER'S LITERATURE FOR ALL ITEMS. SHOP DRAWINGS SHALL SHOW SUFFICIENT DETAIL TO DETERMINE COMPLIANCE WITH STANDARDS AND DESIGN INTENT.

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4. PROVIDE GROMMETS IN COUNTERTOPS ABOVE ALL ELECTRICAL RECEPTICALS AND TELEPHONE DATA ROUTINGS.

5. ALL PULLS TO BE 4" SATIN NICKEL SOLID WIRE PULL

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9. ALL SOLID SURFACE COUNTERTOPS SHALL BE A STANDARD COLOR AS SELECTED BY THE ARCHITECT

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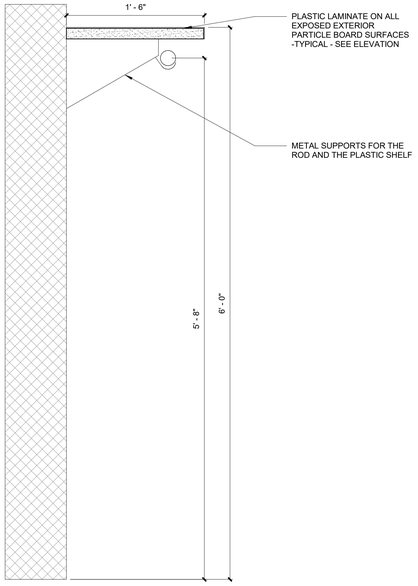
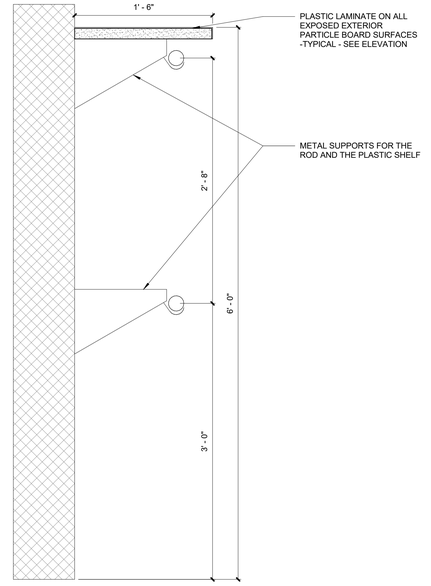
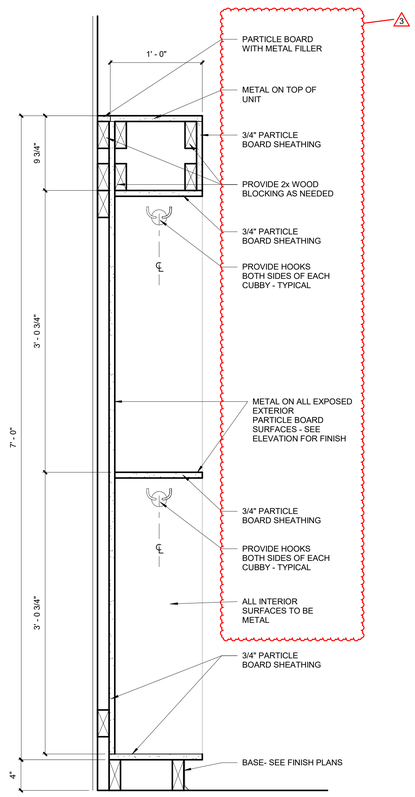


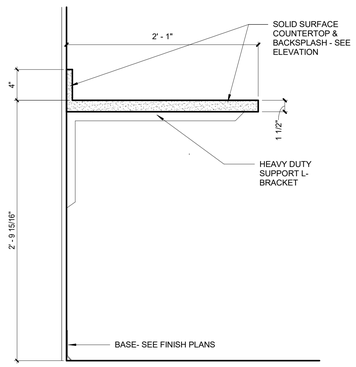
6 CSWK - SINGLE ROD AND SHELF SECTION
SCALE: 1 1/2" = 1'-0" REF. 11 / A762



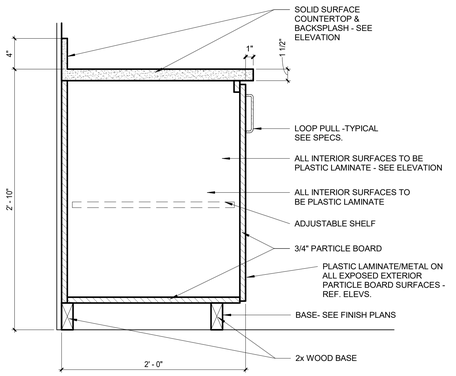
5 CSWK - DOUBLE ROD AND SHELF SECTION
SCALE: 1 1/2" = 1'-0" REF. 9 / A762



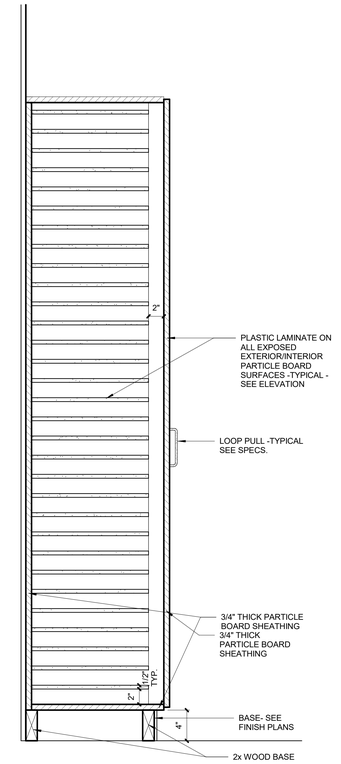
4 CASEWORK CUBBIES SECTION
SCALE: 1 1/2" = 1'-0" REF. 5 / A762



3 CASEWORK COUNTERTOP W/BACKSPLASH SECTION
SCALE: 1 1/2" = 1'-0" REF. 3 / A762



2 CASEWORK BASE CABINET SECTION
SCALE: 1 1/2" = 1'-0" REF. 4 / A762



1 CASEWORK TALL MUSIC FOLIO SECTION
SCALE: 1 1/2" = 1'-0" REF. 10 / A761

PLOT DATE/TIME:7/29/2026 5:04:24 PM

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601 EDGEWOOD DR,
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REVISIONS:		
#	Date	Desc.
3	07-30-2026	ADDEND4

100% CONSTRUCTION DOCUMENTS

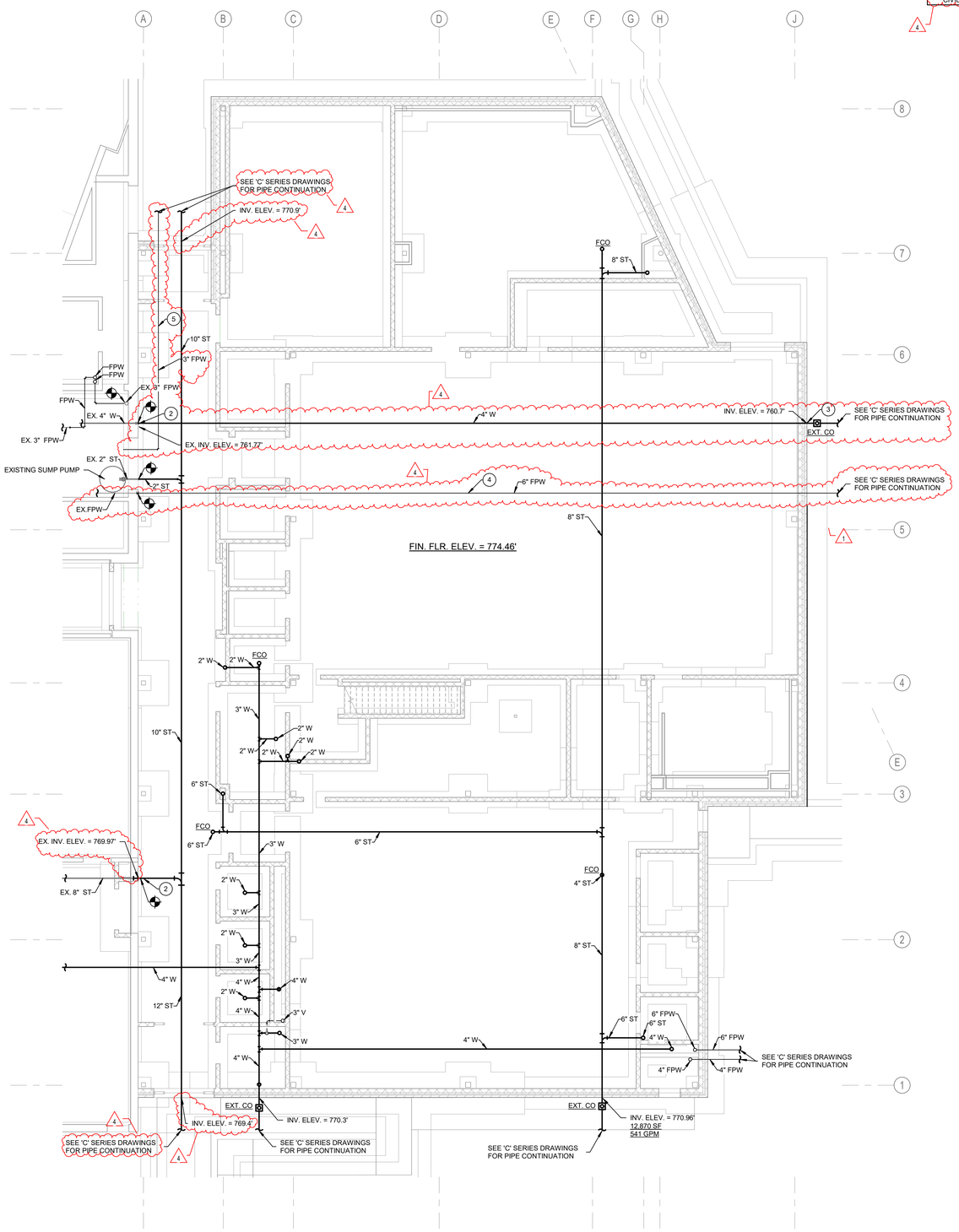
PROJECT: #26102
DATE: 07-03-2026
DRAWN BY: Author

CASEWORK SECTIONS

A765

FOUNDATION PLUMBING PLAN NOTES

1 ABANDON EXISTING STORM PIPING AND FILL WITH FLOWABLE FILL.
2 VERIFY PIPE INVERT PRIOR TO THE START OF ANY WORK.
3 COORDINATE PIPE INVERT WITH EXISTING INVERT AT EXISTING BUILDING AND CIVIL DRAWINGS.
4 THIS 6" TEMPORARY FIRE PROTECTION LINE IS SHOWN FOR REFERENCE ONLY. SEE CIVIL DRAWINGS FOR MORE INFORMATION.
5 THIS 3" TEMPORARY FIRE PROTECTION LINE IS SHOWN FOR REFERENCE ONLY. SEE CIVIL DRAWINGS FOR MORE INFORMATION.



1 **PLUMBING FOUNDATION PLAN - UNIT B3**
1/8" = 1'-0"

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ELLETTSVILLE, IN 47429

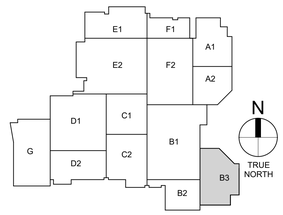
GABRIEL S. CURRIER
REGISTERED
NO. PE10808972
STATE OF INDIANA
PROFESSIONAL ENGINEER

REVISIONS:		
#	Date	Desc.
1	07-17-2026	Addendum #1
2	07-29-2026	Addendum #4

100% CONSTRUCTION DOCUMENTS

PROJECT: #26102
DATE: 07-03-2026
DRAWN BY: IOP/CH

PLUMBING FOUNDATION PLAN - UNIT B3



PF102B3

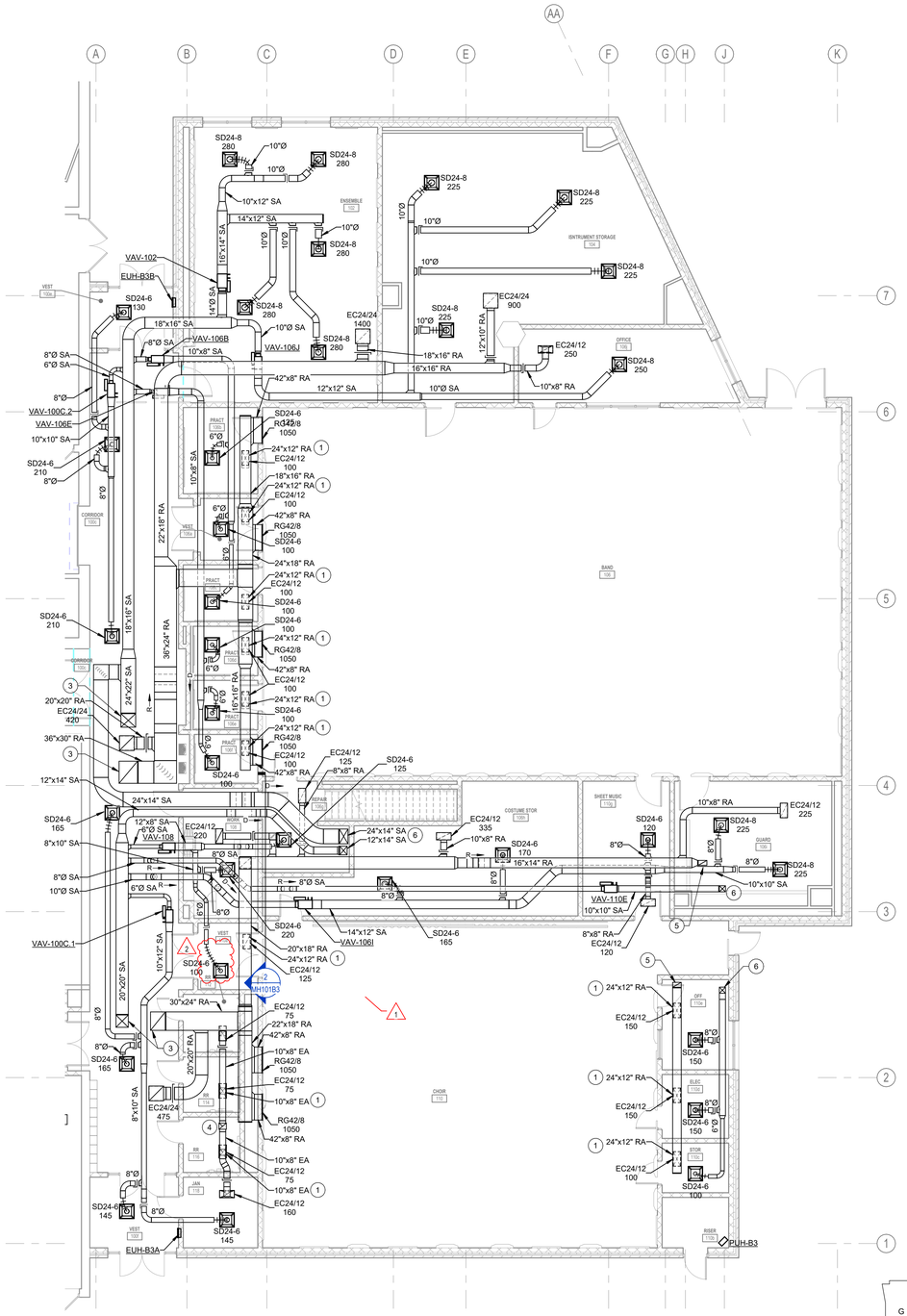
PLOT DATE/TIME: 7/29/2026 9:35:58 AM

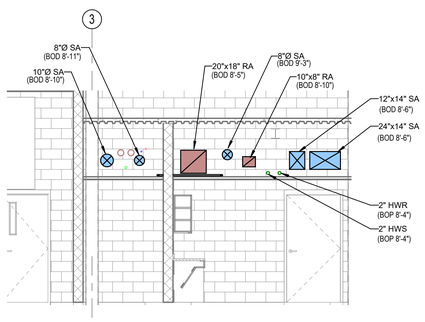
GENERAL MECHANICAL NOTES

A DARK LINES INDICATE NEW WORK.
B LIGHT SOLID LINES INDICATE EXISTING MECHANICAL EQUIPMENT, DUCTWORK, PIPING, AND/OR MECHANICAL ACCESSORIES TO REMAIN AS-IS. CONTRACTOR TO FIELD VERIFY ACTUAL EXISTING CONDITIONS PRIOR TO BIDDING.

MECHANICAL HVAC PLAN NOTES

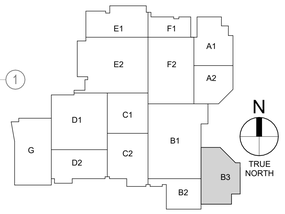
1 PROVIDE BALANCE DAMPER IN VERTICAL.
2 EXHAUST UP TO EF-B2A ON ROOF.
3 SUPPLY AND RETURN UP TO RTU ON ROOF. TRANSITON DUCT TO RTU AS REQUIRED.
4 12"x10" EXHAUST DUCT UP TO EF-B3A ON ROOF.
5 RETURN DUCT UP.
6 SUPPLY DUCT DOWN.
6 SUPPLY DUCT UP.
7 RETURN DUCT DOWN.
8 SUPPLY DUCT DOWN.





2 DUCT & PIPING ELEVATIONS - UNIT B3
1/4" = 1'-0"

1 MECHANICAL HVAC FIRST FLOOR PLAN - UNIT B3
1/8" = 1'-0"



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ELLETTSVILLE, IN 47429

GABRIEL S. CURRIER REGISTERED NO. PE10808972 STATE OF INDIANA PROFESSIONAL ENGINEER

REVISIONS:

#	Date	Desc.
1	07-17-2026	ADDENDUM #1
2	07-29-2026	ADDENDUM #4

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PROJECT:	#26102
DATE:	07-03-2026
DRAWN BY:	CSM

MECHANICAL HVAC FIRST FLOOR PLAN - UNIT B3

MH101B3

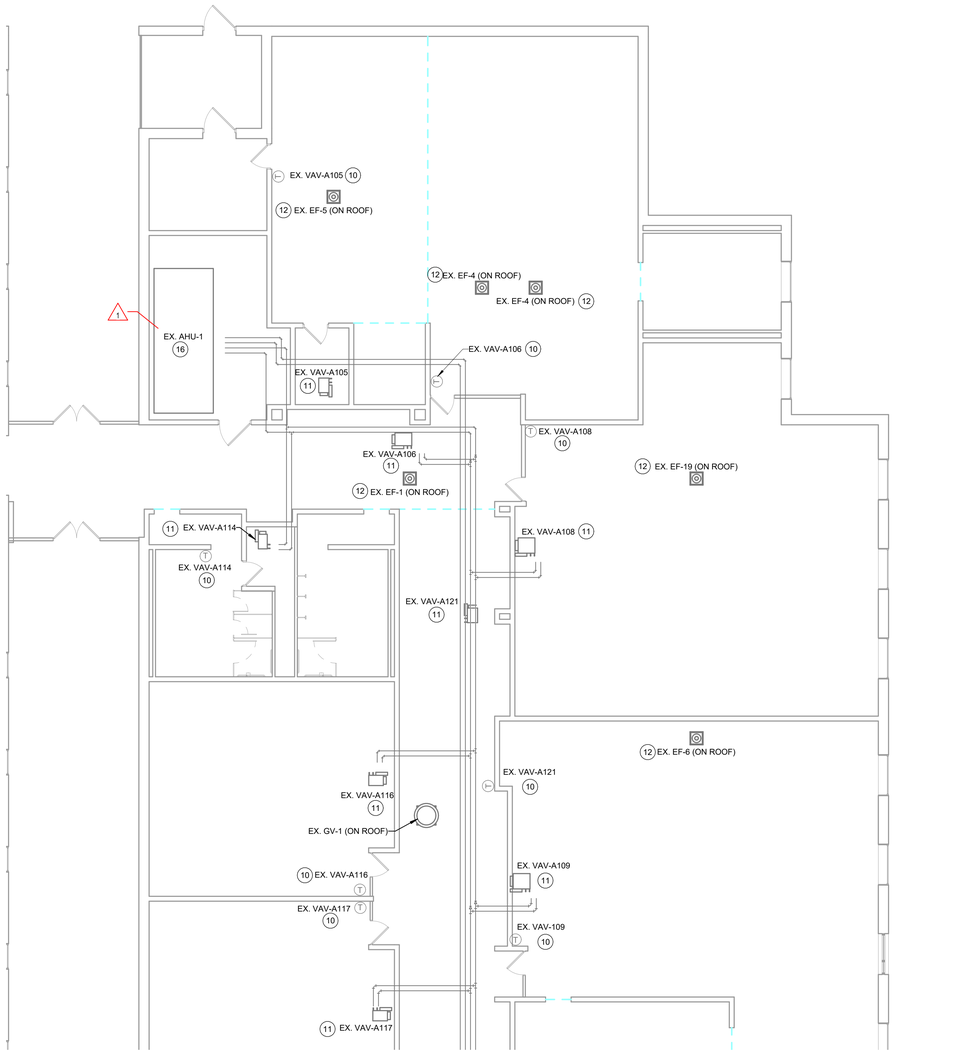
PLOT DATE/TIME: 7/29/2026 11:11:59 AM

GENERAL PIPING NOTES

A DARK LINES INDICATE NEW WORK.
B LIGHT SOLID LINES INDICATE EXISTING MECHANICAL EQUIPMENT, DUCTWORK, PIPING, AND/OR MECHANICAL ACCESSORIES TO REMAIN AS-IS. CONTRACTOR TO FIELD VERIFY ACTUAL EXISTING CONDITIONS PRIOR TO BIDDING.
C PROVIDE SHUTOFF VALVES AT EVERY BRANCH CONNECTION TO A MAIN.
D NEW SHUTOFF VALVES SHALL BE INSTALLED FOR ALL NEW HYDRONIC EQUIPMENT.

MECHANICAL PIPING PLAN NOTES

1 UNIT MOUNT THERMOSTAT TO UNIT HEATER. MOUNT BOTTOM OF UNIT HEATER 8'-0" A.F.F.
2 1-1/2" HWS & HWR UP TO MEZZANINE ABOVE.
3 1" CD UP.
4 ROUTE 1" CD TO FLOOR DRAIN.
5 ROUTE REFRIGERANT LINES UP TO CU-B3 ON ROOF.
6 1" CD DOWN.
7 1-1/2" HWS & HWR DOWN.
8 TEMPERATURE SENSOR TO REPORT TO BMS TO MONITOR SPACE TEMP IN ROOM.
9 ROUTE 1-14" HEADER TO DOWN. HWS & HWR TO VAV-106.1 & 106.2 IS 1" HWS & HWR. SEE DETAIL 13 ON M-501.
10 REMOVE EXISTING SPACE TEMPERATURE SENSOR AND COMMUNICATION WIRING COMPLETE. PROVIDE NEW TEMPERATURE SENSOR AND COMMUNICATION WIRING TO NEW DDC CONTROLLER AT VAV TERMINAL UNIT BEING CONTROLLED.
11 REMOVE EXISTING CONTROLLER AND DAMPER ACTUATOR AT VAV TERMINAL UNIT. PROVIDE NEW DDC CONTROLLER AND DAMPER ACTUATOR IN EXISTING VAV TERMINAL UNIT CONTROL ENCLOSURE. EXISTING HEATING HOT WATER TEMPERATURE CONTROL VALVE REMAINS. PROVIDE NEW CONTROL COMMUNICATION WIRING AS REQUIRED BETWEEN CONTROLLER AND TEMPERATURE CONTROL VALVE. MAINTAIN EXISTING SEQUENCE OF OPERATION. REFER TO TERMINAL UNITS - SEQUENCE OF OPERATION ON M-702.
12 REMOVE EXISTING CONTROL WIRE FROM EXHAUST FAN STARTER AND EXISTING CONTROLLER. REMOVE EXISTING CONTROLLER COMPLETE. EXISTING MOTOR STARTER REMAINS. PROVIDE NEW CONTROL WIRING FOR COMMUNICATION BETWEEN BMS AND EXHAUST FAN MOTOR STARTER. PROVIDE START/STOP OF EXHAUST FAN ON OWNER DEFINED SCHEDULE AND MONITOR STATUS AT OPERATOR WORK STATION. REFER TO EXISTING 'EXHAUST FAN - SEQUENCE OF OPERATION ON DRAWING M-702.
13 REMOVE EXISTING AHU/RTU TEMPERATURE SENSOR AND COMMUNICATION WIRING COMPLETE. PROVIDE NEW TEMPERATURE SENSOR AND COMMUNICATION WIRING TO NEW AHU/RTU DDC CONTROLLER.
14 PROVIDE NEW CONTROLLER FOR SINGLE ZONE VAV AHU. PROVIDE NEW COMMUNICATION WIRING FROM NEW CONTROLLER TO EXISTING CONTROL VALVE ACTUATORS AND DAMPER ACTUATORS. MAINTAIN EXISTING SEQUENCE OF OPERATION. REFER TO 'SINGLE ZONE VAV SEQUENCE OF OPERATION ON M-702.
15 PROVIDE NEW CONTROLLER TO PROVIDE COMMUNICATION FROM PACKAGE RTU CONTROLLER AND DUCT REHEAT COIL CONTROL VALVE AND BUILDING AUTOMATION SYSTEM. PROVIDE NEW COMMUNICATION WIRING BETWEEN EXISTING RTU AND DUCT REHEAT COIL TO NEW CONTROLLER. MAINTAIN EXISTING SEQUENCE OF OPERATION. REFER TO RTU-1 SEQUENCE OF OPERATION ON SHEET M-701.
16 PROVIDE NEW COMMUNICATION WIRING FROM NEW CONTROLLER TO EXISTING CONTROL VALVE ACTUATORS AND DAMPER ACTUATORS. MAINTAIN EXISTING SEQUENCE OF OPERATION. REFER TO VAV AIR HANDLING UNIT WITH REHEAT SEQUENCE OF OPERATION ON M-702. PROVIDE NEW VARIABLE FREQUENCY DRIVE FOR EACH FAN IN AHU. EXISTING VFD REMOVED BY DIV 26. VFD FURNISHED BY TCC AND INSTALLED BY DIV 26.
17 PROVIDE NEW CONTROLLER FOR FOUR-PIPE FAN COIL UNIT ABOVE CEILING. PROVIDE NEW COMMUNICATION WIRING FROM NEW CONTROLLER TO EXISTING CONTROL VALVE ACTUATORS AND DAMPER ACTUATORS AS REQUIRED. MAINTAIN EXISTING FAN COIL UNIT SEQUENCE OF OPERATION.
18 REMOVE EXISTING FCU TEMPERATURE SENSOR AND COMMUNICATION WIRING COMPLETE. PROVIDE NEW TEMPERATURE SENSOR AND COMMUNICATION WIRING TO NEW FCU DDC CONTROLLER.
19 PROVIDE NEW CONTROLLER FOR HEATING ONLY CABINET UNIT HEATER IN CEILING. PROVIDE NEW COMMUNICATION WIRING FROM NEW CONTROLLER TO EXISTING CONTROL VALVE ACTUATOR AND DAMPER ACTUATORS AS REQUIRED. MAINTAIN EXISTING CABINET UNIT HEATER SEQUENCE OF OPERATION.
20 REMOVE EXISTING CUH TEMPERATURE SENSOR AND COMMUNICATION WIRING COMPLETE. PROVIDE NEW TEMPERATURE SENSOR AND COMMUNICATION WIRING TO NEW CUH DDC CONTROLLER.



1 **MECHANICAL PIPING FIRST FLOOR PLAN - UNIT A1**
1/8" = 1'-0"

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GABRIEL S. CURLER
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PE10808972
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PROFESSIONAL ENGINEER

REVISIONS:

#	Date	Desc.
1	07-27-2026	ADDENDUM #3
2	07-29-2026	ADDENDUM #4

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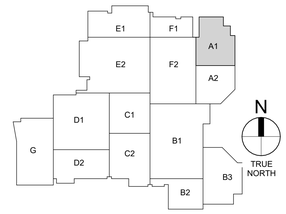
PROJECT: #26102
DATE: 07-03-2026
DRAWN BY: CSM

MECHANICAL PIPING FIRST FLOOR PLAN - UNIT A1



MP101A1

PLOT DATE/TIME: 7/29/2026 2:11:42 PM

GENERAL PIPING NOTES

A DARK LINES INDICATE NEW WORK.
B LIGHT SOLID LINES INDICATE EXISTING MECHANICAL EQUIPMENT, DUCTWORK, PIPING, AND/OR MECHANICAL ACCESSORIES TO REMAIN AS-IS. CONTRACTOR TO FIELD VERIFY ACTUAL EXISTING CONDITIONS PRIOR TO BIDDING.
C PROVIDE SHUTOFF VALVES AT EVERY BRANCH CONNECTION TO A MAIN.
D NEW SHUTOFF VALVES SHALL BE INSTALLED FOR ALL NEW HYDRONIC EQUIPMENT.

MECHANICAL PIPING PLAN NOTES

1 UNIT MOUNT THERMOSTAT TO UNIT HEATER. MOUNT BOTTOM OF UNIT HEATER 8'-0" A.F.F.
2 1-1/2" HWS & HWR UP TO MEZZANINE ABOVE.
3 1" CD UP.
4 ROUTE 1" CD TO FLOOR DRAIN.
5 ROUTE REFRIGERANT LINES UP TO CU-B3 ON ROOF.
6 1" CD DOWN.
7 1-1/2" HWS & HWR DOWN.
8 TEMPERATURE SENSOR TO REPORT TO BMS TO MONITOR SPACE TEMP IN ROOM.
9 ROUTE 1-14" HEADER TO DOWN. HWS & HWR TO VAV-106.1 & 106.2 IS 1" HWS & HWR. SEE DETAIL 13 ON M-501.
10 REMOVE EXISTING SPACE TEMPERATURE SENSOR AND COMMUNICATION WIRING COMPLETE. PROVIDE NEW TEMPERATURE SENSOR AND COMMUNICATION WIRING TO NEW DDC CONTROLLER AT VAV TERMINAL UNIT BEING CONTROLLED.
11 REMOVE EXISTING CONTROLLER AND DAMPER ACTUATOR AT VAV TERMINAL UNIT. PROVIDE NEW DDC CONTROLLER AND DAMPER ACTUATOR IN EXISTING VAV TERMINAL UNIT CONTROL ENCLOSURE. EXISTING HEATING HOT WATER TEMPERATURE CONTROL VALVE REMAINS. PROVIDE NEW CONTROL COMMUNICATION WIRING AS REQUIRED BETWEEN CONTROLLER AND TEMPERATURE CONTROL VALVE. MAINTAIN EXISTING SEQUENCE OF OPERATION. REFER TO TERMINAL UNITS - SEQUENCE OF OPERATION ON M-702.
12 REMOVE EXISTING CONTROL WIRE FROM EXHAUST FAN STARTER AND EXISTING CONTROLLER. REMOVE EXISTING CONTROLLER COMPLETE. EXISTING MOTOR STARTER REMAINS. PROVIDE NEW CONTROL WIRING FOR COMMUNICATION BETWEEN BMS AND EXHAUST FAN MOTOR STARTER. PROVIDE START/STOP OF EXHAUST FAN ON OWNER DEFINED SCHEDULE AND MONITOR STATUS AT OPERATOR WORK STATION. REFER TO EXISTING 'EXHAUST FAN - SEQUENCE OF OPERATION ON DRAWING M-702.
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14 PROVIDE NEW CONTROLLER FOR SINGLE ZONE VAV AHU. PROVIDE NEW COMMUNICATION WIRING FROM NEW CONTROLLER TO EXISTING CONTROL VALVE ACTUATORS AND DAMPER ACTUATORS. MAINTAIN EXISTING SEQUENCE OF OPERATION. REFER TO SINGLE ZONE VAV SEQUENCE OF OPERATION ON M-702.
15 PROVIDE NEW CONTROLLER TO PROVIDE COMMUNICATION FROM PACKAGE RTU CONTROLLER AND DUCT REHEAT COIL CONTROL VALVE AND BUILDING AUTOMATION SYSTEM. PROVIDE NEW COMMUNICATION WIRING BETWEEN EXISTING RTU AND DUCT REHEAT COIL TO NEW CONTROLLER. MAINTAIN EXISTING SEQUENCE OF OPERATION. REFER TO RTU-1 SEQUENCE OF OPERATION ON SHEET M-701.
16 PROVIDE NEW COMMUNICATION WIRING FROM NEW CONTROLLER TO EXISTING CONTROL VALVE ACTUATORS AND DAMPER ACTUATORS. MAINTAIN EXISTING SEQUENCE OF OPERATION. REFER TO VAV AIR HANDLING UNIT WITH REHEAT SEQUENCE OF OPERATION ON M-702. PROVIDE NEW VARIABLE FREQUENCY DRIVE FOR EACH FAN IN AHU. EXISTING VFD REMOVED BY DIV 26. VFD FURNISHED BY TCC AND INSTALLED BY DIV 26.
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18 REMOVE EXISTING FCU TEMPERATURE SENSOR AND COMMUNICATION WIRING COMPLETE. PROVIDE NEW TEMPERATURE SENSOR AND COMMUNICATION WIRING TO NEW FCU DDC CONTROLLER.
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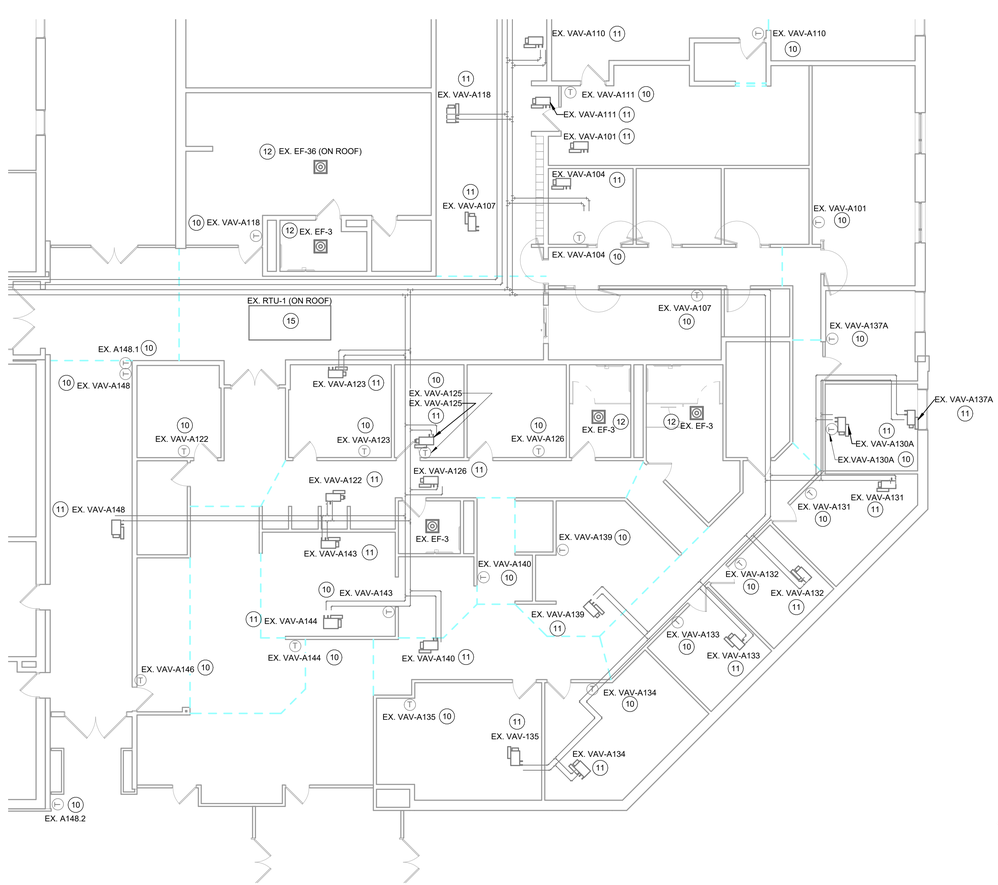
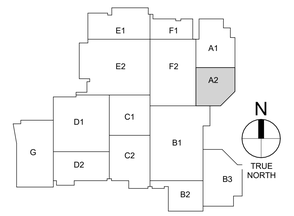


1 **MECHANICAL PIPING FIRST FLOOR PLAN - UNIT A2**
1/8" = 1'-0"



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GABRIEL S. CORRIER
REGISTERED
NO. PE10808972
STATE OF INDIANA
PROFESSIONAL ENGINEER

REVISIONS:	#	Date	Desc.
1	1	07-27-2026	ADDENDUM #3
2	2	07-29-2026	ADDENDUM #4

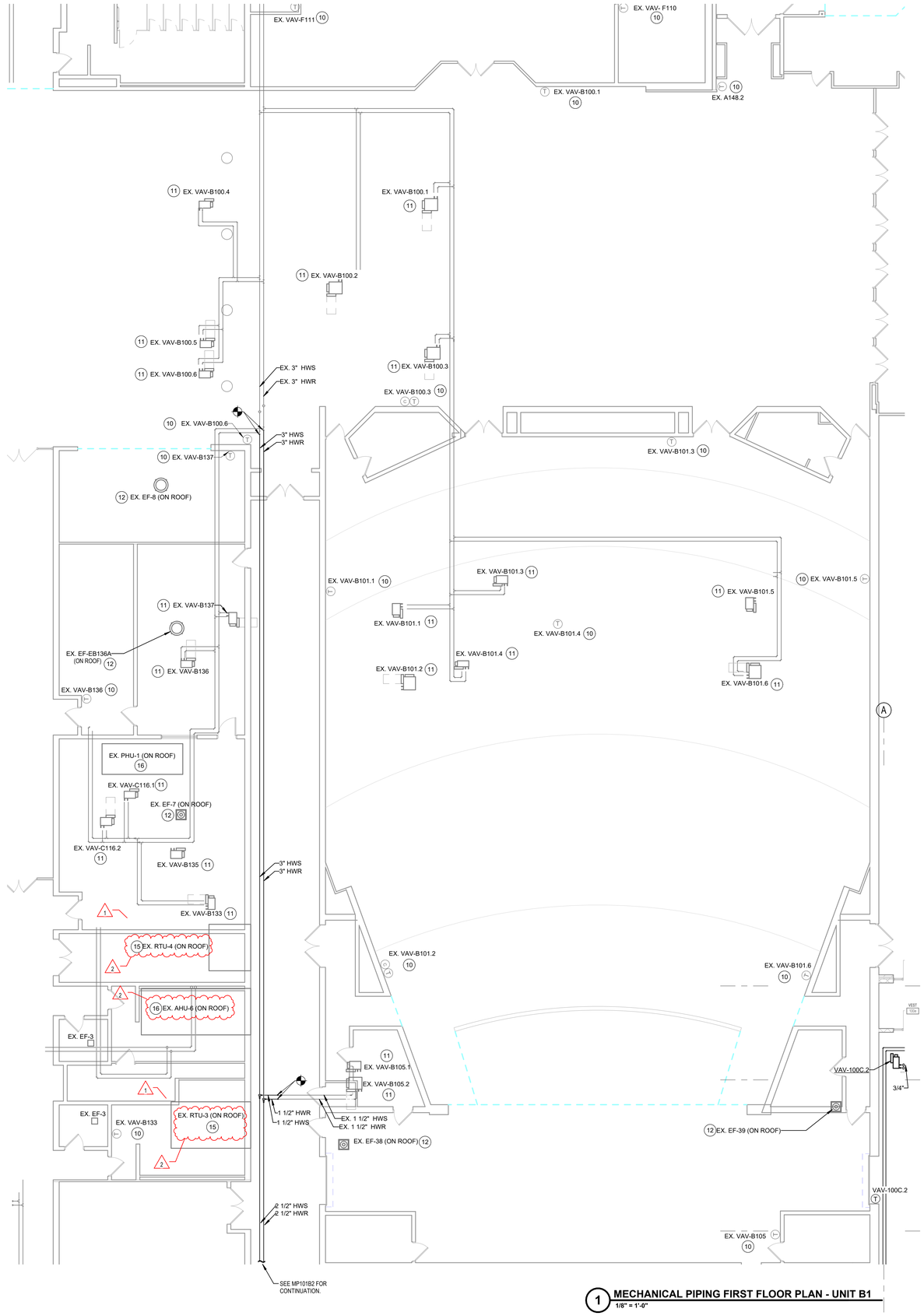
100% CONSTRUCTION DOCUMENTS

PROJECT: #26102
DATE: 07-03-2026
DRAWN BY: CSM

MECHANICAL PIPING FIRST FLOOR PLAN - UNIT A2

MP101A2

PLOT DATE/TIME: 7/28/2026 2:11:45 PM



1 **MECHANICAL PIPING FIRST FLOOR PLAN - UNIT B1**
1/8" = 1'-0"

GENERAL PIPING NOTES

A DARK LINES INDICATE NEW WORK.
B LIGHT SOLID LINES INDICATE EXISTING MECHANICAL EQUIPMENT, DUCTWORK, PIPING, AND/OR MECHANICAL ACCESSORIES TO REMAIN AS-IS. CONTRACTOR TO FIELD VERIFY ACTUAL EXISTING CONDITIONS PRIOR TO BIDDING.
C PROVIDE SHUTOFF VALVES AT EVERY BRANCH CONNECTION TO A MAIN.
D NEW SHUTOFF VALVES SHALL BE INSTALLED FOR ALL NEW HYDRONIC EQUIPMENT.

MECHANICAL PIPING PLAN NOTES

1 UNIT MOUNT THERMOSTAT TO UNIT HEATER. MOUNT BOTTOM OF UNIT HEATER 8'-0" A.F.F.
2 1-1/2" HWS & HWR UP TO MEZZANINE ABOVE.
3 1" CD UP.
4 ROUTE 1" CD TO FLOOR DRAIN.
5 ROUTE REFRIGERANT LINES UP TO CU-B3 ON ROOF.
6 1" CD DOWN.
7 1-1/2" HWS & HWR DOWN.
8 TEMPERATURE SENSOR TO REPORT TO BMS TO MONITOR SPACE TEMP IN ROOM.
9 ROUTE 1-14" HEADER TO DOWN. HWS & HWR TO VAV-106.1 & 106.2 IS 1" HWS & HWR. SEE DETAIL 13 ON M-501.
10 REMOVE EXISTING SPACE TEMPERATURE SENSOR AND COMMUNICATION WIRING COMPLETE. PROVIDE NEW TEMPERATURE SENSOR AND COMMUNICATION WIRING TO NEW DDC CONTROLLER AT VAV TERMINAL UNIT BEING CONTROLLED.
11 REMOVE EXISTING CONTROLLER AND DAMPER ACTUATOR AT VAV TERMINAL UNIT. PROVIDE NEW DDC CONTROLLER AND DAMPER ACTUATOR IN EXISTING VAV TERMINAL UNIT CONTROL ENCLOSURE. EXISTING HEATING HOT WATER TEMPERATURE CONTROL VALVE REMAINS. PROVIDE NEW CONTROL COMMUNICATION WIRING AS REQUIRED BETWEEN CONTROLLER AND TEMPERATURE CONTROL VALVE. MAINTAIN EXISTING SEQUENCE OF OPERATION. REFER TO TERMINAL UNITS - SEQUENCE OF OPERATION ON M-702.
12 REMOVE EXISTING CONTROL WIRE FROM EXHAUST FAN STARTER AND EXISTING CONTROLLER. REMOVE EXISTING CONTROLLER COMPLETE. EXISTING MOTOR STARTER REMAINS. PROVIDE NEW CONTROL WIRING FOR COMMUNICATION BETWEEN BMS AND EXHAUST FAN MOTOR STARTER. PROVIDE START/STOP OF EXHAUST FAN ON OWNER DEFINED SCHEDULE AND MONITOR STATUS AT OPERATOR WORK STATION. REFER TO EXISTING EXHAUST FAN - SEQUENCE OF OPERATION ON DRAWING M-702.
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GABRIEL S. CURRIER REGISTERED NO. PE10808972 STATE OF INDIANA PROFESSIONAL ENGINEER

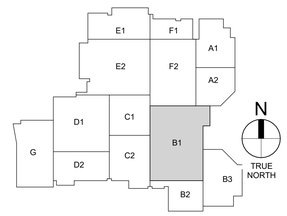
REVISIONS:		
#	Date	Desc.
1	07-27-2026	ADDENDUM #3
2	07-29-2026	ADDENDUM #4

100% CONSTRUCTION DOCUMENTS

PROJECT:	#26102
DATE:	07-03-2026
DRAWN BY:	CSM

MECHANICAL PIPING FIRST FLOOR PLAN - UNIT B1

MP101B1



PLOT DATE/TIME: 7/28/2026 2:11:48 PM

GENERAL PIPING NOTES

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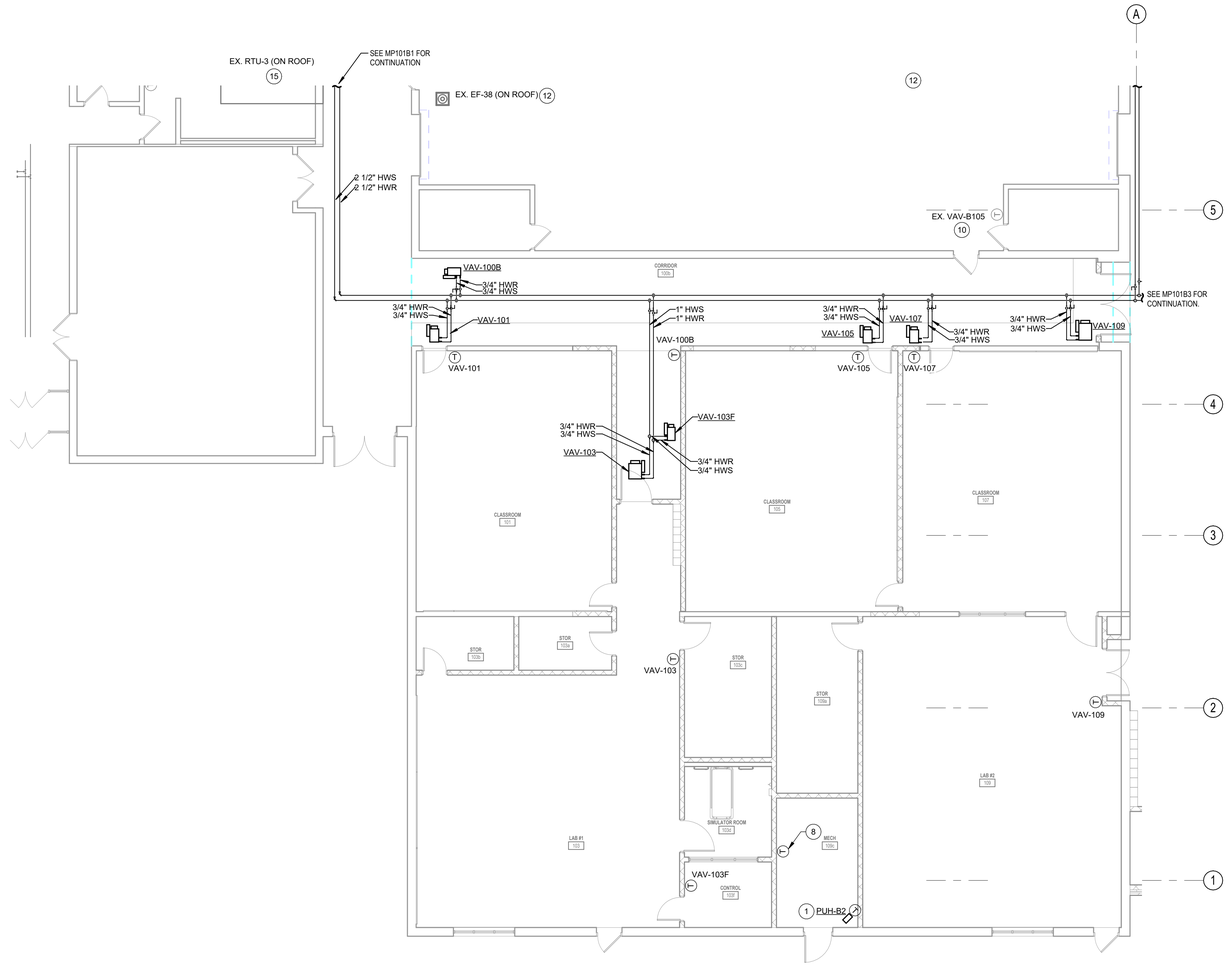
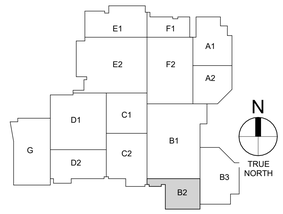


1 MECHANICAL PIPING FIRST FLOOR PLAN - UNIT B2
1/8" = 1'-0"



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REGISTERED
NO. PE10808972
STATE OF INDIANA
PROFESSIONAL ENGINEER

REVISIONS:	#	Date	Desc.
1		07-29-2026	ADDENDUM #4

100% CONSTRUCTION DOCUMENTS

PROJECT: #26102
DATE: 07-03-2026
DRAWN BY: CSM

MECHANICAL PIPING FIRST FLOOR PLAN - UNIT B2

MP101B2

PLOT DATE/TIME: 7/29/2026 2:11:51 PM

GENERAL PIPING NOTES

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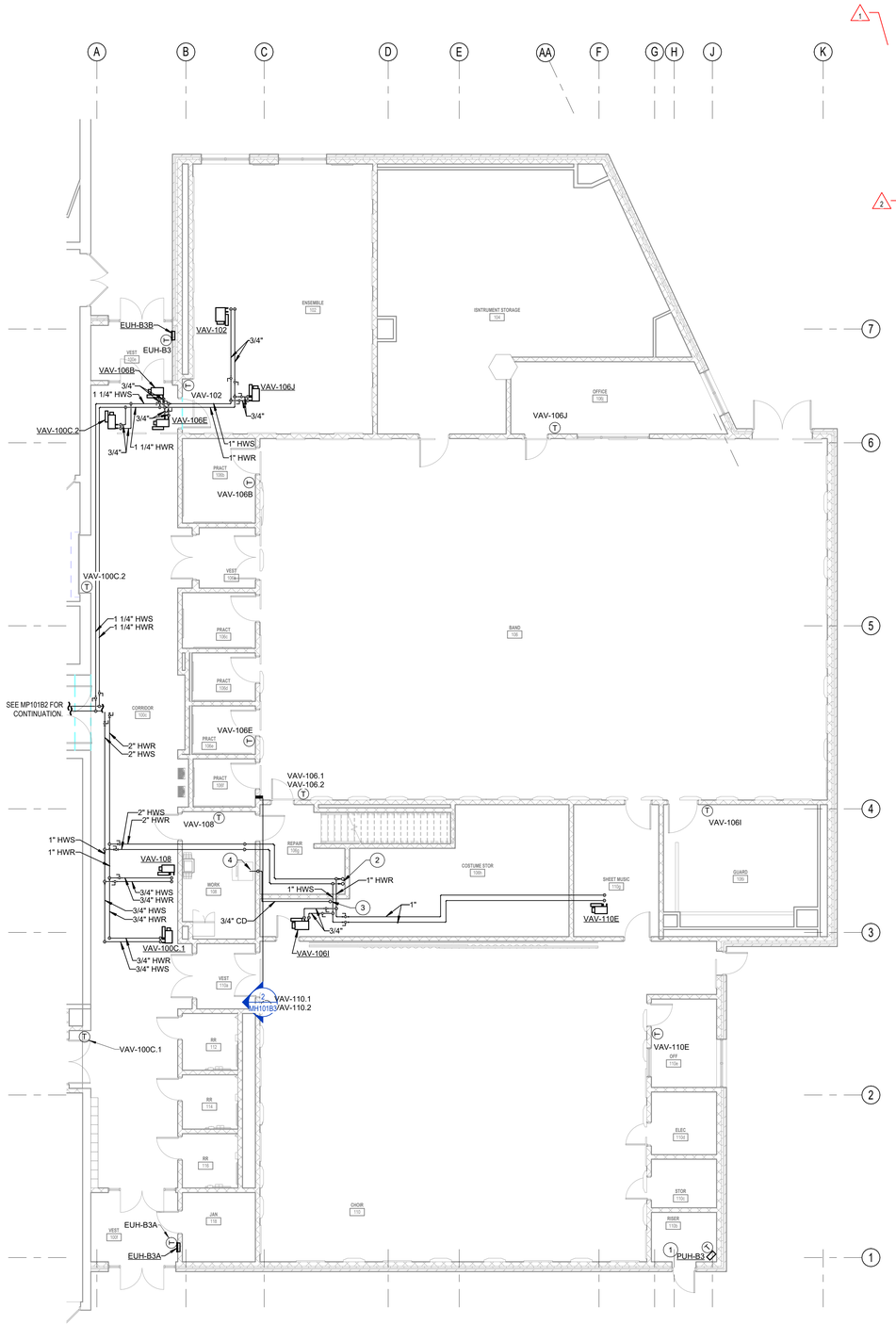

1 **MECHANICAL PIPING FIRST FLOOR PLAN - UNIT B3**
1/8" = 1'-0"

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REVISIONS:

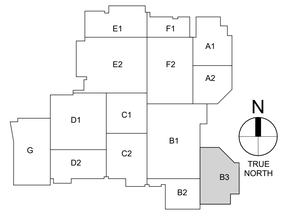
#	Date	Desc.
1	07-27-2026	ADDENDUM #3
2	07-29-2026	ADDENDUM #4

100% CONSTRUCTION DOCUMENTS

PROJECT: #26102
DATE: 07-03-2026
DRAWN BY: CSM

MECHANICAL PIPING FIRST FLOOR PLAN - UNIT B3

MP101B3



PLOT DATE/TIME: 7/29/2026 2:11:34 PM

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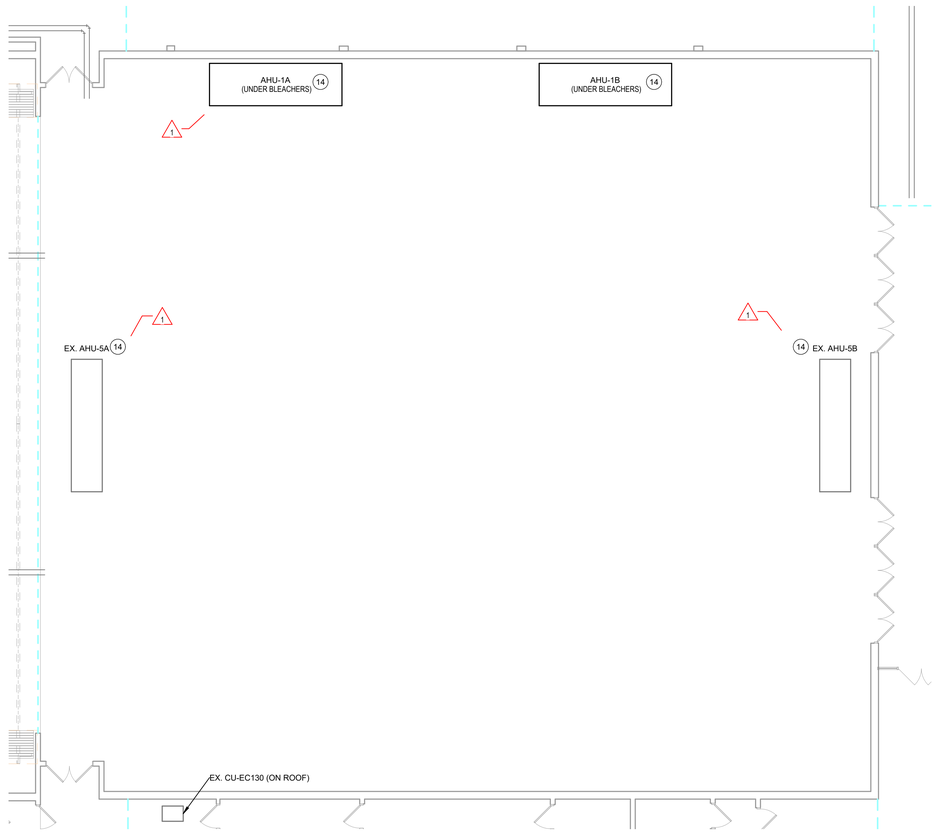

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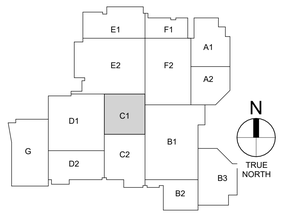
1/8" = 1'-0"



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REVISIONS:		
#	Date	Desc.
1	07-27-2026	ADDENDUM #3
2	07-29-2026	ADDENDUM #4

100% CONSTRUCTION DOCUMENTS

PROJECT: #26102
DATE: 07-03-2026
DRAWN BY: CSM

MECHANICAL PIPING FIRST FLOOR PLAN - UNIT C1

MP101C1

PLOT DATE/TIME: 7/29/2026 2:11:57 PM

GENERAL PIPING NOTES

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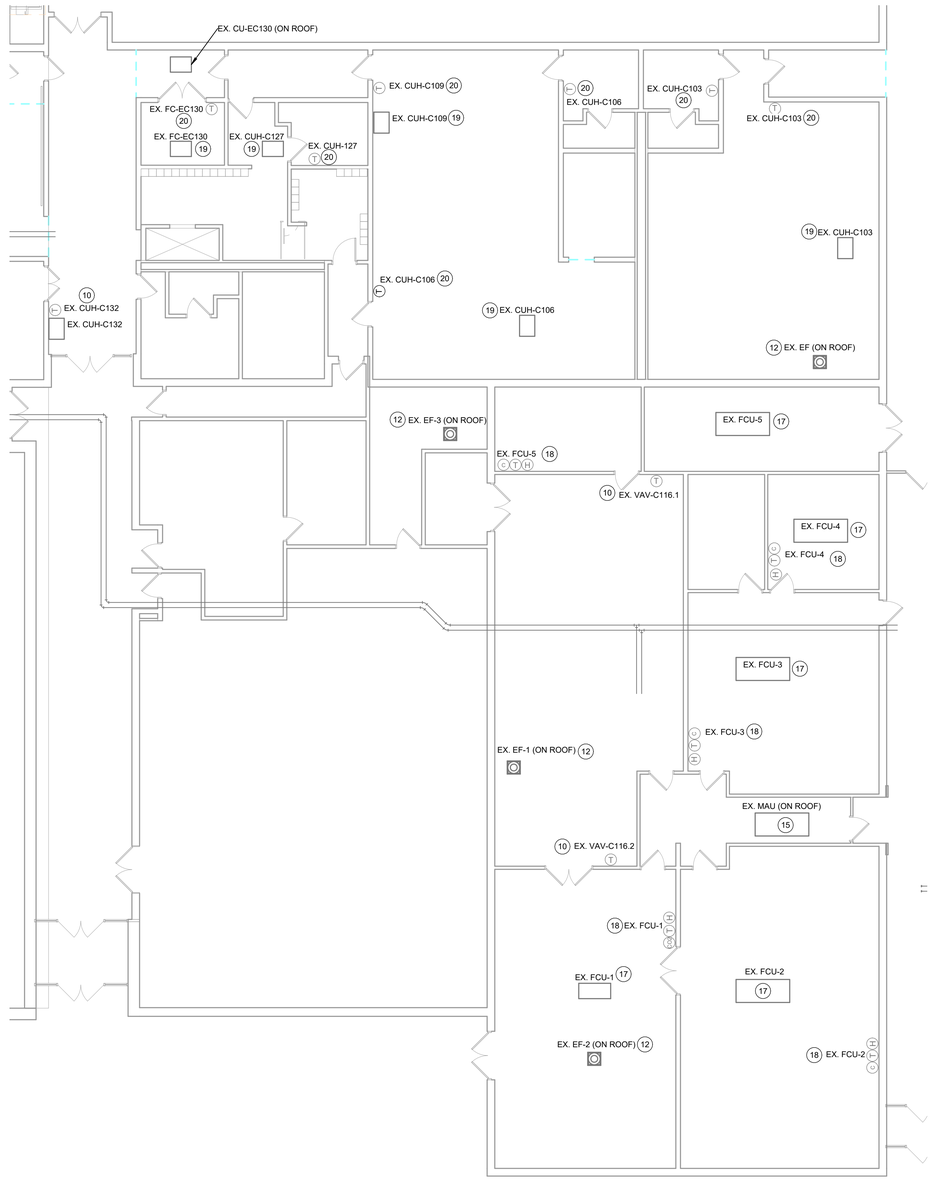
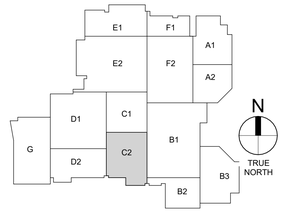


1 MECHANICAL PIPING FIRST FLOOR PLAN - UNIT C2
1/8" = 1'-0"



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GABRIEL S. CURDLER
REGISTERED
NO. PE10808972
STATE OF INDIANA
PROFESSIONAL ENGINEER

REVISIONS:

#	Date	Desc.
1	07-29-2026	ADDENDUM #4

100% CONSTRUCTION DOCUMENTS

PROJECT: #26102
DATE: 07-03-2026
DRAWN BY: CSM

MECHANICAL PIPING FIRST FLOOR PLAN - UNIT C2

MP101C2

PLOT DATE/TIME: 7/29/2026 2:11:59 PM

GENERAL PIPING NOTES

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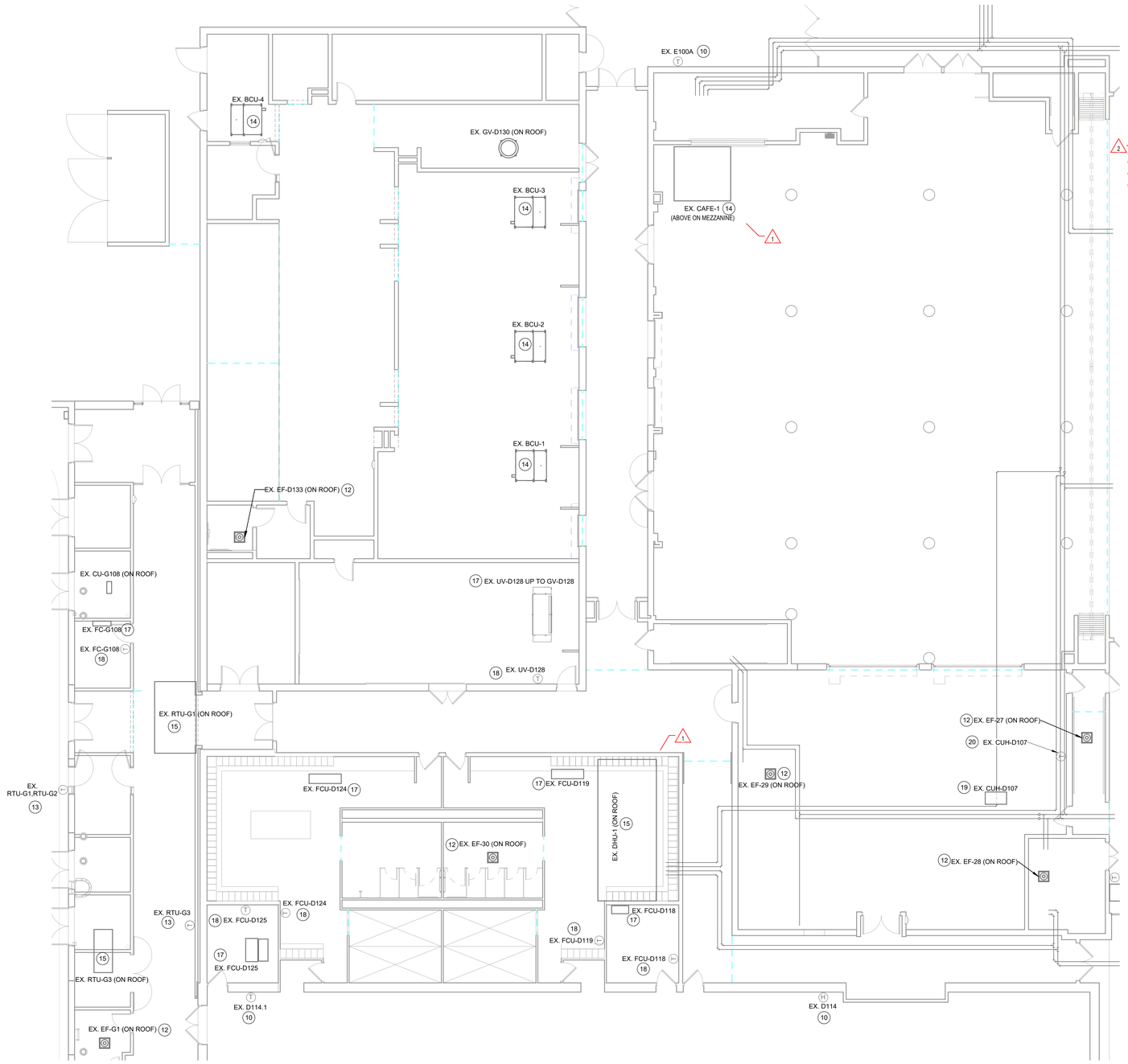

1 **MECHANICAL PIPING FIRST FLOOR PLAN - UNIT D1**
1/8" = 1'-0"

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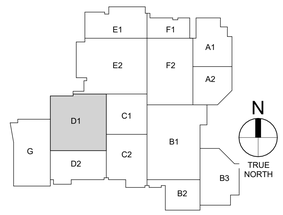
REVISIONS:			
#	Date	Desc.	
1	07-27-2026	ADDENDUM #3	
2	07-29-2026	ADDENDUM #4	

100% CONSTRUCTION DOCUMENTS

PROJECT: #26102
DATE: 07-03-2026
DRAWN BY: CSM

MECHANICAL PIPING FIRST FLOOR PLAN - UNIT D1



MP101D1

PLOT DATE/TIME:7/29/2026 1:12:02 PM

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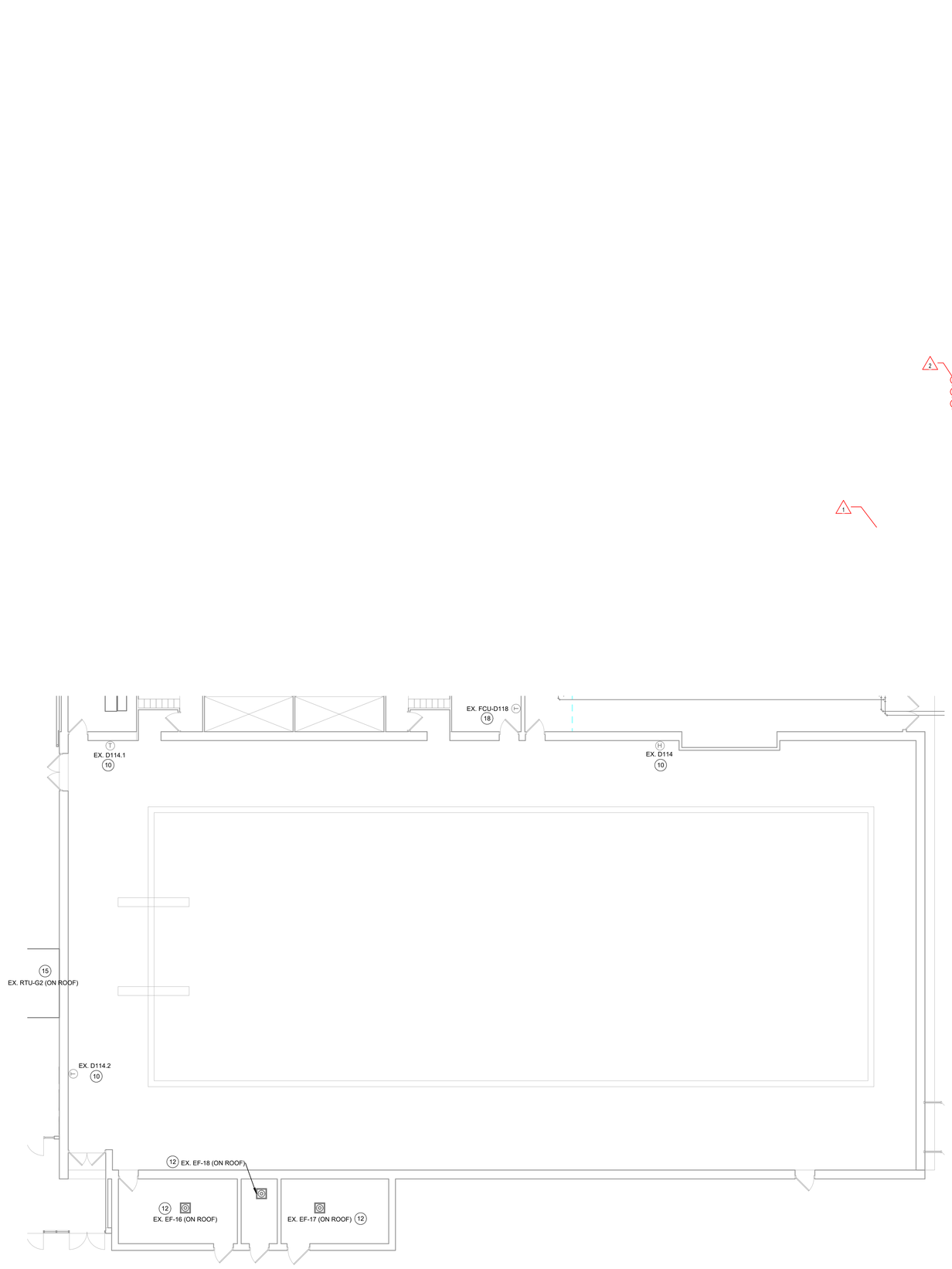
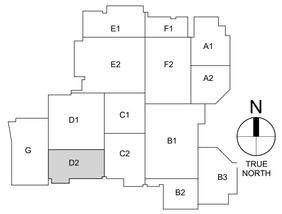


1 **MECHANICAL PIPING FIRST FLOOR PLAN - UNIT D2**
1/8" = 1'-0"



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REVISIONS:

#	Date	Desc.
1	07-27-2026	ADDENDUM #3
2	07-29-2026	ADDENDUM #4

100% CONSTRUCTION DOCUMENTS

PROJECT: #26102
DATE: 07-03-2026
DRAWN BY: CSM

MECHANICAL PIPING FIRST FLOOR PLAN - UNIT D2

MP101D2

PLOT DATE/TIME: 7/29/2026 2:12:05 PM

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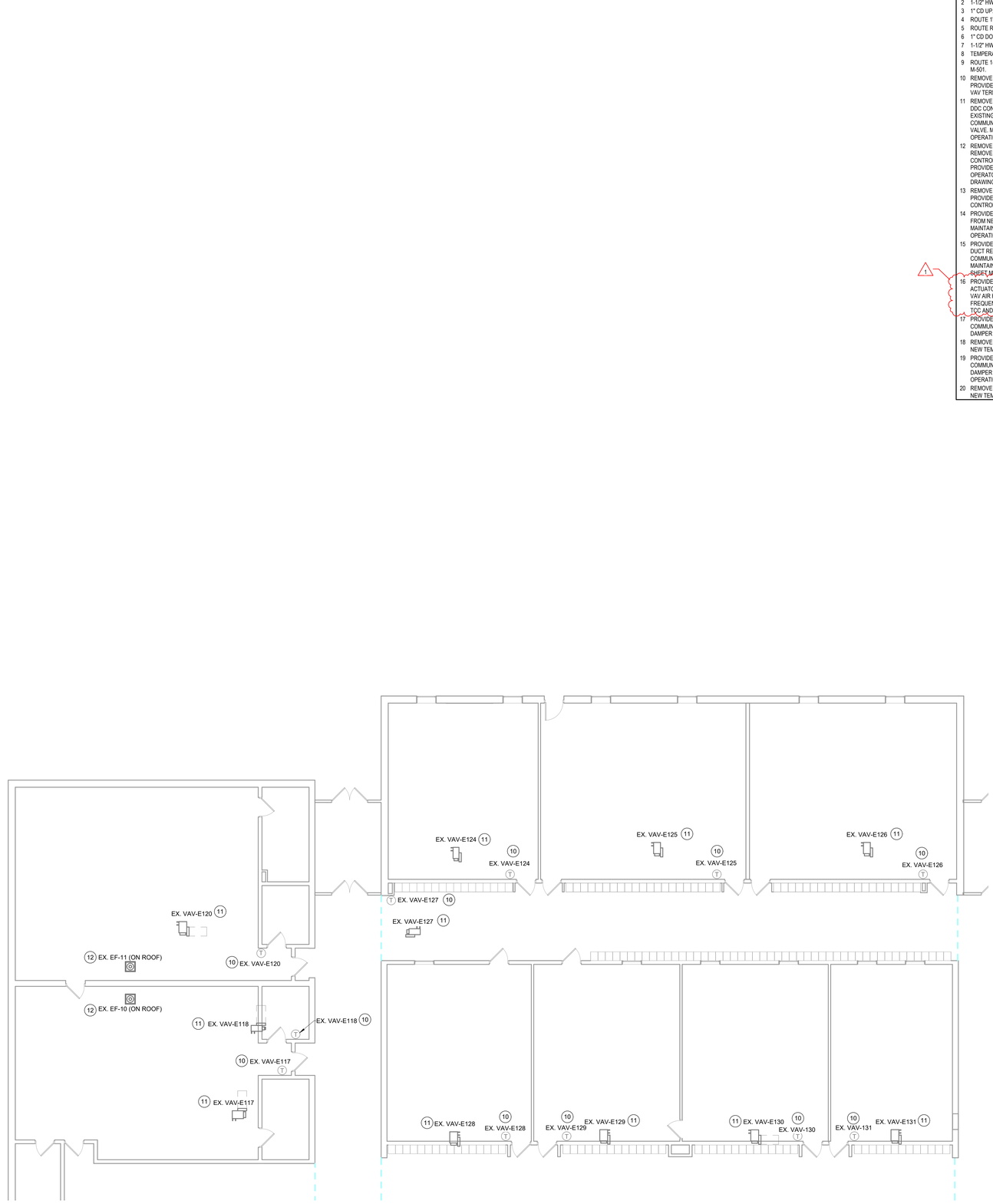

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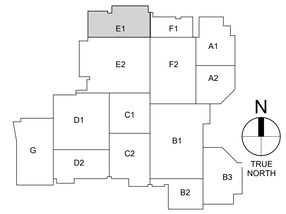
1/8" = 1'-0"



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REVISIONS:

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1	07-29-2026	ADDENDUM #4

100% CONSTRUCTION DOCUMENTS

PROJECT: #26102
DATE: 07-03-2026
DRAWN BY: CSM

MECHANICAL PIPING FIRST FLOOR PLAN - UNIT E1

MP101E1

PLOT DATE/TIME: 7/29/2026 2:12:06 PM

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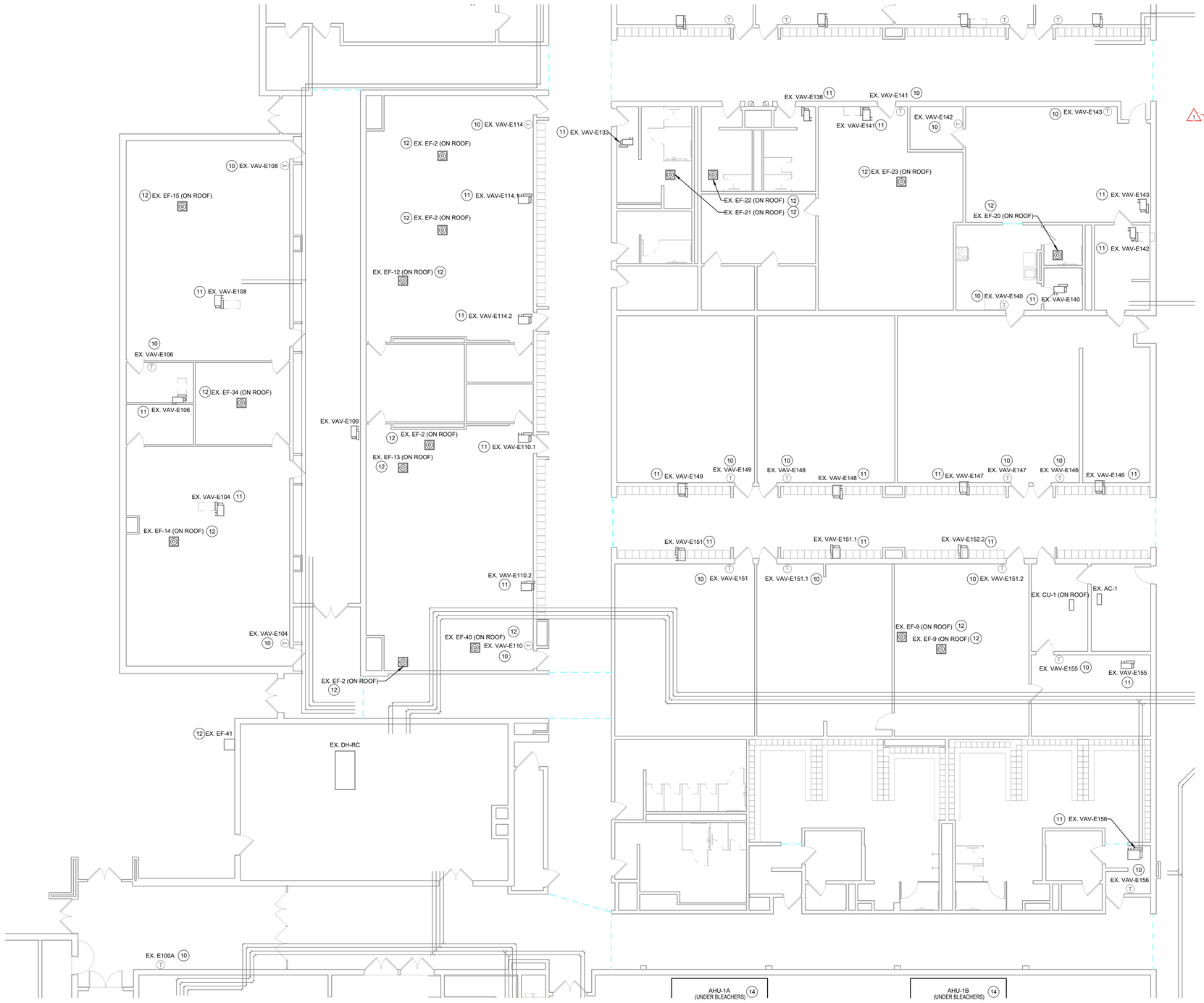

1 **MECHANICAL PIPING FIRST FLOOR PLAN - UNIT E2**
1/8" = 1'-0"

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GABRIEL S. CURRIER
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No. PE10808972
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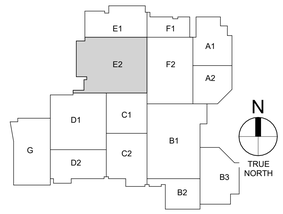
REVISIONS:		
#	Date	Desc.
1	07-29-2026	ADDENDUM #4

100% CONSTRUCTION DOCUMENTS

PROJECT:	#26102
DATE:	07-03-2026
DRAWN BY:	CSM

MECHANICAL PIPING FIRST FLOOR PLAN - UNIT E2



MP101E2

PLOT DATE/TIME: 7/29/2026 2:21:11 PM

GENERAL PIPING NOTES

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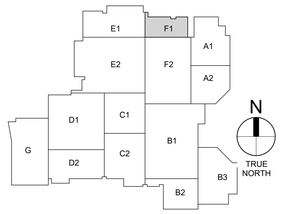

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PROJECT: #26102
DATE: 07-03-2026
DRAWN BY: CSM

MECHANICAL PIPING FIRST FLOOR PLAN - UNIT F1

MP101F1

PLOT DATE/TIME: 7/29/2026 2:12:13 PM

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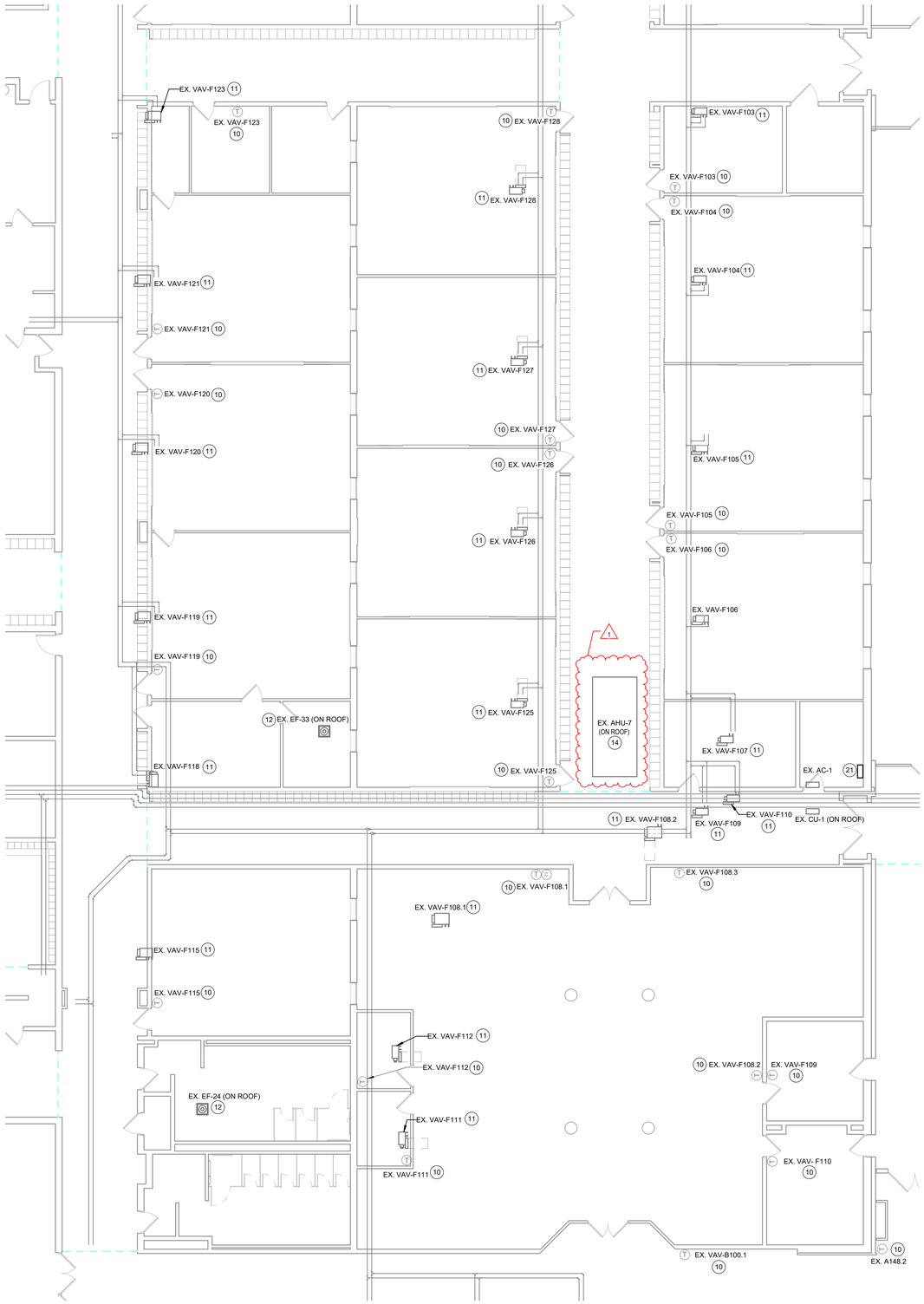
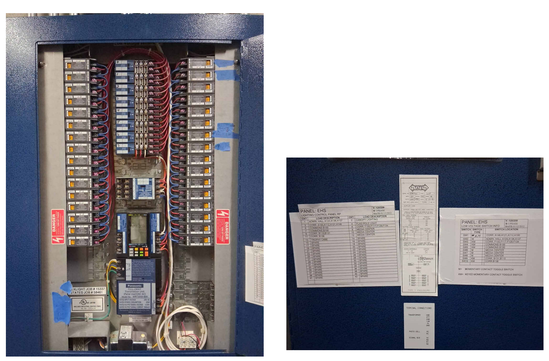
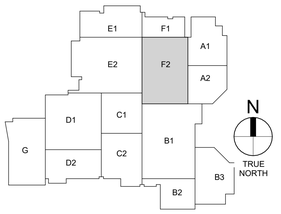
21 INTEGRATE NEW CONTROLS FOR EXISTING LIGHTING CONTACTORS. SEE PHOTO THIS SHEET FOR EXISTING LIGHTING PANEL.



1 **MECHANICAL PIPING FIRST FLOOR PLAN - UNIT F2**
1/8" = 1'-0"



2 **SINGLE DUCT VAV TERMINAL UNIT - HYDRONIC REHEAT**
NOT TO SCALE



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1	07-29-2026	ADDENDUM #4

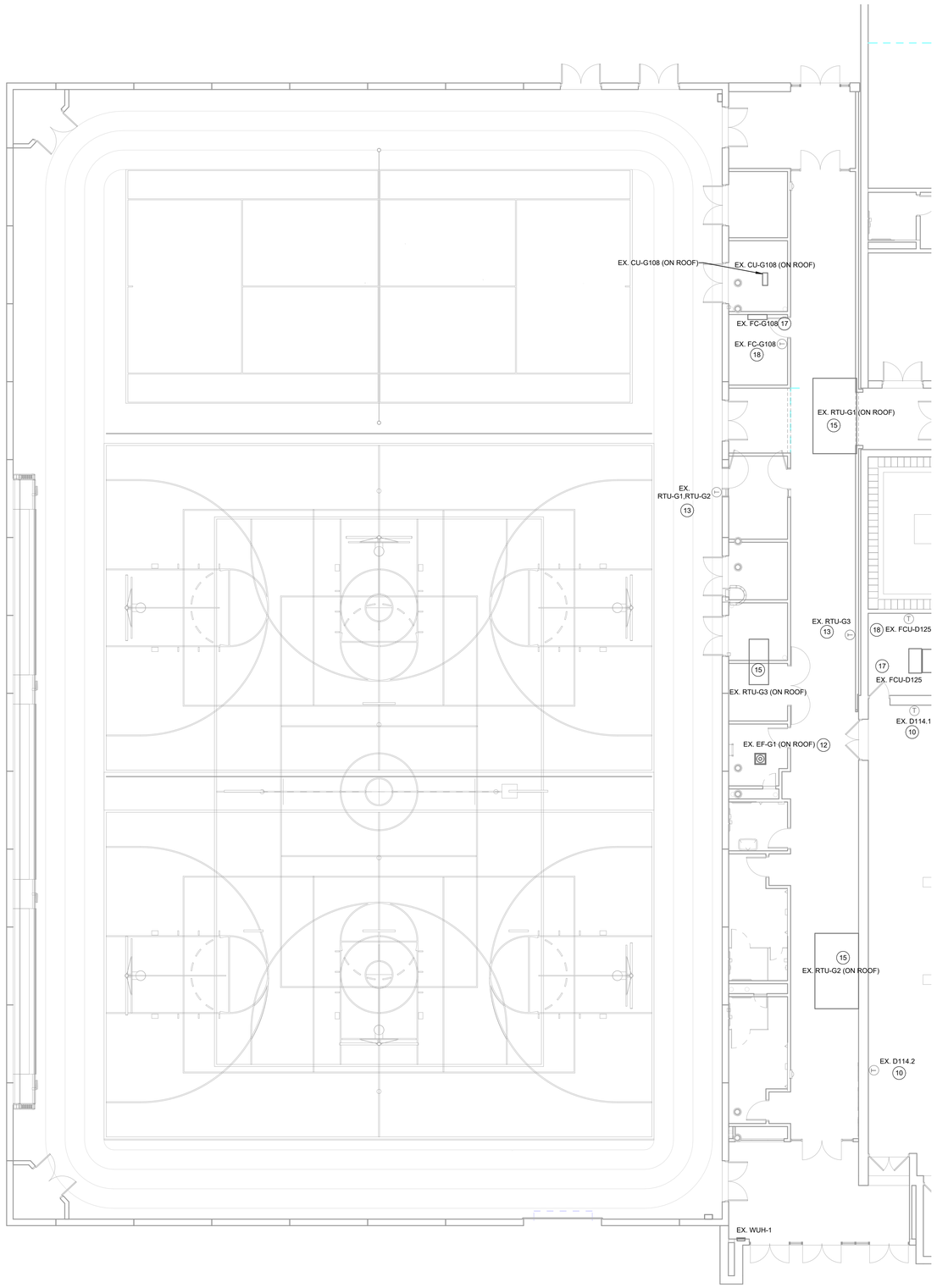
100% CONSTRUCTION DOCUMENTS

PROJECT: #26102
DATE: 07-03-2026
DRAWN BY: CSM

MECHANICAL PIPING FIRST FLOOR PLAN - UNIT F2

MP101F2

PLOT DATE/TIME: 7/29/2026 12:01:24 PM



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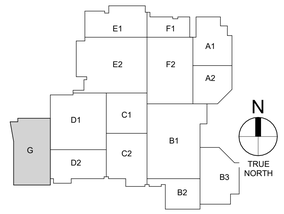

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MECHANICAL PIPING FIRST FLOOR PLAN - UNIT G

MP101G

PLOT DATE/TIME: 7/29/2026 2:12:17 PM

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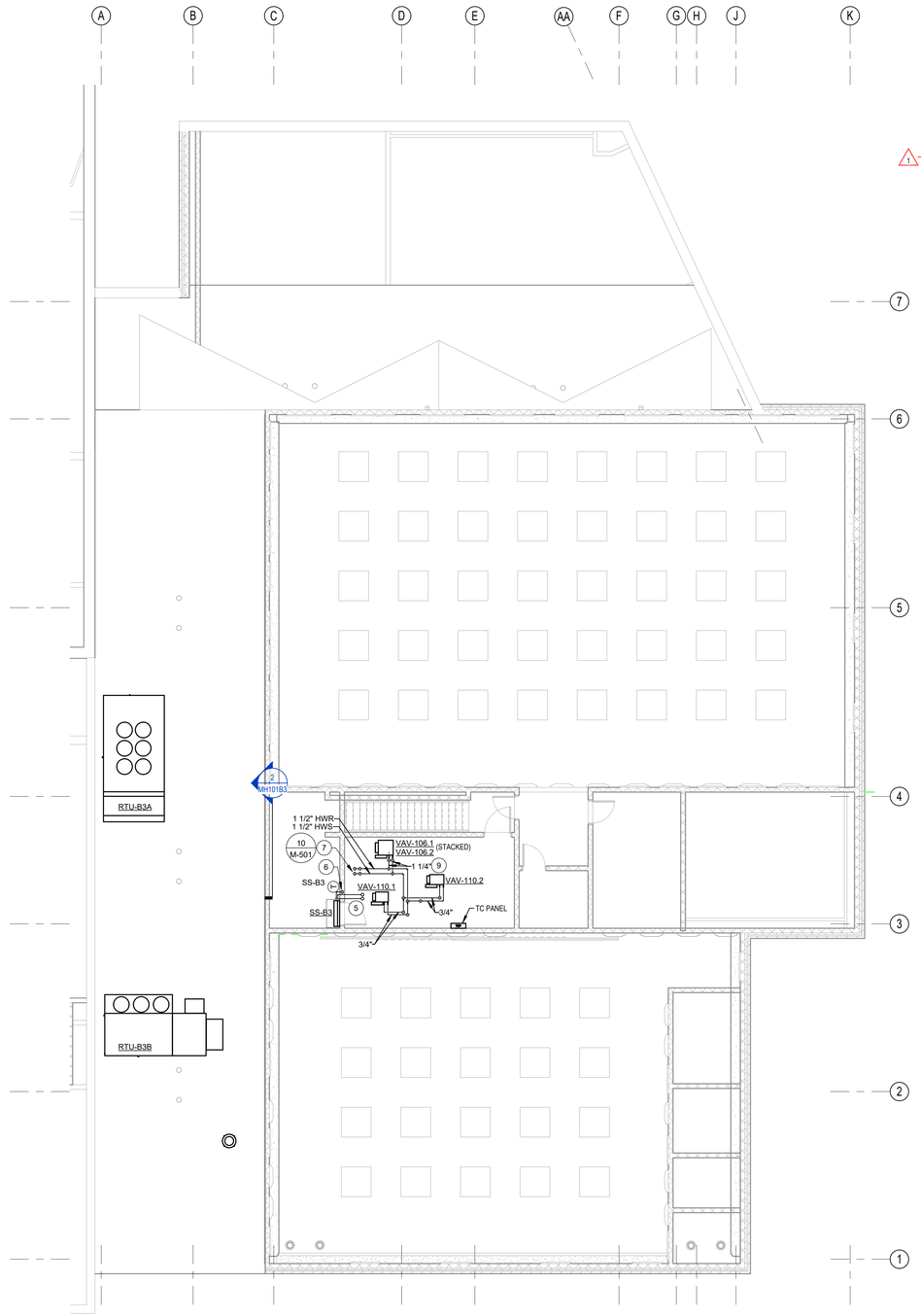
16 PROVIDE NEW COMMUNICATION WIRING FROM NEW CONTROLLER TO EXISTING CONTROL VALVE ACTUATORS AND DAMPER ACTUATORS. MAINTAIN EXISTING SEQUENCE OF OPERATION. REFER TO VAV AIR HANDLING UNIT WITH REHEAT SEQUENCE OF OPERATION ON M-702. PROVIDE NEW VARIABLE FREQUENCY DRIVE FOR EACH FAN IN AHU. EXISTING VFD REMOVED BY DIV 26. VFD FURNISHED BY TCC AND INSTALLED BY DIV 26.
17 PROVIDE NEW CONTROLLER FOR FOUR-PIPE FAN COIL UNIT ABOVE CEILING. PROVIDE NEW COMMUNICATION WIRING FROM NEW CONTROLLER TO EXISTING CONTROL VALVE ACTUATORS AND DAMPER ACTUATORS AS REQUIRED. MAINTAIN EXISTING FAN COIL UNIT SEQUENCE OF OPERATION.
18 REMOVE EXISTING FCU TEMPERATURE SENSOR AND COMMUNICATION WIRING COMPLETE. PROVIDE NEW TEMPERATURE SENSOR AND COMMUNICATION WIRING TO NEW FCU DDC CONTROLLER.
19 PROVIDE NEW CONTROLLER FOR HEATING ONLY CABINET UNIT HEATER IN CEILING. PROVIDE NEW COMMUNICATION WIRING FROM NEW CONTROLLER TO EXISTING CONTROL VALVE ACTUATOR AND DAMPER ACTUATORS AS REQUIRED. MAINTAIN EXISTING CABINET UNIT HEATER SEQUENCE OF OPERATION.
20 REMOVE EXISTING CUH TEMPERATURE SENSOR AND COMMUNICATION WIRING COMPLETE. PROVIDE NEW TEMPERATURE SENSOR AND COMMUNICATION WIRING TO NEW CUH DDC CONTROLLER.



1 MECHANICAL PIPING MEZZANINE FLOOR PLAN - UNIT B3
1/8" = 1'-0"

LANCER ASSOCIATES ARCHITECTURE
145 NORTH EAST STREET
INDIANAPOLIS, IN 46204

creative engineering solutions
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RICHLAND-BEAN BLOSSOM CSC
ADDITION/RENOVATION TO EDGEWOOD HS
601 EDGEWOOD DR,
ELLETTSVILLE, IN 47429

GABRIEL S. CURLER
REGISTERED
NO. PE10808972
STATE OF INDIANA
PROFESSIONAL ENGINEER

REVISIONS:

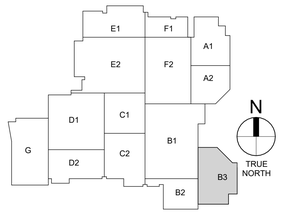
#	Date	Desc.
1	07-29-2026	ADDENDUM #4

100% CONSTRUCTION DOCUMENTS

PROJECT: #26102
DATE: 07-03-2026
DRAWN BY: CSM

MECHANICAL PIPING SECOND FLOOR PLAN - UNIT B3

MP102B3



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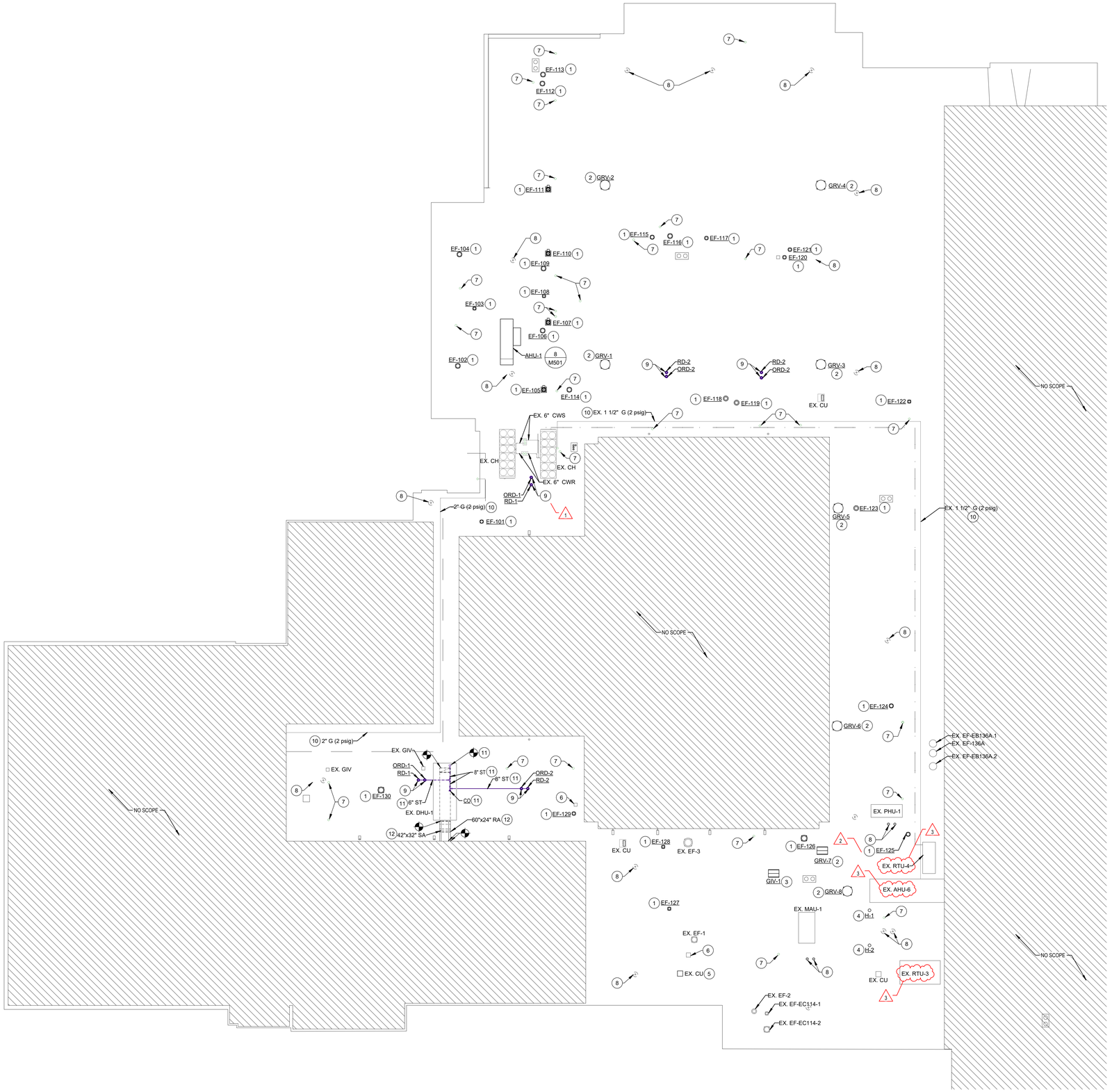
REROOF PORTION OF PROJECT ONLY

MECHANICAL ROOF PLAN NOTES

1. PROVIDE EXHAUST FAN AND ROOF CURB, CONNECT TO DUCT BELOW ROOF. FIELD VERIFY DIMENSION.
2. PROVIDE GRAVITY RELIEF VENT AND ROOF CURB, CONNECT TO EXISTING DUCT BELOW ROOF. FIELD VERIFY DIMENSION.
3. PROVIDE GRAVITY INTAKE VENTILATOR, CONNECT TO EXISTING DUCT BELOW ROOF.
4. PROVIDE EXHAUST HOOD AND ROOF CURB, CONNECT TO EXISTING DUCT BELOW.
5. PROVIDE NEW EQUIPMENT RAILS. REINSTALL EXISTING CONDENSING UNIT ON NEW EQIPTMENT RAILS.
6. EXISTING ROOF VENT REMAINS.
7. EXISTING PLUMBING VENT.
8. EXISTING ROOF DRAINS.
9. INSTALL NEW ROOF DRAINS.
10. PROVIDE PIPE SUPPORTS FOR NATURAL GAS PIPING AFTER ROOF REPLACEMENT IS COMPLETE.
11. STORM PIPING TO BE INSTALLED IN CEILING SPACE BELOW.
12. INSTALL NEW ALUMINUM SUPPLY AND RETURN DUCT COMPLETE FROM WALL PENETRATION TO UNIT CONNECTIONS. MATCH EXISTING DUCT DIMENSIONS AND ROUTING. INSULATE WITH 2" RIGID INSULATION AND COVER WITH STUCCO EMBOSSED SLUMINUM JACKET SEALED WEATHER TIGHT.
13. THIS STORM PIPING IS LOCATED BELOW SLAB.



1 **MECHANICAL ROOF PLAN**
1" = 20'-0"

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REVISIONS:

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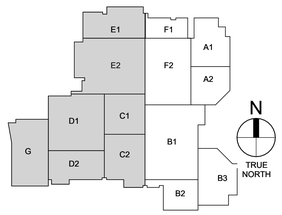
1	07-17-2026	Addendum #1
2	07-27-2026	ADDENDUM #2
3	07-29-2026	ADDENDUM #4

90% CONSTRUCTION DOCUMENTS

PROJECT: #26102
DATE: 07-03-2026
DRAWN BY: CSM

MECHANICAL REROOF PLAN



MR101

PLOT DATE/TIME: 7/29/2026 11:10:09 AM

AIR HANDLING UNIT SCHEDULE

IDENTITY DATA						MAX. DIMENSIONS			SUPPLY FAN											RETURN FAN									
													MOTOR			SUPPLY FAN SOUND POWER (OUTLET) OCTAVE BAND										MOTOR			RETURN FAN SOUND POWER (OUTLET) OCTAVE BAND							
MARK	MANUFACTURER	MODEL	LOCATION	AREA SERVED	WEIGHT (LBS)	L	W	H	AIRFLOW (CFM)	MIN. OA (CFM)	ESP (IN-WG)	RPM	QTY	HP EA.	BHP EA.	1	2	3	4	5	6	7	8	AIRFLOW (CFM)	ESP (IN-WG)	RPM	QTY	HP EA.	BHP EA.	1	2	3	4	5	6	7	8
RTU-B3A	LG	ARDR-312-40K	UNIT B3	BAND	6,977	203.6"	82"	98.8"	8,000	3,500	2.0	1,611	2	5.0	3.8	90.4	90.3	93.4	85.3	82.5	78.1	80.41	76	8,000	1.5	1,788	2	2.0	1.8	72.5	78.1	68.9	64.8	62	61	66.1	57
RTU-B3B	LG	ARDR-212-25K	UNIT B3	CHOIR	4,242	190.3"	98.3"	73.1"	5,500	2,200	2.0	1,789	2	7.5	4.5	89.2	88.4	95.9	83.2	80.2	74.4	73.7	71.3	5,500	1.5	1,372	1	3.0	2.7	92.4	79.3	71.4	64.5	57.2	56	52.5	56

AIR HANDLING UNIT SCHEDULE (CONTINUED)

	GAS-FIRED HEATING DATA					DX COOLING DATA					DX COOLING COIL DATA				ELECTRICAL DATA			
MARK	INPUT (BTUH)	OUTPUT (BTUH)	EAT / LAT (°F)	STAGES	TYPE	TOTAL CAP. (BTUH)	SENSIBLE CAP. (BTUH)	EAT (°F) DB / WB	LAT (°F) DB / WB	EER	ROWS	FPI	FACE AREA (SQFT)	APD (IN-WG)	VOLTS / PH / HZ	MCA (A)	MOCP (A)	NOTES
RTU-B3A	600,000	486,000	11.7 / 67.9	MOD	INDIRECT	474,800	264,000	83.2 / 70.4	50.6 / 50.5	10.0	6	12	33.8	0.3	460/3/60	106.0	125	1-3
RTU-B3B	300,000	243,000	16.7 / 57.6	MOD	INDIRECT	275,700	160,000	82.4 / 70.0	53.7 / 53.7	11.0	6	14	22.6	0.3	460/3/60	58.5	70	1-3

AIR HANDLING UNIT SCHEDULE NOTES:

1. OVERLOAD PROTECTED DISCONNECT BY MANUFACTURER. SINGLE POINT POWER. HIGH-FAULT 65 KA SCCR.
2. PROVIDE 18" ROOF CURB.
3. PROVIDE NON-POWERED 120V, 20A GFCI RECEPTACLE. WIRING FROM SOURCE TO RECEPTACLE BY DIV. 26.

VAV BOX WITH HOT WATER REHEAT SCHEDULE - 23 36 00

IDENTITY DATA				AIRFLOW DATA				NOISE DATA		REHEAT COIL DATA								
MARK	MANUFACTURER	MODEL	INLET DIAMETER	MAX. COOLING (CFM)	HEATING (CFM)	MIN. COOLING (CFM)	SPI (IN-WG)	MAX DISCH.	MAX RAD.	CAPACITY (BTUH)	EAT / LAT (°F)	APD (IN-WG)	FLOW (GPM)	EWT / LWT (°F)	WPD (FT-WG)	ROWS	VALVE TYPE	NOTES
VAV-100C.1	PRICE INDUSTRIES	SDV	8"	620	370	190	1.0	30	30	16,000	55 / 94.8	0.4	2.0	140 / 124	0.9	2	3-WAY	1-4
VAV-100C.2	PRICE INDUSTRIES	SDV	8"	520	315	160	1.0	30	30	1,400	55 / 95.7	0.3	1.5	140 / 121	0.5	2	2-WAY	1-4
VAV-102	PRICE INDUSTRIES	SDV	12"	1,400	840	420	1.0	30	30	36000	55 / 94.5	0.6	3.0	140 / 116	2.8	2	2-WAY	1-4
VAV-106.1	PRICE INDUSTRIES	SDV	16"	2,200	1320	660	1.0	30	30	57,600	55 / 95.2	0.4	6.0	140 / 120	4.5	2	3-WAY	1-4
VAV-106.2	PRICE INDUSTRIES	SDV	16"	2,200	1320	660	1.0	30	30	57,600	55 / 95.2	0.4	6.0	140 / 120	4.5	2	3-WAY	1-4
VAV-106B	PRICE INDUSTRIES	SDV	6"	325	195	100	1.0	30	30	9,100	55 / 97.8	0.2	1.0	140 / 120	0.2	2	2-WAY	1-4
VAV-106E	PRICE INDUSTRIES	SDV	6"	300	180	90	1.0	30	30	8,700	55 / 98.4	0.1	1.0	140 / 120	0.2	2	2-WAY	1-4
VAV-106I	PRICE INDUSTRIES	SDV	10"	905	545	275	1.0	30	30	25,700	55 / 97.3	0.5	2.5	140 / 120	1.8	2	2-WAY	1-4
VAV-106J	PRICE INDUSTRIES	SDV	10"	1,100	550	330	1.0	30	30	25,000	55 / 96.9	0.5	3.0	140 / 120	-	2	2-WAY	1-4
VAV-108	PRICE INDUSTRIES	SDV	6"	445	270	135	1.0	30	30	11,700	55 / 94.8	0.3	1.5	140 / 124	0.4	2	2-WAY	1-4
VAV-110.1	PRICE INDUSTRIES	SDV	10"	1,100	550	330	1.0	30	30	25,000	55 / 96.9	0.5	3.0	140 / 120	-	2	2-WAY	1-4
VAV-110.2	PRICE INDUSTRIES	SDV	10"	1,100	550	330	1.0	30	30	25,000	55 / 96.9	0.5	3.0	140 / 120	-	2	2-WAY	1-4
VAV-100B	PRICE INDUSTRIES	SDV	8"	625	375	190	1.0	30	30	16,700	55 / 95.9	0.4	2.5	140 / 126	1.3	2	2-WAY	1-4
VAV-101	PRICE INDUSTRIES	SDV	10"	1,000	600	300	1.0	30	30	26,700	55 / 96	0.6	2.5	140 / 118	1.6	2	2-WAY	1-4
VAV-103	PRICE INDUSTRIES	SDV	12"	1,400	840	420	1.0	30	30	37,400	55 / 96	0.6	3.5	140 / 118	3.7	2	2-WAY	1-4
VAV-103F	PRICE INDUSTRIES	SDV	8"	520	315	155	1.0	30	30	14,000	55 / 95.7	0.3	1.5	140 / 121	0.5	2	2-WAY	1-4
VAV-105	PRICE INDUSTRIES	SDV	10"	1,000	600	300	1.0	30	30	26,700	55 / 96	0.6	2.5	140 / 118	1.6	2	2-WAY	1-4
VAV-107	PRICE INDUSTRIES	SDV	10"	1,000	600	300	1.0	30	30	26,700	55 / 96	0.6	2.5	140 / 118	1.6	2	2-WAY	1-4
VAV-109	PRICE INDUSTRIES	SDV	10"	1,200	720	360	1.0	30	30	31,300	55 / 95	0.4	3.5	140 / 122	3.7	2	3-WAY	1-4
VAV-110E	PRICE INDUSTRIES	SDV	6"	400	230	120	1.0	30	30	10,000	55 / 95.1	0.3	1.5	140 / 122	0.4	2	2-WAY	1-4

VAV BOX WITH HOT WATER REHEAT SCHEDULE NOTES:

1. COORDINATE LOCATION OF BOX A BOVE CEILING WITH LIGHT FIXTURES, FIRE PROTECTION, HEATING AND COOLING SYSTEM PIPING, PLUMBING SYSTEMS, CONDUITS, AND CABLE TRAYS.
2. SEE M-700 SERIES DRAWINGS FOR TEMPERATURE CONTROLS INFORMATION.
3. INSULATED BOTTOM ACCESS DOOR UPSTREAM OF COIL WITH 1/4 TURN LATCH FASTENERS.
4. MINIMUM 1" ELASTOMERIC LINER.

SPLIT SYSTEM SCHEDULE - 23 81 26

INDOOR UNIT													OUTDOOR UNIT											
IDENTITY DATA					DIMENSIONS			COOLING CAPACITY			AIRFLOW DATA				IDENTITY DATA				COOLING DATA		HEATING DATA					ELECTRICAL DATA			
MARK	MANUFACTURER	MODEL	SERVES	WEIGHT (LBS)	L	W	H	TOTAL (BTUH)	SENSIBLE (BTUH)	CAPACITY (BTUH)	MIN (CFM)	MAX (CFM)	DESIGN (CFM)	ESP (IN-WG)	MARK	MODEL	SERVICE	WEIGHT (LBS)	NOMINAL (BTUH)	AMBIENT (°F)	CAPACITY (BTUH)	AMBIENT (°F)	EER	SEER	REF. TYPE	VOLT/PHZ/HZ	MCA (A)	MOCP (A)	NOTES
SS-B3	LG	KNSAL121A	IT ROOM	25	9.25"	35.25"	12.25"	14,100	12,000	12,000	219	494	318	0.00	CU-B3	KUSAL121A	SS-B3	99	12,000.0	95	14,000.0	-3	13.8	25.5	R32	208/1/60	15.0	20.0	1-4

SPLIT SYSTEMS UNIT SCHEDULE NOTES:

1. DISCONNECT BY DIVISION 26.
2. INDOOR UNIT POWERED BY OUTDOOR UNIT.
3. PROVIDE BACNET CARD.
4. PROVIDE CONDENSATE PUMP.

EXHAUST FAN SCHEDULE - 23 34 23

IDENTITY DATA					FAN DATA						SOUND CRITERIA			ELECTRICAL DATA	
MARK	MANUFACTURER	MODEL	SERVICES	WEIGHT (LBS)	FAN TYPE	DRIVE TYPE	AIRFLOW (CFM)	ESP (IN-WG)	RPM	HP/BHP	SONES	DBA	UNIT CONTROL	VOLT/PH/HZ	NOTES
EF-B2A	GREENHECK	G-140-VG	UNIT B2 LAB	85	DOWNBLAST CENTIFUGAL	DIRECT	1200	0.50	822	0.25 / 0.11	6.4	52	TOGGLE	120/60/1	1-2
EF-B3A	GREENHECK	G-090-VG	UNIT B3 RR	55	DOWNBLAST CENTIFUGAL	DIRECT	385	0.20	1107	0.1 / 0.03	4.3	46	BMS	120/60/1	1-2

EXHAUST FAN SCHEDULE NOTES:

1. DISCONNECT BY MANUFACTURER.
2. FAN SPEED CONTROLLER FOR BALANCING.

ELECTRIC UNIT HEATER SCHEDULE - 23 82 39.16

IDENTITY DATA					HEATING DATA		ELECTRICAL DATA		
MARK	MANUFACTURER	MODEL	WEIGHT (LBS)	DIMENSIONS HxWxD (IN)	CAPACITY (KW)	# STAGE	VOLTS / PH / HZ	FLA	NOTES
PUH-B2	QMARK	MUH05	27	16 x 14 x 7.5	5.0	1	208/3/60	24.0	1-4
EUH-B3A	QMARK	FRC48203F	25	19-5/16 X 15-3/4" X 3"	4.8	1	208/3/60	13.3	5-6
EUH-B3B	QMARK	FRC48203F	25	19-5/16 X 15-3/4" X 3"	4.8	1	208/3/60	13.3	5-6

ELECTRIC PROP UNIT HEATER SCHEDULE NOTES:

1. DISCONNECT BY MANUFACTURER.
2. SUMMER FAN SWITCH
3. PROVIDE UNIT MOUNTED LINE VOLTAGE THERMOSTAT.
4. PROVIDE DUST SHIELD AND WALL MOUNT BRACKET.
5. BUILT-IN TAMPER RESISTANT THERMOSTAT
6. TIME DELAY RELAY. PROVIDE 120V/60Hz/1PH SEPARATE CIRCUIT BY EC.

233713 DIFFUSERS, REGISTERS, AND GRILLES

IDENTITY DATA				NECK SIZE (IN)	MODULE SIZE		
MARK	DESCRIPTION	MANUFACTURER	MODEL	Ø	W	L	NOTES
EC24/12	EGG CRATE FACE RETURN	PRICE	80		24"	12"	
EC24/24	EGG CRATE FACE RETURN	PRICE	80		24"	24"	
EG18/16	LOUVER FACE GRILLE EXHAUST	PRICE	630		16"	18"	
LS48-8-4S	LINEAR SLOT DIFFUSER	PRICE	SDS-4 Slot	8"		48"	SDB PLENUM
RG42/8	LOUVER FACE RETURN GRILLE	PRICE	530		42"	8"	OPPOSED BLADE DAMPER
SD24-6	SQUARE CONE DIFFUSER	PRICE	ASCDA	6"	24"	24"	
SD24-8	SQUARE CONE DIFFUSER	PRICE	ASCDA	8"	24"	24"	

1

PUMP SCHEDULE - 23 21 23

IDENTITY DATA									FLUID DATA					MOTOR DATA			ELECTRICAL DATA	
MARK	MANUFACTURER	SERIES	MODEL	FRAME	IMPELLER SIZE (IN)	SYSTEM SERVED	WEIGHT (LBS)	TYPE	FLUID TYPE	FLOW (GPM)	HEAD (FT-WG)	TEMP (°F)	EFF (%)	SPEED (RPM)	HP	BHP	VOLTS / PH / HZ	NOTES
(MARK)	BELL & GOSSETT	e80	1.5x1.5x7C	145JM	7"	AHU-1	170	CLOSED COUPLED IN-LINE CENTRIFUGAL	WATER	31	40.0	140	54.3	1,800	1.5	0.6	480 / 3 / 60	1-2

PUMP SCHEDULE NOTES:

1. PROVIDE WITH ACCESSORIES SHOWN DETAILS.
2. COMBINATION MAGNETIC STARTER WITH HOA BY EC.

2

EXISTING AHU VFD SCHEDULE		
TAG	HP	VOLTAGE / PHASE
EX. AHU-1	20	480V / 3PH
EX. AHU-1A	20	480V / 3PH
EX. AHU-1B	20	480V / 3PH
EX. AHU-5A	40	480V / 3PH
EX. AHU-5B	40	480V / 3PH
EX. AHU-6	50	480V / 3PH
EX. AHU-7	25	480V / 3PH

FIELD VERIFY QUANTITY AND HP PRIOR TO PROCURE

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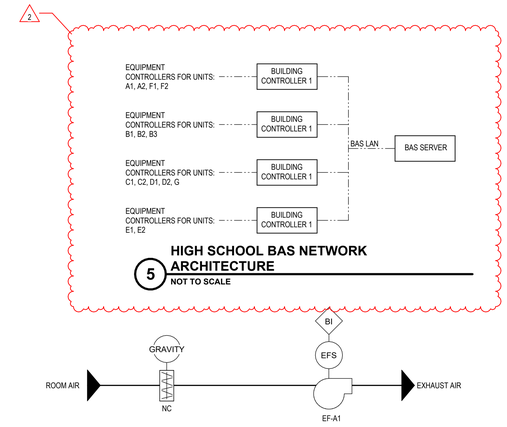
100% CONSTRUCTION DOCUMENTS

PROJECT: #26102
DATE: 07-03-2026
DRAWN BY: CSM

MECHANICAL SCHEDULES

M-601

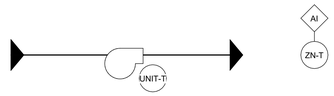
PLOT DATE/TIME: 7/29/2026 1:08:23 PM



5 HIGH SCHOOL BAS NETWORK ARCHITECTURE
NOT TO SCALE

EXHAUST FAN CONTROL: THE EXHAUST FAN SHALL BE STARTED ACCORDING TO THE OWNER-DEFINED SCHEDULE. IF THE EXHAUST FAN STATUS (EF-S) DOES NOT MATCH THE COMMANDED VALUE AFTER STROKE TIME PLUS 15 SECONDS (ADJ), AN ALARM SHALL BE GENERATED. SEE ELECTRICAL DRAWINGS FOR MOTOR STARTER LOCATION INFORMATION WHEN EXHAUST FAN IS ENERGIZED, FAN SHALL RUN CONTINUOUSLY AT CONSTANT SPEED.

4 EXHAUST FAN
NOT TO SCALE



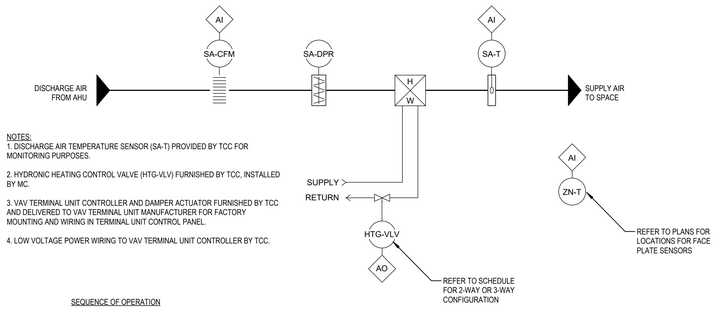
ELECTRIC PROPELLER UNIT HEATER SEQUENCE OF OPERATION

WHEN THE SPACE TEMPERATURE FALLS BELOW 65F (ADJ), AS SENSED BY LINE VOLTAGE, UNIT MOUNTED THERMOSTAT, THE PROPELLER UNIT HEATER WILL BE ENABLED. THE SUPPLY AIR FAN WILL RUN CONTINUOUSLY AT CONSTANT SPEED AND THE ELECTRIC RESISTANCE HEATING WILL STAGE ON. WHEN THE SPACE TEMPERATURE EXCEEDS 68F (ADJ), THE ELECTRIC RESISTANCE HEATING WILL STAGE OFF AND THE PROPELLER UNIT HEATER WILL BE DISABLED. IF THE SPACE TEMPERATURE FALLS BELOW 60F, AS SENSED BY A SEPARATE WALL MOUNTED ZONE TEMPERATURE SENSOR (ZN-T), AN ALARM SHALL BE GENERATED AT THE OPERATOR WORKSTATION. PROVIDE A GRAPHIC AT THE USER INTERFACE WITH THE FOLLOWING POINTS: ZONE TEMPERATURE.

3 ELECTRIC PROPELLAR UNIT HEATER
NOT TO SCALE

EXHAUST FAN CONTROL: THE EXHAUST FAN SHALL BE STARTED ACCORDING TO THE OWNER-DEFINED SCHEDULE. IF THE EXHAUST FAN STATUS (EF-S) DOES NOT MATCH THE COMMANDED VALUE AFTER STROKE TIME PLUS 15 SECONDS (ADJ), AN ALARM SHALL BE GENERATED. SEE ELECTRICAL DRAWINGS FOR MOTOR STARTER LOCATION INFORMATION WHEN EXHAUST FAN IS ENERGIZED, FAN SHALL RUN CONTINUOUSLY AT CONSTANT SPEED.

2 EXHAUST FAN
NOT TO SCALE



NOTES:
1. DISCHARGE AIR TEMPERATURE SENSOR (SA-T) PROVIDED BY TCC FOR MONITORING PURPOSES.

2. HYDRONIC HEATING CONTROL VALVE (HTG-VLV) FURNISHED BY TCC, INSTALLED BY MC.

3. VAV TERMINAL UNIT CONTROLLER AND DAMPER ACTUATOR FURNISHED BY TCC AND DELIVERED TO VAV TERMINAL UNIT MANUFACTURER FOR FACTORY MOUNTING AND WIRING IN TERMINAL UNIT CONTROL PANEL.

4. LOW VOLTAGE POWER WIRING TO VAV TERMINAL UNIT CONTROLLER BY TCC.

SEQUENCE OF OPERATION

OCCUPIED MODE:

IF ZONE TEMPERATURE , AS SENSED BY ZONE TEMPERATURE SENSOR (ZN-T), IS WITHIN THE DEADBAND LIMITS OF 70F-74F (ADJ), THE SUPPLY AIR DAMPER (SA-DPR) WILL BE AT MINIMUM COOLING AIRFLOW SETPOINT AS SENSED BY SUPPLY AIR AIRFLOW MEASURING STATION (SA-CFM), AND THE HYDRONIC HEATING CONTROL VALVE (HTG-VLV) IS CLOSED. IF ZONE TEMPERATURE (ZN-T) INCREASES BEYOND THE UPPER DEAD BAND LIMIT, THE SUPPLY AIR DAMPER (SA-DPR) WILL MODULATE FROM MINIMUM COOLING AIRFLOW SETPOINT TO MAXIMUM COOLING AIRFLOW SETPOINT TO SATISFY ZONE TEMPERATURE (ZN-T) SETPOINT OF 72F (ADJ). IF ZONE TEMPERATURE (ZN-T) FALLS BELOW THE LOWER DEADBAND LIMIT, THE SUPPLY AIR DAMPER (SA-DPR) WILL MODULATE FROM MAXIMUM COOLING SETPOINT TO MINIMUM COOLING SETPOINT. IF THE ZONE TEMPERATURE (ZN-T) CONTINUES TO FALL BELOW THE LOWER DEAD BAND LIMIT, THE SUPPLY AIR DAMPER (SA-DPR) WILL BE FIXED AT THE HEATING AIRFLOW SETPOINT AND THE HYDRONIC HEATING CONTROL VALVE (HTG-VLV) WILL MODULATE TO MAINTAIN ZONE TEMPERATURE SETPOINT.

UNOCCUPIED MODE:

THE UNOCCUPIED MODE SEQUENCE OF OPERATION IS THE SAME AS THE OCCUPIED MODE. THE UNOCCUPIED MODE DEADBAND LIMITS WILL BE 65F-78F (ADJ). WHEN ANY TWO VAV TERMINAL UNIT ZONES EXCEED THE UPPER DEAD BAND LIMIT OR FALL BELOW THE LOWER DEAD BAND LIMIT, AS SENSED BY THE ZONE TEMPERATURE SENSOR (ZN-T), THE ASSOCIATED AIR HANDLING UNIT WILL BE ENABLED AND OPERATE IN UNOCCUPIED MODE.

1 SINGLE DUCT VAV TERMINAL UNIT - HYDRONIC REHEAT
NOT TO SCALE

PLOT DATE/TIME: 7/29/2026 1:20:48 PM

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REVISIONS:

#	Date	Desc.
1	07-17-2026	ADDENDUM #1
2	07-29-2026	ADDENDUM #4

100% CONSTRUCTION DOCUMENTS

PROJECT: #26102
DATE: 07-03-2026
DRAWN BY: CSM

RICHLAND-BEAN BLOSSOM CSC ADDITION/RENOVATION TO EDGEWOOD HS
601 EDGEWOOD DR,
ELLETTSVILLE, IN 47429

TEMPERATURE CONTROLS SCHEMATICS

M-702

GENERAL LIGHTING NOTES

A REFER TO ELECTRICAL SYMBOLS AND ABBREVIATIONS SHEET E-001 FOR ADDITIONAL INFORMATION.

B COORDINATE ALL DEVICE LOCATIONS WITH ARCHITECT AND INTERIOR DESIGNER.

C PROVIDE LABELS ON ALL EQUIPMENT MODIFIED BY THIS PROJECT. PROVIDE LABELS ON ALL JUNCTION BOXES AND CONDUITS MODIFIED OR PROVIDED BY THIS PROJECT. PROVIDE UPDATED PANELBOARD DIRECTORIES ON ALL PANELBOARDS MODIFIED BY THIS PROJECT.

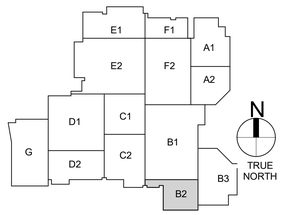
D NOT ALL PLAN NOTES ARE USED ON THIS SHEET.

◯ LIGHTING PLAN NOTES

1 CONNECT TO EXISTING LIGHTING CIRCUITS THAT SERVED THIS AREA. CIRCUIT GROUPS INDICATED.

2 CONTROL LIGHT FIXTURE WITH EXISTING EXTERIOR LIGHTING CONTROL SYSTEM.

1 ELECTRICAL LIGHTING FIRST FLOOR PLAN - UNIT B2
1/8" = 1'-0"



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RICHLAND-BEAN BLOSSOM CSC
ADDITION/RENOVATION TO EDGEWOOD HS
601 EDGEWOOD DR,
ELLETTSVILLE, IN 47429

DAVID L. JONES III
REGISTERED
NO. PE12100175
STATE OF INDIANA
PROFESSIONAL ENGINEER

REVISIONS:

#	Date	Desc.
1	07.29.2026	ADDENDUM #4

100% CONSTRUCTION DOCUMENTS

PROJECT #26102
DATE: 07-03-2026
DRAWN BY: JW

ELECTICAL LIGHTNIG FIRST FLOOR PLAN - UNIT B2

EL101

PLOT DATE/TIME: 7/29/2026 2:39:58 PM

GENERAL LIGHTING NOTES

A REFER TO ELECTRICAL SYMBOLS AND ABBREVIATIONS SHEET E-001 FOR ADDITIONAL INFORMATION.

B COORDINATE ALL DEVICE LOCATIONS WITH ARCHITECT AND INTERIOR DESIGNER.

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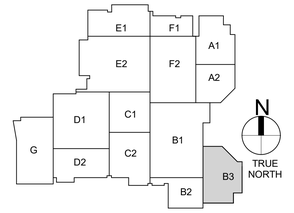
D NOT ALL PLAN NOTES ARE USED ON THIS SHEET.

◯ LIGHTING PLAN NOTES

1 CONNECT TO EXISTING LIGHTING CIRCUITS THAT SERVED THIS AREA. CIRCUIT GROUPS INDICATED.

2 CONTROL LIGHT FIXTURE WITH EXISTING EXTERIOR LIGHTING CONTROL SYSTEM.

1 **ELECTRICAL LIGHTING FIRST FLOOR PLAN - UNIT B3**
1/8" = 1'-0"



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RICHLAND-BEAN BLOSSOM CSC
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REVISIONS:

#	Date	Desc.
1	07.29.2026	ADDENDUM #4

100% CONSTRUCTION DOCUMENTS

PROJECT:#26102
DATE: 07-03-2026
DRAWN BY: JW

ELECTICAL LIGHTING FIRST FLOOR PLAN - UNIT B3

EL102

PLOT DATE/TIME: 7/30/2026 2:38:04 PM

GENERAL LIGHTING NOTES

A REFER TO ELECTRICAL SYMBOLS AND ABBREVIATIONS SHEET E-001 FOR ADDITIONAL INFORMATION.

B COORDINATE ALL DEVICE LOCATIONS WITH ARCHITECT AND INTERIOR DESIGNER.

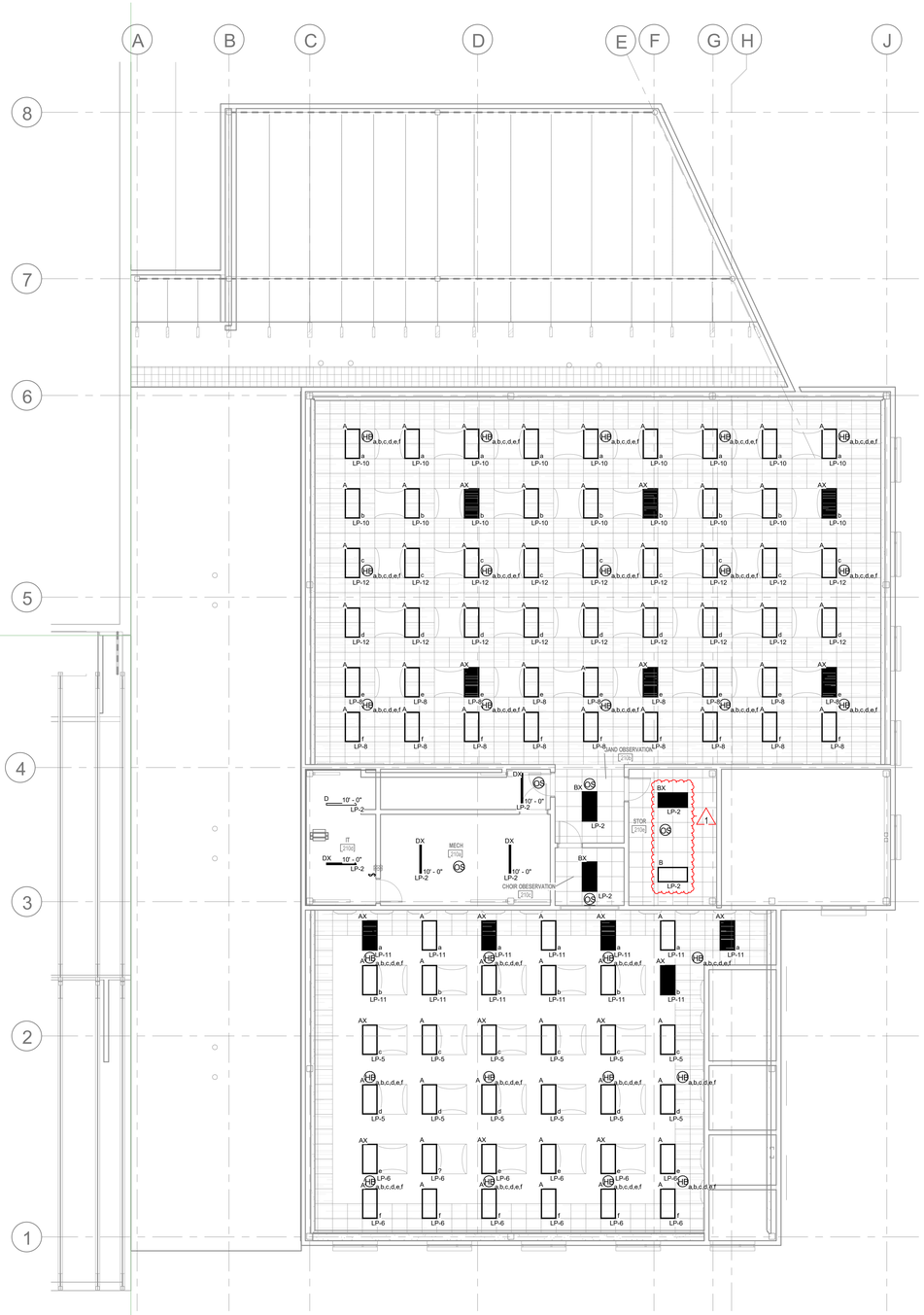
C PROVIDE LABELS ON ALL EQUIPMENT MODIFIED BY THIS PROJECT. PROVIDE LABELS ON ALL JUNCTION BOXES AND CONDUITS MODIFIED OR PROVIDED BY THIS PROJECT. PROVIDE UPDATED PANELBOARD DIRECTORIES ON ALL PANELBOARDS MODIFIED BY THIS PROJECT.

D NOT ALL PLAN NOTES ARE USED ON THIS SHEET.

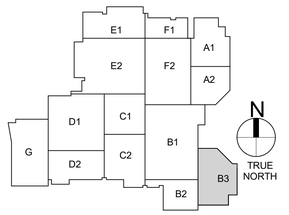
◯ LIGHTING PLAN NOTES

1 CONNECT TO EXISTING LIGHTING CIRCUITS THAT SERVED THIS AREA. CIRCUIT GROUPS INDICATED.

2 CONTROL LIGHT FIXTURE WITH EXISTING EXTERIOR LIGHTING CONTROL SYSTEM.



1 ELECTRICAL LIGHTING SECOND FLOOR PLAN - UNIT B3
1/8" = 1'-0"



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RICHLAND-BEAN BLOSSOM CSC
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ELECTICAL LIGHTING SECOND FLOOR PLAN - UNIT B3

EL111

PLOT DATE/TIME: 7/29/2026 2:56:05 PM

GENERAL LIGHT FIXTURE SCHEDULE NOTES

A REFER TO ELECTRICAL SYMBOLS AND ABBREVIATIONS SHEET E-001 FOR ADDITIONAL INFORMATION.

B PROVIDE VIBRATION DAMPERS FOR ALL ALUMINUM AND STEEL POLES 10'-0" AND ABOVE.

C PROVIDE SELF-DIAGNOSTICS AND SELF-TESTING FOR ALL LIFE SAFETY FIXTURES (EXIT FIXTURES, WALL PACKS, INVERTERS BALLASTS, ETC.)

D PROVIDE 0-10V ELECTRONIC DIMMING DRIVER DOWN TO 10% UNLESS OTHERWISE NOTED.

E PROVIDE A MINIMUM OF ONE CLIP PER SIDE UP TO 4' AND CABLE SUPPORTS FOR EACH LIGHT FIXTURE.

F REFER TO ARCHITECTURAL PLANS FOR CEILING TYPE.

G SUBMITT LIGHTING PER APPROPRIATE SPECIFICATION SECTION.

INTERIOR/EXTERIOR/EMERGENCY & EXIT LIGHT FIXTURES SCHEDULE

LABEL	DESCRIPTION	SOURCE VOLTAGE	SOURCE TYPE	SOURCE LUMENS	SOURCE WATTS	SOURCE CCT	MOUNTING	LENS/REFLECTOR	CERTIFICATIONS	ACCEPTABLE MANUFACTURERS	LABEL
A	24" X 48" FLAT PANEL, STEEL, 0-10V DIMMING DOWN TO 10%, STATIC AIR FUNCTION, WHITE FINISH	120/277 V	LED	6091	42 W	5000 K 80 CRI	RECESSED	SATIN WHITE DIFFUSER	DLC	LITHONIA LIGHTING CPX 2X4 SERIES COLUMBIA LIGHTING CBT24 SERIES HE WILLIAMS LIGHTING BP24 SERIES METALUX LIGHTING 24CGT SERIES DAY-BRITE LIGHTING 2SBP SERIES	A
AX	24" X 48" FLAT PANEL, STEEL, 0-10V DIMMING DOWN TO 10%, STATIC AIR FUNCTION, WHITE FINISH, 90 MINUTE BATTERY PACK WITH SELF TESTING AND SELF DIAGNOSTICS AND REMOTE INDICATORS	120/277 V	LED	6091	42 W	5000 K 80 CRI	RECESSED	SATIN WHITE DIFFUSER	DLC	LITHONIA LIGHTING CPX 2X4 SERIES COLUMBIA LIGHTING CBT24 SERIES HE WILLIAMS LIGHTING BP24 SERIES METALUX LIGHTING 24CGT SERIES DAY-BRITE LIGHTING 2SBP SERIES	AX
B	24" X 48" FLAT PANEL, STEEL, 0-10V DIMMING DOWN TO 10%, STATIC AIR FUNCTION, WHITE FINISH	120/277 V	LED	5193	40 W	5000 K 80 CRI	RECESSED	SATIN WHITE DIFFUSER	DLC	LITHONIA LIGHTING CPX 2X4 SERIES COLUMBIA LIGHTING CBT24 SERIES HE WILLIAMS LIGHTING BP24 SERIES DAY-BRITE LIGHTING 2SBP SERIES METALUX LIGHTING 24CGT SERIES	B
BX	24" X 48" FLAT PANEL, STEEL, 0-10V DIMMING DOWN TO 10%, STATIC AIR FUNCTION, WHITE FINISH, 90 MINUTE BATTERY PACK WITH SELF TESTING AND SELF DIAGNOSTICS AND REMOTE INDICATORS	120/277 V	LED	5193	40 W	5000 K 80 CRI	RECESSED	SATIN WHITE DIFFUSER	DLC	LITHONIA LIGHTING CPX 2X4 SERIES COLUMBIA LIGHTING CBT24 SERIES HE WILLIAMS LIGHTING BP24 SERIES DAY-BRITE LIGHTING 2SBP SERIES METALUX LIGHTING 24CGT SERIES	BX
CX	6" ROUND DOWNLIGHT, VERTICAL ADJUSTABLE, UP TO 24" JOIST SPACING, 1-1/2" MAXIMUM CEILING THICKNESS, 1.0 SURFACE TO MOUNTING HEIGHT RATIO, 55 DEGREE CUTOFF TO SOURCE, SELF-FLANGED SEMI SPECULAR REFLECTOR, TRIM, 0-10V DIMMING DOWN TO 10%, WET LOCATION LISTED UNDER COVERED CEILING, IP55 RATED, 90 MINUTE BATTERY PACK WITH SELF TESTING AND SELF DIAGNOSTICS AND REMOTE INDICATORS	120/277 V	LED	1500	13 W	5000 K 80 CRI	RECESSED	DIFFUSE LENS	N/A	HALO LIGHTING HC6 SERIES PRESCOLITE LIGHTING LFCR-6RD-N SERIES LITHONIA LIGHTING LDNI SERIES LIGHTOILER LIGHTING M6R SERIES	CX
D	48" LENSED STRIP LIGHT, 0-10V DIMMING DOWN TO 10%, WHITE FINISH,	120/277 V	LED	5884	42 W	5000 K 80 CRI	CABLE MOUNTED TO STRUCTURE	DIFFUSE ACRYLIC LENS WITH ENDCAPS	DLC	METALUX LIGHTING SNLED SERIES COLUMBIA LIGHTING SNLED SERIES LITHONIA LIGHTING CSS SERIES DAY-BRITE LIGHTING FSS SERIES	D
DX	48" LENSED STRIP LIGHT, 0-10V DIMMING DOWN TO 10%, WHITE FINISH, INTEGRAL BATTERY INVERTER, 90 MINUTE BATTERY PACK WITH SELF TESTING AND SELF DIAGNOSTICS AND REMOTE INDICATORS	120/277 V	LED	5884	42 W	5000 K 80 CRI	CABLE MOUNTED TO STRUCTURE	DIFFUSE ACRYLIC LENS WITH ENDCAPS	DLC	METALUX LIGHTING SNLED SERIES COLUMBIA LIGHTING SNLED SERIES LITHONIA LIGHTING CSS SERIES DAY-BRITE LIGHTING FSS SERIES	DX
E	4" X 48" EXTRUDED ALUMINUM CEILING TRIM, STEEL HOUSING, 0-10V DIMMING DOWN TO 10%, IC RATED, WHITE FINISH	120/277 V	LED	734 LM / FOOT	32 W	5000 K 80 CRI	RECESSED	FLUSH SATIN LENS	N/A	MARK LIGHTING SL4L 4FT SERIES LITECONTROL LIGHTING 4L 4FT SERIES ALW LIGHTING LPXR 4FT SERIES STARTEK LIGHTING BEAMD SERIES	E
EX	4" X 48" EXTRUDED ALUMINUM CEILING TRIM, STEEL HOUSING, 0-10V DIMMING DOWN TO 10%, IC RATED, WHITE FINISH, 90 MINUTE BATTERY PACK WITH SELF TESTING AND SELF DIAGNOSTICS AND REMOTE INDICATORS	120/277 V	LED	734 LM / FOOT	32 W	5000 K 80 CRI	RECESSED	FLUSH SATIN LENS	N/A	MARK LIGHTING SL4L 4FT SERIES LITECONTROL LIGHTING 4L 4FT SERIES ALW LIGHTING LPXR 4FT SERIES STARTEK LIGHTING BEAMD SERIES	EX
F	4" X 48" EXTRUDED ALUMINUM CEILING TRIM, STEEL HOUSING, 0-10V DIMMING DOWN TO 10%, IC RATED, WHITE FINISH	120/277 V	LED	600 LM / FOOT	24 W	5000 K 80 CRI	RECESSED	FLUSH SATIN LENS	N/A	MARK LIGHTING SL4L 4FT SERIES LITECONTROL LIGHTING 4L 4FT SERIES ALW LIGHTING LPXR 4FT SERIES STARTEK LIGHTING BEAMD SERIES	F
FX	4" X 48" EXTRUDED ALUMINUM CEILING TRIM, STEEL HOUSING, 0-10V DIMMING DOWN TO 10%, IC RATED, WHITE FINISH, 90 MINUTE BATTERY PACK WITH SELF TESTING AND SELF DIAGNOSTICS AND REMOTE INDICATORS	120/277 V	LED	600 LM / FOOT	24 W	5000 K 80 CRI	RECESSED	FLUSH SATIN LENS	N/A	MARK LIGHTING SL4L 4FT SERIES LITECONTROL LIGHTING 4L 4FT SERIES ALW LIGHTING LPXR 4FT SERIES STARTEK LIGHTING BEAMD SERIES	FX
G	24" X 48" FLAT PANEL, STEEL, 0-10V DIMMING DOWN TO 10%, STATIC AIR FUNCTION, WHITE FINISH	120/277 V	LED	3368	25 W	5000 K 80 CRI	RECESSED	SATIN WHITE DIFFUSER	DLC	LITHONIA LIGHTING CPX 2X4 SERIES COLUMBIA LIGHTING CBT24 SERIES HE WILLIAMS LIGHTING BP24 SERIES METALUX LIGHTING 24CGT SERIES DAY-BRITE LIGHTING 2SBP SERIES	G
H	4" X 24" EXTRUDED ALUMINUM CEILING TRIM, STEEL HOUSING, 0-10V DIMMING DOWN TO 10%, IC RATED, WHITE FINISH	120/277 V	LED	600 LM / FOOT	12 W	5000 K 80 CRI	RECESSED	FLUSH SATIN LENS DIRECT	N/A	MARK LIGHTING S4PD 4FT SERIES LITECONTROL LIGHTING 4LPD4 SERIES ALW LIGHTING LPX4D 2FT SERIES LUMENWERX LIGHTING VIA4PD 2FT SERIES FINELITE LIGHTING HP4 SERIES	H
J	4" X 48" EXTRUDED ALUMINUM HOUSING, 0-10V DIMMING DOWN TO 10%, BLACK FINISH, BLACK SQUARE CANOPY SUPPORT, BLACK CORD, BLACK SQUARE POWER FEED	120/277 V	LED	600 LM / FT DN	19 W	5000 K 80 CRI	PENDANT	FLUSH SATIN LENS DIRECT	N/A	MARK LIGHTING S4PD 4FT SERIES LITECONTROL LIGHTING 4LPD4 SERIES ALW LIGHTING LPX4D 4FT SERIES FINELITE LIGHTING HP4 SERIES LUMENWERX LIGHTING VIA4PD 4FT SERIES	J
K	4" EXTRUDED ALUMINUM CEILING TRIM, STEEL HOUSING, 0-10V DIMMING DOWN TO 10%, IC RATED, WHITE FINISH, HEX SHAPE, ILLUMINATED CORNERS, COORDINATE WITH ARCHITECTURAL DRAWINGS	120/277 V	LED	600 LM / FOOT	24 W	5000 K 80 CRI	RECESSED	FLUSH SATIN LENS	N/A	FINELITE HP3 HEX	K
X	EXIT LIGHT, THERMOPLASTIC, RED STENCIL FACE, WHITE HOUSING, REFER TO PLANS FOR NUMBER OF FACES AND DIRECTIONAL ARROWS, UNIVERSAL MOUNTING, NICKLE CADMIUM BATTERY, SELF DIAGNOSTICS	120/277 V	LED	N/A	3 W	N/A	UNIVERSAL	N/A	N/A	SURE-LITES APX DUAL-LITE EVE LITHONIA LQM CHLORIDE LIGHTING 55 SERIES	X
Z	LED WALL LIGHT. DIE-CAST ALUMINUM HOUSING. HINGED DOOR FRAME. DARK BRONZE FINISH. U.L. LISTED FOR WET LOCATIONS.	120/277 V	LED	4504	15 W	5000 K 80 CRI	WALL MOUNTED		N/A	MCGRAW-EDISON ISS SPAULDING QSP LITHONIA WSQ UTOPIA LIGHTING WML SERIES	Z

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RICHLAND-BEAN BLOSSOM CSC ADDITION/RENOVATION TO EDGEWOOD HS

601 EDGEWOOD DR,
ELLETTSVILLE, IN 47429

DAVID L. JONES II
REGISTERED
NO.
PE12100175
STATE OF
MARYLAND
PROFESSIONAL ENGINEER

REVISIONS:

#	Date	Desc.
1	07.29.2026	ADDENDUM #4

100% CONSTRUCTION DOCUMENTS

PROJECT: #26102
DATE: 07-03-2026
DRAWN BY: BJW

ELECTRICAL LIGHTING SCHEDULES

E-601

PLOT DATE/TIME: 7/29/2026 2:38:05 PM

GENERAL MECHANICAL NOTES

A DARK LINES INDICATE NEW WORK.

B LIGHT SOLID LINES INDICATE EXISTING MECHANICAL EQUIPMENT, DUCTWORK, PIPING, AND/OR MECHANICAL ACCESSORIES TO REMAIN AS-IS. CONTRACTOR TO FIELD VERIFY ACTUAL EXISTING CONDITIONS PRIOR TO BIDDING.

MECHANICAL HVAC PLAN NOTES

1 REMOVE EXISTING SPACE TEMPERATURE SENSOR. PROVIDE SPACE TEMPERATURE SENSOR AND CONTROL CABLING TO NEW DDC CONTROLLER FOR EXISTING EQUIPMENT BEING CONTROLLED. FIELD VERIFY LOCATIONS OF UNITS AND CONTROLS.

2 REMOVE EXISTING CONTROLLER AND DAMPER ACTUATOR AT VAV TERMINAL UNIT. PROVIDE NEW DDC CONTROLLER AND DAMPER ACTUATOR IN EXISTING VAV TERMINAL UNIT CONTROL ENCLOSURE. EXISTING HEATING HOT WATER TEMPERATURE CONTROL VALVE REMAINS. PROVIDE NEW CONTROL COMMUNICATION WIRING AS REQUIRED BETWEEN CONTROLLER AND TEMPERATURE CONTROL VALVE. MAINTAIN EXISTING SEQUENCE OF OPERATION. PROVIDE PRE-DEMOLITION FLOW READINGS FOR VAV TERMINAL UNITS FOR FULL COOLING, MINIMUM COOLING, REHEAT, AND ANY OTHER SETTINGS. DOCUMENT FLOW RATE OF TEMPERATURE CONTROL VALVE AT FULL HEATING. REBALANCE AIRFLOW RATES AND HEATING HOT WATER FLOW RATES DOCUMENTED AT COMPLETION OF CONTROLS REPLACEMENT. REFER TO VAV TERMINAL UNIT SCHEDULES ON DRAWING M-601 FOR REFERENCE. TCC MUST INCLUDE TEST AND BALANCE SCOPE BY TAB CONTRACTOR IN THEIR BID.

3 PROVIDE NEW CONTROLLER FOR MULTIPLE ZONE VAV AHU. PROVIDE NEW COMMUNICATION WIRING FROM NEW CONTROLLER TO EXISTING CONTROL VALVE ACTUATORS AND DAMPER ACTUATORS. MAINTAIN EXISTING SEQUENCE OF OPERATION. REFER TO VAV AIR HANDLING UNIT SEQUENCE OF OPERATION ON M-701. PROVIDE NEW VARIABLE FREQUENCY DRIVE FOR EACH FAN IN AHU. FIELD VERIFY LOCATION OF VFD. REFER TO SCHEDULES ON DRAWING M-602 FOR VFD HORSEPOWER AND VOLTAGE. FIELD VERIFY HORSEPOWER AND VOLTAGE. TCC MUST INCLUDE DISCONNECTION AND RECONNECTION OF ELECTRICAL POWER TO VFD BY ELECTRICAL SUB-CONTRACTOR IN THEIR BID. PROVIDE PRE-DEMOLITION FLOW READINGS AT 100% SUPPLY FAN SETTING AND REBALANCE AIRFLOW TO DOCUMENTED VALUE AFTER CONTROLS REPLACEMENT. TCC MUST INCLUDE TEST AND BALANCE SCOPE BY TAB CONTRACTOR IN THEIR BID.

4 REMOVE EXISTING CONTROL WIRE FROM EXHAUST FAN STARTER AND EXISTING EXHAUST FAN CONTROLLER COMPLETE. EXISTING MOTOR STARTER REMAINS. FIELD VERIFY LOCATION OF MOTOR STARTER. PROVIDE NEW CONTROL WIRING FOR COMMUNICATION BETWEEN BMS AND EXHAUST FAN MOTOR STARTER. PROVIDE START/STOP OF EXHAUST FAN ON OWNER DEFINED SCHEDULE AND MONITOR STATUS AT OPERATOR WORK STATION. DOCUMENT EXISTING SEQUENCE OF OPERATION PRIOR TO DEMOLITION. IF EXISTING SEQUENCE VARIES FROM ABOVE, MAINTAIN EXISTING SEQUENCE OF OPERATION.

5 PROVIDE NEW CONTROLLER FOR RELIEF FANS. MAINTAIN EXISTING SEQUENCE OF OPERATION. REFER TO "SEQUENCE OF OPERATION - RELIEF AIR" ON DRAWING M-701. PROVIDE NEW VARIABLE FREQUENCY DRIVE FOR EACH RELIEF FAN. FIELD VERIFY LOCATION OF VFD. REFER TO SCHEDULES ON DRAWING M-602 FOR VFD HORSEPOWER AND VOLTAGE. FIELD VERIFY HORSEPOWER AND VOLTAGE. TCC MUST INCLUDE DISCONNECTION AND RECONNECTION OF ELECTRICAL POWER TO VFD BY ELECTRICAL SUB-CONTRACTOR IN THEIR BID.

6 REMOVE EXISTING CUH/PUH TEMPERATURE SENSOR AND COMMUNICATION WIRING COMPLETE. FIELD VERIFY LOCATION OF EXISTING SENSOR. PROVIDE NEW TEMPERATURE SENSOR AND COMMUNICATION WIRING TO NEW CUH/PUH DDC CONTROLLER. MAINTAIN EXISTING SEQUENCE OF OPERATION FOR CUH/PUH. PROVIDE FACEPLATE TYPE SENSOR.

7 PROVIDE NEW CONTROLLER TO PROVIDE COMMUNICATION FROM PACKAGE RTU CONTROLLER AND BUILDING AUTOMATION SYSTEM. PROVIDE NEW COMMUNICATION WIRING BETWEEN EXISTING RTU AND NEW CONTROLLER. MAINTAIN EXISTING SEQUENCE OF OPERATION AND POINTS LIST VISIBLE AT THE EXISTING OPERATOR WORKSTATION GRAPHIC.

8 REMOVE EXISTING AHU/RTU TEMPERATURE SENSOR AND COMMUNICATION WIRING COMPLETE. PROVIDE NEW TEMPERATURE SENSOR AND COMMUNICATION WIRING TO NEW AHU/RTU DDC CONTROLLER.

9 PROVIDE NEW CONTROLLER FOR GYMNASIUM AHU WITH TWO-SPEED MOTOR. EXISTING MOTOR STARTER/CONTROLLER REMAINS. PROVIDE NEW COMMUNICATION WIRING FROM NEW CONTROLLER TO EXISTING MOTOR STARTER/CONTROLLER. CONTROL VALVE ACTUATORS, INCLUDING DUCT MOUNTED REHEAT COIL CONTROL VALVE, AND DAMPER ACTUATORS. MAINTAIN EXISTING SEQUENCE OF OPERATION. REFER TO "SEQUENCE OF OPERATION - TWO SPEED AHU CONTROL" ON DRAWING M-701. FIELD VERIFY LOCATION OF MOTOR STARTER/CONTROLLER. REFER TO SCHEDULES ON DRAWING M-602. REBALANCE AIRFLOWS TO VALUES IN SCHEDULES AFTER CONTROLS REPLACEMENT. TCC MUST INCLUDE TEST AND BALANCE SCOPE BY TAB CONTRACTOR IN THEIR BID.

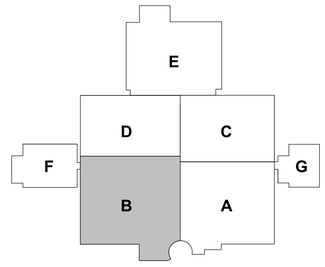
10 PROVIDE NEW CONTROLLER AND COMMUNICATIONS WIRING TO EXISTING RELIEF AIR DAMPER ON LEVEL ABOVE. ASSOCIATED WITH AHU. MAINTAIN EXISTING DPT. FIELD VERIFY LOCATION OF DAMPER ACTUATOR AND DPT. PROVIDE NEW COMMUNICATION WIRING BETWEEN EXISTING DPT AND CONTROLLER. MAINTAIN EXISTING SEQUENCE OF OPERATION. REFER TO "SEQUENCE OF OPERATION - RELIEF AIR" ON DRAWING M-701.

11 REMOVE EXISTING CONTROL WIRING FROM EXHAUST FAN STARTER AND EXISTING EXHAUST FAN CONTROLLER COMPLETE. EXISTING MOTOR STARTER REMAINS. EXISTING DPT REMAINS. FIELD VERIFY LOCATION OF MOTOR STARTER AND DPT. PROVIDE NEW CONTROL WIRING FOR COMMUNICATION BETWEEN BMS AND EXHAUST FAN MOTOR STARTER. PROVIDE START/STOP OF EXHAUST FAN WHEN SPACE STATIC PRESSURE EXCEEDS 0.05" WG. MONITOR EXHAUST FAN STATUS AT OPERATOR WORK STATION. DOCUMENT EXISTING SEQUENCE OF OPERATION PRIOR TO DEMOLITION. IF EXISTING SEQUENCE VARIES FROM ABOVE, MAINTAIN EXISTING SEQUENCE OF OPERATION.

12 EQUIPMENT IS PART OF A PACKAGED VRF SYSTEM. FEILD VERIFY EXISTING MONITORING POINTS CONNECTED TO BMS OPERATOR WORKSTATION FOR THIS EQUIPMENT, IF ANY. MAINTAIN SAME LEVEL OF VISIBILITY AND CONTROL THAT EXISTS FROM THE EXISTING OPERATOR WORKSTATION.

13 INTEGRATE NEW CONTROLS FOR EXISTING LIGHTING CONTACTORS. SEE SHEET M-701 FOR PANEL LAYOUT.

1 **MECHANICAL HVAC FIRST FLOOR PLAN - UNIT B**
1/8" = 1'-0"



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7700 W REEVES RD,
ELLETTSVILLE, IN 47404

REVISIONS:		
#	Date	Desc.
1	07-27-2026	ADDENDUM #3
2	07-29-2026	ADDENDUM #4

90% CONSTRUCTION DOCUMENTS

PROJECT:	#23117
DATE:	05-25-2026
DRAWN BY:	AM / JR

MECHANICAL HVAC FIRST FLOOR PLAN - UNIT B

MH102

PLOT DATE/TIME: 7/29/2026 1:52:23 PM

GENERAL MECHANICAL NOTES

A DARK LINES INDICATE NEW WORK.

B LIGHT SOLID LINES INDICATE EXISTING MECHANICAL EQUIPMENT, DUCTWORK, PIPING, AND/OR MECHANICAL ACCESSORIES TO REMAIN AS-IS. CONTRACTOR TO FIELD VERIFY ACTUAL EXISTING CONDITIONS PRIOR TO BIDDING.

MECHANICAL HVAC PLAN NOTES

1 REMOVE EXISTING SPACE TEMPERATURE SENSOR. PROVIDE SPACE TEMPERATURE SENSOR AND CONTROL CABLING TO NEW DDC CONTROLLER FOR EXISTING EQUIPMENT BEING CONTROLLED. FIELD VERIFY LOCATIONS OF UNITS AND CONTROLS.

2 REMOVE EXISTING CONTROLLER AND DAMPER ACTUATOR AT VAV TERMINAL UNIT. PROVIDE NEW DDC CONTROLLER AND DAMPER ACTUATOR IN EXISTING VAV TERMINAL UNIT CONTROL ENCLOSURE. EXISTING HEATING HOT WATER TEMPERATURE CONTROL VALVE REMAINS. PROVIDE NEW CONTROL COMMUNICATION WIRING AS REQUIRED BETWEEN CONTROLLER AND TEMPERATURE CONTROL VALVE. MAINTAIN EXISTING SEQUENCE OF OPERATION. PROVIDE PRE-DEMOLITION FLOW READINGS FOR VAV TERMINAL UNITS FOR FULL COOLING, MINIMUM COOLING, REHEAT, AND ANY OTHER SETTINGS. DOCUMENT FLOW RATE OF TEMPERATURE CONTROL VALVE AT FULL HEATING. REBALANCE AIRFLOW RATES AND HEATING HOT WATER FLOW RATES DOCUMENTED AT COMPLETION OF CONTROLS REPLACEMENT. REFER TO VAV TERMINAL UNIT SCHEDULES ON DRAWING M-601 FOR REFERENCE. TCC MUST INCLUDE TEST AND BALANCE SCOPE BY TAB CONTRACTOR IN THEIR BID.

3 PROVIDE NEW CONTROLLER FOR MULTIPLE ZONE VAV AHU. PROVIDE NEW COMMUNICATION WIRING FROM NEW CONTROLLER TO EXISTING CONTROL VALVE ACTUATORS AND DAMPER ACTUATORS. MAINTAIN EXISTING SEQUENCE OF OPERATION. REFER TO VAV AIR HANDLING UNIT SEQUENCE OF OPERATION ON M-701. PROVIDE NEW VARIABLE FREQUENCY DRIVE FOR EACH FAN IN AHU. FIELD VERIFY LOCATION OF VFD. REFER TO SCHEDULES ON DRAWING M-602 FOR VFD HORSEPOWER AND VOLTAGE. FIELD VERIFY HORSEPOWER AND VOLTAGE. TCC MUST INCLUDE DISCONNECTION AND RECONNECTION OF ELECTRICAL POWER TO VFD BY ELECTRICAL SUB-CONTRACTOR IN THEIR BID. PROVIDE PRE-DEMOLITION FLOW READINGS AT 100% SUPPLY FAN SETTING AND REBALANCE AIRFLOW TO DOCUMENTED VALUE AFTER CONTROLS REPLACEMENT. TCC MUST INCLUDE TEST AND BALANCE SCOPE BY TAB CONTRACTOR IN THEIR BID.

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5 PROVIDE NEW CONTROLLER FOR RELIEF FANS. MAINTAIN EXISTING SEQUENCE OF OPERATION. REFER TO "SEQUENCE OF OPERATION - RELIEF AIR" ON DRAWING M-701. PROVIDE NEW VARIABLE FREQUENCY DRIVE FOR EACH RELIEF FAN. FIELD VERIFY LOCATION OF VFD. REFER TO SCHEDULES ON DRAWING M-602 FOR VFD HORSEPOWER AND VOLTAGE. FIELD VERIFY HORSEPOWER AND VOLTAGE. TCC MUST INCLUDE DISCONNECTION AND RECONNECTION OF ELECTRICAL POWER TO VFD BY ELECTRICAL SUB-CONTRACTOR IN THEIR BID.

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7 PROVIDE NEW CONTROLLER TO PROVIDE COMMUNICATION FROM PACKAGE RTU CONTROLLER AND BUILDING AUTOMATION SYSTEM. PROVIDE NEW COMMUNICATION WIRING BETWEEN EXISTING RTU AND NEW CONTROLLER. MAINTAIN EXISTING SEQUENCE OF OPERATION AND POINTS LIST VISIBLE AT THE EXISTING OPERATOR WORKSTATION GRAPHIC.

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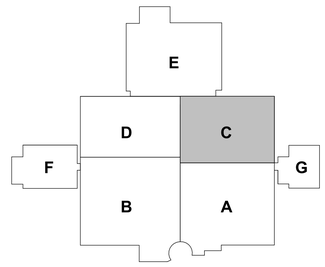
1/8" = 1'-0"



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90% CONSTRUCTION DOCUMENTS

PROJECT:	#23117
DATE:	05-25-2026
DRAWN BY:	AM / JR

MECHANICAL HVAC FIRST FLOOR PLAN - UNIT C

MH103

PLOT DATE/TIME:7/29/2026 1:52:26 PM

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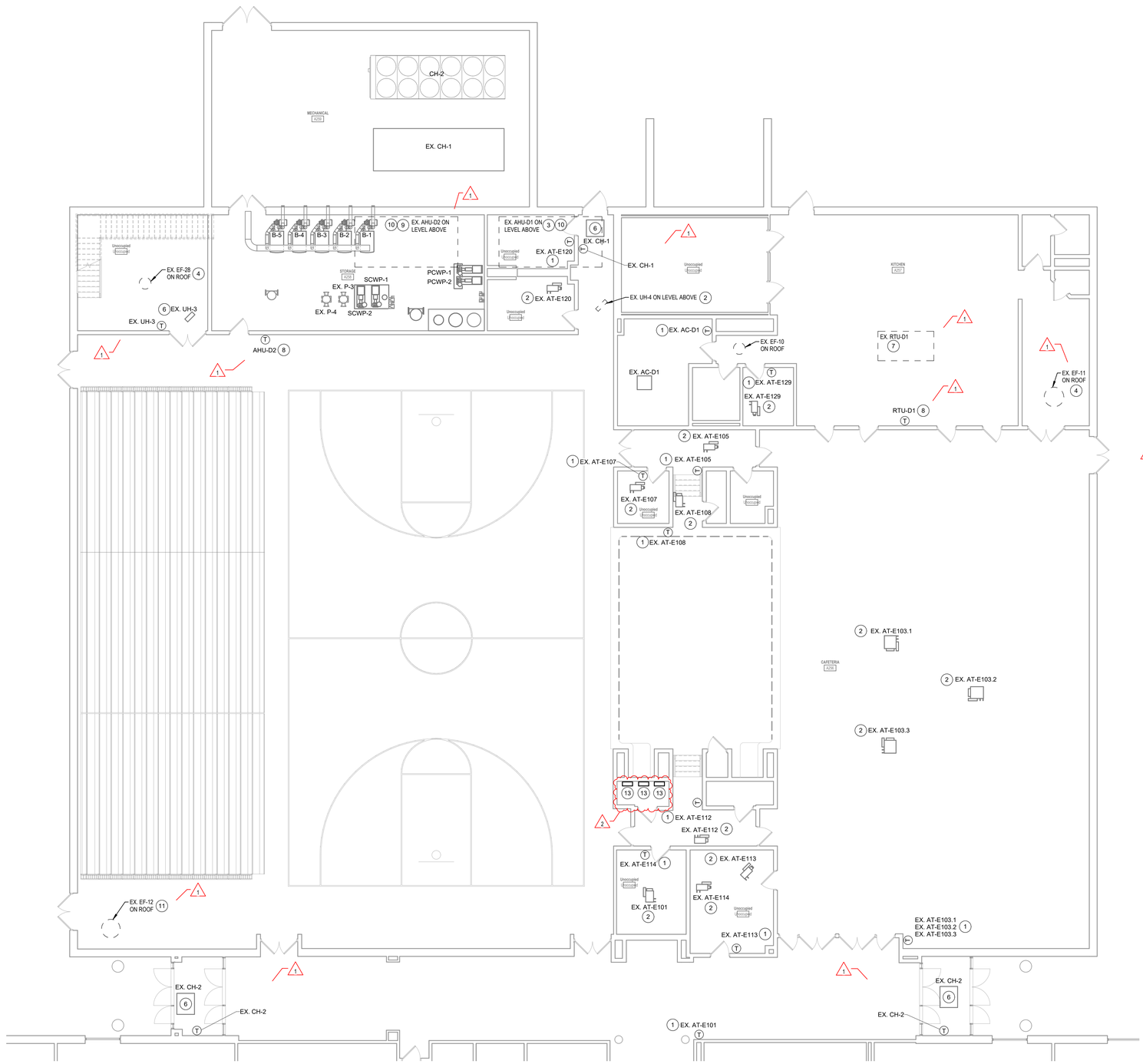
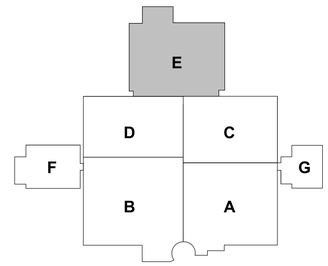


1 **MECHANICAL HVAC FIRST FLOOR PLAN - UNIT E**
1/8" = 1'-0"



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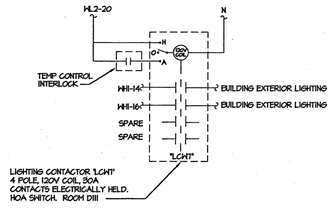
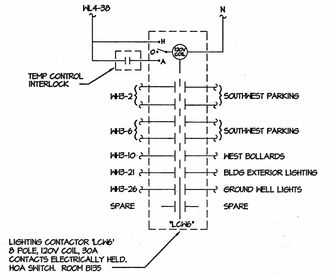
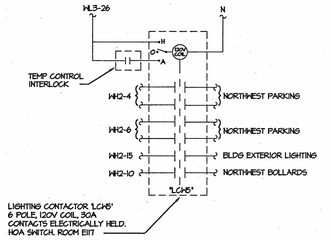
MECHANICAL HVAC FIRST FLOOR PLAN - UNIT E

MH105

PLOT DATE/TIME: 7/29/2026 1:32:27 PM

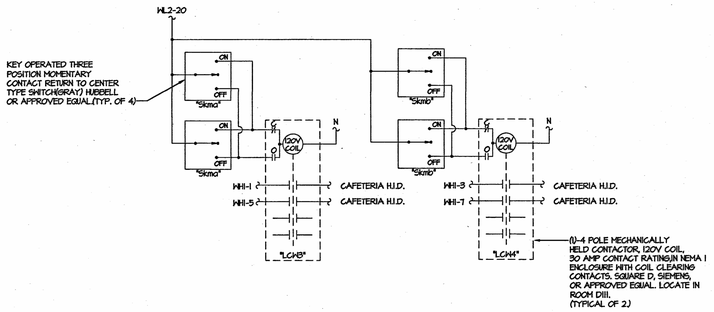






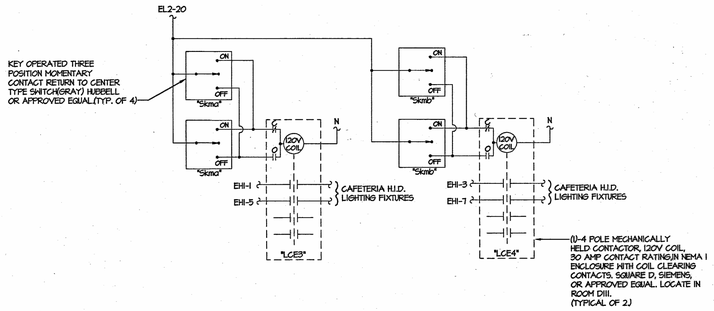
EXTERIOR LIGHTING CONTROL DIAGRAMS

SCALE: NONE



CAFETERIA 277V LIGHTING CONTROL DIAGRAM

SCALE: NONE



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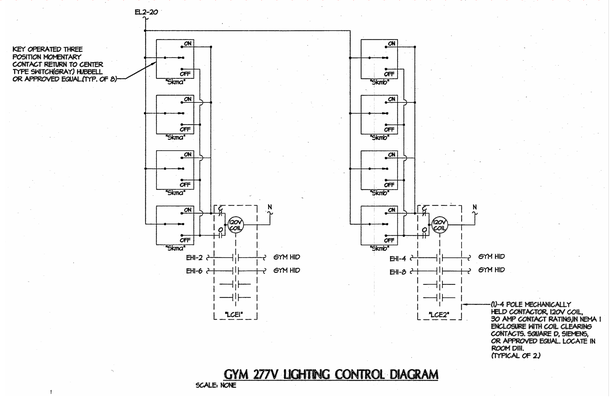

GYM 277V LIGHTING CONTROL DIAGRAM

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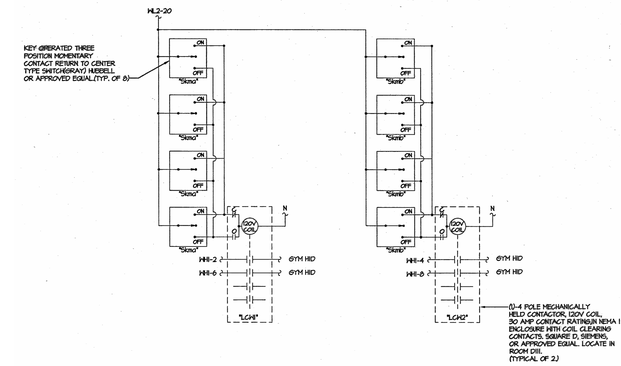

GYM 277V LIGHTING CONTROL DIAGRAM

SCALE: NONE

1 **LIGHTING CONTROLS**
NOT TO SCALE

1

SEQUENCE OF OPERATION – VARIABLE AIR VOLUME AHU

1. DAY MODE, CENTRAL AIR HANDLER.
   - A. SUPPLY FAN VARIABLE SPEED DRIVE SHALL BE CONTROLLED BY DUCT STATIC PRESSURE SENSORS, LOCATED APPROXIMATELY 2/3 OF THE DISTANCE TO THE FARTHEST TERMINAL UNIT. VFD'S SHALL BE FURNISHED BY SECTION 15400. DUCT STATIC PRESSURE SET POINT SHALL BE DETERMINED AT START-UP, AND SHALL BE APPROXIMATELY 1.5 INCHES W.C. FAN SHALL ALSO HAVE A DUCT STATIC PRESSURE HIGH LIMIT, LOCATED CLOSE TO THE FAN DISCHARGE, TO PREVENT OVER-PRESSURING OF THE DUCT SYSTEM.
   - B. HEATING AND COOLING CONTROL VALVES AND ECONOMIZER DAMPER SHALL OPERATE IN SEQUENCE TO MAINTAIN 55° F LEAVING AIR TEMPERATURE. THIS SIGNAL SHALL BE OVER-RIDDEN AS REQUIRED TO MAINTAIN HOT WATER COIL LEAVING WATER TEMPERATURE OF 55° F, AS MEASURED BY STRAP ON SENSOR.
   - C. OUTSIDE AIR MINIMUM SETTING AND EVENT MODE SETTING (AHU-D1 & J1) SHALL BE SET AT START-UP BY SECTION 15400 AT 100% FAN SPEED AND AGAIN AT 50% FAN SPEED. SECTION 15400 SHALL ESTABLISH AN OUTSIDE AIR RESET SCHEDULE TO VARY THE O/A DAMPER POSITION IN DIRECT RESPONSE TO FAN SPEED, TO MAINTAIN PROPER MINIMUM AIR REQUIREMENTS. AT FAN SPEEDS BELOW 50%, AT FAN SPEEDS BELOW 50%, THE O/A DAMPER SHALLMAINTAIN THE SETTING ESTABLISHED AT 50% SPEED. THERE SHALL BE A MIXED AIR LOW-LIMIT STAT SET AT 42° F TO LIMIT THE O/A DAMPER OPENING.
2. MORNING WARM-UP. THIS SEQUENCE SHALL APPLY WHEN THE SYSTEM IS GOING FROM NIGHT MODE TO DAY MODE AND THE O/A TEMPERATURE IS BELOW 60° F. THIS SEQUENCE SHALL APPLY TO SHUT-OFF AND REHEAT BOXES ONLY. FAN-POWERED BOXES SHALL OPERATE INDEPENDENTLY, AS DESCRIBED BELOW.
   - A. ALL NON-FAN POWERED BOXES SHALL HAVE THEIR PRIMARY AIR VALVES OPEN AND HW REHEAT VALVES CLOSED. WHEN SPACE DAY TEMPERATURE SET-POINT IS REACHED, PRIMAR AIR VALVE SHALL MODULATE IN RESPONSE TO T-STAT.
   - B. THE AHU SHALL START WITH THE OUTSIDE AIR DAMPER CLOSED, THE LEAVING AIR SET POINT AT 45° F, AND FAN SPEED SHALL OPERATE IN RESPONSE TO DUCT STATIC. THE UNIT SHALL OPERATE IN THIS MODE UNTIL ALL SPACES ARE AT DAY TEMPERATE SET POINT.
3. HEATING - NIGHT MODE OPERATION. THIS SEQUENCE SHALL APPLY TO SHUT-OFF AND REHEAT BOXES ONLY. FAN-POWERED BOXES SHALL OPERATE INDEPENDENTLY, AS DESCRIBED BELOW.
   - A. THE AHU O/A DAMPER SHALL BE CLOSED, AND THE FAN SHALL BE OFF.
   - B. THE HW VALVE AND THE FREEZE PROTECTION PUMP SHALL OPERATE AS DESCRIBED BELOW.
   - C. SECTION 15900 SHALL AVERAGE ALL NON-FAN POWERED SPACES, AND SHALL START THE AHU IF THE AVERAGE OF THE SPACES FALLS BELOW THE NOMINAL NIGHT SET-BACK TEMPERATURE OF 60° F. THE AHU & NON FAN POWERED BOXES SHALL OPERATE AS DESCRIBED IN THE 'MORNING WARM-UP' SECTION, AHU SHALL SHUT OFF WHEN THE NOMINAL DAY SET-POINT IS REACHED.
5. AIR TERMINAL OPERATION (A.K.A. 'BOXES' OR 'ATS'), DAY MODE. ALL AIR TERMINAL SHALL BE DESIGNED FOR PRESSURE INDEPENDENT OPERATION.
   - A. MINIMUM AND MAXIMUM BOX SETTINGS IN THE DAY MODE SHALL BE AS SCHEDULED. PRIMARY AIR VALVE SHALL OPEN WHEN SPACE IS ABOVE SET-POINT, AND CLOSE WHEN SPACE IS BELOW SET-POINT.
   - B. REHEAT BOX CONTROL SHALL BE AS DESCRIBED ABOVE. ON FURTHER DROP IN SPACE TEMPERATURE, PRIMARY AIR VALVE SHALL REMAIN AT MINIMUM AND HW VALVE SHALL OPEN TO MAINTAIN ROOM SET-POINT.
   - C. FAN POWERED BOXES SHALL BE SERIES CONSTRUCTION.
     - I. BOX FAN SHALL OPERATE DURING DAY MODE. PRIMARY AIR VALVE SHALL OPERATE AS DESCRIBED ABOVE, AND THE HW REHEAT VALVE SHALL OPEN AS REQUIRED TO MAINTAIN SPACE TEMPERATURE.
6. FAN POWERED BOXOPERATION, NIGHT MODE.
   - A. FAN POWERED BOXES SHALL HAVE THE PRIMARY AIR AND HW VALVES CLOSED. THE BOX FAN SHALL START AND THE HW VALVE SHALL OPEN IF THE SPACE TEMPERATURE FALLS BELOW THE NIGHT SET-BACK TEMP. EACH ZONE SHALL HAVE INDIVIDUAL NIGHT SET-BACK, AVERAGING IS NOT REQUIRED.
7. DAY MODE, UNOCCUPIED VENTILATION MODE, CENTRAL AIR HANDLER
   - A. CENTRAL AIR HANDLER SHALL OPERATE AS DESCRIBED IN DAY MODE OPERATION W/ O/A DAMPER CLOSED.
8. FREEZE PROTECTION PUMP OPERATION
   - A. PUMP SHALL BE ON AT ALL TIMES OAT IS BELOW 35° F WHEATHER UNIT IS ON OR OFF.
   - B. A STRAP ON COIL LHT THERMOSTAT SHALL OVERIDE THE HW VALVE SIGNAL TO MAINTAIN COIL LHT ABOVE 50° F.
9. AHU- D1 & J1 EVENT MODE
   - A. AHU-D1 & J1 SHALL HAVE AN EVENT MODE SETTING. EVENT MODE HOURS SHALL BE ADJUSTABLE THOUGH EMS.
   - B. AHU D1 & J1 O/A DAMPERS SHALL OPEN TO EVENT POSITION DURNING EVENT HOURS.
   - C. EVENT MODE SHALL BE SCHEDULED FOR PERIODS OF HIGH OCCUPANCY SUCH AS LUNCH PERIOD.

SEQUENCE OF OPERATION – TWO SPEED AHU CONTROL

1. DAY MODE
   - A. FAN SHALL START ON HIGH SPEED.
   - B. ON A CALL FOR COOLING, COOLING CONTORL VALVE SHALL OPEN AND FACE & BYPASS (F&BP) DAMPERS SHALL MODULATE TO MAINTAIN SPACE SETPOINT. HEATING CONROL VALVE SHALL BE CLOSED. O/S WITHIN 1° F OF SET POINT, FAN SHALL SWITCH TO LOW SPEED.
   - C. ON A CALL FOR HEATING W/ OAT ABOVE 35° F, THE F&BP DAMPER SHALL BE IN THE 100% FACE POSITION, AND THE HEATING CONTROL VALVE SHALL MODULATE TO MAINTAIN EXCEED 65° F. WHEN OAT IS BELOW 35° F, THE HEATING CONTORL VALVE SHALL BE OPEN AND THE F&BP. DAMPER SHALL MODULATE TO MAINTAIN SPACE SET-POINT. COOLING CONTOL VALVE SHALL BE CLOSED ON A CALL FOR HEATING. O/A DAMPER SHALL BE AT MIN. POSITION.
   - D. ECONOMIZER OPERATION SHALL BE PER ASHARE CYCYLE II.
   - E. RETURN AIR CO2 SENSOR SHALL OVERRIDE O/A DAMPER MIN. POSITION SETTING IF HIGH LIMIT OF 900 DDM IS EXCEEDED.
   - F. ABOVE ALL ELSE, MIXED AIR TEMP SENSOR SHALL OVERRIDE MIN. O/A DAMOER POSITION. IF MIXED AIR TEMPERATURE FALLS BELOW 50° F.
2. DAY MODE, UNOCCUPIED MODE
   - I. SAME AS DAY MODE W/ O/A DAMPER CLOSED.
3. NIGHT MODE
   - I. O/A DAMPER SHALL BE CLOSED. F&BP DAMPERS SHALL BE AT THE 100% FACE POSITION. FAN SHALL BE OFF. CONTORL VALVES SHALL BE CLOSED.
   - 2. IF TEMPERATURE FALLS BELOW NIGHT SET BACK TEMPERATURE OF 60° F, FAN SHALL START IN HIGH SPEED AND HEATING CONTROL VALVE SHALL MODULATE OPEN. SUPPLY AIR TEMP. SHALL NOT EXCEED 65° F. WHEN DAY SET-POINT IS REACHED FAN SHALL STOP AND HEATING CONTROL VALVE SHALL CLOSE.
   - 3. IF SPACE TEMPERATURE RISES ABOVE NIGHT SET BACK TEMPERATURE OF 80° F, FAN SHALL START IN LOW SPEED AND COOLING CONTROL VALVE SHALL OPEN. WHEN SPACE TEMPERATURE REACHES DAY SET-POINT FAN SHALL STOP AND COOLING CONTOL VALVE SHALL CLOSE.
3. COOLING NIGHT MODE OPERATION
   - A. SECTION 15900 SHALL AVERAGE ALL SPACES SERVED BY THE CENTRAL AIR HANDLER. IF THE AVERAGE TEMPERATURE OF THE SAIDSPACES IS ABOVE THE NIGHT SET-BACK TEMPERATURE OF 80° F (AD.J), THE CENTRAL AIR HANDLING SYSTEM AND ALL BOXES SHALL OPERATE AS DESCRIBED IN DAY/UNOCCUPIED MODE. WHEN ALL SAID SPACES REACH DAY SET-POINT CENTRAL AIR HAUNDLER & BOXES SHALL STOP & RETURN TO NIGHT MODE OPERATION.

SEQUENCE OF OPERATION – RELIEF AIR

1. THERE SHALL BE ONE PRESSURE SENSOR FOR EACH RELIEF AIR DAMPER, OR PAIR OF FANS.
2. PRESSURE SENSORS SHALL BE INSTALLLED SUCH THAT THEIR READINGS ARE NOT EFFECTED BY DRAFTS.
3. THE MOTORIZED RELIEF DAMPERS SHALL MODULATE TO MAINTAIN THE STATIC PRESSURE SETPOINT (0.03 IN WC. AD.J)
4. RELIEF FANS SHALL HAVE VFD'S PROVIDED BY SECT 15400.

   A PAIR OF REIEF FANS SHALL OPERATE IN UNISON. THE PAIRS ARE AS FOLLOWS RF-A1, E1; RF-B1, C1; RF-F1, K1; RF-G1, H1. THE FAN SPEED SHALL MODULATE TO MAINTAIN 0.03" W.C. (AD.J).
5. INTERLOCK WITH FIRE ALARM SYSTEM. ALL RELIEF DAMPERS SHALL CLOSE UPON ANY FIRE ALARM SIGNAL.
6. RELIEF FANS SHALL BE OFF AND RELIEF AIR DAMPERS SHALL BE CLOSED DURING UNOCCUPIED MODE.

FOR REFERENCE ONLY - EXISTING CONTROLS SEQUENCES

PLOT DATE/TIME:7/29/2026 1:32:38 PM

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GABRIEL S. CURRIER REGISTERED NO. PE10808972 STATE OF INDIANA PROFESSIONAL ENGINEER

REVISIONS:			
#	Date	Desc.	
1	07-29-202 6	ADDENDUM #4	

90% CONSTRUCTION DOCUMENTS

PROJECT:	#23117
DATE:	05-25-2026
DRAWN BY:	CSM

TEMPERATURE CONTROLS SCHEMATICS

M-701

GENERAL MECHANICAL NOTES

A DARK LINES INDICATE NEW WORK.
B LIGHT SOLID LINES INDICATE EXISTING MECHANICAL EQUIPMENT, DUCTWORK, PIPING, AND/OR MECHANICAL ACCESSORIES TO REMAIN AS-IS. CONTRACTOR TO FIELD VERIFY ACTUAL EXISTING CONDITIONS PRIOR TO BIDDING.

MECHANICAL HVAC PLAN NOTES

1 REMOVE EXISTING SPACE TEMPERATURE SENSOR. PROVIDE SPACE TEMPERATURE SENSOR AND CONTROL CABLING TO NEW DDC CONTROLLER FOR EXISTING EQUIPMENT BEING CONTROLLED. FIELD VERIFY LOCATIONS OF UNITS AND CONTROLS.

2 REMOVE EXISTING CONTROLLER AND DAMPER ACTUATOR AT VAV TERMINAL UNIT. PROVIDE NEW DDC CONTROLLER AND DAMPER ACTUATOR IN EXISTING VAV TERMINAL UNIT CONTROL ENCLOSURE. EXISTING HEATING HOT WATER TEMPERATURE CONTROL VALVE REMAINS. PROVIDE NEW CONTROL COMMUNICATION WIRING AS REQUIRED BETWEEN CONTROLLER AND TEMPERATURE CONTROL VALVE. MAINTAIN EXISTING SEQUENCE OF OPERATION. PROVIDE PRE-DEMOLITION FLOW READINGS FOR VAV TERMINAL UNITS FOR FULL COOLING, MINIMUM COOLING, REHEAT, AND ANY OTHER SETTINGS. DOCUMENT FLOW RATE OF TEMPERATURE CONTROL VALVE AT FULL HEATING. REBALANCE AIRFLOW RATES AND HEATING HOT WATER FLOW RATES DOCUMENTED AT COMPLETION OF CONTROLS REPLACEMENT. REFER TO VAV TERMINAL UNIT SCHEDULES ON DRAWING M-601 FOR REFERENCE. TCC MUST INCLUDE TEST AND BALANCE SCOPE BY TAB CONTRACTOR IN THEIR BID.

3 PROVIDE NEW CONTROLLER FOR MULTIPLE ZONE VAV AHU. PROVIDE NEW COMMUNICATION WIRING FROM NEW CONTROLLER TO EXISTING CONTROL VALVE ACTUATORS AND DAMPER ACTUATORS. MAINTAIN EXISTING SEQUENCE OF OPERATION. REFER TO VAV AIR HANDLING UNIT SEQUENCE OF OPERATION ON M-701. PROVIDE NEW VARIABLE FREQUENCY DRIVE FOR EACH FAN IN AHU. FIELD VERIFY LOCATION OF VFD. REFER TO SCHEDULES ON DRAWING M-602 FOR VFD HORSEPOWER AND VOLTAGE. FIELD VERIFY HORSEPOWER AND VOLTAGE. TCC MUST INCLUDE DISCONNECTION AND RECONNECTION OF ELECTRICAL POWER TO VFD BY ELECTRICAL SUB-CONTRACTOR IN THEIR BID. PROVIDE PRE-DEMOLITION FLOW READINGS AT 100% SUPPLY FAN SETTING AND REBALANCE AIRFLOW TO DOCUMENTED VALUE AFTER CONTROLS REPLACEMENT. TCC MUST INCLUDE TEST AND BALANCE SCOPE BY TAB CONTRACTOR IN THEIR BID.

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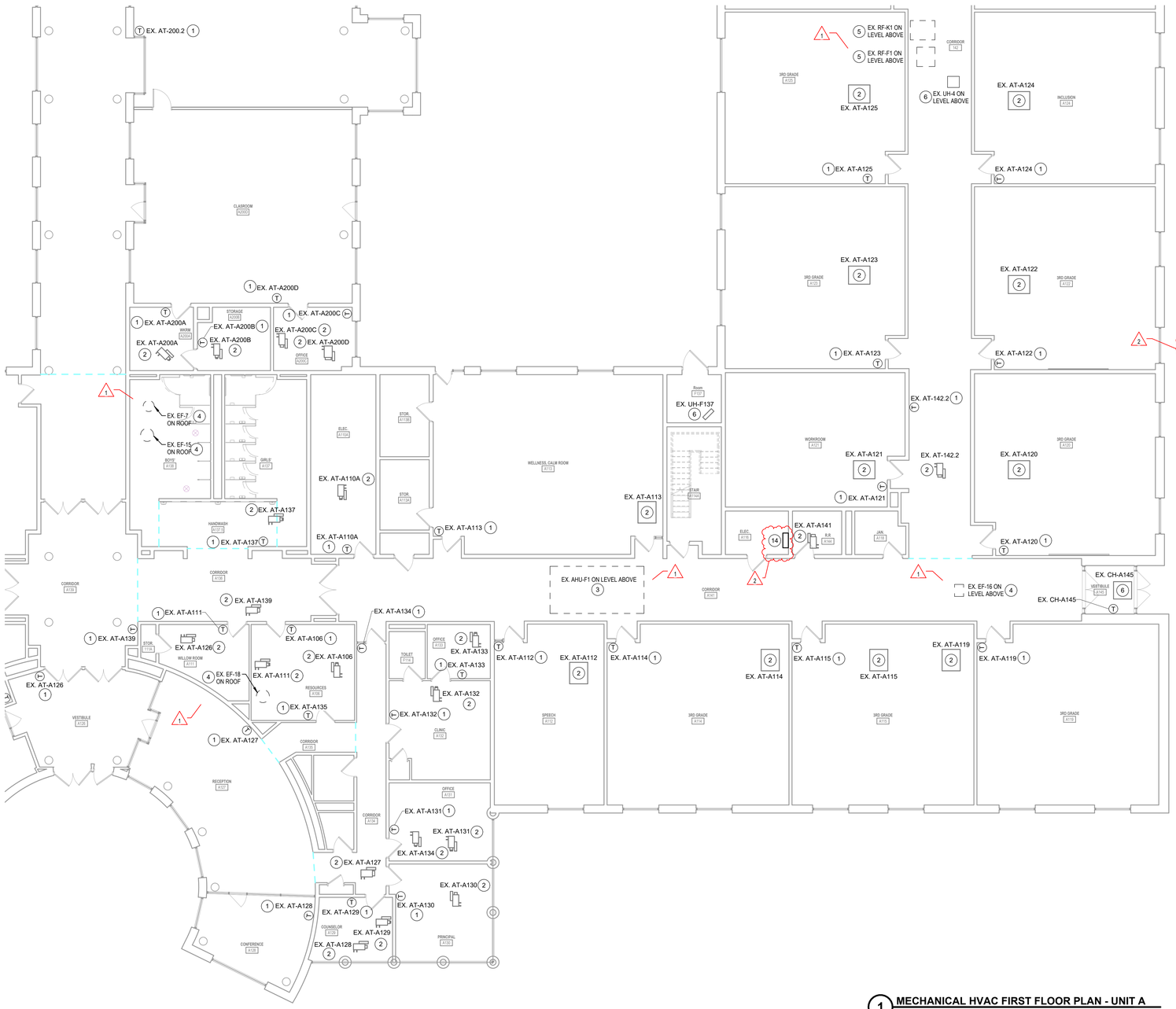
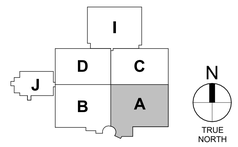
14 INTEGRATE NEW CONTROLS FOR EXISTING LIGHTING CONTACTORS. SEE SHEET M-701 FOR PANEL LAYOUT.



1 **MECHANICAL HVAC FIRST FLOOR PLAN - UNIT A**
1/8" = 1'-0"



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GABRIEL S. CIRCLER
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NO. PE10808972
STATE OF INDIANA
PROFESSIONAL ENGINEER

REVISIONS:

#	Date	Desc.
1	07-27-202	ADDENDUM #3
2	07-29-202	ADDENDUM #4

100% CONSTRUCTION DOCUMENTS

PROJECT:	#23117
DATE:	07-03-2026
DRAWN BY:	CSM

MECHANICAL HVAC FIRST FLOOR PLAN - UNIT A

MH101

PLOT DATE/TIME:7/29/2026 2:16:11 PM

GENERAL MECHANICAL NOTES

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B LIGHT SOLID LINES INDICATE EXISTING MECHANICAL EQUIPMENT, DUCTWORK, PIPING, AND/OR MECHANICAL ACCESSORIES TO REMAIN AS-IS. CONTRACTOR TO FIELD VERIFY ACTUAL EXISTING CONDITIONS PRIOR TO BIDDING.

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1 **MECHANICAL HVAC FIRST FLOOR PLAN - UNIT D**
1/8" = 1'-0"

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GABRIEL S. CURDLER
REGISTERED
NO. PE10808972
STATE OF INDIANA
PROFESSIONAL ENGINEER

REVISIONS:

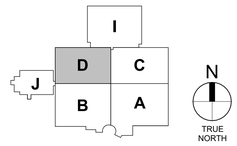
#	Date	Desc.
1	07-27-202	ADDENDUM #3
2	07-29-202	ADDENDUM #4

100% CONSTRUCTION DOCUMENTS

PROJECT:	#23117
DATE:	07-03-2026
DRAWN BY:	CSM

MECHANICAL HVAC FIRST FLOOR PLAN - UNIT D

MH104



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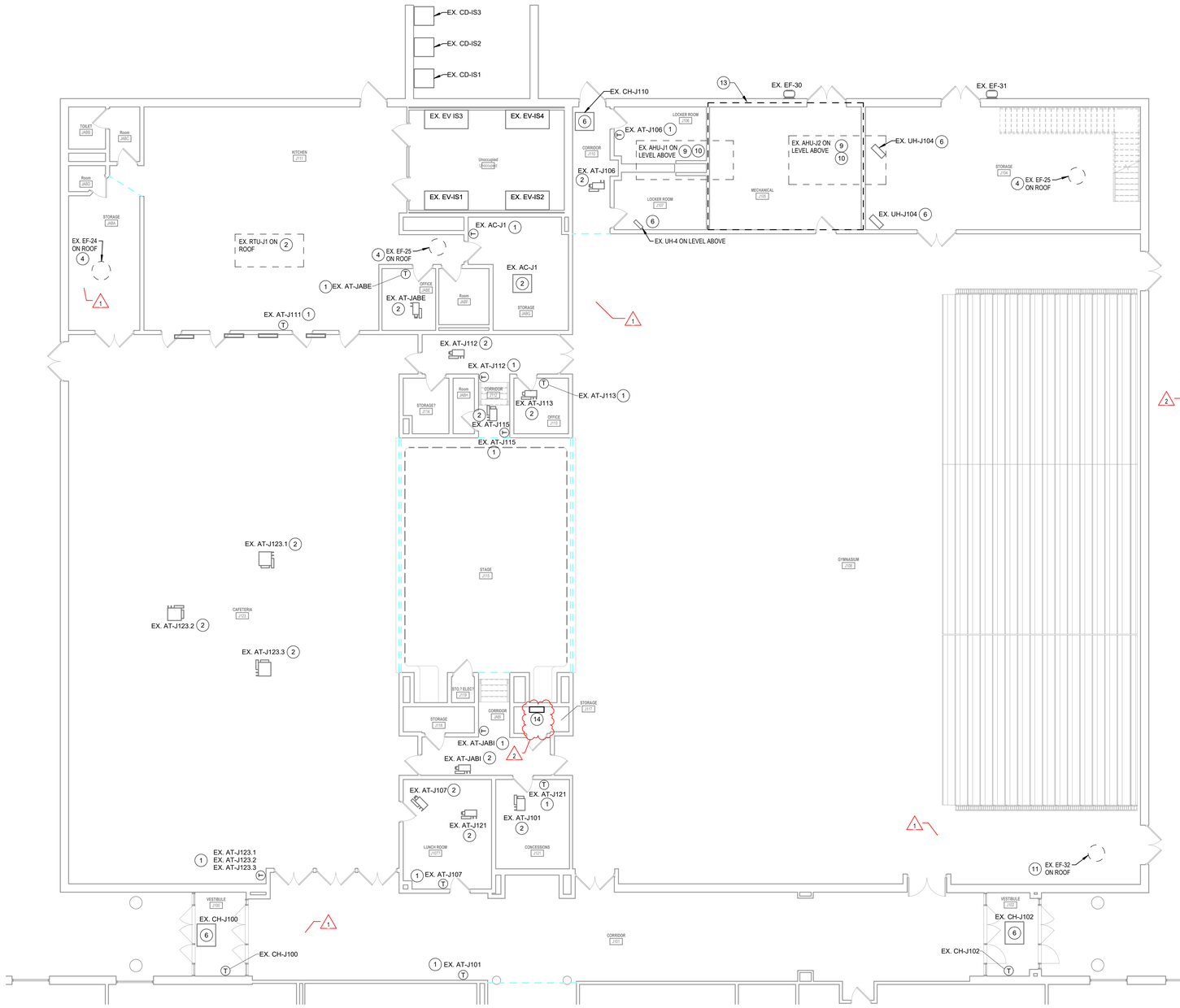

1 **MECHANICAL HVAC FIRST FLOOR PLAN - UNIT I**
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GENERAL MECHANICAL NOTES

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4 REMOVE EXISTING CONTROL WIRE FROM EXHAUST FAN STARTER AND EXISTING EXHAUST FAN CONTROLLER COMPLETE. EXISTING MOTOR STARTER REMAINS. FIELD VERIFY LOCATION OF MOTOR STARTER. PROVIDE NEW CONTROL WIRING FOR COMMUNICATION BETWEEN BMS AND EXHAUST FAN MOTOR STARTER. PROVIDE START/STOP OF EXHAUST FAN ON OWNER DEFINED SCHEDULE AND MONITOR STATUS AT OPERATOR WORK STATION. DOCUMENT EXISTING SEQUENCE OF OPERATION PRIOR TO DEMOLITION. IF EXISTING SEQUENCE VARIES FROM ABOVE, MAINTAIN EXISTING SEQUENCE OF OPERATION.

5 PROVIDE NEW CONTROLLER FOR RELIEF FANS. MAINTAIN EXISTING SEQUENCE OF OPERATION. REFER TO "SEQUENCE OF OPERATION - RELIEF AIR" ON DRAWING M-701. PROVIDE NEW VARIABLE FREQUENCY DRIVE FOR EACH RELIEF FAN. FIELD VERIFY LOCATION OF VFD. REFER TO SCHEDULES ON DRAWING M-602 FOR VFD HORSEPOWER AND VOLTAGE. FIELD VERIFY HORSEPOWER AND VOLTAGE. TCC MUST INCLUDE DISCONNECTION AND RECONNECTION OF ELECTRICAL POWER TO VFD BY ELECTRICAL SUB-CONTRACTOR IN THEIR BID.

6 REMOVE EXISTING CUH/PUH TEMPERATURE SENSOR AND COMMUNICATION WIRING COMPLETE. FIELD VERIFY LOCATION OF EXISTING SENSOR. PROVIDE NEW TEMPERATURE SENSOR AND COMMUNICATION WIRING TO NEW CUH/PUH DDC CONTROLLER. MAINTAIN EXISTING SEQUENCE OF OPERATION FOR CUH/PUH. PROVIDE FACEPLATE TYPE SENSOR.

7 PROVIDE NEW CONTROLLER TO PROVIDE COMMUNICATION FROM PACKAGE RTU CONTROLLER AND BUILDING AUTOMATION SYSTEM. PROVIDE NEW COMMUNICATION WIRING BETWEEN EXISTING RTU AND NEW CONTROLLER. MAINTAIN EXISTING SEQUENCE OF OPERATION AND POINTS LIST VISIBLE AT THE EXISTING OPERATOR WORKSTATION GRAPHIC.

8 REMOVE EXISTING AHU/RTU TEMPERATURE SENSOR AND COMMUNICATION WIRING COMPLETE. PROVIDE NEW TEMPERATURE SENSOR AND COMMUNICATION WIRING TO NEW AHU/RTU DDC CONTROLLER.

9 PROVIDE NEW CONTROLLER FOR GYMNASIUM AHU WITH TWO-SPEED MOTOR. EXISTING MOTOR STARTER/CONTROLLER REMAINS. PROVIDE NEW COMMUNICATION WIRING FROM NEW CONTROLLER TO EXISTING MOTOR STARTER/CONTROLLER, CONTROL VALVE ACTUATORS, INCLUDING DUCT MOUNTED REHEAT COIL CONTROL VALVE, AND DAMPER ACTUATORS. MAINTAIN EXISTING SEQUENCE OF OPERATION. REFER TO "SEQUENCE OF OPERATION - TWO SPEED AHU CONTROL" ON DRAWING M-701. FIELD VERIFY LOCATION OF MOTOR STARTER/CONTROLLER. REFER TO SCHEDULES ON DRAWING M-602. REBALANCE AIRFLOWS TO VALUES IN SCHEDULES AFTER CONTROLS REPLACEMENT. TCC MUST INCLUDE TEST AND BALANCE SCOPE BY TAB CONTRACTOR IN THEIR BID.

10 PROVIDE NEW CONTROLLER AND COMMUNICATIONS WIRING TO EXISTING RELIEF AIR DAMPER ON LEVEL ABOVE, ASSOCIATED WITH AHU. MAINTAIN EXISTING DPT. FIELD VERIFY LOCATOIN OF DAMPER ACTUATOR AND DPT. PROVIDE NEW COMMUNICATION WIRING BETWEEN EXISTING DPT AND CONTROLLER. MAINTAIN EXISTING SEQUENCE OF OPERATION. REFER TO "SEQUENCE OF OPERATION - RELIEF AIR" ON DRAWING M-701.

11 REMOVE EXISTING CONTROL WIRING FROM EXHAUST FAN STARTER AND EXISTING EXHAUST FAN CONTROLLER COMPLETE. EXISTING MOTOR STARTER REMAINS. EXISTING DPT REMAINS. FIELD VERIFY LOCATION OF MOTOR STARTER AND DPT. PROVIDE NEW CONTROL WIRING FOR COMMUNICATION BETWEEN BMS AND EXHAUST FAN MOTOR STARTER. PROVIDE START/STOP OF EXHAUST FAN WHEN SPACE STATIC PRESSURE EXCEEDS 0.05" WG. MONITOR EXHAUST FAN STATUS AT OPERATOR WORK STATION. DOCUMENT EXISTING SEQUENCE OF OPERATION PRIOR TO DEMOLITION. IF EXISTING SEQUENCE VARIES FROM ABOVE, MAINTAIN EXISTING SEQUENCE OF OPERATION.

12 EQUIPMENT IS PART OF A PACKAGED VRF SYSTEM. FEILD VERIFY EXISTING MONITORING POINTS CONNECTED TO BMS OPERATOR WORKSTATION FOR THIS EQUIPMENT, IF ANY. MAINTAIN SAME LEVEL OF VISIBILITY AND CONTROL THAT EXISTS FROM THE EXISTING OPERATOR WORKSTATION.

13 PROVIDE NEW CONTROLS COMMUNICATIONS WIRING, DDC CONTROLLERS, AND SOFTWARE PROGRAMMING FOR CENTRAL HEATING HOT WATER AND CENTRAL CHILLED WATER SYSTEMS. EXISTING CONTROLS DEVICES REMAIN, INCLUDING, BUT NOT LIMITED TO, VFDs and TERMPERATURE CONTROL VALVES, AND SENSORS. REFER TO SYSTEM DIAGRAMS AND SEQUENCES OF OPERATION ON DRAWING M-702.

14 INTEGRATE NEW CONTROLS FOR EXISTING LIGHTING CONTACTORS. SEE SHEET M-701 FOR PANEL LAYOUT.

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REVISIONS:

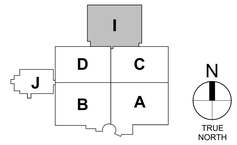
#	Date	Desc.
1	07-27-202	ADDENDUM #3
2	07-29-202 6	ADDENDUM #4

100% CONSTRUCTION DOCUMENTS

PROJECT:	#23117
DATE:	07-03-2026
DRAWN BY:	CSM

MECHANICAL HVAC FIRST FLOOR PLAN - UNIT I

MH105



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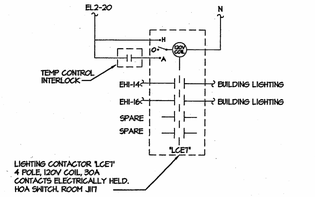

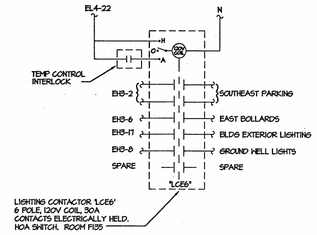

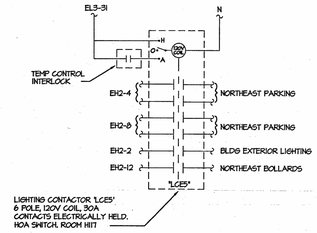

EXTERIOR LIGHTING CONTROL DIAGRAMS

SCALE: NONE

1 **EXISTING LIGHTING CONTROLS**
NOT TO SCALE

SEQUENCE OF OPERATION – VARIABLE AIR VOLUME AHU

1. DAY MODE, CENTRAL AIR HANDLER.
   - A. SUPPLY FAN VARIABLE SPEED DRIVE SHALL BE CONTROLLED BY DUCT STATIC PRESSURE SENSORS, LOCATED APPROXIMATELY 2/3 OF THE DISTANCE TO THE FARTHEST TERMINAL UNIT. VFD'S SHALL BE FURNISHED BY SECTION 15400. DUCT STATIC PRESSURE SET POINT SHALL BE DETERMINED AT START-UP, AND SHALL BE APPROXIMATELY 1.5 INCHES W.C. FAN SHALL ALSO HAVE A DUCT STATIC PRESSURE HIGH LIMIT, LOCATED CLOSE TO THE FAN DISCHARGE, TO PREVENT OVER-PRESSURING OF THE DUCT SYSTEM.
   - B. HEATING AND COOLING CONTROL VALVES AND ECONOMIZER DAMPER SHALL OPERATE IN SEQUENCE TO MAINTAIN 55° F LEAVING AIR TEMPERATURE. THIS SIGNAL SHALL BE OVER-RIDDEN AS REQUIRED TO MAINTAIN HOT WATER COIL LEAVING WATER TEMPERATURE OF 55° F, AS MEASURED BY STRAP ON SENSOR.
   - C. OUTSIDE AIR MINIMUM SETTING AND EVENT MODE SETTING (AHU-D1 & J1) SHALL BE SET AT START-UP BY SECTION 15400 AT 100% FAN SPEED AND AGAIN AT 50% FAN SPEED. SECTION 15400 SHALL ESTABLISH AN OUTSIDE AIR RESET SCHEDULE TO VARY THE O/A DAMPER POSITION IN DIRECT RESPONSE TO FAN SPEED, TO MAINTAIN PROPER MINIMUM AIR REQUIREMENTS. AT FAN SPEEDS BELOW 50%. AT FAN SPEEDS BELOW 50%, THE O/A DAMPER SHALLMAINTAIN THE SETTING ESTABLISHED AT 50% SPEED. THERE SHALL BE A MIXED AIR LOW-LIMIT STAT SET AT 42° F TO LIMIT THE O/A DAMPER OPENING.
2. MORNING WARM-UP. THIS SEQUENCE SHALL APPLY WHEN THE SYSTEM IS GOING FROM NIGHT MODE TO DAY MODE AND THE O/A TEMPERATURE IS BELOW 60° F. THIS SEQUENCE SHALL APPLY TO SHUT-OFF AND REHEAT BOXES ONLY. FAN-POWERED BOXES SHALL OPERATE INDEPENDENTLY, AS DESCRIBED BELOW.
   - A. ALL NON-FAN POWERED BOXES SHALL HAVE THEIR PRIMARY AIR VALVES OPEN AND HW REHEAT VALVES CLOSED. WHEN SPACE DAY TEMPERATURE SET-POINT IS REACHED, PRIMARY AIR VALVE SHALL MODULATE IN RESPONSE TO T-STAT.
   - B. THE AHU SHALL START WITH THE OUTSIDE AIR DAMPER CLOSED, THE LEAVING AIR SET POINT AT 45° F, AND FAN SPEED SHALL OPERATE IN RESPONSE TO DUCT STATIC. THE UNIT SHALL OPERATE IN THIS MODE UNTIL ALL SPACES ARE AT DAY TEMPERATE SET POINT.
3. HEATING - NIGHT MODE OPERATION. THIS SEQUENCE SHALL APPLY TO SHUT-OFF AND REHEAT BOXES ONLY. FAN-POWERED BOXES SHALL OPERATE INDEPENDENTLY, AS DESCRIBED BELOW.
   - A. THE AHU O/A DAMPER SHALL BE CLOSED, AND THE FAN SHALL BE OFF.
   - B. THE HW VALVE AND THE FREEZE PROTECTION PUMP SHALL OPERATE AS DESCRIBED BELOW.
   - C. SECTION 15400 SHALL AVERAGE ALL NON-FAN POWERED SPACES, AND SHALL START THE AHU IF THE AVERAGE OF THE SPACES FALLS BELOW THE NOMINAL NIGHT SET-BACK TEMPERATURE OF 60° F. THE AHU & NON FAN POWERED BOXES SHALL OPERATE AS DESCRIBED IN THE 'MORNING WARM-UP' SECTION, AHU SHALL SHUT OFF WHEN THE NOMINAL DAY SET-POINT IS REACHED.
5. AIR TERMINAL OPERATION (A.K.A. "BOXES" OR "ATS"), DAY MODE. ALL AIR TERMINAL SHALL BE DESIGNED FOR PRESSURE INDEPENDENT OPERATION.
   - A. MINIMUM AND MAXIMUM BOX SETTINGS IN THE DAY MODE SHALL BE AS SCHEDULED. PRIMARY AIR VALVE SHALL OPEN WHEN SPACE IS ABOVE SET-POINT, AND CLOSE WHEN SPACE IS BELOW SET-POINT.
   - B. REHEAT BOX CONTROL SHALL BE AS DESCRIBED ABOVE. ON FURTHER DROP IN SPACE TEMPERATURE, PRIMARY AIR VALVE SHALL REMAIN AT MINIMUM AND HW VALVE SHALL OPEN TO MAINTAIN ROOM SET-POINT.
   - C. FAN POWERED BOXES SHALL BE SERIES CONSTRUCTION.
     - I. BOX FAN SHALL OPERATE DURING DAY MODE. PRIMARY AIR VALVE SHALL OPERATE AS DESCRIBED ABOVE, AND THE HW REHEAT VALVE SHALL OPEN AS REQUIRED TO MAINTAIN SPACE TEMPERATURE.
6. FAN POWERED BOXOPERATION, NIGHT MODE.
   - A. FAN POWERED BOXES SHALL HAVE THE PRIMARY AIR AND HW VALVES CLOSED. THE BOX FAN SHALL START AND THE HW VALVE SHALL OPEN IF THE SPACE TEMPERATURE FALLS BELOW THE NIGHT SET-BACK TEMP. EACH ZONE SHALL HAVE INDIVIDUAL NIGHT SET-BACK, AVERAGING IS NOT REQUIRED.
7. DAY MODE, UNOCCUPIED VENTILATION MODE, CENTRAL AIR HANDLER
   - A. CENTRAL AIR HANDLER SHALL OPERATE AS DESCRIBED IN DAY MODE OPERATION W/ O/A DAMPER CLOSED.
8. FREEZE PROTECTION PUMP OPERATION
   - A. PUMP SHALL BE ON AT ALL TIMES OAT IS BELOW 35° F WHEATHER UNIT IS ON OR OFF.
   - B. A STRAP ON COIL LWT THERMOSTAT SHALL OVERIDE THE HW VALVE SIGNAL TO MAINTAIN COIL LWT ABOVE 50° F.
9. AHU- D1 & J1 EVENT MODE
   - A. AHU-D1 & J1 SHALL HAVE AN EVENT MODE SETTING. EVENT MODE HOURS SHALL BE ADJUSTABLE THOUGH EMS.
   - B. AHU D1 & J1 O/A DAMPERS SHALL OPEN TO EVENT POSITION DURNING EVENT HOURS.
   - C. EVENT MODE SHALL BE SCHEDULED FOR PERIODS OF HIGH OCCUPANCY SUCH AS LUNCH PERIOD.

SEQUENCE OF OPERATION – TWO SPEED AHU CONTROL

1. DAY MODE
   - A. FAN SHALL START ON HIGH SPEED.
   - B. ON A CALL FOR COOLING, COOLING CONTORL VALVE SHALL OPEN AND FACE & BYPASS (F&BP) DAMPERS SHALL MODULATE TO MAINTAIN SPACE SETPOINT. HEATING CONROL VALVE SHALL BE CLOSED. O/S WITHIN 1° F OF SET POINT, FAN SHALL SWITCH TO LOW SPEED.
   - C. ON A CALL FOR HEATING W/ OAT ABOVE 35° F, THE F&BP DAMPER SHALL BE IN THE 100% FACE POSITION AND THE HEATING CONTROL VALVE SHALL MODULATE TO MAINTAIN EXCEED 95° F. WHEN OAT IS BELOW 35° F, THE HEATING CONTORL VALVE SHALL BE OPEN AND THE F&BP. DAMPER SHALL MODULATE TO MAINTAIN SPACE SET-POINT. COOLING CONTOL VALVE SHALL BE CLOSED ON A CALL FOR HEATING. O/A DAMPER SHALL BE AT MIN. POSITION.
   - D. ECONOMIZER OPERATION SHALL BE PER ASHARE CYCYLE II.
   - E. RETURN AIR CO2 SENSOR SHALL OVERRIDE O/A DAMPER MIN. POSITION SETTING IF HIGH LIMIT OF 900 DDM IS EXCEEDED.
   - F. ABOVE ALL ELSE, MIXED AIR TEMP SENSOR SHALL OVERRIDE MIN. O/A DAMOER POSITION. IF MIXED AIR TEMPERATURE FALLS BELOW 50° F.
2. DAY MODE, UNOCCUPIED MODE
   - I. SAME AS DAY MODE W/ O/A DAMPER CLOSED.
3. NIGHT MODE
   - I. O/A DAMPER SHALL BE CLOSED. F&BP DAMPERS SHALL BE AT THE 100% FACE POSITION. FAN SHALL BE OFF. CONTORL VALVES SHALL BE CLOSED.
   - 2. IF TEMPERATURE FALLS BELOW NIGHT SET BACK TEMPERATURE OF 60° F, FAN SHALL START IN HIGH SPEED AND HEATING CONTROL VALVE SHALL MODULATE OPEN. SUPPLY AIR TEMP. SHALL NOT EXCEED 95° F. WHEN DAY SET-POINT IS REACHED FAN SHALL STOP AND HEATING CONTROL VALVE SHALL CLOSE.
   - 3. IF SPACE TEMPERATURE RISES ABOVE NIGHT SET BACK TEMPERATURE OF 80° F, FAN SHALL START IN LOW SPEED AND COOLING CONTROL VALVE SHALL OPEN. WHEN SPACE TEMPERATURE REACHES DAY SET-POINT FAN SHALL STOP AND COOLING CONTOL VALVE SHALL CLOSE.
3. COOLING NIGHT MODE OPERATION
   - A. SECTION 15400 SHALL AVERAGE ALL SPACES SERVED BY THE CENTRAL AIR HANDLER. IF THE AVERAGE TEMPERATURE OF THE SAIDSPACES IS ABOVE THE NIGHT SET-BACK TEMPERATURE OF 80° F (AD.J), THE CENTRAL AIR HANDLING SYSTEM AND ALL BOXES SHALL OPERATE AS DESCRIBED IN DAY/UNOCCUPIED MODE. WHEN ALL SAID SPACES REACH DAY SET-POINT CENTRAL AIR HAUNDLER & BOXES SHALL STOP & RETURN TO NIGHT MODE OPERATION.

SEQUENCE OF OPERATION – RELIEF AIR

1. THERE SHALL BE ONE PRESSURE SENSOR FOR EACH RELIEF AIR DAMPER, OR PAIR OF FANS.
2. PRESSURE SENSORS SHALL BE INSTALLLED SUCH THAT THEIR READINGS ARE NOT EFFECTED BY DRAFTS.
3. THE MOTORIZED RELIEF DAMPERS SHALL MODULATE TO MAINTAIN THE STATIC PRESSURE SETPOINT (0.03 IN WC. AD.J)
4. RELIEF FANS SHALL HAVE VFD'S PROVIDED BY SECT 15400.

   A PAIR OF REIEF FANS SHALL OPERATE IN UNISON. THE PAIRS ARE AS FOLLOWS RF-A1, E1, RF-B1, C1, RF-F1, K1; RF-G1, H1. THE FAN SPEED SHALL MODULATE TO MAINTAIN 0.03" W.C. (AD.J).
5. INTERLOCK WITH FIRE ALARM SYSTEM. ALL RELIEF DAMPERS SHALL CLOSE UPON ANY FIRE ALARM SIGNAL.
6. RELIEF FANS SHALL BE OFF AND RELIEF AIR DAMPERS SHALL BE CLOSED DURING UNOCCUPIED MODE.

FOR REFERENCE ONLY - EXISTING CONTROLS SEQUENCES

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REVISIONS:

#	Date	Desc.
1	07-29-202 6	ADDENDUM #4

100% CONSTRUCTION DOCUMENTS

PROJECT: #23117
DATE: 07-03-2026
DRAWN BY: CSM

TEMPERATURE CONTROLS SCHEMATICS

M-701

PLOT DATE/TIME: 7/29/2026 2:16:21 PM