

# ADDENDUM NO. 07

**October 16, 2023**

**Northwestern School Corporation – Multiple Projects**  
**3431 County Rd N 400 W**  
**Kokomo, IN 46901**

## **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 September 15, 2023, by Schmidt Associates. 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 7-1 through ADD 7-2 and attached Schmidt Associates Addendum No. 07 dated October 13, 2023, consisting of 37 pages, and Drawing Sheets: 2-I-206-r1, 2-PFDJ1, 2-PPDJ1, 2-PF1J1, 2-PP1J1, 2-PP1K1, 1-E-101, 1-ED1A1, 1-ED1B1, 1-ED1C1, 1-ED1D1, 1-EP1A1, 1-EP1B1, 1-EP1C1, 1-EP1D1, 1-E-601, 2-ED1A1, 2-ED1J1, 2-EL1B1, 2-EL1C1, 2-EL1D1, 2-EL1E1, 2-EL1J1, 2-EL1L2, 2-EP1F1, 2-EP1H1, 2-EP1J1, 2-E-601, and 3-E-601.

## **BID OPENING DATE**

The Bid Opening on Thursday, October 19, 2023, at 2:00 PM will **ONLY** be available to watch **via MS Teams Meeting**; see meeting link below:

Microsoft Teams meeting

**Join on your computer, mobile app, or room device**

[Click here to join the meeting](#)

Meeting ID: 246 774 153 413

Passcode: ozx9Ba

[Download Teams](#) | [Join on the web](#)

**Or call in (audio only)**

[+1 317-762-3960,,727808699#](#) United States, Indianapolis

Phone Conference ID: 727 808 699#

[Find a local number](#) | [Reset PIN](#)

**A. SPECIFICATION SECTION 00 31 00 INDIANA BID FORM**

1. Remove Alternate Bid No. 3 - Athletic Fencing

**B. SPECIFICATION SECTION 01 12 00 MULTIPLE CONTRACT SUMMARY**

1. Paragraph 3.03A Bid Categories

**A. Bid Category No. 1 – General Trades**

1. Delete the following Specification Section:

Section	09 96 13.15	Existing Portland Cement Terrazzo Flooring Refinishing
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2. Add the following Clarification:

41. Provide all Decorative Metal Railings, including, but not limited to, aluminum railings. The Bid Category No. 3 Contractor shall provide steel pipe and tube railings only.

**E. Bid Category No. 5 – Metal Studs/Drywall/Acoustic**

1. Delete the following Specification Section:

Section	07 25 00	Weather Barriers
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**C. SPECIFICATION SECTION 01 23 00 BID ALTERNATES**

1. Remove Alternate Bid No. 3 - Athletic Fencing

**CONTRACTOR'S BID FOR PUBLIC WORKS FORM NO. 96**

Format (Revised 2013)  
(Amended for NSC)

**Northwestern School Corporation – Multiple Projects**  
(Northwestern School Corporation)  
(Howard County)

**PART I**

(To be completed for all bids. Please type or print)

Date (month, day, year): \_\_\_\_\_

BIDDER (Firm) \_\_\_\_\_

Address \_\_\_\_\_ P.O. Box \_\_\_\_\_

City/State/Zip \_\_\_\_

Telephone Number: \_\_\_\_\_ Email Address: \_\_\_\_\_

Person to contact regarding this Bid \_\_\_\_\_

Pursuant to notices given, the undersigned offers to furnish labor and/or materials necessary to complete the public works project of:

\_\_\_\_\_  
Insert Category No. (s) and Name(s)

Of public works project, *Northwestern School Corporation-Multiple Projects*, in accordance with Plans and Specifications prepared by *Schmidt Associates, 415 Massachusetts Avenue, Indianapolis, IN 46204*, as follows:

BASE BID

For the sum of \_\_\_\_\_  
(Sum in words)

\_\_\_\_\_ DOLLARS (\$ \_\_\_\_\_)  
(Sum in figures)

Receipt of Addenda No. (s) \_\_\_\_\_

Bidder agrees that this Bid shall remain in force for a period of sixty (60) consecutive calendar days from the due date, and Bids may be accepted or rejected during this period. Bids not accepted within said sixty (60) consecutive calendar days shall be deemed rejected.

Has visited the jobsite YES \_\_\_\_\_ NO \_\_\_\_\_

Bidder has included their Written Drug Testing Plan that covers all employees of the bidder who will perform work on the public work project and meets or exceeds the requirements set in IC 4-13-18-5 or IC 4-13-18-6. YES NO \_\_\_\_\_

Bidder has included:

DBE:	YES _____%	NO _____
MBE:	YES _____%	NO _____
WBE:	YES _____%	NO _____
VBE:	YES _____%	NO _____

If additional units of material included in the contract are needed, the cost of units must be the same as that shown in the original contract if accepted by the governmental unit. If the bid is to be awarded on a unit bases, the itemization of the units shall be shown on a separate attachment.

## Bid Form Section 00 31 00-2



CERTIFICATION OF USE OF UNITED STATES STEEL PRODUCTS  
(if applicable)

I, the undersigned bidder, or agent as a contractor on a public works project, understand my statutory obligation to use steel products made in the United States (I.C. 5-16-8-2). I hereby certify that I and all subcontractors employed by me for this project will use U.S. steel on this project if awarded. I understand that violations hereunder may result in forfeiture of contractual payments.

ALTERNATE BIDS

A blank entry or an entry of "No Bid", "N/A", or similar entry on any Alternate will cause the bid to be rejected as non-responsive only if that Alternate is selected. If no change in the bid amount is required, indicate "No Change".

**\*\*MARK "ADD" OR "DEDUCT" FOR EACH ALTERNATE\*\***

Alternate Bid No. 1 – Howard Elementary Technology

Change the Base Bid the sum of \_\_\_\_\_  
(sum in words)

\_\_\_\_\_ DOLLARS (\$ \_\_\_\_\_)  
(sum in figures)

ADD  
DEDUCT

Alternate Bid No. 2 – Northwestern High School Technology

Change the Base Bid the sum of \_\_\_\_\_  
(sum in words)

\_\_\_\_\_ DOLLARS (\$ \_\_\_\_\_)  
(sum in figures)

ADD  
DEDUCT

Alternate Bid No. 3 – Athletic Fencing

Change the Base Bid the sum of \_\_\_\_\_  
~~(sum in words)~~

\_\_\_\_\_ DOLLARS (\$ \_\_\_\_\_)  
(sum in figures)

ADD  
DEDUCT

Alternate Bid No. 4 – High School New Main Entry

Change the Base Bid the sum of \_\_\_\_\_  
(sum in words)

\_\_\_\_\_ DOLLARS (\$ \_\_\_\_\_)  
(sum in figures)

ADD  
DEDUCT

Alternate Bid No. 5A – CHILLER EQUIPMENT

Change the Base Bid the sum of \_\_\_\_\_  
(sum in words)

\_\_\_\_\_ DOLLARS (\$\_\_\_\_\_) ADD  
(sum in figures) DEDUCT

Alternate Bid No. 5B – CHILLER EQUIPMENT

Change the Base Bid the sum of \_\_\_\_\_  
(sum in words)

\_\_\_\_\_ DOLLARS (\$\_\_\_\_\_) ADD  
(sum in figures) DEDUCT

Alternate Bid No. 6 – EAST SECONDARY CANOPY

Change the Base Bid the sum of \_\_\_\_\_  
(sum in words)

\_\_\_\_\_ DOLLARS (\$\_\_\_\_\_) ADD  
(sum in figures) DEDUCT

Alternate Bid No. 7 – NORTH SECONDARY CANOPY

Change the Base Bid the sum of \_\_\_\_\_  
(sum in words)

\_\_\_\_\_ DOLLARS (\$\_\_\_\_\_) ADD  
(sum in figures) DEDUCT

Alternate Bid No. 8 – FIELD HOUSE AIR: CONDITIONING

Change the Base Bid the sum of \_\_\_\_\_  
(sum in words)

\_\_\_\_\_ DOLLARS (\$\_\_\_\_\_) ADD  
(sum in figures) DEDUCT

## PART II

(For projects of \$150,000 or more – IC 36-1-12-4)

These statements to be submitted under oath by each bidder with and as a part of his bid. (Attach additional pages for each section as needed.)

### SECTION I EXPERIENCE QUESTIONNAIRE

1. What public works projects has your organization completed for the period of one (1) year prior to the date of the current bid?

Contract Amount	Class of Work	Completion Date	Name and Address of Owner

2. What public works projects are now in process of construction by your organization?

Contract Amount	Class of Work	Completion Date	Name and Address of Owner

3. Have you ever failed to complete any work awarded to you?\_\_\_\_\_If so, where and why?

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4. List references from private firms for which you have performed work.

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## SECTION II PLAN AND EQUIPMENT QUESTIONNAIRE

1. Explain your plan or layout for performing proposed Work. (Examples could include a narrative of when you could begin, complete the project, number of workers, etc. and any other information which you believe would enable the governmental unit to consider your bid.)

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2. Please list the names and addresses of all subcontractors (i.e. persons or firms outside your own firm who have performed part of the work) that you have used on public works projects during the past five (5) years along with a brief description of the work done by each subcontractor.

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3. If you intend to sublet any portion of the work, state the name and addresses of each subcontractor, equipment to be used by the subcontractor, and whether you will required a bond. However, if you are unable to currently provide a listing, please understand a listing must be provided prior to contract approval. Until the completion of the proposed project, you are under a continuing obligation to immediately notify the governmental unit in the event that you subsequently determine that you will use a subcontractor on the proposed project.

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4. What equipment do you have available to use for the proposed Project? Any equipment used by subcontractors may also be required to be listed by the governmental unit.

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5. Have you into contracts or received offers for all materials which substantiate the prices used in preparing your proposal? If not, please explain the rationale used which corroborate the process listed.

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### **SECTION III CONTRACTOR'S FINANCIAL STATEMENT**

Attachment of Bidder's financial statement is mandatory. Any Bid submitted without said financial statement as required by statute shall thereby be rendered invalid. The financial statement provided hereunder to the governing body awarding the Contract must be specific enough in detail so that said governing body can make a proper determination of the Bidder's capability for completing the Project if awarded.

### **SECTION IV CONTRACTOR NON-COLLUSION AFFIDAVIT**

The undersigned Bidder or agent, being duly sworn on oath, says that he has not, nor has any other member, representative, or agent of the firm, company, corporation or partnership represented by him, entered into any combination, collusion or agreement with any person relative to the price to be bid by anyone at such letting nor to prevent any person from bidding nor to induce anyone to refrain from bidding, and that this Bid is made without reference to any other bid and without any agreement, understanding or combination with any other person in reference to such bidding.

He further says that no person or persons, firms, or corporations has, have, or will receive directly or indirectly, any rebate, fee, gift, commission, or thing of value on account of such contract.

**SECTION V OATH AND AFFIRMATION**

I HEREBY AFFIRM UNDER THE PENALTIES OF PERJURY THAT THE FACTS AND INFORMATION CONTAINED IN THE FOREGOING BID FOR PUBLIC WORKS ARE TRUE AND CORRECT

Dated at \_\_\_\_\_ this \_\_\_\_\_ day of \_\_\_\_\_, 20

\_\_\_\_\_  
(Name of Organization)

By

\_\_\_\_\_  
(Title of Person Signing)

**ACKNOWLEDGEMENT**

STATE OF \_\_\_\_\_)

) SS:

COUNTY OF \_\_\_\_\_)

Before me, a Notary Public, personally appeared the above-named

\_\_\_\_\_  
Swore that the statements contained in the foregoing document are true and correct.

Subscribed and sworn to before me this \_\_\_\_\_ day of \_\_\_\_\_,

\_\_\_\_\_  
(Title)

Notary Public

My Commission Expires: \_\_\_\_\_

County of Residence: \_\_\_\_\_

END OF SECTION 00 31 00

## **SECTION 01 23 00 - ALTERNATES**

### **PART 1 - GENERAL**

#### **1.01 RELATED DOCUMENTS**

- A. Drawings and general provisions of the Contract, including amended General Conditions and other Division 1 Specification Sections, apply to work of this Section.

#### **1.02 PURPOSE**

- A. The Bids for the Alternates described herein are required in order for the Owner to obtain information necessary for the proper consideration of the Project in its entirety.

#### **1.03 ALTERNATES**

- A. Definitions: Alternates are defined as alternate products, materials, equipment, installations or systems for the Work, which may, at Owner's option and under terms established by Instructions to Bidders, be selected and recorded in the Owner-Contractor Agreement to either supplement or displace corresponding basic requirements of Contract Documents. Alternates may or may not substantially change scope and general character of the Work; and must not be confused with "allowances", "unit prices", "change orders", "substitutions", and other similar provisions.

#### **1.04 SCHEDULE OF ALTERNATES**

- A. ALTERNATE NO. 1: HOWARD ELEMENTARY TECHNOLOGY
  - 1. Base Bid: Provide intercom cabling and speakers in the renovated spaces.
  - 2. Alternate: State cost to provide materials, labor, and equipment for intercom cabling and speakers in the non-renovated/ existing ceiling areas. Remove all existing abandoned cabling and speakers, patch surfaces with like materials, prep and provide new finish.
- B. ALTERNATE NO. 2: NORTHWESTERN HIGH SCHOOL TECHNOLOGY
  - 1. Base Bid: Provide intercom cabling and speakers in the renovated spaces.
  - 2. Alternate: State cost to provide materials, labor, and equipment for intercom cabling and speakers in the non-renovated/ existing ceiling areas. Remove all existing abandoned cabling and speakers, patch surfaces with like materials, prep and provide new finish.

C. ALTERNATE NO. 3: ATHLETIC FENCING

1. Base Bid: ~~No Work.~~

2. Alternate: ~~State cost to provide materials, labor, and equipment for new Athletic Fencing, brick piers and gates as indicated on the Drawings.~~

D. ALTERNATE NO. 4: HIGH SCHOOL NEW MAIN ENTRY

1. Base Bid: Provide new aluminum storefront and all work in Vestibule E001 as indicated on the Drawings.

2. Alternate: State cost to provide materials, labor, and equipment as illustrated on 1A/2-A-402 and all associated drawings as required for the new entry work at the High School Main entry.

E. ALTERNATE NO. 5A: CHILLER EQUIPMENT

1. Base Bid: Provide chiller equipment as manufactured by Daikin Applied.

2. Alternate: State cost to provide chiller equipment as manufactured by Carrier in lieu of base bid equipment by Daikin Applied.

F. ALTERNATE NO. 5B: CHILLER EQUIPMENT

1. Base Bid: Provide chiller equipment as manufactured by Daikin Applied.

2. Alternate: State cost to provide chiller equipment as manufactured by Dunham-Busch in lieu of base bid equipment by Daikin Applied.

G. ALTERNATE NO. 6: EAST SECONDARY CANOPY

1. Base Bid: No Work.

2. Alternate: State cost to provide materials, labor, and equipment for new canopy on the exterior of Door D150.3 at the Concessions Lobby.

H. ALTERNATE NO. 7: NORTH SECONDARY CANOPY

1. Base Bid: No Work.

2. Alternate: State cost to provide materials, labor, and equipment for new canopy on the exterior of Vestibule D001 at the Athletic Entry.

I. ALTERNATE NO. 8: FIELD HOUSE AIR: CONDITIONING

1. Base Bid: No Work.

2. Alternate: State cost to provide materials, labor, and equipment for Air Conditioning and all work associated with providing Air Conditioning at the existing Field House per the Drawings.

PART 2 - PRODUCTS, PART 3 - EXECUTION (Not Used)  
END OF SECTION 01 23 00



# **ADDENDUM NO. 7**

## **OCTOBER 13, 2023**

PREPARED BY SCHMIDT ASSOCIATES FOR:  
**NORTHWESTERN TIGERS BUILDING UPDATES**  
**NORTHWESTERN (HOWARD) SCHOOL CORPORATION**

This Addendum consists of 37 Addendum pages and 29 attachment pages totaling 66 pages.

Acknowledge receipt of this Addendum by inserting its number on the Bid Form. Failure to do so may subject the Bid to disqualification. This Addendum is part of the Contract Documents.

Bidder is encouraged to verify with reprographer of record all Addenda issued (do not rely exclusively on third party plan room services).

### **PART 3 - CHANGES TO PRIOR ADDENDA**

#### **3.6 ADDENDUM NO. 5**

##### **A. Drawing Number 1.I-601 (NOT 2.I-601)**

1. DELETE Text Note PMT-1a, PMT-1b, PMT-2, PMT-3, PMT-4, PMTB-1 in its entirety from INTERIOR FINISH LEGEND.

#### **3.7 ADDENDUM NO. 6**

##### **A. MODIFY Section 095423 "LINEAR METAL CEILINGS" as follows:**

"2.2.1. Basis-of-Design Product: Subject to compliance with requirements, provide Metal-works Linear – IMMIX Ceiling by Armstrong Ceiling Solutions product indicated on Drawings or comparable product by one of the following:"

"2.4.A.1. Basis-of-Design Product: Subject to compliance with requirements, provide Metal-works Linear – IMMIX ceiling or comparable product by one of the following:"

### **PART 4 - CHANGES TO THE PROJECT MANUAL**

Modifications described herein shall be incorporated in the Project Manual. All other Work shall remain unchanged.

#### **4.6 DIVISION 07 – THERMAL AND MOISTURE PROTECTION**

##### **A. Section 072500 "WEATHER BARRIERS"**

1. DELETE Section 072500 in its entirety.

**B. Section 074293 "SOFFIT PANELS"**

1. MODIFY Subparagraph 2.2.A. 1. – 6. LINEAR METAL CEILING PANS (MSP) as follows:  
"1. Basis-of-Design Product: Subject to compliance with requirements, provide Metalworks Linear Classic Ceiling by Armstrong Ceiling Solutions product indicated on Drawings or comparable product by one of the following:  
  
2. Size: 6" x 96"  
3. Surface Texture: Smooth  
4. Composition: Aluminum Metal – Thickness 0.032"  
5. Color/Pattern: Custom Color  
6. Edge Profile: Square "

**4.7 DIVISION 09 – FINISHES**

**A. Section 095423 "LINEAR METAL CEILINGS"**

1. MODIFY Subparagraph 2.2. A. 1. – 3. LINEAR METAL CEILING PANS (MWP) as follows:  
"1. Basis-of-Design Product: Subject to compliance with requirements, provide Metalworks Linear – IMMIX Ceiling by Armstrong Ceiling Solutions product indicated on Drawings or comparable product by one of the following:  
  
2. 374A61 – Microperforated (with plain border and acoustical fleece) – 24" x 96", 6" Plank Width, 1" Plank Height, 4 Planks per panel, 1/8" space between planks"  
3. Color/Pattern: Custom Color

**A. Section 095113 "ACOUSTICAL PANEL CEILINGS"**

1. MODIFY Subparagraph 2.5.H as follows:  
"H. Thickness: 3/4"
2. ADD Subparagraph 2.10 A. – C. 1. METAL EDGE MOLDINGS AND TRIM as follows:  
"A. Basis-of-Design Product: Subject to compliance with requirements, AXIOM trim by Armstrong World Industries, Inc. or comparable product by one of the following:  
  
1. Armstrong World Industries, Inc  
2. CertainTeed Corporation  
3. Fry Reglet Corporation  
4. Gordon, Inc  
5. Rockfon  
6. United States Gypsum Company  
  
B. Roll-Formed, Sheet-Metal Edge Moldings and Trim: Type and profile indicated or, if not indicated, manufacturer's standard moldings for edges and penetrations that comply with seismic design requirements; formed from sheet metal of same material, finish, and color as that used for exposed flanges of suspension-system runners.

1. Edge moldings shall fit acoustical panel edge details and suspension systems indicated and match width and configuration of exposed runners unless otherwise indicated.
  2. For lay-in panels with reveal edge details, provide stepped edge molding that forms reveal of same depth and width as that formed between edge of panel and flange at exposed suspension member.
  3. For circular penetrations of ceiling, provide edge moldings fabricated to diameter required to fit penetration exactly.
- C. Extruded-Aluminum Edge Moldings and Trim: Where indicated, provide manufacturer's extruded-aluminum edge moldings and trim of profile indicated or referenced by manufacturer's designations, including splice plates, corner pieces, and attachment and other clips, complying with seismic design requirements.
1. Baked-Enamel or Powder-Coat Finish: Minimum dry film thickness of 1.5 mils . Comply with ASTM C 635/C 635M and coating manufacturer's written instructions for cleaning, conversion coating, and applying and baking finish."

#### **4.8 DIVISION 23 - HEATING, VENTILATING, AND AIR-CONDITIONING(HVAC)**

##### **A. Section 230130.51 "HVAC AIR-DISTRIBUTION CLEANING"**

##### **1. ADD Paragraph 1.2.B as follows:**

"B: Cleaning scope is limited to the following:

1. "Volume 1: Northwestern Elementary
  - a. Existing-to-remain classroom Vertical Unit Ventilators and associated supply air ductwork and air terminals (Units A, B, C, D).
  - b. Existing-to-remain Fan Powered Boxes and associated supply air ductwork and air terminals served by Ex. VAV-1 (Unit A).
2. Volume 2: Northwestern Middle/High School
  - a. Existing-to-remain classroom Vertical Unit Ventilators and associated supply air ductwork and air terminals (Units F, G, H).
    - 1) Including VUVs located in rooms G142, G144, G147, G148, and G154, not shown on mechanical drawings. Systems are similar size to those shown on drawings.
  - b. Existing-to-remain Air Handling Unit Ex. AHU-2 and associated Variable Air Volume boxes, supply, return, and outdoor air ductwork, and air terminals (Unit J).
  - c. Existing-to-remain components of Ex. AHU-MS1 (Referenced on sheet 2-M-505; physically located above Unit J) and all associated supply air ductwork and air terminals serving middle school (Unit L).

3. Volume 3: Howard Elementary
  - a. Existing-to-remain Fan Powered Boxes and associated supply air ductwork and air terminals where shown on drawings (1st & 2nd floors). Ductwork not shown on mechanical drawings at Howard Elementary does not need to be cleaned."
2. DELETE AND REPLACE Paragraph 3.4.E a follows:
 

"E. Photographic Documentation: In cleanliness verification report, include "before" and "after" photos of all systems cleaned as part of this specification section."
- B. **Section 230900.99 "DIRECT DIGITAL CONTROL SYSTEMS"**
  1. DELETE Section 2.5.I – Demand Limiting in its entirety.
 

"Demand limiting software implementation will not be a requirement of the temperature controls contractor scope of work."

## PART 5 - CHANGES TO THE DRAWINGS

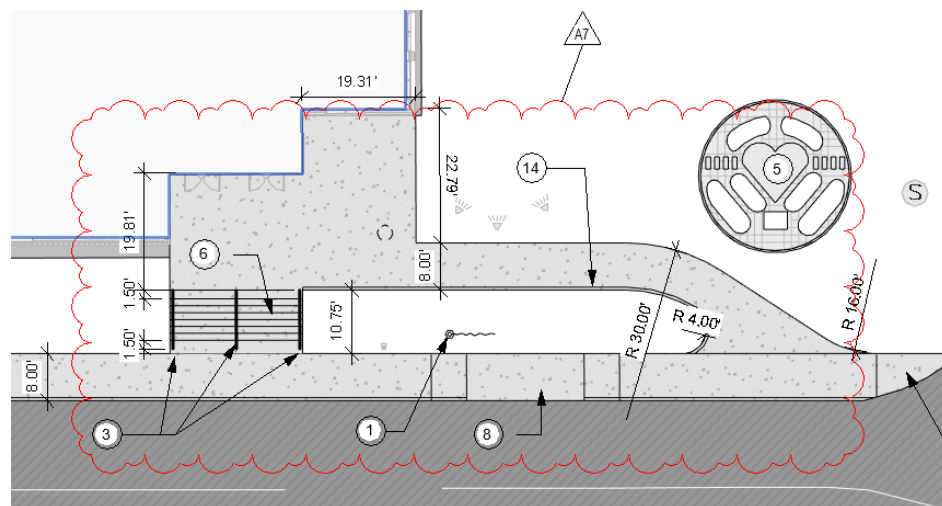
Modifications described herein shall be incorporated in the Drawings. All other Work shall remain unchanged.

### 5.6 DRAWING SHEETS: ADDITIONS, DELETIONS AND REPLACEMENTS

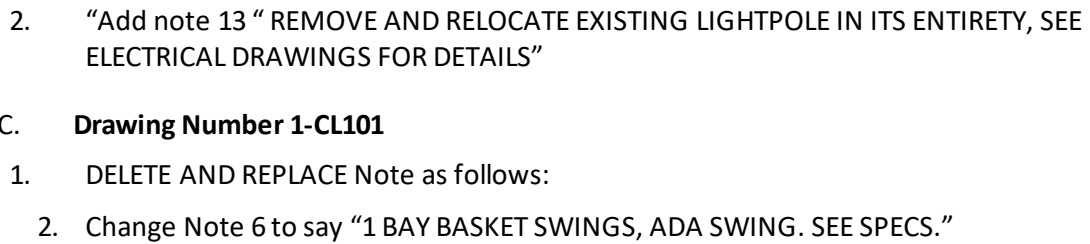
DRAWING NO.	INDICATE ACTION: ADD (A), DELETE (D), DELETE & REPLACE (R),
<b>I-SERIES DRAWINGS</b>	
2-I-206-r1	DELETE AND REPLACE
<b>P-SERIES DRAWINGS</b>	
2-PFDJ1	DELETE AND REPLACE
2-PPDJ1	DELETE AND REPLACE
2-PF1J1	DELETE AND REPLACE
2-PP1J1	DELETE AND REPLACE
2-PP1K1	DELETE AND REPLACE
<b>E-SERIES DRAWINGS</b>	
1-E-101	DELETE AND REPLACE
1-ED1A1	DELETE AND REPLACE
1-ED1B1	DELETE AND REPLACE
1-ED1C1	DELETE AND REPLACE
1-ED1D1	DELETE AND REPLACE
1-EP1A1	DELETE AND REPLACE
1-EP1B1	DELETE AND REPLACE
1-EP1C1	DELETE AND REPLACE
1-EP1D1	DELETE AND REPLACE
1-E-601	DELETE AND REPLACE
2-ED1A1	DELETE AND REPLACE

## 5.7 C-SERIES DRAWINGS

1. DELETE AND REPLACE Sketch as follows:

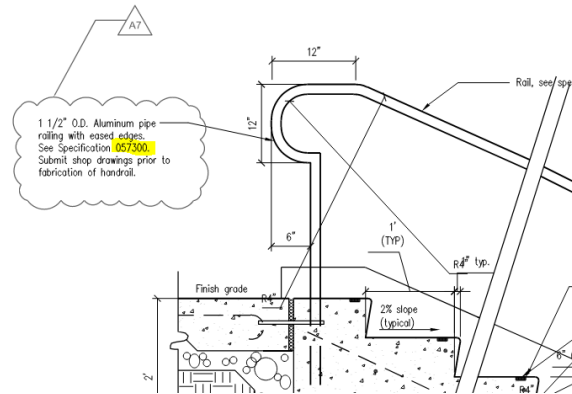


1. DELETE AND REPLACE Sketch as follows:



**D. Drawing Number 2-C5101**

1. DELETE AND REPLACE Note as follows:



2. Change Note on detail 2B to say "See Specification 057300"

**5.8 A-SERIES DRAWINGS**

**A. Drawing Number 1-AF1A1, 1-AF1B1, 1-AF1C1, 1-AF1D1**

1. MODIFY Note 8 as follows;  
"Not Used"

**A. Drawing Number 2-A-210, 2-A-211**

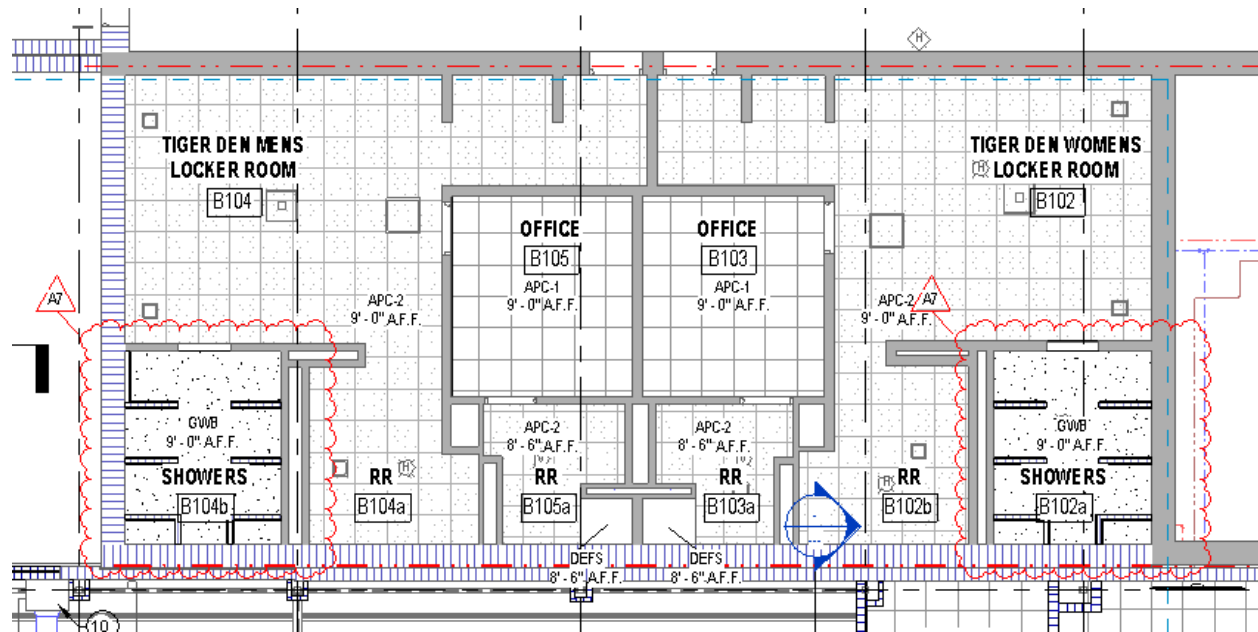
1. DELETE AND REPLACE Note 10 as follows:  
"07 42 93 – (MSP) METALWORKS LINEAR - CLASSIC"

**B. Drawing Number AF SERIES DRAWINGS**

1. ADD General Note N as follows:  
"N. All exterior exposed steel to be high performance coated 099600.99"

**C. Drawing Number 2-AC1B1**

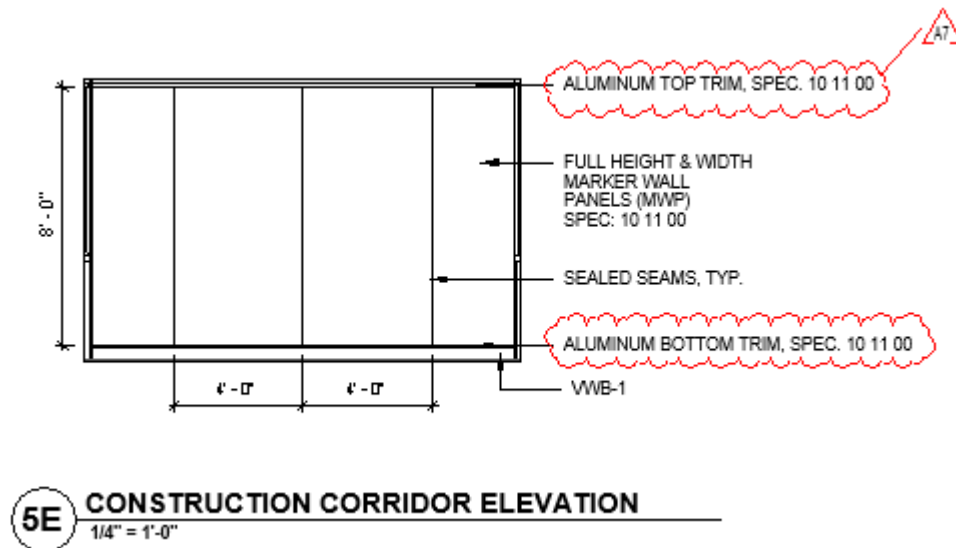
1. MODIFY Plan as follows:



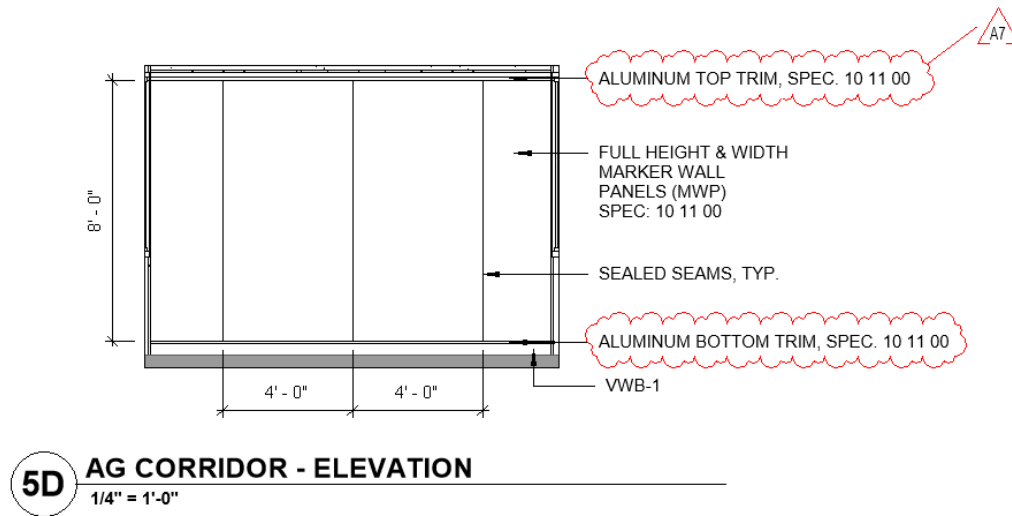
## 5.9 I-SERIES DRAWINGS

### A. Drawing Number 2-I-206

1. MODIFY Elevation(s) 5E & 5D as follows:







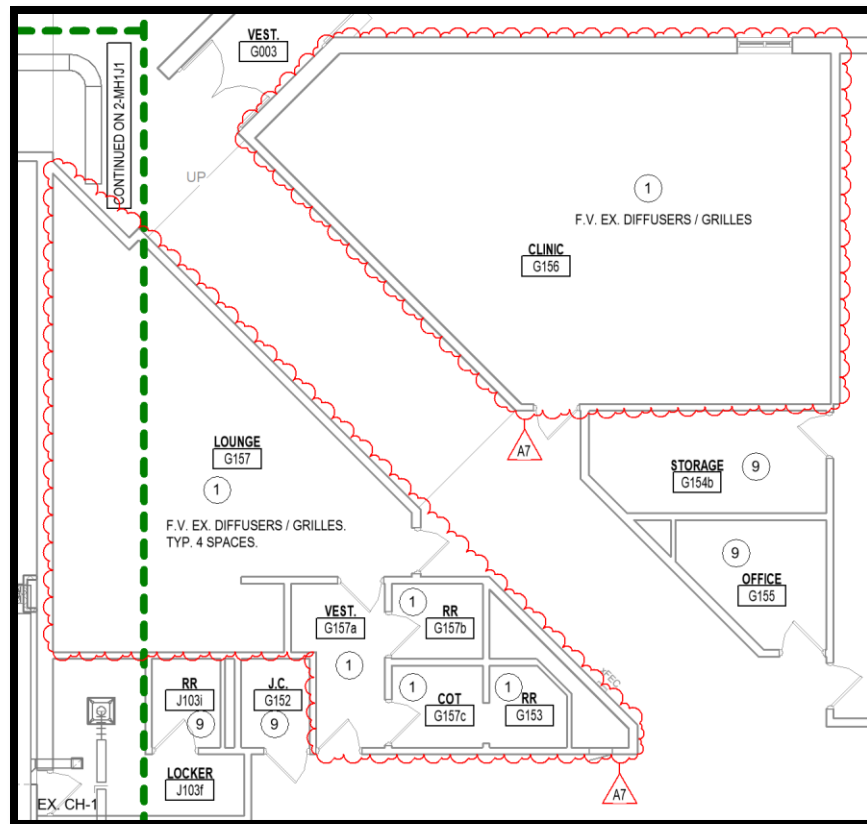
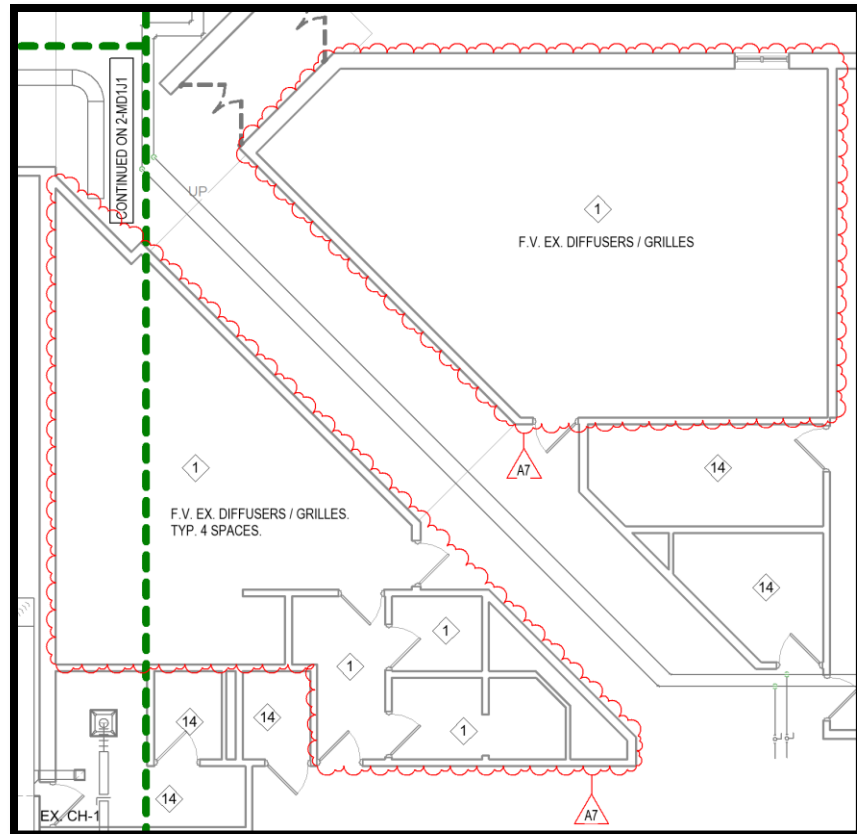
## 5.10 M-SERIES DRAWINGS

### A. Detail Numbers 4B/1-M-501, 4A/2-M-507, AND 3D/3-M-501

1. ADD text to end of Two Way Coil Piping Detail note #5 as follows:  
"FLEXIBLE HOSE KITS, WITH OR WITHOUT INTEGRAL TEMPERATURE CONTROL VALVE, ARE PERMITTED ON PIPE SIZES 2" AND SMALLER. SERVICE ACCESS MUST BE PROVIDED FOR ALL COMPONENTS OF HOSE KIT."

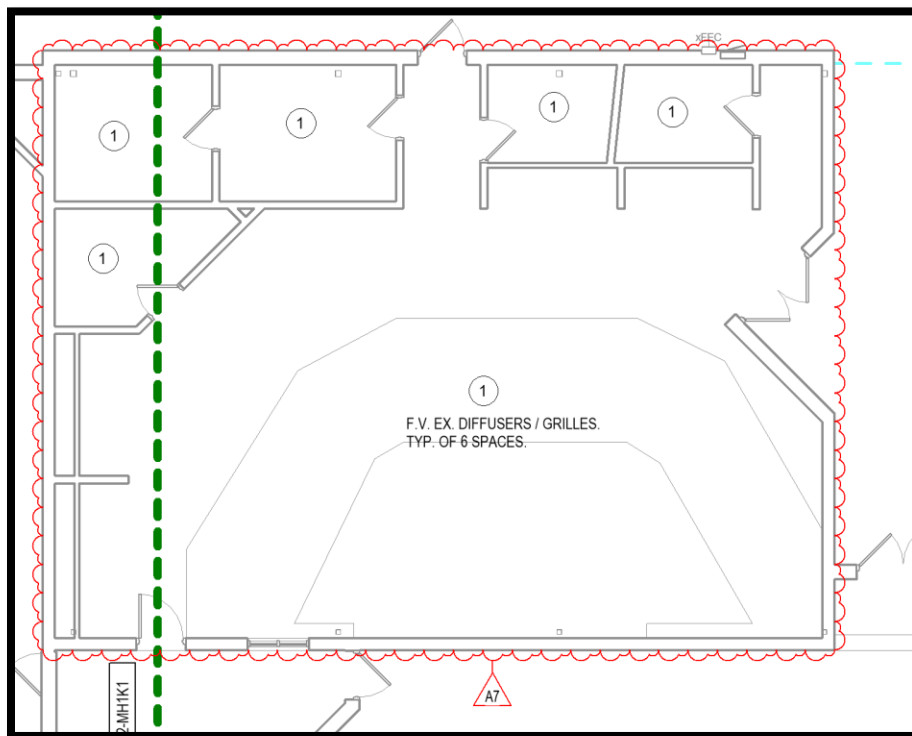
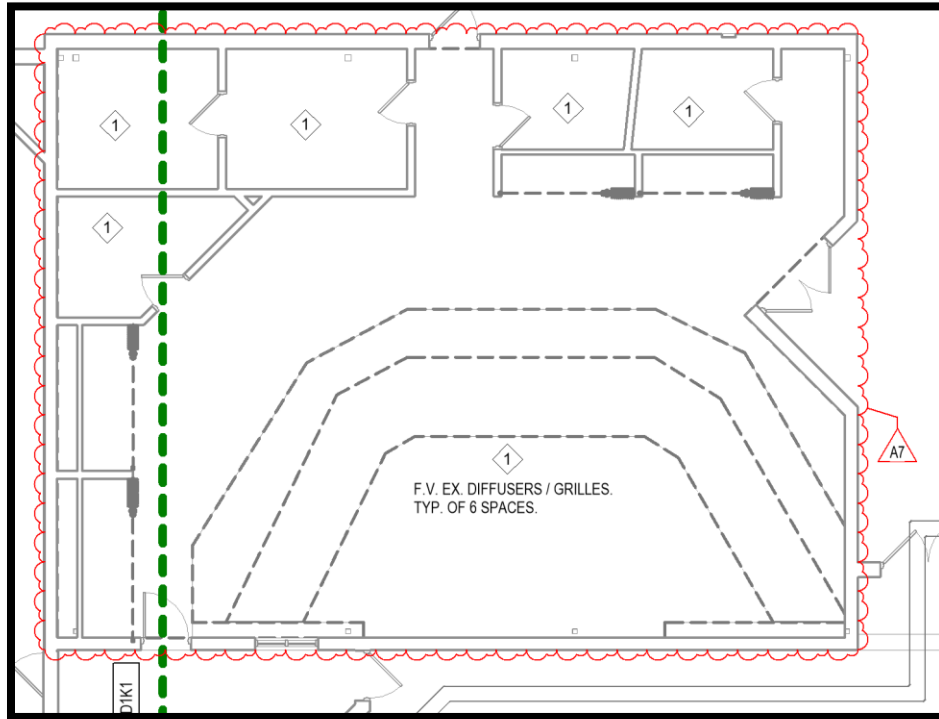
### B. Drawing Numbers 2-MD1G1 and 2-MH1G1

1. MODIFY Drawing as follows to field verify existing diffusers and remove/protect/replace to accommodate architectural ceiling replacement:



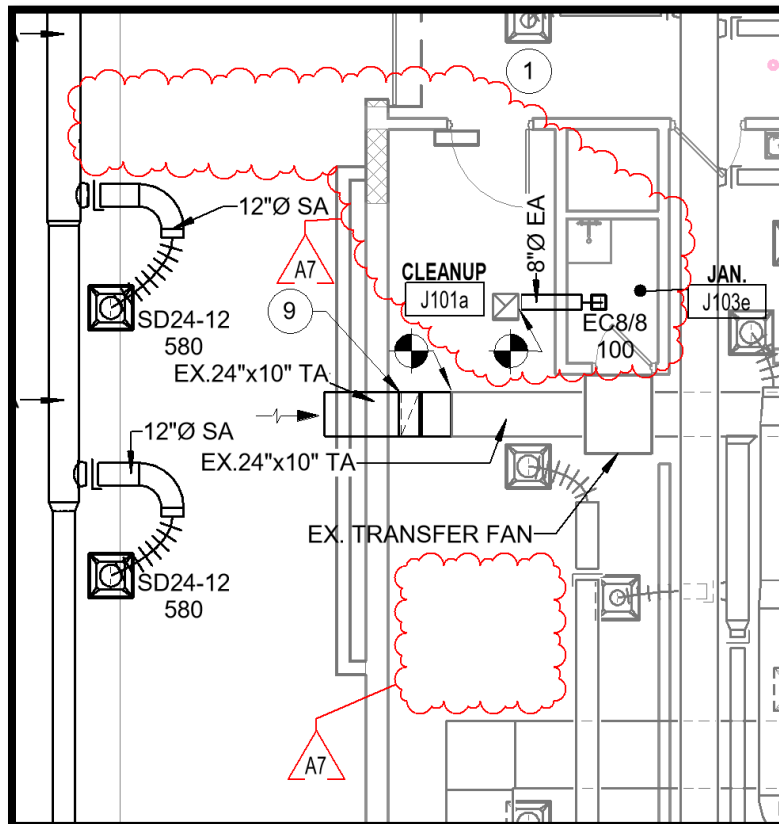
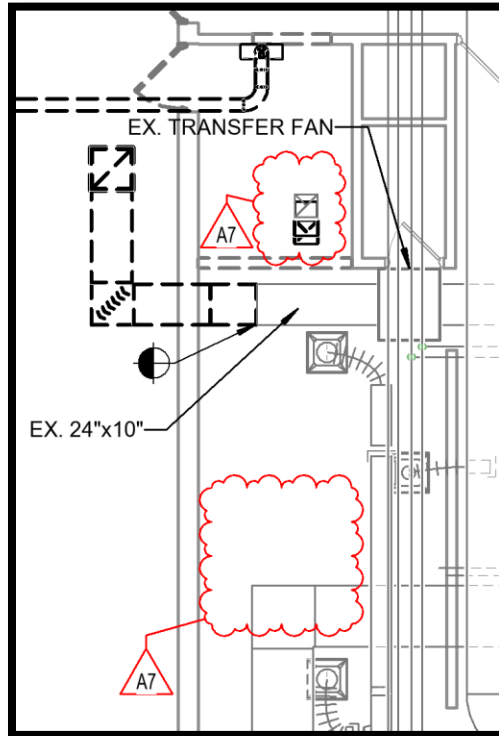
C. **Drawing Numbers 2-MD1H1 and 2-MH1H1**

1. MODIFY Drawing as follows to field verify existing diffusers and remove/protect/replace to accommodate architectural ceiling replacement:



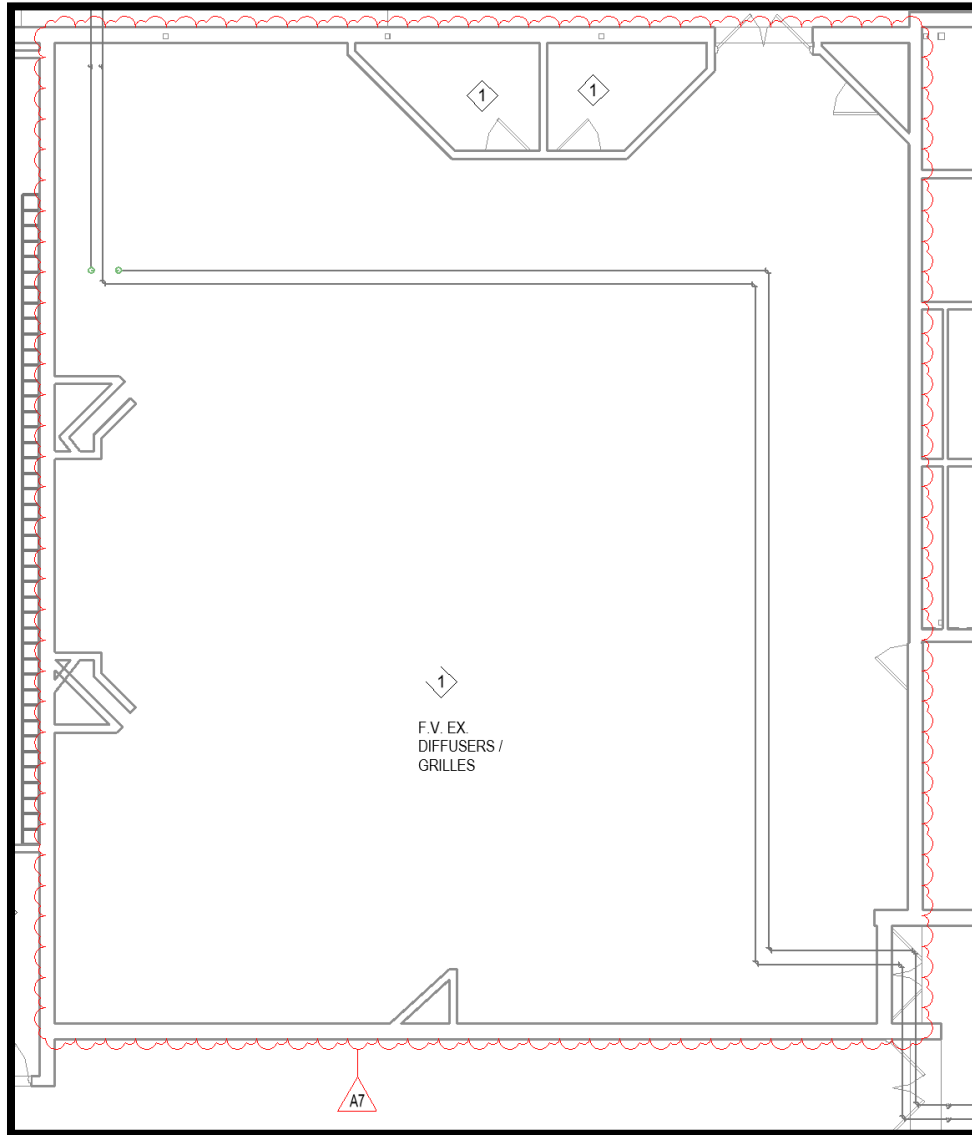
D. Drawing Numbers 2-MD1J1 and 2-MH1J1

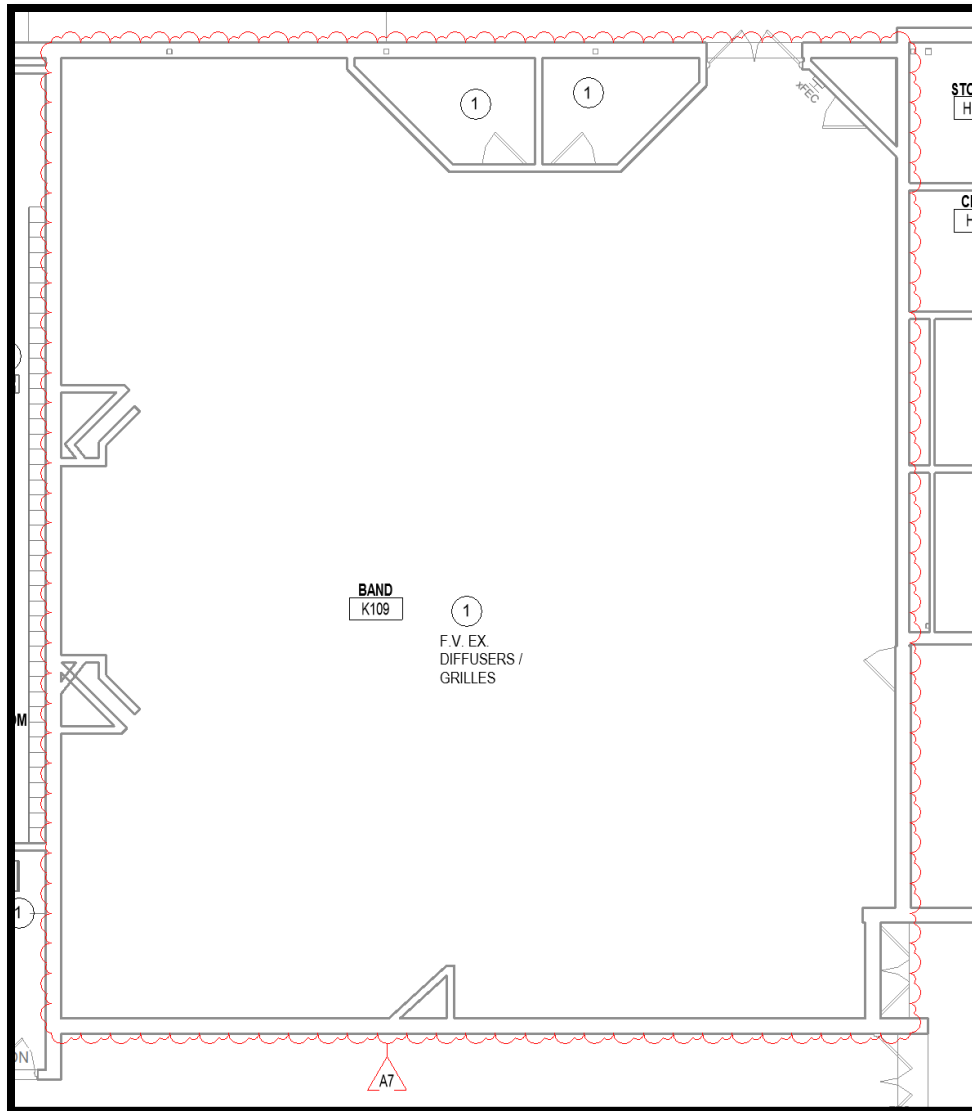
1. MODIFY Drawing as follows to accommodate architectural changes at janitor closet:



E. **Drawing Numbers 2-MD1K1 and 2-MH1K1**

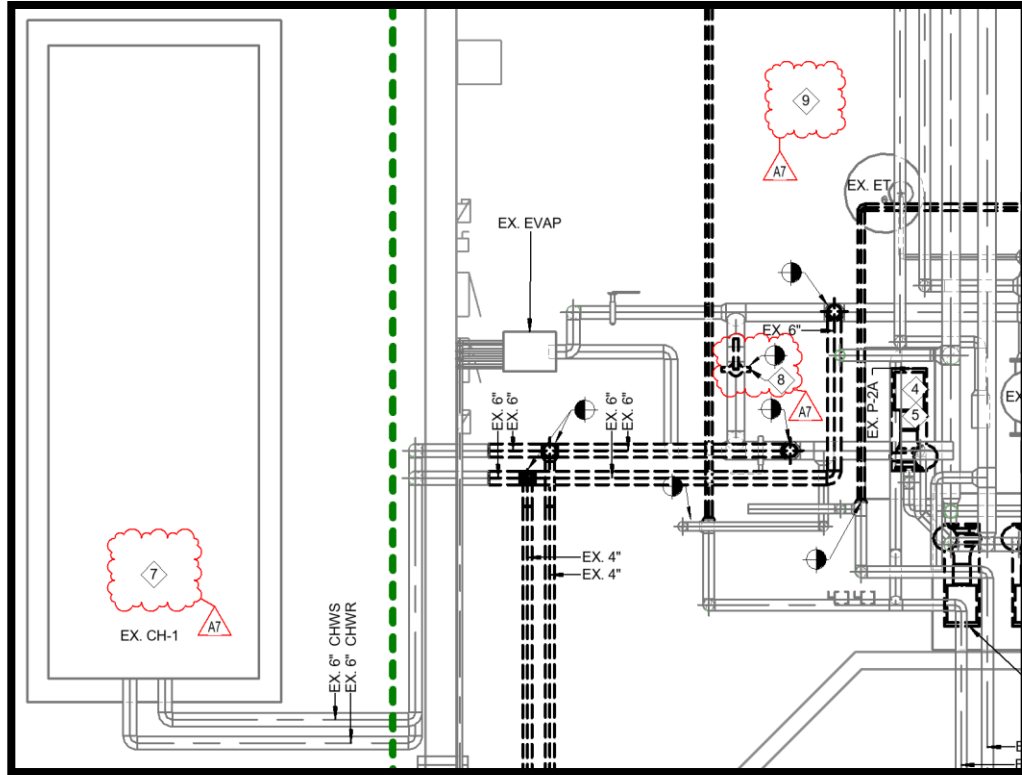
1. **MODIFY** Drawing as follows to field verify existing diffusers and remove/protect/replace to accommodate architectural ceiling replacement:



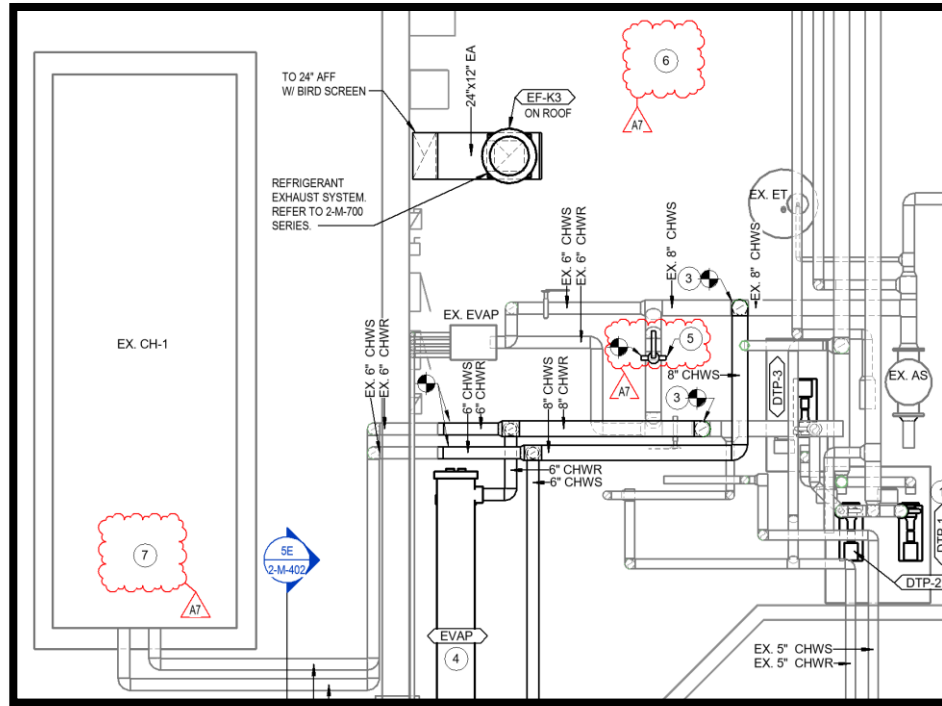


F. **Drawing Numbers 2-M-401, 2-M-402, 2-M-501, AND 2-M-502**

1. MODIFY Drawing as follows to add scope associated with replacing control valves V-12 and V-15:

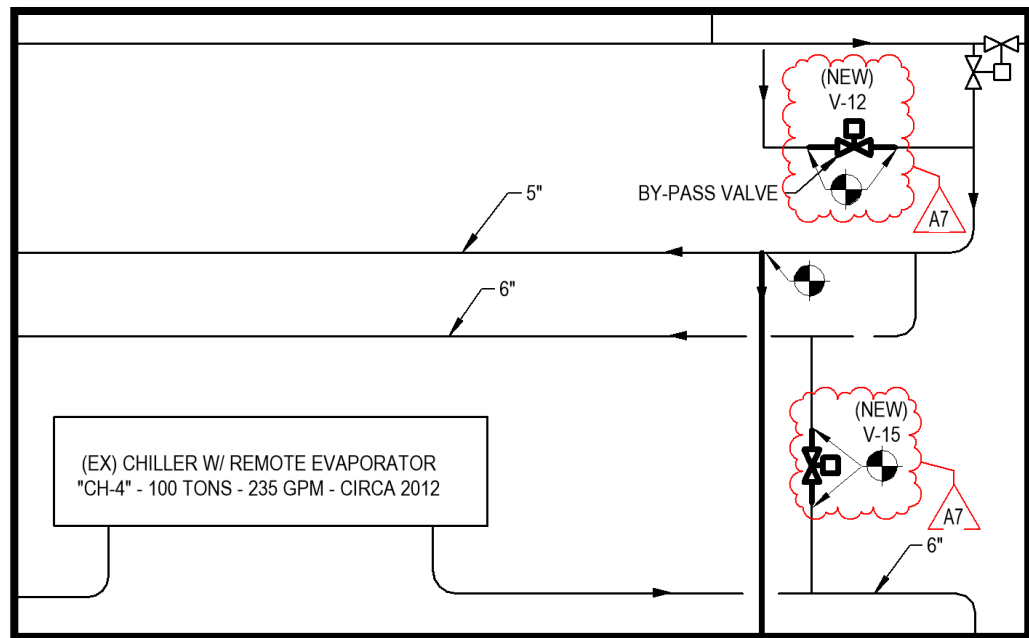
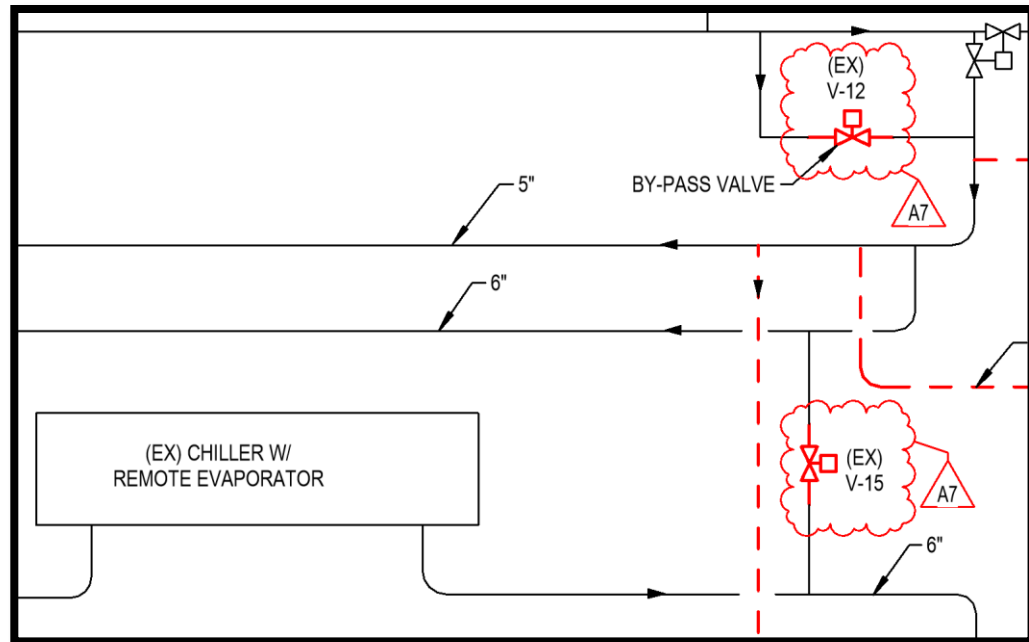


DEMOLITION ENLARGED PLAN	
#	NOTE
1	EXISTING TO REMAIN.
2	REMOVE EXISTING ABANDONED PIPING TO BELOW GRADE AND CAP.
3	REMOVE EXISTING AIR-COOLED CHILLER AND ASSOCIATED CONCRETE PAD, PIPING, SUPPORTS, AND ALL ASSOCIATED WIRING COMPLETELY.
4	REMOVE EXISTING THROTTLING VALVE AT P-2A.
5	REMOVE EXISTING DUAL TEMPERATURE PUMPS BACK TO BUTTERFLY VALVES. VERIFY CONDITION OF VALVES AND IF VALVES ARE OPERATIONAL THEY MAY REMAIN; OTHERWISE REPLACE 1:1.
6	REMOVE EXISTING HEAT RECOVERY CHILLER LOOP COMPLETELY. CAP CONNECTIONS TO CENTRAL PLANT PIPING MAINS.
7	FIELD VERIFY AND REPLACE EXISTING CHILLER FLOW SWITCH. CONSULT MANUFACTURER FOR SUGGESTED FLOW SWITCH DEVICE, INSTALLATION LOCATION, AND WIRING TERMINATIONS.
8	FIELD VERIFY SIZE AND LOCATION OF EXISTING TWO-WAY CONTROL VALVE "V-15". REMOVE VALVE IN PREPARATION FOR NEW VALVE IN SAME LOCATION. REFER TO 2-M-501 DEMOLITION FLOW DIAGRAM.
9	FIELD VERIFY SIZE AND LOCATION OF EXISTING TWO-WAY CONTROL VALVE "V-12". REMOVE VALVE IN PREPARATION FOR NEW VALVE IN SAME LOCATION. REFER TO 2-M-501 DEMOLITION FLOW DIAGRAM.



ENLARGED COMBINED PLAN NOTES	
#	NOTE
1	CONNECT NEW PUMP TO EXISTING PIPING. MODIFY AS NECESSARY TO ACHIEVE NEW PUMP CONNECTIONS. REFER TO DETAIL 4B/2-M-503. TYPICAL OF 3 PUMPS.
2	REFRIGERANT PIPING ROUTED TO MINIMIZE CHANGE IN DIRECTION AND CHANGE IN ELEVATION. ALL REFRIGERANT PIPING SIZED BY CHILLER MANUFACTURER ACCORDING TO FIELD MEASUREMENTS.
3	CONNECT NEW 8" DTS/R PIPING TO EXISTING 8" DTS/R AT TEE FITTING. REPLACE TEE FITTING IF EXISTING CONNECTION IS NOT 8" DIAMETER.
4	CONTRACTOR SHALL CONSTRUCT STEEL SUPPORT TO MAINTAIN EVAPORATOR ELEVATION ABOVE DOORWAY. ALLOW FULL WIDTH OF DOORWAY FREE AREA BELOW STRUCTURE.
5	FIELD VERIFY SIZE AND LOCATION AND INSTALL NEW TWO-WAY CONTROL VALVE "V-15" IN EXISTING PIPING. REFER TO 2-M-502 FLOW DIAGRAM.
6	FIELD VERIFY SIZE AND LOCATION AND INSTALL NEW TWO-WAY CONTROL VALVE "V-12" IN EXISTING PIPING. REFER TO 2-M-502 FLOW DIAGRAM.
7	FIELD VERIFY AND REPLACE EXISTING CHILLER FLOW SWITCH. CONSULT MANUFACTURER FOR SUGGESTED FLOW SWITCH DEVICE, INSTALLATION LOCATION, AND WIRING TERMINATIONS.





**G. Drawing Number 2-M-401 AND 2-M-402**

1. MODIFY Drawing as follows to add scope associated with replacing chiller flow switch serving existing-to-remain CH-1:  
SEE SNIPS AND PLAN NOTES FROM PREVIOUS ITEM.

**H. Drawing Number 2-M-601**

1. MODIFY Drawing as follows to show corrected chiller capacity:

AIR COOLED CHILLER SCHEDULE - 23 61 26.21													
CAPACITY		PERFORMANCE DATA											
NOMINAL (TONS)	EFFECTIVE (TONS)	EER	DPLV.IP	DES. FLOW (GPM)	MIN. FLOW (GPM)	MAX. FLOW (GPM)	EWT (°F)	LWT (°F)	AMBIENT (°F)	WPD INCL. STR. (FT-WG)	# OF CKT.	FOULING FACTOR	WEIG (LB
300	293.6	9.996	19.26	586	220	875	56	44	95	14.7	2	0.0001	1.70
<div><div>A7</div><div>A7</div><div>A7</div></div>													

- I. Drawing Number 1-M-701
1. MODIFY Drawing Detail 1A as follows:

SCHEMATIC NOTES

1 VARIABLE FREQUENCY DRIVE PROVIDED BY TCC FOR EACH MOTOR TO ELECTRICAL CONTRACTOR FOR INSTALLATION AND POWER. SEE MECHANICAL DRAWINGS FOR UNIT OR WALL MOUNTED LOCATIONS. TCC RESPONSIBLE FOR AUX CONTACT SAFETY WIRING FROM DISCONNECT.

2 TCC SHALL PROVIDE AND INSTALL STATIC PRESSURE SENSOR IN 2/3 DUCT LOCATION IN NEW SUPPLY DUCTWORK.

3 SPRING RETURN NORMALLY CLOSED CONTROL DAMPER ACTUATOR PROVIDED BY TCC TO SHEET METAL CONTRACTOR FOR INSTALLATION. TCC TO PROVIDE AND INSTALL CONTROL AND POWER WIRING. SEE MECHANICAL SCHEDULE FOR MINIMUM OUTSIDE AIR REQUIREMENTS. CONTROL DAMPER BY AHU MANUFACTURER.

4 AHU MANUFACTURER SHALL PROVIDE 24VAC AIRFLOW MEASURING STATION INTEGRAL TO CONTROL DAMPER. CONTRACTOR SHALL INSTALL AS COORDINATED WITH THE MANUFACTURER REQUIREMENTS.

5 TCC SHALL PROVIDE SPRING RETURN NORMALLY OPEN COMPLETE VALVE ASSEMBLIES WITH FACTORY MOUNTED ACTUATORS TO MECHANICAL CONTRACTOR FOR INSTALLATION. SEE MECHANICAL SCHEDULE FOR TWO OR THREE WAY REQUIREMENTS. TCC TO PROVIDE AND INSTALL CONTROL AND POWER WIRING.

6 TCC SHALL PROVIDE AND WIRE INTERLOCK TO ASSOCIATED VARIABLE FREQUENCY DRIVE TO EMERGENCY STOP OPERATION IF ANY SAFETY CIRCUIT IS ACTIVATED. DUCT SMOKE DETECTOR BY DIVISION 28. ALL OTHER SAFETY DEVICES BY TCC.

7 TCC SHALL CONTROL AND MONITOR PUMP STATUS. SEE MECHANICAL PIPING FOR VALVE CONFIGURATION AND INSTALLATION DETAILS.

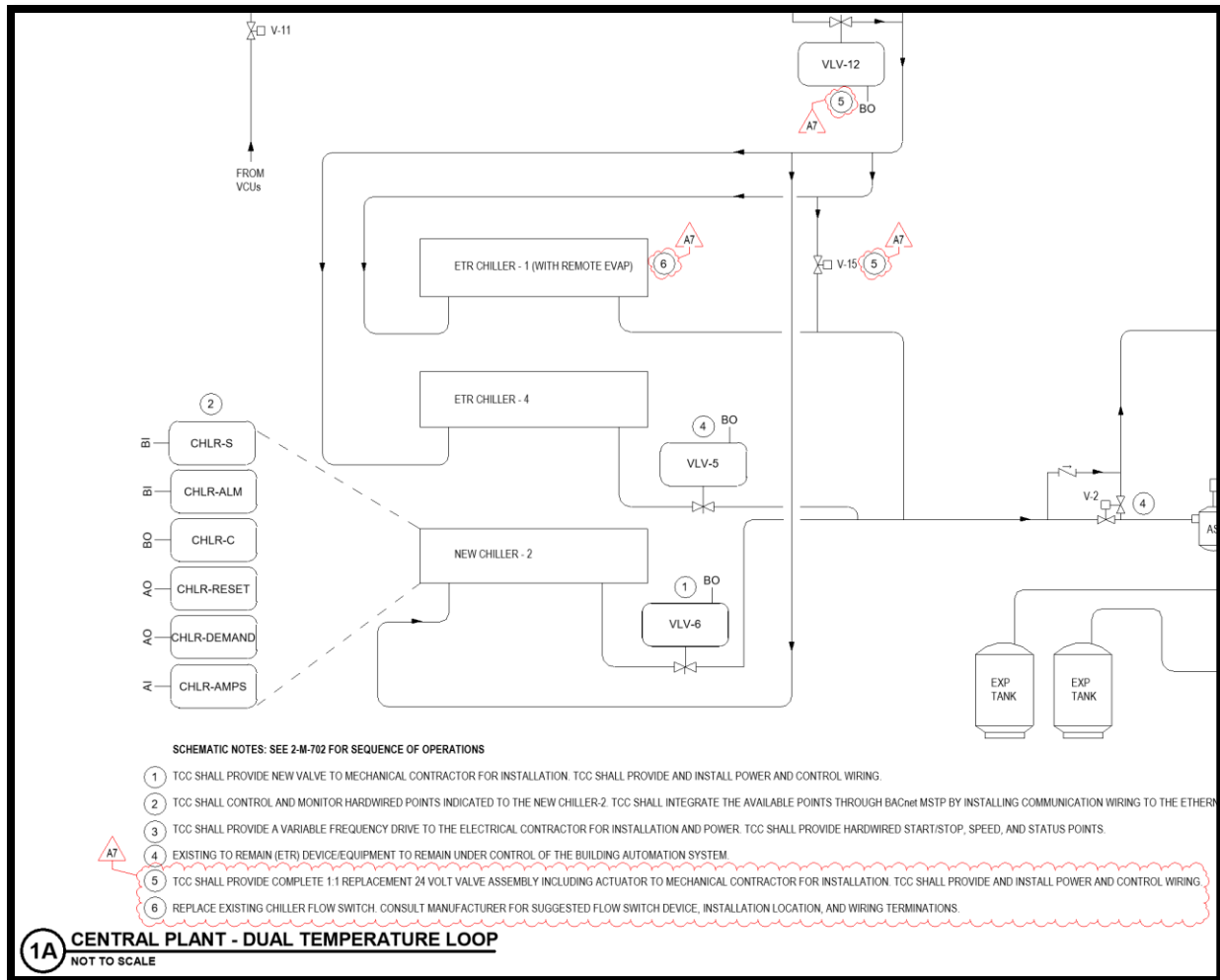
8 TCC SHALL PROVIDE A NEW SR-NC ACTUATOR FOR THE EXISTING RELIEF DAMPER. TCC SHALL PROVIDE AND INSTALL A NEW BUILDING STATIC PRESSURE SENSOR TO CONTROL FROM. TCC SHALL PROVIDE OUTDOOR DWYER A-306 AND INDOOR RPS STATIC TIPS.

9 TCC SHALL PROVIDE AND INSTALL SPRING RETURN NORMALLY OPEN RETURN AIR DAMPER ACTUATOR. TCC RESPONSIBLE FOR ALL POWER AND CONTROL WIRING. CONTROL DAMPER BY AHU MANUFACTURER.

1A AIR HANDLING UNIT AHU-ES1

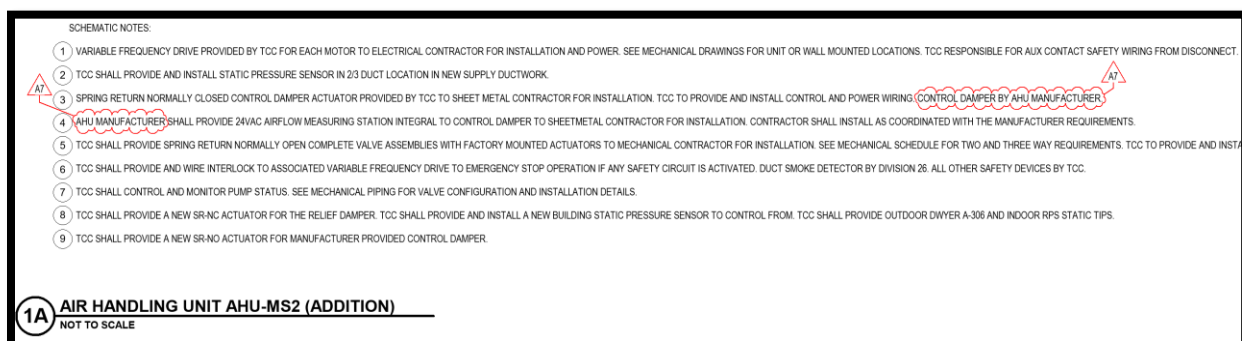
NOT TO SCALE

- J. Drawing Number 2-M-701
1. MODIFY Drawing Detail 1A as follows:



**K. Drawing Number 2-M-703**

**1. MODIFY Drawing Detail 1A as follows:**



**L. Drawing Number 2-M-703**

**1. MODIFY Drawing Detail 1C as follows:**

SCHEMATIC NOTES:

- 1 VARIABLE FREQUENCY DRIVE PROVIDED BY TCC FOR EACH MOTOR TO ELECTRICAL CONTRACTOR FOR INSTALLATION AND POWER. SEE MECHANICAL DRAWINGS FOR UNIT OR WALL MOUNTED LOCATIONS. TCC RESPONSIBLE FOR AUX CONTACT SAFETY WIRING FOR
- 2 TCC SHALL PROVIDE AND INSTALL STATIC PRESSURE SENSOR IN 2/3 DUCT LOCATION IN NEW SUPPLY DUCTWORK.
- 3 SPRING RETURN NORMALLY CLOSED CONTROL DAMPER ACTUATOR PROVIDED BY TCC TO SHEET METAL CONTRACTOR FOR INSTALLATION. TCC TO PROVIDE AND INSTALL CONTROL AND POWER WIRING. CONTROL DAMPER BY AHU MANUFACTURER.
- 4 AHU MANUFACTURER SHALL PROVIDE 24VAC AIRFLOW MEASURING STATION INTEGRAL TO CONTROL DAMPER TO SHEET METAL CONTRACTOR FOR INSTALLATION. CONTRACTOR SHALL INSTALL AS COORDINATED WITH THE MANUFACTURER REQUIREMENTS.
- 5 TCC SHALL PROVIDE SPRING RETURN NORMALLY OPEN COMPLETE VALVE ASSEMBLIES WITH FACTORY MOUNTED ACTUATORS TO MECHANICAL CONTRACTOR FOR INSTALLATION. SEE MECHANICAL SCHEDULE FOR TWO AND THREE WAY REQUIREMENTS. TCC TO
- 6 TCC SHALL PROVIDE AND WIRE INTERLOCK TO ASSOCIATED VARIABLE FREQUENCY DRIVE TO EMERGENCY STOP OPERATION IF ANY SAFETY CIRCUIT IS ACTIVATED. DUCT SMOKE DETECTOR BY DIVISION 26. ALL OTHER SAFETY DEVICES BY TCC.
- 7 TCC SHALL CONTROL AND MONITOR PUMP STATUS. SEE MECHANICAL PIPING FOR VALVE CONFIGURATION AND INSTALLATION DETAILS.
- 8 TCC SHALL PROVIDE A NEW SR-NC ACTUATOR FOR THE EXISTING RELIEF DAMPER. TCC SHALL PROVIDE AND INSTALL A NEW BUILDING STATIC PRESSURE SENSOR TO CONTROL FROM. TCC SHALL PROVIDE OUTDOOR DWYER A-306 AND INDOOR RPS STATIC TIPS.
- 9 TCC SHALL PROVIDE A NEW SR-NO ACTUATOR FOR MANUFACTURER PROVIDED CONTROL DAMPER.

**1C AIR HANDLING UNIT AHU-HS1 (ADMIN)**  
NOT TO SCALE

**M. Drawing Number 2-M-704**

1. MODIFY Drawing Detail 1A as follows:

SCHEMATIC NOTES:

- 1 MANUFACTURER PROVIDED ECM CONTROL FOR EACH MOTOR. TCC SHALL CONCURRENTLY CON
- 2 CONTROL DAMPER ASSEMBLY INCLUDING SPRING RETURN ACTUATOR WITH INTEGRAL AIRFLOW
- 3 CONTROL DAMPER ASSEMBLY INCLUDING SPRING RETURN ACTUATOR PROVIDED BY TCC TO SH
- 4 TCC SHALL PROVIDE 24VAC AIRFLOW MEASURING STATION INTEGRAL OR SEPARATE TO CONTR
- 5 TCC SHALL PROVIDE COMPLETE SPRING RETURN VALVE ASSEMBLIES WITH FACTORY MOUNTED
- 6 TCC SHALL PROVIDE AND WIRE INTERLOCK TO ASSOCIATED VARIABLE FREQUENCY DRIVE TO E
- 7 TCC SHALL CONTROL AND MONITOR PUMP STATUS. SEE MECHANICAL PIPING FOR VALVE CONF
- 8 TCC SHALL PROVIDE AND INSTALL NEW CONTROL DEVICE.

**1A AIR HANDLING UNIT AHU-MS1 (EXISTING)**  
NOT TO SCALE

OUTSIDE AIR DAMPER (OA-DPR)
RETURN AIR DAMPER (RA-DPR)
SUPPLY FAN SPEED (SF-O) QTY4
LOW TEMPERATURE LIMIT (LT-ALM)
SMOKE DETECTORS (RA-SD, DA-SD)
STATIC PRESSURE LIMIT SWITCH (DA-HL)
SUPPLY FAN STATUS (SF-S) QTY4
PUMP STATUS (P1-S)
SUPPLY FAN START/STOP (SF-C) QTY4
PUMP START/STOP (P1-C)

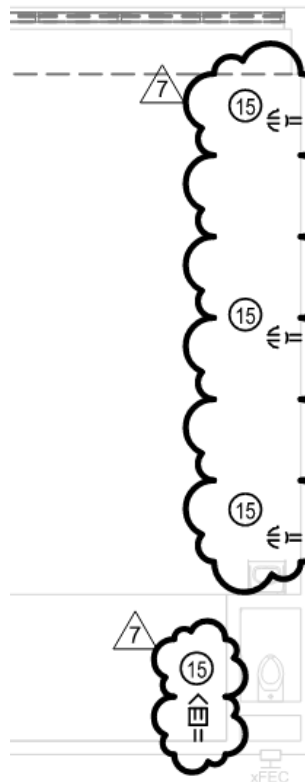
## 5.12 E-SERIES DRAWINGS

### 1. SHEET 1-E-101 – 1 - ELECTRICAL SITE PLAN (see attached sheet)

- a. Removed plan note #3.
- b. Removed light fixture to be relocated near Elementary School, doesn't exist.
- c. Added three light fixtures to be relocated.

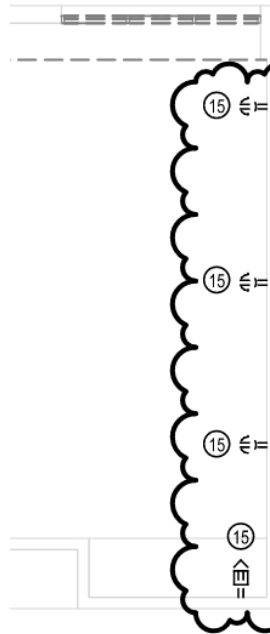
### 2. SHEET 1-ED1A1 – 1 – ELECTRICAL DEMOLITION PLAN – UNIT A

- a. Added more receptacles to be demolished in each classroom. See snip-it, typical of (6).
- b. Revised plan note #15 to say "Existing receptacle and wiremold to be removed. Existing circuit to remain above the ceiling for extension to new devices. Refer to new work on power and systems plans for additional information."



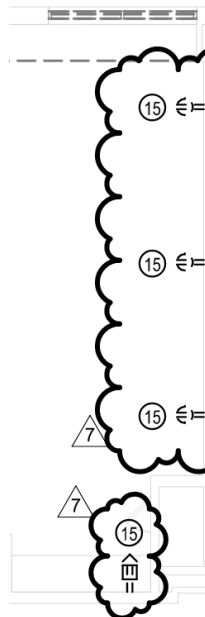
### 3. SHEET 1-ED1B1 – 1 – ELECTRICAL DEMOLITION PLAN – UNIT B

- a. Added more receptacles to be demolished in each classroom. See snip-it, typical of (9).
- b. Revised plan note #15 to say "Existing receptacle and wiremold to be removed. Existing circuit to remain above the ceiling for extension to new devices. Refer to new work on power and systems plans for additional information."



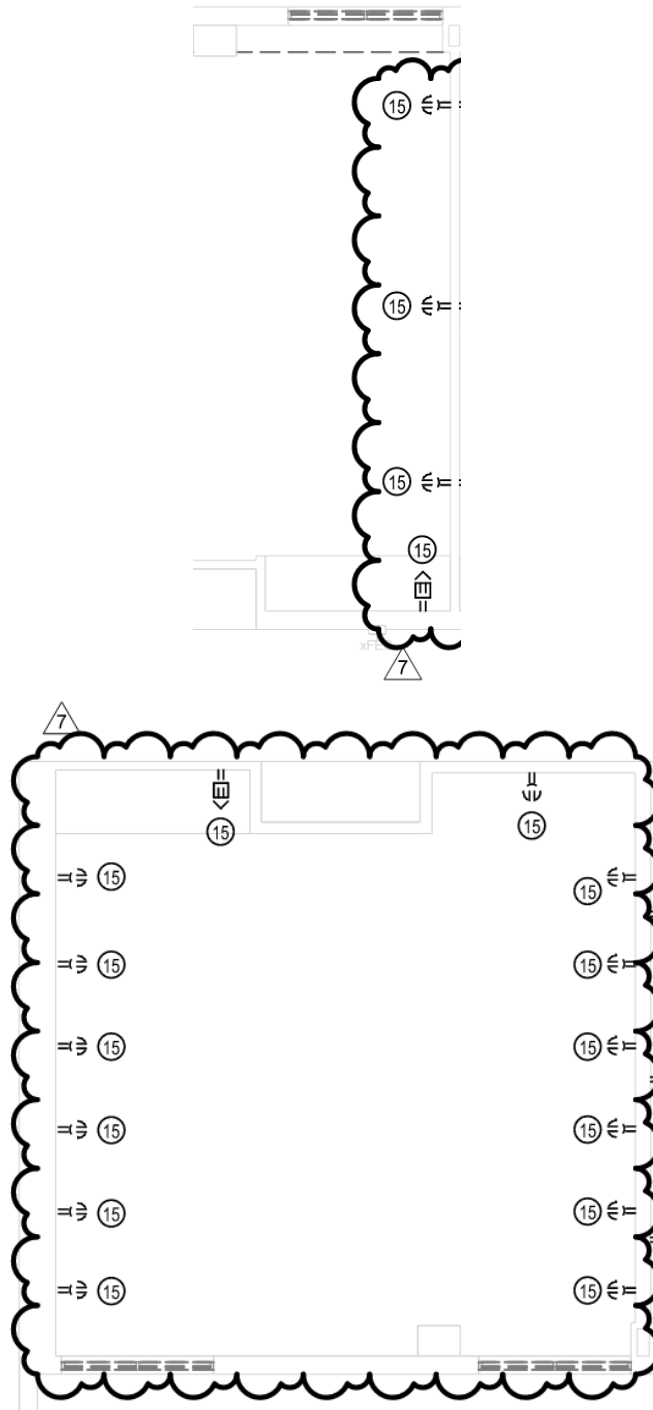
4. SHEET 1-ED1C1 – 1 – ELECTRICAL DEMOLITION PLAN – UNIT C

- a. Added more receptacles to be demolished in each classroom. See snip-it, typical of (6).
- b. Revised plan note #15 to say “Existing receptacle and wiremold to be removed. Existing circuit to remain above the ceiling for extension to new devices. Refer to new work on power and systems plans for additional information.”



5. SHEET 1-ED1D1 – 1 – ELECTRICAL DEMOLITION PLAN – UNIT D (see attached sheet)

- a. Added more receptacles to be demolished in each classroom. See two snip-its; first is typical of (8).  
Second snip-it is typical of (1).
- b. Revised plan note #15 to say "Existing receptacle and wiremold to be removed. Existing circuit to remain above the ceiling for extension to new devices. Refer to new work on power and systems plans for additional information."



**6. SHEET 1-EP1A1 – 1 – ELECTRICAL POWER AND SYSTEMS PLAN – UNIT A (see attached sheet)**

- a. Additional new receptacles.
- b. Added new smoke detectors in corridors.
- c. Revised plan note #6.
- d. Added plan note #12.

**7. SHEET 1-EP1B1 – 1 – ELECTRICAL POWER AND SYSTEMS PLAN – UNIT B (see attached sheet)**

- a. Additional new receptacles.
- b. Added new smoke detectors in corridors.
- c. Added new door holds at Vestibule B003.
- d. Revised plan note #6.

**8. SHEET 1-EP1C1 – 1 – ELECTRICAL POWER AND SYSTEMS PLAN – UNIT C (see attached sheet)**

- a. Additional new receptacles.
- b. Added new smoke detectors in corridors.
- c. Revised plan note #6.

**9. SHEET 1-EP1D1 – 1 – ELECTRICAL POWER AND SYSTEMS PLAN – UNIT D (see attached sheet)**

- a. Additional new receptacles.
- b. Added new smoke detectors in corridors.
- c. Revised plan note #6.

**10. SHEET 1-E-601 – 1 - LIGHTING SCHEDULES (see attached sheet)**

- a. Revised light fixture schedule to show all light fixtures at 5000 K.
- b. Additional description and manufacturer information for fixture type 'S1'.

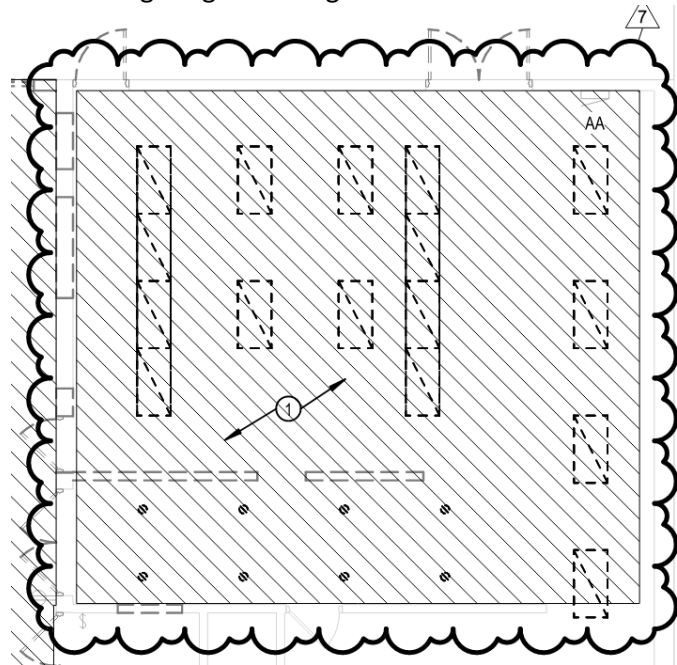
**11. SHEET 2-ED1A1 - 2 – ELECTRICAL FIRST FLOOR DEMOLITION PLAN – UNIT A**

- a. Changed plan note #3 to say “ Existing air compressor to be removed complete”.

**12. SHEET 2-ED1J1 – 2 – ELECTRICAL FIRST FLOOR DEMOLITION PLAN – UNIT J**



- a. Additional demo lighting in Serving Room.



**13. SHEET 2-EL1B1 – 2 – FIRST FLOOR LIGHTING PLAN – UNIT B (see attached sheet)**

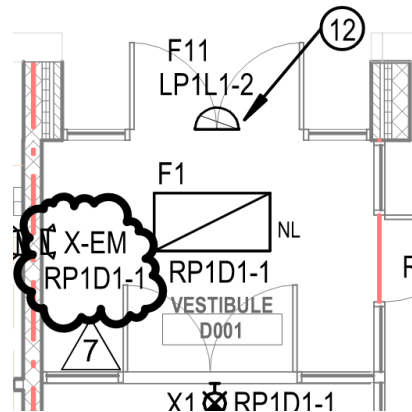
- a. Added (1) 'X-EM' emergency light to room B115.  
b. Added (4) 'X-EM' emergency lights to corridor B004.

**14. SHEET 2-EL1C1 – 2 – FIRST FLOOR LIGHTING PLAN – UNIT C (see attached sheet)**

- a. Added (2) 'X-EM' emergency lights to corridor B004.  
b. Moved (1) 'X-EM' emergency light in corridor B004.

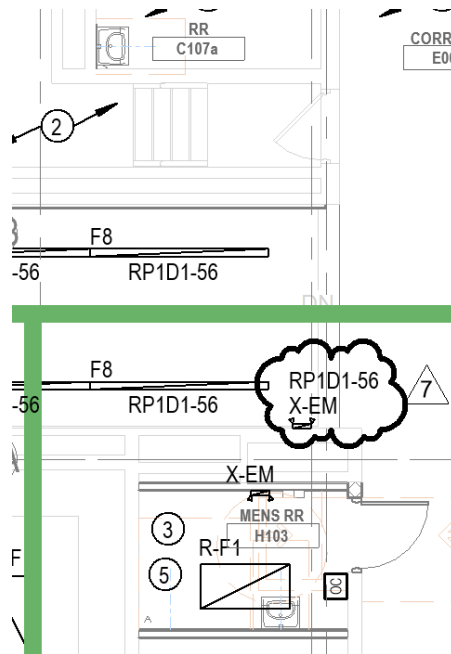
**15. SHEET 2-EL1D1 – 2 – FIRST FLOOR LIGHTING PLAN – UNIT D**

- a. Added (1) 'X-EM' emergency light to Vestibule D001.



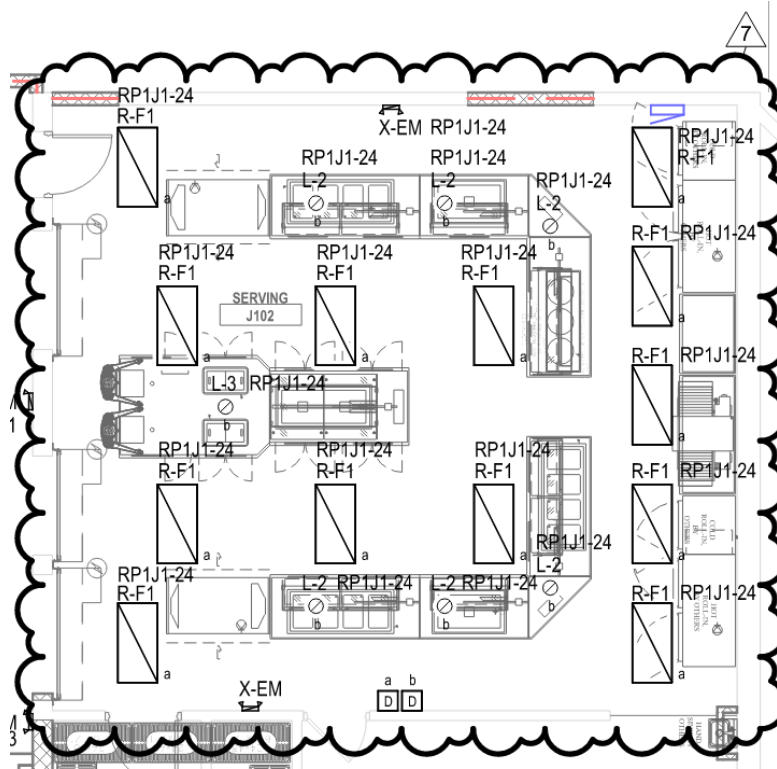
**16. SHEET 2-EL1E1 – 2 – FIRST FLOOR LIGHTING PLAN – UNIT E**

- a. Added (1) 'X-EM' emergency light to corridor B004.



#### 17. SHEET 2-EL1J1 – 2 – FIRST FLOOR LIGHTING PLAN – UNIT J

- a. Revised plan note #13 to say "Wall sconces provided and installed by serving line manufacturer."
- b. New general lighting and emergency lights in Serving Room J102.



**18. SHEET 2-EL1L2– 2 – SECOND FLOOR LIGHTING PLAN – UNIT L (see attached sheet)**

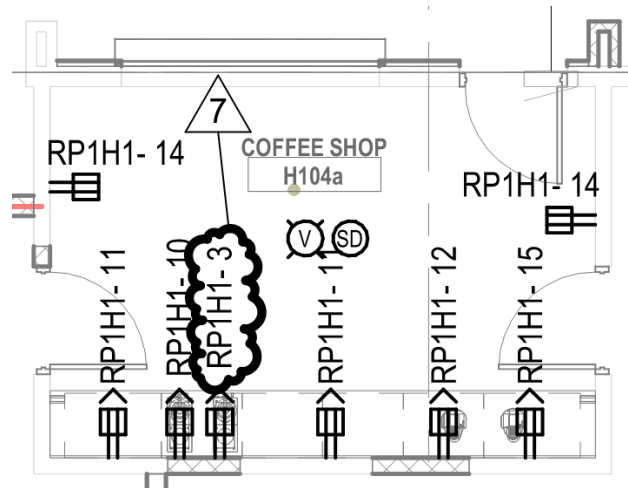
- a. Added annotation tag to (1) 'X-EM' emergency light.
- b. Removed floating emergency lights that were showing up from the first floor.

**19. SHEET 2-EP1F1 – 2 – FIRST FLOOR POWER & SYSTEMS PLAN – UNIT F (see attached sheet)**

- a. Relocated receptacles to walls that are to be furred out.
- b. Added circuit annotation to FCU-F2 in Custodial F141.

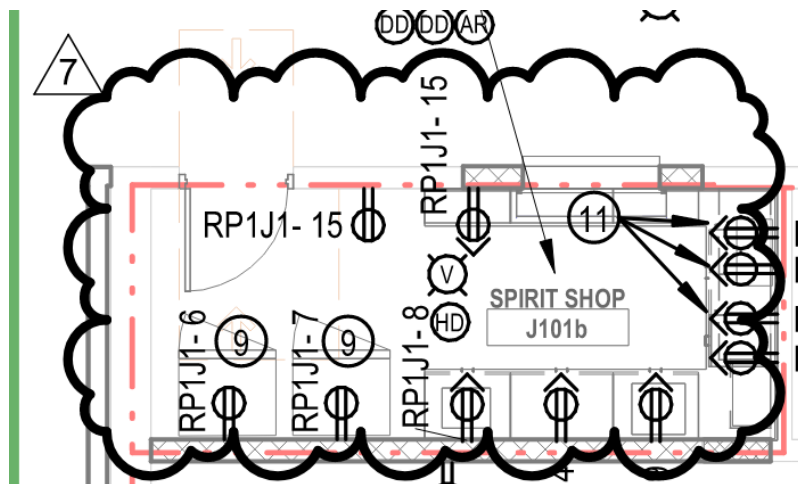
**20. SHEET 2-EP1H1 – 2 – FIRST FLOOR POWER & SYSTEMS PLAN – UNIT H**

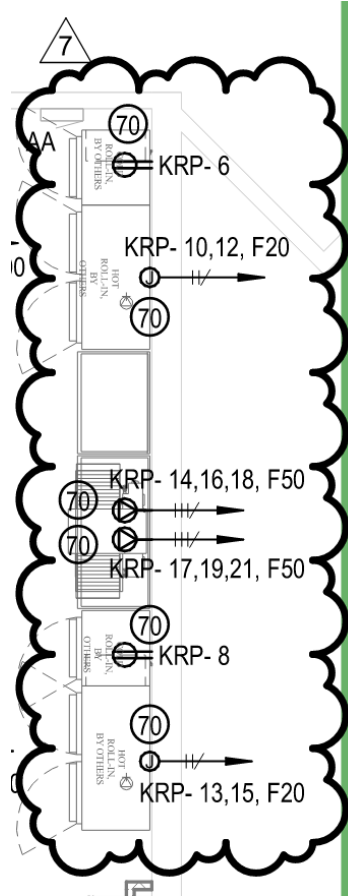
- a. Added circuit annotation to receptacle in Coffee Shop H104a.



21. SHEET 2-EP1J1 – 2 – FIRST FLOOR POWER & SYSTEMS PLAN – UNIT J

- a. Relocated receptacles for refrigerators in room J101b.
- b. Added plan note #70 “Refer to food service drawings for rough-in heights.”





**22. SHEET 2-E-601 – 2 - ELECTRICAL SCHEDULES (see attached sheet)**

- a. Revised light fixture schedule to show all light fixtures at 5000 K.
- b. Additional manufacturer information for fixture type 'L-3'.

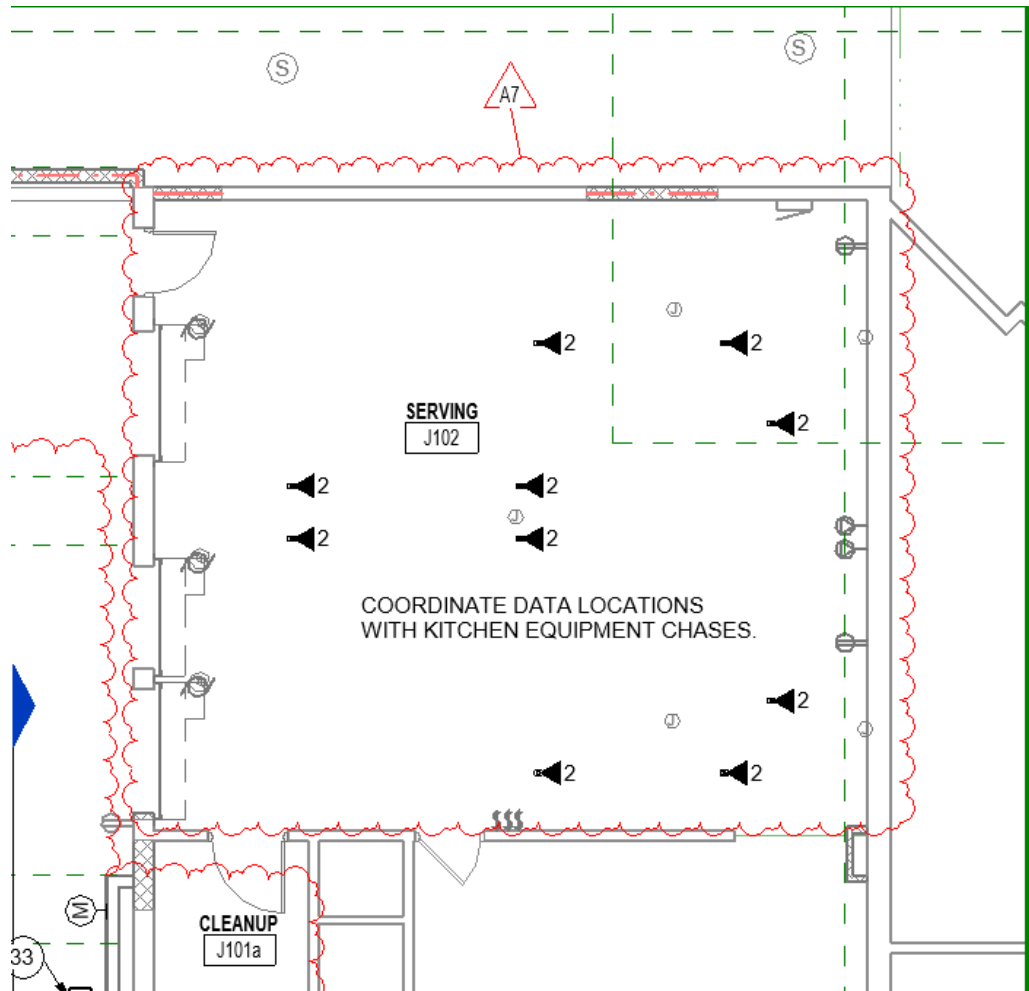
**23. SHEET 3-E-601 – 3 - ELECTRICAL SCHEDULES (see attached sheet)**

- a. Revised light fixture schedule to show all light fixtures at 5000 K.

**5.13 T-SERIES DRAWINGS**

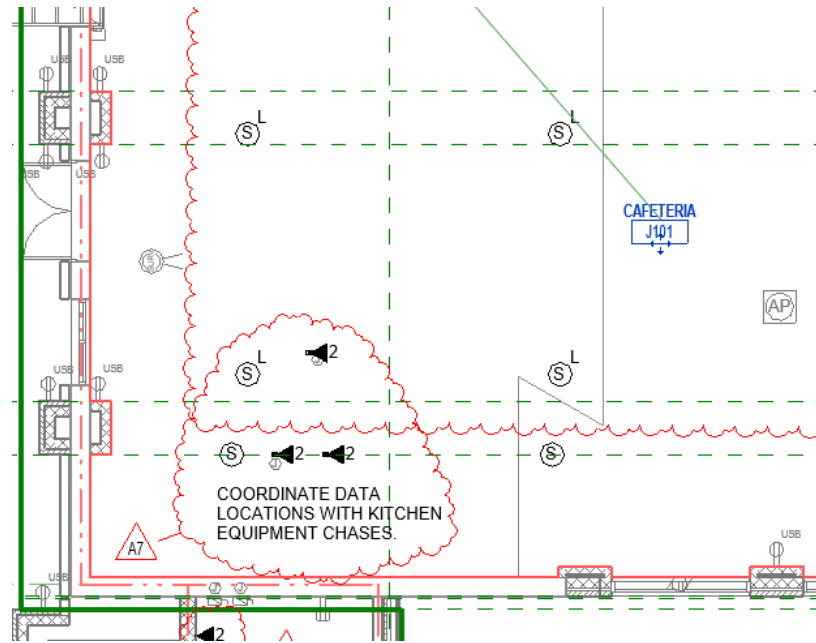
**A. Drawing Number 2-TF1J1**

1. MODIFY Drawing as follows:



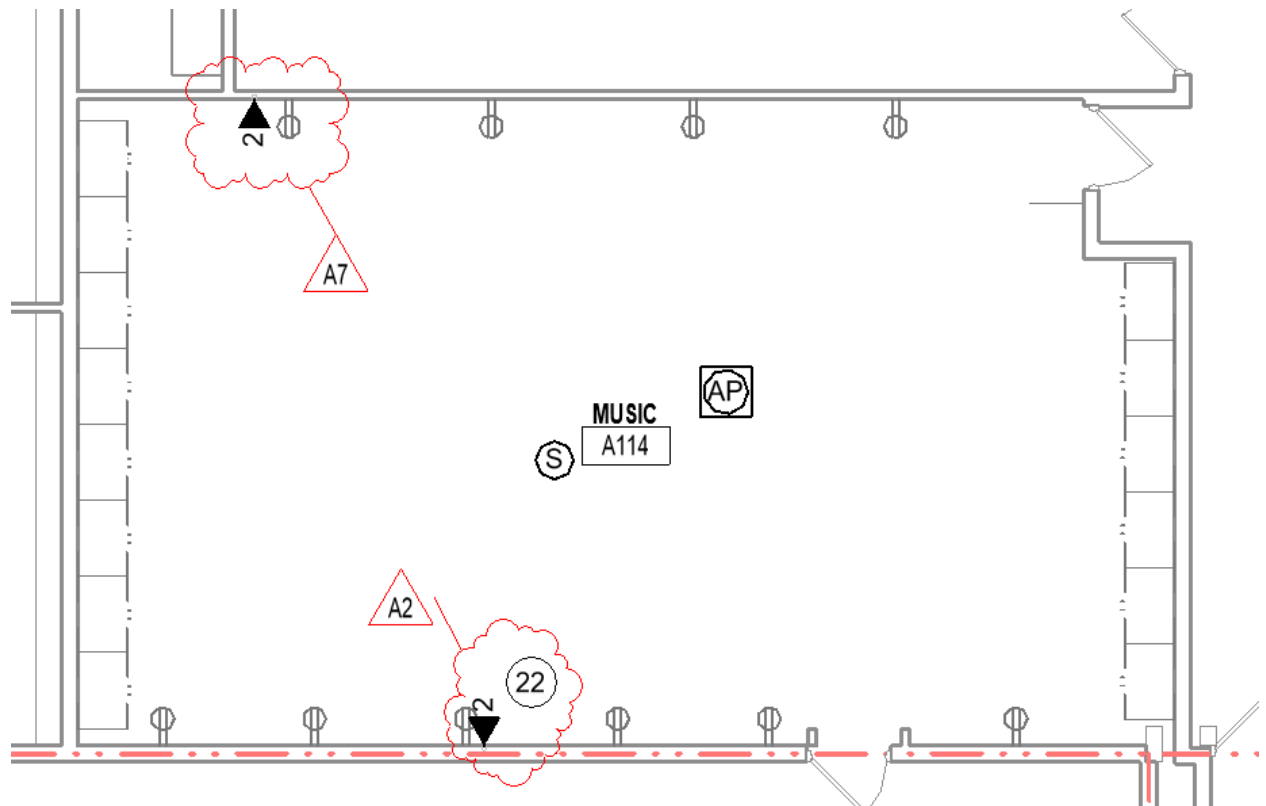
B. **Drawing Number 2-TF1J1**

1. MODIFY Drawing as follows:



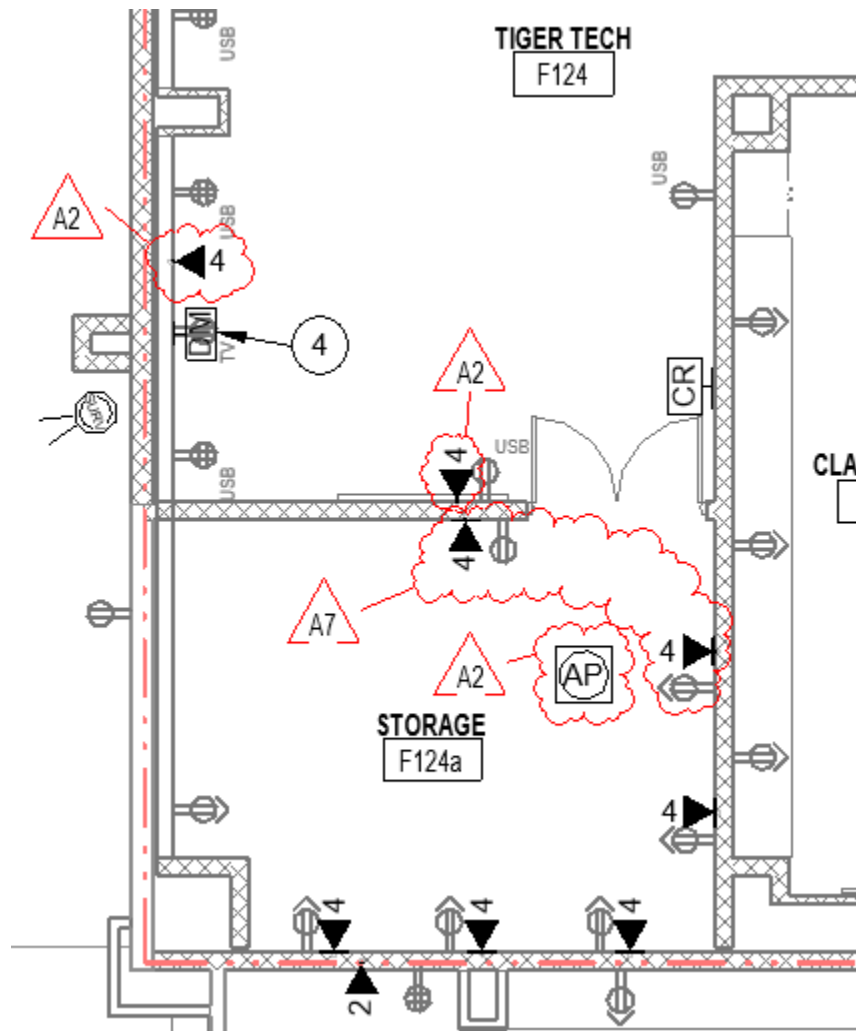
C. Drawing Number 1-TF1A1

1. MODIFY Drawing as follows:



D. **Drawing Number 2-TF1F1**

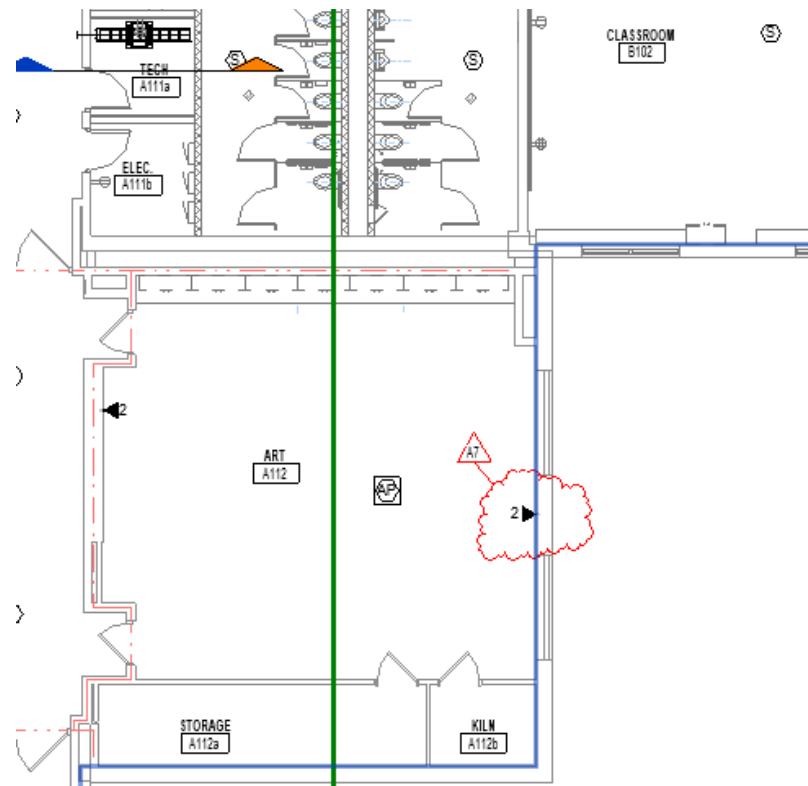
1. MODIFY Drawing as follows:



E. **Drawing Number 1-TF1B1**

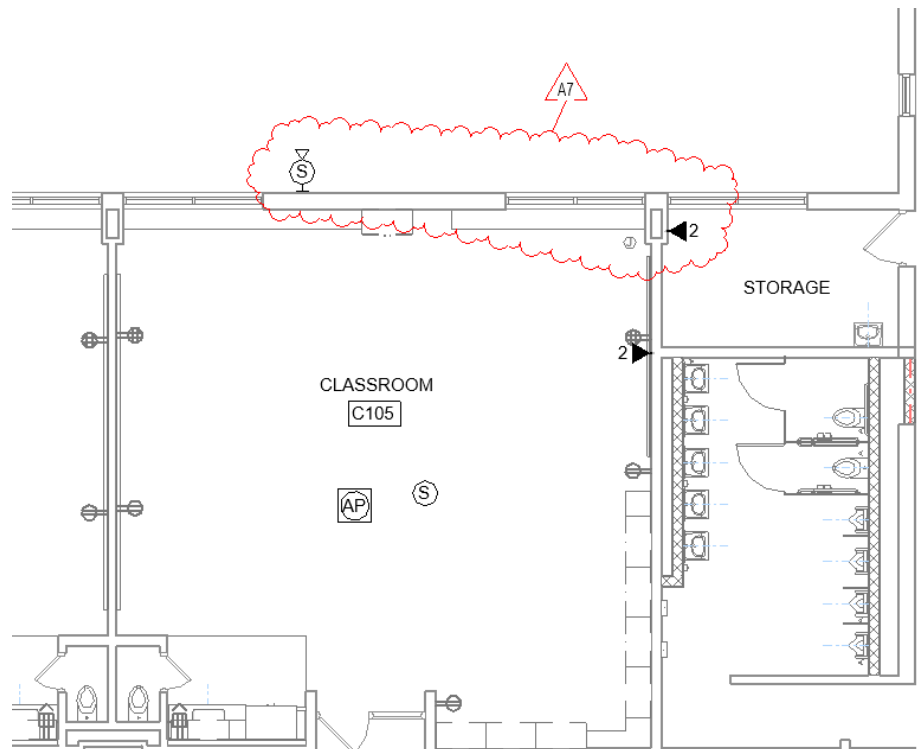
1. MODIFY Drawing as follows:





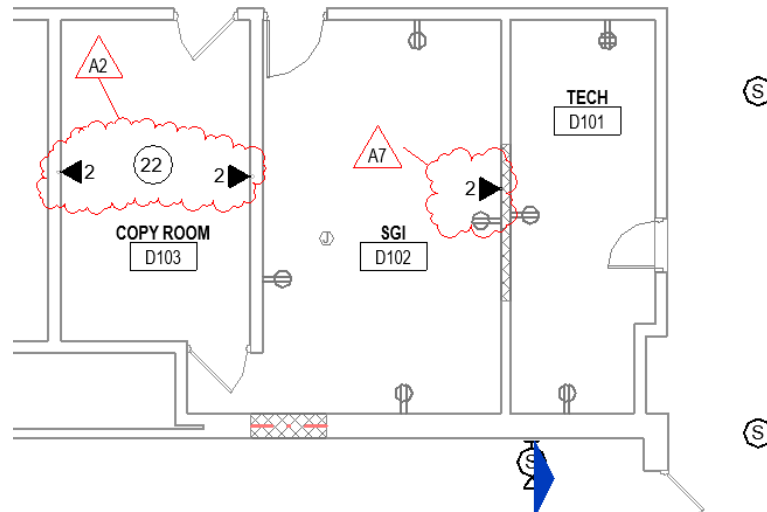
F. Drawing Number 1-TF1C1

1. MODIFY Drawing as follows:



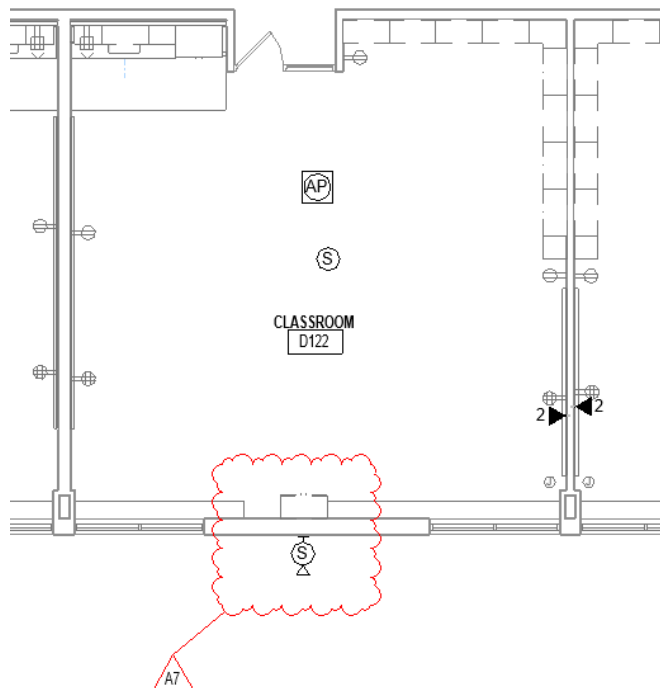
G. **Drawing Number 1-TF1D1**

1. MODIFY Drawing as follows:



H. **Drawing Number 1-TF1D1**

1. MODIFY Drawing as follows

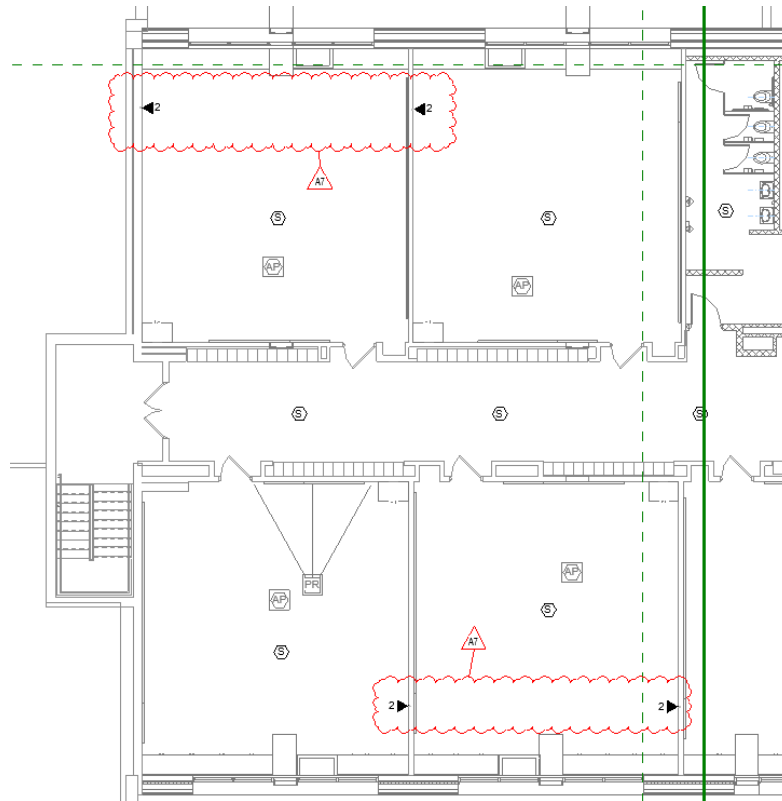


I. **Drawing Number 2-TF1D1**

- [illegible]

## 35

- 36



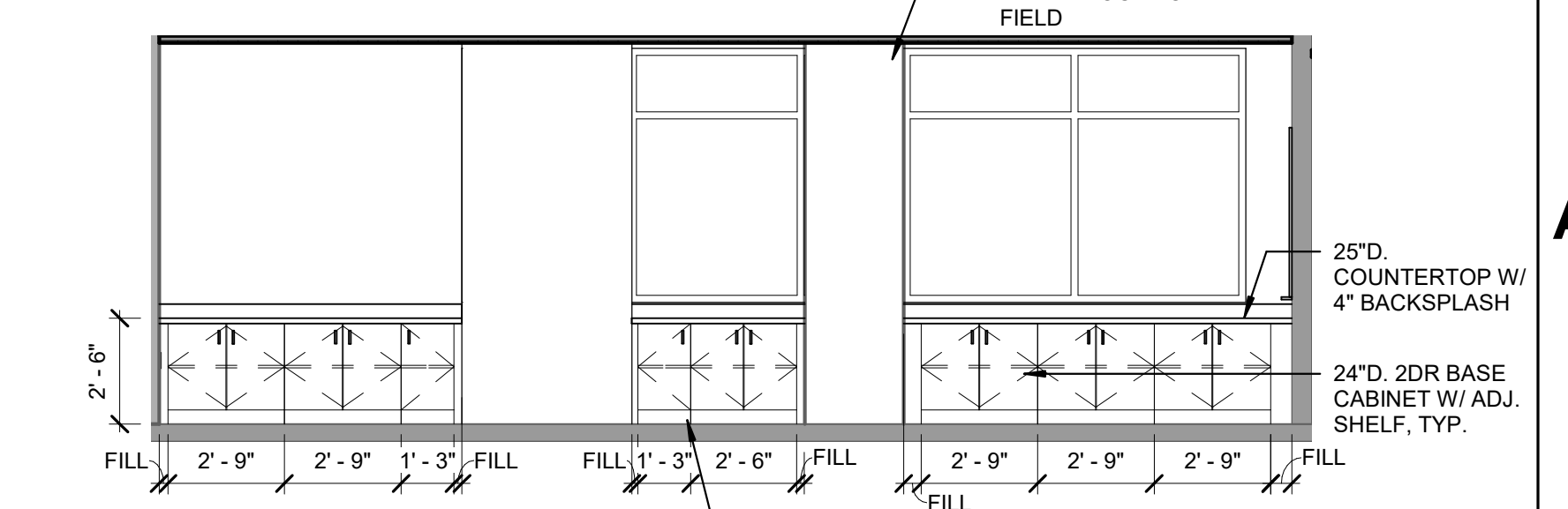
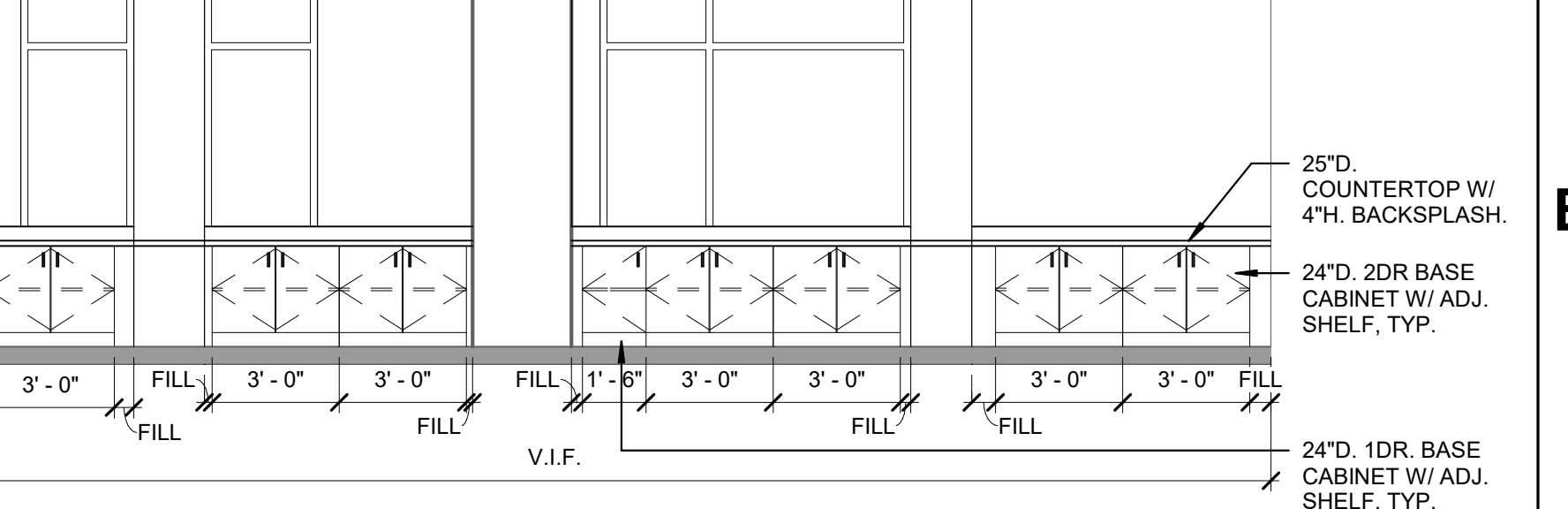
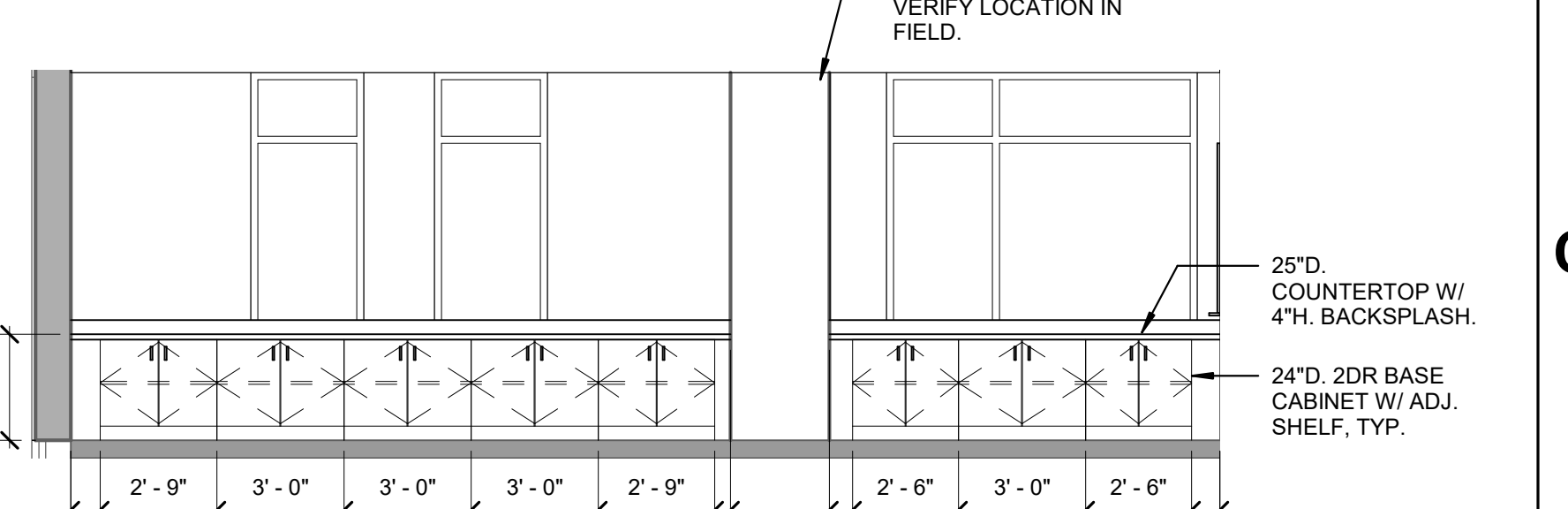
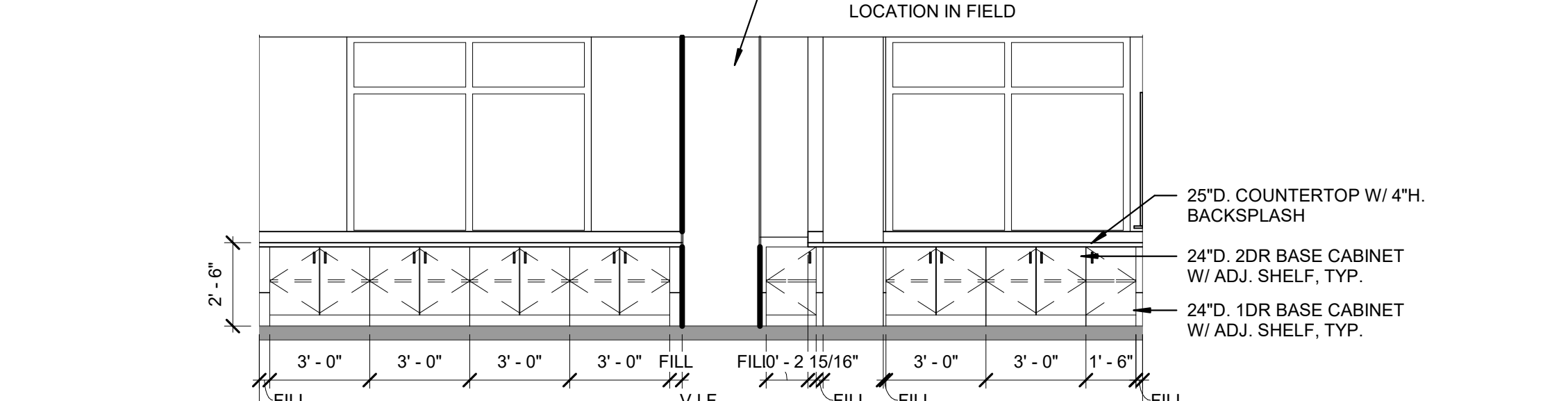
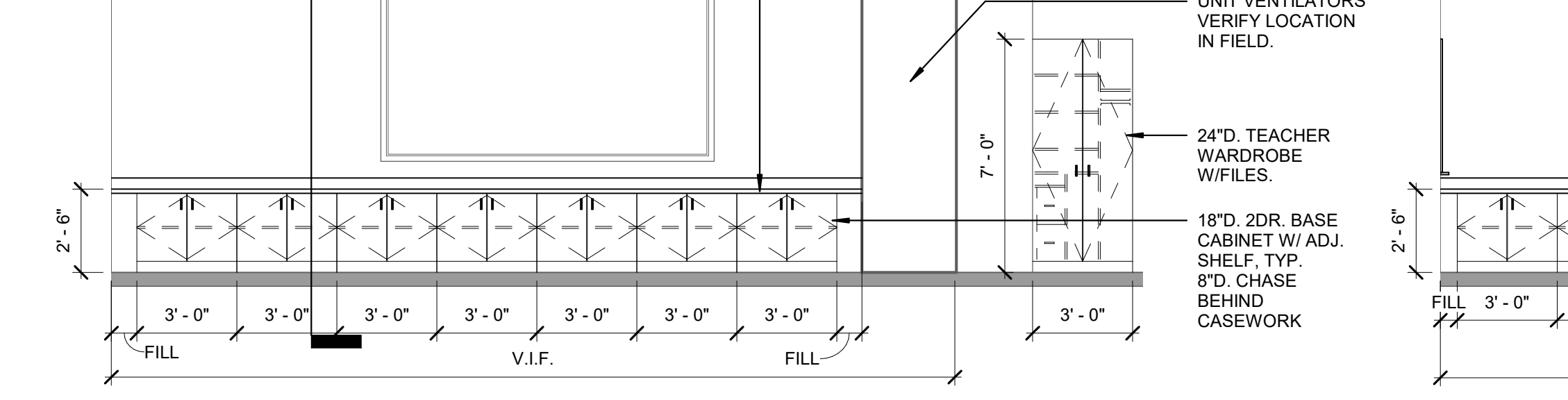
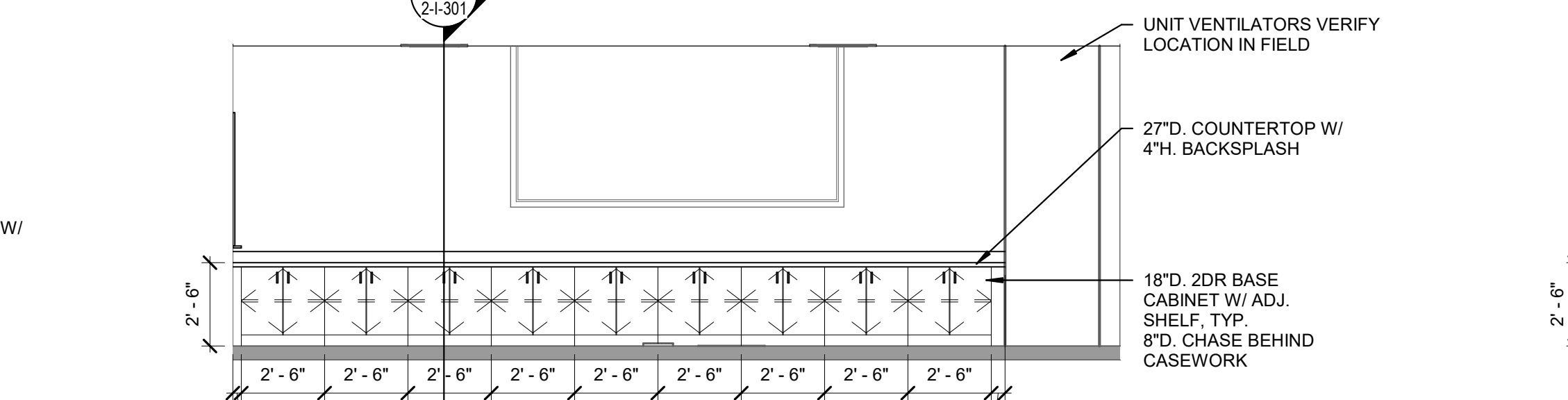
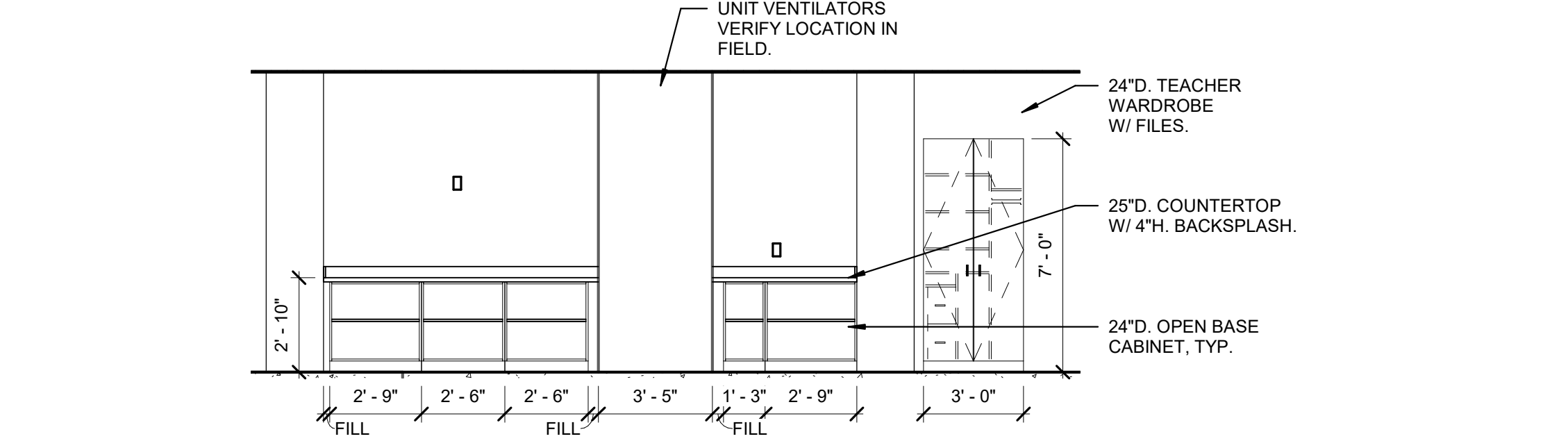
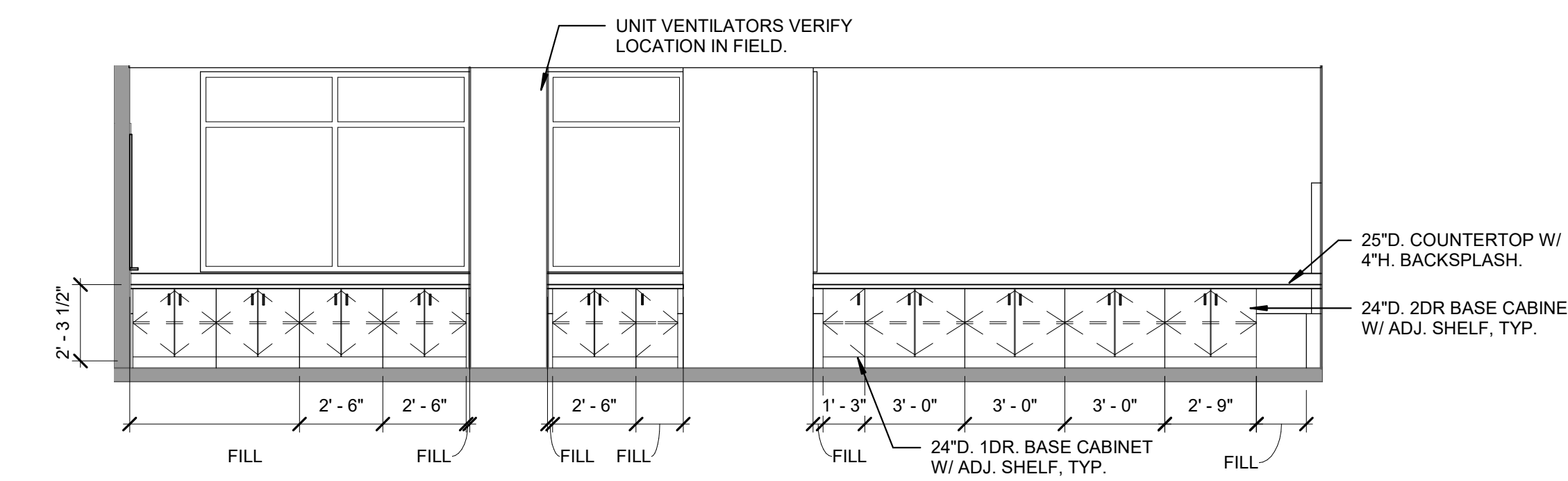
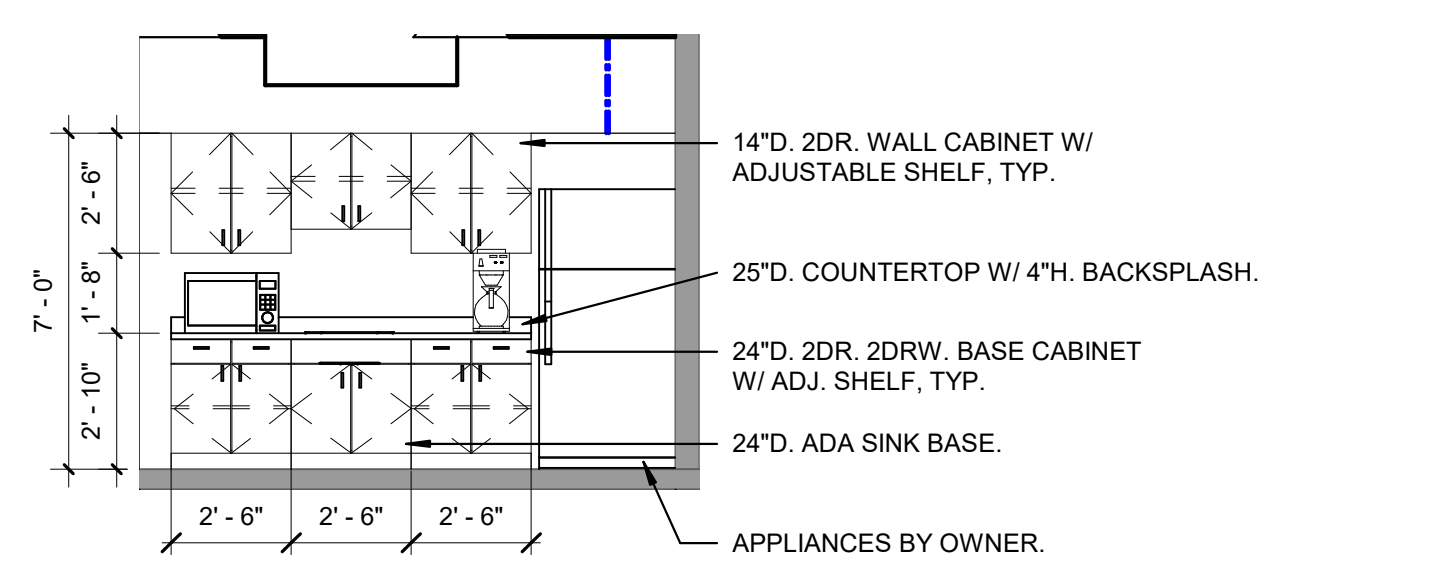
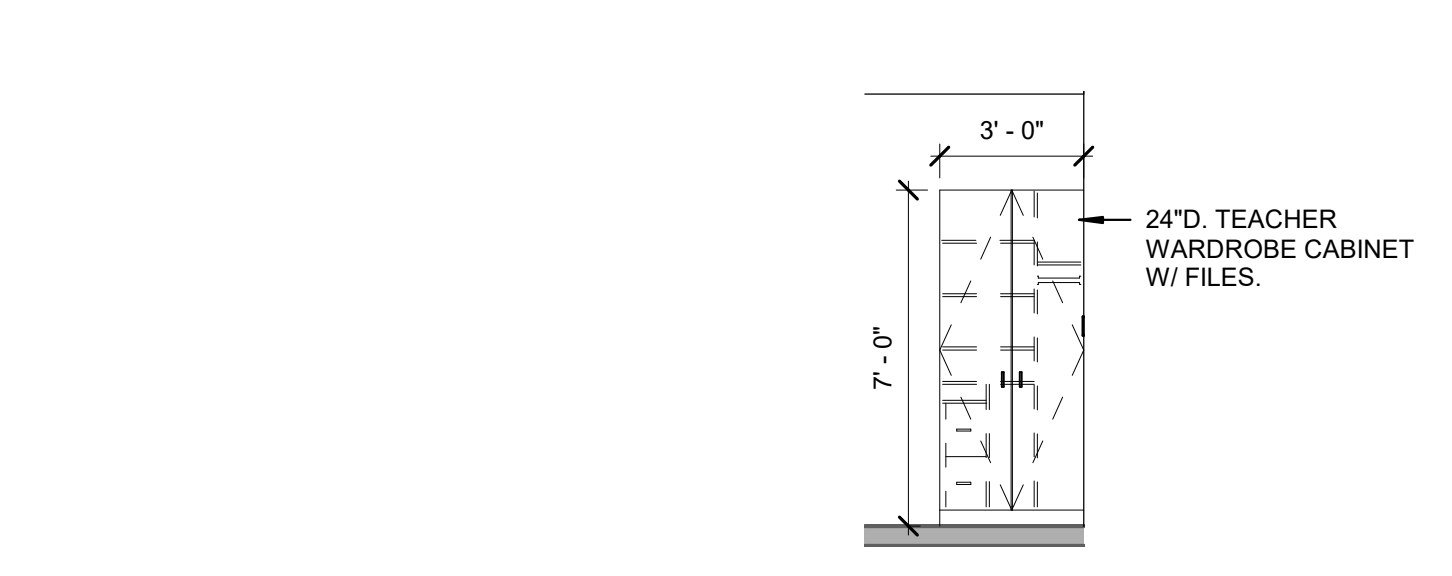
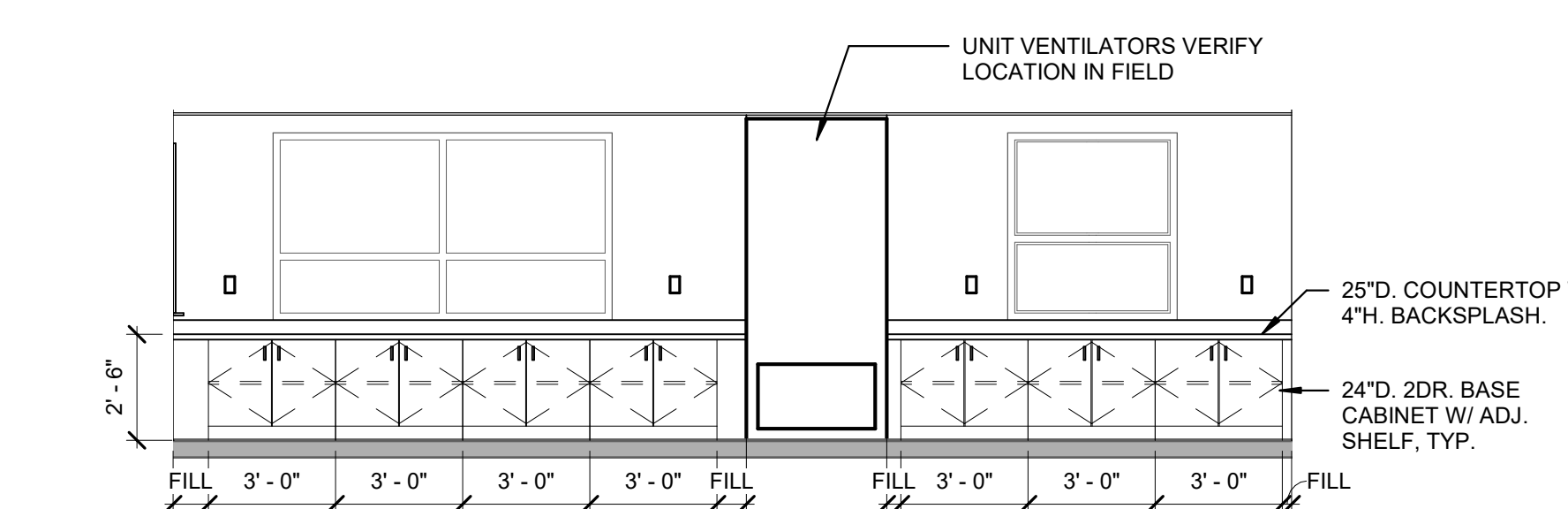
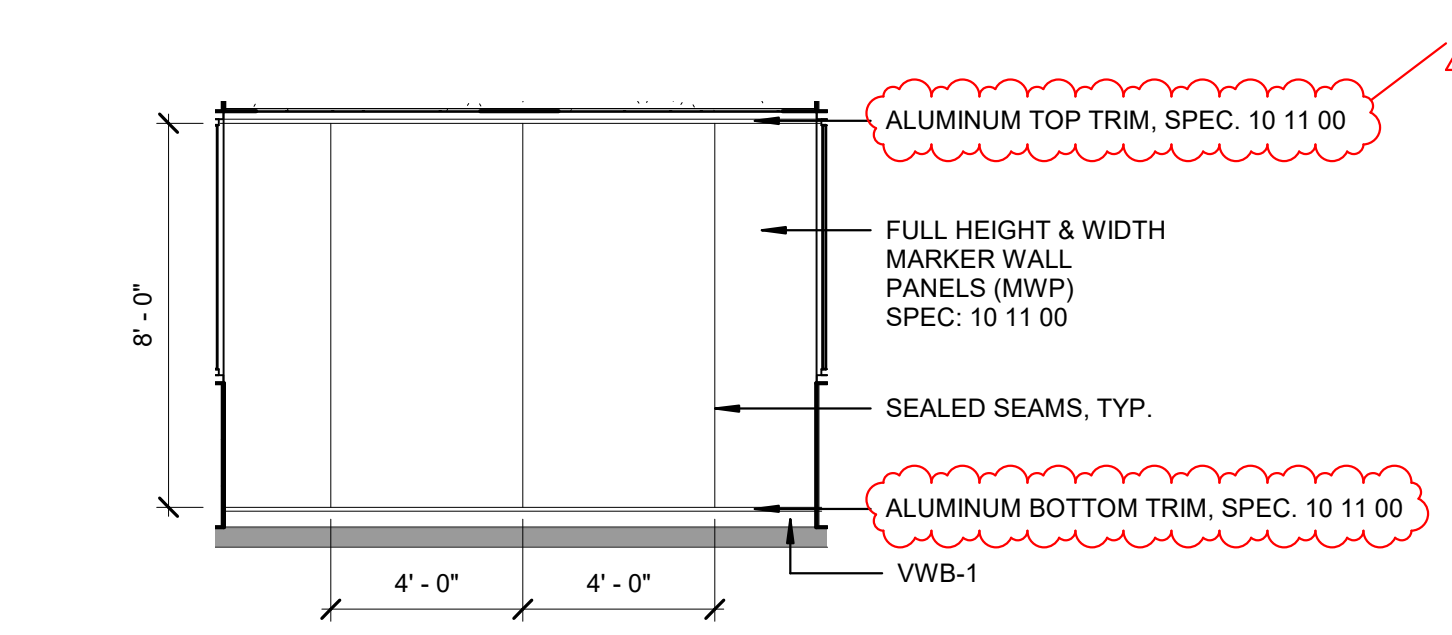
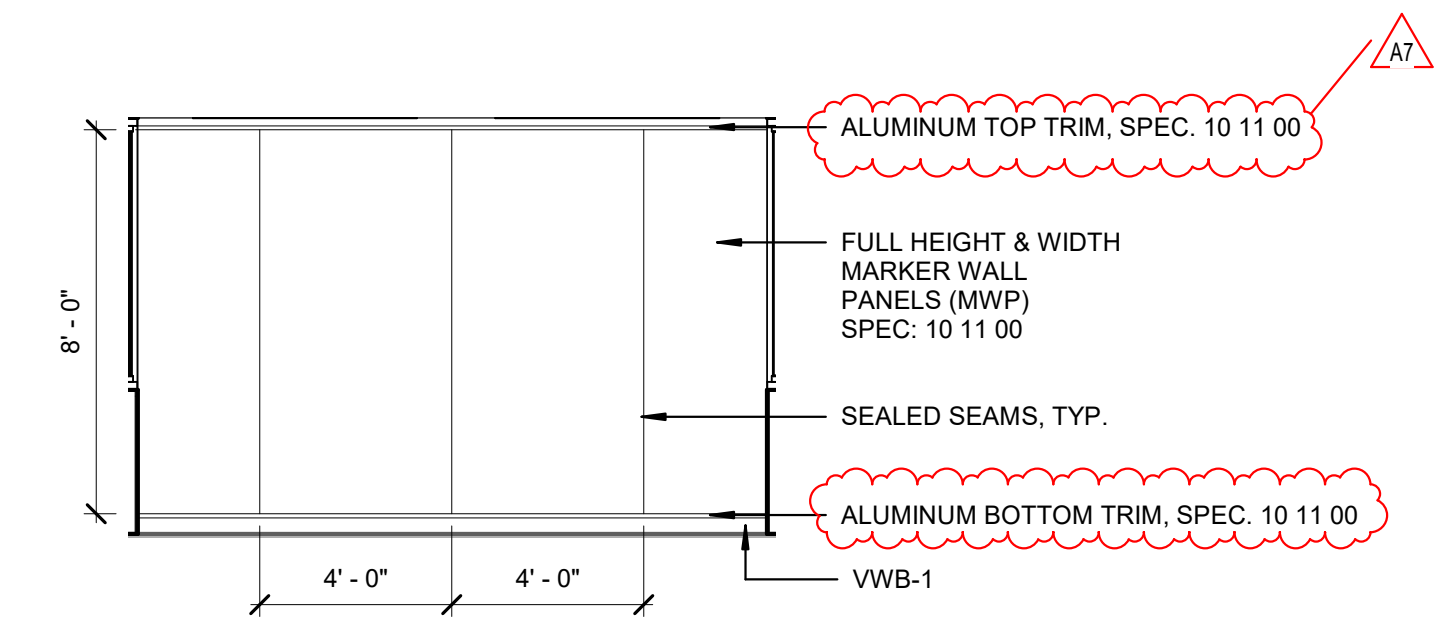
**END OF ADDENDUM 7**

**AVAILABLE PROJECT INFORMATION**

The following information is being made available to Bidders for informational purposes only and is not a part of the Addendum.

- A. See the following question/answers.  
Please confirm per Specification Section 284621-4 Subsection 1.12 states:
  - A. Additional devices: Provide the material and installation including all wiring for the following devices that are not shown on the drawings:
    - 1. Manual Pull Stations: 10
    - 2. Smoke Detectors: 15
    - 3. Duct Mounted Smoke Detectors: 10
    - 4. Visual Devices: 8
    - 5. Horn/Strobes: 10
  - a. The additional device section of the specification is requiring the contractor to include additional devices beyond what is shown on the drawings. This does not represent all the devices that are to be installed. The drawings show the quantity of devices to be installed. The extra quantity of devices listed in the specifications is to be provided with each new control panel being installed. This quantity is to be provided in the HS/MS and the elementary school.

1.2000 NORTHWESTERN HIGH SCHOOL CORPORATION  
2.2000 NORTHWESTERN HIGH SCHOOL CORPORATION  
3.2000 NORTHWESTERN HIGH SCHOOL CORPORATION  
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98.2000 NORTHWESTERN HIGH SCHOOL CORPORATION  
99.2000 NORTHWESTERN HIGH SCHOOL CORPORATION  
100.2000 NORTHWESTERN HIGH SCHOOL CORPORATION



- GENERAL CASEWORK NOTES**
- A. ALL CASEWORK UNIT DESIGNATIONS ON DRAWINGS ARE BASED ON TMI SYSTEMS DESIGN CORPORATION, INC., UNLESS NOTED OTHERWISE.
  - B. ALL CABINETS SHALL RECEIVE A 4" VINYL WALL BASE AT ALL EXPOSED SIDES, UNLESS NOTED OTHERWISE.
  - C. ALL FILLER PANELS SHALL BE FURNISHED AND INSTALLED BY CASEWORK MFR. AS REQUIRED TO PROVIDE CLOSED FINISHED SYSTEM. WHERE CASEWORK IS ADJACENT TO A WALL OR OTHER OBSTRUCTION AND NO FILLER PANEL IS SHOWN ON DRAWINGS, A 2'-3" WIDE FILLER PANEL SHALL BE PROVIDED TO ALLOW FOR FULL DOOR SWING AND DRAWER EXTENSIONS.
  - D. WHERE ELEVATIONS ARE INDICATED TO BE OPPOSITE HAND, CONTRACTOR IS RESPONSIBLE FOR REVIEW OF DRAWINGS TO CONFIRM LOCATIONS OF COLUMN ENCLOSURES, ADJACENT WINDOWS, AND OTHER CONDITIONS WHICH MAY BE DIFFERENT IN EACH ROOM.
  - E. REFER TO M.E.P. SERIES DRAWINGS FOR RELATED WORK.
  - F. ALL CASEWORK SHALL HAVE LOCKS, UNLESS NOTED OTHERWISE.
  - G. ALL BASE AND WARDROBE CABINETS SHALL BE 24" DEEP. UNLESS NOTED OTHERWISE, UPPER CABINETS SHALL BE 12" DEEP, UNLESS NOTED OTHERWISE.
  - H. ALL CASEWORK SHELVING SHALL BE ADJUSTABLE.
  - I. ALL CASEWORK COUNTERTOPS SHALL HAVE 4" BACK AND SIDESPLASH. SEAL ALL JOINTS BETWEEN COUNTERTOP AND SPLASH AND SPLASH-TO-WALL JOINTS.
  - J. ALL COUNTERTOPS WITH ENDS ABUTTING A WALL SURFACE OR TALL CABINET SHALL RECEIVE A 4" ENDSPLASH AT THAT LOCATION.
  - K. ALL CASEWORK BASE AND WALL TYPE UNITS WITH SHELF SUPPORT SPACING GREATER THAN 30" OR 36" SHALL HAVE AN ADDITIONAL SUPPORT PLACED AT CENTER OF SHELVES.
  - L. 16" +/- WIDE FILE DRAWER STORAGE PEDESTAL SHALL ACCOMMODATE (1) ROW FRONT TO BACK LETTER SIZE FILES.
  - M. 42" +/- WIDE LATERAL FILE DRAWER STORAGE SHALL ACCOMMODATE (3) ROW FRONT TO BACK LETTER SIZE FILES.
  - N. GENERAL CASEWORK COLORS (SPEC. 12 32 00)
    - a. PL-1: WILSONART, 4843-60 MISTED ZEPHYR (CASEWORK).
    - b. PL-2: WILSONART, 4947-36 RAW COTTON (COUNTERTOPS).
  - O. COUNTERTOP MATERIAL DESIGNATIONS:
    - a. PLASTIC LAMINATE: GENERAL CASEWORK.
    - b. EPOXY RESIN: ART ROOMS, SCIENCE ROOM, AG CLASSROOM, FLEX CLASSROOM AND CONSTRUCTION CLASSROOM.
    - c. SOLID SURFACE: RESTROOM LAVATORIES, RECEPTION DESKS.
    - d. SOLID SURFACE: CONCESSIONS, SPIRIT SHOP, BOOK STORE.

**SCHMIDT ASSOCIATES**  
415 Massachusetts Avenue  
Indianapolis, IN 46204  
www.schmidt-arch.com

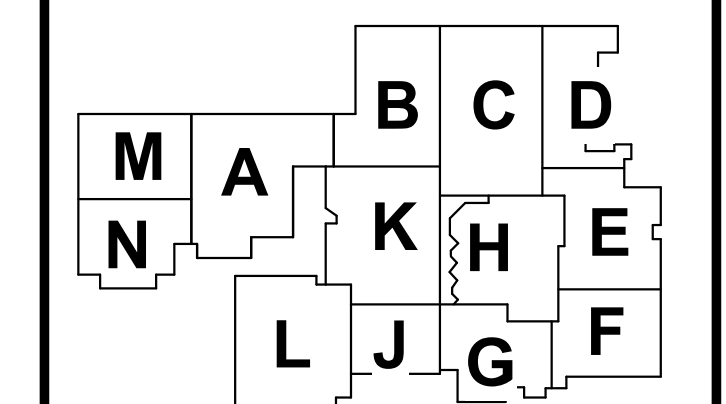
Project No. 2022-086.TGR  
Project Date 08.29.2023  
Produced ABM

ARCHITECT  
STATE OF INDIANA  
No. AR10400134  
Sarah K. Hempstead

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#	Revision	Date
A5	Addendum #5	09.27.2023
A7	Addendum #7	10.13.2023

3431 N 400 W  
Kokomo IN, 46901



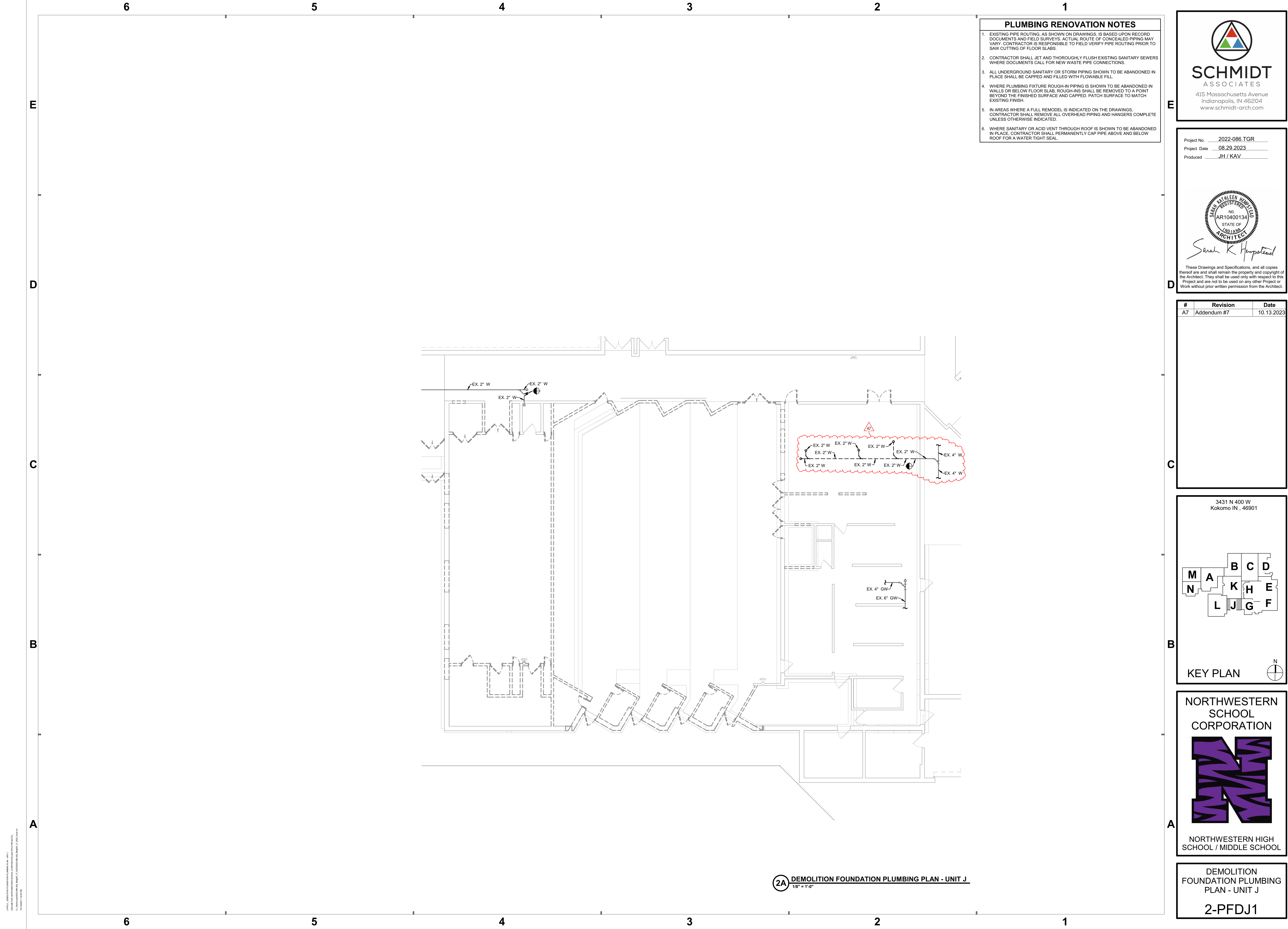
**NORTHWESTERN SCHOOL CORPORATION**

**NORTHWESTERN HIGH SCHOOL / MIDDLE SCHOOL**

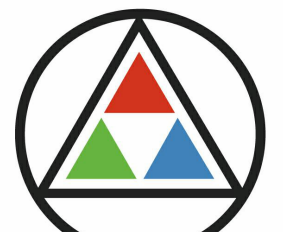
INTERIOR CASEWORK ELEVATIONS

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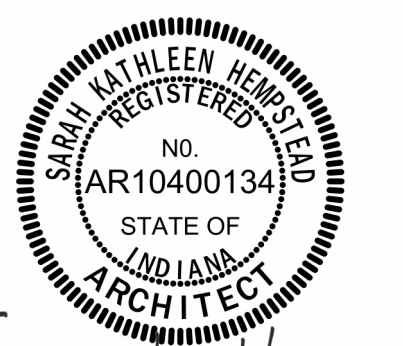


- PLUMBING RENOVATION NOTES**
- EXISTING PIPE ROUTING, AS SHOWN ON DRAWINGS, IS BASED UPON RECORD DOCUMENTS AND FIELD SURVEYS. ACTUAL ROUTE OF CONCEALED PIPING MAY VARY. CONTRACTOR IS RESPONSIBLE TO FIELD VERIFY PIPE ROUTING PRIOR TO SAW CUTTING OF FLOOR SLABS.
  - CONTRACTOR SHALL JET AND THOROUGHLY FLUSH EXISTING SANITARY SEWERS WHERE DOCUMENTS CALL FOR NEW WASTE PIPE CONNECTIONS.
  - ALL UNDERGROUND SANITARY OR STORM PIPING SHOWN TO BE ABANDONED IN PLACE SHALL BE CAPPED AND FILLED WITH FLOWABLE FILL.
  - WHERE PLUMBING FIXTURE ROUGH-IN PIPING IS SHOWN TO BE ABANDONED IN WALLS OR BELOW FLOOR SLAB, ROUGH-INS SHALL BE REMOVED TO A POINT BEYOND THE FINISHED SURFACE AND CAPPED. PATCH SURFACE TO MATCH EXISTING FINISH.
  - IN AREAS WHERE A FULL REMODEL IS INDICATED ON THE DRAWINGS, CONTRACTOR SHALL REMOVE ALL OVERHEAD PIPING AND HANGERS COMPLETE UNLESS OTHERWISE INDICATED.
  - WHERE SANITARY OR ACID VENT THROUGH ROOF IS SHOWN TO BE ABANDONED IN PLACE, CONTRACTOR SHALL PERMANENTLY CAP PIPE ABOVE AND BELOW ROOF FOR A WATER TIGHT SEAL.



**SCHMIDT ASSOCIATES**  
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Indianapolis, IN 46204  
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Project No. 2022-086.TGR  
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Produced JH / KAV

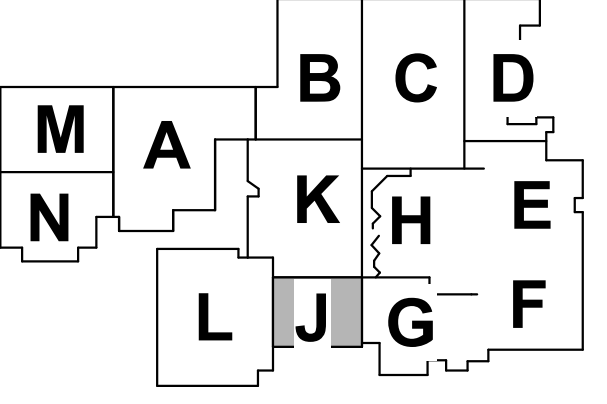


*Sarah K. Hempstead*

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#	Revision	Date
A7	Addendum #7	10.13.2023

3431 N 400 W  
Kokomo IN , 46901



**KEY PLAN**

**NORTHWESTERN SCHOOL CORPORATION**



**NORTHWESTERN HIGH SCHOOL / MIDDLE SCHOOL**

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

**2-PFDJ1**

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DRAWN BY: JH  
CHECKED BY: KAV  
DATE: 08.29.2023  
10/20/2023 10:10 AM

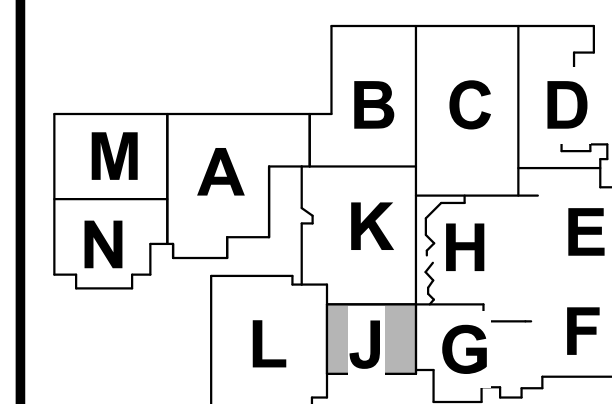
Project No. 2022-086.TGR  
Project Date 08.29.2023  
Produced JH / KAV



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3431 N 400 W  
Kokomo IN , 46901



## KEY PLAN

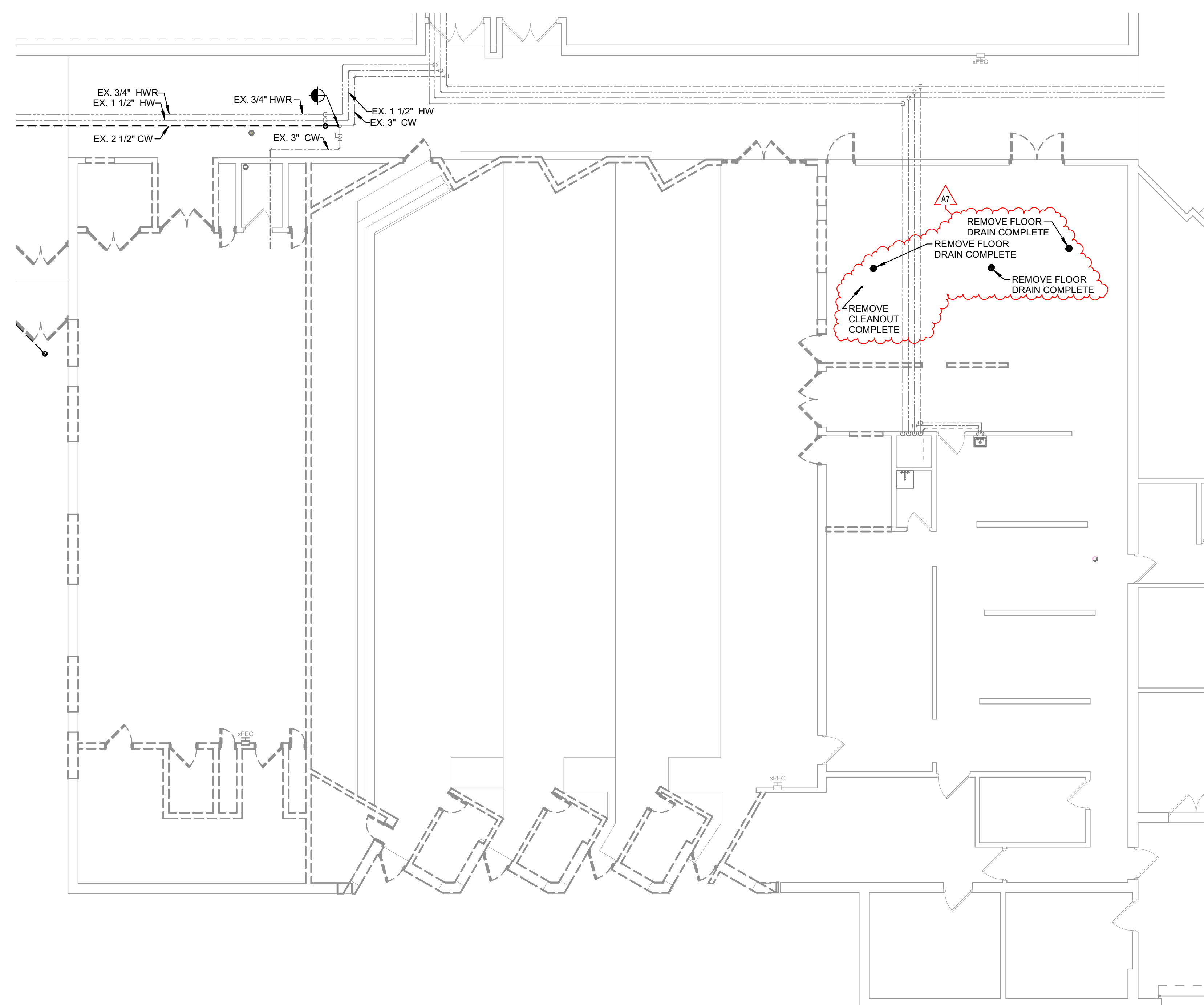
NORTHWESTERN  
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NORTHWESTERN HIGH  
SCHOOL / MIDDLE SCHOOL

DEMOLITION FIRST  
FLOOR PLUMBING PLAN -  
UNIT J

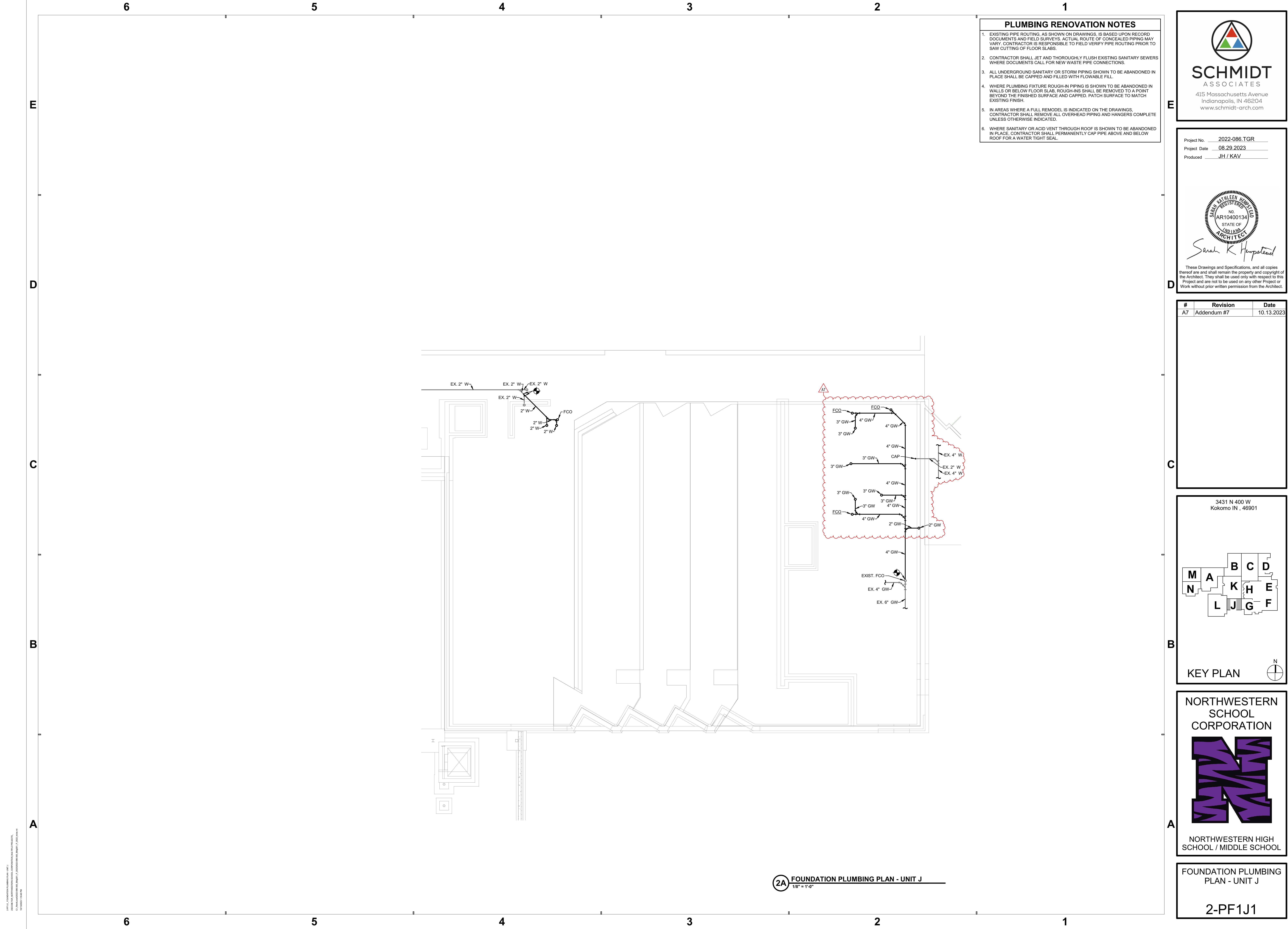
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1. EXISTING PIPE ROUTING, AS SHOWN ON DRAWINGS, IS BASED UPON RECORD DOCUMENTS AND FIELD SURVEYS. ACTUAL ROUTE OF CONCEALED PIPING MAY VARY. CONTRACTOR IS RESPONSIBLE TO FIELD VERIFY PIPE ROUTING PRIOR TO START CUTTING OF FLOOR SLABS.
2. CONTRACTOR SHALL JET AND THOROUGHLY FLUSH EXISTING SANITARY SEWERS WHERE DOCUMENTS CALL FOR NEW WASTE PIPE CONNECTIONS.
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5. IN AREAS WHERE A FUR MODEL IS INDICATED ON THE DRAWINGS, CONTRACTOR SHALL REMOVE ALL OVERHEAD PIPING AND HANGERS COMPLETE UNLESS OTHERWISE INDICED.
6. WHERE SANITARY OR ACID VENT THROUGH ROOF IS SHOWN TO BE ABANDONED IN PLACE, CONTRACTOR SHALL PERMANENTLY CAP PIPE ABOVE AND BELOW ROOF FOR A WATER TIGHT.



**2A** DEMOLITION FIRST FLOOR PLUMBING PLAN - UNIT J  
1/8" = 1'-0"





- PLUMBING RENOVATION NOTES**
- EXISTING PIPE ROUTING, AS SHOWN ON DRAWINGS, IS BASED UPON RECORD DOCUMENTS AND FIELD SURVEYS. ACTUAL ROUTE OF CONCEALED PIPING MAY VARY. CONTRACTOR IS RESPONSIBLE TO FIELD VERIFY PIPE ROUTING PRIOR TO SAW CUTTING OF FLOOR SLABS.
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A7	Addendum #7	10.13.2023

3431 N 400 W  
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KEY PLAN

NORTHWESTERN SCHOOL CORPORATION

NORTHWESTERN HIGH SCHOOL / MIDDLE SCHOOL

FOUNDATION PLUMBING PLAN - UNIT J

2-PF1J1

24910-1 FOUNDATION PLUMBING PLAN - UNIT J  
DESIGNED BY: JH  
CHECKED BY: KAV  
DATE: 10/13/2023  
10/13/2023 10:48 AM

**2A** FOUNDATION PLUMBING PLAN - UNIT J  
1/8" = 1'-0"

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2. CONTRACTOR SHALL JET AND THOROUGHLY FLUSH EXISTING SANITARY SEWERS WHERE DOCUMENTS CALL FOR NEW WASTE PIPE CONNECTIONS.

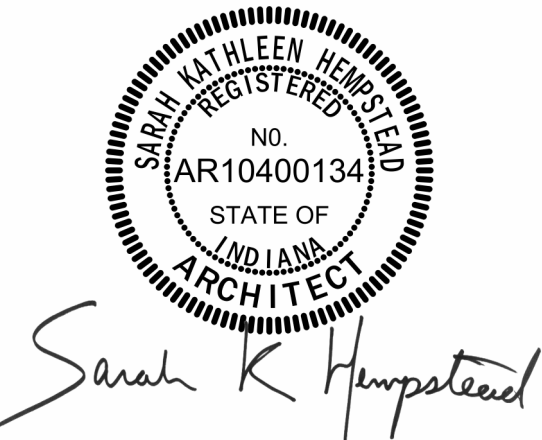
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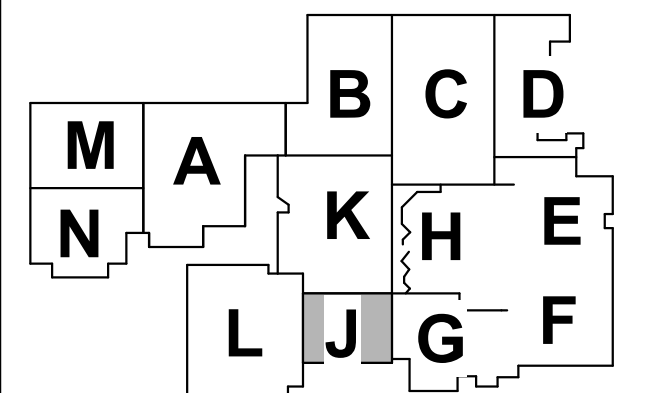
PLUMBING FIXTURE ROUGH-IN LEGEND				
MARK	FIXTURE CONNECTION			
	CW	HW	W	V
EW-1	1 1/4"	1/2"	1 1/2"	1 1/2"
EWES-1	1 1/4"	1 1/4"	1 1/2"	1 1/2"
EWC-1	3/4"		1 1/2"	1 1/2"
EWC-2	3/4"		1 1/2"	1 1/2"
FD-1			2"	
FD-2			3"	
FD-3			2"	
FD-4			4"	
FS-1			3"	
AHR-1				
L-1	1/2"	1/2"	1 1/2"	1 1/2"
HB-1	3/4"			
HB-2	3/4"			
NFWH-1	3/4"			
RH-1	3/4"			
SB-1	1/2"			
SB-2	1/2"			
SB-2	1/2"			
WMB-1	3/4"	3/4"	2"	1 1/2"
OFD-1			6"	
OFD-2			4"	
RD-1			6"	
RD-2			4"	
SH-1	3/4"	3/4"	2"	1 1/2"
SH-2	1/2"	1/2"		
SH-3	1/2"	1/2"		
HS-1	1/2"	1/2"	1 1/2"	1 1/2"
LT-1	1/2"	1/2"	1 1/2"	1 1/2"
MB-1	3/4"	3/4"	3"	1 1/2"
SK-1	1/2"	1/2"	1 1/2"	1 1/2"
SK-2	1/2"	1/2"	1 1/2"	1 1/2"
SK-3	3/4"	3/4"	2"	
SK-4	1/2"	1/2"	1 1/2"	1 1/2"
SK-5	1/2"	1/2"	1 1/2"	1 1/2"
SK-6	1/2"	1/2"	1 1/2"	1 1/2"
SK-7	1/2"	1/2"	1 1/2"	1 1/2"
UR-1	3/4"		2"	1 1/2"
UR-2	3/4"		2"	1 1/2"
WC-1	1"		4"	2"
WC-2	1"		4"	2"
WC-3	1"		3"	2"
WC-4	1"		3"	2"



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3431 N 400 W  
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KEY PLAN

NORTHWESTERN  
SCHOOL  
CORPORATION



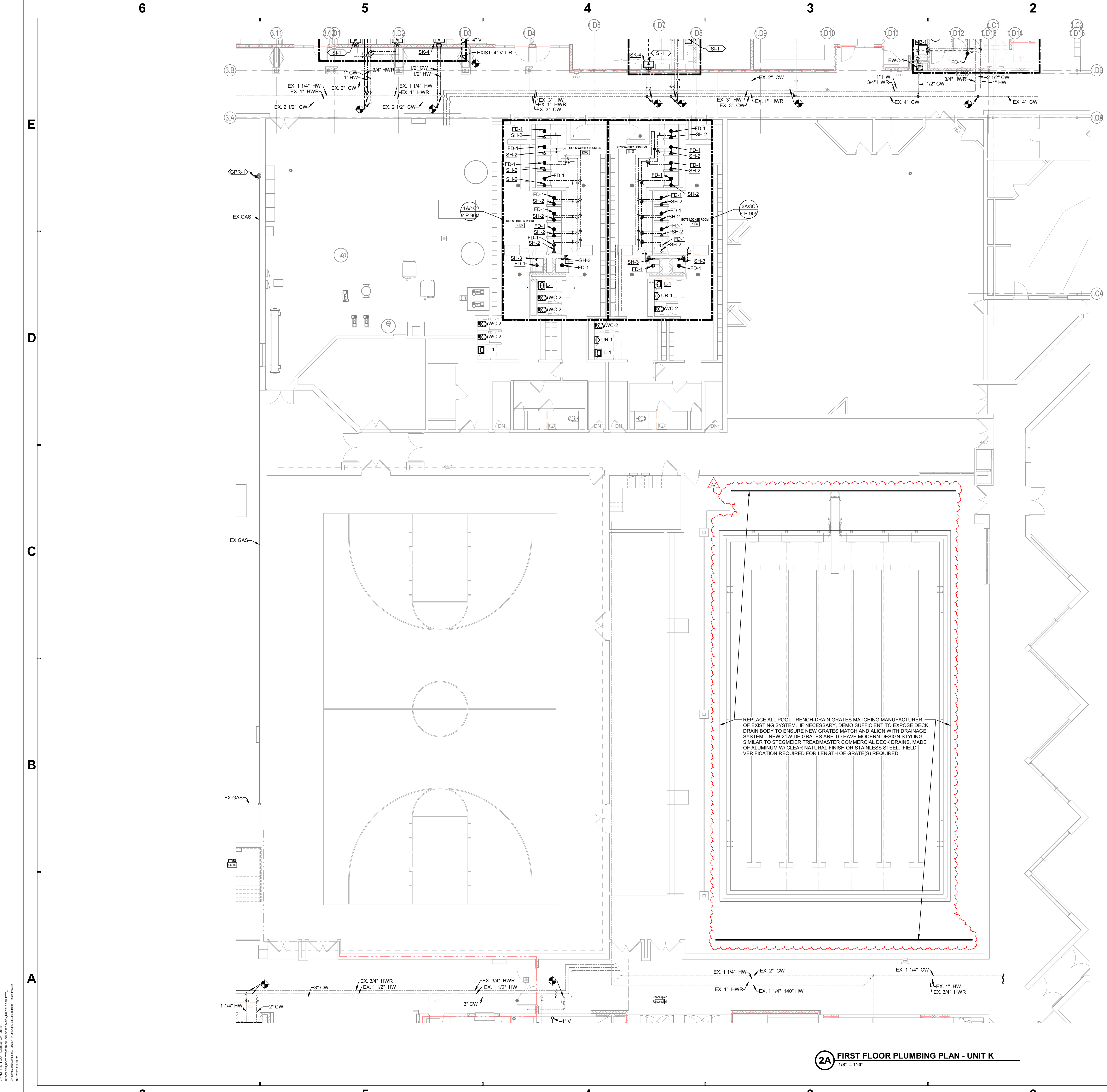
NORTHWESTERN HIGH  
SCHOOL / MIDDLE SCHOOL

FIRST FLOOR PLUMBING  
PLAN - UNIT J

2-PP1J1

2A FIRST FLOOR PLUMBING PLAN - UNIT J  
1/8" = 1'-0"





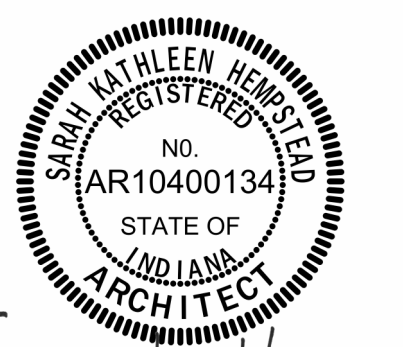
- ### PLUMBING RENOVATION NOTES
- EXISTING PIPE ROUTING, AS SHOWN ON DRAWINGS, IS BASED UPON RECORD DOCUMENTS AND FIELD SURVEYS. ACTUAL ROUTE OF CONCEALED PIPING MAY VARY. CONTRACTOR IS RESPONSIBLE TO FIELD VERIFY PIPE ROUTING PRIOR TO SAW CUTTING OF FLOOR SLABS.
  - CONTRACTOR SHALL JET AND THOROUGHLY FLUSH EXISTING SANITARY SEWERS WHERE DOCUMENTS CALL FOR NEW WASTE PIPE CONNECTIONS.
  - ALL UNDERGROUND SANITARY OR STORM PIPING SHOWN TO BE ABANDONED IN PLACE SHALL BE CAPPED AND FILLED WITH FLOWABLE FILL.
  - WHERE PLUMBING FIXTURE ROUGH-IN PIPING IS SHOWN TO BE ABANDONED IN WALLS OR BELOW FLOOR SLAB, ROUGH-INS SHALL BE REMOVED TO A POINT BEYOND THE FINISHED SURFACE AND CAPPED. PATCH SURFACE TO MATCH EXISTING FINISH.
  - IN AREAS WHERE A FULL REMODEL IS INDICATED ON THE DRAWINGS, CONTRACTOR SHALL REMOVE ALL OVERHEAD PIPING AND HANGERS COMPLETE UNLESS OTHERWISE INDICATED.
  - WHERE SANITARY OR ACID VENT THROUGH ROOF IS SHOWN TO BE ABANDONED IN PLACE, CONTRACTOR SHALL PERMANENTLY CAP PIPE ABOVE AND BELOW ROOF FOR A WATER TIGHT SEAL.

PLUMBING FIXTURE ROUGH-IN LEGEND					
MARK	FIXTURE CONNECTION				
	CW	HW	W	V	
EW-1	1 1/4"	1/2"	1 1/2"	1 1/2"	
EW-2	1 1/4"	1 1/4"	1 1/2"	1 1/2"	
EW-1	3/4"		1 1/2"	1 1/2"	
EW-2	3/4"		1 1/2"	1 1/2"	
FD-1			2"		
FD-2			3"		
FD-3			2"		
FD-4			4"		
FS-1			3"		
AHR-1					
L-1	1/2"	1/2"	1 1/2"	1 1/2"	
HB-1	3/4"				
HB-2	3/4"				
NFWH-1	3/4"				
RH-1	3/4"				
SB-1	1/2"				
SB-2	1/2"				
SB-3	1/2"				
WMB-1	3/4"	3/4"	2"	1 1/2"	
OFD-1			6"		
OFD-2			4"		
RD-1			6"		
RD-2			4"		
SH-1	3/4"	3/4"	2"	1 1/2"	
SH-2	1/2"	1/2"			
SH-3	1/2"	1/2"			
HS-1	1/2"	1/2"	1 1/2"	1 1/2"	
LT-1	1/2"	1/2"	1 1/2"	1 1/2"	
MB-1	3/4"	3/4"	3"	1 1/2"	
SK-1	1/2"	1/2"	1 1/2"	1 1/2"	
SK-2	1/2"	1/2"	1 1/2"	1 1/2"	
SK-3	3/4"	3/4"	2"		
SK-4	1/2"	1/2"	1 1/2"	1 1/2"	
SK-5	1/2"	1/2"	1 1/2"	1 1/2"	
SK-6	1/2"	1/2"	1 1/2"	1 1/2"	
SK-7	1/2"	1/2"	1 1/2"	1 1/2"	
UR-1	3/4"		2"	1 1/2"	
UR-2	3/4"		2"	1 1/2"	
WC-1	1"		4"	2"	
WC-2	1"		4"	2"	
WC-3	1"		3"	2"	
WC-4	1"		3"	2"	



**SCHMIDT ASSOCIATES**  
415 Massachusetts Avenue  
Indianapolis, IN 46204  
www.schmidt-arch.com

Project No. 2022-086.TGR  
Project Date 08.29.2023  
Produced JH / KAV

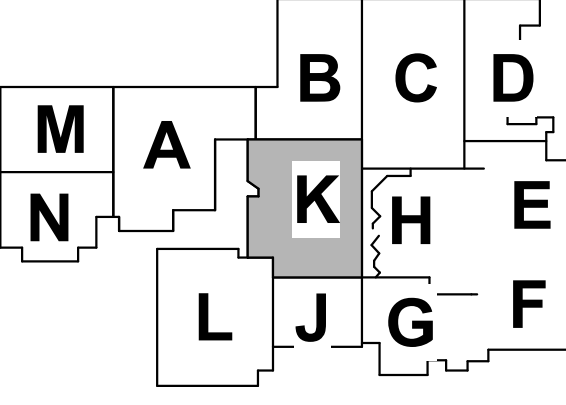


Sarah K. Hempstead

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#	Revision	Date
A7	Addendum #7	10.13.2023

3431 N 400 W  
Kokomo IN , 46901



KEY PLAN

N

**NORTHWESTERN SCHOOL CORPORATION**



**NORTHWESTERN HIGH SCHOOL / MIDDLE SCHOOL**

**FIRST FLOOR PLUMBING PLAN - UNIT K**

**2-PP1K1**

2-PP1K1 - FIRST FLOOR PLUMBING PLAN - UNIT K  
DESIGNED BY: JEFFREY L. HEMPEL, P.E., ARCHITECT  
CHECKED BY: JEFFREY L. HEMPEL, P.E., ARCHITECT  
DATE: 08/29/2023  
10/13/2023 10:00 AM



1-E-101 - 1 - ELECTRICAL SITE PLAN  
DESIGNED BY SCHMIDT ASSOCIATES, INC. (SCHMIDT ASSOCIATES, INC. IS THE DESIGNER OF RECORD FOR THIS PROJECT)  
10/2023 11:42:48 AM

6

5

4

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2

1

E

D

C

B

A

6

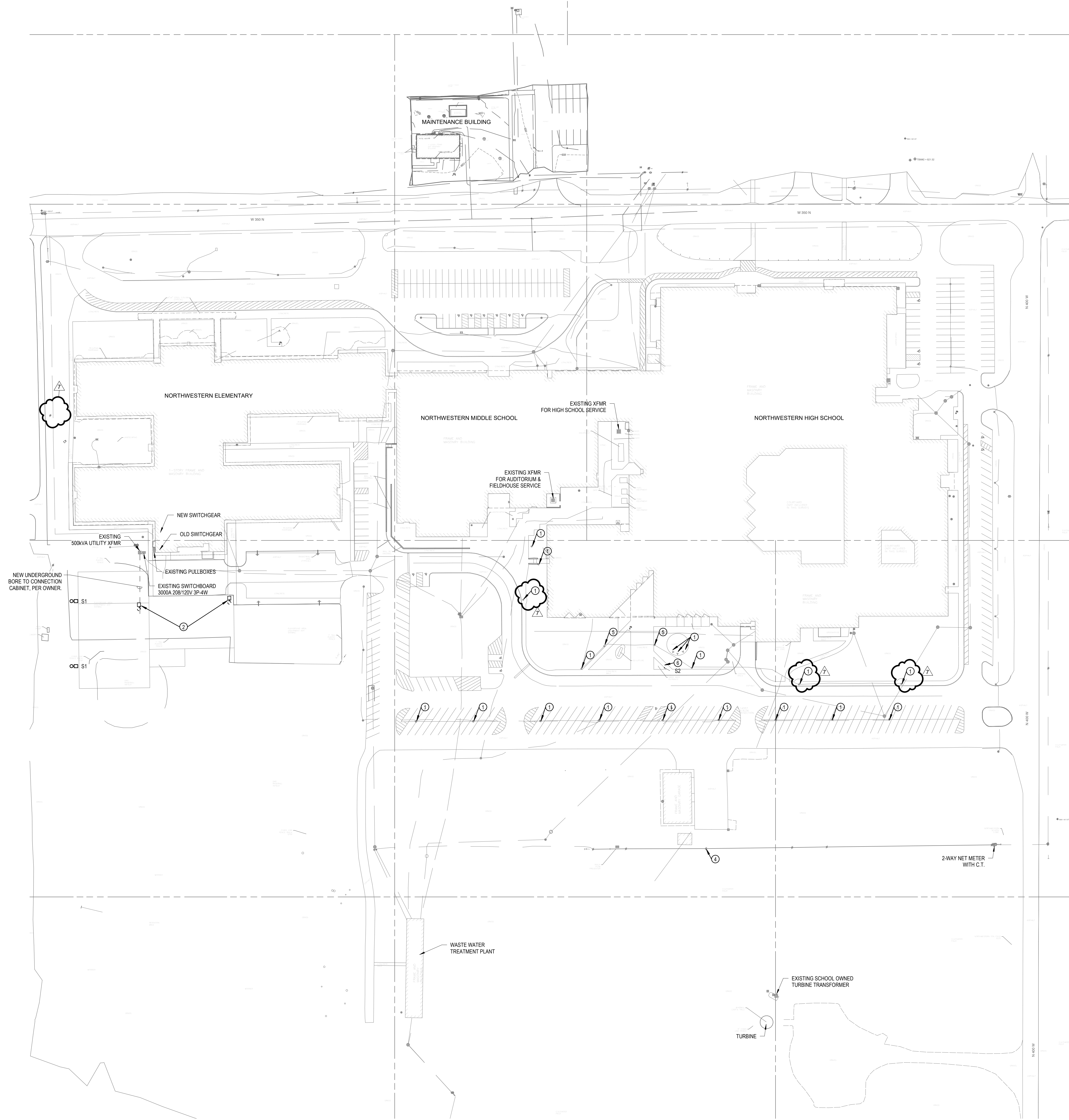
5

4

3

2

1



1 NORTHWESTERN SCHOOLS ELECTRICAL SITE PLAN  
1" = 60'-0"

GENERAL NOTES

- ALL WORK SHOWN IS NEW AND PROVIDED BY THE ELECTRICAL CONTRACTOR UNLESS OTHERWISE INDICATED.
- REMOVE OR RELOCATE ANY AND ALL EXISTING SERVICES, POLES, ETC., AS MAY BE REQUIRED TO ACCOMMODATE NEW CONSTRUCTION UNLESS OTHERWISE INDICATED.
- COORDINATE ALL INCOMING ELECTRICAL SERVICE WORK WITH THE ELECTRICAL UTILITY COMPANY. PAY ALL FEES AND OTHER COSTS NOT BORNE BY THE ELECTRICAL UTILITY COMPANY TO PROVIDE NEW ELECTRICAL SERVICES TO THE PROJECT BUILDINGS.
- PROVIDE PULL STRINGS IN ALL UTILITY CONDUITS.
- ALL EXTERIOR CONDUITS SHALL BE INSTALLED BELOW THE FROST LINE.
- COORDINATE LOCATIONS OF ALL UNDERGROUND CONDUITS, HANDHOLES, AND MANHOLES.
- UNDERGROUND DRAINING SERVICES, STRUCTURES, AND PAVING.
- PROVIDE ADDITIONAL HANDHOLES AND MANHOLES AS REQUIRED BY THE UTILITY COMPANIES.
- COORDINATE ALL ROUTING AND TERMINATION LOCATIONS WITH THE UTILITY COMPANIES PRIOR TO BID.

PLAN NOTES

- REMOVE AND RELOCATE LIGHT FIXTURE AND BASE AND REFER TO SOURCE.
- GENERAL CONTRACTOR RESPONSIBLE FOR REMOVAL OF (2) DUKE ENERGY LEASED LIGHT POLES AND ASSOCIATED WIRING.
- NOT USED
- POLE MOUNTED TRANSFORMER LOCATION.
- REMOVE LIGHT FIXTURE AND BASE.
- NEW FLAGPOLE LOCATION.



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731 Brent St. #203, Louisville, KY 40204

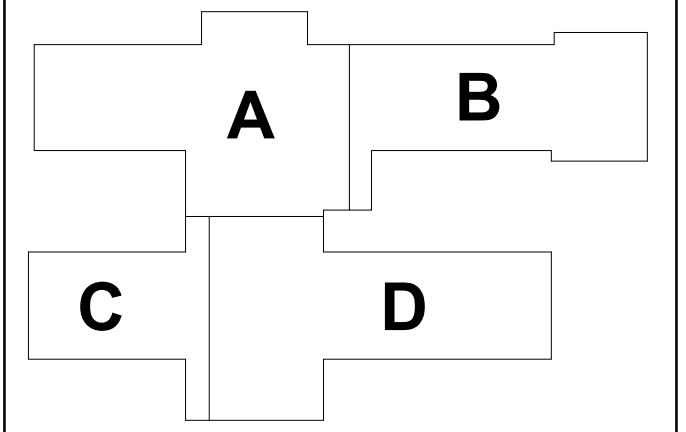
Project No. 2022-086.TGR  
Project Date 08.29.2023  
Produced DGS



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#	Revision	Date
	ADDENDUM 5	09-29-2023
	ADDENDUM 7	10-13-2023

4223 W 350 N  
Kokomo, IN 46901



KEY PLAN

NORTHWESTERN  
SCHOOL  
CORPORATION



NORTHWESTERN  
ELEMENTARY SCHOOL

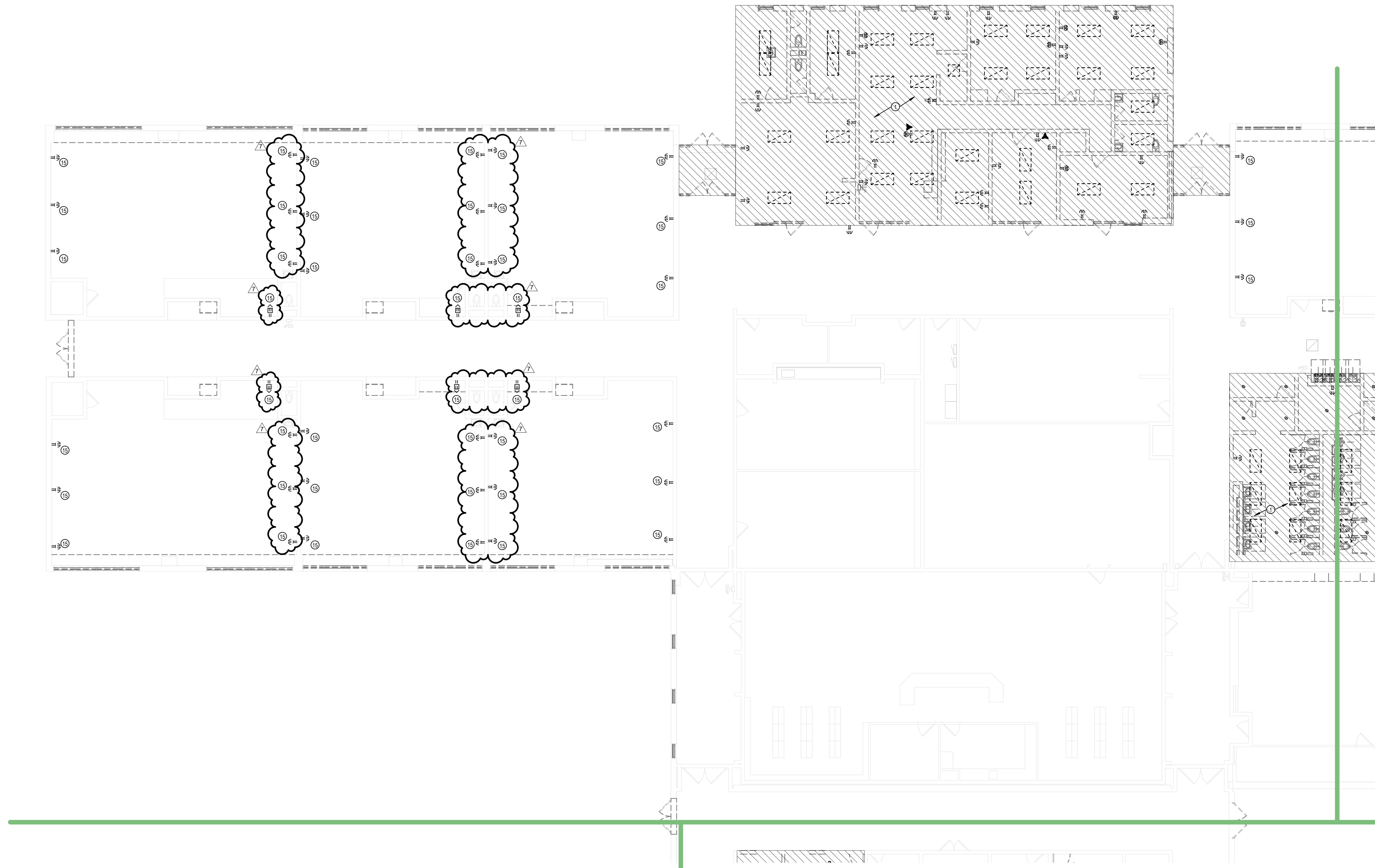
1 - ELECTRICAL SITE  
PLAN

1-E-101



PLAN NOTES

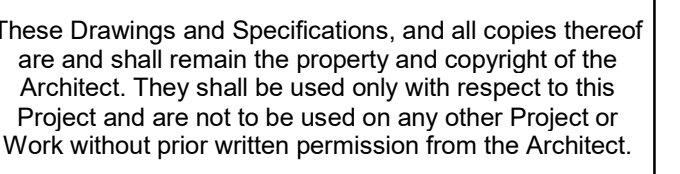
- 1 DIAGONAL HATCH INDICATES ROOFWAKE TO BE DEMOLISHED.
- 2 CONTRACTOR TO REMOVE AND RELOCATE EXISTING LIGHTING FIXTURES AND EQUIPMENT TO NEW LOCATION AND REMOVE COMPLETE. REMOVE THE OTHER LIGHTING FIXTURES, LIGHTING CONTROL DEVICES, RECEPTACLES, PANELBOARDS, POWER TO MECHANICAL AND/OR PLUMBING EQUIPMENT, FIRE ALARM DEVICES, ETC. IN HATCHED AREA BACK TO SOURCE COMPLETE, UNLESS NOTED OTHERWISE. REFER TO NEW WORK ON LIGHTING, POWER AND SYSTEMS SPECS FOR ADDITIONAL INFORMATION.
- 3 EXISTING AIR COMPRESSOR TO BE REMOVED COMPLETE.
- 4 PROTECT EXISTING TELECOM SERVICE TO THE FIELDHOUSE.
- 5 EXISTING LIGHTING TO BE REMOVED IN THIS CORRIDOR. EXISTING CIRCUIT SHALL REMAIN FOR CORRIDOR LIGHTING.
- 6 TRANSFORMER FOR PANEL P-04A TO BE REMOVED COMPLETE.
- 7 EXISTING PUMPERS, STARTERS, FEEDERS TO BE REMOVED COMPLETE BACK TO SOURCE.
- 8 REMOVE POWER AND CONTROL TO Q2 EXISTING AIR COOLED CHILLERS COMPLETE BACK TO SOURCE. REFER TO MECHANICAL DRAWINGS.
- 9 EXISTING PANEL TO REMAIN.
- 10 EXISTING P-04A TO BE REMOVED AND REPLACED.
- 11 EXISTING VAV TO BE DISCONNECTED AND RECONNECTED TO ALLOW NEW VAV TO BE INSTALLED.
- 14 DISCONNECT AND REMOVE STARTER AND FEEDER TO EXISTING AHU COMPLETE.
- 15 EXISTING RECEPTACLE AND WIREMOLD TO BE REMOVED. EXISTING CIRCUIT TO REMAIN ABOVE THE CEILING FOR EXTENSION TO NEW WORK. REFER TO NEW WORK ON POWER AND SYSTEMS PLANS FOR ADDITIONAL INFORMATION.



1 E - ELECTRICAL DEMOLITION PLAN - UNIT A  
1/8" = 1'-0"

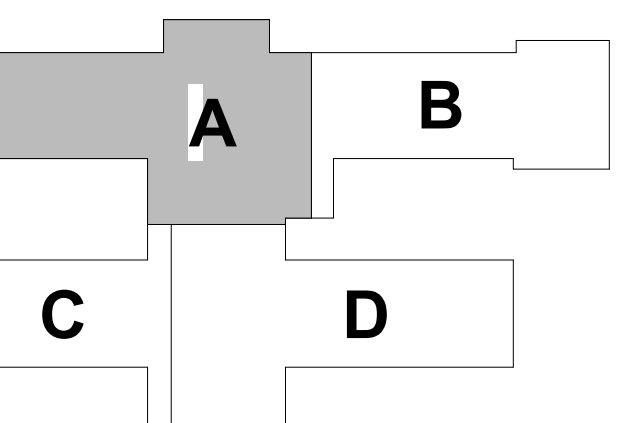


Project No. 2022-086.TGR  
Project Date 08.15.2023  
Produced DGS



#	Revision	Date
	ADDENDUM 7	10-13-2023

4223 W 350 N  
Okomo, IN 46901



## KEY PLAN

NORTHWESTERN  
SCHOOL  
CORPORATION



NORTHWESTERN  
ELEMENTARY SCHOOL

1 - ELECTRICAL  
DEMOLITION PLAN - UNIT  
A

1-ED1A1



6

5

4

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2

1

**FIRE ALARM SYSTEM DEMOLITION NOTES:**

- A. REMOVE COMPLETE THE EXISTING FIRE ALARM SYSTEM IN THE MIDDLE SCHOOL/HIGH SCHOOL UNITS 8, C, D, E, F, G, H, K, L, AND THE ENTIRE ELEMENTARY SCHOOL.
- B. PROVIDE NEW FIRE ALARM SYSTEM THROUGHOUT THE EXISTING BUILDING AND REMODELED AREAS.

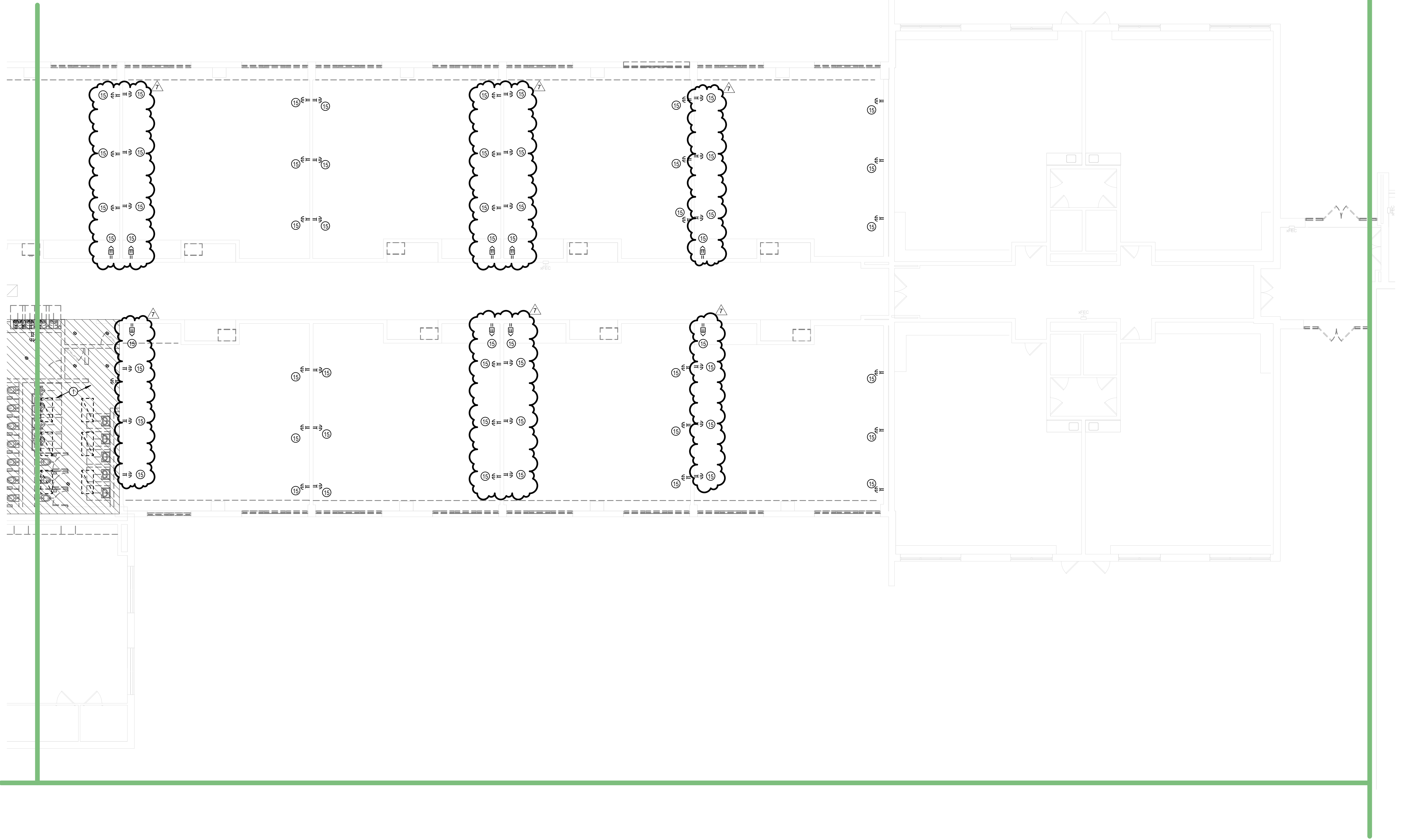
**GENERAL DEMOLITION NOTES**

(REQUIRED TO COMPLETE THE SCOPE OF WORK)

- A. REFER TO ELECTRICAL SYMBOLS & ABBREVIATIONS SHEET FOR ADDITIONAL INFORMATION.
- B. THIS DRAWING REPRESENTS INFORMATION OBTAINED FROM ORIGINAL CONTRACT DRAWINGS AND FIELD SURVEY. VERIFY BY ON-SITE OBSERVATION THE EXTENT OF WORK PRIOR TO SUBMISSION OF BID.
- C. CONTRACT DOCUMENTS CONSIST OF BOTH PROJECT MANUAL AND DRAWINGS AND ARE MEANT TO BE COMPLEMENTARY. ANYTHING APPEARING ON EITHER MUST BE EXECUTED THE SAME AS IF SHOWN ON BOTH.
- D. THOROUGHLY EXAMINE THE WORK OF OTHER CONTRACTORS AND PROPERLY INSTALL ALL WORK REQUIRED FOR THE PROJECT.
- E. COORDINATE AND DISCONNECT ALL ARCHITECTURAL, MECHANICAL, AND PLUMBING EQUIPMENT AS NOTED FOR REMOVAL BY OTHERS. REMOVE ALL ASSOCIATED ELECTRICAL EQUIPMENT, RACEWAYS, CONDUCTORS, ETC. SERVING THE EQUIPMENT.
- F. PROVIDE ALL CUTTING AND PATCHING AS REQUIRED FOR THE REMOVAL OF EXISTING ELECTRICAL EQUIPMENT. REFER TO SPECIFICATIONS.
- G. PROVIDE A BLANK COVERPLATE FOR ALL EXISTING WALL OPENINGS WHERE ELECTRICAL EQUIPMENT HAS BEEN REMOVED AND NOT REPLACED. IN AREAS RECEIVING NEW WALL TREATMENTS, PATCH THE EXISTING OPENING.
- H. REFER TO A, M, AND P-SERIES DRAWINGS FOR AREAS WITH ABOVE CEILING WORK AND/OR CEILING REMOVAL. TEMPORARILY SUPPORT ALL ELECTRICAL DEVICES, FIXTURES, ETC. AS REQUIRED. RE-INSTALL ELECTRICAL ITEMS FOLLOWING THE COMPLETION OF WORK IN THE NEW OR EXISTING CEILINGS.
- I. REFER TO ELECTRICAL ONE-LINE DIAGRAMS FOR ELECTRICAL EQUIPMENT TO BE DEMOLISHED.

**PLAN NOTES**

1. DIAGONAL HATCH INDICATES ROOM/AREA TO BE DEMOLISHED. CONTRACTOR TO REMOVE AND RELOCATE EXISTING LIGHTING FIXTURES WHERE SHOWN ON THE NEW LIGHTING PLANS AND REMOVE COMPLETE THE OTHER LIGHTING FIXTURES, LIGHTING CONTROL DEVICES, RECEPTACLES, PANEL BOARDS, POWER TO MECHANICAL, AND/OR PLUMBING EQUIPMENT, FIRE ALARM DEVICES, ETC IN HATCHED AREA BACK TO SOURCE COMPLETE, UNLESS NOTED OTHERWISE. REFER TO NEW WORK ON LIGHTING, POWER AND SYSTEMS SHEETS FOR ADDITIONAL INFORMATION.
3. EXISTING AIR COMPRESSOR TO BE REMOVED COMPLETE.
4. PROTECT EXISTING TELECOM SERVICE TO THE FIELDHOUSE.
5. EXISTING LIGHTING TO BE REMOVED IN THIS CORRIDOR. EXISTING CIRCUIT SHALL REMAIN FOR CONNECTION TO NEW LIGHTING.
6. TRANSFORMER FOR PANEL CPA TO BE REMOVED COMPLETE.
7. EXISTING PUMPS, STARTERS, FEEDERS TO BE REMOVED COMPLETE BACK TO SOURCE.
8. REMOVE POWER AND CONTROL TO (2) EXISTING AIR COOLED CHILLERS COMPLETE BACK TO SOURCE. REFER TO MECHANICAL DRAWINGS.
9. EXISTING PANEL TO REMAIN.
11. PANEL XAA TO BE REMOVED AND REPLACED.
12. EXISTING VUV TO BE DISCONNECTED AND RECONNECTED TO ALLOW NEW WALL TO BE INSTALLED.
14. DISCONNECT AND REMOVE STARTER AND FEEDER TO EXISTING AHU COMPLETE.
15. EXISTING RECEPTACLE AND WIREMOLD TO BE REMOVED. EXISTING CIRCUIT TO REMAIN ABOVE THE CEILING FOR EXTENSION TO NEW DEVICES. REFER TO NEW WORK ON POWER AND SYSTEMS PLANS FOR ADDITIONAL INFORMATION.



1 E - ELECTRICAL DEMOLITION PLAN - UNIT B  
1/8" = 1'-0"



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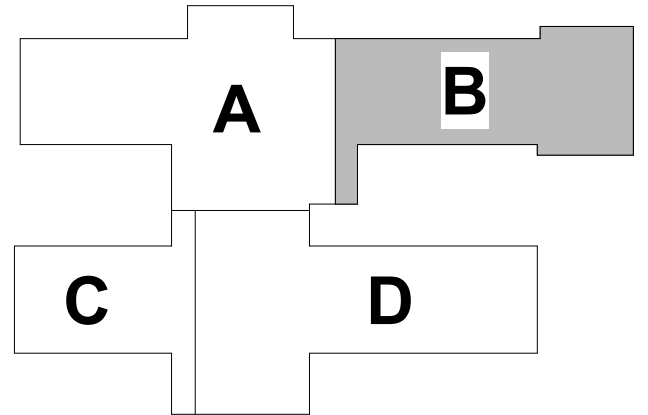
Project No. 2022-086.TGR  
Project Date 08.15.2023  
Produced DGS



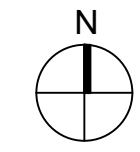
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#	Revision	Date
	ADDENDUM 7	10-13-2023

4223 W 350 N  
Kokomo, IN 46901



KEY PLAN



**NORTHWESTERN  
SCHOOL  
CORPORATION**



**NORTHWESTERN  
ELEMENTARY SCHOOL**

1 - ELECTRICAL  
DEMOLITION PLAN - UNIT  
B

1-ED1B1

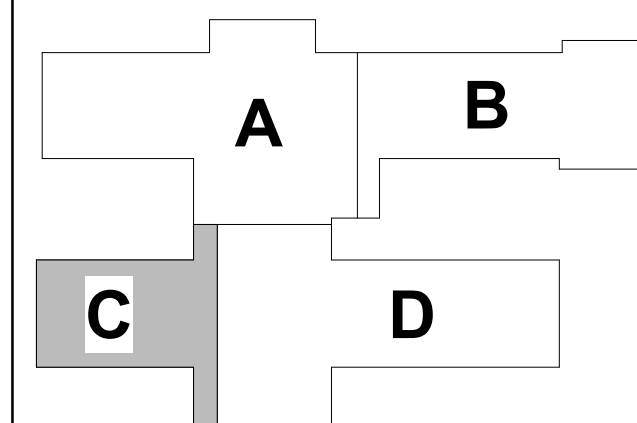
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#	Revision	Date
	ADDENDUM 7	10-13-2023

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Kokomo, IN 46901



## KEY PLAN

NORTHWESTERN  
SCHOOL  
CORPORATION



NORTHWESTERN  
ELEMENTARY SCHOOL

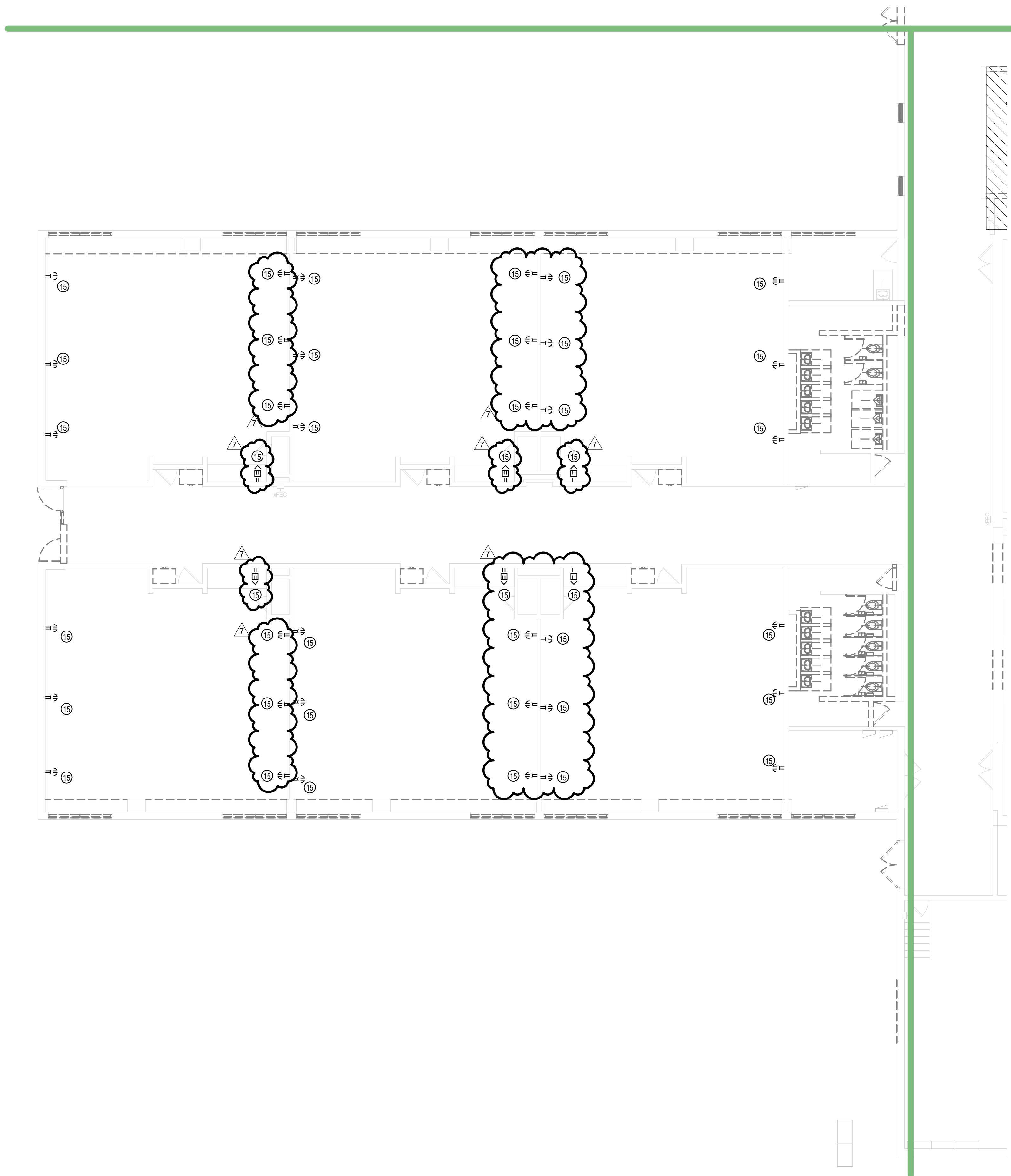
1 - ELECTRICAL  
DEMOLITION PLAN - UNIT  
C

1-ED1C1

(REQUIRED TO COMPLETE THE SCOPE OF WORK)

- B. REFER TO ELECTRICAL SYMBOLS & ABBREVIATIONS SHEET FOR ADDITIONAL INFORMATION.  
 C. THIS DRAWING REPRESENTS INFORMATION OBTAINED FROM ORIGINAL CONTRACT DRAWINGS AND FIELD SURVEY. IT IS NOT TO BE USED FOR CONSTRUCTION OF THE PROJECT. IT IS TO BE USED TO IDENTIFY THE LOCATION OF THE BID CONTRACT DOCUMENTS CONSIST OF BOTH PROJECT MANUAL AND DRAWINGS AND ARE MEANT TO BE COMPLEMENTARY. ANYTHING APPEARING ON EITHER MUST BE EXECUTED THE SAME AS IS SHOWN ON BOTH.  
 D. THOROUGHLY EXAMINE THE WORK OF OTHER CONTRACTORS AND PROPERLY INSTALL ALL WORK REQUIRED FOR THE PROJECT.  
 E. COORDINATE AND DISCONNECT ALL ARCHITECTURAL, MECHANICAL, AND PLUMBING EQUIPMENT AS REQUIRED FOR REMOVAL BY OTHERS. REMOVE ALL ASSOCIATED ELECTRICAL EQUIPMENT, RACEWAYS, CONDUCTORS, ETC. SERVING THE EQUIPMENT.  
 F. PROVIDE ALL CUTTING AND PATCHING AS REQUIRED FOR THE REMOVAL OF EXISTING ELECTRICAL EQUIPMENT.  
 G. OBTAIN THE SPECIFICATIONS FOR THE REMOVAL OF EXISTING ELECTRICAL EQUIPMENT.  
 H. PROVIDE A BLANK COVERPLATE FOR ALL EXISTING WALL OPENINGS WHERE ELECTRICAL EQUIPMENT HAS BEEN REMOVED AND NOT REPLACED. IN AREAS RECEIVING NEW WALL TREATMENTS, PATCH THE EXISTING SURFACE.  
 I. REFER TO A, M, AND P-SERIES DRAWINGS FOR AREAS WITH ABOVE CEILING WORK AND/OR CEILING REMOVAL. TEMPORARILY SUPPORT ALL ELECTRICAL DEVICES, FIXTURES, ETC. AS REQUIRED RE-INSTALLATION. FOLLOW THE FOLLOWING: 1. REFER TO ELECTRICAL SYMBOLS AND ABBREVIATIONS SHEET FOR ADDITIONAL INFORMATION.  
 J. REFER TO ELECTRICAL ONE-LINE DIAGRAMS FOR ELECTRICAL EQUIPMENT TO BE DEMOLISHED.

- 1 DIAGONAL HATCH INDICATES ROOMAREA TO BE DEMOLISHED.
- 2 CONTRACTOR TO REMOVE AND RELOCATE EXISTING LIGHTING FIXTURES
- 3 TO THE CORRIDOR. REMOVE ALL EXISTING LIGHTING FIXTURES AND REMOVE COMPLETE
- 4 THE OTHER LIGHTING FIXTURES, LIGHTING CONTROL DEVICES,
- 5 RECEPTABLES, PANELBOARDS, POWER TO MECHANICAL AND
- 6 AIR CONDITIONING EQUIPMENT. REMOVE ALL EXISTING HATCHED AREA
- 7 BACK TO SOURCE COMPLETE, UNLESS NOTED OTHERWISE, REFER TO
- 8 NEW WORK ON LIGHTING, POWER AND SYSTEMS SHEETS FOR ADDITIONAL
- 9 INFORMATION.
- 10 EXISTING AIR COMPRESSOR TO BE REMOVED COMPLETE.
- 11 PROTECT EXISTING TELECOM SERVICE TO THE FIELDHOUSE.
- 12 EXISTING LIGHTING TO BE REMOVED IN THIS CORRIDOR. EXISTING CIRCUIT
- 13 TO REMAIN FOR CORRIDOR LIGHTING. REMOVE EXISTING LIGHTING
- 14 TRANSFORMER FOR PANEL PAA TO BE REMOVED COMPLETE.
- 15 EXISTING PLUMBS, STARTERS, FEEDERS TO BE REMOVED COMPLETE BACK
- 16 TO SOURCE.
- 17 REMOVE POWER AND CONTROL TO (2) EXISTING AIR COOLED CHILLERS
- 18 COMPLETE BACK TO SOURCE. REFER TO MECHANICAL DRAWINGS.
- 19 EXISTING PANEL TO REMAIN.
- 20 PANEL PAA TO BE REMOVED AND REPLACED.
- 21 REMOVE WIRE TO BE RECONNECTED AND RECONNECTED TO ALLOW NEW
- 22 WIRE TO BE INSTALLED.
- 23 DISCONNECT AND REMOVE STARTER AND FEEDER TO EXISTING AHU
- 24 AND RECONNECT TO NEW AHU.
- 25 EXISTING RECEPTABLE AND WIREMOLD TO BE REMOVED. EXISTING
- 26 CIRCUIT TO REMAIN ABOVE THE CEILING FOR EXTENSION TO NEW
- 27 DEVICES. REFER TO NEW WORK ON POWER AND SYSTEMS PLANS FOR
- 28 ADDITIONAL INFORMATION.



1 E - ELECTRICAL DEMOLITION PLAN - UNIT C  
1/8" = 1'-0"



FIRE ALARM SYSTEM DEMOLITION NOTES:

- A. REMOVE COMPLETE THE EXISTING FIRE ALARM SYSTEM IN THE MIDDLE SCHOOL/HIGH SCHOOL UNITS  
B.C.D.E.F.G.H.I.K.L. AND THE ENTIRE ELEMENTARY SCHOOL.  
B. PROVIDE NEW FIRE ALARM SYSTEM THROUGHOUT THE EXISTING BUILDING AND REMODELED AREAS.

GENERAL DEMOLITION NOTES

(REQUIRED TO COMPLETE THE SCOPE OF WORK)

- A. REFER TO ELECTRICAL SYMBOLS & ABBREVIATIONS SHEET FOR ADDITIONAL INFORMATION.  
B. THIS DRAWING REPRESENTS INFORMATION OBTAINED FROM ORIGINAL CONTRACT DRAWINGS AND FIELD SURVEY. VERIFY BY ON-SITE OBSERVATION THE EXTENT OF WORK PRIOR TO SUBMISSION OF BID.  
C. CONTRACT DOCUMENTS CONSIST OF BOTH PROJECT MANUAL AND DRAWINGS AND ARE MEANT TO BE COMPLEMENTARY. ANYTHING APPEARING ON EITHER MUST BE EXECUTED THE SAME AS IF SHOWN ON BOTH.  
D. THOROUGHLY EXAMINE THE WORK OF OTHER CONTRACTORS AND PROPERLY INSTALL ALL WORK REQUIRED FOR THE PROJECT.  
E. COORDINATE AND DISCONNECT ALL ARCHITECTURAL, MECHANICAL, AND PLUMBING EQUIPMENT AS NOTED FOR REMOVAL BY OTHERS. REMOVE ALL ASSOCIATED ELECTRICAL EQUIPMENT, RACEWAYS, CONDUCTORS, ETC. SERVING THE EQUIPMENT.  
F. PROVIDE ALL CUTTING AND PATCHING AS REQUIRED FOR THE REMOVAL OF EXISTING ELECTRICAL EQUIPMENT. REFER TO SPECIFICATIONS.  
G. PROVIDE A BLANK COVERPLATE FOR ALL EXISTING WALL OPENINGS WHERE ELECTRICAL EQUIPMENT HAS BEEN REMOVED AND NOT REPLACED. IN AREAS RECEIVING NEW WALL TREATMENTS, PATCH THE EXISTING OPENING.  
H. REFER TO A, M, AND P-SERIES DRAWINGS FOR AREAS WITH ABOVE CEILING WORK AND/OR CEILING REMOVAL. TEMPORARILY SUPPORT ALL ELECTRICAL DEVICES, FIXTURES, ETC. AS REQUIRED. RE-INSTALL ELECTRICAL ITEMS FOLLOWING THE COMPLETION OF WORK IN THE NEW OR EXISTING CEILINGS.  
I. REFER TO ELECTRICAL ONE-LINE DIAGRAMS FOR ELECTRICAL EQUIPMENT TO BE DEMOLISHED.

PLAN NOTES

1. DIAGONAL HATCH INDICATES ROOM/AREA TO BE DEMOLISHED. CONTRACTOR TO REMOVE AND RELOCATE EXISTING LIGHTING FIXTURES WHERE SHOWN ON THE NEW LIGHTING PLANS AND REMOVE COMPLETE THE OTHER LIGHTING FIXTURES, LIGHTING CONTROL DEVICES, RECEPTACLES, PANEL BOARDS, POWER TO MECHANICAL AND/OR PLUMBING EQUIPMENT, FIRE ALARM DEVICES, ETC. IN HATCHED AREA BACK TO SOURCE COMPLETE, UNLESS NOTED OTHERWISE. REFER TO NEW WORK ON LIGHTING, POWER AND SYSTEMS SHEETS FOR ADDITIONAL INFORMATION.  
3. EXISTING AIR COMPRESSOR TO BE REMOVED COMPLETE.  
4. PROTECT EXISTING TELECOM SERVICE TO THE FIELDHOUSE.  
5. EXISTING LIGHTING TO BE REMOVED IN THIS CORRIDOR. EXISTING CIRCUIT SHALL REMAIN FOR CONNECTION TO NEW LIGHTING.  
6. TRANSFORMER FOR PANEL CPA TO BE REMOVED COMPLETE.  
7. EXISTING PUMPS, STARTERS, FEEDERS TO BE REMOVED COMPLETE BACK TO SOURCE.  
8. REMOVE POWER AND CONTROL TO (2) EXISTING AIR COOLED CHILLERS COMPLETE BACK TO SOURCE. REFER TO MECHANICAL DRAWINGS.  
9. EXISTING PANEL TO REMAIN.  
11. PANEL AAA TO BE REMOVED AND REPLACED.  
12. EXISTING VUV TO BE DISCONNECTED AND RECONNECTED TO ALLOW NEW WALL TO BE INSTALLED.  
14. DISCONNECT AND REMOVE STARTER AND FEEDER TO EXISTING AHU COMPLETE.  
15. EXISTING RECEPTACLE AND WIREMOLD TO BE REMOVED. EXISTING CIRCUIT TO REMAIN ABOVE THE CEILING FOR EXTENSION TO NEW DEVICES. REFER TO NEW WORK ON POWER AND SYSTEMS PLANS FOR ADDITIONAL INFORMATION.



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731 Brent St. #203, Louisville, KY 40204

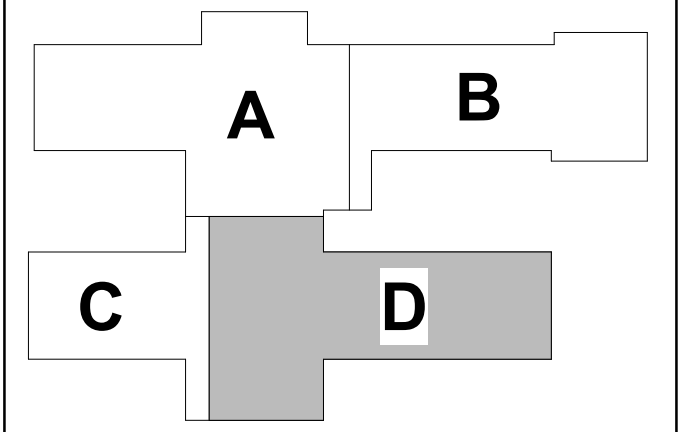
Project No. 2022-086.TGR  
Project Date 08.15.2023  
Produced DGS



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#	Revision	Date
	ADDENDUM 7	10-13-2023

4223 W 350 N  
Kokomo, IN 46901



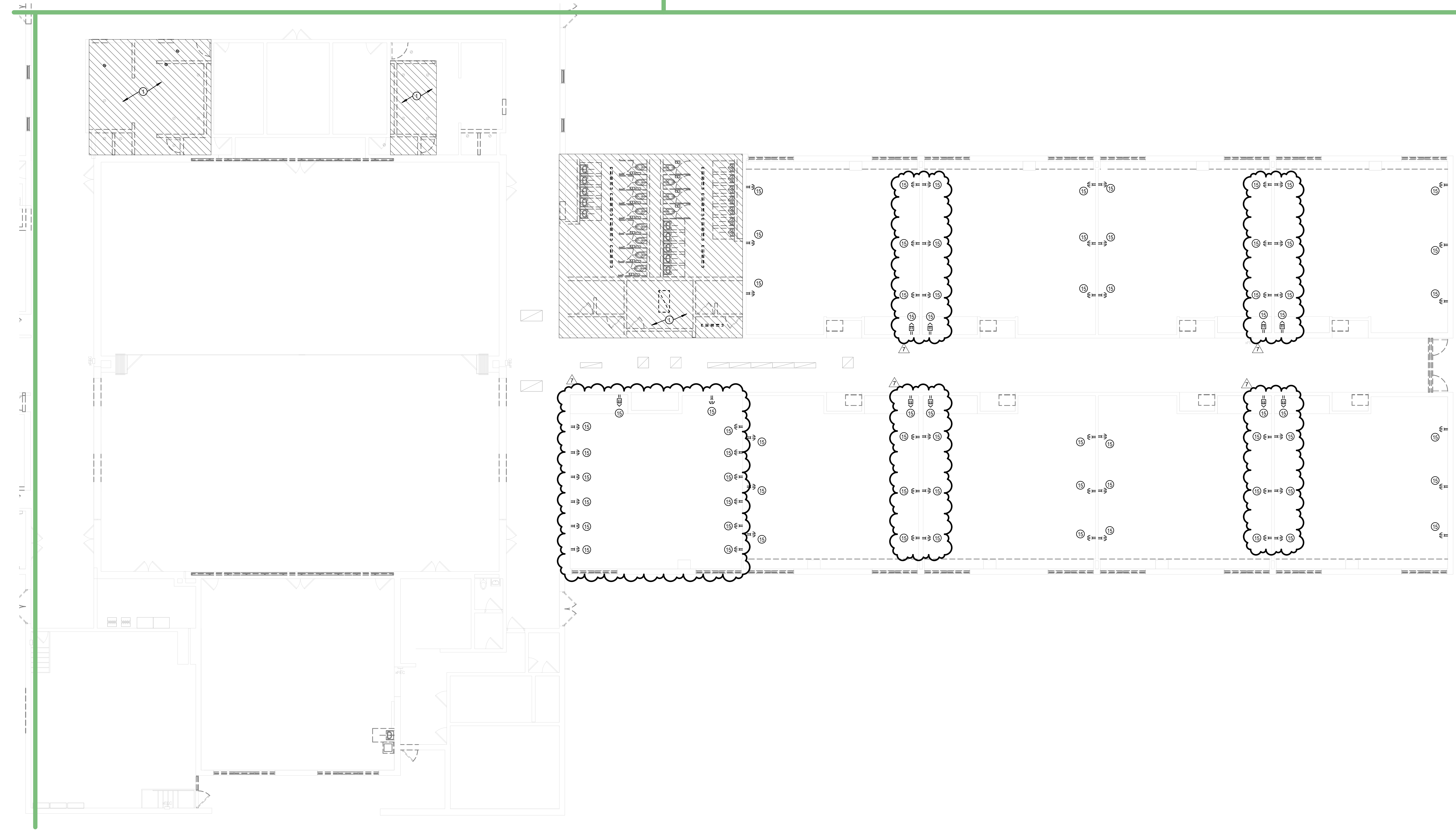
KEY PLAN

**NORTHWESTERN SCHOOL CORPORATION**



**NORTHWESTERN ELEMENTARY SCHOOL**

1 - ELECTRICAL DEMOLITION PLAN - UNIT D  
1-ED1D1



1 E - ELECTRICAL DEMOLITION PLAN - UNIT D  
1/8" = 1'-0"

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20230815-104 NORTHWESTERN SCHOOL CORPORATION  
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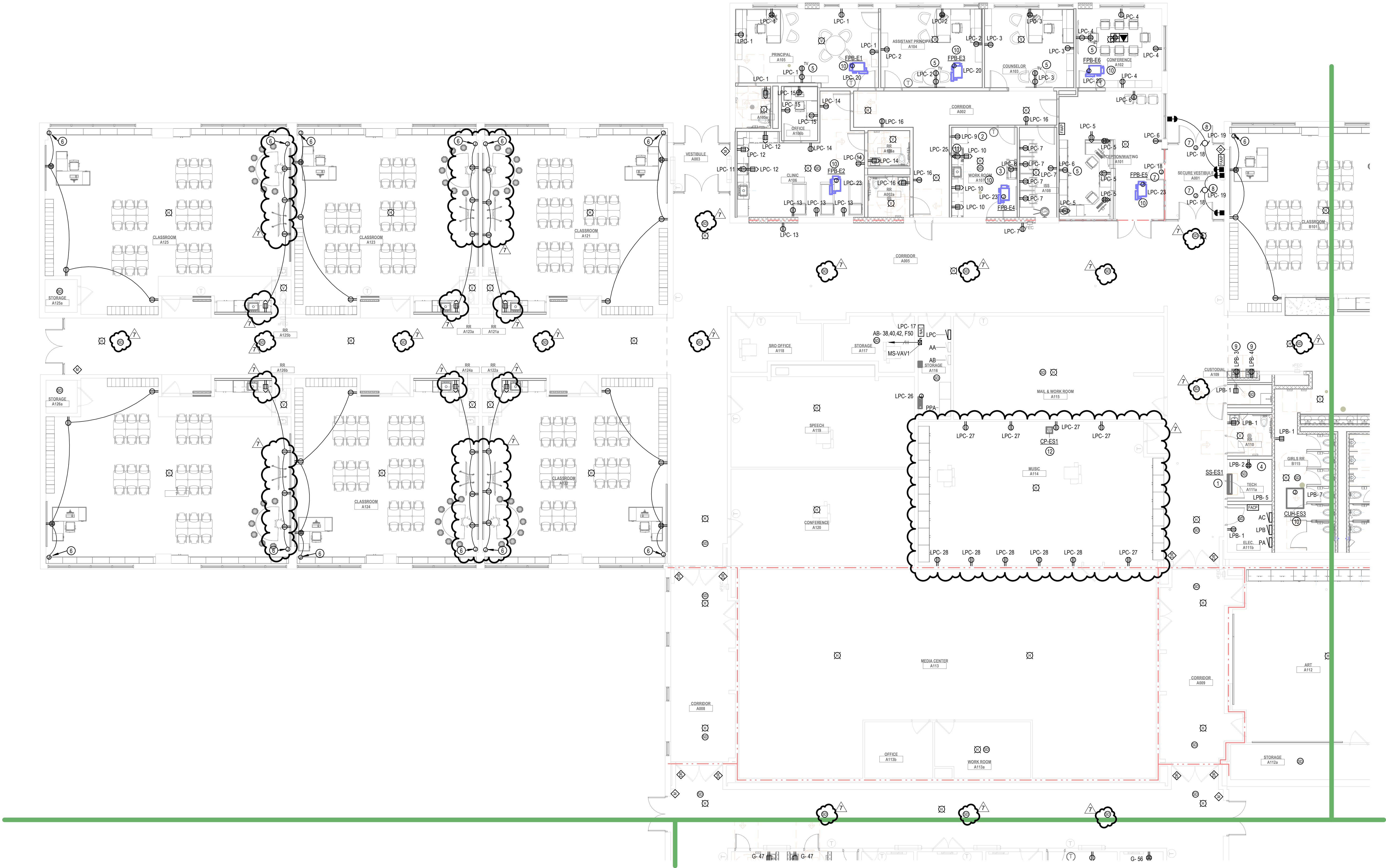
E D C B A

GENERAL POWER SYSTEMS NOTES

- A. REFER TO ELECTRICAL SYMBOLS & ABBREVIATIONS SHEET FOR ADDITIONAL INFORMATION.  
B. NEW ELECTRICAL DEVICES SHOWN TO BE INSTALLED ON EXISTING BLOCK WALLS / CEILINGS TIGHT TO STRUCTURE SHALL BE INSTALLED SURFACE MOUNTED AND IN SURFACE MOUNTED WIREMOLD PAINTED TO MATCH WALLS AND CEILINGS. WIREMOLD SHALL BE INSTALLED NEATLY AND AT RIGHT ANGLES TO STRUCTURE. WHEN POSSIBLE ROUTE VERTICAL WIREMOLD IN CORNERS THEN TO DEVICE / FIXTURE. WIREMOLD SHALL BE INSTALLED TO MINIMIZE LENGTH. REFER TO ARCHITECTURAL FLOOR PLANS AND REFLECTED CEILING PLANS FOR ADDITIONAL INFORMATION. CONFIRM EXACT WIREMOLD ROUTING WITH ARCHITECT PRIOR TO INSTALLATION.  
C. PROVIDE NEW FIRE ALARM SYSTEM THROUGHOUT THE EXISTING BUILDING AND REMODELED AREAS.

PLAN NOTES

1. INDOOR UNIT POWERED BY THE OUTDOOR UNIT. PROVIDE WIRING BETWEEN THE INDOOR UNIT AND OUTDOOR UNIT PER MANUFACTURER'S RECOMMENDATIONS. PROVIDE DISCONNECT SWITCH AT INDOOR UNIT AS REQUIRED.  
2. RECEPTACLE FOR REFRIGERATOR. CIRCUIT PROTECTED BY GFCI BREAKER.  
3. RECEPTACLE FOR COPIER.  
4. QUADRIPOLEX RECEPTACLE FOR AV RACK. COORDINATE MOUNTING LOCATION WITH T-SERIES DRAWINGS.  
5. RECEPTACLE FOR TV. COORDINATE MOUNTING HEIGHT WITH A-SERIES DRAWINGS.  
6. EXTEND EXISTING CIRCUIT THAT SERVED RECEPTACLES THAT WERE REMOVED TO NEW DEVICES SHOWN. WHERE NEW DEVICES ARE BEING INSTALLED ON EXISTING BLOCK WALLS, INSTALL DEVICES SURFACE MOUNTED IN NEW SURFACE MOUNTED TWO-COMPARTMENT WIREMOLD TO ALLOW POWER AND DATA TO BE INSTALLED.  
7. POWER TO CARD ACCESS SYSTEM CONTROL. PANEL ABOVE CEILING. PROVIDE TOGGLE SWITCH DISCONNECT.  
8. AUTOMATIC DOOR. PROVIDE TOGGLE SWITCH DISCONNECT. INSTALL PUSHBUTTON CONTROL AND ALL CONTROL WIRING AS REQUIRED.  
9. RECEPTACLE FOR ELECTRIC WATER COOLER. COORDINATE LOCATION WITH MANUFACTURER PRIOR TO INSTALLATION. CIRCUIT PROTECTED BY GFCI BREAKER.  
10. DISCONNECT SWITCH PROVIDED WITH UNIT.  
11. RECEPTACLE FOR ICE MACHINE. CIRCUIT PROTECTED BY GFCI BREAKER.  
12. CRIC PUMP POWERED BY AHU-ES1. SEE ELECTRICAL ROOF PLAN FOR ADDITIONAL INFORMATION.



  
**SCHMIDT ASSOCIATES**  
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415 Massachusetts Ave., Indianapolis, IN 46204  
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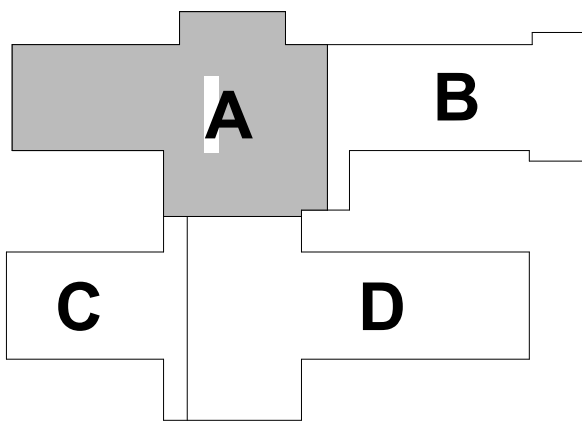
Project No. 2022-086.TGR  
Project Date 08.15.2023  
Produced DGS



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#	Revision	Date
	ADDENDUM 7	10-13-2023

4223 W 350 N  
Kokomo, IN 46901



KEY PLAN

**NORTHWESTERN SCHOOL CORPORATION**  
  
NORTHWESTERN ELEMENTARY SCHOOL

1 - POWER AND SYSTEMS PLAN - UNIT A

1-EP1A1

6 5 4 3 2 1

1-EP1A1 - 1 - POWER AND SYSTEMS PLAN - UNIT A  
DESIGNED BY: NORTHWESTERN SCHOOL CORPORATION, INDIANAPOLIS, IN  
DRAWN BY: SCHMIDT ASSOCIATES, INDIANAPOLIS, IN  
DATE: 08/15/2023 12:27:48 PM



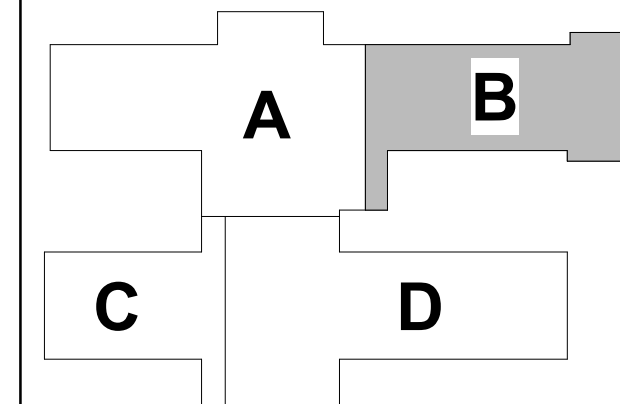
Project No. 2022-086.TGR  
Project Date 08.15.2023  
Produced DGS



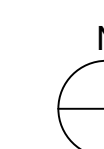
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#	Revision	Date
	ADDENDUM 7	10-13-2023

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Kokomo, IN 46901



## KEY PLAN



NORTHWESTERN  
SCHOOL  
CORPORATION



NORTHWESTERN  
ELEMENTARY SCHOOL

1 - POWER AND SYSTEMS  
PLAN - UNIT B

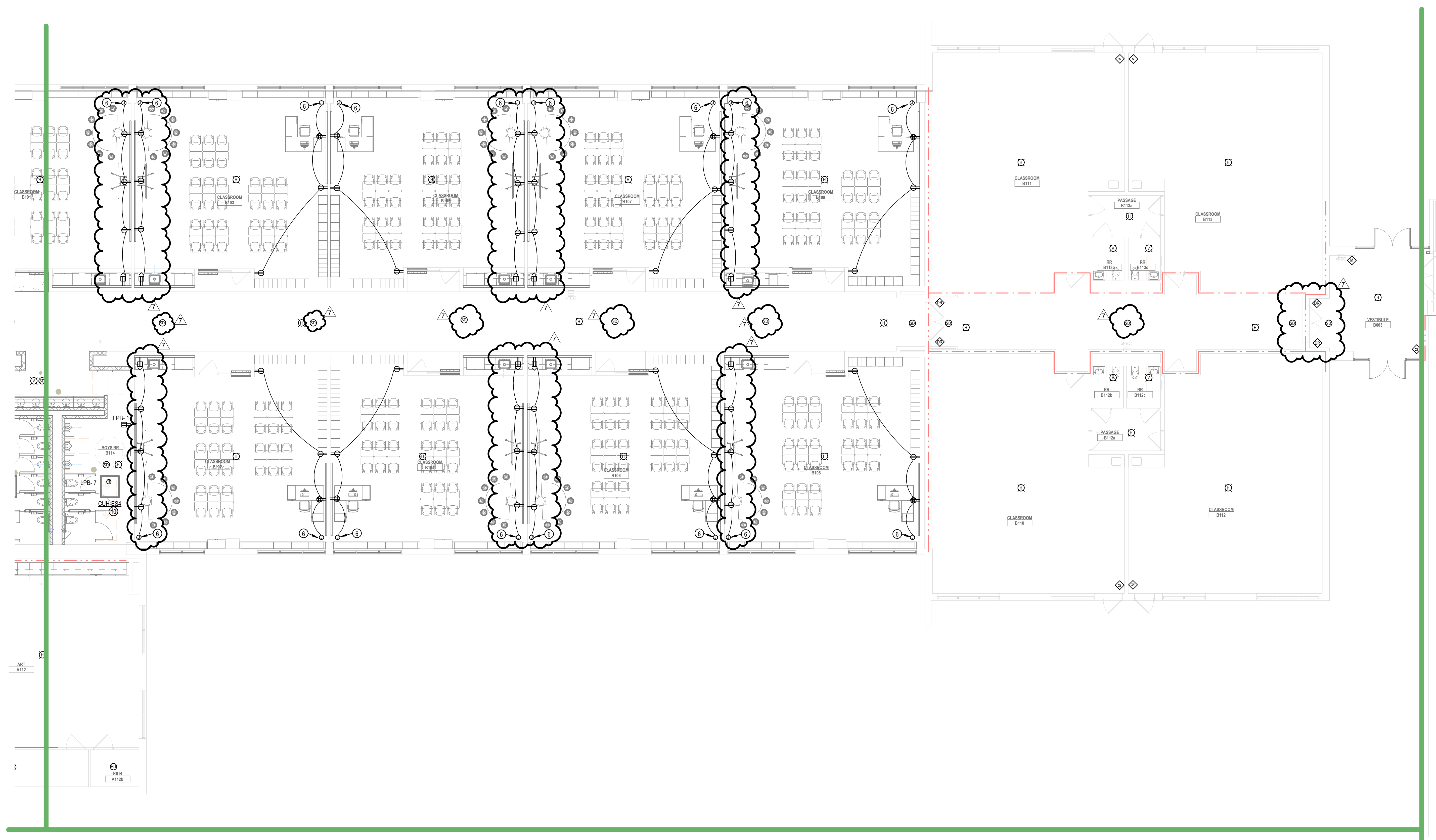
1-EP1B1

## GENERAL POWER SYSTEMS NOTES

- A. REFER TO ELECTRICAL SYMBOLS & ABBREVIATIONS SHEET FOR ADDITIONAL INFORMATION.
- B. NEW ELECTRICAL DEVICES SHOWN TO BE INSTALLED ON EXISTING BLOCK WALLS / CEILINGS TIGHT TO STRUCTURE SHALL BE INSTALLED SURFACE MOUNTED AND IN SURFACE MOUNTED WIREMOLD PAINTED TO MATCH WALLS AND CEILINGS. WIREMOLD SHALL BE INSTALLED NEATLY AND AT RIGHT ANGLES TO STRUCTURE, WHEN POSSIBLE ROUTE VERTICAL WIREMOLD IN CORNERS THEN TO DEVICE / FIXTURE. WIREMOLD SHALL BE INSTALLED TO MINIMIZE LENGTH. REFER TO ARCHITECTURAL FLOOR PLANS AND CEILING PLANS FOR ADDITIONAL INFORMATION. CONFIRM EXACT WIREMOLD ROUTINGS WITH ARCHITECT PRIOR TO INSTALLATION.
- C. PROVIDE NEW FIRE ALARM SYSTEM THROUGHOUT THE EXISTING BUILDING AND REMODELED AREAS.

### PLAN NOTES

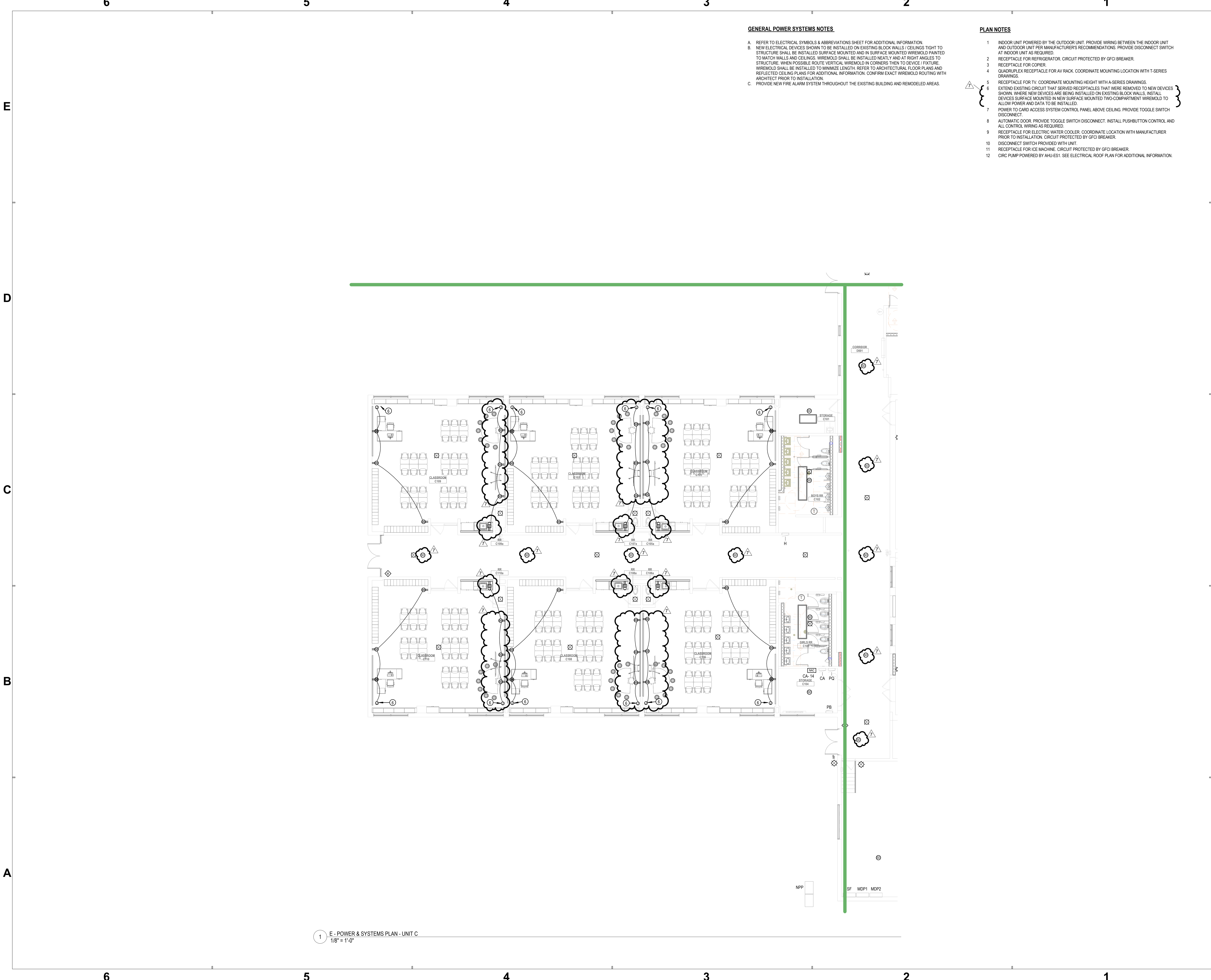
- 1 INDOOR UNIT POWERED BY THE OUTDOOR UNIT. PROVIDE WIRING BETWEEN THE INDOOR UNIT AND OUTDOOR UNIT PER MANUFACTURER'S RECOMMENDATIONS. PROVIDE DISCONNECT SWITCH AT INDOOR UNIT AS REQUIRED.
- 2 RECEPTACLE FOR REFRIGERATOR. CIRCUIT PROTECTED BY GFCI BREAKER.
- 3 RECEPTACLE FOR COFFEE.
- 4 QUADRUPOLE RECEPTACLE FOR AV RACK. COORDINATE MOUNTING LOCATION WITH I-SERIES DRAWINGS.
- 5 RECEPTACLE FOR TV. COORDINATE MOUNTING HEIGHT WITH A SERIES DRAWINGS.
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- 7 POWER TO CAR ACCESS SYSTEM CONTROL PANEL ABOVE CEILING. PROVIDE TOGGLE SWITCH DISCONNECT.
- 8 AUTOMATIC DROU. INSTALL SWITCH SWITCH DISCONNECT. INSTALL PUSHBUTTON CONTROL AND ALL CONTROL WIRING AS REQUIRED.
- 9 RECEPTACLE FOR ELECTRIC WATER COOLER. COORDINATE LOCATION WITH MANUFACTURER PRIOR TO INSTALLATION. CIRCUIT PROTECTED BY GFCI BREAKER.
- 10 DISCONNECT SWITCH PROVIDED WITH UNIT.
- 11 RECEPTACLE FOR ICE MACHINE. CIRCUIT PROTECTED BY GFCI BREAKER.
- 12 CIR. C/PUMP POWERED BY AHU-51. SEE ELECTRICAL R/O PLAN FOR ADDITIONAL INFORMATION.



1 E - POWER & SYSTEMS PLAN - UNIT B  
1/8" = 1'-0"



1-EP1C1 - 1 - POWER AND SYSTEMS PLAN - UNIT C  
DESIGNED BY SCHMIDT ASSOCIATES, INC. (S.A.)  
DRAWING NO. 1-EP1C1  
DATE: 08/15/2023  
BY: J. H. HARRIS  
CHECKED BY: J. H. HARRIS  
APPROVED BY: J. H. HARRIS



1 E - POWER & SYSTEMS PLAN - UNIT C  
1/8" = 1'-0"

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731 Brent St. #203, Louisville, KY 40204

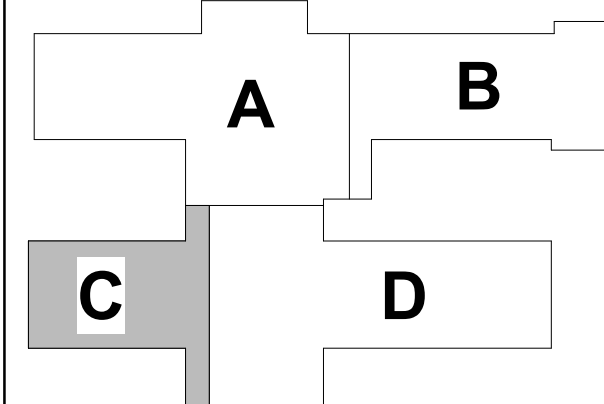
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Project Date 08.15.2023  
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Kokomo, IN 46901



KEY PLAN

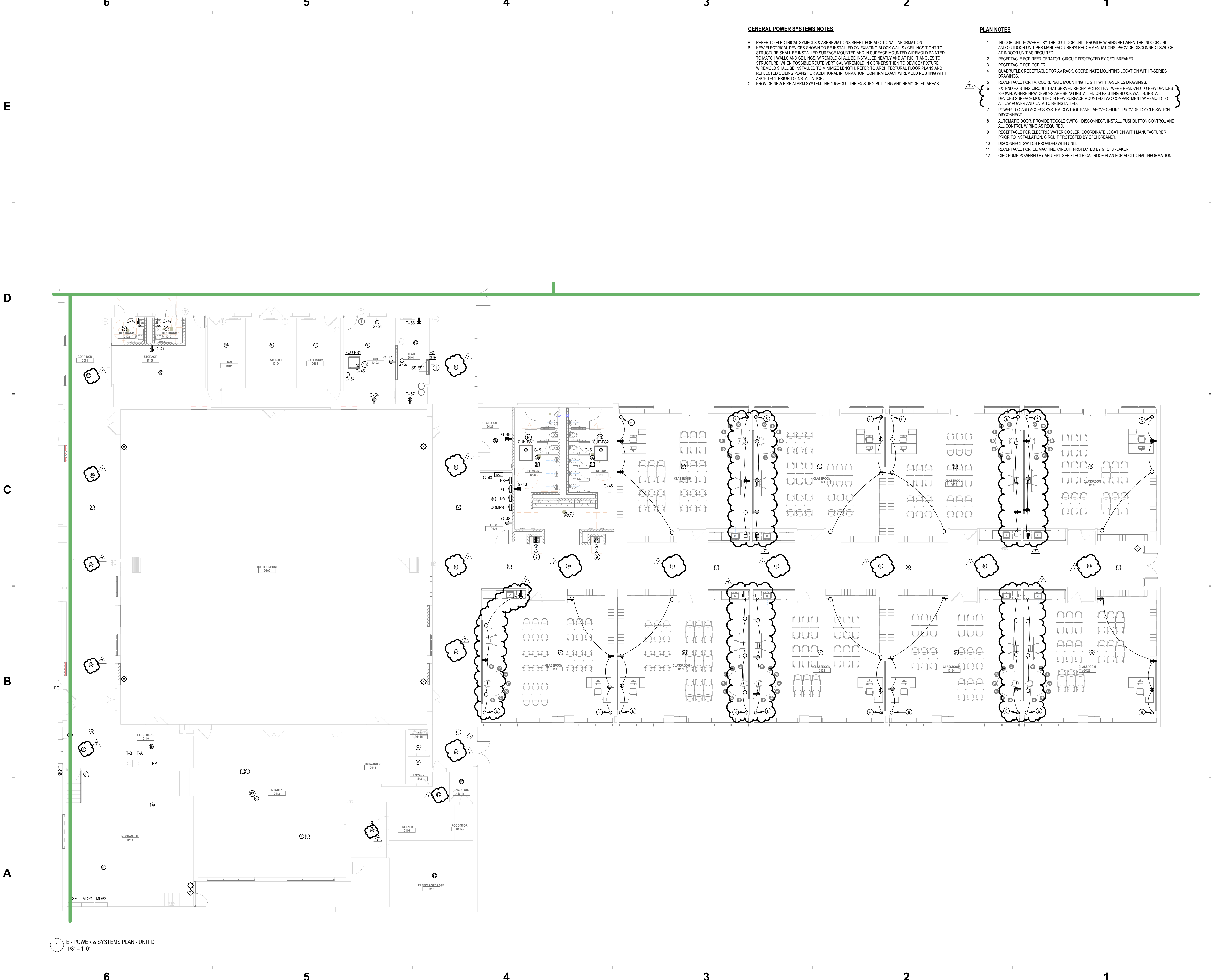
**NORTHWESTERN SCHOOL CORPORATION**  
  
**NORTHWESTERN ELEMENTARY SCHOOL**

1 - POWER AND SYSTEMS PLAN - UNIT C

1-EP1C1



1-EP1D1 - 1 - POWER AND SYSTEMS PLAN - UNIT D  
DESIGNED BY: NORTHWESTERN SCHOOL CORPORATION  
DRAWN BY: J. J. JENSEN  
CHECKED BY: J. J. JENSEN  
DATE: 08/15/2023



1 E - POWER & SYSTEMS PLAN - UNIT D  
1/8" = 1'-0"

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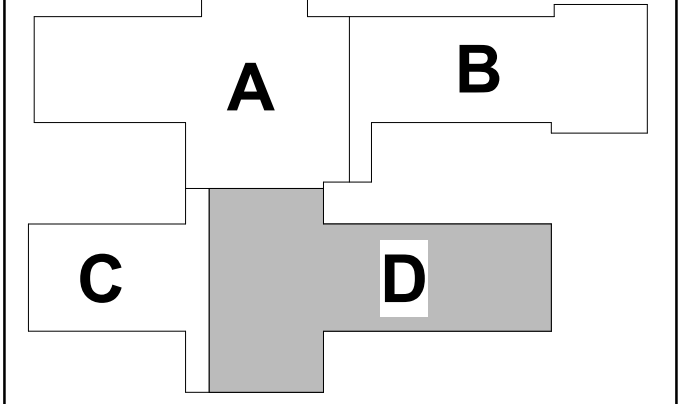
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Kokomo, IN 46901



KEY PLAN

**NORTHWESTERN SCHOOL CORPORATION**



**NORTHWESTERN ELEMENTARY SCHOOL**

1 - POWER AND SYSTEMS PLAN - UNIT D

1-EP1D1



1-601 - 1 - LIGHTING SCHEDULES  
2023081014 NORTHWESTERN ES, MS, AND HS DEMOLITION LIGHT FIXTURE SCHEDULE  
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E

D

C

B

A

6

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4

3

2

1



NORTHWESTERN ELEMENTARY, MIDDLE, AND HIGH SCHOOLS LIGHT FIXTURE SCHEDULE						
FIXTURE TYPE	DESCRIPTION	LAMP	LUMENS	WATTAGE	CCT	ACCEPTABLE MANUFACTURERS
F1	2X4 LED FLAT PANEL, 0-10V DIMMING, MVOLT.	LED	5400	49 VA	5000K	METALUX 24FP COLUMBIA CFP24 LITHONIA CPX-2X4 KIO LIGHTING IK-BL24-50/40/30-354050-YLY
F4	4" LENSED LED STRIP LIGHT, SURFACE MOUNTED, 0-10V DIMMING, WHITE FINISH, MVOLT.	LED	5000	41 VA	5000K	METALUX SNLED COLUMBIA MPS LITHONIA ZL1D KIO LIGHTING IK-ST04-0040-40-J
F5	8" LENSED LED STRIP LIGHT, SURFACE MOUNTED, 0-10V DIMMING, WHITE FINISH, MVOLT.	LED	10000	92 VA	5000K	METALUX SNLED COLUMBIA MPS LITHONIA ZL1D KIO LIGHTING IK-ST08-0080-35-J
F6	6" ROUND LED DOWNLIGHT, SELF-FLANGED TRIM, MEDIUM DISTRIBUTION, 0-10V DIMMING, UL LISTED WET LOCATION, MVOLT.	LED	1500	15 VA	5000K	PORTFOLIO LD68 PRESCOLITE LF6SL LITHONIA LB68
F7	6" ROUND LED DOWNLIGHT, SELF-FLANGED TRIM, MEDIUM DISTRIBUTION, 0-10V DIMMING, UL LISTED WET LOCATION, MVOLT.	LED	3000	30 VA	5000K	PORTFOLIO LD68 PRESCOLITE LF6SL LITHONIA LB68
F8	4" WIDE, 4" HIGH EXTRUDED ALUMINUM LED, SUSPENDED, PROVIDE LENGTHS AS INDICATED ON DRAWINGS, PROVIDE SEAMLESS LENS, 0-10V DIMMING, MVOLT, 800 LUMENS/FT DIRECT, 600 LUMENS/FT INDIRECT.	LED	3800	39 VA	5000K	FOCAL POINT FSM4LS LITECONTROL 4L-P-1D MARK LIGHTING S2PHD-80CRI-40K-800LMF
F9	4" WIDE, 4" HIGH EXTRUDED ALUMINUM LED, RECESSED, PROVIDE LENGTHS AS INDICATED ON DRAWINGS, PROVIDE SEAMLESS LENS, 0-10V DIMMING, MVOLT, 600 LUMENS/FT.	LED	3800	39 VA	5000K	FOCAL POINT FSM4LS LITECONTROL 4L-R-1D MARK LIGHTING SL4L-RLP-80CRI-35K-600LMF
F10	4" LED VAPORTIGHT FIXTURE, FIBERGLASS HOUSING, STAINLESS STEEL LATCHES, UL LISTED WET LOCATION, MVOLT.	LED	3000	24 VA	5000K	METALUX 4V12 COLUMBIA LKEM4 LITHONIA CSVT KIO LIGHTING IK-VP04-60W-35/40/50K-G
F11	72 INCH LED EGRESS LIGHT, WET LOCATION LISTED, FINISH SELECTION BY ARCHITECT FROM STANDARD AVAILABLE FINISH, 5000K, MVOLT, 90 MIN. EMERGENCY BATTERY.	LED	3300	30 VA		STARTEK HYDROD-6 NEW STAR GTW-MOD/72"-HA-1-140-UN-**-DM-EL LUMINAIRE LED AEL-72IN-PRD-30W-40K
F12	LED EGRESS LIGHT, DIE-CAST ALUMINUM HOUSING, HINGED DOOR FRAME, WET LOCATION LISTED, FINISH SELECTION BY ARCHITECT FROM STANDARD AVAILABLE FINISH, 5000K.	LED	4300	50 VA		MICROWATT EDISON ISS SPAULDING QSP LITHONIA WSQ
F13	4" LENSED LED STRIP LIGHT, WHITE STEEL HOUSING, HIGH IMPACT FROSTED POLYCARBONATE LENS, PROVIDE EXTERNAL OC FOR FIXTURES INDICATED ON THE LIGHTING PLANS, MVOLT, 5000K.	LED	5500	46 VA	<varies>	FAIL-SAFE - RYSL4 NEW STAR VC-4-IN-1-2-40-1C-RW-UN-WH-DM LUMINAIRE LED VP04
F14	2" LED VAPORTIGHT FIXTURE, FIBERGLASS HOUSING, STAINLESS STEEL LATCHES, UL LISTED WET LOCATION, MVOLT, 5000K	LED	3000	26 VA		METALUX 2V12 COLUMBIA LKEM2 LITHONIA CSVT KIO LIGHTING IK-VP02-30W-35/40/50K-G
F15	LINEAR DIRECT/INDIRECT ACOUSTIC FIXTURE, SUSPENDED, PROVIDE LENGTHS AS INDICATED ON DRAWINGS, WHITE FINISH, ARCTIC WHITE ACOUSTIC, 900 LUMENS/FT.	LED	900	60 VA	5000K	ALIGHT - AB7 \$20,000 COST ALLOWANCE FOR MATERIAL ONLY, ADD LABOR REQUIRED
R-F1	EXISTING RELOCATED 2X4 LED FLAT PANEL, MVOLT.	LED	5400	49 VA	5000K	ENERGY HARNESS EHF-PANBL-2X4-50-277-CDM
R-F3	EXISTING RELOCATED 2X2 LED FLAT PANEL, MVOLT.	LED	3000	30 VA	5000K	ENERGY HARNESS EHF-PANBL-2X2-35-277-CDM
R-F4	EXISTING RELOCATED 4" LENSED LED STRIP LIGHT, MVOLT.	LED	5000	41 VA	5000K	
S1	DAWN TO DUSK POLE MOUNTED FIXTURE FOR LIGHTING OF PLAYGROUND, MVOLT, 5000K, SQUARE ALUMINUM POLE, POLE HEIGHT 25'-0". FINISH SHALL MATCH EXISTING, PROVIDE WITH HOUSE SIDE SHIELD.	LED	10000	73 VA		COOPER LIGHTING PRV-PAZA-750-U-T4W-SA-XX-PR-HSS BEACON PRODUCTS VP-11-**-1-K7-**-JUNV-**-** LITHONIA RSX1-LED-P2-40K-R3-HS
S2	FLAGPOLE FLOODLIGHT, STATIC WHITE, MVOLT, 5000K	LED	5600	65 VA		COOPER LIGHTING INVUE VFS KIM LIGHTING KFL2/24L-45/4K7/MUNV1/**** HYDREL S4F14
X1	EXIT SIGN, SINGLE FACE, UNIVERSAL MOUNTING, PROVIDE DIRECTIONAL ARROWS AS INDICATED ON FLOOR PLANS, GREEN LETTERS, MVOLT.	LED		4 VA		SURELITES CX DUAL-LITE SE LITHONIA LE
X2	EXIT SIGN, DUAL FACE, UNIVERSAL MOUNTING, PROVIDE DIRECTIONAL ARROWS AS INDICATED ON FLOOR PLANS, GREEN LETTERS, MVOLT.	LED		4 VA		SURELITES CX DUAL-LITE SE LITHONIA LE
X-EM	WALL MOUNTED EMERGENCY LIGHT WITH WHITE THERMOPLASTIC HOUSING, TWO LED LAMPS, NI-CAD BATTERY, SELF DIAGNOSTICS, MVOLT.	LED	500	5 VA		LITHONIA - EL-MQ2 EVENLITE - TEBL3W DUAL-LITE - EV BIG BEAM - S85M

NOTES:

1. ALL LIGHT FIXTURES SPECIFIED SHALL DIM TO 1%.

NORTHWESTERN ES, MS, AND HS DEMOLITION LIGHT FIXTURE SCHEDULE		
FIXTURE TYPE	DESCRIPTION	Count
D-1	DEMO 2X4	533
D-2	DEMO 2" STRIP LIGHT	4
D-4	DEMO 4" STRIP LIGHT	84
D-5	DEMO VANITY LIGHT	2
D-6	DEMO 6" DOWNLIGHT	51
D-7	DEMO SUSPENDED 12" DIA. LIGHT	14
D-EM	DEMO WALL MOUNTED EMERGENCY LIGHT	7
D-X1	DEMO SINGLE FACE EXIT SIGN	18
D-X2	DEMO DUAL FACE EXIT SIGN	1
E-1	EXISTING TO REMAIN 2X4	59
E-2	EXISTING TO REMAIN 1X4	7
E-3	EXISTING TO REMAIN 2X2	39
E-4	EXISTING TO REMAIN 4" STRIP LIGHT	10
E-6	EXISTING TO REMAIN 6" DOWNLIGHT	16
E-EM	EXISTING TO REMAIN WALL MOUNTED EMERGENCY LIGHT	3
E-X1	EXISTING TO REMAIN SINGLE FACE EXIT SIGN	6
E-X2	EXISTING TO REMAIN DUAL FACE EXIT SIGN	3



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ASSOCIATES

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415 Massachusetts Ave., Indianapolis, IN 46204  
731 Brent St. #203, Louisville, KY 40204

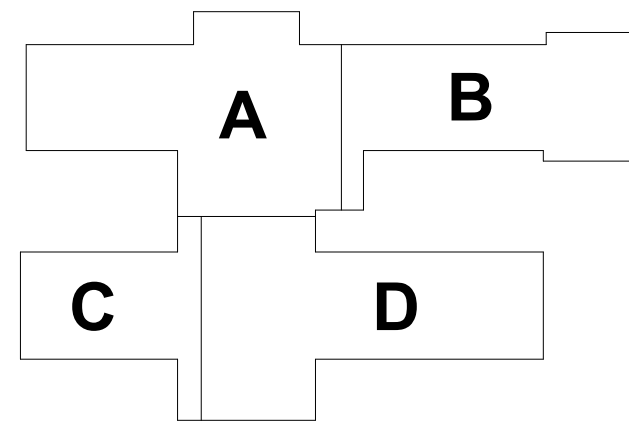
Project No. 2022-086.TGR  
Project Date 08.29.2023  
Produced DGS



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#	Revision	Date
	ADDENDUM 2	09-19-2023
	ADDENDUM 3	09-21-2023
	ADDENDUM 5	09-29-2023
	ADDENDUM 7	10-13-2023

4223 W 350 N  
Kokomo, IN 46901



KEY PLAN



**NORTHWESTERN  
SCHOOL  
CORPORATION**



**NORTHWESTERN  
ELEMENTARY SCHOOL**

1 - LIGHTING SCHEDULES

1-E-601







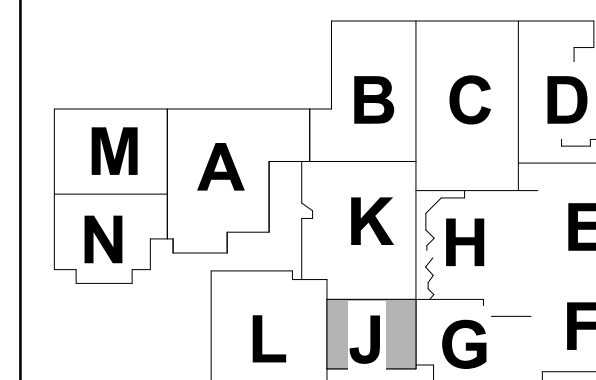
Project No. 2022-086.TGR  
Project Date 10.10.2023  
Produced DGS



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#	Revision	Date
	ADDENDUM 7	10-13-2023

3431 N 400 W  
Kokomo, IN 46901



## KEY PLAN



NORTHWESTERN  
SCHOOL  
CORPORATION



NORTHWESTERN HIGH  
SCHOOL / MIDDLE SCHOOL

2 - ELECTRICAL FIRST  
FLOOR DEMOLITION  
PLAN - UNIT J

2-ED1J1

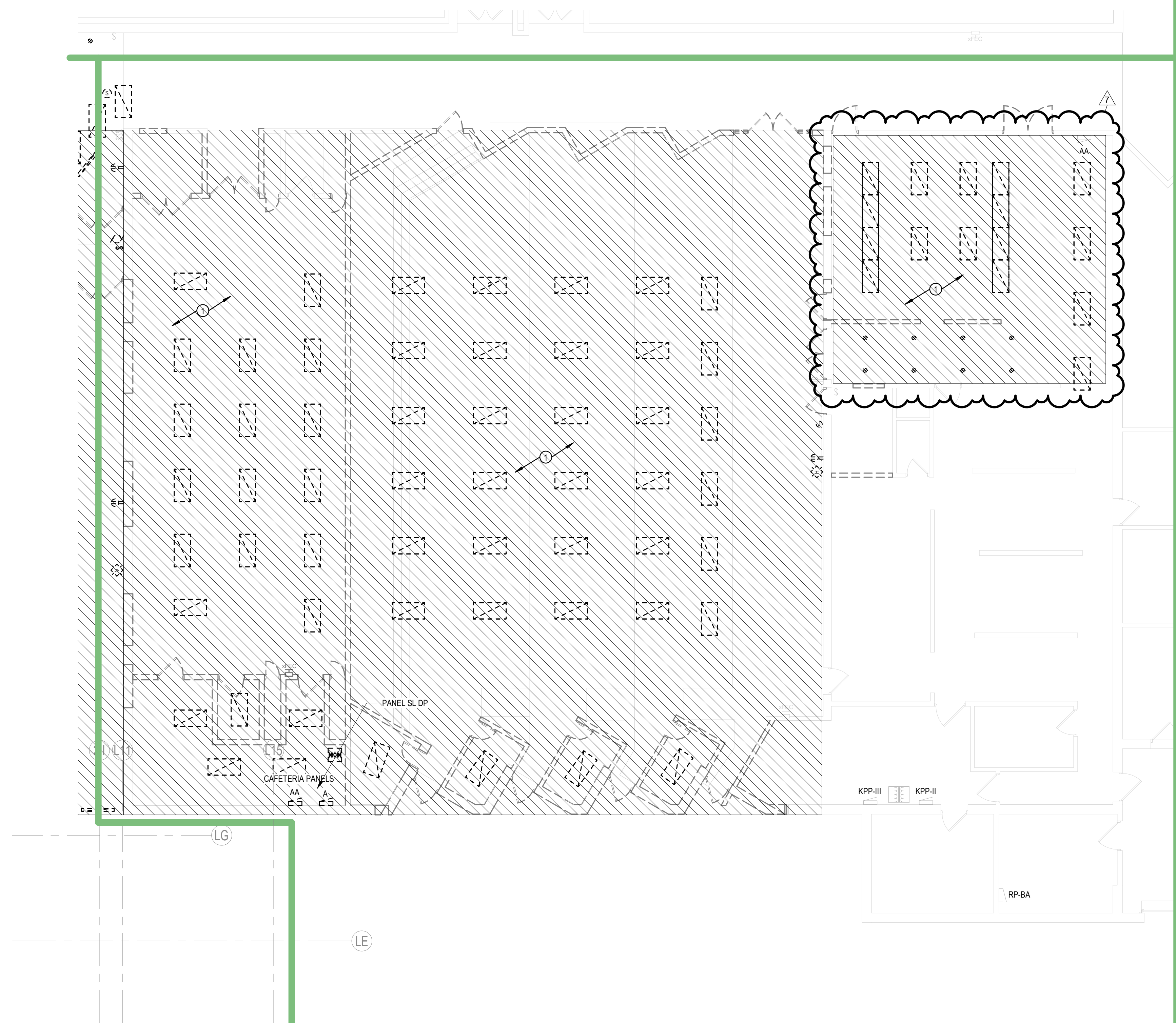
(REQUIRED TO COMPLETE THE SCOPE OF WORK)

- A. REFER TO ELECTRICAL SYMBOLS & ABBREVIATIONS SHEET FOR ADDITIONAL INFORMATION.
- B. THIS DRAWING REPRESENTS INFORMATION OBTAINED FROM ORIGINAL CONTRACT DRAWINGS AND FIELD SURVEY BY ON-SITE OBSERVATION. THE CONTRACTOR SHALL BE RESPONSIBLE TO SUBMIT A LIST OF BID CONTRACT DOCUMENTS COVERING BOTH PROJECT: MECHANICAL AND DRAWINGS AND ARE TO BE COMPLEMENTARY. ANYTHING APPEARING ON EITHER MUST BE EXECUTED THE SAME AS SHOWN ON BOTH.
- C. THOROUGHLY EXAMINE THE WORK OF OTHER CONTRACTORS AND PROPERLY INSTALL ALL WORK REQUIRED FOR THE PROJECT.
- D. COORDINATE AND DISCONNECT ALL ARCHITECTURAL, MECHANICAL, AND PLUMBING EQUIPMENT AS NOTED FOR REMOVAL BY OTHERS. REMOVE ALL ASSOCIATED ELECTRICAL EQUIPMENT, RACEWAYS, CONDUCTORS, ETC. SERVING THE EQUIPMENT.
- E. PROVIDE ALL CUTTING AND PATCHING AS REQUIRED FOR THE REMOVAL OF EXISTING ELECTRICAL EQUIPMENT. REFER TO SPECIFICATIONS FOR DETAILED INFORMATION.
- F. PROVIDE A BLANK COVERPLATE FOR ALL EXISTING WALL OPENINGS WHERE ELECTRICAL EQUIPMENT HAS BEEN REMOVED AND NOT REPLACED. IN AREAS RECEIVING NEW WALL TREATMENTS, PATCH THE EXISTING SURFACE.
- G. REFER TO A M. AND P-SERIES DRAWINGS FOR WALLS WITH ABOVE CEILING WORK AND/OR CEILING REMOVAL. TEMPORARILY SUPPORT ALL ELECTRICAL DEVICES, FIXTURES, ETC. AS REQUIRED. RE-INSTALL ELECTRICAL ITEMS FOLLOWING THE COMPLETION OF WORK IN THE NEW OR EXISTING CEILING. ONE (1) DAY AFTER THE COMPLETION OF THE WORK, THE CONTRACTOR SHALL RE-INSTALL THE

1. DISAGONAL HATCH INDICATES ROOMAREA TO BE DEMOLISHED. CONTRACTOR TO REMOVE AND RELOCATE EXISTING LIGHTING FIXTURES AND CHAIN SHOWN ON THE PLAN. CONTRACTOR TO REMOVE AND RELOCATE THE OTHER LIGHTING FIXTURES, LIGHTING CONTROL DEVICES, RECEPTACLES, PANELBOARDS, POWER TO MECHANICAL AND ELECTRICAL EQUIPMENT, FAN COILS, DEVICES ETC. HATCHED AREA BACK TO SOURCE COMPLETE, UNLESS NOTED OTHERWISE. REFER TO NEW WORK ON LIGHTING, POWER AND SYSTEMS SHEETS FOR ADDITIONAL INFORMATION.
2. EXISTING AIR COMPRESSOR TO BE REMOVED COMPLETE.
3. PROTECT EXISTING TELEPHONE SERVICE TO THE FIELDHOUSE.
4. EXISTING LIGHTING TO BE REMOVED IN THIS CORRIDOR. EXISTING CORRIDOR WALL REMAIN FOR CONFORMANCE WITH NEW LIGHTING.
5. TRANSFORMER FOR PANEL CP4A TO BE REMOVED COMPLETE.
6. EXISTING PLUMB, STARTERS, FEEDERS TO BE REMOVED COMPLETE BACK TO SOURCE.
7. REMOVE POWER AND CONTROL TO (2) EXISTING AIR COOLED CHILLERS COMPLETE BACK TO SOURCE. REFER TO MECHANICAL DRAWINGS.
8. EXISTING PANEL A TO REMAIN.
9. PANEL AAA TO BE REMOVED AND DEPIACHED.
10. EXISTING PANEL AAA TO BE DISCONNECTED AND RECONNECTED TO ALLOW NEW WALL TO BE INSTALLED.
11. DISCONNECT AND REMOVE STARTER AND FEEDER TO EXISTING AHU COILS COMPLETE.
12. EXISTING RECEPTACLE AND WIREMOLD TO BE REMOVED. EXISTING CIRCUIT TO REMAIN ABOVE THE CEILING FOR EXTENSION AND TIE IN. REFER TO NEW WORK ON POWER AND SYSTEMS PLANS FOR ADDITIONAL INFORMATION.

A. REMOVE COMPLETE THE EXISTING FIRE ALARM SYSTEM IN THE MIDDLE SCHOOL/HIGH SCHOOL UNIT, B, C, D, E, F, G, H, K, L AND THE ENTIRE ELEMENTARY SCHOOL.

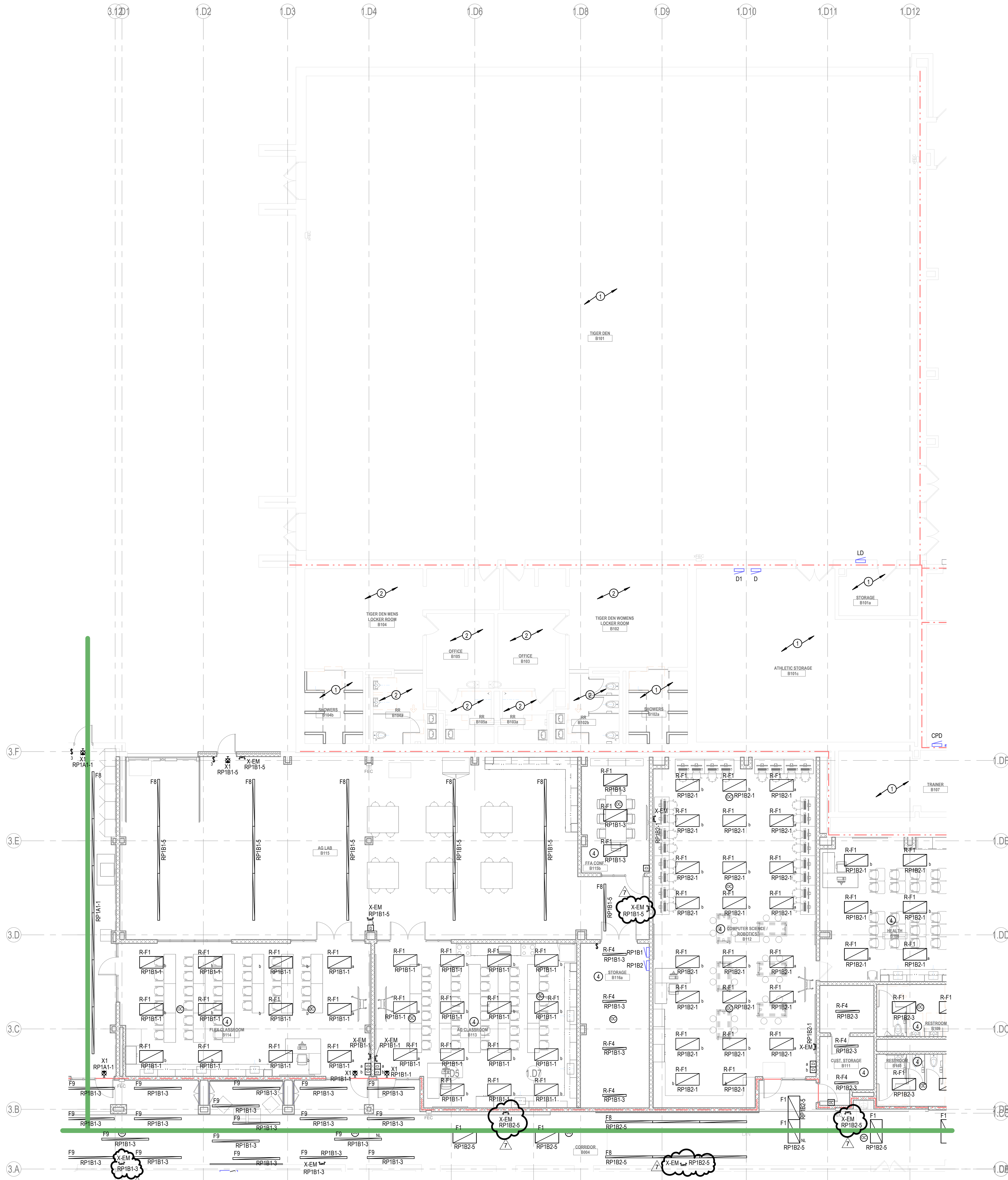
B. PROVIDE NEW FIRE ALARM SYSTEM THROUGHOUT THE EXISTING BUILDING AND REMODELED AREAS



1 H - ELECTRICAL FIRST FLOOR DEMOLITION PLAN - UNIT J  
1/8" = 1'-0"



243000 - 2 - 10000 LIGHTING PLAN - UNIT B  
243000 - 10000 LIGHTING PLAN - UNIT B  
243000 - 10000 LIGHTING PLAN - UNIT B  
243000 - 10000 LIGHTING PLAN - UNIT B



1 H - FIRST FLOOR LIGHTING PLAN - UNIT B  
1/8" = 1'-0"

GENERAL LIGHTING NOTES

- REFER TO ELECTRICAL SYMBOLS & ABBREVIATIONS, AND SCHEDULES SHEETS FOR ADDITIONAL INFORMATION.
- NEW LIGHTING DEVICES / LIGHTING FIXTURES SHOWN TO BE INSTALLED ON EXISTING BLOCK WALLS / CEILINGS: TIGHT TO STRUCTURE SHALL BE INSTALLED SURFACE MOUNTED AND IN SURFACE MOUNTED WIREMOLD PAINTED TO MATCH WALLS AND CEILINGS. WIREMOLD SHALL BE INSTALLED NEATLY AND AT RIGHT ANGLES TO STRUCTURE. WHEN POSSIBLE ROUTE VERTICAL WIREMOLD IN CORNERS THEN TO DEVICES / FIXTURES. WIREMOLD SHALL BE INSTALLED TO MINIMIZE LENGTH. REFER TO ARCHITECTURAL FLOOR PLANS AND REFLECTED CEILING PLANS FOR ADDITIONAL INFORMATION. CONFIRM EXACT WIREMOLD ROUTING WITH ARCHITECT PRIOR TO INSTALLATION.
- REUSE EXISTING LIGHT FIXTURES ANYWHERE THERE IS CEILING WORK. SOME EXCEPTIONS WILL BE NECESSARY FOR NEW SPECIALTY LIGHTING AREAS. SEE LIGHTING FIXTURE SCHEDULE FOR DETAILS.

PLAN NOTES

- ALL LIGHTING DEVICES AND FIXTURES IN THIS AREA ARE EXISTING TO REMAIN.
- EXISTING LIGHT FIXTURES IN THIS ROOM / AREA SHALL BE REINSTALLED IN NEW CEILING. MAINTAIN EXISTING CIRCUIT AND LIGHTING CONTROLS. REFER TO A-SERIES SHEETS FOR ADDITIONAL INFORMATION.
- INSTALL RETAINED LIGHT FIXTURES IN THIS ROOM / AREA TO NEW LOCATIONS AS SHOWN ON PLANS. CONNECT TO EXISTING LIGHTING CIRCUIT SERVING THE AREA. PROVIDE NEW LIGHTING CONTROL DEVICES AS REQUIRED.
- INSTALL RETAINED LIGHT FIXTURES IN THIS ROOM / AREA TO NEW LOCATIONS AS SHOWN ON PLANS. CONNECT TO CIRCUIT INDICATED. PROVIDE NEW LIGHTING CONTROL DEVICES AS REQUIRED.
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- WEATHER PROOF ELEVATOR HOISTWAY LIGHTING AND SWITCH. LIGHTING TO BE COORDINATED WITH ELEVATOR EQUIPMENT WITHIN HOISTWAY.
- CONNECT FIXTURE TO EXTERIOR LIGHTING CONTROLS.
- WALL SCONCES PROVIDED AND INSTALLED BY SERVING LINE MANUFACTURER.



**SCHMIDT**  
ASSOCIATES

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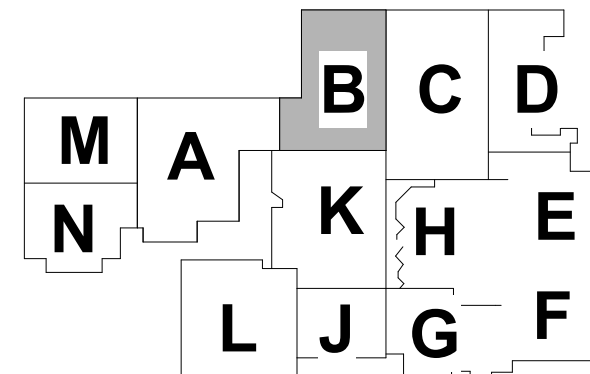
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#	Revision	Date
	ADDENDUM 2	09-19-2023
	ADDENDUM 7	10-13-2023

3431 N 400 W  
Kokomo, IN 46901



KEY PLAN

**NORTHWESTERN**  
**SCHOOL**  
**CORPORATION**

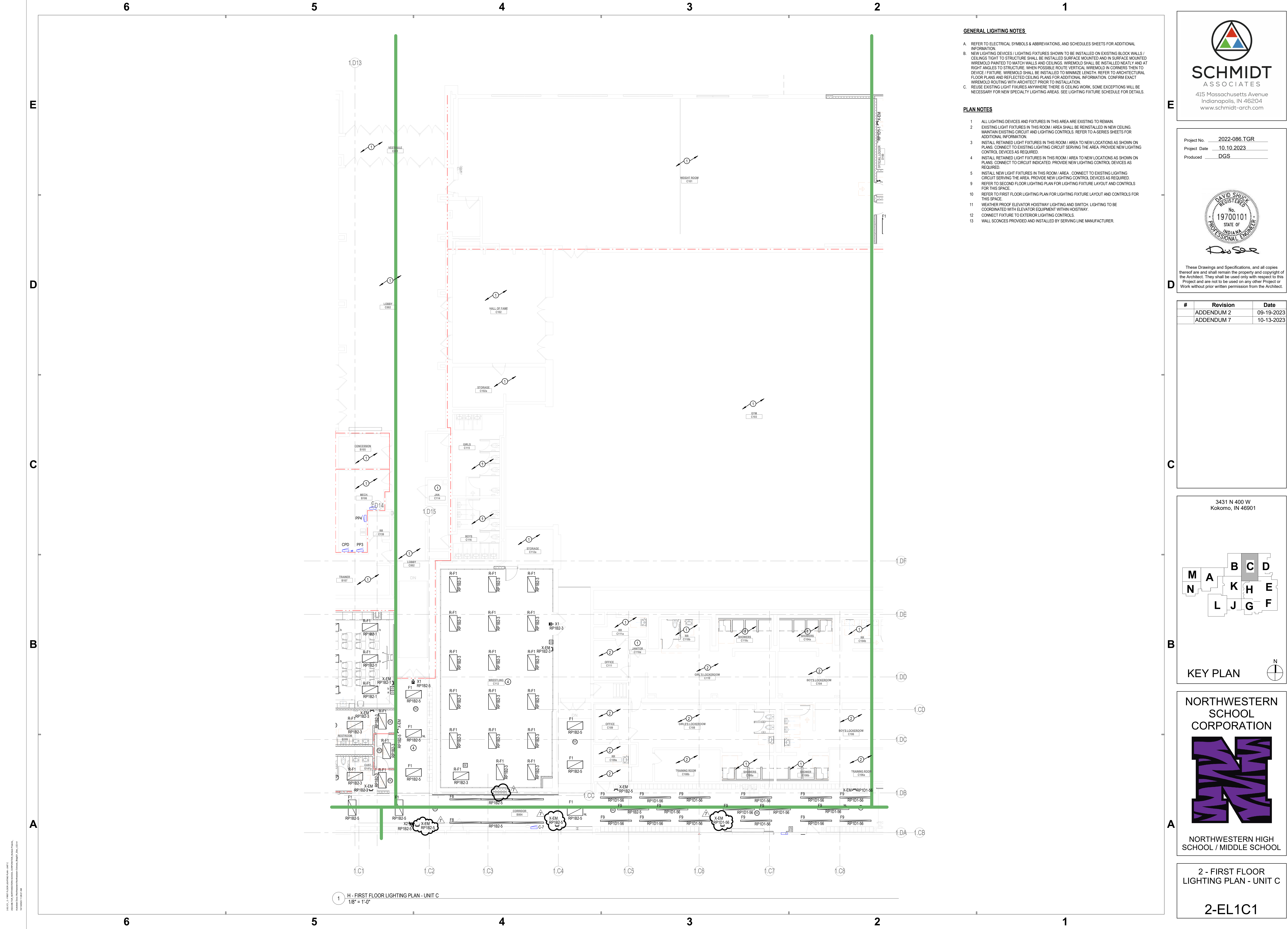


**NORTHWESTERN HIGH**  
**SCHOOL / MIDDLE SCHOOL**

**2 - FIRST FLOOR**  
**LIGHTING PLAN - UNIT B**

**2-EL1B1**





GENERAL LIGHTING NOTES

- A. REFER TO ELECTRICAL SYMBOLS & ABBREVIATIONS, AND SCHEDULE SHEETS FOR ADDITIONAL INFORMATION.
- B. NEW LIGHTING DEVICES / LIGHTING FIXTURES SHOWN TO BE INSTALLED ON EXISTING BLOCK WALLS / CEILING: TIGHT TO STRUCTURE SHALL BE INSTALLED SURFACE MOUNTED AND IN SURFACE MOUNTED WIREMOLD PAINTED TO MATCH WALLS AND CEILINGS. WIREMOLD SHALL BE INSTALLED NEATLY AND AT RIGHT ANGLES TO STRUCTURE. WHEN POSSIBLE ROUTE VERTICAL WIREMOLD IN CORNERS THEN TO DEVICE / FIXTURE. WIREMOLD SHALL BE INSTALLED TO MINIMIZE LENGTH. REFER TO ARCHITECTURAL FLOOR PLANS AND REFLECTED CEILING PLANS FOR ADDITIONAL INFORMATION. CONFIRM EXACT WIREMOLD ROUTING WITH ARCHITECT PRIOR TO INSTALLATION.
- C. REUSE EXISTING LIGHT FIXTURES ANYWHERE THERE IS CEILING WORK. SOME EXCEPTIONS WILL BE NECESSARY FOR NEW SPECIALTY LIGHTING AREAS. SEE LIGHTING FIXTURE SCHEDULE FOR DETAILS.

PLAN NOTES

- 1. ALL LIGHTING DEVICES AND FIXTURES IN THIS AREA ARE EXISTING TO REMAIN.
- 2. EXISTING LIGHT FIXTURES IN THIS ROOM / AREA SHALL BE REINSTALLED IN NEW CEILING. MAINTAIN EXISTING CIRCUIT AND LIGHTING CONTROLS. REFER TO A-SERIES SHEETS FOR ADDITIONAL INFORMATION.
- 3. INSTALL RETAINED LIGHT FIXTURES IN THIS ROOM / AREA TO NEW LOCATIONS AS SHOWN ON PLANS. CONNECT TO EXISTING LIGHTING CIRCUIT SERVING THE AREA. PROVIDE NEW LIGHTING CONTROL DEVICES AS REQUIRED.
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- 7. REFER TO FIRST FLOOR LIGHTING PLAN FOR LIGHTING FIXTURE LAYOUT AND CONTROLS FOR THIS SPACE.
- 8. WEATHER PROOF ELEVATOR HOISTWAY LIGHTING AND SWITCH. LIGHTING TO BE COORDINATED WITH ELEVATOR EQUIPMENT WITHIN HOISTWAY.
- 9. CONNECT FIXTURE TO EXTERIOR LIGHTING CONTROLS.
- 10. WALL SCONCES PROVIDED AND INSTALLED BY SERVING LINE MANUFACTURER.



**SCHMIDT ASSOCIATES**  
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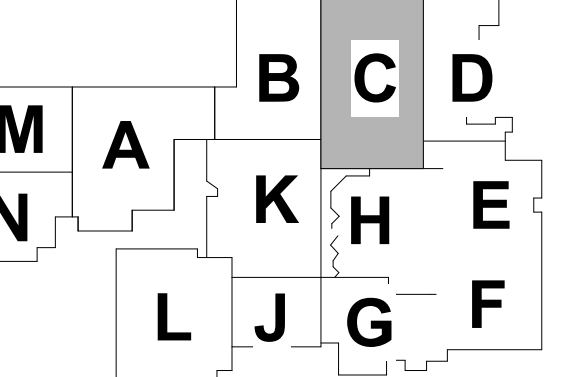
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#	Revision	Date
	ADDENDUM 2	09-19-2023
	ADDENDUM 7	10-13-2023

3431 N 400 W  
Kokomo, IN 46901



KEY PLAN

NORTHWESTERN SCHOOL CORPORATION



NORTHWESTERN HIGH SCHOOL / MIDDLE SCHOOL

2 - FIRST FLOOR  
LIGHTING PLAN - UNIT C

2-EL1C1

24372 - 2 - FIRST FLOOR LIGHTING PLAN - UNIT C  
2022-086.TGR  
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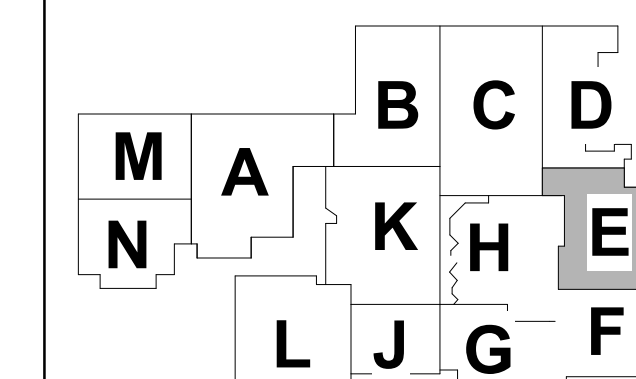
2-EL1D1





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#	Revision	Date
	ADDENDUM 7	10-13-2023



KEY PLAN 

NORTHWESTERN  
SCHOOL  
CORPORATION



NORTHWESTERN HIGH  
SCHOOL / MIDDLE SCHOOL

2 - FIRST FLOOR  
LIGHTING PLAN - UNIT E

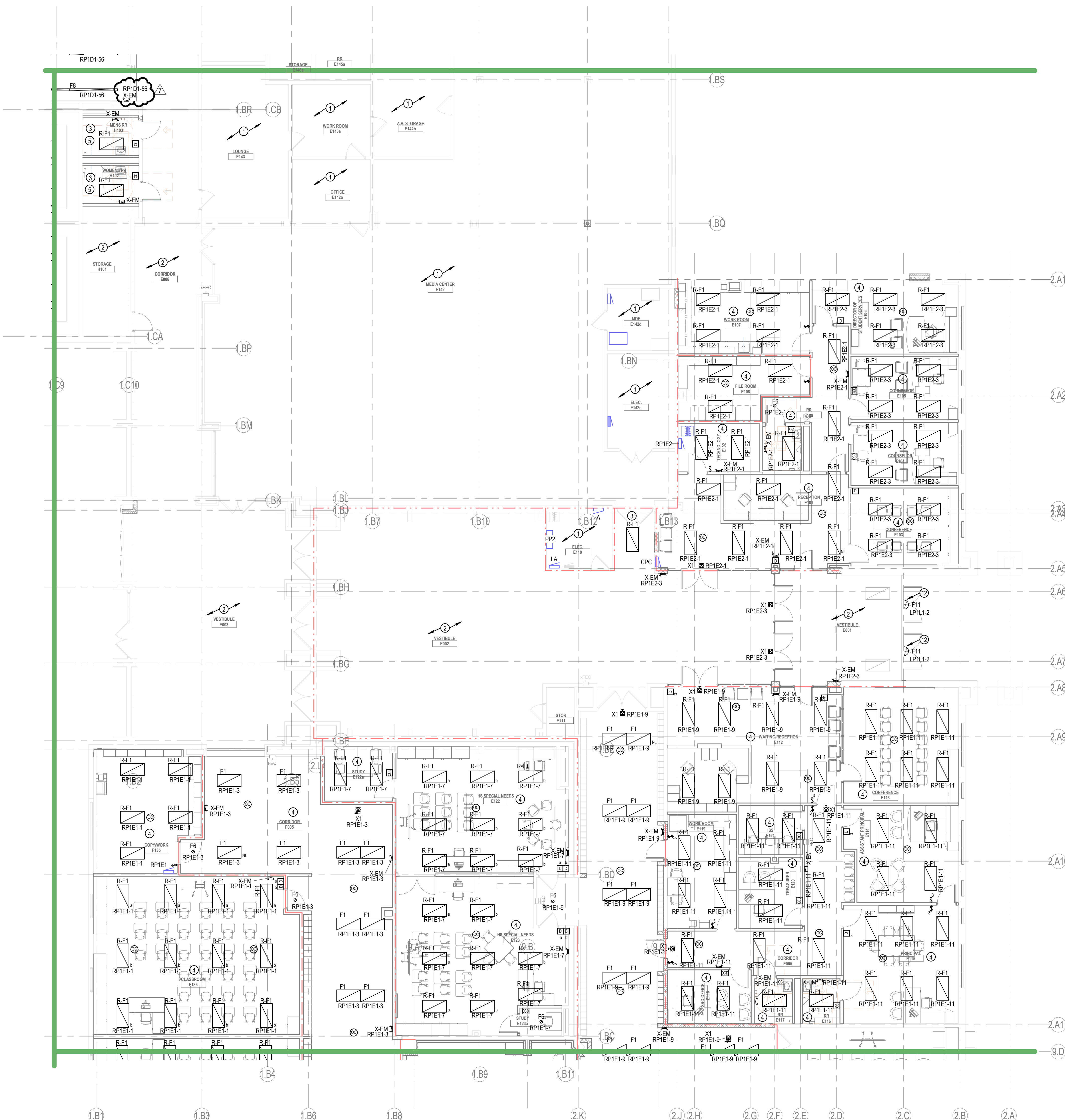
2-EL1E1

### GENERAL LIGHTING NOTES

- A REFER TO ELECTRICAL SYMBOLS & ABBREVIATIONS, AND SCHEDULES SHEETS FOR ADDITIONAL INFORMATION.
- B NEW LIGHTING DEVICES / LIGHTING FIXTURES SHOWN TO BE INSTALLED ON EXISTING BLOCK WALLS SHALL BE MOUNTED TO STRUCTURE SHALL BE INSTALLED SURFACE MOUNTED AND IN SURFACE MOUNTED WIREMOLD PAINTED TO MATCH WALLS AND CEILINGS. WIREMOLD SHALL BE INSTALLED NEATLY AND AT RIGHT ANGLES TO STRUCTURE, WHEN POSSIBLE ROUTE VERTICAL WIREMOLD IN CORNERS THEN HORIZONTAL. FURNISH AND INSTALL ALL MATERIALS AND LABOR NECESSARY TO COMPLY WITH THE ATTACHED FLOOR PLANS AND REFLECTED CEILING PLANS FOR ADDITIONAL INFORMATION. CONFIRM EXACT WIREMOLD ROUTING WITH ARCHITECT PRIOR TO INSTALLATION.
- C EXISTING LIGHTING DEVICES AND FIXTURES ARE TO REMAIN. SEE CEILING WORK. SOME EXCEPTIONS WILL BE NECESSARY FOR NEW SPECIALTY LIGHTING AREAS. SEE LIGHTING FIXTURE SCHEDULE FOR DETAILS.

PLAN NOTES

- 1 ALL LIGHTING DEVICES AND FIXTURES IN THIS AREA ARE EXISTING TO REMAIN.
- 2 EXISTING LIGHT FIXTURES IN THIS ROOM / AREA SHALL BE REINSTALLED IN NEW CEILING. MAINTAIN EXISTING CIRCUIT AND LIGHTING CONTROLS. REFER TO A-SERIES SHEETS FOR ADDITIONAL INFORMATION.
- 3 INSTALL RETAINED LIGHT FIXTURES IN THIS ROOM / AREA TO NEW LOCATIONS AS SHOWN ON PLANS. CONNECT TO EXISTING LIGHTING CIRCUIT SERVING THE AREA. PROVIDE NEW LIGHTING CONTROL DEVICES AS REQUIRED.
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- 9 CONNECT LIGHTING TO EXTERIOR LIGHTING CONTROLS.
- 10 WALL SCONCES PROVIDED AND INSTALLED BY SERVING LINE MANUFACTURER.



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



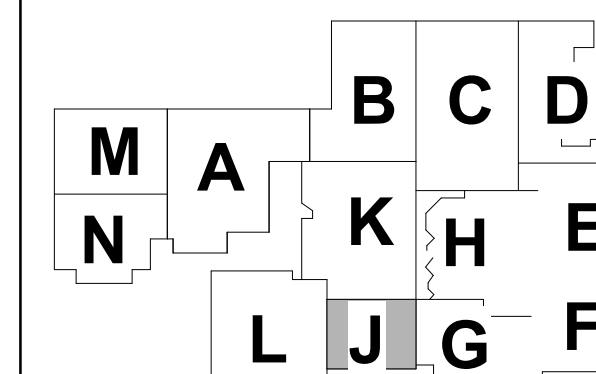
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#	Revision	Date
	ADDENDUM 5	09-29-2023
	ADDENDUM 7	10-13-2023

3431 N 400 W  
Kokomo, IN 46901



## KEY PLAN

NORTHWESTERN  
SCHOOL  
CORPORATION



NORTHWESTERN HIGH  
SCHOOL / MIDDLE SCHOOL

2 - FIRST FLOOR  
LIGHTING PLAN - UNIT J

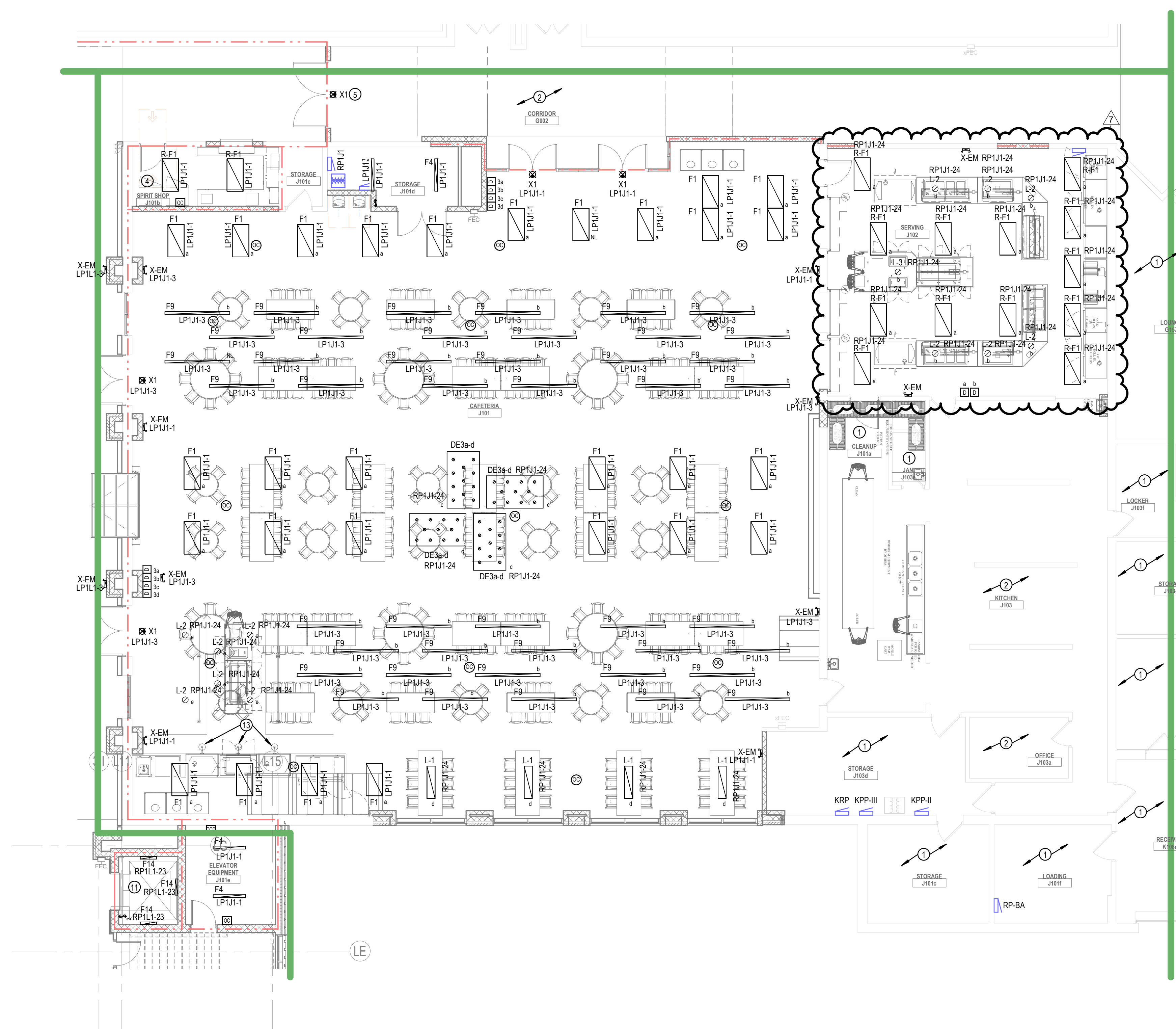
2-EL1J1

GENERAL LIGHTING NOTES

- A REFER TO ELECTRICAL SYMBOLS & ABBREVIATIONS, AND SCHEDULES SHEETS FOR ADDITIONAL INFORMATION.
- B NEW LIGHTING DEVICES / LIGHTING FIXTURES SHOWN TO BE INSTALLED ON EXISTING BLOCK WALLS / PARTIAL LIGHT TO LIGHT TO STRUCTURE SHALL BE INSTALLED SURFACE MOUNTED AND IN SURFACE MOUNTED WIREMOLD PAINTED TO MATCH WALLS AND CEILINGS. WIREMOLD SHALL BE INSTALLED NEATLY AND AT RIGHT ANGLES TO STRUCTURE, WHEN POSSIBLE ROUTE VERTICAL WIREMOLD IN CORNERS THEN TO WALLS. VERTICAL WIREMOLD SHALL BE INSTALLED NEAR TOP OF WALLS. HORIZONTAL WIREMOLD SHALL BE INSTALLED ON FLOOR PLANS AND REFLECTED CEILING PLANS FOR ADDITIONAL INFORMATION. CONFIRM EXACT WIREMOLD ROUTING WITH ARCHITECT PRIOR TO INSTALLATION.
- C FOR EXISTING LIGHTING DEVICES AND NEW LIGHTING DEVICES WORK, SOME EXCEPTIONS WILL BE NECESSARY FOR NEW SPECIALTY LIGHTING AREAS, SEE LIGHTING FIXTURE SCHEDULE FOR DETAILS.

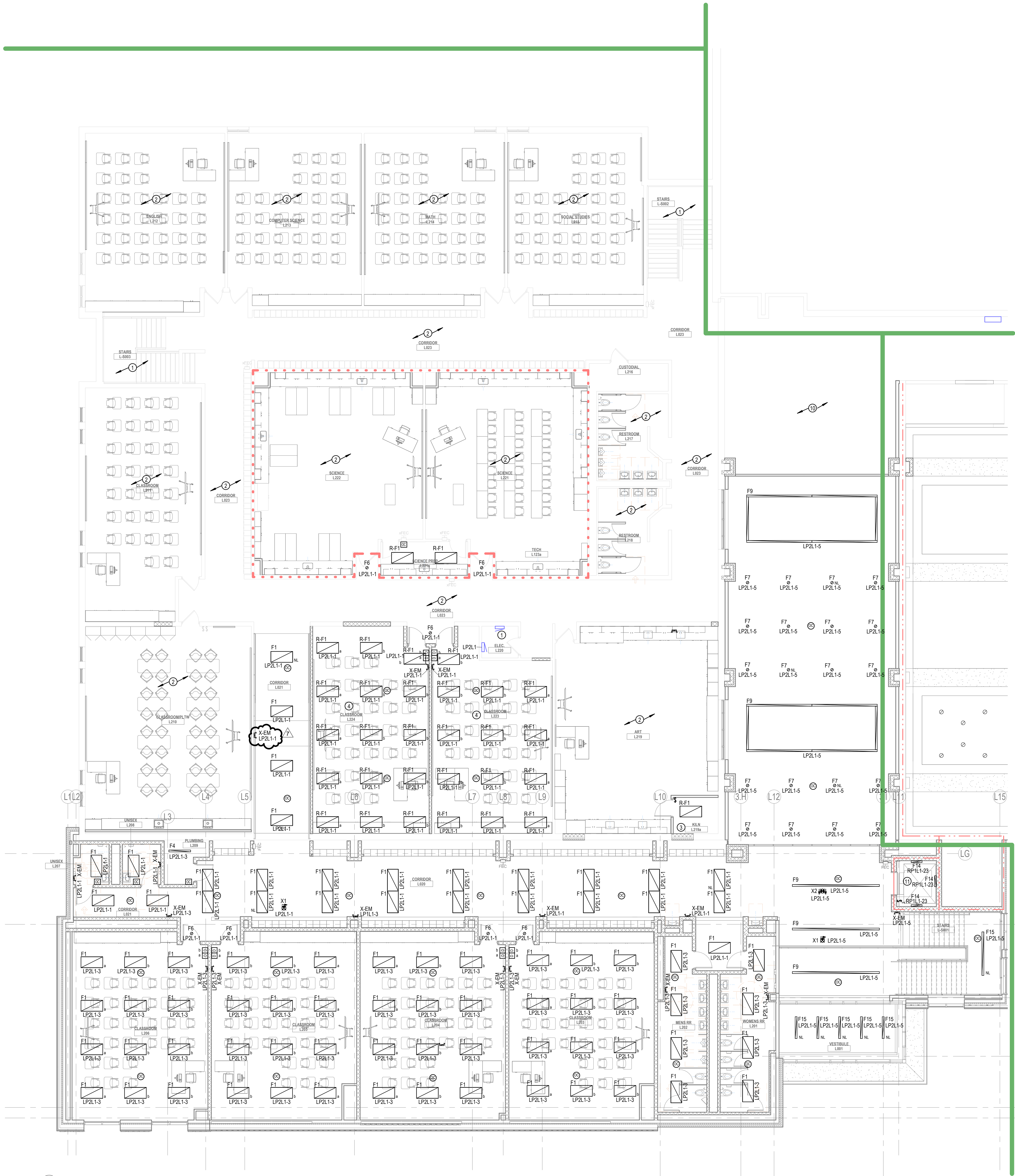
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- 9 CONNECT FIXTURE TO EXTERIOR LIGHTING CONTROLS.
- 10 WALL SCONCES PROVIDED AND INSTALLED BY SERVING LINE MANUFACTURER.



1 H - FIRST FLOOR LIGHTING PLAN - UNIT J  
1/8" = 1'-0"





1 H - SECOND FLOOR LIGHTING PLAN - UNIT L  
1/8" = 1'-0"

GENERAL LIGHTING NOTES

- REFER TO ELECTRICAL SYMBOLS & ABBREVIATIONS, AND SCHEDULE SHEETS FOR ADDITIONAL INFORMATION.
- NEW LIGHTING DEVICES / LIGHTING FIXTURES SHOWN TO BE INSTALLED ON EXISTING BLOCK WALLS / CEILING: TIGHT TO STRUCTURE SHALL BE INSTALLED SURFACE MOUNTED AND IN SURFACE MOUNTED WIREMOLD PAINTED TO MATCH WALLS AND CEILING. WIREMOLD SHALL BE INSTALLED NEATLY AND AT RIGHT ANGLES TO STRUCTURE. WHEN POSSIBLE ROUTE VERTICAL WIREMOLD IN CORNERS THEN TO DEVICE / FIXTURE. WIREMOLD SHALL BE INSTALLED TO MINIMIZE LENGTH. REFER TO ARCHITECTURAL FLOOR PLANS AND REFLECTED CEILING PLANS FOR ADDITIONAL INFORMATION. CONFIRM EXACT WIREMOLD ROUTING WITH ARCHITECT PRIOR TO INSTALLATION.
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- WALL SCONCES PROVIDED AND INSTALLED BY SERVING LINE MANUFACTURER.



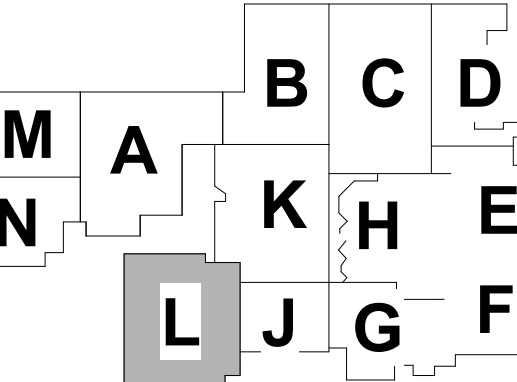
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	ADDENDUM 2	09-19-2023
	ADDENDUM 5	09-29-2023
	ADDENDUM 7	10-13-2023

3431 N 400 W  
Kokomo, IN 46901



KEY PLAN

NORTHWESTERN  
SCHOOL  
CORPORATION



NORTHWESTERN HIGH  
SCHOOL / MIDDLE SCHOOL

2 - SECOND FLOOR  
LIGHTING PLAN - UNIT L

2-EL1L2



6

5

4

3

2

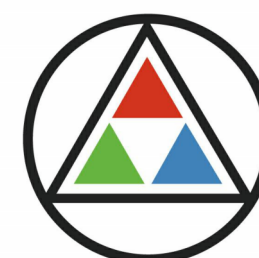
1

## GENERAL POWER SYSTEMS NOTES

- A. REFER TO ELECTRICAL SYMBOLS & ABBREVIATIONS SHEET FOR ADDITIONAL INFORMATION.
- B. NEW ELECTRICAL DEVICES SHOWN TO BE INSTALLED ON EXISTING BLOCK WALLS / CEILINGS TIGHT TO STRUCTURE SHALL BE INSTALLED SURFACE MOUNTED AND IN SURFACE MOUNTED WIREMOLD PAINTED TO MATCH WALLS AND CEILINGS. WIREMOLD SHALL BE INSTALLED NEATLY AND AT RIGHT ANGLES TO STRUCTURE. WHEN POSSIBLE ROUTE VERTICAL WIREMOLD IN CORNERS THEN TO DEVICE / FIXTURE. WIREMOLD SHALL BE INSTALLED TO MINIMIZE LENGTH. REFER TO ARCHITECTURAL FLOOR PLANS AND REFLECTED CEILING PLANS FOR ADDITIONAL INFORMATION. CONFIRM EXACT WIREMOLD ROUTING WITH ARCHITECT PRIOR TO INSTALLATION.
- C. PROVIDE NEW FIRE ALARM SYSTEM THROUGHOUT THE EXISTING BUILDING AND REMODELED AREAS.

## PLAN NOTES

1. PROVIDE AND INSTALL QUADRIplex RECEPTACLES FOR OWNER PROVIDED TV WALL. COORDINATE MOUNTING HEIGHTS AND LOCATION WITH OWNER.
2. DISCONNECT SWITCH PROVIDED WITH UNIT.
3. NEW RECEPTACLE CONNECT TO NEAREST RECEPTACLE CIRCUIT. VERIFY LOCATION.
4. PROVIDE 120V SINGLE PHASE CONNECTION TO RANGE HOOD. COORDINATE MOUNTING HEIGHT WITH CASEWORK PROVIDER.
5. PROVIDE 120V SINGLE PHASE CONNECTION TO HAND DRYER. COORDINATE MOUNTING HEIGHT WITH A-SERIES DRAWINGS. CIRCUIT PROTECTED BY GFCI BREAKER.
6. INDOOR UNIT POWERED BY THE OUTDOOR UNIT. PROVIDE WIRING BETWEEN THE INDOOR UNIT AND OUTDOOR UNIT PER MANUFACTURER'S RECOMMENDATIONS. PROVIDE DISCONNECT SWITCH AT INDOOR UNIT AS REQUIRED.
7. PROVIDE 120V SINGLE PHASE CONNECTION TO MOTOR CONTROL DEVICE TO OVERHEAD COILING DOOR. INSTALL DOOR CONTROLLER AND PROVIDE ALL CONTROL WIRING AS REQUIRED.
8. RECEPTACLE FOR VENDING MACHINE. CIRCUIT PROTECTED BY GFCI BREAKER.
9. RECEPTACLE FOR REFRIGERATOR. CIRCUIT PROTECTED BY GFCI BREAKER.
10. RECEPTACLE FOR COPIER.
11. RECEPTACLE FOR MICROWAVE. COORDINATE MOUNTING HEIGHT OF RECEPTACLE WITH CASEWORK PROVIDER.
12. PROVIDE 20A DUPLEX RECEPTACLE FOR CORD REEL. PROVIDE PLENUM RATED ENCLOSURE FOR MOUNTING CORD REEL ABOVE CEILING. CORD REEL TO HAVE WHITE CORD SIMILAR TO HUBBELL INREACH INDUSTRIAL SERIES.
13. RECEPTACLE FOR DISHWASHER. CIRCUIT PROTECTED BY GFCI BREAKER.
14. RECEPTACLE FOR ICE MACHINE. CIRCUIT PROTECTED BY GFCI BREAKER.
15. QUADRIplex RECEPTACLE FOR AV RACK. COORDINATE MOUNTING LOCATION WITH T-SERIES DRAWINGS.
16. NEMA 14-30 RECEPTACLE FOR RANGE. RECEPTACLE TO BE FLUSH MOUNTED OR OTHERWISE AS REQUIRED TO ALLOW BACK OF RANGE TO BE PLACED FLUSH AGAINST WALL BEHIND THE RANGE. INSTALL RECEPTACLE IN LOCATION AND ORIENTATION AS REQUIRED BY AND IN ACCORDANCE WITH THE SUPPLIED RANGE MANUFACTURER INSTALLATION INSTRUCTIONS.
17. PROVIDE CONNECTION TO MOTOR/DRIVE SHADING SYSTEM. INSTALL CONTROL WIRING TO EACH SHADE AS REQUIRED BY WINDOW SHADE MANUFACTURER.
18. RECEPTACLE FOR TV. COORDINATE MOUNTING HEIGHT WITH A-SERIES DRAWINGS.
19. NEW UTILITY TRANSFORMER. COORDINATE LOCATION WITH UTILITY. PROVIDE CONCRETE PAD AS REQUIRED. INSTALL METER IN LOCATION DETERMINED BY THE UTILITY AND PROVIDE SUPPORT STRUCTURE FOR METER AS REQUIRED. THIS SERVICE IS FOR THE NEW CHILLER.
20. INSTALL VFD PROVIDED BY MC. PROVIDE SUPPORT STRUCTURE AS REQUIRED. LOCATE STARTER IN FIELD AND COORDINATE LOCATION WITH MC.
21. NEW HOMERUN TO EXISTING PANEL. REMOVE EXISTING CIRCUIT BREAKER SERVING THE PUMP THAT WAS REMOVED AND INSTALL NEW 3P-100A CIRCUIT BREAKER IN SPACE.
22. NEW FIRE ALARM PANEL. COORDINATE LOCATION IN THE FIELD WITH THE OWNER. PROVIDE 120V, 20A DEDICATED CIRCUIT TO NEAREST PANEL.
23. 2P-100A, 208V DISCONNECT FOR AIR COMPRESSOR. CONNECT NEW CIRCUIT SHOWN.
24. 20A, 120V PLUGSTRIP WITH RECEPTACLES SPACED ON 6" CENTERS FOR BATTERY OPERATED EQUIPMENT CHARGING. COORDINATE LOCATION AND MOUNTING HEIGHTS WITH OWNER PRIOR TO ROUGH-IN.
25. DUST COLLECTOR CONTROL PANEL. PROVIDE 3P-60A, 208V, NEMA 3R DISCONNECT SWITCH. PROVIDE FEEDER TO DUST COLLECTOR EQUIPMENT AS REQUIRED. PROVIDE CONTROL CONDUITS FROM CONTROL PANEL TO EQUIPMENT AS REQUIRED.
26. EMERGENCY STOP PUSHBUTTON WITH LABEL. PROVIDE (2) 12 POLE CONTACTORS WITH ENCLOSURES AND ROUTE ALL CIRCUITS SERVING EQUIPMENT DESIGNATED BY THE OWNER THRU THE CONTACTORS FOR CONTROL. PROVIDE RESET SWITCH IN LOCATION DETERMINED BY THE OWNER. INSTALL CONTACTORS IN CONSTRUCTION STORAGE A1160.
27. JUNCTION BOX FOR FUTURE HYDROPONICS EQUIPMENT. PROVIDE LABEL.
28. FLOORBOX, 6 GANG WITH BUSHED ALUMINUM COVER WITH SPACE FOR CARPET INSERT SIMILAR TO WALKER EVOLUTION SERIES. PROVIDE CONDUIT FOR POWER AND PROVIDE 1" CONDUIT TO ABOVE TELECOM CABLE. PROVIDE 1-1/4" CONDUIT TO TELEVISION ON WALL FOR HDMI CABLE. CUT AND PATCH FLOOR AS REQUIRED.
29. NEW NAC PANEL. PROVIDE DEDICATED 120V, 20A CIRCUIT TO NEAREST AVAILABLE PANEL.
30. NEW FIRE ALARM HORN/STROBE. PROVIDE WIREGUARD. CONTRACTOR SHALL VERIFY EXISTING LOCATIONS IN THE SPACE. SOME LOCATIONS MAY BE REUSED. COORDINATE PANEL LAYOUT WITH ENGINEER.
31. RECEPTACLE FOR WACO. VERIFY LOCATION AND HEIGHT WITH SUPPLIER.
32. POWER TO CARD ACCESS SYSTEM CONTROL PANEL ABOVE CEILING. PROVIDE TOGGLE SWITCH DISCONNECT. LOCATE ON WALL WITH TOGGLE SWITCH DISCONNECT. COORDINATE LOCATION WITH TCC.
33. POWER TO VAV BOXES. LOCATE ON WALL WITH TOGGLE SWITCH DISCONNECT. COORDINATE LOCATION WITH TCC.
34. PROVIDE DEDICATED 120V, 20A CIRCUIT TO NEAREST AVAILABLE PANEL WITH SPARE.
35. AUTOMATIC DOOR. PROVIDE TOGGLE SWITCH DISCONNECT. INSTALL PUSHBUTTON CONTROL AND ALL CONTROL WIRING AS REQUIRED.
36. RELOCATE EXISTING 3 PHASE CIRCUIT FOR VUC TO THIS LOCATION.
37. EXISTING VCU TO BE DISCONNECTED TO INSTALL NEW WALL AND RECONNECTED. EXTEND/MODIFY EXISTING CIRCUIT AS REQUIRED.
38. KITCHEN EQUIPMENT PANELBOARD. PROVIDE CONNECTION SHOWN.
39. COORDINATE LOCATION WITH ELEVATOR SUPPLIER.
40. 2P-30A, 208V FUSIBLE DISCONNECT FUSED AT 20A FOR ELEVATOR LIGHTING AND CONTROL.
41. 3P-100A, 480V, FUSIBLE DISCONNECT SWITCH FUSED PER ELEVATOR SUPPLIER REQUIREMENTS. PROVIDE 3P-100A CONTACTOR, 480V TO CONTROL ELEVATOR POWER. INTERLOCK WITH FIRE ALARM SYSTEM TO SHUT OFF POWER TO ELEVATOR PRIOR TO SPRINKLER OPERATION.
42. NEW HOMERUN TO EXISTING PANEL. PROVIDE NEW FUSES.
43. FLOORBOX, 2 GANG WITH BUSHED ALUMINUM COVER WITH SPACE FOR CARPET INSERT SIMILAR TO WALKER EVOLUTION SERIES.
44. NEW HOMERUN TO EXISTING PANEL. PROVIDE NEW 40A FUSES.
45. POWER TO FUME HOOD.
46. 2P-30A, 208V, NEMA 3R FUSIBLE DISCONNECT SWITCH FUSED PER UNIT MANUFACTURER'S RECOMMENDATIONS. INSTALL RECEPTACLE ON UNIT. PROVIDE POWER AND CONTROL WIRING TO INDOOR UNIT AS REQUIRED.
47. POWER TO CHIC. PUMP. PROVIDE 1P-20A TOGGLE SWITCH DISCONNECT. COORDINATE LOCATION OF PUMP WITH MC.
48. DISCONNECT EXISTING EXHAUST FAN AND CONNECT TO NEW EXHAUST FAN TO EXISTING CIRCUIT. PROVIDE ADDITIONAL CONDUIT AND WIRING AS REQUIRED.
49. NEW HOMERUN TO EXISTING FUSED SWITCH MADE SPARE BY DEMOLITION. INSTALL NEW FUSES.
50. RECEPTACLE FOR WASHER. COORDINATE MOUNTING HEIGHT WITH A-SERIES DRAWINGS. CIRCUIT PROTECTED BY GFCI BREAKER.
51. NEMA 14-30 RECEPTACLE FOR DRYER. COORDINATE MOUNTING HEIGHT WITH A-SERIES DRAWINGS. CIRCUIT PROTECTED BY GFCI BREAKER.
52. RECEPTACLE FOR ELECTRIC WATER COOLER. COORDINATE LOCATION WITH MANUFACTURER PRIOR TO INSTALLATION. CIRCUIT PROTECTED BY GFCI BREAKER.
53. EXISTING ERV. CONDENSING UNIT AND DUCT HEATER TO BE REMOVED COMPLETE. REMOVE FEEDERS BACK TO SOURCE.
54. EXISTING RTV AND CONDENSING UNIT TO BE REMOVED COMPLETE. REMOVE EXISTING FEEDER TO SOURCE.
55. 2P-60A, 208V DISCONNECT FOR KILN. PROVIDE CONNECTION TO KILN AS REQUIRED.
56. KILN EXHAUST FAN.
57. PROVIDE FIRE ALARM CONNECTION TO MONITOR KITCHEN HOOD FIRE PROTECTION SYSTEM. PROVIDE ALL INTERFERENCE WIRING AND COMPONENTS AS REQUIRED.
58. PROVIDE DUCT DETECTOR IN THE SUPPLY AND RETURN DUCTWORK INSIDE THE BUILDING. INSTALL ADDRESSABLE RELAY TO SHUT DOWN THE UNIT WHEN DUCT DETECTORS ARE IN ALARM CONDITION. PROVIDE CONTROL WIRING AS REQUIRED TO INTERFACE AND CONTROL THE UNIT. PROVIDE 3P-60A, 480 DISCONNECT SWITCH. PROVIDE WIRING FROM DISCONNECT TO (4) FANS IN THE UNIT.
59. COIL PUMP. PROVIDE 3P-30A, 480V, NEMA 3R DISCONNECT SWITCH.
60. INSTALL WINDOW SHADE CONTROLLER PROVIDED BY MANUFACTURER. COORDINATE INSTALLATION REQUIREMENTS WITH WINDOW SHADE MANUFACTURER.
61. POWER TO REFRIGERANT MONITORING PANEL. VERIFY LOCATION. PROVIDE 20A, 120V CIRCUIT TO NEAREST PANEL WITH SPARE CAPACITY. PROVIDE CIRCUIT BREAKER IF NECESSARY.
62. CONNECT BUILDING MOUNTED SIGN TO CIRCUIT SHOWN. PROVIDE NEMA 3R JUNCTION BOX(ES) FOR INTERNALLY LIT SIGN AS REQUIRED. PROVIDE BOXES FOR EACH LETTER IF REQUIRED. VERIFY EXACT LOCATIONS WITH OWNERS SIGNAGE MANUFACTURER PRIOR TO INSTALLATION. SIGN SHALL BE CONNECTED TO THE LIGHTING CONTROL SYSTEM. PROVIDE ALL CONTROL WIRING AND CONNECTIONS IN CONDUIT AS REQUIRED.
63. THIS CANOPY AND WORK IS PART OF AN ALTERNATE. CONNECT BUILDING MOUNTED SIGN TO CIRCUIT SHOWN. PROVIDE NEMA 3R JUNCTION BOX(ES) FOR INTERNALLY LIT SIGN AS REQUIRED. PROVIDE BOXES FOR EACH LETTER IF REQUIRED. VERIFY EXACT LOCATIONS WITH OWNERS SIGNAGE MANUFACTURER PRIOR TO INSTALLATION. SIGN SHALL BE CONNECTED TO THE LIGHTING CONTROL SYSTEM. PROVIDE ALL CONTROL WIRING AND CONNECTIONS IN CONDUIT AS REQUIRED. REFER TO FOOD SERVICE DRAWINGS FOR ROUGH-IN HEIGHTS.



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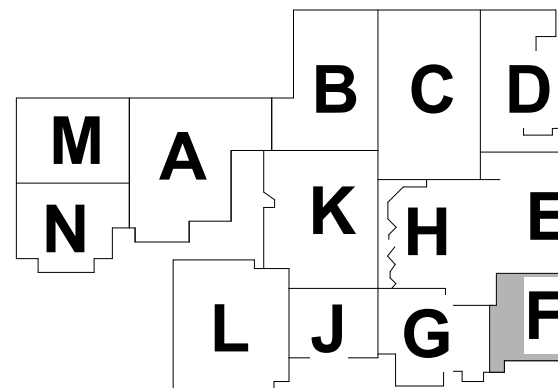
Project Date 10.10.2023

Produced DGS



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#	Revision	Date
	ADDENDUM 7	10-13-2023

3431 N 400 W  
Kokomo, IN 46901

KEY PLAN

**NORTHWESTERN  
SCHOOL  
CORPORATION**



**NORTHWESTERN HIGH  
SCHOOL / MIDDLE SCHOOL**

**2 - FIRST FLOOR POWER  
& SYSTEMS PLAN - UNIT F**

2-EP1F1

1 H - FIRST FLOOR POWER & SYSTEMS PLAN - UNIT F  
1/8" = 1'-0"

6

5

4

3

2

1

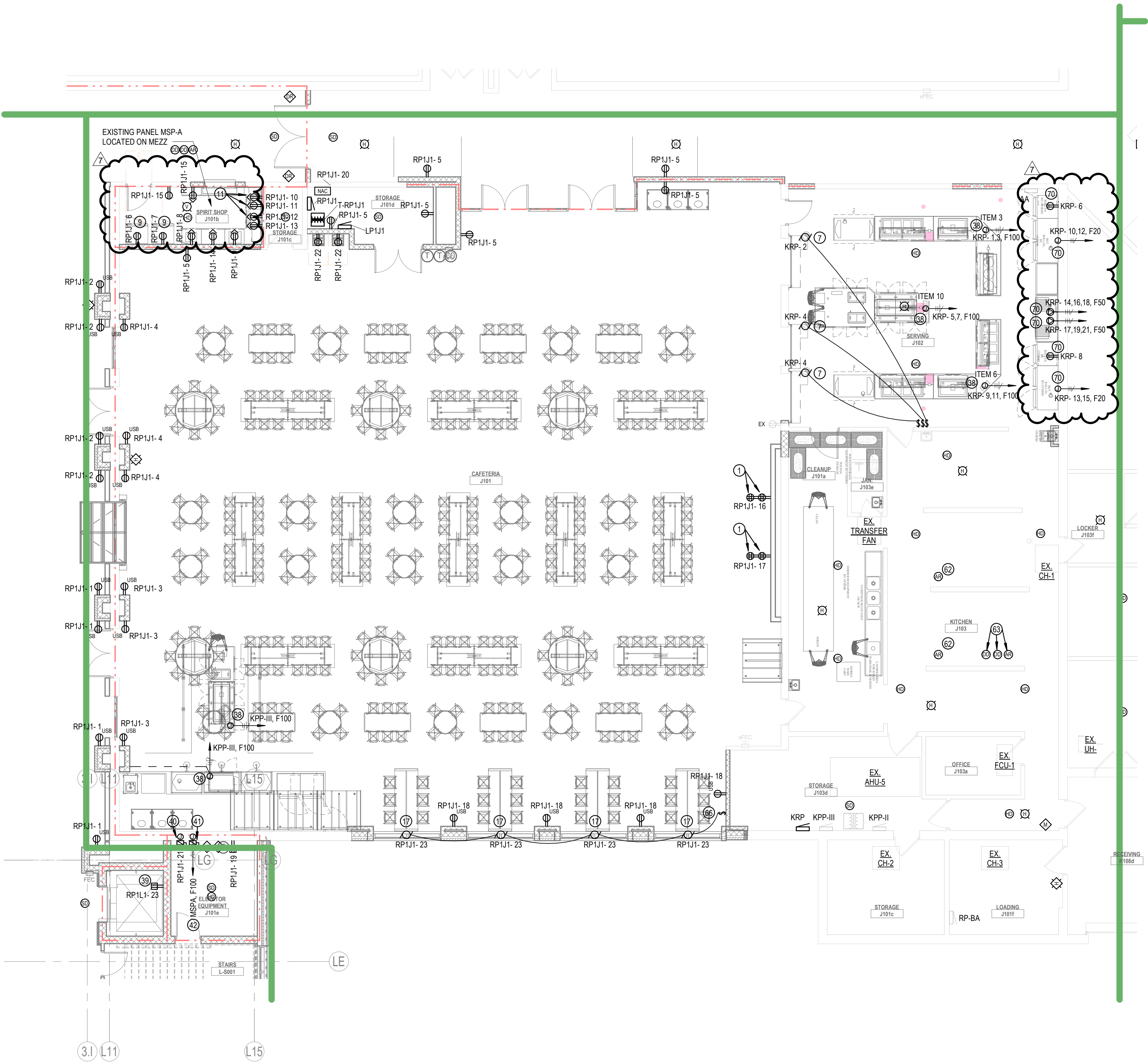




2-EP1H1



1 H - FIRST FLOOR POWER & SYSTEMS PLAN - UNIT J  
1/8" = 1'-0"



### GENERAL POWER SYSTEMS NOTES

- REFER TO ELECTRICAL SYMBOLS & ABBREVIATIONS SHEET FOR ADDITIONAL INFORMATION.
- NEW ELECTRICAL DEVICES SHOWN TO BE INSTALLED ON EXISTING BLOCK WALLS / CEILINGS TIGHT TO STRUCTURE SHALL BE INSTALLED SURFACE MOUNTED AND IN SURFACE MOUNTED WIREMOLD PAINTED TO MATCH WALLS AND CEILINGS. WIREMOLD SHALL BE INSTALLED NEATLY AND AT RIGHT ANGLES TO STRUCTURE. WHEN POSSIBLE ROUTE VERTICAL WIREMOLD IN CORNERS THEN TO DEVICE / FIXTURE. WIREMOLD SHALL BE INSTALLED TO MINIMIZE LENGTH. REFER TO ARCHITECTURAL FLOOR PLANS AND REFLECTED CEILING PLANS FOR ADDITIONAL INFORMATION. CONFIRM EXACT WIREMOLD ROUTING WITH ARCHITECT PRIOR TO INSTALLATION.
- PROVIDE NEW FIRE ALARM SYSTEM THROUGHOUT THE EXISTING BUILDING AND REMODELED AREAS.

### PLAN NOTES

- PROVIDE AND INSTALL QUADRIplex RECEPTACLES FOR OWNER PROVIDED TV WALL. COORDINATE MOUNTING HEIGHTS AND LOCATION WITH OWNER.
- DISCONNECT SWITCH PROVIDED WITH UNIT.
- NEW RECEPTACLE CONNECT TO NEAREST RECEPTACLE CIRCUIT. VERIFY LOCATION.
- PROVIDE 120V SINGLE PHASE CONNECTION TO RANGE HOOD. COORDINATE MOUNTING HEIGHT WITH CASEWORK PROVIDER.
- PROVIDE 120V SINGLE PHASE CONNECTION TO HAND DRYER. COORDINATE MOUNTING HEIGHT WITH A-SERIES DRAWINGS. CIRCUIT PROTECTED BY GFCI BREAKER.
- INDOOR UNIT POWERED BY THE OUTDOOR UNIT. PROVIDE WIRING BETWEEN THE INDOOR UNIT AND OUTDOOR UNIT PER MANUFACTURER'S RECOMMENDATIONS. PROVIDE DISCONNECT SWITCH AT INDOOR UNIT AS REQUIRED.
- PROVIDE 120V SINGLE PHASE CONNECTION TO MOTOR CONTROL DEVICE TO OVERHEAD COILING DOOR. INSTALL DOOR CONTROLLER AND PROVIDE ALL CONTROL WIRING AS REQUIRED.
- RECEPTACLE FOR VENDING MACHINE. CIRCUIT PROTECTED BY GFCI BREAKER.
- RECEPTACLE FOR REFRIGERATOR. CIRCUIT PROTECTED BY GFCI BREAKER.
- RECEPTACLE FOR COPIER.
- RECEPTACLE FOR MICROWAVE. COORDINATE MOUNTING HEIGHT OF RECEPTACLE WITH CASEWORK PROVIDER.
- PROVIDE 20A DUPLEX RECEPTACLE FOR CORD REEL. PROVIDE PLENUM RATED ENCLOSURE FOR MOUNTING CORD REEL ABOVE CEILING. CORD REEL TO HAVE WHITE CORD SIMILAR TO HUBBELL INREACH INDUSTRIAL SERIES.
- RECEPTACLE FOR DISHWASHER. CIRCUIT PROTECTED BY GFCI BREAKER.
- RECEPTACLE FOR ICE MACHINE. CIRCUIT PROTECTED BY GFCI BREAKER.
- QUADRIplex RECEPTACLE FOR AV RACK. COORDINATE MOUNTING LOCATION WITH T-SERIES DRAWINGS.
- NEMA 14-30 RECEPTACLE FOR RANGE. RECEPTACLE TO BE FLUSH MOUNTED OR OTHERWISE AS REQUIRED TO ALLOW BACK OF RANGE TO BE PLACED FLUSH AGAINST WALL BEHIND THE RANGE. INSTALL RECEPTACLE IN LOCATION AND ORIENTATION AS REQUIRED BY AND IN ACCORDANCE WITH THE SUPPLIED RANGE MANUFACTURER INSTALLATION INSTRUCTIONS.
- PROVIDE CONNECTION TO MOTORIZED WINDOW SHADE SYSTEM. INSTALL CONTROL WIRING TO EACH SHADE AS REQUIRED BY WINDOW SHADE MANUFACTURER.
- RECEPTACLE FOR TV. COORDINATE MOUNTING HEIGHT WITH A-SERIES DRAWINGS.
- NEW UTILITY TRANSFORMER. COORDINATE LOCATION WITH UTILITY. PROVIDE CONCRETE PAD AS REQUIRED. INSTALL METER IN LOCATION DETERMINED BY THE UTILITY AND PROVIDE SUPPORT STRUCTURE FOR METER AS REQUIRED. THIS SERVICE IS FOR THE NEW CHILLER.
- INSTALL VFD PROVIDED BY MC. PROVIDE SUPPORT STRUCTURE AS REQUIRED. LOCATE STARTER IN FIELD AND COORDINATE LOCATION WITH MC.
- NEW HOMERUN TO EXISTING PANEL. REMOVE EXISTING CIRCUIT BREAKER SERVING THE PUMP THAT WAS REMOVED AND INSTALL NEW 3P-100A CIRCUIT BREAKER IN SPACE.
- NEW FIRE ALARM PANEL. COORDINATE LOCATION IN THE FIELD WITH THE OWNER. PROVIDE 120V, 20A DEDICATED CIRCUIT TO NEAREST PANEL.
- 2P-100A, 208V DISCONNECT FOR AIR COMPRESSOR. CONNECT NEW CIRCUIT SHOWN.
- 20A, 120V PLUGSTRIP WITH RECEPTACLES SPACED ON 6" CENTERS FOR BATTERY OPERATED EQUIPMENT CHARGING. COORDINATE LOCATION AND MOUNTING HEIGHTS WITH OWNER PRIOR TO ROUGH-IN.
- DUST COLLECTOR CONTROL PANEL. PROVIDE 3P-60A, 208V, NEMA 3R DISCONNECT SWITCH. PROVIDE FEEDER TO DUST COLLECTOR EQUIPMENT AS REQUIRED. PROVIDE CONTROL CONDUITS FROM CONTROL PANEL TO EQUIPMENT AS REQUIRED.
- EMERGENCY STOP PUSHBUTTON WITH LABEL. PROVIDE (2) 12 POLE CONTACTORS WITH ENCLOSURES AND ROUTE ALL CIRCUITS SERVING EQUIPMENT DESIGNATED BY THE OWNER THRU THE CONTACTORS FOR CONTROL. PROVIDE RESET SWITCH IN LOCATION DETERMINED BY THE OWNER. INSTALL CONTACTORS IN CONSTRUCTION STORAGE A1160.
- JUNCTION BOX FOR FUTURE HYDROPONICS EQUIPMENT. PROVIDE LABEL.
- FLOORBOX, 6 GANG WITH BUSHED ALUMINUM COVER WITH SPACE FOR CARPET INSERT SIMILAR TO WALKER EVOLUTION SERIES. PROVIDE CONDUIT FOR POWER AND PROVIDE 1" CONDUIT TO ABOVE CEILING TO TELECOM CABLE. PROVIDE 1-1/4" CONDUIT TO TELEVISION ON WALL FOR HDMI CABLE. CUT AND PATCH FLOOR AS REQUIRED.
- NEW NAC PANEL. PROVIDE DEDICATED 120V, 20A CIRCUIT TO NEAREST AVAILABLE PANEL.
- NEW FIRE ALARM HORN/STROBE. PROVIDE WIREGUARD. CONTRACTOR SHALL VERIFY EXISTING LOCATIONS IN THE SPACE. SOME LOCATIONS MAY BE REUSED. COORDINATE FINAL LAYOUT WITH ENGINEER.
- RECEPTACLE FOR WACO. VERIFY LOCATION AND HEIGHT WITH SUPPLIER.
- POWER TO CARD ACCESS SYSTEM CONTROL PANEL ABOVE CEILING. PROVIDE TOGGLE SWITCH DISCONNECT.
- POWER TO VAV BOXES. LOCATE ON WALL WITH TOGGLE SWITCH DISCONNECT. COORDINATE LOCATION WITH TCC.
- PROVIDE DEDICATED 120V, 20A CIRCUIT TO NEAREST AVAILABLE PANEL WITH SPARE.
- AUTOMATIC DOOR. PROVIDE TOGGLE SWITCH DISCONNECT. INSTALL PUSHBUTTON CONTROL AND ALL CONTROL WIRING AS REQUIRED.
- RELOCATE EXISTING 3 PHASE CIRCUIT FOR VUC TO THIS LOCATION.
- EXISTING VCU TO BE DISCONNECTED TO INSTALL NEW WALL AND RECONNECTED. EXTEND/MODIFY EXISTING CIRCUIT AS REQUIRED.
- KITCHEN EQUIPMENT PANELBOARD. PROVIDE CONNECTION SHOWN.
- COORDINATE LOCATION WITH ELEVATOR SUPPLIER.
- 2P-30A, 208V FUSIBLE DISCONNECT FUSED AT 20A FOR ELEVATOR LIGHTING AND CONTROL.
- 3P-100A, 480V, FUSIBLE DISCONNECT SWITCH FUSED PER ELEVATOR SUPPLIER REQUIREMENTS. PROVIDE 3P-100A CONTACTOR, 480V TO CONTROL ELEVATOR POWER. INTERLOCK WITH FIRE ALARM SYSTEM TO SHUT OFF POWER TO ELEVATOR PRIOR TO SPRINKLER OPERATION.
- NEW HOME RUN TO EXISTING PANEL. PROVIDE NEW FUSES.
- FLOORBOX, 2 GANG WITH BUSHED ALUMINUM COVER WITH SPACE FOR CARPET INSERT SIMILAR TO WALKER EVOLUTION SERIES.
- NEW HOMERUN TO EXISTING PANEL. PROVIDE NEW 40A FUSES.
- POWER TO FUME HOOD.
- 2P-30A, 208V, NEMA 3R FUSIBLE DISCONNECT SWITCH FUSED PER UNIT MANUFACTURER'S RECOMMENDATIONS. INSTALL RECEPTACLE ON UNIT. PROVIDE POWER AND CONTROL WIRING TO INDOOR UNIT AS REQUIRED.
- POWER TO CHRC. PUMP. PROVIDE 1P-20A TOGGLE SWITCH DISCONNECT. COORDINATE LOCATION OF PUMP WITH MC.
- DISCONNECT EXISTING EXHAUST FAN AND CONNECT TO NEW EXHAUST FAN TO EXISTING CIRCUIT. PROVIDE ADDITIONAL CONDUIT AND WIRING AS REQUIRED.
- NEW HOMERUN TO EXISTING FUSED SWITCH MADE SPARE BY DEMOLITION. INSTALL NEW FUSES.
- RECEPTACLE FOR WASHER. COORDINATE MOUNTING HEIGHT WITH A-SERIES DRAWINGS. CIRCUIT PROTECTED BY GFCI BREAKER.
- NEMA 14-30 RECEPTACLE FOR DRYER. COORDINATE MOUNTING HEIGHT WITH A-SERIES DRAWINGS. CIRCUIT PROTECTED BY GFCI BREAKER.
- RECEPTACLE FOR ELECTRIC WATER COOLER. COORDINATE LOCATION WITH MANUFACTURER PRIOR TO INSTALLATION. CIRCUIT PROTECTED BY GFCI BREAKER.
- EXISTING ERV. CONDENSING UNIT AND DUCT HEATER TO BE REMOVED COMPLETE. REMOVE FEEDERS BACK TO SOURCE.
- EXISTING RTV AND CONDENSING UNIT TO BE REMOVED COMPLETE. REMOVE EXISTING FEEDER TO SOURCE.
- 2P-60A, 208V DISCONNECT FOR KILN. PROVIDE CONNECTION TO KILN AS REQUIRED.
- KILN EXHAUST FAN.
- PROVIDE FIRE ALARM CONNECTION TO MONITOR KITCHEN HOOD FIRE PROTECTION SYSTEM. PROVIDE ALL INTERFERENCE WIRING AND COMPONENTS AS REQUIRED.
- PROVIDE DUCT DETECTOR IN THE SUPPLY AND RETURN DUCTWORK INSIDE THE BUILDING. INSTALL ADDRESSABLE RELAY TO SHUT DOWN THE UNIT WHEN DUCT DETECTORS ARE IN ALARM CONDITION. PROVIDE CONTROL WIRING AS REQUIRED TO INTERFACE AND CONTROL THE UNIT. PROVIDE 3P-60A, 480 DISCONNECT SWITCH. PROVIDE WIRING FROM DISCONNECT TO (4) FANS IN THE UNIT.
- COIL PUMP. PROVIDE 3P-30A, 480V, NEMA 3R DISCONNECT SWITCH.
- INSTALL WINDOW SHADE CONTROLLER PROVIDED BY MANUFACTURER. COORDINATE INSTALLATION REQUIREMENTS WITH WINDOW SHADE MANUFACTURER.
- POWER TO REFRIGERANT MONITORING PANEL. VERIFY LOCATION. PROVIDE 20A, 120V CIRCUIT TO NEAREST PANEL WITH SPARE CAPACITY. PROVIDE CIRCUIT BREAKER IF NECESSARY.
- CONNECT BUILDING MOUNTED SIGN TO CIRCUIT SHOWN. PROVIDE NEMA 3R JUNCTION BOXES (FOR INTERNALLY LIT SIGN AS REQUIRED. PROVIDE BOXES FOR EACH LETTER IF REQUIRED. VERIFY EXACT LOCATIONS WITH OWNERS SIGNAGE MANUFACTURER PRIOR TO INSTALLATION. SIGN SHALL BE CONNECTED TO THE LIGHTING CONTROL SYSTEM. PROVIDE ALL CONTROL WIRING AND CONNECTIONS IN CONDUIT AS REQUIRED.
- THIS CANOPY AND WORK IS PART OF AN ALTERNATE. CONNECT BUILDING MOUNTED SIGN TO CIRCUIT SHOWN. PROVIDE NEMA 3R JUNCTION BOXES (FOR INTERNALLY LIT SIGN AS REQUIRED. PROVIDE BOXES FOR EACH LETTER IF REQUIRED. VERIFY EXACT LOCATIONS WITH OWNERS SIGNAGE MANUFACTURER PRIOR TO INSTALLATION. SIGN SHALL BE CONNECTED TO THE LIGHTING CONTROL SYSTEM. PROVIDE ALL CONTROL WIRING AND CONNECTIONS IN CONDUIT AS REQUIRED. REFER TO FOOD SERVICE DRAWINGS FOR ROUGH-IN HEIGHTS.)



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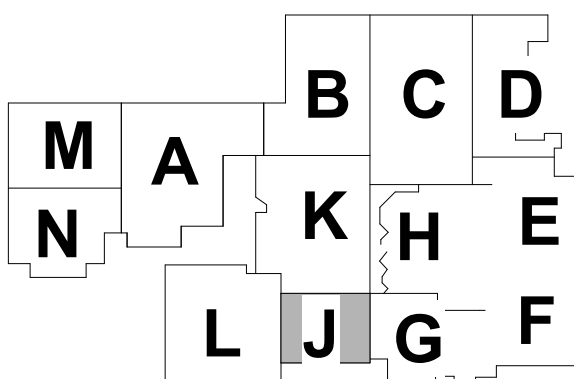
Project No. 2022-086.TGR  
Project Date 10.10.2023  
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#	Revision	Date
	ADDENDUM 7	10-13-2023

3431 N 400 W  
Kokomo, IN 46901



KEY PLAN

**NORTHWESTERN  
SCHOOL  
CORPORATION**



**NORTHWESTERN HIGH  
SCHOOL / MIDDLE SCHOOL**

**2 - FIRST FLOOR POWER  
& SYSTEMS PLAN - UNIT J**

**2-EP1J1**





E

D

C

B

A

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1

LIGHT FIXTURE SCHEDULE							
FIXTURE TYPE	DESCRIPTION	VOLTAGE	LAMP	LUMENS	WATTAGE	CCT	ACCEPTABLE MANUFACTURERS
F1	2X4 LED FLAT PANEL, 0-10V DIMMING, MVOLT.	277 V	LED	5400	49 VA	5000K	METALUX 24FP COLUMBIA CFP24 LITHONIA EPANL24 KID LIGHTING IK-BL24-S0/40/30-354050-YLY
F5	6" ROUND LED DOWNLIGHT, SELF-FLANGED TRIM, MEDIUM DISTRIBUTION, 0-10V DIMMING.	277 V	LED	1500	15 VA	5000K	PORTFOLIO L066 PRESCOLITE LF6SL GOTHAM EVO
R-F1	EXISTING RELOCATED 2X4 LED FLAT PANEL, 0-10V DIMMING.	277 V	LED	5400	49 VA	5000K	ENERGY HARNESS BFP-PANBL-2X4-60-277-CDM
X1	EXIT SIGN, SINGLE FACE, UNIVERSAL MOUNTING, PROVIDE DIRECTIONAL ARROWS AS INDICATED ON FLOOR PLANS, GREEN LETTERS.	277 V	LED		5 VA		SURELITES CX DUAL-LITE SE LITHONIA LE
X-EM	WALL MOUNTED EMERGENCY LIGHT WITH WHITE THERMOPLASTIC HOUSING, PROVIDE WITH INTEGRAL BATTERY AND SELF DIAGNOSTICS, MVOLT.	277 V	LED		5 VA		LITHONIA - ELM2L EVENLITE - TEBL3W DUAL-LITE - EV BIG BEAM - SBEM

NOTES:

1. ALL LIGHT FIXTURES SPECIFIED SHALL DIM TO 1%.

Branch Panel: CPU

Location: Space A108b  
Supplied From:  
Mounting: Surface  
Enclosure Type: Type 1

Voltage: 120/208 Wye  
Phase: 3  
Wiring: 4  
Ground: YES

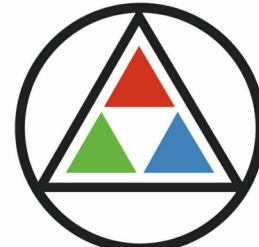
Branch:  
A.L.C. Rating: 22,000A  
Main Type: MLC  
Main Rating: 200A

General Panel Comments:

Circuit Number	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	Circuit Number
1	Lighting	20 A	1	1.2	0.4					1	20 A	Receptacle	2
3	Lighting	20 A	1			1.1	2.6			1	20 A	Receptacle	4
5	Receptacle	20 A	1					1.2	1.2	1	20 A	Receptacle (GFI)	6
7	Receptacle	20 A	1	0.4	1.2					1	20 A	Receptacle (GFI)	8
9	Receptacle	20 A	1			1.1	0.9			1	20 A	Receptacle	10
11	Receptacle (GFI)	20 A	1					1.2	0.7	1	20 A	HVAC	12
13	Receptacle	20 A	1	1.2	0.5					1	20 A	Receptacle	14
15	Receptacle	20 A	1			1.2	0.5			1	20 A	Receptacle	16
17		50 A	2					4	0.5	1	20 A	Receptacle	18
19	KILN			4	0.5					1	20 A	Receptacle	20
21	HVAC	20 A	1			0.5	0			1	20 A	Receptacle	22
23	Receptacle	20 A	1					1	0	1	20 A	SPARE	24
25	Receptacle	20 A	1		1	0				1	20 A	SPARE	26
27	Receptacle (GFI)	20 A	1			0.8	0			1	20 A	SPARE	28
29	SPARE	20 A	1					0	0	1	20 A	SPARE	30
31	SPARE	20 A	1	0	0					1	20 A	SPARE	32
33	SPARE	20 A	1			0	0			1	20 A	SPARE	34
35	SPARE	20 A	1					0	0	1	20 A	SPARE	36
37	SPARE	20 A	1	0	0					1	20 A	SPARE	38
39	SPARE	20 A	1			0	0			1	20 A	SPARE	40
41	SPARE	20 A	1					0	0	1	20 A	SPARE	42
Total Load:				10.3 kVA		8.7 kVA		9.8 kVA					

Load Summary:			
Load Classification	Connected Load	Demand Factor	Estimated Demand
HVAC	1200 VA	100.00%	1200 VA
Lighting	2278 VA	100.00%	2278 VA
Receptacle	25400 VA	69.69%	17700 VA
Panel Totals			
		Total Conn. Load: 28773 VA	
		Total Est. Demand: 21077 VA	
		Total Conn. Current: 80 A	
		Total Est. Demand Current: 59 A	

Remarks:



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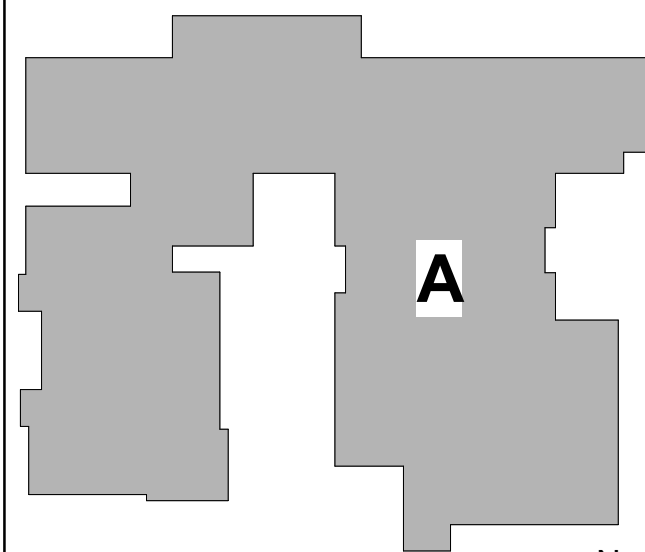
Project No. 2022-086.TGR  
Project Date 08.29.2023  
Produced DGS



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#	Revision	Date
	ADDENDUM 3	09-21-2023
	ADDENDUM 5	09-29-2023
	ADDENDUM 7	10-13-2023

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Kokomo, IN 46901



KEY PLAN

NORTHWESTERN SCHOOL CORPORATION



HOWARD ELEMENTARY SCHOOL

3 - ELECTRICAL SCHEDULES

3-E-601