

**ADDENDUM  
NO. 02**

**September 20, 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 2-1 through ADD 2- 3 and attached Schmidt Associates Addendum No. 2 dated September 19, 2023, consisting of 6 pages, Specification Sections 085113 – Aluminum Windows, 087100 – Door Hardware, 095113 – Acoustical Panel Ceilings, 101100 – Visual Display Surfaces, 107316.99 – Translucent Canopy Systems, 123553 – Laboratory Casework, 123200 – Manufactured Wood Casework, 233300 – Air Duct Accessories, 233423 – HVAC Power Ventilators, 275224.99 – Cafetorium Sound System, and Drawing Sheets: 2-G-000, 1-G-101, 2-LP101, 2-LP102, 1-AD1A1, 1-AD1B1, 1-AD1C1, 1-AD1D1, 1-AC1A1, 1-AC1B1, 1-AC1C1, 1-AC1D1, 1-AD1D1, 1-AC1A1, 1-AC1B1, 1-AC1C1, 1-AC1D1, 1-A-510, 1-A-520, 1-A-600, 2-AD1A1, 2-AD1B1, 2-AD1C1, 2-AD1D1, 2-AD1E1, 2-AD1F1, 2-AD1G1, 2-AD1H1, 2-AD1J1, 2-AD1K1, 2-AD1L1, 2-AD1F2, 2-AD1G2, 2-AD1L2, 2-AF1A1, 2-AF1B1, 2-AF1D1, 2-AF1J1, 2-AF1K1, 2-AF1L1, 2-AF1L2, 2-AC1H1, 2-AC1K1, 2-AR100, 2-A-320, 2-A-321, 2-A-322, 2-A-400, 2-A-401, 2-A-404, 2-A-410, 2-A-500, 2-A-510, 2-A-511, 2-A-512, 2-A-513, 2-A-520, 2-A-600, 2-A-602, 3-AD1A1, 3-AD1A2, 3-AF1A1, 3-AC1A1, 3-AC1A2, 3-AR100, 3-A-210, 3-A-310, 3-A-600, 1-I-203, 1-I-601, 1-I-IN1A1, 2-I-204, 2-2-IP1K1, 2-MD1B1, 2-MD1C1, 2-MD1D1, 2-MD1E1, 2-MH1E1, 2-MP1A1, 2-MP1B1, 1-MP1C1, 2-MP1D1, 2-MP1E1, 2MP1F1, 2-MP1H1, 2-MP1K1, 2-MP1F2, 2-M-401, 2-M-402, 2-M-501, 2-M-502, 2-M-601, 2-PF1C1, 2-PP1C1, 2-P-901, 1-E-601, 2-EL1A1, 2-EL1B1, 2-EL1C1, 2-EL1L2, 2-E-601, 1-T-001, 1-TZ100, 1-TD1A1, 1-TD1B1, 1-TD1C1, 1-TD1D1, 1-T-F1A1, 1-TF1B1, 1-TF1C1, 1-TF1D1, 1-T-501, 1-T-502, 2-T-001, 2-TZ101, 2-TZ102, 2-TD1A1, 2-TD1B1, 2-TD1C1, 2-TD1D1, 2-TD1E1, 2-TD1F1, 2-TD1G1, 2-TD1H1, 2-TD1K1, 2-TD1L1, 2-TD2L1, 2-TF1A1, 2-TF1B1, 2-TF1C1, 2-TF1D1, 2-TF1E1, 2-TF1F1, 2-TF1F2, 2-TF1G1, 2-TF1G2, 2-TF1H1, 2-TF1J1, 2-TF1K1, 2-TF1L1, 2-TF1L2, 2-T-501, 2-T-502,

3-T-001, 3-TD101, 3-TF101, 3-TF102, and 3-T-501.

## **BID LOCATION**

Bids shall be dropped off and accepted at the following address on **September 28, 2023, until 2:00 PM eastern time:**

Northwestern School Corporation  
3075 N. Washington Street  
Kokomo, IN 46901

## **BID OPENING**

Due to limited space, the Bid Opening on Thursday, September 28, 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 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 10 73 20.99 Standing Seam Monolithic Polycarbonate Low Slope Canopy

##### **2. Add the following Specification Section:**

Section 10 73 16.99 Translucent Canopy Systems

3. Replace the following Clarifications:
  22. Include a **\$50,000** allowance for temporary interior partitions which may be required based on phased construction; work performed will be on a Time and Material basis as verified by Skillman's site manager.
  32. **Provide construction fencing and gates as indicated on Site Logistics Plans Howard ES SLP-01 and NW ES MS SLP-01 dated September 20, 2023.** Provide five (5) Construction grade padlocks keyed alike with freeze protection for gates/doors with a minimum of ten (10) keys for distribution to designated contractors and the Construction Administrator.

**F. Bid Category No. 6 – Glass & Glazing**

1. Replace the following Specification Section:  
Section 085113 Aluminum Windows

**I. Bid Category No. 9 – Casework**

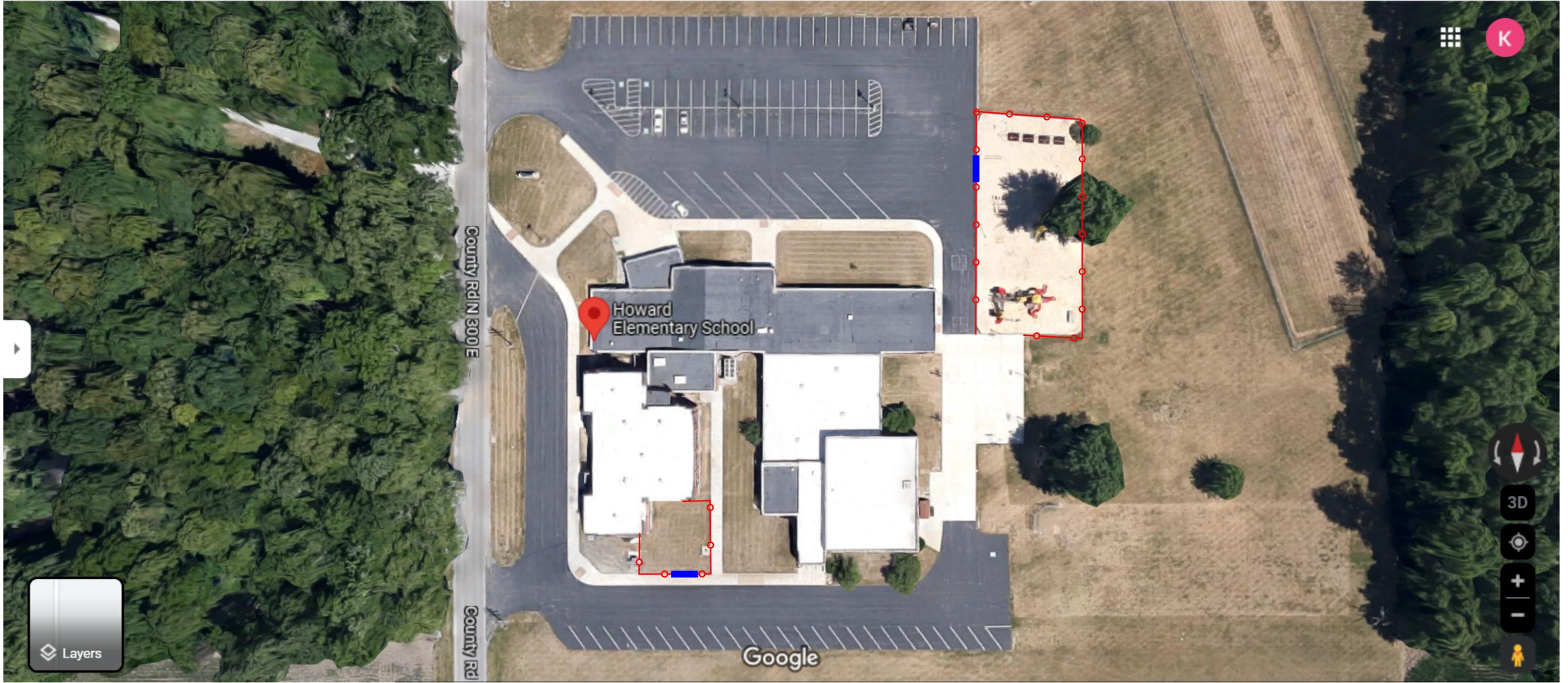
1. Delete the following Specification Section:  
Section 12 35 53.13 Metal Casework

**N. Bid Category No. 14 – Electrical & Technology**

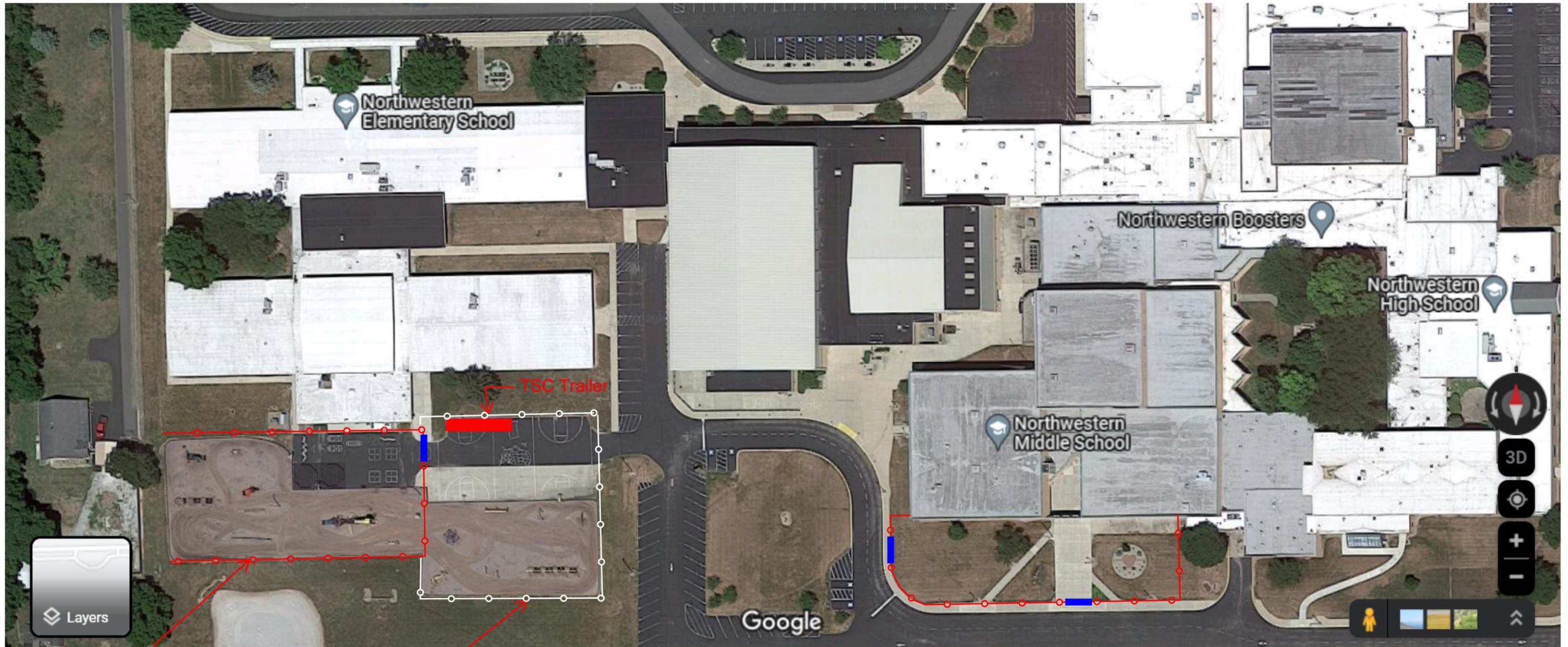
1. Add the following Specification Section:  
Section 275224 Cafetorium Sound System

**B. SPECIFICATION SECTION 01 32 00 SCHEDULES AND REPORTS**

1. Add the following Site Logistics Plans:
  - Howard ES SLP-01 dated September 20, 2023
  - NW ES MS SLP-01 dated September 20, 2023



—○—○—○—○— Construction Fence  
■ Construction Gate



East Fence For Phase I  
Playground Construction

Relocate East Fence/Add  
Fence After Completion of  
Playground Phase I

—○—○—○—○—○— Construction Fence  
■ Construction Gate

# **ADDENDUM NO. 2**

## **SEPTEMBER 19, 2023**

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

This Addendum consists of 6 Addendum page(s) and 261 attachment pages totaling 267 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 1 - CHANGES TO PRIOR ADDENDA (NOT APPLICABLE)**

### **PART 2 - CHANGES TO THE PROJECT MANUAL**

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

#### **2.1 DIVISION 08 – OPENINGS**

##### **A. Section 085113 “ALUMINUM WINDOWS”**

1. DELETE AND REPLACE Section 085113 per the attached.

##### **B. Section 087100 “DOOR HARDWARE”**

1. ADD Section 087100 per the attached.

#### **2.2 DIVISION 09 – FINISHES**

##### **A. Section 095113 “ACOUSTICAL PANEL CEILINGS”**

1. MODIFY Paragraph 2.4.G as follows:  
Change “Tegular” to “Square”
2. MODIFY Paragraph 2.5.A as follows:  
Delete “Clean Room VL (unperforated), Armstrong World Industries, Inc.”
3. MODIFY Paragraph 2.6.G as follows:  
Change “Tegular” to “Square”

## **2.3 DIVISION 10 – SPECIALTIES**

### **A. Section 101100 “VISUAL DISPLAY SURFACES”**

1. ADD Subparagraph 2.2., A., 1., c. as follows:  
“c. K-Pro Specialty Products”
2. ADD Subparagraph 2.3., 3 as follows:  
“3. K-Pro Specialty Products”
3. ADD Subparagraph 2.4., 3. as follows:  
“3. K-Pro Specialty Products”

### **B. Section 107316.99 “TRANSLUCENT CANOPY SYSTEMS”**

1. ADD Section 107316.99 in its entirety.

### **C. Section 107320.99 “STANDING SEAM MONOLITHIC POLYCARBONATE LOW SLOPE CANOPY”**

1. DELETE Section 107320.99 in its entirety.

## **2.4 DIVISION 12 – FURNISHINGS**

### **A. Section 123553.13 “METAL CASEWORK”**

1. DELETE Section in its entirety.

### **B. Section 123553 “LABORATORY CASEWORK”**

1. ADD Subparagraph 2.4., A., 6. as follows:  
“6. Euronique Casework.”

### **C. Section 123200 “MANUFACTURED WOOD CASEWORK”**

1. ADD Subparagraph 2.1., 1., e. as follows:  
“e. Euronique Casework.”

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

### **A. Section 233300 “AIR DUCT ACCESSORIES”**

1. ADD Subparagraph 2.4.A.1.i as follows:  
“i. Arrow United Industries”
2. ADD Subparagraph 2.5.A.8 as follows:  
“8. Louvers & Dampers.”

B. Section 233423 “HVAC POWER VENTILATORS”

1. ADD Subparagraph 2.1.A.11i as follows:

“11. Canarm.”

**2.6 DIVISION 27 – COMMUNICATIONS**

A. Section 275224.99 “CAFETORIUM SOUND SYSTEM”

1. ADD Section 275224 in its entirety.

**PART 3 - CHANGES TO THE DRAWINGS**

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

**3.1 DRAWING SHEETS: ADDITIONS, DELETIONS AND REPLACEMENTS**

DRAWING NO.	INDICATE ACTION: ADD (A), DELETE (D), DELETE & REPLACE (R),
<b>G-SERIES DRAWINGS</b>	
2-G-000	DELETE AND REPLACE
1-G-101	DELETE AND REPLACE
<b>C-SERIES DRAWINGS</b>	
2-LP101	DELETE AND REPLACE
2-LP102	DELETE
<b>A-SERIES DRAWINGS</b>	
1-AD1A1	DELETE AND REPLACE
1-AD1B1	DELETE AND REPLACE
1-AD1C1	DELETE AND REPLACE
1-AD1D1	DELETE AND REPLACE
1-AC1A1	DELETE AND REPLACE
1-AC1B1	DELETE AND REPLACE
1-AC1C1	DELETE AND REPLACE
1-AC1D1	DELETE AND REPLACE
1-A-510	DELETE AND REPLACE
1-A-520	DELETE AND REPLACE
1-A-600	DELETE AND REPLACE
2-AD1A1	DELETE AND REPLACE
2-AD1B1	DELETE AND REPLACE
2-AD1C1	DELETE AND REPLACE
2-AD1D1	DELETE AND REPLACE
2-AD1E1	DELETE AND REPLACE
2-AD1F1	DELETE AND REPLACE
2-AD1G1	DELETE AND REPLACE
2-AD1H1	DELETE AND REPLACE

2-AD1J1	DELETE AND REPLACE
2-AD1K1	DELETE AND REPLACE
2-AD1L1	DELETE AND REPLACE
2-AD1F2	DELETE AND REPLACE
2-AD1G2	DELETE AND REPLACE
2-AD1L2	DELETE AND REPLACE
2-AF1A1	DELETE AND REPLACE
2-AF1B1	DELETE AND REPLACE
2-AF1D1	DELETE AND REPLACE
2-AF1J1	DELETE AND REPLACE
2-AF1K1	DELETE AND REPLACE
2-AF1L1	DELETE AND REPLACE
2-AF1L2	DELETE AND REPLACE
2-AC1H1	DELETE AND REPLACE
2-AC1K1	DELETE AND REPLACE
2-AR100	DELETE AND REPLACE
2-A-320	DELETE AND REPLACE
2-A-321	DELETE AND REPLACE
2-A-322	ADD
2-A-400	DELETE AND REPLACE
2-A-401	DELETE AND REPLACE
2-A-404	ADD
2-A-410	DELETE AND REPLACE
2-A-500	DELETE AND REPLACE
2-A-510	DELETE AND REPLACE
2-A-511	DELETE AND REPLACE
2-A-512	DELETE AND REPLACE
2-A-513	DELETE AND REPLACE
2-A-520	DELETE AND REPLACE
2-A-600	DELETE AND REPLACE
2-A-602	DELETE AND REPLACE
3-AD1A1	DELETE AND REPLACE
3-AD1A2	DELETE AND REPLACE
3-AF1A1	DELETE AND REPLACE
3-AC1A1	DELETE AND REPLACE
3-AC1A2	DELETE AND REPLACE
3-AR100	DELETE AND REPLACE
3-A-210	DELETE AND REPLACE
3-A-310	DELETE AND REPLACE
3-A-600	DELETE AND REPLACE
<b>I-SERIES DRAWINGS</b>	
1-I-203	<b>DELETE AND REPLACE</b>
1-I-601	DELETE AND REPLACE
1-I-IN1A1	DELETE AND REPLACE
2-I-204	DELETE AND REPLACE
2-IP1K1	DELETE AND REPLACE
<b>M-SERIES DRAWINGS</b>	
2-MD1B1	<b>DELETE AND REPLACE</b>

	2-MD1C1	DELETE AND REPLACE
	2-MD1D1	DELETE AND REPLACE
2-MD1E1		DELETE AND REPLACE
	2-MH1E1	DELETE AND REPLACE
	2-MP1A1	DELETE AND REPLACE
	2-MP1B1	DELETE AND REPLACE
	1-MP1C1	DELETE AND REPLACE
	2-MP1D1	DELETE AND REPLACE
	2-MP1E1	DELETE AND REPLACE
	2-MP1F1	DELETE AND REPLACE
	2-MP1H1	DELETE AND REPLACE
	2-MP1K1	DELETE AND REPLACE
	2-MP1F2	DELETE AND REPLACE
	2-M-401	DELETE AND REPLACE
	2-M-402	DELETE AND REPLACE
	2-M-501	DELETE AND REPLACE
	2-M-502	DELETE AND REPLACE
	2-M-601	DELETE AND REPLACE
	<b>P-SERIES DRAWINGS</b>	
	2-PF1C1	<b>DELETE AND REPLACE</b>
	2-PP1C1	DELETE AND REPLACE
	2-P-901	DELETE AND REPLACE
<b>E-SERIES DRAWINGS</b>		
	1-E-601	<b>DELETE AND REPLACE</b>
	2-EL1A1	DELETE AND REPLACE
	2-EL1B1	DELETE AND REPLACE
2-EL1C1		DELETE AND REPLACE
	2-EL1L2	DELETE AND REPLACE
	2-E-601	
	<b>T-SERIES DRAWINGS</b>	
	1-T-001	DELETE AND REPLACE
	1-TZ100	DELETE AND REPLACE
	1-TD1A1	DELETE AND REPLACE
1-TD1B1		DELETE AND REPLACE
	1-TD1C1	DELETE AND REPLACE
	1-TD1D1	DELETE AND REPLACE
	1-T-F1A1	DELETE AND REPLACE
	1-TF1B1	DELETE AND REPLACE
	1-TF1C1	DELETE AND REPLACE
	1-TF1D1	DELETE AND REPLACE
	1-T-501	DELETE AND REPLACE
	1-T-502	DELETE AND REPLACE
	2-T-001	DELETE AND REPLACE
	2-TZ101	DELETE AND REPLACE
	2-TZ102	DELETE AND REPLACE
	2-TD1A1	DELETE AND REPLACE
	2-TD1B1	DELETE AND REPLACE

2-TD1C1	DELETE AND REPLACE
2-TD1D1	DELETE AND REPLACE
2-TD1E1	DELETE AND REPLACE
2-TD1F1	DELETE AND REPLACE
2-TD1G1	DELETE AND REPLACE
2-TD1H1	DELETE AND REPLACE
2-TD1K1	DELETE AND REPLACE
2-TD1L1	DELETE AND REPLACE
2-TD2L1	DELETE AND REPLACE
2-TF1A1	DELETE AND REPLACE
2-TF1B1	DELETE AND REPLACE
2-TF1C1	DELETE AND REPLACE
2-TF1D1	DELETE AND REPLACE
2-TF1E1	DELETE AND REPLACE
2-TF1F1	DELETE AND REPLACE
2-TF1F2	DELETE AND REPLACE
2-TF1G1	DELETE AND REPLACE
2-TF1G2	DELETE AND REPLACE
2-TF1H1	DELETE AND REPLACE
2-TF1J1	DELETE AND REPLACE
2-TF1K1	DELETE AND REPLACE
2-TF1L1	DELETE AND REPLACE
2-TF1L2	DELETE AND REPLACE
2-T-501	DELETE AND REPLACE
2-T-502	DELETE AND REPLACE
3-T-001	DELETE AND REPLACE
3-TD101	DELETE AND REPLACE
3-TF101	DELETE AND REPLACE
3-TF102	DELETE AND REPLACE
3-T-501	DELETE AND REPLACE

**END OF ADDENDUM 2**

SECTION 085113 - ALUMINUM WINDOWS

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

- A. Section includes aluminum windows for exterior locations.
- B. Related Requirements:
  - 1. Section 077100 "Roof Specialties" for coordinating finish with fenestration units.
  - 2. Section 084113 "Aluminum-Framed Entrances and Storefronts" for coordinating finish among aluminum fenestration units.
  - 3. Section 084413 "Glazed Aluminum Curtain Walls" for coordinating finish among aluminum fenestration units.
  - 4. Section 088000 "Glazing" for glass in windows.

1.3 ACTION SUBMITTALS

- A. Shop Drawings: For aluminum windows.
  - 1. Include plans, elevations, sections, hardware, accessories, insect screens, operational clearances, and details of installation, including anchor, flashing, and sealant installation.
- B. Samples for Verification: For aluminum windows and components required, showing full range of color variations for finishes, and prepared on Samples of size indicated below:
  - 1. Exposed Finishes: 2 by 4 inches .
    - a. Color Samples shall be submitted on same material as final application. Photographic, digital, or other Sample material is not acceptable.

1.4 INFORMATIONAL SUBMITTALS

- A. Product Test Reports: For each type of aluminum window, for tests performed by a qualified testing agency.

## 1.5 QUALITY ASSURANCE

- A. **Manufacturer Qualifications:** A manufacturer capable of fabricating aluminum windows that meet or exceed performance requirements indicated and of documenting this performance by test reports and calculations.
- B. **Installer Qualifications:** An installer acceptable to aluminum window manufacturer for installation of units required for this Project.
- C. **Mockups:** Build mockups to verify selections made under Sample submittals, to demonstrate aesthetic effects, and to set quality standards for materials and execution.
  - 1. Build mockup of typical wall area as shown on Drawings.
  - 2. Approval of mockups does not constitute approval of deviations from the Contract Documents contained in mockups unless Architect specifically approves such deviations in writing.
  - 3. Subject to compliance with requirements, approved mockups may become part of the completed Work if undisturbed at time of Substantial Completion.

## 1.6 WARRANTY

- A. **Manufacturer's Warranty:** Manufacturer agrees to repair or replace aluminum windows that fail in materials or workmanship within specified warranty period.
  - 1. Failures include, but are not limited to, the following:
    - a. Failure to meet performance requirements.
    - b. Structural failures including excessive deflection, water leakage, condensation, and air infiltration.
    - c. Faulty operation of movable sash and hardware.
    - d. Deterioration of materials and finishes beyond normal weathering.
    - e. Failure of insulating glass.
  - 2. **Warranty Period:**
    - a. Window: 10 years from date of Substantial Completion.
    - b. Glazing Units: 10 years from date of Substantial Completion.
    - c. Aluminum Finish: 20 years from date of Substantial Completion.

## PART 2 - PRODUCTS

### 2.1 MANUFACTURERS

- A. **Source Limitations:** Obtain aluminum windows from single source from single manufacturer.

## 2.2 WINDOW PERFORMANCE REQUIREMENTS

- A. Product Standard: Comply with AAMA/WDMA/CSA 101/I.S.2/A440 for definitions and minimum standards of performance, materials, components, accessories, and fabrication unless more stringent requirements are indicated.
  - 1. Window Certification: AAMA certified with label attached to each window.
- B. Performance Class and Grade: AAMA/WDMA/CSA 101/I.S.2/A440 as follows:
  - 1. Minimum Performance Class: AW.
  - 2. Minimum Performance Grade: 80.
- C. Thermal Transmittance: NFRC 100 maximum whole-window U-factor of 0.50 Btu/sq. ft. x h x deg F.
- D. Solar Heat-Gain Coefficient (SHGC): NFRC 200 maximum whole-window SHGC of 0.40.
- E. Condensation-Resistance Factor (CRF): Provide aluminum windows tested for thermal performance according to AAMA 1503, as follows:
  - 1. CRF for frame: Not less than 70.
  - 2. CRF for glass: Not less than 66.
- F. Thermal Movements: Provide aluminum windows, including anchorage, that allow for thermal movements resulting from the following maximum change (range) in ambient and surface temperatures by preventing buckling, opening of joints, overstressing of components, failure of joint sealants, failure of connections, and other detrimental effects. Base engineering calculation on surface temperatures of materials due to both solar heat gain and nighttime-sky heat loss.
  - 1. Temperature Change: 120 deg F ambient; 180 deg F material surfaces.
- G. Sound Transmission Class (STC): Rated for not less than 33 STC when tested for laboratory sound transmission loss according to ASTM E 90 and determined by ASTM E 413.
- H. Outside-Inside Transmission Class (OITC): Rated for not less than 26 OITC when tested for laboratory sound transmission loss according to ASTM E 90 and determined by ASTM E 1332.
- I. Forced Entry Resistance: Grade 10 in compliance with ASTM F 588.

## 2.3 ALUMINUM WINDOWS

- A. Basis-of-Design Product: Subject to compliance with requirements, provide "OptiQ Ultra Thermal Windows AA4325 Series" as manufactured by Kawneer, an Alcoa Company or comparable product by one of the following:
  - 1. EFCO Corporation.
  - 2. Graham Architectural Products Corporation.

3. Peerless Products Inc.
  4. Wausau Window and Wall Systems; Apogee Wausau Group.
- B. Operating Types: Provide the following operating types in locations indicated on Drawings:
1. Hopper: Project in.
- C. Frames and Sashes: Aluminum extrusions complying with AAMA/WDMA/CSA 101/I.S.2/A440.
1. Thermally Improved Construction: Fabricate frames, sashes, and muntins with an integral, concealed, low-conductance thermal barrier located between exterior materials and window members exposed on interior side in a manner that eliminates direct metal-to-metal contact and is similar to construction utilized in "Basis of Design" model as determined by Architect.
- D. Glazing: Glass and glazing system are specified in Section 088000 "Glazing".
- E. Hardware, General: Provide manufacturer's standard hardware fabricated from aluminum, stainless steel, carbon steel complying with AAMA 907, or other corrosion-resistant material compatible with adjacent materials; designed to smoothly operate, tightly close, and securely lock windows, and sized to accommodate sash weight and dimensions.
1. Exposed Hardware Color and Finish: As selected by Architect from manufacturer's full range.
- F. Projected Window Hardware:
1. Gear-Type Rotary Operators: Complying with AAMA 901 when tested according to ASTM E 405, Method A. Provide operators that function without requiring the removal of interior screens or using screen wickets.
    - a. Type and Style: As selected by Architect from manufacturer's full range of types and styles.
  2. Hinges: Non-friction type, not less than two per sash.
  3. Lock: Dual lever handles, tie rod, and cam-action lock with keepers.
- G. Weather Stripping: Provide full-perimeter weather stripping for each operable sash unless otherwise indicated.
- H. Fasteners: Noncorrosive and compatible with window members, trim, hardware, anchors, and other components.
1. Exposed Fasteners: Do not use exposed fasteners to greatest extent possible. For application of hardware, use fasteners that match finish hardware being fastened.

## 2.4 ACCESSORIES

- A. Interior Trim: Extruded-aluminum profiles in sizes and configurations indicated on Drawings.

- B. Panning Trim: Extruded-aluminum profiles in sizes and configurations indicated on Drawings.
- C. Receptor System: Two-piece, snap-together, thermally broken, extruded-aluminum receptor system that anchors windows in place.

## 2.5 INSECT SCREENS

- A. General: Fabricate insect screens to integrate with window frame. Provide screen for each operable exterior sash. Screen wickets are not permitted.
  - 1. Type and Location: Full, inside for project-out sashes.
- B. Aluminum Frames: Manufacturer's standard aluminum alloy complying with SMA 1004 or SMA 1201. Fabricate frames with mitered or coped joints or corner extrusions, concealed fasteners, and removable PVC spline/anchor concealing edge of frame.
  - 1. Tubular Framing Sections and Cross Braces: Roll formed from aluminum sheet.
- C. Aluminum Wire Fabric: 18-by-16 mesh of 0.011-inch- diameter, coated aluminum wire.
  - 1. Wire-Fabric Finish: Natural bright.

## 2.6 FABRICATION

- A. Fabricate aluminum windows in sizes indicated. Include a complete system for assembling components and anchoring windows.
- B. Glaze aluminum windows in the factory.
- C. Weather strip each operable sash to provide weathertight installation.
- D. Weep Holes: Provide weep holes and internal passages to conduct infiltrating water to exterior.
- E. Complete fabrication, assembly, finishing, hardware application, and other work in the factory to greatest extent possible. Disassemble components only as necessary for shipment and installation.

## 2.7 GENERAL FINISH REQUIREMENTS

- A. Comply with NAAMM's "Metal Finishes Manual" for recommendations for applying and designating finishes.
- B. Protect mechanical finishes on exposed surfaces from damage by applying a strippable, temporary protective covering before shipping.

- C. Appearance of Finished Work: Noticeable variations in same piece are not acceptable. Variations in appearance of adjoining components are acceptable if they are within the range of approved Samples and are assembled or installed to minimize contrast.

## 2.8 ALUMINUM FINISHES

- A. Finish designations prefixed by AA comply with the system established by the Aluminum Association for designating aluminum finishes.
- B. Class I, Clear Anodic Finish: AA-M12C22A41 (Mechanical Finish: nonspecular as fabricated; Chemical Finish: etched, medium matte; Anodic Coating: Architectural Class I, clear coating 0.018 mm or thicker) complying with AAMA 611.
- C. High-Performance Organic Finish (Two-Coat Fluoropolymer): AA-C12C40R1x (Chemical Finish: cleaned with inhibited chemicals; Chemical Finish: conversion coating; Organic Coating: manufacturer's standard two-coat, thermocured system consisting of specially formulated inhibitive primer and fluoropolymer color topcoat containing not less than 70 percent polyvinylidene fluoride resin by weight). Prepare, pretreat, and apply coating to exposed metal surfaces to comply with AAMA 2605 and with coating and resin manufacturers' written instructions.
  - 1. Color and Gloss: As selected by Architect from full range of industry colors and color densities.

## PART 3 - EXECUTION

### 3.1 EXAMINATION

- A. Examine openings, substrates, structural support, anchorage, and conditions, with Installer present, for compliance with requirements for installation tolerances and other conditions affecting performance of the Work.
- B. Verify rough opening dimensions, levelness of sill plate, and operational clearances.
- C. Examine wall flashings, vapor retarders, water and weather barriers, and other built-in components to ensure weathertight window installation.
- D. Proceed with installation only after unsatisfactory conditions have been corrected.

### 3.2 INSTALLATION

- A. Comply with manufacturer's written instructions for installing windows, hardware, accessories, and other components. For installation procedures and requirements not addressed in manufacturer's written instructions, comply with installation requirements in ASTM E 2112.

- B. Install windows level, plumb, square, true to line, without distortion or impeding thermal movement, anchored securely in place to structural support, and in proper relation to wall flashing and other adjacent construction to produce weathertight construction.
- C. Install windows and components to drain condensation, water penetrating joints, and moisture migrating within windows to the exterior.
- D. Separate aluminum and other corrodible surfaces from sources of corrosion or electrolytic action at points of contact with other materials.

### 3.3 FIELD QUALITY CONTROL

- A. Testing Agency: Owner may engage a qualified testing agency to perform tests and inspections.
  - 1. Testing and inspecting agency will interpret tests and state in each report whether tested work complies with or deviates from requirements.
- B. Testing Services: Testing and inspecting of installed windows shall take place as follows:
  - 1. Testing Methodology: Testing of windows for air infiltration and water resistance shall be performed according to AAMA 502.
  - 2. Air-Infiltration Testing:
    - a. Test Pressure: That required to determine compliance with AAMA/WDMA/CSA 101/I.S.2/A440 performance class indicated.
    - b. Allowable Air-Leakage Rate: 1.5 times the applicable AAMA/WDMA/CSA 101/I.S.2/A440 rate for product type and performance class rounded down to one decimal place.
  - 3. Water-Resistance Testing:
    - a. Test Pressure: Two-thirds times test pressure required to determine compliance with AAMA/WDMA/CSA 101/I.S.2/A440 performance grade indicated.
    - b. Allowable Water Infiltration: No water penetration.
  - 4. Testing Extent: Three windows of each type as selected by Architect and a qualified independent testing and inspecting agency. Windows shall be tested after perimeter sealants have cured.
  - 5. Test Reports: Prepared according to AAMA 502.
- C. Windows will be considered defective if they do not pass tests and inspections.
- D. Prepare test and inspection reports.

### 3.4 ADJUSTING, CLEANING, AND PROTECTION

- A. Adjust operating sashes and hardware for a tight fit at contact points and weather stripping for smooth operation and weathertight closure.

- B. Clean exposed surfaces immediately after installing windows. Avoid damaging protective coatings and finishes. Remove excess sealants, glazing materials, dirt, and other substances.
  - 1. Keep protective films and coverings in place until final cleaning.
- C. Remove and replace glass that has been broken, chipped, cracked, abraded, or damaged during construction period.
- D. Protect window surfaces from contact with contaminating substances resulting from construction operations. If contaminating substances do contact window surfaces, remove contaminants immediately according to manufacturer's written instructions.

END OF SECTION

SECTION 087100 - DOOR HARDWARE

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

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

1.2 SUMMARY

- A. This Section includes commercial door hardware for the following:
  - 1. Swinging doors.
  - 2. Other doors to the extent indicated.
- B. Door hardware includes, but is not necessarily limited to, the following:
  - 1. Mechanical door hardware.
  - 2. Electromechanical door hardware.
  - 3. Automatic operators.
  - 4. Cylinders specified for doors in other sections.
- C. Related Sections:
  - 1. Division 08 Section "Hollow Metal Doors and Frames".
  - 2. Division 08 Section "Flush Wood Doors".
  - 3. Division 08 Section "Aluminum-Framed Entrances and Storefronts".
  - 4. Division 08 Section "Automatic Door Operators".
  - 5. Division 28 Section "Access Control Hardware Devices".
- D. Codes and References: Comply with the version year adopted by the Authority Having Jurisdiction.
  - 1. ANSI A117.1 - Accessible and Usable Buildings and Facilities.
  - 2. ICC/IBC - International Building Code.
  - 3. NFPA 70 - National Electrical Code.
  - 4. NFPA 80 - Fire Doors and Windows.
  - 5. NFPA 101 - Life Safety Code.
  - 6. NFPA 105 - Installation of Smoke Door Assemblies.
  - 7. UL/ULC and CSA C22.2 - Standards for Automatic Door Operators Used on Fire and Smoke Barrier Doors and Systems of Doors.
  - 8. State Building Codes, Local Amendments.

- E. Standards: All hardware specified herein shall comply with the following industry standards as applicable. Any undated reference to a standard shall be interpreted as referring to the latest edition of that standard:
  - 1. ANSI/BHMA Certified Product Standards - A156 Series.
  - 2. UL10C - Positive Pressure Fire Tests of Door Assemblies.
  - 3. ANSI/UL 294 - Access Control System Units.
  - 4. UL 305 - Panic Hardware.
  - 5. ANSI/UL 437- Key Locks.

### 1.3 SUBMITTALS

- A. Product Data: Manufacturer's product data sheets including installation details, material descriptions, dimensions of individual components and profiles, operational descriptions and finishes.
- B. Door Hardware Schedule: Prepared by or under the supervision of supplier, detailing, fabrication and assembly of door hardware, as well as procedures and diagrams. Coordinate the final Door Hardware Schedule with doors, frames, and related work to ensure proper size, thickness, hand, function, and finish of door hardware.
  - 1. Format: Comply with scheduling sequence and vertical format in DHI's "Sequence and Format for the Hardware Schedule."
  - 2. Organization: Organize the Door Hardware Schedule into door hardware sets indicating complete designations of every item required for each door or opening. Organize door hardware sets in same order as in the Door Hardware Sets at the end of Part 3. Submittals that do not follow the same format and order as the Door Hardware Sets will be rejected and subject to resubmission.
  - 3. Content: Include the following information:
    - a. Type, style, function, size, label, hand, and finish of each door hardware item.
    - b. Manufacturer of each item.
    - c. Fastenings and other pertinent information.
    - d. Location of door hardware set, cross-referenced to Drawings, both on floor plans and in door and frame schedule.
    - e. Explanation of abbreviations, symbols, and codes contained in schedule.
    - f. Mounting locations for door hardware.
    - g. Door and frame sizes and materials.
    - h. Warranty information for each product.
  - 4. Submittal Sequence: Submit the final Door Hardware Schedule at earliest possible date, particularly where approval of the Door Hardware Schedule must precede fabrication of other work that is critical in the Project construction schedule. Include Product Data, Samples, Shop Drawings of other work affected by door hardware, and other information essential to the coordinated review of the Door Hardware Schedule.
- C. Shop Drawings: Details of electrified access control hardware indicating the following:

1. Wiring Diagrams: Upon receipt of approved schedules, submit detailed system wiring diagrams for power, signaling, monitoring, communication, and control of the access control system electrified hardware. Differentiate between manufacturer-installed and field-installed wiring. Include the following:
    - a. Elevation diagram of each unique access controlled opening showing location and interconnection of major system components with respect to their placement in the respective door openings.
    - b. Complete (risers, point-to-point) access control system block wiring diagrams.
    - c. Wiring instructions for each electronic component scheduled herein.
  2. Electrical Coordination: Coordinate with related sections the voltages and wiring details required at electrically controlled and operated hardware openings.
- D. Keying Schedule: After a keying meeting with the owner has taken place prepare a separate keying schedule detailing final instructions. Submit the keying schedule in electronic format. Include keying system explanation, door numbers, key set symbols, hardware set numbers and special instructions. Owner must approve submitted keying schedule prior to the ordering of permanent cylinders/cores.
- E. Informational Submittals:
1. Product Test Reports: Indicating compliance with cycle testing requirements, based on evaluation of comprehensive tests performed by manufacturer and witnessed by a qualified independent testing agency.
- F. Operating and Maintenance Manuals: Provide manufacturers operating and maintenance manuals for each item comprising the complete door hardware installation in quantity as required in Division 01, Closeout Procedures.
- 1.4 QUALITY ASSURANCE
- A. Manufacturers Qualifications: Engage qualified manufacturers with a minimum 5 years of documented experience in producing hardware and equipment similar to that indicated for this Project and that have a proven record of successful in-service performance.
  - B. Certified Products: Where specified, products must maintain a current listing in the Builders Hardware Manufacturers Association (BHMA) Certified Products Directory (CPD).
  - C. Installer Qualifications: A minimum 3 years documented experience installing both standard and electrified door hardware similar in material, design, and extent to that indicated for this Project and whose work has resulted in construction with a record of successful in-service performance.
  - D. Door Hardware Supplier Qualifications: Experienced commercial door hardware distributors with a minimum 5 years documented experience supplying both mechanical and electromechanical hardware installations comparable in material, design, and extent to that indicated for this Project. Supplier recognized as a factory direct distributor by the manufacturers of the primary materials with a warehousing facility in Project's vicinity.

Supplier to have on staff a certified Architectural Hardware Consultant (AHC) available during the course of the Work to consult with Contractor, Architect, and Owner concerning both standard and electromechanical door hardware and keying.

- E. Automatic Operator Supplier Qualifications: Power operator products and accessories are required to be supplied and installed through the Norton Preferred Installer (NPI) program. Suppliers are to be factory trained, certified, and a direct purchaser of the specified power operators and be responsible for the installation and maintenance of the units and accessories indicated for the Project.
- F. Source Limitations: Obtain each type and variety of door hardware specified in this section from a single source unless otherwise indicated.
  - 1. Electrified modifications or enhancements made to a source manufacturer's product line by a secondary or third party source will not be accepted.
  - 2. Provide electromechanical door hardware from the same manufacturer as mechanical door hardware, unless otherwise indicated.
- G. Each unit to bear third party permanent label indicating compliance with the referenced testing standards.
- H. Keying Conference: Conduct conference to comply with requirements in Division 01 Section "Project Meetings." Keying conference to incorporate the following criteria into the final keying schedule document:
  - 1. Function of building, purpose of each area and degree of security required.
  - 2. Plans for existing and future key system expansion.
  - 3. Requirements for key control storage and software.
  - 4. Installation of permanent keys, cylinder cores and software.
  - 5. Address and requirements for delivery of keys.
- I. Pre-Submittal Conference: Conduct coordination conference in compliance with requirements in Division 01 Section "Project Meetings" with attendance by representatives of Supplier(s), Installer(s), and Contractor(s) to review proper methods and the procedures for receiving, handling, and installing door hardware.
  - 1. Prior to installation of door hardware, conduct a project specific training meeting to instruct the installing contractors' personnel on the proper installation and adjustment of their respective products. Product training to be attended by installers of door hardware (including electromechanical hardware) for aluminum, hollow metal and wood doors. Training will include the use of installation manuals, hardware schedules, templates and physical product samples as required.
  - 2. Inspect and discuss electrical roughing-in, power supply connections, and other preparatory work performed by other trades.
  - 3. Review sequence of operation narratives for each unique access controlled opening.
  - 4. Review and finalize construction schedule and verify availability of materials.
  - 5. Review the required inspecting, testing, commissioning, and demonstration procedures

- J. At completion of installation, provide written documentation that components were applied according to manufacturer's instructions and recommendations and according to approved schedule.

#### 1.5 DELIVERY, STORAGE, AND HANDLING

- A. Inventory door hardware on receipt and provide secure lock-up and shelving for door hardware delivered to Project site. Do not store electronic access control hardware, software or accessories at Project site without prior authorization.
- B. Tag each item or package separately with identification related to the final Door Hardware Schedule, and include basic installation instructions with each item or package.
- C. Deliver, as applicable, permanent keys, cylinders, cores, access control credentials, software and related accessories directly to Owner via registered mail or overnight package service. Instructions for delivery to the Owner shall be established at the "Keying Conference".

#### 1.6 COORDINATION

- A. Templates: Obtain and distribute to the parties involved templates for doors, frames, and other work specified to be factory prepared for installing standard and electrified hardware. Check Shop Drawings of other work to confirm that adequate provisions are made for locating and installing hardware to comply with indicated requirements.
- B. Door Hardware and Electrical Connections: Coordinate the layout and installation of scheduled electrified door hardware and related access control equipment with required connections to source power junction boxes, low voltage power supplies, detection and monitoring hardware, and fire and detection alarm systems.
- C. Door and Frame Preparation: Doors and corresponding frames are to be prepared, reinforced and pre-wired (if applicable) to receive the installation of the specified electrified, monitoring, signaling and access control system hardware without additional in-field modifications.

#### 1.7 WARRANTY

- A. General Warranty: Reference Division 01, General Requirements. Special warranties specified in this Article shall not deprive Owner of other rights Owner may have under other provisions of the Contract Documents and shall be in addition to, and run concurrent with, other warranties made by Contractor under requirements of the Contract Documents.
- B. Warranty Period: Written warranty, executed by manufacturer(s), agreeing to repair or replace components of standard and electrified door hardware that fails in materials or workmanship within specified warranty period after final acceptance by the Owner. Failures include, but are not limited to, the following:
  - 1. Structural failures including excessive deflection, cracking, or breakage.
  - 2. Faulty operation of the hardware.
  - 3. Deterioration of metals, metal finishes, and other materials beyond normal weathering.

- 4. Electrical component defects and failures within the systems operation.
- C. Warranty Period: Unless otherwise indicated, warranty shall be one year from date of Substantial Completion.

PART 2 - PRODUCTS

2.1 SCHEDULED DOOR HARDWARE

- A. General: Provide door hardware for each door to comply with requirements in Door Hardware Sets and each referenced section that products are to be supplied under.
- B. Designations: Requirements for quantity, item, size, finish or color, grade, function, and other distinctive qualities of each type of door hardware are indicated in the Door Hardware Sets at the end of Part 3. Products are identified by using door hardware designations, as follows:
  - 1. Named Manufacturer's Products: Product designation and manufacturer are listed for each door hardware type required for the purpose of establishing requirements. Manufacturers' names are abbreviated in the Door Hardware Schedule.
- C. Substitutions: Requests for substitution and product approval for inclusive mechanical and electromechanical door hardware in compliance with the specifications must be submitted in writing and in accordance with the procedures and time frames outlined in Division 01, Substitution Procedures. Approval of requests is at the discretion of the architect, owner, and their designated consultants.

2.2 BUTT HINGES

- A. Hinges: ANSI/BHMA A156.1 butt hinges with number of hinge knuckles and other options as specified in the Door Hardware Sets.
  - 1. Quantity: Provide the following hinge quantity:
    - a. Two Hinges: For doors with heights up to 60 inches.
    - b. Three Hinges: For doors with heights 61 to 90 inches.
    - c. Four Hinges: For doors with heights 91 to 120 inches.
    - d. For doors with heights more than 120 inches, provide 4 hinges, plus 1 hinge for every 30 inches of door height greater than 120 inches.
  - 2. Hinge Size: Provide the following, unless otherwise indicated, with hinge widths sized for door thickness and clearances required:
    - a. Widths up to 3'0": 4-1/2" standard or heavy weight as specified.
    - b. Sizes from 3'1" to 4'0": 5" standard or heavy weight as specified.
  - 3. Hinge Weight and Base Material: Unless otherwise indicated, provide the following:
    - a. Exterior Doors: Heavy weight, non-ferrous, ball bearing or oil impregnated bearing hinges unless Hardware Sets indicate standard weight.

- b. Interior Doors: Standard weight, steel, ball bearing or oil impregnated bearing hinges unless Hardware Sets indicate heavy weight.
- 4. Hinge Options: Comply with the following:
  - a. Non-removable Pins: With the exception of electric through wire hinges, provide set screw in hinge barrel that, when tightened into a groove in hinge pin, prevents removal of pin while door is closed; for the all out-swinging lockable doors.
- 5. Manufacturers:
  - a. Hager Companies (HA) - BB Series, 5 knuckle.
  - b. Ives (IV) - 5BB Series, 5 knuckle.
  - c. McKinney (MK) - TA/T4A Series, 5 knuckle.
  - d. dormakaba Best (ST) - F/FBB Series, 5 knuckle.

### 2.3 CONTINUOUS HINGES

- A. Continuous Geared Hinges: ANSI/BHMA A156.26 Grade 1-600 continuous geared hinge. with minimum 0.120-inch thick extruded 6063-T6 aluminum alloy hinge leaves and a minimum overall width of 4 inches. Hinges are non-handed, reversible and fabricated to template screw locations. Factory trim hinges to suit door height and prepare for electrical cut-outs.
  - 1. Manufacturers:
    - a. Hager Companies (HA).
    - b. Pemko (PE).
    - c. Select Hinges (SL).

### 2.4 POWER TRANSFER DEVICES

- A. Electrified Quick Connect Transfer Hinges: Provide electrified transfer hinges with Molex™ standardized plug connectors and sufficient number of concealed wires (up to 12) to accommodate the electrified functions specified in the Door Hardware Sets with a 1-year warranty. Connectors plug directly to through-door wiring harnesses for connection to electric locking devices and power supplies. Wire nut connections are not acceptable.
  - 1. Manufacturers:
    - a. Hager Companies (HA) - ETW-QC (# wires) Option.
    - b. McKinney (MK) - QC (# wires) Option.
    - c. Dormakaba Best (ST) - C Option.
- B. Concealed Quick Connect Electric Power Transfers: Provide concealed wiring pathway housing mortised into the door and frame for low voltage electrified door hardware. Furnish with Molex™ standardized plug connectors and sufficient number of concealed wires (up to 12) to accommodate the electrified functions specified in the Door Hardware Sets. Connectors plug directly to through-door wiring harnesses for connection to electric locking devices and power supplies. Wire nut connections are not acceptable.

1. Manufacturers:
  - a. Pemko (PE) - EL-CEPT Series.
  - b. Securitron (SU) - EL-CEPT Series.
  - c. Dormakaba Best (ST) EPT-12C Series.
  - d. Von Duprin (VD) - EPT-10 Series.

C. Electric Door Wire Harnesses: Provide electric/data transfer wiring harnesses with standardized plug connectors to accommodate up to twelve (12) wires. Connectors plug directly to through-door wiring harnesses for connection to electric locking devices and power supplies. Provide sufficient number and type of concealed wires to accommodate electric function of specified hardware. Provide a connector for through-door electronic locking devices and from hinge to junction box above the opening. Wire nut connections are not acceptable. Determine the length required for each electrified hardware component for the door type, size and construction, minimum of two per electrified opening.

1. Provide one each of the following tools as part of the base bid contract:
  - a. McKinney (MK) - Electrical Connecting Kit: QC-R001.
  - b. McKinney (MK) - Connector Hand Tool: QC-R003.
2. Manufacturers:
  - a. Hager Companies (HA) - Quick Connect.
  - b. McKinney (MK) - QC-C Series.
  - c. Dormakaba Best (ST) - WH Series.

## 2.5 DOOR OPERATING TRIM

- A. Flush Bolts and Surface Bolts: Provide products conforming to ANSI/BHMA A156.3 and A156.16, Grade 1.
  1. Flush bolts to be furnished with top rod of sufficient length to allow bolt retraction device location approximately six feet from the floor.
  2. Furnish dust proof strikes for bottom bolts.
  3. Surface bolts to be minimum 8" in length and U.L. listed for labeled fire doors and U.L. listed for windstorm components where applicable.
  4. Provide related accessories (mounting brackets, strikes, coordinators, etc.) as required for appropriate installation and operation.
  5. Manufacturers:
    - a. Burns Manufacturing (BU).
    - b. Door Controls International (DC).
    - c. Rockwood (RO).
    - d. Trimco (TC).
- B. Coordinators: ANSI/BHMA A156.3 door coordinators consisting of active-leaf, hold-open lever and inactive-leaf release trigger. Model as indicated in hardware sets.

1. Manufacturers:
  - a. Burns Manufacturing (BU).
  - b. Door Controls International (DC).
  - c. Rockwood (RO).
  - d. Trimco (TC).

C. Door Push Plates and Pulls: ANSI/BHMA A156.6 door pushes and pull units of type and design specified in the Hardware Sets. Coordinate and provide proper width and height as required where conflicting hardware dictates.

1. Push/Pull Plates: Minimum .050 inch thick, size as indicated in hardware sets, with beveled edges, secured with exposed screws unless otherwise indicated.
2. Door Pull and Push Bar Design: Size, shape, and material as indicated in the hardware sets. Minimum clearance of 2 1/2-inches from face of door unless otherwise indicated.
3. Offset Pull Design: Size, shape, and material as indicated in the hardware sets. Minimum clearance of 2 1/2-inches from face of door and offset of 90 degrees unless otherwise indicated.
4. Pulls, where applicable, shall be provided with a 10” clearance from the finished floor on the push side to accommodate wheelchair accessibility.
5. Fasteners: Provide manufacturer's designated fastener type as indicated in Hardware Sets.
6. Manufacturers:
  - a. Burns Manufacturing (BU).
  - b. Hiawatha, Inc. (HI).
  - c. Rockwood (RO).
  - d. Trimco (TC).

## 2.6 CYLINDERS AND KEYING

A. General: Cylinder manufacturer to have minimum (10) years experience designing secured master key systems and have on record a published security keying system policy.

1. Manufacturers:
  - a. Sargent Manufacturing (SA).
  - b. Match Existing, Field Verify.
  - c. No Substitution.

B. Cylinder Types: Original manufacturer cylinders able to supply the following cylinder formats and types:

1. Threaded mortise cylinders with rings and cams to suit hardware application.
2. Rim cylinders with back plate, flat-type vertical or horizontal tailpiece, and raised trim ring.
3. Bored or cylindrical lock cylinders with tailpieces as required to suit locks.
4. Tubular deadlocks and other auxiliary locks.
5. Mortise and rim cylinder collars to be solid and recessed to allow the cylinder face to be flush and be free spinning with matching finishes.

6. Keyway: Match Facility Restricted Keyway.
- C. Large Format Interchangeable Cores: Provide removable cores (LFIC) as specified, core insert, removable by use of a special key, and for use with only the core manufacturer's cylinder and door hardware.
- D. High Security Cylinders: ANSI/BHMA A156.5, Grade 1 Certified Products Directory (CPD) listed cylinders certified to UL437, including pick and drill resistance. Pick resistance to incorporate two or more independent locking mechanisms including a pin tumbler device with five or six pin chambers, mushroom-shaped driver pins, and sidebar locking mechanism operated independently from the six top pin tumbler device. Drill resistance to incorporate cylinder housing with fixed case-hardened inserts protecting the pin tumbler shear line, cylinder plugs with case-hardened inserts protecting both the pin tumbler shear line and the side bar, mushroom-shaped stainless steel driver pins, and stainless steel side pins.
  1. New high security key systems shall not be established with products that have an expired patent. Expired systems shall only be specified and supplied to support existing systems.
  2. Manufacturers:
    - a. Sargent (SA) - KESO UL.
    - b. No Substitution.
- E. Patented Cylinders: ANSI/BHMA A156.5, Grade 1 Certified Products Directory (CPD) listed cylinders employing a utility patented and restricted keyway requiring the use of a patented key. Cylinders are to be protected from unauthorized manufacture and distribution by manufacturer's United States patents.
  1. Patented key systems shall not be established with products that have an expired patent. Expired systems shall only be specified and supplied to support existing systems.
  2. Manufacturers:
    - a. Sargent (SA) - Degree DG1.
    - b. No Substitution.
- F. Keying System: Each type of lock and cylinders to be factory keyed.
  1. Supplier shall conduct a "Keying Conference" to define and document keying system instructions and requirements.
  2. Furnish factory cut, nickel-silver large bow permanently inscribed with a visual key control number as directed by Owner.
  3. Existing System: Field verify and key cylinders to match Owner's existing system.
- G. Key Quantity: Provide the following minimum number of keys:
  1. Change Keys per Cylinder: Two (2)
  2. Master Keys (per Master Key Level/Group): Five (5).
  3. Construction Keys (where required): Ten (10).
  4. Construction Control Keys (where required): Two (2).
  5. Permanent Control Keys (where required): Two (2).

- H. Construction Keying: Provide construction master keyed cylinders.
- I. Construction Keying: Provide temporary keyed construction cores.
- J. Key Registration List (Bitting List):
  - 1. Provide keying transcript list to Owner's representative in the proper format for importing into key control software.
  - 2. Provide transcript list in writing or electronic file as directed by the Owner.

## 2.7 MORTISE LOCKS AND LATCHING DEVICES

- A. Mortise Locksets, Grade 1 (Heavy Duty): Provide ANSI/BHMA A156.13, Series 1000, Operational and Security Grade 1 Certified Products Directory (CPD) listed mortise locksets. Listed manufacturers shall meet all features and functionality as specified herein.
  - 1. Provide locksets with functions and features as follows:
    - a. Heavy duty 12-gauge wrought steel case.
    - b. Stainless steel 3/4" one-piece anti-friction reversible latchbolt with a one-piece hardened stainless steel 1" projection deadbolt.
    - c. Meets UL and CUL Standard 10C Positive Pressure, Fire Test of Door Assemblies with levers that meet A117.1 Accessibility Code.
    - d. Meets Florida Building Code FL2998 and UL Certification Directory ZHEM.R21744 for latching hardware for hurricane requirements.
    - e. Meets UL Certification Directory ZHLL.R21744 for products used in windstorm rated assemblies.
    - f. Extended cycle test: Locks to have been cycle tested in ordinance with ANSI/BHMA 156.13 requirements to 12.3 million cycles or greater.
    - g. Extended cycle test: Locks to have been cycle tested in ordinance with ANSI/BHMA 156.13 requirements to 14.5 million cycles or greater.
    - h. Extended cycle test: Locks to have been cycle tested in ordinance with ANSI/BHMA 156.13 requirements to 16 million cycles or greater.
    - i. Status indicators inside, outside, or on both sides of doors as specified; available with wording for "locked/unlocked", "vacant/occupied" or custom wording options. Indicator to be located above the cylinder with the inside thumb-turn not blocking the visibility of the indicator status.
    - j. Ten-year limited warranty for mechanical functions.
  - 2. Electromechanical locksets shall have the following features and functionality:
    - a. Electromechanical locksets shall be provided with universal Molex plug-in connectors that have standardized color-coded wiring and be available in fail safe or fail secure and operate from 12vdc to 24vdc regulated.
    - b. EcoFlex or equivalent technology that reduces energy consumption up to 92% as certified by GreenCircle.
    - c. Options to be available for request-to-exit or enter signaling, latchbolt and deadbolt monitoring.

- d. Optional high security monitoring with internal end-of-line monitoring alongside deadbolt privacy and integrated door position monitoring.
- e. Two-year limited warranty on electrified functions.

3. Manufacturers:

- a. Arrow, formerly known as Yale (YA) - 8800FL Series.
- b. Corbin Russwin Hardware (RU) - ML2000 Series.
- c. dormakaba Best (BE) - 45H Series.
- d. Sargent Manufacturing (SA) - 8200 Series.
- e. Schlage (SC) - L9000 Series.
- f. No Substitution.

## 2.8 CYLINDRICAL LOCKS AND LATCHING DEVICES

### A. Cylindrical Locksets, Grade 1 (Heavy Duty): ANSI/BHMA A156.2, Series 4000, Operational Grade 1 Certified Products Directory (CPD) listed.

1. Provide locksets with functions and features as follows:

- a. Meets ANSI/BHMA A156.41 for single motion egress.
- b. Meets UL and CUL Standard 10C Positive Pressure, Fire Test of Door Assemblies with levers that meet A117.1 Accessibility Code.
- c. Meets Florida Building Code FL2998 and UL Certification Directory ZHEM.R21744 for latching hardware for hurricane requirements.
- d. Meets UL Certification Directory ZHLL.R21744 for products used in windstorm rated assemblies.
- e. Extended cycle test: Locks to have been cycle tested in ordinance with ANSI/BHMA 156.13 requirements to 20 million cycles or greater.
- f. Exceeds ANSI/BHMA A156.2 requirements by 2.6 times for 3,100 in-lb. abusive locked lever torque with no entry while maintaining egress.
- g. Exceeds ANSI/BHMA A156.2 requirements by 8 times for 1,600 lbs. offset lever pull with no entry for protection against attacks.
- h. Exceeds ANSI/BHMA A156.3 requirements by 2 times for latch retraction with 100 lb. preload while maintaining operation in warped doors.
- i. Exceeds ANSI/BHMA A156.3 requirements by 20 times for no access with minimum 100 vertical impacts for protection against vandalism attempts.
- j. Independent return springs allow lock to exceed ANSI/BHMA A156.2 Grade 1 cycle requirements without lever sag.
- k. Ten-year limited warranty for mechanical functions.

2. Electromechanical locksets shall have the following features and functionality:

- a. Universal Molex plug-in connectors that have standardized color-coded wiring and are field configurable in fail safe or fail secure and operate from 12vdc to 24vdc regulated.
- b. EcoFlex or equivalent technology that reduces energy consumption up to 92% as certified by GreenCircle.

- c. Options to be available for request-to-exit or enter signaling, latchbolt and deadbolt monitoring.
    - d. Two-year limited warranty on electrified functions.
  - 3. Manufacturers:
    - a. Arrow, formerly known as Yale (YA) - 5400LN Series.
    - b. Corbin Russwin Hardware (RU) - CLX3300 Series.
    - c. dormakaba Best (BE) - 9K Series.
    - d. Sargent Manufacturing (SA) - 10X Line.
    - e. Schlage (SC) - ND Series.
    - f. No Substitution.
- B. Narrow Stile Interconnected Locksets:
  - 1. Interconnected locksets designed with a mortise case which contains both a latchbolt and deadbolt and allows simultaneous retraction of both the latchbolt and deadbolt with a single motion turning of the lever handle.
  - 2. Locksets to be non-handed and available with a 1 1/8" or 1 1/2" standard backset.
  - 3. Latchbolt and deadbolt shall be fabricated of wrought brass and bronze with a minimum 3/4" latchbolt throw and 1" deadbolt throw.
  - 4. Manufacturers:
    - a. Adams Rite (AD) - 2190/2290 Series.
    - b. No Substitution.

2.9 MULTI-POINT LOCKS AND LATCHING DEVICES

2.10 ELECTROMECHANICAL LOCKING DEVICES

2.11 AUXILIARY LOCKS

- A. Mortise Deadlocks, Small Case: ANSI/BHMA A156.36, Grade 1, small case mortise type deadlocks constructed of heavy gauge wrought corrosion resistant steel. Steel or stainless steel bolts with a 1" throw and hardened steel roller pins. Deadlocks to be products of the same source manufacturer and keyway as other specified locksets.
  - 1. Manufacturers:
    - a. Sargent Manufacturing (SA) - 4870 Series.
    - b. No Substitution.
- B. Narrow Case Deadlocks and Deadlatches: ANSI/BHMA 156.13 Series 1000 Grade 1 narrow case deadlocks and deadlatches for swinging or sliding door applications. All functions shall be manufactured in a single sized case formed from 12 gauge minimum, corrosion resistant steel (option for fully stainless steel case and components). Provide minimum 2 7/8" throw laminated stainless steel bolt. Bottom rail deadlocks to have 3/8" diameter bolts.
  - 1. Manufacturers:

- a. Adams Rite Manufacturing (AD) - MS1850S / MS1950 Series.

## 2.12 LOCK AND LATCH STRIKES

- A. Strikes: Provide manufacturer's standard strike with strike box for each latch or lock bolt, with curved lip extended to protect frame, finished to match door hardware set, unless otherwise indicated, and as follows:
  1. Flat-Lip Strikes: For locks with three-piece antifriction latchbolts, as recommended by manufacturer.
  2. Extra-Long-Lip Strikes: For locks used on frames with applied wood casing trim.
  3. Aluminum-Frame Strike Box: Provide manufacturer's special strike box fabricated for aluminum framing.
  4. Double-lipped strikes: For locks at double acting doors. Furnish with retractable stop for rescue hardware applications.
- B. Standards: Comply with the following:
  1. Strikes for Mortise Locks and Latches: BHMA A156.13.
  2. Strikes for Bored Locks and Latches: BHMA A156.2.
  3. Strikes for Auxiliary Deadlocks: BHMA A156.36.
  4. Dustproof Strikes: BHMA A156.16.

## 2.13 CONVENTIONAL EXIT DEVICES

- A. General Requirements: All exit devices specified herein shall meet or exceed the following criteria:
  1. Exit devices shall have a five-year warranty.
  2. At doors not requiring a fire rating, provide devices complying with NFPA 101 and listed and labeled for "Panic Hardware" according to UL305. Provide proper fasteners as required by manufacturer including sex nuts and bolts at openings specified in the Hardware Sets.
  3. Where exit devices are required on fire rated doors, provide devices complying with NFPA 80 and with UL labeling indicating "Fire Exit Hardware". Provide devices with the proper fasteners for installation as tested and listed by UL. Consult manufacturer's catalog and template book for specific requirements.
  4. Except on fire rated doors, provide exit devices with hex key dogging device to hold the pushbar and latch in a retracted position. Provide optional keyed cylinder dogging on devices where specified in Hardware Sets.
  5. Devices must fit flat against the door face with no gap that permits unauthorized dogging of the push bar. The addition of filler strips is required in any case where the door light extends behind the device as in a full glass configuration.
  6. Flush End Caps: Provide flush end caps made of architectural metal in the same finish as the devices as in the Hardware Sets. Plastic end caps will not be acceptable.
  7. Lever Operating Trim: Where exit devices require lever trim, furnish manufacturer's heavy duty escutcheon trim with threaded studs for thru-bolts.

- a. Lock Trim Design: As indicated in Hardware Sets, provide finishes and designs to match that of the specified locksets.
  - b. Where function of exit device requires a cylinder, provide a cylinder (Rim or Mortise) as specified in Hardware Sets.
8. Vertical Rod Exit Devices: Where surface or concealed vertical rod exit devices are used at interior openings, provide as less bottom rod (LBR) unless otherwise indicated. Provide dust proof strikes where thermal pins are required to project into the floor.
9. Narrow Stile Applications: At doors constructed with narrow stiles, or as specified in Hardware Sets, provide devices designed for maximum 2” wide stiles.
10. Dummy Push Bar: Nonfunctioning push bar matching functional push bar.
11. Rail Sizing: Provide exit device rails factory sized for proper door width application.
12. Through Bolt Installation: For exit devices and trim as indicated in Door Hardware Sets.
- B. Conventional Push Rail Exit Devices (Heavy Duty): ANSI/BHMA A156.3, Grade 1 Certified Products Directory (CPD) listed panic and fire exit hardware devices furnished in the functions specified in the Hardware Sets. Exit device latch to be stainless steel, pullman type, with deadlock feature.
- 1. Extended cycle test: Exit devices to have been cycle tested in ordinance with ANSI/BHMA 156.3 requirements to 5 million cycles or greater.
  - 2. Manufacturers:
    - a. Sargent Manufacturing (SA) - 80 Series.
    - b. No Substitution.
- C. Steel Removable Mullions: ANSI/BHMA A156.3 steel removable mullions with options for fire rating, locking, through-wire electrification and hurricane compliance as specified.
- 1. Manufacturers:
    - a. Same as exit device manufacturer.

2.14 ELECTROMECHANICAL EXIT DEVICES

- A. Electromechanical Push Rail Exit Devices (Heavy Duty): ANSI/BHMA A156.3, Grade 1 Certified Products Directory (CPD) listed panic and fire exit hardware devices subject to same compliance standards and requirements as mechanical exit devices. Electrified exit devices to be of type and design as specified below and in the hardware sets.
- 1. Where conventional power supplies are not sufficient, include any specific controllers required to provide the proper inrush current.
  - 2. Motorized Electric Latch Retraction: Devices with an electric latch retraction feature must use motors which have a maximum current draw of 600mA. Solenoid driven latch retraction is not acceptable.
  - 3. Manufacturers:
    - a. Sargent Manufacturing (SA) - 80 Series.
    - b. No Substitution.

2.15 SMALL BUSINESS ACCESS CONTROL SOLUTIONS

A. Small Business Access Control Cylindrical Locksets: ANSI/BHMA A156.2, Series 4000, Operational Grade 1 Certified Products Directory (CPD) listed.

1. Provide locksets with functions and features as follows:
  - a. Mechanical key or Bluetooth mobile access.
  - b. Meets UL and CUL Standard 10C Positive Pressure, Fire Test of Door Assemblies with levers that meet A117.1 Accessibility Code.
  - c. Meets IP57 weather resistance to allow full exposure to both sides of the door.
  - d. Is FCC/IC certified.
  - e. Operates one year on four AA batteries with exterior emergency 9VDC power backup.
  - f. Unique LED for lock events and alarms with key in lever design for fixed core and configurable automatic relock.
  - g. Wireless door position sensing (DPS).
  - h. Privacy credential lockout available and passage mode locally enabled.
  - i. Shall maintain audits, events and alarms in lock history and communicates through Bluetooth low energy.
  - j. Over the air firmware updating using Bluetooth low energy.
2. Manufacturers:
  - a. Centrios (CE) - CEB Series.
  - b. No Substitution.

B. Small Business Access Control Readers: Readers that enable unlocking of openings with electrified hardware.

1. Provide readers with functions and features as follows:
  - a. Meets A117.1 Accessibility Code and is FCC/IC certified.
  - b. Two relays with one programmable from 0-30 seconds. Request to exit and door position switch inputs. Triggers auto-operator on delay.
  - c. Dedicated power source recommended; 12-24 VDC with relays tested up to 2 amps.
  - d. Frame mount, wall mount, or J-box mount options with simple installation; 2 screws and back plate.
2. Manufacturers:
  - a. Centrios (CE) - CER Series.
  - b. No Substitution.

C. Small Business Access Control Kits: Where specified provide kits with access control hardware appropriate for the application.

1. Kits shall include the following products as appropriate for each opening.

- a. Centrios Access Control Reader.
  - b. Electric Strike.
  - c. Power Supply.
  - d. Request to exit station with hand-wave motion activation.
  - e. Door Position Switch.
2. Manufacturers:
- a. Centrios (CE).
  - b. No Substitution.
- D. Small Business Access Control Software Plan: Owner is responsible for selecting and providing Centrios Plan and required equipment to support the number of openings and users for the facility.
1. Provide software with functions and features as follows:
- a. Mobile and web-based applications.
  - b. Bluetooth low energy credentials with asymmetric cryptography.
  - c. Customizable user schedules.
2. Manufacturers:
- a. Centrios (CE).
  - b. No Substitution.
- 2.16 DOOR CLOSERS
- A. All door closers specified herein shall meet or exceed the following criteria:
- 1. General: Door closers to be from one manufacturer, matching in design and style, with the same type door preparations and templates regardless of application or spring size. Closers to be non-handed with full sized covers.
  - 2. Standards: Closers to comply with UL-10C for Positive Pressure Fire Test and be U.L. listed for use of fire rated doors.
  - 3. Size of Units: Comply with manufacturer's written recommendations for sizing of door closers depending on size of door, exposure to weather, and anticipated frequency of use. Where closers are indicated for doors required to be accessible to the Americans with Disabilities Act, provide units complying with ANSI ICC/A117.1.
  - 4. Closer Arms: Provide heavy duty, forged steel closer arms unless otherwise indicated in Hardware Sets.
  - 5. Closers shall not be installed on exterior or corridor side of doors; where possible install closers on door for optimum aesthetics.
  - 6. Closer Accessories: Provide door closer accessories including custom templates, special mounting brackets, spacers and drop plates as required for proper installation. Provide through-bolt and security type fasteners as specified in the hardware sets.
- B. Door Closers, Surface Mounted (Heavy Duty): ANSI/BHMA A156.4, Grade 1 Certified Products Directory (CPD) listed surface mounted, heavy duty door closers with complete spring

power adjustment, sizes 1 thru 6; and fully operational adjustable according to door size, frequency of use, and opening force. Closers to be rack and pinion type, one piece cast iron or aluminum alloy body construction, with adjustable backcheck and separate non-critical valves for closing sweep and latch speed control. Provide non-handed units standard.

1. Heavy duty surface mounted door closers shall have a 30-year warranty.
2. Manufacturers:
  - a. Corbin Russwin Hardware (RU) - DC8000 Series.
  - b. dormakaba (DO) - 8900 Series.
  - c. Sargent Manufacturing (SA) - 351 Series.

## 2.17 ELECTROMECHANICAL DOOR OPERATORS

- A. Electromechanical Door Operators (High Traffic): Provide ANSI/BHMA A156.19 Certified Products Directory (CPD) listed low energy operators that are UL325/991 and UL10C certified and comply with requirements for the Americans with Disabilities Act (ADA). Operators shall accommodate openings up to 250 pounds and 48” wide.

1. Provide operators with features as follows:
  - a. Non-handed with push and pull side mounting.
  - b. Activation by push button, hands-free or radio frequency devices.
  - c. Adjustable opening force and closing power.
  - d. Two-year limited warranty.
  - e. Wi-Fi interface.
  - f. Mounting backplate to simplify and speed up installation.
  - g. Integration with access control systems.
2. Operators shall have the following functionality:
  - a. Adjustable Hold Open: Amount of time a door will stay in the full open position after an activation.
  - b. Blow Open for Smoke Ventilation: Door opens when signal is received from alarm system allowing air or smoke to flow through opening. Door will stay open until signal from alarm system is stopped.
  - c. Emergency Interface Relay: Door closes and ignores any activation input until signal is discontinued.
  - d. Infinite Hold Open: Door will hold open at set position until power is turned off.
  - e. Latch Assist: At closed position, after an activation, the door is pulled in. After the door has closed, the door is pulled in to assist with latch release/engagement.
  - f. Obstruction Detection: Door closes if it hits an obstruction while opening; door will reverse to open position if it hits an obstruction while closing. Door will stop once it hits an obstruction and will rest against the obstruction until removed.
  - g. Open Delay: Delays operator opening for locking hardware.
  - h. Outside Wall Switch Disable: When contact is closed, outside wall switch is disabled.

- i. Power Assist: Senses the door is being opened manually and applies small amount of power to assist the user in opening the door with force less than 5 lbs. The door opens only as far as it is moved manually, then closes once released.
  - j. Power Close: Additional force to assist door closing between 7° and 2°.
  - k. Presence Detector Input: Input for external sensor to detect presence at door open or close position only.
  - l. Push & Go: As the door is manually opened, the operator "senses" movement and opens door to the full-open position.
  - m. Selector Mode Switch: Off disables the signal inputs unless Blow Open is activated, on activates the signal inputs, hold open activates the unit (unless Blow Closed is activated) to the hold open position.
  - n. Vestibule Delay: When the wall switch is pressed, first door in vestibule will open. Second door will open once vestibule door delay has expired. Delay is adjustable.
  - o. Executive Mode Feature: When the door receives an activation signal it opens and remains open until either a second signal is received, or the door is manually moved in closing direction.
3. Manufacturers:
- a. ASSA ABLOY Entrance Systems (BE) - SW200 Series.
  - b. Norton Rixson (NO) - 6300 Series.

## 2.18 SURFACE MOUNTED CLOSER HOLDERS

- A. Multi-Point Closer Holders: Multi-point closer holder designed to hold open fire or smoke rated doors until interruption of signal from fire alarm, smoke detector or remote release switch. Pull side, push side, or double egress mounting applications available with non-handed track and closer body and dual voltage input (24V/120V). Voltage to be 24VDC unless otherwise specified. Multi position hold-open positions range from 10 to 170 degrees, with trim permitting. Provide optional swing free arm application (pull side) where specified. Auxiliary door stops are required at hold open point.
1. Manufacturers:
- a. LCN Door Closers (LC) - 4040SEL Series
  - b. Norton Rixson (NO) - 7200 Series.
  - c. Sargent Manufacturing (SA) - 2900 Series.

## 2.19 ARCHITECTURAL TRIM

- A. Door Protective Trim
- 1. General: Door protective trim units to be of type and design as specified below or in the Hardware Sets.
  - 2. Size: Fabricate protection plates (kick, armor, or mop) not more than 2" less than door width (LDW) on stop side of single doors and 1" LDW on stop side of pairs of doors, and not more than 1" less than door width on pull side. Coordinate and provide proper width

- and height as required where conflicting hardware dictates. Height to be as specified in the Hardware Sets.
3. Where plates are applied to fire rated doors with the top of the plate more than 16” above the bottom of the door, provide plates complying with NFPA 80. Consult manufacturer’s catalog and template book for specific requirements for size and applications.
  4. Protection Plates: ANSI/BHMA A156.6 protection plates (kick, armor, or mop), fabricated from the following:
    - a. Stainless Steel: 300 grade, 050-inch thick.
  5. Options and fasteners: Provide manufacturer's designated fastener type as specified in the Hardware Sets. Provide countersunk screw holes.
  6. Manufacturers:
    - a. Burns Manufacturing (BU).
    - b. Hiawatha, Inc. (HI).
    - c. Rockwood (RO).
    - d. Trimco (TC).

2.20 DOOR STOPS AND HOLDERS

- A. General: Door stops and holders to be of type and design as specified below or in the Hardware Sets.
- B. Door Stops and Bumpers: ANSI/BHMA A156.16, Grade 1 door stops and wall bumpers. Provide wall bumpers, either convex or concave types with anchorage as indicated, unless floor or other types of door stops are specified in Hardware Sets. Do not mount floor stops where they will impede traffic. Where floor or wall bumpers are not appropriate, provide overhead type stops and holders.
  1. Manufacturers:
    - a. Burns Manufacturing (BU).
    - b. Hiawatha, Inc. (HI).
    - c. Rockwood (RO).
    - d. Trimco (TC).
- C. Overhead Door Stops and Holders: ANSI/BHMA A156.8, Grade 1 Certified Products Directory (CPD) listed overhead stops and holders to be surface or concealed types as indicated in Hardware Sets. Track, slide, arm and jamb bracket to be constructed of extruded bronze and shock absorber spring of heavy tempered steel. Provide non-handed design with mounting brackets as required for proper operation and function.
  1. Manufacturers:
    - a. Norton Rixson (RF).
    - b. Rockwood (RO).
    - c. Sargent Manufacturing (SA).

## 2.21 ARCHITECTURAL SEALS

- A. General: Thresholds, weatherstripping, and gasket seals to be of type and design as specified below or in the Hardware Sets. Provide continuous weatherstrip gasketing on exterior doors and provide smoke, light, or sound gasketing on interior doors where indicated. At exterior applications provide non-corrosive fasteners and elsewhere where indicated.
- B. Smoke Labeled Gasketing: Assemblies complying with NFPA 105 that are listed and labeled by a testing and inspecting agency acceptable to authorities having jurisdiction, for smoke control ratings indicated, based on testing according to UL 1784.
  - 1. Provide smoke labeled perimeter gasketing at all smoke labeled openings.
- C. Fire Labeled Gasketing: Assemblies complying with NFPA 80 that are listed and labeled by a testing and inspecting agency acceptable to authorities having jurisdiction, for fire ratings indicated, based on testing according to UL-10C.
  - 1. Provide intumescent seals as indicated to meet UL10C Standard for Positive Pressure Fire Tests of Door Assemblies, and NPFA 252, Standard Methods of Fire Tests of Door Assemblies.
- D. Sound-Rated Gasketing: Assemblies that are listed and labeled by a testing and inspecting agency, for sound ratings indicated.
- E. Replaceable Seal Strips: Provide only those units where resilient or flexible seal strips are easily replaceable and readily available from stocks maintained by manufacturer.
- F. Manufacturers:
  - 1. National Guard Products (NG).
  - 2. Pemko (PE).
  - 3. Reese Enterprises, Inc. (RE).

## 2.22 ELECTRONIC ACCESSORIES

- A. Door Position Switches: Door position magnetic reed contact switches specifically designed for use in commercial door applications. On recessed models the contact and magnetic housing snap-lock into a 1" diameter hole. Surface mounted models include wide gap distance design complete with armored flex cabling. Provide SPDT, N/O switches with optional Rare Earth Magnet installation on steel doors with flush top channels.
  - 1. Manufacturers:
    - a. Securitron (SU) - DPS Series.
- B. Wiegand Test Unit: Test unit verifies proper Wiegand output integrated card reader lock installation in the field by testing for proper wiring, card reader data integrity, and lock functionality including lock/unlock, door position, and request-to-exit status. 12 or 24VDC voltage adjustable operating as Fail Safe or Fail Secure.

1. Manufacturers:

- a. Corbin Russwin Hardware (RU) - WT2 Wiegand Test Unit.
- b. Sargent Manufacturing (SA) - WT2 Wiegand Test Unit.

C. Switching Power Supplies: Provide power supplies with either single or dual voltage configurations at 12 or 24VDC. Power supplies shall have battery backup function with an integrated battery charging circuit and shall provide capability for power distribution, direct lock control and Fire Alarm Interface (FAI) through add on modules. Power supplies shall be expandable up to 16 individually protected outputs. Output modules shall provide individually protected, continuous outputs and/or individually protected, relay controlled outputs.

1. Manufacturers:

- a. Securitron (SU) - AQD Series.

2.23 FABRICATION

A. Fasteners: Provide door hardware manufactured to comply with published templates generally prepared for machine, wood, and sheet metal screws. Provide screws according to manufacturers recognized installation standards for application intended.

2.24 FINISHES

- A. Standard: Designations used in the Hardware Sets and elsewhere indicate hardware finishes complying with ANSI/BHMA A156.18, including coordination with traditional U.S. finishes indicated by certain manufacturers for their products.
- B. Provide quality of finish, including thickness of plating or coating (if any), composition, hardness, and other qualities complying with manufacturer's standards, but in no case less than specified by referenced standards for the applicable units of hardware
- C. Protect mechanical finishes on exposed surfaces from damage by applying a strippable, temporary protective covering before shipping.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine scheduled openings, with Installer present, for compliance with requirements for installation tolerances, labeled fire door assembly construction, wall and floor construction, and other conditions affecting performance.
- B. Notify architect of any discrepancies or conflicts between the door schedule, door types, drawings and scheduled hardware. Proceed only after such discrepancies or conflicts have been resolved in writing.

### 3.2 PREPARATION

- A. Hollow Metal Doors and Frames: Comply with ANSI/DHI A115 series.
- B. Wood Doors: Comply with ANSI/DHI A115-W series.

### 3.3 INSTALLATION

- A. Install each item of mechanical and electromechanical hardware and access control equipment to comply with manufacturer's written instructions and according to specifications.
  - 1. Installers are to be trained and certified by the manufacturer on the proper installation and adjustment of fire, life safety, and security products including: hanging devices; locking devices; closing devices; and seals.
- B. Mounting Heights: Mount door hardware units at heights indicated in following applicable publications, unless specifically indicated or required to comply with governing regulations:
  - 1. Standard Steel Doors and Frames: DHI's "Recommended Locations for Architectural Hardware for Standard Steel Doors and Frames."
  - 2. DHI TDH-007-20: Installation Guide for Doors and Hardware.
  - 3. Where indicated to comply with accessibility requirements, comply with ANSI A117.1 "Accessibility Guidelines for Buildings and Facilities."
  - 4. Provide blocking in drywall partitions where wall stops or other wall mounted hardware is located.
- C. Power Operator products and accessories are required to be installed through current members of the manufacturer's "Power Operator Preferred Installer" program.
- D. Retrofitting: Install door hardware to comply with manufacturer's published templates and written instructions. Where cutting and fitting are required to install door hardware onto or into surfaces that are later to be painted or finished in another way, coordinate removal, storage, and reinstallation of surface protective trim units with finishing work specified in Division 9 Sections. Do not install surface-mounted items until finishes have been completed on substrates involved.
- E. Thresholds: Set thresholds for exterior and acoustical doors in full bed of sealant complying with requirements specified in Division 7 Section "Joint Sealants."
- F. Storage: Provide a secure lock up for hardware delivered to the project but not yet installed. Control the handling and installation of hardware items so that the completion of the work will not be delayed by hardware losses before and after installation.

### 3.4 ADJUSTING

- A. Initial Adjustment: Adjust and check each operating item of door hardware and each door to ensure proper operation or function of every unit. Replace units that cannot be adjusted to operate as intended. Adjust door control devices to compensate for final operation of heating and ventilating equipment and to comply with referenced accessibility requirements.

3.5 CLEANING AND PROTECTION

- A. Protect all hardware stored on construction site in a covered and dry place. Protect exposed hardware installed on doors during the construction phase. Install any and all hardware at the latest possible time frame.
- B. Clean adjacent surfaces soiled by door hardware installation.
- C. Clean operating items as necessary to restore proper finish. Provide final protection and maintain conditions that ensure door hardware is without damage or deterioration at time of owner occupancy.

3.6 DEMONSTRATION

- A. Instruct Owner's maintenance personnel to adjust, operate, and maintain mechanical and electromechanical door hardware.

3.7 DOOR HARDWARE SETS

- A. The hardware sets represent the design intent and direction of the owner and architect. They are a guideline only and should not be considered a detailed hardware schedule. Discrepancies, conflicting hardware and missing items should be brought to the attention of the architect with corrections made prior to the bidding process. Omitted items not included in a hardware set should be scheduled with the appropriate additional hardware required for proper application and functionality.

- 1. Quantities listed are for each pair of doors, or for each single door.
- 2. The supplier is responsible for handing and sizing all products.
- 3. Where multiple options for a piece of hardware are given in a single line item, the supplier shall provide the appropriate application for the opening.
- 4. At existing openings with new hardware the supplier shall field inspect existing conditions prior to the submittal stage to verify the specified hardware will work as required. Provide alternate solutions and proposals as needed.

- B. Manufacturer's Abbreviations:

- 1. MK - McKinney
- 2. PE - Pemko
- 3. SU - Securitron
- 4. RO - Rockwood
- 5. SA - SARGENT
- 6. AD - Adams Rite
- 7. RF - Rixson
- 8. NO - Norton
- 9. OT - Other

**Hardware Sets****Set: 1.0**

Doors: F001.1, K001.1, L006.1, L008.1

2 Continuous Hinge	CFM_SLF-HD1 PT x Length Required		PE	087100
2 Electric Power Transfer	EL-CEPT	630	SU	087100
1 Narrow CVR Exit Device w/Pull (NL, RX, ELR, CD)	16 43 55 56 AD8410 106 x 863 (Cyl. Dogging - LFIC Temp Core)	US32D	SA	087100
1 Narrow CVR Exit Device w/Pull (EO, RX, ELR, CD)	16 43 55 56 AD8410 863 (Cyl. Dogging)	US32D	SA	087100
3 LFIC Core (KESO)	Large Format Interchangeable Core - Keyed as directed by Owner	US15	SA	087100
2 Surface Closer	351 CPS (HD Cush STP Arm)	EN	SA	087100
2 Drop Plate	351D (as required)	EN	SA	087100
2 Blade Stop Spacer Kit	581-1 or 2 (as required)	EN	SA	087100
2 Sweep	3452CNB x Length Required		PE	087100
1 Threshold	273x224AFGT MSES25SS x Length Required		PE	087100
2 Harness Adaptor	52-2946		SA	
1 Card Reader	Provided by Security Supplier			
2 ElectroLynx Harness (Door)	QC-C**** x Length Required		MK	087100
2 ElectroLynx Harness (Frame)	QC-C3000P		MK	087100
2 Position Switch	DPS-MW-BK/GY/WH (as required)		SU	087100
1 Power Supply	AQD (Size and Options as required)		SU	087100
1 Wiring Diagram	Elevation and Point to Point as Specified		OT	

Notes: Perimeter and meeting stile gasket by door / frame manufacturer.

## Operation:

## During Programed Hours:

- Exit Device Latches can be electronically held (Dogged) to allow Push Pull Operation.
- Manual entry or egress is always available by pushing exit device push bar or pulling door open.
- Door position switches at each leaf will signal the doors OPEN/CLOSED status to the access control panel.
- The exit devices are fail secure and will latch on activation of fire alarm or in the absence of power.

## Normal Operation:

- Doors are normally closed and latched.
- Active leaf Exit Device has Nightlatch Function (Key will retract the exit device latch, door is latched when the key is removed).
- When an authorized card read is detected on the secured side of the door the access control system will momentarily retract the exit device latches to allow authorized manual entry.
- Manual egress is always available by pressing either exit device push bar of the pair. Request to exit switch in the exit device push bar will signal an authorized egress to that access control system.
- Door position switches at each leaf will signal the doors OPEN/CLOSED status to the access control panel.
- The exit devices are fail secure and will latch on activation of fire alarm or in the absence of power.

**Set: 2.0**

Doors: D001.1, E001.1, L001.1

2 Continuous Hinge	CFM_SLF-HD1 PT x Length Required		PE	087100
2 Electric Power Transfer	EL-CEPT	630	SU	087100
1 Narrow CVR Exit Device w/Pull (NL, RX, ELR, CD)	16 43 55 56 AD8410 106 x 863 (Cyl. Dogging - LFIC Temp Core)	US32D	SA	087100
1 Narrow CVR Exit Device w/Pull (EO, RX, ELR, CD)	16 43 55 56 AD8410 863 (Cyl. Dogging)	US32D	SA	087100
3 LFIC Core (KESO)	Large Format Interchangeable Core - Keyed as directed by Owner	US15	SA	087100
2 Surface Closer	351 CPS (HD Cush STP Arm)	EN	SA	087100
2 Drop Plate	351D (as required)	EN	SA	087100
2 Blade Stop Spacer Kit	581-1 or 2 (as required)	EN	SA	087100
2 Sweep	3452CNB x Length Required		PE	087100
1 Threshold	273x224AFGT MSES25SS x Length Required		PE	087100
2 Harness Adaptor	52-2946		SA	
2 ElectroLynx Harness	QC-C**** x Length Required		MK	087100
2 ElectroLynx Harness (Frame)	QC-C3000P		MK	087100
2 Position Switch	DPS-MW-BK/GY/WH (as required)		SU	087100
1 Power Supply	AQD (Size and Options as required)		SU	087100
1 Wiring Diagram	Elevation and Point to Point as Specified		OT	

Notes: Perimeter and meeting stile gasket by door / frame manufacturer.

Operation:

During Programed Hours:

- Exit Device Latches are electronically held (Dogged) to allow Push Pull Operation.
- Manual entry or egress is always available by pushing exit device push bar or pulling door open.

- Door position switches at each leaf will signal the doors OPEN/CLOSED status to the access control panel.
- The exit devices are fail secure and will latch on activation of fire alarm or in the absence of power.

Normal Operation:

- Doors are normally closed and latched. Active leaf has Night Latch Function, Key retracts latch, door is locked when key is removed)
- When an authorized card read is detected on the secured side of the door the access control system will momentarily retract the exit device latches to allow authorized manual entry.
- Manual egress is always available by pressing either exit device push bar of the pair. Request to exit switch in the exit device push bar will signal an authorized egress to that access control system.
- Door position switches at each leaf will signal the doors OPEN/CLOSED status to the access control panel.
- The exit devices are fail secure and will latch on activation of fire alarm or in the absence of power.

**Set: 3.0**

Doors: [E001.2](#), [L001.2](#)

2 Continuous Hinge	CFM_SLF-HD1 PT x Length Required		PE	087100
2 Electric Power Transfer	EL-CEPT	630	SU	087100
1 Narrow CVR Exit Device w/Pull (NL, RX, ELR, CD)	16 43 55 56 AD8410 106 x 863 (Cyl. Dogging - LFIC Temp Core)	US32D	SA	087100
1 Narrow CVR Exit Device w/Pull (EO, RX, ELR, CD)	16 43 55 56 AD8410 863 (Cyl. Dogging)	US32D	SA	087100
3 LFIC Core (KESO)	Large Format Interchangeable Core - Keyed as directed by Owner	US15	SA	087100
2 Automatic Opener	6311/6321 (as required)	689	NO	087113
2 Sweep	3452CNB x Length Required		PE	087100
1 Threshold	273x224AFGT MSES25SS x Length Required		PE	087100
2 Harness Adaptor	52-2946		SA	
1 Card Reader	Provided by Security Supplier			
2 ElectroLynx Harness (Door)	QC-C**** x Length Required		MK	087100
2 ElectroLynx Harness (Frame)	QC-C3000P		MK	087100
2 Position Switch	DPS-MW-BK/GY/WH (as required)		SU	087100
2 Auto Operator Actuator Switch	505		NO	087100
1 Power Supply	AQD (Size and Options as required)		SU	087100
1 Wiring Diagram	Elevation and Point to Point as Specified		OT	

Notes: Perimeter and meeting stile gasket by door / frame manufacturer.

Operation:

During Programed Hours:

- Exit Device Latches can be electronically held (Dogged) to allow Push Pull Operation.
- When the actuator button on either side of the opening is pressed the auto operators will open both doors of the pair.
- Manual entry or egress is always available by pushing exit device push bar or pulling door open.
- Door position switches at each leaf will signal the doors OPEN/CLOSED status to the access control panel.
- The exit devices are fail secure and will latch on activation of fire alarm or in the absence of power.

Normal Operation:

- Doors are normally closed and latched.
- Active leaf Exit Device has Nightlatch Function (Key will retract the exit device latch, door is latched when the key is removed).
- When an authorized card read is detected on the secured side of the door the access control system will momentarily retract the exit device latches and activate the auto operator actuator button on the secured side of the opening.
- When the actuator button on the secure is pressed (after the authorized card read) the auto operators will open the doors.
- Assisted Egress can be achieved at any time by pushing the actuator button on the unsecured side of the opening to retract the exit device latches and activating the auto operators to open both doors.
- Manual egress is always available by pressing either exit device push bar of the pair. Request to exit switch in the exit device push bar will signal an authorized egress to that access control system.
- Door position switches at each leaf will signal the doors OPEN/CLOSED status to the access control panel.
- The exit devices are fail secure and will latch on activation of fire alarm or in the absence of power.

**Set: 3.1**

Doors: NW-A001.1, NW-A003.1, NW-B003.1, NW-B003.2, NW-D001.3, NW-D001.4, NW-D002

2 Continuous Hinge	CFM_SLF-HD1 PT x Length Required		PE	087100
2 Electric Power Transfer	EL-CEPT	630	SU	087100
1 Removable Mullion	L980S / L980A (As Required) x Length Required	PC	SA	087100
1 Narrow Rim Exit Device w/Pull (NL, RX, ELR, CD)	16 43 55 56 8504 863 (Cyl. Dogging, LFIC Temp Core)	US32D	SA	087100
1 Narrow Rim Exit Device w/Pull (EO, RX, ELR, CD)	16 43 55 56 8510 863 (Cyl. Dogging, LFIC Temp Core)	US32D	SA	087100
1 LFIC Core (KESO)	Large Format Interchangeable Core - Keyed as directed by Owner	US15	SA	087100
2 Automatic Opener	6311/6321 (as required)	689	NO	087113
1 Mullion Gasketing	5110BL x Mullion Height		PE	087100
2 Sweep	3452CNB x Length Required		PE	087100
1 Threshold	273x224AFGT MSES25SS x Length Required		PE	087100

2 Harness Adaptor	52-2946	SA
1 Card Reader	Provided by Security Supplier	
2 ElectroLynx Harness (Door)	QC-C**** x Length Required	MK 087100
2 ElectroLynx Harness (Frame)	QC-C3000P	MK 087100
2 Position Switch	DPS-MW-BK/GY/WH (as required)	SU 087100
2 Auto Operator Actuator Switch	505	NO 087100
1 Power Supply	AQD (Size and Options as required)	SU 087100
1 Wiring Diagram	Elevation and Point to Point as Specified	OT

Notes: Perimeter and meeting stile gasket by door / frame manufacturer.

Operation:

During Programed Hours:

- Exit Device Latches can be electronically held (Dogged) to allow Push Pull Operation.
- When the actuator button on either side of the opening is pressed the auto operators will open both doors of the pair.
- Manual entry or egress is always available by pushing exit device push bar or pulling door open.
- Door position switches at each leaf will signal the doors OPEN/CLOSED status to the access control panel.
- The exit devices are fail secure and will latch on activation of fire alarm or in the absence of power.

Normal Operation:

- Doors are normally closed and latched.
- Active leaf Exit Device has Nightlatch Function (Key will retract the exit device latch, door is latched when the key is removed).
- When an authorized card read is detected on the secured side of the door the access control system will momentarily retract the exit device latches and activate the auto operator actuator button on the secured side of the opening.
- When the actuator button on the secure is pressed (after the authorized card read) the auto operators will open the doors.
- Assisted Egress can be achieved at any time by pushing the actuator button on the unsecured side of the opening to retract the exit device latches and activating the auto operators to open both doors.
- Manual egress is always available by pressing either exit device push bar of the pair. Request to exit switch in the exit device push bar will signal an authorized egress to that access control system.
- Door position switches at each leaf will signal the doors OPEN/CLOSED status to the access control panel.
- The exit devices are fail secure and will latch on activation of fire alarm or in the absence of power.

**Set: 4.0**

Doors: E003, G003.1, G003.3

2 Continuous Hinge	CFM_SLF-HD1 x Length Required	PE 087100
2 Manual Flush Bolt	555	US26D RO 087100

1 Dust Proof Strike	570	US26D	RO 087100
1 Narrow Mortise Deadlock	MS1850S 1-1/8" BS 1	628	AD 087100
1 Thumb Turn Cylinder	4066	130	AD 087100
1 LFIC Core (KESO)	Large Format Interchangeable Core - Keyed as directed by Owner	US15	SA 087100
1 LFIC Mortise Cylinder Housing	Size and Cam as required	US32D	SA 087100
2 Push Bar & Pull	BF15847 HD Back-to-Back Mount	US32D-316	RO 087100
2 Surface Closer	351 CPS (HD Cush STP Arm)	EN	SA 087100
2 Drop Plate	351D (as required)	EN	SA 087100
2 Blade Stop Spacer Kit	581-1 or 2 (as required)	EN	SA 087100
1 Gasketing	Provided By Door/Frame Supplier		OT
2 Sweep	3452CNB x Length Required		PE 087100
1 Threshold	2009APK x Length Required x MSES25SS		PE 087100
2 Position Switch	DPS-MW-BK/GY/WH (as required)		SU 087100

Notes: Thumbturn is mounted on the PULL side of the doors to prevent persons from getting locked in Exterior Courtyard.

Perimeter and meeting stile gasket by door / frame manufacturer.

Operation:

- Doors are manually locked or unlocked to allow access to the courtyard. When the doors are unlocked push/pull access to the courtyard is available.
- Door position switches at each leaf will signal the doors OPEN/CLOSED status to the access control panel.

**Set: 5.0**

Doors: A022.1, A023.1

6 Hinge, Full Mortise, Hvy Wt	T4A3386 (NRP and size as required)	US32D	MK 087100
1 Removable Mullion	L980S / L980A (As Required) x Length Required	PC	SA 087100
1 Rim Exit Device (STRM, CD)	16 43 8804 ETNJ (Cyl. Dogging - LFIC Temp Core)	US32D	SA 087100
1 Rim Exit Device (EO, CD)	16 43 8810 EO (Cyl. Dogging)	US32D	SA 087100
4 LFIC Core (KESO)	Large Format Interchangeable Core - Keyed as directed by Owner	US15	SA 087100
1 Removable Mullion Cylinder w/Kit	980C1 (LFIC)	US26D	SA 087100
2 Surface Closer	351 UO (RA or PA Mount as Required)	EN	SA 087100

2 Kick Plate	K1050 10" high BEV CSK	US32D	RO 087100
2 Exterior Door Stop	467-RKW	Black	RO 087100
2 Astragal	29324CNB x Door Height		PE 087100
1 Gasketing	303AS (Head & Jambs)		PE 087100
1 Mullion Gasketing	5110BL x Mullion Height		PE 087100
1 Rain Guard	346C x Width of Frame Head		PE 087100
2 Sweep	3452CNB x Length Required		PE 087100
1 Threshold	273x224AFGT MSES25SS x Length Required		PE 087100
2 Position Switch	DPS-MW-BK/GY/WH (as required)		SU 087100

## Notes: Operation:

- Doors normally closed and secure.
- Door position switches provide open/closed monitoring to both access control system and intrusion alarm service.

**Set: 6.0**Doors: [D150.3](#), NW-A007, NW-C001, NW-D001.1, NW-D001.2

6 Hinge, Full Mortise, Hvy Wt	T4A3386 (NRP and size as required)	US32D	MK 087100
1 Removable Mullion	L980S / L980A (As Required) x Length Required	PC	SA 087100
2 Rim Exit Device (STRM, CD)	16 43 8804 ETNJ (Cyl. Dogging - LFIC Temp Core)	US32D	SA 087100
2 Rim Exit Device (EO, CD)	16 43 8810 EO (Cyl. Dogging)	US32D	SA 087100
2 LFIC Core (KESO)	Large Format Interchangeable Core - Keyed as directed by Owner	US15	SA 087100
2 Removable Mullion Cylinder w/Kit	980C1 (LFIC)	US26D	SA 087100
2 Surface Closer	351 CPS (HD Cush STP Arm)	EN	SA 087100
2 Kick Plate	K1050 10" high BEV CSK	US32D	RO 087100
2 Exterior Door Stop	467-RKW	Black	RO 087100
2 Astragal	29324CNB x Door Height		PE 087100
1 Gasketing	303AS (Head & Jambs)		PE 087100
1 Mullion Gasketing	5110BL x Mullion Height		PE 087100
1 Rain Guard	346C x Width of Frame Head		PE 087100
2 Sweep	3452CNB x Length Required		PE 087100
1 Threshold	273x224AFGT MSES25SS x Length Required		PE 087100
2 Position Switch	DPS-MW-BK/GY/WH (as		SU 087100

(required)

## Notes: Operation:

- Doors normally closed and secure.
- Door position switches provide open/closed monitoring to both access control system and intrusion alarm service.

**Set: 7.0**

Doors: C102

3 Hinge, Full Mortise, Hvy Wt	T4A3386 (NRP and size as required)	US32D	MK 087100
1 Rim Exit Device (STRM, CD)	16 43 8804 ETNJ (Cyl. Dogging - LFIC Temp Core)	US32D	SA 087100
2 LFIC Core (KESO)	Large Format Interchangeable Core - Keyed as directed by Owner	US15	SA 087100
1 Surface Closer	351 CPS (HD Cush STP Arm)	EN	SA 087100
1 Kick Plate	K1050 10" high BEV CSK	US32D	RO 087100
1 Gasketing	303AS (Head & Jambs)		PE 087100
1 Rain Guard	346C x Width of Frame Head		PE 087100
1 Sweep	3452CNB x Length Required		PE 087100
1 Threshold	273x224AFGT MSES25SS x Length Required		PE 087100

**Set: 7.1**Doors: [NW-D111.2](#)

1 Continuous Hinge	CFM_SLF-HD1 PT x Length Required		PE 087100
1 Electric Power Transfer	EL-CEPT	630	SU 087100
1 Narrow Rim Exit Device w/Pull (NL, RX, ELR, CD)	16 43 55 56 8504 863 (Cyl. Dogging, LFIC Temp Core)	US32D	SA 087100
1 LFIC Core (KESO)	Large Format Interchangeable Core - Keyed as directed by Owner	US15	SA 087100
1 Surface Closer	351 UO (RA or PA Mount as Required)	EN	SA 087100
1 Kick Plate	K1050 10" high BEV CSK	US32D	RO 087100
1 Exterior Door Stop	467-RKW	Black	RO 087100
1 Gasketing	303AS (Head & Jambs)		PE 087100
1 Rain Guard	346C x Width of Frame Head		PE 087100
1 Sweep	3452CNB x Length Required		PE 087100
1 Threshold	273x224AFGT MSES25SS x		PE 087100

	<b>Length Required</b>	
1 Harness Adaptor	52-2946	SA
1 ElectroLynx Harness (Door)	QC-C**** x Length Required	MK 087100
1 ElectroLynx Harness (Frame)	QC-C3000P	MK 087100
1 Position Switch	DPS-MW-BK/GY/WH (as required)	SU 087100
1 Power Supply	AQD (Size and Options as required)	SU 087100
1 Wiring Diagram	Elevation and Point to Point as Specified	OT

Notes: Operation:

- Doors are normally closed and latched. The Door has Night Latch Function, Key retracts latch, door is locked when key is removed)
- When an authorized card read is detected on the secured side of the door the access control system will momentarily retract the exit device latches to allow authorized manual entry.
- Manual egress is always available by pressing either exit device push bar of the pair. Request to exit switch in the exit device push bar will signal an authorized egress to that access control system.
- Door position switches at each leaf will signal the doors OPEN/CLOSED status to the access control panel.
- The exit devices are fail secure and will latch on activation of fire alarm or in the absence of power.

**Set: 8.0**

Doors: A116.2, B116.1

3 Hinge, Full Mortise, Hvy Wt	T4A3386 (NRP and size as required)	US32D	MK 087100
1 Rim Exit Device (STRM, CD)	16 43 8804 ETNJ (Cyl. Dogging - LFIC Temp Core)	US32D	SA 087100
2 LFIC Core (KESO)	Large Format Interchangeable Core - Keyed as directed by Owner	US15	SA 087100
1 Surface Closer	351 CPS (HD Cush STP Arm)	EN	SA 087100
1 Kick Plate	K1050 10" high BEV CSK	US32D	RO 087100
1 Gasketing	303AS (Head & Jambs)		PE 087100
1 Rain Guard	346C x Width of Frame Head		PE 087100
1 Sweep	3452CNB x Length Required		PE 087100
1 Threshold	273x224AFGT MSES25SS x Length Required		PE 087100
1 Position Switch	DPS-MW-BK/GY/WH (as required)		SU 087100

Notes: Operation:

- Door normally closed and secure.
- Door position switch provides open/closed monitoring to both access control system and intrusion alarm

service.

**Set: 9.0**Doors: [K116.2](#)

6 Hinge, Full Mortise, Hvy Wt	T4A3386 (NRP and size as required)	US32D	MK 087100
1 Self Latching Flush Bolt Set	2845 / 2945 (as required)	US26D	RO 087100
1 Dust Proof Strike	570	US26D	RO 087100
1 Storeroom/Closet Lock	8204 E4NJ (LFIC Temp Core)	US32D	SA 087100
1 LFIC Core (KESO)	Large Format Interchangeable Core - Keyed as directed by Owner	US15	SA 087100
2 Surface Closer	351 CPS (HD Cush STP Arm)	EN	SA 087100
2 Kick Plate	K1050 10" high BEV CSK	US32D	RO 087100
2 Astragal	29324CNB x Door Height		PE 087100
1 Gasketing	303AS (Head & Jambs)		PE 087100
1 Rain Guard	346C x Width of Frame Head		PE 087100
2 Sweep	3452CNB x Length Required		PE 087100
1 Threshold	2009APK x Length Required x MSES25SS		PE 087100
2 Position Switch	DPS-MW-BK/GY/WH (as required)		SU 087100

Notes: Operation:

- Doors normally closed and secure.
- Door position switches provide open/closed monitoring to both access control system and intrusion alarm service.

**Set: 10.0**Doors: C101, C104, [D147.2](#), T001.1, T002.1

3 Hinge, Full Mortise, Hvy Wt	T4A3386 (NRP and size as required)	US32D	MK 087100
1 Storeroom/Closet Lock	8204 E4NJ (LFIC Temp Core)	US32D	SA 087100
1 LFIC Core (KESO)	Large Format Interchangeable Core - Keyed as directed by Owner	US15	SA 087100
1 Surface Closer	351 CPS (HD Cush STP Arm)	EN	SA 087100
1 Kick Plate	K1050 10" high BEV CSK	US32D	RO 087100
1 Gasketing	303AS (Head & Jambs)		PE 087100
1 Rain Guard	346C x Width of Frame Head		PE 087100
1 Sweep	3452CNB x Length Required		PE 087100

1 Threshold	2009APK x Length Required x MSES25SS		PE 087100
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**Set: 11.0**Doors: C201, [NW-D113](#)

3 Hinge, Full Mortise, Hvy Wt	T4A3386 (NRP and size as required)	US32D	MK 087100
1 Office/Entry Lock	8205 E4NJ (LFIC Temp Core)	US32D	SA 087100
1 LFIC Core (Interior)	Large Format Interchangeable Core (Keyed as Directed by the Owner)	US15	SA 087100
1 Surface Closer	351 UO (RA or PA Mount as Required)	EN	SA 087100
1 Kick Plate	K1050 10" high BEV CSK	US32D	RO 087100
1 Gasketing	303AS (Head & Jambs)		PE 087100
1 Sweep	3452CNB x Length Required		PE 087100
1 9" Threshold	2549A MSES25SS-2 x Length Required		PE 087100

Notes: Provide Extended threshold to cover the width of the CMU Wall. Cope around HMF as needed.

**Set: 12.0**

Doors: C105, C106

3 Hinge, Full Mortise, Hvy Wt	T4A3386 (NRP and size as required)	US32D	MK 087100
1 Classroom Deadlock	4877 (LFIC Temp Core)	US32D	SA 087100
1 LFIC Core (KESO)	Large Format Interchangeable Core - Keyed as directed by Owner	US15	SA 087100
1 Push Plate	70C-RKW	US32D	RO 087100
1 Pull	RM3020-12 Mtg-Type 12XHD	US32-316	RO 087100
1 Surface Closer	351 UO (RA or PA Mount as Required)	EN	SA 087100
1 Kick Plate	K1050 10" high BEV CSK	US32D	RO 087100
1 Wall or Floor Stop (as Required)	403 (or) 441CU (As Required)	US26D	RO 087100
1 Gasketing	303AS (Head & Jambs)		PE 087100
1 Rain Guard	346C x Width of Frame Head		PE 087100
1 Sweep	3452CNB x Length Required		PE 087100
1 Threshold	2009APK x Length Required x MSES25SS		PE 087100

**Set: 13.0**

Doors: L101.2

1 Continuous Hinge	CFM_SLF-HD1 x Length Required		PE	087100
1 Wireless Access Control Mort Lock	Provided by Security Contractor	US26D/US32D		281500
1 LFIC Core (Interior)	Large Format Interchangeable Core (Keyed as Directed by the Owner)	US15	SA	087100
1 Surface Closer	351 PS (HD PA STP Arm)	EN	SA	087100
1 Drop Plate	351D (as required)	EN	SA	087100
1 Blade Stop Spacer Kit	581-1 or 2 (as required)	EN	SA	087100
1 Gasketing	Provided By Door/Frame Supplier		OT	
1 Position Switch	DPS-MW-BK/GY/WH (as required)		SU	087100

Notes: Perimeter and meeting stile gasket by door / frame manufacturer.  
5" Minimum Stile width is required to accommodate the lock prep.

## Operation:

- Door normally closed and secure.
- Access by valid credential presentation at card reader integrated on Lockset Escutcheon, unlocking lever trim to allow authorized entry and then relocking.
- Egress always free for immediate exit. Request-to-Exit sensor allows exit without alarm condition.
- Door position switch provides open/closed monitoring to both access control system and intrusion alarm service.
- Outside lever trim remains locked (fail secure) in event of power loss (Battery Powered). Key override cylinder for emergency access.

**Set: 14.0**

Doors: L101.1

1 Continuous Hinge	CFM_SLF-HD1 x Length Required		PE	087100
1 Wireless Access Control Mort Lock	Provided by Security Contractor	US26D/US32D		281500
1 LFIC Core (Interior)	Large Format Interchangeable Core (Keyed as Directed by the Owner)	US15	SA	087100
1 Surf Overhead Stop	10-X36 (Size as Required)	630	RF	087100
1 Surface Closer	351 UO (RA or PA Mount as Required)	EN	SA	087100
1 Drop Plate	351D (as required)	EN	SA	087100
1 Blade Stop Spacer Kit	581-1 or 2 (as required)	EN	SA	087100
1 Gasketing	Provided By Door/Frame Supplier		OT	
1 Position Switch	DPS-MW-BK/GY/WH (as		SU	087100

required)

Notes: Perimeter and meeting stile gasket by door / frame manufacturer.  
5" Minimum Stile width is required to accommodate the lock prep.

Operation:

- Door normally closed and secure.
- Access by valid credential presentation at card reader integrated on Lockset Escutcheon, unlocking lever trim to allow authorized entry and then relocking.
- Egress always free for immediate exit. Request-to-Exit sensor allows exit without alarm condition.
- Door position switch provides open/closed monitoring to both access control system and intrusion alarm service.
- Outside lever trim remains locked (fail secure) in event of power loss (Battery Powered). Key override cylinder for emergency access.

**Set: 15.0**

Doors: L115.1, L115.2

2 Continuous Hinge	CFM_SLF-HD1 PT x Length Required		PE	087100
2 Electric Power Transfer	EL-CEPT	630	SU	087100
1 Narrow CVR Exit (STRM, RX, ELR, CD)	16 43 55 56 AD8406 ETNJ (Cyl. Dogging - LFIC Temp Core)	US32D	SA	087100
1 Narrow CVR Exit Device (EO, DMY TRM, RX, ELR, CD)	16 43 55 56 AD8410 ETNJ (Cyl. Dogging - LFIC Temp Core)	US32D	SA	087100
3 LFIC Core (Interior)	Large Format Interchangeable Core (Keyed as Directed by the Owner)	US15	SA	087100
2 Surface Closer	351 PSH (PA HD STP Arm w/HO)	EN	SA	087100
2 Drop Plate	351D (as required)	EN	SA	087100
2 Blade Stop Spacer Kit	581-1 or 2 (as required)	EN	SA	087100
1 Gasketing	Provided By Door/Frame Supplier		OT	
1 Harness Adaptor	52-2946		SA	
1 Card Reader	Provided by Security Supplier			
1 ElectroLynx Harness (Door)	QC-C***** x Length Required		MK	087100
1 ElectroLynx Harness (Frame)	QC-C3000P		MK	087100
1 Position Switch	DPS-MW-BK/GY/WH (as required)		SU	087100
1 Power Supply	AQD (Size and Options as required)		SU	087100
1 Wiring Diagram	Elevation and Point to Point as Specified		OT	

Notes: Perimeter and meeting stile gasket by door / frame manufacturer.

Operation:

During Programed Hours:

- Exit Device Latches can be electronically held (Dogged) to allow Push Pull Operation.
- Manual entry or egress is always available by pushing exit device push bar or pulling door open.
- Door position switches at each leaf will signal the doors OPEN/CLOSED status to the access control panel.
- The exit devices are fail secure and will latch on activation of fire alarm or in the absence of power.

Normal Operation:

- Doors are normally closed and latched.
- Active leaf Exit Device has Nightlatch Function (Key will retract the exit device latch, door is latched when the key is removed).
- When an authorized card read is detected on the secured side of the door the access control system will momentarily retract the exit device latches to allow authorized entry.
- Manual egress is always available by pressing either exit device push bar of the pair. Request to exit switch in the exit device push bar will signal an authorized egress to that access control system.
- Door position switches at each leaf will signal the doors OPEN/CLOSED status to the access control panel.
- The exit devices are fail secure and will latch on activation of fire alarm or in the absence of power.

**Set: 16.0**

Doors: D001.2, E001.3, L001.3

2 Continuous Hinge	CFM_SLF-HD1 PT x Length Required		PE	087100
2 Electric Power Transfer	EL-CEPT	630	SU	087100
1 Narrow CVR Exit Device w/Pull (NL, RX, ELR, CD)	16 43 55 56 AD8410 106 x 863 (Cyl. Dogging - LFIC Temp Core)	US32D	SA	087100
1 Narrow CVR Exit Device w/Pull (EO, RX, ELR, CD)	16 43 55 56 AD8410 863 (Cyl. Dogging)	US32D	SA	087100
3 LFIC Core (Interior)	Large Format Interchangeable Core (Keyed as Directed by the Owner)	US15	SA	087100
2 Surface Closer	351 CPS (HD Cush STP Arm)	EN	SA	087100
2 Drop Plate	351D (as required)	EN	SA	087100
2 Blade Stop Spacer Kit	581-1 or 2 (as required)	EN	SA	087100
2 Harness Adaptor	52-2946		SA	
2 ElectroLynx Harness (Door)	QC-C**** x Length Required		MK	087100
2 ElectroLynx Harness (Frame)	QC-C3000P		MK	087100
2 Position Switch	DPS-MW-BK/GY/WH (as required)		SU	087100
1 Power Supply	AQD (Size and Options as required)		SU	087100
1 Wiring Diagram	Elevation and Point to Point as Specified		OT	

Notes: Perimeter and meeting stile gasket by door / frame manufacturer.

Operation:

When Programmed:

- Exit Device Latches are electronically held (Dogged) to allow Push Pull Operation.
- Manual entry or egress is always available by pushing exit device push bar or pulling door open.
- Door position switches at each leaf will signal the doors OPEN/CLOSED status to the access control panel.
- The exit devices are fail secure and will latch on activation of fire alarm or in the absence of power.

Normal Operation:

- Doors are normally closed and latched. Active leaf has Night Latch Function, Key retracts latch, door is locked when key is removed)
- Manual egress is always available by pressing either exit device push bar of the pair. Request to exit switch in the exit device push bar will signal an authorized egress to that access control system.
- Door position switches at each leaf will signal the doors OPEN/CLOSED status to the access control panel.
- The exit devices are fail secure and will latch on activation of fire alarm or in the absence of power.

**Set: 17.0**

Doors: A001.2, E001.4, L001.4

2 Continuous Hinge	CFM_SLF-HD1 PT x Length Required		PE	087100
2 Electric Power Transfer	EL-CEPT	630	SU	087100
1 Narrow CVR Exit Device w/Pull (NL, RX, ELR, CD)	16 43 55 56 AD8410 106 x 863 (Cyl. Dogging - LFIC Temp Core)	US32D	SA	087100
1 Narrow CVR Exit Device w/Pull (EO, RX, ELR, CD)	16 43 55 56 AD8410 863 (Cyl. Dogging)	US32D	SA	087100
3 LFIC Core (KESO)	Large Format Interchangeable Core - Keyed as directed by Owner	US15	SA	087100
2 Automatic Opener	6311/6321 (as required)	689	NO	087113
1 Gasketing	Provided By Door/Frame Supplier		OT	
2 Harness Adaptor	52-2946		SA	
1 Card Reader	Provided by Security Supplier			
2 ElectroLynx Harness (Door)	QC-C**** x Length Required		MK	087100
2 ElectroLynx Harness (Frame)	QC-C3000P		MK	087100
2 Position Switch	DPS-MW-BK/GY/WH (as required)		SU	087100
2 Auto Operator Actuator Switch	505		NO	087100
1 Audio / Visual Intercom System	Audio / Visual Intercome Systemw/Remote Release Button - By Access Control		OT	
1 Power Supply	AQD (Size and Options as required)		SU	087100



1 Surface Closer	351 H (RA HO Arm)	EN	SA 087100
1 Drop Plate	351D (as required)	EN	SA 087100
1 Blade Stop Spacer Kit	581-1 or 2 (as required)	EN	SA 087100
1 Wall or Floor Stop (as Required)	403 (or) 441CU (As Required)	US26D	RO 087100
1 Gasketing	Provided By Door/Frame Supplier		OT

**Set: 19.0**

Doors: L102

1 Continuous Hinge	CFM_SLF-HD1 x Length Required		PE 087100
1 Mortise Lock	2190 1-1/8" BS 628 3-Low Profile Trim 01-Curve	US32D	AD 087100
1 Thumb Turn Cylinder	4066	130	AD 087100
1 LFIC Core (Interior)	Large Format Interchangeable Core (Keyed as Directed by the Owner)	US15	SA 087100
1 LFIC Mortise Cylinder Housing	Size and Cam as required	US32D	SA 087100
1 Surface Closer	351 PSH (PA HD STP Arm w/HO)	EN	SA 087100
1 Drop Plate	351D (as required)	EN	SA 087100
1 Blade Stop Spacer Kit	581-1 or 2 (as required)	EN	SA 087100
1 Gasketing	Provided By Door/Frame Supplier		OT

**Set: 20.0**

Doors: D155.2, D161, E113

1 Continuous Hinge	CFM_SLF-HD1 x Length Required		PE 087100
1 Mortise Lock	2190 1-1/8" BS 628 3-Low Profile Trim 01-Curve	US32D	AD 087100
1 Thumb Turn Cylinder	4066	130	AD 087100
1 LFIC Core (Interior)	Large Format Interchangeable Core (Keyed as Directed by the Owner)	US15	SA 087100
1 LFIC Mortise Cylinder Housing	Size and Cam as required	US32D	SA 087100
1 Surf Overhead Hold Open	10-X26 (Size as Required)	630	RF 087100
1 Surface Closer	351 UO (RA or PA Mount as Required)	EN	SA 087100
1 Drop Plate	351D (as required)	EN	SA 087100
1 Blade Stop Spacer Kit	581-1 or 2 (as required)	EN	SA 087100
1 Gasketing	Provided By Door/Frame Supplier		OT

**Set: 21.0**

Doors: A117.2, B113.2, B114.3, F001.2, J101.1, J101.3, K001.2, L006.2, L008.2, NW-A003.2

2 Continuous Hinge	CFM_SLF-HD1 x Length Required		PE	087100
2 Narrow CVR Exit Device (CLRM, CD)	16 43 AD8413 ETNJ (Cyl. Dogging - LFIC Temp Core)	US32D	SA	087100
2 LFIC Core (Interior)	Large Format Interchangeable Core (Keyed as Directed by the Owner)	US15	SA	087100
2 Surface Closer	351 PSH (PA HD STP Arm w/HO)	EN	SA	087100
2 Drop Plate	351D (as required)	EN	SA	087100
2 Blade Stop Spacer Kit	581-1 or 2 (as required)	EN	SA	087100
1 Gasketing	Provided By Door/Frame Supplier		OT	

Notes: Perimeter and meeting stile gasket by door / frame manufacturer.

**Set: 22.0**

Doors: B114.2

1 Continuous Hinge	CFM_SLF-HD1 x Length Required		PE	087100
1 Narrow Rim Exit Device (CLRM, CD)	16 43 8513 ETNJ (Cyl. Dogging - LFIC Temp Core)	US32D	SA	087100
1 LFIC Core (Interior)	Large Format Interchangeable Core (Keyed as Directed by the Owner)	US15	SA	087100
1 Surface Closer	351 PSH (PA HD STP Arm w/HO)	EN	SA	087100
1 Drop Plate	351D (as required)	EN	SA	087100
1 Blade Stop Spacer Kit	581-1 or 2 (as required)	EN	SA	087100
1 Gasketing	Provided By Door/Frame Supplier		OT	

**Set: 23.0**

Doors: G003.2

2 Continuous Hinge	CFM_SLF-HD1 x Length Required		PE	087100
2 Push Bar & Pull	BF15847 HD Back-to-Back Mount	US32D-316	RO	087100
2 Surface Closer	351 PSH (PA HD STP Arm w/HO)	EN	SA	087100
2 Drop Plate	351D (as required)	EN	SA	087100
2 Blade Stop Spacer Kit	581-1 or 2 (as required)	EN	SA	087100
2 Wall or Floor Stop (as Required)	403 (or) 441CU (As Required)	US26D	RO	087100
1 Gasketing	Provided By Door/Frame Supplier		OT	

Notes: Perimeter Weatherstrip and astragals by the Aluminum Door Manufacturer.

**Set: 24.0**

Doors: L004.2, L005.2

6 Hinge, Full Mortise, Hvy Wt	T4A3786 (NRP and size as required)	US26D	MK 087100
1 SVR Exit Device (CLRM, LBR, CD)	16 NB8713 ETNJ (Cyl. Dogging)	US32D	SA 087100
1 Surface Vert Rod Exit (EO, LBR, CD)	16 NB8710 EO (Cyl. Dogging)	US32D	SA 087100
3 LFIC Core (Interior)	Large Format Interchangeable Core (Keyed as Directed by the Owner)	US15	SA 087100
2 Surface Closer	351 PSH (PA HD STP Arm w/HO)	EN	SA 087100
2 Kick Plate	K1050 10" high BEV CSK	US32D	RO 087100
2 Wall or Floor Stop (as Required)	403 (or) 441CU (As Required)	US26D	RO 087100
2 Silencer	608		RO 087100

**Set: 25.0**

Doors: A119, J101.4, J101.5

6 Hinge, Full Mortise	TA2714 (NRP and size as required)	US26D	MK 087100
1 Fire Rated SVR Exit Device (CLRM, LBR)	12 NB8713 ETNJ	US32D	SA 087100
1 Fire Rated SVR Exit Device (EO, LBR)	12 NB8710	US32D	SA 087100
1 LFIC Core (Interior)	Large Format Interchangeable Core (Keyed as Directed by the Owner)	US15	SA 087100
2 Conc Overhead Stop	6-X36	630	RF 087100
2 Surface Closer (Multi-Point Electronic HO)	80 2900 Series	EN	SA 087100
2 Kick Plate	K1050 10" high BEV CSK	US32D	RO 087100
1 Adhesive Astragal	S771C x Door Height		PE 087100
1 Adhesive Perimeter Gasketing	S88BL (Head & Jambs)		PE 087100

## Notes: Operation:

Doors can be held open by electronic closer/holders and will be released to close upon activation of fire alarm.

Power to electronic closer/holders and relay to fire alarm by others.

**Set: 26.0**

Doors: A022.2, A023.2, NW-A001.2

6 Hinge, Full Mortise, Hvy Wt	T4A3786 (NRP and size as required)	US26D	MK 087100
1 Removable Mullion	L980S / L980A (As Required) x Length Required	PC	SA 087100

2 Rim Exit Device, Passage	12 8815 ETNJ	US32D	SA 087100
1 LFIC Core (Interior)	Large Format Interchangeable Core (Keyed as Directed by the Owner)	US15	SA 087100
1 Removable Mullion Cylinder w/Kit	980C1 (LFIC)	US26D	SA 087100
2 Surface Closer	351 UO (RA or PA Mount as Required)	EN	SA 087100
2 Kick Plate	K1050 10" high BEV CSK	US32D	RO 087100
2 Wall or Floor Stop (as Required)	403 (or) 441CU (As Required)	US26D	RO 087100
1 Mullion Gasketing	5110BL x Mullion Height		PE 087100
2 Silencer	608		RO 087100

**Set: 27.0**

Doors: D003.1

3 Hinge, Full Mortise, Hvy Wt	T4A3786 (NRP and size as required)	US26D	MK 087100
1 Rim Exit Device (PASS)	8815 ETNJ	US32D	SA 087100
1 Surface Closer	351 UO (RA or PA Mount as Required)	EN	SA 087100
1 Kick Plate	K1050 10" high BEV CSK	US32D	RO 087100
1 Wall or Floor Stop (as Required)	403 (or) 441CU (As Required)	US26D	RO 087100
3 Silencer	608		RO 087100

**Set: 28.0**

Doors: D003.2

3 Hinge, Full Mortise, Hvy Wt	T4A3786 (NRP and size as required)	US26D	MK 087100
1 Rim Exit Device, Passage	12 8815 ETNJ	US32D	SA 087100
1 Surface Closer	351 CPS (HD Cush STP Arm)	EN	SA 087100
1 Kick Plate	K1050 10" high CSK BEV	US32D	RO 087100
1 Adhesive Perimeter Gasketing	S88BL (Head & Jambs)		PE 087100

**Set: 29.0**Doors: [F124](#)

6 Hinge, Full Mortise	TA2714 (NRP and size as required)	US26D	MK 087100
1 Self Latching Flush Bolt Set	2845 / 2945 (as required)	US26D	RO 087100
1 Dust Proof Strike	570	US26D	RO 087100
1 Wireless Access Control Mort	Provided by Security Contractor	US26D/US32D	281500

Lock			
1 LFIC Core (Interior)	Large Format Interchangeable Core (Keyed as Directed by the Owner)	US15	SA 087100
1 Coordinator	2600 Series x Mounting Brackets As Required	Black	RO 087100
2 Conc Overhead Stop	6-X36	630	RF 087100
2 Surface Closer (Multi-Point Electronic HO)	80 2900 Series	EN	SA 087100
2 Kick Plate	K1050 10" high BEV CSK	US32D	RO 087100
1 Adhesive Astragal	S771C x Door Height		PE 087100
1 Adhesive Perimeter Gasketing	S88BL (Head & Jambs)		PE 087100

## Notes: Operation:

- Door normally closed and secure.
- Access by valid credential presentation at card reader integrated on Lockset Escutcheon, unlocking lever trim to allow authorized entry and then relocking.
- Egress always free for immediate exit. Request-to-Exit sensor allows exit without alarm condition.
- Door position switch provides open/closed monitoring to both access control system and intrusion alarm service.
- Outside lever trim remains locked (fail secure) in event of power loss (Battery Powered). Key override cylinder for emergency access.
- Doors can be held open by electro hold open closer and will be released to close upon activation of fire alarm.

Power and fire alarm relays to electro hold open closer by others.

**Set: 30.0**

Doors: [E101.2](#), [E112.1](#), [NW-A101.2](#)

6 Hinge, Full Mortise	TA2714 (NRP and size as required)	US26D	MK 087100
1 Self Latching Flush Bolt Set	2845 / 2945 (as required)	US26D	RO 087100
1 Dust Proof Strike	570	US26D	RO 087100
1 Wireless Access Control Mort Lock	Provided by Security Contractor	US26D/US32D	281500
1 LFIC Core (Interior)	Large Format Interchangeable Core (Keyed as Directed by the Owner)	US15	SA 087100
1 Coordinator	2600 Series x Mounting Brackets As Required	Black	RO 087100
2 Surface Closer	351 CPS (HD Cush STP Arm)	EN	SA 087100
2 Kick Plate	K1050 10" high BEV CSK	US32D	RO 087100
1 Adhesive Astragal	S771C x Door Height		PE 087100
1 Adhesive Perimeter Gasketing	S88BL (Head & Jambs)		PE 087100
2 Position Switch	DPS-MW-BK/GY/WH (as required)		SU 087100

Notes: Operation:

- Doors are normally closed and secure.
- Access by valid credential presentation at card reader integrated on Lockset Escutcheon on the active leaf, unlocking lever trim to allow authorized entry and then relocking.
- Egress always free for immediate exit at the active leaf. Request-to-Exit sensor allows exit without alarm condition.
- Door position switches provides open/closed monitoring to both access control system and intrusion alarm service.
- Outside lever trim remains locked (fail secure) in event of power loss (Battery Powered). Key override cylinder for emergency access.

**Set: 31.0**

Doors: A104, A116a, D158, E104, E105, E106, E114.1, E115, E118, E120, E121, F126, F207, H104a.1, J102.1, K101.1, L101.3, L103, L104.1, L105, L107, L109.2, L110.2, L113, L114, L115e, L123, L128, NW-A101.3

3 Hinge, Full Mortise	TA2714 (NRP and size as required)	US26D	MK 087100
1 Wireless Access Control Mort Lock	Provided by Security Contractor	US26D/US32D	281500
1 LFIC Core (Interior)	Large Format Interchangeable Core (Keyed as Directed by the Owner)	US15	SA 087100
1 Surface Closer	351 H (RA HO Arm)	EN	SA 087100
1 Kick Plate	K1050 10" high BEV CSK	US32D	RO 087100
1 Wall or Floor Stop (as Required)	403 (or) 441CU (As Required)	US26D	RO 087100
3 Silencer	608		RO 087100
1 Position Switch	DPS-MW-BK/GY/WH (as required)		SU 087100

Notes: Operation:

- Door normally closed and secure.
- Access by valid credential presentation at card reader integrated on Lockset Escutcheon, unlocking lever trim to allow authorized entry and then relocking.
- Egress always free for immediate exit. Request-to-Exit sensor allows exit without alarm condition.
- Door position switch provides open/closed monitoring to both access control system and intrusion alarm service.
- Outside lever trim remains locked (fail secure) in event of power loss (Battery Powered). Key override cylinder for emergency access.

**Set: 32.0**

Doors: A201, A202, A203, A206, A208

1 Continuous Hinge	CFM_SLF-HD1 x Length Required		PE 087100
1 Wireless Access Control Mort	Provided by Security Contractor	US26D/US32D	281500

Lock

1 LFIC Core (Interior)	Large Format Interchangeable Core (Keyed as Directed by the Owner)	US15	SA 087100
1 Surface Closer	351 PSH (PA HD STP Arm w/HO)	EN	SA 087100
1 Kick Plate	K1050 10" high BEV CSK	US32D	RO 087100
1 Gasketing	Provided By Door/Frame Supplier		OT

Notes: Operation:

- Door normally closed and secure.
- Access by valid credential presentation at card reader integrated on Lockset Escutcheon, unlocking lever trim to allow authorized entry and then relocking.
- Egress always free for immediate exit. Request-to-Exit sensor allows exit without alarm condition.
- Door position switch provides open/closed monitoring to both access control system and intrusion alarm service.
- Outside lever trim remains locked (fail secure) in event of power loss (Battery Powered). Key override cylinder for emergency access.

**Set: 33.0**

Doors: J101b.1, L203, L204, L205, L206, L223, L224

3 Hinge, Full Mortise	TA2714 (NRP and size as required)	US26D	MK 087100
1 Wireless Access Control Mort 1 Lock	Provided by Security Contractor	US26D/US32D	281500
1 LFIC Core (Interior)	Large Format Interchangeable Core (Keyed as Directed by the Owner)	US15	SA 087100
1 Surface Closer	351 PSH (PA HD STP Arm w/HO)	EN	SA 087100
1 Kick Plate	K1050 10" high BEV CSK	US32D	RO 087100
1 Wall or Floor Stop (as Required)	403 (or) 441CU (As Required)	US26D	RO 087100
3 Silencer	608		RO 087100

Notes: Operation:

- Door normally closed and secure.
- Access by valid credential presentation at card reader integrated on Lockset Escutcheon, unlocking lever trim to allow authorized entry and then relocking.
- Egress always free for immediate exit. Request-to-Exit sensor allows exit without alarm condition.
- Door position switch provides open/closed monitoring to both access control system and intrusion alarm service.
- Outside lever trim remains locked (fail secure) in event of power loss (Battery Powered). Key override cylinder for emergency access.

**Set: 34.0**

Doors: A101, L007

3 Hinge, Full Mortise, Hvy Wt	T4A3786 (NRP and size as required)	US26D	MK 087100
1 Wireless Access Control Mort Lock	Provided by Security Contractor	US26D/US32D	281500
1 LFIC Core (Interior)	Large Format Interchangeable Core (Keyed as Directed by the Owner)	US15	SA 087100
1 Surface Closer	351 PS (HD PA STP Arm)	EN	SA 087100
1 Kick Plate	K1050 10" high BEV CSK	US32D	RO 087100
3 Silencer	608		RO 087100
1 Position Switch	DPS-MW-BK/GY/WH (as required)		SU 087100

## Notes: Operation:

- Door normally closed and secure.
- Access by valid credential presentation at card reader integrated on Lockset Escutcheon, unlocking lever trim to allow authorized entry and then relocking.
- Egress always free for immediate exit. Request-to-Exit sensor allows exit without alarm condition.
- Door position switch provides open/closed monitoring to both access control system and intrusion alarm service.
- Outside lever trim remains locked (fail secure) in event of power loss (Battery Powered). Key override cylinder for emergency access.

**Set: 35.0**

Doors: A107.1, D151

3 Hinge, Full Mortise	TA2714 (NRP and size as required)	US26D	MK 087100
1 Wireless Access Control Mort Lock	Provided by Security Contractor	US26D/US32D	281500
1 LFIC Core (Interior)	Large Format Interchangeable Core (Keyed as Directed by the Owner)	US15	SA 087100
1 Surf Overhead Hold Open	10-X26 (Size as Required)	630	RF 087100
1 Surface Closer	351 UO (RA or PA Mount as Required)	EN	SA 087100
1 Kick Plate	K1050 10" high BEV CSK	US32D	RO 087100
1 Wall or Floor Stop (as Required)	403 (or) 441CU (As Required)	US26D	RO 087100
3 Silencer	608		RO 087100
1 Position Switch	DPS-MW-BK/GY/WH (as required)		SU 087100

## Notes: Operation:

- Door normally closed and secure.
- Access by valid credential presentation at card reader integrated on Lockset Escutcheon, unlocking lever trim to allow authorized entry and then relocking.
- Egress always free for immediate exit. Request-to-Exit sensor allows exit without alarm condition.

- Door position switch provides open/closed monitoring to both access control system and intrusion alarm service.
- Outside lever trim remains locked (fail secure) in event of power loss (Battery Powered). Key override cylinder for emergency access.

**Set: 36.0**

Doors: A117.1, E108, F136, F137, H105.1

3 Hinge, Full Mortise	TA2714 (NRP and size as required)	US26D	MK 087100
1 Wireless Access Control Mort Lock	Provided by Security Contractor	US26D/US32D	281500
1 LFIC Core (Interior)	Large Format Interchangeable Core (Keyed as Directed by the Owner)	US15	SA 087100
1 Surface Closer (Multi-Point Electronic HO)	80 2900 Series	EN	SA 087100
1 Kick Plate	K1050 10" high BEV CSK	US32D	RO 087100
1 Wall or Floor Stop (as Required)	403 (or) 441CU (As Required)	US26D	RO 087100
1 Adhesive Perimeter Gasketing	S88BL (Head & Jambs)		PE 087100

## Notes: Operation:

- Door normally closed and secure.
- Access by valid credential presentation at card reader integrated on Lockset Escutcheon, unlocking lever trim to allow authorized entry and then relocking.
- Egress always free for immediate exit. Request-to-Exit sensor allows exit without alarm condition.
- Door position switch provides open/closed monitoring to both access control system and intrusion alarm service.
- Outside lever trim remains locked (fail secure) in event of power loss (Battery Powered). Key override cylinder for emergency access.
- Doors can be held open by electro hold open closer and will be released to close upon activation of fire alarm.

Power and fire alarm relays to electro hold open closer by others.

**Set: 36.1**

Doors: NW-A002

3 Hinge, Full Mortise	TA2714 (NRP and size as required)	US26D	MK 087100
1 Wireless Access Control Mort Lock	Provided by Security Contractor	US26D/US32D	281500
1 LFIC Core (Interior)	Large Format Interchangeable Core (Keyed as Directed by the Owner)	US15	SA 087100
1 Surface Closer	351 PS (HD PA STP Arm)	EN	SA 087100
1 Kick Plate	K1050 10" high BEV CSK	US32D	RO 087100
1 Wall or Floor Stop (as Required)	403 (or) 441CU (As Required)	US26D	RO 087100

1 Adhesive Perimeter Gasketing      [S88BL \(Head & Jambs\)](#)      PE 087100

Notes: Operation:

- Door normally closed and secure.
- Access by valid credential presentation at card reader integrated on Lockset Escutcheon, unlocking lever trim to allow authorized entry and then relocking.
- Egress always free for immediate exit. Request-to-Exit sensor allows exit without alarm condition.
- Door position switch provides open/closed monitoring to both access control system and intrusion alarm service.
- Outside lever trim remains locked (fail secure) in event of power loss (Battery Powered). Key override cylinder for emergency access.

**Set: 37.0**

Doors: [A116.1](#), A117, E005.2, E119.1, L122.1, L122.2

3 Hinge, Full Mortise	<a href="#">TA2714 (NRP and size as required)</a>	US26D	MK 087100
1 Wireless Access Control Mort Lock	<a href="#">Provided by Security Contractor</a>	US26D/US32D	281500
1 LFIC Core (Interior)	<a href="#">Large Format Interchangeable Core (Keyed as Directed by the Owner)</a>	US15	SA 087100
1 Surface Closer (Multi-Point Electronic HO)	<a href="#">80 2900 Series</a>	EN	SA 087100
1 Kick Plate	<a href="#">K1050 10" high BEV CSK</a>	US32D	RO 087100
1 Adhesive Perimeter Gasketing	<a href="#">S88BL (Head &amp; Jambs)</a>		PE 087100
1 Position Switch	<a href="#">DPS-MW-BK/GY/WH (as required)</a>		SU 087100

Notes: Operation:

- Door normally closed and secure.
  - Access by valid credential presentation at card reader integrated on Lockset Escutcheon, unlocking lever trim to allow authorized entry and then relocking.
  - Egress always free for immediate exit. Request-to-Exit sensor allows exit without alarm condition.
  - Door position switch provides open/closed monitoring to both access control system and intrusion alarm service.
  - Outside lever trim remains locked (fail secure) in event of power loss (Battery Powered). Key override cylinder for emergency access.
  - Doors can be held open by electro hold open closer and will be released to close upon activation of fire alarm.
- Power and fire alarm relays to electro hold open closer by others.

**Set: 38.0**

Doors: [D156.2](#), [E101.1](#), [E112.2](#)

3 Hinge, Full Mortise, Hvy Wt	T4A3786 (NRP and size as required)	US26D	MK 087100
1 Electric Power Transfer	EL-CEPT	630	SU 087100
1 Wireless Access Control Mort Lock	Provided by Security Contractor	US26D/US32D	281500
1 LFIC Core (Interior)	Large Format Interchangeable Core (Keyed as Directed by the Owner)	US15	SA 087100
1 Surf Overhead Stop	10-X36 (Size as Required)	630	RF 087100
1 Surface Closer	351 UO (RA or PA Mount as Required)	EN	SA 087100
1 Kick Plate	K1050 10" high CSK BEV	US32D	RO 087100
1 Adhesive Perimeter Gasketing	S88BL (Head & Jambs)		PE 087100
1 ElectroLynx Harness	QC-C***** x Length Required		MK 087100
1 ElectroLynx Harness (Frame)	QC-C3000P		MK 087100
1 Power Supply	AQD (Size and Options as required)		SU 087100
1 Wiring Diagram	Elevation and Point to Point as Specified		OT

Notes:

System Operational Narrative:

- Door normally closed and secure.
- Access by valid credential presentation unlocking lever trim for a pre-determined time limit and then relocking.
- Egress always free for immediate exit. Request-to-Exit sensor allows exit without alarm condition.
- Door position switch provides open/closed monitoring to both access control system and intrusion alarm service.
- Outside lever trim remains locked (fail secure) in event of power loss. Key override cylinder for emergency access.

**Set: 39.0**

Doors: B113.1, B114.1, NW-A107.1

3 Hinge, Full Mortise	TA2714 (NRP and size as required)	US26D	MK 087100
1 Wireless Access Control Mort Lock	Provided by Security Contractor	US26D/US32D	281500
1 LFIC Core (Interior)	Large Format Interchangeable Core (Keyed as Directed by the Owner)	US15	SA 087100
1 Conc Overhead Stop	6-X36	630	RF 087100
1 Surface Closer (Multi-Point Electronic HO)	80 2900 Series	EN	SA 087100
1 Kick Plate	K1050 10" high BEV CSK	US32D	RO 087100
1 Adhesive Perimeter Gasketing	S88BL (Head & Jambs)		PE 087100

1 Position Switch	DPS-MW-BK/GY/WH (as required)		SU 087100
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## Notes: Operation:

- Door normally closed and secure.
  - Access by valid credential presentation at card reader integrated on Lockset Escutcheon, unlocking lever trim to allow authorized entry and then relocking.
  - Egress always free for immediate exit. Request-to-Exit sensor allows exit without alarm condition.
  - Door position switch provides open/closed monitoring to both access control system and intrusion alarm service.
  - Outside lever trim remains locked (fail secure) in event of power loss (Battery Powered). Key override cylinder for emergency access.
  - Doors can be held open by electro hold open closer and will be released to close upon activation of fire alarm.
- Power and fire alarm relays to electro hold open closer by others.

**Set: 40.0**Doors: [A116b](#), B116a, J101d

8 Hinge, Full Mortise	TA2714 (NRP and size as required)	US26D	MK 087100
1 Self Latching Flush Bolt Set	2845 / 2945 (as required)	US26D	RO 087100
1 Dust Proof Strike	570	US26D	RO 087100
1 Storeroom/Closet Lock	8204 E4NJ (LFIC Temp Core)	US32D	SA 087100
1 LFIC Core (Interior)	Large Format Interchangeable Core (Keyed as Directed by the Owner)	US15	SA 087100
2 Surface Closer	351 PSH (PA HD STP Arm w/HO)	EN	SA 087100
2 Kick Plate	K1050 10" high BEV CSK	US32D	RO 087100
2 Silencer	608		RO 087100

**Set: 41.0**Doors: [F124a](#)

6 Hinge, Full Mortise	TA2714 (NRP and size as required)	US26D	MK 087100
1 Self Latching Flush Bolt Set	2845 / 2945 (as required)	US26D	RO 087100
1 Dust Proof Strike	570	US26D	RO 087100
1 Storeroom/Closet Lock	8204 E4NJ (LFIC Temp Core)	US32D	SA 087100
1 LFIC Core (Interior)	Large Format Interchangeable Core (Keyed as Directed by the Owner)	US15	SA 087100
1 Coordinator	2600 Series x Mounting Brackets As Required	Black	RO 087100
2 Surface Closer	351 PSH (PA HD STP Arm w/HO)	EN	SA 087100
2 Kick Plate	K1050 10" high BEV CSK	US32D	RO 087100
2 Silencer	608		RO 087100

**Set: 42.0**Doors: E102, F141a, H104b, H105a, L108, L111, L112, L112a, NW-A109, NW-A111a, NW-A111b,  
NW-D106, NW-D128

3 Hinge, Full Mortise	TA2714 (NRP and size as required)	US26D	MK 087100
1 Storeroom/Closet Lock	8204 E4NJ (LFIC Temp Core)	US32D	SA 087100
1 LFIC Core (Interior)	Large Format Interchangeable Core (Keyed as Directed by the Owner)	US15	SA 087100
1 Surface Closer	351 H (RA HO Arm)	EN	SA 087100
1 Kick Plate	K1050 10" high BEV CSK	US32D	RO 087100
1 Wall or Floor Stop (as Required)	403 (or) 441CU (As Required)	US26D	RO 087100
3 Silencer	608		RO 087100

**Set: 43.0**

Doors: H101

3 Hinge, Full Mortise	TA2714 (NRP and size as required)	US26D	MK 087100
1 Storeroom/Closet Lock	8204 E4NJ (LFIC Temp Core)	US32D	SA 087100
1 LFIC Core (Interior)	Large Format Interchangeable Core (Keyed as Directed by the Owner)	US15	SA 087100
1 Surface Closer	351 PSH (PA HD STP Arm w/HO)	EN	SA 087100
1 Kick Plate	K1050 10" high BEV CSK	US32D	RO 087100
3 Silencer	608		RO 087100

**Set: 44.0**

Doors: A021a, A031a, A117a, A119a, C103, D158a, L123a, L209

3 Hinge, Full Mortise	TA2714 (NRP and size as required)	US26D	MK 087100
1 Storeroom/Closet Lock	8204 E4NJ (LFIC Temp Core)	US32D	SA 087100
1 LFIC Core (Interior)	Large Format Interchangeable Core (Keyed as Directed by the Owner)	US15	SA 087100
1 Surface Closer	351 PSH (PA HD STP Arm w/HO)	EN	SA 087100
1 Kick Plate	K1050 10" high CSK BEV	US32D	RO 087100
1 Wall or Floor Stop (as Required)	403 (or) 441CU (As Required)	US26D	RO 087100
3 Silencer	608		RO 087100

**Set: 45.0**

Doors: D159.1, L115b, NW-D101, NW-D129

3 Hinge, Full Mortise	TA2714 (NRP and size as required)	US26D	MK 087100
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1 Storeroom/Closet Lock	8204 E4NJ (LFIC Temp Core)	US32D	SA 087100
1 LFIC Core (Interior)	Large Format Interchangeable Core (Keyed as Directed by the Owner)	US15	SA 087100
1 Surf Overhead Hold Open	10-X26 (Size as Required)	630	RF 087100
1 Surface Closer	351 UO (RA or PA Mount as Required)	EN	SA 087100
1 Kick Plate	K1050 10" high BEV CSK	US32D	RO 087100
3 Silencer	608		RO 087100

**Set: 46.0**

Doors: J101e

3 Hinge, Full Mortise	TA2714 (NRP and size as required)	US26D	MK 087100
1 Storeroom/Closet Lock	8204 E4NJ (LFIC Temp Core)	US32D	SA 087100
1 LFIC Core (Interior)	Large Format Interchangeable Core (Keyed as Directed by the Owner)	US15	SA 087100
1 Surface Closer (Multi-Point Electronic HO)	80 2900 Series	EN	SA 087100
1 Kick Plate	K1050 10" high CSK BEV	US32D	RO 087100
1 Wall or Floor Stop (as Required)	403 (or) 441CU (As Required)	US26D	RO 087100
1 Adhesive Perimeter Gasketing	S88BL (Head & Jambs)		PE 087100

Notes: Operation:

- Doors can be held open by electro hold open closer and will be released to close upon activation of fire alarm.

Power and fire alarm relays to electro hold open closer by others.

**Set: 47.0**

Doors: B111

1 Hinge, Full Mortise	TA2714 (NRP and size as required)	US26D	MK 087100
1 Storeroom/Closet Lock	8204 E4NJ (LFIC Temp Core)	US32D	SA 087100
1 LFIC Core (Interior)	Large Format Interchangeable Core (Keyed as Directed by the Owner)	US15	SA 087100
1 Conc Overhead Stop	6-X36	630	RF 087100
1 Surface Closer (Multi-Point Electronic HO)	80 2900 Series	EN	SA 087100
1 Kick Plate	K1050 10" high BEV CSK	US32D	RO 087100
1 Adhesive Perimeter Gasketing	S88BL (Head & Jambs)		PE 087100

Notes: Operation:

Door can be held open by electronic closer/holder and will be released to close upon activation of fire

alarm.

Power to electronic closer/holders and relay to fire alarm by others.

**Set: 48.0**

Doors: A103.2, A107.2, A108, A109, D155a, E005.1, E114.2, H104.2, H105.2, L109.1, L110.1, L122a, NW-A102, NW-A103, NW-A104, NW-A104.1, NW-A105, NW-A106, NW-A106b, NW-A107.2, NW-A108

3 Hinge, Full Mortise	TA2714 (NRP and size as required)	US26D	MK 087100
1 Office/Entry Lock	8205 E4NJ (LFIC Temp Core)	US32D	SA 087100
1 LFIC Core (Interior)	Large Format Interchangeable Core (Keyed as Directed by the Owner)	US15	SA 087100
1 Surface Closer	351 H (RA HO Arm)	EN	SA 087100
1 Kick Plate	K1050 10" high CSK BEV	US32D	RO 087100
1 Wall or Floor Stop (as Required)	403 (or) 441CU (As Required)	US26D	RO 087100
1 Silencer	608		RO 087100

**Set: 49.0**

Doors: D155.4

3 Hinge, Full Mortise	TA2714 (NRP and size as required)	US26D	MK 087100
1 Office/Entry Lock	8205 E4NJ (LFIC Temp Core)	US32D	SA 087100
1 LFIC Core (Interior)	Large Format Interchangeable Core (Keyed as Directed by the Owner)	US15	SA 087100
1 Surface Closer	351 PSH (PA HD STP Arm w/HO)	EN	SA 087100
1 Kick Plate	K1050 10" high BEV CSK	US32D	RO 087100
3 Silencer	608		RO 087100

**Set: 50.0**

Doors: A101, D155.3, L104.2

3 Hinge, Full Mortise	TA2714 (NRP and size as required)	US26D	MK 087100
1 Office/Entry Lock	8205 E4NJ (LFIC Temp Core)	US32D	SA 087100
1 LFIC Core (Interior)	Large Format Interchangeable Core (Keyed as Directed by the Owner)	US15	SA 087100
1 Surf Overhead Hold Open	10-X26 (Size as Required)	630	RF 087100
1 Surface Closer	351 UO (RA or PA Mount as Required)	EN	SA 087100
1 Kick Plate	K1050 10" high BEV CSK	US32D	RO 087100
3 Silencer	608		RO 087100

**Set: 51.0**Doors: [D156.1](#), [NW-A101.1](#)

3 Hinge, Full Mortise	TA2714 (NRP and size as required)	US26D	MK 087100
1 Office/Entry Lock	8205 E4NJ (LFIC Temp Core)	US32D	SA 087100
1 LFIC Core (Interior)	Large Format Interchangeable Core (Keyed as Directed by the Owner)	US15	SA 087100
1 Conc Overhead Stop	6-X36	630	RF 087100
1 Surface Closer (Multi-Point Electronic HO)	80 2900 Series	EN	SA 087100
1 Kick Plate	K1050 10" high BEV CSK	US32D	RO 087100
1 Adhesive Perimeter Gasketing	S88BL (Head & Jambs)		PE 087100

Notes: Operation:

Door can be held open by electronic closer/holder and will be released to close upon activation of fire alarm.

Power to electronic closer/holders and relay to fire alarm by others.

**Set: 52.0**Doors: [E123.2](#)

6 Hinge, Full Mortise	TA2714 (NRP and size as required)	US26D	MK 087100
1 Self Latching Flush Bolt Set	2845 / 2945 (as required)	US26D	RO 087100
1 Dust Proof Strike	570	US26D	RO 087100
1 Classroom Lock	8237 E4NJ (LFIC Temp Core)	US32D	SA 087100
1 LFIC Core (Interior)	Large Format Interchangeable Core (Keyed as Directed by the Owner)	US15	SA 087100
1 Coordinator	2600 Series x Mounting Brackets As Required	Black	RO 087100
2 Surface Closer	351 PSH (PA HD STP Arm w/HO)	EN	SA 087100
2 Kick Plate	K1050 10" high BEV CSK	US32D	RO 087100
2 Silencer	608		RO 087100

**Set: 53.0**Doors: [D155.1](#)

3 Hinge, Full Mortise	TA2714 (NRP and size as required)	US26D	MK 087100
1 Classroom Lock	8237 E4NJ (LFIC Temp Core)	US32D	SA 087100
1 LFIC Core (Interior)	Large Format Interchangeable Core (Keyed as Directed by the Owner)	US15	SA 087100
1 Conc Overhead Stop	6-X36	630	RF 087100

1 Surface Closer (Multi-Point Electronic HO)	80 2900 Series	EN	SA 087100
1 Kick Plate	K1050 10" high BEV CSK	US32D	RO 087100
1 Adhesive Perimeter Gasketing	S88BL (Head & Jambs)		PE 087100

## Notes: Operation:

Door can be held open by electronic closer/holder and will be released to close upon activation of fire alarm.

Power to electronic closer/holders and relay to fire alarm by others.

**Set: 54.0**

Doors: E107, E119.2, H105.3, NW-D102

3 Hinge, Full Mortise	TA2714 (NRP and size as required)	US26D	MK 087100
1 Classroom Security Lock	V21 8241 E4NJ (LFIC Temp Cores - OCC IND)	US32D	SA 087100
1 LFIC Core (Interior)	Large Format Interchangeable Core (Keyed as Directed by the Owner)	US15	SA 087100
1 Surface Closer	351 PSH (PA HD STP Arm w/HO)	EN	SA 087100
1 Kick Plate	K1050 10" high BEV CSK	US32D	RO 087100
1 Wall or Floor Stop (as Required)	403 (or) 441CU (As Required)	US26D	RO 087100
1 Silencer	608		RO 087100

**Set: 55.0**

Doors: A118, B109, B110, B115b, D160, F135, H103

3 Hinge, Full Mortise	TA2714 (NRP and size as required)	US26D	MK 087100
1 Classroom Security Lock	V21 8241 E4NJ (LFIC Temp Cores - OCC IND)	US32D	SA 087100
2 LFIC Core (Interior)	Large Format Interchangeable Core (Keyed as Directed by the Owner)	US15	SA 087100
1 Surface Closer (Multi-Point Electronic HO)	80 2900 Series	EN	SA 087100
1 Kick Plate	K1050 10" high BEV CSK	US32D	RO 087100
1 Wall or Floor Stop (as Required)	403 (or) 441CU (As Required)	US26D	RO 087100
1 Adhesive Perimeter Gasketing	S88BL (Head & Jambs)		PE 087100

## Notes: Operation:

Door can be held open by electronic closer/holder and will be released to close upon activation of fire alarm.

Power to electronic closer/holders and relay to fire alarm by others.

**Set: 56.0**

Doors: E116, F141b, L105a, NW-A105a, NW-A106a

3 Hinge, Full Mortise	TA2714 (NRP and size as required)	US26D	MK 087100
1 Privacy Lock	V21 8265 E4NJ	US32D	SA 087100
1 Kick Plate	K1050 10" high CSK BEV	US32D	RO 087100
1 Wall or Floor Stop (as Required)	403 (or) 441CU (As Required)	US26D	RO 087100
1 Silencer	608		RO 087100
1 Coat Hook	RM801	US26D	RO 087100

**Set: 57.0**

Doors: A129b, A130b, D149, D157, D160a, D160b, E109, E117, L126, L127, L208, NW-A110

3 Hinge, Full Mortise	TA2714 (NRP and size as required)	US26D	MK 087100
1 Dormitory/Exit Lock	V21 8225 E4NJ (LFIC Temp Core - OCC IND)	US32D	SA 087100
1 Surface Closer	351 H (RA HO Arm)	EN	SA 087100
1 Kick Plate	K1050 10" high BEV CSK	US32D	RO 087100
1 Wall or Floor Stop (as Required)	403 (or) 441CU (As Required)	US26D	RO 087100
3 Silencer	608		RO 087100

**Set: 58.0**

Doors: A108a, A129a.1, A129a.2, A130a.1, A130a.2, L106, L207, NW-A002a, NW-D107, NW-D108

3 Hinge, Full Mortise	TA2714 (NRP and size as required)	US26D	MK 087100
1 Dormitory/Exit Lock	V21 8225 E4NJ (LFIC Temp Core - OCC IND)	US32D	SA 087100
1 LFIC Core (Interior)	Large Format Interchangeable Core (Keyed as Directed by the Owner)	US15	SA 087100
1 Surface Closer	351 PSH (PA HD STP Arm w/HO)	EN	SA 087100
1 Kick Plate	K1050 10" high CSK BEV	US32D	RO 087100
1 Silencer	608		RO 087100

**Set: 59.0**

Doors: F140, H102

3 Hinge, Full Mortise	TA2714 (NRP and size as required)	US26D	MK 087100
1 Dormitory/Exit Lock	V21 8225 E4NJ (LFIC Temp Core - OCC IND)	US32D	SA 087100
1 LFIC Core (Interior)	Large Format Interchangeable Core (Keyed as Directed by the Owner)	US15	SA 087100

1 Conc Overhead Stop	6-X36	630	RF 087100
1 Surface Closer (Multi-Point Electronic HO)	80 2900 Series	EN	SA 087100
1 Kick Plate	K1050 10" high BEV CSK	US32D	RO 087100
1 Adhesive Perimeter Gasketing	S88BL (Head & Jambs)		PE 087100

## Notes: Operation:

Door can be held open by electronic closer/holder and will be released to close upon activation of fire alarm.

Power to electronic closer/holders and relay to fire alarm by others.

**Set: 60.0**

Doors: L106f

3 Hinge, Full Mortise	TA2714 (NRP and size as required)	US26D	MK 087100
1 Passage Latch	8215 E4NJ	US32D	SA 087100
1 Surf Overhead Stop	10-X36 (Size as Required)	630	RF 087100
3 Silencer	608		RO 087100

**Set: 61.0**

Doors: E122a, L115c, L115d

3 Hinge, Full Mortise	TA2714 (NRP and size as required)	US26D	MK 087100
1 Passage Latch	8215 E4NJ	US32D	SA 087100
1 Surface Closer	351 H (RA HO Arm)	EN	SA 087100
1 Kick Plate	K1050 10" high CSK BEV	US32D	RO 087100
1 Wall or Floor Stop (as Required)	403 (or) 441CU (As Required)	US26D	RO 087100
3 Silencer	608		RO 087100

**Set: 62.0**

Doors: E123a

3 Hinge, Full Mortise	TA2714 (NRP and size as required)	US26D	MK 087100
1 Passage Latch	8215 E4NJ	US32D	SA 087100
1 Surface Closer	351 PSH (PA HD STP Arm w/HO)	EN	SA 087100
1 Kick Plate	K1050 10" high BEV CSK	US32D	RO 087100
1 Wall or Floor Stop (as Required)	403 (or) 441CU (As Required)	US26D	RO 087100
3 Silencer	608		RO 087100

**Set: 63.0**

Doors: L115a

1 Continuous Hinge	CFM_SLF-HD1 x Length Required		PE 087100
1 Passage Latch	8215 E4NJ	US32D	SA 087100
1 Surface Closer	351 PSH (PA HD STP Arm w/HO)	EN	SA 087100
1 Kick Plate	K1050 10" high BEV CSK	US32D	RO 087100
1 Wall or Floor Stop (as Required)	403 (or) 441CU (As Required)	US26D	RO 087100
1 Gasketing	Provided By Door/Frame Supplier		OT

**Set: 64.0**

Doors: F138, F139

3 Hinge, Full Mortise	TA2714 (NRP and size as required)	US26D	MK 087100
1 Passage Latch	8215 E4NJ	US32D	SA 087100
1 Surface Closer	351 UO (RA or PA Mount as Required)	EN	SA 087100
1 Kick Plate	K1050 10" high CSK BEV	US32D	RO 087100
1 Wall or Floor Stop (as Required)	403 (or) 441CU (As Required)	US26D	RO 087100
1 Adhesive Perimeter Gasketing	S88BL (Head & Jambs)		PE 087100

**Set: 65.0**

Doors: A120, F208, F209, L124, L125, L201, L202

3 Hinge, Full Mortise, Hvy Wt	T4A3786 (NRP and size as required)	US26D	MK 087100
1 Push Plate	70C-RKW	US32D	RO 087100
1 Pull	RM3020-12 Mtg-Type 12XHD	US32-316	RO 087100
1 Surface Closer	351 UO (RA or PA Mount as Required)	EN	SA 087100
1 Kick Plate	K1050 10" high CSK BEV	US32D	RO 087100
1 Wall or Floor Stop (as Required)	403 (or) 441CU (As Required)	US26D	RO 087100
1 Silencer	608		RO 087100

**Set: 66.0**

Doors: A116.3, A116.4, B116.2, C101A, C101B, H104a.2, J101.2, J101b.2, J102.2, J102.3, J102.4

1 LFIC Core (KESO)	Large Format Interchangeable Core - Keyed as directed by Owner	US15	SA 087100
1 LFIC Cylinder	type as required	US32D	SA 087100
1	All Hardware Provided By Door Supplier		

**Set: 67.0**

Doors: MISC

1 Repair Kit	QC-R001	MK 087100
1 Crimp Tool	QC-R003	MK 087100
1 Test Unit	WT2	SA 087100
1 Wireless Access Control Hub	By Security Contractor (To Link Wireless Locks to AC System)	SA 087100
1 Wireless Access Control Antenna	By Security Contractor (To Link Wireless Locks to AC System)	SA 087100

END OF SECTION 087100

SECTION 080671 – DOOR HARDWARE SCHEDULE

PART 1 - PRODUCTS

1.1 SCHEDULED DOOR HARDWARE

A. Refer to “PART 3 – EXECUTION” for required specification sections.

PART 2 -

1. MK - McKinney
2. PE - Pemko
3. SU - Securitron
4. RO - Rockwood
5. SA - SARGENT
6. AD - Adams Rite
7. RF - Rixson
8. NO - Norton
9. OT - Other

**Hardware Sets**

**Set: 1.0**

Doors: F001.1, K001.1, L006.1, L008.1

2 Continuous Hinge	CFM_SLF-HD1 PT x Length Required		PE 087100
2 Electric Power Transfer	EL-CEPT	630	SU 087100
1 Narrow CVR Exit Device w/Pull (NL, RX, ELR, CD)	16 43 55 56 AD8410 106 x 863 (Cyl. Dogging - LFIC Temp Core)	US32D	SA 087100
1 Narrow CVR Exit Device w/Pull (EO, RX, ELR, CD)	16 43 55 56 AD8410 863 (Cyl. Dogging)	US32D	SA 087100
3 LFIC Core (KESO)	Large Format Interchangeable Core - Keyed as directed by Owner	US15	SA 087100
2 Surface Closer	351 CPS (HD Cush STP Arm)	EN	SA 087100
2 Drop Plate	351D (as required)	EN	SA 087100
2 Blade Stop Spacer Kit	581-1 or 2 (as required)	EN	SA 087100
2 Sweep	3452CNB x Length Required		PE 087100

1 Threshold	273x224AFGT MSES25SS x Length Required	PE 087100
2 Harness Adaptor	52-2946	SA
1 Card Reader	Provided by Security Supplier	
2 ElectroLynx Harness (Door)	QC-C**** x Length Required	MK 087100
2 ElectroLynx Harness (Frame)	QC-C3000P	MK 087100
2 Position Switch	DPS-MW-BK/GY/WH (as required)	SU 087100
1 Power Supply	AQD (Size and Options as required)	SU 087100
1 Wiring Diagram	Elevation and Point to Point as Specified	OT

Notes: Perimeter and meeting stile gasket by door / frame manufacturer.

Operation:

During Programed Hours:

- Exit Device Latches can be electronically held (Dogged) to allow Push Pull Operation.
- Manual entry or egress is always available by pushing exit device push bar or pulling door open.
- Door position switches at each leaf will signal the doors OPEN/CLOSED status to the access control panel.
- The exit devices are fail secure and will latch on activation of fire alarm or in the absence of power.

Normal Operation:

- Doors are normally closed and latched.
- Active leaf Exit Device has Nightlatch Function (Key will retract the exit device latch, door is latched when the key is removed).
- When an authorized card read is detected on the secured side of the door the access control system will momentarily retract the exit device latches to allow authorized manual entry.
- Manual egress is always available by pressing either exit device push bar of the pair. Request to exit switch in the exit device push bar will signal an authorized egress to that access control system.
- Door position switches at each leaf will signal the doors OPEN/CLOSED status to the access control panel.
- The exit devices are fail secure and will latch on activation of fire alarm or in the absence of power.

**Set: 2.0**

Doors: D001.1, E001.1, L001.1

2 Continuous Hinge	CFM_SLF-HD1 PT x Length Required	PE 087100
2 Electric Power Transfer	EL-CEPT 630	SU 087100
1 Narrow CVR Exit Device w/Pull (NL, RX, ELR, CD)	16 43 55 56 AD8410 106 x 863 (Cyl. Dogging - LFIC Temp Core)	US32D SA 087100
1 Narrow CVR Exit Device w/Pull (EO, RX, ELR, CD)	16 43 55 56 AD8410 863 (Cyl. Dogging)	US32D SA 087100
3 LFIC Core (KESO)	Large Format Interchangeable Core	US15 SA 087100

	- Keyed as directed by Owner		
2 Surface Closer	351 CPS (HD Cush STP Arm)	EN	SA 087100
2 Drop Plate	351D (as required)	EN	SA 087100
2 Blade Stop Spacer Kit	581-1 or 2 (as required)	EN	SA 087100
2 Sweep	3452CNB x Length Required		PE 087100
1 Threshold	273x224AFGT MSES25SS x Length Required		PE 087100
2 Harness Adaptor	52-2946		SA
2 ElectroLynx Harness	QC-C**** x Length Required		MK 087100
2 ElectroLynx Harness (Frame)	QC-C3000P		MK 087100
2 Position Switch	DPS-MW-BK/GY/WH (as required)		SU 087100
1 Power Supply	AQD (Size and Options as required)		SU 087100
1 Wiring Diagram	Elevation and Point to Point as Specified		OT

Notes: Perimeter and meeting stile gasket by door / frame manufacturer.

Operation:

During Programed Hours:

- Exit Device Latches are electronically held (Dogged) to allow Push Pull Operation.
- Manual entry or egress is always available by pushing exit device push bar or pulling door open.
- Door position switches at each leaf will signal the doors OPEN/CLOSED status to the access control panel.
- The exit devices are fail secure and will latch on activation of fire alarm or in the absence of power.

Normal Operation:

- Doors are normally closed and latched. Active leaf has Night Latch Function, Key retracts latch, door is locked when key is removed)
- When an authorized card read is detected on the secured side of the door the access control system will momentarily retract the exit device latches to allow authorized manual entry.
- Manual egress is always available by pressing either exit device push bar of the pair. Request to exit switch in the exit device push bar will signal an authorized egress to that access control system.
- Door position switches at each leaf will signal the doors OPEN/CLOSED status to the access control panel.
- The exit devices are fail secure and will latch on activation of fire alarm or in the absence of power.

**Set: 3.0**

Doors: E001.2, L001.2

2 Continuous Hinge	CFM_SLF-HD1 PT x Length Required		PE 087100
2 Electric Power Transfer	EL-CEPT	630	SU 087100
1 Narrow CVR Exit Device w/Pull	16 43 55 56 AD8410 106 x 863	US32D	SA 087100

(NL, RX, ELR, CD)	(Cyl. Dogging - LFIC Temp Core)		
1 Narrow CVR Exit Device w/Pull (EO, RX, ELR, CD)	16 43 55 56 AD8410 863 (Cyl. Dogging)	US32D	SA 087100
3 LFIC Core (KESO)	Large Format Interchangeable Core - Keyed as directed by Owner	US15	SA 087100
2 Automatic Opener	6311/6321 (as required)	689	NO 087113
2 Sweep	3452CNB x Length Required		PE 087100
1 Threshold	273x224AFGT MSES25SS x Length Required		PE 087100
2 Harness Adaptor	52-2946		SA
1 Card Reader	Provided by Security Supplier		
2 ElectroLynx Harness (Door)	QC-C**** x Length Required		MK 087100
2 ElectroLynx Harness (Frame)	QC-C3000P		MK 087100
2 Position Switch	DPS-MW-BK/GY/WH (as required)		SU 087100
2 Auto Operator Actuator Switch	505		NO 087100
1 Power Supply	AQD (Size and Options as required)		SU 087100
1 Wiring Diagram	Elevation and Point to Point as Specified		OT

Notes: Perimeter and meeting stile gasket by door / frame manufacturer.

Operation:

During Programed Hours:

- Exit Device Latches can be electronically held (Dogged) to allow Push Pull Operation.
- When the actuator button on either side of the opening is pressed the auto operators will open both doors of the pair.
- Manual entry or egress is always available by pushing exit device push bar or pulling door open.
- Door position switches at each leaf will signal the doors OPEN/CLOSED status to the access control panel.
- The exit devices are fail secure and will latch on activation of fire alarm or in the absence of power.

Normal Operation:

- Doors are normally closed and latched.
- Active leaf Exit Device has Nightlatch Function (Key will retract the exit device latch, door is latched when the key is removed).
- When an authorized card read is detected on the secured side of the door the access control system will momentarily retract the exit device latches and activate the auto operator actuator button on the secured side of the opening.
- When the actuator button on the secure is pressed (after the authorized card read) the auto operators will open the doors.
- Assisted Egress can be achieved at any time by pushing the actuator button on the unsecured side of the opening to retract the exit device latches and activating the auto operators to open both doors.
- Manual egress is always available by pressing either exit device push bar of the pair. Request to exit switch in the exit device push bar will signal an authorized egress to that access control system.
- Door position switches at each leaf will signal the doors OPEN/CLOSED status to the access control

panel.

- The exit devices are fail secure and will latch on activation of fire alarm or in the absence of power.

**Set: 3.1**

Doors: NW-A001.1, NW-A003.1, NW-B003.1, NW-B003.2, NW-D001.3, NW-D001.4, NW-D002

2 Continuous Hinge	CFM_SLF-HD1 PT x Length Required		PE 087100
2 Electric Power Transfer	EL-CEPT	630	SU 087100
1 Removable Mullion	L980S / L980A (As Required) x Length Required	PC	SA 087100
1 Narrow Rim Exit Device w/Pull (NL, RX, ELR, CD)	16 43 55 56 8504 863 (Cyl. Dogging, LFIC Temp Core)	US32D	SA 087100
1 Narrow Rim Exit Device w/Pull (EO, RX, ELR, CD)	16 43 55 56 8510 863 (Cyl. Dogging, LFIC Temp Core)	US32D	SA 087100
1 LFIC Core (KESO)	Large Format Interchangeable Core - Keyed as directed by Owner	US15	SA 087100
2 Automatic Opener	6311/6321 (as required)	689	NO 087113
1 Mullion Gasketing	5110BL x Mullion Height		PE 087100
2 Sweep	3452CNB x Length Required		PE 087100
1 Threshold	273x224AFGT MSES25SS x Length Required		PE 087100
2 Harness Adaptor	52-2946		SA
1 Card Reader	Provided by Security Supplier		
2 ElectroLynx Harness (Door)	QC-C**** x Length Required		MK 087100
2 ElectroLynx Harness (Frame)	QC-C3000P		MK 087100
2 Position Switch	DPS-MW-BK/GY/WH (as required)		SU 087100
2 Auto Operator Actuator Switch	505		NO 087100
1 Power Supply	AQD (Size and Options as required)		SU 087100
1 Wiring Diagram	Elevation and Point to Point as Specified		OT

Notes: Perimeter and meeting stile gasket by door / frame manufacturer.

Operation:

During Programed Hours:

- Exit Device Latches can be electronically held (Dogged) to allow Push Pull Operation.
- When the actuator button on either side of the opening is pressed the auto operators will open both doors of the pair.
- Manual entry or egress is always available by pushing exit device push bar or pulling door open.
- Door position switches at each leaf will signal the doors OPEN/CLOSED status to the access control panel.

- The exit devices are fail secure and will latch on activation of fire alarm or in the absence of power.

Normal Operation:

- Doors are normally closed and latched.
- Active leaf Exit Device has Nightlatch Function (Key will retract the exit device latch, door is latched when the key is removed).
- When an authorized card read is detected on the secured side of the door the access control system will momentarily retract the exit device latches and activate the auto operator actuator button on the secured side of the opening.
- When the actuator button on the secure is pressed (after the authorized card read) the auto operators will open the doors.
- Assisted Egress can be achieved at any time by pushing the actuator button on the unsecured side of the opening to retract the exit device latches and activating the auto operators to open both doors.
- Manual egress is always available by pressing either exit device push bar of the pair. Request to exit switch in the exit device push bar will signal an authorized egress to that access control system.
- Door position switches at each leaf will signal the doors OPEN/CLOSED status to the access control panel.
- The exit devices are fail secure and will latch on activation of fire alarm or in the absence of power.

**Set: 4.0**

Doors: E003, G003.1, G003.3

2 Continuous Hinge	CFM_SLF-HD1 x Length Required		PE 087100
2 Manual Flush Bolt	555	US26D	RO 087100
1 Dust Proof Strike	570	US26D	RO 087100
1 Narrow Mortise Deadlock	MS1850S 1-1/8" BS 1	628	AD 087100
1 Thumb Turn Cylinder	4066	130	AD 087100
1 LFIC Core (KESO)	Large Format Interchangeable Core - Keyed as directed by Owner	US15	SA 087100
1 LFIC Mortise Cylinder Housing	Size and Cam as required	US32D	SA 087100
2 Push Bar & Pull	BF15847 HD Back-to-Back Mount	US32D-316	RO 087100
2 Surface Closer	351 CPS (HD Cush STP Arm)	EN	SA 087100
2 Drop Plate	351D (as required)	EN	SA 087100
2 Blade Stop Spacer Kit	581-1 or 2 (as required)	EN	SA 087100
1 Gasketing	Provided By Door/Frame Supplier		OT
2 Sweep	3452CNB x Length Required		PE 087100
1 Threshold	2009APK x Length Required x MSES25SS		PE 087100
2 Position Switch	DPS-MW-BK/GY/WH (as required)		SU 087100

Notes: Thumbturn is mounted on the PULL side of the doors to prevent persons from getting locked in Exterior Courtyard.

Perimeter and meeting stile gasket by door / frame manufacturer.

Operation:

- Doors are manually locked or unlocked to allow access to the courtyard. When the doors are unlocked push/pull access to the courtyard is available.
- Door position switches at each leaf will signal the doors OPEN/CLOSED status to the access control panel.

**Set: 5.0**

Doors: A022.1, A023.1

6 Hinge, Full Mortise, Hvy Wt	T4A3386 (NRP and size as required)	US32D	MK 087100
1 Removable Mullion	L980S / L980A (As Required) x Length Required	PC	SA 087100
1 Rim Exit Device (STRM, CD)	16 43 8804 ETNJ (Cyl. Dogging - LFIC Temp Core)	US32D	SA 087100
1 Rim Exit Device (EO, CD)	16 43 8810 EO (Cyl. Dogging)	US32D	SA 087100
4 LFIC Core (KESO)	Large Format Interchangeable Core - Keyed as directed by Owner	US15	SA 087100
1 Removable Mullion Cylinder w/Kit	980C1 (LFIC)	US26D	SA 087100
2 Surface Closer	351 UO (RA or PA Mount as Required)	EN	SA 087100
2 Kick Plate	K1050 10" high BEV CSK	US32D	RO 087100
2 Exterior Door Stop	467-RKW	Black	RO 087100
2 Astragal	29324CNB x Door Height		PE 087100
1 Gasketing	303AS (Head & Jambs)		PE 087100
1 Mullion Gasketing	5110BL x Mullion Height		PE 087100
1 Rain Guard	346C x Width of Frame Head		PE 087100
2 Sweep	3452CNB x Length Required		PE 087100
1 Threshold	273x224AFGT MSES25SS x Length Required		PE 087100
2 Position Switch	DPS-MW-BK/GY/WH (as required)		SU 087100

Notes: Operation:

- Doors normally closed and secure.
- Door position switches provide open/closed monitoring to both access control system and intrusion alarm service.

**Set: 6.0**

Doors: D150.3, NW-A007, NW-C001, NW-D001.1, NW-D001.2

6 Hinge, Full Mortise, Hvy Wt	T4A3386 (NRP and size as required)	US32D	MK 087100
1 Removable Mullion	L980S / L980A (As Required) x Length Required	PC	SA 087100
2 Rim Exit Device (STRM, CD)	16 43 8804 ETNJ (Cyl. Dogging - LFIC Temp Core)	US32D	SA 087100
2 Rim Exit Device (EO, CD)	16 43 8810 EO (Cyl. Dogging)	US32D	SA 087100
2 LFIC Core (KESO)	Large Format Interchangeable Core - Keyed as directed by Owner	US15	SA 087100
2 Removable Mullion Cylinder w/Kit	980C1 (LFIC)	US26D	SA 087100
2 Surface Closer	351 CPS (HD Cush STP Arm)	EN	SA 087100
2 Kick Plate	K1050 10" high BEV CSK	US32D	RO 087100
2 Exterior Door Stop	467-RKW	Black	RO 087100
2 Astragal	29324CNB x Door Height		PE 087100
1 Gasketing	303AS (Head & Jambs)		PE 087100
1 Mullion Gasketing	5110BL x Mullion Height		PE 087100
1 Rain Guard	346C x Width of Frame Head		PE 087100
2 Sweep	3452CNB x Length Required		PE 087100
1 Threshold	273x224AFGT MSES25SS x Length Required		PE 087100
2 Position Switch	DPS-MW-BK/GY/WH (as required)		SU 087100

Notes: Operation:

- Doors normally closed and secure.
- Door position switches provide open/closed monitoring to both access control system and intrusion alarm service.

**Set: 7.0**

Doors: C102

3 Hinge, Full Mortise, Hvy Wt	T4A3386 (NRP and size as required)	US32D	MK 087100
1 Rim Exit Device (STRM, CD)	16 43 8804 ETNJ (Cyl. Dogging - LFIC Temp Core)	US32D	SA 087100
2 LFIC Core (KESO)	Large Format Interchangeable Core - Keyed as directed by Owner	US15	SA 087100
1 Surface Closer	351 CPS (HD Cush STP Arm)	EN	SA 087100
1 Kick Plate	K1050 10" high BEV CSK	US32D	RO 087100
1 Gasketing	303AS (Head & Jambs)		PE 087100
1 Rain Guard	346C x Width of Frame Head		PE 087100

1 Sweep	3452CNB x Length Required		PE 087100
1 Threshold	273x224AFGT MSES25SS x Length Required		PE 087100

**Set: 7.1**

Doors: [NW-D111.2](#)

1 Continuous Hinge	CFM_SLF-HD1 PT x Length Required		PE 087100
1 Electric Power Transfer	EL-CEPT	630	SU 087100
1 Narrow Rim Exit Device w/Pull (NL, RX, ELR, CD)	16 43 55 56 8504 863 (Cyl. Dogging, LFIC Temp Core)	US32D	SA 087100
1 LFIC Core (KESO)	Large Format Interchangeable Core - Keyed as directed by Owner	US15	SA 087100
1 Surface Closer	351 UO (RA or PA Mount as Required)	EN	SA 087100
1 Kick Plate	K1050 10" high BEV CSK	US32D	RO 087100
1 Exterior Door Stop	467-RKW	Black	RO 087100
1 Gasketing	303AS (Head & Jambs)		PE 087100
1 Rain Guard	346C x Width of Frame Head		PE 087100
1 Sweep	3452CNB x Length Required		PE 087100
1 Threshold	273x224AFGT MSES25SS x Length Required		PE 087100
1 Harness Adaptor	52-2946		SA
1 ElectroLynx Harness (Door)	QC-C**** x Length Required		MK 087100
1 ElectroLynx Harness (Frame)	QC-C3000P		MK 087100
1 Position Switch	DPS-MW-BK/GY/WH (as required)		SU 087100
1 Power Supply	AQD (Size and Options as required)		SU 087100
1 Wiring Diagram	Elevation and Point to Point as Specified		OT

Notes: Operation:

- Doors are normally closed and latched. The Door has Night Latch Function, Key retracts latch, door is locked when key is removed)
- When an authorized card read is detected on the secured side of the door the access control system will momentarily retract the exit device latches to allow authorized manual entry.
- Manual egress is always available by pressing either exit device push bar of the pair. Request to exit switch in the exit device push bar will signal an authorized egress to that access control system.
- Door position switches at each leaf will signal the doors OPEN/CLOSED status to the access control panel.
- The exit devices are fail secure and will latch on activation of fire alarm or in the absence of power.

**Set: 8.0**

Doors: A116.2, B116.1

3 Hinge, Full Mortise, Hvy Wt	T4A3386 (NRP and size as required)	US32D	MK 087100
1 Rim Exit Device (STRM, CD)	16 43 8804 ETNJ (Cyl. Dogging - LFIC Temp Core)	US32D	SA 087100
2 LFIC Core (KESO)	Large Format Interchangeable Core - Keyed as directed by Owner	US15	SA 087100
1 Surface Closer	351 CPS (HD Cush STP Arm)	EN	SA 087100
1 Kick Plate	K1050 10" high BEV CSK	US32D	RO 087100
1 Gasketing	303AS (Head & Jambs)		PE 087100
1 Rain Guard	346C x Width of Frame Head		PE 087100
1 Sweep	3452CNB x Length Required		PE 087100
1 Threshold	273x224AFGT MSES25SS x Length Required		PE 087100
1 Position Switch	DPS-MW-BK/GY/WH (as required)		SU 087100

Notes: Operation:

- Door normally closed and secure.
- Door position switch provides open/closed monitoring to both access control system and intrusion alarm service.

**Set: 9.0**Doors: [K116.2](#)

6 Hinge, Full Mortise, Hvy Wt	T4A3386 (NRP and size as required)	US32D	MK 087100
1 Self Latching Flush Bolt Set	2845 / 2945 (as required)	US26D	RO 087100
1 Dust Proof Strike	570	US26D	RO 087100
1 Storeroom/Closet Lock	8204 E4NJ (LFIC Temp Core)	US32D	SA 087100
1 LFIC Core (KESO)	Large Format Interchangeable Core - Keyed as directed by Owner	US15	SA 087100
2 Surface Closer	351 CPS (HD Cush STP Arm)	EN	SA 087100
2 Kick Plate	K1050 10" high BEV CSK	US32D	RO 087100
2 Astragal	29324CNB x Door Height		PE 087100
1 Gasketing	303AS (Head & Jambs)		PE 087100
1 Rain Guard	346C x Width of Frame Head		PE 087100
2 Sweep	3452CNB x Length Required		PE 087100
1 Threshold	2009APK x Length Required x MSES25SS		PE 087100

2 Position Switch	DPS-MW-BK/GY/WH (as required)		SU 087100
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Notes: Operation:

- Doors normally closed and secure.
- Door position switches provide open/closed monitoring to both access control system and intrusion alarm service.

**Set: 10.0**

Doors: C101, C104, [D147.2](#), T001.1, T002.1

3 Hinge, Full Mortise, Hvy Wt	T4A3386 (NRP and size as required)	US32D	MK 087100
1 Storeroom/Closet Lock	8204 E4NJ (LFIC Temp Core)	US32D	SA 087100
1 LFIC Core (KESO)	Large Format Interchangeable Core - Keyed as directed by Owner	US15	SA 087100
1 Surface Closer	351 CPS (HD Cush STP Arm)	EN	SA 087100
1 Kick Plate	K1050 10" high BEV CSK	US32D	RO 087100
1 Gasketing	303AS (Head & Jambs)		PE 087100
1 Rain Guard	346C x Width of Frame Head		PE 087100
1 Sweep	3452CNB x Length Required		PE 087100
1 Threshold	2009APK x Length Required x MSES25SS		PE 087100

**Set: 11.0**

Doors: C201, [NW-D113](#)

3 Hinge, Full Mortise, Hvy Wt	T4A3386 (NRP and size as required)	US32D	MK 087100
1 Office/Entry Lock	8205 E4NJ (LFIC Temp Core)	US32D	SA 087100
1 LFIC Core (Interior)	Large Format Interchangeable Core (Keyed as Directed by the Owner)	US15	SA 087100
1 Surface Closer	351 UO (RA or PA Mount as Required)	EN	SA 087100
1 Kick Plate	K1050 10" high BEV CSK	US32D	RO 087100
1 Gasketing	303AS (Head & Jambs)		PE 087100
1 Sweep	3452CNB x Length Required		PE 087100
1 9" Threshold	2549A MSES25SS-2 x Length Required		PE 087100

Notes: Provide Extended threshold to cover the width of the CMU Wall. Cope around HMF as needed.

**Set: 12.0**

Doors: C105, C106

3 Hinge, Full Mortise, Hvy Wt	T4A3386 (NRP and size as required)	US32D	MK 087100
1 Classroom Deadlock	4877 (LFIC Temp Core)	US32D	SA 087100
1 LFIC Core (KESO)	Large Format Interchangeable Core - Keyed as directed by Owner	US15	SA 087100
1 Push Plate	70C-RKW	US32D	RO 087100
1 Pull	RM3020-12 Mtg-Type 12XHD	US32-316	RO 087100
1 Surface Closer	351 UO (RA or PA Mount as Required)	EN	SA 087100
1 Kick Plate	K1050 10" high BEV CSK	US32D	RO 087100
1 Wall or Floor Stop (as Required)	403 (or) 441CU (As Required)	US26D	RO 087100
1 Gasketing	303AS (Head & Jambs)		PE 087100
1 Rain Guard	346C x Width of Frame Head		PE 087100
1 Sweep	3452CNB x Length Required		PE 087100
1 Threshold	2009APK x Length Required x MSES25SS		PE 087100

**Set: 13.0**

Doors: L101.2

1 Continuous Hinge	CFM_SLF-HD1 x Length Required		PE 087100
1 Wireless Access Control Mort Lock	Provided by Security Contractor	US26D/US32D	281500
1 LFIC Core (Interior)	Large Format Interchangeable Core (Keyed as Directed by the Owner)	US15	SA 087100
1 Surface Closer	351 PS (HD PA STP Arm)	EN	SA 087100
1 Drop Plate	351D (as required)	EN	SA 087100
1 Blade Stop Spacer Kit	581-1 or 2 (as required)	EN	SA 087100
1 Gasketing	Provided By Door/Frame Supplier		OT
1 Position Switch	DPS-MW-BK/GY/WH (as required)		SU 087100

Notes: Perimeter and meeting stile gasket by door / frame manufacturer.  
5" Minimum Stile width is required to accommodate the lock prep.

Operation:

- Door normally closed and secure.
- Access by valid credential presentation at card reader integrated on Lockset Escutcheon, unlocking lever trim to allow authorized entry and then relocking.

- Egress always free for immediate exit. Request-to-Exit sensor allows exit without alarm condition.
- Door position switch provides open/closed monitoring to both access control system and intrusion alarm service.
- Outside lever trim remains locked (fail secure) in event of power loss (Battery Powered). Key override cylinder for emergency access.

**Set: 14.0**

Doors: L101.1

1 Continuous Hinge	CFM_SLF-HD1 x Length Required		PE	087100
1 Wireless Access Control Mort Lock	Provided by Security Contractor	US26D/US32D		281500
1 LFIC Core (Interior)	Large Format Interchangeable Core (Keyed as Directed by the Owner)	US15	SA	087100
1 Surf Overhead Stop	10-X36 (Size as Required)	630	RF	087100
1 Surface Closer	351 UO (RA or PA Mount as Required)	EN	SA	087100
1 Drop Plate	351D (as required)	EN	SA	087100
1 Blade Stop Spacer Kit	581-1 or 2 (as required)	EN	SA	087100
1 Gasketing	Provided By Door/Frame Supplier		OT	
1 Position Switch	DPS-MW-BK/GY/WH (as required)		SU	087100

Notes: Perimeter and meeting stile gasket by door / frame manufacturer.  
5" Minimum Stile width is required to accommodate the lock prep.

Operation:

- Door normally closed and secure.
- Access by valid credential presentation at card reader integrated on Lockset Escutcheon, unlocking lever trim to allow authorized entry and then relocking.
- Egress always free for immediate exit. Request-to-Exit sensor allows exit without alarm condition.
- Door position switch provides open/closed monitoring to both access control system and intrusion alarm service.
- Outside lever trim remains locked (fail secure) in event of power loss (Battery Powered). Key override cylinder for emergency access.

**Set: 15.0**

Doors: L115.1, L115.2

2 Continuous Hinge	CFM_SLF-HD1 PT x Length Required		PE	087100
2 Electric Power Transfer	EL-CEPT	630	SU	087100
1 Narrow CVR Exit (STRM, RX, ELR, CD)	16 43 55 56 AD8406 ETNJ (Cyl. Dogging - LFIC Temp Core)	US32D	SA	087100

1	Narrow CVR Exit Device (EO, DMY TRM, RX, ELR, CD)	16 43 55 56 AD8410 ETNJ (Cyl. Dogging - LFIC Temp Core)	US32D	SA 087100
3	LFIC Core (Interior)	Large Format Interchangeable Core (Keyed as Directed by the Owner)	US15	SA 087100
2	Surface Closer	351 PSH (PA HD STP Arm w/HO)	EN	SA 087100
2	Drop Plate	351D (as required)	EN	SA 087100
2	Blade Stop Spacer Kit	581-1 or 2 (as required)	EN	SA 087100
1	Gasketing	Provided By Door/Frame Supplier		OT
1	Harness Adaptor	52-2946		SA
1	Card Reader	Provided by Security Supplier		
1	ElectroLynx Harness (Door)	QC-C**** x Length Required		MK 087100
1	ElectroLynx Harness (Frame)	QC-C3000P		MK 087100
1	Position Switch	DPS-MW-BK/GY/WH (as required)		SU 087100
1	Power Supply	AQD (Size and Options as required)		SU 087100
1	Wiring Diagram	Elevation and Point to Point as Specified		OT

Notes: Perimeter and meeting stile gasket by door / frame manufacturer.

Operation:

During Programed Hours:

- Exit Device Latches can be electronically held (Dogged) to allow Push Pull Operation.
- Manual entry or egress is always available by pushing exit device push bar or pulling door open.
- Door position switches at each leaf will signal the doors OPEN/CLOSED status to the access control panel.
- The exit devices are fail secure and will latch on activation of fire alarm or in the absence of power.

Normal Operation:

- Doors are normally closed and latched.
- Active leaf Exit Device has Nightlatch Function (Key will retract the exit device latch, door is latched when the key is removed).
- When an authorized card read is detected on the secured side of the door the access control system will momentarily retract the exit device latches to allow authorized entry.
- Manual egress is always available by pressing either exit device push bar of the pair. Request to exit switch in the exit device push bar will signal an authorized egress to that access control system.
- Door position switches at each leaf will signal the doors OPEN/CLOSED status to the access control panel.
- The exit devices are fail secure and will latch on activation of fire alarm or in the absence of power.

**Set: 16.0**

Doors: D001.2, E001.3, L001.3

2	Continuous Hinge	CFM_SLF-HD1 PT x Length Required		PE 087100
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2 Electric Power Transfer	EL-CEPT	630	SU 087100
1 Narrow CVR Exit Device w/Pull (NL, RX, ELR, CD)	16 43 55 56 AD8410 106 x 863 (Cyl. Dogging - LFIC Temp Core)	US32D	SA 087100
1 Narrow CVR Exit Device w/Pull (EO, RX, ELR, CD)	16 43 55 56 AD8410 863 (Cyl. Dogging)	US32D	SA 087100
3 LFIC Core (Interior)	Large Format Interchangeable Core (Keyed as Directed by the Owner)	US15	SA 087100
2 Surface Closer	351 CPS (HD Cush STP Arm)	EN	SA 087100
2 Drop Plate	351D (as required)	EN	SA 087100
2 Blade Stop Spacer Kit	581-1 or 2 (as required)	EN	SA 087100
2 Harness Adaptor	52-2946		SA
2 ElectroLynx Harness (Door)	QC-C**** x Length Required		MK 087100
2 ElectroLynx Harness (Frame)	QC-C3000P		MK 087100
2 Position Switch	DPS-MW-BK/GY/WH (as required)		SU 087100
1 Power Supply	AQD (Size and Options as required)		SU 087100
1 Wiring Diagram	Elevation and Point to Point as Specified		OT

Notes: Perimeter and meeting stile gasket by door / frame manufacturer.

Operation:

When Programmed:

- Exit Device Latches are electronically held (Dogged) to allow Push Pull Operation.
- Manual entry or egress is always available by pushing exit device push bar or pulling door open.
- Door position switches at each leaf will signal the doors OPEN/CLOSED status to the access control panel.
- The exit devices are fail secure and will latch on activation of fire alarm or in the absence of power.

Normal Operation:

- Doors are normally closed and latched. Active leaf has Night Latch Function, Key retracts latch, door is locked when key is removed)
- Manual egress is always available by pressing either exit device push bar of the pair. Request to exit switch in the exit device push bar will signal an authorized egress to that access control system.
- Door position switches at each leaf will signal the doors OPEN/CLOSED status to the access control panel.
- The exit devices are fail secure and will latch on activation of fire alarm or in the absence of power.

**Set: 17.0**

Doors: A001.2, E001.4, L001.4

2 Continuous Hinge	CFM_SLF-HD1 PT x Length Required		PE 087100
2 Electric Power Transfer	EL-CEPT	630	SU 087100

1	Narrow CVR Exit Device w/Pull (NL, RX, ELR, CD)	16 43 55 56 AD8410 106 x 863 (Cyl. Dogging - LFIC Temp Core)	US32D	SA 087100
1	Narrow CVR Exit Device w/Pull (EO, RX, ELR, CD)	16 43 55 56 AD8410 863 (Cyl. Dogging)	US32D	SA 087100
3	LFIC Core (KESO)	Large Format Interchangeable Core - Keyed as directed by Owner	US15	SA 087100
2	Automatic Opener	6311/6321 (as required)	689	NO 087113
1	Gasketing	Provided By Door/Frame Supplier		OT
2	Harness Adaptor	52-2946		SA
1	Card Reader	Provided by Security Supplier		
2	ElectroLynx Harness (Door)	QC-C**** x Length Required		MK 087100
2	ElectroLynx Harness (Frame)	QC-C3000P		MK 087100
2	Position Switch	DPS-MW-BK/GY/WH (as required)		SU 087100
2	Auto Operator Actuator Switch	505		NO 087100
1	Audio / Visual Intercom System	Audio / Visual Intercome Systemw/Remote Release Button - By Access Control		OT
1	Power Supply	AQD (Size and Options as required)		SU 087100
1	Wiring Diagram	Elevation and Point to Point as Specified		OT

Notes: Perimeter and meeting stile gasket by door / frame manufacturer.

Operation:

During Programed Hours:

- Exit Device Latches can be electronically held (Dogged) to allow Push Pull Operation.
- When the actuator button on either side of the opening is pressed the auto operators will open both doors of the pair.
- Manual entry or egress is always available by pushing exit device push bar or pulling door open.
- Door position switches at each leaf will signal the doors OPEN/CLOSED status to the access control panel.
- The exit devices are fail secure and will latch on activation of fire alarm or in the absence of power.

Normal Operation:

- Doors are normally closed and latched.
- Active leaf Exit Device has Nightlatch Function (Key will retract the exit device latch, door is latched when the key is removed).
- When an authorized card read is detected on the secured side of the door the access control system will momentarily retract the exit device latches and activate the auto operator actuator button on the secured side of the opening.
- When the actuator button on the secure is pressed (after the authorized card read) the auto operators will open the doors.
- Alternate access after audio or visual identification via the Audio / Visual Intercom System; pressing the remote release button after audio / visual verification will retract exit device latches and activate the auto operator actuator switch on the secure side of the opening while remote push button is depressed to allow

manual or assisted entry.

- Assisted Egress can be achieved at any time by pushing the actuator button on the unsecured side of the opening to retract the exit device latches and activating the auto operators to open both doors.
- Manual egress is always available by pressing either exit device push bar of the pair. Request to exit switch in the exit device push bar will signal an authorized egress to that access control system.
- The exit device is fail secure and will latch in the absence of power.
- Door position switches at each leaf will signal the doors OPEN/CLOSED status to the access control panel.

**Set: 18.0**

Doors: E103

1 Continuous Hinge	CFM_SLF-HD1 x Length Required		PE 087100
1 Mortise Lock	2190 1-1/8" BS 628 3-Low Profile Trim 01-Curve	US32D	AD 087100
1 Thumb Turn Cylinder	4066	130	AD 087100
1 LFIC Core (Interior)	Large Format Interchangeable Core (Keyed as Directed by the Owner)	US15	SA 087100
1 LFIC Mortise Cylinder Housing	Size and Cam as required	US32D	SA 087100
1 Surface Closer	351 H (RA HO Arm)	EN	SA 087100
1 Drop Plate	351D (as required)	EN	SA 087100
1 Blade Stop Spacer Kit	581-1 or 2 (as required)	EN	SA 087100
1 Wall or Floor Stop (as Required)	403 (or) 441CU (As Required)	US26D	RO 087100
1 Gasketing	Provided By Door/Frame Supplier		OT

**Set: 19.0**

Doors: L102

1 Continuous Hinge	CFM_SLF-HD1 x Length Required		PE 087100
1 Mortise Lock	2190 1-1/8" BS 628 3-Low Profile Trim 01-Curve	US32D	AD 087100
1 Thumb Turn Cylinder	4066	130	AD 087100
1 LFIC Core (Interior)	Large Format Interchangeable Core (Keyed as Directed by the Owner)	US15	SA 087100
1 LFIC Mortise Cylinder Housing	Size and Cam as required	US32D	SA 087100
1 Surface Closer	351 PSH (PA HD STP Arm w/HO)	EN	SA 087100
1 Drop Plate	351D (as required)	EN	SA 087100
1 Blade Stop Spacer Kit	581-1 or 2 (as required)	EN	SA 087100
1 Gasketing	Provided By Door/Frame Supplier		OT

**Set: 20.0**

Doors: D155.2, D161, E113

1 Continuous Hinge	CFM_SLF-HD1 x Length Required		PE 087100
1 Mortise Lock	2190 1-1/8" BS 628 3-Low Profile Trim 01-Curve	US32D	AD 087100
1 Thumb Turn Cylinder	4066	130	AD 087100
1 LFIC Core (Interior)	Large Format Interchangeable Core (Keyed as Directed by the Owner)	US15	SA 087100
1 LFIC Mortise Cylinder Housing	Size and Cam as required	US32D	SA 087100
1 Surf Overhead Hold Open	10-X26 (Size as Required)	630	RF 087100
1 Surface Closer	351 UO (RA or PA Mount as Required)	EN	SA 087100
1 Drop Plate	351D (as required)	EN	SA 087100
1 Blade Stop Spacer Kit	581-1 or 2 (as required)	EN	SA 087100
1 Gasketing	Provided By Door/Frame Supplier		OT

**Set: 21.0**

Doors: A117.2, B113.2, B114.3, F001.2, J101.1, J101.3, K001.2, L006.2, L008.2, NW-A003.2

2 Continuous Hinge	CFM_SLF-HD1 x Length Required		PE 087100
2 Narrow CVR Exit Device (CLRM, CD)	16 43 AD8413 ETNJ (Cyl. Dogging - LFIC Temp Core)	US32D	SA 087100
2 LFIC Core (Interior)	Large Format Interchangeable Core (Keyed as Directed by the Owner)	US15	SA 087100
2 Surface Closer	351 PSH (PA HD STP Arm w/HO)	EN	SA 087100
2 Drop Plate	351D (as required)	EN	SA 087100
2 Blade Stop Spacer Kit	581-1 or 2 (as required)	EN	SA 087100
1 Gasketing	Provided By Door/Frame Supplier		OT

Notes: Perimeter and meeting stile gasket by door / frame manufacturer.

**Set: 22.0**

Doors: B114.2

1 Continuous Hinge	CFM_SLF-HD1 x Length Required		PE 087100
1 Narrow Rim Exit Device (CLRM, CD)	16 43 8513 ETNJ (Cyl. Dogging - LFIC Temp Core)	US32D	SA 087100
1 LFIC Core (Interior)	Large Format Interchangeable Core (Keyed as Directed by the Owner)	US15	SA 087100
1 Surface Closer	351 PSH (PA HD STP Arm w/HO)	EN	SA 087100
1 Drop Plate	351D (as required)	EN	SA 087100
1 Blade Stop Spacer Kit	581-1 or 2 (as required)	EN	SA 087100

1 Gasketing Provided By Door/Frame Supplier OT

**Set: 23.0**

Doors: G003.2

2 Continuous Hinge	CFM_SLF-HD1 x Length Required		PE 087100
2 Push Bar & Pull	BF15847 HD Back-to-Back Mount	US32D-316	RO 087100
2 Surface Closer	351 PSH (PA HD STP Arm w/HO)	EN	SA 087100
2 Drop Plate	351D (as required)	EN	SA 087100
2 Blade Stop Spacer Kit	581-1 or 2 (as required)	EN	SA 087100
2 Wall or Floor Stop (as Required)	403 (or) 441CU (As Required)	US26D	RO 087100
1 Gasketing	Provided By Door/Frame Supplier		OT

Notes: Perimeter Weatherstrip and astragals by the Aluminum Door Manufacturer.

**Set: 24.0**

Doors: L004.2, L005.2

6 Hinge, Full Mortise, Hvy Wt	T4A3786 (NRP and size as required)	US26D	MK 087100
1 SVR Exit Device (CLRM, LBR, CD)	16 NB8713 ETNJ (Cyl. Dogging)	US32D	SA 087100
1 Surface Vert Rod Exit (EO, LBR, CD)	16 NB8710 EO (Cyl. Dogging)	US32D	SA 087100
3 LFIC Core (Interior)	Large Format Interchangeable Core (Keyed as Directed by the Owner)	US15	SA 087100
2 Surface Closer	351 PSH (PA HD STP Arm w/HO)	EN	SA 087100
2 Kick Plate	K1050 10" high BEV CSK	US32D	RO 087100
2 Wall or Floor Stop (as Required)	403 (or) 441CU (As Required)	US26D	RO 087100
2 Silencer	608		RO 087100

**Set: 25.0**

Doors: A119, J101.4, J101.5

6 Hinge, Full Mortise	TA2714 (NRP and size as required)	US26D	MK 087100
1 Fire Rated SVR Exit Device (CLRM, LBR)	12 NB8713 ETNJ	US32D	SA 087100
1 Fire Rated SVR Exit Device (EO, LBR)	12 NB8710	US32D	SA 087100
1 LFIC Core (Interior)	Large Format Interchangeable Core (Keyed as Directed by the Owner)	US15	SA 087100

2 Conc Overhead Stop	6-X36	630	RF 087100
2 Surface Closer (Multi-Point Electronic HO)	80 2900 Series	EN	SA 087100
2 Kick Plate	K1050 10" high BEV CSK	US32D	RO 087100
1 Adhesive Astragal	S771C x Door Height		PE 087100
1 Adhesive Perimeter Gasketing	S88BL (Head & Jambs)		PE 087100

## Notes: Operation:

Doors can be held open by electronic closer/holders and will be released to close upon activation of fire alarm.

Power to electronic closer/holders and relay to fire alarm by others.

**Set: 26.0**

Doors: A022.2, A023.2, NW-A001.2

6 Hinge, Full Mortise, Hvy Wt	T4A3786 (NRP and size as required)	US26D	MK 087100
1 Removable Mullion	L980S / L980A (As Required) x Length Required	PC	SA 087100
2 Rim Exit Device, Passage	12 8815 ETNJ	US32D	SA 087100
1 LFIC Core (Interior)	Large Format Interchangeable Core (Keyed as Directed by the Owner)	US15	SA 087100
1 Removable Mullion Cylinder w/Kit	980C1 (LFIC)	US26D	SA 087100
2 Surface Closer	351 UO (RA or PA Mount as Required)	EN	SA 087100
2 Kick Plate	K1050 10" high BEV CSK	US32D	RO 087100
2 Wall or Floor Stop (as Required)	403 (or) 441CU (As Required)	US26D	RO 087100
1 Mullion Gasketing	5110BL x Mullion Height		PE 087100
2 Silencer	608		RO 087100

**Set: 27.0**

Doors: D003.1

3 Hinge, Full Mortise, Hvy Wt	T4A3786 (NRP and size as required)	US26D	MK 087100
1 Rim Exit Device (PASS)	8815 ETNJ	US32D	SA 087100
1 Surface Closer	351 UO (RA or PA Mount as Required)	EN	SA 087100
1 Kick Plate	K1050 10" high BEV CSK	US32D	RO 087100
1 Wall or Floor Stop (as Required)	403 (or) 441CU (As Required)	US26D	RO 087100
3 Silencer	608		RO 087100

**Set: 28.0**

Doors: D003.2

3 Hinge, Full Mortise, Hvy Wt	T4A3786 (NRP and size as required)	US26D	MK 087100
1 Rim Exit Device, Passage	12 8815 ETNJ	US32D	SA 087100
1 Surface Closer	351 CPS (HD Cush STP Arm)	EN	SA 087100
1 Kick Plate	K1050 10" high CSK BEV	US32D	RO 087100
1 Adhesive Perimeter Gasketing	S88BL (Head & Jambs)		PE 087100

**Set: 29.0**

Doors: F124

6 Hinge, Full Mortise	TA2714 (NRP and size as required)	US26D	MK 087100
1 Self Latching Flush Bolt Set	2845 / 2945 (as required)	US26D	RO 087100
1 Dust Proof Strike	570	US26D	RO 087100
1 Wireless Access Control Mort Lock	Provided by Security Contractor	US26D/US32D	281500
1 LFIC Core (Interior)	Large Format Interchangeable Core (Keyed as Directed by the Owner)	US15	SA 087100
1 Coordinator	2600 Series x Mounting Brackets As Required	Black	RO 087100
2 Conc Overhead Stop	6-X36	630	RF 087100
2 Surface Closer (Multi-Point Electronic HO)	80 2900 Series	EN	SA 087100
2 Kick Plate	K1050 10" high BEV CSK	US32D	RO 087100
1 Adhesive Astragal	S771C x Door Height		PE 087100
1 Adhesive Perimeter Gasketing	S88BL (Head & Jambs)		PE 087100

Notes: Operation:

- Door normally closed and secure.
- Access by valid credential presentation at card reader integrated on Lockset Escutcheon, unlocking lever trim to allow authorized entry and then relocking.
- Egress always free for immediate exit. Request-to-Exit sensor allows exit without alarm condition.
- Door position switch provides open/closed monitoring to both access control system and intrusion alarm service.
- Outside lever trim remains locked (fail secure) in event of power loss (Battery Powered). Key override cylinder for emergency access.
- Doors can be held open by electro hold open closer and will be released to close upon activation of fire alarm.

Power and fire alarm relays to electro hold open closer by others.

**Set: 30.0**

Doors: E101.2, E112.1, NW-A101.2

6 Hinge, Full Mortise	TA2714 (NRP and size as required)	US26D	MK 087100
1 Self Latching Flush Bolt Set	2845 / 2945 (as required)	US26D	RO 087100
1 Dust Proof Strike	570	US26D	RO 087100
1 Wireless Access Control Mort Lock	Provided by Security Contractor	US26D/US32D	281500
1 LFIC Core (Interior)	Large Format Interchangeable Core (Keyed as Directed by the Owner)	US15	SA 087100
1 Coordinator	2600 Series x Mounting Brackets As Required	Black	RO 087100
2 Surface Closer	351 CPS (HD Cush STP Arm)	EN	SA 087100
2 Kick Plate	K1050 10" high BEV CSK	US32D	RO 087100
1 Adhesive Astragal	S771C x Door Height		PE 087100
1 Adhesive Perimeter Gasketing	S88BL (Head & Jambs)		PE 087100
2 Position Switch	DPS-MW-BK/GY/WH (as required)		SU 087100

Notes: Operation:

- Doors are normally closed and secure.
- Access by valid credential presentation at card reader integrated on Lockset Escutcheon on the active leaf, unlocking lever trim to allow authorized entry and then relocking.
- Egress always free for immediate exit at the active leaf. Request-to-Exit sensor allows exit without alarm condition.
- Door position switches provides open/closed monitoring to both access control system and intrusion alarm service.
- Outside lever trim remains locked (fail secure) in event of power loss (Battery Powered). Key override cylinder for emergency access.

**Set: 31.0**

Doors: A104, A116a, D158, E104, E105, E106, E114.1, E115, E118, E120, E121, F126, F207, H104a.1, J102.1, K101.1, L101.3, L103, L104.1, L105, L107, L109.2, L110.2, L113, L114, L115e, L123, L128, NW-A101.3

3 Hinge, Full Mortise	TA2714 (NRP and size as required)	US26D	MK 087100
1 Wireless Access Control Mort Lock	Provided by Security Contractor	US26D/US32D	281500
1 LFIC Core (Interior)	Large Format Interchangeable Core (Keyed as Directed by the Owner)	US15	SA 087100
1 Surface Closer	351 H (RA HO Arm)	EN	SA 087100
1 Kick Plate	K1050 10" high BEV CSK	US32D	RO 087100
1 Wall or Floor Stop (as Required)	403 (or) 441CU (As Required)	US26D	RO 087100

3 Silencer	608	RO 087100
1 Position Switch	DPS-MW-BK/GY/WH (as required)	SU 087100

Notes: Operation:

- Door normally closed and secure.
- Access by valid credential presentation at card reader integrated on Lockset Escutcheon, unlocking lever trim to allow authorized entry and then relocking.
- Egress always free for immediate exit. Request-to-Exit sensor allows exit without alarm condition.
- Door position switch provides open/closed monitoring to both access control system and intrusion alarm service.
- Outside lever trim remains locked (fail secure) in event of power loss (Battery Powered). Key override cylinder for emergency access.

**Set: 32.0**

Doors: A201, A202, A203, A206, A208

1 Continuous Hinge	CFM_SLF-HD1 x Length Required	PE 087100
1 Wireless Access Control Mort Lock	Provided by Security Contractor	US26D/US32D 281500
1 LFIC Core (Interior)	Large Format Interchangeable Core (Keyed as Directed by the Owner)	US15 SA 087100
1 Surface Closer	351 PSH (PA HD STP Arm w/HO)	EN SA 087100
1 Kick Plate	K1050 10" high BEV CSK	US32D RO 087100
1 Gasketing	Provided By Door/Frame Supplier	OT

Notes: Operation:

- Door normally closed and secure.
- Access by valid credential presentation at card reader integrated on Lockset Escutcheon, unlocking lever trim to allow authorized entry and then relocking.
- Egress always free for immediate exit. Request-to-Exit sensor allows exit without alarm condition.
- Door position switch provides open/closed monitoring to both access control system and intrusion alarm service.
- Outside lever trim remains locked (fail secure) in event of power loss (Battery Powered). Key override cylinder for emergency access.

**Set: 33.0**

Doors: J101b.1, L203, L204, L205, L206, L223, L224

3 Hinge, Full Mortise	TA2714 (NRP and size as required)	US26D MK 087100
1 Wireless Access Control Mort Lock	Provided by Security Contractor	US26D/US32D 281500
1 LFIC Core (Interior)	Large Format Interchangeable Core (Keyed as Directed by the Owner)	US15 SA 087100

1 Surface Closer	351 PSH (PA HD STP Arm w/HO)	EN	SA 087100
1 Kick Plate	K1050 10" high BEV CSK	US32D	RO 087100
1 Wall or Floor Stop (as Required)	403 (or) 441CU (As Required)	US26D	RO 087100
3 Silencer	608		RO 087100

Notes: Operation:

- Door normally closed and secure.
- Access by valid credential presentation at card reader integrated on Lockset Escutcheon, unlocking lever trim to allow authorized entry and then relocking.
- Egress always free for immediate exit. Request-to-Exit sensor allows exit without alarm condition.
- Door position switch provides open/closed monitoring to both access control system and intrusion alarm service.
- Outside lever trim remains locked (fail secure) in event of power loss (Battery Powered). Key override cylinder for emergency access.

**Set: 34.0**

Doors: A101, L007

3 Hinge, Full Mortise, Hvy Wt	T4A3786 (NRP and size as required)	US26D	MK 087100
1 Wireless Access Control Mort Lock	Provided by Security Contractor	US26D/US32D	281500
1 LFIC Core (Interior)	Large Format Interchangeable Core (Keyed as Directed by the Owner)	US15	SA 087100
1 Surface Closer	351 PS (HD PA STP Arm)	EN	SA 087100
1 Kick Plate	K1050 10" high BEV CSK	US32D	RO 087100
3 Silencer	608		RO 087100
1 Position Switch	DPS-MW-BK/GY/WH (as required)		SU 087100

Notes: Operation:

- Door normally closed and secure.
- Access by valid credential presentation at card reader integrated on Lockset Escutcheon, unlocking lever trim to allow authorized entry and then relocking.
- Egress always free for immediate exit. Request-to-Exit sensor allows exit without alarm condition.
- Door position switch provides open/closed monitoring to both access control system and intrusion alarm service.
- Outside lever trim remains locked (fail secure) in event of power loss (Battery Powered). Key override cylinder for emergency access.

**Set: 35.0**

Doors: A107.1, D151

3 Hinge, Full Mortise	TA2714 (NRP and size as required)	US26D	MK 087100
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1	Wireless Access Control Mort Lock	Provided by Security Contractor	US26D/US32D	281500
1	LFIC Core (Interior)	Large Format Interchangeable Core (Keyed as Directed by the Owner)	US15	SA 087100
1	Surf Overhead Hold Open	10-X26 (Size as Required)	630	RF 087100
1	Surface Closer	351 UO (RA or PA Mount as Required)	EN	SA 087100
1	Kick Plate	K1050 10" high BEV CSK	US32D	RO 087100
1	Wall or Floor Stop (as Required)	403 (or) 441CU (As Required)	US26D	RO 087100
3	Silencer	608		RO 087100
1	Position Switch	DPS-MW-BK/GY/WH (as required)		SU 087100

Notes: Operation:

- Door normally closed and secure.
- Access by valid credential presentation at card reader integrated on Lockset Escutcheon, unlocking lever trim to allow authorized entry and then relocking.
- Egress always free for immediate exit. Request-to-Exit sensor allows exit without alarm condition.
- Door position switch provides open/closed monitoring to both access control system and intrusion alarm service.
- Outside lever trim remains locked (fail secure) in event of power loss (Battery Powered). Key override cylinder for emergency access.

**Set: 36.0**

Doors: A117.1, E108, F136, F137, H105.1

3	Hinge, Full Mortise	TA2714 (NRP and size as required)	US26D	MK 087100
1	Wireless Access Control Mort Lock	Provided by Security Contractor	US26D/US32D	281500
1	LFIC Core (Interior)	Large Format Interchangeable Core (Keyed as Directed by the Owner)	US15	SA 087100
1	Surface Closer (Multi-Point Electronic HO)	80 2900 Series	EN	SA 087100
1	Kick Plate	K1050 10" high BEV CSK	US32D	RO 087100
1	Wall or Floor Stop (as Required)	403 (or) 441CU (As Required)	US26D	RO 087100
1	Adhesive Perimeter Gasketing	S88BL (Head & Jambs)		PE 087100

Notes: Operation:

- Door normally closed and secure.
- Access by valid credential presentation at card reader integrated on Lockset Escutcheon, unlocking lever trim to allow authorized entry and then relocking.
- Egress always free for immediate exit. Request-to-Exit sensor allows exit without alarm condition.
- Door position switch provides open/closed monitoring to both access control system and intrusion alarm service.

- Outside lever trim remains locked (fail secure) in event of power loss (Battery Powered). Key override cylinder for emergency access.
- Doors can be held open by electro hold open closer and will be released to close upon activation of fire alarm.  
Power and fire alarm relays to electro hold open closer by others.

**Set: 36.1**

Doors: NW-A002

3 Hinge, Full Mortise	TA2714 (NRP and size as required)	US26D	MK 087100
1 Wireless Access Control Mort Lock	Provided by Security Contractor	US26D/US32D	281500
1 LFIC Core (Interior)	Large Format Interchangeable Core (Keyed as Directed by the Owner)	US15	SA 087100
1 Surface Closer	351 PS (HD PA STP Arm)	EN	SA 087100
1 Kick Plate	K1050 10" high BEV CSK	US32D	RO 087100
1 Wall or Floor Stop (as Required)	403 (or) 441CU (As Required)	US26D	RO 087100
1 Adhesive Perimeter Gasketing	S88BL (Head & Jambs)		PE 087100

Notes: Operation:

- Door normally closed and secure.
- Access by valid credential presentation at card reader integrated on Lockset Escutcheon, unlocking lever trim to allow authorized entry and then relocking.
- Egress always free for immediate exit. Request-to-Exit sensor allows exit without alarm condition.
- Door position switch provides open/closed monitoring to both access control system and intrusion alarm service.
- Outside lever trim remains locked (fail secure) in event of power loss (Battery Powered). Key override cylinder for emergency access.

**Set: 37.0**

Doors: A116.1, A117, E005.2, E119.1, L122.1, L122.2

3 Hinge, Full Mortise	TA2714 (NRP and size as required)	US26D	MK 087100
1 Wireless Access Control Mort Lock	Provided by Security Contractor	US26D/US32D	281500
1 LFIC Core (Interior)	Large Format Interchangeable Core (Keyed as Directed by the Owner)	US15	SA 087100
1 Surface Closer (Multi-Point Electronic HO)	80 2900 Series	EN	SA 087100
1 Kick Plate	K1050 10" high BEV CSK	US32D	RO 087100
1 Adhesive Perimeter Gasketing	S88BL (Head & Jambs)		PE 087100
1 Position Switch	DPS-MW-BK/GY/WH (as required)		SU 087100

Notes: Operation:

- Door normally closed and secure.
- Access by valid credential presentation at card reader integrated on Lockset Escutcheon, unlocking lever trim to allow authorized entry and then relocking.
- Egress always free for immediate exit. Request-to-Exit sensor allows exit without alarm condition.
- Door position switch provides open/closed monitoring to both access control system and intrusion alarm service.
- Outside lever trim remains locked (fail secure) in event of power loss (Battery Powered). Key override cylinder for emergency access.
- Doors can be held open by electro hold open closer and will be released to close upon activation of fire alarm.  
Power and fire alarm relays to electro hold open closer by others.

**Set: 38.0**

Doors: [D156.2](#), [E101.1](#), [E112.2](#)

3 Hinge, Full Mortise, Hvy Wt	T4A3786 (NRP and size as required)	US26D	MK 087100
1 Electric Power Transfer	EL-CEPT	630	SU 087100
1 Wireless Access Control Mort Lock	Provided by Security Contractor	US26D/US32D	281500
1 LFIC Core (Interior)	Large Format Interchangeable Core (Keyed as Directed by the Owner)	US15	SA 087100
1 Surf Overhead Stop	10-X36 (Size as Required)	630	RF 087100
1 Surface Closer	351 UO (RA or PA Mount as Required)	EN	SA 087100
1 Kick Plate	K1050 10" high CSK BEV	US32D	RO 087100
1 Adhesive Perimeter Gasketing	S88BL (Head & Jambs)		PE 087100
1 ElectroLynx Harness	QC-C**** x Length Required		MK 087100
1 ElectroLynx Harness (Frame)	QC-C3000P		MK 087100
1 Power Supply	AQD (Size and Options as required)		SU 087100
1 Wiring Diagram	Elevation and Point to Point as Specified		OT

Notes:

System Operational Narrative:

- Door normally closed and secure.
- Access by valid credential presentation unlocking lever trim for a pre-determined time limit and then relocking.
- Egress always free for immediate exit. Request-to-Exit sensor allows exit without alarm condition.
- Door position switch provides open/closed monitoring to both access control system and intrusion alarm service.
- Outside lever trim remains locked (fail secure) in event of power loss. Key override cylinder for

emergency access.

**Set: 39.0**

Doors: [B113.1](#), [B114.1](#), NW-A107.1

3 Hinge, Full Mortise	<a href="#">TA2714 (NRP and size as required)</a>	US26D	MK 087100
1 Wireless Access Control Mort Lock	<a href="#">Provided by Security Contractor</a>	US26D/US32D	281500
1 LFIC Core (Interior)	<a href="#">Large Format Interchangeable Core (Keyed as Directed by the Owner)</a>	US15	SA 087100
1 Conc Overhead Stop	<a href="#">6-X36</a>	630	RF 087100
1 Surface Closer (Multi-Point Electronic HO)	<a href="#">80 2900 Series</a>	EN	SA 087100
1 Kick Plate	<a href="#">K1050 10" high BEV CSK</a>	US32D	RO 087100
1 Adhesive Perimeter Gasketing	<a href="#">S88BL (Head &amp; Jambs)</a>		PE 087100
1 Position Switch	<a href="#">DPS-MW-BK/GY/WH (as required)</a>		SU 087100

Notes: Operation:

- Door normally closed and secure.
- Access by valid credential presentation at card reader integrated on Lockset Escutcheon, unlocking lever trim to allow authorized entry and then relocking.
- Egress always free for immediate exit. Request-to-Exit sensor allows exit without alarm condition.
- Door position switch provides open/closed monitoring to both access control system and intrusion alarm service.
- Outside lever trim remains locked (fail secure) in event of power loss (Battery Powered). Key override cylinder for emergency access.
- Doors can be held open by electro hold open closer and will be released to close upon activation of fire alarm.

Power and fire alarm relays to electro hold open closer by others.

**Set: 40.0**

Doors: [A116b](#), B116a, J101d

8 Hinge, Full Mortise	<a href="#">TA2714 (NRP and size as required)</a>	US26D	MK 087100
1 Self Latching Flush Bolt Set	<a href="#">2845 / 2945 (as required)</a>	US26D	RO 087100
1 Dust Proof Strike	<a href="#">570</a>	US26D	RO 087100
1 Storeroom/Closet Lock	<a href="#">8204 E4NJ (LFIC Temp Core)</a>	US32D	SA 087100
1 LFIC Core (Interior)	<a href="#">Large Format Interchangeable Core (Keyed as Directed by the Owner)</a>	US15	SA 087100
2 Surface Closer	<a href="#">351 PSH (PA HD STP Arm w/HO)</a>	EN	SA 087100
2 Kick Plate	<a href="#">K1050 10" high BEV CSK</a>	US32D	RO 087100

2 Silencer 608 RO 087100

**Set: 41.0**

Doors: F124a

6 Hinge, Full Mortise	TA2714 (NRP and size as required)	US26D	MK 087100
1 Self Latching Flush Bolt Set	2845 / 2945 (as required)	US26D	RO 087100
1 Dust Proof Strike	570	US26D	RO 087100
1 Storeroom/Closet Lock	8204 E4NJ (LFIC Temp Core)	US32D	SA 087100
1 LFIC Core (Interior)	Large Format Interchangeable Core (Keyed as Directed by the Owner)	US15	SA 087100
1 Coordinator	2600 Series x Mounting Brackets As Required	Black	RO 087100
2 Surface Closer	351 PSH (PA HD STP Arm w/HO)	EN	SA 087100
2 Kick Plate	K1050 10" high BEV CSK	US32D	RO 087100
2 Silencer	608		RO 087100

**Set: 42.0**

Doors: E102, F141a, H104b, H105a, L108, L111, L112, L112a, NW-A109, NW-A111a, NW-A111b,  
NW-D106, NW-D128

3 Hinge, Full Mortise	TA2714 (NRP and size as required)	US26D	MK 087100
1 Storeroom/Closet Lock	8204 E4NJ (LFIC Temp Core)	US32D	SA 087100
1 LFIC Core (Interior)	Large Format Interchangeable Core (Keyed as Directed by the Owner)	US15	SA 087100
1 Surface Closer	351 H (RA HO Arm)	EN	SA 087100
1 Kick Plate	K1050 10" high BEV CSK	US32D	RO 087100
1 Wall or Floor Stop (as Required)	403 (or) 441CU (As Required)	US26D	RO 087100
3 Silencer	608		RO 087100

**Set: 43.0**

Doors: H101

3 Hinge, Full Mortise	TA2714 (NRP and size as required)	US26D	MK 087100
1 Storeroom/Closet Lock	8204 E4NJ (LFIC Temp Core)	US32D	SA 087100
1 LFIC Core (Interior)	Large Format Interchangeable Core (Keyed as Directed by the Owner)	US15	SA 087100
1 Surface Closer	351 PSH (PA HD STP Arm w/HO)	EN	SA 087100
1 Kick Plate	K1050 10" high BEV CSK	US32D	RO 087100
3 Silencer	608		RO 087100

**Set: 44.0**

Doors: A021a, A031a, A117a, A119a, C103, D158a, L123a, L209

3 Hinge, Full Mortise	TA2714 (NRP and size as required)	US26D	MK 087100
1 Storeroom/Closet Lock	8204 E4NJ (LFIC Temp Core)	US32D	SA 087100
1 LFIC Core (Interior)	Large Format Interchangeable Core (Keyed as Directed by the Owner)	US15	SA 087100
1 Surface Closer	351 PSH (PA HD STP Arm w/HO)	EN	SA 087100
1 Kick Plate	K1050 10" high CSK BEV	US32D	RO 087100
1 Wall or Floor Stop (as Required)	403 (or) 441CU (As Required)	US26D	RO 087100
3 Silencer	608		RO 087100

**Set: 45.0**

Doors: D159.1, L115b, NW-D101, NW-D129

3 Hinge, Full Mortise	TA2714 (NRP and size as required)	US26D	MK 087100
1 Storeroom/Closet Lock	8204 E4NJ (LFIC Temp Core)	US32D	SA 087100
1 LFIC Core (Interior)	Large Format Interchangeable Core (Keyed as Directed by the Owner)	US15	SA 087100
1 Surf Overhead Hold Open	10-X26 (Size as Required)	630	RF 087100
1 Surface Closer	351 UO (RA or PA Mount as Required)	EN	SA 087100
1 Kick Plate	K1050 10" high BEV CSK	US32D	RO 087100
3 Silencer	608		RO 087100

**Set: 46.0**

Doors: J101e

3 Hinge, Full Mortise	TA2714 (NRP and size as required)	US26D	MK 087100
1 Storeroom/Closet Lock	8204 E4NJ (LFIC Temp Core)	US32D	SA 087100
1 LFIC Core (Interior)	Large Format Interchangeable Core (Keyed as Directed by the Owner)	US15	SA 087100
1 Surface Closer (Multi-Point Electronic HO)	80 2900 Series	EN	SA 087100
1 Kick Plate	K1050 10" high CSK BEV	US32D	RO 087100
1 Wall or Floor Stop (as Required)	403 (or) 441CU (As Required)	US26D	RO 087100
1 Adhesive Perimeter Gasketing	S88BL (Head & Jambs)		PE 087100

Notes: Operation:

- Doors can be held open by electro hold open closer and will be released to close upon activation of fire alarm.

Power and fire alarm relays to electro hold open closer by others.

**Set: 47.0**

Doors: B111

1 Hinge, Full Mortise	TA2714 (NRP and size as required)	US26D	MK 087100
1 Storeroom/Closet Lock	8204 E4NJ (LFIC Temp Core)	US32D	SA 087100
1 LFIC Core (Interior)	Large Format Interchangeable Core (Keyed as Directed by the Owner)	US15	SA 087100
1 Conc Overhead Stop	6-X36	630	RF 087100
1 Surface Closer (Multi-Point Electronic HO)	80 2900 Series	EN	SA 087100
1 Kick Plate	K1050 10" high BEV CSK	US32D	RO 087100
1 Adhesive Perimeter Gasketing	S88BL (Head & Jambs)		PE 087100

Notes: Operation:

Door can be held open by electronic closer/holder and will be released to close upon activation of fire alarm.

Power to electronic closer/holders and relay to fire alarm by others.

**Set: 48.0**

Doors: A103.2, A107.2, A108, A109, D155a, E005.1, E114.2, H104.2, H105.2, L109.1, L110.1, L122a, NW-A102, NW-A103, NW-A104, NW-A104.1, NW-A105, NW-A106, NW-A106b, NW-A107.2, NW-A108

3 Hinge, Full Mortise	TA2714 (NRP and size as required)	US26D	MK 087100
1 Office/Entry Lock	8205 E4NJ (LFIC Temp Core)	US32D	SA 087100
1 LFIC Core (Interior)	Large Format Interchangeable Core (Keyed as Directed by the Owner)	US15	SA 087100
1 Surface Closer	351 H (RA HO Arm)	EN	SA 087100
1 Kick Plate	K1050 10" high CSK BEV	US32D	RO 087100
1 Wall or Floor Stop (as Required)	403 (or) 441CU (As Required)	US26D	RO 087100
1 Silencer	608		RO 087100

**Set: 49.0**

Doors: D155.4

3 Hinge, Full Mortise	TA2714 (NRP and size as required)	US26D	MK 087100
1 Office/Entry Lock	8205 E4NJ (LFIC Temp Core)	US32D	SA 087100
1 LFIC Core (Interior)	Large Format Interchangeable Core (Keyed as Directed by the Owner)	US15	SA 087100

1 Surface Closer	351 PSH (PA HD STP Arm w/HO)	EN	SA 087100
1 Kick Plate	K1050 10" high BEV CSK	US32D	RO 087100
3 Silencer	608		RO 087100

**Set: 50.0**

Doors: A101, D155.3, L104.2

3 Hinge, Full Mortise	TA2714 (NRP and size as required)	US26D	MK 087100
1 Office/Entry Lock	8205 E4NJ (LFIC Temp Core)	US32D	SA 087100
1 LFIC Core (Interior)	Large Format Interchangeable Core (Keyed as Directed by the Owner)	US15	SA 087100
1 Surf Overhead Hold Open	10-X26 (Size as Required)	630	RF 087100
1 Surface Closer	351 UO (RA or PA Mount as Required)	EN	SA 087100
1 Kick Plate	K1050 10" high BEV CSK	US32D	RO 087100
3 Silencer	608		RO 087100

**Set: 51.0**

Doors: [D156.1](#), [NW-A101.1](#)

3 Hinge, Full Mortise	TA2714 (NRP and size as required)	US26D	MK 087100
1 Office/Entry Lock	8205 E4NJ (LFIC Temp Core)	US32D	SA 087100
1 LFIC Core (Interior)	Large Format Interchangeable Core (Keyed as Directed by the Owner)	US15	SA 087100
1 Conc Overhead Stop	6-X36	630	RF 087100
1 Surface Closer (Multi-Point Electronic HO)	80 2900 Series	EN	SA 087100
1 Kick Plate	K1050 10" high BEV CSK	US32D	RO 087100
1 Adhesive Perimeter Gasketing	S88BL (Head & Jambs)		PE 087100

Notes: Operation:

Door can be held open by electronic closer/holder and will be released to close upon activation of fire alarm.

Power to electronic closer/holders and relay to fire alarm by others.

**Set: 52.0**

Doors: [E123.2](#)

6 Hinge, Full Mortise	TA2714 (NRP and size as required)	US26D	MK 087100
1 Self Latching Flush Bolt Set	2845 / 2945 (as required)	US26D	RO 087100
1 Dust Proof Strike	570	US26D	RO 087100

1 Classroom Lock	8237 E4NJ (LFIC Temp Core)	US32D	SA 087100
1 LFIC Core (Interior)	Large Format Interchangeable Core (Keyed as Directed by the Owner)	US15	SA 087100
1 Coordinator	2600 Series x Mounting Brackets As Required	Black	RO 087100
2 Surface Closer	351 PSH (PA HD STP Arm w/HO)	EN	SA 087100
2 Kick Plate	K1050 10" high BEV CSK	US32D	RO 087100
2 Silencer	608		RO 087100

**Set: 53.0**

Doors: [D155.1](#)

3 Hinge, Full Mortise	TA2714 (NRP and size as required)	US26D	MK 087100
1 Classroom Lock	8237 E4NJ (LFIC Temp Core)	US32D	SA 087100
1 LFIC Core (Interior)	Large Format Interchangeable Core (Keyed as Directed by the Owner)	US15	SA 087100
1 Conc Overhead Stop	6-X36	630	RF 087100
1 Surface Closer (Multi-Point Electronic HO)	80 2900 Series	EN	SA 087100
1 Kick Plate	K1050 10" high BEV CSK	US32D	RO 087100
1 Adhesive Perimeter Gasketing	S88BL (Head & Jambs)		PE 087100

Notes: Operation:

Door can be held open by electronic closer/holder and will be released to close upon activation of fire alarm.

Power to electronic closer/holders and relay to fire alarm by others.

**Set: 54.0**

Doors: E107, E119.2, H105.3, NW-D102

3 Hinge, Full Mortise	TA2714 (NRP and size as required)	US26D	MK 087100
1 Classroom Security Lock	V21 8241 E4NJ (LFIC Temp Cores - OCC IND)	US32D	SA 087100
1 LFIC Core (Interior)	Large Format Interchangeable Core (Keyed as Directed by the Owner)	US15	SA 087100
1 Surface Closer	351 PSH (PA HD STP Arm w/HO)	EN	SA 087100
1 Kick Plate	K1050 10" high BEV CSK	US32D	RO 087100
1 Wall or Floor Stop (as Required)	403 (or) 441CU (As Required)	US26D	RO 087100
1 Silencer	608		RO 087100

**Set: 55.0**

Doors: A118, B109, B110, [B115b](#), D160, F135, H103

3 Hinge, Full Mortise	<a href="#">TA2714 (NRP and size as required)</a>	US26D	MK 087100
1 Classroom Security Lock	<a href="#">V21 8241 E4NJ (LFIC Temp Cores - OCC IND)</a>	US32D	SA 087100
2 LFIC Core (Interior)	<a href="#">Large Format Interchangeable Core (Keyed as Directed by the Owner)</a>	US15	SA 087100
1 Surface Closer (Multi-Point Electronic HO)	<a href="#">80 2900 Series</a>	EN	SA 087100
1 Kick Plate	<a href="#">K1050 10" high BEV CSK</a>	US32D	RO 087100
1 Wall or Floor Stop (as Required)	<a href="#">403 (or) 441CU (As Required)</a>	US26D	RO 087100
1 Adhesive Perimeter Gasketing	<a href="#">S88BL (Head &amp; Jambs)</a>		PE 087100

Notes: Operation:

Door can be held open by electronic closer/holder and will be released to close upon activation of fire alarm.

Power to electronic closer/holders and relay to fire alarm by others.

**Set: 56.0**

Doors: E116, F141b, L105a, NW-A105a, NW-A106a

3 Hinge, Full Mortise	<a href="#">TA2714 (NRP and size as required)</a>	US26D	MK 087100
1 Privacy Lock	<a href="#">V21 8265 E4NJ</a>	US32D	SA 087100
1 Kick Plate	<a href="#">K1050 10" high CSK BEV</a>	US32D	RO 087100
1 Wall or Floor Stop (as Required)	<a href="#">403 (or) 441CU (As Required)</a>	US26D	RO 087100
1 Silencer	<a href="#">608</a>		RO 087100
1 Coat Hook	<a href="#">RM801</a>	US26D	RO 087100

**Set: 57.0**Doors: [A129b](#), [A130b](#), D149, D157, D160a, D160b, E109, E117, L126, L127, L208, NW-A110

3 Hinge, Full Mortise	<a href="#">TA2714 (NRP and size as required)</a>	US26D	MK 087100
1 Dormitory/Exit Lock	<a href="#">V21 8225 E4NJ (LFIC Temp Core - OCC IND)</a>	US32D	SA 087100
1 Surface Closer	<a href="#">351 H (RA HO Arm)</a>	EN	SA 087100
1 Kick Plate	<a href="#">K1050 10" high BEV CSK</a>	US32D	RO 087100
1 Wall or Floor Stop (as Required)	<a href="#">403 (or) 441CU (As Required)</a>	US26D	RO 087100
3 Silencer	<a href="#">608</a>		RO 087100

**Set: 58.0**Doors: A108a, [A129a.1](#), [A129a.2](#), [A130a.1](#), [A130a.2](#), L106, L207, NW-A002a, NW-D107, NW-D108

3 Hinge, Full Mortise	TA2714 (NRP and size as required)	US26D	MK 087100
1 Dormitory/Exit Lock	V21 8225 E4NJ (LFIC Temp Core - OCC IND)	US32D	SA 087100
1 LFIC Core (Interior)	Large Format Interchangeable Core (Keyed as Directed by the Owner)	US15	SA 087100
1 Surface Closer	351 PSH (PA HD STP Arm w/HO)	EN	SA 087100
1 Kick Plate	K1050 10" high CSK BEV	US32D	RO 087100
1 Silencer	608		RO 087100

**Set: 59.0**

Doors: F140, H102

3 Hinge, Full Mortise	TA2714 (NRP and size as required)	US26D	MK 087100
1 Dormitory/Exit Lock	V21 8225 E4NJ (LFIC Temp Core - OCC IND)	US32D	SA 087100
1 LFIC Core (Interior)	Large Format Interchangeable Core (Keyed as Directed by the Owner)	US15	SA 087100
1 Conc Overhead Stop	6-X36	630	RF 087100
1 Surface Closer (Multi-Point Electronic HO)	80 2900 Series	EN	SA 087100
1 Kick Plate	K1050 10" high BEV CSK	US32D	RO 087100
1 Adhesive Perimeter Gasketing	S88BL (Head & Jambs)		PE 087100

Notes: Operation:

Door can be held open by electronic closer/holder and will be released to close upon activation of fire alarm.

Power to electronic closer/holders and relay to fire alarm by others.

**Set: 60.0**

Doors: L106f

3 Hinge, Full Mortise	TA2714 (NRP and size as required)	US26D	MK 087100
1 Passage Latch	8215 E4NJ	US32D	SA 087100
1 Surf Overhead Stop	10-X36 (Size as Required)	630	RF 087100
3 Silencer	608		RO 087100

**Set: 61.0**

Doors: E122a, L115c, L115d

3 Hinge, Full Mortise	TA2714 (NRP and size as required)	US26D	MK 087100
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1 Passage Latch	8215 E4NJ	US32D	SA 087100
1 Surface Closer	351 H (RA HO Arm)	EN	SA 087100
1 Kick Plate	K1050 10" high CSK BEV	US32D	RO 087100
1 Wall or Floor Stop (as Required)	403 (or) 441CU (As Required)	US26D	RO 087100
3 Silencer	608		RO 087100

**Set: 62.0**

Doors: E123a

3 Hinge, Full Mortise	TA2714 (NRP and size as required)	US26D	MK 087100
1 Passage Latch	8215 E4NJ	US32D	SA 087100
1 Surface Closer	351 PSH (PA HD STP Arm w/HO)	EN	SA 087100
1 Kick Plate	K1050 10" high BEV CSK	US32D	RO 087100
1 Wall or Floor Stop (as Required)	403 (or) 441CU (As Required)	US26D	RO 087100
3 Silencer	608		RO 087100

**Set: 63.0**

Doors: L115a

1 Continuous Hinge	CFM_SLF-HD1 x Length Required		PE 087100
1 Passage Latch	8215 E4NJ	US32D	SA 087100
1 Surface Closer	351 PSH (PA HD STP Arm w/HO)	EN	SA 087100
1 Kick Plate	K1050 10" high BEV CSK	US32D	RO 087100
1 Wall or Floor Stop (as Required)	403 (or) 441CU (As Required)	US26D	RO 087100
1 Gasketing	Provided By Door/Frame Supplier		OT

**Set: 64.0**

Doors: F138, F139

3 Hinge, Full Mortise	TA2714 (NRP and size as required)	US26D	MK 087100
1 Passage Latch	8215 E4NJ	US32D	SA 087100
1 Surface Closer	351 UO (RA or PA Mount as Required)	EN	SA 087100
1 Kick Plate	K1050 10" high CSK BEV	US32D	RO 087100
1 Wall or Floor Stop (as Required)	403 (or) 441CU (As Required)	US26D	RO 087100
1 Adhesive Perimeter Gasketing	S88BL (Head & Jambs)		PE 087100

**Set: 65.0**

Doors: A120, F208, F209, L124, L125, L201, L202

3 Hinge, Full Mortise, Hvy Wt	T4A3786 (NRP and size as required)	US26D	MK 087100
1 Push Plate	70C-RKW	US32D	RO 087100
1 Pull	RM3020-12 Mtg-Type 12XHD	US32-316	RO 087100
1 Surface Closer	351 UO (RA or PA Mount as Required)	EN	SA 087100
1 Kick Plate	K1050 10" high CSK BEV	US32D	RO 087100
1 Wall or Floor Stop (as Required)	403 (or) 441CU (As Required)	US26D	RO 087100
1 Silencer	608		RO 087100

**Set: 66.0**

Doors: A116.3, A116.4, B116.2, C101A, C101B, H104a.2, J101.2, J101b.2, J102.2, J102.3, J102.4

1 LFIC Core (KESO)	Large Format Interchangeable Core - Keyed as directed by Owner	US15	SA 087100
1 LFIC Cylinder	type as required	US32D	SA 087100
1	All Hardware Provided By Door Supplier		

**Set: 67.0**

Doors: MISC

1 Repair Kit	QC-R001		MK 087100
1 Crimp Tool	QC-R003		MK 087100
1 Test Unit	WT2		SA 087100
1 Wireless Access Control Hub	By Security Contractor (To Link Wireless Locks to AC System)		SA 087100
1 Wireless Access Control Antenna	By Security Contractor (To Link Wireless Locks to AC System)		SA 087100

END OF SECTION 080671

SECTION 107316 - TRANSLUCENT CANOPY SYSTEMS

PART 1 - GENERAL

1.1 RELATED DOCUMENTS:

- A. The General Conditions of the Contract, including Supplementary Conditions and Division 01 - General Requirements, apply to the work of this Section.

1.2 WORK INCLUDED:

- A. Pre-engineered monolithic translucent canopy system.
- B. All anchors, brackets, and hardware attachments necessary to complete specified structural assembly, weatherability, and water-tightness performance requirements.

1.3 RELATED WORK SPECIFIED ELSEWHERE:

- A. Division 05 Section for Structural Steel Framing.

1.4 QUALITY ASSURANCE

A. Manufacturer's Qualifications:

1. Continuously engaged in pre-engineered monolithic translucent canopy manufacturing with a minimum of 10 years successful experience.
2. Must be able to demonstrate five established and complete monolithic translucent canopy systems projects of similar size and scope over the past 5 years without defects or failure.
3. Responsible for all components, including structural design.
4. Glass Skylight and Greenhouse manufactures using translucent panels as alternate infill panels in place of glass are not acceptable.

B. Installer's Qualifications:

1. Authorized by manufacturer to install translucent glazing products.
2. Trained by manufacturer's standard training methods and policies.

1.5 SUBMITTALS:

- A. Submit Product data, Shop Drawings and color samples in accordance with Section 013300 Submittal Procedures.
- B. Product Data: Submit manufacturer's product data, including materials, components, fabrication, finish, and installation instructions.

- C. Shop Drawings: Submit manufacturer's shop drawings, including plans, elevations, sections, and details, indicating dimensions, tolerances, profiles, anchorage, connections, fasteners, hardware, provisions for expansion and contraction, drainage, aluminum flashing, finish, and attachments to supports of glazing, framing, and options.
- D. Samples: Submit manufacturer's samples for each glazing type, framing system, finish, and color specified.
- E. Manufacturer's Certification: Submit manufacturer's certification that materials comply with specified requirements and are suitable for intended application.
- F. Manufacturers Project References: Submit list of completed projects including project name and location, name of architect, and type of daylighting manufactured.
- G. Warranty: Submit manufacturer's standard warranty.
- H. Testing Reports: Submit manufacturer's test reports.
  - 1. Fire test.

#### 1.6 DELIVERY, STORAGE, AND HANDLING

- A. Delivery:
  - 1. Deliver materials to site in manufacturer's original, unopened containers and packaging, with labels clearly identifying product name, manufacturer, and location of installation.
- B. Storage:
  - 1. Store materials in a clean, dry area indoors in accordance with manufacturer's instructions.
  - 2. Keep temporary protective liners in place.
  - 3. Do not expose panels to direct sunlight for extended periods.

#### 1.7 WARRANTY:

- A. Provide a single source canopy system manufacturer warranty for glazing panels and framing system. Third party guarantee for glazing panels will not be acceptable.
- B. Provide manufacturer's 10 year warranty including:
  - 1. Change in light transmission of no more than 6% per ASTM D-1003.
  - 2. No delamination of panel affecting appearance, performance or structural integrity of panel or system.
  - 3. Thermal aging - light transmission and color shall not change after exposure to heat of 300°F for 25 minutes, when measured per ASTM D-1003 and ASTM D-2244 respectively.

## PART 2 - PRODUCTS

## 2.1 MANUFACTURERS

- A. Basis-of Design Product: Subject to compliance with requirements, provide Series 3900 Sleekline - monolithic Translucent Canopy System manufactured by Duo-Gard industries, Inc. 40442 Koppernick Road, Canton, Michigan 48187. Phone (734) 207-9700. Website: www.duo-gard.com, or equal approved by Architect prior to bidding.

## 2.2 GLAZING

- A. Product: Series 3900 Base and low profile pressure cap system.
  - 1. Monolithic polycarbonate sheet
    - a. Basis-of Design: Fusion panels by Duo-Gard
    - b. Glass fiber reinforced thermoset resin (fiberglass) faces are not acceptable.
    - c. Acrylic sheets are not acceptable
  - 2. Glazing specified herein is to be provided by canopy system manufactures listed in 2.1 A. Canopy glazing and system components shall be supplied by a single source.
- B. Panel Thickness: 1/4" (nominal)
- C. Profile: Flat uniform extruded solid sheet monolithic profile polycarbonate panels.
  - 1. other glazing panels including standing seam and corrugated profiles are not acceptable.
- D. Color: As selected by Architect from manufacturer's full range (to closely match school corporation orange color)
- E. Fire tests:
  - 1. Ignition Temperature, ASTM D 1929.
  - 2. Rate of Burning, ASTM D 635.

## 2.3 STRUCTURAL FRAMING SYSTEM

- A. Framing system: Series 3900 BPC system with low profile pressure cap.
  - 1. Alloy 6005-T5.
- B. Maximum deflection: 1/120
- C. Mullion spacing required at 2'-0" o.c.

- D. Recommended minimum slope:
  - 1. 1/4" - 1:12
- E. Direct contact between polycarbonate system components is not acceptable including but not limited to polycarbonate battens.
- F. Framing system must allow monolithic polycarbonate sheet to 'float' in the channel to accommodate expansion and contraction.

## 2.4 MATERIALS

- A. Glazing Panel:
  - 1. Panel: Monolithic polycarbonate sheet: Fusion by Duo-Gard.
  - 2. UV Stabilization: Coextruded into panel, not coated.
  - 3. Appearance: Uniform in color
  - 4. Expansion and Contraction: Design and install components with provisions based on temperature variation for specified geographic location.
  - 5. Gaskets and Dry Seals: TPV (Santoprene).
  - 6. Produced: USA certificate of origin required. Panels produced outside of USA will not be allowed.
- B. Joint Sealant:
  - 1. Factory-Applied Sealant: Gunnable, nonhardening, elastomeric sealant. ASTM C 920, Type S, Class 12, Grade NS. Fed Spec TT-S-1657, Type 1.n.
  - 2. Field-Applied Sealant: Approved by translucent daylighting manufacturer. As specified elsewhere in specifications.
- C. Field Fasteners:
  - 1. Comply with translucent daylighting manufacturer's instructions for fastener types, quantities, and usage.
  - 2. Stainless Steel. Prevent oxidation or electrolytic interaction with framing.

## 2.5 COLOR AND FINISH

- A. Panel Color:
  - 1. As selected by Architect from manufacturer's full 92 color range (to closely match school corporation orange color)
- B. Panel Finish:
  - 1. Manufacturer's standard: As selected by Architect from manufacturer's full range.
- C. Aluminum Finish:

1. Clear Anodized.

### PART 3 - EXECUTION

#### 3.1 EXAMINATION

- A. All submitted opening sizes, dimensions, and tolerances shall be field-verified by Contractor, unless otherwise stipulated.
- B. Installer shall examine area of installation to verify readiness of Site conditions. Notify Contractor about defects requiring correction. Do not work until conditions are satisfactory.

#### 3.2 PREPARATION

- A. Ensure supports to receive translucent daylighting are clean, flat, level, plumb, square, accurately aligned, and correctly located.

#### 3.3 INSTALLATION

- A. Install components in strict accordance with manufacturer's instructions and approved Shop Drawings. Use proper fasteners and hardware for material attachments as specified.
- B. Install daylighting level, plumb, square, accurately aligned, correctly located, and without warp.
- C. Anchor daylighting securely in place to supports. Use attachment methods permitting adjustment for construction tolerances, irregularities, alignment, and expansion and contraction.
- D. Install daylighting including aluminum flashing, fasteners, hardware, gaskets, joint sealants, and glazing materials required for a complete, weathertight installation.
- E. Use methods of attachment to structure allowing sufficient adjustment to accommodate tolerances.
- F. Remove all protective coverings on panels immediately after installation.
- G. Repair minor damages to metal finish or glazing in accordance with manufacturer's instructions and as approved by Architect. Remove and replace damaged components that cannot be successfully repaired as determined by Architect.

#### 3.4 CLEANING

- A. Follow manufacturer's instructions when washing exposed panel surfaces using a solution of mild detergent in warm water that is applied with soft, clean, wiping cloths.

- B. Follow panel manufacturer's guidelines when removing foreign substances from panel surfaces requiring mineral spirits or solvents that are acceptable for use.
- C. Installer shall leave panel system clean at completion of installation, following manufacturer's cleaning instructions.

END OF SECTION

SECTION 275224.99 - CAFETORIUM SOUND SYSTEM

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY OF WORK

- A. Work of this Section includes a complete, satisfactorily installed operating Cafeteria sound system which meets requirement as herein indicated. The new system shall consist of the following:
  - 1. Rack.
  - 2. Amplifiers.
  - 3. Speakers.
  - 4. Processing electronics and associated materials.
  - 5. Hardware and all related wiring and accessories.
- B. The Contractor shall be responsible for furnishings integrated equipment, accessories, and necessary materials for a complete distributive loudspeaker sound system as shown on the Drawings and described herein.
- C. Related Sections include the following:
  - 1. Division 09 Section "Acoustical Panel Ceilings" for ceilings consisting of mineral-base and glass-fiber-base acoustical panels and exposed suspension systems.
  - 2. Division 27 Section "Voice and Data Systems" for voice and data systems and accessories.
  - 3. Division 27 Section "School Intercom and Program Systems" for intercom materials, equipment, and accessories.

1.3 WORK AND WORKMANSHIP

- A. An electro-acoustics systems subcontractor is required and shall be provided by a qualified company specializing in electro-acoustics implementation. Qualifications shall include not less than five years experience in the local market satisfactorily supplying systems for Theaters, Auditoriums, and Gymnasiums and similar types of applications.
- B. Provisions for qualified experience with a local service branch within 50 miles of the Project site and technicians trained by the specified manufacturers herein, precision and calibrated test equipment with qualified technicians that are certified for such, and the proven ability for acoustical integration with computerized acoustical modeling shall be required to complete this Scope.

- C. The systems integrator provides specified material, all systems installation, final testing, performance balancing, equalization, test hardware, and shall provide a full warranty for its Work as herein indicated.

#### 1.4 ACTION SUBMITTALS

##### A. Product Data, Wiring Diagrams:

- 1. Product Data: Provide catalog cuts of all products in book for review.
- 2. Wiring Diagrams: Provide 1/8 inches=1 feet-0 inches drawings stipulating all devices and wiring for review.

#### 1.5 WARRANTY

- A. Contractor shall warrant all equipment for a period of one year from date of Substantial Completion against defective materials, design, and workmanship. Trouble calls during warranty period shall be made within 24 hours of notice by Owner.
- B. Any modifications or equipment added to any existing system shall not void or alter any existing warranty held by the Owner.

#### 1.6 TRAINING

- A. Provide the services of a factory-authorized service representative to demonstrate the system and train Owner's maintenance personnel as specified below.
  - 1. Train Owner's maintenance personnel in the procedures and schedules involved in operating, troubleshooting, servicing, and preventative maintenance of the system. Provide a minimum of two hours training.
  - 2. Schedule training with the Owner at least seven days in advance.

### PART 2 - PRODUCTS

#### 2.1 MANUFACTURERS

- A. Sound Reinforcement System: Subject to compliance with the requirements provide products by one of the following:
  - 1. Atlas Sound
  - 2. JBL
  - 3. BiAmp
  - 4. Peavey
  - 5. Crown Audio
  - 6. QSC
  - 7. Tascam

8. Denon
9. Proco
10. Belden
11. West Penn Wire

- B. Basis of Design: The specified products herein are based on the manufacturers listed above. Systems from any pre-approved manufacturer may be provided. The Engineer however, reserves the right to determine equivalent components and operation to those specified.
- C. The intent of this specification is to establish a standard of quality, function and features. It is the responsibility of the bidder to insure that all pre-approved products meets or exceeds every standard set forth in these specifications. Any prior approval of an alternate product does not exempt the supplier-contractor from meeting the intent of these specifications. Failure to comply with the operational and functional intent of these specifications may result in the total removal and replacement of the alternate system at the expense of the contractor.

## 2.2 GENERAL

- A. Provide complete and fully functional sound reinforcement system using materials and equipment of types, sizes, ratings and performances as indicated. Use materials and equipment that comply with the referenced standards and manufacturer's standard design and construction in accordance with the published product information. Coordinate with features of materials and equipment so they form a complete system with components and interconnections matched for optimum performance of specified functions.

## 2.3 EQUIPMENT AND MATERIALS

- A. Mixer / DSP: The mixer/DSP indicated on the drawings shall provide functions as scheduled below:
1. Twelve (12) input channel capacity. Input type and level shall be software selectable for each channel.
  2. Four (4) output channel capacity.
  3. The software programming shall include but not be limited to standard, matrix and automatic mixing, automatic feedback suppression, parametric and graphic equalizers, compressor/limiter, output gain controls and preset recall. The unit shall be programmed for no less than three (3) presets. Presets to include:
    - a. Preset 1 - all loudspeakers on, all inputs live
    - b. Preset 2 - all loudspeakers on, designated inputs only are live
    - c. Preset 3 - loudspeakers over stage only on, all inputs live
    - d. Preset 4 - loudspeaker over floor only on, all inputs live
    - e. Preset 5 - loudspeakers off, all inputs muted
  4. Unit shall include provisions for an external volume control and/or preset selector panel.
  5. Reference Product(s): The mixer / DSP shall be a BiAmp AudiaSolo with 12 inputs and 4 outputs. Peavey X-Frame 88 with an eight channel breakout box and an A/A-8P eight-channel microphone preamplifier shall be considered equal.

**B. Mixer / DSP Remote Panel:** Provide functions as listed below:

1. RS485 connection to the mixer/DSP.
2. Eight-channel preset selector switch and an eight-channel volume control with LED indication on preset number and volume level on a two-gang plate.
3. Volume control channels shall be as follows:
  - a. Channel 1 – Overall system volume
  - b. Channel 2 – Microphone input number 1 gain
  - c. Channel 3 – Microphone input number 2 gain
  - d. Channel 4 – Microphone input number 3 gain
  - e. Channel 5 – Microphone input number 4 gain
  - f. Channel 6 – CD
  - g. Channel 7 – MP3
  - h. Channel 8 – Spare
4. **Reference Product(s):** The mixer / DSP remote panel shall be a BiAmp Volume/Select 8. If the Peavey X-Frame is used, two (2) Peavey X-Control 4x4 remote panels shall be considered equal.

**C. Amplifier:** Provide functions as listed below:

1. Two (2) channel, 300 watts per channel at 70 volts output.
2. Frequency response shall be +/- .25db at one watt from 20Hz to 20,000Hz.
3. Total harmonic distortion at full rated power from 20Hz to 20,000Hz shall be <1%.
4. **Reference Product(s):** The amplifier shall be a Crown . QSC CX602V shall be considered equal.

**D. Ceiling Loudspeakers:** The loudspeaker shall consist of an 8" coaxial loudspeaker, 32-watt transformer and Q style enclosure with a 2'x2' baffle. The frequency response shall be 75 Hz to 15 kHz. The pressure sensitivity shall be 93-dB peak at 1 meter on axis with 1 watt of pink noise. The loudspeaker system shall be designed to replace a 2'x2' ceiling tile. The loudspeaker assembly shall be an Atlas Sound model IS289Q. Lowell model LT28A-TM32-Vb shall be considered equal. (Provide quantity shown on the drawings).**E. MEDIA Player:**

1. Provide DENON DN-300Z or approved equal.

**F. Equipment Rack:** Provide functions as listed below:

1. Wall mounted with 18" deep center section. Provide enough racking height to allow for all necessary equipment plus 10% empty rack space. All unused rack spaces shall be filled by blank panels. Provide a perforated front door to allow ventilation. Install blank or vent panels as required in any used rack spaces.
2. Unit shall include:
  - a. One 120VAC switch power strip with surge suppression
  - b. One dual fan rack panel

3. **Reference Product(s): Lowell L253 series equipment rack with Lowell L184-TVSS power strip, Lowell L2150-\*\*PF front door, Lowell LWF-195-2 Fan Panel and Lowell L2 series blanks or L5 series vent panels. Middle Atlantic DWR-\*\*-22 series rack with PD-615C power strip, VDF series front door, QFP-2 fan panel and SB series blanks shall be considered equal.**
- G. Microphone/Auxiliary Input Wall Plate: Microphone/Auxiliary input plates indicated on the drawings shall provide functions as scheduled below:**
1. **Shall be brushed stainless steel.**
  2. **Shall include one (1) Neutrik NC3FDL-1 XLR connector and one (1) Neutrik NJ3FP-6C three conductor 1/4" connector.**
  3. **Reference Product(s): Proco WP1055 or equal by Whirlwind.**
- H. Wireless Microphone System: The wireless microphone system shall consist of a receiver, handheld transmitter with vocal microphone element, rack mount kit with front mount antenna kit and a body pack transmitter with unidirectional lapel microphone. The system shall be programmable in 25KHz steps across a 28MHz bandwidth. The system shall utilize 1,112 possible frequencies to find a clear channel.**
1. **The system shall be an Electro Voice model RE2-N7 receiver and handheld transmitter/microphone with model BPU-2 body pack transmitter and model ULM21 unidirectional lapel microphone. Shure model UC2/BETA87A receiver and handheld transmitter/microphone with model UC1 body pack transmitter and model WL185 cardioid lavalier microphone shall be considered equal. (Provide two systems).**
- I. Provide two (2) floor stands. The microphone floor stands shall be an Atlas Sound MS20E or AKG KM261/1 Black.**
- J. Wiring And Cable:**
1. **Microphone/Auxiliary Cable: Provide plenum rated, one twisted shielded pair, 20 AWG shielded cable. Provide West Penn Wire 25292B. Belden 6400FE shall be considered equal. Install two cables from each wall plate to the equipment rack,**
  2. **Loudspeaker Cable: Provide plenum rated, one twisted pair, 18 AWG cable. Provide West Penn Wire 25224B. Belden 6300UE shall be considered equal.**

## **PART 3 - EXECUTION**

### **3.1 GENERAL**

- A. The loudspeaker cabinets shall be an integral unit constructed of adequate structural members to support all components. Approved submittal drawings detailing acoustical modeling and mechanical mountings shall be followed explicitly. Provide all static loads per speaker, with unistrut and aircraft cable mountings as required with safety factors of 5 or more with rated hardware shown on approved submittal drawings.**

**3.2 WIRING INSTALLATION**

- A. Above Accessible Ceilings: Install wiring above accessible ceilings exposed with no conduit.**
- B. Existing Walls: Install new devices and wiring on existing walls in surface raceway.**
- C. Exposed Areas (with no ceilings): Install wiring in conduit.**

**3.3 SOUND SYSTEM TESTING**

- A. Measure and record the audio distribution of the reinforcement speakers throughout the entire seating area. This measurement shall be made using pink noise as the source and measured in the 4 KHz octave band of the sound level meter. If the audio distribution varies by more than  $\pm 3\text{dB}$ , Contractor shall correct same by reaiming of HF horns and/or power tap off adjustment of the transformer, until correct and without claim for additional compensation.**
- B. Measure multi-frequency impedance loads of each loudspeaker zone at 250, 1,000, and 4,000 Hz.**
- C. Measure reverberation time of the room before installation, reporting to Architect/Engineer via transmittal, the recorded times at 250 Hz, 500 Hz, 1,000 Hz, and 2,000 Hz. Also measure the HVAC and lighting background noise and convert to standard NC curves at frequencies of interest. Measure in three locations.**
- D. Adjust and record all settings for unity gain operation of system before and after equalizers are set. Dot with permanent marking on front panel of processors. Adjust such that no overloads occur before the input overload indicator to the amplifier. Adjust amplifier settings for calibrated and marked balance between speaker groups.**
- E. Note all settings and posts on Record Drawings with date of setting.**
- F. Measure and record in Record Drawings, final electro-acoustical and electronic gain through entire system starting at inputs through to amp terminals.**
- G. Set compressors for initial 2:1 ratios, talk test each mic in presence of the Owner, making minor adjustments, as required, for protection and performance of the systems.**

**3.4 DEMONSTRATION**

- A. Provide the services of a factory-authorized service representative to demonstrate the system and train Owner's maintenance personnel as specified below.**

- 1. Train Owner's maintenance personnel in the procedures and schedules involved in operating, troubleshooting, servicing, and preventative maintenance of the system. This training shall be recorded and a copy of the training shall be on CD/DVD. Provide a minimum of two hours training. Training sign-in sheet and CD/DVD shall be a part of the O&M documents.**
- 2. Schedule training with the Owner at least seven days in advance.**

END OF SECTION

# NORTHWESTERN SCHOOL CORPORATION

## MULTIPLE PROJECTS

2022-086.TGR  
3431 N 400 W  
Kokomo, IN 46901

VOLUME 2 - NORTHWESTERN MIDDLE SCHOOL, NORTHWESTERN HIGH SCHOOL



**NORTHWESTERN**  
SCHOOL CORPORATION

08.29.2023

2022-086.TGR



### General Notes

Nothing set forth in these Drawings shall release any Contractor from responsibility to provide appropriate quantities, field measurements, dimensional stability, installation, anchorage and coordination with other trades, or waive the Contractor's responsibility to identify and resolve deviations from the requirements of the Contract Documents, or waive the Contractor's responsibility to alert the Architect to errors or omissions contained therein.

Each Contractor shall verify in the field all existing applicable conditions and dimensions shown on the Drawings and as pertinent to the intent of these Drawings. Any discrepancy discovered shall be brought to the attention of the Architect prior to the commencement of any Work affected by, or related to, such discrepancy.

Each Contractor shall be responsible for all costs associated with, or caused by failure to comply with requirement.

Each Contractor shall review in advance all portions of the Work to verify that the Work will not prohibit completion of the Project as intended in these Contract Documents. Any questions shall be promptly referred to the Architect for resolution.

Each Contractor shall refer to the Project Manual for cleaning and disposal requirements.

Each Contractor shall be responsible for the protection of all surfaces and finishes at interior and exterior of building. Damaged surfaces and finishes resulting from the performance of the Work shall be repaired at no cost to the Owner by the responsible Contractor to match existing to the satisfaction of the Owner.

Each Contractor shall coordinate respective cutting and patching Work with the other Prime Contractors.

Each Contractor shall become completely familiar with all aspects of the Work, even those areas designated to be provided by others. This familiarization includes full and complete understanding of the Work described on all Sheets of the Drawings and in all Sections of the Project Manual. Failure by the Contractor to become completely familiar and cognizant of all aspects of the Work shall not relieve the Contractor of the responsibility to provide materials, assemblies, or services indicated in the Contract Documents.

### Vicinity Map



### Thoroughfare Map



SHEET INDEX	
Number	Sheet Name
1-General	
2-G-000	COVER SHEET
2-G-101	FIRST FLOOR FIRE AND LIFE SAFETY PLAN
2-G-102	SECOND FLOOR FIRE AND LIFE SAFETY PLAN
2-Site	
2-1-1	SITE SURVEY
2-2-001	SITE GENERAL NOTES AND ABBREVIATIONS
2-2-101	OVERALL SITE PLAN
2-2-102	DEMOLITION PLAN
2-2-103	DEMOLITION PLAN
2-2-104	SITE LAYOUT PLAN
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2-2-400	SITE LAYOUT PLAN

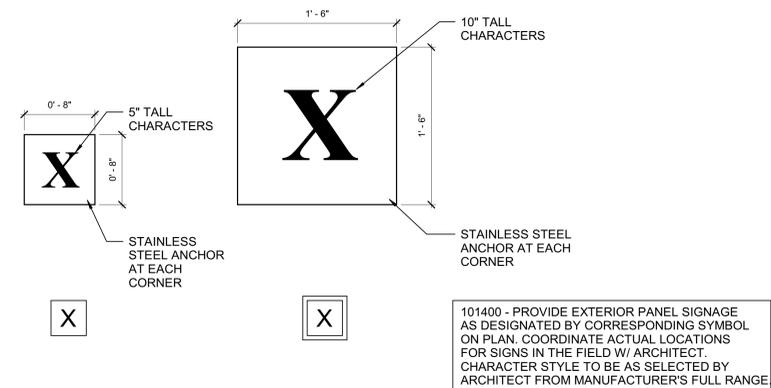
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2-AD-311	DEMOLITION WALL SECTIONS
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2-2F129	FIRST FLOOR PLAN - UNIT AA
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2-2F146	FIRST FLOOR PLAN - UNIT AR
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2-2F158	FIRST FLOOR PLAN - UNIT BD
2-2F159	FIRST FLOOR PLAN - UNIT BE
2-2F160	FIRST FLOOR PLAN - UNIT BF
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2-2F169	FIRST FLOOR PLAN - UNIT BO
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2-2F176	FIRST FLOOR PLAN - UNIT BV
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2-2F181	FIRST FLOOR PLAN - UNIT CA
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2-2F188	FIRST FLOOR PLAN - UNIT CH
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2-2F206	FIRST FLOOR PLAN - UNIT CZ
2-2F207	FIRST FLOOR

CODE SUMMARY	
APPLICABLE CODE:	2014 Indiana Building Code (IBC) 2014 Indiana Mechanical Code (IMC) ICC/ANSI A-117.1 Standard, 2009 Edition General Administrative Rules (GAR)
EXISTING BUILDING DESCRIPTION:	The 2-story building includes the high school, middle school, and an elementary school, with a total combined area of 351,583 sq. ft.
SCOPE OF WORK:	The project scope includes the following: - 2-story addition to the middle school, 10,052 sq ft on the 1st floor, and 7,026 sq ft on the 2nd floor. - An in-fill addition to the high school within an existing courtyard of 2,060 sq ft. - Renovation of the elementary school - select areas including rest rooms and administrative area. - Renovation of the existing middle school and high school - select areas including rest rooms and science rooms.
APPLICABILITY OF CODES TO THE PROJECT:	Alterations and additions are permitted to an existing building without requiring the entire existing building or portions of the existing building unaffected by the proposed scope of renovation to be brought into compliance with current codes. The scope of construction within the alteration and addition are required to comply with current codes. [Rule 4, Section 12(b), GAR] Additions and existing building areas are required to comply with current code in the aggregate for allowable area. [Rule 4, Section 12(f), GAR]
VARIANCE REQUESTS:	-To permit a 2-hour fire barrier with sprinkler-protected openings at the cafeteria to separate the middle school classroom wing from the rest of the building in lieu of a fire wall. -To permit the high school in-fill addition to be unseparated from the existing building.
OCCUPANCY CLASSIFICATIONS:	Educational use and assembly areas associated with the E Occupancy. - E Occupancy [305.1] Assembly uses accessory to Group E are not considered separate occupancies [303.1.3] Office - accessory occupancy less than 10% of the building area - B Occupancy [304.1, 308.2]
CONSTRUCTION TYPE:	Type IIB Construction permitted for the middle school addition based upon allowable area. Type IIB Construction proposed for high school in-fill addition based upon variance request. The existing building is Type IIB Construction.
ALLOWABLE AREA FOR MIDDLE SCHOOL CLASSROOM BUILDING:	Tabular Area: 14,500 sf Table 503 Sprinkler Increase: 28,000 sf 508.3 Frontage Increase: + 7,250 sf 508.2 Allowable Area per floor: 59,750 sf Actual Area per floor: 27,100 sf - 1st floor 23,660 sf - 2nd floor
BUILDING ELEMENTS - FIRE RESISTIVE REQUIREMENTS:	Building elements, including structural frame and roof are permitted to be of noncombustible, unprotected construction. [Table 601] Exterior walls of the addition are permitted to be nonrated, noncombustible, since having at least 10 feet of fire separation distance. [Table 602]
FLOOR OPENINGS AND PENETRATIONS:	Egress stairs connecting only 2 floors in the middle school are permitted to be unprotected. [1009.3, sec. 1] Ducts are permitted to connect 2 floor levels where floors are nonrated without shaft protection, where the annular space is filled with a noncombustible material. [717.6.3] Floor penetrations of a nonrated floor assembly are permitted to be nonrated, where the annular space is filled with a noncombustible material. [714.4.2.1]
INCIDENTAL USE SEPARATION:	-Walls for middle school science rooms (sprinklered) are required to terminate at the deck, with self-closing doors - fire and/or smoke dampers are not required in duct penetrations of these separations. -Walls for high school science rooms (non-sprinklered) are required to be separated with 1-hour fire barriers and 45-minute rated doors [Table 508, Sec. 508.4.2]
EGRESS TRAVEL DISTANCE:	The maximum travel distance to an exterior exit is permitted to be a maximum of 250 feet in the sprinklered middle school classroom wing. [1016.2] Existing egress travel distance will remain as-is.
EGRESS CORRIDORS:	Egress corridors throughout the middle school classroom wing will be nonrated based upon automatic sprinkler protection. New wall and door construction in corridors elsewhere will be fire-rated as required [1018.1] Existing corridor construction will remain as-is per the applicable code(s) of record for the area involved.
PANIC HARDWARE:	Panic hardware is required on all new means of egress doors serving an occupant load of 50 or more. [1008.1.10]
AUTOMATIC SPRINKLERS:	Automatic sprinklers are required for the middle school addition and un-separated building areas, based upon an E Occupancy fire area exceeding 12,000 sf [903.2.3] Variance to be requested for the high school in-fill addition.
FIRE ALARM SYSTEM:	Manual fire alarm system required for the additions. [907.2.3] The existing system will be extended into the addition, as required.
SMOKE DETECTORS:	Smoke detectors are required for HVAC shutdown for systems delivering in excess of 2,000 cfm. [908.1, IMC]

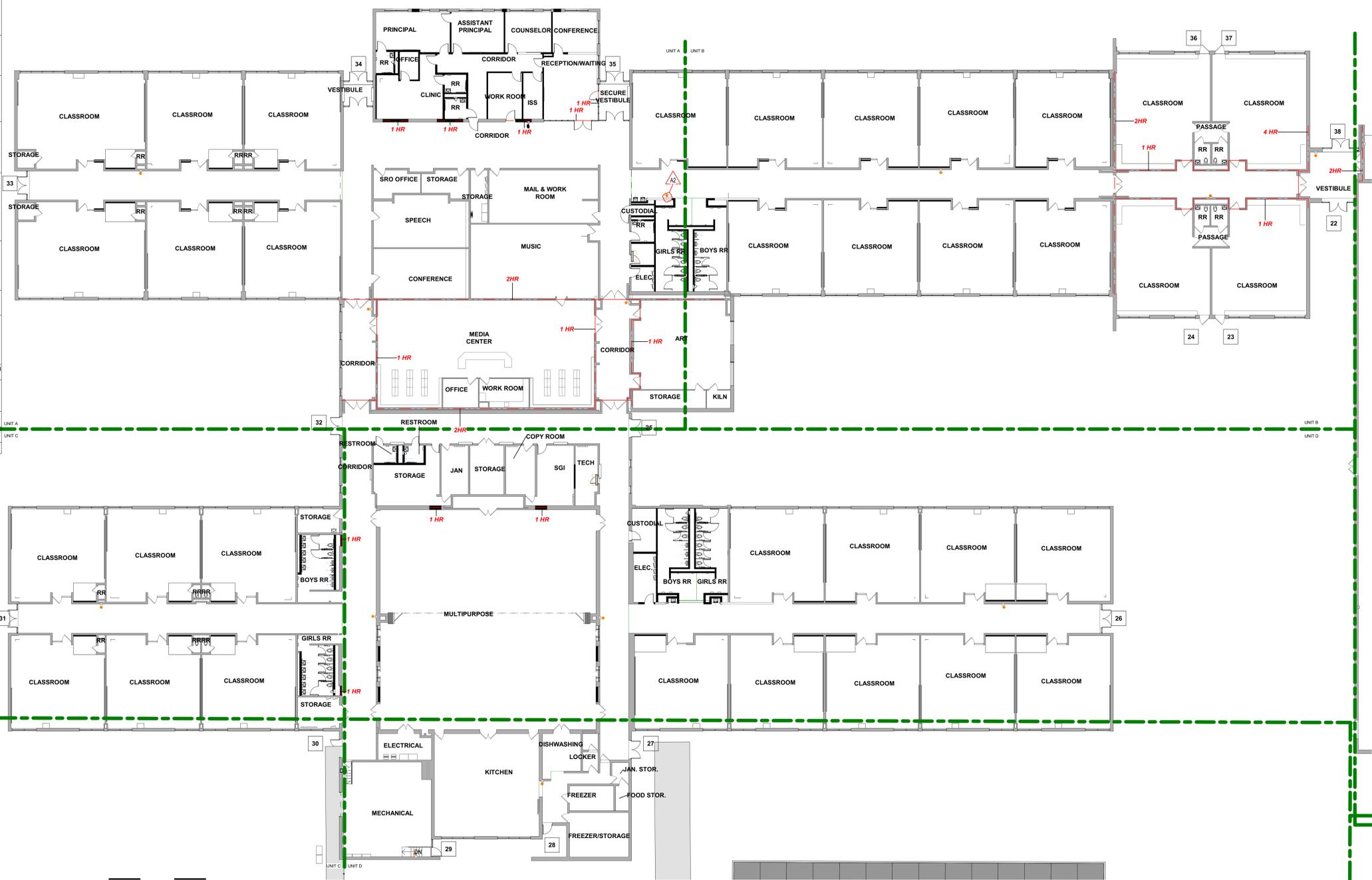
LIFE SAFETY PLAN LEGEND	
Room name 101	EGRESS INFORMATION TAG
AREA: 160 SF Occupancy Level: # # of Exits: #	LOCK BOX
	ANNUNCIATOR PANEL
	FIRE HOSE CABINET
	FIRE EXTINGUISHER (NOT REQUIRED)
--- --- ---	NON-RATED INCIDENTAL-USE WALL [508.2.2.1]
- - - - -	1-HOUR FB RATED WALL
- . - . - .	2-HOUR FB RATED WALL
- - - - -	4-HOUR FB RATED WALL
- - - - -	1-HOUR FIRE PARTITION [419, 1017.1]

EXISTING SQUARE FOOTAGE	
EXISTING ELEMENTARY SCHOOL FIRST FLOOR	78,049 ft <sup>2</sup>
MS/HS FIRST FLOOR	273,534 ft <sup>2</sup>
HIGH SCHOOL SECOND FLOOR	13,384 ft <sup>2</sup>
MIDDLE SCHOOL SECOND FLOOR	24,041 ft <sup>2</sup>
EXISTING AREA WITH NEW SPRINKLER	16,465 ft <sup>2</sup>
<b>ADDITION AREA</b>	
MIDDLE SCHOOL FIRST FLOOR	10,052 ft <sup>2</sup>
MIDDLE SCHOOL SECOND FLOOR	7,026 ft <sup>2</sup>

104413 - FIRE EXTINGUISHER CABINET LOCATIONS. FIELD VERIFY ACTUAL LOCATIONS WITH ARCHITECT.  
● = EXISTING FIRE EXTINGUISHER / CABINET TO REMAIN



1E EXTERIOR SIGNAGE  
1 1/2" = 1'-0"



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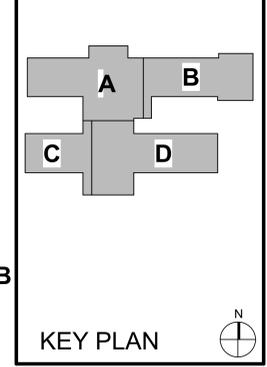
Project No.	2022.086.TGR
Project Date	08.29.2023
Produced	TE MP

Sarah K. Hempstead

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#	Revision	Date
A1	Addendum #1	09.15.2023
A2	Addendum #2	09.19.2023

4223 W 350 N  
Kokomo, IN 46901



**NORTHWESTERN SCHOOL CORPORATION**

**NORTHWESTERN ELEMENTARY SCHOOL**

FIRST FLOOR FIRE AND LIFE SAFETY PLAN

1-G-101

1A E - FIRST FLOOR FIRE AND LIFE SAFETY PLAN  
1/16" = 1'-0"

10/20/23 10:45 AM PROJECT: 2022.086.TGR - NW ES - 1ST FLOOR FIRE AND LIFE SAFETY PLAN  
DRAWN BY: SCHMIDT ASSOCIATES ARCHITECTS  
CHECKED BY: SCHMIDT ASSOCIATES ARCHITECTS  
DATE: 10/20/23 10:45 AM

6

5

4

3

2

1

DEMOLITION FLOOR PLAN NOTES	
#	NOTE
1	REMOVE EXISTING EXTERIOR WALL CONSTRUCTION TO 8" BELOW FINISH FLOOR LINE IN ITS ENTIRETY TO LIMITS INDICATED. REMOVE ALL DOORS, FRAMES, WINDOWS AND MISCELLANEOUS FRAMING IN ITS ENTIRETY. PROTECT ALL EXISTING STRUCTURAL MEMBERS TO REMAIN. PREPARE ADJACENT SURFACES TO REMAIN FOR NEW WORK. REFERENCE A-SERIES AND I-SERIES FLOOR PLANS FOR FINISH CONDITIONS. REFER TO SECTION(S) FOR FURTHER DEFINITION OF DEMOLITION WORK.
2	REMOVE EXISTING INTERIOR WALL CONSTRUCTION IN ITS ENTIRETY TO LIMITS INDICATED INCLUDING, BUT NOT LIMITED TO DOORS, FRAMES, WINDOWS AND ALL MISCELLANEOUS FRAMING. FIELD VERIFY ALL EXISTING WALL CONSTRUCTION PRIOR TO DEMOLITION. REFER TO ARCHITECTURAL AND INTERIOR FLOOR PLANS FOR FINISH CONDITIONS AND DIMENSIONS. NEW CONSTRUCTION TO TOOTH-IN TO EXISTING MASONRY COURSING WHERE APPLICABLE. PATCH AND REPAIR EXISTING ADJACENT SURFACES TO REMAIN AND PREP FOR NEW CONSTRUCTION.
3	REMOVE EXISTING ALUMINUM OR HOLLOW METAL STOREFRONT ENTRANCE SYSTEM IN ITS ENTIRETY, INCLUDING BUT NOT LIMITED TO ALL GLAZING, FRAMING, SEALANTS, DOORS, HARDWARE AND ACCESSORIES. PATCH AND REPAIR ADJACENT AND EXPOSED SURFACES.
4	REMOVE EXISTING DOORS AND ASSOCIATED FRAME. PREPARE OPENING TO RECEIVE NEW CONSTRUCTION.
5	REMOVE EXISTING SUSPENDED LAY-IN PANEL CEILING SYSTEM IN ITS ENTIRETY INCLUDING, BUT NOT LIMITED TO THE CEILING PADS, GRID, SUSPENSION WIRES, AND ALL RELATED ANCHORS. PATCH AND REPAIR EXISTING SURFACES TO REMAIN AND PREP FOR NEW CONSTRUCTION/FINISH. REMOVE EXISTING GYPSUM BOARD CEILING ASSEMBLY COMPLETE LOCATED ABOVE EXISTING LAY-IN CEILING.
6	REMOVE EXISTING PLUMBING FIXTURES. REFER TO P-SERIES DRAWINGS. PATCH AND REPAIR EXISTING SURFACES TO REMAIN, INCLUDING BUT NOT LIMITED TO SLAB AND WALLS.
7	REMOVE EXISTING WALL AS REQUIRED FOR NEW WINDOW/DOOR OPENING. REMOVE ONLY AS REQUIRED FOR INSTALLATION OF NEW WINDOW/DOOR AND TOOTH IN EXISTING MASONRY. PROVIDE NEW STEEL LINTEL AT NEW OPENING REFERENCE S-SERIES FOR LINTEL SIZE.
8	REMOVE EXISTING WINDOW SYSTEM IN ITS ENTIRETY INCLUDING, BUT NOT LIMITED TO THE GLAZING SPANDREL PANELS WINDOW FRAME, SEALANTS AND ALL RELATED ANCHORS. PATCH AND REPAIR ADJACENT SURFACES TO REMAIN AND PREP FOR NEW CONSTRUCTION/FINISH.

DEMOLITION FLOOR PLAN NOTES	
#	NOTE
9	REMOVE EXISTING FLOOR CARPET AND ASSOCIATED BASE INCLUDING ADHESIVES IN THEIR ENTIRETY. PREPARE AREA TO RECEIVE NEW CONSTRUCTION. PATCH AND REPAIR EXISTING SURFACES TO REMAIN.
10	REMOVE EXISTING QUARRY/PORCELAIN TILE FLOOR AND BASE. PREP SLAB FOR INFILL TO NEW FINISH FLOOR ELEVATION AND NEW FLOOR FINISH.
11	REMOVE EXISTING WALL OR CEILING MOUNTED ITEMS INCLUDING MARKER BOARDS/STRIPS, PAPER TOWEL HOLDERS, SHELVES, HOOKS, SHELVING, TELEVISIONS/RACKETS, ETC. AS REQUIRED. PATCH WALLS TO REMAIN AS REQUIRED TO MATCH ADJACENTS SURFACES. PREPARE FOR NEW WALL FINISH.
12	REMOVE EXISTING CERAMIC TILE FLOORING IN ITS ENTIRETY INCLUDING, BUT NOT LIMITED TO THE CERAMIC TILE, GROUT, ADHESIVE AND RELATED WALL BASE. PATCH AND REPAIR EXISTING FLOOR SLAB AND WALL SURFACE FOR NEW CONSTRUCTION/FINISH.
13	REMOVE EXISTING CASEWORK OR MILLWORK IN ITS ENTIRETY, INCLUDING BUT NOT LIMITED TO ALL HARDWARE AND ACCESSORIES. PATCH AND REPAIR ADJACENT AND EXPOSED SURFACES TO RECEIVE NEW WORK.
14	REMOVE EXISTING BULKHEAD, ABANDONED MECHANICAL DUCTWORK, AND ACCORDION DOOR, INCLUDING BUT NOT LIMITED TO HARDWARE, TRACK, AND ASSOCIATED ACCESSORIES. PATCH AND REPAIR EXISTING ADJACENT SURFACES TO REMAIN AND PREP FOR NEW CONSTRUCTION/FINISH.
15	REMOVE EXISTING IN-GROUND LIFE SYSTEM. PATCH AND REPAIR EXISTING SURFACES TO REMAIN AND PREP FOR NEW CONSTRUCTION/FINISH.
16	REMOVE EXISTING CONCRETE FLOOR SLAB IN ITS ENTIRETY TO LIMITS INDICATED. REFERENCE S-SERIES DRAWINGS FOR ADDITIONAL INFORMATION. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND EXISTING BUILDING CONDITIONS IN THE FIELD.
17	REMOVE EXISTING CORRIDOR LOCKERS, ASSOCIATED CONCRETE BASE AND BULKHEAD WALL FRAMING.
18	REMOVE EXISTING OVERHEAD DOOR IN ITS ENTIRETY, INCLUDING BUT NOT LIMITED TO ALL HARDWARE AND ACCESSORIES. PATCH AND REPAIR ADJACENT EXPOSED SURFACES TO RECEIVE NEW WORK.
19	REMOVE EXISTING CURTAIN WALL COMPLETE. PATCH AND REPAIR EXISTING SURFACES TO REMAIN AND PREP FOR NEW CONSTRUCTION/FINISH.

DEMOLITION FLOOR PLAN NOTES	
#	NOTE
20	REMOVE EXISTING "COURT YARD" AMENITIES COMPLETELY, INCLUDING BUT NOT LIMITED TO PAVERS, BENCHES, AND PLANTINGS. REMOVE AND PREP FOR NEW CONSTRUCTION. COORDINATE NEW LOCATION WITH OWNER.
21	REMOVE ALL EXISTING STAGE CURTAINS, TRACKS AND HOODING COMPLETE. PATCH AND REPAIR EXISTING SURFACES TO REMAIN AND PREP FOR NEW CONSTRUCTION/FINISH.
22	REMOVE EXISTING STAIR IN ITS ENTIRETY INCLUDING, BUT NOT LIMITED TO TREADS, RISERS, RAILINGS, ETC.
23	REMOVE EXISTING STARTING BLOCKS. PREP AND REPAIR ADJACENT AREAS FOR NEW CONSTRUCTION AND STARTING BLOCKS BASE AND DECK DRAIN TRIM IN ITS ENTIRETY. PREP AND REPAIR ADJACENT AREAS FOR CONSTRUCTION/FINISH.
24	REMOVE EXISTING CERAMIC 1X1 TILE POOL DECK IN ITS ENTIRETY INCLUDING, BUT NOT LIMITED TO THE CERAMIC TILE, DRAIN COVERS, GROUT, ADHESIVE AND RELATED WALL BASE. PATCH AND REPAIR EXISTING FLOOR SLAB AND WALL SURFACE FOR NEW CONSTRUCTION/FINISH.
25	REMOVE EXISTING TERRAZZO FLOORING SYSTEM IN ITS ENTIRETY INCLUDING, BUT NOT LIMITED TO THE TERRAZZO, TERRAZZO BASE, MORTAR BASE AND ALL RELATED TRIMS/THRESHOLDS DOWN TO EXISTING CONCRETE FLOOR SLAB. PREP EXISTING SURFACES TO REMAIN FOR NEW CONSTRUCTION.
26	REMOVE EXISTING RESILIENT TILE FLOOR FINISH AND ASSOCIATED BASE INCLUDING ADHESIVES IN THEIR ENTIRETY. PREPARE AREA TO RECEIVE NEW CONSTRUCTION. PATCH AND REPAIR EXISTING SURFACES TO REMAIN.
27	REMOVE EXISTING DIVING BOARD, AND METAL FRAME COMPLETE. PREP FOR NEW DIVING BOARD AND FRAME.
28	REMOVE EXISTING TOILET PARTITIONS AND URINAL PARTITIONS IN THEIR ENTIRETY. PATCH AND REPAIR EXISTING SURFACES TO REMAIN AND PREP FOR NEW CONSTRUCTION/FINISH.
29	REMOVE EXISTING CONCRETE STEP, KNEE WALL AND FINISH IN ITS ENTIRETY. PATCH AND REPAIR ADJACENT SURFACES FOR NEW CONSTRUCTION.

DEMOLITION FLOOR PLAN NOTES	
#	NOTE
30	REMOVE EXISTING ATHLETIC LOCKERS IN THEIR ENTIRETY INCLUDING, BUT NOT LIMITED TO THE LOCKERS, TRIMS, SLOPPED TOPS, CURB AND ALL ASSOCIATED ANCHORS TO LIMITS INDICATED. PATCH AND REPAIR EXISTING FLOOR SURFACES AND PREP FOR NEW CONSTRUCTION/FINISH.
31	REMOVE EXISTING CORRIDOR GATE IN ITS ENTIRETY. PATCH AND REPAIR ADJACENT SURFACES FOR NEW CONSTRUCTION/FINISH.
32	REMOVE EXISTING EXTERIOR CANOPY IN ITS ENTIRETY. PATCH AND REPAIR ADJACENT SURFACES FOR NEW CONSTRUCTION/FINISH.
33	REMOVE EXISTING TIRED FLOOR IN ITS ENTIRETY. PATCH AND REPAIR ADJACENT SURFACES FOR NEW CONSTRUCTION/FINISH.
34	REMOVE EXISTING GYPSUM BOARD CEILING SYSTEM IN ITS ENTIRETY INCLUDING, BUT NOT LIMITED TO THE GYPSUM BOARD, SUSPENDED FRAMING AND ALL RELATED ANCHORS/FASTENERS. PATCH AND REPAIR EXISTING SURFACES TO REMAIN AND PREP FOR NEW CONSTRUCTION/FINISH.
35	REPLACE DAMAGED CEILING TILES AS REQUIRED.
36	REMOVE EXISTING WALL MOUNTED TABLES IN THEIR ENTIRETY.
37	CAREFULLY REMOVE EXISTING FIRE EXTINGUISHER CABINET. REINSTALL IN NEW LOCATION.
38	REMOVE EXISTING MECHANICAL EQUIPMENT IN ITS ENTIRETY. PATCH AND REPAIR EXISTING SURFACES FOR NEW CONSTRUCTION/FINISH. REFERENCE M-SERIES DWGS.
39	REMOVE EXISTING STAIR AND LANDING IN ITS ENTIRETY. PATCH AND REPAIR EXISTING SURFACES FOR NEW CONSTRUCTION/FINISH.
40	REMOVE EXISTING WALL PADDING IN ITS ENTIRETY INCLUDING THE PADDING AND ALL RELATED ADHESIVES. PREP EXISTING WALL SURFACE FOR NEW FINISH. SEE I-SERIES DRAWINGS FOR NEW FINISH.
41	REMOVE EXISTING WALL BASE INCLUDING ADHESIVES IN THEIR ENTIRETY. PREPARE AREA TO RECEIVE NEW CONSTRUCTION. PATCH AND REPAIR EXISTING SURFACES TO REMAIN.
42	DEMO HOUSE KEEPING PAD IN ITS ENTIRETY. PATCH AND REPAIR ADJACENT SURFACES FOR NEW CONSTRUCTION.
43	REMOVE DISPLAY CASE IN ITS ENTIRETY INCLUDING BUT NOT LIMITED TO GLAZINGS, SHELVING. PREP AREA TO RECEIVE NEW CONSTRUCTION.
44	REMOVAL OF EXISTING FLOOR CARPET, ASSOCIATED BASE, FLOOR TILE, AND ALL ASSOCIATED ADHESIVES IN THEIR ENTIRETY BY OTHERS.
45	REMOVAL OF EXISTING FLOOR TILE, ASSOCIATED WALL BASE, AND ALL ASSOCIATED ADHESIVES IN THEIR ENTIRETY BY OTHERS.
46	REMOVAL OF EXISTING WINDOW SYSTEM IN ITS ENTIRETY INCLUDING, BUT NOT LIMITED TO THE GLAZING SPANDREL PANELS WINDOW FRAME, SEALANTS, AND ALL RELATED ANCHORS - BY OWNER. PATCH AND REPAIR ADJACENT SURFACES TO REMAIN AND PREP FOR NEW CONSTRUCTION / FINISH.

**General Demolition Notes**

A. Contractor shall field-verify all existing conditions, dimensions, and arrangements.

B. Contractor is responsible for protection of all existing surfaces, materials, and components to remain or be relocated. Damage to these resulting from performance of Work shall be repaired by Contractor to satisfaction of Owner and Architect at no additional expense to Owner.

C. Contractor shall provide temporary dust protection as required to prevent construction debris and dust from migrating out of Project Area. Owner/Architect shall confirm all dust prevention measures/locations and shall determine changes to these measures.

D. All existing equipment and fixtures shall remain property of Owner. All reusable items salvaged during demolition operations shall be retained for Owner's inspection. Only items so inspected and rejected by Owner shall be disposed. All other such items shall be turned over to Owner for disposition.

E. All existing surfaces located adjacent to, or exposed by demolition work and scheduled to receive new construction shall be patched and repaired as required to cleanly receive new work.

F. All existing surfaces located adjacent to, or exposed by demolition work and scheduled to remain exposed after completion of new const. shall be repaired and patched as required to receive new finishes.

G. Owner will be responsible for removal/rearrangement of all existing loose furnishings during construction, unless noted otherwise.

H. Refer to Mech./Elec. Drawings for additional patching and preparation work related to M.E.P. demolition items.

I. Existing sleeves, holes, and other penetrations or new damage of existing building structure above grade exposed by demolition and removal of piping, appurtenances, equipment shall be patched and repaired as part of the Work. Maintain fire ratings of all and adjacent construction affected.

J. Cap all piping to remain or abandoned in accordance with requirements of authority having jurisdiction and in accordance with all local and state plumbing and health codes. Utilize only pre-manufactured and approved fittings to cap existing piping.

K. Each Contractor is responsible for all demolition work required or noted for installation of new Work. Demolition may include associated distribution systems, appurtenances, equipment supporting controls, and miscellaneous supports, unless noted otherwise.

L. Coordinate all demolition with Project sequencing as directed by General Contractor or Construction Manager.

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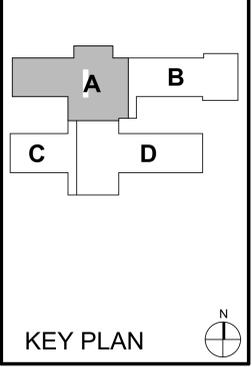
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Sarah K. Hempstead

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#	Revision	Date
A2	Addendum #2	09.19.2023

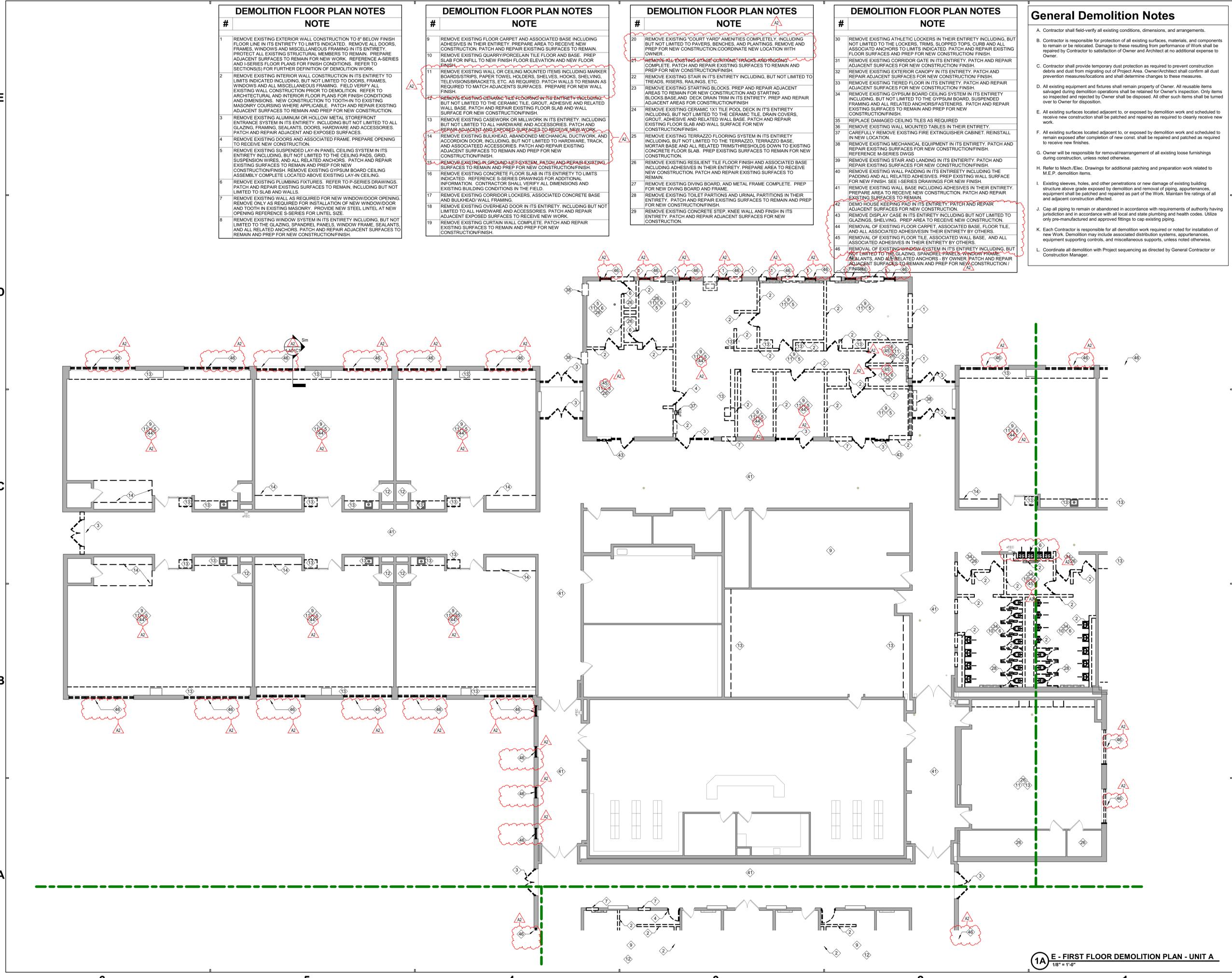
4223 W 350 N  
Kokomo, IN 46901



**NORTHWESTERN SCHOOL CORPORATION**

NORTHWESTERN ELEMENTARY SCHOOL

FIRST FLOOR  
DEMOLITION PLAN - UNIT A  
1-AD1A1



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

6

5

4

3

2

1

SCALE: 1/8" = 1'-0"  
 DATE: 09/19/2023  
 DRAWN BY: SCHMIDT ASSOCIATES  
 CHECKED BY: SCHMIDT ASSOCIATES  
 PROJECT: NORTHWESTERN SCHOOL CORPORATION - DEMOLITION UNIT A  
 SHEET: 1-AD1A1

6

5

4

3

2

1

DEMOLITION FLOOR PLAN NOTES	
#	NOTE
1	REMOVE EXISTING EXTERIOR WALL CONSTRUCTION TO 8" BELOW FINISH FLOOR LINE IN ITS ENTIRETY TO LIMITS INDICATED. REMOVE ALL DOORS, FRAMES, WINDOWS AND MISCELLANEOUS FRAMING IN ITS ENTIRETY. PROTECT ALL EXISTING STRUCTURAL MEMBERS TO REMAIN. PREPARE ADJACENT SURFACES TO REMAIN FOR NEW WORK. REFERENCE A-SERIES AND I-SERIES FLOOR PLANS FOR FINISH CONDITIONS. REFER TO SECTIONS FOR FURTHER DEFINITION OF DEMOLITION WORK.
2	REMOVE EXISTING INTERIOR WALL CONSTRUCTION IN ITS ENTIRETY TO LIMITS INDICATED INCLUDING, BUT NOT LIMITED TO DOORS, FRAMES, WINDOWS AND ALL MISCELLANEOUS FRAMING. FIELD VERIFY ALL EXISTING WALL CONSTRUCTION PRIOR TO DEMOLITION. REFER TO ARCHITECTURAL AND INTERIOR FLOOR PLANS FOR FINISH CONDITIONS AND DIMENSIONS. NEW CONSTRUCTION TO TOOTH-IN TO EXISTING MASONRY COURSING WHERE APPLICABLE. PATCH AND REPAIR EXISTING ADJACENT SURFACES TO REMAIN AND PREP FOR NEW CONSTRUCTION.
3	REMOVE EXISTING ALUMINUM OR HOLLOW METAL STOREFRONT ENTRANCE SYSTEM IN ITS ENTIRETY INCLUDING BUT NOT LIMITED TO ALL GLAZING, FRAMING, SEALANTS, DOORS, HARDWARE AND ACCESSORIES. PATCH AND REPAIR ADJACENT AND EXPOSED SURFACES.
4	REMOVE EXISTING DOORS AND ASSOCIATED FRAME. PREPARE OPENING TO RECEIVE NEW CONSTRUCTION.
5	REMOVE EXISTING SUSPENDED LAY-IN PANEL CEILING SYSTEM IN ITS ENTIRETY INCLUDING, BUT NOT LIMITED TO THE CEILING PADS, GRID, SUSPENSION WIRES, AND ALL RELATED ANCHORS. PATCH AND REPAIR EXISTING SURFACES TO REMAIN AND PREP FOR NEW CONSTRUCTION/FINISH. REMOVE EXISTING GYPSUM BOARD CEILING ASSEMBLY COMPLETE LOCATED ABOVE EXISTING LAY-IN CEILING.
6	REMOVE EXISTING PLUMBING FIXTURES. REFER TO P-SERIES DRAWINGS. PATCH AND REPAIR EXISTING SURFACES TO REMAIN, INCLUDING BUT NOT LIMITED TO SLAB AND WALLS.
7	REMOVE EXISTING WALL AS REQUIRED FOR NEW WINDOW/DOOR OPENING. REMOVE ONLY AS REQUIRED FOR INSTALLATION OF NEW WINDOW/DOOR AND TOOTH IN EXISTING MASONRY. PROVIDE NEW STEEL LINTEL AT NEW OPENING REFERENCE S-SERIES FOR LINTEL SIZE.
8	REMOVE EXISTING WINDOW SYSTEM IN ITS ENTIRETY INCLUDING, BUT NOT LIMITED TO THE GLAZING, SPANDREL PANELS, WINDOW FRAME, SEALANTS, AND ALL RELATED ANCHORS. PATCH AND REPAIR ADJACENT SURFACES TO REMAIN AND PREP FOR NEW CONSTRUCTION/FINISH.

DEMOLITION FLOOR PLAN NOTES	
#	NOTE
9	REMOVE EXISTING FLOOR CARPET AND ASSOCIATED BASE INCLUDING ADHESIVES IN THEIR ENTIRETY. PREPARE AREA TO RECEIVE NEW CONSTRUCTION. PATCH AND REPAIR EXISTING SURFACES TO REMAIN.
10	REMOVE EXISTING QUARRY/PORCELAIN TILE FLOOR AND BASE. PREP SLAB FOR INFILL TO NEW FINISH FLOOR ELEVATION AND NEW FLOOR FINISH.
11	REMOVE EXISTING WALL OR CEILING MOUNTED ITEMS INCLUDING MARKER BOARDS/TRIMS, PAPER TOWEL HOLDERS, SHELVES, HOOKS, SHELVING, TELEVISIONS/BRACKETS, ETC. AS REQUIRED. PATCH WALLS TO REMAIN AS REQUIRED TO MATCH ADJACENT SURFACES. PREPARE FOR NEW WALL FINISH.
12	REMOVE EXISTING CERAMIC TILE FLOORING IN ITS ENTIRETY INCLUDING, BUT NOT LIMITED TO THE CERAMIC TILE, GROUT, ADHESIVE AND RELATED WALL BASE. PATCH AND REPAIR EXISTING FLOOR SLAB AND WALL SURFACE FOR NEW CONSTRUCTION/FINISH.
13	REMOVE EXISTING CASEWORK OR MILLWORK IN ITS ENTIRETY INCLUDING, BUT NOT LIMITED TO ALL HARDWARE AND ACCESSORIES. PATCH AND REPAIR ADJACENT AND EXPOSED SURFACES TO RECEIVE NEW WORK.
14	REMOVE EXISTING BULKHEAD, ABANDONED MECHANICAL DUCTWORK, AND ACCORDION DOOR, INCLUDING, BUT NOT LIMITED TO HARDWARE, TRACK, AND ASSOCIATED ACCESSORIES. PATCH AND REPAIR EXISTING ADJACENT SURFACES TO REMAIN AND PREP FOR NEW CONSTRUCTION/FINISH.
15	REMOVE EXISTING IN-GROUND LIFT SYSTEM. PATCH AND REPAIR EXISTING SURFACES TO REMAIN AND PREP FOR NEW CONSTRUCTION/FINISH.
16	REMOVE EXISTING CONCRETE FLOOR SLAB IN ITS ENTIRETY TO LIMITS INDICATED. REFERENCE S-SERIES DRAWINGS FOR ADDITIONAL INFORMATION. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND EXISTING BUILDING CONDITIONS IN THE FIELD.
17	REMOVE EXISTING CORRIDOR LOCKERS, ASSOCIATED CONCRETE BASE AND BULKHEAD WALL FRAMING.
18	REMOVE EXISTING OVERHEAD DOOR IN ITS ENTIRETY INCLUDING BUT NOT LIMITED TO ALL HARDWARE AND ACCESSORIES. PATCH AND REPAIR ADJACENT EXPOSED SURFACES TO RECEIVE NEW WORK.
19	REMOVE EXISTING CURTAIN WALL COMPLETE. PATCH AND REPAIR EXISTING SURFACES TO REMAIN AND PREP FOR NEW CONSTRUCTION/FINISH.

DEMOLITION FLOOR PLAN NOTES	
#	NOTE
20	REMOVE EXISTING "COURT YARD" AMENITIES COMPLETELY INCLUDING BUT NOT LIMITED TO PAVERS, BENCHES, AND PLANTINGS. REMOVE AND PREP FOR NEW CONSTRUCTION COORDINATE NEW LOCATION WITH
21	REMOVE ALL EXISTING STAGE CURTAINS, TRACKS AND RIGGING COMPLETE. PATCH AND REPAIR EXISTING SURFACES TO REMAIN AND PREP FOR NEW CONSTRUCTION/FINISH.
22	REMOVE EXISTING STAIR IN ITS ENTIRETY INCLUDING, BUT NOT LIMITED TO TREADS, RISERS, RAILINGS, ETC.
23	REMOVE EXISTING STARTING BLOCKS. PREP AND REPAIR ADJACENT AREAS TO REMAIN FOR NEW CONSTRUCTION AND STARTING BLOCKS/BASE AND DECK DRAIN TRIM IN ITS ENTIRETY. PREP AND REPAIR ADJACENT AREAS FOR CONSTRUCTION/FINISH.
24	REMOVE EXISTING CERAMIC 1X1 TILE POOL DECK IN ITS ENTIRETY INCLUDING, BUT NOT LIMITED TO THE CERAMIC TILE, DRAIN COVERS, GROUT, ADHESIVE AND RELATED WALL BASE. PATCH AND REPAIR EXISTING FLOOR SLAB AND WALL SURFACE FOR NEW CONSTRUCTION/FINISH.
25	REMOVE EXISTING TERRAZZO FLOORING SYSTEM IN ITS ENTIRETY INCLUDING, BUT NOT LIMITED TO THE TERRAZZO, TERRAZZO BASE, MORTAR BASE AND ALL RELATED TRIMS/THRESHOLDS DOWN TO EXISTING CONCRETE FLOOR SLAB. PREP EXISTING SURFACES TO REMAIN FOR NEW CONSTRUCTION.
26	REMOVE EXISTING RESILIENT TILE FLOOR FINISH AND ASSOCIATED BASE INCLUDING ADHESIVES IN THEIR ENTIRETY. PREPARE AREA TO RECEIVE NEW CONSTRUCTION. PATCH AND REPAIR EXISTING SURFACES TO REMAIN.
27	REMOVE EXISTING DIVING BOARD, AND METAL FRAME COMPLETE. PREP FOR NEW DIVING BOARD AND FRAME.
28	REMOVE EXISTING TOILET PARTITIONS AND URINAL PARTITIONS IN THEIR ENTIRETY. PATCH AND REPAIR EXISTING SURFACES TO REMAIN AND PREP FOR NEW CONSTRUCTION/FINISH.
29	REMOVE EXISTING CONCRETE STEP, KNEE WALL AND FINISH IN ITS ENTIRETY. PATCH AND REPAIR ADJACENT SURFACES TO REMAIN AND PREP FOR NEW CONSTRUCTION.

DEMOLITION FLOOR PLAN NOTES	
#	NOTE
30	REMOVE EXISTING ATHLETIC LOCKERS IN THEIR ENTIRETY INCLUDING, BUT NOT LIMITED TO THE LOCKERS, TRIMS, SLOPPED TOPS, CURB AND ALL ASSOCIATED ANCHORS TO LIMITS INDICATED. PATCH AND REPAIR EXISTING FLOOR SURFACES AND PREP FOR NEW CONSTRUCTION/FINISH.
31	REMOVE EXISTING CORRIDOR GATE IN ITS ENTIRETY. PATCH AND REPAIR ADJACENT SURFACES FOR NEW CONSTRUCTION/FINISH.
32	REMOVE EXISTING EXTERIOR CANOPY IN ITS ENTIRETY. PATCH AND REPAIR ADJACENT SURFACES FOR NEW CONSTRUCTION/FINISH.
33	REMOVE EXISTING TIRED FLOOR IN ITS ENTIRETY. PATCH AND REPAIR ADJACENT SURFACES FOR NEW CONSTRUCTION/FINISH.
34	REMOVE EXISTING GYPSUM BOARD CEILING SYSTEM IN ITS ENTIRETY INCLUDING, BUT NOT LIMITED TO THE GYPSUM BOARD, SUSPENDED FRAMING AND ALL RELATED ANCHORS/FASTENERS. PATCH AND REPAIR EXISTING SURFACES TO REMAIN AND PREP FOR NEW CONSTRUCTION/FINISH.
35	REPLACE DAMAGED CEILING TILES AS REQUIRED
36	REMOVE EXISTING WALL MOUNTED TABLES IN THEIR ENTIRETY.
37	CAREFULLY REMOVE EXISTING FIRE EXTINGUISHER CABINET. REINSTALL IN NEW LOCATION.
38	REMOVE EXISTING MECHANICAL EQUIPMENT IN ITS ENTIRETY. PATCH AND REPAIR EXISTING SURFACES FOR NEW CONSTRUCTION/FINISH.
39	REMOVE EXISTING STAIR AND LANDING IN ITS ENTIRETY. PATCH AND REPAIR EXISTING SURFACES FOR NEW CONSTRUCTION/FINISH.
40	REMOVE EXISTING WALL PADDING IN ITS ENTIRETY INCLUDING THE PADDING AND ALL RELATED ADHESIVES. PREP EXISTING WALL SURFACE FOR NEW FINISH. SEE I-SERIES DRAWINGS FOR NEW FINISH.
41	REMOVE EXISTING WALL BASE INCLUDING ADHESIVES IN THEIR ENTIRETY. PREPARE AREA TO RECEIVE NEW CONSTRUCTION. PATCH AND REPAIR EXISTING SURFACES TO REMAIN.
42	REMOVE HOUSE KEEPING PAD IN ITS ENTIRETY. PATCH AND REPAIR ADJACENT SURFACES FOR NEW CONSTRUCTION.
43	REMOVE DISPLAY CASE IN ITS ENTIRETY INCLUDING BUT NOT LIMITED TO GLAZINGS, SHELVING. PREP AREA TO RECEIVE NEW CONSTRUCTION.
44	REMOVAL OF EXISTING FLOOR CARPET, ASSOCIATED BASE, FLOOR TILE, AND ALL ASSOCIATED ADHESIVES IN THEIR ENTIRETY BY OTHERS.
45	REMOVAL OF EXISTING FLOOR TILE, ASSOCIATED WALL BASE, AND ALL ASSOCIATED ADHESIVES IN THEIR ENTIRETY BY OTHERS.
46	REMOVAL OF EXISTING WINDOW SYSTEM IN ITS ENTIRETY INCLUDING, BUT NOT LIMITED TO THE GLAZING, SPANDREL PANELS, WINDOW FRAME, SEALANTS, AND ALL RELATED ANCHORS - BY OWNER. PATCH AND REPAIR ADJACENT SURFACES TO REMAIN AND PREP FOR NEW CONSTRUCTION / FINISH.

**General Demolition Notes**

A. Contractor shall field-verify all existing conditions, dimensions, and arrangements.

B. Contractor is responsible for protection of all existing surfaces, materials, and components to remain or be relocated. Damage to these resulting from performance of Work shall be repaired by Contractor to satisfaction of Owner and Architect at no additional expense to Owner.

C. Contractor shall provide temporary dust protection as required to prevent construction debris and dust from migrating out of Project Area. Owner/Architect shall confirm all dust prevention measures/locations and shall determine changes to these measures.

D. All existing equipment and fixtures shall remain property of Owner. All reusable items salvaged during demolition operations shall be retained for Owner's inspection. Only items so inspected and rejected by Owner shall be disposed. All other such items shall be turned over to Owner for disposition.

E. All existing surfaces located adjacent to, or exposed by demolition work and scheduled to receive new construction shall be patched and repaired as required to cleanly receive new work.

F. All existing surfaces located adjacent to, or exposed by demolition work and scheduled to remain surfaced after completion of new const. shall be repaired and patched as required to receive new finishes.

G. Owner will be responsible for removal/rearrangement of all existing loose furnishings during construction, unless noted otherwise.

H. Refer to Mech./Elec. Drawings for additional patching and preparation work related to M.E.P. demolition items.

I. Existing sleeves, holes, and other penetrations or new damage of existing building structure above grade exposed by demolition and removal of piping, appurtenances, equipment shall be patched and repaired as part of the Work. Maintain fire ratings of all and adjacent construction affected.

J. Cap all piping to remain or abandoned in accordance with requirements of authority having jurisdiction and in accordance with all local and state plumbing and health codes. Utilize only pre-manufactured and approved fittings to cap existing piping.

K. Each Contractor is responsible for all demolition work required or noted for installation of new Work. Demolition may include associated distribution systems, appurtenances, equipment supporting controls, and miscellaneous supports, unless noted otherwise.

L. Coordinate all demolition with Project sequencing as directed by General Contractor or Construction Manager.



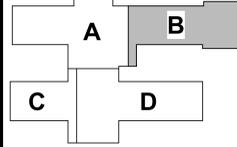
Project No. 2022-086.TGR  
 Project Date 08.29.2023  
 Produced TE MP



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#	Revision	Date
A2	Addendum #2	09.19.2023

4223 W 350 N  
 Kokomo, IN 46901



KEY PLAN

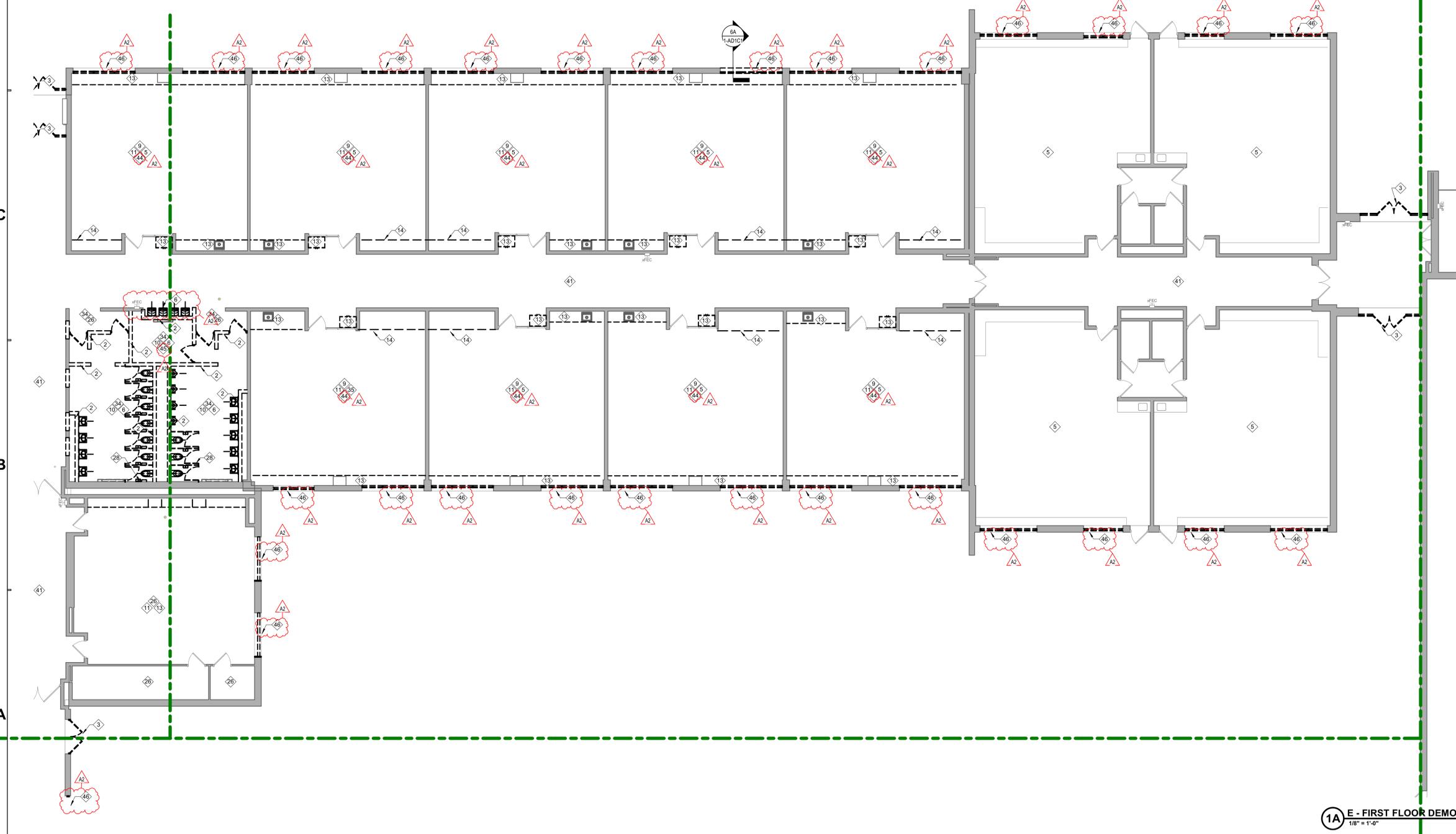
NORTHWESTERN SCHOOL CORPORATION



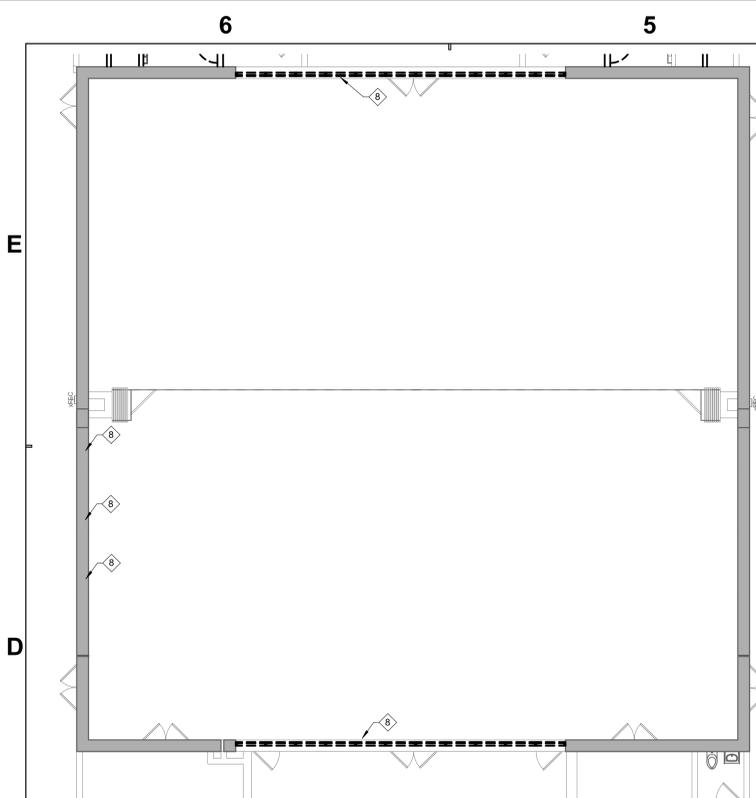
NORTHWESTERN ELEMENTARY SCHOOL

FIRST FLOOR DEMOLITION PLAN - UNIT B

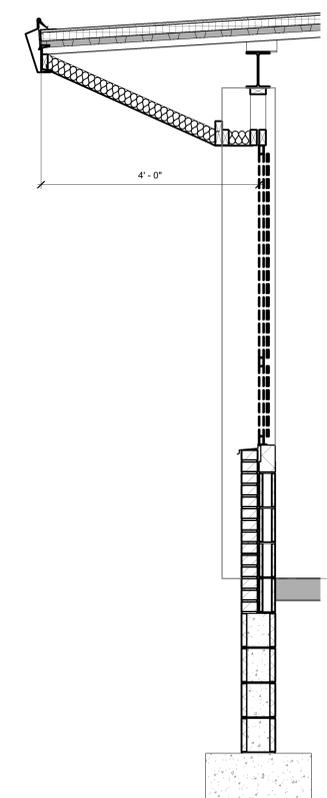
1-AD1B1



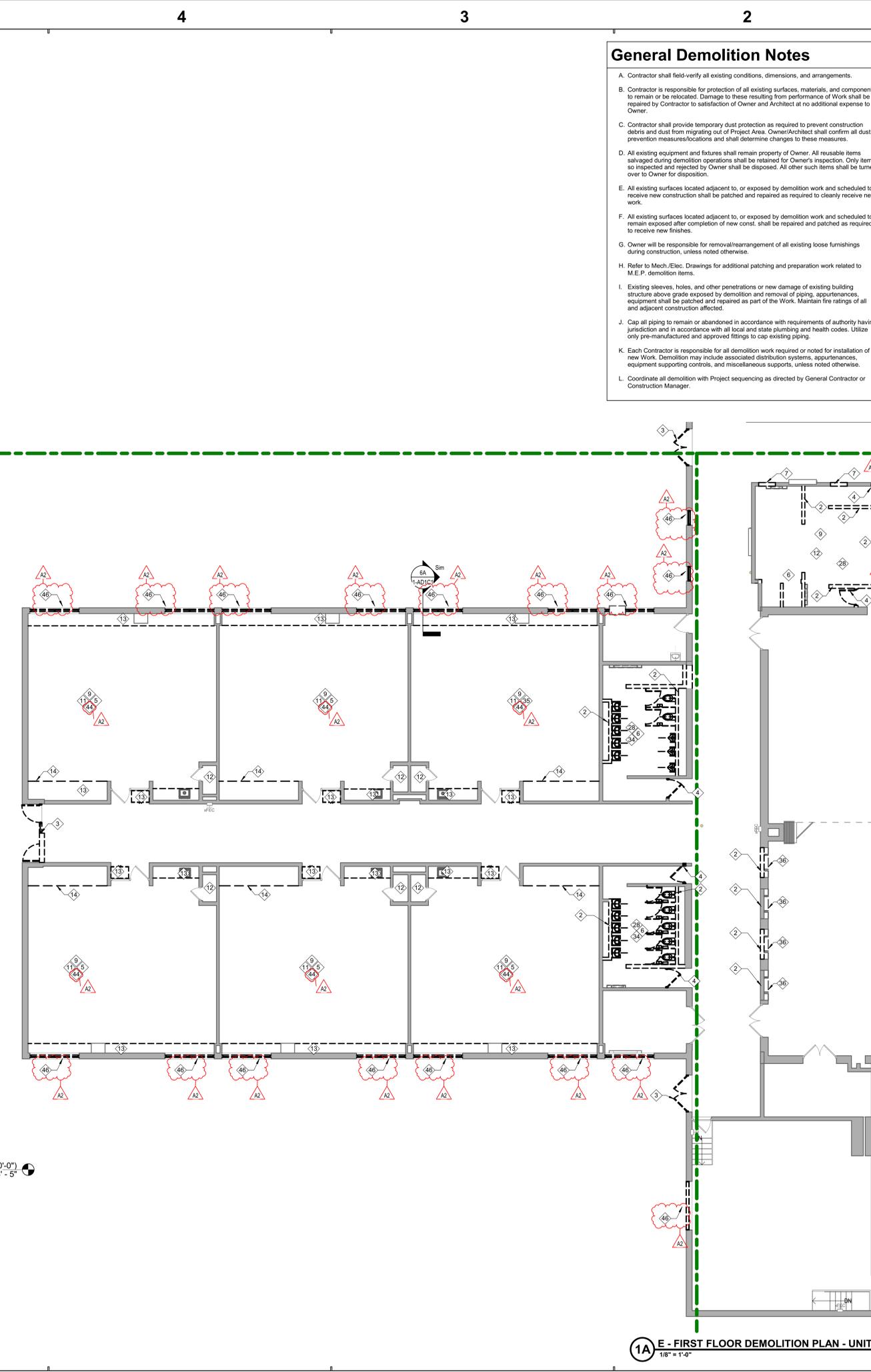
1A E - FIRST FLOOR DEMOLITION PLAN - UNIT B  
 1/8" = 1'-0"



**5A** ELEMENTARY SCHOOL CLERESTORY DEMOLITION PLAN  
1/8" = 1'-0"



**6A** ELEMENTARY WINDOW DEMO SECTION  
3/4" = 1'-0"



**1A** E - FIRST FLOOR DEMOLITION PLAN - UNIT C  
1/8" = 1'-0"

**General Demolition Notes**

- A. Contractor shall field-verify all existing conditions, dimensions, and arrangements.
- B. Contractor is responsible for protection of all existing surfaces, materials, and components to remain or be relocated. Damage to these resulting from performance of Work shall be repaired by Contractor to satisfaction of Owner and Architect at no additional expense to Owner.
- C. Contractor shall provide temporary dust protection as required to prevent construction debris and dust from migrating out of Project Area. Owner/Architect shall confirm all dust prevention measures/locations and shall determine changes to these measures.
- D. All existing equipment and fixtures shall remain property of Owner. All reusable items salvaged during demolition operations shall be retained for Owner's inspection. Only items so inspected and rejected by Owner shall be disposed. All other such items shall be turned over to Owner for disposition.
- E. All existing surfaces located adjacent to, or exposed by demolition work and scheduled to receive new construction shall be patched and repaired as required to cleanly receive new work.
- F. All existing surfaces located adjacent to, or exposed by demolition work and scheduled to remain exposed after completion of new const. shall be repaired and patched as required to receive new finishes.
- G. Owner will be responsible for removal/rearrangement of all existing loose furnishings during construction, unless noted otherwise.
- H. Refer to Mech./Elec. Drawings for additional patching and preparation work related to M.E.P. demolition items.
- I. Existing sleeves, holes, and other penetrations or new damage of existing building structure above grade exposed by demolition and removal of piping, appurtenances, equipment shall be patched and repaired as part of the Work. Maintain fire ratings of all and adjacent construction affected.
- J. Cap all piping to remain or abandoned in accordance with requirements of authority having jurisdiction and in accordance with all local and state plumbing and health codes. Utilize only pre-manufactured and approved fittings to cap existing piping.
- K. Each Contractor is responsible for all demolition work required or noted for installation of new Work. Demolition may include associated distribution systems, appurtenances, equipment supporting controls, and miscellaneous supports, unless noted otherwise.
- L. Coordinate all demolition with Project sequencing as directed by General Contractor or Construction Manager.

**DEMOLITION FLOOR PLAN NOTES**

- | #  | NOTE   |
|----|--|
| 1  | REMOVE EXISTING EXTERIOR WALL CONSTRUCTION TO 8" BELOW FINISH FLOOR LINE IN ITS ENTIRETY TO LIMITS INDICATED. REMOVE ALL DOORS, FRAMES, WINDOWS AND MISCELLANEOUS FRAMING IN ITS ENTIRETY. PROTECT ALL EXISTING STRUCTURAL MEMBERS TO REMAIN. PREPARE ADJACENT SURFACES TO REMAIN FOR NEW WORK. REFERENCE A-SERIES AND S-SERIES FLOOR PLANS FOR FINISH CONDITIONS. REFER TO SECTION(S) FOR FURTHER DEFINITION OF DEMOLITION WORK.  |
| 2  | REMOVE EXISTING INTERIOR WALL CONSTRUCTION IN ITS ENTIRETY TO LIMITS INDICATED INCLUDING, BUT NOT LIMITED TO DOORS, FRAMES, WINDOWS AND ALL MISCELLANEOUS FRAMING. FIELD VERIFY ALL EXISTING WALL CONSTRUCTION PRIOR TO DEMOLITION. REFER TO ARCHITECTURAL AND INTERIOR FLOOR PLANS FOR FINISH CONDITIONS AND DIMENSIONS. NEW CONSTRUCTION TO TOOTH-IN TO EXISTING MASONRY COURSE WHERE APPLICABLE. PATCH AND REPAIR EXISTING ADJACENT SURFACES TO REMAIN AND PREP FOR NEW CONSTRUCTION. |
| 3  | REMOVE EXISTING ALUMINUM OR HOLLOW METAL STOREFRONT ENTRANCE SYSTEM IN ITS ENTIRETY INCLUDING, BUT NOT LIMITED TO ALL GLAZING, FRAMING, SEALANTS, DOORS, HARDWARE AND ACCESSORIES. PATCH AND REPAIR ADJACENT AND EXPOSED SURFACES.   |
| 4  | REMOVE EXISTING DOORS AND ASSOCIATED FRAME. PREPARE OPENING TO RECEIVE NEW CONSTRUCTION.   |
| 5  | REMOVE EXISTING SUSPENDED LAY-IN PANEL CEILING SYSTEM IN ITS ENTIRETY INCLUDING, BUT NOT LIMITED TO THE CEILING PADS, GRID, SUSPENSION WIRES, AND ALL RELATED ANCHORS. PATCH AND REPAIR EXISTING SURFACES TO REMAIN AND PREP FOR NEW CONSTRUCTION/FINISH. REMOVE EXISTING GYPSUM BOARD CEILING ASSEMBLY COMPLETE LOCATED ABOVE EXISTING LAY-IN CEILING.  |
| 6  | REMOVE EXISTING PLUMBING FIXTURES. REFER TO P-SERIES DRAWINGS. PATCH AND REPAIR EXISTING SURFACES TO REMAIN, INCLUDING BUT NOT LIMITED TO SLAB AND WALLS.  |
| 7  | REMOVE EXISTING WALL AS REQUIRED FOR NEW WINDOW/DOOR OPENING. REMOVE ONLY AS REQUIRED FOR INSTALLATION OF NEW WINDOW/DOOR AND TOOTH IN EXISTING MASONRY. PROVIDE NEW STEEL LINTEL AT NEW OPENING REFERENCE S-SERIES FOR LINTEL SIZE.   |
| 8  | REMOVE EXISTING WINDOW SYSTEM IN ITS ENTIRETY INCLUDING, BUT NOT LIMITED TO THE GLAZING, SPANDREL PANELS, WINDOW FRAME, SEALANTS, AND ALL RELATED ANCHORS. PATCH AND REPAIR ADJACENT SURFACES TO REMAIN AND PREP FOR NEW CONSTRUCTION/FINISH.  |
| 9  | REMOVE EXISTING FLOOR CARPET AND ASSOCIATED BASE INCLUDING ADHESIVES IN THEIR ENTIRETY. PREPARE AREA TO RECEIVE NEW CONSTRUCTION. PATCH AND REPAIR EXISTING SURFACES TO REMAIN.  |
| 10 | REMOVE EXISTING QUARRY/PORCELAIN TILE FLOOR AND BASE. PREP SLAB FOR INFILL TO NEW FINISH FLOOR ELEVATION AND NEW FLOOR FINISH.   |
| 11 | REMOVE EXISTING WALL OR CEILING MOUNTED ITEMS INCLUDING MARKER BOARDS/STRIPS, PAPER TOWEL HOLDERS, SHELVES, HOOKS, SHELVING, TELEVISIONS/BRACKETS, ETC. AS REQUIRED. PATCH WALLS TO REMAIN AS REQUIRED TO MATCH ADJACENT SURFACES. PREPARE FOR NEW WALL FINISH.  |
| 12 | REMOVE EXISTING CERAMIC TILE FLOORING IN ITS ENTIRETY INCLUDING, BUT NOT LIMITED TO THE CERAMIC TILE, GROUT, ADHESIVE AND RELATED WALL BASE. PATCH AND REPAIR EXISTING FLOOR SLAB AND WALL SURFACE FOR NEW CONSTRUCTION/FINISH.  |
| 13 | REMOVE EXISTING CASEWORK OR MILLWORK IN ITS ENTIRETY INCLUDING BUT NOT LIMITED TO ALL HARDWARE AND ACCESSORIES. PATCH AND REPAIR ADJACENT AND EXPOSED SURFACES TO RECEIVE NEW WORK.  |
| 14 | REMOVE EXISTING MECHANICAL DUCTWORK AND ACCORDION DOOR, INCLUDING, BUT NOT LIMITED TO HARDWARE, TRACK AND ASSOCIATED ACCESSORIES. PATCH AND REPAIR EXISTING ADJACENT SURFACES TO REMAIN AND PREP FOR NEW CONSTRUCTION/FINISH.  |
| 15 | REMOVE EXISTING IN-GROUND LIFT SYSTEM. PATCH AND REPAIR EXISTING SURFACES TO REMAIN AND PREP FOR NEW CONSTRUCTION/FINISH.  |
| 16 | REMOVE EXISTING CONCRETE FLOOR SLAB IN ITS ENTIRETY TO LIMITS INDICATED. REFERENCE S-SERIES DRAWINGS FOR ADDITIONAL INFORMATION. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND EXISTING BUILDING CONDITIONS IN THE FIELD.   |
| 17 | REMOVE EXISTING CORRIDOR LOCKERS, ASSOCIATED CONCRETE BASE AND BULKHEAD WALL FRAMING.  |
| 18 | REMOVE EXISTING OVERHEAD DOOR IN ITS ENTIRETY INCLUDING BUT NOT LIMITED TO ALL HARDWARE AND ACCESSORIES. PATCH AND REPAIR ADJACENT EXPOSED SURFACES TO RECEIVE NEW WORK.   |
| 19 | REMOVE EXISTING CURTAIN WALL COMPLETE. PATCH AND REPAIR EXISTING SURFACES TO REMAIN AND PREP FOR NEW CONSTRUCTION/FINISH.  |
| 20 | REMOVE EXISTING "COURT YARD" AMENITIES COMPLETELY INCLUDING BUT NOT LIMITED TO PAVERS, BENCHES AND PLANTINGS. REMOVE AND PREP FOR NEW CONSTRUCTION COORDINATE NEW LOCATION WITH OWNER.   |
| 21 | REMOVE ALL EXISTING STAGE CURTAINS, TRACKS AND RIGGING COMPLETE. PATCH AND REPAIR EXISTING SURFACES TO REMAIN AND PREP FOR NEW CONSTRUCTION/FINISH.  |
| 22 | REMOVE EXISTING STAIR IN ITS ENTIRETY INCLUDING, BUT NOT LIMITED TO TREADS, RISERS, RAILINGS, ETC.   |
| 23 | REMOVE EXISTING STARTING BLOCKS. PREP AND REPAIR ADJACENT AREAS TO REMAIN FOR NEW CONSTRUCTION AND STARTING BLOCKS BASE AND DECK DRAIN TRIM IN ITS ENTIRETY. PREP AND REPAIR ADJACENT AREAS FOR CONSTRUCTION/FINISH.   |
| 24 | REMOVE EXISTING CERAMIC 1X1 TILE POOL DECK IN ITS ENTIRETY INCLUDING, BUT NOT LIMITED TO THE CERAMIC TILE, DRAIN COVERS, GROUT, ADHESIVE AND RELATED WALL BASE. PATCH AND REPAIR EXISTING FLOOR SLAB AND WALL SURFACE FOR NEW CONSTRUCTION/FINISH.   |
| 25 | REMOVE EXISTING TERRAZZO FLOORING SYSTEM IN ITS ENTIRETY INCLUDING, BUT NOT LIMITED TO THE TERRAZZO, TERRAZZO BASE, MORTAR BASE AND ALL RELATED TRIMS/THRESHOLS DOWN TO EXISTING CONCRETE FLOOR SLAB. PREP EXISTING SURFACES TO REMAIN FOR NEW CONSTRUCTION.   |
| 26 | REMOVE EXISTING RESILIENT TILE FLOOR FINISH AND ASSOCIATED BASE INCLUDING ADHESIVES IN THEIR ENTIRETY. PREPARE AREA TO RECEIVE NEW CONSTRUCTION. PATCH AND REPAIR EXISTING SURFACES TO REMAIN.   |
| 27 | REMOVE EXISTING DIVING BOARD, AND METAL FRAME COMPLETE. PREP FOR NEW DIVING BOARD AND FRAME.   |
| 28 | REMOVE EXISTING TOILET PARTITIONS AND URINAL PARTITIONS IN THEIR ENTIRETY. PATCH AND REPAIR EXISTING SURFACES TO REMAIN AND PREP FOR NEW CONSTRUCTION/FINISH.  |
| 29 | REMOVE EXISTING CONCRETE STEP, KNEE WALL AND FINISH IN ITS ENTIRETY. PATCH AND REPAIR ADJACENT SURFACES FOR NEW CONSTRUCTION.  |
| 30 | REMOVE EXISTING ATHLETIC LOCKERS IN THEIR ENTIRETY INCLUDING, BUT NOT LIMITED TO THE LOCKERS, TRIMS, SLOPPED TOPS, CURB AND ALL ASSOCIATED ANCHORS TO LIMITS INDICATED. PATCH AND REPAIR EXISTING FLOOR SURFACES AND PREP FOR NEW CONSTRUCTION/ FINISH.  |
| 31 | REMOVE EXISTING CORRIDOR GATE IN ITS ENTIRETY. PATCH AND REPAIR ADJACENT SURFACES FOR NEW CONSTRUCTION FINISH.   |
| 32 | REMOVE EXISTING EXTERIOR CANOPY IN ITS ENTIRETY. PATCH AND REPAIR ADJACENT SURFACES FOR NEW CONSTRUCTION FINISH.   |
| 33 | REMOVE EXISTING TIERED FLOOR IN ITS ENTIRETY. PATCH AND REPAIR ADJACENT SURFACES FOR NEW CONSTRUCTION FINISH.  |
| 34 | REMOVE EXISTING GYPSUM BOARD CEILING SYSTEM IN ITS ENTIRETY INCLUDING, BUT NOT LIMITED TO THE GYPSUM BOARD, SUSPENDED FRAMING AND ALL RELATED ANCHORS/FASTENERS. PATCH AND REPAIR EXISTING SURFACES TO REMAIN AND PREP FOR NEW CONSTRUCTION/FINISH.  |
| 35 | REPLACE DAMAGED CEILING TILES AS REQUIRED.   |
| 36 | REMOVE EXISTING WALL MOUNTED TABLES IN THEIR ENTIRETY.   |
| 37 | CAREFULLY REMOVE EXISTING FIRE EXTINGUISHER CABINET. REINSTALL IN NEW LOCATION.  |
| 38 | REMOVE EXISTING MECHANICAL EQUIPMENT IN ITS ENTIRETY. PATCH AND REPAIR EXISTING SURFACES FOR NEW CONSTRUCTION/FINISH. REFERENCE M-SERIES DWGS FOR EXISTING SURFACES FOR NEW CONSTRUCTION/FINISH.   |
| 39 | REMOVE EXISTING STAIR AND LANDING IN ITS ENTIRETY. PATCH AND REPAIR EXISTING SURFACES FOR NEW CONSTRUCTION/FINISH.   |
| 40 | REMOVE EXISTING WALL PADDING IN ITS ENTIRETY INCLUDING THE PADDING AND ALL RELATED ADHESIVES. PREP EXISTING WALL SURFACE FOR NEW FINISH. SEE S-SERIES DRAWINGS FOR NEW FINISH.   |
| 41 | REMOVE EXISTING WALL BASE INCLUDING ADHESIVES IN THEIR ENTIRETY. PREPARE AREA TO RECEIVE NEW CONSTRUCTION. PATCH AND REPAIR EXISTING SURFACES TO REMAIN.   |
| 42 | DEMO HOUSE KEEPING PAD IN ITS ENTIRETY. PATCH AND REPAIR ADJACENT SURFACES FOR NEW CONSTRUCTION.   |
| 43 | REMOVE DISPLAY CASE IN ITS ENTIRETY INCLUDING BUT NOT LIMITED TO GLAZINGS, SHELVING. PREP AREA TO RECEIVE NEW CONSTRUCTION.  |
| 44 | REMOVAL OF EXISTING FLOOR CARPET, ASSOCIATED BASE, FLOOR TILE, AND ALL ASSOCIATED ADHESIVES IN THEIR ENTIRETY BY OTHERS.   |
| 45 | REMOVAL OF EXISTING FLOOR TILE, ASSOCIATED WALL BASE, AND ALL ASSOCIATED ADHESIVES IN THEIR ENTIRETY BY OTHERS.  |
| 46 | REMOVAL OF EXISTING WINDOW SYSTEM IN ITS ENTIRETY INCLUDING, BUT NOT LIMITED TO THE GLAZING, SPANDREL PANELS, WINDOW FRAME, SEALANTS, AND ALL RELATED ANCHORS - BY OWNER. PATCH AND REPAIR ADJACENT SURFACES TO REMAIN AND PREP FOR NEW CONSTRUCTION / FINISH.   |

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415 Massachusetts Ave., Indianapolis, IN 46204  
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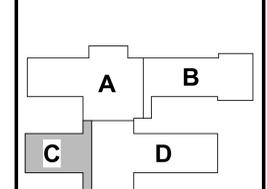
Project No. 2022-086.TGR  
Project Date 08.29.2023  
Produced TE MP

Sarah K. Hempstead  
ARCHITECT

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#	Revision	Date
A2	Addendum #2	09.19.2023

4223 W 350 N  
Kokomo, IN 46901



**KEY PLAN**

**NORTHWESTERN SCHOOL CORPORATION**

**NORTHWESTERN ELEMENTARY SCHOOL**

FIRST FLOOR DEMOLITION PLAN - UNIT C  
**1-AD1C1**

6

5

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2

1

DEMOLITION FLOOR PLAN NOTES	
#	NOTE
1	REMOVE EXISTING EXTERIOR WALL CONSTRUCTION TO 8" BELOW FINISH FLOOR LINE IN ITS ENTIRETY INCLUDING. REMOVE ALL DOORS, FRAMES, WINDOWS AND MISCELLANEOUS FRAMING IN ITS ENTIRETY. PROTECT ALL EXISTING STRUCTURAL MEMBERS TO REMAIN. PREPARE ADJACENT SURFACES TO REMAIN FOR NEW WORK. REFERENCE A-SERIES AND I-SERIES FLOOR PLANS FOR FINISH CONDITIONS. REFER TO SECTIONS FOR FURTHER DEFINITION OF DEMOLITION WORK.
2	REMOVE EXISTING INTERIOR WALL CONSTRUCTION IN ITS ENTIRETY TO LIMITS INDICATED INCLUDING, BUT NOT LIMITED TO DOORS, FRAMES, WINDOWS AND ALL MISCELLANEOUS FRAMING. FIELD VERIFY ALL EXISTING WALL CONSTRUCTION PRIOR TO DEMOLITION. REFER TO ARCHITECTURAL AND INTERIOR FLOOR PLANS FOR FINISH CONDITIONS AND DIMENSIONS. NEW CONSTRUCTION TO TOOTH-IN TO EXISTING MASONRY COURSING WHERE APPLICABLE. PATCH AND REPAIR EXISTING ADJACENT SURFACES TO REMAIN AND PREP FOR NEW CONSTRUCTION.
3	REMOVE EXISTING ALUMINUM OR HOLLOW METAL STOREFRONT ENTRANCE SYSTEM IN ITS ENTIRETY, INCLUDING BUT NOT LIMITED TO ALL GLAZING, FRAMING, SEALANTS, DOORS, HARDWARE AND ACCESSORIES. PATCH AND REPAIR ADJACENT AND EXPOSED SURFACES.
4	REMOVE EXISTING DOORS AND ASSOCIATED FRAME. PREPARE OPENING TO RECEIVE NEW CONSTRUCTION.
5	REMOVE EXISTING SUSPENDED LAY-IN PANEL CEILING SYSTEM IN ITS ENTIRETY INCLUDING, BUT NOT LIMITED TO THE CEILING PADS, GRID, SUSPENSION WIRES, AND ALL RELATED ANCHORS. PATCH AND REPAIR EXISTING SURFACES TO REMAIN AND PREP FOR NEW CONSTRUCTION/FINISH. REMOVE EXISTING GYPSUM BOARD CEILING ASSEMBLY COMPLETE LOCATED ABOVE EXISTING LAY-IN CEILING.
6	REMOVE EXISTING PLUMBING FIXTURES. REFER TO P-SERIES DRAWINGS. PATCH AND REPAIR EXISTING SURFACES TO REMAIN, INCLUDING BUT NOT LIMITED TO SLAB AND WALLS.
7	REMOVE EXISTING WALL AS REQUIRED FOR NEW WINDOW/DOOR OPENING. REMOVE ONLY AS REQUIRED FOR INSTALLATION OF NEW WINDOW/DOOR AND TOOTH IN EXISTING MASONRY. PROVIDE NEW STEEL LINTEL AT NEW OPENING REFERENCE S-SERIES FOR LINTEL SIZE.
8	REMOVE EXISTING WINDOW SYSTEM IN ITS ENTIRETY INCLUDING, BUT NOT LIMITED TO THE GLAZING, SPANDREL PANELS, WINDOW FRAME, SEALANTS, AND ALL RELATED ANCHORS. PATCH AND REPAIR ADJACENT SURFACES TO REMAIN AND PREP FOR NEW CONSTRUCTION/FINISH.

DEMOLITION FLOOR PLAN NOTES	
#	NOTE
9	REMOVE EXISTING FLOOR CARPET AND ASSOCIATED BASE INCLUDING ADHESIVES IN THEIR ENTIRETY. PREPARE AREA TO RECEIVE NEW CONSTRUCTION. PATCH AND REPAIR EXISTING SURFACES TO REMAIN.
10	REMOVE EXISTING QUARRY/PORCELAIN TILE FLOOR AND BASE. PREP SLAB FOR INFILL TO NEW FINISH FLOOR ELEVATION AND NEW FLOOR FINISH.
11	REMOVE EXISTING WALL OR CEILING MOUNTED ITEMS INCLUDING MARKER BOARDS/STRIPS, PAPER TOWEL HOLDERS, SHELVES, HOOKS, SHELVING, TELEVISIONS/BRACKETS, ETC. AS REQUIRED. PATCH WALLS TO REMAIN AS REQUIRED TO MATCH ADJACENT SURFACES. PREPARE FOR NEW WALL FINISH.
12	REMOVE EXISTING CERAMIC TILE FLOORING IN ITS ENTIRETY INCLUDING, BUT NOT LIMITED TO THE CERAMIC TILE, GROUT, ADHESIVE AND RELATED WALL BASE. PATCH AND REPAIR EXISTING FLOOR SLAB AND WALL SURFACE FOR NEW CONSTRUCTION/FINISH.
13	REMOVE EXISTING CASEWORK OR MILLWORK IN ITS ENTIRETY, INCLUDING BUT NOT LIMITED TO ALL HARDWARE AND ACCESSORIES. PATCH AND REPAIR ADJACENT AND EXPOSED SURFACES TO RECEIVE NEW WORK.
14	REMOVE EXISTING BULKHEAD, ABANDONED MECHANICAL DUCTWORK, AND ACCORDION DOOR, INCLUDING, BUT NOT LIMITED TO HARDWARE, TRACK, AND ASSOCIATED ACCESSORIES. PATCH AND REPAIR EXISTING ADJACENT SURFACES TO REMAIN AND PREP FOR NEW CONSTRUCTION/FINISH.
15	REMOVE EXISTING IN-GROUND LIFT SYSTEM. PATCH AND REPAIR EXISTING SURFACES TO REMAIN AND PREP FOR NEW CONSTRUCTION/FINISH.
16	REMOVE EXISTING CONCRETE FLOOR SLAB IN ITS ENTIRETY TO LIMITS INDICATED. REFERENCE S-SERIES DRAWINGS FOR ADDITIONAL INFORMATION. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND EXISTING BUILDING CONDITIONS IN THE FIELD.
17	REMOVE EXISTING CORRIDOR LOCKERS, ASSOCIATED CONCRETE BASE AND BULKHEAD/WALL FRAMING.
18	REMOVE EXISTING OVERHEAD DOOR IN ITS ENTIRETY, INCLUDING BUT NOT LIMITED TO ALL HARDWARE AND ACCESSORIES. PATCH AND REPAIR ADJACENT EXPOSED SURFACES TO RECEIVE NEW WORK.
19	REMOVE EXISTING CURTAIN WALL COMPLETE. PATCH AND REPAIR EXISTING SURFACES TO REMAIN AND PREP FOR NEW CONSTRUCTION/FINISH.

DEMOLITION FLOOR PLAN NOTES	
#	NOTE
20	REMOVE EXISTING "COURT YARD" AMENITIES COMPLETELY INCLUDING, BUT NOT LIMITED TO PAVERS, BENCHES, AND PLANTINGS. REMOVE AND PREP FOR NEW CONSTRUCTION. COORDINATE NEW LOCATION WITH OWNER.
21	REMOVE ALL EXISTING STAGE CURTAINS, TRACKS AND RIGGING COMPLETE. PATCH AND REPAIR EXISTING SURFACES TO REMAIN AND PREP FOR NEW CONSTRUCTION/FINISH.
22	REMOVE EXISTING STAIR IN ITS ENTIRETY INCLUDING, BUT NOT LIMITED TO TREADS, RISERS, RAILINGS, ETC.
23	REMOVE EXISTING STARTING BLOCKS. PREP AND REPAIR ADJACENT AREAS TO REMAIN FOR NEW CONSTRUCTION AND STARTING BLOCKS, BASE AND DECK DRAIN TRIM IN ITS ENTIRETY. PREP AND REPAIR ADJACENT AREAS FOR CONSTRUCTION/FINISH.
24	REMOVE EXISTING CERAMIC TILE POOL DECK IN ITS ENTIRETY INCLUDING, BUT NOT LIMITED TO THE CERAMIC TILE, DRAIN COVERS, GROUT, ADHESIVE AND RELATED WALL BASE. PATCH AND REPAIR EXISTING FLOOR SLAB AND WALL SURFACE FOR NEW CONSTRUCTION/FINISH.
25	REMOVE EXISTING TERRAZZO FLOORING SYSTEM IN ITS ENTIRETY INCLUDING, BUT NOT LIMITED TO THE TERRAZZO, TERRAZZO BASE, MORTAR BASE AND ALL RELATED TRIMS/THRESHOLDS DOWN TO EXISTING CONCRETE FLOOR SLAB. PREP EXISTING SURFACES TO REMAIN FOR NEW CONSTRUCTION.
26	REMOVE EXISTING RESILIENT TILE FLOOR FINISH AND ASSOCIATED BASE INCLUDING ADHESIVES IN THEIR ENTIRETY. PREPARE AREA TO RECEIVE NEW CONSTRUCTION. PATCH AND REPAIR EXISTING SURFACES TO REMAIN.
27	REMOVE EXISTING DIVING BOARD, AND METAL FRAME COMPLETE. PREP FOR NEW DIVING BOARD AND FRAME.
28	REMOVE EXISTING TOILET PARTITIONS AND URINAL PARTITIONS IN THEIR ENTIRETY. PATCH AND REPAIR EXISTING SURFACES TO REMAIN AND PREP FOR NEW CONSTRUCTION/FINISH.
29	REMOVE EXISTING CONCRETE STEP, KNEE WALL AND FINISH IN ITS ENTIRETY. PATCH AND REPAIR ADJACENT SURFACES FOR NEW CONSTRUCTION.

DEMOLITION FLOOR PLAN NOTES	
#	NOTE
30	REMOVE EXISTING ATHLETIC LOCKERS IN THEIR ENTIRETY INCLUDING, BUT NOT LIMITED TO THE LOCKERS, TRIMS, SLOPPED TOPS, CURB AND ALL ASSOCIATED ANCHORS TO LIMITS INDICATED. PATCH AND REPAIR EXISTING FLOOR SURFACES AND PREP FOR NEW CONSTRUCTION/FINISH.
31	REMOVE EXISTING CORRIDOR GATE IN ITS ENTIRETY. PATCH AND REPAIR ADJACENT SURFACES FOR NEW CONSTRUCTION/FINISH.
32	REMOVE EXISTING EXTERIOR CANOPY IN ITS ENTIRETY. PATCH AND REPAIR ADJACENT SURFACES FOR NEW CONSTRUCTION/FINISH.
33	REMOVE EXISTING TIERED FLOOR IN ITS ENTIRETY. PATCH AND REPAIR ADJACENT SURFACES FOR NEW CONSTRUCTION/FINISH.
34	REMOVE EXISTING GYPSUM BOARD CEILING SYSTEM IN ITS ENTIRETY INCLUDING, BUT NOT LIMITED TO THE GYPSUM BOARD, SUSPENDED FRAMING AND ALL RELATED ANCHORS/FASTENERS. PATCH AND REPAIR EXISTING SURFACES TO REMAIN AND PREP FOR NEW CONSTRUCTION/FINISH.
35	REPLACE DAMAGED CEILING TILES AS REQUIRED.
36	REMOVE EXISTING WALL MOUNTED TABLES IN THEIR ENTIRETY.
37	CAREFULLY REMOVE EXISTING FIRE EXTINGUISHER CABINET. REINSTALL IN NEW LOCATION.
38	REMOVE EXISTING MECHANICAL EQUIPMENT IN ITS ENTIRETY. PATCH AND REPAIR EXISTING SURFACES FOR NEW CONSTRUCTION/FINISH.
39	REMOVE EXISTING STAIR AND LANDING IN ITS ENTIRETY. PATCH AND REPAIR EXISTING SURFACES FOR NEW CONSTRUCTION/FINISH.
40	REMOVE EXISTING WALL PADDING IN ITS ENTIRETY INCLUDING THE PADDING AND ALL RELATED ADHESIVES. PREP EXISTING WALL SURFACE FOR NEW FINISH. SEE I-SERIES DRAWINGS FOR NEW FINISH.
41	REMOVE EXISTING WALL BASE INCLUDING ADHESIVES IN THEIR ENTIRETY. PREPARE AREA TO RECEIVE NEW CONSTRUCTION. PATCH AND REPAIR EXISTING SURFACES TO REMAIN.
42	DEMO HOUSE KEEPING PAD IN ITS ENTIRETY. PATCH AND REPAIR ADJACENT SURFACES FOR NEW CONSTRUCTION.
43	REMOVE DISPLAY CASE IN ITS ENTIRETY INCLUDING BUT NOT LIMITED TO GLAZINGS, SHELVING. PREP AREA TO RECEIVE NEW CONSTRUCTION.
44	REMOVAL OF EXISTING FLOOR CARPET, ASSOCIATED BASE, FLOOR TILE, AND ALL ASSOCIATED ADHESIVES IN THEIR ENTIRETY BY OTHERS.
45	REMOVAL OF EXISTING FLOOR TILE, ASSOCIATED WALL BASE, AND ALL ASSOCIATED ADHESIVES IN THEIR ENTIRETY BY OTHERS.
46	REMOVAL OF EXISTING WINDOW SYSTEM IN ITS ENTIRETY INCLUDING, BUT NOT LIMITED TO THE GLAZING, SPANDREL PANELS, WINDOW FRAME, SEALANTS, AND ALL RELATED ANCHORS - BY OWNER. PATCH AND REPAIR ADJACENT SURFACES TO REMAIN AND PREP FOR NEW CONSTRUCTION / FINISH.

**General Demolition Notes**

A. Contractor shall field-verify all existing conditions, dimensions, and arrangements.

B. Contractor is responsible for protection of all existing surfaces, materials, and components to remain or be relocated. Damage to these resulting from performance of Work shall be repaired by Contractor to satisfaction of Owner and Architect at no additional expense to Owner.

C. Contractor shall provide temporary dust protection as required to prevent construction debris and dust from migrating out of Project Area. Owner/Architect shall confirm all dust prevention measures/locations and shall determine changes to these measures.

D. All existing equipment and fixtures shall remain property of Owner. All reusable items salvaged during demolition operations shall be retained for Owner's inspection. Only items so inspected and rejected by Owner shall be disposed. All other items shall be turned over to Owner for disposition.

E. All existing surfaces located adjacent to, or exposed by demolition work and scheduled to receive new construction shall be patched and repaired as required to cleanly receive new work.

F. All existing surfaces located adjacent to, or exposed by demolition work and scheduled to remain exposed after completion of new const. shall be repaired and patched as required to receive new finishes.

G. Owner will be responsible for removal/rearrangement of all existing loose furnishings during construction, unless noted otherwise.

H. Refer to Mech./Elec. Drawings for additional patching and preparation work related to M.E.P. demolition items.

I. Existing sleeves, holes, and other penetrations or new damage of existing building structure above grade exposed by demolition and removal of piping, appurtenances, equipment shall be patched and repaired as part of the Work. Maintain fire ratings of all and adjacent construction affected.

J. Cap all piping to remain or abandoned in accordance with requirements of authority having jurisdiction and in accordance with all local and state plumbing and health codes. Utilize only pre-manufactured and approved fittings to cap existing piping.

K. Each Contractor is responsible for all demolition work required or noted for installation of new Work. Demolition may include associated distribution systems, appurtenances, equipment supporting controls, and miscellaneous supports, unless noted otherwise.

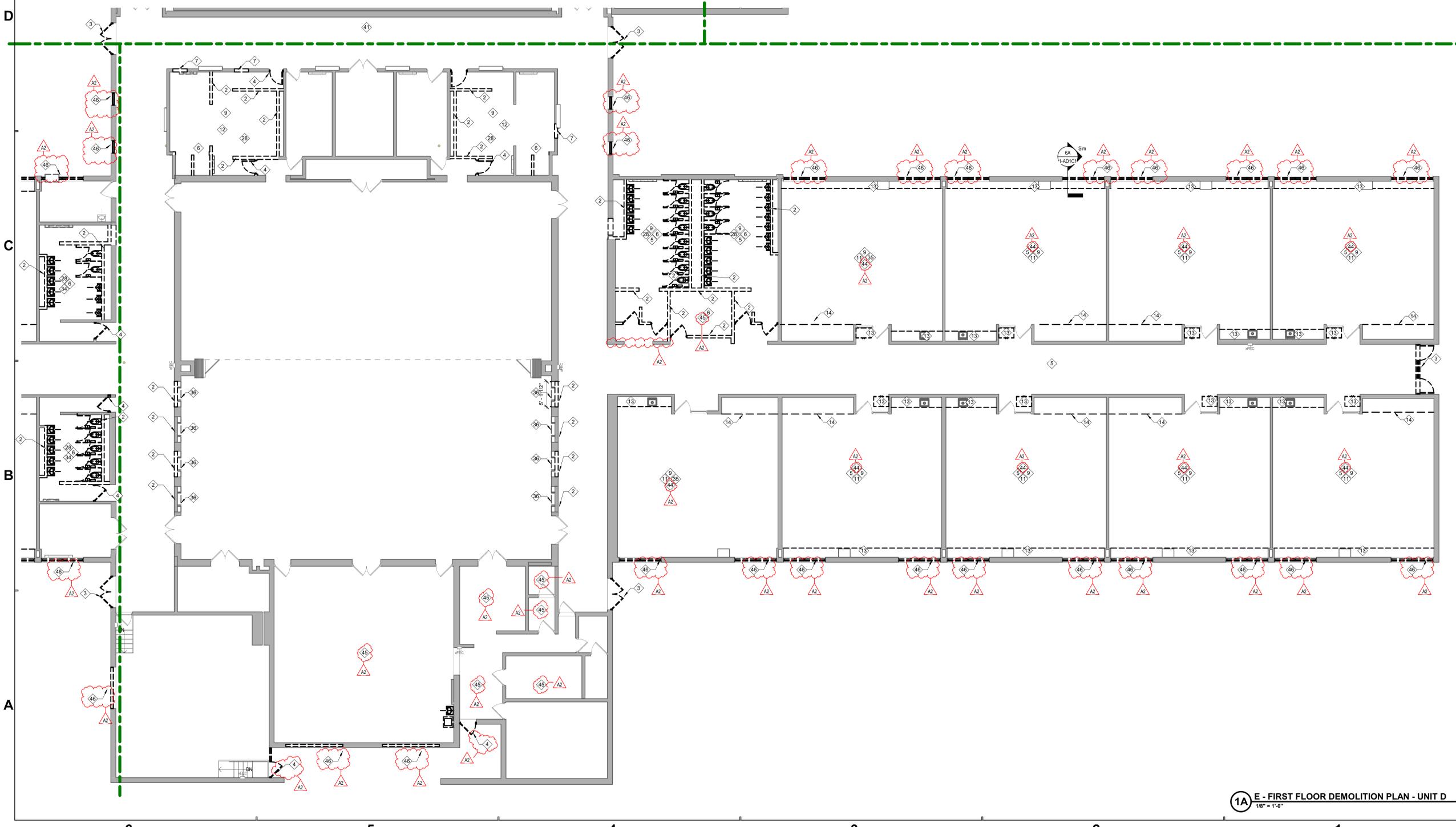
L. Coordinate all demolition with Project sequencing as directed by General Contractor or Construction Manager.



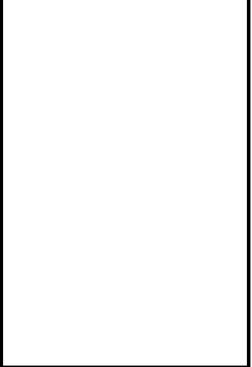
Project No. 2022-086.TGR  
 Project Date 08.29.2023  
 Produced by TE MP

STATE OF INDIANA ARCHITECT  
 Sarah K. Hempstead

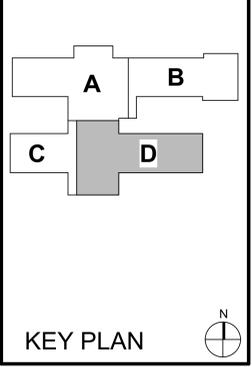
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#	Revision	Date
A2	Addendum #2	09.19.2023



4223 W 350 N  
 Kokomo, IN 46901



**NORTHWESTERN SCHOOL CORPORATION**

**NORTHWESTERN ELEMENTARY SCHOOL**

FIRST FLOOR DEMOLITION PLAN - UNIT D  
 1-AD1D1

1A E - FIRST FLOOR DEMOLITION PLAN - UNIT D  
 1/8" = 1'-0"

DATE: 08/29/2023 10:00 AM  
 DRAWING TITLE: NORTHWESTERN SCHOOL CORPORATION - DEMOLITION PLAN  
 PROJECT: 2022-086.TGR  
 SHEET: 1-AD1D1

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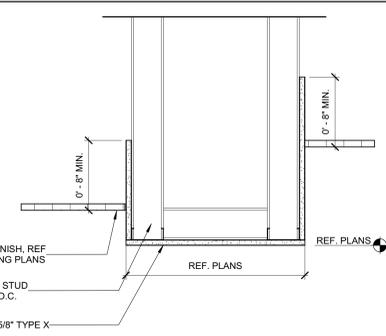
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**4E TYPICAL BULKHEAD DETAIL**  
 1/12\"/>

### REFLECTED CEILING PLAN LEGEND

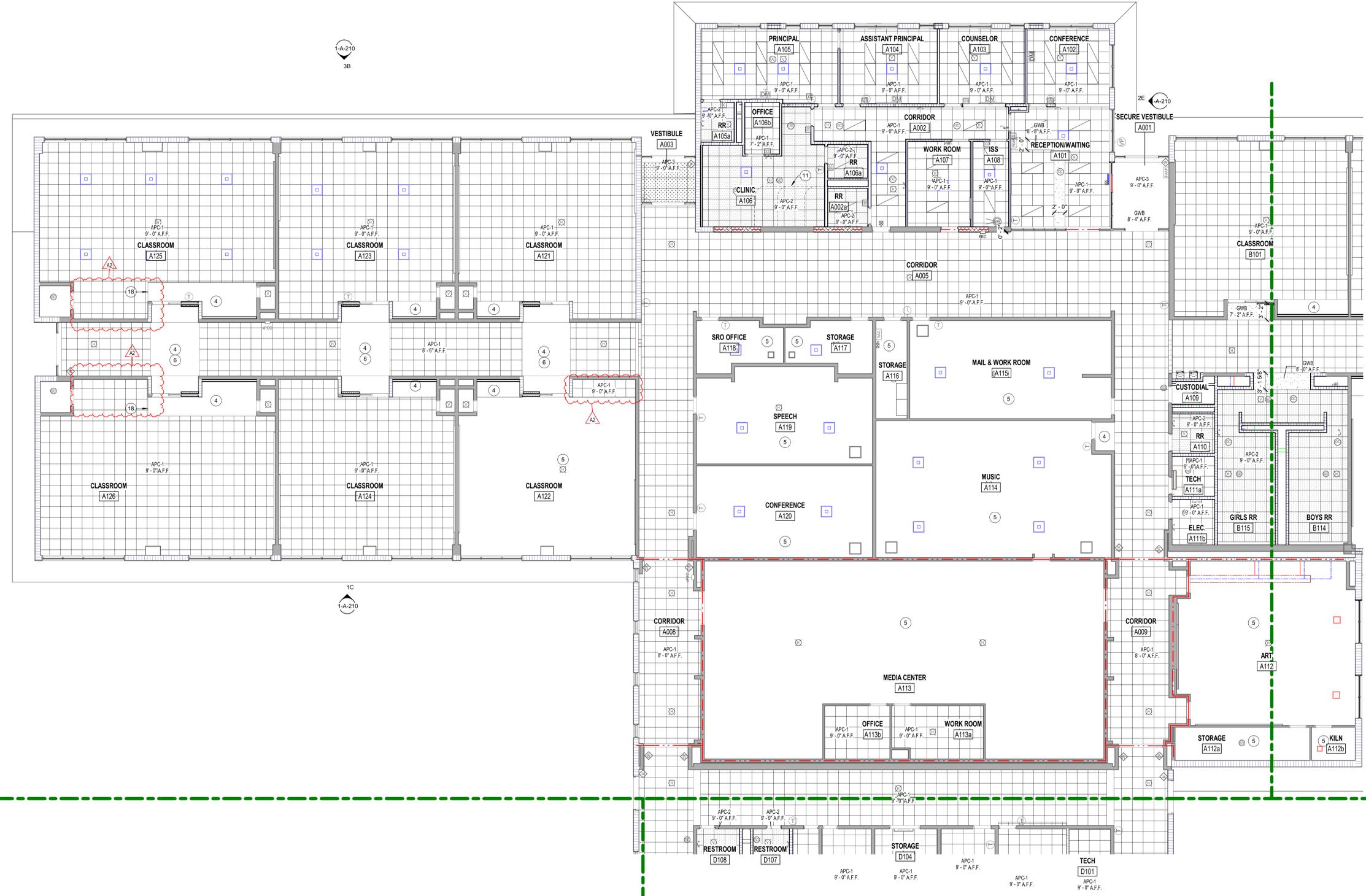
<b>APC-1</b>	2' X 2' Acoustical Panel Ceiling (09 51 13)	Light Fixture (Reference E-Series Dwg)	
<b>APC-2</b>	2' X 2' Washable Acoustical Panel Ceiling (09 51 13)	Return Air (Reference M-Series Dwg)	
<b>APC-3</b>	2' X 2' Humidity Resistant Acoustical Panel Ceiling (09 51 13)	Supply Air (Reference M-Series Dwg)	
<b>GWB</b>	5/8\"/>		
<b>APC-4</b>	ENDURA LINEAR DIRECT MOUNT CEILING (09 54 23)	Recessed Light Fixture Suspended Fixture in Areas with Exposed Ceilings (Reference E-Series Dwg)	
<b>Walls to Deck</b>		SOUND SYSTEM SPEAKER (Reference E-SERIES/T-SERIES DWGS)	

### General Refl. Ceiling Plan Notes

A. All ceilings are at 9'-0\"/>

### REFLECTED CEILING PLAN NOTES

#	NOTE
1	EXPOSED STRUCTURE AND DECK. PREP ALL EXPOSED STRUCTURE, DECK, PIPING, CONDUITS, AND DUCTWORK FOR NEW FINISH. REFERENCE I-SERIES DRAWINGS FOR FINISH.
2	09 51 13 - METAL EDGE TRIM FOR CEILING CLOUD, 8\"/>
3	10 73 16 - TRANSLUCENT CANOPY SYSTEM WITH MULLIONS 2-0\"/>
4	EXISTING BULKHEAD CEILING TO REMAIN
5	EXISTING CEILING TO REMAIN
6	PAINT BULKHEAD IN ITS ENTIRETY P-3 (PURPLE ACCENT).
7	PAINT CAFETERIA PERIMETER BULKHEADS IN THEIR ENTIRETY P-2 (GRAY ACCENT).
8	5/8\"/>
9	ELEVATOR SHAFT
10	VERTICAL UNIT VENTILATOR EXTENSION TO DECK. REFER TO M-SERIES DRAWINGS.
11	10 21 23 - CUBICLE CURTAIN TRACK.
12	07 24 13 - EIFS SOFFIT.
13	08 36 13 - BI-FOLD VERTICAL SECTIONAL DOOR.
14	INSTALL DUCTWORK AND PIPING AS HIGH AS POSSIBLE TO ALLOW CEILING TO BE INSTALLED AS HIGH AS POSSIBLE. CONFIRM CEILING HEIGHT WITH ARCHITECT PRIOR TO INSTALLATION OF NEW CEILING.
15	09 54 23 - ENDURA LINEAR DIRECT MOUNT CEILING - 6\"/>
16	REVEAL TO MATCH WIDTH / DEPTH OF ACCESS PANEL SPECIFICATIONS. PAINT REVEAL P-3 (PURPLE ACCENT).
17	08 31 13 - CEILING ACCESS PANEL 4'-8\"/>
18	PROVIDE NEW GYP BULKHEAD WALL TO CAP EXISTING BULKHEAD TO REMAIN.



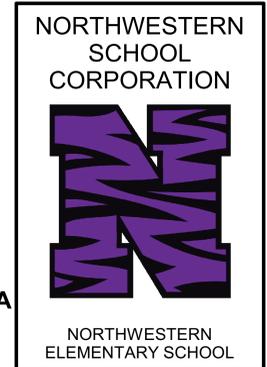
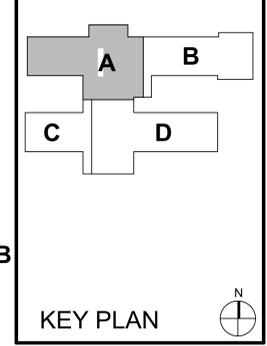
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Professional Seal: Sarah K. Hempstead, Registered Professional Engineer, No. AR10400134, State of Indiana, Architect.

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4223 W 350 N  
 Kokomo, IN 46901



FIRST FLOOR RCP - UNIT A

1-AC1A1

**1A E - FIRST FLOOR RCP - UNIT A**  
 1/8\"/>

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### General Refl. Ceiling Plan Notes

A. All ceilings are at 9'-0" AFF, unless noted otherwise.  
 B. All bulkheads are at 8'-10" AFF, unless noted otherwise.  
 C. All grids are centered in rooms, unless noted otherwise.  
 D. All exposed ductwork, piping etc. shall be painted. Color selected by Architect.  
 E. Locate sprinkler heads in center of ceiling panel - where applicable.

### REFLECTED CEILING PLAN LEGEND

<b>APC-1</b> 2' X 2' Acoustical Panel Ceiling (09 51 13)		Light Fixture (Reference E-Series Dwgs)	
<b>APC-2</b> 2' X 2' Washable Acoustical Panel Ceiling (09 51 13)		Return Air (Reference M-Series Dwgs)	
<b>APC-3</b> 2' X 2' Humidity Resistant Acoustical Panel Ceiling (09 51 13)		Supply Air (Reference M-Series Dwgs)	
<b>GWB</b> 5/8" GWB on Grid Suspension System (09 22 16)		Exit Light (Reference E-Series Dwgs)	
<b>APC-4</b> ENDURA LINEAR DIRECT MOUNT CEILING (09 54 23)		Recessed Light Fixture in Areas with Exposed Ceilings (Reference E-Series Dwgs)	
<b>Walls to Deck</b>		SOUND SYSTEM SPEAKER (REFERENCE E-SERIES-T-SERIES DWGS)	

### REFLECTED CEILING PLAN NOTES

#	NOTE
1	EXPOSED STRUCTURE AND DECK. PREP ALL EXPOSED STRUCTURE, DECK, PIPING, CONDUITS, AND DUCTWORK FOR NEW FINISH. REFERENCE I-SERIES DRAWINGS FOR FINISH.
2	09 51 13 - METAL EDGE TRIM FOR CEILING CLOUD, 8" HIGH.
3	10 73 16 - TRANSLUCENT CANOPY SYSTEM WITH MULLIONS 2'-0" O.C.
4	EXISTING BULKHEAD CEILING TO REMAIN
5	EXISTING CEILING TO REMAIN
6	PAINT BULKHEAD IN ITS ENTIRETY P-3 (PURPLE ACCENT).
7	PAINT CAFETERIA PARAMETER BULKHEADS IN THEIR ENTIRETY P-2 (GRAY ACCENT).
8	5/8" GWB CEILING ATTACHED TO 3-5/8" METAL STUD ATTACHED TO UNDERSIDE OF STAIR STRINGER.
9	ELEVATOR SHAFT
10	VERTICAL UNIT VENTILATOR EXTENSION TO DECK. REFER TO M-SERIES DRAWINGS.
11	10 21 23 - CUBICLE CURTAIN TRACK.
12	07 24 13 - EIFS SOFFIT.
13	08 38 13 - BLFOLD VERTICAL SECTIONAL DOOR
14	INSTALL DUCTWORK AND PIPING AS HIGH AS POSSIBLE TO ALLOW CEILING TO BE INSTALLED AS HIGH AS POSSIBLE. CONFIRM CEILING HEIGHT WITH ARCHITECT PRIOR TO INSTALLATION OF NEW CEILING.
15	09 54 23 - ENDURA LINEAR DIRECT MOUNT CEILING - 6" PERFORATED V-GROOVE WITH SOUND TEX SCRIM
16	REVEAL TO MATCH WIDTH / DEPTH OF ACCESS PANEL SPECIFICATIONS. PAINT REVEAL P-3 (PURPLE ACCENT)
17	08 31 13 - CEILING ACCESS PANEL 4'-8" X 1'-8". PAINT CEILING ACCESS PANELS WITH P-3 (PURPLE ACCENT)
18	PROVIDE NEW GYP BULKHEAD WALL TO CAP EXISTING BULKHEAD TO REMAIN



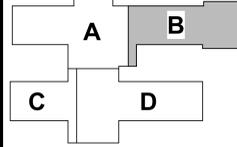
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4223 W 350 N  
 Kokomo, IN 46901



KEY PLAN

NORTHWESTERN SCHOOL CORPORATION



NORTHWESTERN ELEMENTARY SCHOOL

FIRST FLOOR RCP - UNIT B

1-AC1B1



1A E - FIRST FLOOR RCP - UNIT B  
 1/8" = 1'-0"

6 5 4 3 2 1

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6 5 4 3 2 1

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### REFLECTED CEILING PLAN NOTES

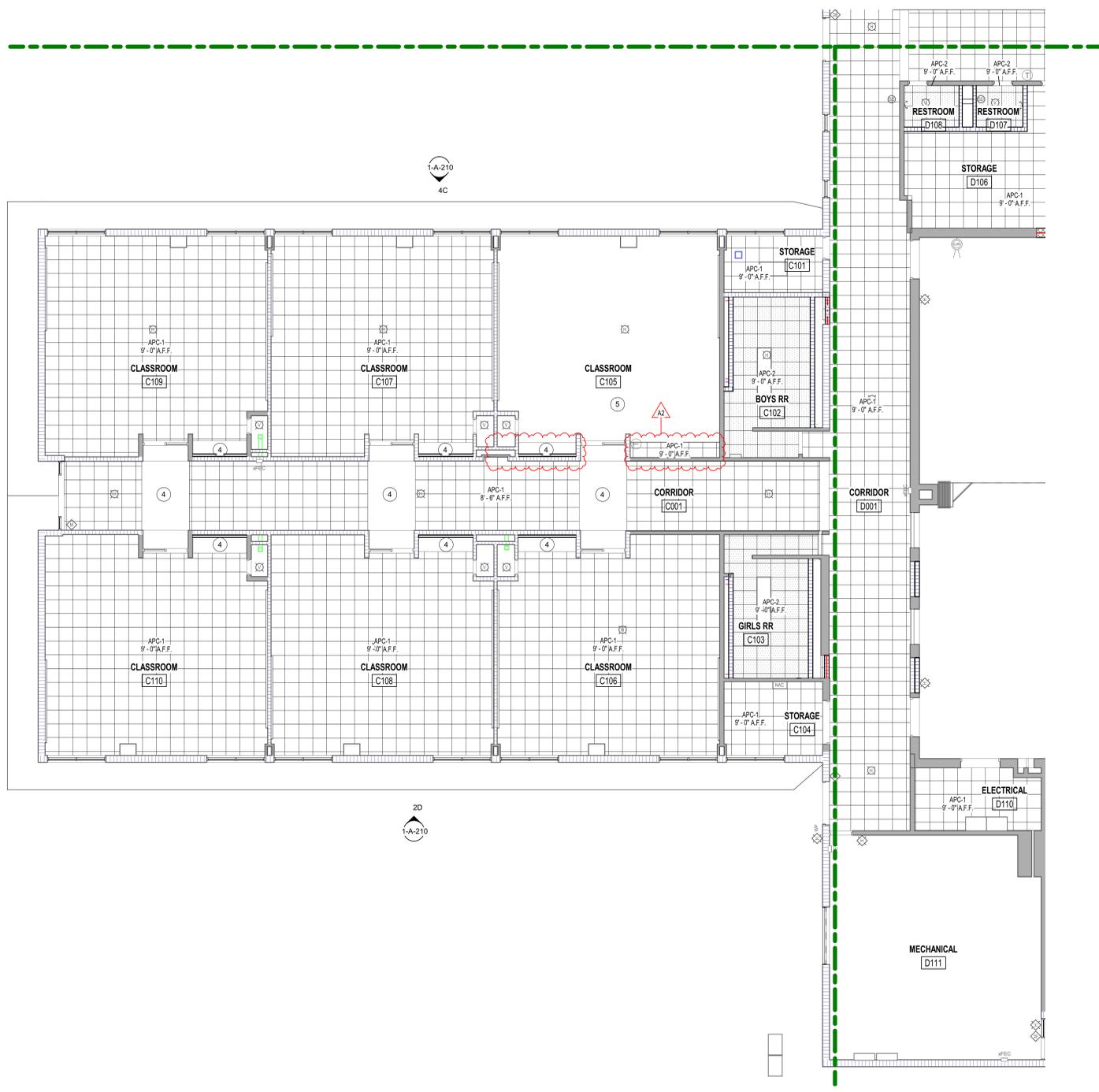
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2	09 51 13 - METAL EDGE TRIM FOR CEILING CLOUD, 8" HIGH.
3	10 73 16 - TRANSLUCENT CANOPY SYSTEM WITH MULLIONS 2'-0" O.C.
4	EXISTING BULKHEAD CEILING TO REMAIN
5	EXISTING CEILING TO REMAIN
6	PAINT BULKHEAD IN ITS ENTIRETY P-3 (PURPLE ACCENT).
7	PAINT CAFETERIA PERIMETER BULKHEADS IN THEIR ENTIRETY P-2 (GRAY ACCENT).
8	5/8" GWB CEILING ATTACHED TO 3-5/8" METAL STUD ATTACHED TO UNDERSIDE OF STAIR STRINGER.
9	ELEVATOR SHAFT
10	VERTICAL UNIT VENTILATOR EXTENSION TO DECK. REFER TO M-SERIES DRAWINGS.
11	10 21 23 - CUBICLE CURTAIN TRACK.
12	07 24 13 - EIFS SOFFIT.
13	08 06 13 - 9-FOLD VERTICAL SECTIONAL DOOR
14	INSTALL DUCTWORK AND PIPING AS HIGH AS POSSIBLE TO ALLOW CEILING TO BE INSTALLED AS HIGH AS POSSIBLE. CONFIRM CEILING HEIGHT WITH ARCHITECT PRIOR TO INSTALLATION OF NEW CEILING.
15	09 54 23 - ENDURA LINEAR DIRECT MOUNT CEILING - 6" PERFORATED V-GROOVE WITH SOUND TEX SCRIM
16	REVEAL TO MATCH WIDTH / DEPTH OF ACCESS PANEL SPECIFICATIONS. PAINT REVEAL P-3 (PURPLE ACCENT).
17	08 31 13 - CEILING ACCESS PANEL 4'-8" X 1'-8". PAINT CEILING ACCESS PANELS WITH P-3 (PURPLE ACCENT)
18	PROVIDE NEW GYP BULKHEAD WALL TO CAP EXISTING BULKHEAD TO REMAIN.

### REFLECTED CEILING PLAN LEGEND

APC-1	2' X 2' Acoustical Panel Ceiling (09 51 13)	Light Fixture (Reference E-Series Dwgs)
APC-2	2' X 2' Washable Acoustical Panel Ceiling (09 51 13)	Return Air (Reference M-Series Dwgs)
APC-3	2' X 2' Humidity Resistant Acoustical Panel Ceiling (09 51 13)	Supply Air (Reference M-Series Dwgs)
GWB	5/8" GWB on Grid Suspension System (09 22 16)	Exit Light (Reference E-Series Dwgs)
APC-4	ENDURA LINEAR DIRECT MOUNT CEILING (09 54 23)	Recessed Light Fixture Suspended Fixture in Areas with Exposed Ceilings (Reference E-Series Dwgs)
Walls to Deck		SOUND SYSTEM SPEAKER (REFERENCE E-SERIES/T-SERIES DWGS)

### General Refl. Ceiling Plan Notes

A. All ceilings are at 9'-0" AFF, unless noted otherwise.  
 B. All bulkheads are at 8'-10" AFF, unless noted otherwise.  
 C. All grids are centered in rooms, unless noted otherwise.  
 D. All exposed ductwork, piping etc. shall be painted. Color selected by Architect.  
 E. Locate sprinkler heads in center of ceiling panel - where applicable.



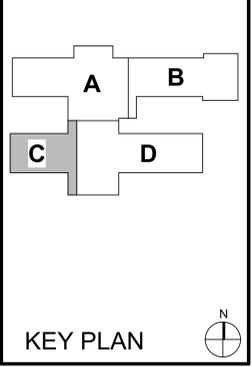
Project No. 2022-086.TGR  
 Project Date 08.29.2023  
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#	Revision	Date
A2	Addendum #2	09.19.2023

4223 W 350 N  
 Kokomo, IN 46901



FIRST FLOOR RCP - UNIT C

1-AC1C1

1A E - FIRST FLOOR RCP - UNIT C  
 1/8" = 1'-0"

6 5 4 3 2 1

ARCHITECT: SCHMIDT ASSOCIATES, INC.  
 415 MASSACHUSETTS AVENUE, INDIANAPOLIS, IN 46204  
 317.263.6226  
 schmidt-arch.com

6 5 4 3 2 1

E  
D  
C  
B  
A

#	NOTE
1	EXPOSED STRUCTURE AND DECK. PREP ALL EXPOSED STRUCTURE, DECK, PIPING, CONDUITS, AND DUCTWORK FOR NEW FINISH. REFERENCE I-SERIES DRAWINGS FOR FINISH.
2	09 51 13 - METAL EDGE TRIM FOR CEILING CLOUD, 8" HIGH.
3	10 73 16 - TRANSLUCENT CANOPY SYSTEM WITH MULLIONS 2'-0" O.C.
4	EXISTING BULKHEAD CEILING TO REMAIN
5	EXISTING CEILING TO REMAIN
6	PAINT BULKHEAD IN ITS ENTIRETY P-3 (PURPLE ACCENT).
7	PAINT CAFETERIA PERIMETER BULKHEADS IN THEIR ENTIRETY P-2 (GRAY ACCENT).
8	5/8" GWB CEILING ATTACHED TO 3-5/8" METAL STUD ATTACHED TO UNDERSIDE OF STAIR STRINGER.
9	ELEVATOR SHAFT
10	VERTICAL UNIT VENTILATOR EXTENSION TO DECK. REFER TO M-SERIES DRAWINGS.
11	10 21 23 - CURTICLE CURTAIN TRACK.
12	07 24 13 - EIFS SOFFIT.
13	08 36 13 - BI-FOLD VERTICAL SECTIONAL DOOR
14	INSTALL DUCTWORK AND PIPING AS HIGH AS POSSIBLE TO ALLOW CEILING TO BE INSTALLED AS HIGH AS POSSIBLE. CONFIRM CEILING HEIGHT WITH ARCHITECT PRIOR TO INSTALLATION OF NEW CEILING.
15	09 54 23 - ENDURA LINEAR DIRECT MOUNT CEILING - 6" PERFORATED V-GROOVE WITH SOUND TEX SCRIM
16	REVEAL TO MATCH WIDTH / DEPTH OF ACCESS PANEL SPECIFICATIONS. PAINT REVEAL P-3 (PURPLE ACCENT).
17	08 31 13 - CEILING ACCESS PANEL 4'-8" X 1'-8". PAINT CEILING ACCESS PANELS WITH P-3 (PURPLE ACCENT).
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General Refl. Ceiling Plan Notes	
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E.	Locate sprinkler heads in center of ceiling panel - where applicable.

REFLECTED CEILING PLAN LEGEND	
APC-1 2' X 2' Acoustical Panel Ceiling (09 51 13)	Light Fixture (Reference E-Series Dwg)
APC-2 2' X 2' Washable Acoustical Panel Ceiling (09 51 13)	Return Air (Reference M-Series Dwg)
APC-3 2' X 2' Humidity Resistant Acoustical Panel Ceiling (09 51 13)	Supply Air (Reference M-Series Dwg)
GWB 5/8" GWB on Grid Suspension System (09 22 16)	Exit Light (Reference E-Series Dwg)
APC-4 ENDURA LINEAR DIRECT MOUNT CEILING (09 54 23)	Recessed Light Fixture Suspended Fixture in Areas with Exposed Ceilings (Reference E-Series Dwg)
Walls to Deck	SOUND SYSTEM SPEAKER (REFERENCE E-SERIES/T-SERIES DWGS)



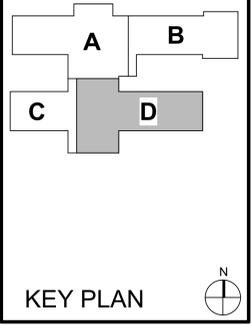
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#	Revision	Date
A2	Addendum #2	09.19.2023

4223 W 350 N  
 Kokomo, IN 46901



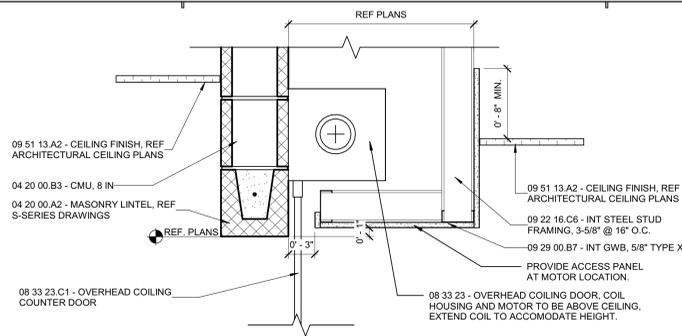
FIRST FLOOR RCP - UNIT D

1-AC1D1

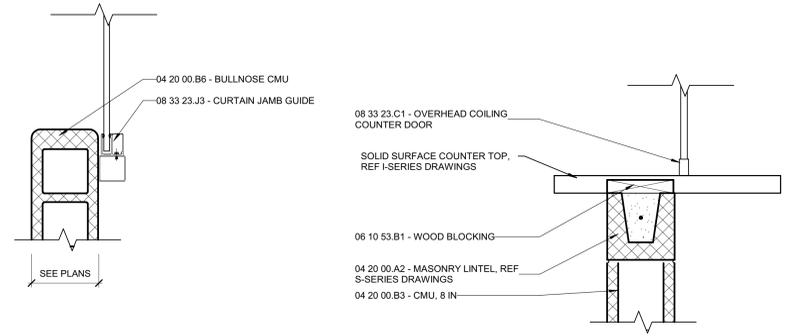
1A E - FIRST FLOOR RCP - UNIT D  
 1/8" = 1'-0"

6 5 4 3 2 1



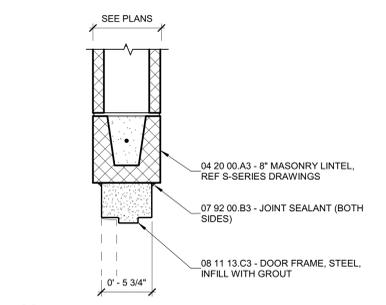


5E 1-COILING DOOR HEAD BULKHEAD  
1 1/2" = 1'-0"

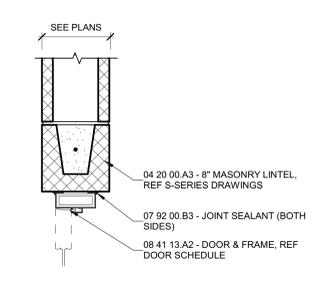


6D COILING DOOR JAMB  
1 1/2" = 1'-0"

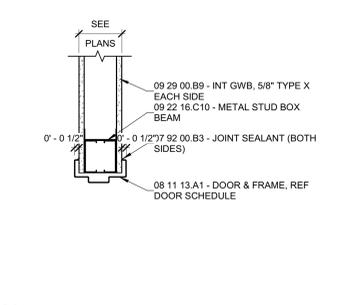
5D 1-COUNTER COILING DOOR SILL  
1 1/2" = 1'-0"



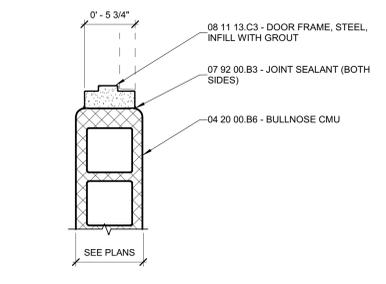
3E HEAD  
1 1/2" = 1'-0"



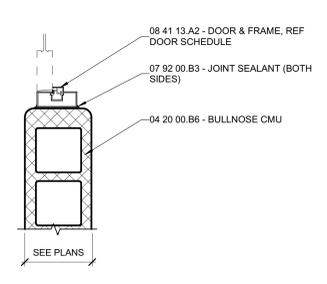
2E HEAD  
1 1/2" = 1'-0"



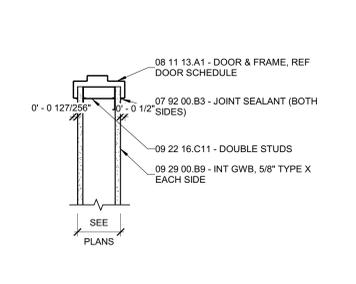
1E HEAD  
1 1/2" = 1'-0"



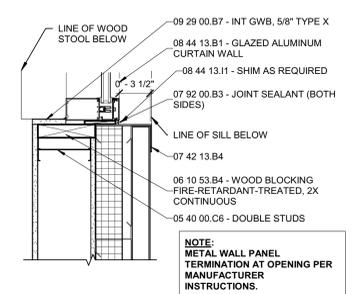
3D JAMB  
1 1/2" = 1'-0"



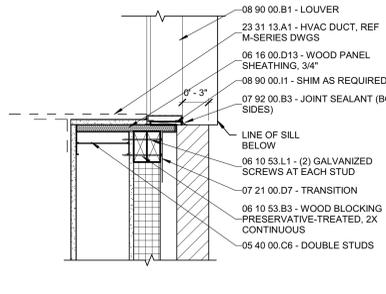
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1 1/2" = 1'-0"



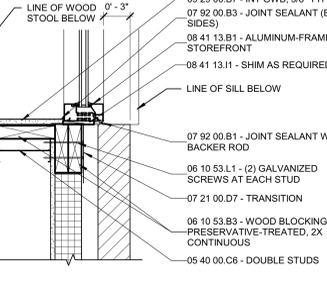
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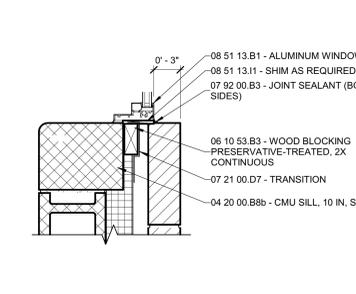
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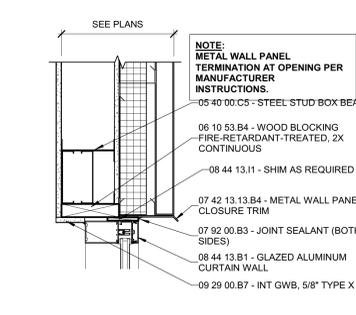
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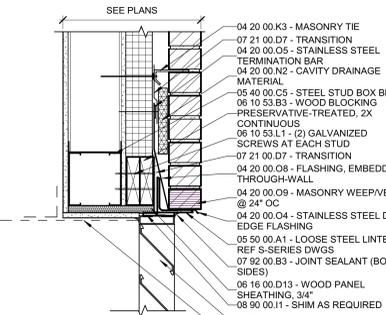
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1 1/2" = 1'-0"



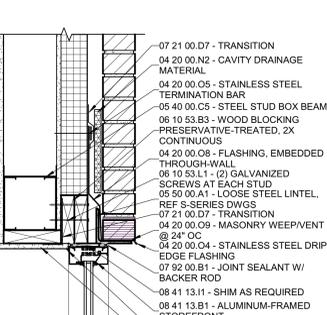
1C JAMB  
1 1/2" = 1'-0"



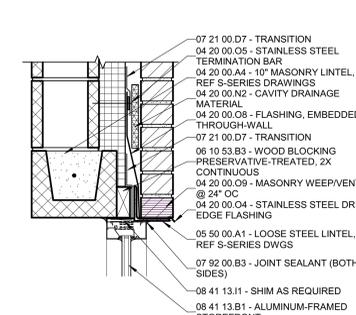
4B HEAD  
1 1/2" = 1'-0"



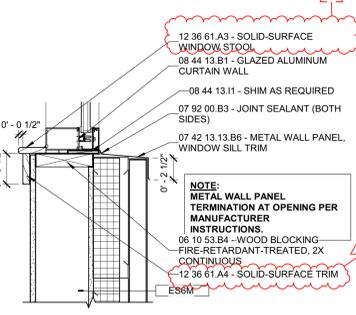
3B HEAD  
1 1/2" = 1'-0"



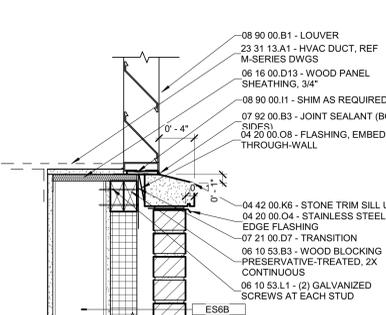
2B HEAD  
1 1/2" = 1'-0"



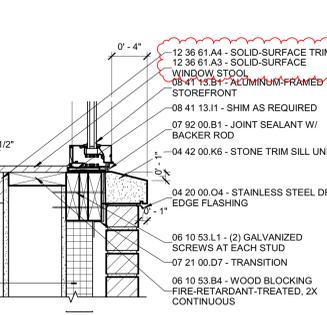
1B HEAD  
1 1/2" = 1'-0"



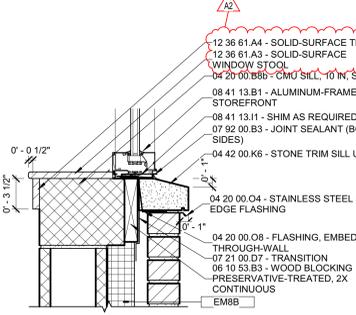
4A SILL  
1 1/2" = 1'-0"



3A SILL  
1 1/2" = 1'-0"



2A SILL  
1 1/2" = 1'-0"



1A SILL  
1 1/2" = 1'-0"

**SCHMIDT ASSOCIATES**  
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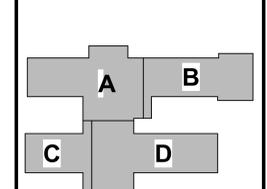
Project No. 2022-086.TGR  
Project Date 08.29.2023  
Produced TE MP

SARAH K. HEMPSTEAD  
REGISTERED PROFESSIONAL ENGINEER  
NO. IAR10400134  
STATE OF INDIANA  
ARCHITECT

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#	Revision	Date
A2	Addendum #2	09.19.2023

4223 W 350 N  
Kokomo, IN 46901



**KEY PLAN**

**NORTHWESTERN SCHOOL CORPORATION**

**NORTHWESTERN ELEMENTARY SCHOOL**

OPENING DETAILS

**GENERAL NOTES**

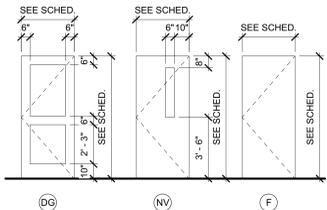
- A. This Door Schedule(s) is furnished for whatever assistance it may afford the Contractor. Do not consider it as entirely inclusive. Carefully examine the Drawings (especially the Floor Plans) and the Specifications to determine the extent of door and frame quantities required (including interior borrowed lite or sidelite openings). Should any particular door, frame, or interior borrowed lite or sidelite shown on the Drawings be inadvertently omitted from this Schedule, supply same as required for similar openings.
- B. The "QTY" column designates the number of leaves in the opening. The "Door Width" column designates the total width of all leaves. In multiple leaf conditions, the leaves shall equally divide the "Door Width" unless noted otherwise; however, the active leaf shall not be less than 3'-0" wide.
- C. Door Type "X" denotes a frame with no door such as a borrowed lite, reference Frame Elevations.
- D. An asterisk (\*) in a dimension denotes a width that varies, reference plans, elevations, details and schedules.
- E. Verify locksets with the Owner during submittals.

**ABBREVIATIONS**

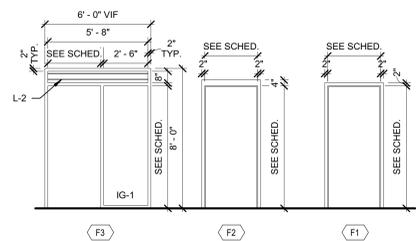
- AL Aluminum
- HM Hollow Metal
- ST Steel
- WD Wood
- TG Tempered Glazing
- IG Insulated Glazing
- LG Laminated Glazing
- FG Frosted Glazing
- SP Spandrel Panel

**DOOR & FRAME SCHEDULE NOTES**

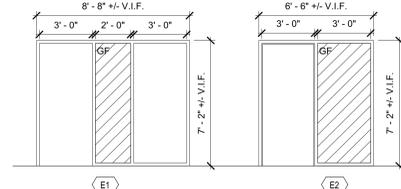
- 1. Existing door and frame to remain. New hardware only. Field verify all existing door and frame information as required for installation of new hardware.
- 2. New door/frame in existing masonry wall. Tooth in new masonry into existing as required.
- 3. Set door in frame to allow for 180° door swing.
- 4. Provide electrify door and provide card reader.



**5.4.602 - DOOR PANEL ELEVATIONS**  
1/4" = 1'-0"



**5.4.603 - FRAME ELEVATIONS-2**  
1/4" = 1'-0"

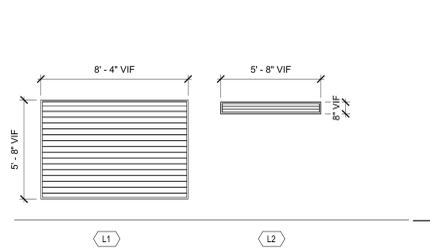


**5.4.603 - EXISTING HM FRAMES**  
1/4" = 1'-0"

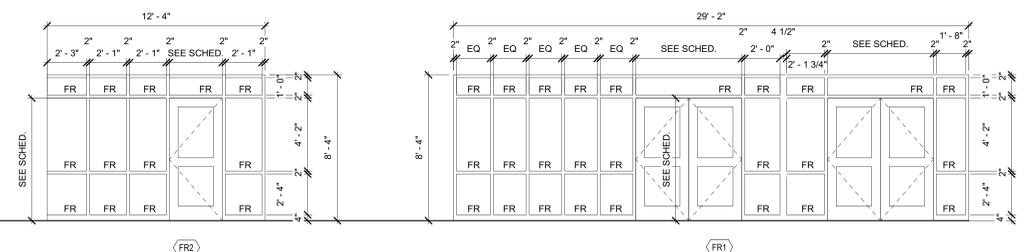
MARK	DOOR PANEL					FRAME					HDWR SET	NOTES	MARK
	TYPE	QTY	MATL	GLAZ	SIZE	MARK	MATL	GLAZ	LABEL				
A001.1	DG	2	AL	IG-1	7'-0"	6'-0"	0'-1 3/4"	SF12	AL	IG-1	20 Min	26.0	A001.1
A001.2	DG	2	ST	TG	7'-0"	6'-0"	0'-1 3/4"	FR1	ST	TG	20 Min	26.0	A001.2
A002	NV	1	WD	TG	6'-8"	3'-0"	0'-1 3/4"	F1	HM	--	--	36.1	A002
A002a	F	1	WD	--	7'-0"	3'-0"	0'-1 3/4"	F1	HM	--	--	58.0	A002a
A003.1	DG	2	AL	IG-1	7'-0"	6'-0"	0'-1 3/4"	SF12	AL	IG-1	20 Min	31.1	A003.1
A003.2	DG	2	AL	TG	7'-0"	6'-0"	0'-1 3/4"	SF12	AL	TG	20 Min	21.0	A003.2
A007	DG	2	AL	IG-1	7'-0"	6'-0"	0'-1 3/4"	SF12	AL	IG-1	20 Min	6.0	A007
A101.1	DG	1	ST	TG	7'-0"	3'-0"	0'-1 3/4"	FR2	ST	TG	20 Min	51.0	A101.1
A101.2	DG	2	ST	TG	7'-0"	6'-0"	0'-1 3/4"	FR1	ST	TG	20 Min	30.0	A101.2
A101.3	NV	1	WD	TG	7'-0"	3'-0"	0'-1 3/4"	F2	HM	--	--	31.0	A101.3
A102	NV	1	WD	TG	7'-0"	3'-0"	0'-1 3/4"	F2	HM	--	--	48.0	A102
A103	NV	1	WD	TG	7'-0"	3'-0"	0'-1 3/4"	F2	HM	--	--	48.0	A103
A104	NV	1	WD	--	7'-0"	3'-0"	0'-1 3/4"	F2	HM	--	--	48.0	A104
A104.1	F	1	WD	--	6'-8"	3'-0"	0'-1 3/4"	F2	HM	--	--	48.0	A104.1
A105	NV	1	WD	TG	7'-0"	3'-0"	0'-1 3/4"	F2	HM	--	--	48.0	A105
A105a	F	1	WD	--	7'-0"	3'-0"	0'-1 3/4"	F1	HM	--	--	56.0	A105a
A106	NV	1	WD	TG	7'-0"	3'-0"	0'-1 3/4"	F2	HM	--	--	48.0	A106
A106a	F	1	WD	--	7'-0"	3'-0"	0'-1 3/4"	F1	HM	--	--	56.0	A106a
A106b	NV	1	WD	TG	7'-0"	3'-0"	0'-1 3/4"	F2	HM	--	--	48.0	A106b
A107.1	NV	1	WD	TG	7'-0"	3'-0"	0'-1 3/4"	F2	HM	--	20 Min	59.0	A107.1
A107.2	NV	1	WD	TG	7'-0"	3'-0"	0'-1 3/4"	F2	HM	--	--	48.0	A107.2
A108	NV	1	WD	TG	7'-0"	3'-0"	0'-1 3/4"	F2	HM	--	--	48.0	A108
A109	F	1	WD	--	7'-0"	3'-0"	0'-1 3/4"	F2	HM	--	20 Min	42.0	A109
A110	F	1	WD	--	7'-0"	3'-0"	0'-1 3/4"	F2	HM	--	20 Min	57.0	A110
A111a	F	1	WD	--	6'-8"	3'-0"	0'-1 3/4"	F2	HM	--	20 Min	42.0	A111a
A111b	F	1	WD	--	6'-8"	3'-0"	0'-1 3/4"	F2	HM	--	20 Min	42.0	A111b
B003.1	DG	2	AL	IG-1	7'-0"	6'-0"	0'-1 3/4"	SF14	AL	IG-1	20 Min	3.1	B003.1
B003.2	DG	2	AL	IG-1	7'-0"	6'-0"	0'-1 3/4"	SF15	AL	IG-1	20 Min	3.1	B003.2
D001	DG	2	AL	IG-1	7'-0"	6'-0"	0'-1 3/4"	SF13	AL	IG-1	20 Min	6.0	D001
D001.1	DG	2	AL	IG-1	7'-0"	6'-0"	0'-1 3/4"	SF13	AL	IG-1	20 Min	6.0	D001.1
D001.2	DG	2	AL	IG-1	7'-0"	6'-0"	0'-1 3/4"	SF13	AL	IG-1	20 Min	6.0	D001.2
D001.3	DG	2	AL	IG-1	7'-0"	6'-0"	0'-1 3/4"	SF13	AL	IG-1	20 Min	3.1	D001.3
D001.4	DG	2	AL	IG-1	7'-0"	6'-0"	0'-1 3/4"	SF13	AL	IG-1	20 Min	3.1	D001.4
D002	DG	2	AL	IG-1	7'-0"	6'-0"	0'-1 3/4"	SF12	AL	IG-1	20 Min	3.1	D002
D101	F	1	WD	--	7'-0"	2'-6"	0'-1 3/4"	F1	HM	--	--	45.0	D101
D102	NV	1	WD	TG	7'-0"	3'-0"	0'-1 3/4"	F2	HM	--	--	54.0	D102
D106	F	1	WD	--	7'-0"	2'-6"	0'-1 3/4"	F1	HM	--	--	42.0	D106
D107	F	1	WD	--	7'-0"	2'-6"	0'-1 3/4"	F1	HM	--	--	58.0	D107
D108	F	1	WD	--	7'-0"	2'-6"	0'-1 3/4"	F1	HM	--	--	58.0	D108
D111.2	F	1	HM	--	7'-0"	3'-0"	0'-1 3/4"	F3	HM	IG-1	--	7.1	D111.2
D113	F	1	HM	--	7'-0"	3'-0"	0'-1 3/4"	F2	HM	--	--	11.0	D113
D128	F	1	WD	--	6'-8"	3'-0"	0'-1 3/4"	F2	HM	--	--	42.0	D128
D129	F	1	WD	--	6'-8"	3'-0"	0'-1 3/4"	F2	HM	--	--	45.0	D129

**GLAZING SCHEDULE**  
REFERENCE SPECIFICATION SECTION 088000 - GLAZING

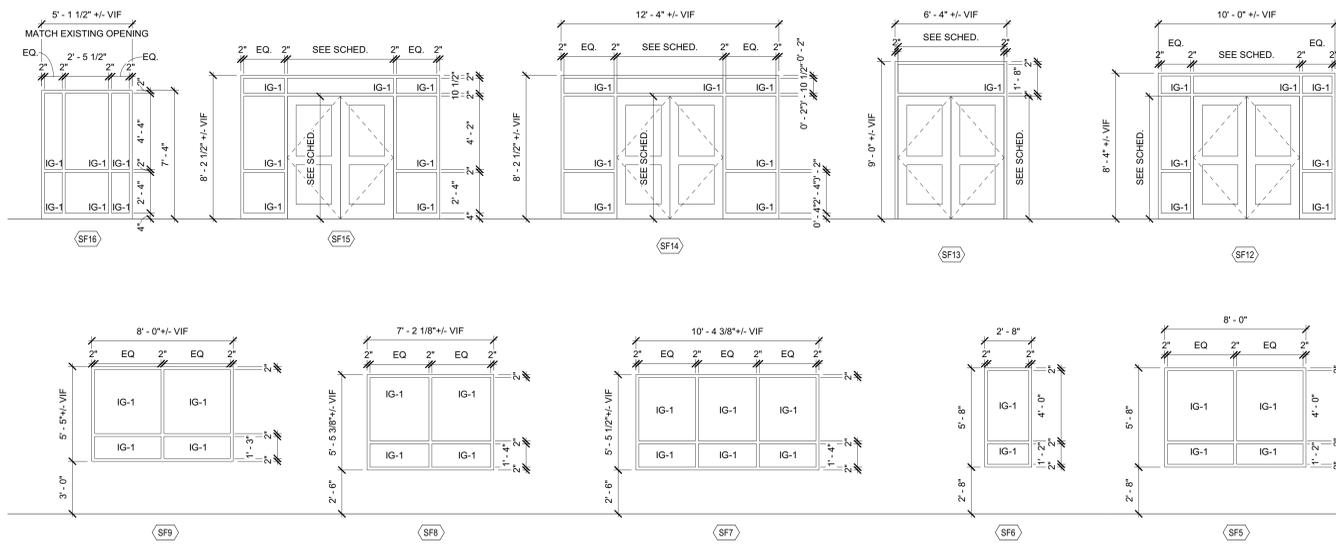
- IG-1 - 1" REFLECTIVE COATED, TINTED INSULATING VISION GLASS
- TG - 1/4" CLEAR TEMPERED GLAZING
- IG-2 - 1" CERAMIC-COATED AND REFLECTIVE-COATED, TINTED INSULATING FRITTED VISION GLASS
- MP-1 - INSULATED METAL PANEL
- FR - 08 88 13 - 45 MINUTE FIRE RATED GLASS
- SP - 1" CERAMIC COATED VISION GLASS
- GF - 08 88 00 - ONE WAY GRAPHIC FILM



**5.4.603 - LOUVER ELEVATION**  
1/4" = 1'-0"



**5.4.603 - FIRE RATED FRAME ELEVATIONS**  
1/4" = 1'-0"



**5.4.603 - STOREFRONT ELEVATIONS**  
1/4" = 1'-0"



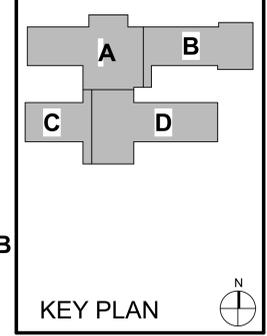
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Project Date 08.29.2023  
Produced TE MP



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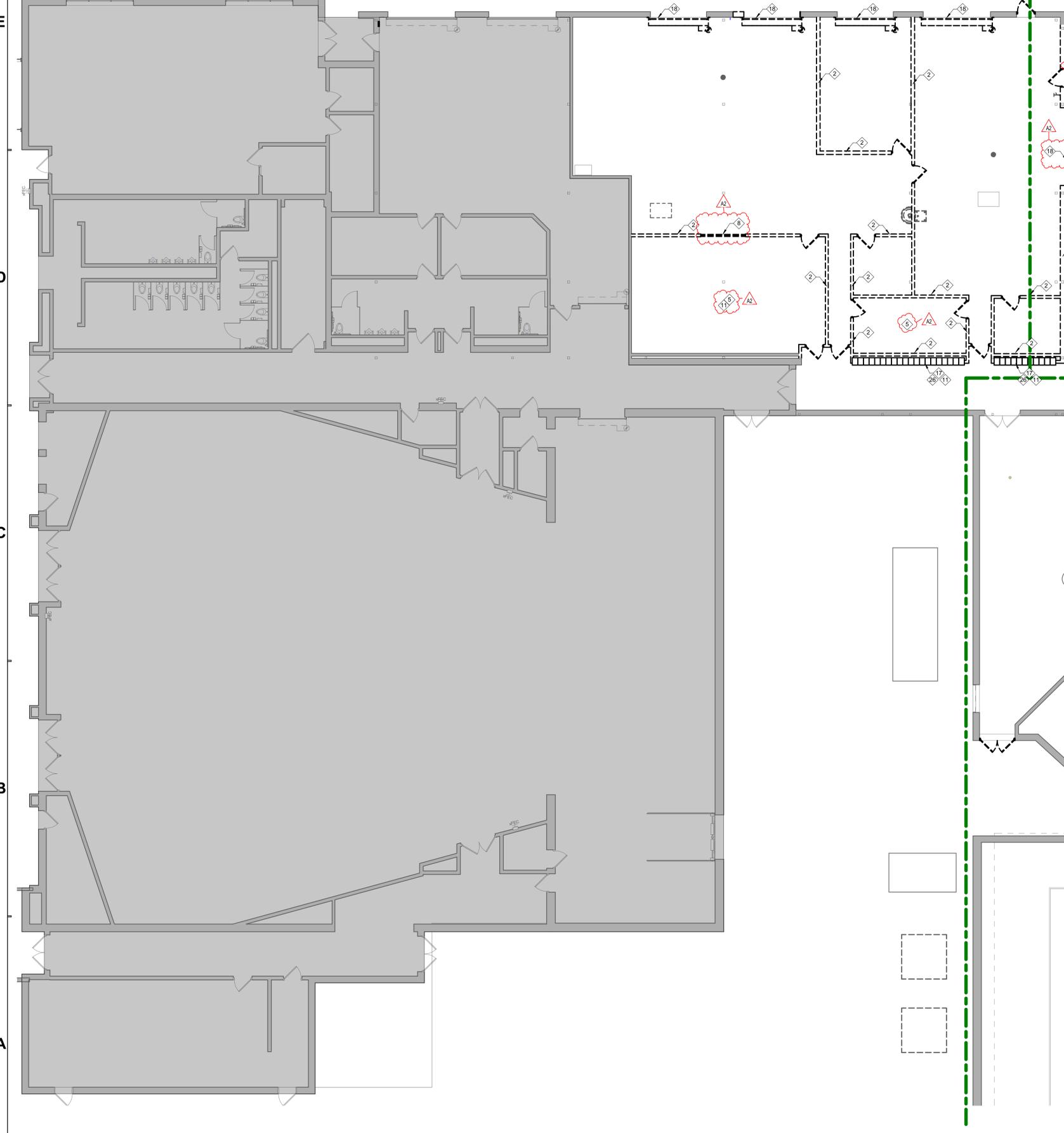
#	Revision	Date
A1	Addendum #1	09.15.2023
A2	Addendum #2	09.19.2023

4223 W 350 N  
Kokomo, IN 46901



DOOR & FRAME SCHEDULE

1-A-600



### General Demolition Notes

- A. Contractor shall field-verify all existing conditions, dimensions, and arrangements.
- B. Contractor is responsible for protection of all existing surfaces, materials, and components to remain or be relocated. Damage to these resulting from performance of Work shall be repaired by Contractor to satisfaction of Owner and Architect at no additional expense to Owner.
- C. Contractor shall provide temporary dust protection as required to prevent construction debris and dust from migrating out of Project Area. Owner/Architect shall confirm all dust prevention measures/locations and shall determine changes to these measures.
- D. All existing equipment and fixtures shall remain property of Owner. All reusable items salvaged during demolition operations shall be retained for Owner's inspection. Only items to be inspected and rejected by Owner shall be disposed. All other such items shall be turned over to Owner for disposition.
- E. All existing surfaces located adjacent to, or exposed by demolition work and scheduled to receive new construction shall be patched and repaired as required to clearly receive new work.
- F. All existing surfaces located adjacent to, or exposed by demolition work and scheduled to receive new finishes.
- G. Owner will be responsible for removal/rearrangement of all existing loose furnishings during construction, unless noted otherwise.
- H. Refer to Mech./Elec. Drawings for additional patching and preparation work related to M.E.P. demolition items.
- I. Existing sleeves, holes, and other penetrations or new damage of existing building structure above grade exposed by demolition and removal of piping, appurtenances, equipment shall be patched and repaired as part of the Work. Maintain fire ratings of all and adjacent construction affected.
- J. Cap all piping to remain or abandoned in accordance with requirements of authority having jurisdiction and in accordance with all local and state plumbing and health codes. Utilize only pre-manufactured and approved fittings to cap existing piping.
- K. Each Contractor is responsible for all demolition work required or noted for installation of new Work. Demolition may include associated distribution systems, appurtenances, equipment supporting controls, and miscellaneous supports, unless noted otherwise.
- L. Coordinate all demolition with Project sequencing as directed by General Contractor or Construction Manager.

### DEMOLITION FLOOR PLAN NOTES

- | #  | NOTE   |
|----|--|
| 1  | REMOVE EXISTING EXTERIOR WALL CONSTRUCTION TO 8" BELOW FINISH FLOOR LINE IN ITS ENTIRETY TO LIMITS INDICATED. REMOVE ALL DOORS, FRAMES, WINDOWS AND MISCELLANEOUS FRAMING IN ITS ENTIRETY. PROTECT ALL EXISTING STRUCTURAL MEMBERS TO REMAIN. PREPARE ADJACENT SURFACES TO REMAIN FOR NEW WORK. REFERENCE A-SERIES AND I-SERIES FLOOR PLANS FOR FINISH CONDITIONS. REFER TO SECTION(S) FOR FURTHER DEFINITION OF DEMOLITION WORK.  |
| 2  | REMOVE EXISTING INTERIOR WALL CONSTRUCTION IN ITS ENTIRETY TO LIMITS INDICATED INCLUDING, BUT NOT LIMITED TO DOORS, FRAMES, WINDOWS AND ALL MISCELLANEOUS FRAMING. FIELD VERIFY ALL EXISTING WALL CONSTRUCTION PRIOR TO DEMOLITION. REFER TO ARCHITECTURAL AND INTERIOR FLOOR PLANS FOR FINISH CONDITIONS AND DIMENSIONS. NEW CONSTRUCTION TO TOOTH-IN TO EXISTING MASONRY COURSE WHERE APPLICABLE. PATCH AND REPAIR EXISTING ADJACENT SURFACES TO REMAIN AND PREP FOR NEW CONSTRUCTION. |
| 3  | REMOVE EXISTING ALUMINUM OR HOLLOW METAL STOREFRONT ENTRANCE SYSTEM IN ITS ENTIRETY, INCLUDING BUT NOT LIMITED TO ALL GLAZING, FRAMING, SEALANTS, DOORS, HARDWARE AND ACCESSORIES. PATCH AND REPAIR ADJACENT AND EXPOSED SURFACES.   |
| 4  | REMOVE EXISTING DOORS AND ASSOCIATED FRAME. PREPARE OPENING TO RECEIVE NEW CONSTRUCTION.   |
| 5  | REMOVE EXISTING SUSPENDED LAY-IN PANEL CEILING SYSTEM IN ITS ENTIRETY INCLUDING, BUT NOT LIMITED TO THE CEILING PADS, GRID, SUSPENSION WIRES, AND ALL RELATED ANCHORS. PATCH AND REPAIR EXISTING SURFACES TO REMAIN AND PREP FOR NEW CONSTRUCTION FINISH. REMOVE EXISTING GYPSUM BOARD CEILING ASSEMBLY COMPLETE LOCATED ABOVE EXISTING LAY-IN CEILING.  |
| 6  | REMOVE EXISTING PLUMBING FIXTURES. REFER TO P-SERIES DRAWINGS. PATCH AND REPAIR EXISTING SURFACES TO REMAIN, INCLUDING BUT NOT LIMITED TO SLAB AND WALLS.  |
| 7  | REMOVE EXISTING WALL AS REQUIRED FOR NEW WINDOW/DOOR OPENING. REMOVE ONLY AS REQUIRED FOR INSTALLATION OF NEW WINDOW/DOOR TOOTH IN EXISTING MASONRY. PROVIDE NEW STEEL LINTEL AT NEW OPENING REFERENCE S-SERIES FOR LINTEL SIZE.   |
| 8  | REMOVE EXISTING WINDOW SYSTEM IN ITS ENTIRETY INCLUDING, BUT NOT LIMITED TO THE GLAZING, SPANDREL PANELS, WINDOW FRAME, SEALANTS, AND ALL RELATED ANCHORS. PATCH AND REPAIR ADJACENT SURFACES TO REMAIN AND PREP FOR NEW CONSTRUCTION FINISH.  |
| 9  | REMOVE EXISTING FLOOR CARPET AND ASSOCIATED BASE INCLUDING ADHESIVES IN THEIR ENTIRETY. PREPARE AREA TO RECEIVE NEW CONSTRUCTION. PATCH AND REPAIR EXISTING SURFACES TO REMAIN.  |
| 10 | REMOVE EXISTING QUARRY/PORCELAIN TILE FLOOR AND BASE. PREP SLAB FOR ANGLE TO NEW FINISH ELEVATION AND NEW FLOOR FINISH.  |
| 11 | REMOVE EXISTING WALL OR CEILING MOUNTED ITEMS INCLUDING MARKER BOARDS/STRIPS, PAPER TOWEL HOLDERS, SHELVES, HOOKS, SHELVING, TELEVISIONS/BRACKETS, ETC. AS REQUIRED. PATCH WALLS TO REMAIN AS REQUIRED TO MATCH ADJACENT SURFACES. PREPARE FOR NEW WALL FINISH.  |
| 12 | REMOVE EXISTING CERAMIC TILE FLOORING IN ITS ENTIRETY INCLUDING, BUT NOT LIMITED TO THE CERAMIC TILE, GROUT, ADHESIVE AND RELATED WALL BASE. PATCH AND REPAIR EXISTING FLOOR SLAB AND WALL SURFACE FOR NEW CONSTRUCTION FINISH.  |
| 13 | REMOVE EXISTING CASEWORK OR MILLWORK IN ITS ENTIRETY, INCLUDING BUT NOT LIMITED TO ALL HARDWARE AND ACCESSORIES. PATCH AND REPAIR ADJACENT AND EXPOSED SURFACES TO RECEIVE NEW WORK.   |
| 14 | REMOVE EXISTING BULKHEAD, ABANDONED MECHANICAL DUCTWORK, AND ACCORDION DOOR, INCLUDING, BUT NOT LIMITED TO HARDWARE, TRACK, AND ASSOCIATED ACCESSORIES. PATCH AND REPAIR EXISTING ADJACENT SURFACES TO REMAIN AND PREP FOR NEW CONSTRUCTION FINISH.  |
| 15 | REMOVE EXISTING WINDOW SYSTEM. PATCH AND REPAIR EXISTING SURFACES TO REMAIN AND PREP FOR NEW CONSTRUCTION FINISH.  |
| 16 | REMOVE EXISTING CONCRETE FLOOR SLAB IN ITS ENTIRETY TO LIMITS INDICATED. REFERENCE S-SERIES DRAWINGS FOR ADDITIONAL INFORMATION. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND EXISTING BUILDING CONDITIONS IN THE FIELD.   |
| 17 | REMOVE EXISTING CORRIDOR LOCKERS, ASSOCIATED CONCRETE BASE AND BULKHEAD WALL FRAMING.  |
| 18 | REMOVE EXISTING OVERHEAD DOOR IN ITS ENTIRETY, INCLUDING BUT NOT LIMITED TO ALL HARDWARE AND ACCESSORIES. PATCH AND REPAIR ADJACENT EXPOSED SURFACES TO RECEIVE NEW WORK.  |
| 19 | REMOVE EXISTING CURTAIN WALL COMPLETE. PATCH AND REPAIR EXISTING SURFACES TO REMAIN AND PREP FOR NEW CONSTRUCTION FINISH.  |
| 20 | REMOVE EXISTING "COURT YARD" AMENITIES COMPLETELY, INCLUDING BUT NOT LIMITED TO PAVERS, BENCHES, AND PLANTINGS. REMOVE AND PREP FOR NEW CONSTRUCTION AT NEW LOCATION WITH OWNER.   |
| 21 | REMOVE ALL EXISTING STAGE CURTAINS, TRACKS AND RIGGING COMPLETE. PATCH AND REPAIR EXISTING SURFACES TO REMAIN AND PREP FOR NEW CONSTRUCTION FINISH.  |
| 22 | REMOVE EXISTING STAIR IN ITS ENTIRETY INCLUDING, BUT NOT LIMITED TO TREADS, RISERS, RAILINGS, ETC.   |
| 23 | REMOVE EXISTING STARTING BLOCKS. PREP AND REPAIR ADJACENT AREAS TO REMAIN FOR NEW CONSTRUCTION AND STARTING BLOCKS BASE AND DECK DRAIN TRIM IN ITS ENTIRETY. PREP AND REPAIR ADJACENT AREAS FOR CONSTRUCTION FINISH.   |
| 24 | REMOVE EXISTING CERAMIC 1X1 TILE POOL DECK IN ITS ENTIRETY INCLUDING, BUT NOT LIMITED TO THE CERAMIC TILE, DRAIN COVERS, GROUT, ADHESIVE AND RELATED WALL BASE. PATCH AND REPAIR EXISTING FLOOR SLAB AND WALL SURFACE FOR NEW CONSTRUCTION FINISH.   |
| 25 | REMOVE EXISTING TERRAZZO FLOORING SYSTEM IN ITS ENTIRETY INCLUDING, BUT NOT LIMITED TO THE TERRAZZO, TERRAZZO BASE, MORTAR BASE AND ALL RELATED TRIMS/THRESHOLDS DOWN TO EXISTING CONCRETE FLOOR SLAB. PREP EXISTING SURFACES TO REMAIN FOR NEW CONSTRUCTION.  |
| 26 | REMOVE EXISTING RESILIENT TILE FLOOR FINISH AND ASSOCIATED BASE INCLUDING ADHESIVES IN THEIR ENTIRETY. PREPARE AREA TO RECEIVE NEW CONSTRUCTION. PATCH AND REPAIR EXISTING SURFACES TO REMAIN.   |
| 27 | REMOVE EXISTING DIVING BOARD, AND METAL FRAME COMPLETE. PREP FOR NEW DIVING BOARD AND FRAME.   |
| 28 | REMOVE EXISTING TOILET PARTITIONS AND URINAL PARTITIONS IN THEIR ENTIRETY. PATCH AND REPAIR EXISTING SURFACES TO REMAIN AND PREP FOR NEW CONSTRUCTION FINISH.  |
| 29 | REMOVE EXISTING CONCRETE STEP, KNEE WALL AND FINISH IN ITS ENTIRETY. PATCH AND REPAIR ADJACENT SURFACES FOR NEW CONSTRUCTION.  |
| 30 | REMOVE EXISTING ATHLETIC LOCKERS IN THEIR ENTIRETY INCLUDING, BUT NOT LIMITED TO THE LOCKERS, TRIMS, SLOPPED TOPS, CURB AND ALL ASSOCIATED ANCHORS TO LIMITS INDICATED. PATCH AND REPAIR EXISTING FLOOR SURFACES AND PREP FOR NEW CONSTRUCTION FINISH.   |
| 31 | REMOVE EXISTING CORRIDOR GATE IN ITS ENTIRETY. PATCH AND REPAIR ADJACENT SURFACES FOR NEW CONSTRUCTION FINISH.   |
| 32 | REMOVE EXISTING EXTERIOR CANOPY IN ITS ENTIRETY. PATCH AND REPAIR ADJACENT SURFACES FOR NEW CONSTRUCTION FINISH.   |
| 33 | REMOVE EXISTING TIERED FLOOR IN ITS ENTIRETY. PATCH AND REPAIR ADJACENT SURFACES FOR NEW CONSTRUCTION FINISH.  |
| 34 | REMOVE EXISTING GYPSUM BOARD CEILING SYSTEM IN ITS ENTIRETY INCLUDING, BUT NOT LIMITED TO THE GYPSUM BOARD, SUSPENDED FRAMING AND ALL RELATED ANCHORS/FASTENERS. PATCH AND REPAIR EXISTING SURFACES TO REMAIN AND PREP FOR NEW CONSTRUCTION FINISH.  |
| 35 | REPLACE DAMAGED CEILING TILES AS REQUIRED.   |
| 36 | CAREFULLY REMOVE EXISTING FIRE EXTINGUISHER CABINET. REINSTALL IN NEW LOCATION.  |
| 37 | REMOVE EXISTING MECHANICAL EQUIPMENT IN ITS ENTIRETY. PATCH AND REPAIR EXISTING SURFACES FOR NEW CONSTRUCTION FINISH. REFERENCE M-SERIES DWGS.   |
| 38 | REMOVE EXISTING STAIR AND LANDING IN ITS ENTIRETY. PATCH AND REPAIR EXISTING SURFACES FOR NEW CONSTRUCTION FINISH.   |
| 39 | REMOVE EXISTING WALL PADDING IN ITS ENTIRETY INCLUDING THE PADDING AND ALL RELATED ADHESIVES. PREP EXISTING WALL SURFACE FOR NEW FINISH. SEE I-SERIES DRAWINGS FOR NEW FINISH.   |
| 40 | REMOVE EXISTING WALL PADDING IN ITS ENTIRETY INCLUDING THE PADDING AND ALL RELATED ADHESIVES. PREP EXISTING WALL SURFACE FOR NEW FINISH. SEE I-SERIES DRAWINGS FOR NEW FINISH.   |
| 41 | REMOVE EXISTING WALL BASE INCLUDING ADHESIVES IN THEIR ENTIRETY. PREPARE AREA TO RECEIVE NEW CONSTRUCTION. PATCH AND REPAIR EXISTING SURFACES TO REMAIN.   |
| 42 | DEMO HOUSE KEEPING PAD IN ITS ENTIRETY. PATCH AND REPAIR ADJACENT SURFACES FOR NEW CONSTRUCTION.   |
| 43 | REMOVE DISPLAY CASE IN ITS ENTIRETY INCLUDING BUT NOT LIMITED TO GLAZINGS, SHELVING. PREP AREA TO RECEIVE NEW CONSTRUCTION.  |
| 44 | REMOVAL OF EXISTING FLOOR CARPET, ASSOCIATED BASE, FLOOR TILE, AND ALL ASSOCIATED ADHESIVES IN THEIR ENTIRETY BY OTHERS.   |
| 45 | REMOVAL OF EXISTING FLOOR TILE, ASSOCIATED WALL BASE, AND ALL ASSOCIATED ADHESIVES IN THEIR ENTIRETY BY OTHERS.  |
| 46 | REMOVAL OF EXISTING WINDOW SYSTEM IN ITS ENTIRETY INCLUDING, BUT NOT LIMITED TO THE GLAZING, SPANDREL PANELS, WINDOW FRAME, SEALANTS, AND ALL RELATED ANCHORS - BY OWNER. PATCH AND REPAIR ADJACENT SURFACES TO REMAIN AND PREP FOR NEW CONSTRUCTION FINISH.   |



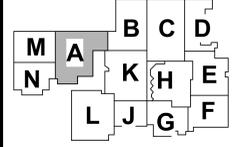
Project No. 2022-086.TGR  
Project Date 08.29.2023  
Produced TE MP



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#	Revision	Date
A2	Addendum #2	09.19.2023

3431 N 400 W  
Kokomo IN, 46901



KEY PLAN

NORTHWESTERN SCHOOL CORPORATION



NORTHWESTERN HIGH SCHOOL / MIDDLE SCHOOL

FIRST FLOOR DEMOLITION PLAN - UNIT A

2-AD1A1

6A H - FIRST FLOOR DEMOLITION PLAN - UNIT A  
1/8" = 1'-0"

6 5 4 3 2 1

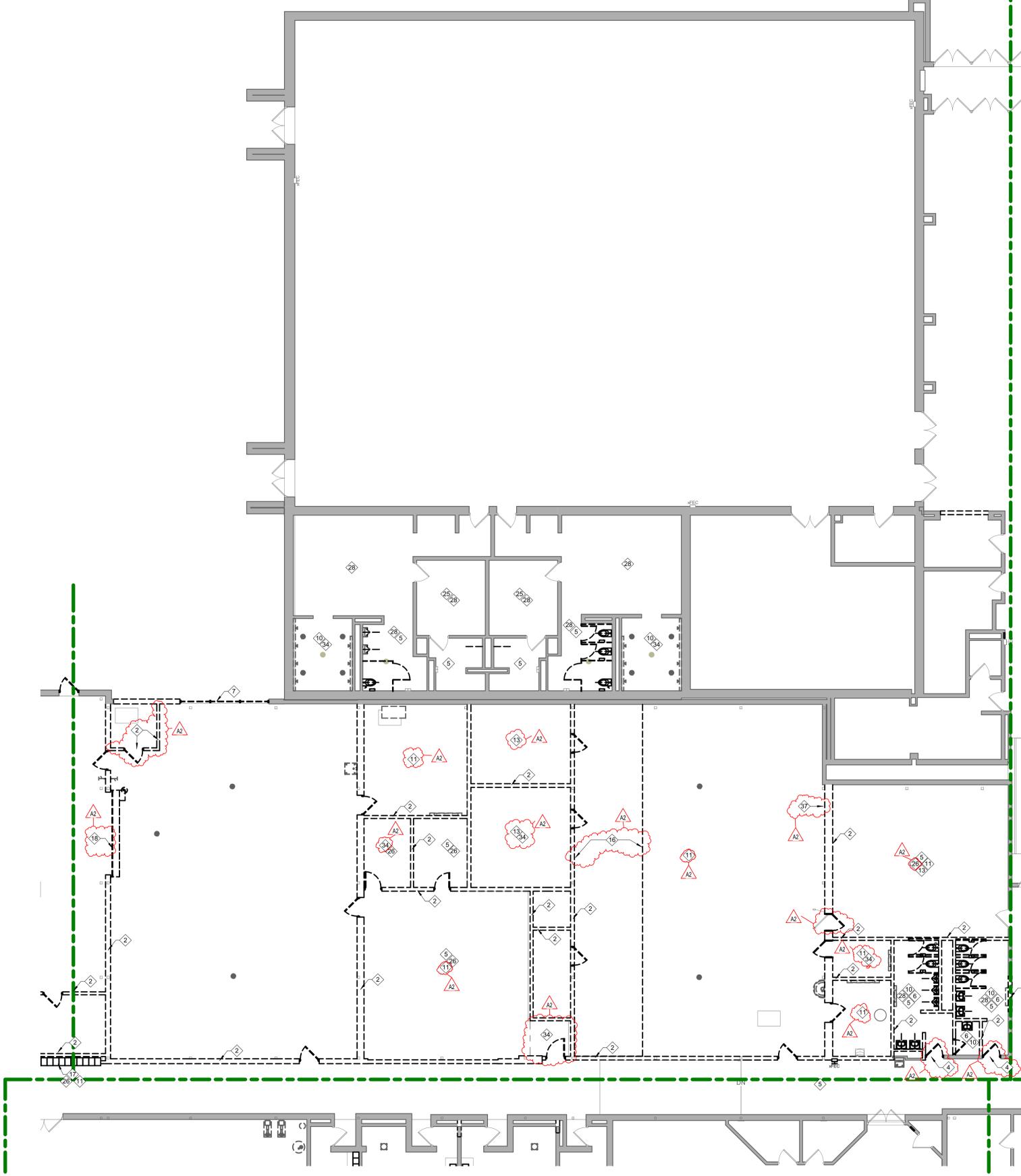
E  
D  
C  
B  
A

### General Demolition Notes

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- E. All existing surfaces located adjacent to, or exposed by demolition work and scheduled to receive new construction shall be patched and repaired as required to clearly receive new work.
- F. All existing surfaces located adjacent to, or exposed by demolition work and scheduled to remain exposed after completion of new const. shall be repaired and patched as required to receive new finishes.
- G. Owner will be responsible for removal/rearrangement of all existing loose furnishings during construction, unless noted otherwise.
- H. Refer to Mech./Elec. Drawings for additional patching and preparation work related to M.E.P. demolition items.
- I. Existing sleeves, holes, and other penetrations or new damage of existing building structure above grade exposed by demolition and removal of piping, appurtenances, equipment shall be patched and repaired as part of the Work. Maintain fire ratings of all and adjacent construction affected.
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### DEMOLITION FLOOR PLAN NOTES

- | #  | NOTE   |
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| 2  | REMOVE EXISTING INTERIOR WALL CONSTRUCTION IN ITS ENTIRETY TO LIMITS INDICATED INCLUDING, BUT NOT LIMITED TO DOORS, FRAMES, WINDOWS AND ALL MISCELLANEOUS FRAMING. FIELD VERIFY ALL EXISTING WALL CONSTRUCTION PRIOR TO DEMOLITION. REFER TO ARCHITECTURAL AND INTERIOR FLOOR PLANS FOR FINISH CONDITIONS AND DIMENSIONS. NEW CONSTRUCTION TO TOOTH-IN TO EXISTING MASONRY COURSING WHERE APPLICABLE. PATCH AND REPAIR EXISTING ADJACENT SURFACES TO REMAIN AND PREP FOR NEW CONSTRUCTION. |
| 3  | REMOVE EXISTING ALUMINUM OR HOLLOW METAL STOREFRONT ENTRANCE SYSTEM IN ITS ENTIRETY, INCLUDING BUT NOT LIMITED TO ALL GLAZING, FRAMING, SEALANTS, DOORS, HARDWARE AND ACCESSORIES. PATCH AND REPAIR ADJACENT AND EXPOSED SURFACES.   |
| 4  | REMOVE EXISTING DOORS AND ASSOCIATED FRAME. PREPARE OPENING TO RECEIVE NEW CONSTRUCTION.   |
| 5  | REMOVE EXISTING SUSPENDED LAY-IN PANEL CEILING SYSTEM IN ITS ENTIRETY INCLUDING, BUT NOT LIMITED TO THE CEILING PADS, GRID, SUSPENSION WIRES, AND ALL RELATED ANCHORS. PATCH AND REPAIR EXISTING SURFACES TO REMAIN AND PREP FOR NEW CONSTRUCTION/FINISH. REMOVE EXISTING GYPSUM BOARD CEILING ASSEMBLY COMPLETE LOCATED ABOVE EXISTING LAY-IN CEILING.  |
| 6  | REMOVE EXISTING PLUMBING FIXTURES. REFER TO P-SERIES DRAWINGS. PATCH AND REPAIR EXISTING SURFACES TO REMAIN, INCLUDING BUT NOT LIMITED TO SLAB AND WALLS.  |
| 7  | REMOVE EXISTING WALL AS REQUIRED FOR NEW WINDOW/DOOR OPENING. REMOVE ONLY AS REQUIRED FOR INSTALLATION OF NEW WINDOW/DOOR AND TOOTH IN EXISTING MASONRY. PROVIDE NEW STEEL LINTEL AT NEW OPENING REFERENCE S-SERIES FOR LINTEL SIZE.   |
| 8  | REMOVE EXISTING WINDOW SYSTEM IN ITS ENTIRETY INCLUDING, BUT NOT LIMITED TO THE GLAZING, SPANDREL PANELS, WINDOW FRAME, SEALANTS, AND ALL RELATED ANCHORS. PATCH AND REPAIR ADJACENT SURFACES TO REMAIN AND PREP FOR NEW CONSTRUCTION/FINISH.  |
| 9  | REMOVE EXISTING FLOOR CARPET AND ASSOCIATED BASE INCLUDING ADHESIVES IN THEIR ENTIRETY. PREPARE AREA TO RECEIVE NEW CONSTRUCTION. PATCH AND REPAIR EXISTING SURFACES TO REMAIN.  |
| 10 | REMOVE EXISTING QUARRY/PORCELAIN TILE FLOOR AND BASE. PREP SLAB FOR INFIL TO NEW FINISH FLOOR ELEVATION AND NEW FLOOR FINISH.  |
| 11 | REMOVE EXISTING WALL OR CEILING MOUNTED ITEMS INCLUDING MARKER BOARDS/STRIPS, PAPER TOWEL HOLDERS, SHELVES, HOOKS, SHELVING, TELEVISIONS/BRACKETS, ETC. AS REQUIRED. PATCH WALLS TO REMAIN AS REQUIRED TO MATCH ADJACENT SURFACES. PREPARE FOR NEW WALL FINISH.  |
| 12 | REMOVE EXISTING CERAMIC TILE FLOORING IN ITS ENTIRETY INCLUDING, BUT NOT LIMITED TO THE CERAMIC TILE, GROUT, ADHESIVE AND RELATED WALL BASE. PATCH AND REPAIR EXISTING FLOOR SLAB AND WALL SURFACE FOR NEW CONSTRUCTION/FINISH.  |
| 13 | REMOVE EXISTING CASEWORK OR MILLWORK IN ITS ENTIRETY, INCLUDING BUT NOT LIMITED TO ALL HARDWARE AND ACCESSORIES. PATCH AND REPAIR ADJACENT AND EXPOSED SURFACES TO RECEIVE NEW WORK.   |
| 14 | REMOVE EXISTING BULKHEAD, ABANDONED MECHANICAL DUCTWORK, AND ACCORDION DOOR, INCLUDING, BUT NOT LIMITED TO HARDWARE, TRACK, AND ASSOCIATED ACCESSORIES. PATCH AND REPAIR EXISTING ADJACENT SURFACES TO REMAIN AND PREP FOR NEW CONSTRUCTION/FINISH.  |
| 15 | REMOVE EXISTING GROUND LIFT SYSTEM. PATCH AND REPAIR EXISTING SURFACES TO REMAIN AND PREP FOR NEW CONSTRUCTION/FINISH.   |
| 16 | REMOVE EXISTING CONCRETE FLOOR SLAB IN ITS ENTIRETY TO LIMITS INDICATED. REFERENCE S-SERIES DRAWINGS FOR ADDITIONAL INFORMATION. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND EXISTING BUILDING CONDITIONS IN THE FIELD.   |
| 17 | REMOVE EXISTING LOCKERS, ASSOCIATED CONCRETE BASE AND BULKHEAD/WALL FRAMING.   |
| 18 | REMOVE EXISTING OVERHEAD DOOR IN ITS ENTIRETY, INCLUDING BUT NOT LIMITED TO ALL HARDWARE AND ACCESSORIES. PATCH AND REPAIR ADJACENT EXPOSED SURFACES TO RECEIVE NEW WORK.  |
| 19 | REMOVE EXISTING CURTAIN WALL COMPLETE. PATCH AND REPAIR EXISTING SURFACES TO REMAIN AND PREP FOR NEW CONSTRUCTION/FINISH.  |
| 20 | REMOVE EXISTING COURT YARD ADORNMENTS COMPLETELY, INCLUDING BUT NOT LIMITED TO PAVERS, BENCHES, AND PLANTINGS. REMOVE AND PREP FOR NEW CONSTRUCTION. COORDINATE NEW LOCATION WITH OWNER.   |
| 21 | REMOVE ALL EXISTING STAGE CURTAINS, TRACKS AND RIGGING COMPLETE. PATCH AND REPAIR EXISTING SURFACES TO REMAIN AND PREP FOR NEW CONSTRUCTION/FINISH.  |
| 22 | REMOVE EXISTING STAIR IN ITS ENTIRETY INCLUDING, BUT NOT LIMITED TO TREADS, RISERS, RAILINGS, ETC.   |
| 23 | REMOVE EXISTING STARTING BLOCKS. PREP AND REPAIR ADJACENT AREAS TO REMAIN FOR NEW CONSTRUCTION AND STARTING BLOCKS BASE AND DECK DRAIN TRIM IN ITS ENTIRETY. PREP AND REPAIR ADJACENT AREAS FOR CONSTRUCTION/FINISH.   |
| 24 | REMOVE EXISTING CERAMIC 1X1 TILE POOL DECK IN ITS ENTIRETY INCLUDING, BUT NOT LIMITED TO THE CERAMIC TILE, DRAIN COVERS, GROUT, ADHESIVE AND RELATED WALL BASE. PATCH AND REPAIR EXISTING FLOOR SLAB AND WALL SURFACE FOR NEW CONSTRUCTION/FINISH.   |
| 25 | REMOVE EXISTING TERRAZZO FLOORING SYSTEM IN ITS ENTIRETY INCLUDING, BUT NOT LIMITED TO THE TERRAZZO, TERRAZZO BASE, MORTAR BASE AND ALL RELATED TRIMS/THRESHOLDS DOWN TO EXISTING CONCRETE FLOOR SLAB. PREP EXISTING SURFACES TO REMAIN FOR NEW CONSTRUCTION.  |
| 26 | REMOVE EXISTING RESILIENT TILE FLOOR FINISH AND ASSOCIATED BASE INCLUDING ADHESIVES IN THEIR ENTIRETY. PREPARE AREA TO RECEIVE NEW CONSTRUCTION. PATCH AND REPAIR EXISTING SURFACES TO REMAIN.   |
| 27 | REMOVE EXISTING DIVING BOARD, AND METAL FRAME COMPLETE. PREP FOR NEW DIVING BOARD AND FRAME.   |
| 28 | REMOVE EXISTING TOILET PARTITIONS AND URINAL PARTITIONS IN THEIR ENTIRETY. PATCH AND REPAIR EXISTING SURFACES TO REMAIN AND PREP FOR NEW CONSTRUCTION/FINISH.  |
| 29 | REMOVE EXISTING CONCRETE STEP, KNEE WALL AND FINISH IN ITS ENTIRETY. PATCH AND REPAIR ADJACENT SURFACES FOR NEW CONSTRUCTION.  |
| 30 | REMOVE EXISTING ATHLETIC LOCKERS IN THEIR ENTIRETY INCLUDING, BUT NOT LIMITED TO THE LOCKERS, TRIMS, SLOPPED TOPS, CURB AND ALL ASSOCIATED ANCHORS TO LIMITS INDICATED. PATCH AND REPAIR EXISTING FLOOR SURFACES AND PREP FOR NEW CONSTRUCTION/ FINISH.  |
| 31 | REMOVE EXISTING CORRIDOR GATE IN ITS ENTIRETY. PATCH AND REPAIR ADJACENT SURFACES FOR NEW CONSTRUCTION/ FINISH.  |
| 32 | REMOVE EXISTING EXTERIOR CANOPY IN ITS ENTIRETY. PATCH AND REPAIR ADJACENT SURFACES FOR NEW CONSTRUCTION/ FINISH.  |
| 33 | REMOVE EXISTING TIRED FLOOR IN ITS ENTIRETY. PATCH AND REPAIR ADJACENT SURFACES FOR NEW CONSTRUCTION/ FINISH.  |
| 34 | REMOVE EXISTING GYPSUM BOARD CEILING SYSTEM IN ITS ENTIRETY INCLUDING, BUT NOT LIMITED TO THE GYPSUM BOARD, SUSPENDED FRAMING AND ALL RELATED ANCHORS/FASTENERS. PATCH AND REPAIR EXISTING SURFACES TO REMAIN AND PREP FOR NEW CONSTRUCTION/FINISH.  |
| 35 | REPLACE DAMAGED CEILING TILES AS REQUIRED.   |
| 36 | REMOVE EXISTING WALL MOUNTED TABLES IN THEIR ENTIRETY.   |
| 37 | CAREFULLY REMOVE EXISTING FIRE EXTINGUISHER CABINET. REINSTALL IN NEW LOCATION.  |
| 38 | REMOVE EXISTING MECHANICAL EQUIPMENT IN ITS ENTIRETY. PATCH AND REPAIR EXISTING SURFACES FOR NEW CONSTRUCTION/FINISH. REFERENCE M-SERIES DWGS.   |
| 39 | REMOVE EXISTING STAIR AND LANDING IN ITS ENTIRETY. PATCH AND REPAIR EXISTING SURFACES FOR NEW CONSTRUCTION/FINISH.   |
| 40 | REMOVE EXISTING WALL PADDING IN ITS ENTIRETY INCLUDING THE PADDING AND ALL RELATED ADHESIVES. PREP EXISTING WALL SURFACE FOR NEW FINISH. SEE I-SERIES DRAWINGS FOR NEW FINISH.   |
| 41 | REMOVE EXISTING WALL BASE INCLUDING ADHESIVES IN THEIR ENTIRETY. PREPARE AREA TO RECEIVE NEW CONSTRUCTION. PATCH AND REPAIR EXISTING SURFACES TO REMAIN.   |
| 42 | DEMO HOUSE KEEPING PAD IN ITS ENTIRETY. PATCH AND REPAIR ADJACENT SURFACES FOR NEW CONSTRUCTION.   |
| 43 | REMOVE DISPLAY CASE IN ITS ENTIRETY INCLUDING BUT NOT LIMITED TO GLAZINGS, SHELVING. PREP AREA TO RECEIVE NEW CONSTRUCTION.  |
| 44 | REMOVAL OF EXISTING FLOOR CARPET, ASSOCIATED BASE, FLOOR TILE, AND ALL ASSOCIATED ADHESIVES IN THEIR ENTIRETY BY OTHERS.   |
| 45 | REMOVAL OF EXISTING FLOOR TILE, ASSOCIATED WALL BASE, AND ALL ASSOCIATED ADHESIVES IN THEIR ENTIRETY BY OTHERS.  |
| 46 | REMOVAL OF EXISTING WINDOW SYSTEM IN ITS ENTIRETY INCLUDING, BUT NOT LIMITED TO THE GLAZING, SPANDREL PANELS, WINDOW FRAME, SEALANTS, AND ALL RELATED ANCHORS - BY OWNER. PATCH AND REPAIR ADJACENT SURFACES TO REMAIN AND PREP FOR NEW CONSTRUCTION / FINISH.   |



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



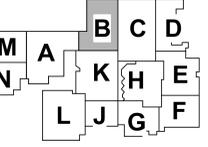
Project No. 2022-086.TGR  
Project Date 08.29.2023  
Produced TE MP



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#	Revision	Date
A2	Addendum #2	09.19.2023

3431 N 400 W  
Kokomo IN, 46901



KEY PLAN

NORTHWESTERN SCHOOL CORPORATION



NORTHWESTERN HIGH SCHOOL / MIDDLE SCHOOL

FIRST FLOOR DEMOLITION PLAN - UNIT B

2-AD1B1

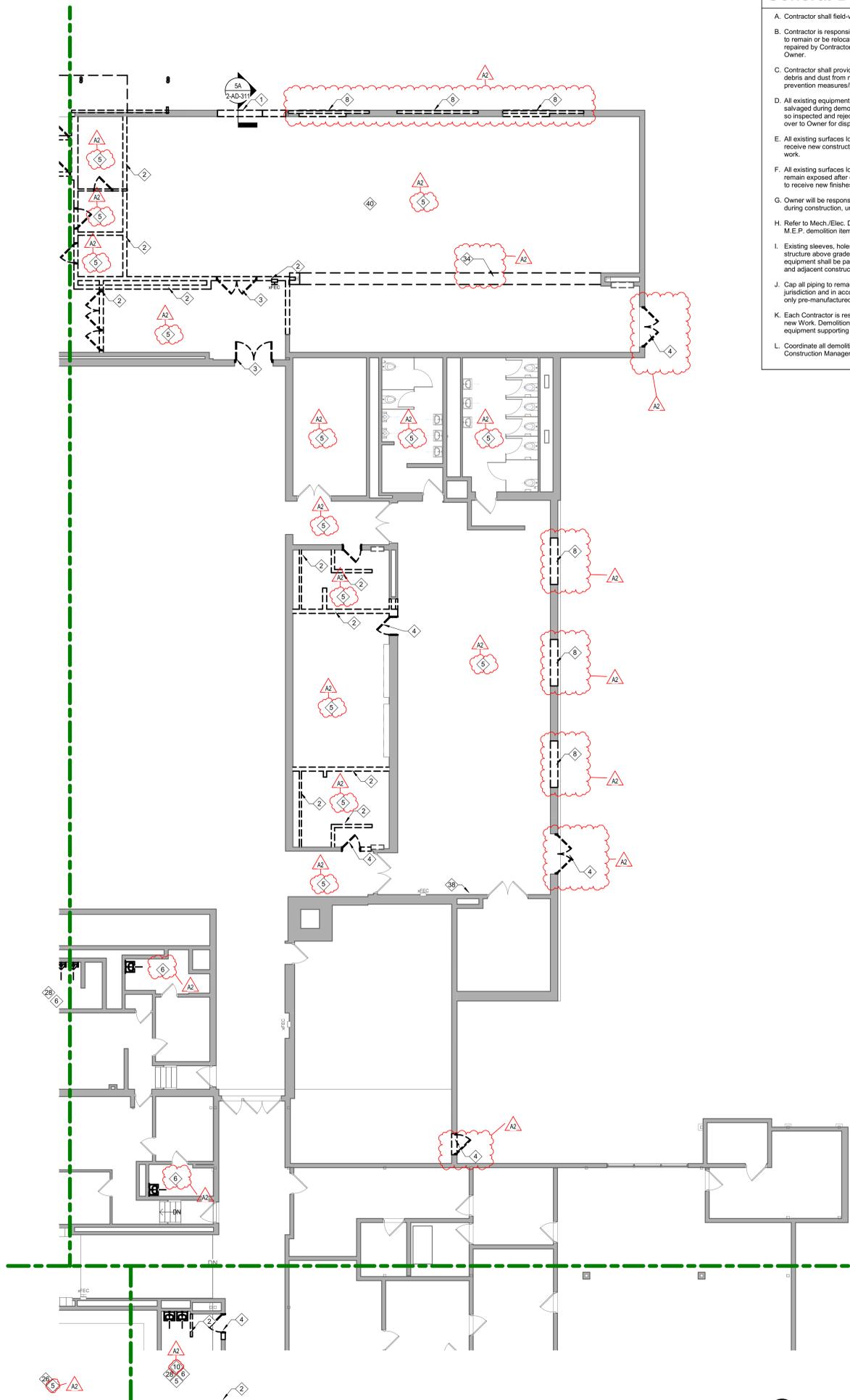


### General Demolition Notes

- A. Contractor shall field-verify all existing conditions, dimensions, and arrangements.
- B. Contractor is responsible for protection of all existing surfaces, materials, and components to remain or be relocated. Damage to these resulting from performance of Work shall be repaired by Contractor to satisfaction of Owner and Architect at no additional expense to Owner.
- C. Contractor shall provide temporary dust protection as required to prevent construction debris and dust from migrating out of Project Area. Owner/Architect shall confirm all dust prevention measures/locations and shall determine changes to these measures.
- D. All existing equipment and fixtures shall remain property of Owner. All reusable items salvaged during demolition operations shall be retained for Owner's inspection. Only items so inspected and rejected by Owner shall be disposed. All other such items shall be turned over to Owner for disposition.
- E. All existing surfaces located adjacent to, or exposed by demolition work and scheduled to receive new construction shall be patched and repaired as required to cleanly receive new work.
- F. All existing surfaces located adjacent to, or exposed by demolition work and scheduled to remain exposed after completion of new const. shall be repaired and patched as required to receive new finishes.
- G. Owner will be responsible for removal/rearrangement of all existing loose furnishings during construction, unless noted otherwise.
- H. Refer to Mech./Elec. Drawings for additional patching and preparation work related to M.E.P. demolition items.
- I. Existing sleeves, holes, and other penetrations or new damage of existing building structure above grade exposed by demolition and removal of piping, appurtenances, equipment shall be patched and repaired as part of the Work. Maintain fire ratings of all and adjacent construction affected.
- J. Cap all piping to remain or abandoned in accordance with requirements of authority having jurisdiction and in accordance with all local and state plumbing and health codes. Utilize only pre-manufactured and approved fittings to cap existing piping.
- K. Each Contractor is responsible for all demolition work required or noted for installation of new Work. Demolition may include associated distribution systems, appurtenances, equipment supporting controls, and miscellaneous supports, unless noted otherwise.
- L. Coordinate all demolition with Project sequencing as directed by General Contractor or Construction Manager.

### DEMOLITION FLOOR PLAN NOTES

- | #  | NOTE  |
|----|---|
| 1  | REMOVE EXISTING EXTERIOR WALL CONSTRUCTION TO 6" BELOW FINISH FLOOR LINE IN ITS ENTIRETY TO LIMITS INDICATED. REMOVE ALL DOORS, FRAMES, WINDOWS AND MISCELLANEOUS FRAMING IN ITS ENTIRETY. PROTECT ALL EXISTING STRUCTURAL MEMBERS TO REMAIN. PREPARE ADJACENT SURFACES TO REMAIN FOR NEW WORK. REFERENCE A-SERIES AND I-SERIES FLOOR PLANS FOR FINISH CONDITIONS. REFER TO SECTION(S) FOR FURTHER DEFINITION OF DEMOLITION WORK. |
| 2  | REMOVE EXISTING INTERIOR WALL CONSTRUCTION IN ITS ENTIRETY TO LIMITS INDICATED. FIELD VERIFY ALL EXISTING WALL CONSTRUCTION PRIOR TO DEMOLITION. REFER TO ARCHITECTURAL AND INTERIOR FLOOR PLANS FOR FINISH CONDITIONS. NEW CONSTRUCTION TO TOOTHED JOINTS. PATCH AND REPAIR EXISTING ADJACENT SURFACES TO REMAIN AND PREP FOR NEW CONSTRUCTION.  |
| 3  | REMOVE EXISTING WALL OR CEILING HOLLOW METAL STOREFRONT ENTRANCE SYSTEM IN ITS ENTIRETY, INCLUDING BUT NOT LIMITED TO ALL GLAZING, FRAMING, SEALANTS, DOORS, HARDWARE AND ACCESSORIES. PATCH AND REPAIR ADJACENT AND EXPOSED SURFACES TO REMAIN.  |
| 4  | REMOVE EXISTING DOORS AND ASSOCIATED FRAME. PREPARE OPENING TO RECEIVE NEW CONSTRUCTION.  |
| 5  | REMOVE EXISTING SUSPENDED LAY-IN PANEL CEILING SYSTEM IN ITS ENTIRETY INCLUDING, BUT NOT LIMITED TO THE CEILING PADS, GRID, SUSPENSION WIRES, AND ALL RELATED ANCHORS. PATCH AND REPAIR EXISTING SURFACES TO REMAIN AND PREP FOR NEW CONSTRUCTION/FINISH. REMOVE EXISTING GYPSUM BOARD CEILING ASSEMBLY COMPONENTS LOCATED ABOVE EXISTING LAY-IN CEILING.   |
| 6  | REMOVE EXISTING PLUMBING FIXTURES. REFER TO P-SERIES DRAWINGS. PATCH AND REPAIR EXISTING SURFACES TO REMAIN, INCLUDING BUT NOT LIMITED TO SLAB AND WALLS.   |
| 7  | REMOVE EXISTING WALL AS REQUIRED FOR NEW WINDOW/DOOR OPENING. REMOVE ONLY AS REQUIRED FOR INSTALLATION OF NEW WINDOW/DOOR AND TOOTH IN EXISTING MASONRY. PROVIDE NEW STEEL LINTEL AT NEW OPENING REFERENCE S-SERIES FOR LINTEL SIZE.  |
| 8  | REMOVE EXISTING WINDOW SYSTEM IN ITS ENTIRETY INCLUDING, BUT NOT LIMITED TO THE GLAZING, SPANDREL PANELS, WINDOW FRAME, SEALANTS, AND ALL RELATED ANCHORS. PATCH AND REPAIR ADJACENT SURFACES TO REMAIN AND PREP FOR NEW CONSTRUCTION/FINISH.   |
| 9  | REMOVE EXISTING FLOOR CARPET AND ASSOCIATED BASE INCLUDING ADHESIVES IN THEIR ENTIRETY. PREPARE AREA TO RECEIVE NEW CONSTRUCTION. PATCH AND REPAIR EXISTING SURFACES TO REMAIN.   |
| 10 | REMOVE EXISTING QUARRY/PORCELAIN TILE FLOOR AND BASE. PREP SLAB FOR INFILL TO NEW FINISH FLOOR ELEVATION AND NEW FLOOR FINISH.  |
| 11 | REMOVE EXISTING WALL OR CEILING UTILITY MATERIALS INCLUDING: DRYWALL, GYPSUM BOARD/STRIPS, PAPER TOWEL HOLDERS, SHELVES, HOOKS, SHELVING, TELEVISIONS/BRACKETS, ETC. AS REQUIRED. PATCH WALLS TO REMAIN AS REQUIRED TO MATCH ADJACENT SURFACES. PREPARE FOR NEW WALL FINISH.  |
| 12 | REMOVE EXISTING CERAMIC TILE FLOORING IN ITS ENTIRETY INCLUDING, BUT NOT LIMITED TO THE CERAMIC TILE, GROUT, ADHESIVE AND RELATED WALL BASE. PATCH AND REPAIR EXISTING FLOOR SLAB AND WALL SURFACE FOR NEW CONSTRUCTION/FINISH.   |
| 13 | REMOVE EXISTING CASEWORK OR MILLWORK IN ITS ENTIRETY. INCLUDING BUT NOT LIMITED TO ALL HARDWARE AND ACCESSORIES. PATCH AND REPAIR ADJACENT AND EXPOSED SURFACES TO RECEIVE NEW WORK.  |
| 14 | REMOVE EXISTING BULKHEAD, ABANDONED MECHANICAL DUCTWORK, AND ACCORDION DOOR, INCLUDING, BUT NOT LIMITED TO HARDWARE, TRACK, AND ASSOCIATED ACCESSORIES. PATCH AND REPAIR EXISTING ADJACENT SURFACES TO REMAIN AND PREP FOR NEW CONSTRUCTION/FINISH.   |
| 15 | REMOVE EXISTING IN-GROUND CIP SYSTEM. PATCH AND REPAIR EXISTING SURFACES TO REMAIN AND PREP FOR NEW CONSTRUCTION/FINISH.  |
| 16 | REMOVE EXISTING CONCRETE FLOOR SLAB IN ITS ENTIRETY TO LIMITS INDICATED. REFERENCE S-SERIES DRAWINGS FOR ADDITIONAL INFORMATION. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND EXISTING BUILDING CONDITIONS IN THE FIELD.  |
| 17 | REMOVE EXISTING CORRIDOR LOCKERS, ASSOCIATED CONCRETE BASE AND BULKHEAD WALL FRAMING.   |
| 18 | REMOVE EXISTING OVERHEAD DOOR IN ITS ENTIRETY, INCLUDING BUT NOT LIMITED TO ALL HARDWARE AND ACCESSORIES. PATCH AND REPAIR ADJACENT EXPOSED SURFACES TO RECEIVE NEW WORK.   |
| 19 | REMOVE EXISTING CURTAIN WALL COMPLETE. PATCH AND REPAIR EXISTING SURFACES TO REMAIN AND PREP FOR NEW CONSTRUCTION/FINISH.   |
| 20 | REMOVE EXISTING "COURT YARD" AMENITIES COMPLETELY, INCLUDING BUT NOT LIMITED TO PAVERS, BENCHES, AND PLANTINGS. REMOVE AND PREP FOR NEW CONSTRUCTION. COORDINATE NEW LOCATION WITH OWNER.   |
| 21 | REMOVE ALL EXISTING STAGE CURTAINS, TRACKS AND RIGGING COMPLETE. PATCH AND REPAIR EXISTING SURFACES TO REMAIN AND PREP FOR NEW CONSTRUCTION/FINISH.   |
| 22 | REMOVE EXISTING STAIR IN ITS ENTIRETY INCLUDING, BUT NOT LIMITED TO TREADS, RISERS, RAILINGS, ETC.  |
| 23 | REMOVE EXISTING STARTING BLOCKS. PREP AND REPAIR ADJACENT AREAS TO REMAIN FOR NEW CONSTRUCTION AND STARTING BLOCKS, BASE, AND DECK DRAIN TRIM IN ITS ENTIRETY. PREP AND REPAIR ADJACENT AREAS FOR CONSTRUCTION/FINISH.  |
| 24 | REMOVE EXISTING CERAMIC 1X1 TILE POOL DECK IN ITS ENTIRETY INCLUDING, BUT NOT LIMITED TO THE CERAMIC TILE, DRAIN COVERS, GROUT, ADHESIVE AND RELATED WALL BASE. PATCH AND REPAIR EXISTING FLOOR SLAB AND WALL SURFACE FOR NEW CONSTRUCTION/FINISH.  |
| 25 | REMOVE EXISTING TERRAZZO FLOORING SYSTEM IN ITS ENTIRETY INCLUDING, BUT NOT LIMITED TO THE TERRAZZO, TERRAZZO BASE, MORTAR BASE AND ALL RELATED TRIM/THRESHOLDS DOWN TO EXISTING CONCRETE FLOOR SLAB. PREP EXISTING SURFACES TO REMAIN FOR NEW CONSTRUCTION.  |
| 26 | REMOVE EXISTING RESILIENT TILE FLOOR FINISH AND ASSOCIATED BASE INCLUDING ADHESIVES IN THEIR ENTIRETY. PREPARE AREA TO RECEIVE NEW CONSTRUCTION. PATCH AND REPAIR EXISTING SURFACES TO REMAIN.  |
| 27 | REMOVE EXISTING DIVING BOARD, AND METAL FRAME COMPLETE. PREP FOR NEW DIVING BOARD AND FRAME.  |
| 28 | REMOVE EXISTING TOILET PARTITIONS AND URINAL PARTITIONS IN THEIR ENTIRETY. PATCH AND REPAIR EXISTING SURFACES TO REMAIN AND PREP FOR NEW CONSTRUCTION/FINISH.   |
| 29 | REMOVE EXISTING CONCRETE STEP, KNEE WALL AND FINISH IN ITS ENTIRETY. PATCH AND REPAIR ADJACENT SURFACES FOR NEW CONSTRUCTION.   |
| 30 | REMOVE EXISTING ATHLETIC LOCKERS IN THEIR ENTIRETY INCLUDING, BUT NOT LIMITED TO THE LOCKERS, TRIMS, SLOPPED TOPS, CURB AND ALL ASSOCIATED ANCHORS TO LIMITS INDICATED. PATCH AND REPAIR EXISTING FLOOR SURFACES AND PREP FOR NEW CONSTRUCTION/ FINISH.   |
| 31 | REMOVE EXISTING CORRIDOR GATE IN ITS ENTIRETY. PATCH AND REPAIR ADJACENT SURFACES FOR NEW CONSTRUCTION/ FINISH.   |
| 32 | REMOVE EXISTING EXTERIOR CANOPY IN ITS ENTIRETY. PATCH AND REPAIR ADJACENT SURFACES FOR NEW CONSTRUCTION/ FINISH.   |
| 33 | REMOVE EXISTING TIERED FLOOR IN ITS ENTIRETY. PATCH AND REPAIR ADJACENT SURFACES FOR NEW CONSTRUCTION/ FINISH.  |
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| 35 | REPLACE DAMAGED CEILING TILES AS REQUIRED.  |
| 36 | REMOVE EXISTING WALL MOUNTED TABLES IN THEIR ENTIRETY.  |
| 37 | CAREFULLY REMOVE EXISTING FIRE EXTINGUISHER CABINET. REINSTALL IN NEW LOCATION.   |
| 38 | REMOVE EXISTING MECHANICAL EQUIPMENT IN ITS ENTIRETY. PATCH AND REPAIR EXISTING SURFACES FOR NEW CONSTRUCTION/FINISH. REFERENCE M-SERIES DWGS.  |
| 39 | REMOVE EXISTING STAIR AND LANDING IN ITS ENTIRETY. PATCH AND REPAIR EXISTING SURFACES FOR NEW CONSTRUCTION/FINISH.  |
| 40 | REMOVE EXISTING WALL PADDING IN ITS ENTIRETY INCLUDING THE PADDING AND ALL RELATED ADHESIVES. PREP EXISTING WALL SURFACE FOR NEW FINISH. SEE I-SERIES DRAWINGS FOR NEW FINISH.  |
| 41 | REMOVE EXISTING WALL BASE INCLUDING ADHESIVES IN THEIR ENTIRETY. PREPARE AREA TO RECEIVE NEW CONSTRUCTION. PATCH AND REPAIR EXISTING SURFACES TO REMAIN.  |
| 42 | DEMO HOUSE KEEPING PAD IN ITS ENTIRETY. PATCH AND REPAIR ADJACENT SURFACES FOR NEW CONSTRUCTION.  |
| 43 | REMOVE DISPLAY CASE IN ITS ENTIRETY INCLUDING BUT NOT LIMITED TO GLAZING, SHELVING. PREP AREA TO RECEIVE NEW CONSTRUCTION.  |
| 44 | REMOVAL OF EXISTING FLOOR CARPET, ASSOCIATED BASE, FLOOR TILE, AND ALL ASSOCIATED ADHESIVES IN THEIR ENTIRETY BY OTHERS.  |
| 45 | REMOVAL OF EXISTING FLOOR TILE, ASSOCIATED WALL BASE, AND ALL ASSOCIATED ADHESIVES IN THEIR ENTIRETY BY OTHERS.   |
| 46 | REMOVAL OF EXISTING WINDOW SYSTEM IN ITS ENTIRETY INCLUDING, BUT NOT LIMITED TO THE GLAZING, SPANDREL PANELS, WINDOW FRAME, SEALANTS, AND ALL RELATED ANCHORS - BY OWNER. PATCH AND REPAIR ADJACENT SURFACES TO REMAIN AND PREP FOR NEW CONSTRUCTION / FINISH.  |



2A H - FIRST FLOOR DEMOLITION PLAN - UNIT D  
1/8" = 1'-0"

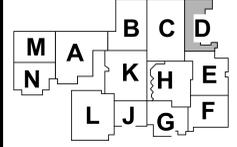


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A2	Addendum #2	09.19.2023

3431 N 400 W  
Kokomo IN , 46901



**NORTHWESTERN SCHOOL CORPORATION**



NORTHWESTERN HIGH SCHOOL / MIDDLE SCHOOL

FIRST FLOOR  
DEMOLITION PLAN - UNIT D  
2-AD1D1

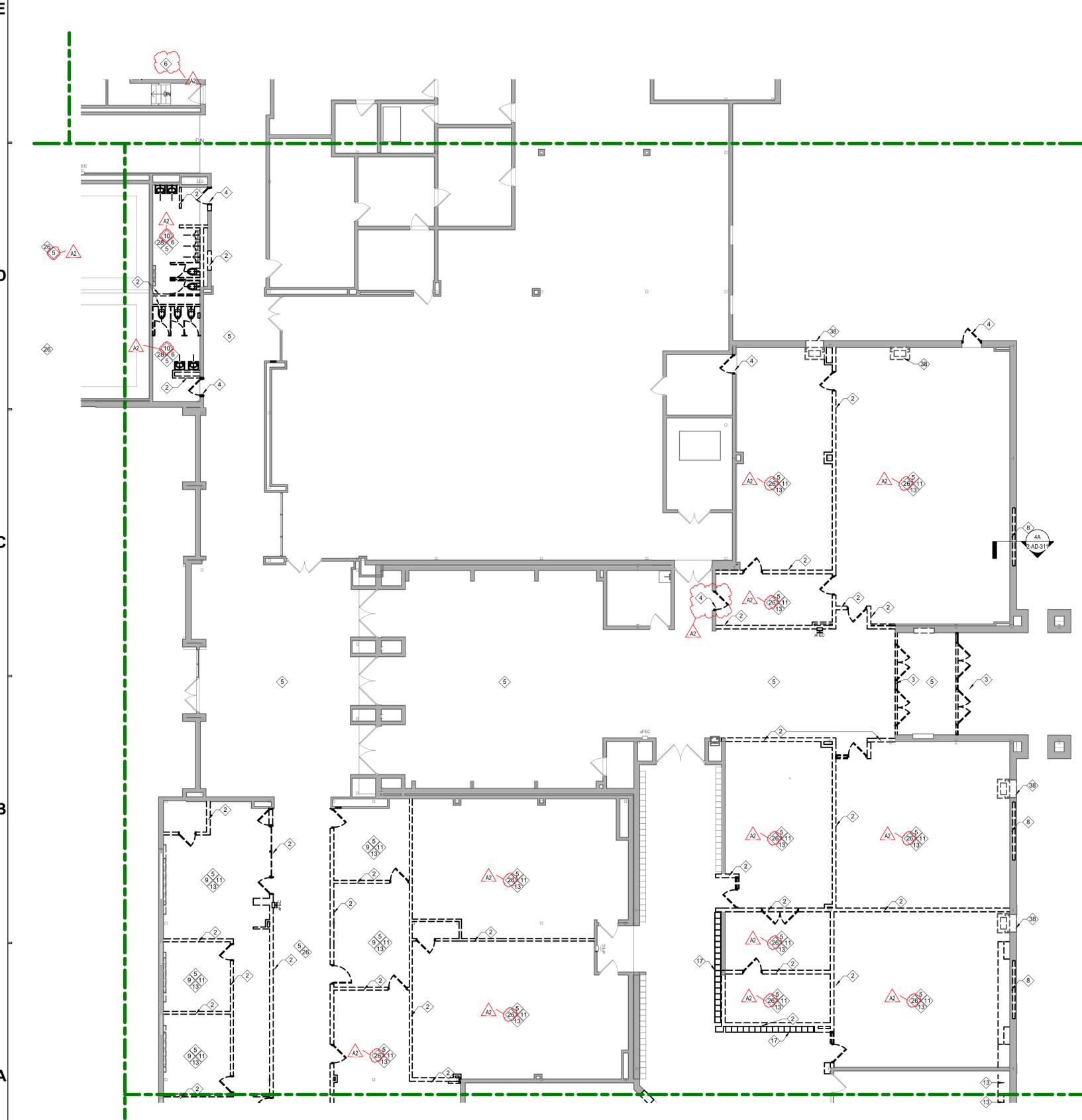
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### DEMOLITION FLOOR PLAN NOTES

- | #  | NOTE   |
|----|--|
| 1  | REMOVE EXISTING EXTERIOR WALL CONSTRUCTION TO 8" BELOW FINISH FLOOR LINE IN ITS ENTIRETY TO LIMITS INDICATED. REMOVE ALL DOORS, FRAMES, WINDOWS AND MISCELLANEOUS FRAMING IN ITS ENTIRETY. PROTECT ALL EXISTING STRUCTURAL MEMBERS TO REMAIN. PREPARE ADJACENT SURFACES TO REMAIN FOR NEW WORK. REFERENCE A-SERIES AND I-SERIES FLOOR PLANS FOR FINISH CONDITIONS. REFER TO SECTION(S) FOR FURTHER DEFINITION OF DEMOLITION WORK.  |
| 2  | REMOVE EXISTING INTERIOR WALL CONSTRUCTION IN ITS ENTIRETY TO LIMITS INDICATED INCLUDING, BUT NOT LIMITED TO DOORS, FRAMES, WINDOWS AND ALL MISCELLANEOUS FRAMING. FIELD VERIFY ALL EXISTING WALL CONSTRUCTION PRIOR TO DEMOLITION. REFER TO ARCHITECTURAL AND INTERIOR FLOOR PLANS FOR FINISH CONDITIONS AND DIMENSIONS. NEW CONSTRUCTION TO TOOTH-IN TO EXISTING MASONRY COURSING WHERE APPLICABLE. PATCH AND REPAIR EXISTING ADJACENT SURFACES TO REMAIN AND PREP FOR NEW CONSTRUCTION. |
| 3  | REMOVE EXISTING ALUMINUM OR HOLLOW METAL STOREFRONT ENTRANCE SYSTEM IN ITS ENTIRETY, INCLUDING BUT NOT LIMITED TO ALL GLAZING, FRAMING, SEALANTS, DOORS, HARDWARE AND ACCESSORIES. PATCH AND REPAIR ADJACENT AND EXPOSED SURFACES.   |
| 4  | REMOVE EXISTING DOORS AND ASSOCIATED FRAME. PREPARE OPENING TO RECEIVE NEW CONSTRUCTION.   |
| 5  | REMOVE EXISTING SUSPENDED LAY-IN PANEL CEILING SYSTEM IN ITS ENTIRETY INCLUDING, BUT NOT LIMITED TO THE CEILING PADS, GRID, SUSPENSION WIRES, AND ALL RELATED ANCHORS. PATCH AND REPAIR EXISTING SURFACES TO REMAIN AND PREP FOR NEW CONSTRUCTION/ FINISH. REMOVE EXISTING GYPSUM BOARD CEILING ASSEMBLY COMPLETE LOCATED ABOVE EXISTING LAY-IN CEILING.   |
| 6  | REMOVE EXISTING PLUMBING FIXTURES. REFER TO P-SERIES DRAWINGS. PATCH AND REPAIR EXISTING SURFACES TO REMAIN, INCLUDING BUT NOT LIMITED TO SLAB AND WALLS.  |
| 7  | REMOVE EXISTING WALL AS REQUIRED FOR NEW WINDOW/DOOR OPENING. REMOVE ONLY AS REQUIRED FOR INSTALLATION OF NEW WINDOW/DOOR AND TOOTH-IN TO EXISTING MASONRY. PROVIDE NEW STEEL LINTEL AT NEW OPENING. REFERENCE S-SERIES FOR LINTEL SIZE.   |
| 8  | REMOVE EXISTING WINDOW SYSTEM IN ITS ENTIRETY INCLUDING, BUT NOT LIMITED TO THE GLAZING, SPANDREL PANELS, WINDOW FRAME, SEALANTS, AND ALL RELATED ANCHORS. PATCH AND REPAIR ADJACENT SURFACES TO REMAIN AND PREP FOR NEW CONSTRUCTION/ FINISH.   |
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| 10 | REMOVE EXISTING QUARRY/PORCELAIN TILE FLOOR AND BASE. PREP SLAB FOR FINISH. REMOVE EXISTING FINISH FLOOR FINISHES.   |
| 11 | REMOVE EXISTING WALL OR CEILING MOUNTED ITEMS INCLUDING MARKER BOARDS/STRIPS, PAPER TOWEL HOLDERS, SHELVES, HOOKS, SHELVING, TELEVISIONS/FRAMES, ETC. AS REQUIRED. PATCH WALLS TO REMAIN AS REQUIRED TO MATCH ADJACENT SURFACES. PREPARE FOR NEW WALL FINISH.  |
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| 15 | REMOVE EXISTING IN-GROUND LIFT SYSTEMS AND REPAIR EXISTING SURFACES TO REMAIN AND PREP FOR NEW CONSTRUCTION/ FINISH.   |
| 16 | REMOVE EXISTING CONCRETE FLOOR SLAB IN ITS ENTIRETY TO LIMITS INDICATED. REFERENCE S-SERIES DRAWINGS FOR ADDITIONAL INFORMATION. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND EXISTING BUILDING CONDITIONS IN THE FIELD.   |
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| 22 | REMOVE EXISTING STAIR IN ITS ENTIRETY INCLUDING, BUT NOT LIMITED TO TREADS, RISERS, RAILINGS, ETC.   |
| 23 | REMOVE EXISTING STARTING BLOCKS. PREP AND REPAIR ADJACENT AREAS TO REMAIN FOR NEW CONSTRUCTION AND STARTING BLOCKS BASE AND DECK DRAIN TRIM IN ITS ENTIRETY. PREP AND REPAIR ADJACENT AREAS FOR CONSTRUCTION/ FINISH.  |
| 24 | REMOVE EXISTING CERAMIC 1X1 TILE POOL DECK IN ITS ENTIRETY INCLUDING, BUT NOT LIMITED TO THE CERAMIC TILE, DRAIN COVERS, GROUT, ADHESIVE AND RELATED WALL BASE. PATCH AND REPAIR EXISTING FLOOR SLAB AND WALL SURFACE FOR NEW CONSTRUCTION/ FINISH.  |
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| 27 | REMOVE EXISTING DIVING BOARD, AND METAL FRAME COMPLETE. PREP FOR NEW DIVING BOARD AND FRAME.   |
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| 36 | REMOVE EXISTING WALL MOUNTED TABLES IN THEIR ENTIRETY.   |
| 37 | CAREFULLY REMOVE EXISTING FIRE EXTINGUISHER CABINET. REINSTALL IN NEW LOCATION.  |
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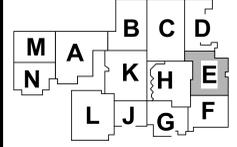
Project No. 2022-086.TGR  
 Project Date 08.29.2023  
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#	Revision	Date
A2	Addendum #2	09.19.2023

3431 N 400 W  
 Kokomo IN , 46901



KEY PLAN

NORTHWESTERN SCHOOL CORPORATION



NORTHWESTERN HIGH SCHOOL / MIDDLE SCHOOL

FIRST FLOOR DEMOLITION PLAN - UNIT E

2-AD1E1

3A H - FIRST FLOOR DEMOLITION PLAN - UNIT E  
 1/8" = 1'-0"

6 5 4 3 2 1

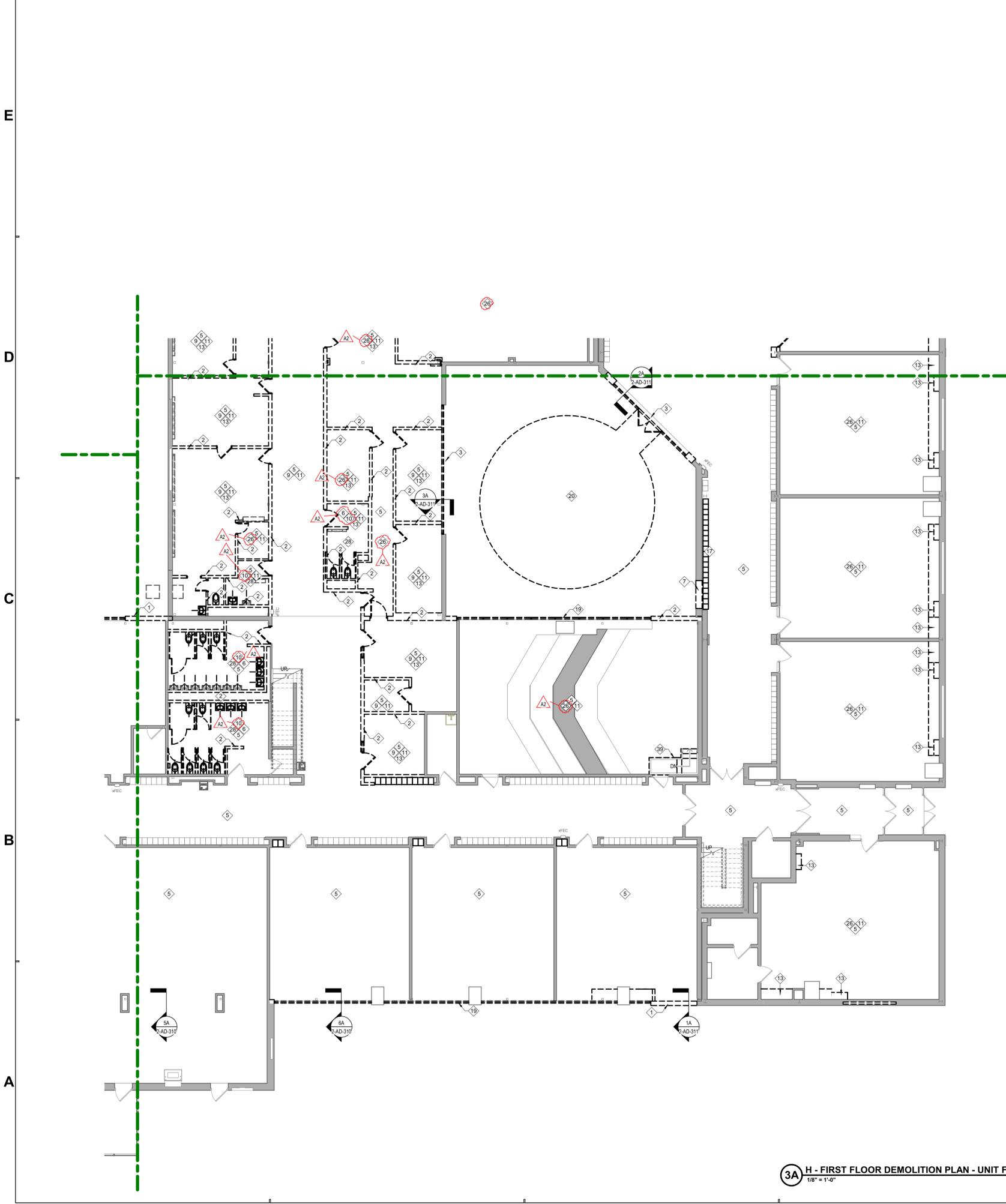
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### General Demolition Notes

- A. Contractor shall field-verify all existing conditions, dimensions, and arrangements.
- B. Contractor is responsible for protection of all existing surfaces, materials, and components to remain or be relocated. Damage to these resulting from performance of Work shall be repaired by Contractor to satisfaction of Owner and Architect at no additional expense to Owner.
- C. Contractor shall provide temporary dust protection as required to prevent construction debris and dust from migrating out of Project Area. Owner/Architect shall confirm all dust prevention measures/locations and shall determine changes to these measures.
- D. All existing equipment and fixtures shall remain property of Owner. All reusable items salvaged during demolition operations shall be retained for Owner's inspection. Only items so inspected and rejected by Owner shall be disposed. All other such items shall be turned over to Owner for disposition.
- E. All existing surfaces located adjacent to, or exposed by demolition work and scheduled to receive new construction shall be patched and repaired as required to cleanly receive new work.
- F. All existing surfaces located adjacent to, or exposed by demolition work and scheduled to remain exposed after completion of new const. shall be repaired and patched as required to receive new finishes.
- G. Owner will be responsible for removal/rearrangement of all existing loose furnishings during construction, unless noted otherwise.
- H. Refer to Mech./Elec. Drawings for additional patching and preparation work related to M.E.P. demolition items.
- I. Existing sleeves, holes, and other penetrations or new damage of existing building structure above grade exposed by demolition and removal of piping, appurtenances, equipment shall be patched and repaired as part of the Work. Maintain fire ratings of all and adjacent construction affected.
- J. Cap all piping to remain or abandoned in accordance with requirements of authority having jurisdiction and in accordance with all local and state plumbing and health codes. Utilize only pre-manufactured and approved fittings to cap existing piping.
- K. Each Contractor is responsible for all demolition work required or noted for installation of new Work. Demolition may include associated distribution systems, appurtenances, equipment supporting controls, and miscellaneous supports, unless noted otherwise.
- L. Coordinate all demolition with Project sequencing as directed by General Contractor or Construction Manager.

### DEMOLITION FLOOR PLAN NOTES

#	NOTE
1	REMOVE EXISTING EXTERIOR WALL CONSTRUCTION TO 8" BELOW FINISH FLOOR LINE IN ITS ENTIRETY TO LIMITS INDICATED. REMOVE ALL DOORS, FRAMES, WINDOWS AND MISCELLANEOUS FRAMING IN ITS ENTIRETY. PROTECT ALL EXISTING STRUCTURAL MEMBERS TO REMAIN. PREPARE ADJACENT SURFACES TO REMAIN FOR NEW WORK. REFERENCE A-SERIES AND I-SERIES FLOOR PLANS FOR FINISH CONDITIONS. REFER TO SECTIONS(S) FOR FURTHER DEFINITION OF DEMOLITION WORK.
2	REMOVE EXISTING INTERIOR WALL CONSTRUCTION IN ITS ENTIRETY TO LIMITS INDICATED INCLUDING, BUT NOT LIMITED TO DOORS, FRAMES, WINDOWS AND ALL MISCELLANEOUS FRAMING. FIELD VERIFY ALL EXISTING WALL CONSTRUCTION PRIOR TO DEMOLITION. REFER TO ARCHITECTURAL AND INTERIOR FLOOR PLANS FOR FINISH CONDITIONS AND DIMENSIONS. NEW CONSTRUCTION TO TOOTH-IN TO EXISTING MASONRY COURSING WHERE APPLICABLE. PATCH AND REPAIR EXISTING ADJACENT SURFACES TO REMAIN AND PREP FOR NEW CONSTRUCTION.
3	REMOVE EXISTING ALUMINUM OR HOLLOW METAL STOREFRONT ENTRANCE SYSTEM IN ITS ENTIRETY, INCLUDING BUT NOT LIMITED TO ALL GLAZING, FRAMING, SEALANTS, DOORS, HARDWARE AND ACCESSORIES. PATCH AND REPAIR ADJACENT AND EXPOSED SURFACES.
4	REMOVE EXISTING DOORS AND ASSOCIATED FRAME. PREPARE OPENING TO RECEIVE NEW CONSTRUCTION.
5	REMOVE EXISTING SUSPENDED LAY-IN PANEL CEILING SYSTEM IN ITS ENTIRETY INCLUDING, BUT NOT LIMITED TO THE CEILING PADS, GRID, SUSPENSION WIRES, AND ALL RELATED ANCHORS. PATCH AND REPAIR EXISTING SURFACES TO REMAIN AND PREP FOR NEW CONSTRUCTION FINISH. REMOVE EXISTING GYPSUM BOARD CEILING ASSEMBLY COMPLETE LOCATED ABOVE EXISTING LAY-IN CEILING.
6	REMOVE EXISTING PLUMBING FIXTURES. REFER TO P-SERIES DRAWINGS. PATCH AND REPAIR EXISTING SURFACES TO REMAIN, INCLUDING BUT NOT LIMITED TO SLAB AND WALLS.
7	REMOVE EXISTING WALL AS REQUIRED FOR NEW WINDOW/DOOR OPENING. REMOVE ONLY AS REQUIRED FOR INSTALLATION OF NEW WINDOW/DOOR AND TOOTH IN EXISTING MASONRY. PROVIDE NEW STEEL LINTEL AT NEW OPENING REFERENCE S-SERIES FOR LINTEL SIZE.
8	REMOVE EXISTING WINDOW SYSTEM IN ITS ENTIRETY INCLUDING, BUT NOT LIMITED TO THE GLAZING, SPANDREL PANELS, WINDOW FRAME, SEALANTS, AND ALL RELATED ANCHORS. PATCH AND REPAIR ADJACENT SURFACES TO REMAIN AND PREP FOR NEW CONSTRUCTION FINISH.
9	REMOVE EXISTING FLOOR CARPET AND ASSOCIATED BASE INCLUDING ADHESIVES IN THEIR ENTIRETY. PREPARE AREA TO RECEIVE NEW CONSTRUCTION. PATCH AND REPAIR EXISTING SURFACES TO REMAIN.
10	REMOVE EXISTING QUARRY/PORCELAIN TILE FLOOR AND BASE. PREP SLAB FOR NEW CONSTRUCTION FINISH. REMOVE EXISTING GYPSUM BOARD CEILING AND EXPOSED SURFACES TO RECEIVE NEW WORK.
11	REMOVE EXISTING WALL OR CEILING MOUNTED ITEMS INCLUDING MARKER BOARDS/STRIPS, PAPER TOWEL HOLDERS, SHELVES, HOOKS, SHELVING, TELEVISIONS/BACKETS, ETC. AS REQUIRED. PATCH WALLS TO REMAIN AS REQUIRED TO MATCH ADJACENT SURFACES. PREPARE FOR NEW WALL FINISH.
12	REMOVE EXISTING CERAMIC TILE FLOORING IN ITS ENTIRETY INCLUDING, BUT NOT LIMITED TO THE CERAMIC TILE, GROUT, ADHESIVE AND RELATED WALL BASE. PATCH AND REPAIR EXISTING FLOOR SLAB AND WALL SURFACE FOR NEW CONSTRUCTION FINISH.
13	REMOVE EXISTING CASEWORK OR MILLWORK IN ITS ENTIRETY INCLUDING BUT NOT LIMITED TO ALL HARDWARE AND ACCESSORIES. PATCH AND REPAIR ADJACENT AND EXPOSED SURFACES TO RECEIVE NEW WORK.
14	REMOVE EXISTING BULKHEAD, ABANDONED MECHANICAL DUCTWORK, AND ACCORDION DOOR, INCLUDING, BUT NOT LIMITED TO HARDWARE, TRACK, AND ASSOCIATED ACCESSORIES. PATCH AND REPAIR EXISTING ADJACENT SURFACES TO REMAIN AND PREP FOR NEW CONSTRUCTION FINISH.
15	REMOVE EXISTING IN-GROUND LIFT SYSTEM. PATCH AND REPAIR EXISTING SURFACES TO REMAIN AND PREP FOR NEW CONSTRUCTION FINISH.
16	REMOVE EXISTING CONCRETE FLOOR SLAB IN ITS ENTIRETY TO LIMITS INDICATED. REFERENCE S-SERIES DRAWINGS FOR ADDITIONAL INFORMATION. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND EXISTING BUILDING CONDITIONS IN THE FIELD.
17	REMOVE EXISTING CORRIDOR LOCKERS, ASSOCIATED CONCRETE BASE AND BULKHEAD/WALL FRAMING.
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19	REMOVE EXISTING CURTAIN WALL COMPLETE. PATCH AND REPAIR EXISTING SURFACES TO REMAIN AND PREP FOR NEW CONSTRUCTION FINISH.
20	REMOVE EXISTING "COURT YARD" AMENITIES COMPLETELY INCLUDING BUT NOT LIMITED TO PAVERS, BENCHES, AND PLANTINGS. REMOVE AND PREP FOR NEW CONSTRUCTION. COORDINATE NEW LOCATION WITH OWNER.
21	REMOVE ALL EXISTING STAGE CURTAINS, TRACKS AND RIGGING COMPLETE. PATCH AND REPAIR EXISTING SURFACES TO REMAIN AND PREP FOR NEW CONSTRUCTION FINISH.
22	REMOVE EXISTING STAIR IN ITS ENTIRETY INCLUDING, BUT NOT LIMITED TO TREADS, RISERS, RAILINGS, ETC.
23	REMOVE EXISTING STARTING BLOCKS. PREP AND REPAIR ADJACENT AREAS TO REMAIN FOR NEW CONSTRUCTION AND STARTING BLOCKS BASE AND DECK DRAIN TRIM IN ITS ENTIRETY. PREP AND REPAIR ADJACENT AREAS FOR CONSTRUCTION FINISH.
24	REMOVE EXISTING CERAMIC 1X1 TILE POOL DECK IN ITS ENTIRETY INCLUDING, BUT NOT LIMITED TO THE CERAMIC TILE, DRAIN COVERS, GROUT, ADHESIVE AND RELATED WALL BASE. PATCH AND REPAIR EXISTING FLOOR SLAB AND WALL SURFACE FOR NEW CONSTRUCTION FINISH.
25	REMOVE EXISTING TERRAZZO FLOORING SYSTEM IN ITS ENTIRETY INCLUDING, BUT NOT LIMITED TO THE TERRAZZO, TERRAZZO STARTER BASE AND ALL RELATED TRIMS/THRESHOLDS DOWN TO EXISTING CONCRETE FLOOR SLAB. PREP EXISTING SURFACES TO REMAIN FOR NEW CONSTRUCTION.
26	REMOVE EXISTING RESILIENT TILE FLOOR FINISH AND ASSOCIATED BASE INCLUDING ADHESIVES IN THEIR ENTIRETY. PREPARE AREA TO RECEIVE NEW CONSTRUCTION. PATCH AND REPAIR EXISTING SURFACES TO REMAIN.
27	REMOVE EXISTING DIVING BOARD, AND METAL FRAME COMPLETE. PREP FOR NEW DIVING BOARD AND FRAME.
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3A H - FIRST FLOOR DEMOLITION PLAN - UNIT F  
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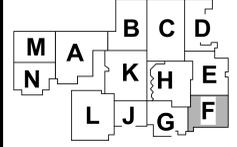
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3431 N 400 W  
 Kokomo IN , 46901



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NORTHWESTERN HIGH SCHOOL / MIDDLE SCHOOL

FIRST FLOOR DEMOLITION PLAN - UNIT F

2-AD1F1

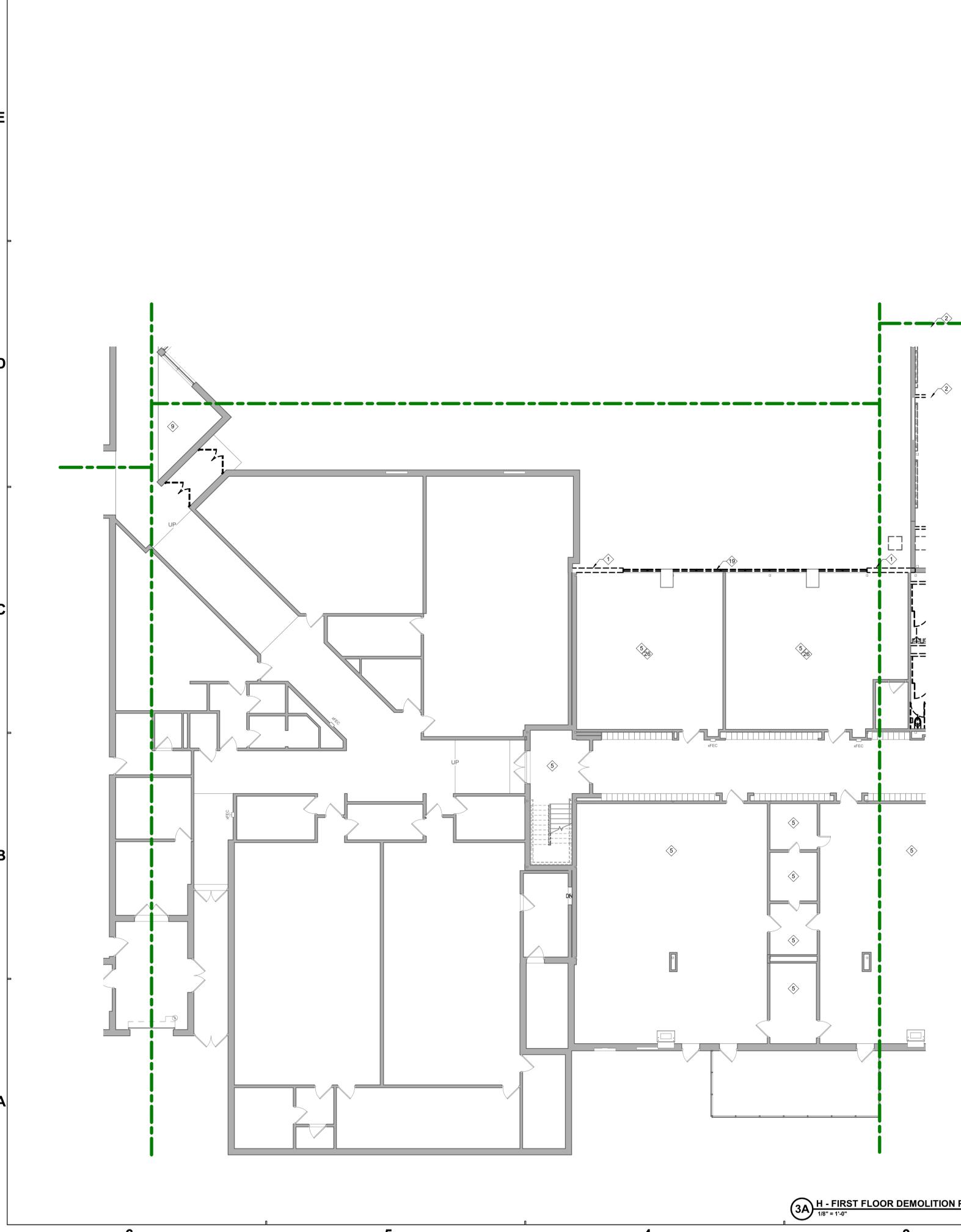
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 CHECKED BY: SCHMIDT ASSOCIATES  
 PROJECT: 2022-086.TGR  
 SHEET: 2-AD1F1

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| 10 | REMOVE EXISTING QUARRY/PORCELAIN TILE FLOOR AND BASE. PREP SLAB FOR NEW CONSTRUCTION/FINISH. REMOVE EXISTING QUARRY/PORCELAIN TILE FLOOR FINISH.   |
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| 23 | REMOVE EXISTING STARTING BLOCKS. PREP AND REPAIR ADJACENT AREAS TO REMAIN FOR NEW CONSTRUCTION AND STARTING BLOCKS BASE AND DECK DRAIN TRIM IN ITS ENTIRETY. PREP AND REPAIR ADJACENT AREAS FOR NEW CONSTRUCTION/FINISH.   |
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| 27 | REMOVE EXISTING DIVING BOARD, AND METAL FRAME COMPLETE. PREP FOR NEW DIVING BOARD AND FRAME.   |
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| 44 | REMOVAL OF EXISTING FLOOR CARPET, ASSOCIATED BASE, FLOOR TILE, AND ALL ASSOCIATED ADHESIVES IN THEIR ENTIRETY BY OTHERS.   |
| 45 | REMOVAL OF EXISTING FLOOR TILE, ASSOCIATED WALL BASE, AND ALL ASSOCIATED ADHESIVES IN THEIR ENTIRETY BY OTHERS.  |
| 46 | REMOVAL OF EXISTING WINDOW SYSTEM IN ITS ENTIRETY INCLUDING, BUT NOT LIMITED TO THE GLAZING, SPANDREL PANELS, WINDOW FRAME, SEALANTS, AND ALL RELATED ANCHORS - BY OWNER. PATCH AND REPAIR ADJACENT SURFACES TO REMAIN AND PREP FOR NEW CONSTRUCTION / FINISH.   |



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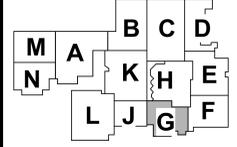
Project No. 2022-086.TGR  
Project Date 08.29.2023  
Produced TE MP

Sarah K. Hempstead

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#	Revision	Date
A2	Addendum #2	09.19.2023

3431 N 400 W  
Kokomo IN , 46901



KEY PLAN

NORTHWESTERN SCHOOL CORPORATION



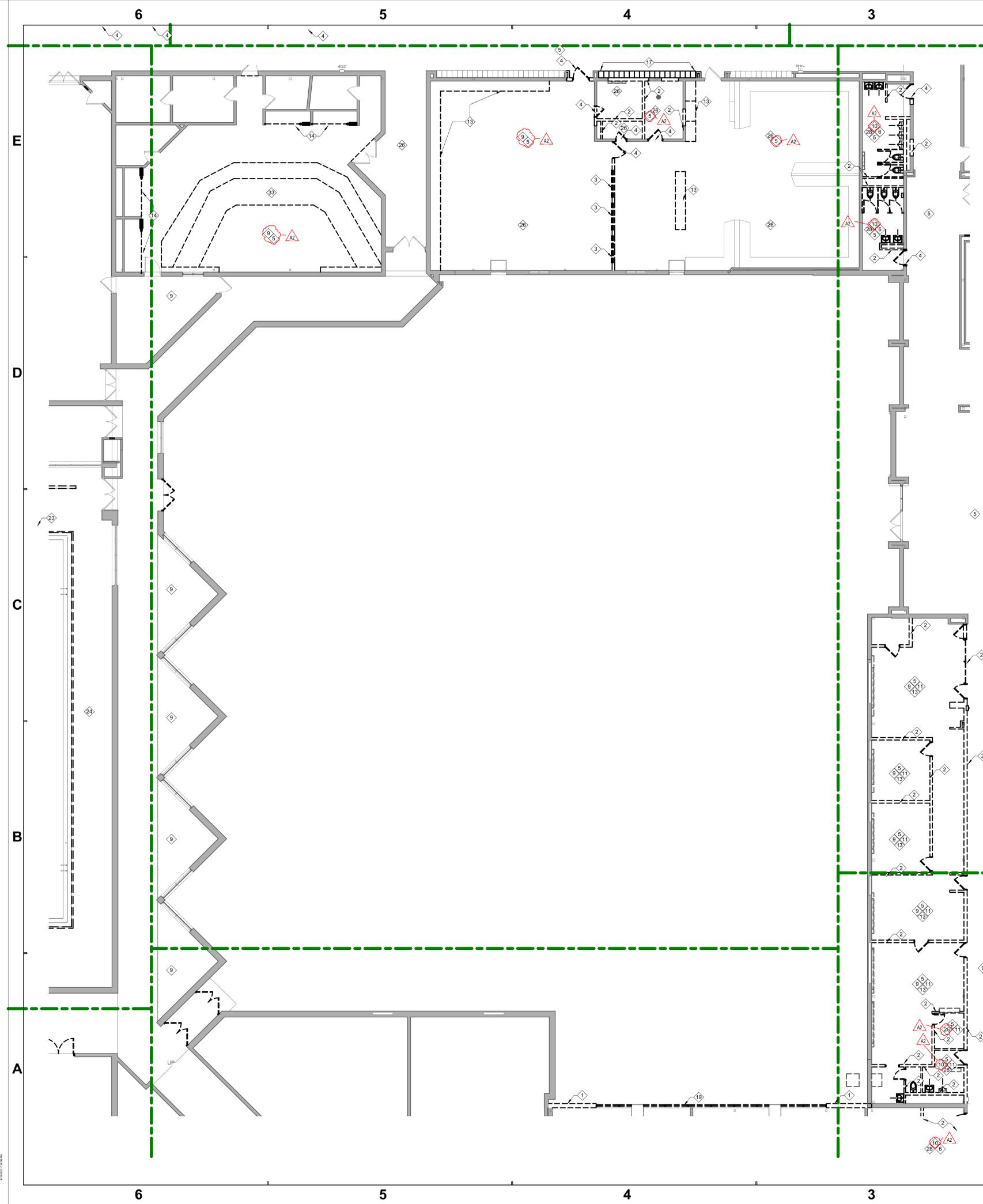
NORTHWESTERN HIGH SCHOOL / MIDDLE SCHOOL

FIRST FLOOR DEMOLITION PLAN - UNIT G

2-AD1G1

3A H - FIRST FLOOR DEMOLITION PLAN - UNIT G  
1/8" = 1'-0"

DATE: 09/19/2023 10:00 AM  
DRAWN BY: J. HENNING  
CHECKED BY: S. HENNING  
PROJECT: 2022-086.TGR  
SHEET: 2-AD1G1



### General Demolition Notes

- A. Contractor shall field-verify all existing conditions, dimensions, and arrangements.
- B. Contractor is responsible for protection of all existing surfaces, materials, and components to remain or be relocated. Damage to these resulting from performance of Work shall be repaired by Contractor to satisfaction of Owner and Architect at no additional expense to Owner.
- C. Contractor shall provide temporary dust protection as required to prevent construction debris and dust from migrating out of Project Area. Owner/Architect shall confirm all dust prevention measures/locations and shall determine changes to these measures.
- D. All existing equipment and fixtures shall remain property of Owner. All reusable items salvaged during demolition operations shall be retained for Owner's inspection. Only items so inspected and rejected by Owner shall be disposed. All other such items shall be turned over to Owner for disposition.
- E. All existing surfaces located adjacent to, or exposed by demolition work and scheduled to receive new construction shall be patched and repaired as required to cleanly receive new work.
- F. All existing surfaces located adjacent to, or exposed by demolition work and scheduled to remain exposed after completion of new const. shall be repaired and patched as required to receive new finishes.
- G. Owner will be responsible for removal/rearrangement of all existing loose furnishings during construction, unless noted otherwise.
- H. Refer to Mech./Elec. Drawings for additional patching and preparation work related to M.E.P. demolition items.
- I. Existing sleeves, holes, and other penetrations or new damage of existing building structure above grade exposed by demolition and removal of piping, appurtenances, equipment shall be patched and repaired as part of the Work. Maintain fire ratings of all and adjacent construction affected.
- J. Cap all piping to remain or abandoned in accordance with requirements of authority having jurisdiction and in accordance with all local and state plumbing and health codes. Utilize only pre-manufactured and approved fittings to cap existing piping.
- K. Each Contractor is responsible for all demolition work required or noted for installation of new Work. Demolition may include associated distribution systems, appurtenances, equipment supporting controls, and miscellaneous supports, unless noted otherwise.
- L. Coordinate all demolition with Project sequencing as directed by General Contractor or Construction Manager.

### DEMOLITION FLOOR PLAN NOTES

#	NOTE
1	REMOVE EXISTING EXTERIOR WALL CONSTRUCTION TO 8" BELOW FINISH FLOOR LINE IN ITS ENTIRETY TO LIMITS INDICATED. REMOVE ALL DOORS, FRAMES, WINDOWS AND MISCELLANEOUS FRAMING IN ITS ENTIRETY. PROTECT ALL EXISTING STRUCTURAL MEMBERS TO REMAIN FOR NEW WORK. PREPARE ADJACENT SURFACES FOR NEW WORK. REFERENCE A-SERIES AND I-SERIES FLOOR PLANS FOR FINISH CONDITIONS. REFER TO SECTIONS FOR FURTHER DEFINITION OF DEMOLITION WORK.
2	REMOVE EXISTING INTERIOR WALL CONSTRUCTION IN ITS ENTIRETY TO LIMITS INDICATED INCLUDING, BUT NOT LIMITED TO DOORS, FRAMES, WINDOWS AND ALL MISCELLANEOUS FRAMING. FIELD VERIFY ALL EXISTING WALL CONSTRUCTION PRIOR TO DEMOLITION. REFER TO ARCHITECTURAL AND INTERIOR FLOOR PLANS FOR FINISH CONDITIONS AND DIMENSIONS. NEW CONSTRUCTION TO TOOTH-IN TO EXISTING MASONRY COURSING WHERE APPLICABLE. PATCH AND REPAIR EXISTING ADJACENT SURFACES TO REMAIN AND PREP FOR NEW CONSTRUCTION.
3	REMOVE EXISTING ALUMINUM OR HOLLOW METAL STOREFRONT ENTRANCE SYSTEM IN ITS ENTIRETY, INCLUDING BUT NOT LIMITED TO ALL GLAZING, FRAMING, SEALANTS, DOORS, HARDWARE AND ACCESSORIES. PATCH AND REPAIR ADJACENT AND EXPOSED SURFACES.
4	REMOVE EXISTING DOORS AND ASSOCIATED FRAME. PREPARE OPENING TO RECEIVE NEW CONSTRUCTION.
5	REMOVE EXISTING SUSPENDED LAY-IN PANEL CEILING SYSTEM IN ITS ENTIRETY INCLUDING, BUT NOT LIMITED TO THE CEILING PADS, GRID, SUSPENSION WIRES, AND ALL RELATED ANCHORS. PATCH AND REPAIR EXISTING SURFACES TO REMAIN AND PREP FOR NEW CONSTRUCTION. REMOVE EXISTING GYPSUM BOARD CEILING ASSEMBLY COMPLETE LOCATED ABOVE EXISTING LAY-IN CEILING.
6	REMOVE EXISTING PLUMBING FIXTURES. REFER TO P-SERIES DRAWINGS. PATCH AND REPAIR EXISTING SURFACES TO REMAIN, INCLUDING BUT NOT LIMITED TO SLAB AND WALLS.
7	REMOVE EXISTING WALL AS REQUIRED FOR NEW WINDOW/DOOR OPENING. REMOVE ONLY AS REQUIRED FOR INSTALLATION OF NEW WINDOW/DOOR AND TOOTH IN EXISTING MASONRY. PROVIDE NEW STEEL LINTEL AT NEW OPENING REFERENCE S-SERIES FOR LINTEL SIZE.
8	REMOVE EXISTING WINDOW SYSTEM IN ITS ENTIRETY INCLUDING, BUT NOT LIMITED TO THE GLAZING, SPANDREL PANELS, WINDOW FRAME, SEALANTS, AND ALL RELATED ANCHORS. PATCH AND REPAIR ADJACENT SURFACES TO REMAIN AND PREP FOR NEW CONSTRUCTION/FINISH.
9	REMOVE EXISTING FLOOR CARPET AND ASSOCIATED BASE INCLUDING ADHESIVES IN THEIR ENTIRETY. PREPARE AREA TO RECEIVE NEW CONSTRUCTION. PATCH AND REPAIR EXISTING SURFACES TO REMAIN.
10	REMOVE EXISTING QUARRY/PORCELAIN TILE FLOOR AND BASE. PREP SLAB FOR NEW FINISH. REMOVE EXISTING CEILING MOUNTED ITEMS INCLUDING MARKER BOARDS/STRIPS, PAPER TOWEL HOLDERS, SHELVES, HOOKS, SHELVING, TELEVISIONS/BACKETS, ETC. AS REQUIRED. PATCH WALLS TO REMAIN AS REQUIRED TO MATCH ADJACENT SURFACES. PREPARE FOR NEW WALL FINISH.
11	REMOVE EXISTING CERAMIC TILE FLOORING IN ITS ENTIRETY INCLUDING, BUT NOT LIMITED TO THE CERAMIC TILE, GROUT, ADHESIVE AND RELATED WALL BASE. PATCH AND REPAIR EXISTING FLOOR SLAB AND WALL SURFACE FOR NEW CONSTRUCTION/FINISH.
12	REMOVE EXISTING CASEWORK OR MILLWORK IN ITS ENTIRETY, INCLUDING BUT NOT LIMITED TO ALL HARDWARE AND ACCESSORIES. PATCH AND REPAIR ADJACENT AND EXPOSED SURFACES TO RECEIVE NEW WORK.
13	REMOVE EXISTING BULKHEAD, ABANDONED MECHANICAL DUCTWORK, AND ACCORDION DOOR, INCLUDING, BUT NOT LIMITED TO ALL HARDWARE, TRACK, AND ASSOCIATED ACCESSORIES. PATCH AND REPAIR ADJACENT SURFACES TO REMAIN AND PREP FOR NEW CONSTRUCTION/FINISH.
14	REMOVE EXISTING CONCRETE FLOOR SLAB IN ITS ENTIRETY TO LIMITS INDICATED. REFERENCE S-SERIES DRAWINGS FOR ADDITIONAL INFORMATION. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND EXISTING BUILDING CONDITIONS IN THE FIELD.
15	REMOVE EXISTING CORRIDOR LOCKERS, ASSOCIATED CONCRETE BASE AND BULKHEAD WALL FRAMING.
16	REMOVE EXISTING OVERHEAD DOOR IN ITS ENTIRETY, INCLUDING BUT NOT LIMITED TO ALL HARDWARE AND ACCESSORIES. PATCH AND REPAIR ADJACENT EXPOSED SURFACES TO RECEIVE NEW WORK.
17	REMOVE EXISTING CURTAIN WALL COMPLETE. PATCH AND REPAIR EXISTING SURFACES TO REMAIN AND PREP FOR NEW CONSTRUCTION/FINISH.
18	REMOVE EXISTING "COURT YARD" AMENITIES COMPLETELY, INCLUDING BUT NOT LIMITED TO PAVERS, BENCHES, AND PLANTINGS. REMOVE AND PREP FOR NEW CONSTRUCTION COORDINATE NEW LOCATION WITH OWNER.
19	REMOVE ALL EXISTING STAGE CURTAINS, TRACKS AND RIGGING COMPLETE. PATCH AND REPAIR EXISTING SURFACES TO REMAIN AND PREP FOR NEW CONSTRUCTION/FINISH.
20	REMOVE EXISTING STAIR IN ITS ENTIRETY INCLUDING, BUT NOT LIMITED TO TREADS, RISERS, RAILINGS, ETC.
21	REMOVE EXISTING STARTING BLOCKS. PREP AND REPAIR ADJACENT AREAS TO REMAIN FOR NEW CONSTRUCTION AND STARTING BLOCKS BASE AND DECK DRAIN TRIM IN ITS ENTIRETY. PREP AND REPAIR ADJACENT AREAS FOR CONSTRUCTION/FINISH.
22	REMOVE EXISTING CERAMIC 1X1 TILE POOL DECK IN ITS ENTIRETY INCLUDING, BUT NOT LIMITED TO THE CERAMIC TILE, DRAIN COVERS, GROUT, ADHESIVE AND RELATED WALL BASE. PATCH AND REPAIR EXISTING FLOOR SLAB AND WALL SURFACE FOR NEW CONSTRUCTION/FINISH.
23	REMOVE EXISTING TERRAZZO FLOORING SYSTEM IN ITS ENTIRETY INCLUDING, BUT NOT LIMITED TO THE TERRAZZO, TERRAZZO BASE, TERRAZZO BASE AND ALL RELATED TRIMS/THRESHOLDS DOWN TO EXISTING CONCRETE FLOOR SLAB. PREP EXISTING SURFACES TO REMAIN FOR NEW CONSTRUCTION.
24	REMOVE EXISTING RESILIENT TILE FLOOR FINISH AND ASSOCIATED BASE INCLUDING ADHESIVES IN THEIR ENTIRETY. PREPARE AREA TO RECEIVE NEW CONSTRUCTION. PATCH AND REPAIR EXISTING SURFACES TO REMAIN.
25	REMOVE EXISTING DIVING BOARD, AND METAL FRAME COMPLETE. PREP FOR NEW DIVING BOARD AND FRAME.
26	REMOVE EXISTING TOILET PARTITIONS AND URINAL PARTITIONS IN THEIR ENTIRETY. PATCH AND REPAIR EXISTING SURFACES TO REMAIN AND PREP FOR NEW CONSTRUCTION/FINISH.
27	REMOVE EXISTING CONCRETE STEP, KNEE WALL AND FINISH IN ITS ENTIRETY. PATCH AND REPAIR ADJACENT SURFACES FOR NEW CONSTRUCTION.
28	REMOVE EXISTING ATHLETIC LOCKERS IN THEIR ENTIRETY INCLUDING, BUT NOT LIMITED TO THE LOCKERS, TRIMS, SLIPPED TOPS, CURS AND ALL ASSOCIATED ANCHORS TO LIMITS INDICATED. PATCH AND REPAIR EXISTING FLOOR SURFACES AND PREP FOR NEW CONSTRUCTION/FINISH.
29	REMOVE EXISTING CORRIDOR GATE IN ITS ENTIRETY. PATCH AND REPAIR ADJACENT SURFACES FOR NEW CONSTRUCTION/ FINISH.
30	REMOVE EXISTING EXTERIOR CANOPY IN ITS ENTIRETY. PATCH AND REPAIR ADJACENT SURFACES FOR NEW CONSTRUCTION/ FINISH.
31	REMOVE EXISTING TIRED FLOOR IN ITS ENTIRETY. PATCH AND REPAIR ADJACENT SURFACES FOR NEW CONSTRUCTION/ FINISH.
32	REMOVE EXISTING GYPSUM BOARD CEILING SYSTEM IN ITS ENTIRETY INCLUDING, BUT NOT LIMITED TO THE GYPSUM BOARD, SUSPENDED FRAMING AND ALL RELATED ANCHORS/FASTENERS. PATCH AND REPAIR EXISTING SURFACES TO REMAIN AND PREP FOR NEW CONSTRUCTION/FINISH.
33	REPLACE DAMAGED CEILING TILES AS REQUIRED.
34	REMOVE EXISTING WALL MOUNTED TABLES IN THEIR ENTIRETY.
35	CAREFULLY REMOVE EXISTING FIRE EXTINGUISHER CABINET, REINSTALL IN NEW LOCATION.
36	REMOVE EXISTING MECHANICAL EQUIPMENT IN ITS ENTIRETY. PATCH AND REPAIR EXISTING SURFACES FOR NEW CONSTRUCTION/FINISH. REFERENCE M-SERIES DWGS
37	REMOVE EXISTING STAIR AND LANDING IN ITS ENTIRETY. PATCH AND REPAIR EXISTING SURFACES FOR NEW CONSTRUCTION/FINISH.
38	REMOVE EXISTING WALL PADDING IN ITS ENTIRETY INCLUDING THE PADDING AND ALL RELATED ADHESIVES. PREP EXISTING WALL SURFACE FOR NEW FINISH. SEE I-SERIES DRAWINGS FOR NEW FINISH.
39	REMOVE EXISTING WALL BASE INCLUDING ADHESIVES IN THEIR ENTIRETY. PREPARE AREA TO RECEIVE NEW CONSTRUCTION. PATCH AND REPAIR EXISTING SURFACES TO REMAIN.
40	REMOVE EXISTING DISPLAY CASE IN ITS ENTIRETY INCLUDING BUT NOT LIMITED TO GLAZINGS, SHELVING. PREP AREA TO RECEIVE NEW CONSTRUCTION.
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2A H - FIRST FLOOR DEMOLITION PLAN - UNIT H  
1/8" = 1'-0"



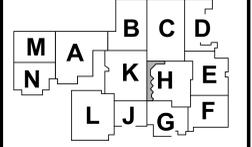
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#	Revision	Date
A2	Addendum #2	09.19.2023

3431 N 400 W  
Kokomo IN, 46901



### KEY PLAN

NORTHWESTERN SCHOOL CORPORATION



NORTHWESTERN HIGH SCHOOL / MIDDLE SCHOOL

FIRST FLOOR DEMOLITION PLAN - UNIT H  
2-AD1H1

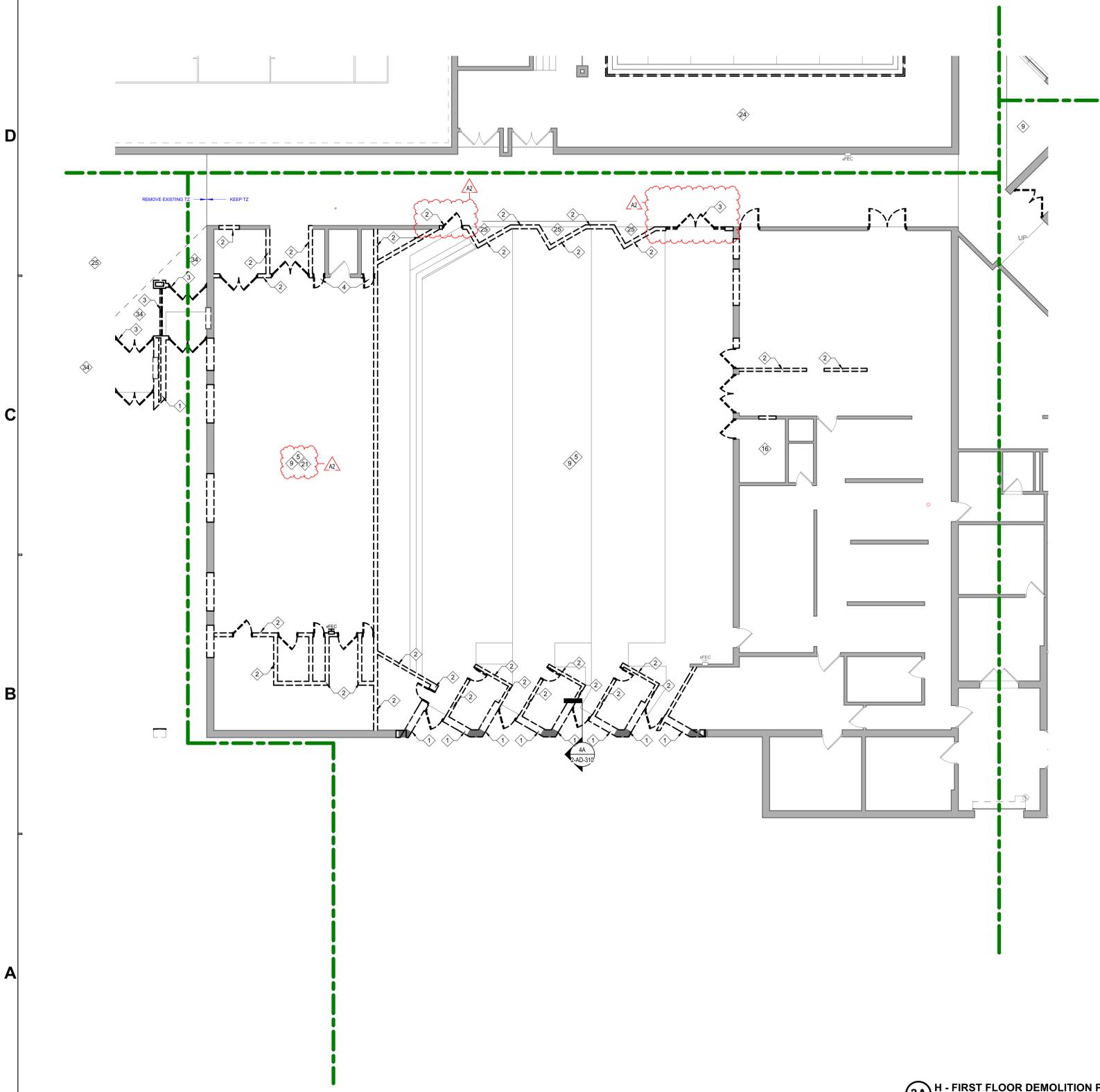
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### General Demolition Notes

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- E. All existing surfaces located adjacent to, or exposed by demolition work and scheduled to receive new construction shall be patched and repaired as required to cleanly receive new work.
- F. All existing surfaces located adjacent to, or exposed by demolition work and scheduled to remain exposed after completion of new const. shall be repaired and patched as required to receive new finishes.
- G. Owner will be responsible for removal/rearrangement of all existing loose furnishings during construction, unless noted otherwise.
- H. Refer to Mech./Elec. Drawings for additional patching and preparation work related to M.E.P. demolition items.
- I. Existing sleeves, holes, and other penetrations or new damage of existing building structure above grade exposed by demolition and removal of piping, appurtenances, equipment shall be patched and repaired as part of the Work. Maintain fire ratings of all and adjacent construction affected.
- J. Cap all piping to remain or abandoned in accordance with requirements of authority having jurisdiction and in accordance with all local and state plumbing and health codes. Utilize only pre-manufactured and approved fittings to cap existing piping.
- K. Each Contractor is responsible for all demolition work required or noted for installation of new Work. Demolition may include associated distribution systems, appurtenances, equipment supporting controls, and miscellaneous supports, unless noted otherwise.
- L. Coordinate all Demolition with Project sequencing as directed by General Contractor or Construction Manager.

### DEMOLITION FLOOR PLAN NOTES

- | #  | NOTE   |
|----|--|
| 1  | REMOVE EXISTING EXTERIOR WALL CONSTRUCTION TO 8" BELOW FINISH FLOOR LINE IN ITS ENTIRETY TO LIMITS INDICATED. REMOVE ALL DOORS, FRAMES, WINDOWS AND MISCELLANEOUS FRAMING IN ITS ENTIRETY. PROTECT ALL EXISTING STRUCTURAL MEMBERS TO REMAIN. PREPARE ADJACENT SURFACES TO REMAIN FOR NEW WORK. REFERENCE S-SERIES AND I-SERIES FLOOR PLANS FOR FINISH CONDITIONS. REFER TO SECTION(S) FOR FURTHER DEFINITION OF DEMOLITION WORK.  |
| 2  | REMOVE EXISTING INTERIOR WALL CONSTRUCTION IN ITS ENTIRETY TO LIMITS INDICATED INCLUDING, BUT NOT LIMITED TO DOORS, FRAMES, WINDOWS AND ALL MISCELLANEOUS FRAMING. FIELD VERIFY ALL EXISTING WALL CONSTRUCTION PRIOR TO DEMOLITION. REFER TO ARCHITECTURAL AND INTERIOR FLOOR PLANS FOR FINISH CONDITIONS AND DIMENSIONS. NEW CONSTRUCTION TO TOOTH-IN TO EXISTING MASONRY COURSE WHERE APPLICABLE. PATCH AND REPAIR EXISTING ADJACENT SURFACES TO REMAIN AND PREP FOR NEW CONSTRUCTION. |
| 3  | REMOVE EXISTING ALUMINUM OR HOLLOW METAL STOREFRONT ENTRANCE SYSTEM IN ITS ENTIRETY INCLUDING, BUT NOT LIMITED TO ALL GLAZING, FRAMING, SEALANTS, DOORS, HARDWARE AND ACCESSORIES. PATCH AND REPAIR ADJACENT AND EXPOSED SURFACES.   |
| 4  | REMOVE EXISTING DOORS AND ASSOCIATED FRAME. PREPARE OPENING TO RECEIVE NEW CONSTRUCTION.   |
| 5  | REMOVE EXISTING SUSPENDED LAY-IN PANEL CEILING SYSTEM IN ITS ENTIRETY INCLUDING, BUT NOT LIMITED TO THE CEILING PADS, GRID, SUSPENSION WIRES, AND ALL RELATED ANCHORS. PATCH AND REPAIR EXISTING SURFACES TO REMAIN AND PREP FOR NEW CONSTRUCTION/FINISH. REMOVE EXISTING GYPSUM BOARD CEILING ASSEMBLY COMPLETE LOCATED ABOVE EXISTING LAY-IN CEILING.  |
| 6  | REMOVE EXISTING PLUMBING FIXTURES. REFER TO P-SERIES DRAWINGS. PATCH AND REPAIR EXISTING SURFACES TO REMAIN, INCLUDING BUT NOT LIMITED TO SLAB AND WALLS.  |
| 7  | REMOVE EXISTING WALL AS REQUIRED FOR NEW WINDOW/DOOR OPENING. REMOVE ONLY AS REQUIRED FOR INSTALLATION OF NEW WINDOW/DOOR AND TOOTH-IN EXISTING MASONRY. PROVIDE NEW STEEL LINTEL AT NEW OPENING REFERENCE S-SERIES FOR LINTEL SIZE.   |
| 8  | REMOVE EXISTING WINDOW SYSTEM IN ITS ENTIRETY INCLUDING, BUT NOT LIMITED TO THE GLAZING, SPANDREL PANELS, WINDOW FRAME, SEALANTS, AND ALL RELATED ANCHORS. PATCH AND REPAIR ADJACENT SURFACES TO REMAIN AND PREP FOR NEW CONSTRUCTION/FINISH.  |
| 9  | REMOVE EXISTING FLOOR CARPET AND ASSOCIATED BASE INCLUDING ADHESIVES IN THEIR ENTIRETY. PREPARE AREA TO RECEIVE NEW CONSTRUCTION. PATCH AND REPAIR EXISTING SURFACES TO REMAIN.  |
| 10 | REMOVE EXISTING RESILIENT TILE FLOOR AND BASE. PREP SLAB FOR INFILL TO NEW FINISH FLOOR ELEVATION AND NEW FLOOR FINISH.  |
| 11 | REMOVE EXISTING WALL OR CEILING MOUNTED ITEMS INCLUDING MARKER BOARDS/STRIPS, PAPER TOWEL HOLDERS, LOCKERS, SHEDDING, TELEVISIONS/BRACKETS, ETC. AS REQUIRED. PATCH WALLS TO REMAIN AS REQUIRED TO MATCH ADJACENT SURFACES. PREPARE FOR NEW WALL FINISH.   |
| 12 | REMOVE EXISTING CERAMIC TILE FLOORING IN ITS ENTIRETY INCLUDING, BUT NOT LIMITED TO THE CERAMIC TILE, GROUT, ADHESIVE AND RELATED WALL BASE. PATCH AND REPAIR EXISTING FLOOR SLAB AND WALL SURFACE FOR NEW CONSTRUCTION/FINISH.  |
| 13 | REMOVE EXISTING CASEWORK OR MILLWORK IN ITS ENTIRETY INCLUDING BUT NOT LIMITED TO ALL HARDWARE AND ACCESSORIES. PATCH AND REPAIR ADJACENT AND EXPOSED SURFACES TO RECEIVE NEW WORK.  |
| 14 | REMOVE EXISTING BUILDING ABANDONED MECHANICAL DUCTWORK AND ACCORDION DOOR, INCLUDING, BUT NOT LIMITED TO HARDWARE, TRACK, AND ASSOCIATED ACCESSORIES. PATCH AND REPAIR EXISTING ADJACENT SURFACES TO REMAIN AND PREP FOR NEW CONSTRUCTION/FINISH.  |
| 15 | REMOVE EXISTING W/GROUND OFF SYSTEM PATCH AND REPAIR EXISTING SURFACES TO REMAIN AND PREP FOR NEW CONSTRUCTION/FINISH.   |
| 16 | REMOVE EXISTING CONCRETE FLOOR SLAB IN ITS ENTIRETY TO LIMITS INDICATED. REFERENCE S-SERIES DRAWINGS FOR ADDITIONAL INFORMATION. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND EXISTING BUILDING CONDITIONS IN THE FIELD.   |
| 17 | REMOVE EXISTING CORRIDOR LOCKERS, ASSOCIATED CONCRETE BASE AND BULKHEAD WALL FRAMING.  |
| 18 | REMOVE EXISTING OVERHEAD DOOR IN ITS ENTIRETY INCLUDING BUT NOT LIMITED TO ALL HARDWARE AND ACCESSORIES. PATCH AND REPAIR ADJACENT EXPOSED SURFACES TO RECEIVE NEW WORK.   |
| 19 | REMOVE EXISTING CURTAIN WALL COMPLETE. PATCH AND REPAIR EXISTING SURFACES TO REMAIN AND PREP FOR NEW CONSTRUCTION/FINISH.  |
| 20 | REMOVE EXISTING "COURT YARD" AMENITIES COMPLETELY INCLUDING BUT NOT LIMITED TO PAVERS, BENCHES, AND PLANTINGS. REMOVE AND PREP FOR NEW CONSTRUCTION COORDINATE NEW LOCATION WITH OWNER.  |
| 21 | REMOVE ALL EXISTING STAGE CURTAINS, TRACKS AND RIGGING COMPLETE. PATCH AND REPAIR EXISTING SURFACES TO REMAIN AND PREP FOR NEW CONSTRUCTION/FINISH.  |
| 22 | REMOVE EXISTING STAIR IN ITS ENTIRETY INCLUDING, BUT NOT LIMITED TO TREADS, RISERS, RAILINGS, ETC.   |
| 23 | REMOVE EXISTING STARTING BLOCKS. PREP AND REPAIR ADJACENT AREAS TO REMAIN FOR NEW CONSTRUCTION AND STARTING BLOCKS BASE AND DECK DRAIN TRIM IN ITS ENTIRETY. PREP AND REPAIR ADJACENT AREAS FOR CONSTRUCTION/FINISH.   |
| 24 | REMOVE EXISTING CERAMIC 1X1 TILE POOL DECK IN ITS ENTIRETY INCLUDING, BUT NOT LIMITED TO THE CERAMIC TILE, DRAIN COVERS, GROUT, ADHESIVE AND RELATED WALL BASE. PATCH AND REPAIR EXISTING FLOOR SLAB AND WALL SURFACE FOR NEW CONSTRUCTION/FINISH.   |
| 25 | REMOVE EXISTING TERRAZZO FLOORING SYSTEM IN ITS ENTIRETY INCLUDING, BUT NOT LIMITED TO THE TERRAZZO, TERRAZZO BASE, MORTAR BASE AND ALL RELATED TRIMS/THRESHOLDS DOWN TO EXISTING CONCRETE FLOOR SLAB. PREP EXISTING SURFACES TO REMAIN FOR NEW CONSTRUCTION.  |
| 26 | REMOVE EXISTING RESILIENT TILE FLOOR FINISH AND ASSOCIATED BASE INCLUDING ADHESIVES IN THEIR ENTIRETY. PREPARE AREA TO RECEIVE NEW CONSTRUCTION. PATCH AND REPAIR EXISTING SURFACES TO REMAIN.   |
| 27 | REMOVE EXISTING DIVING BOARD, AND METAL FRAME COMPLETE. PREP FOR NEW DIVING BOARD AND FRAME.   |
| 28 | REMOVE EXISTING TOILET PARTITIONS AND URINAL PARTITIONS IN THEIR ENTIRETY. PATCH AND REPAIR EXISTING SURFACES TO REMAIN AND PREP FOR NEW CONSTRUCTION/FINISH.  |
| 29 | REMOVE EXISTING CONCRETE STEP, KNEE WALL AND FINISH IN ITS ENTIRETY. PATCH AND REPAIR ADJACENT SURFACES FOR NEW CONSTRUCTION.  |
| 30 | REMOVE EXISTING ATHLETIC LOCKERS IN THEIR ENTIRETY INCLUDING, BUT NOT LIMITED TO THE LOCKERS, TRIMS, SLOPPED TOPS, CURB AND ALL ASSOCIATED ANCHORS TO LIMITS INDICATED. PATCH AND REPAIR EXISTING FLOOR SURFACES AND PREP FOR NEW CONSTRUCTION/ FINISH.  |
| 31 | REMOVE EXISTING CORRIDOR GATE IN ITS ENTIRETY. PATCH AND REPAIR ADJACENT SURFACES FOR NEW CONSTRUCTION/ FINISH.  |
| 32 | REMOVE EXISTING EXTERIOR CANOPY IN ITS ENTIRETY. PATCH AND REPAIR ADJACENT SURFACES FOR NEW CONSTRUCTION/ FINISH.  |
| 33 | REMOVE EXISTING TIERED FLOOR IN ITS ENTIRETY. PATCH AND REPAIR ADJACENT SURFACES FOR NEW CONSTRUCTION/ FINISH.   |
| 34 | REMOVE EXISTING GYPSUM BOARD CEILING SYSTEM IN ITS ENTIRETY INCLUDING, BUT NOT LIMITED TO THE GYPSUM BOARD, SUSPENDED FRAMING AND ALL RELATED ANCHORS/FASTENERS. PATCH AND REPAIR EXISTING SURFACES TO REMAIN AND PREP FOR NEW CONSTRUCTION/FINISH.  |
| 35 | REPLACE DAMAGED CEILING TILES AS REQUIRED  |
| 36 | REMOVE EXISTING WALL MOUNTED TABLES IN THEIR ENTIRETY.   |
| 37 | CAREFULLY REMOVE EXISTING FIRE EXTINGUISHER CABINET. REINSTALL IN NEW LOCATION.  |
| 38 | REMOVE EXISTING MECHANICAL EQUIPMENT IN ITS ENTIRETY. PATCH AND REPAIR EXISTING SURFACES FOR NEW CONSTRUCTION/FINISH. REFERENCE M-SERIES DWGS  |
| 39 | REMOVE EXISTING STAIR AND LANDING IN ITS ENTIRETY. PATCH AND REPAIR EXISTING SURFACES FOR NEW CONSTRUCTION/FINISH.   |
| 40 | REMOVE EXISTING WALL PADDING IN ITS ENTIRETY INCLUDING THE PADDING AND ALL RELATED ADHESIVES. PREP EXISTING WALL SURFACE FOR NEW FINISH. SEE S-SERIES DRAWINGS FOR NEW FINISH.   |
| 41 | REMOVE EXISTING WALL BASE INCLUDING ADHESIVES IN THEIR ENTIRETY. PREPARE AREA TO RECEIVE NEW CONSTRUCTION. PATCH AND REPAIR EXISTING SURFACES TO REMAIN.   |
| 42 | DEMO HOUSE KEEPING PAD IN ITS ENTIRETY. PATCH AND REPAIR ADJACENT SURFACES FOR NEW CONSTRUCTION.   |
| 43 | REMOVE DISPLAY CASE IN ITS ENTIRETY INCLUDING BUT NOT LIMITED TO GLAZING, SHELVING. PREP AREA TO RECEIVE NEW CONSTRUCTION.   |
| 44 | REMOVAL OF EXISTING FLOOR CARPET, ASSOCIATED BASE, FLOOR TILE, AND ALL ASSOCIATED ADHESIVES IN THEIR ENTIRETY BY OTHERS.   |
| 45 | REMOVAL OF EXISTING FLOOR TILE, ASSOCIATED WALL BASE, AND ALL ASSOCIATED ADHESIVES IN THEIR ENTIRETY BY OTHERS.  |
| 46 | REMOVAL OF EXISTING WINDOW SYSTEM IN ITS ENTIRETY INCLUDING, BUT NOT LIMITED TO THE GLAZING, SPANDREL PANELS, WINDOW FRAME, SEALANTS, AND ALL RELATED ANCHORS - BY OWNER. PATCH AND REPAIR ADJACENT SURFACES TO REMAIN AND PREP FOR NEW CONSTRUCTION / FINISH.   |



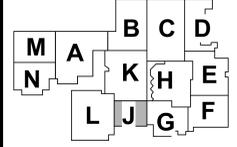
Project No. 2022-086.TGR  
 Project Date 08.29.2023  
 Produced TE MP



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#	Revision	Date
A2	Addendum #2	09.19.2023

3431 N 400 W  
 Kokomo IN , 46901



KEY PLAN

NORTHWESTERN SCHOOL CORPORATION



NORTHWESTERN HIGH SCHOOL / MIDDLE SCHOOL

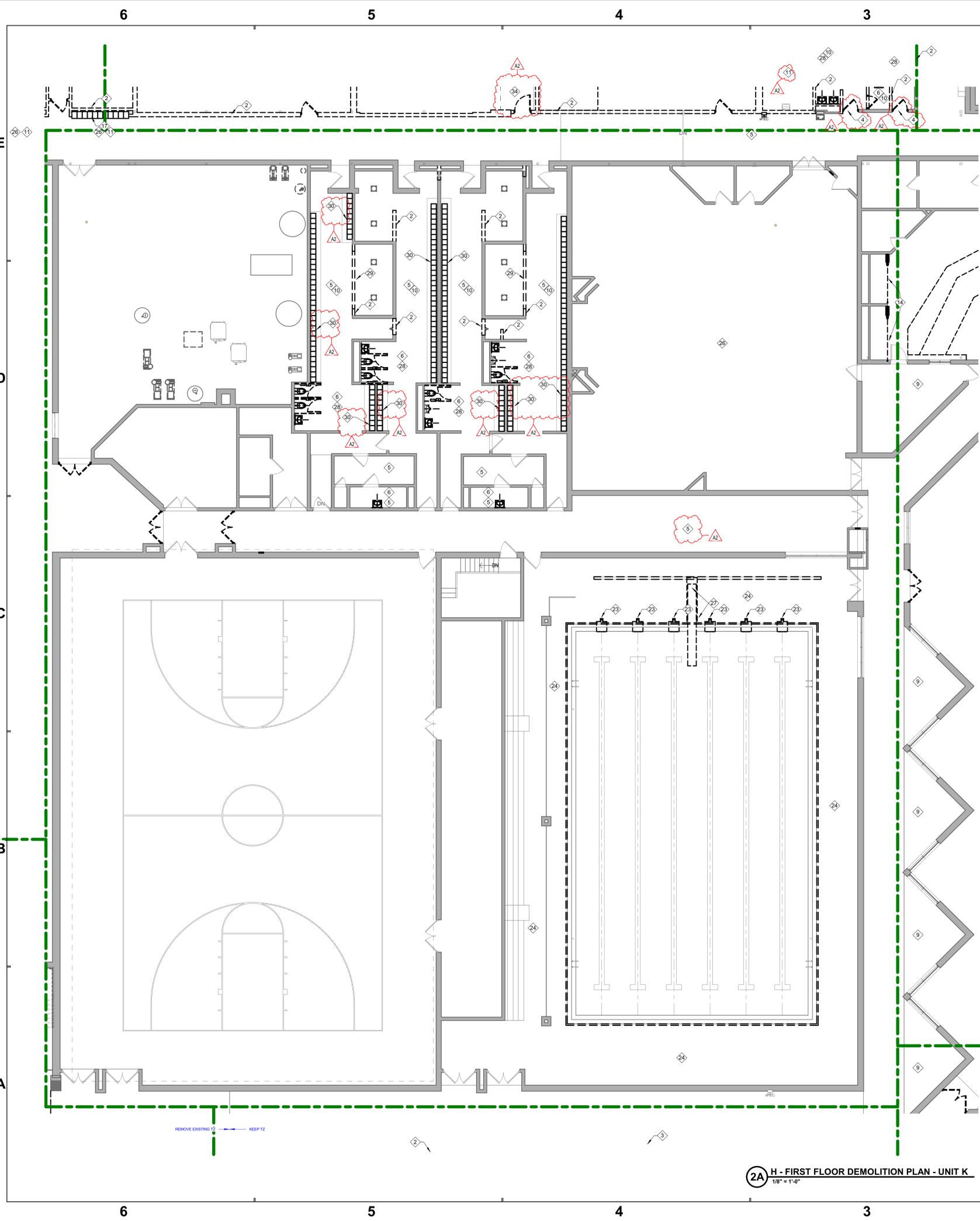
FIRST FLOOR DEMOLITION PLAN - UNIT J

2-AD1J1

3A H - FIRST FLOOR DEMOLITION PLAN - UNIT J  
 1/8" = 1'-0"

6 5 4 3 2 1

ARCHITECT: SCHMIDT ASSOCIATES, INC., 415 MASSACHUSETTS AVENUE, INDIANAPOLIS, IN 46204  
 PROJECT NO. 2022-086.TGR  
 SHEET NO. 2-AD1J1  
 DATE: 08.29.2023



**General Demolition Notes**

- A. Contractor shall field-verify all existing conditions, dimensions, and arrangements.
- B. Contractor is responsible for protection of all existing surfaces, materials, and components to remain or be relocated. Damage to these resulting from performance of Work shall be repaired by Contractor to satisfaction of Owner and Architect at no additional expense to Owner.
- C. Contractor shall provide temporary dust protection as required to prevent construction debris and dust from migrating out of Project Area. Owner/Architect shall confirm all dust prevention measures/locations and shall determine changes to these measures.
- D. All existing equipment and fixtures shall remain property of Owner. All reusable items salvaged during demolition operations shall be retained for Owner's inspection. Only items so inspected and rejected by Owner shall be disposed. All other such items shall be turned over to Owner for disposition.
- E. All existing surfaces located adjacent to, or exposed by demolition work and scheduled to receive new construction shall be patched and repaired as required to clearly receive new work.
- F. All existing surfaces located adjacent to, or exposed by demolition work and scheduled to remain exposed after completion of new const. shall be repaired and patched as required to receive new finishes.
- G. Owner will be responsible for removal/rearrangement of all existing loose furnishings during construction, unless noted otherwise.
- H. Refer to Mech./Elec. Drawings for additional patching and preparation work related to M.E.P. demolition items.
- I. Existing sleeves, holes, and other penetrations or new damage of existing building structure above grade exposed by demolition and removal of piping, apparatuses, equipment shall be patched and repaired as part of the Work. Maintain fire ratings of all and adjacent construction affected.
- J. Cap all piping to remain or abandoned in accordance with requirements of authority having jurisdiction and in accordance with all local and state plumbing and health codes. Utilize only pre-manufactured and approved fittings to cap existing piping.
- K. Each Contractor is responsible for all demolition work required or noted for installation of new Work. Demolition may include associated distribution systems, apparatuses, equipment supporting controls, and miscellaneous supports, unless noted otherwise.
- L. Coordinate all Demolition with Project sequencing as directed by General Contractor or Construction Manager.

**DEMOLITION FLOOR PLAN NOTES**

- | #  | NOTE   |
|----|--|
| 1  | REMOVE EXISTING EXTERIOR WALL CONSTRUCTION TO 8" BELOW FINISH FLOOR LINE IN ITS ENTIRETY TO LIMITS INDICATED. REMOVE ALL DOORS, FRAMES, WINDOWS AND MISCELLANEOUS FRAMING IN ITS ENTIRETY. PROTECT ALL EXISTING STRUCTURAL MEMBERS TO REMAIN. PREPARE ADJACENT SURFACES TO REMAIN FOR NEW WORK. REFERENCE A-SERIES AND I-SERIES FLOOR PLANS FOR FINISH CONDITIONS. REFER TO SECTIONS FOR FURTHER DETAIL WORK.  |
| 2  | REMOVE EXISTING INTERIOR WALL CONSTRUCTION IN ITS ENTIRETY TO LIMITS INDICATED INCLUDING, BUT NOT LIMITED TO DOORS, FRAMES, WINDOWS AND ALL MISCELLANEOUS FRAMING. FIELD VERIFY ALL EXISTING WALL CONSTRUCTION PRIOR TO DEMOLITION. REFER TO ARCHITECTURE AND INTERIOR FLOOR PLANS FOR FINISH CONDITIONS AND DIMENSIONS. NEW CONSTRUCTION TO TOOTH-IN TO ADJACENT MASONRY COURSES WHERE APPLICABLE. PATCH AND REPAIR EXISTING ADJACENT SURFACES TO REMAIN AND PREP FOR NEW CONSTRUCTION. |
| 3  | REMOVE EXISTING ALUMINUM OR HOLLOW METAL STOREFRONT ENTRANCE SYSTEM IN ITS ENTIRETY, INCLUDING BUT NOT LIMITED TO ALL GLAZING, FRAMING, SEALANTS, DOORS, HARDWARE AND ACCESSORIES. PATCH AND REPAIR ADJACENT AND EXPOSED SURFACES.   |
| 4  | REMOVE EXISTING DOORS AND ASSOCIATED FRAME. PREPARE OPENING TO RECEIVE NEW CONSTRUCTION.   |
| 5  | REMOVE EXISTING SUSPENDED LAY-IN PANEL CEILING SYSTEM IN ITS ENTIRETY INCLUDING, BUT NOT LIMITED TO THE CEILING PADS, GRID, SUSPENSION WIRES, AND ALL RELATED ANCHORS. PATCH AND REPAIR EXISTING SURFACES TO REMAIN AND PREP FOR NEW CONSTRUCTION/FINISH. REMOVE EXISTING GYPSUM BOARD CEILING ASSEMBLY COMPLETE LOCATED ABOVE EXISTING LAY-IN CEILING.  |
| 6  | REMOVE EXISTING PLUMBING FIXTURES. REFER TO P-SERIES DRAWINGS. PATCH AND REPAIR EXISTING SURFACES TO REMAIN, INCLUDING BUT NOT LIMITED TO SLAB AND WALLS.  |
| 7  | REMOVE EXISTING WALL AS REQUIRED FOR NEW WINDOW/DOOR OPENING. REMOVE ONLY AS REQUIRED FOR INSTALLATION OF NEW WINDOW/DOOR AND TOOTH-IN TO EXISTING MASONRY COURSE. PROVIDE NEW STEEL LINTEL AT NEW OPENING REFERENCE S-SERIES FOR LINTEL SIZE.   |
| 8  | REMOVE EXISTING WINDOW SYSTEM IN ITS ENTIRETY INCLUDING, BUT NOT LIMITED TO THE GLAZING, SPANDREL PANELS, WINDOW FRAME, SEALANTS, AND ALL RELATED ANCHORS. PATCH AND REPAIR ADJACENT SURFACES TO REMAIN AND PREP FOR NEW CONSTRUCTION/FINISH.  |
| 9  | REMOVE EXISTING FLOOR CARPET AND ASSOCIATED BASE INCLUDING ADHESIVES IN THEIR ENTIRETY. PREPARE AREA TO RECEIVE NEW CONSTRUCTION. PATCH AND REPAIR EXISTING SURFACES TO REMAIN.  |
| 10 | REMOVE EXISTING QUARRY/PORCELAIN TILE FLOOR AND BASE. PREP SLAB FOR NEW FINISH FLOOR ELEVATION AND NEW FLOOR FINISH.   |
| 11 | REMOVE EXISTING WALL OR CEILING MOUNTED ITEMS INCLUDING MARKER BOARDS/STRIPS, PAPER TOWEL HOLDERS, SHELVES, HOOKS, SHELVING, TRIM, RISERS, ETC. AS REQUIRED. PATCH WALLS TO REMAIN AS REQUIRED TO MATCH ADJACENT SURFACES. PREPARE FOR NEW WALL FINISH.  |
| 12 | REMOVE EXISTING CERAMIC TILE FLOORING IN ITS ENTIRETY INCLUDING, BUT NOT LIMITED TO THE CERAMIC TILE, GROUT, ADHESIVE AND RELATED WALL BASE. PATCH AND REPAIR EXISTING FLOOR SLAB AND WALL SURFACE FOR NEW CONSTRUCTION/FINISH.  |
| 13 | REMOVE EXISTING CASEWORK OR MILLWORK IN ITS ENTIRETY, INCLUDING BUT NOT LIMITED TO ALL HARDWARE AND ACCESSORIES. PATCH AND REPAIR ADJACENT AND EXPOSED SURFACES TO RECEIVE NEW WORK.   |
| 14 | REMOVE EXISTING BULKHEAD, ABANDONED MECHANICAL DUCTWORK, AND ACCORDION DOOR. REMOVE BUT NOT LIMITED TO HARDWARE, TRACK, AND ASSOCIATED ACCESSORIES. PATCH AND REPAIR EXISTING ADJACENT SURFACES TO REMAIN AND PREP FOR NEW CONSTRUCTION/FINISH.  |
| 15 | REMOVE EXISTING HANGING LIGHT SYSTEM PATCH AND REPAIR EXISTING SURFACES TO REMAIN AND PREP FOR NEW CONSTRUCTION/FINISH.  |
| 16 | REMOVE EXISTING CONCRETE FLOOR SLAB IN ITS ENTIRETY TO LIMITS INDICATED. REFERENCE S-SERIES DRAWINGS FOR ADDITIONAL INFORMATION. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND EXISTING BUILDING CONDITIONS IN THE FIELD.   |
| 17 | REMOVE EXISTING CORRIDOR LOCKERS, ASSOCIATED CONCRETE BASE AND BULKHEAD WALL FRAMING.  |
| 18 | REMOVE EXISTING OVERHEAD DOOR IN ITS ENTIRETY, INCLUDING BUT NOT LIMITED TO ALL HARDWARE AND ACCESSORIES. PATCH AND REPAIR ADJACENT EXPOSED SURFACES TO RECEIVE NEW WORK.  |
| 19 | REMOVE EXISTING CURTAIN WALL COMPLETE. PATCH AND REPAIR EXISTING SURFACES TO REMAIN AND PREP FOR NEW CONSTRUCTION/FINISH.  |
| 20 | REMOVE EXISTING "COURT YARD" AMENITIES COMPLETELY, INCLUDING BUT NOT LIMITED TO PAVERS, BENCHES, AND PLANTINGS. REMOVE AND PREP FOR NEW CONSTRUCTION COORDINATE NEW LOCATION WITH OWNER.   |
| 21 | REMOVE ALL EXISTING STAGE CURTAINS, TRACKS AND RIGGING COMPLETE. PATCH AND REPAIR EXISTING SURFACES TO REMAIN AND PREP FOR NEW CONSTRUCTION/FINISH.  |
| 22 | REMOVE EXISTING STAIR IN ITS ENTIRETY INCLUDING, BUT NOT LIMITED TO TREADS, RISERS, RAILINGS, ETC.   |
| 23 | REMOVE EXISTING STARTING BLOCKS. PREP AND REPAIR ADJACENT AREAS TO REMAIN FOR NEW CONSTRUCTION AND STARTING BLOCKS BASE AND DECK DRAIN TRIM IN ITS ENTIRETY. PREP AND REPAIR ADJACENT AREAS FOR NEW CONSTRUCTION/FINISH.   |
| 24 | REMOVE EXISTING CERAMIC 1X1 TILE POOL DECK IN ITS ENTIRETY INCLUDING, BUT NOT LIMITED TO THE CERAMIC TILE, DRAIN COVERS, GROUT, ADHESIVE AND RELATED WALL BASE. PATCH AND REPAIR EXISTING FLOOR SLAB AND WALL SURFACE FOR NEW CONSTRUCTION/FINISH.   |
| 25 | REMOVE EXISTING TERRAZZO FLOORING SYSTEM IN ITS ENTIRETY, INCLUDING, BUT NOT LIMITED TO THE TERRAZZO, TERRAZZO BASE, MORTAR BASE AND ALL RELATED TRIMS/THRESHOLDS DOWN TO EXISTING CONCRETE FLOOR SLAB. PREP EXISTING SURFACES TO REMAIN FOR NEW CONSTRUCTION.   |
| 26 | REMOVE EXISTING RESILIENT TILE FLOOR FINISH AND ASSOCIATED BASE INCLUDING ADHESIVES IN THEIR ENTIRETY. PREPARE AREA TO RECEIVE NEW CONSTRUCTION. PATCH AND REPAIR EXISTING SURFACES TO REMAIN.   |
| 27 | REMOVE EXISTING DIVING BOARD, AND METAL FRAME COMPLETE. PREP FOR NEW DIVING BOARD AND FRAME.   |
| 28 | REMOVE EXISTING TOILET PARTITIONS AND URINAL PARTITIONS IN THEIR ENTIRETY. PATCH AND REPAIR EXISTING SURFACES TO REMAIN AND PREP FOR NEW CONSTRUCTION/FINISH.  |
| 29 | REMOVE EXISTING CONCRETE STEP, KNEE WALL AND FINISH IN ITS ENTIRETY. PATCH AND REPAIR ADJACENT SURFACES FOR NEW CONSTRUCTION.  |
| 30 | REMOVE EXISTING ATHLETIC LOCKERS IN THEIR ENTIRETY INCLUDING, BUT NOT LIMITED TO THE LOCKERS, TRIMS, SLOPPED TOPS, CURB AND ALL ASSOCIATED ANCHORS TO LIMITS INDICATED. PATCH AND REPAIR EXISTING FLOOR SURFACES AND PREP FOR NEW CONSTRUCTION/FINISH.   |
| 31 | REMOVE EXISTING CORRIDOR GATE IN ITS ENTIRETY. PATCH AND REPAIR ADJACENT SURFACES FOR NEW CONSTRUCTION/FINISH.   |
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| 33 | REMOVE EXISTING TIERED FLOOR IN ITS ENTIRETY. PATCH AND REPAIR ADJACENT SURFACES FOR NEW CONSTRUCTION/FINISH.  |
| 34 | REMOVE EXISTING GYPSUM BOARD CEILING SYSTEM IN ITS ENTIRETY INCLUDING, BUT NOT LIMITED TO THE GYPSUM BOARD, SUSPENDED FRAMING AND ALL RELATED ANCHORS/FASTENERS. PATCH AND REPAIR EXISTING SURFACES TO REMAIN AND PREP FOR NEW CONSTRUCTION/FINISH.  |
| 35 | REPLACE DAMAGED CEILING TILES AS REQUIRED.   |
| 36 | REMOVE EXISTING WALL MOUNTED TABLES IN THEIR ENTIRETY.   |
| 37 | CAREFULLY REMOVE EXISTING FIRE EXTINGUISHER CABINET. REINSTALL IN NEW LOCATION.  |
| 38 | REMOVE EXISTING MECHANICAL EQUIPMENT IN ITS ENTIRETY. PATCH AND REPAIR EXISTING SURFACES FOR NEW CONSTRUCTION/FINISH. REFERENCE M-SERIES DWGS.   |
| 39 | REMOVE EXISTING STAIR AND LANDING IN ITS ENTIRETY. PATCH AND REPAIR EXISTING SURFACES FOR NEW CONSTRUCTION/FINISH.   |
| 40 | REMOVE EXISTING WALL PADDING IN ITS ENTIRETY INCLUDING THE PADDING AND ALL RELATED ADHESIVES. PREP EXISTING WALL SURFACE FOR NEW FINISH. SEE I-SERIES DRAWINGS FOR NEW FINISH.   |
| 41 | REMOVE EXISTING WALL BASE INCLUDING ADHESIVES IN THEIR ENTIRETY. PREPARE AREA TO RECEIVE NEW CONSTRUCTION. PATCH AND REPAIR EXISTING SURFACES TO REMAIN.   |
| 42 | DEMO HOUSE KEEPING PAD IN ITS ENTIRETY. PATCH AND REPAIR ADJACENT SURFACES FOR NEW CONSTRUCTION.   |
| 43 | REMOVE DISPLAY CASE IN ITS ENTIRETY INCLUDING BUT NOT LIMITED TO GLAZINGS, SHELVING. PREP AREA TO RECEIVE NEW CONSTRUCTION.  |
| 44 | REMOVAL OF EXISTING FLOOR CARPET, ASSOCIATED BASE, FLOOR TILE, AND ALL ASSOCIATED ADHESIVES IN THEIR ENTIRETY BY OTHERS.   |
| 45 | REMOVAL OF EXISTING FLOOR TILE, ASSOCIATED WALL BASE, AND ALL ASSOCIATED ADHESIVES IN THEIR ENTIRETY BY OTHERS.  |
| 46 | REMOVAL OF EXISTING WINDOW SYSTEM IN ITS ENTIRETY INCLUDING, BUT NOT LIMITED TO THE GLAZING, SPANDREL PANELS, WINDOW FRAME, SEALANTS, AND ALL RELATED ANCHORS. BY OWNER. PATCH AND REPAIR ADJACENT SURFACES TO REMAIN AND PREP FOR NEW CONSTRUCTION/FINISH.  |

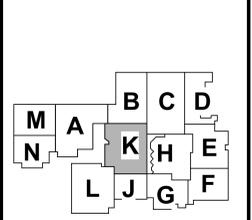
**SCHMIDT ASSOCIATES**  
415 Massachusetts Avenue  
Indianapolis, IN 46204  
www.schmidt-arch.com

Project No. 2022-086.TGR  
Project Date 08.29.2023  
Produced TE MP

Sarah K. Hempstead  
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#	Revision	Date
A2	Addendum #2	09.19.2023

3431 N 400 W  
Kokomo IN , 46901



**KEY PLAN**

**NORTHWESTERN SCHOOL CORPORATION**

**NORTHWESTERN HIGH SCHOOL / MIDDLE SCHOOL**

FIRST FLOOR  
DEMOLITION PLAN - UNIT K  
**2-AD1K1**

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

DATE: 08/29/2023 10:48:00 AM  
DRAWN BY: SCHMIDT ASSOCIATES ARCHITECTS  
CHECKED BY: SCHMIDT ASSOCIATES ARCHITECTS  
PROJECT: 2022-086.TGR

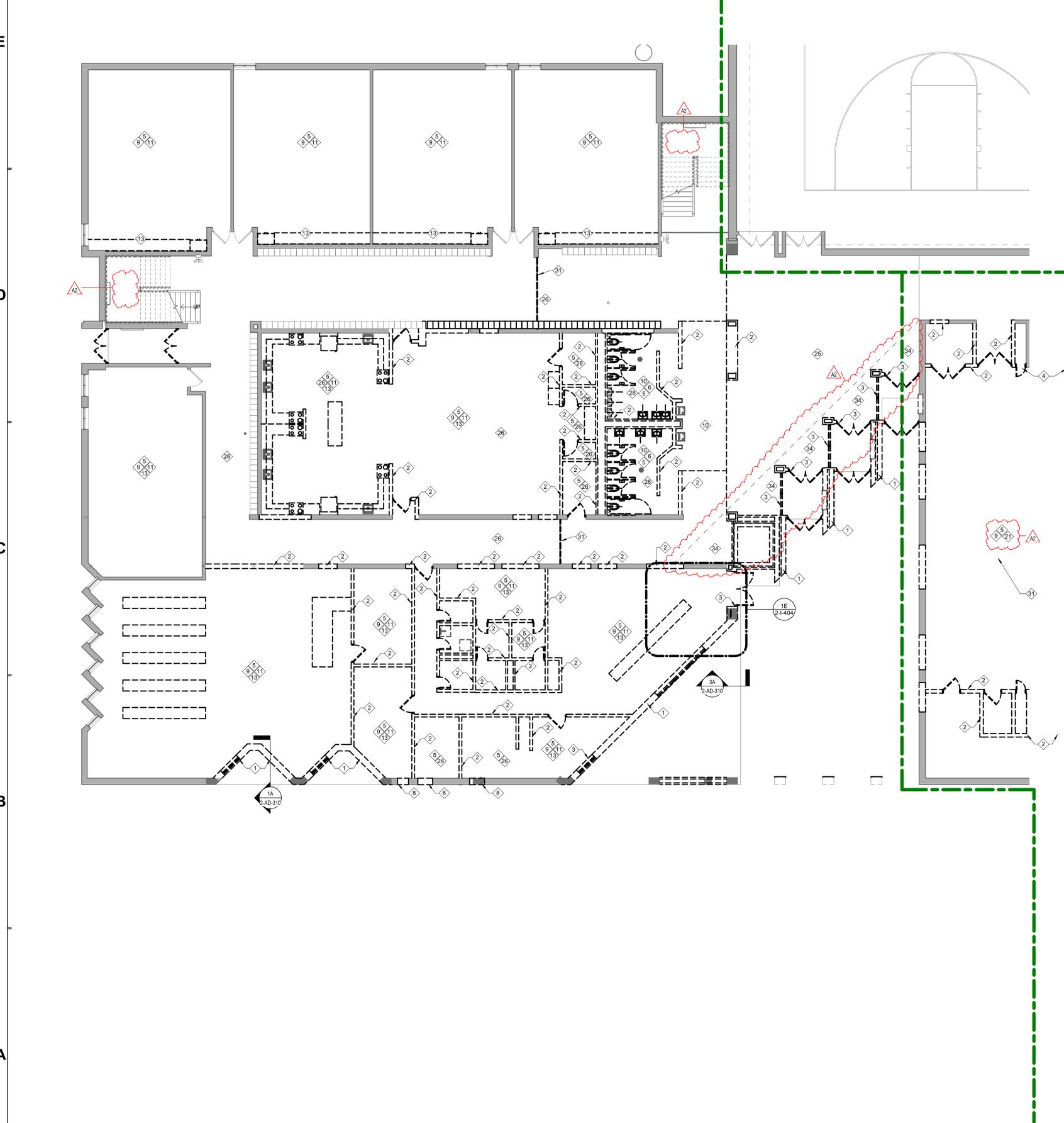
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### General Demolition Notes

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- L. Coordinate all demolition with Project sequencing as directed by General Contractor or Construction Manager.

### DEMOLITION FLOOR PLAN NOTES

- | #  | NOTE   |
|----|--|
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| 2  | REMOVE EXISTING INTERIOR WALL CONSTRUCTION IN ITS ENTIRETY TO LIMITS INDICATED INCLUDING, BUT NOT LIMITED TO DOORS, FRAMES, WINDOWS AND ALL MISCELLANEOUS FRAMING. FIELD VERIFY ALL EXISTING WALL CONSTRUCTION PRIOR TO DEMOLITION. REFER TO ARCHITECTURAL AND INTERIOR FLOOR PLANS FOR FINISH CONDITIONS AND DIMENSIONS. NEW CONSTRUCTION TO TOOTH-IN TO EXISTING MASONRY COURSE WHERE APPLICABLE. PATCH AND REPAIR EXISTING ADJACENT SURFACES TO REMAIN AND PREP FOR NEW CONSTRUCTION. |
| 3  | REMOVE EXISTING ALUMINUM OR HOLLOW METAL STOREFRONT ENTRANCE SYSTEM IN ITS ENTIRETY, INCLUDING BUT NOT LIMITED TO ALL GLAZING, FRAMING, SEALANTS, DOORS, HARDWARE AND ACCESSORIES. PATCH AND REPAIR ADJACENT AND EXPOSED SURFACES.   |
| 4  | REMOVE EXISTING DOORS AND ASSOCIATED FRAME. PREPARE OPENING TO RECEIVE NEW CONSTRUCTION.   |
| 5  | REMOVE EXISTING SUSPENDED LAY-IN PANEL CEILING SYSTEM IN ITS ENTIRETY INCLUDING, BUT NOT LIMITED TO THE CEILING PADS, GRID, SUSPENSION WIRES, AND ALL RELATED ANCHORS. PATCH AND REPAIR EXISTING SURFACES TO REMAIN AND PREP FOR NEW CONSTRUCTION/FINISH. REMOVE EXISTING GYPSUM BOARD CEILING ASSEMBLY COMPLETE LOCATED ABOVE EXISTING LAY-IN CEILING.  |
| 6  | REMOVE EXISTING PLUMBING FIXTURES. REFER TO P-SERIES DRAWINGS. PATCH AND REPAIR EXISTING SURFACES TO REMAIN, INCLUDING BUT NOT LIMITED TO SLAB AND WALLS.  |
| 7  | REMOVE EXISTING WALL AS REQUIRED FOR NEW WINDOW/DOOR OPENING. REMOVE ONLY AS REQUIRED FOR INSTALLATION OF NEW WINDOW/DOOR AND TOOTH IN EXISTING MASONRY. PROVIDE NEW STEEL LINTEL AT NEW OPENING REFERENCE S-SERIES FOR LINTEL SIZE.   |
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| 10 | REMOVE EXISTING QUARRY/PORCELAIN TILE FLOOR AND BASE. PREP SLAB FOR IN-PLACE NEW FINISH FLOOR ELEVATION AND NEW FLOOR FINISH.  |
| 11 | REMOVE EXISTING WALL OR CEILING MOUNTED ITEMS INCLUDING MARKER BOARDS/STRIPS, PAPER TOWEL HOLDERS, SHELVES, HOOKS, SHELVING, TELEVISIONS/BRACKETS, ETC. AS REQUIRED. PATCH WALLS TO REMAIN AS REQUIRED TO MATCH ADJACENT SURFACES. PREPARE FOR NEW WALL FINISH.  |
| 12 | REMOVE EXISTING CERAMIC TILE FLOORING IN ITS ENTIRETY, INCLUDING, BUT NOT LIMITED TO THE CERAMIC TILE, GROUT, ADHESIVE AND RELATED WALL BASE. PATCH AND REPAIR EXISTING FLOOR SLAB AND WALL SURFACE FOR NEW CONSTRUCTION/FINISH.   |
| 13 | REMOVE EXISTING CASEWORK OR MILLWORK IN ITS ENTIRETY, INCLUDING BUT NOT LIMITED TO ALL HARDWARE AND ACCESSORIES. PATCH AND REPAIR ADJACENT AND EXPOSED SURFACES TO RECEIVE NEW WORK.   |
| 14 | REMOVE EXISTING BULKHEAD, ABANDONED MECHANICAL DUCTWORK, AND ACCORDION DOOR, INCLUDING, BUT NOT LIMITED TO HARDWARE, TRACK, AND ASSOCIATED ACCESSORIES. PATCH AND REPAIR EXISTING ADJACENT SURFACES TO REMAIN AND PREP FOR NEW CONSTRUCTION/FINISH.  |
| 15 | REMOVE EXISTING IN-GROUND LIFT SYSTEM. PATCH AND REPAIR EXISTING SURFACES TO REMAIN AND PREP FOR NEW CONSTRUCTION/FINISH.  |
| 16 | REMOVE EXISTING WALL OR CONCRETE FLOOR SLAB IN ITS ENTIRETY TO LIMITS INDICATED. REFERENCE S-SERIES DRAWINGS FOR ADDITIONAL INFORMATION. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND EXISTING BUILDING CONDITIONS IN THE FIELD.   |
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| 18 | REMOVE EXISTING OVERHEAD DOOR IN ITS ENTIRETY, INCLUDING BUT NOT LIMITED TO ALL HARDWARE AND ACCESSORIES. PATCH AND REPAIR ADJACENT EXPOSED SURFACES TO RECEIVE NEW WORK.  |
| 19 | REMOVE EXISTING CURTAIN WALL COMPLETE. PATCH AND REPAIR EXISTING SURFACES TO REMAIN AND PREP FOR NEW CONSTRUCTION/FINISH.  |
| 20 | REMOVE EXISTING "COURTYARD" AMENITIES COMPLETELY, INCLUDING BUT NOT LIMITED TO PAVERS, BENCHES, AND PLANTINGS. REMOVE AND PREP FOR NEW CONSTRUCTION. COORDINATE NEW LOCATION WITH OWNER.   |
| 21 | REMOVE ALL EXISTING STAGE CURTAINS, TRACKS AND RIGGING COMPLETE. PATCH AND REPAIR EXISTING SURFACES TO REMAIN AND PREP FOR NEW CONSTRUCTION/FINISH.  |
| 22 | REMOVE EXISTING STAIR IN ITS ENTIRETY INCLUDING, BUT NOT LIMITED TO TREADS, RISERS, RAILINGS, ETC.   |
| 23 | REMOVE EXISTING STARTING BLOCKS. PREP AND REPAIR ADJACENT AREAS TO REMAIN FOR NEW CONSTRUCTION AND STARTING BLOCKS, BASE AND DECK DRAIN TRIM IN ITS ENTIRETY. PREP AND REPAIR ADJACENT AREAS FOR CONSTRUCTION/FINISH.  |
| 24 | REMOVE EXISTING CERAMIC 1X1 TILE POOL DECK IN ITS ENTIRETY INCLUDING, BUT NOT LIMITED TO THE CERAMIC TILE, DRAIN COVERS, GROUT, ADHESIVE AND RELATED WALL BASE. PATCH AND REPAIR EXISTING FLOOR SLAB AND WALL SURFACE FOR NEW CONSTRUCTION/FINISH.   |
| 25 | REMOVE EXISTING TERRAZZO FLOORING SYSTEM IN ITS ENTIRETY INCLUDING, BUT NOT LIMITED TO THE TERRAZZO, TERRAZZO BASE, MORTAR BASE AND ALL RELATED TRIMS/THRESHOLDS DOWN TO EXISTING CONCRETE FLOOR SLAB. PREP EXISTING SURFACES TO REMAIN FOR NEW CONSTRUCTION.  |
| 26 | REMOVE EXISTING RESILIENT TILE FLOOR FINISH AND ASSOCIATED BASE INCLUDING ADHESIVES IN THEIR ENTIRETY. PREPARE AREA TO RECEIVE NEW CONSTRUCTION. PATCH AND REPAIR EXISTING SURFACES TO REMAIN.   |
| 27 | REMOVE EXISTING DIVING BOARD, AND METAL FRAME COMPLETE. PREP FOR NEW DIVING BOARD AND FRAME.   |
| 28 | REMOVE EXISTING TOILET PARTITIONS AND URINAL PARTITIONS IN THEIR ENTIRETY. PATCH AND REPAIR EXISTING SURFACES TO REMAIN AND PREP FOR NEW CONSTRUCTION/FINISH.  |
| 29 | REMOVE EXISTING CONCRETE STEP, KNEE WALL AND FINISH IN ITS ENTIRETY. PATCH AND REPAIR ADJACENT SURFACES FOR NEW CONSTRUCTION.  |
| 30 | REMOVE EXISTING ATHLETIC LOCKERS IN THEIR ENTIRETY INCLUDING, BUT NOT LIMITED TO THE LOCKERS, TRIMS, SLOPPED TOPS, CURBS AND ALL ASSOCIATED ANCHORS TO LIMITS INDICATED. PATCH AND REPAIR EXISTING FLOOR SURFACES AND PREP FOR NEW CONSTRUCTION/ FINISH.   |
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| 32 | REMOVE EXISTING EXTERIOR CANOPY IN ITS ENTIRETY. PATCH AND REPAIR ADJACENT SURFACES FOR NEW CONSTRUCTION/ FINISH.  |
| 33 | REMOVE EXISTING TIRED FLOOR IN ITS ENTIRETY. PATCH AND REPAIR ADJACENT SURFACES FOR NEW CONSTRUCTION/ FINISH.  |
| 34 | REMOVE EXISTING GYPSUM BOARD CEILING SYSTEM IN ITS ENTIRETY INCLUDING, BUT NOT LIMITED TO THE GYPSUM BOARD, SUSPENDED FRAMING AND ALL RELATED ANCHORS/FASTENERS. PATCH AND REPAIR EXISTING SURFACES TO REMAIN AND PREP FOR NEW CONSTRUCTION/FINISH.  |
| 35 | REPLACE DAMAGED CEILING TILES AS REQUIRED.   |
| 36 | REMOVE EXISTING WALL MOUNTED TABLES IN THEIR ENTIRETY.   |
| 37 | CAREFULLY REMOVE EXISTING FIRE EXTINGUISHER CABINET. REINSTALL IN NEW LOCATION.  |
| 38 | REMOVE EXISTING MECHANICAL EQUIPMENT IN ITS ENTIRETY. PATCH AND REPAIR EXISTING SURFACES FOR NEW CONSTRUCTION/FINISH. REFERENCE M-SERIES DWGS.   |
| 39 | REMOVE EXISTING STAIR AND LANDING IN ITS ENTIRETY. PATCH AND REPAIR EXISTING SURFACES FOR NEW CONSTRUCTION/FINISH.   |
| 40 | REMOVE EXISTING WALL PADDING IN ITS ENTIRETY INCLUDING THE PADDING AND ALL RELATED ADHESIVES. PREP EXISTING WALL SURFACE FOR NEW FINISH. SEE I-SERIES DRAWINGS FOR NEW FINISH.   |
| 41 | REMOVE EXISTING WALL BASE INCLUDING ADHESIVES IN THEIR ENTIRETY. PREPARE AREA TO RECEIVE NEW CONSTRUCTION. PATCH AND REPAIR EXISTING SURFACES TO REMAIN.   |
| 42 | DEMO HOUSE KEEPING PAD IN ITS ENTIRETY. PATCH AND REPAIR ADJACENT SURFACES FOR NEW CONSTRUCTION.   |
| 43 | REMOVE DISPLAY CASE IN ITS ENTIRETY INCLUDING BUT NOT LIMITED TO GLAZINGS, SHELVING. PREP AREA TO RECEIVE NEW CONSTRUCTION.  |
| 44 | REMOVAL OF EXISTING FLOOR CARPET, ASSOCIATED BASE, FLOOR TILE, AND ALL ASSOCIATED ADHESIVES IN THEIR ENTIRETY BY OTHERS.   |
| 45 | REMOVAL OF EXISTING FLOOR TILE, ASSOCIATED WALL BASE, AND ALL ASSOCIATED ADHESIVES IN THEIR ENTIRETY BY OTHERS.  |
| 46 | REMOVAL OF EXISTING WINDOW SYSTEM IN ITS ENTIRETY INCLUDING, BUT NOT LIMITED TO THE GLAZING, SPANDREL PANELS, WINDOW FRAME, SEALANTS, AND ALL RELATED ANCHORS - BY OWNER. PATCH AND REPAIR ADJACENT SURFACES TO REMAIN AND PREP FOR NEW CONSTRUCTION / FINISH.   |



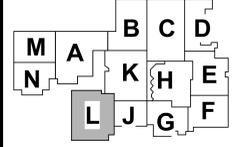
Project No. 2022-086.TGR  
 Project Date 08.29.2023  
 Produced TE MP



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#	Revision	Date
A2	Addendum #2	09.19.2023

3431 N 400 W  
 Kokomo IN, 46901



KEY PLAN

NORTHWESTERN SCHOOL CORPORATION



NORTHWESTERN HIGH SCHOOL / MIDDLE SCHOOL

FIRST FLOOR DEMOLITION PLAN - UNIT L  
 2-AD1L1

3A H - FIRST FLOOR DEMOLITION PLAN - UNIT L  
 1/8" = 1'-0"

6 5 4 3 2 1

SCALE: 1/8" = 1'-0"  
 DATE: 08.29.2023  
 DRAWN BY: SCHMIDT ASSOCIATES  
 CHECKED BY: SCHMIDT ASSOCIATES  
 PROJECT: 2022-086.TGR  
 SHEET: 2-AD1L1

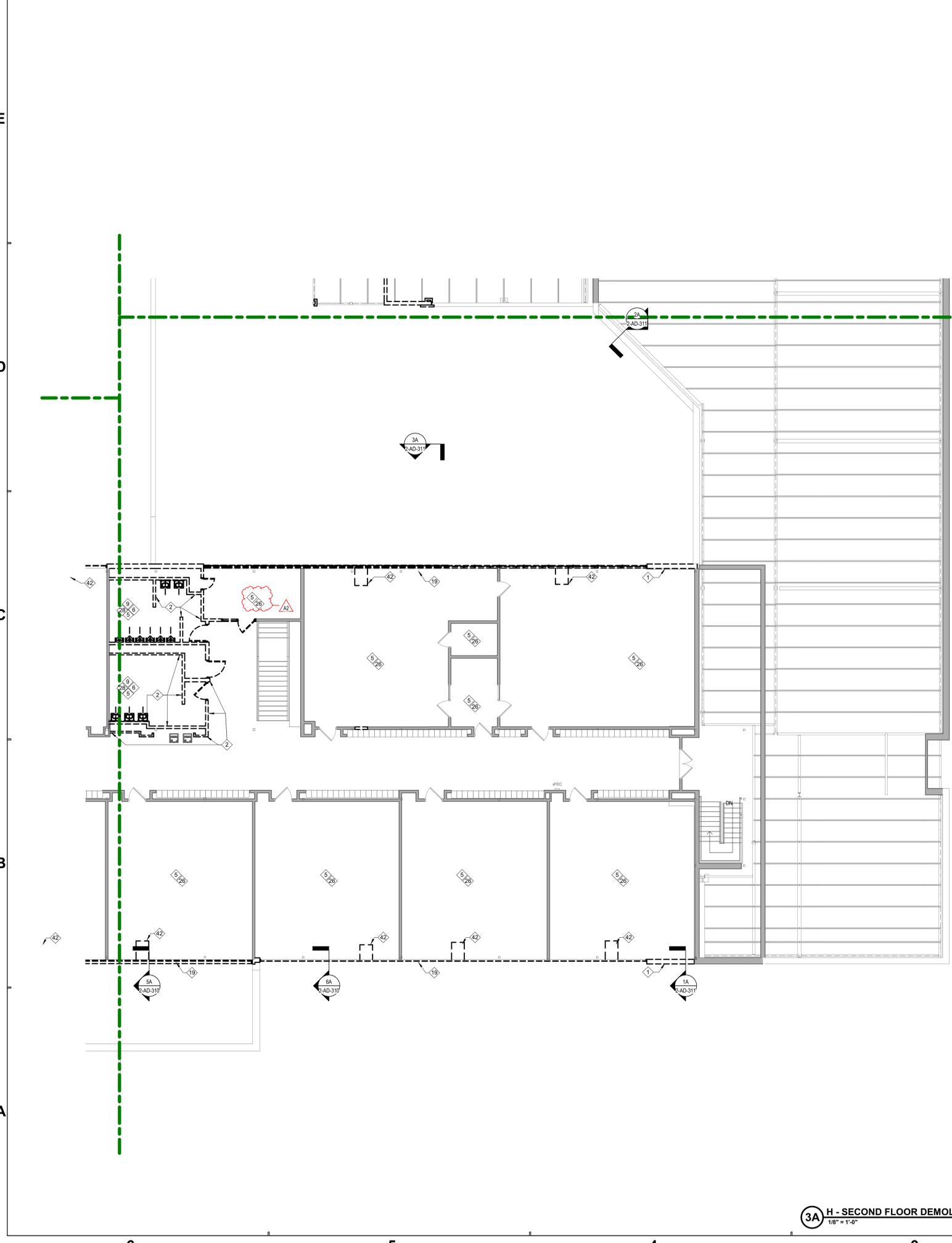
6 5 4 3 2 1

### General Demolition Notes

- A. Contractor shall field-verify all existing conditions, dimensions, and arrangements.
- B. Contractor is responsible for protection of all existing surfaces, materials, and components to remain or be relocated. Damage to these resulting from performance of Work shall be repaired by Contractor to satisfaction of Owner and Architect at no additional expense to Owner.
- C. Contractor shall provide temporary dust protection as required to prevent construction debris and dust from migrating out of Project Area. Owner/Architect shall confirm all dust prevention measures/locations and shall determine changes to these measures.
- D. All existing equipment and fixtures shall remain property of Owner. All reusable items salvaged during demolition operations shall be retained for Owner's inspection. Only items so inspected and rejected by Owner shall be disposed. All other such items shall be turned over to Owner for disposition.
- E. All existing surfaces located adjacent to, or exposed by demolition work and scheduled to receive new construction shall be patched and repaired as required to clearly receive new work.
- F. All existing surfaces located adjacent to, or exposed by demolition work and scheduled to remain exposed after completion of new const. shall be repaired and patched as required to receive new finishes.
- G. Owner will be responsible for removal/rearrangement of all existing loose furnishings during construction, unless noted otherwise.
- H. Refer to Mech./Elec. Drawings for additional patching and preparation work related to M.E.P. demolition items.
- I. Existing sleeves, holes, and other penetrations or new damage of existing building structure above grade exposed by demolition and removal of piping, apparatuses, equipment shall be patched and repaired as part of the Work. Maintain fire ratings of all and adjacent construction affected.
- J. Cap all piping to remain or abandoned in accordance with requirements of authority having jurisdiction and in accordance with all local and state plumbing and health codes. Utilize only pre-manufactured and approved fittings to cap existing piping.
- K. Each Contractor is responsible for all demolition work required or noted for installation of new Work. Demolition may include associated distribution systems, apparatuses, equipment supporting controls, and miscellaneous supports, unless noted otherwise.
- L. Coordinate all demolition with Project sequencing as directed by General Contractor or Construction Manager.

### DEMOLITION FLOOR PLAN NOTES

- | #  | NOTE  |
|----|---|
| 1  | REMOVE EXISTING EXTERIOR WALL CONSTRUCTION TO 8" BELOW FINISH FLOOR LINE IN ITS ENTIRETY TO LIMITS INDICATED. REMOVE ALL DOORS, FRAMES, WINDOWS AND MISCELLANEOUS FRAMING IN ITS ENTIRETY. PROTECT ALL EXISTING STRUCTURAL MEMBERS TO REMAIN. PREPARE ADJACENT SURFACES TO REMAIN FOR NEW WORK. REFERENCE A-SERIES AND I-SERIES FLOOR PLANS FOR FINISH CONDITIONS. REFER TO SECTION(S) FOR FURTHER DEFINITION OF DEMOLITION WORK.   |
| 2  | REMOVE EXISTING INTERIOR WALL CONSTRUCTION IN ITS ENTIRETY TO LIMITS INDICATED INCLUDING, BUT NOT LIMITED TO DOORS, FRAMES, WINDOWS AND ALL MISCELLANEOUS FRAMING. FIELD VERIFY ALL EXISTING WALL CONSTRUCTION PRIOR TO DEMOLITION. REFER TO ARCHITECTURAL AND INTERIOR FLOOR PLANS FOR FINISH CONDITIONS AND DIMENSIONS. NEW CONSTRUCTION TO TOOTH-IN TO EXISTING MASONRY COURSINGS WHERE APPLICABLE. PATCH AND REPAIR EXISTING ADJACENT SURFACES TO REMAIN AND PREP FOR NEW CONSTRUCTION. |
| 3  | REMOVE EXISTING ALUMINUM OR HOLLOW METAL STOREFRONT ENTRANCE SYSTEM IN ITS ENTIRETY, INCLUDING BUT NOT LIMITED TO ALL GLAZING, FRAMING, SEALANTS, DOORS, HARDWARE AND ACCESSORIES. PATCH AND REPAIR ADJACENT AND EXPOSED SURFACES.  |
| 4  | REMOVE EXISTING DOORS AND ASSOCIATED FRAME. PREPARE OPENING TO RECEIVE NEW CONSTRUCTION.  |
| 5  | REMOVE EXISTING SUSPENDED LAY-IN PANEL CEILING SYSTEM IN ITS ENTIRETY INCLUDING, BUT NOT LIMITED TO THE CEILING PADS, GRID, SUSPENSION WIRES, AND ALL RELATED ANCHORS. PATCH AND REPAIR EXISTING SURFACES TO REMAIN AND PREP FOR NEW CONSTRUCTION/FINISH. REMOVE EXISTING GYPSUM BOARD CEILING ASSEMBLY COMPLETE LOCATED ABOVE EXISTING LAY-IN CEILING.   |
| 6  | REMOVE EXISTING PLUMBING FIXTURES. REFER TO P-SERIES DRAWINGS. PATCH AND REPAIR EXISTING SURFACES TO REMAIN, INCLUDING BUT NOT LIMITED TO SLAB AND WALLS.   |
| 7  | REMOVE EXISTING WALL AS REQUIRED FOR NEW WINDOW/DOOR OPENING. REMOVE ONLY AS REQUIRED FOR INSTALLATION OF NEW WINDOW/DOOR AND TOOTH-IN TO EXISTING MASONRY. PROVIDE NEW STEEL LINTEL AT NEW OPENING REFERENCE S-SERIES FOR LINTEL SIZE.   |
| 8  | REMOVE EXISTING WINDOW SYSTEM IN ITS ENTIRETY INCLUDING, BUT NOT LIMITED TO THE GLAZING, SPANDREL PANELS, WINDOW FRAME, SEALANTS, AND ALL RELATED ANCHORS. PATCH AND REPAIR ADJACENT SURFACES TO REMAIN AND PREP FOR NEW CONSTRUCTION/FINISH.   |
| 9  | REMOVE EXISTING FLOOR CARPET AND ASSOCIATED BASE INCLUDING ADHESIVES IN THEIR ENTIRETY. PREPARE AREA TO RECEIVE NEW CONSTRUCTION. PATCH AND REPAIR EXISTING SURFACES TO REMAIN.   |
| 10 | REMOVE EXISTING QUARRY/PORCELAIN TILE FLOOR AND BASE. PREP SLAB FOR NEW CONSTRUCTION/FINISH AND NEW FLOOR FINISH.   |
| 11 | REMOVE EXISTING WALL OR CEILING MOUNTED ITEMS INCLUDING MARKER BOARDS/STRIPS, PAPER TOWEL HOLDERS, SHELVES, HOOKS, SHELVING, TELEVISIONS/BRACKETS, ETC. AS REQUIRED PATCH WALLS TO REMAIN AS REQUIRED TO MATCH ADJACENT SURFACES. PREPARE FOR NEW WALL FINISH.  |
| 12 | REMOVE EXISTING CERAMIC TILE FLOORING IN ITS ENTIRETY INCLUDING, BUT NOT LIMITED TO THE CERAMIC TILE, GROUT, ADHESIVE AND RELATED WALL BASE. PATCH AND REPAIR EXISTING FLOOR SLAB AND WALL SURFACE FOR NEW CONSTRUCTION/FINISH.   |
| 13 | REMOVE EXISTING CASEWORK OR MILLWORK IN ITS ENTIRETY, INCLUDING BUT NOT LIMITED TO ALL HARDWARE AND ACCESSORIES. PATCH AND REPAIR ADJACENT AND EXPOSED SURFACES TO RECEIVE NEW WORK.  |
| 14 | REMOVE EXISTING BULKHEAD, ABANDONED MECHANICAL DUCTWORK, AND ACCORDION DOOR, INCLUDING, BUT NOT LIMITED TO HARDWARE, TRACK, AND ASSOCIATED ACCESSORIES. PATCH AND REPAIR EXISTING ADJACENT SURFACES TO REMAIN AND PREP FOR NEW CONSTRUCTION/FINISH.   |
| 15 | REMOVE EXISTING GROUND LIFT SYSTEM. PATCH AND REPAIR EXISTING SURFACES TO REMAIN AND PREP FOR NEW CONSTRUCTION/FINISH.  |
| 16 | REMOVE EXISTING CONCRETE FLOOR SLAB IN ITS ENTIRETY TO LIMITS INDICATED. REFERENCE S-SERIES DRAWINGS FOR ADDITIONAL INFORMATION. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND EXISTING BUILDING CONDITIONS IN THE FIELD.  |
| 17 | REMOVE EXISTING CORRIDOR LOCKERS, ASSOCIATED CONCRETE BASE AND BULKHEAD WALL FRAMING.   |
| 18 | REMOVE EXISTING OVERHEAD DOOR IN ITS ENTIRETY, INCLUDING BUT NOT LIMITED TO ALL HARDWARE AND ACCESSORIES. PATCH AND REPAIR ADJACENT EXPOSED SURFACES TO RECEIVE NEW WORK.   |
| 19 | REMOVE EXISTING CURTAIN WALL COMPLETE. PATCH AND REPAIR EXISTING SURFACES TO REMAIN AND PREP FOR NEW CONSTRUCTION/FINISH.   |
| 20 | REMOVE EXISTING "COURT YARD" AMENITIES COMPLETELY, INCLUDING BUT NOT LIMITED TO PAVERS, BENCHES, AND PLANTINGS. REMOVE AND PREP FOR NEW CONSTRUCTION COORDINATE NEW LOCATION WITH OWNER.  |
| 21 | REMOVE ALL EXISTING STAGE CURTAINS, TRACKS AND RIGGING COMPLETE. PATCH AND REPAIR EXISTING SURFACES TO REMAIN AND PREP FOR NEW CONSTRUCTION/FINISH.   |
| 22 | REMOVE EXISTING STAIR IN ITS ENTIRETY INCLUDING, BUT NOT LIMITED TO TREADS, RISERS, RAILINGS, ETC.  |
| 23 | REMOVE EXISTING STARTING BLOCKS. PREP AND REPAIR ADJACENT AREAS TO REMAIN FOR NEW CONSTRUCTION AND STARTING BLOCKS BASE AND DECK DRAIN TRIM IN ITS ENTIRETY. PREP AND REPAIR ADJACENT AREAS FOR NEW CONSTRUCTION/FINISH.  |
| 24 | REMOVE EXISTING CERAMIC 1X1 TILE POOL DECK IN ITS ENTIRETY INCLUDING, BUT NOT LIMITED TO THE CERAMIC TILE, DRAIN COVERS, GROUT, ADHESIVE AND RELATED WALL BASE. PATCH AND REPAIR EXISTING FLOOR SLAB AND WALL SURFACE FOR NEW CONSTRUCTION/FINISH.  |
| 25 | REMOVE EXISTING TERRAZZO FLOORING SYSTEM IN ITS ENTIRETY INCLUDING, BUT NOT LIMITED TO THE TERRAZZO, TERRAZZO BASE, MORTAR BASE AND ALL RELATED TRIMS/THRESHOLDS DOWN TO EXISTING CONCRETE FLOOR SLAB. PREP EXISTING SURFACES TO REMAIN FOR NEW CONSTRUCTION.   |
| 26 | REMOVE EXISTING RESILIENT TILE FLOOR FINISH AND ASSOCIATED BASE INCLUDING ADHESIVES IN THEIR ENTIRETY. PREPARE AREA TO RECEIVE NEW CONSTRUCTION. PATCH AND REPAIR EXISTING SURFACES TO REMAIN.  |
| 27 | REMOVE EXISTING DIVING BOARD, AND METAL FRAME COMPLETE. PREP FOR NEW DIVING BOARD AND FRAME.  |
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| 32 | REMOVE EXISTING EXTERIOR CANOPY IN ITS ENTIRETY. PATCH AND REPAIR ADJACENT SURFACES FOR NEW CONSTRUCTION/ FINISH.   |
| 33 | REMOVE EXISTING TIERED FLOOR IN ITS ENTIRETY. PATCH AND REPAIR ADJACENT SURFACES FOR NEW CONSTRUCTION/ FINISH.  |
| 34 | REMOVE EXISTING GYPSUM BOARD CEILING SYSTEM IN ITS ENTIRETY INCLUDING, BUT NOT LIMITED TO THE GYPSUM BOARD, SUSPENDED FRAMING AND ALL RELATED ANCHORS/FASTENERS. PATCH AND REPAIR EXISTING SURFACES TO REMAIN AND PREP FOR NEW CONSTRUCTION/FINISH.   |
| 35 | REPLACE DAMAGED CEILING TILES AS REQUIRED.  |
| 36 | REMOVE EXISTING WALL MOUNTED TABLES IN THEIR ENTIRETY.  |
| 37 | CAREFULLY REMOVE EXISTING FIRE EXTINGUISHER CABINET. REINSTALL IN NEW LOCATION.   |
| 38 | REMOVE EXISTING MECHANICAL EQUIPMENT IN ITS ENTIRETY. PATCH AND REPAIR EXISTING SURFACES FOR NEW CONSTRUCTION/FINISH. REFERENCE M-SERIES DWGS.  |
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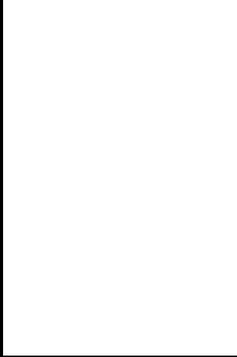


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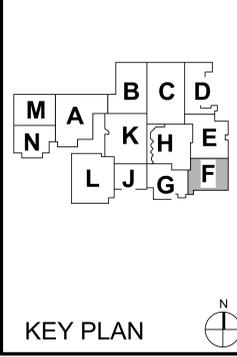


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#	Revision	Date
A2	Addendum #2	09.19.2023



3431 N 400 W  
 Kokomo IN, 46901



NORTHWESTERN SCHOOL CORPORATION  
 NORTHWESTERN HIGH SCHOOL / MIDDLE SCHOOL

SECOND FLOOR  
 DEMOLITION PLAN - UNIT F  
 2-AD1F2

3A H - SECOND FLOOR DEMOLITION PLAN - UNIT F  
 1/8" = 1'-0"

6 5 4 3 2 1

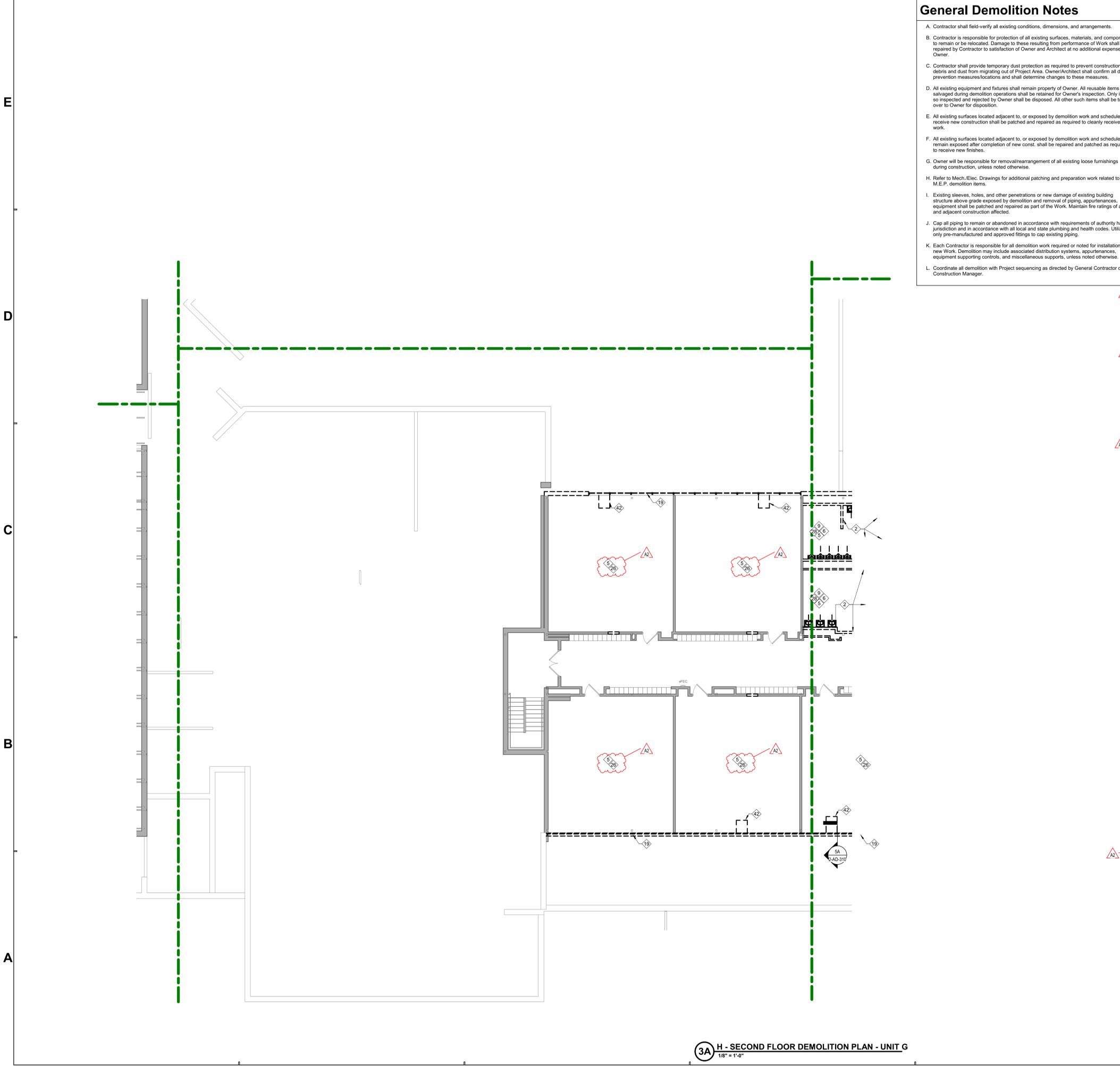
6 5 4 3 2 1

### General Demolition Notes

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- J. Cap all piping to remain or abandoned in accordance with requirements of authority having jurisdiction and in accordance with all local and state plumbing and health codes. Utilize only pre-manufactured and approved fittings to cap existing piping.
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- L. Coordinate all demolition with Project sequencing as directed by General Contractor or Construction Manager.

### DEMOLITION FLOOR PLAN NOTES

- | #  | NOTE   |
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| 4  | REMOVE EXISTING DOORS AND ASSOCIATED FRAME. PREPARE OPENING TO RECEIVE NEW CONSTRUCTION.   |
| 5  | REMOVE EXISTING SUSPENDED LAY-IN PANEL CEILING SYSTEM IN ITS ENTIRETY INCLUDING, BUT NOT LIMITED TO THE CEILING PADS, GRID, SUSPENSION WIRES, AND ALL RELATED ANCHORS. PATCH AND REPAIR EXISTING SURFACES TO REMAIN AND PREP FOR NEW CONSTRUCTION FINISH. REMOVE EXISTING GYPSUM BOARD CEILING ASSEMBLY COMPLETE LOCATED ABOVE EXISTING LAY-IN CEILING.  |
| 6  | REMOVE EXISTING PLUMBING FIXTURES. REFER TO P-SERIES DRAWINGS. PATCH AND REPAIR EXISTING SURFACES TO REMAIN, INCLUDING BUT NOT LIMITED TO SLAB AND WALLS.  |
| 7  | REMOVE EXISTING WALL AS REQUIRED FOR NEW WINDOW/DOOR OPENING. REMOVE ONLY AS REQUIRED FOR INSTALLATION OF NEW WINDOW/DOOR AND TOOTH IN EXISTING MASONRY. PROVIDE NEW STEEL LINTEL AT NEW OPENING REFERENCE S-SERIES FOR LINTEL SIZE.   |
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| 10 | REMOVE EXISTING QUARRY/PORCELAIN TILE FLOOR AND BASE. PREP SLAB FOR "IN-FILL" TO NEW FINISH FLOOR CEILING AND NEW DOOR THRESHOLD.  |
| 11 | REMOVE EXISTING WALL OR CEILING MOUNTED ITEMS INCLUDING MARKER BOARDS/STRIPS, PAPER TOWEL HOLDERS, SHELVES, HOOKS, SHELVING, TELEVISION BRACKETS, ETC. AS REQUIRED. PATCH WALLS TO REMAIN AS REQUIRED TO MATCH ADJACENT SURFACES. PREPARE FOR NEW WALL FINISH.   |
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| 21 | REMOVE ALL EXISTING STAGE CURTAINS, TRACKS AND RIGGING COMPLETE. PATCH AND REPAIR EXISTING SURFACES TO REMAIN AND PREP FOR NEW CONSTRUCTION FINISH.  |
| 22 | REMOVE EXISTING STAIR IN ITS ENTIRETY INCLUDING, BUT NOT LIMITED TO TREADS, RISERS, RAILINGS, ETC.   |
| 23 | REMOVE EXISTING STARTING BLOCKS. PREP AND REPAIR ADJACENT AREAS TO REMAIN FOR NEW CONSTRUCTION AND STARTING BLOCKS BASE AND DECK DRAIN TRIM IN ITS ENTIRETY. PREP AND REPAIR ADJACENT AREAS FOR CONSTRUCTION FINISH.   |
| 24 | REMOVE EXISTING CERAMIC 1X1 TILE POOL DECK IN ITS ENTIRETY INCLUDING, BUT NOT LIMITED TO THE CERAMIC TILE, DRAIN COVERS, GROUT, ADHESIVE AND RELATED WALL BASE. PATCH AND REPAIR EXISTING FLOOR SLAB AND WALL SURFACE FOR NEW CONSTRUCTION FINISH.   |
| 25 | REMOVE EXISTING TERRAZZO FLOORING SYSTEM IN ITS ENTIRETY INCLUDING, BUT NOT LIMITED TO THE TERRAZZO, TERRAZZO BASE, MORTAR BASE AND ALL RELATED TRIMS/THRESHOLDS DOWN TO EXISTING CONCRETE FLOOR SLAB. PREP EXISTING SURFACES TO REMAIN FOR NEW CONSTRUCTION.  |
| 26 | REMOVE EXISTING RESILIENT TILE FLOOR FINISH AND ASSOCIATED BASE INCLUDING ADHESIVES IN THEIR ENTIRETY. PREPARE AREA TO RECEIVE NEW CONSTRUCTION. PATCH AND REPAIR EXISTING SURFACES TO REMAIN.   |
| 27 | REMOVE EXISTING DIVING BOARD, AND METAL FRAME COMPLETE. PREP FOR NEW DIVING BOARD AND FRAME.   |
| 28 | REMOVE EXISTING TOILET PARTITIONS AND URINAL PARTITIONS IN THEIR ENTIRETY. PATCH AND REPAIR EXISTING SURFACES TO REMAIN AND PREP FOR NEW CONSTRUCTION FINISH.  |
| 29 | REMOVE EXISTING CONCRETE STEP, KNEE WALL AND FINISH IN ITS ENTIRETY. PATCH AND REPAIR ADJACENT SURFACES FOR NEW CONSTRUCTION.  |
| 30 | REMOVE EXISTING ATHLETIC LOCKERS IN THEIR ENTIRETY INCLUDING, BUT NOT LIMITED TO THE LOCKERS, TRIMS, SLOPPED TOPS, CURB AND ALL ASSOCIATED ANCHORS TO LIMITS INDICATED. PATCH AND REPAIR EXISTING FLOOR SURFACES AND PREP FOR NEW CONSTRUCTION FINISH.   |
| 31 | REMOVE EXISTING CORRIDOR GATE IN ITS ENTIRETY. PATCH AND REPAIR ADJACENT SURFACES FOR NEW CONSTRUCTION FINISH.   |
| 32 | REMOVE EXISTING EXTERIOR CANOPY IN ITS ENTIRETY. PATCH AND REPAIR ADJACENT SURFACES FOR NEW CONSTRUCTION FINISH.   |
| 33 | REMOVE EXISTING TIERED FLOOR IN ITS ENTIRETY. PATCH AND REPAIR ADJACENT SURFACES FOR NEW CONSTRUCTION FINISH.  |
| 34 | REMOVE EXISTING GYPSUM BOARD CEILING SYSTEM IN ITS ENTIRETY INCLUDING, BUT NOT LIMITED TO THE GYPSUM BOARD, SUSPENDED FRAMING AND ALL RELATED ANCHORS/FASTENERS. PATCH AND REPAIR EXISTING SURFACES TO REMAIN AND PREP FOR NEW CONSTRUCTION FINISH.  |
| 35 | REPLACE DAMAGED CEILING TILES AS REQUIRED.   |
| 36 | REMOVE EXISTING WALL MOUNTED TABLES IN THEIR ENTIRETY.   |
| 37 | CAREFULLY REMOVE EXISTING FIRE EXTINGUISHER CABINET. REINSTALL IN NEW LOCATION.  |
| 38 | REMOVE EXISTING MECHANICAL EQUIPMENT IN ITS ENTIRETY. PATCH AND REPAIR EXISTING SURFACES FOR NEW CONSTRUCTION FINISH. REFERENCE M-SERIES DWGS.   |
| 39 | REMOVE EXISTING STAIR AND LANDING IN ITS ENTIRETY. PATCH AND REPAIR EXISTING SURFACES FOR NEW CONSTRUCTION FINISH.   |
| 40 | REMOVE EXISTING WALL PADDING IN ITS ENTIRETY INCLUDING THE PADDING AND ALL RELATED ADHESIVES. PREP EXISTING WALL SURFACE FOR NEW FINISH. SEE I-SERIES DRAWINGS FOR NEW FINISH.   |
| 41 | REMOVE EXISTING WALL BASE INCLUDING ADHESIVES IN THEIR ENTIRETY. PREPARE AREA TO RECEIVE NEW CONSTRUCTION. PATCH AND REPAIR EXISTING SURFACES TO REMAIN.   |
| 42 | DEMO HOUSE KEEPING PAD IN ITS ENTIRETY. PATCH AND REPAIR ADJACENT SURFACES FOR NEW CONSTRUCTION.   |
| 43 | REMOVE DISPLAY CASE IN ITS ENTIRETY INCLUDING BUT NOT LIMITED TO GLAZINGS, SHELVING. PREP AREA TO RECEIVE NEW CONSTRUCTION.  |
| 44 | REMOVAL OF EXISTING FLOOR CARPET, ASSOCIATED BASE, FLOOR TILE, AND ALL ASSOCIATED ADHESIVES IN THEIR ENTIRETY BY OTHERS.   |
| 45 | REMOVAL OF EXISTING FLOOR TILE, ASSOCIATED WALL BASE, AND ALL ASSOCIATED ADHESIVES IN THEIR ENTIRETY BY OTHERS.  |
| 46 | REMOVAL OF EXISTING WINDOW SYSTEM IN ITS ENTIRETY INCLUDING, BUT NOT LIMITED TO THE GLAZING, SPANDREL PANELS, WINDOW FRAME, SEALANTS, AND ALL RELATED ANCHORS - BY OWNER. PATCH AND REPAIR ADJACENT SURFACES TO REMAIN AND PREP FOR NEW CONSTRUCTION FINISH.   |



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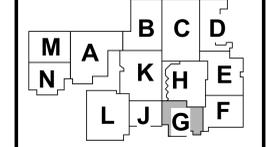
Project No. 2022-086.TGR  
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#	Revision	Date
A2	Addendum #2	09.19.2023

3431 N 400 W  
Kokomo IN, 46901



KEY PLAN

NORTHWESTERN SCHOOL CORPORATION



NORTHWESTERN HIGH SCHOOL / MIDDLE SCHOOL

SECOND FLOOR DEMOLITION PLAN - UNIT G

2-AD1G2

3A H - SECOND FLOOR DEMOLITION PLAN - UNIT G  
1/8" = 1'-0"

6 5 4 3 2 1

DATE: 08/29/2023 10:40:00 AM  
DRAWN BY: J. HENPSTEAD  
CHECKED BY: T. HENPSTEAD  
PROJECT: 2022-086.TGR  
SHEET: 2-AD1G2

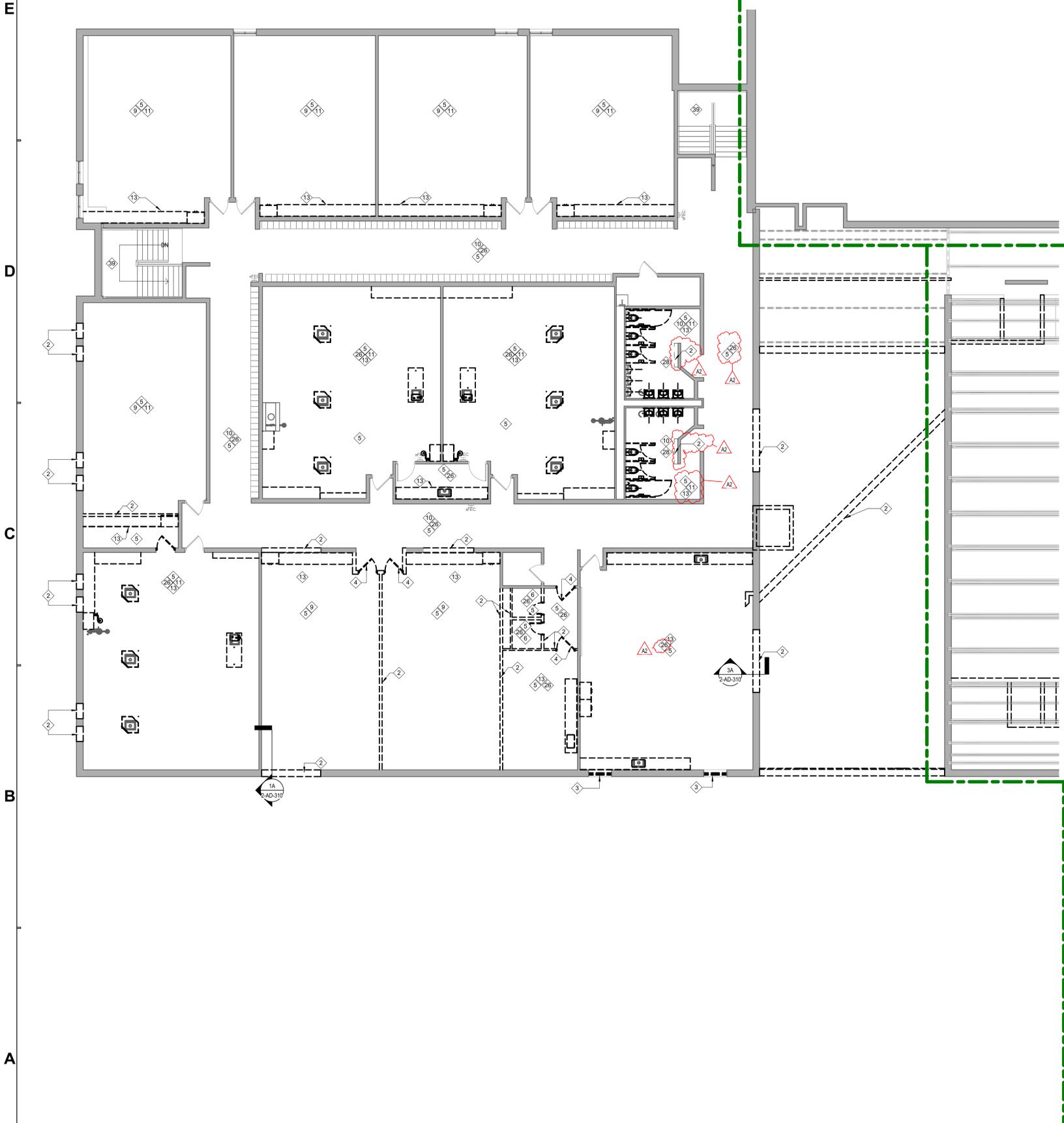
6 5 4 3 2 1

### General Demolition Notes

- A. Contractor shall field-verify all existing conditions, dimensions, and arrangements.
- B. Contractor is responsible for protection of all existing surfaces, materials, and components to remain or be relocated. Damage to these resulting from performance of Work shall be repaired by Contractor to satisfaction of Owner and Architect at no additional expense to Owner.
- C. Contractor shall provide temporary dust protection as required to prevent construction debris and dust from migrating out of Project Area. Owner/Architect shall confirm all dust prevention measures/locations and shall determine changes to these measures.
- D. All existing equipment and fixtures shall remain property of Owner. All reusable items salvaged during demolition operations shall be retained for Owner's inspection. Only items so inspected and rejected by Owner shall be disposed. All other such items shall be turned over to Owner for disposition.
- E. All existing surfaces located adjacent to, or exposed by demolition work and scheduled to receive new construction shall be patched and repaired as required to cleanly receive new work.
- F. All existing surfaces located adjacent to, or exposed by demolition work and scheduled to remain exposed after completion of new const. shall be repaired and patched as required to receive new finishes.
- G. Owner will be responsible for removal/rearrangement of all existing loose furnishings during construction, unless noted otherwise.
- H. Refer to Mech./Elec. Drawings for additional patching and preparation work related to M.E.P. demolition items.
- I. Existing sleeves, holes, and other penetrations or new damage of existing building structure above grade exposed by demolition and removal of piping, appliances, equipment shall be patched and repaired as part of the Work. Maintain fire ratings of all and adjacent construction affected.
- J. Cap all piping to remain or abandoned in accordance with requirements of authority having jurisdiction and in accordance with all local and state plumbing and health codes. Utilize only pre-manufactured and approved fittings to cap existing piping.
- K. Each Contractor is responsible for all demolition work required or noted for installation of new Work. Demolition may include associated distribution systems, appliances, equipment supporting controls, and miscellaneous supports, unless noted otherwise.
- L. Coordinate all demolition with Project sequencing as directed by General Contractor or Construction Manager.

### DEMOLITION FLOOR PLAN NOTES

- | #  | NOTE   |
|----|--|
| 1  | REMOVE EXISTING EXTERIOR WALL CONSTRUCTION TO 8" BELOW FINISH FLOOR LINE IN ITS ENTIRETY TO LIMITS INDICATED. REMOVE ALL DOORS, FRAMES, WINDOWS AND MISCELLANEOUS FRAMING IN ITS ENTIRETY. PROTECT ALL EXISTING STRUCTURAL MEMBERS TO REMAIN. PREPARE ADJACENT SURFACES TO REMAIN FOR NEW WORK. REFERENCE A-SERIES AND I-SERIES FLOOR PLANS FOR FINISH CONDITIONS. REFER TO SECTIONS(S) FOR FURTHER DEFINITION OF DEMOLITION WORK.   |
| 2  | REMOVE EXISTING INTERIOR WALL CONSTRUCTION IN ITS ENTIRETY TO LIMITS INDICATED INCLUDING, BUT NOT LIMITED TO DOORS, FRAMES, WINDOWS AND ALL MISCELLANEOUS FRAMING. FIELD VERIFY ALL EXISTING WALL CONSTRUCTION PRIOR TO DEMOLITION. REFER TO ARCHITECTURAL AND INTERIOR FLOOR PLANS FOR FINISH CONDITIONS AND DIMENSIONS. NEW CONSTRUCTION TO TOOTH-IN TO EXISTING MASONRY COURSING WHERE APPLICABLE. PATCH AND REPAIR EXISTING ADJACENT SURFACES TO REMAIN AND PREP FOR NEW CONSTRUCTION. |
| 3  | REMOVE EXISTING ALUMINUM OR HOLLOW METAL STOREFRONT ENTRANCE SYSTEM IN ITS ENTIRETY INCLUDING BUT NOT LIMITED TO ALL GLAZING, FRAMING, SEALANTS, DOORS, HARDWARE AND ACCESSORIES. PATCH AND REPAIR ADJACENT AND EXPOSED SURFACES.  |
| 4  | REMOVE EXISTING DOORS AND ASSOCIATED FRAME. PREPARE OPENING TO RECEIVE NEW CONSTRUCTION.   |
| 5  | REMOVE EXISTING SUSPENDED LAY-IN PANEL CEILING SYSTEM IN ITS ENTIRETY INCLUDING, BUT NOT LIMITED TO THE CEILING PADS, GRID, SUSPENSION WIRES, AND ALL RELATED ANCHORS. PATCH AND REPAIR EXISTING SURFACES TO REMAIN AND PREP FOR NEW CONSTRUCTION/FINISH. REMOVE EXISTING GYPSUM BOARD CEILING ASSEMBLY COMPLETE LOCATED ABOVE EXISTING LAY-IN CEILING.  |
| 6  | REMOVE EXISTING PLUMBING FIXTURES. REFER TO P-SERIES DRAWINGS. PATCH AND REPAIR EXISTING SURFACES TO REMAIN, INCLUDING BUT NOT LIMITED TO SLAB AND WALLS.  |
| 7  | REMOVE EXISTING WALL AS REQUIRED FOR NEW WINDOW/DOOR OPENING. REMOVE ONLY AS REQUIRED FOR INSTALLATION OF NEW WINDOW/DOOR AND TOOTH IN EXISTING MASONRY. PROVIDE NEW STEEL LINTEL AT NEW OPENING REFERENCE S-SERIES FOR LINTEL SIZE.   |
| 8  | REMOVE EXISTING WINDOW SYSTEM IN ITS ENTIRETY INCLUDING, BUT NOT LIMITED TO THE GLAZING, SPANDREL PANELS, WINDOW FRAME, SEALANTS, AND ALL RELATED ANCHORS. PATCH AND REPAIR ADJACENT SURFACES TO REMAIN AND PREP FOR NEW CONSTRUCTION/FINISH.  |
| 9  | REMOVE EXISTING FLOOR CARPET AND ASSOCIATED BASE INCLUDING ADHESIVES IN THEIR ENTIRETY. PREPARE AREA TO RECEIVE NEW CONSTRUCTION. PATCH AND REPAIR EXISTING SURFACES TO REMAIN.  |
| 10 | REMOVE EXISTING QUARRY/PORCELAIN TILE FLOOR AND BASE. PREP SLAB FOR NEW CONSTRUCTION/FINISH. REMOVE EXISTING GYPSUM BOARD CEILING AND REPAIR EXISTING SURFACES TO REMAIN.  |
| 11 | REMOVE EXISTING WALL OR CEILING MOUNTED ITEMS INCLUDING MARKER BOARDS/STRIPS, PAPER TOWEL HOLDERS, SHELVES, HOOKS, SHELVING, TELEVISIONS/BRANDS, ETC. AS REQUIRED PATCH WALLS TO REMAIN AS REQUIRED TO MATCH ADJACENT SURFACES. PREPARE FOR NEW WALL FINISH.   |
| 12 | REMOVE EXISTING CERAMIC TILE FLOORING IN ITS ENTIRETY INCLUDING, BUT NOT LIMITED TO THE CERAMIC TILE, GROUT, ADHESIVE AND RELATED WALL BASE. PATCH AND REPAIR EXISTING FLOOR SLAB AND WALL SURFACE FOR NEW CONSTRUCTION/FINISH.  |
| 13 | REMOVE EXISTING CASEWORK OR MILLWORK IN ITS ENTIRETY INCLUDING BUT NOT LIMITED TO ALL HARDWARE AND ACCESSORIES. PATCH AND REPAIR ADJACENT AND EXPOSED SURFACES TO RECEIVE NEW WORK.  |
| 14 | REMOVE EXISTING BULKHEAD, ABANDONED MECHANICAL DUCTWORK, AND ACCORDION DOOR INCLUDING, BUT NOT LIMITED TO HARDWARE, TRACK, AND ASSOCIATED ACCESSORIES. PATCH AND REPAIR EXISTING ADJACENT SURFACES TO REMAIN AND PREP FOR NEW CONSTRUCTION/FINISH.   |
| 15 | REMOVE EXISTING IN-GROUND LIFT SYSTEM. PATCH AND REPAIR EXISTING SURFACES TO REMAIN AND PREP FOR NEW CONSTRUCTION/FINISH.  |
| 16 | REMOVE EXISTING CONCRETE FLOOR SLAB IN ITS ENTIRETY TO LIMITS INDICATED. REFERENCE S-SERIES DRAWINGS FOR ADDITIONAL INFORMATION. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND EXISTINGS IN THE FIELD.  |
| 17 | REMOVE EXISTING CORRIDOR LOCKERS, ASSOCIATED CONCRETE BASE AND BULKHEAD/WALL FRAMING.  |
| 18 | REMOVE EXISTING OVERHEAD DOOR IN ITS ENTIRETY INCLUDING BUT NOT LIMITED TO ALL HARDWARE AND ACCESSORIES. PATCH AND REPAIR ADJACENT EXPOSED SURFACES TO RECEIVE NEW WORK.   |
| 19 | REMOVE EXISTING CURTAIN WALL COMPLETE. PATCH AND REPAIR EXISTING SURFACES TO REMAIN AND PREP FOR NEW CONSTRUCTION/FINISH.  |
| 20 | REMOVE EXISTING "COURT YARD" AMENITIES COMPLETELY INCLUDING BUT NOT LIMITED TO PAVERS, BENCHES, AND PLANTINGS. REMOVE AND PREP FOR NEW CONSTRUCTION COORDINATE NEW LOCATION WITH OWNER.  |
| 21 | REMOVE EXISTING STAGES AND TRIMMS COMPLETE. PATCH AND REPAIR EXISTING SURFACES TO REMAIN AND PREP FOR NEW CONSTRUCTION/FINISH.   |
| 22 | REMOVE EXISTING STAIR IN ITS ENTIRETY INCLUDING, BUT NOT LIMITED TO TREADS, RISERS, RAILINGS, ETC.   |
| 23 | REMOVE EXISTING STARTING BLOCKS. PREP AND REPAIR ADJACENT AREAS TO REMAIN FOR NEW CONSTRUCTION AND STARTING BLOCKS/BASE AND DECK DRAIN TRIM IN ITS ENTIRETY. PREP AND REPAIR ADJACENT AREAS FOR CONSTRUCTION/FINISH.   |
| 24 | REMOVE EXISTING CERAMIC 1X1 TILE POOL DECK IN ITS ENTIRETY INCLUDING, BUT NOT LIMITED TO THE CERAMIC TILE, DRAIN COVERS, GROUT, ADHESIVE AND RELATED WALL BASE. PATCH AND REPAIR EXISTING FLOOR SLAB AND WALL SURFACE FOR NEW CONSTRUCTION/FINISH.   |
| 25 | REMOVE EXISTING TERRAZZO FLOORING SYSTEM IN ITS ENTIRETY INCLUDING, BUT NOT LIMITED TO THE TERRAZZO, TERRAZZO BASE, MORTAR BASE AND ALL RELATED TRIMS/THRESHOLDS DOWN TO EXISTING CONCRETE FLOOR SLAB. PREP EXISTING SURFACES TO REMAIN FOR NEW CONSTRUCTION.  |
| 26 | REMOVE EXISTING RESILIENT TILE FLOOR FINISH AND ASSOCIATED BASE INCLUDING ADHESIVES IN THEIR ENTIRETY. PREPARE AREA TO RECEIVE NEW CONSTRUCTION. PATCH AND REPAIR EXISTING SURFACES TO REMAIN.   |
| 27 | REMOVE EXISTING DIVING BOARD, AND METAL FRAME COMPLETE. PREP FOR NEW DIVING BOARD AND FRAME.   |
| 28 | REMOVE EXISTING TOILET PARTITIONS AND URINAL PARTITIONS IN THEIR ENTIRETY. PATCH AND REPAIR EXISTING SURFACES TO REMAIN AND PREP FOR NEW CONSTRUCTION/FINISH.  |
| 29 | REMOVE EXISTING CONCRETE STEP, KNEE WALL AND FINISH IN ITS ENTIRETY. PATCH AND REPAIR ADJACENT SURFACES FOR NEW CONSTRUCTION.  |
| 30 | REMOVE EXISTING ATHLETIC LOCKERS IN THEIR ENTIRETY INCLUDING, BUT NOT LIMITED TO THE LOCKERS, TRIMS, SLOPPED TOPS, CURB AND ALL ASSOCIATED ANCHORS TO LIMITS INDICATED. PATCH AND REPAIR EXISTING FLOOR SURFACES AND PREP FOR NEW CONSTRUCTION/FINISH.   |
| 31 | REMOVE EXISTING CORRIDOR GATE IN ITS ENTIRETY. PATCH AND REPAIR ADJACENT SURFACES FOR NEW CONSTRUCTION/FINISH.   |
| 32 | REMOVE EXISTING EXTERIOR CANOPY IN ITS ENTIRETY. PATCH AND REPAIR ADJACENT SURFACES FOR NEW CONSTRUCTION/FINISH.   |
| 33 | REMOVE EXISTING TIERED FLOOR IN ITS ENTIRETY. PATCH AND REPAIR ADJACENT SURFACES FOR NEW CONSTRUCTION/FINISH.  |
| 34 | REMOVE EXISTING GYPSUM BOARD CEILING SYSTEM IN ITS ENTIRETY INCLUDING, BUT NOT LIMITED TO THE GYPSUM BOARD, SUSPENDED FRAMING AND ALL RELATED ANCHORS/FASTENERS. PATCH AND REPAIR EXISTING SURFACES TO REMAIN AND PREP FOR NEW CONSTRUCTION/FINISH.  |
| 35 | REPLACE DAMAGED CEILING TILES AS REQUIRED.   |
| 36 | REMOVE EXISTING WALL MOUNTED TABLES IN THEIR ENTIRETY. CAREFULLY REMOVE EXISTING FIRE EXTINGUISHER CABINET. REINSTALL IN NEW LOCATION.   |
| 37 | REMOVE EXISTING MECHANICAL EQUIPMENT IN ITS ENTIRETY. PATCH AND REPAIR EXISTING SURFACES FOR NEW CONSTRUCTION/FINISH. REFERENCE M-SERIES DWGS  |
| 38 | REMOVE EXISTING STAIR AND LANDING IN ITS ENTIRETY. PATCH AND REPAIR EXISTING SURFACES FOR NEW CONSTRUCTION/FINISH.   |
| 39 | REMOVE EXISTING WALL PADDING IN ITS ENTIRETY INCLUDING THE PADDING AND ALL RELATED ADHESIVES. PREP EXISTING WALL SURFACE FOR NEW FINISH. SEE I-SERIES DRAWINGS FOR NEW FINISH.   |
| 40 | REMOVE EXISTING WALL BASE INCLUDING ADHESIVES IN THEIR ENTIRETY. PREPARE AREA TO RECEIVE NEW CONSTRUCTION. PATCH AND REPAIR EXISTING SURFACES TO REMAIN.   |
| 41 | REMOVE EXISTING WALL BASE INCLUDING ADHESIVES IN THEIR ENTIRETY. PREPARE AREA TO RECEIVE NEW CONSTRUCTION. PATCH AND REPAIR EXISTING SURFACES TO REMAIN.   |
| 42 | REMOVE EXISTING HOUSE KEEPING PAD IN ITS ENTIRETY. PATCH AND REPAIR ADJACENT SURFACES FOR NEW CONSTRUCTION.  |
| 43 | REMOVE EXISTING DISPLAY CASE IN ITS ENTIRETY INCLUDING BUT NOT LIMITED TO GLAZINGS, SHELVING. PREP AREA TO RECEIVE NEW CONSTRUCTION.   |
| 44 | REMOVAL OF EXISTING FLOOR CARPET, ASSOCIATED BASE, FLOOR TILE, AND ALL ASSOCIATED ADHESIVES IN THEIR ENTIRETY BY OTHERS.   |
| 45 | REMOVAL OF EXISTING FLOOR TILE, ASSOCIATED WALL BASE, AND ALL ASSOCIATED ADHESIVES IN THEIR ENTIRETY BY OTHERS.  |
| 46 | REMOVAL OF EXISTING WINDOW SYSTEM IN ITS ENTIRETY INCLUDING, BUT NOT LIMITED TO THE GLAZING, SPANDREL PANELS, WINDOW FRAME, SEALANTS, AND ALL RELATED ANCHORS - BY OWNER. PATCH AND REPAIR ADJACENT SURFACES TO REMAIN AND PREP FOR NEW CONSTRUCTION/FINISH.   |



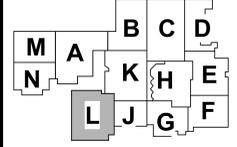
Project No. 2022-086.TGR  
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#	Revision	Date
A2	Addendum #2	09.19.2023

3431 N 400 W  
 Kokomo IN, 46901



KEY PLAN

NORTHWESTERN SCHOOL CORPORATION



NORTHWESTERN HIGH SCHOOL / MIDDLE SCHOOL

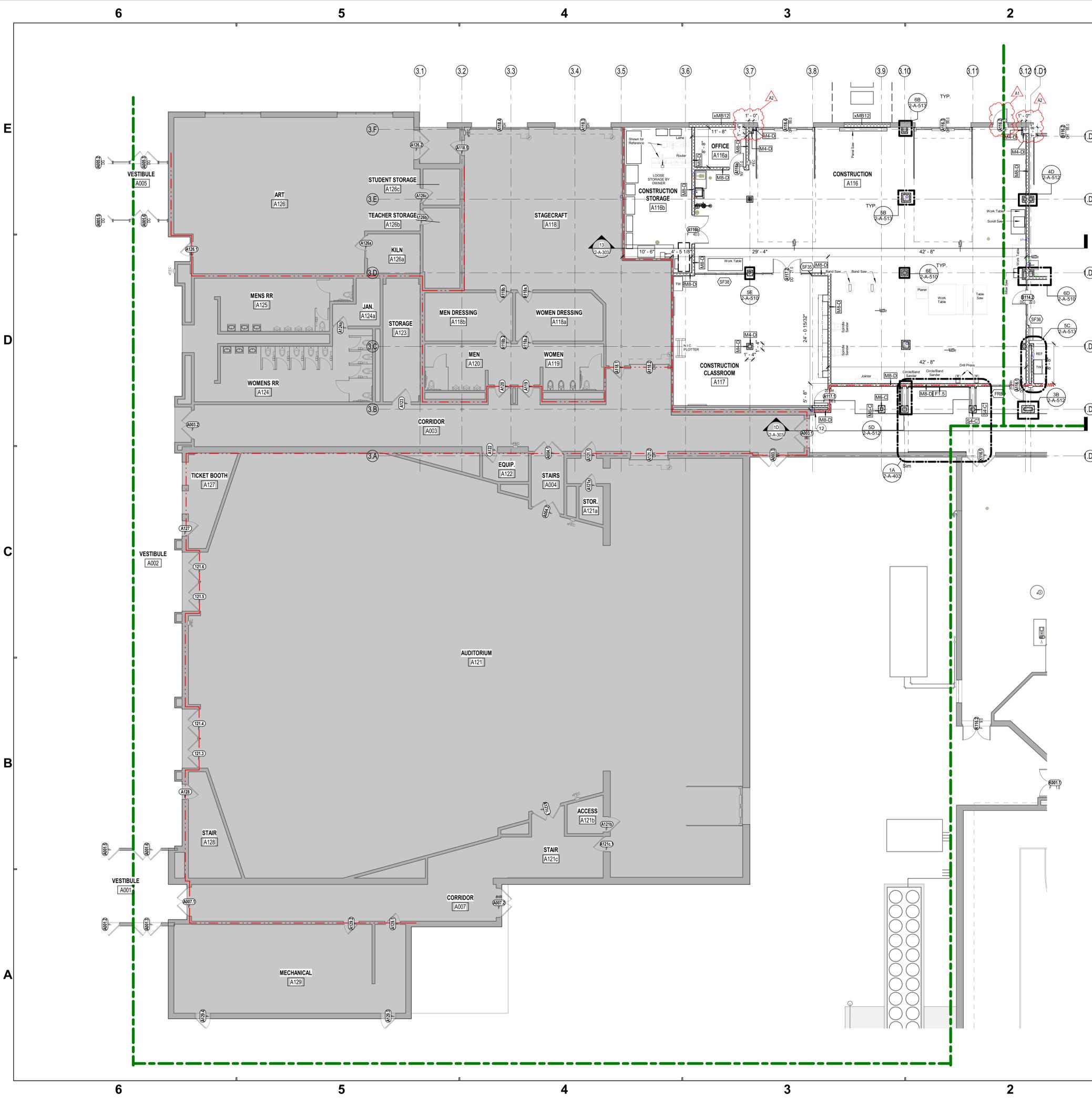
SECOND FLOOR DEMOLITION PLAN - UNIT L

2-AD1L2

3A H - SECOND FLOOR DEMOLITION PLAN - UNIT L  
 1/8" = 1'-0"

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PROJECT: NORTHWESTERN SCHOOL CORPORATION, 3431 N 400 W, KOKOMO, IN 46901  
 DRAWING NO: 2-AD1L2  
 DATE: 08/29/2023  
 SCALE: 1/8" = 1'-0"  
 SHEET NO: 3A



**General Plan Notes**

- A. All dimensions shown are to face of stud or masonry, unless noted otherwise. Dimensions designated as "CLR" or "clear" indicate a clear dimension from face of finish to face of finish. Dimensions of exterior walls are to outside edge of foundation.
- B. Dimensions for all openings for Mechanical, Plumbing, Fire Protection and Electrical shall be fire stopped at each floor penetration.
- C. Provide bracing and blocking as required in walls supporting casework, tackboards, markerboards, and restroom accessories.
- D. All door frames are located 4" from adjacent wall, unless noted otherwise.
- E. All exposed outside corners of CMU shall be bullnosed.
- F. Seal all joints between dissimilar materials.
- G. All gypsum wallboard is 5/8" Type "X", unless noted otherwise.
- H. Where new floors meet existing floors, a smooth, straight, and flush transition shall be constructed. Verify in field existing floor elevations and conditions where a new floor shall be constructed adjacent. Trim and patch existing floor as required to achieve desired transition.
- I. All exterior windows are Type "SFS", unless noted otherwise.
- J. All interior walls are Type "S4-D", unless noted otherwise.
- K. Base elevation is 0'-0" = 820.52' (United States Geological Survey data).
- L. Hatching within walls shown in plans and sections indicates new construction.
- M. At second floor of the existing middle school, existing prestressed tendons in the existing hollow-core precast floor planks, all existing prestressed tendons in the precast planks shall be located using GPR, X-ray, or similar means and documented on shop drawings with accurate plan dimensions tied to existing walls or gridlines. After documenting the tendon locations, all penetrations and anchors must be laid out to avoid tendons. Submit documentation to CMA/E prior to core-drilling or anchoring to precast planks.

**FLOOR PLAN NOTES**

- | #  | Note  |
|----|---|
| 1  | 08 71 00 - ADA AUTOMATIC OPERATOR. COORDINATE LOCATION WITH ARCHITECT.  |
| 2  | ACCESS CONTROL CARD READER. REFER TO T-SERIES DWGS.   |
| 3  | INTERCOM - TALK/VIDEO. REFER TO T-SERIES DRAWINGS.  |
| 4  | PANIC BUTTON ON MILLWORK. REFER TO T-SERIES DRAWINGS.   |
| 5  | 08 71 00 - LOCK/UNLOCK SWITCH FROM RECEPTION DESK FOR 3 DOORS.  |
| 6  | 10 14 00 - BUILDING SIGNAGE REFER TO ELEVATIONS.  |
| 7  | INFILL OPENING WITH CONSTRUCTION MATCHING EXISTING ADJACENT CONSTRUCTION. AT EXTERIOR MASONRY LOCATIONS USE SALVAGED BRICK. TOOTH-IN MASONRY. |
| 8  | 08 88 00 - ONE WAY GRAPHIC FILM APPLIED TO EXISTING GLASS SIDELITE.   |
| 9  | 03 30 00 - INFILL EXISTING SLAB WITH TOPPING MATERIAL TO LEVEL AFTER REMOVAL OF EXISTING QUARRY TILE. PREP FOR NEW FLOOR FINISH.              |
| 10 | 05 73 00 - DECORATIVE METAL RAILING TYPE A  |
| 11 | 03 30 00 - INFILL EXISTING SLAB TO LEVEL. REF. S-SERIES DRAWINGS. PREP FOR NEW FLOOR FINISH.  |
| 12 | ALIGN NEW WALL W/ EXISTING  |
| 13 | 05 73 00 - DECORATIVE METAL RAILING TYPE B  |
| 14 | 10 51 13 - CORRIDOR LOCKERS (TYPE A): 15X15X36 DOUBLE STACKED TO 6 FT SLOPE TOP. 175 PER GRADE LEVEL ON 4" BASE.                              |
| 15 | 10 51 13 - POOL LOCKERS (TYPE B): 12X18X30 DOUBLE STACKED TO SLOPE TOP. 150 LOCKERS PER LOCKER ROOM.  |
| 16 | 10 51 13 - POOL LOCKERS (TYPE G): 12X12X30 DOUBLE STACKED TO SLOPE TOP. 150 LOCKERS PER LOCKER ROOM.  |
| 17 | EXISTING COILING OVERHEAD DOOR TO REMAIN.   |
| 18 | OPEN TO BELOW   |
| 19 | 11 54 13 - KILN   |
| 20 | EYE WASH/SHOWER UNIT - REFER TO P-SERIES DRAWINGS.  |
| 21 | FLAMMABLE STORAGE CABINET   |
| 22 | 14 24 00 - HYDRAULIC ELEVATOR   |
| 23 | STRUCTURAL CROSS-BRACING. REFER TO S-SERIES DRAWINGS.   |
| 24 | LINE OF CANOPY ABOVE  |
| 25 | 08 33 23 - OVERHEAD COILING DOOR - REFERENCE DOOR SCHEDULE AND DETAILS.   |
| 26 | 07 71 00 - METAL DOWNSPOUT. REFER TO ROOF PLAN FOR SIZE. COORD. WITH S-SERIES DRAWINGS.   |
| 27 | 11 86 23 - WALL SAFETY TILE PADS - 72" H. ALONG ENTIRE LENGTH OF WALL.  |
| 28 | 07 95 00 - FLOOR TO FLOOR EXPANSION COVER   |
| 29 | 08 36 13 - BI-FOLD VERTICAL SECTIONAL DOOR  |
| 30 | NEW STARTING BLOCKS BY OWNER.   |
| 31 | NEW DIVING BOARD EQUIPMENT ON EXISTING CONCRETE BASE BY OWNER.  |
| 32 | 10 21 23 - CUBICLE CURTAINS AND TRACK   |
| 33 | MOP SINK. REFER TO P-SERIES DRAWINGS.   |
| 34 | EXISTING CARD READER TO REMAIN.   |
| 35 | ANNUNCIATOR PANEL. REFERENCE E-SERIES DRAWINGS.   |
| 36 | SLAT WALL ON ENTIRE WALL FACE. - COUNTER TO CEILING.  |
| 37 | 04 20 00 - KNOW BOX - COORD. EXACT LOCATION WITH LOCAL FIRE DEPT.   |
| 38 | BULKHEAD ABOVE. REFERENCE REFLECTED CEILING PLAN.   |
| 39 | 07 95 00 - EXPANSION JOINT. PROVIDE EXPANSION JOINT COVERS AT ALL JOINT LOCATIONS ALONG LINE.   |
| 40 | CONCRETE PUMP. REF. S-SERIES DRAWINGS.  |
| 41 | NEW CONCRETE SLAB. REFER TO S-SERIES DRAWINGS FOR ADDITIONAL INFORMATION.   |
| 42 | 12 24 13 - MOTORIZED WINDOW SHADES  |
| 43 | NEW DRAIN COVERS BY OWNER.  |

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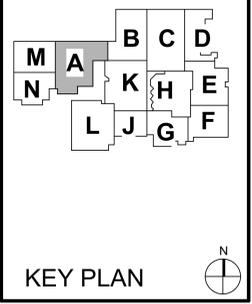
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A1	Addendum #1	09.15.2023
A2	Addendum #2	09.19.2023

3431 N 400 W  
Kokomo IN, 46901



**NORTHWESTERN SCHOOL CORPORATION**

NORTHWESTERN HIGH SCHOOL / MIDDLE SCHOOL

FIRST FLOOR PLAN - UNIT A

2-AF1A1

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





**General Plan Notes**

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- C. Provide bracing and blocking as required in walls supporting casework, tackboards, markerboards, and restroom accessories.
- D. All door frames are located 4" from adjacent wall, unless noted otherwise.
- E. All exposed outside corners of CMU shall be bullnosed.
- F. Seal all joints between dissimilar materials.
- G. All gypsum wallboard is 5/8" Type "X", unless noted otherwise.
- H. Where new floors meet existing floors, a smooth, straight, and flush transition shall be constructed. Verify in field existing floor elevations and conditions where a new floor shall be constructed adjacent. Trim and patch existing floor as required to achieve desired transition.
- I. All exterior windows are Type "SF3", unless noted otherwise.
- J. All interior walls are Type "S4-D", unless noted otherwise.
- K. Base elevation is 0'-0" = 820.52' (United States Geological Survey data).
- L. Hatching within walls shown in plans and sections indicates new construction.
- M. At second-floor level, the existing mid-chord or anchoring into the existing hollow-core precast floor planks, all existing prestressed tendons in the precast planks shall be located using GPR, X-ray, or similar means and documented on shop drawings with accurate plan dimensions tied to existing walls or griddelines. After documenting the tendon locations, all penetrations and anchors must be laid out to avoid tendons. Submit documentation to CM/A/E prior to core-drilling or anchoring to precast planks.

**FLOOR PLAN NOTES**

- | #  | Note  |
|----|---|
| 1  | 08 71 00 - ADA AUTOMATIC OPERATOR. COORDINATE LOCATION WITH ARCHITECT.  |
| 2  | ACCESS CONTROL CARD READER. REFER TO T-SERIES DWGS.   |
| 3  | INTERCOM - TALK/VIDEO. REFER TO T-SERIES DRAWINGS.  |
| 4  | PANIC BUTTON ON MILLWORK. REFER TO T-SERIES DRAWINGS.   |
| 5  | 08 71 00 - LOCK/UNLOCK SWITCH FROM RECEPTION DESK FOR 3 DOORS.  |
| 6  | 10 14 00 - BUILDING SIGNAGE REFER TO ELEVATIONS.  |
| 7  | INFILL OPENING WITH CONSTRUCTION MATCHING EXISTING ADJACENT CONSTRUCTION. AT EXTERIOR MASONRY LOCATIONS USE SALVAGED BRICK, TOOTH-IN MASONRY. |
| 8  | 08 88 00 - ONE WAY GRAPHIC FILM APPLIED TO EXISTING GLASS SIDELITE.   |
| 9  | 03 30 00 - INFILL EXISTING SLAB WITH TOPPING MATERIAL TO LEVEL AFTER REMOVAL OF EXISTING QUARRY TILE. PREP FOR NEW FLOOR FINISH.              |
| 10 | 06 73 00 - DECORATIVE METAL RAILING TYPE A  |
| 11 | 03 30 00 - INFILL EXISTING SLAB TO LEVEL. REF. S-SERIES DRAWINGS. PREP FOR NEW FLOOR FINISH.  |
| 12 | ALIGN NEW WALL W/ EXISTING  |
| 13 | 06 73 00 - DECORATIVE METAL RAILING TYPE B  |
| 14 | 10 51 13 - CORRIDOR LOCKERS (TYPE A). 15X15X36 DOUBLE STACKED TO 6 FT SLOPE TOP. 175 PER GRADE LEVEL. ON 4" BASE                              |
| 15 | 10 51 13 - POOL LOCKERS (TYPE B). 12X18X30 DOUBLE STACKED TO SLOPE TOP. 150 LOCKERS PER LOCKER ROOM.  |
| 16 | 10 51 13 - POOL LOCKERS (TYPE G). 12X12X30 DOUBLE STACKED TO SLOPE TOP. 150 LOCKERS PER LOCKER ROOM.  |
| 17 | FIXTURE REPLACEMENTS IN EXISTING LOCATIONS.   |
| 18 | EXISTING COILING OVERHEAD DOOR TO REMAIN.   |
| 19 | OPEN TO BELOW   |
| 20 | EYE WASH/SHOWER UNIT - REFER TO P-SERIES DRAWINGS.  |
| 21 | FLAMMABLE STORAGE CABINET   |
| 22 | 14 24 00 - HYDRAULIC ELEVATOR   |
| 23 | STRUCTURAL CROSS-BRACING. REFER TO S-SERIES DRAWINGS.   |
| 24 | LINE OF CANOPY ABOVE.   |
| 25 | 08 33 23 - OVERHEAD COILING DOOR - REFERENCE DOOR SCHEDULE AND DETAILS.   |
| 26 | 07 71 00 - METAL DOWNSPOUT. REFER TO ROOF PLAN FOR SIZE. COORD. WITH S-SERIES DRAWINGS.   |
| 27 | 11 66 23 - WALL SAFETY PADS - 72" H. ALONG ENTIRE LENGTH OF WALL.   |
| 28 | 07 95 00 - FLOOR TO FLOOR EXPANSION COVER.  |
| 29 | 08 36 13 - BI-FOLD VERTICAL SECTIONAL DOOR.   |
| 30 | NEW STARTING BLOCKS BY OWNER.   |
| 31 | NEW DIVING BOARD EQUIPMENT ON EXISTING CONCRETE BASE BY OWNER.  |
| 32 | 10 21 23 - CUBICLE CURTAINS AND TRACK.  |
| 33 | MOP SINK. REFER TO P-SERIES DRAWINGS.   |
| 34 | EXISTING CARD READER TO REMAIN.   |
| 35 | ANNUNCIATOR PANEL. REFERENCE E-SERIES DRAWINGS.   |
| 36 | SLAT WALL ON ENTIRE WALL FACE - COUNTER TO CEILING.   |
| 37 | 04 20 00 - KNOW BOX - COORD. EXACT LOCATION WITH LOCAL FIRE DEPT.   |
| 38 | BULKHEAD ABOVE. REFERENCE REFLECTED CEILING PLAN.   |
| 39 | 07 95 00 - EXPANSION JOINT. PROVIDE EXPANSION JOINT COVERS AT ALL JOINT LOCATIONS ALONG LINE.   |
| 40 | CONCRETE RAMP. REF. S-SERIES DRAWINGS.  |
| 41 | NEW CONCRETE SLAB. REFER TO S-SERIES DRAWINGS FOR ADDITIONAL INFORMATION.   |
| 42 | 12 24 13 - MOTORIZED WINDOW SHADES  |
| 43 | NEW DRAIN COVERS BY OWNER.  |



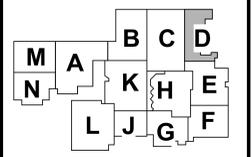
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#	Revision	Date
A1	Addendum #1	09.15.2023
A2	Addendum #2	09.19.2023

3431 N 400 W  
 Kokomo IN , 46901



KEY PLAN

NORTHWESTERN SCHOOL CORPORATION



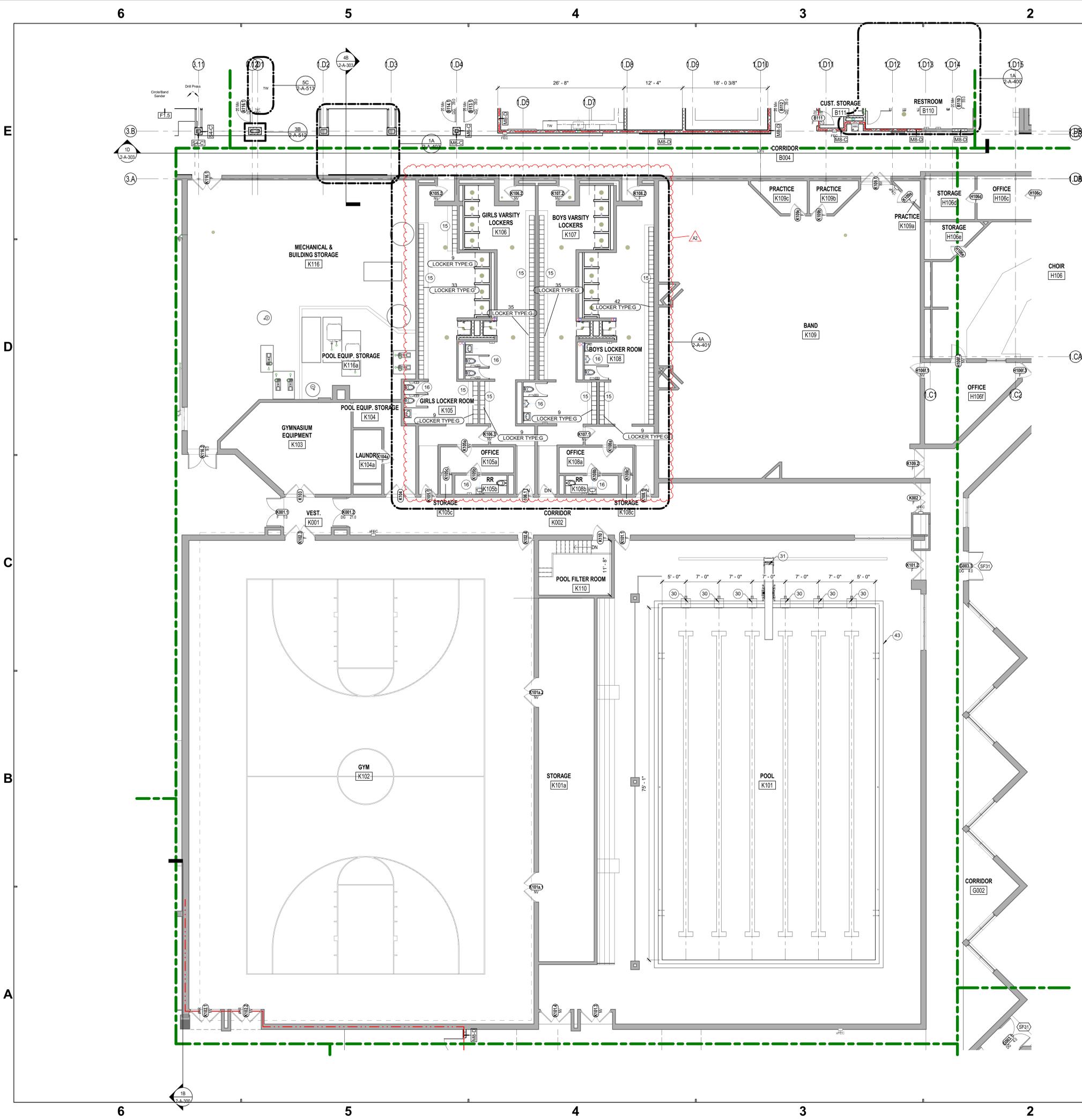
NORTHWESTERN HIGH SCHOOL / MIDDLE SCHOOL

FIRST FLOOR PLAN - UNIT D

2-AF1D1

1A H - FIRST FLOOR PLAN - UNIT D  
 1/8" = 1'-0"





**General Plan Notes**

- A. All dimensions shown are to face of stud or masonry, unless noted otherwise. Dimensions designated as "CLR" or "clear" indicate a clear dimension from face of finish to face of finish. Dimensions of exterior walls are to outside edge of foundation.
- B. Dimensions for all openings for Mechanical, Plumbing, Fire Protection and Electrical shall be fire stopped at each floor penetration.
- C. Provide bracing and blocking as required in walls supporting casework, tackboards, markers, and restroom accessories.
- D. All door frames are located 4" from adjacent wall, unless noted otherwise.
- E. All exposed outside corners of CMU shall be bullnosed.
- F. Seal all joints between dissimilar materials.
- G. All gypsum wallboard is 5/8" Type "X", unless noted otherwise.
- H. Where new floors meet existing floors, a smooth, straight, and flush transition shall be constructed. Verify in field existing floor elevations and conditions where a new floor shall be constructed adjacent. Trim and patch existing floor as required to achieve desired transition.
- I. All exterior windows are Type "SF3", unless noted otherwise.
- J. All interior walls are Type "S4-D", unless noted otherwise.
- K. Base elevation is 0'-0" = 820.52' (United States Geological Survey data).
- L. Hatching within walls shown in plans and sections indicates new construction.
- M. At second floor of the existing middle school, prior to core-drilling or anchoring into the existing hollow-core precast floor planks, all existing prestressed tendons in the precast planks shall be located using GPR, X-ray, or similar means and documented on shop drawings with accurate plan dimensions tied to existing walls or gridlines. After documenting the tendon locations, all penetrations and anchors must be laid out to avoid tendons. Submit documentation to CM/A/E prior to core-drilling or anchoring to precast planks.

**FLOOR PLAN NOTES**

#	Note
1	08 71 00 - ADA AUTOMATIC OPERATOR. COORDINATE LOCATION WITH ARCHITECT.
2	ACCESS CONTROL CARD READER. REFER TO T-SERIES DWGS.
3	INTERCOM - TALK/VIDEO. REFER TO T-SERIES DRAWINGS.
4	PANIC BUTTON ON MILLWORK. REFER TO T-SERIES DRAWINGS.
5	08 71 00 - LOCK/UNLOCK SWITCH FROM RECEPTION DESK FOR 3 DOORS.
6	10 14 00 - BUILDING SIGNAGE REFER TO ELEVATIONS.
7	INFILL OPENING WITH CONSTRUCTION MATCHING EXISTING ADJACENT CONSTRUCTION. AT EXTERIOR MASONRY LOCATIONS USE SALVAGED BRICK. TOOTH-IN MASONRY.
8	08 88 00 - ONE WAY GRAPHIC FILM APPLIED TO EXISTING GLASS SIDELITE.
9	03 30 00 - INFILL EXISTING SLAB WITH TOPPING MATERIAL TO LEVEL AFTER REMOVAL OF EXISTING QUARRY TILE. PREP FOR NEW FLOOR FINISH.
10	05 73 00 - DECORATIVE METAL RAILING TYPE A
11	03 30 00 - INFILL EXISTING SLAB TO LEVEL. REF. S-SERIES DRAWINGS. PREP FOR NEW FLOOR FINISH.
12	ALIGN NEW WALL W/ EXISTING
13	05 73 00 - DECORATIVE METAL RAILING TYPE B
14	10 51 13 - CORRIDOR LOCKERS (TYPE A): 15X15X36 DOUBLE STACKED TO 6 FT SLOPE TOP. 175 PER GRADE LEVEL. ON 4" BASE.
15	10 51 13 - POOL LOCKERS (TYPE B): 12X18X30 DOUBLE STACKED TO SLOPE TOP. 150 LOCKERS PER LOCKER ROOM.
16	10 51 13 - POOL LOCKERS (TYPE G): 12X12X30 DOUBLE STACKED TO SLOPE TOP. 150 LOCKERS PER LOCKER ROOM.
17	EXISTING COILING OVERHEAD DOOR TO REMAIN.
18	OPEN TO BELOW
19	11 54 13 - KILN
20	EYE WASH/SHOWER UNIT - REFER TO P-SERIES DRAWINGS.
21	FLAMMABLE STORAGE CABINET
22	14 24 00 - HYDRAULIC ELEVATOR
23	STRUCTURAL CROSS-BRACING. REFER TO S-SERIES DRAWINGS.
24	LINE OF CANOPY ABOVE
25	08 33 23 - OVERHEAD COILING DOOR - REFERENCE DOOR SCHEDULE AND DETAILS.
26	07 71 00 - METAL DOWNSPOUT. REFER TO ROOF PLAN FOR SIZE. COORD. WITH S-SERIES DRAWINGS.
27	11 56 23 - WALL SAFETY PADS - 72" H. ALONG ENTIRE LENGTH OF WALL.
28	07 95 00 - FLOOR TO FLOOR EXPANSION COVER
29	08 36 13 - BI-FOLD VERTICAL SECTIONAL DOOR
30	NEW STARTING BLOCKS BY OWNER.
31	NEW DIVING BOARD EQUIPMENT ON EXISTING CONCRETE BASE BY OWNER.
32	10 21 23 - CUBICLE CURTAINS AND TRACK
33	MOP SINK. REFER TO P-SERIES DRAWINGS.
34	EXISTING CARD READER TO REMAIN.
35	ANNUNCIATOR PANEL. REFERENCE E-SERIES DRAWINGS.
36	SLAT WALL ON ENTIRE WALL FACE. COUNTER TO CEILING.
37	04 20 00 - KNOW BOX - COORD. EXACT LOCATION WITH LOCAL FIRE DEPT.
38	BULKHEAD ABOVE. REFERENCE REFLECTED CEILING PLAN.
39	07 95 00 - EXPANSION JOINT. PROVIDE EXPANSION JOINT COVERS AT ALL JOINT LOCATIONS ALONG LINE.
40	CONCRETE PUMP. REF. S-SERIES DRAWINGS.
41	NEW CONCRETE SLAB. REFER TO S-SERIES DRAWINGS FOR ADDITIONAL INFORMATION.
42	12 24 13 - MOTORIZED WINDOW SHADES
43	NEW DRAIN COVERS BY OWNER.

**SCHMIDT ASSOCIATES**  
415 Massachusetts Avenue  
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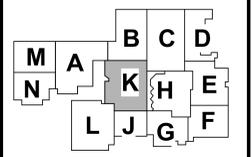
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Sarah K. Hempstead

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#	Revision	Date
A2	Addendum #2	09.19.2023

3431 N 400 W  
Kokomo IN , 46901



KEY PLAN

**NORTHWESTERN SCHOOL CORPORATION**



NORTHWESTERN HIGH SCHOOL / MIDDLE SCHOOL

FIRST FLOOR PLAN - UNIT K

2-AF1K1

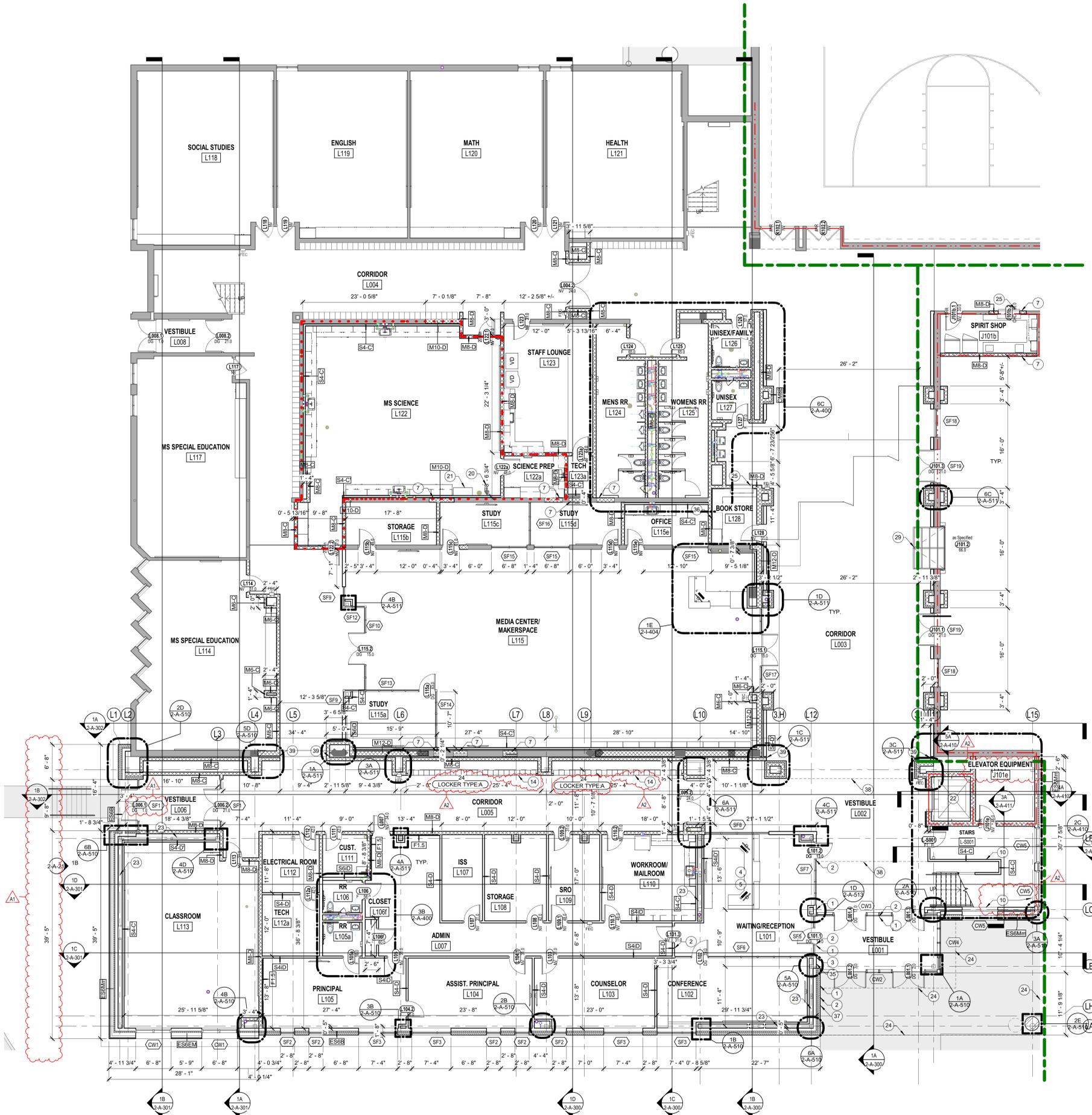
1A H - FIRST FLOOR PLAN - UNIT K  
1/8" = 1'-0"

### General Plan Notes

- A. All dimensions shown are to face of stud or masonry, unless noted otherwise. Dimensions designated as "CLR" or "clear" indicate a clear dimension from face of finish to face of finish. Dimensions of exterior walls are to outside edge of foundation.
- B. Dimensions for all openings for Mechanical, Plumbing, Fire Protection and Electrical shall be fire stopped at each floor penetration.
- C. Provide bracing and blocking as required in walls supporting casework, tackboards, markerboards, and restroom accessories.
- D. All door frames are located 4" from adjacent wall, unless noted otherwise.
- E. All exposed outside corners of CMU shall be bullnosed.
- F. Seal all joints between dissimilar materials.
- G. All gypsum wallboard is 5/8" Type "X", unless noted otherwise.
- H. Where new floors meet existing floors, a smooth, straight, and flush transition shall be constructed. Verify in field existing floor elevations and conditions where a new floor shall be constructed adjacent. Trim and patch existing floor as required to achieve desired transition.
- I. All exterior windows are Type "SF3", unless noted otherwise.
- J. All interior walls are Type "S4-D", unless noted otherwise.
- K. Base elevation is 0'-0" = 820.52' (United States Geological Survey data).
- L. Hatching within walls shown in plans and sections indicates new construction.
- M. At second floor of the existing middle school, prior to core-drilling or anchoring into the existing hollow-core precast floor planks, all existing prestressed tendons in the precast planks shall be located using GPR, X-ray, or similar means and documented on shop drawings with accurate plan dimensions tied to existing walls or gridlines. After documenting the tendon locations, all penetrations and anchors must be laid out to avoid tendons. Submit documentation to CM/A/E prior to core-drilling or anchoring to precast planks.

### FLOOR PLAN NOTES

- | #  | Note  |
|----|---|
| 1  | 08 71 00 - ADA AUTOMATIC OPERATOR. COORDINATE LOCATION WITH ARCHITECT.  |
| 2  | ACCESS CONTROL CARD READER. REFER TO T-SERIES DWGS.   |
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| 6  | 10 14 00 - BUILDING SIGNAGE REFER TO ELEVATIONS.  |
| 7  | INFILL OPENING WITH CONSTRUCTION MATCHING EXISTING ADJACENT CONSTRUCTION. AT EXTERIOR MASONRY LOCATIONS USE SALVAGED BRICK. TOOTH-IN MASONRY. |
| 8  | 08 88 00 - ONE WAY GRAPHIC FILM APPLIED TO EXISTING GLASS SIDELITE.   |
| 9  | 03 30 00 - INFILL EXISTING SLAB WITH TOPPING MATERIAL. TO LEVEL AFTER REMOVAL OF EXISTING QUARRY TILE. PREP FOR NEW FLOOR FINISH.             |
| 10 | 05 73 00 - DECORATIVE METAL RAILING TYPE A  |
| 11 | 03 30 00 - INFILL EXISTING SLAB TO LEVEL. REF. S-SERIES DRAWINGS. PREP FOR NEW FLOOR FINISH.  |
| 12 | ALIGN NEW WALL W/ EXISTING  |
| 13 | 05 73 00 - DECORATIVE METAL RAILING TYPE B  |
| 14 | 10 51 13 - CORRIDOR LOCKERS (TYPE A). 15X15X36 DOUBLE STACKED TO 6 FT SLOPE TOP. 175 PER GRADE LEVEL. ON 4" BASE                              |
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| 17 | FIXTURE REPLACEMENTS IN EXISTING LOCATIONS.   |
| 18 | OPEN TO BELOW   |
| 19 | 11 54 13 - KILN   |
| 20 | EYE WASH/SHOWER UNIT - REFER TO P-SERIES DRAWINGS.  |
| 21 | FLAMMABLE STORAGE CABINET   |
| 22 | 14 24 00 - HYDRAULIC ELEVATOR   |
| 23 | STRUCTURAL CROSS-BRACING. REFER TO S-SERIES DRAWINGS.   |
| 24 | LINE OF CANOPY ABOVE  |
| 25 | 08 33 23 - OVERHEAD COILING DOOR - REFERENCE DOOR SCHEDULE AND DETAILS.   |
| 26 | 07 71 00 - METAL DOWNSPOUT. REFER TO ROOF PLAN FOR SIZE. COORD. WITH CSERIES DRAWINGS.  |
| 27 | 11 85 23 - WALL SAFETY PADS - 72" H. ALONG ENTIRE LENGTH OF WALL.   |
| 28 | 07 95 00 - FLOOR TO FLOOR EXPANSION COVER.  |
| 29 | 06 36 13 - BI-FOLD VERTICAL SECTIONAL DOOR.   |
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| 31 | NEW DIVING BOARD EQUIPMENT ON EXISTING CONCRETE BASE BY OWNER.  |
| 32 | 10 21 23 - CUBICLE CURTAINS AND TRACK.  |
| 33 | MOP SINK. REFER TO P-SERIES DRAWINGS.   |
| 34 | EXISTING CARD READER TO REMAIN.   |
| 35 | ANNUNCIATOR PANEL. REFERENCE E-SERIES DRAWINGS.   |
| 36 | SLAT WALL ON ENTIRE WALL FACE - COUNTER TO CEILING.   |
| 37 | 04 20 00 - KNOW BOX - COORD. EXACT LOCATION WITH LOCAL FIRE DEPT.   |
| 38 | BULKHEAD ABOVE. REFERENCE REFLECTED CEILING PLAN.   |
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| 42 | 12 24 13 - MOTORIZED WINDOW SHADES  |
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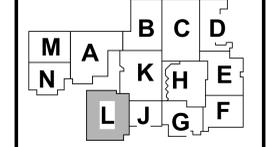
Project No. 2022-086.TGR  
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Sarah K. Hempstead

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#	Revision	Date
A1	Addendum #1	09.15.2023
A2	Addendum #2	09.19.2023

3431 N 400 W  
Kokomo IN, 46901



### KEY PLAN

**NORTHWESTERN SCHOOL CORPORATION**



NORTHWESTERN HIGH SCHOOL / MIDDLE SCHOOL

FIRST FLOOR PLAN - UNIT L

2-AF1L1

1A H - FIRST FLOOR PLAN - UNIT L  
1/8" = 1'-0"

6

5

4

3

2

1

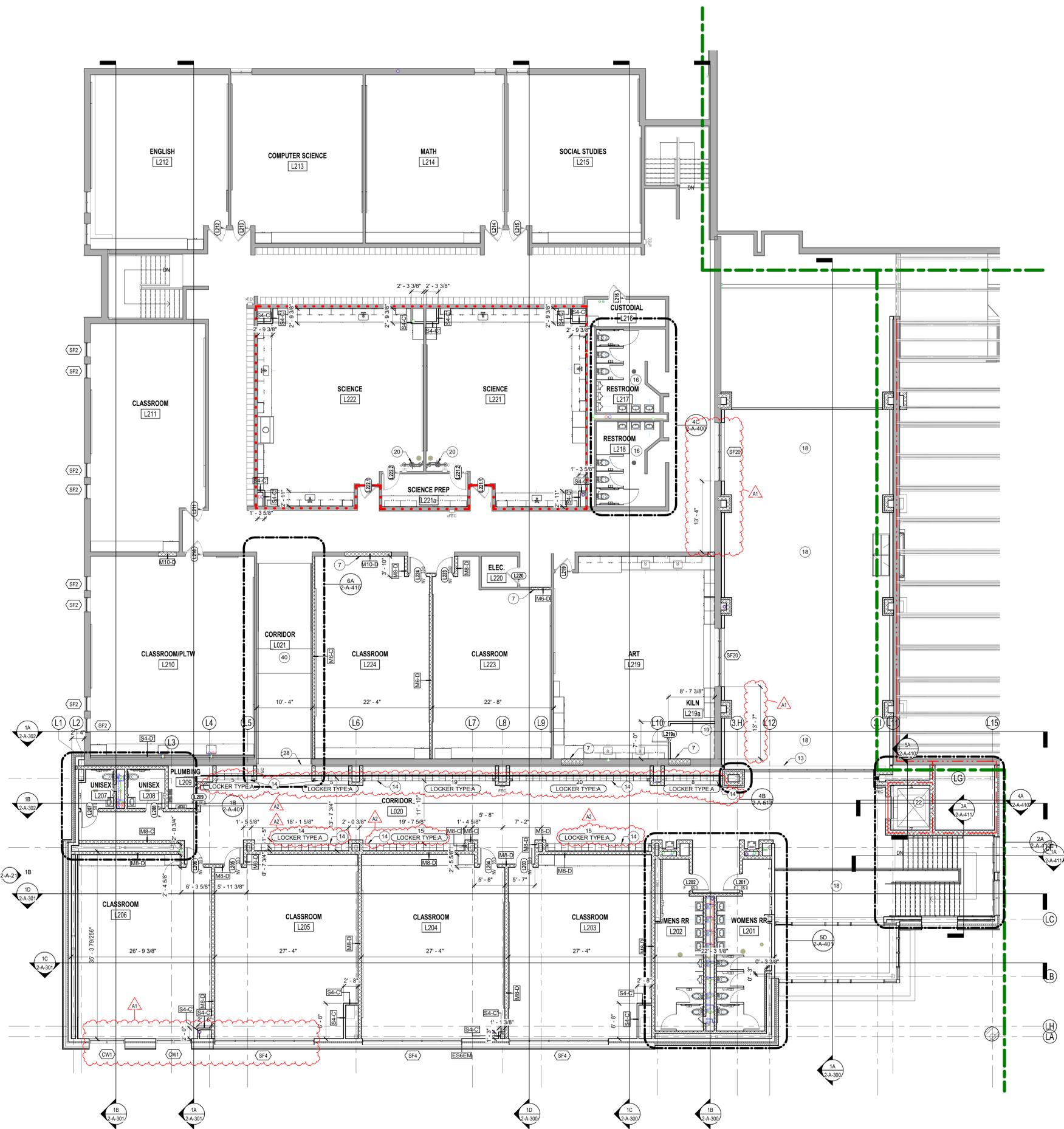
E

D

C

B

A



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**FLOOR PLAN NOTES**

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| 27 | 11 66 23 - WALL SAFETY PADS - 72" H. ALONG ENTIRE LENGTH OF WALL.   |
| 28 | 07 95 00 - FLOOR TO FLOOR EXPANSION COVER.  |
| 29 | 08 36 13 - BI-FOLD VERTICAL SECTIONAL DOOR.   |
| 30 | NEW STARTING BLOCKS BY OWNER.   |
| 31 | NEW DIVING BOARD EQUIPMENT ON EXISTING CONCRETE BASE BY OWNER.  |
| 32 | 10 21 23 - CUBICLE CURTAINS AND TRACK.  |
| 33 | MOP SINK. REFER TO P-SERIES DRAWINGS.   |
| 34 | EXISTING CARD READER TO REMAIN.   |
| 35 | ANNUNCIATOR PANEL. REFERENCE E-SERIES DRAWINGS.   |
| 36 | SLAT WALL ON ENTIRE WALL FACE. - COUNTER TO CEILING.  |
| 37 | 04 20 00 - KNOW BOX - COORD. EXACT LOCATION WITH LOCAL FIRE DEPT.   |
| 38 | BULKHEAD ABOVE. REFERENCE REFLECTED CEILING PLAN.   |
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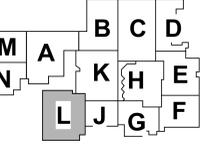
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3431 N 400 W  
 Kokomo IN, 46901



**KEY PLAN**

**NORTHWESTERN SCHOOL CORPORATION**

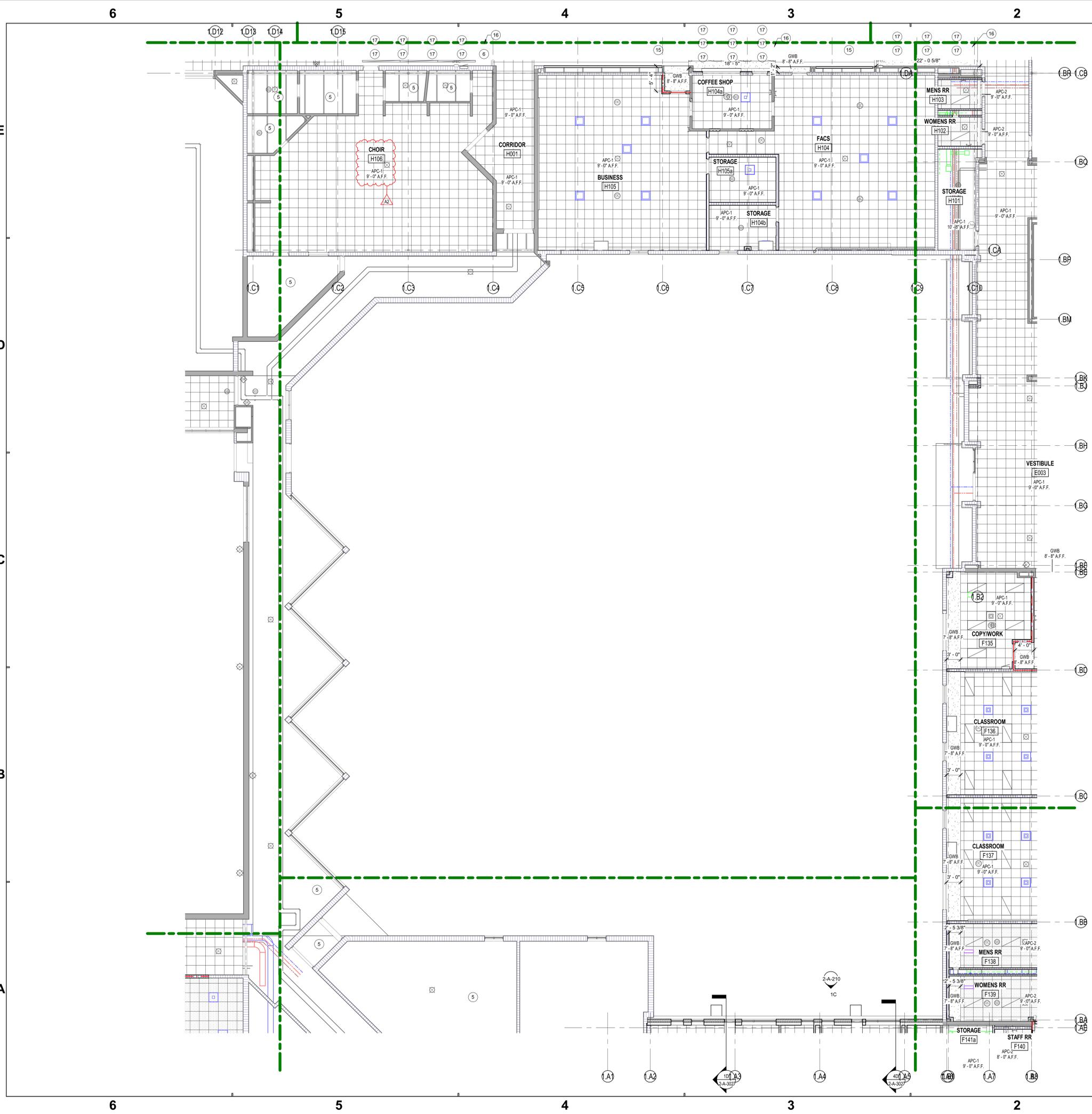


**NORTHWESTERN HIGH SCHOOL / MIDDLE SCHOOL**

**SECOND FLOOR PLAN - UNIT L**

**2-AF1L2**

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



**General Refl. Ceiling Plan Notes**

- A. All ceilings are at 9'-0" AFF, unless noted otherwise.
- B. All bulkheads are at 8'-10" AFF, unless noted otherwise.
- C. All grids are centered in rooms, unless noted otherwise.
- D. All exposed ductwork, piping etc. shall be painted. Color selected by Architect.
- E. Locate sprinkler heads in center of ceiling panel - where applicable.

**REFLECTED CEILING PLAN LEGEND**

<b>APC-1</b>	2' X 2' Acoustical Panel Ceiling (09 51 13)	Light Fixture (Reference E-Series Dwg)	
<b>APC-2</b>	2' X 2' Washable Acoustical Panel Ceiling (09 51 13)	Return Air (Reference M-Series Dwg)	
<b>APC-3</b>	2' X 2' Humidity Resistant Acoustical Panel Ceiling (09 51 13)	Supply Air (Reference M-Series Dwg)	
<b>GW</b>	5/8" GWB on Grid Suspension System (09 22 16)	Exit Light (Reference E-Series Dwg)	
<b>APC-4</b>	ENDURA LINEAR DIRECT MOUNT CEILING (09 54 23)	Recessed Light Fixture Suspended Fixture in Areas with Exposed Ceilings (Reference E-Series Dwg)	
<b>Walls to Deck</b>		SOUND SYSTEM SPEAKER (REFERENCE E-SERIES/T-SERIES DWGS)	

**REFLECTED CEILING PLAN NOTES**

- # NOTE**
- 1 EXPOSED STRUCTURE AND DECK. PREP ALL EXPOSED STRUCTURE, DECK, PIPING, CONDUITS, AND DUCTWORK FOR NEW FINISH. REFERENCE I-SERIES DRAWINGS FOR FINISH.
  - 2 09 51 13 - METAL EDGE TRIM FOR CEILING CLOUD, 8" HIGH.
  - 3 10 73 16 - TRANSLUCENT CANOPY SYSTEM WITH MULLIONS 2'-0" O.C.
  - 4 EXISTING BULKHEAD CEILING TO REMAIN
  - 5 EXISTING CEILING TO REMAIN
  - 6 PAINT BULKHEAD IN ITS ENTIRETY P-3 (PURPLE ACCENT).
  - 7 PAINT CAFETERIA PERIMETER BULKHEADS IN THEIR ENTIRETY P-2 (GRAY ACCENT).
  - 8 5/8" GWB CEILING ATTACHED TO 3-5/8" METAL STUD ATTACHED TO UNDERSIDE OF STAIR STRINGER.
  - 9 ELEVATOR SHAFT
  - 10 VERTICAL UNIT VENTILATOR EXTENSION TO DECK. REFER TO M-SERIES DRAWINGS.
  - 11 10 21 23 - CUBICLE CURTAIN TRACK.
  - 12 07 24 13 - EIFS SOFFIT.
  - 13 08 38 13 - BI-FOLD VERTICAL SECTIONAL DOOR
  - 14 INSTALL DUCTWORK AND PIPING AS HIGH AS POSSIBLE TO ALLOW CEILING TO BE INSTALLED AS HIGH AS POSSIBLE. CONFIRM CEILING HEIGHT WITH ARCHITECT PRIOR TO INSTALLATION OF NEW CEILING.
  - 15 09 54 23 - ENDURA LINEAR DIRECT MOUNT CEILING - 6" PERFORATED V-GROOVE WITH SOUND TEX SCRM
  - 16 REVEAL TO MATCH WIDTH / DEPTH OF ACCESS PANEL SPECIFICATIONS. PAINT REVEAL P-3 (PURPLE ACCENT).
  - 17 08 31 13 - CEILING ACCESS PANEL 4'-8" X 1'-8". PAINT CEILING ACCESS PANELS WITH P-3 (PURPLE ACCENT)
  - 18 PROVIDE NEW GYP BULKHEAD WALL TO CAP EXISTING BULKHEAD TO REMAIN.

**SCHMIDT ASSOCIATES**  
 415 Massachusetts Avenue  
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 www.schmidt-arch.com

Project No. 2022-086.TGR  
 Project Date 08.29.2023  
 Produced TE MP

Sarah K. Hempstead

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#	Revision	Date
A2	Addendum #2	09.19.2023

3431 N 400 W  
 Kokomo IN , 46901

**KEY PLAN**

**NORTHWESTERN SCHOOL CORPORATION**

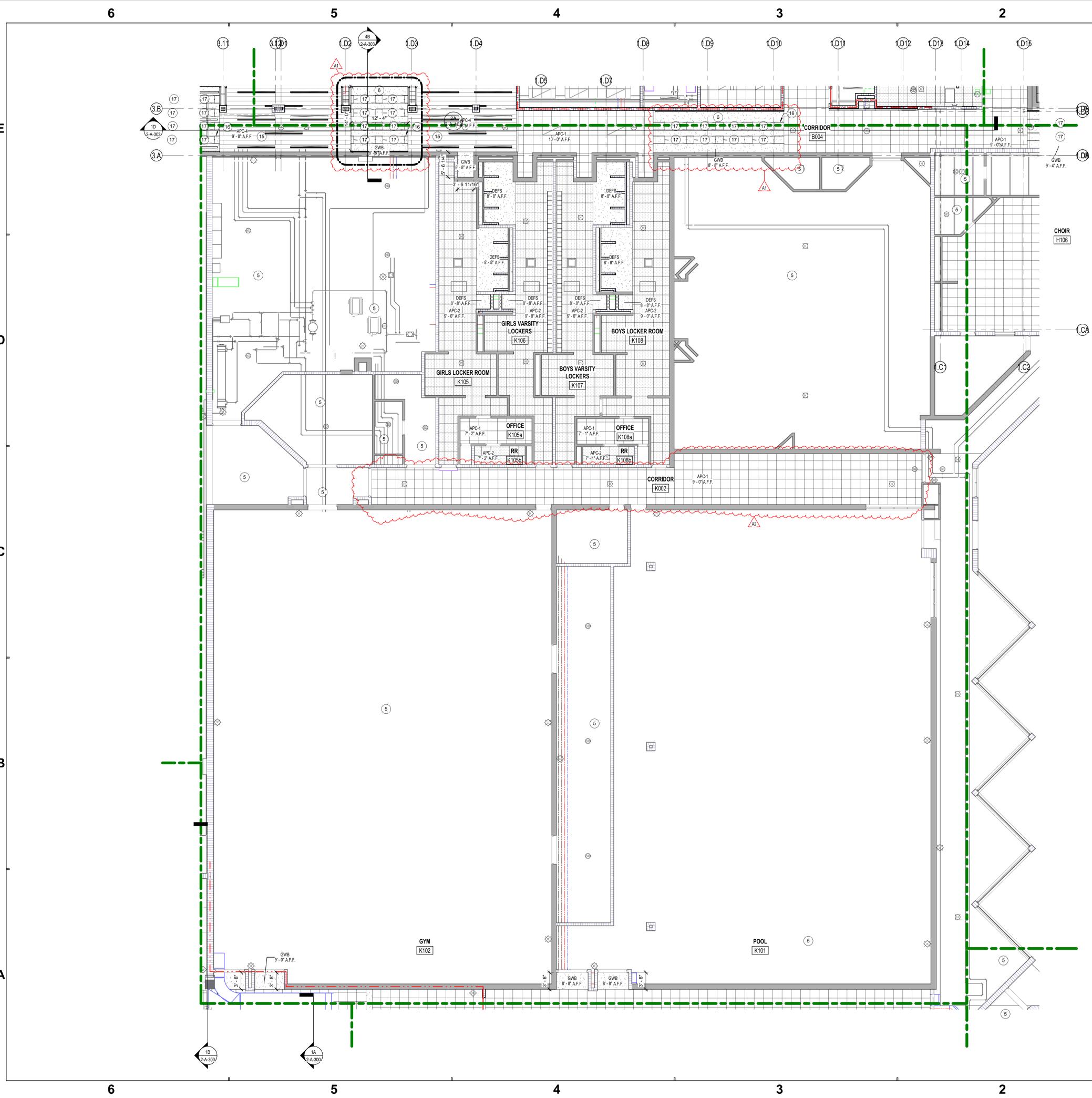
**NORTHWESTERN HIGH SCHOOL / MIDDLE SCHOOL**

**FIRST FLOOR RCP - UNIT H**

**2-AC1H1**

ARCHITECT: SCHMIDT ASSOCIATES, INC.  
 415 MASSACHUSETTS AVENUE  
 INDIANAPOLIS, IN 46204  
 TEL: 317.444.1111  
 WWW.SCHMIDT-ARCH.COM

**1A H - FIRST FLOOR RCP - UNIT H**  
 1/8" = 1'-0"



**General Refl. Ceiling Plan Notes**

- A. All ceilings are at 9'-0" AFF, unless noted otherwise.
- B. All bulkheads are at 8'-10" AFF, unless noted otherwise.
- C. All grids are centered in rooms, unless noted otherwise.
- D. All exposed ductwork, piping etc. shall be painted. Color selected by Architect.
- E. Locate sprinkler heads in center of ceiling panel - where applicable.

**REFLECTED CEILING PLAN LEGEND**

APC-1	2' X 2' Acoustical Panel Ceiling (09 51 13)	Light Fixture (Reference E-Series Dwgs)	
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APC-3	2' X 2' Humidity Resistant Acoustical Panel Ceiling (09 51 13)	Supply Air (Reference M-Series Dwgs)	
GWB	5/8" GWB on Grid Suspension System (09 22 16)	Exit Light (Reference E-Series Dwgs)	
APC-4	ENDURA LINEAR DIRECT MOUNT CEILING (09 54 23)	Recessed Light Fixture Suspended Fixture in Areas with Exposed Ceilings (Reference E-Series Dwgs)	
Walls to Deck		SOUND SYSTEM SPEAKER (REFERENCE E-SERIES/T-SERIES DWGS)	

**REFLECTED CEILING PLAN NOTES**

- # NOTE
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  - 9 ELEVATOR SHAFT
  - 10 VERTICAL UNIT VENTILATOR EXTENSION TO DECK. REFER TO M-SERIES DRAWINGS.
  - 11 10 21 23 - CUBICLE CURTAIN TRACK.
  - 12 07 24 13 - EIFS SOFFIT.
  - 13 08 36 13 - BI-FOLD VERTICAL SECTIONAL DOOR
  - 14 INSTALL DUCTWORK AND PIPING AS HIGH AS POSSIBLE TO ALLOW CEILING TO BE INSTALLED AS HIGH AS POSSIBLE. CONFIRM CEILING HEIGHT WITH ARCHITECT PRIOR TO INSTALLATION OF NEW CEILING.
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  - 17 08 31 13 - CEILING ACCESS PANEL 4'-8" X 1'-8". PAINT CEILING ACCESS PANELS WITH P-3 (PURPLE ACCENT)
  - 18 PROVIDE NEW GYP BULKHEAD WALL TO CAP EXISTING BULKHEAD TO REMAIN.

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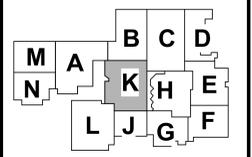
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 Project Date 08.29.2023  
 Produced TE MP

Sarah K. Hempstead

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#	Revision	Date
A1	Addendum #1	09.15.2023
A2	Addendum #2	09.19.2023

3431 N 400 W  
 Kokomo IN, 46901



**KEY PLAN**

**NORTHWESTERN SCHOOL CORPORATION**

NORTHWESTERN HIGH SCHOOL / MIDDLE SCHOOL

FIRST FLOOR RCP - UNIT K

2-AC1K1

1A - FIRST FLOOR RCP - UNIT K  
 1/8" = 1'-0"

6

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ROOF PLAN NOTES	
#	Note
1	07 35 23 - EXISTING ROOF DECK TO RECEIVE NEW EPDM ROOF AND ASSOCIATED ACCESSORIES. REFERENCE 07 53 23 FOR NEW EPDM ROOFING.
2	07 54 15 - EXPANSION JOINT - 2" WITH EXPANSION JOINT COVERS.
3	ROOF TOP ME/P/T EQUIPMENT. PROVIDE ROOF CURBS AND MANUFACTURER'S STANDARD FLASHING DETAIL. REFERENCE ME/P/T SERIES DRAWINGS. PROVIDE TAPERED INSULATION CRICKETS AS REQUIRED AROUND EQUIPMENT FOR POSITIVE DRAINAGE TO ROOF DRAINS.
4	07 53 23 - ROOF TYPE RT-B. EPDM MEMBRANE ROOFING SYSTEM - SLOPED BY TAPERED INSULATION MIN. 1/4" POSITIVE ROOF SLOPE TO DRAINS. SEE ROOF TYPE DETAIL 62-2-AR100.
5	EXISTING ROOF SYSTEM TO REMAIN. CONTRACTOR SHALL PROTECT EXISTING ROOFING SYSTEM TO REMAIN AS REQUIRED.
6	07 53 23 - REMOVE EXISTING METAL COPING. DETACH EXISTING EPDM MEMBRANE AND ROLL BACK TEMPORARILY TO ACCOMMODATE NEW CONSTRUCTION. REMOVE EXISTING PARAPET WALL AND ROOFING SYSTEM TO LIMITS INDICATED. AFTER CONSTRUCTION OF THE NEW ADDITION IS BUILT, PROVIDE NEW ROOFING SYSTEM TO MATCH EXISTING.
7	07 53 23 - ROOF TYPE RT-A. EPDM MEMBRANE ROOFING SYSTEM - SLOPED BY STRUCTURE. SEE ROOF TYPE DETAIL 60/2-AR100.
8	07 71 00 - THROUGH WALL SCUPPER AND DOWNSPOUT 5" X 7". COORDINATE DETAILING WITH ARCHITECT. PROVIDE FLASHING TO MAINTAIN ROOF MANUFACTURER WARRANTY.
9	07 71 00 - 4" X 4" DOWNSPOUT FROM INTEGRAL GUTTER TO SPLASH BLOCK.
10	KNEE WALL - REF 6E/2-AR100.
11	ROOF DRAIN AND OVERFLOW ROOF DRAIN ASSEMBLY. SEE P-SERIES DRAWINGS.
12	ALTERNATE - 10 73 16 - POLYCARBONATE LOW SLOPE CANOPY SYSTEM WITH INTEGRAL GUTTER.
13	07 71 00 - MANUFACTURED METAL COPING.
14	EXISTING ROOF DRAIN TO REMAIN.

**General Roof Plan Notes**

A. Where utilized, tapered insulation shall be installed to achieve positive drainage with a minimum resultant slope of 1/4" per foot, unless noted otherwise.

B. Low slope roof areas shall have a minimum of 4" rigid insulation over metal roof deck. Saddles, crickets, and slope portions of flat roof deck shall be formed by tapered insulation. Areas where tapered insulation is anticipated have been indicated, but shall not be considered all inclusive. It is Contractor's responsibility to provide sloped surfaces to achieve proper drainage.

C. Roof penetrations and equipment shown shall not be considered all inclusive. Coordinate with Mechanical, Plumbing and Electrical Documents to confirm penetrations and equipment locations. Flash all roof penetrations in accordance with roofing manufacturer's recommendations. Provide crickets to allow for proper drainage around units.

D. Roof walkway pads or blocks shall be installed in accordance with roofing manufacturer's recommendation where indicated and around entire perimeter of rooftop equipment.

E. Contractor shall protect existing roofing system noted to remain. Any damage to the existing roofing system to remain by Contractor shall be patched and repaired to the satisfaction of the Owner/Architect.

F. Contractor shall coordinate new/relocated downsouts with C-Series drawings for Drain boots that are tied into the storm drain system.

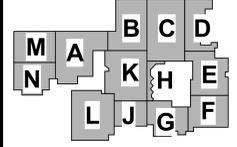


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KEY PLAN

NORTHWESTERN SCHOOL CORPORATION



NORTHWESTERN HIGH SCHOOL / MIDDLE SCHOOL

ROOF PLAN

2-AR100

E

D

C

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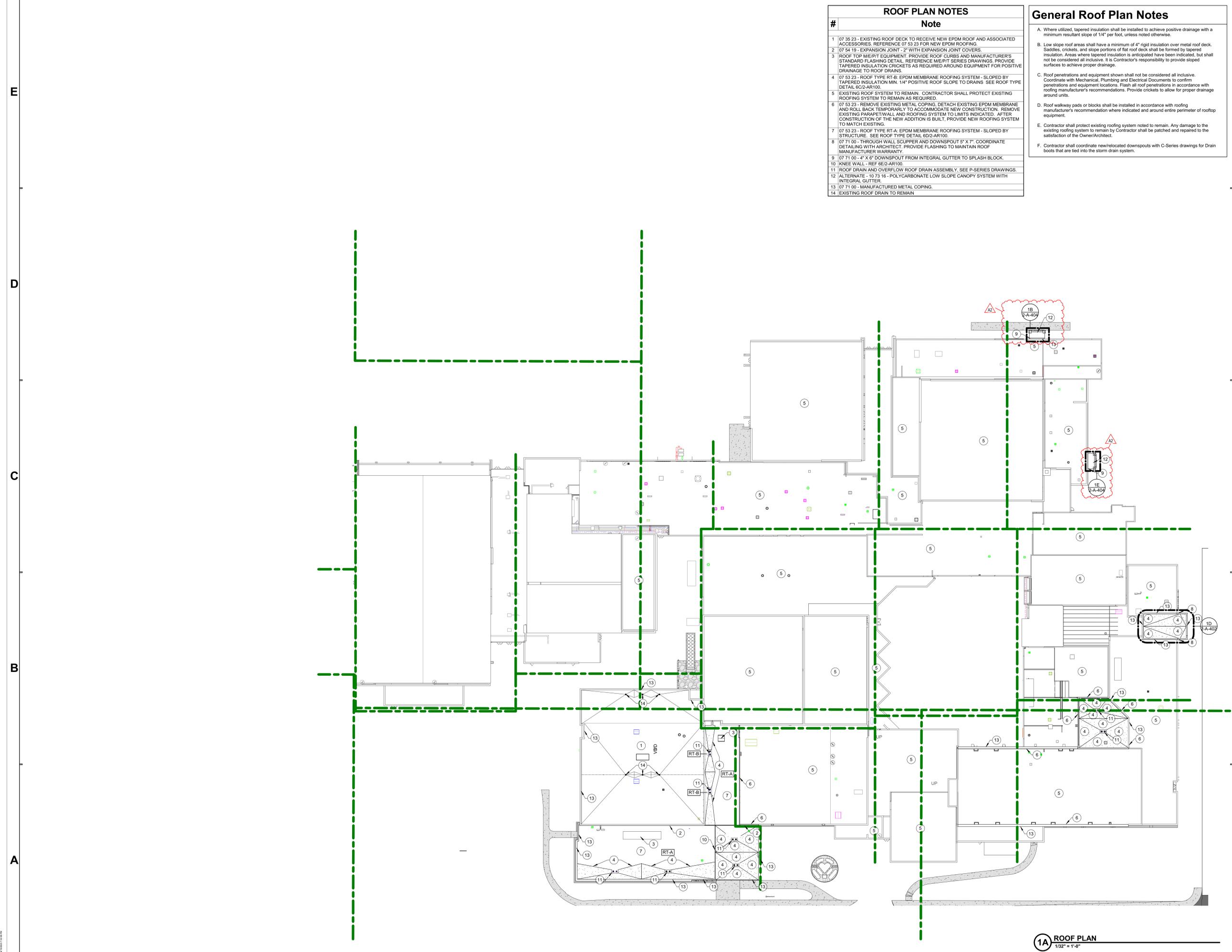
E

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1A ROOF PLAN  
 1/32" = 1'-0"

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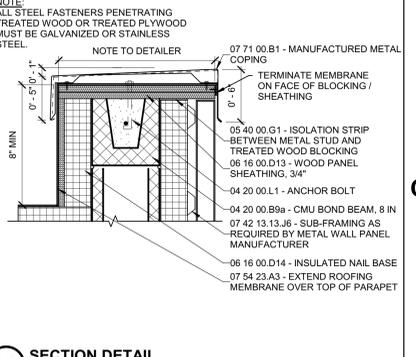
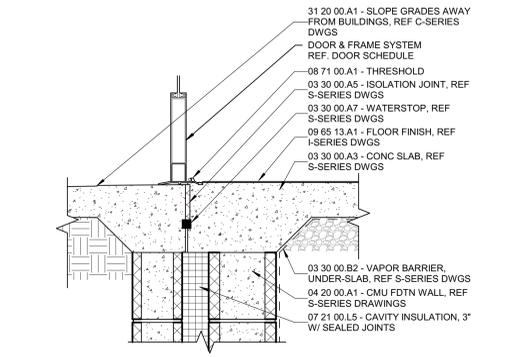
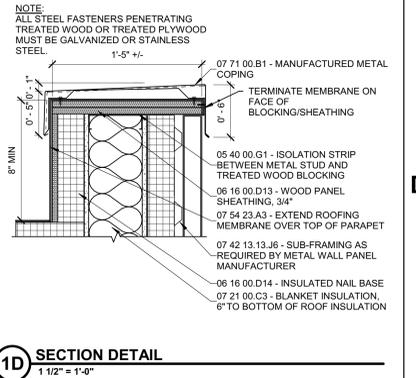
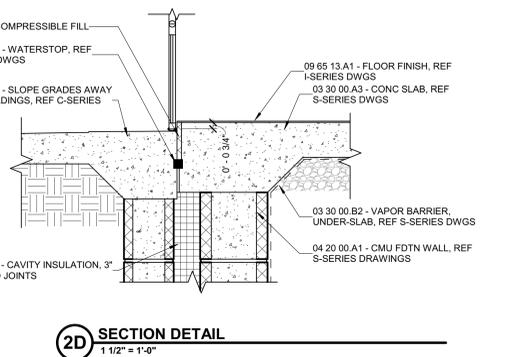
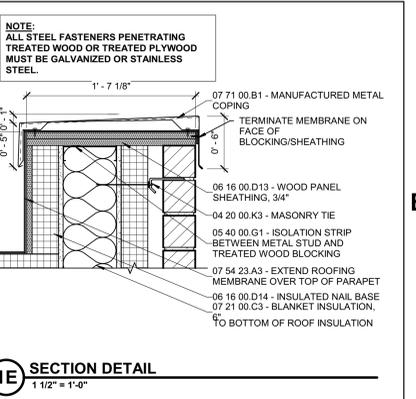
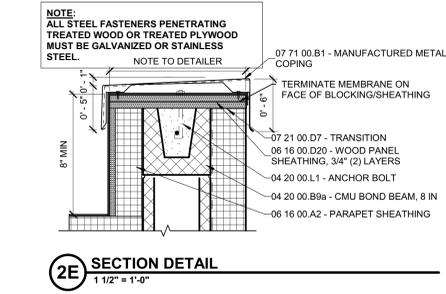
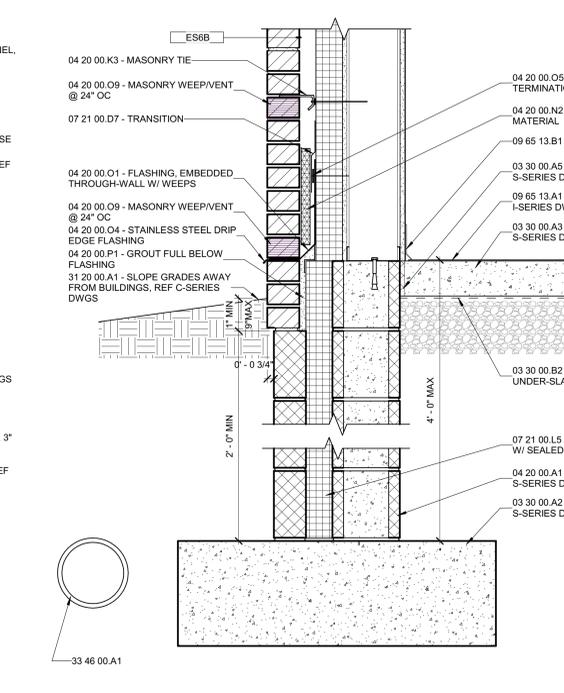
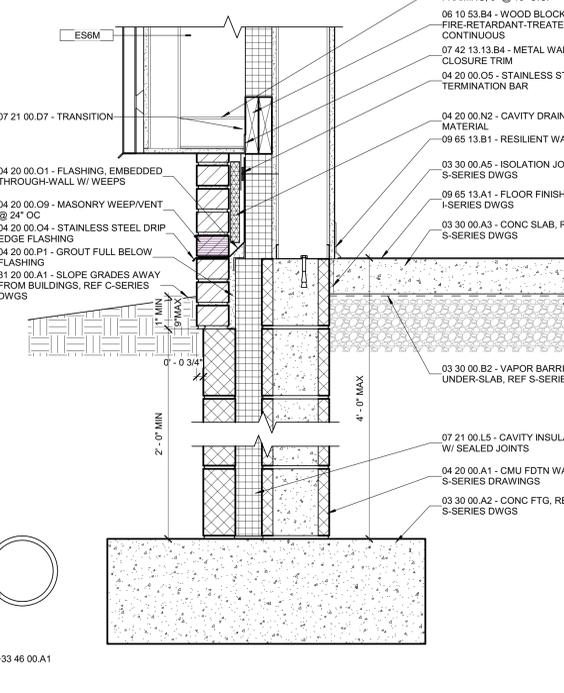
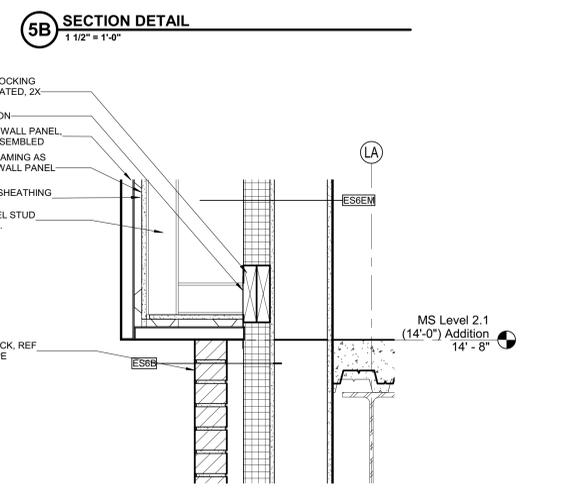
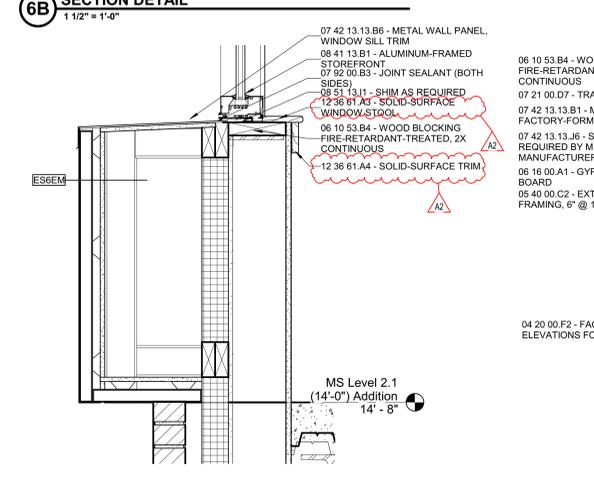
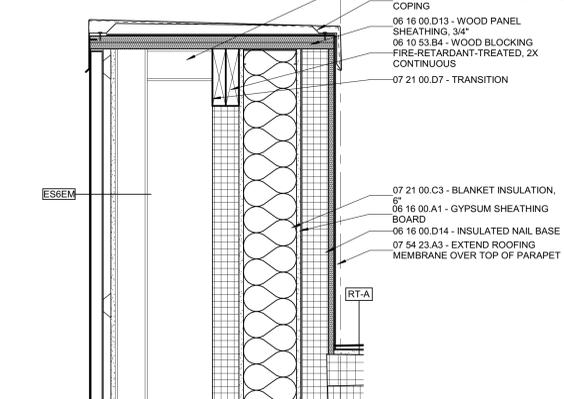
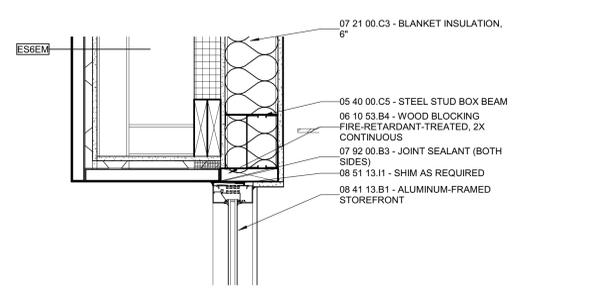
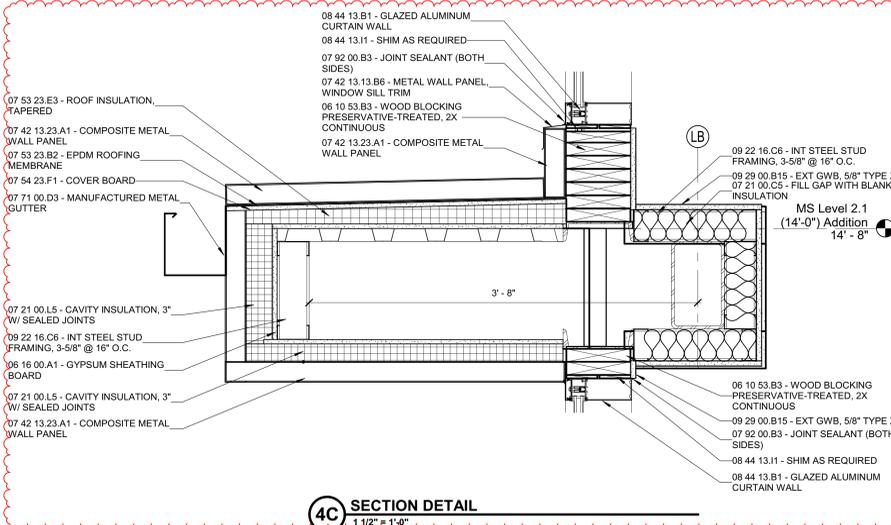
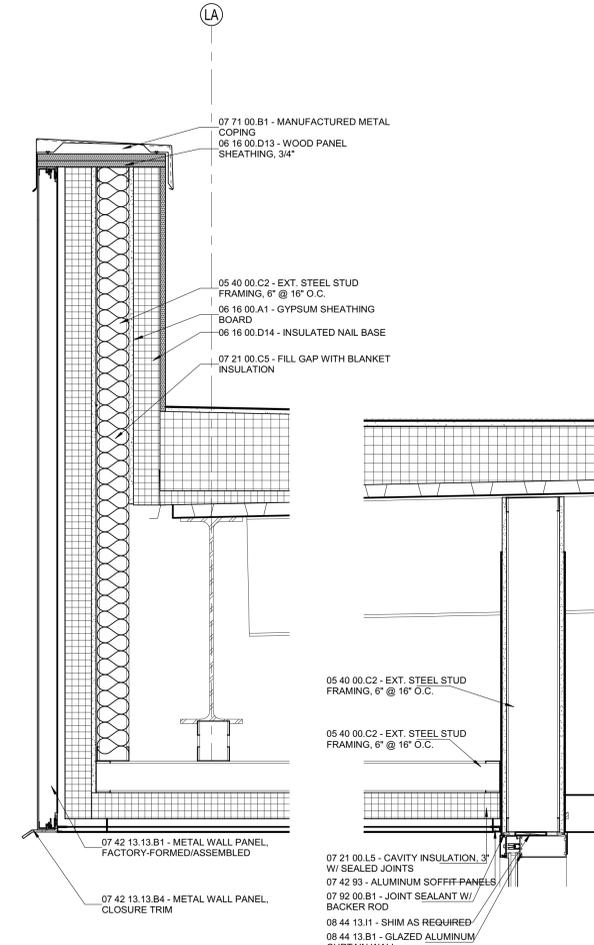
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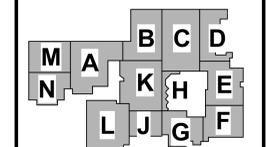
**SCHMIDT ASSOCIATES**  
415 Massachusetts Avenue  
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www.schmidt-arch.com

Project No. 2022-086.TGR  
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ARCHITECT REGISTERED PROFESSIONAL ARCHITECT  
NO. AR10400134  
STATE OF INDIANA  
Sarah K. Hempstead

#	Revision	Date
A1	Addendum #1	09.15.2023
A2	Addendum #2	09.19.2023

3431 N 400 W  
Kokomo IN, 46901



KEY PLAN

**NORTHWESTERN SCHOOL CORPORATION**

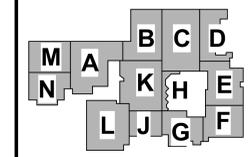
NORTHWESTERN HIGH SCHOOL / MIDDLE SCHOOL

WALL SECTION DETAILS

2-A-320

#	Revision	Date
A2	Addendum #2	09.19.2023

3431 N 400 W  
 Kokomo IN, 46901



KEY PLAN

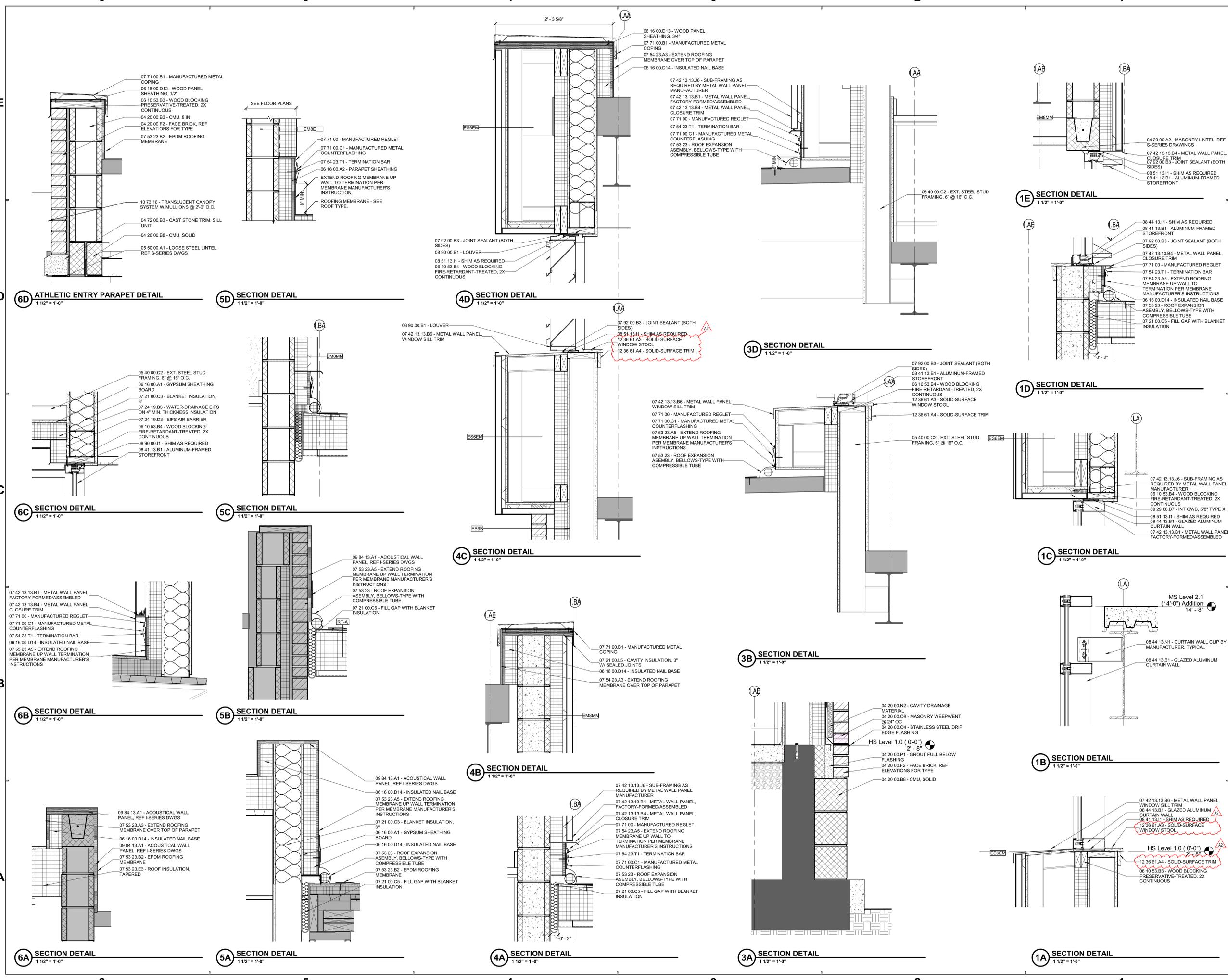
**NORTHWESTERN SCHOOL CORPORATION**



**NORTHWESTERN HIGH SCHOOL / MIDDLE SCHOOL**

WALL SECTION DETAILS

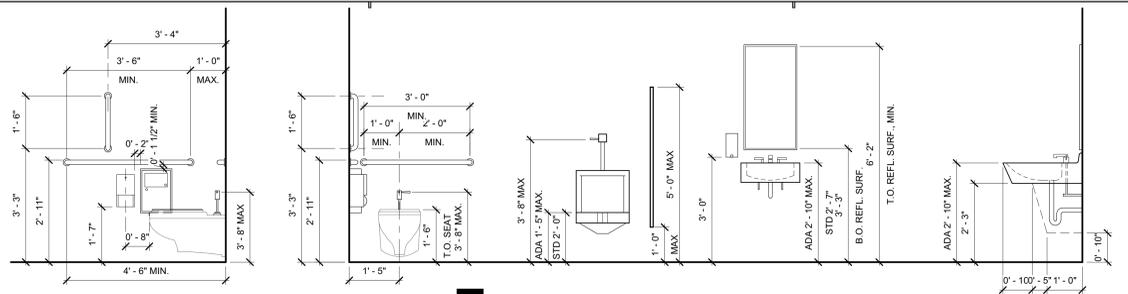
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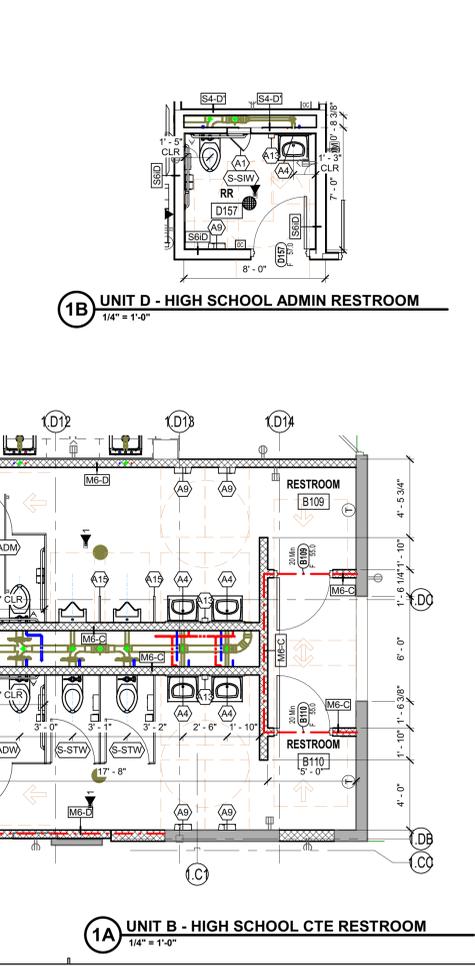
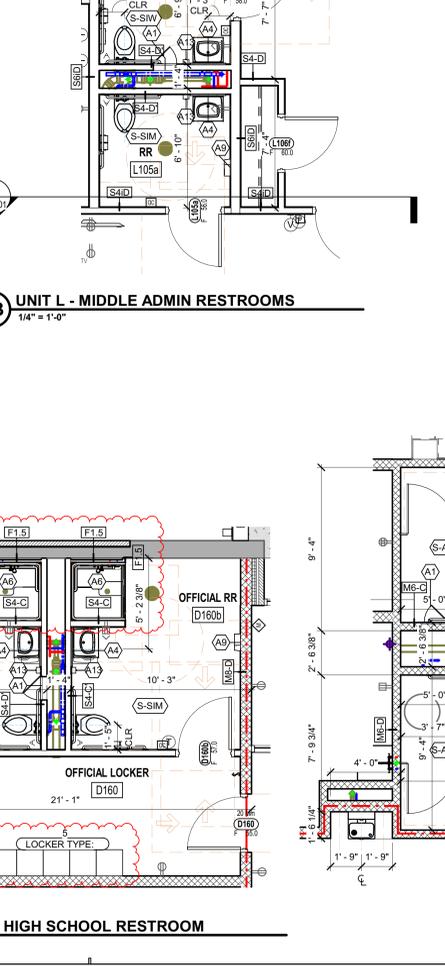
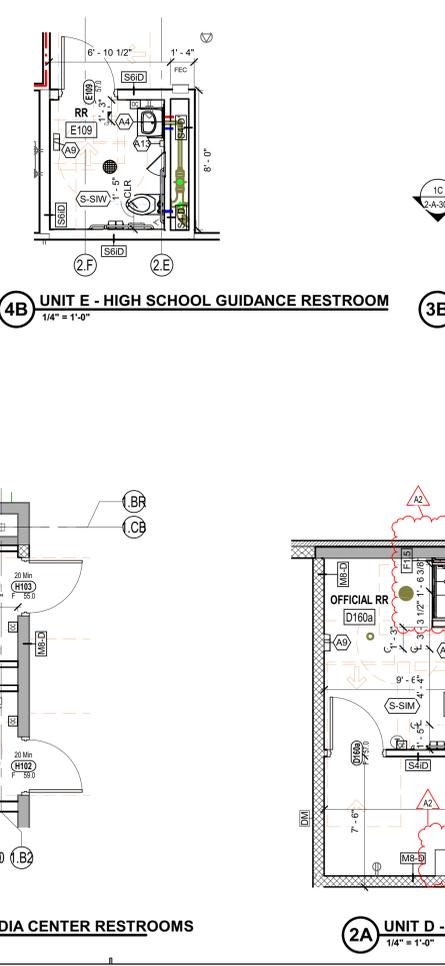
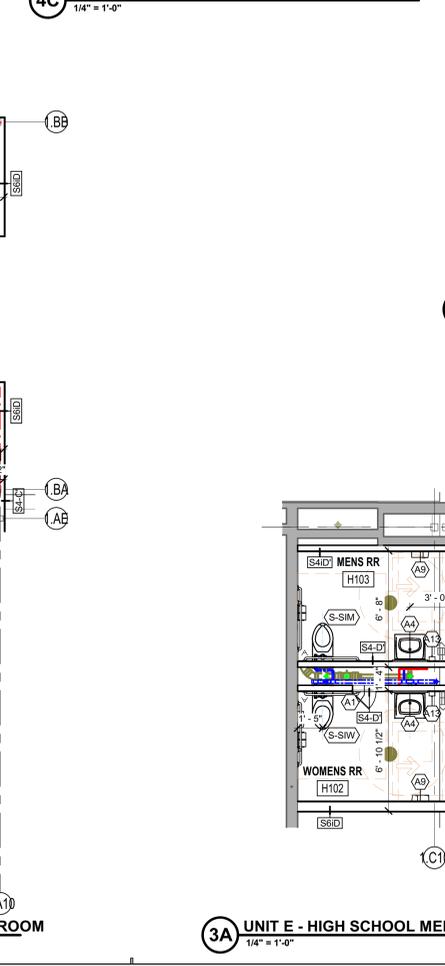
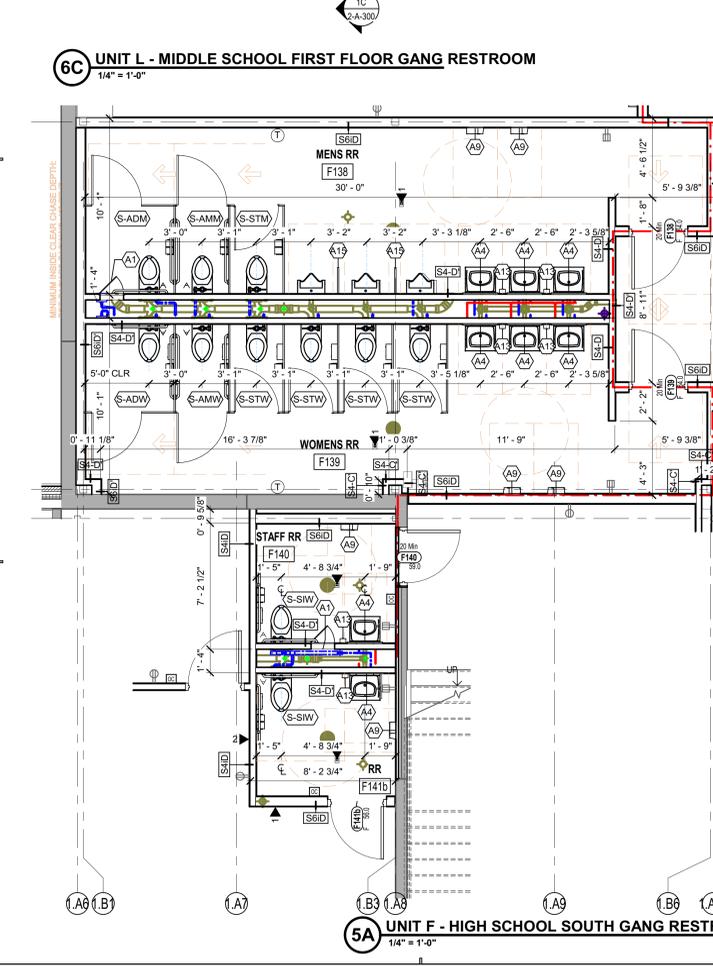
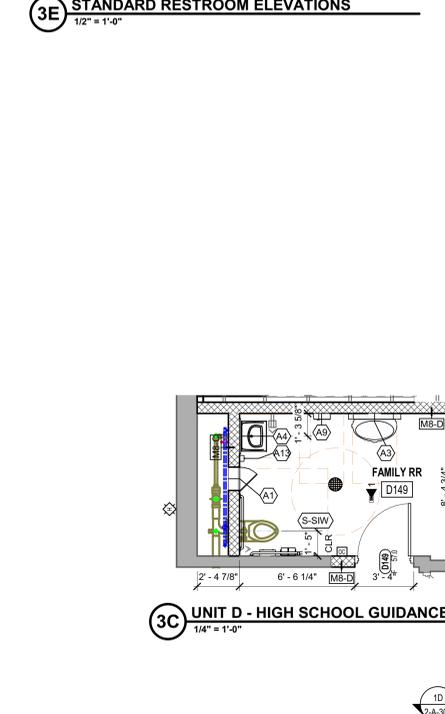
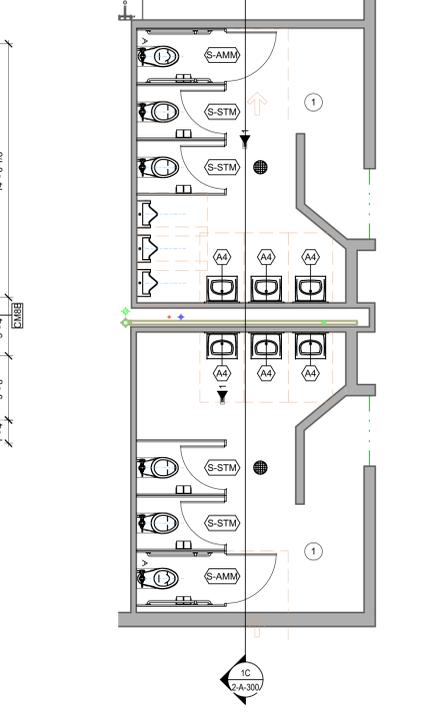
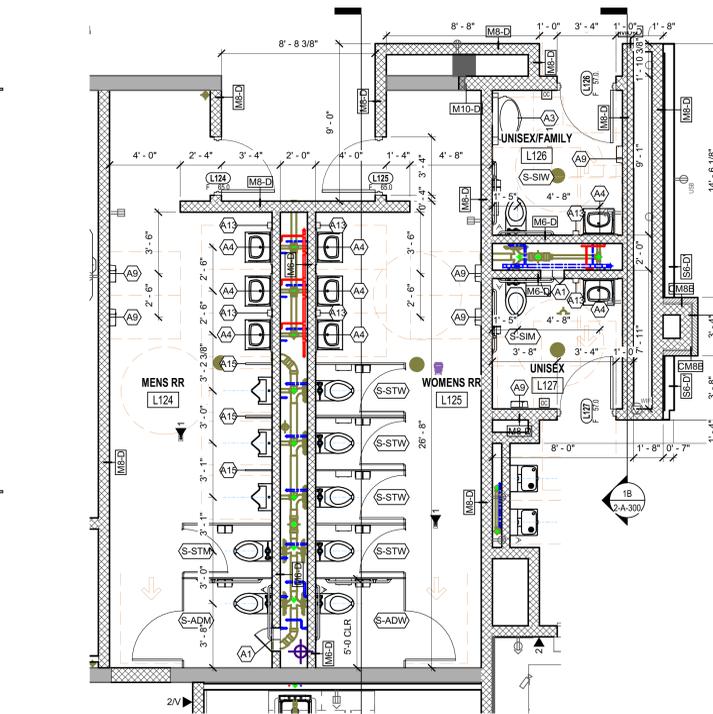
DATE: 08.29.2023  
 DRAWN BY: SCHMIDT ASSOCIATES  
 CHECKED BY: SCHMIDT ASSOCIATES  
 PROJECT: NORTHWESTERN SCHOOL CORPORATION / NORTHWESTERN HIGH SCHOOL / MIDDLE SCHOOL  
 SHEET: 2-A-321



ENLARGED FLOOR PLAN NOTES	
#	Note
1	PLUMBING FIXTURES TO BE REPLACED IN EXISTING LOCATIONS.



5.4.401 - RESTROOM ACCESSORY SCHEDULE						
Type Mark	Keynote	Description	Mounting	Furnished By	Installed By	
A1	08 31 13	ACCESS DOOR - 16" X 16"	BOTTOM @ 40" AFF	CONTRACTOR	CONTRACTOR	
A2	10 28 00	GRAB BAR - 18" VERTICAL	BOTTOM @ 40" AFF	CONTRACTOR	CONTRACTOR	
A3	10 28 00	CHANGING TABLE - SURFACE MOUNTED	UNDERSIDE OF BED @ 2'-3" MIN AFF	CONTRACTOR	CONTRACTOR	
A4	10 28 13	MIRROR - 24" X 36"	BOTTOM @ 4" ABOVE FIXTURE	CONTRACTOR	CONTRACTOR	
A5	10 28 00	GRAB BAR - 36" HORIZONTAL	TOP @ 2'-11" AFF	CONTRACTOR	CONTRACTOR	
A6	10 28 00	SHOWER CURTAIN ROD	TOP @ 2'-11" AFF	CONTRACTOR	CONTRACTOR	
A7	10 28 00	GRAB BAR - 42" HORIZONTAL	TOP @ 30" AFF	CONTRACTOR	CONTRACTOR	
A8	10 21 13	TOILET PARTITION	BOTTOM @ 4" ABOVE FIXTURE	CONTRACTOR	CONTRACTOR	
A9	10 28 00	HAND DRYER - SLIM	BOTTOM @ 42" AFF	CONTRACTOR	CONTRACTOR	
A10	10 28 00	SHOWER GRAB BAR, BASIS OF DESIGN BOBRICK B-8861	BOTTOM @ 30" AFF	CONTRACTOR	CONTRACTOR	
A11	10 28 00	FOLDING SHOWER SEAT, ADA	TOP @ 30" AFF	CONTRACTOR	CONTRACTOR	
A12	10 28 00	SANITARY NAPKIN DISPOSAL - SURFACE	BOTTOM @ 4" ABOVE FIXTURE	CONTRACTOR	CONTRACTOR	
A13	10 28 00	SOAP DISPENSER	OWNER	CONTRACTOR	CONTRACTOR	
A14	10 28 00	TOILET TISSUE DISPENSER - DOUBLE	BOTTOM @ 1'-6" AFF	CONTRACTOR	CONTRACTOR	
A15	10 28 00	URINAL SCREEN	-	CONTRACTOR	CONTRACTOR	
A16	10 28 00	PAPER TOWEL DISPENSER - SLIM	DISPENSER OPENING @ 42" AFF	OWNER	CONTRACTOR	
A17	10 28 13	MIRROR - 18" X 48"	BOTTOM @ 4" ABOVE FIXTURE	CONTRACTOR	CONTRACTOR	



**3E STANDARD RESTROOM ELEVATIONS**  
1/2" = 1'-0"

**2D UNIT E - HIGH SCHOOL ADMIN RESTROOM**  
1/4" = 1'-0"

**1C H-TOILET STALL TYPES**  
1/4" = 1'-0"

**3C UNIT D - HIGH SCHOOL GUIDANCE RESTROOM**  
1/4" = 1'-0"

**4B UNIT E - HIGH SCHOOL GUIDANCE RESTROOM**  
1/4" = 1'-0"

**3B UNIT L - MIDDLE ADMIN RESTROOMS**  
1/4" = 1'-0"

**4B UNIT E - HIGH SCHOOL GUIDANCE RESTROOM**  
1/4" = 1'-0"

**3B UNIT L - MIDDLE ADMIN RESTROOMS**  
1/4" = 1'-0"

**1B UNIT D - HIGH SCHOOL ADMIN RESTROOM**  
1/4" = 1'-0"

**3A UNIT E - HIGH SCHOOL MEDIA CENTER RESTROOMS**  
1/4" = 1'-0"

**2A UNIT D - HIGH SCHOOL RESTROOM**  
1/4" = 1'-0"

**1A UNIT B - HIGH SCHOOL CTE RESTROOM**  
1/4" = 1'-0"

5.4.402 - RESTROOM STALL TYPES	
Toilet Stall Mark	Description
S-ADM	ADA SHOWER STALL
S-ADW	ADA - MENS' STALL
S-ADMW	ADA - WOMENS' STALL
S-AMM	AMBULATORY - MENS' STALL
S-AMW	AMBULATORY - WOMENS' STALL
S-SIM	SINGLE OCCUPANCY STALL
S-SIW	SINGLE OCCUPANCY STALL
S-STM	STANDARD - MENS' STALL
S-STW	STANDARD - WOMENS' STALL

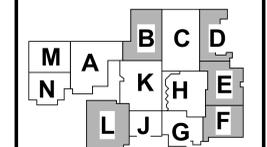


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Kokomo IN, 46901



NORTHWESTERN SCHOOL CORPORATION



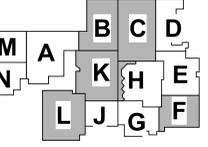
NORTHWESTERN HIGH SCHOOL / MIDDLE SCHOOL

ENLARGED PLANS

2-A-400

#	Revision	Date
A2	Addendum #2	09.19.2023

3431 N 400 W  
Kokomo IN, 46901



KEY PLAN

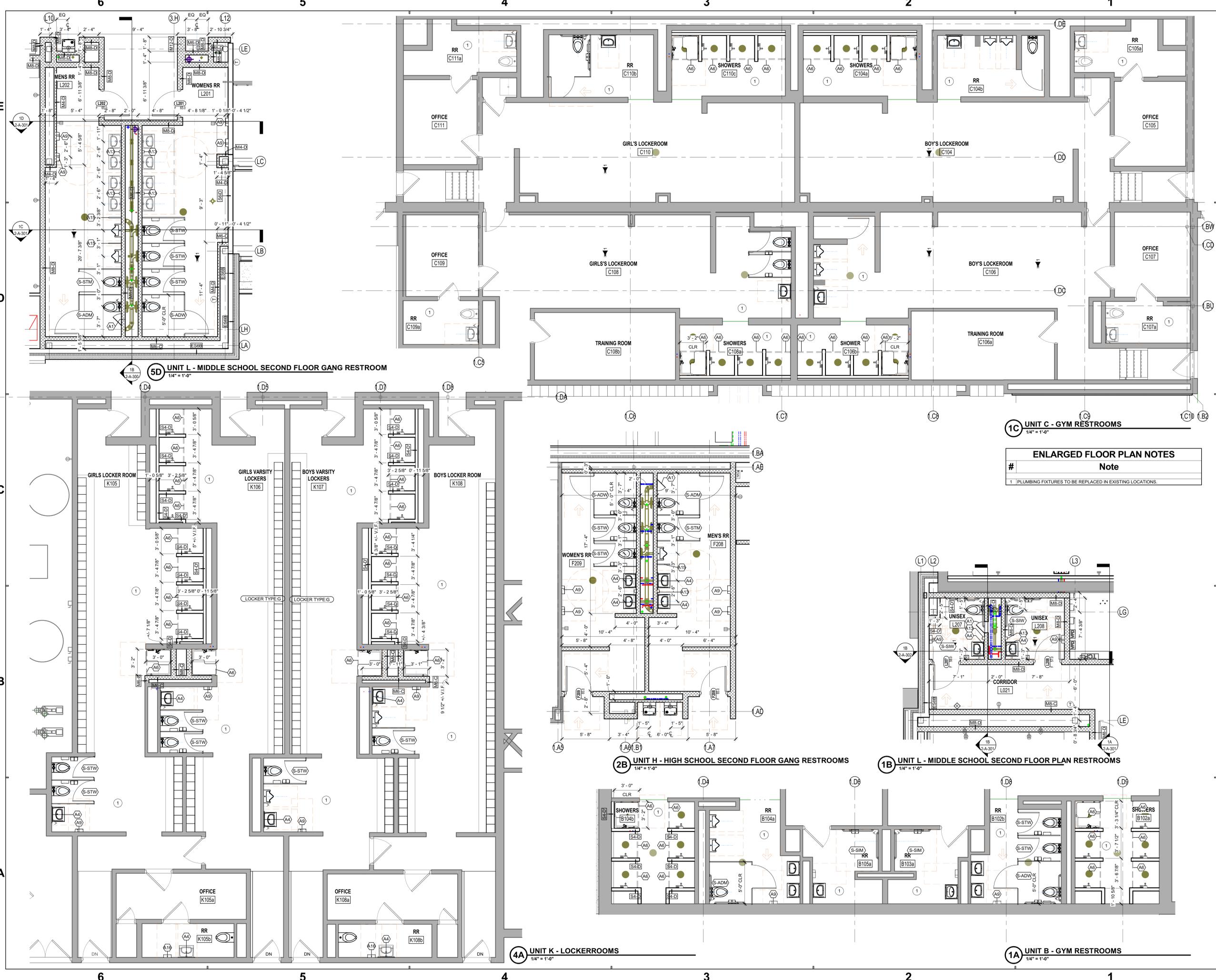
NORTHWESTERN SCHOOL CORPORATION



NORTHWESTERN HIGH SCHOOL / MIDDLE SCHOOL

ENLARGED PLANS

2-A-401



**5D UNIT L - MIDDLE SCHOOL SECOND FLOOR GANG RESTROOM**  
1/4" = 1'-0"

**1C UNIT C - GYM RESTROOMS**  
1/4" = 1'-0"

**ENLARGED FLOOR PLAN NOTES**

#	Note
1	PLUMBING FIXTURES TO BE REPLACED IN EXISTING LOCATIONS.

**2B UNIT H - HIGH SCHOOL SECOND FLOOR GANG RESTROOMS**  
1/4" = 1'-0"

**1B UNIT L - MIDDLE SCHOOL SECOND FLOOR PLAN RESTROOMS**  
1/4" = 1'-0"

**4A UNIT K - LOCKERROOMS**  
1/4" = 1'-0"

**1A UNIT B - GYM RESTROOMS**  
1/4" = 1'-0"

2-A-401  
 NORTHWESTERN SCHOOL CORPORATION  
 08/29/2023  
 1/4" = 1'-0"

6

5

4

3

2

1

E

D

C

B

A

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

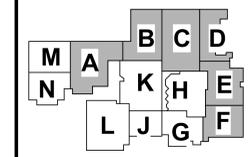
Project No. 2022-086.TGR  
Project Date 08.29.2023  
Produced Designer Author

Sarah K. Hempstead

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#	Revision	Date
A2	Addendum #2	09.19.2023

3431 N 400 W  
Kokomo IN , 46901

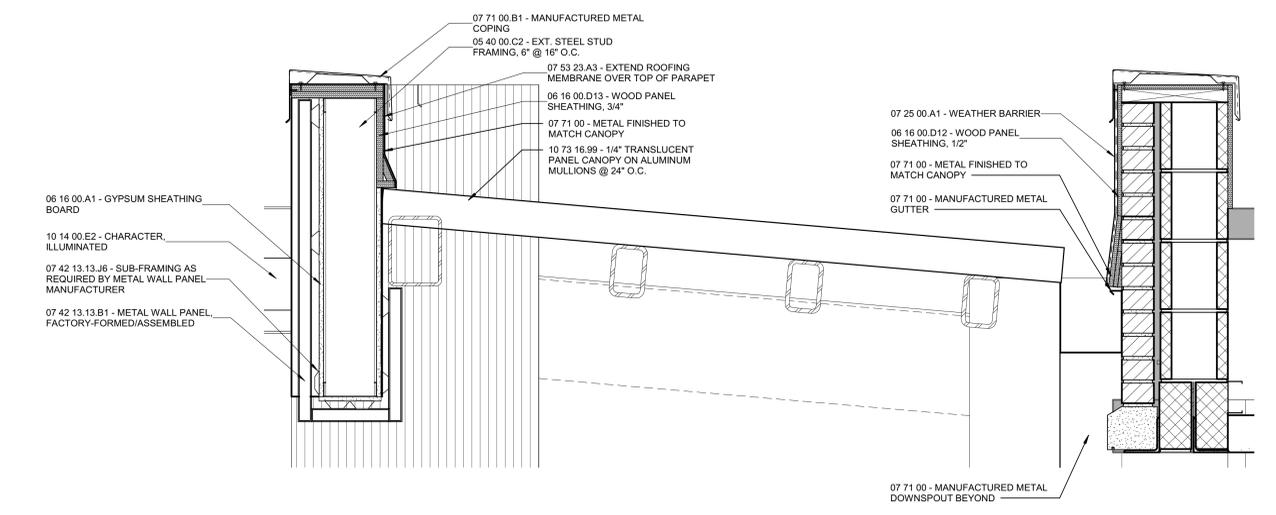


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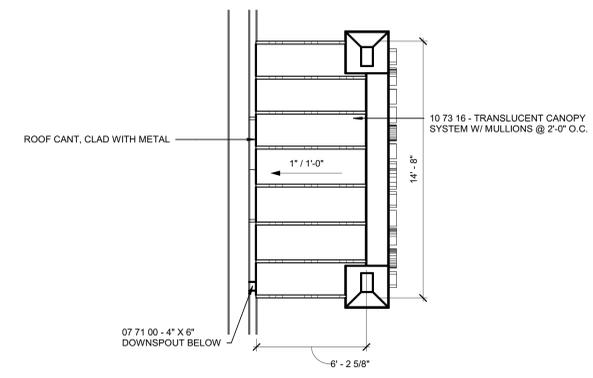
**NORTHWESTERN SCHOOL CORPORATION**

NORTHWESTERN HIGH SCHOOL / MIDDLE SCHOOL

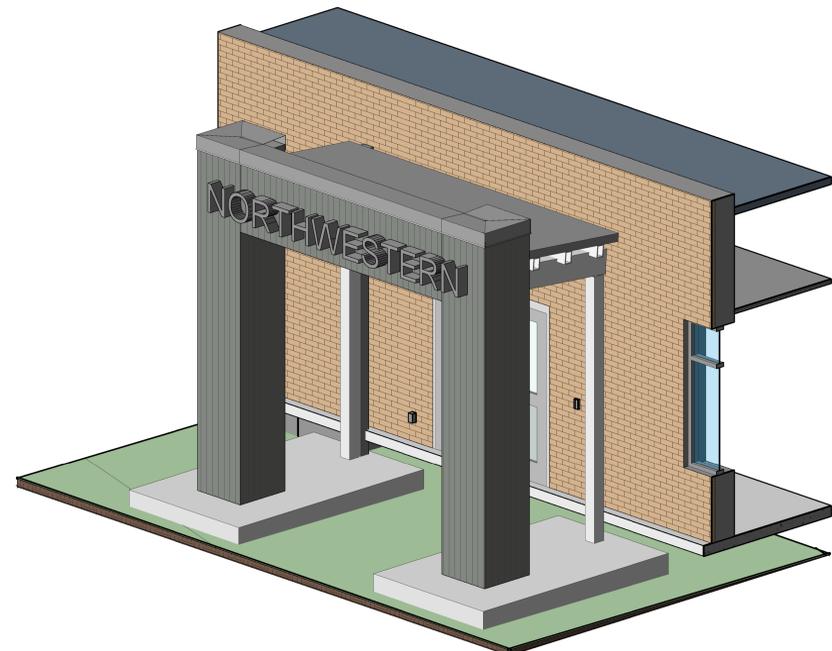
ENLARGED ALTERNATE PLANS  
2-A-404



**3E HIGH SCHOOL NORTH ATHLETIC CANOPY DETAIL - ALTERNATE**  
1 1/2" = 1'-0"



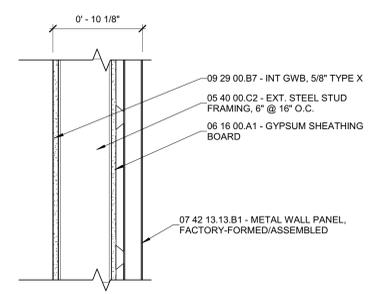
**1E ENLARGED EAST CANOPY ROOF PLAN - ALTERNATE**  
1/4" = 1'-0"



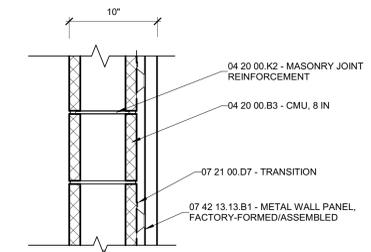
**5C EAST ATHLETIC CANOPY - ALTERNATE**



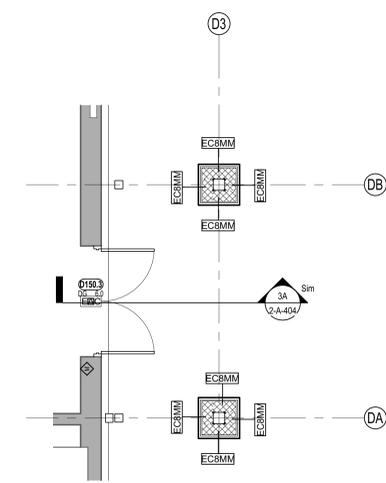
**5A NORTH ATHLETIC CANOPY - ALTERNATE**



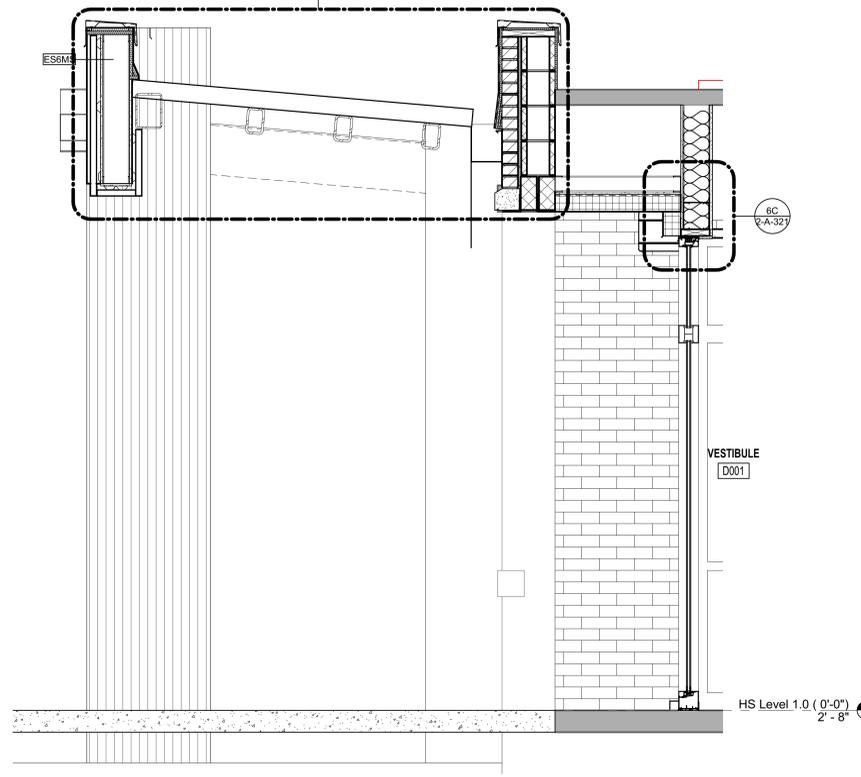
**4C ES6MS WALL TYPE**  
1 1/2" = 1'-0"



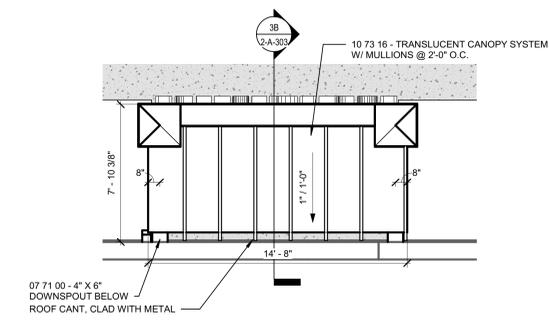
**2C EC8MM WALL TYPE**  
1 1/2" = 1'-0"



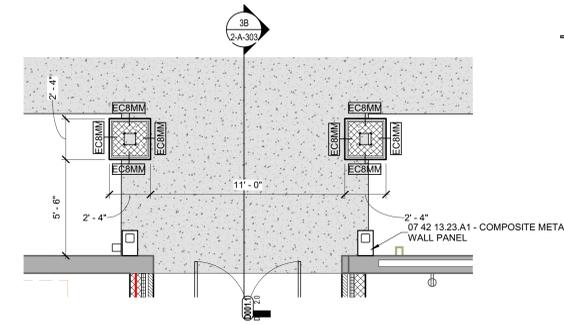
**1C HIGH SCHOOL ATHLETIC EAST CANOPY - ALTERNATE**  
1/4" = 1'-0"



**3A WALL SECTION CANOPY - ALTERNATE**  
3/4" = 1'-0"



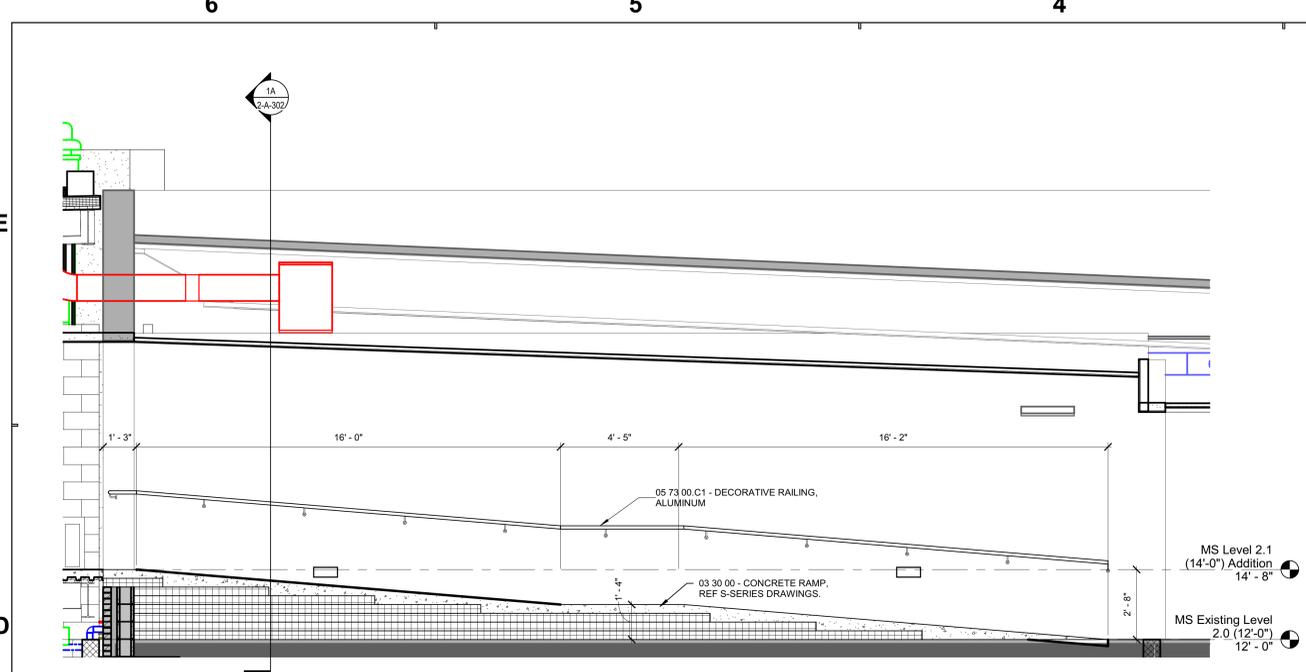
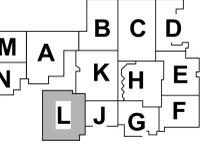
**1B ENLARGED NORTH CANOPY ROOF PLAN - ALTERNATE**  
1/4" = 1'-0"



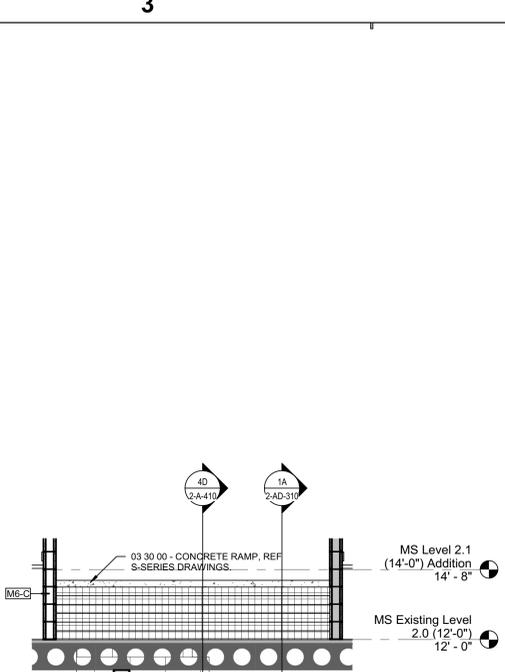
**1A HIGH SCHOOL NORTH ATHLETIC CANOPY - ALTERNATE**  
1/4" = 1'-0"

2-A-404 - NORTHWESTERN SCHOOL CORPORATION ARCHITECTURAL PROJECTS  
 10/15/2023 10:00 AM  
 10/15/2023 10:00 AM  
 10/15/2023 10:00 AM

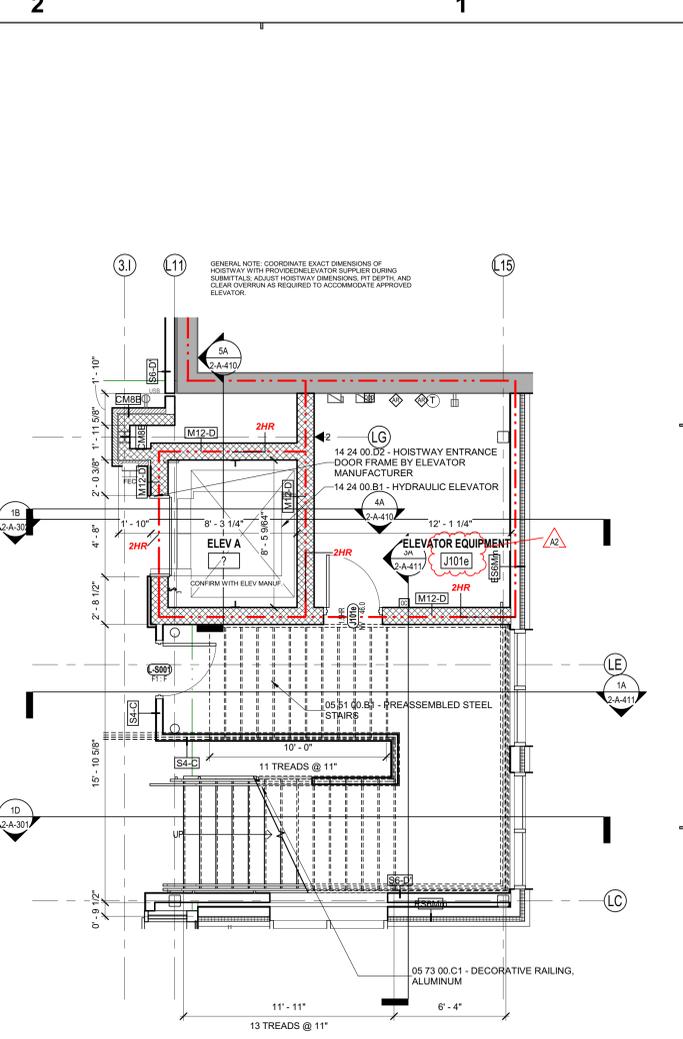
#	Revision	Date
A2	Addendum #2	09.19.2023



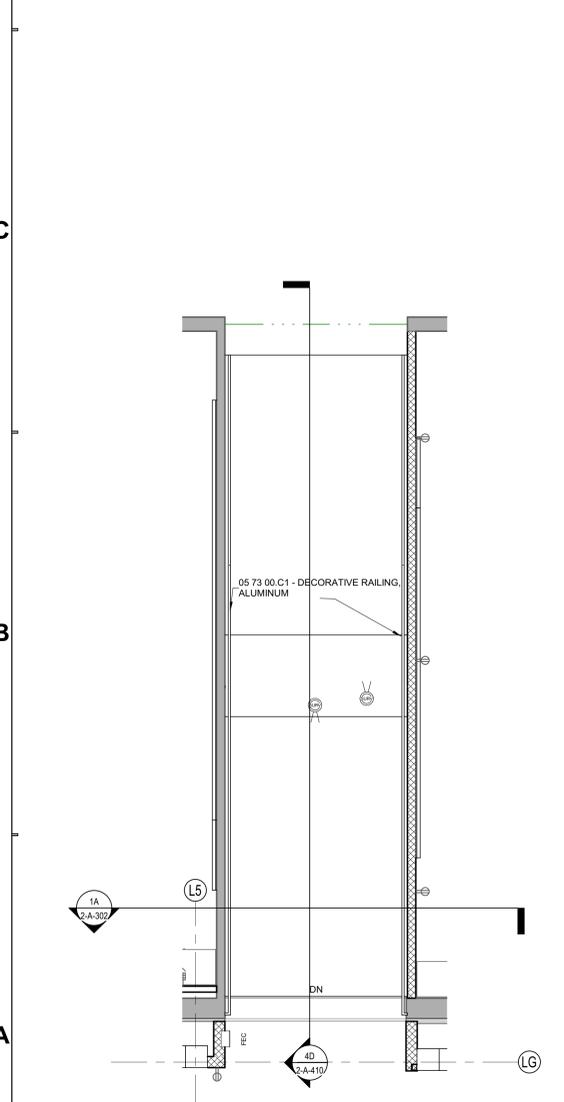
**4D UNIT L - SECOND FLOOR RAMP SECTION**  
3/8" = 1'-0"



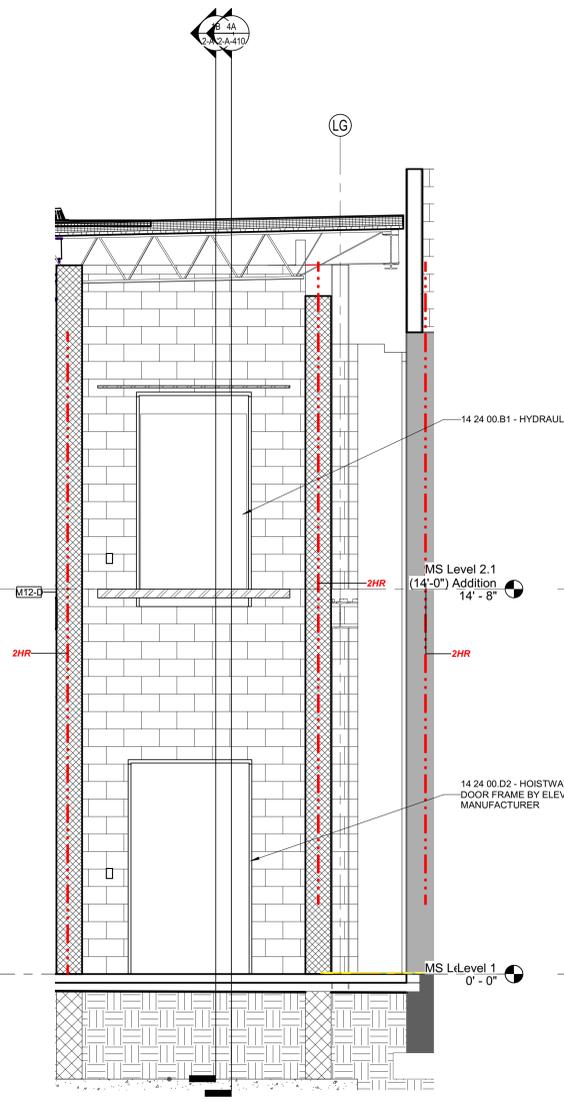
**3D UNIT L - SECOND FLOOR RAMP SECTION**  
3/8" = 1'-0"



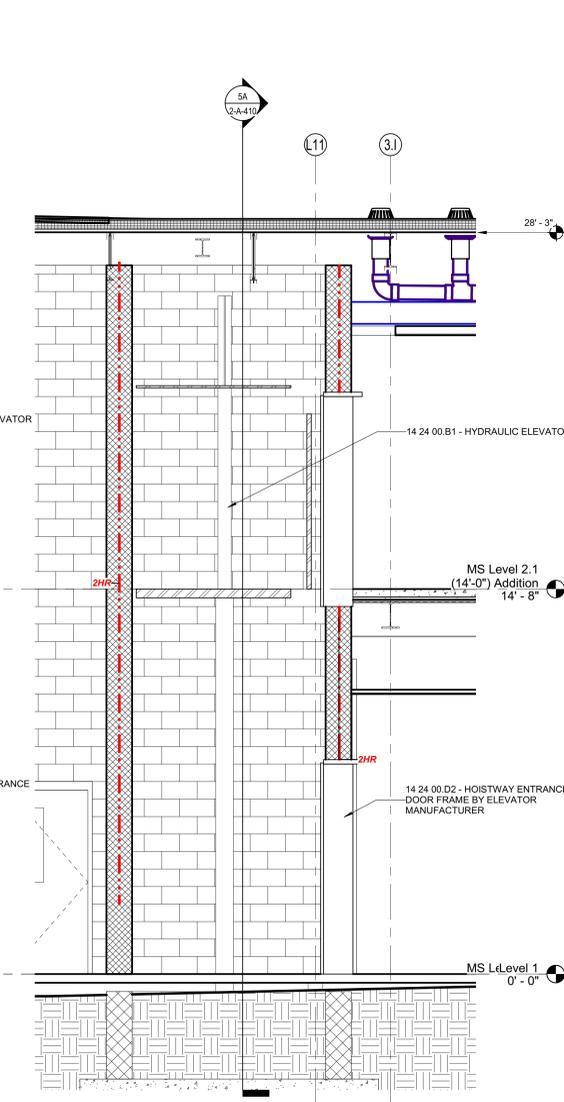
**2C UNIT L - ENLARGED STAIR FIRST FLOOR**  
1/4" = 1'-0"



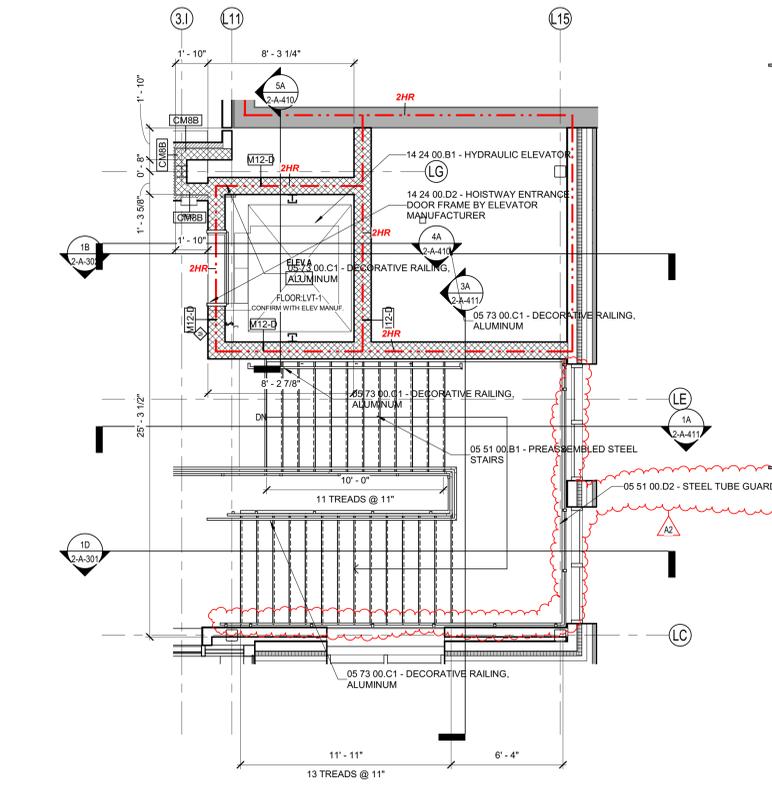
**6A UNIT L - ENLARGED SECOND FLOOR RAMP**  
1/4" = 1'-0"



**5A UNIT L - ELEVATOR SECTION**  
3/8" = 1'-0"



**4A UNIT L - ELEVATOR SECTION**  
3/8" = 1'-0"

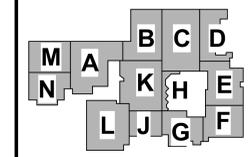


**2A UNIT L - ENLARGED STAIR SECOND FLOOR**  
1/4" = 1'-0"

DATE: 08/29/2023 10:00 AM  
DRAWN BY: SCHMIDT ASSOCIATES  
CHECKED BY: SCHMIDT ASSOCIATES  
PROJECT: NORTHWESTERN SCHOOL CORPORATION / NORTHWESTERN HIGH SCHOOL / MIDDLE SCHOOL  
SHEET: 2-A-410

#	Revision	Date
A2	Addendum #2	09.19.2023

3431 N 400 W  
Kokomo IN, 46901



KEY PLAN

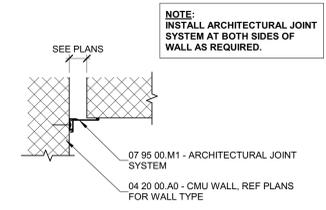
**NORTHWESTERN SCHOOL CORPORATION**



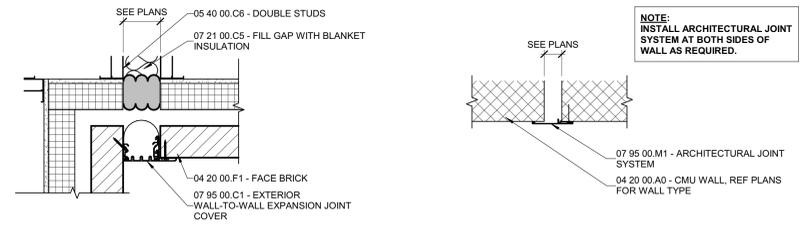
NORTHWESTERN HIGH SCHOOL / MIDDLE SCHOOL

TYPICAL DETAILS

2-A-500

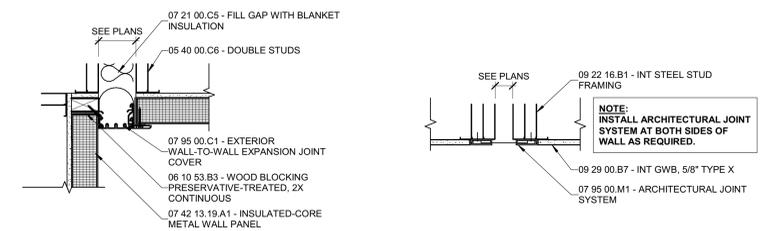


**1E EXPANSION JOINT COVER**  
1 1/2" = 1'-0"



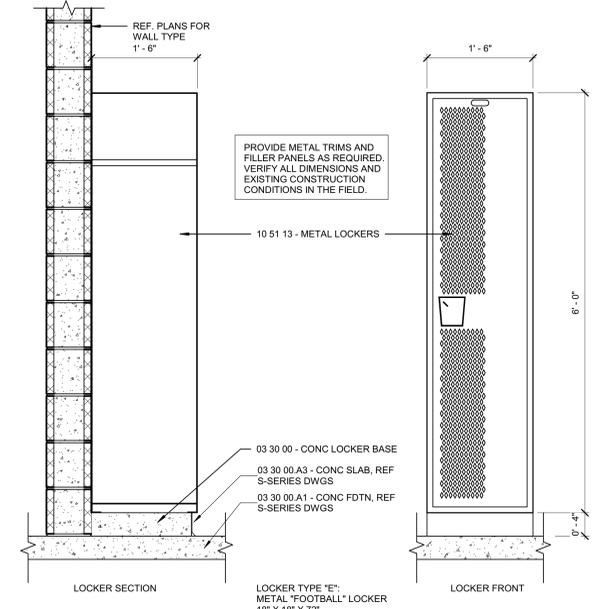
**1D EXPANSION JOINT COVER**  
1 1/2" = 1'-0"

**2D EXTERIOR EXPANSION JOINT**  
1 1/2" = 1'-0"

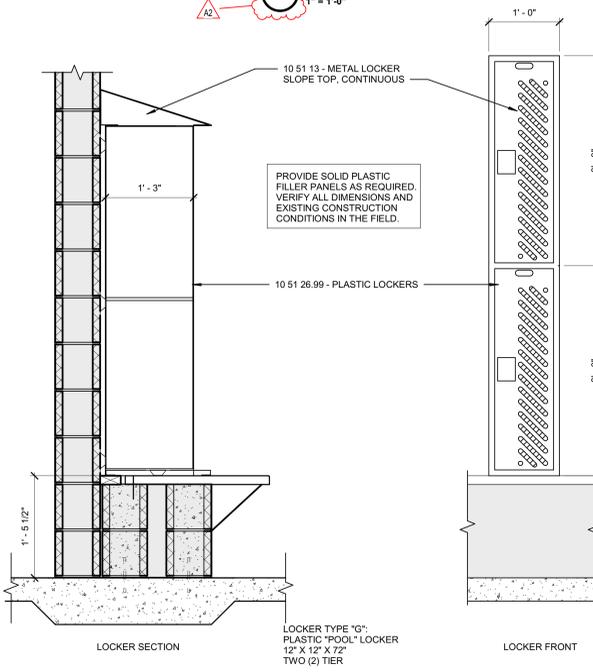


**2C EXTERIOR EXPANSION JOINT**  
1 1/2" = 1'-0"

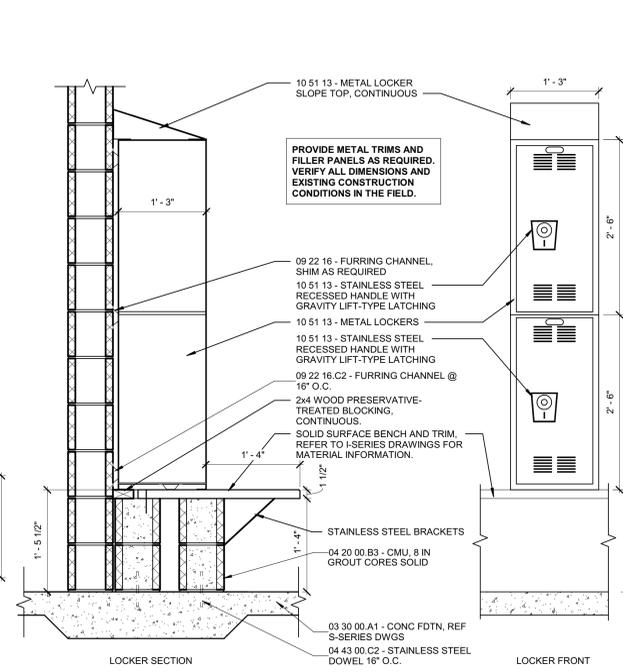
**1C EXPANSION JOINT COVER**  
1 1/2" = 1'-0"



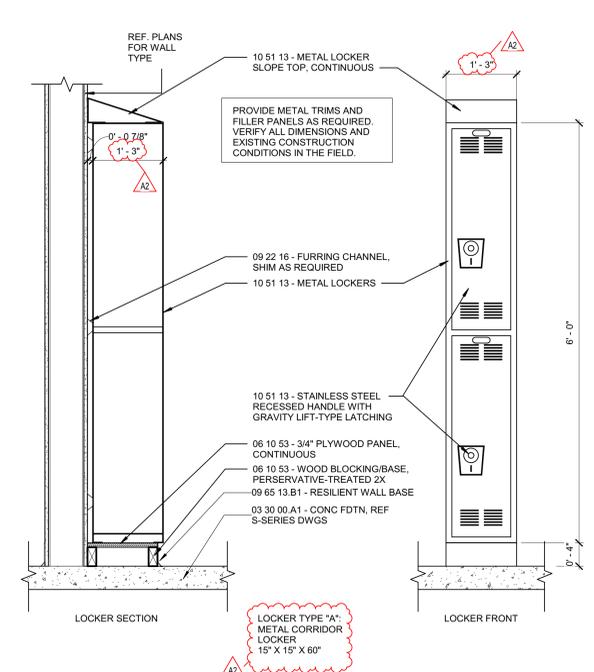
**4B LOCKER TYPE "E"**  
1" = 1'-0"



**4A LOCKER TYPE "G"**  
1" = 1'-0"



**3A LOCKER TYPE "B"**  
1" = 1'-0"



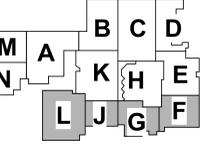
**1A LOCKER TYPE "A"**  
1" = 1'-0"

DATE: 08/29/2023  
DRAWN BY: J. HENNINGSEN  
CHECKED BY: J. HENNINGSEN  
SCALE: AS SHOWN  
PROJECT: 2022-086.TGR



#	Revision	Date
A2	Addendum #2	09.19.2023

3431 N 400 W  
Kokomo IN, 46901



KEY PLAN

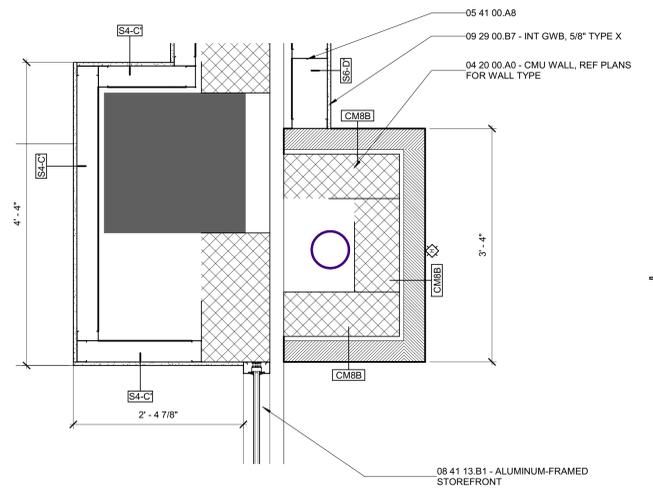
**NORTHWESTERN SCHOOL CORPORATION**



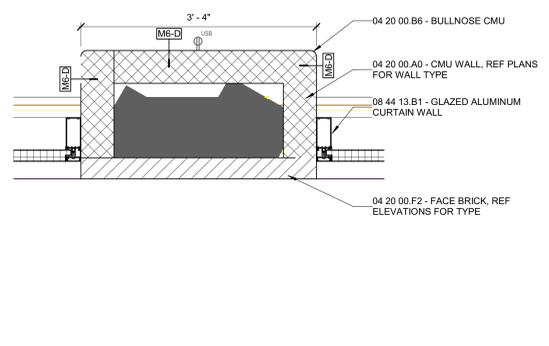
NORTHWESTERN HIGH SCHOOL / MIDDLE SCHOOL

PLAN DETAILS

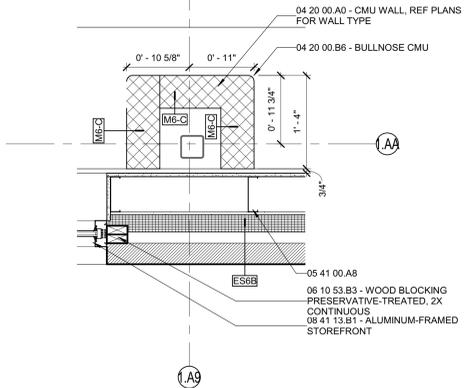
2-A-511



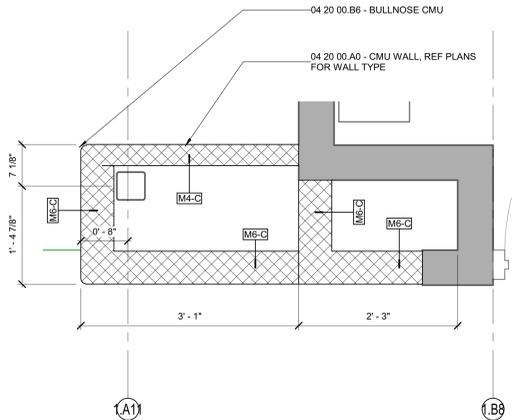
**1D PLAN DETAIL**  
1" = 1'-0"



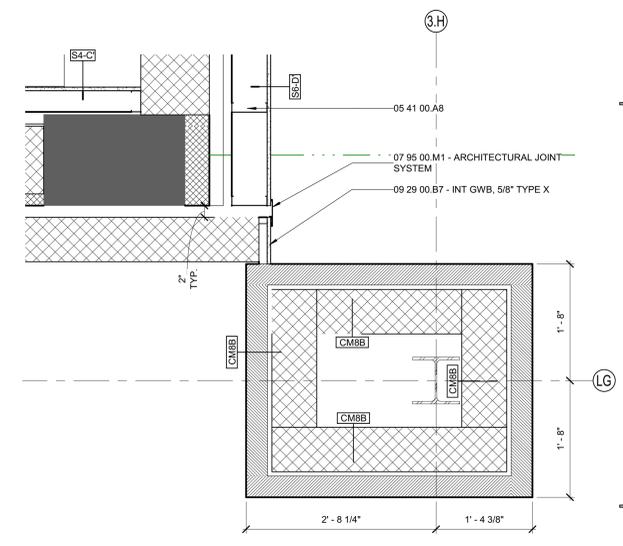
**3D PLAN DETAIL**  
1" = 1'-0"



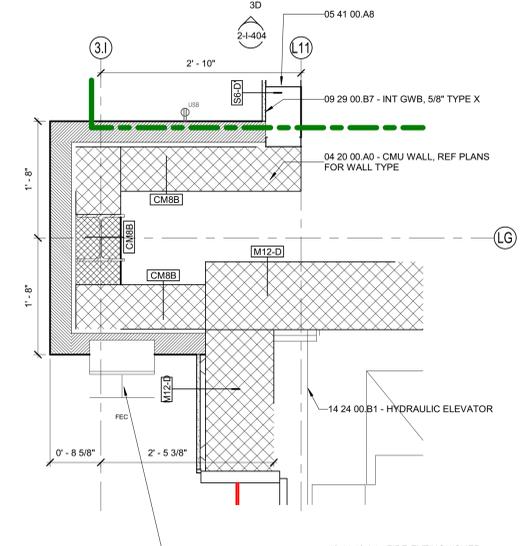
**4D PLAN DETAIL**  
1" = 1'-0"



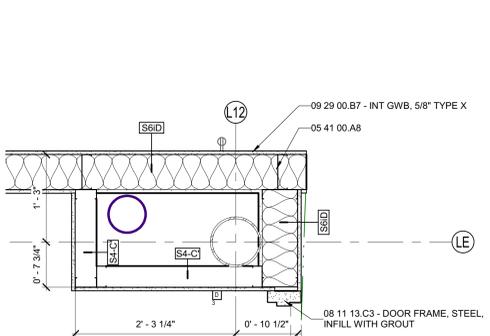
**6D PLAN DETAIL**  
1" = 1'-0"



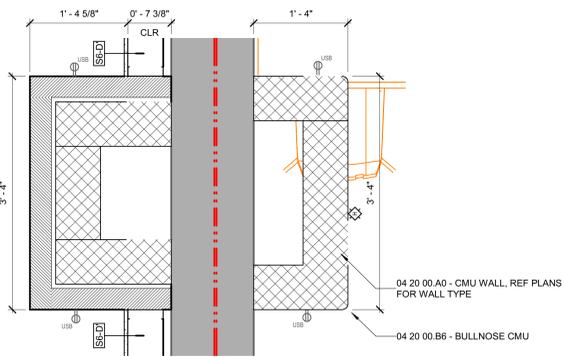
**1C PLAN DETAIL**  
1" = 1'-0"



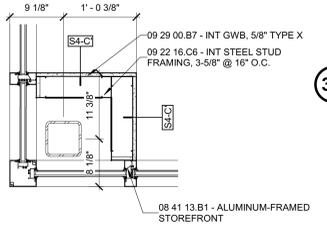
**3C PLAN DETAIL**  
1" = 1'-0"



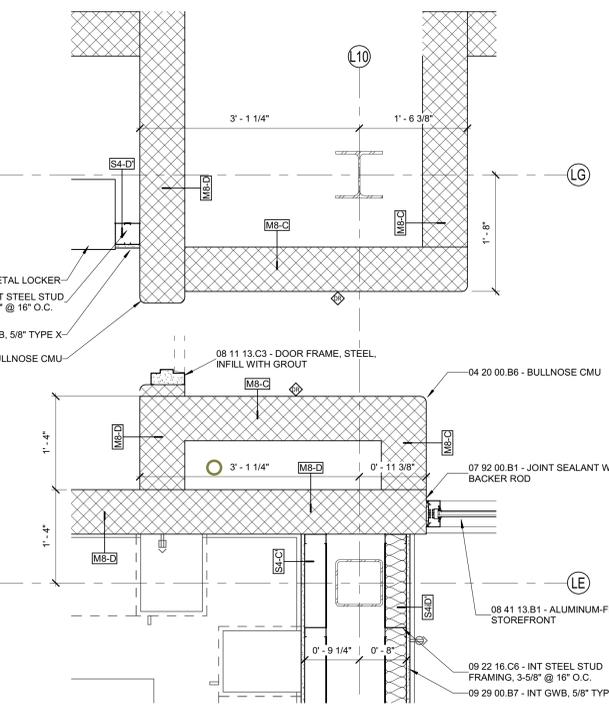
**4C PLAN DETAIL**  
1" = 1'-0"



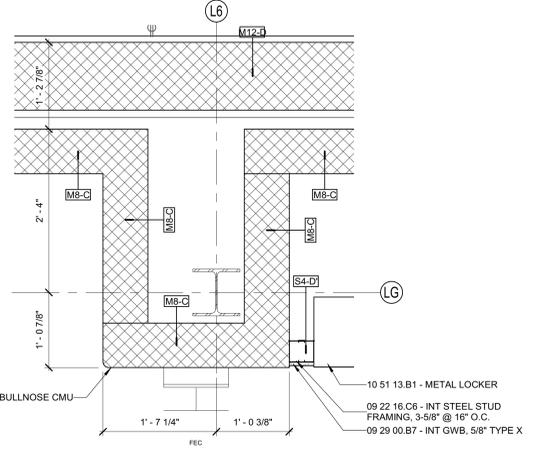
**6C PLAN DETAIL**  
1" = 1'-0"



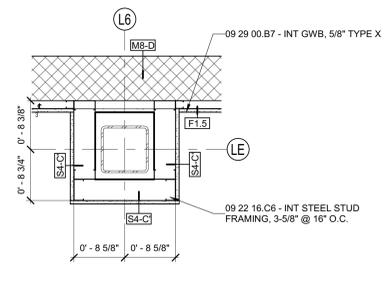
**3C PLAN DETAIL**  
1" = 1'-0"



**6A PLAN DETAIL**  
1" = 1'-0"



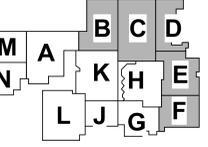
**3A PLAN DETAIL**  
1" = 1'-0"



**4A PLAN DETAIL**  
1" = 1'-0"

#	Revision	Date
A2	Addendum #2	09.19.2023

3431 N 400 W  
Kokomo IN, 46901



KEY PLAN

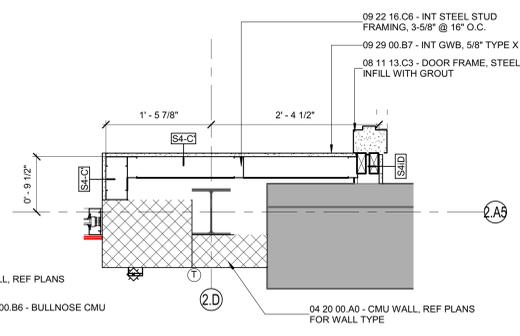
NORTHWESTERN SCHOOL CORPORATION



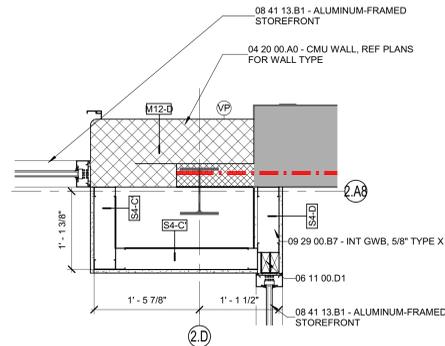
NORTHWESTERN HIGH SCHOOL / MIDDLE SCHOOL

PLAN DETAILS

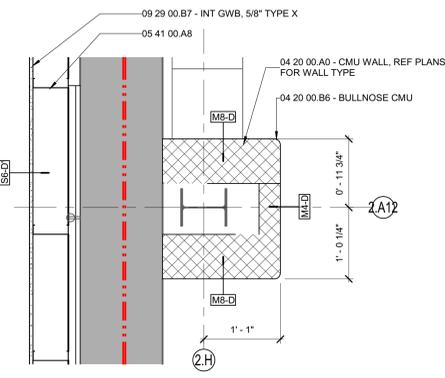
2-A-512



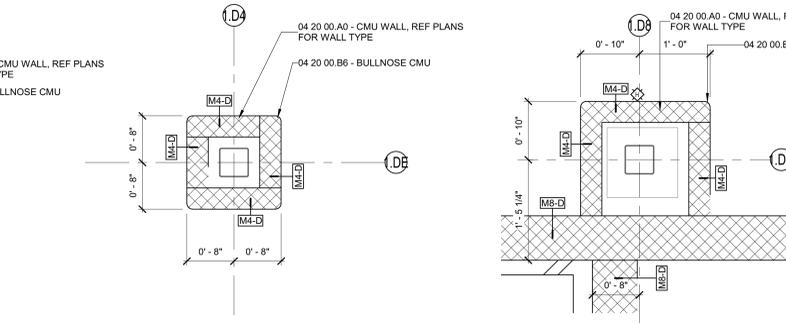
1E PLAN DETAIL  
1" = 1'-0"



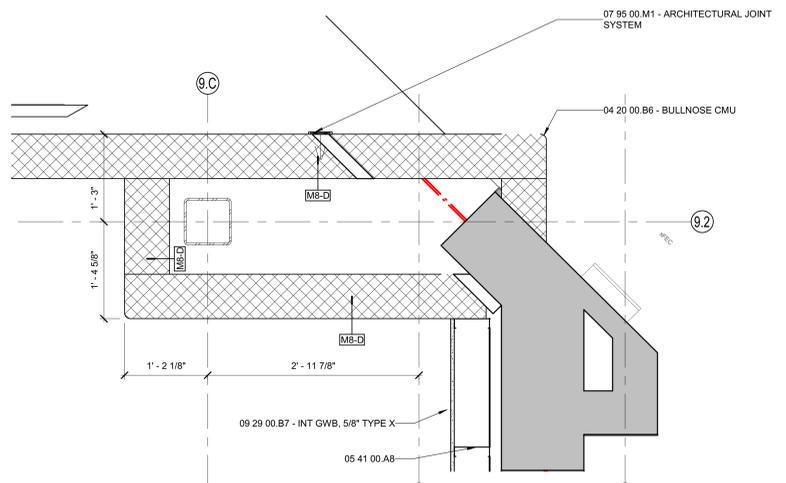
1D PLAN DETAIL  
1" = 1'-0"



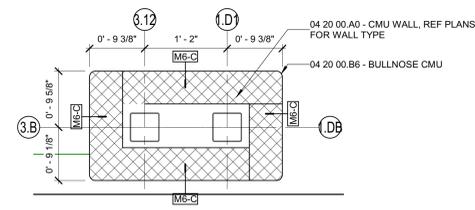
1C PLAN DETAIL  
1" = 1'-0"



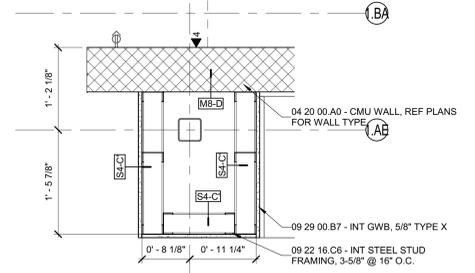
2D PLAN DETAIL  
1" = 1'-0"



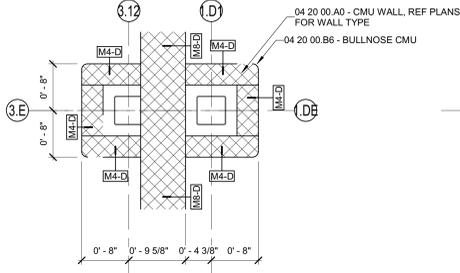
3C PLAN DETAIL  
1" = 1'-0"



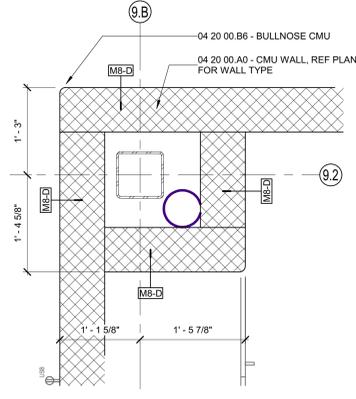
3B PLAN DETAIL  
1" = 1'-0"



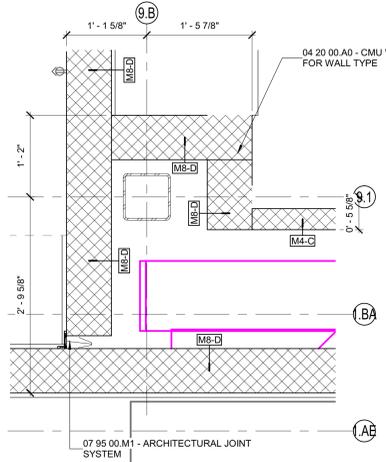
3A PLAN DETAIL  
1" = 1'-0"



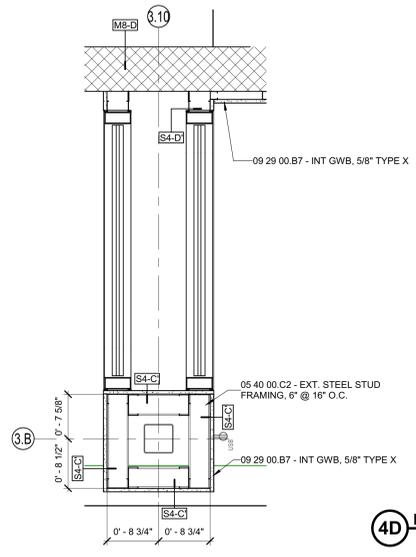
4D PLAN DETAIL  
1" = 1'-0"



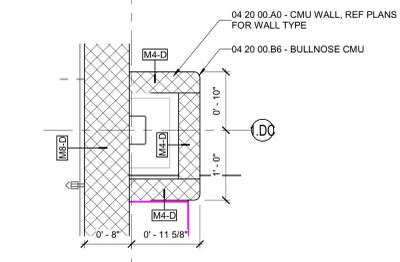
4C PLAN DETAIL  
1" = 1'-0"



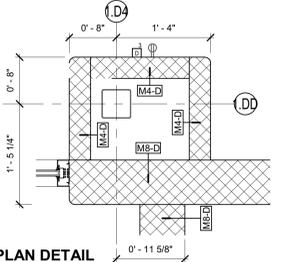
4A PLAN DETAIL  
1" = 1'-0"



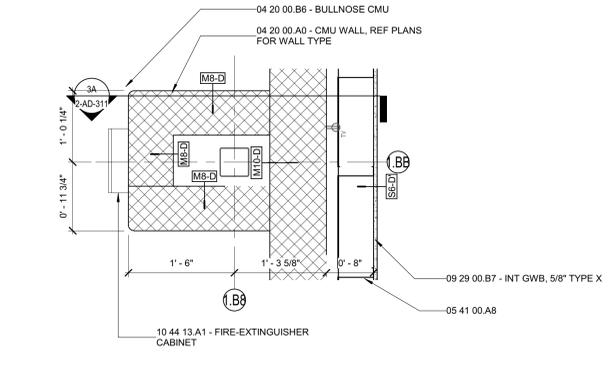
5D PLAN DETAIL  
1" = 1'-0"



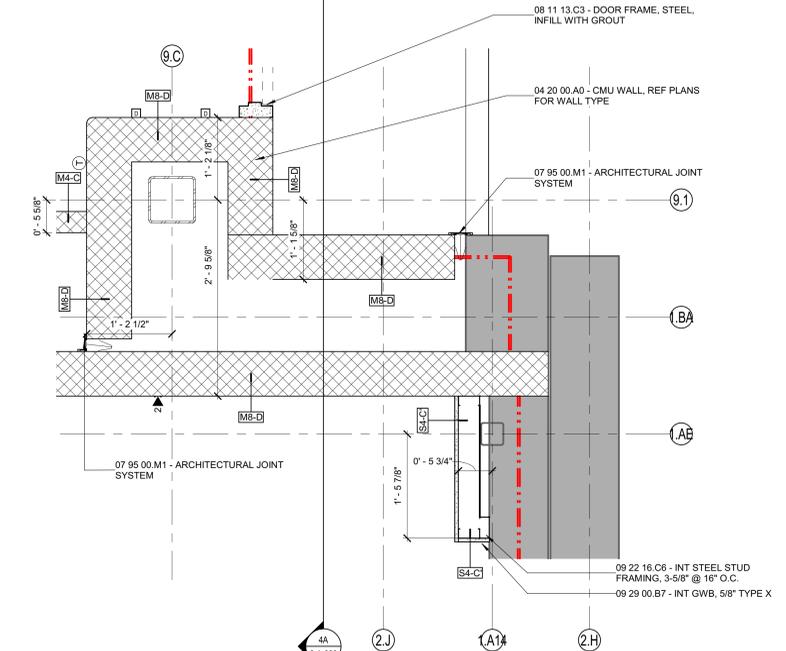
6E PLAN DETAIL  
1" = 1'-0"



6D PLAN DETAIL  
1" = 1'-0"



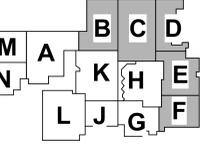
6C PLAN DETAIL  
1" = 1'-0"



6A PLAN DETAIL  
1" = 1'-0"

#	Revision	Date
A2	Addendum #2	09.19.2023

3431 N 400 W  
Kokomo IN, 46901



KEY PLAN

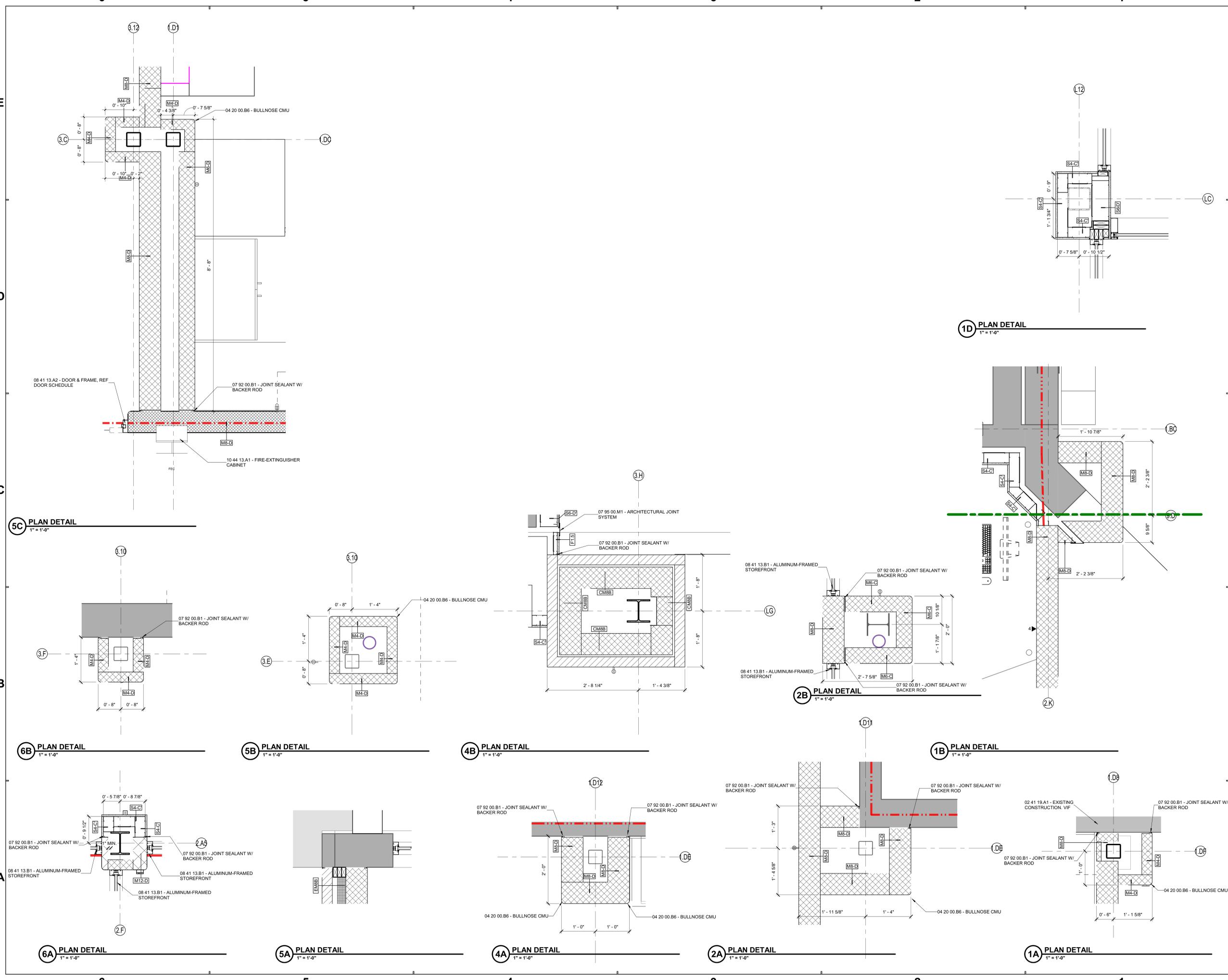
NORTHWESTERN SCHOOL CORPORATION



NORTHWESTERN HIGH SCHOOL / MIDDLE SCHOOL

PLAN DETAILS

2-A-513



DATE: 09/19/2023  
DRAWN BY: SCHMIDT ASSOCIATES ARCHITECTS  
CHECKED BY: SCHMIDT ASSOCIATES ARCHITECTS  
PROJECT: 2022-086.TGR



Table with columns: MARK, TYPE, QTY, MATL, GLAZ, SIZE (H, W, TH), FRAME (MARK, MATL, GLAZ, LABEL), HDWR SET, NOTES, MARK. Contains door and frame schedule data for items L110.1 through L224.

Table with columns: MARK, TYPE, QTY, MATL, GLAZ, SIZE (H, W, TH), FRAME (MARK, MATL, GLAZ, LABEL), HDWR SET, NOTES, MARK. Contains door and frame schedule data for items A116.1 through L109.2.

GENERAL NOTES

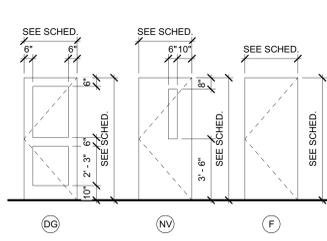
- A. This Door Schedule(s) is furnished for whatever assistance it may afford the Contractor. Do not consider it as entirely inclusive. Carefully examine the Drawings (especially the Floor Plans) and the Specifications to determine the extent of door and frame quantities required (including interior borrowed leaf or sidelite openings). Should any particular door, frame, or interior borrowed leaf or sidelite shown on the Drawings be inadvertently omitted from this Schedule, supply same as required for similar openings.
B. The "QTY" column designates the number of leaves in the opening. The "Door Width" column designates the total width of all leaves. In multiple leaf conditions, the leaves shall equally divide the "Door Width" unless noted otherwise; however, the active leaf shall not be less than 3'-0" wide.
C. Door Type "X" denotes a frame with no door such as a borrowed leaf, reference Frame Elevations.
D. An asterisk (\*) in a dimension denotes a width that varies, reference plans, elevations, details and schedules.
E. Verify locksets with the Owner during submittals.

ABBREVIATIONS

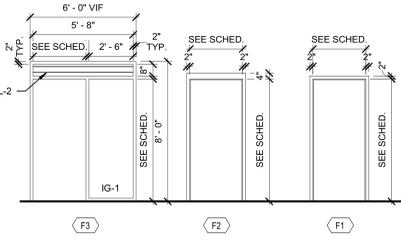
- AL Aluminum
HM Hollow Metal
ST Steel
WD Wood
TG Tempered Glazing
IG Insulated Glazing
LGLaminated Glazing
FGFrosted Glazing
SPSpandrel Panel

DOOR & FRAME SCHEDULE NOTES

- 1. Existing door and frame to remain. New hardware only. Field verify all existing door and frame information as required for installation of new hardware.
2. New door/frame in existing masonry wall. Trench in new masonry into existing as required.
3. Set door in frame to allow for 180° door swing.
4. Provide electric door and provide card reader.



5.4.602 - DOOR PANEL ELEVATIONS
1/4" = 1'-0"



5.4.603 - FRAME ELEVATIONS-2
1/4" = 1'-0"

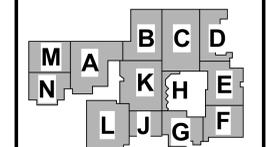


Project No. 2022-086.TGR
Project Date 08.29.2023
Produced TE MP



Table with columns: #, Revision, Date. Shows Addendum #1 (09.15.2023) and Addendum #2 (09.19.2023).

3431 N 400 W
Kokomo IN, 46901



KEY PLAN

NORTHWESTERN SCHOOL CORPORATION



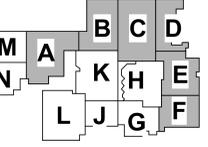
NORTHWESTERN HIGH SCHOOL / MIDDLE SCHOOL

DOOR & FRAME SCHEDULE

2-A-600

#	Revision	Date
A2	Addendum #2	09.19.2023

3431 N 400 W  
Kokomo IN, 46901



KEY PLAN

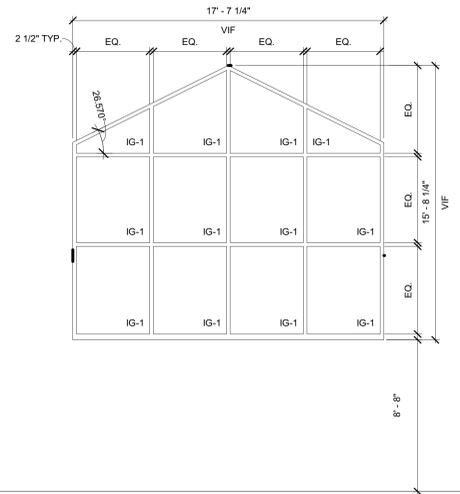
NORTHWESTERN SCHOOL CORPORATION



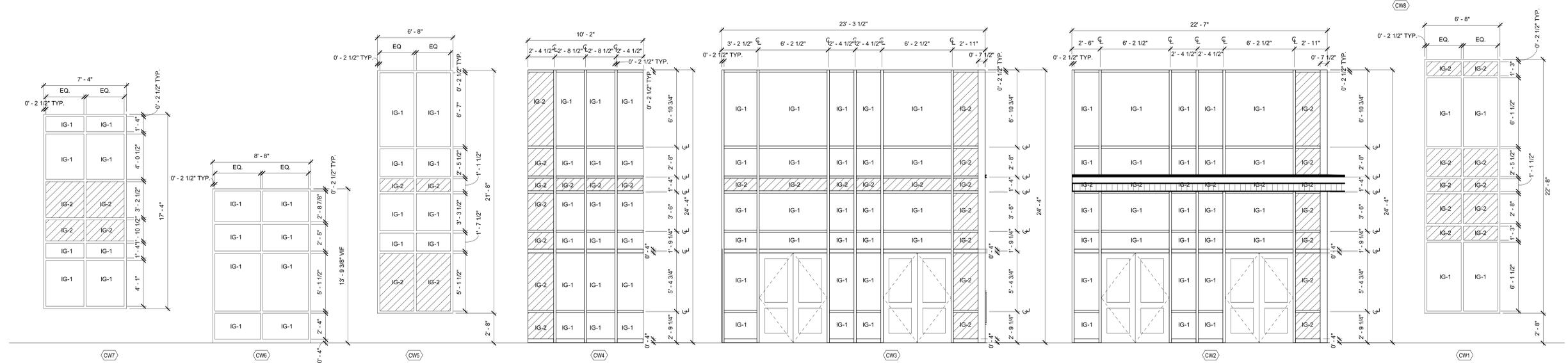
NORTHWESTERN HIGH SCHOOL / MIDDLE SCHOOL

FRAME ELEVATIONS

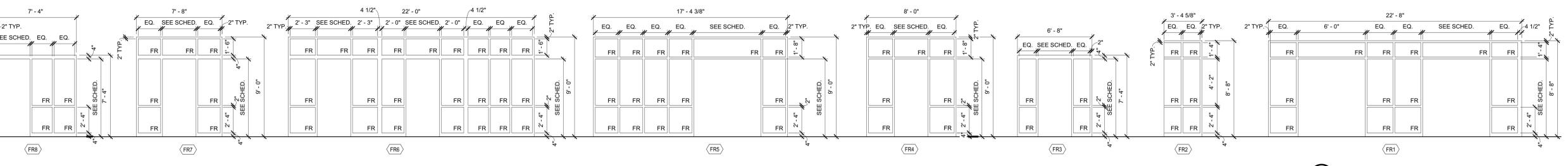
2-A-602



**5.4.603 - LOUVER ELEVATION**  
1/4" = 1'-0"

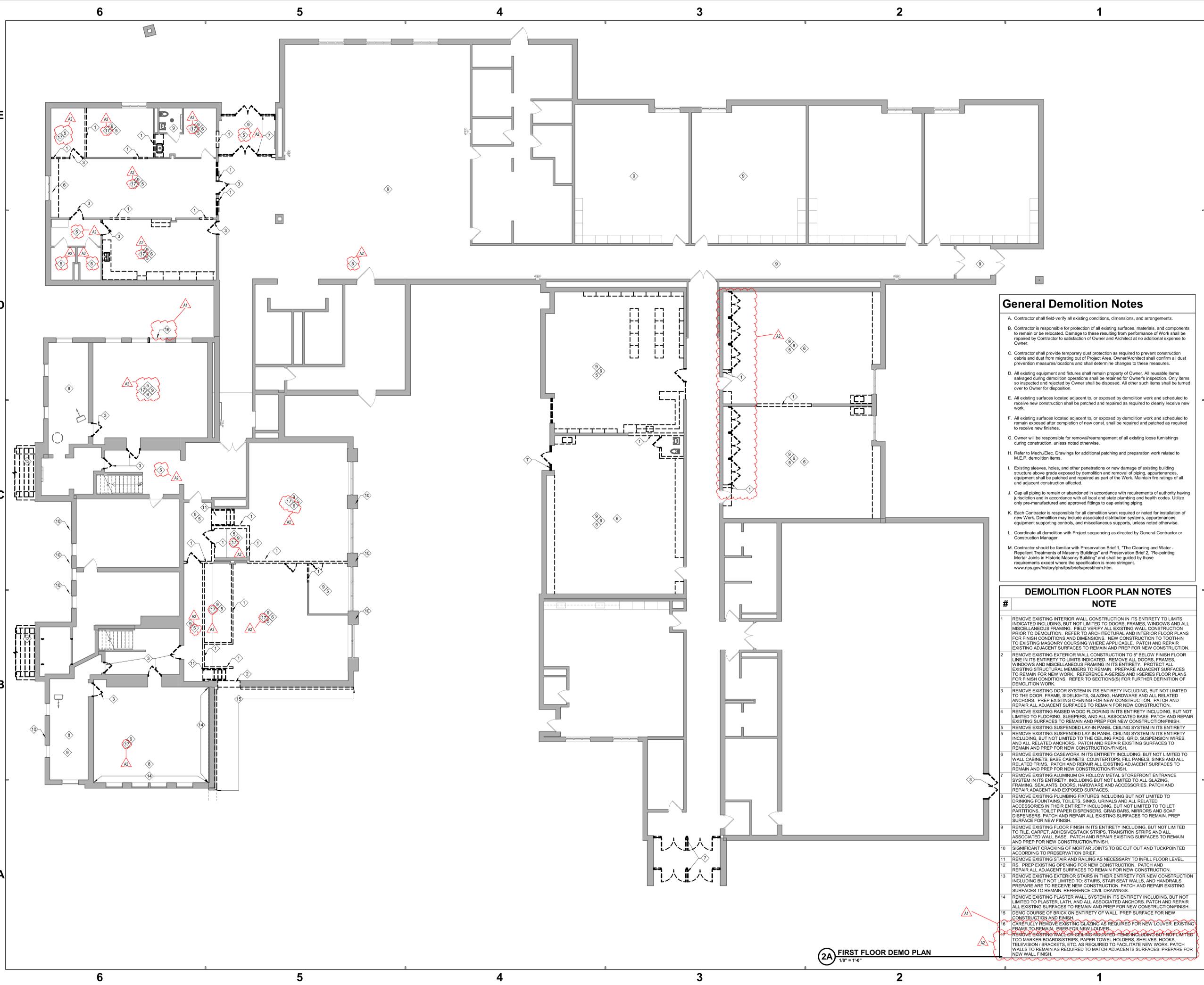


**5.4.603 - CURTAIN WALL ELEVATIONS**  
1/4" = 1'-0"  
10 1/2" DEEP CURTAINWALL FRAME



**5.4.603 - FIRE RATED FRAME ELEVATIONS**  
1/4" = 1'-0"

2-A-602 - NORTHWESTERN SCHOOL CORPORATION / NORTHWESTERN HIGH SCHOOL / MIDDLE SCHOOL  
DATE: 08.29.2023  
DRAWN BY: [Name]  
CHECKED BY: [Name]  
SCALE: 1/4" = 1'-0"



**2A FIRST FLOOR DEMO PLAN**  
1/8" = 1'-0"

**General Demolition Notes**

- A. Contractor shall field-verify all existing conditions, dimensions, and arrangements.
- B. Contractor is responsible for protection of all existing surfaces, materials, and components to remain or be relocated. Damage to these resulting from performance of Work shall be repaired by Contractor to satisfaction of Owner and Architect at no additional expense to Owner.
- C. Contractor shall provide temporary dust protection as required to prevent construction debris and dust from migrating out of Project Area. Owner/Architect shall confirm all dust prevention measures/locations and shall determine changes to these measures.
- D. All existing equipment and fixtures shall remain property of Owner. All reusable items salvaged during demolition operations shall be retained for Owner's inspection. Only items so inspected and rejected by Owner shall be disposed. All other such items shall be turned over to Owner for disposition.
- E. All existing surfaces located adjacent to, or exposed by demolition work and scheduled to receive new construction shall be patched and repaired as required to cleanly receive new work.
- F. All existing surfaces located adjacent to, or exposed by demolition work and scheduled to remain exposed after completion of new const. shall be repaired and patched as required to receive new finishes.
- G. Owner will be responsible for removal/rearrangement of all existing loose furnishings during construction, unless noted otherwise.
- H. Refer to Mech./Elec. Drawings for additional patching and preparation work related to M.E.P. demolition items.
- I. Existing sleeves, holes, and other penetrations or new damage of existing building structure above grade exposed by demolition and removal of piping, apparatuses, equipment shall be patched and repaired as part of the Work. Maintain fire ratings of all and adjacent construction affected.
- J. Cap all piping to remain or abandoned in accordance with requirements of authority having jurisdiction and in accordance with all local and state plumbing and health codes. Utilize only pre-manufactured and approved fittings to cap existing piping.
- K. Each Contractor is responsible for all demolition work required or noted for installation of new Work. Demolition may include associated distribution systems, apparatuses, equipment supporting controls, and miscellaneous supports, unless noted otherwise.
- L. Coordinate all demolition with Project sequencing as directed by General Contractor or Construction Manager.
- M. Contractor should be familiar with Preservation Brief 1, "The Cleaning and Water-Repellent Treatments of Masonry Buildings" and Preservation Brief 2, "Re-pointing Mortar Joints in Historic Masonry Buildings" and shall be guided by those requirements except where the specification is more stringent.  
[www.nps.gov/history/psh/ps/briefs/presbhom.htm](http://www.nps.gov/history/psh/ps/briefs/presbhom.htm)

**DEMOLITION FLOOR PLAN NOTES**

#	NOTE
1	REMOVE EXISTING INTERIOR WALL CONSTRUCTION IN ITS ENTIRETY TO LIMITS INDICATED INCLUDING, BUT NOT LIMITED TO DOORS, FRAMES, WINDOWS AND ALL MISCELLANEOUS FRAMING. FIELD VERIFY ALL EXISTING WALL CONSTRUCTION PRIOR TO DEMOLITION. REFER TO ARCHITECTURAL AND INTERIOR FLOOR PLANS FOR FINISH CONDITIONS AND DIMENSIONS. NEW CONSTRUCTION TO TOOTH-IN TO EXISTING MASONRY COURSING WHERE APPLICABLE. PATCH AND REPAIR EXISTING ADJACENT SURFACES TO REMAIN AND PREP FOR NEW CONSTRUCTION.
2	REMOVE EXISTING EXTERIOR WALL CONSTRUCTION TO 8" BELOW FINISH FLOOR LINE IN ITS ENTIRETY TO LIMITS INDICATED. REMOVE ALL DOORS, FRAMES, WINDOWS AND MISCELLANEOUS FRAMING IN ITS ENTIRETY. PROTECT ALL EXISTING STRUCTURAL MEMBERS TO REMAIN. PREPARE ADJACENT SURFACES TO REMAIN FOR NEW WORK. REFERENCE A-SERIES AND I-SERIES FLOOR PLANS FOR FINISH CONDITIONS. REFER TO SECTION(S) FOR FURTHER DEFINITION OF DEMOLITION WORK.
3	REMOVE EXISTING DOOR SYSTEM IN ITS ENTIRETY INCLUDING, BUT NOT LIMITED TO THE DOOR, FRAME, SIDELIGHTS, GLAZING, HARDWARE AND ALL RELATED ANCHORS. PREP EXISTING OPENING FOR NEW CONSTRUCTION. PATCH AND REPAIR ALL ADJACENT SURFACES TO REMAIN FOR NEW CONSTRUCTION.
4	REMOVE EXISTING RAISED WOOD FLOORING IN ITS ENTIRETY INCLUDING, BUT NOT LIMITED TO FLOORING, SLEEPERS, AND ALL ASSOCIATED BASE. PATCH AND REPAIR EXISTING SURFACES TO REMAIN AND PREP FOR NEW CONSTRUCTION/FINISH.
5	REMOVE EXISTING SUSPENDED LAY-IN PANEL CEILING SYSTEM IN ITS ENTIRETY.
6	REMOVE EXISTING CASEWORK IN ITS ENTIRETY INCLUDING, BUT NOT LIMITED TO WALL CABINETS, BASE CABINETS, COUNTERTOPS, FULL PANELS, SINKS AND ALL RELATED TRIMS. PATCH AND REPAIR ALL EXISTING ADJACENT SURFACES TO REMAIN AND PREP FOR NEW CONSTRUCTION/FINISH.
7	REMOVE EXISTING ALUMINUM OR HOLLOW METAL STOREFRONT ENTRANCE SYSTEM IN ITS ENTIRETY INCLUDING BUT NOT LIMITED TO ALL GLAZING, FRAMING, SEALANTS, DOORS, HARDWARE AND ACCESSORIES. PATCH AND REPAIR ADJACENT AND EXPOSED SURFACES.
8	REMOVE EXISTING PLUMBING FIXTURES INCLUDING BUT NOT LIMITED TO DRINKING FOUNTAINS, TOILETS, SINKS, URINALS AND ALL RELATED ACCESSORIES IN THEIR ENTIRETY INCLUDING, BUT NOT LIMITED TO TOILET PARTITIONS, TOILET PAPER DISPENSERS, GRAB BARS, MIRRORS AND SOAP DISPENSERS. PATCH AND REPAIR ALL EXISTING SURFACES TO REMAIN. PREP SURFACE FOR NEW FINISH.
9	REMOVE EXISTING FLOOR FINISH IN ITS ENTIRETY INCLUDING, BUT NOT LIMITED TO TILE, CARPET, ADHESIVE/TACK STRIPS, TRANSITION STRIPS AND ALL ASSOCIATED WALL BASE. PATCH AND REPAIR EXISTING SURFACES TO REMAIN AND PREP FOR NEW CONSTRUCTION/FINISH.
10	SIGNIFICANT CRACKING OF MORTAR JOINTS TO BE CUT OUT AND TUCKPOINTED ACCORDING TO PRESERVATION BRIEF.
11	REMOVE EXISTING STAIR AND RAILING AS NECESSARY TO INFILL FLOOR LEVEL.
12	RS. PREP EXISTING OPENING FOR NEW CONSTRUCTION. PATCH AND REPAIR ALL ADJACENT SURFACES TO REMAIN FOR NEW CONSTRUCTION.
13	REMOVE EXISTING EXTERIOR STAIRS IN THEIR ENTIRETY FOR NEW CONSTRUCTION INCLUDING BUT NOT LIMITED TO STAIRS, STAIR SEAT WALLS, AND HANDRAILS. PREPARE ARE TO RECEIVE NEW CONSTRUCTION. PATCH AND REPAIR EXISTING SURFACES TO REMAIN. REFERENCE CIVIL DRAWINGS.
14	REMOVE EXISTING PLASTER WALL SYSTEM IN ITS ENTIRETY INCLUDING, BUT NOT LIMITED TO PLASTER, LATH, AND ALL ASSOCIATED ANCHORS. PATCH AND REPAIR ALL EXISTING SURFACES TO REMAIN AND PREP FOR NEW CONSTRUCTION/FINISH.
15	DEMO COURSE OF BRICK ON ENTIRETY OF WALL. PREP SURFACE FOR NEW CONSTRUCTION AND FINISH.
16	CAREFULLY REMOVE EXISTING GLAZING AS REQUIRED FOR NEW LOUVER. EXISTING FRAME TO REMAIN. PREP FOR NEW LOUVER.
17	REMOVE EXISTING WALL OR CEILING MOUNTED ITEMS INCLUDING BUT NOT LIMITED TO MARKER BOARDS/STRIPS, PAPER TOWEL HOLDERS, SHELVES, HOOKS, TELEVISION BRACKETS, ETC. AS REQUIRED TO FACILITATE NEW WORK. PATCH WALLS TO REMAIN AS REQUIRED TO MATCH ADJACENT SURFACES. PREPARE FOR NEW WALL FINISH.

**SCHMIDT ASSOCIATES**  
415 Massachusetts Avenue  
Indianapolis, IN 46204  
[www.schmidt-arch.com](http://www.schmidt-arch.com)

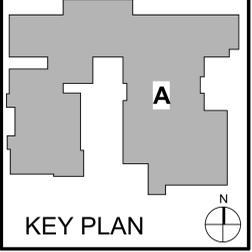
Project No. 2022-086.TGR  
Project Date 08.29.2023  
Produced TE MP

Sarah K. Hempstead

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#	Revision	Date
A1	Addendum #1	09.15.2023
A2	Addendum #2	09.19.2023

3526 N 300 E  
Kokomo, IN 46901



**NORTHWESTERN SCHOOL CORPORATION**

**HOWARD ELEMENTARY SCHOOL**

**FIRST FLOOR DEMO PLAN**

**3-AD1A1**

1. DATE: 08/29/2023  
 2. DRAWN BY: J. HENNINGSEN  
 3. CHECKED BY: J. HENNINGSEN  
 4. PROJECT NO.: 2022-086.TGR  
 5. SHEET NO.: 3-AD1A1  
 6. SCALE: 1/8" = 1'-0"

6

5

4

3

2

1

DEMOLITION FLOOR PLAN NOTES	
#	NOTE
1	REMOVE EXISTING INTERIOR WALL CONSTRUCTION IN ITS ENTIRETY TO LIMITS INDICATED INCLUDING, BUT NOT LIMITED TO DOORS, FRAMES, WINDOWS AND ALL MISCELLANEOUS FRAMING. FIELD VERIFY ALL EXISTING WALL CONSTRUCTION PRIOR TO DEMOLITION. REFER TO ARCHITECTURAL AND INTERIOR FLOOR PLANS FOR FINISH CONDITIONS AND DIMENSIONS. NEW CONSTRUCTION TO TOOTH-IN TO EXISTING MASONRY COURSING WHERE APPLICABLE. PATCH AND REPAIR EXISTING ADJACENT SURFACES TO REMAIN AND PREP FOR NEW CONSTRUCTION.
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5	REMOVE EXISTING SUSPENDED LAY-IN PANEL CEILING SYSTEM IN ITS ENTIRETY INCLUDING, BUT NOT LIMITED TO THE CEILING PADS, GRID, SUSPENSION WIRES, AND ALL RELATED ANCHORS. PATCH AND REPAIR EXISTING SURFACES TO REMAIN AND PREP FOR NEW CONSTRUCTION/FINISH.
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11	REMOVE EXISTING STAIR AND RAILING AS NECESSARY TO INFILL FLOOR LEVEL.
12	RS. PREP EXISTING OPENING FOR NEW CONSTRUCTION. PATCH AND REPAIR ALL ADJACENT SURFACES TO REMAIN FOR NEW CONSTRUCTION.
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15	DEMO COURSE OF BRICK ON ENTIRETY OF WALL. PREP SURFACE FOR NEW CONSTRUCTION AND FINISH.
16	CAREFULLY REMOVE EXISTING GLAZING AS REQUIRED FOR NEW LOUVER. EXISTING FRAME TO REMAIN. PREP FOR NEW LOUVER.
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**General Demolition Notes**

A. Contractor shall field-verify all existing conditions, dimensions, and arrangements.

B. Contractor is responsible for protection of all existing surfaces, materials, and components to remain or be relocated. Damage to these resulting from performance of Work shall be repaired by Contractor to satisfaction of Owner and Architect at no additional expense to Owner.

C. Contractor shall provide temporary dust protection as required to prevent construction debris and dust from migrating out of Project Area. Owner/Architect shall confirm all dust prevention measures/locations and shall determine changes to these measures.

D. All existing equipment and fixtures shall remain property of Owner. All reusable items salvaged during demolition operations shall be retained for Owner's inspection. Only items so inspected and rejected by Owner shall be disposed. All other such items shall be turned over to Owner for disposition.

E. All existing surfaces located adjacent to, or exposed by demolition work and scheduled to receive new construction shall be patched and repaired as required to cleanly receive new work.

F. All existing surfaces located adjacent to, or exposed by demolition work and scheduled to remain exposed after completion of new const. shall be repaired and patched as required to receive new finishes.

G. Owner will be responsible for removal/rearrangement of all existing loose furnishings during construction, unless noted otherwise.

H. Refer to Mech./Elec. Drawings for additional patching and preparation work related to M.E.P. demolition items.

I. Existing sleeves, holes, and other penetrations or new damage of existing building structure above grade exposed by demolition and removal of piping, apertures, equipment shall be patched and repaired as part of the Work. Maintain fire ratings of all adjacent construction affected.

J. Cap all piping to remain or abandoned in accordance with requirements of authority having jurisdiction and in accordance with all local and state plumbing and health codes. Utilize only pre-manufactured and approved fittings to cap existing piping.

K. Each Contractor is responsible for all demolition work required or noted for installation of new Work. Demolition may include associated distribution systems, apertures, equipment supporting controls, and miscellaneous supports, unless noted otherwise.

L. Coordinate all demolition with Project sequencing as directed by General Contractor or Construction Manager.

M. Contractor should be familiar with Preservation Brief 1, "The Cleaning and Water - Repellent Treatments of Masonry Buildings" and Preservation Brief 2, "Re-pointing Mortar Joints in Historic Masonry Building" and shall be guided by those requirements except where the specification is more stringent.  
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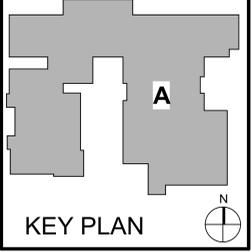


Project No. 2022-086.TGR  
 Project Date 08.29.2023  
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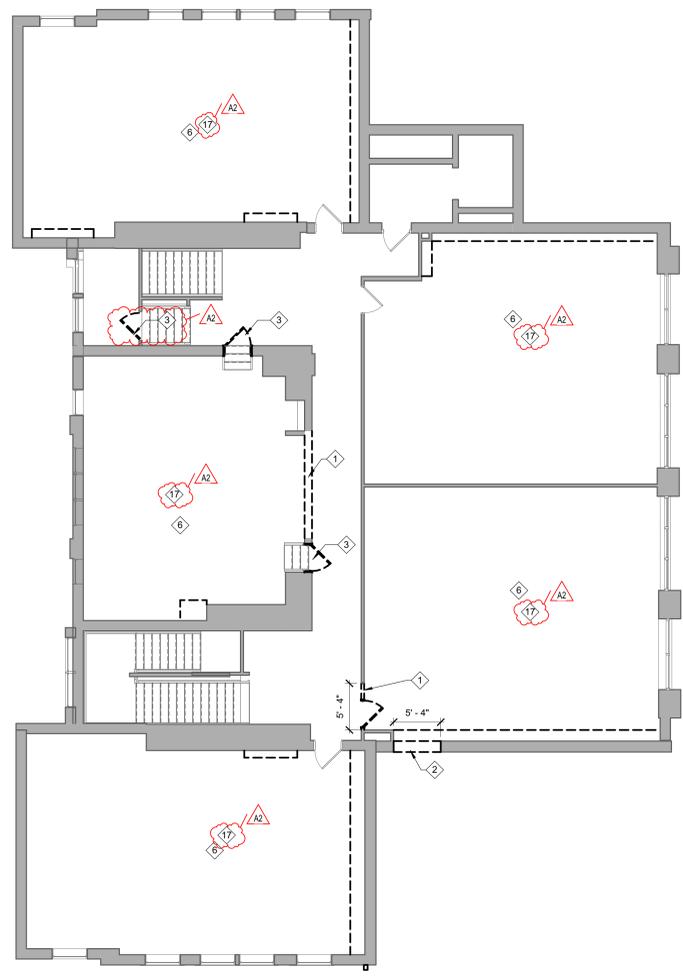
#	Revision	Date
A1	Addendum #1	09.15.2023
A2	Addendum #2	09.19.2023

3526 N 300 E  
 Kokomo, IN 46901

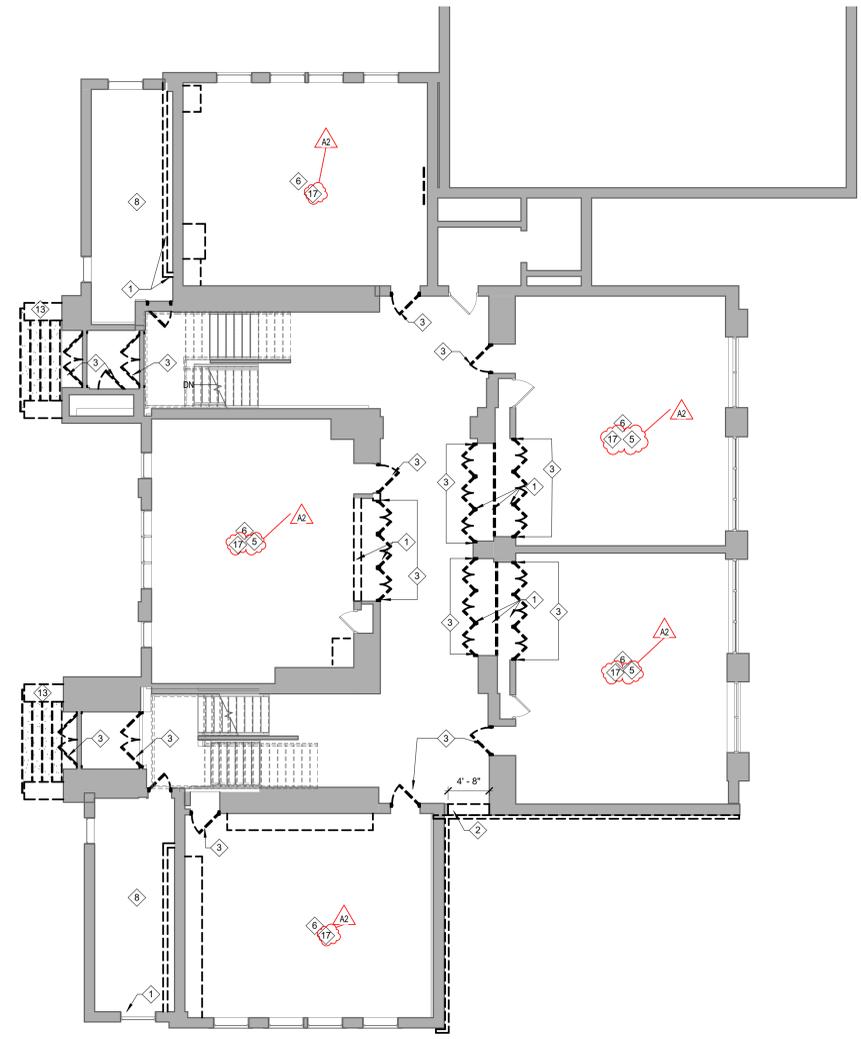


SECOND/THIRD FLOOR DEMO PLAN

3-AD1A2



4A THIRD FLOOR DEMO PLAN  
 1/8" = 1'-0"



1A SECOND FLOOR DEMO PLAN  
 1/8" = 1'-0"

6

5

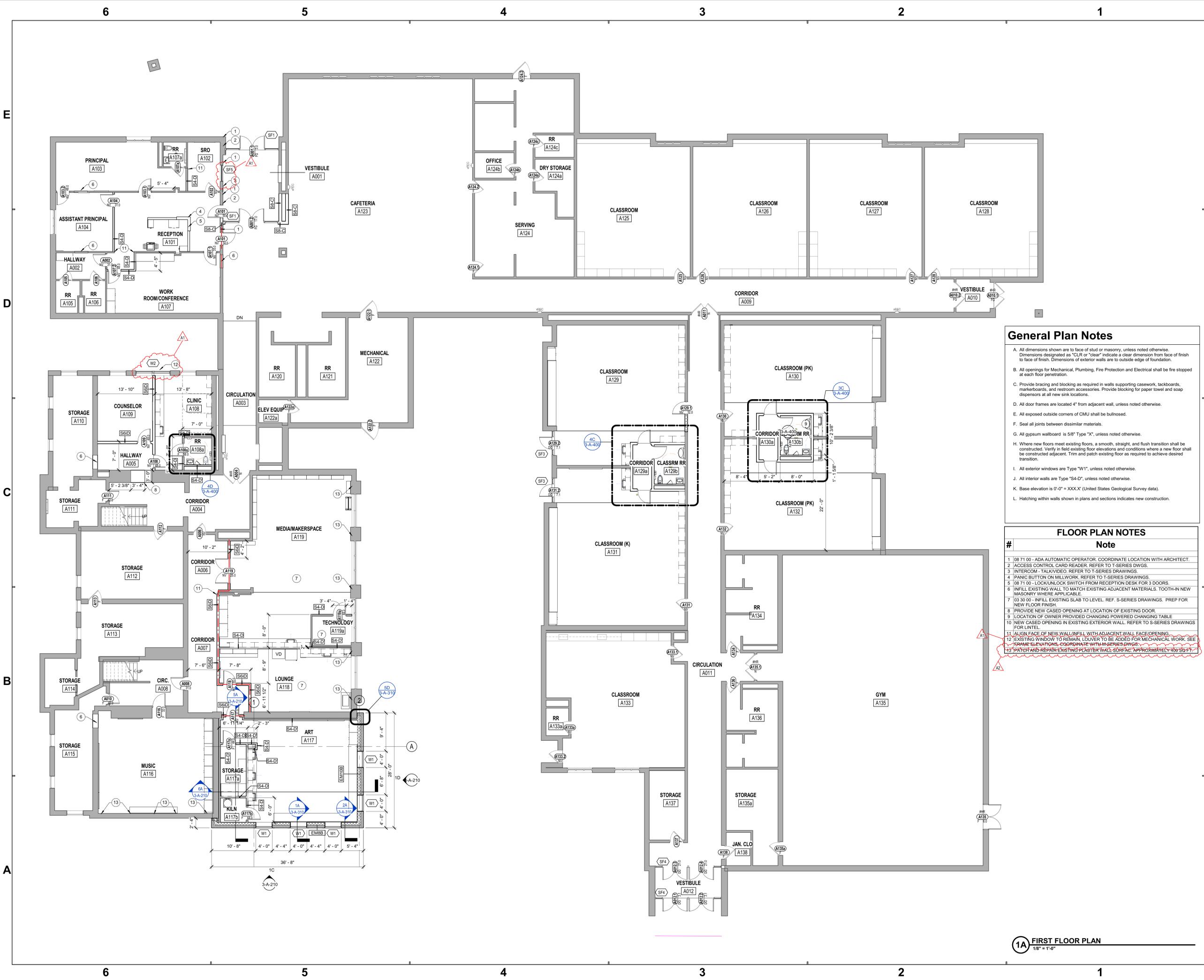
4

3

2

1

ARCH: SCHMIDT ASSOCIATES  
 DATE: 08/29/2023  
 PROJECT: HOWARD ELEMENTARY SCHOOL  
 SHEET: 3-AD1A2



### General Plan Notes

- A. All dimensions shown are to face of stud or masonry, unless noted otherwise. Dimensions designated as "CLR" or "clear" indicate a clear dimension from face of finish to face of finish. Dimensions of exterior walls are to outside edge of foundation.
- B. All openings for Mechanical, Plumbing, Fire Protection and Electrical shall be fire stopped at each floor penetration.
- C. Provide bracing and blocking as required in walls supporting casework, tackboards, markerboards, and restroom accessories. Provide blocking for paper towel and soap dispensers at all new sink locations.
- D. All door frames are located 4" from adjacent wall, unless noted otherwise.
- E. All exposed outside corners of CMU shall be bullnosed.
- F. Seal all joints between dissimilar materials.
- G. All gypsum wallboard is 5/8" Type "X", unless noted otherwise.
- H. Where new floors meet existing floors, a smooth, straight, and flush transition shall be constructed. Verify in field existing floor elevations and conditions where a new floor shall be constructed adjacent. Trim and patch existing floor as required to achieve desired transition.
- I. All exterior windows are Type "W1", unless noted otherwise.
- J. All interior walls are Type "S4-D", unless noted otherwise.
- K. Base elevation is 0'-0" = XXX.X' (United States Geological Survey data).
- L. Hatching within walls shown in plans and sections indicates new construction.

### FLOOR PLAN NOTES

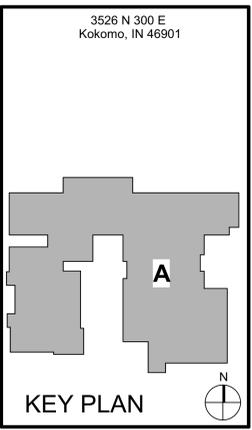
#	Note
1	08 71 00 - ADA AUTOMATIC OPERATOR. COORDINATE LOCATION WITH ARCHITECT.
2	ACCESS CONTROL CARD READER. REFER TO T-SERIES DWGS.
3	INTERCOM - TALK/VIDEO. REFER TO T-SERIES DRAWINGS.
4	PANIC BUTTON ON MILLWORK. REFER TO T-SERIES DRAWINGS.
5	08 71 00 - LOCK/UNLOCK SWITCH FROM RECEPTION DESK FOR 3 DOORS.
6	INFILL EXISTING WALL TO MATCH EXISTING ADJACENT MATERIALS. TOOTH-IN NEW MASONRY WHERE APPLICABLE.
7	03 30 00 - INFILL EXISTING SLAB TO LEVEL. REF. S-SERIES DRAWINGS. PREP FOR NEW FLOOR FINISH.
8	PROVIDE NEW CASSED OPENING AT LOCATION OF EXISTING DOOR.
9	LOCATION OF OWNER PROVIDED CHANGING POWERED CHANGING TABLE.
10	NEW CASSED OPENING IN EXISTING EXTERIOR WALL. REFER TO S-SERIES DRAWINGS FOR LINTEL.
11	ALIGN FACE OF NEW WALL/INFILL WITH ADJACENT WALL FACE/OPENING.
12	EXISTING WINDOW TO REMAIN. LOUVER TO BE ADDED FOR MECHANICAL WORK. SEE FRAME ELEVATIONS. COORDINATE WITH M-SERIES DWGS.
13	PATCH AND REPAIR EXISTING PLASTER WALL SURFACE. APPROXIMATELY 400 SQ FT.



Project No. 2022-086.TGR  
 Project Date 08.29.2023  
 Produced TE MP



#	Revision	Date
A1	Addendum #1	09.15.2023
A2	Addendum #2	09.19.2023



FIRST FLOOR PLAN  
 3-AF1A1

1A FIRST FLOOR PLAN  
 1/8" = 1'-0"



**General Refl. Ceiling Plan Notes**

- A. All ceilings are at 9'-0" AFF, unless noted otherwise.
- B. All bulkheads are at 8'-10" AFF, unless noted otherwise.
- C. All grids are centered in rooms, unless noted otherwise.
- D. All exposed ductwork, piping etc. shall be painted. Color selected by Architect.
- E. Locate sprinkler heads in center of ceiling panel - where applicable.

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

Project No. 2022-086.TGR  
 Project Date 08.29.2023  
 Produced TE MP

Sarah K. Hempstead  
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#	Revision	Date
A2	Addendum #2	09.19.2023

**REFLECTED CEILING PLAN LEGEND**

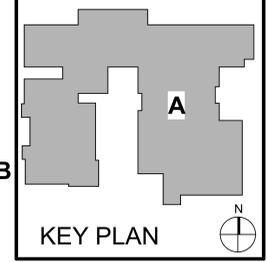
APC-1	2' X 2' Acoustical Panel Ceiling (09 51 13)	Light Fixture (Reference E-Series Dwg)	
APC-2	2' X 2' Washable Acoustical Panel Ceiling (09 51 13)	Return Air (Reference M-Series Dwg)	
APC-3	2' X 2' Humidity Resistant Acoustical Panel Ceiling (09 51 13)	Supply Air (Reference M-Series Dwg)	
GWB	5/8" GWB on Grid Suspension System (09 22 16)	Exit Light (Reference E-Series Dwg)	
		Recessed Light Fixture Suspended Fixture in Areas with Exposed Ceilings (Reference E-Series Dwg)	
Walls to Deck		SOUND SYSTEM SPEAKER (REFERENCE E-SERIES/T-SERIES DWGS)	

**REFLECTED CEILING PLAN NOTES**

**NOTE**

1. EXISTING CEILING TO REMAIN.  
 2. EXISTING BULKHEAD TO REMAIN.

3526 N 300 E  
 Kokomo, IN 46901



**NORTHWESTERN SCHOOL CORPORATION**

**HOWARD ELEMENTARY SCHOOL**

**FIRST FLOOR REFLECTED CEILING PLAN**

**3-AC1A1**

**1A FIRST FLOOR REFLECTED CEILING PLAN**  
 1/8" = 1'-0"

6 5 4 3 2 1

REFLECTED CEILING PLAN NOTES	
#	NOTE
1	EXISTING CEILING TO REMAIN.
2	EXISTING BULKHEAD TO REMAIN.

General Refl. Ceiling Plan Notes	
A.	All ceilings are at 9'-0" AFF, unless noted otherwise.
B.	All bulkheads are at 8'-10" AFF, unless noted otherwise.
C.	All grids are centered in rooms, unless noted otherwise.
D.	All exposed ductwork, piping etc. shall be painted. Color selected by Architect.
E.	Locate sprinkler heads in center of ceiling panel - where applicable.

REFLECTED CEILING PLAN LEGEND	
APC-1 2' X 2' Acoustical Panel Ceiling (09 51 13)	Light Fixture (Reference E-Series Dwgs)
APC-2 2' X 2' Washable Acoustical Panel Ceiling (09 51 13)	Return Air (Reference M-Series Dwgs)
APC-3 2' X 2' Humidity Resistant Acoustical Panel Ceiling (09 51 13)	Supply Air (Reference M-Series Dwgs)
GWB 5/8" GWB on Grid Suspension System (09 22 16)	Exit Light (Reference E-Series Dwgs)
	Recessed Light Fixture Suspended Fixture in Areas with Exposed Ceilings (Reference E-Series Dwgs)
Walls to Deck	SOUND SYSTEM SPEAKER (REFERENCE E-SERIES/T-SERIES DWGS)

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

Project No. 2022-086.TGR  
Project Date 08.29.2023  
Produced TE MP

*Sarah K. Hempstead*

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#	Revision	Date
A2	Addendum #2	09.19.2023

3526 N 300 E  
Kokomo, IN 46901

**KEY PLAN**

**NORTHWESTERN SCHOOL CORPORATION**

**HOWARD ELEMENTARY SCHOOL**

SECOND/THIRD REFLECTED CEILING PLAN  
**3-AC1A2**



**4A** THIRD FLOOR REFLECTED CEILING PLAN  
1/8" = 1'-0"

**1A** SECOND FLOOR REFLECTED CEILING PLAN  
1/8" = 1'-0"

6 5 4 3 2 1

ARCHITECT: SCHMIDT ASSOCIATES  
 PROJECT: NORTHWESTERN SCHOOL CORPORATION, HOWARD ELEMENTARY SCHOOL  
 DRAWING NO.: 3-AC1A2  
 DATE: 08.29.2023

6 5 4 3 2 1

E  
D  
C  
B  
A

**General Roof Plan Notes**

A. Where utilized, tapered insulation shall be installed to achieve positive drainage with a minimum resultant slope of 1/4" per foot, unless noted otherwise.

B. Low slope roof areas shall have a minimum of 4" rigid insulation over metal roof deck. Saddles, crickets, and slope portions of flat roof deck shall be formed by tapered insulation. Areas where tapered insulation is anticipated have been indicated, but shall not be considered all inclusive. It is Contractor's responsibility to provide sloped surfaces to achieve proper drainage.

C. Roof penetrations and equipment shown shall not be considered all inclusive. Coordinate with Mechanical, Plumbing and Electrical Documents to confirm penetrations and equipment locations. Flash all roof penetrations in accordance with roofing manufacturer's recommendations. Provide crickets to allow for proper drainage around units.

D. Roof walkway pads or blocks shall be installed in accordance with roofing manufacturer's recommendation where indicated and around entire perimeter of rooftop equipment.

**ROOF PLAN NOTES**

#	Note
1	07 71 00 - METAL COPING
2	075423 - TAPERED INSULATION CRICKET, MIN. 1/4" POSITIVE SLOPE TO DRAINS, PROVIDE CRICKET ASSEMBLY TO MATCH ADJACENT ROOF CONSTRUCTION.
3	ROOF DRAIN AND OVERFLOW DRAIN, COORDINATE WITH P-SERIES DRAWINGS

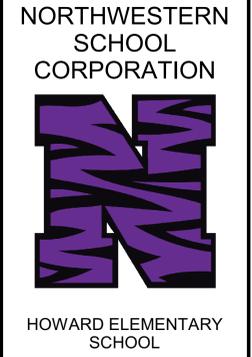
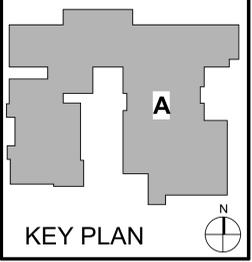


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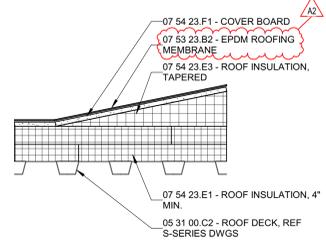
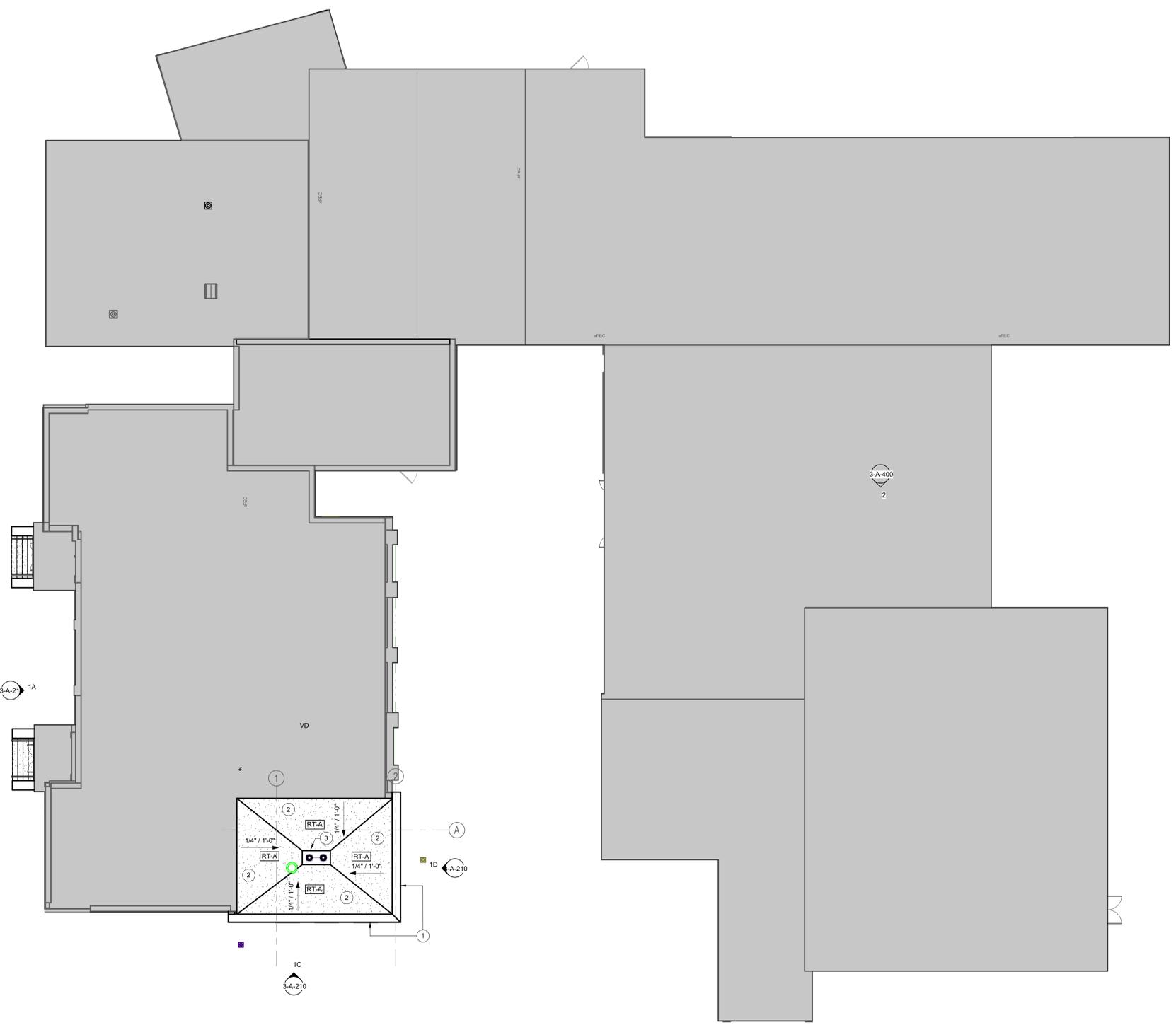


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A2	Addendum #2	09.19.2023

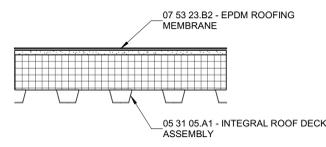
3526 N 300 E  
 Kokomo, IN 46901



ROOF PLAN  
 3-AR100



**6B ROOF TYPE - RT-A**  
 1 1/2" = 1'-0"



**6A ROOF TYPE - A**  
 1 1/2" = 1'-0"

**1A ROOF PLAN**  
 3/32" = 1'-0"

6 5 4 3 2 1

NORTHWESTERN SCHOOL CORPORATION  
 3526 N 300 E  
 KOKOMO, IN 46901  
 315.422.2222

6

5

4

3

2

1

#	Note
1	042000 - CLAY FACE BRICK - MATCH EXISTING
2	042000 - CLAY FACE BRICK - SOLDIER COURSE
3	042000 - STONE TRIM - MATCH EXISTING
4	085113 - ALUMINUM WINDOW
5	05 12 00 - FABRIC CANOPY, MATCH EXISTING DIMENSIONS AND MATERIALS. COLOR TO BE SELECTED BY ARCHITECT FROM MANUFACTURERS FULL COLOR SAMPLES.
6	08 41 13 - ALUM. STOREFRONT OPENING
7	05 52 13 - METAL PIPE RAILING. SEE RAILING ELEVATIONS.
8	04 20 00 - CLAY FACE BRICK TO MATCH EXISTING IN HERRINGBONE PATTERN TO REPLICATE WINDOWS.
9	07 21 00 - METAL CORNING
10	HATCHED AREAS INDICATE AREAS OF SIGNIFICANT DETERIORATION OF MORTAR JOINTS TO BE TUCKPOINTED ACCORDING TO PRESERVATION BRIEF 2 ("PRE-POINTING MORTAR JOINTS IN HISTORIC MASONRY BUILDINGS", <a href="https://www.nps.gov/orgs/17739/preservation-briefs.htm">www.https://www.nps.gov/orgs/17739/preservation-briefs.htm</a> )
11	EXCAVATE STONE/SOIL DOWN TO BOTTOM OF EXISTING OUTSIDE FACE OF WALL FOR NEW BENTONITE WATERPROOFING ON EXTERIOR FACE OF WALLS. CARLISLE CCW MISCCLAY OR CETCO VOLTEX.

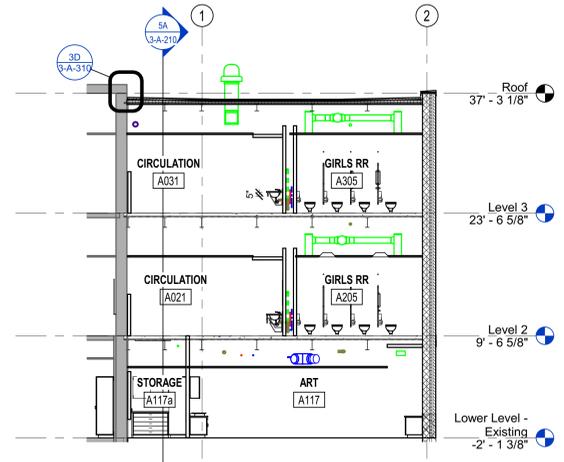


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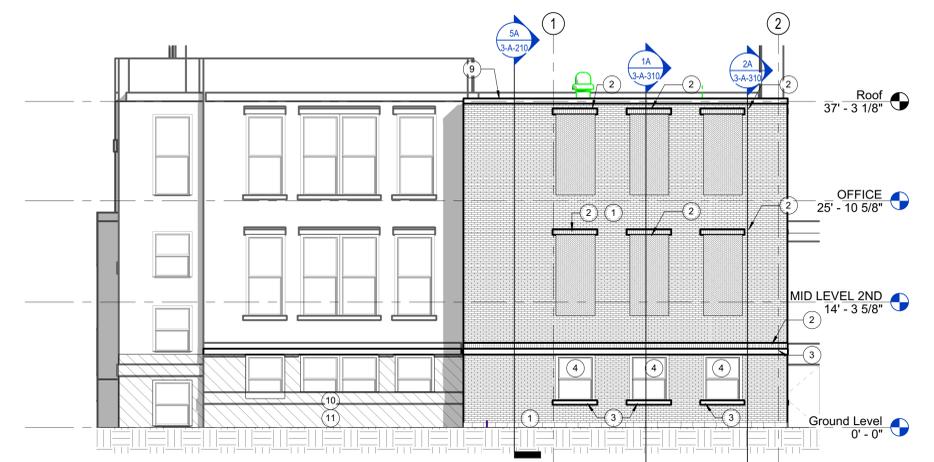
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A2	Addendum #2	09.19.2023



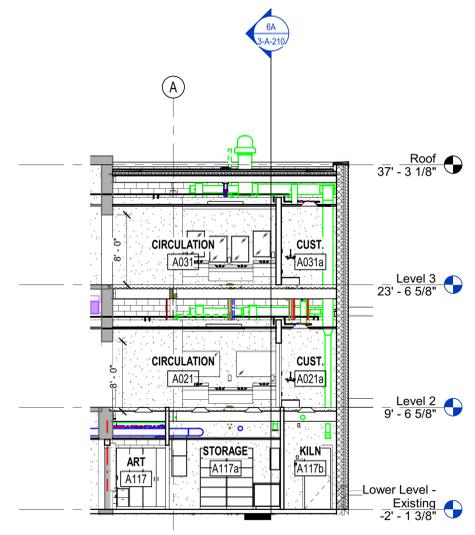
6A BUILDING SECTION  
1/8" = 1'-0"



1D NEW ADDITION - EAST ELEVATION  
1/8" = 1'-0"



1C NEW ADDITION - SOUTH ELEVATION  
1/8" = 1'-0"

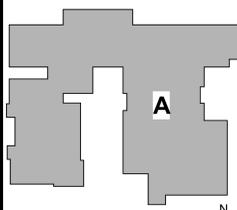


5A BUILDING SECTION  
1/8" = 1'-0"



1A EXISTING EXTERIOR - WEST ELEVATION  
1/8" = 1'-0"

3526 N 300 E  
Kokomo, IN 46901



KEY PLAN

NORTHWESTERN  
SCHOOL  
CORPORATION



HOWARD ELEMENTARY  
SCHOOL

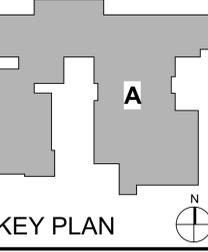
BUILDING ELEVATIONS

3-A-210

24250 NORTHWESTERN SCHOOL CORPORATION, 3526 N 300 E, KOKOMO, IN 46901  
 3526 N 300 E, KOKOMO, IN 46901  
 08/29/2023 10:58 AM

#	Revision	Date
A2	Addendum #2	09.19.2023

3526 N 300 E  
Kokomo, IN 46901



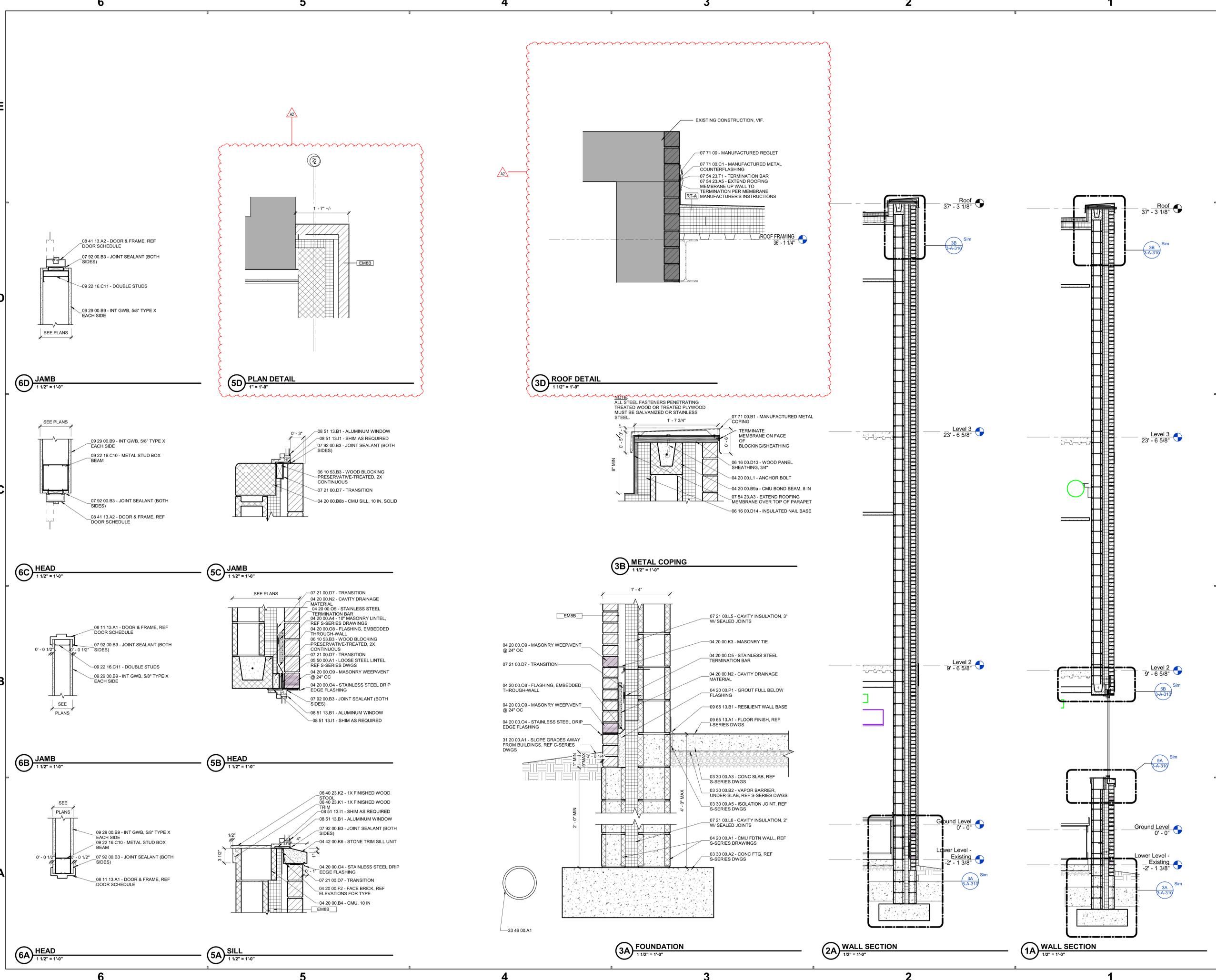
**NORTHWESTERN SCHOOL CORPORATION**



HOWARD ELEMENTARY SCHOOL

WALL SECTIONS

3-A-310



DATE: 08.29.2023  
 DRAWN BY: SCHMIDT ASSOCIATES ARCHITECTS  
 CHECKED BY: SCHMIDT ASSOCIATES ARCHITECTS  
 PROJECT NO.: 2022-086.TGR  
 SHEET NO.: 3-A-310



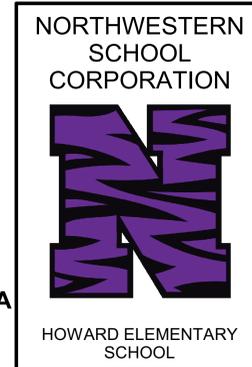
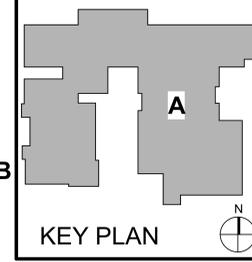
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#	Revision	Date
A1	Addendum #1	09.15.2023
A2	Addendum #2	09.19.2023

3526 N 300 E  
 Kokomo, IN 46901



DOOR & FRAME SCHEDULE

3-A-600

MARK	DOOR & FRAME SCHEDULE										HDWR SET	NOTES	MARK	
	DOOR PANEL					FRAME			GLAZ	LABEL				
	TYPE	QTY	MATL	GLAZ	SIZE H W TH	MARK	MATL	GLAZ						
A001.1	FG	2	AL	TG	7'-0"	6'-0"	0'-1 3/4"	SF1	AL	TG		33.0		A001.1
A001.2	FG	2	AL	TG	7'-0"	6'-0"	0'-1 3/4"	SF1	AL	TG		33.0		A001.2
A002	NV	1	WD	TG	7'-0"	3'-0"	0'-1 3/4"	F1	HM	--		31.0		A002
A008	F	1	WD	--	7'-0"	3'-0"	0'-1 3/4"	F1	HM	--		31.0		A008
A010	F	1	WD	--	7'-0"	2'-4"	0'-1 3/4"	F1	HM	--		42.0		A010
A012.1	DG	1	AL	IG-1	7'-0"	6'-0"	0'-2 1/4"	SF4	AL	IG-1		31.0		A012.1
A012.2	DG	1	AL	IG-1	7'-0"	6'-0"	0'-2 1/4"	SF4	AL	IG-1		31.0		A012.2
A012.3	DG	1	AL	IG-1	7'-0"	6'-0"	0'-2 1/4"	SF4	AL	IG-1		21.0		A012.3
A012.4	DG	1	AL	IG-1	7'-0"	6'-0"	0'-2 1/4"	SF4	AL	IG-1		21.0		A012.4
A021a	F	1	WD	--	7'-0"	3'-0"	0'-1 3/4"	F1	HM	--		44.0		A021a
A022.1	DG	2	AL	IG-1	7'-0"	6'-0"	0'-1 3/4"	F1	AL	--		5.0		A022.1
A022.2	DG	2	AL	IG-1	7'-0"	6'-0"	0'-1 3/4"	F1	AL	--		26.0		A022.2
A023.1	DG	2	AL	IG-1	7'-0"	6'-0"	0'-1 3/4"	F1	AL	--		5.0		A023.1
A023.2	DG	2	AL	IG-1	7'-0"	6'-0"	0'-1 3/4"	F1	AL	--		26.0		A023.2
A023a	F	1	WD	--	7'-0"	3'-0"	0'-1 3/4"	F1	HM	--		42.0		A023a
A031a	F	1	WD	--	7'-0"	3'-0"	0'-1 3/4"	F1	HM	--		44.0		A031a
A101	NV	1	WD	TG	7'-0"	3'-0"	0'-1 3/4"	F1	HM	--		34.0		A101
A101	NV	1	WD	TG	7'-0"	3'-0"	0'-1 3/4"	F1	HM	--		50.0		A101
A103.1	NV	1	WD	TG	7'-0"	3'-0"	0'-1 3/4"	F1	HM	--		48.0		A103.1
A103.2	NV	1	WD	TG	7'-0"	3'-0"	0'-1 3/4"	F1	HM	--		48.0		A103.2
A104	NV	1	WD	TG	7'-0"	3'-0"	0'-1 3/4"	F1	HM	--		31.0		A104
A107.1	NV	1	WD	TG	7'-0"	3'-0"	0'-1 3/4"	F1	HM	--		35.0		A107.1
A107.2	NV	1	WD	TG	7'-0"	3'-0"	0'-1 3/4"	F1	HM	--		48.0		A107.2
A108	NV	1	WD	TG	7'-0"	3'-0"	0'-1 3/4"	F1	HM	--		48.0		A108
A108a	F	1	WD	--	7'-0"	3'-0"	0'-1 3/4"	F1	HM	--		58.0		A108a
A109	NV	1	WD	TG	7'-0"	3'-0"	0'-1 3/4"	F1	HM	--		48.0		A109
A111	F	1	WD	--	7'-0"	2'-4"	0'-1 3/4"	F1	HM	--		42.0		A111
A116	F	1	WD	--	7'-0"	3'-0"	0'-1 3/4"	F1	HM	--		32.0		A116
A117	NV	1	WD	TG	7'-0"	3'-0"	0'-1 3/4"	F1	HM	--		37.0		A117
A117a	F	1	WD	--	7'-0"	3'-0"	0'-1 3/4"	F1	HM	--		44.0		A117a
A117b	F	1	WD	--	7'-0"	3'-0"	0'-1 3/4"	F1	HM	--		44.0		A117b
A118	NV	1	WD	TG	7'-0"	3'-0"	0'-1 3/4"	F1	HM	--		55.0		A118
A119	NV	2	HM	TG	7'-0"	6'-0"	0'-1 3/4"	F1	HM	--		25.0		A119
A119a	F	1	WD	--	7'-0"	3'-0"	0'-1 3/4"	F1	HM	--		44.0		A119a
A129.1	NV	1	WD	TG	7'-0"	3'-0"	0'-1 3/4"	F1	HM	--		32.0		A129.1
A129.2	DG	1	AL	IG-1	7'-0"	3'-0"	0'-1 3/4"	SF3	AL	IG-1		7.1		A129.2
A129a.1	F	1	HM	--	7'-0"	3'-0"	0'-1 3/4"	F1	HM	--		58.0		A129a.1
A129a.2	F	1	HM	--	7'-0"	3'-0"	0'-1 3/4"	F1	HM	--		58.0		A129a.2
A129b	F	1	HM	--	7'-0"	3'-0"	0'-1 3/4"	F1	HM	--		57.0		A129b
A130a.1	F	1	HM	--	7'-0"	3'-0"	0'-1 3/4"	F1	HM	--		58.0		A130a.1
A130a.2	F	1	HM	--	7'-0"	3'-0"	0'-1 3/4"	F1	HM	--		58.0		A130a.2
A130b	F	1	HM	--	7'-0"	3'-0"	0'-1 3/4"	F1	HM	--		57.0		A130b
A131.2	DG	1	AL	IG-1	7'-0"	3'-0"	0'-1 3/4"	SF3	AL	IG-1		7.1		A131.2
A135	F	2	HM	--	7'-0"	6'-0"	0'-1 3/4"	F1	HM	--	#HR	6.0		A135
A201	NV	1	WD	TG	7'-0"	3'-0"	0'-1 3/4"	SF2	AL	--		32.0		A201
A202	NV	1	WD	TG	7'-0"	3'-0"	0'-1 3/4"	SF2	AL	--		32.0		A202
A203	NV	1	WD	TG	7'-0"	3'-0"	0'-1 3/4"	SF2	AL	--		32.0		A203
A206	NV	1	WD	TG	7'-0"	3'-0"	0'-1 3/4"	SF2	AL	--		32.0		A206
A207	F	1	WD	--	7'-0"	2'-4"	0'-1 3/4"	F1	HM	--		48.0		A207
A208	NV	1	WD	TG	7'-0"	3'-0"	0'-1 3/4"	SF2	AL	--		32.0		A208
A209	F	1	WD	--	7'-0"	2'-6"	0'-1 3/4"	F1	HM	--		42.0		A209
A303	NV	1	WD	TG	7'-0"	3'-0"	0'-1 3/4"	F1	HM	--		32.0		A303
A307.1	NV	1	WD	TG	7'-0"	3'-0"	0'-1 3/4"	F1	HM	--		32.0		A307.1
A307.2	NV	1	WD	TG	7'-0"	3'-0"	0'-1 3/4"	F1	HM	--		32.0		A307.2
A308	F	1	WD	--	7'-0"	2'-6"	0'-1 3/4"	F1	HM	--		48.0		A308
A309	F	1	WD	--	7'-0"	2'-6"	0'-1 3/4"	F1	HM	--		48.0		A309
A311	NV	1	WD	TG	7'-0"	3'-0"	0'-1 3/4"	F1	HM	--		48.0		A311

**GENERAL NOTES**

- A. This Door Schedule(s) is furnished for whatever assistance it may afford the Contractor. Do not consider it as entirely inclusive. Carefully examine the Drawings (especially the Floor Plans) and the Specifications to determine the extent of door and frame quantities required (including interior borrowed lite or sidelite openings). Should any particular door, frame, or interior borrowed lite or sidelite shown on the Drawings be inadvertently omitted from this Schedule, supply same as required for similar openings.
- B. The "QTY" column designates the number of leaves in the opening. The "Door Width" column designates the total width of all leaves. In multiple leaf conditions, the leaves shall equally divide the "Door Width" unless noted otherwise; however, the active leaf shall not be less than 3'-0" wide.
- C. Door Type "X" denotes a frame with no door such as a borrowed lite, reference Frame Elevations.
- D. An asterisk (\*) in a dimension denotes a width that varies, reference plans, elevations, details and schedules.
- E. Verify locksets with the Owner during submittals.

**ABBREVIATIONS**

- AL Aluminum
- HM Hollow Metal
- ST Steel
- WD Wood
- TG Tempered Glazing
- IG Insulated Glazing
- LGLaminated Glazing
- FGFrosted Glazing
- SFSpanrel Panel

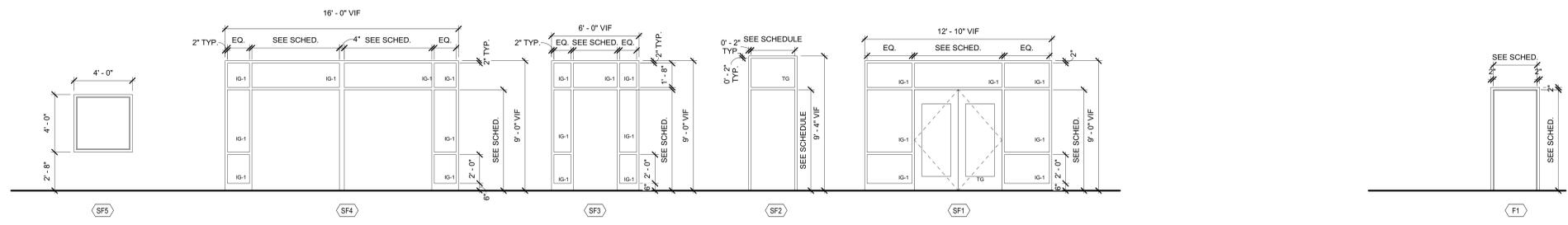
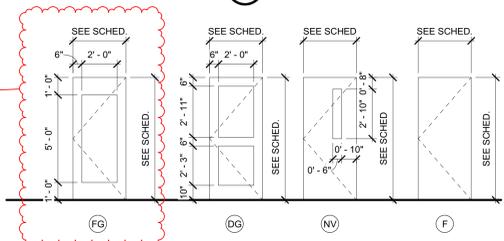
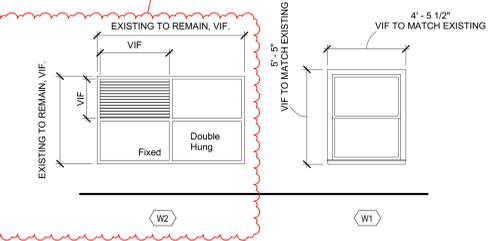
**DOOR & FRAME SCHEDULE NOTES**

- 1. Existing door and frame to remain. New hardware only. Field verify all existing door and frame information as required for installation of new hardware.
- 2. New door/frame in existing masonry wall. Tooth in new masonry into existing as required.
- 3. Set door in frame to allow for 180° door swing.

**GLAZING SCHEDULE**  
 REFERENCE SPECIFICATION SECTION 088000 - GLAZING

IG-1	1" REFLECTIVE COATED, TINTED INSULATING VISION GLASS
TG	1/4" CLEAR TEMPERED GLAZING
IG-2	1" CERAMIC-COATED AND REFLECTIVE-COATED, TINTED INSULATING,FRITTED VISION GLASS.
MP-1	INSULATED METAL PANEL
FR	45 MINUTE FIRE RATED GLASS.

**(2B) GLAZING SCHEDULE**  
 1 1/2" = 1'-0"



**5.4.603 - SF FRAME ELEVATIONS**  
 1/4" = 1'-0"

**5.4.603 - FRAME ELEVATIONS**  
 1/4" = 1'-0"

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



*Kyle E. Miller*

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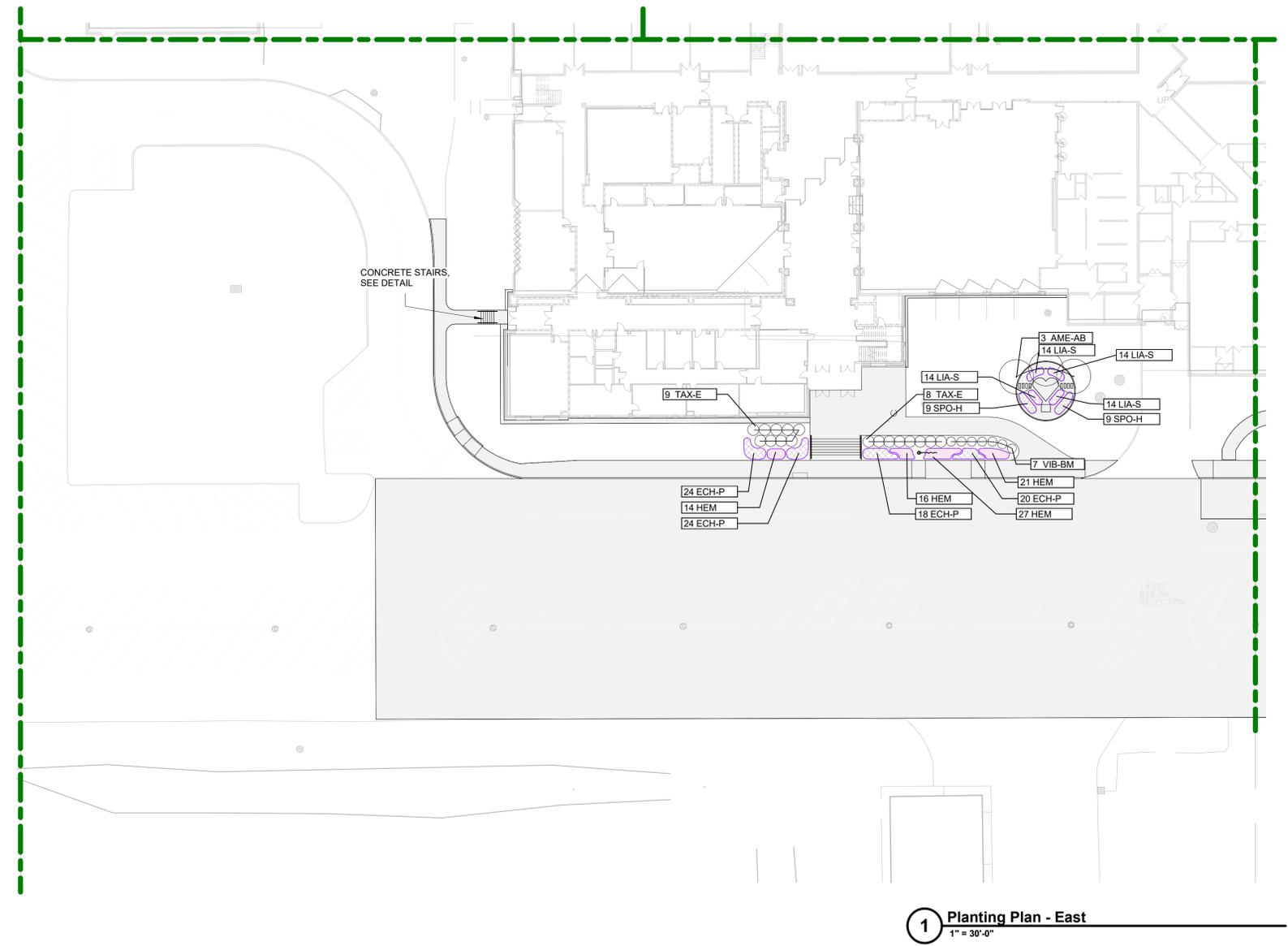
#	Revision	Date
A1	Addendum 1	09.15.2023

3431 County Rd N 400 W  
 Kokomo, IN 46901



MULTIPLE PROJECTS

PLANTING PLAN  
 2-LP101



**1** Planting Plan - East  
 1" = 30'-0"

**GENERAL PLANTING NOTES**

- REFERENCE C-001 FOR GENERAL PLANTING PLAN NOTES.
- ALL AREAS DISTURBED DURING CONSTRUCTION SHALL BE PERMANENTLY SEEDED UNLESS INDICATED OTHERWISE ON THIS PLAN.
- SEE SPECIFICATIONS FOR TURF SEEDING AND PLANTING INFORMATION.
- SEE EROSION CONTROL PLAN FOR TEMPORARY SEEDING INFORMATION.
- ALL EXISTING LANDSCAPING ON AND ADJACENT TO PROJECT SITE SHALL BE PROTECTED FROM DAMAGE DURING CONSTRUCTION.
- PLANT QUANTITIES LISTED IN THE TABLE ARE FOR CONTRACTOR CONVENIENCE ONLY. IN THE EVENT OF DISCREPANCY BETWEEN STATE AMOUNT AND WHAT IS GRAPHICALLY SHOWN ON PLAN, THE PLAN QUANTITY SHALL DICTATE.
- ESTABLISH TURF GRASS ABOVE NATIVE AREA PRIOR TO SEEDING NATIVES TO PREVENT CONTAMINATION OF THE NATIVES. IN THE EVENT PRIOR ESTABLISHMENTS IS NOT FEASIBLE, UTILIZE SILT FENCE OR OTHER CONTROL SYSTEM TO PREVENT CROSS CONTAMINATION.

PLANTING SCHEDULE					
Count	Key	Scientific Name	Common Name	Size	Condition
Ornamental/ Evergreen Trees					
3	AME-AB	Amelanchier x grandiflora 'Autumn Brilliance'	Autumn Brilliance serviceberry	8' Ht.	B&B
Shrubs					
17	TAX-E	Taxus x media 'Everlow'	Everlow Spreading Yew	3 Gal, 24" min Ht	Cont.
7	VIB-BM	Viburnum dentatum 'Blue Muffin'	Blue Muffin Arrowwood Viburnum	3 Gal, 24" min Ht	Cont.

PLANTING SCHEDULE - AREAS							
Count	Key	Scientific Name	Common Name	Size	Condition	Spa cing	Comments
62	ECH-P	Echinacea purpurea	Purple Coneflower	#1	Cont.	24"	Spacing O.C.
52	HEM	Hemerocallis 'Stella de Oro'	'Stella de Oro' Daylily	#1	Cont.	24"	Spacing O.C.
26	LIA-S	Liatris spicata	Blazing Star	#1	Cont.	24"	Spacing O.C.
20	SPO-H	Sporobolus heterolepis	Prairie Dropseed	#1	Cont.	24"	Spacing O.C.

6

5

4

3

2

1

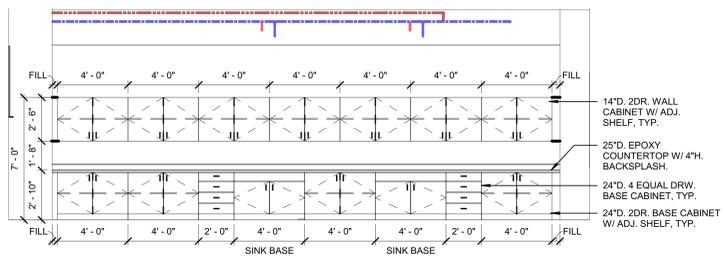
E

D

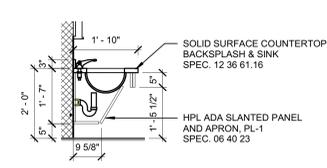
C

B

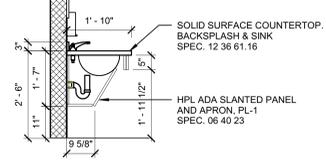
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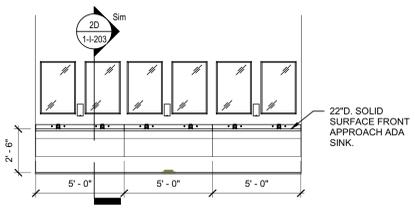
**2E ART 112 - ELEVATION**  
1/4" = 1'-0"



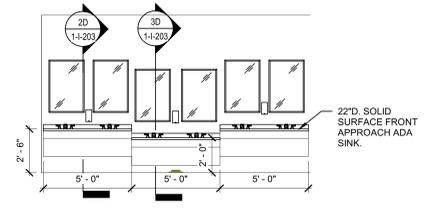
**3D TYP. ES RR LAVORATORY - SECTION 2**  
1/2" = 1'-0"



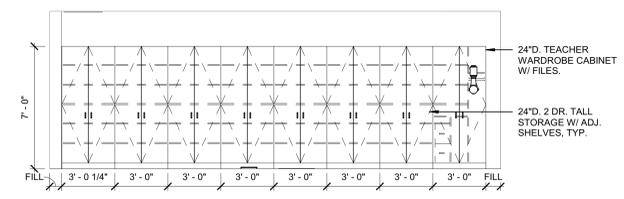
**2D TYP. ES RR LAVORATORY - SECTION 1**  
1/2" = 1'-0"



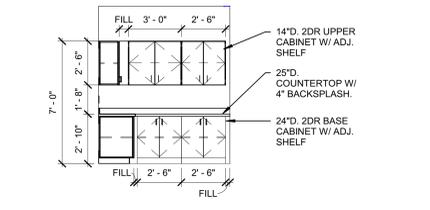
**3C TYP. NES RR LAVORATORY - ELEVATION 2**  
1/4" = 1'-0"



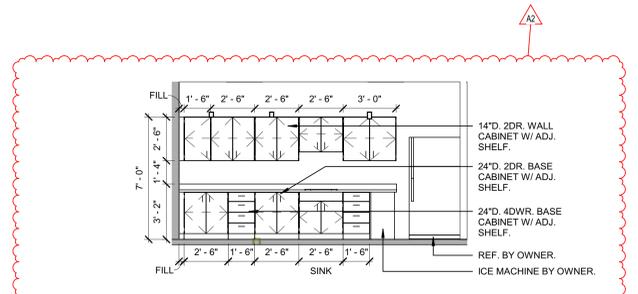
**1C TYP. NES RR LAVORATORY - ELEVATION**  
1/4" = 1'-0"



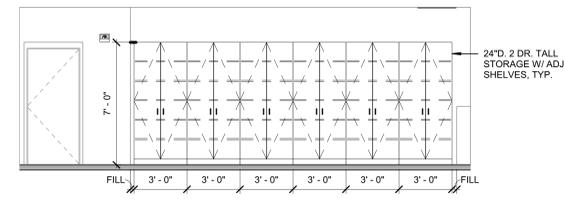
**3B MUSIC - ELEVATION 2**  
1/4" = 1'-0"



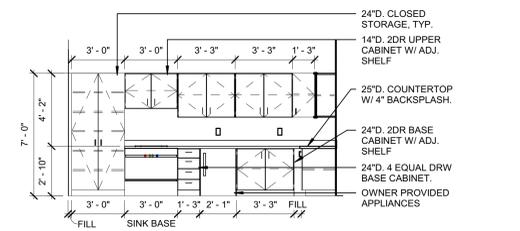
**1B ES CLINIC A106 - ELEVATION 2**  
1/4" = 1'-0"



**5A WORK ROOM A107 - ELEVATION 1**  
1/4" = 1'-0"



**3A MUSIC - ELEVATION 1**  
1/4" = 1'-0"



**1A ES CLINIC A106 - ELEVATION 1**  
1/4" = 1'-0"

- 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" 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. 18" 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, 4943-60 MISTED ZEPHYR (CASEWORK).
    - b. PL-2: WILSONART, 4947-38 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. STAINLESS STEEL: CONCESSIONS, SPIRIT SHOP.



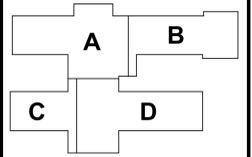
Project No. 2022-086.TGR  
Project Date 08.29.2023  
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#	Revision	Date
A2	Addendum #2	09.19.2023

4223 W 350 N  
Kokomo, IN 46901



**KEY PLAN**

**NORTHWESTERN SCHOOL CORPORATION**



**NORTHWESTERN ELEMENTARY SCHOOL**

**INTERIOR CASEWORK ELEVATIONS**

1-I-203

1488 - INTERIOR CASEWORK ELEVATIONS  
 DRAWN BY: SCHMIDT ASSOCIATES  
 CHECKED BY: SCHMIDT ASSOCIATES  
 DATE: 08.29.2023  
 PROJECT: NORTHWESTERN SCHOOL CORPORATION, 4223 W 350 N, KOKOMO, IN 46901

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D  
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INTERIOR FINISH LEGEND EL-MS-HS							
APPLICATION	SPEC.	MARK	DESCRIPTION	MANUFACTURER	COLLECTION/PATTERN	COLOR	COMMENTS
		ETR	EXISTING TO REMAIN				
FLOORING	09 30 00	PMT-1a	PORCELAIN MOSAIC TILE	AMERICAN OLEAN	UNGLAZED MOSAICS	LIGHT SMOKE A43	SIZE: 1 BY 1 INCH
FLOORING	09 30 00	PMT-1b	PORCELAIN MOSAIC TILE	AMERICAN OLEAN	UNGLAZED MOSAICS	LIGHT SMOKE A43	SIZE: 2 BY 2 INCH
FLOORING	09 30 00	PMT-2	PORCELAIN MOSAIC TILE	AMERICAN OLEAN	UNGLAZED MOSAICS	GRACE A45	SIZE: 2 BY 2 INCH
FLOORING	09 30 00	PMT-3	PORCELAIN MOSAIC TILE	AMERICAN OLEAN	UNGLAZED MOSAICS	STORM GRAY A22	SIZE: 2 BY 2 INCH
FLOORING	09 30 00	PMT-4	PORCELAIN MOSAIC TILE	AMERICAN OLEAN	UNGLAZED MOSAICS	BLACK A34	SIZE: 2 BY 2 INCH
FLOORING	09 30 00	PMTB-1	PORCELAIN MOSAIC TILE	AMERICAN OLEAN	UNGLAZED MOSAICS	LIGHT SMOKE A43	SIZE: 5 INCHES HIGH
FLOORING	09 65 13	RSL-1	RESILIENT STAIR LANDINGS	JOHNSONITE/TARKETT	--	TO BE SELECTED	
FLOORING	09 65 13	RST-1	RESILIENT STAIR TREADS	JOHNSONITE/TARKETT	--	TO BE SELECTED	
FLOORING	09 65 13	WB-1	VINYL WALL BASE	JOHNSONITE/TARKETT	--	TO BE SELECTED	
FLOORING	09 65 19	LVT-1	LUXURY VINYL TILE	PATCRAFT	CMYK 1426V	SMOKE 00530	SIZE: 4" COVE BASE IN COIL FORM
FLOORING	09 65 19	LVT-2	LUXURY VINYL TILE	PATCRAFT	CMYK 1426V	SLATE 00570	SIZE: 12 BY 24 INCHES; INSTALL: ASHLAR
FLOORING	09 65 19	LVT-3	LUXURY VINYL TILE	PATCRAFT	CMYK 1426V	OBSDIAN 00580	SIZE: 12 BY 24 INCHES; INSTALL: ASHLAR
FLOORING	09 65 19	LVT-4	LUXURY VINYL TILE	PATCRAFT	CMYK 1426V	SUNGOLD 00230	SIZE: 12 BY 24 INCHES; INSTALL: ASHLAR
FLOORING	09 65 19	LVT-5	LUXURY VINYL TILE	PATCRAFT	CMYK 1426V	MAJESTY 00950	SIZE: 12 BY 24 INCHES; INSTALL: ASHLAR
FLOORING	09 65 19	VCT-1	VINYL COMPOSITION TILE	JOHNSONITE/TARKETT	--	530 WINTER STORM	SIZE: 12 BY 12 INCHES
FLOORING	09 66 23	ETZ-1	EPOXY TERRAZZO FLOORING	--	--	CUSTOM TO MATCH EXISTING	GENERAL NEUTRAL
FLOORING	09 66 23	ETZ-2	EPOXY TERRAZZO FLOORING	--	--	CUSTOM TO MATCH EXISTING	PURPLE
FLOORING	09 66 23	ETZ-3	EPOXY TERRAZZO FLOORING	--	--	CUSTOM TO MATCH EXISTING	PURPLE
FLOORING	09 67 23.13	CF-1	CONCRETE FLOOR COATING (LEVEL 1)	SHERWIN WILLIAMS	PIGMENTED RESIN EPOXY	TO BE SELECTED	
FLOORING	09 67 23.17	RSF-1	RESINOUS FLOORING (LEVEL 3)	SHERWIN WILLIAMS	BIOFLAKE URETHANE	CUSTOM COLOR	
FLOORING	09 67 23.17	RSF-2	RESINOUS FLOORING (LEVEL 3)	SHERWIN WILLIAMS	COLORLED QUARTZ	TO BE SELECTED	
FLOORING	09 67 23.17	RSFB-1	RESINOUS FLOORING BASE (LEVEL 3)	SHERWIN WILLIAMS	BIOFLAKE URETHANE	CUSTOM COLOR	
FLOORING	09 67 23.17	RSFB-2	RESINOUS FLOORING BASE (LEVEL 3)	SHERWIN WILLIAMS	COLORLED QUARTZ	TO BE SELECTED	
FLOORING	09 68 13	CPT-1	CARPET TILE (FIELD)	MCHAWK GROUP	DATUM - BT284 - BENDING EARTH	7579 BASALT	SIZE: 24 BY 24 INCHES; INSTALL: QUARTER TURN
FLOORING	09 68 13	CPT-2	CARPET TILE (ACCENT)	PATCRAFT	LINEAR TENSION 10541	VIOLET 00900	SIZE: 18 BY 36 INCHES; INSTALL: ASHLAR
FLOORING	09 68 13	CPT-3	CARPET TILE (ACCENT)	SHAW CONTRACT	ENGAGE TILE	ACHIEVE PURPLE 86586	SIZE: 24 BY 24 INCHES; INSTALL: QUARTER TURN
FLOORING	09 68 13	WOC-1	WALK-OFF CARPET	PATCRAFT	MEANDER 00570	PASSAGE 00500	SIZE: 24 BY 24 INCHES; INSTALL: QUARTER TURN
FURNISHINGS	06 40 23	PL-3	PLASTIC LAMINATE	ARBORITE	--	URBAN NIGHT P393	LOCATION(S): MILLWORK CASEWORK
FURNISHINGS	06 40 23	PL-4	PLASTIC LAMINATE	WILSONART	--	FOSSIL SHALE D504	LOCATION(S): MILLWORK ACCENT
FURNISHINGS	06 40 23	PL-5	PLASTIC LAMINATE	WILSONART	--	GUMBALL 13102	LOCATION(S): MILLWORK ACCENT
FURNISHINGS	06 40 23	PL-6	PLASTIC LAMINATE	FORMICA	--	PURPLE DYE 1196	LOCATION(S): MILLWORK ACCENT
FURNISHINGS	06 40 23	PL-7	PLASTIC LAMINATE	WILSONART	--	DAINTREE 9235	LOCATION(S): MILLWORK ACCENT
FURNISHINGS	06 40 23	PL-8	PLASTIC LAMINATE	WILSONART	--	COSMIC STRANDZ 4941	LOCATION(S): MILLWORK ACCENT
FURNISHINGS	06 40 23	PL-9	PLASTIC LAMINATE	NEVAMAR	--	MARIGOLD FIELDS SY9250T	LOCATION(S): MILLWORK ACCENT
FURNISHINGS	12 32 00	PL-1	PLASTIC LAMINATE	WILSONART	--	MISTED ZEPHYR 4843	LOCATION(S): GENERAL CABINETRY
FURNISHINGS	12 32 00	PL-2	PLASTIC LAMINATE	WILSONART	--	RAW COTTON 4947	LOCATION(S): GENERAL COUNTERTOP
FURNISHINGS	12 32 00	PL-3	PLASTIC LAMINATE	WILSONART	--	URBAN NIGHT P393	LOCATION(S): RECEPTION DESKS
FURNISHINGS	12 36 61.66	SS-1	SOLID SURFACE	WILSONART	--	MORNING ICE 9204CE	LOCATION(S): RECEPTION DESKS
SPECIALTY		WD-1	WOOD DOORS	VT INDUSTRIES	RED OAK VENEER	TO BE SELECTED	
SPECIALTY	10 11 00	TB	TACK BOARD VISUAL DISPLAY			TO BE SELECTED	
SPECIALTY	10 21 23	CG-1	CUBICLE CURTAIN	MOMENTUM	HAIKU	TO BE SELECTED	
SPECIALTY	12 26 00	CG-1	CORNER GUARD	SEE SPECIFICATION	SEE SPECIFICATION	SEE SPECIFICATION	
SPECIALTY	12 26 00	FRP	FIBERGLASS REINFORCED PANELS	KEMLITE	PEBBLE	P100 WHITE	
WALLS	09 30 00	CWT-1	CERAMIC WALL TILE	AMERICAN OLEAN	COLOR STORY	0025 ICE WHITE	SIZE: 4 X 12 INCHES
WALLS	09 30 00	CWT-2	CERAMIC WALL TILE	AMERICAN OLEAN	COLOR STORY	0068 GRACE	SIZE: 4 X 12 INCHES
WALLS	09 91 23.99	P-1	PAINT (FIELD)	SHERWIN WILLIAMS	--	SW 7016 MINDFUL GRAY	NEUTRAL
WALLS	09 91 23.99	P-2	PAINT (ACCENT)	SHERWIN WILLIAMS	--	SW 7074 SOFTWARE	GRAY ACCENT
WALLS	09 91 23.99	P-3	PAINT (ACCENT)	SHERWIN WILLIAMS	--	SW 6983 FULLY PURPLE	PURPLE ACCENT
WALLS	09 91 23.99	P-4	PAINT (ACCENT)	SHERWIN WILLIAMS	--	SW 5534 COMMOORE	BLUE ACCENT
WALLS	09 96 00.99	HP-1	HIGH PERFORMANCE PAINT	SHERWIN WILLIAMS	--	SW 7016 MINDFUL GRAY	DOOR FRAMES AND STAIR RAILING ASSEMBLIES
WALLS	09 96 00.99	HP-2	HIGH PERFORMANCE PAINT	SHERWIN WILLIAMS	--	SW 7074 SOFTWARE	DOOR FRAMES AND STAIR RAILING ASSEMBLIES
WALLS	09 96 00.99	HP-3	HIGH PERFORMANCE PAINT	SHERWIN WILLIAMS	--	SW 6983 FULLY PURPLE	DOOR FRAMES AND STAIR RAILING ASSEMBLIES



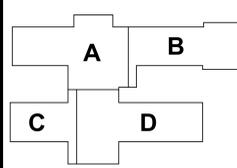
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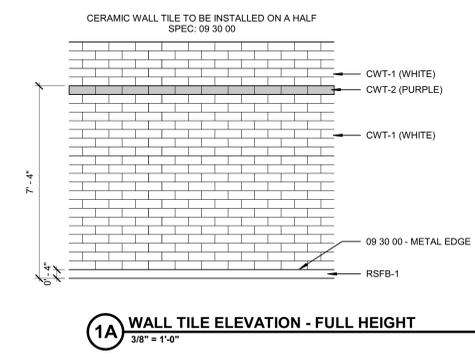
#	Revision	Date
A2	Addendum #2	09.19.2023

4223 W 350 N  
 Kokomo, IN 46901



INTERIOR FINISH LEGEND AND DETAILS

1-I-601



DATE: 09/19/2023 10:48:00 AM  
 DRAWN BY: SCHMIDT ASSOCIATES  
 CHECKED BY: SCHMIDT ASSOCIATES  
 PROJECT: 2022-086.TGR  
 SHEET: 1-I-601

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VISUAL DISPLAY SCHEDULE				
ID	DESCRIPTION	W	H	COMMENTS
4TB	MARKER BOARD	4'-0"	4'-0"	36 INCHES A.F.F.
6MB	MARKER BOARD	6'-0"	4'-0"	36 INCHES A.F.F.
8TB	TACK BOARD	8'-0"	4'-0"	36 INCHES A.F.F.
8TB	TACK BOARD	8'-0"	4'-0"	30 INCHES A.F.F.
12MB	MARKER BOARD	12'-0"	4'-0"	36 INCHES A.F.F.
12TB	TACK BOARD	12'-0"	4'-0"	30 INCHES A.F.F.
16MB	MARKER BOARD	16'-0"	4'-0"	36 INCHES A.F.F.
20MB	MARKER BOARD	20'-0"	4'-0"	30 INCHES A.F.F.
20TBS	TACK BOARD STACKER	20'-0"	1'-0"	STACKER

INTERIOR FLOOR PLAN NOTES	
#	NOTE
1	NO NEW INTERIOR SCOPE.
2	12 24 13 - PROVIDE MANUAL ROLLER WINDOW SHADES, VERIFY DIMENSIONS IN FIELD PRIOR TO ORDERING AND INSTALL.
3	09 66 13 15 - PROVIDE VITRIFICATION ON EXISTING TERRAZZO FLOORING THROUGHOUT.
4	10 26 00 - PROVIDE SURFACE MOUNTED CORNER GUARDS, CG-1. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.
5	12 22 00 - ADD PLASTIC LAMINATE SHELF (PL-1) WITH ROD BELOW FULL WIDTH OF CLOSET. MOUNT SHELF XXX A.F.F.
6	09 30 00 - PROVIDE WALL TILE FULL HEIGHT AND WIDTH OF WALL AND AROUND ENTIRE ROOM, REF. 1A/1-1601 FOR TYPICAL ELEVATION. PROVIDE FULL HEIGHT METAL EDGE AT OUTSIDE CORNERS.
7	09 30 00 - START/STOP CERAMIC WALL TILE ON OUTSIDE CORNER WITH FULL HEIGHT METAL EDGE.
8	09 91 23 99 - ELECTROSTATIC PAINT EXISTING METAL LOCKERS, REFER TO "A" SERIES DRAWINGS FOR CLARIFICATION.
9	RESINOUS FLOORING WITH CUSTOM RSF-1a & RSF-1b.
10	ALIGN FLOORING WITH CMU WALL.
11	10 21 23 - PROVIDE CUBICLE CURTAIN & TRACK. (QTY:3)
12	EXISTING CASEWORK TO REMAIN.
13	PATCH AND REPAIR FINISHES TO MATCH EXISTING ADJACENT FINISHES IN COLOR, SIZE AND FINISH.
14	REFERENCE SHEET 2-HP1J1 FOR FLOOR PATTERN.
15	PAINT ALL STAIR HANDRAILS AND ASSEMBLIES HP-2 (GRAY).
16	REFERENCE SHEET 2-1P1K1 FOR POOL DECK TILE PATTERN.
17	10 14 00 - PROVIDE NEW BUILDING PLAQUE.
18	10 26 00 - PROVIDE FULL HEIGHT AND WIDTH FIBERGLASS REINFORCED PANELS (FRP).
19	09 68 13 - PATCH AND REPAIR EXISTING CARPET TILE TO MATCH EXISTING. PROTECT EXISTING CARPET DURING CONSTRUCTION.
20	09 30 00 - PROVIDE WALL TILE FULL HEIGHT AND WIDTH OF WALL, REF. 1A/1-1601 FOR TYPICAL ELEVATION. PROVIDE FULL HEIGHT METAL EDGE AT OUTSIDE CORNERS.
21	09 30 00 - ALL WALLS TO RECEIVE CWT-1, FULL HEIGHT HORIZONTALLY ON A HALF.
P.2	09 91 23 99 - PAINTING ENTIRE WALL P-2 (GRAY).
P.3	09 91 23 99 - PAINTING ENTIRE WALL P-3 (PURPLE).
P.4	09 91 23 99 - PAINTING ENTIRE WALL P-4 (BLUE).

**Interior General Notes**

Reference A-001 for general plan notes. All notes may not apply to this sheet.

A. Furniture is not provided in this contract. Layouts and final design will need to be determined by the owner.

B. Reference architectural ceilings plans for ceiling heights and bulkhead color designations. Paint all bulkheads P-1 unless specifically noted otherwise. Bulkheads that are flush with walls provide color to match adjacent wall color.

C. Paint all new and existing interior hollow metal door frames and all stair assembly HP-2 in the areas of the building that have work.

D. Paint general walls HP-1 or P-1 (Neutral) unless specifically noted otherwise.

E. Appliances and vending equipment are not provided in this contract.

F. Do not install vinyl wall base on interior brick unless specifically noted otherwise. Provide a caulk joint at floor level.

G. Provide vinyl wall base around all casework unless specifically noted otherwise.

H. Do not paint over any exposed brick unless already previously painted.

I. New CMU walls in restrooms to not have bullnose outside corners to accept ceramic wall tile and outside metal edging.



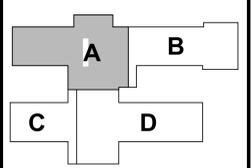
Project No. 2022-086.TGR  
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#	Revision	Date
A2	Addendum #2	09.19.2023

4223 W 350 N  
 Kokomo, IN 46901



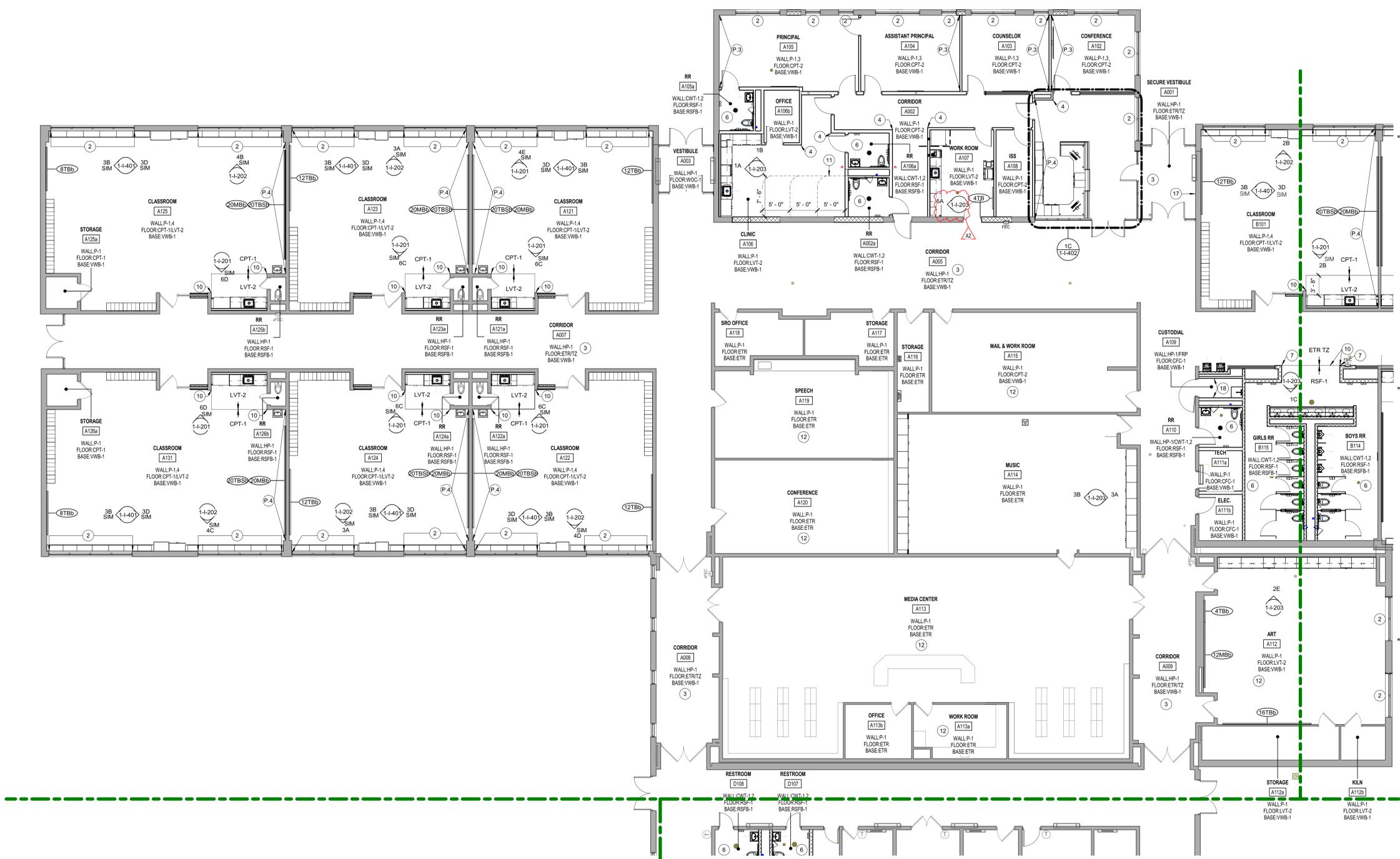
**NORTHWESTERN SCHOOL CORPORATION**



**NORTHWESTERN ELEMENTARY SCHOOL**

FIRST FLOOR INTERIOR FINISH PLAN - UNIT A

1-IN1A1



6

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4

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2

1

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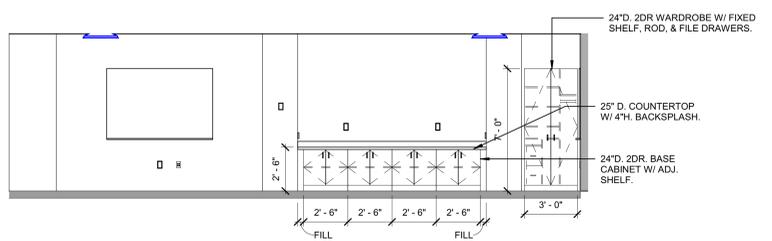


Project No. 2022-086.TGR  
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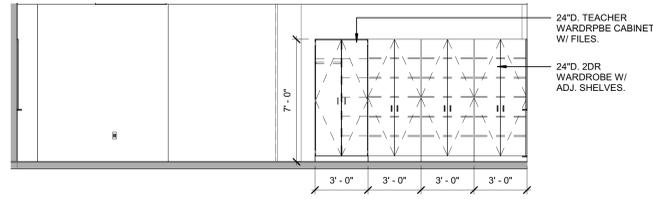


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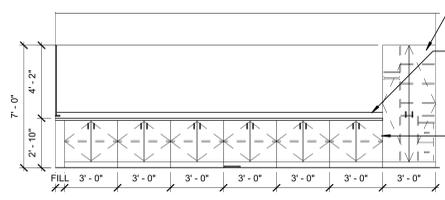
#	Revision	Date
A2	Addendum #2	09.19.2023



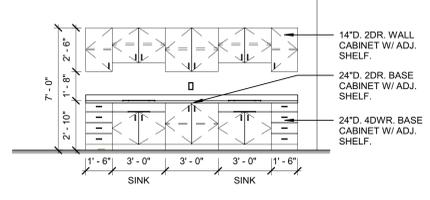
6E HEALTH B108 - ELEVATION 1  
1/4" = 1'-0"



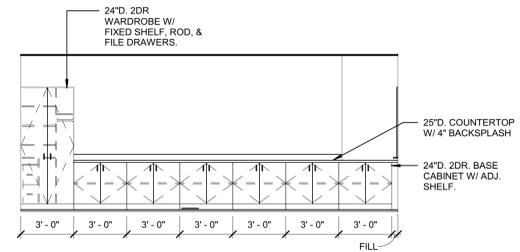
3E SPEC. ED. E123 - ELEVATION 1  
1/4" = 1'-0"



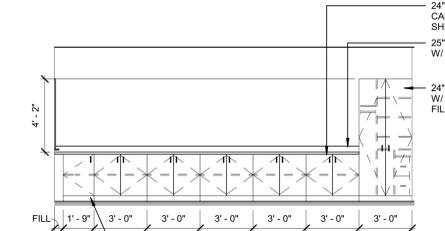
6D CLASSROOM L121 - ELEVATION 2  
1/4" = 1'-0"



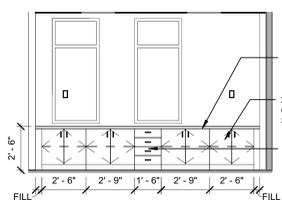
4D HEALTH B108 - ELEVATION 2  
1/4" = 1'-0"



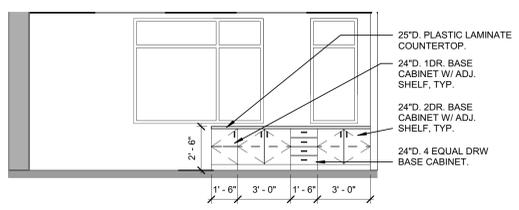
3D CLASSROOM L118 - ELEVATION 2  
1/4" = 1'-0"



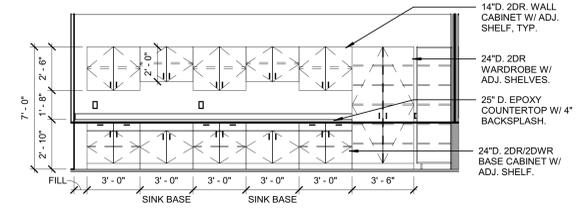
6C CLASSROOM L119 - ELEVATION 1  
1/4" = 1'-0"



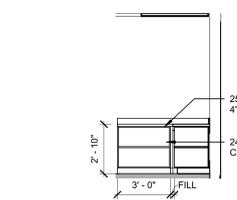
5C HS CONFERENCE - ELEVATION 2  
1/4" = 1'-0"



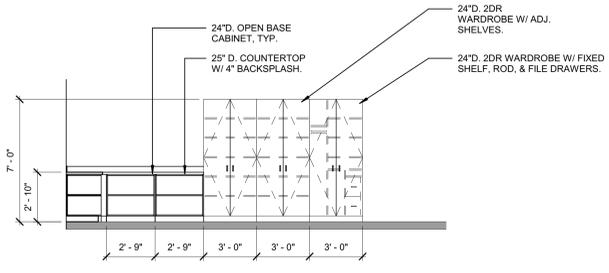
3C HS CONFERENCE - ELEVATION 1  
1/4" = 1'-0"



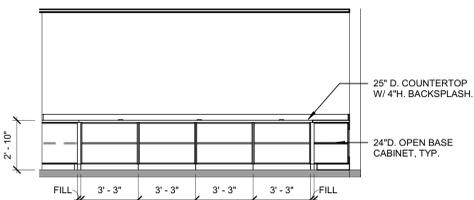
1C MS ART - ELEVATION 3  
1/4" = 1'-0"



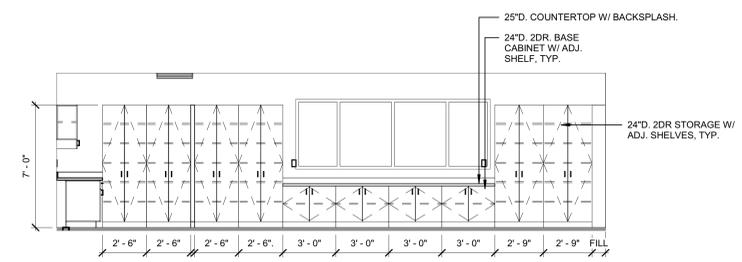
6B COMPUTER SCIENCE/ROBOTICS - ELEVATION 3  
1/4" = 1'-0"



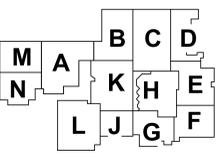
5B COMPUTER SCIENCE/ROBOTICS - ELEVATION 2  
1/4" = 1'-0"



3B COMPUTER SCIENCE/ROBOTICS - ELEVATION 1  
1/4" = 1'-0"



1B MS ART - ELEVATION 2  
1/4" = 1'-0"



KEY PLAN

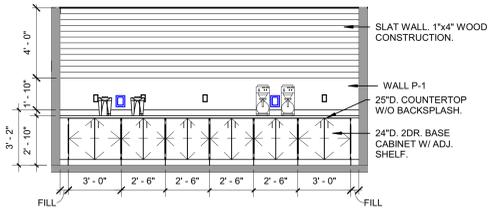
NORTHWESTERN SCHOOL CORPORATION



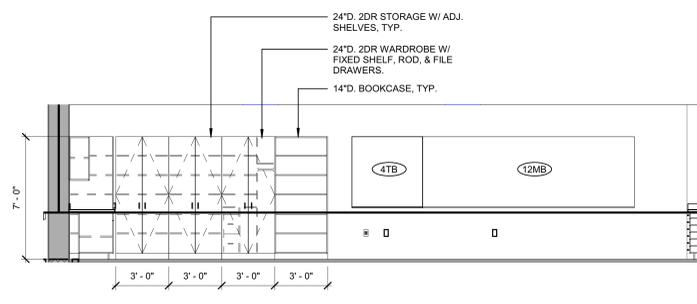
NORTHWESTERN HIGH SCHOOL / MIDDLE SCHOOL

INTERIOR CASEWORK ELEVATIONS

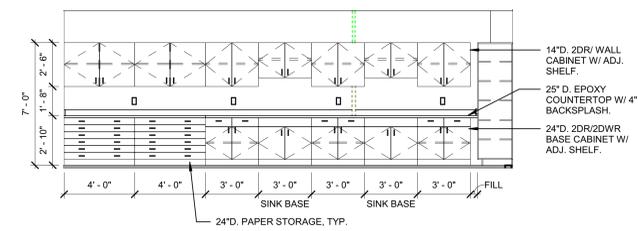
2-I-204



5A COFFEE SHOP H104a - ELEVATION  
1/4" = 1'-0"



3A MS ART - ELEVATION 4  
1/4" = 1'-0"



1A MS ART - ELEVATION 1  
1/4" = 1'-0"

2024 © SCHMIDT ASSOCIATES  
 415 MASSACHUSETTS AVENUE, INDIANAPOLIS, IN 46204  
 TEL: 317.644.1111 FAX: 317.644.1112  
 WWW.SCHMIDT-ARCH.COM

6 5 4 3 2 1

**Interior Floor Pattern Notes**  
 Reference A-001 for general plan notes. All notes may not apply to this sheet.  
 A. Reference specification section 01 23 00 "Alternates" for related flooring alternates.  
 B. Coordinate all expansion joints and flooring transitions as they relate to the floor pattern shown.  
 C. Transition between flooring materials to occur under centerline of door in closed position.



**SCHMIDT ASSOCIATES**  
 415 Massachusetts Avenue  
 Indianapolis, IN 46204  
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Project No. 2022-086.TGR  
 Project Date 08.29.2023  
 Produced ABM



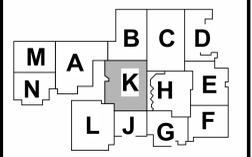
*Sarah K. Hempstead*  
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**FLOOR PATTERN PLAN NOTES**

#	NOTE
1	NO NEW INTERIOR SCOPE.
2	LVT DIRECTION: MATCH MIS MEDIA CENTER/MAKER SPACE.
3	ALIGN FLOORING WITH WALL.
4	09 30 00 - PROVIDE PMT-1 AROUND ENTIRE DIVING BOARD BASE. PROVIDE PMT AT SAME LOCATION AS EXISTING TILE.
5	EXISTING POOL TANK TO REMAIN.
6	CONTINUE FLOOR PATTERN AND LANE NUMBERS.
7	CONTINUE FLOOR PATTERN AROUND ENTIRE POOL.

#	Revision	Date
A2	Addendum #2	09.19.2023

3431 N 400 W  
 Kokomo IN , 46901



KEY PLAN

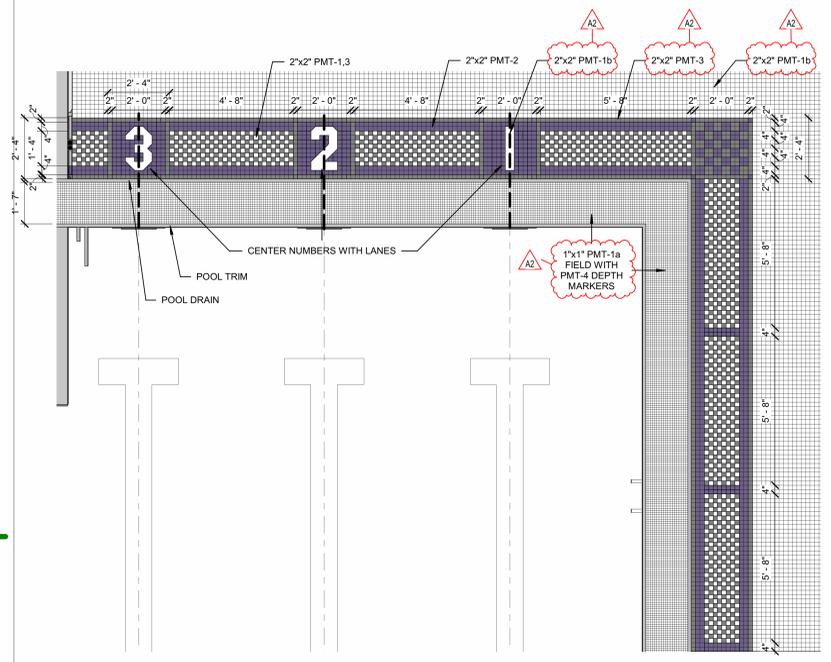
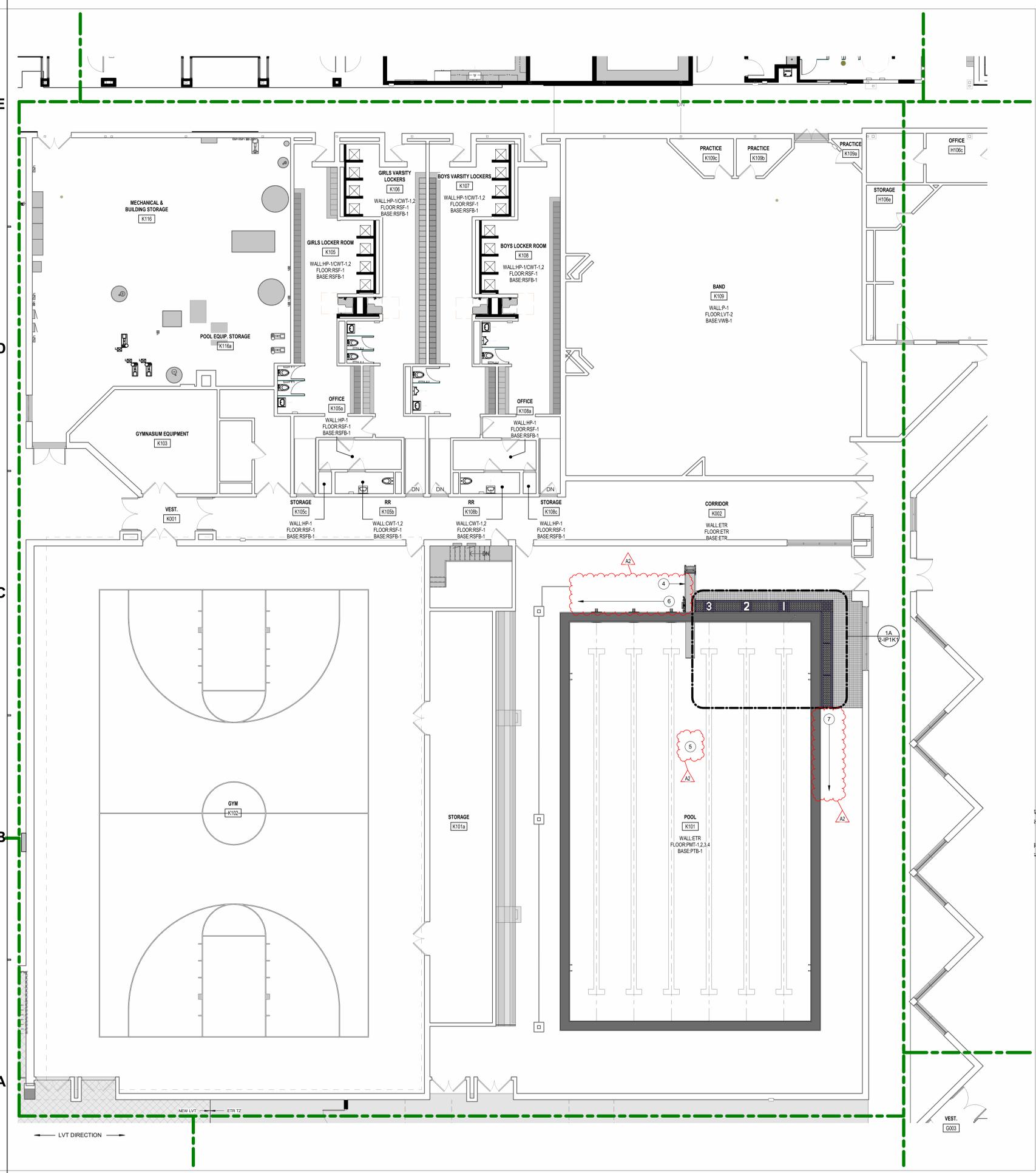
**NORTHWESTERN SCHOOL CORPORATION**



**NORTHWESTERN HIGH SCHOOL / MIDDLE SCHOOL**

FIRST FLOOR PATTERN PLAN - UNIT K

2-IP1K1



**3A H - FIRST FLOOR PATTERN PLAN - UNIT K**  
 1/8" = 1'-0"

**1A ENLARGED POOL DECK PATTERN**  
 3/8" = 1'-0"

6 5 4 3 2 1



6 5 4 3 2 1

E D C B A

6 5 4 3 2 1

**GENERAL DEMOLITION NOTES**

A. DARK DASHED LINES INDICATE EXISTING MECHANICAL EQUIPMENT, DUCTWORK, PIPING, AND/OR MECHANICAL ACCESSORIES AND ALL ASSOCIATED HANGERS/SUPPORTS AND ELECTRICAL/CONTROLS WIRING DEMOLISHED COMPLETE. CONTRACTOR TO FIELD VERIFY ACTUAL EXISTING CONDITIONS PRIOR TO BIDDING AND DEMOLITION. CONTRACTOR TO INCLUDE ALL COST TO REMOVE ITEMS MADE OBSOLETE DUE TO NEW HVAC WORK INCLUDING ELECTRICAL/CONTROLS WIRING AND HANGERS/SUPPORTS.

B. CONTRACTOR GIVES OWNER FIRST RIGHTS OF REFUSAL ON ANY EXISTING EQUIPMENT, MATERIALS, AND REFRIGERANTS THE OWNER MAY WANT TO KEEP. IF OWNER DECIDES SAID ITEM IS TO BE REMOVED, THEN CONTRACTOR IS TO REMOVE FROM PROJECT SITE AS REQUIRED.

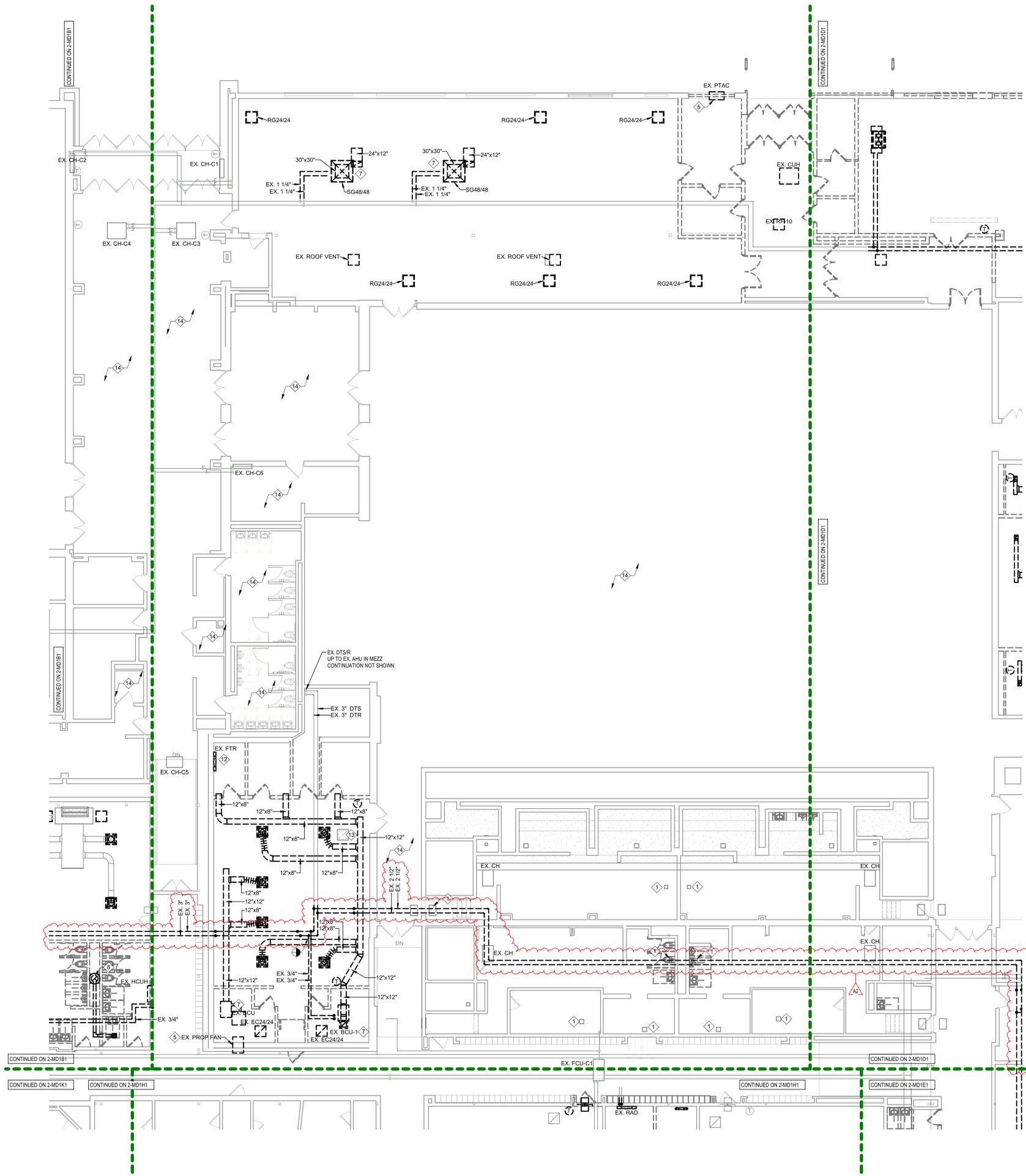
C. ALL R-22 REFRIGERANT SHALL BE COLLECTED AND TURNED OVER TO OWNER.

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

E. PLAN NOTES TO APPLY TO VOLUME 1 AND VOLUME 2. NOT ALL NOTES APPLY TO THIS VOLUME.

**DEMOLITION COMBINED PLAN NOTES**

#	NOTE
1	EXISTING DIFFUSER OR GRILLE SHALL BE SUSPENDED FROM STRUCTURE FOR PREPARATION OF CEILING REMOVAL. IF THE DEVICE CANNOT BE SUSPENDED FROM STRUCTURE, DEVICE SHALL BE REMOVED ENTIRELY AND STORED UNTIL DEMOLITION IS COMPLETE. GENERAL CONTRACTOR TO COORDINATE TRANSMITTAL OF DEVICES FROM DEMOLITION CONTRACTOR TO MECHANICAL CONTRACTOR AT COMPLETION OF DEMOLITION.
2	REMOVE EXISTING ELEMENTARY SCHOOL RTU SYSTEM INCLUDING DUCTWORK, DUCT COIL, DIFFUSERS, HANGERS/SUPPORTS, AND ELECTRICAL/CONTROLS WIRING COMPLETELY.
3	COORDINATE WITH GENERAL TRADES FOR PATCHING OF EIFS BULKHEAD.
4	REFER TO ELEMENTARY UNIT A (1-MD1A1) FOR TYPICAL CLASSROOM CEILING REPLACEMENT SCOPE.
5	COORDINATE WITH GENERAL TRADES TO PATCH WALL PENETRATION AFTER REMOVAL OF MECHANICAL EQUIPMENT.
6	REMOVE PORTION OF ROUND STAINLESS DISHWASHER EXHAUST DUCTWORK IN PREPARATION FOR NEW DISHWASHER LOCATION.
7	REMOVE EXISTING MECHANICAL SYSTEM WITH OUTDOOR AIR INTAKE COMPLETELY. CAP O.A. INTAKE DUCT JUST BELOW STRUCTURE WITH INSULATED CAP. REMOVE BRANCH PIPING BACK TO MAINS AND CAP.
8	REMOVE EXISTING ROOF HOOD OR EXHAUST FAN SYSTEM COMPLETELY. CAP DUCT JUST BELOW STRUCTURE WITH INSULATED CAP. REMOVE ASSOCIATED DUCTWORK AND GRILLES.
9	REMOVE EXISTING DUST COLLECTION SYSTEM COMPLETELY.
10	FIELD VERIFY AND REMOVE ALL MECHANICAL SYSTEMS SERVING THIS SPACE.
11	DISCONNECT, REMOVE, AND PROTECT EXISTING CABINET HEATER IN PREPARATION FOR INSTALLATION IN NEW CEILING.
12	REMOVE EXISTING RADIANT HEATING ELEMENT AND ASSOCIATED BRANCH PIPING BACK TO MAINS AND CAP.
13	EXISTING RELIEF DUCT, DAMPER, CONTROLS, AND ASSOCIATED ROOF HOOD TO REMAIN.
14	EXISTING TO REMAIN.
15	DISCONNECT VERTICAL UNIT VENTILATOR PIPING, DUCTWORK, ELECTRICAL/CONTROLS WIRING TEMPORARILY. REMOVE, PROTECT, AND CLEAN WUV IN PREPARATION FOR REINSTALLATION AFTER CURTAINWALL REPLACEMENT.
16	REFER TO SA-242/IG2 FOR TYPICAL UNIT FIG CURTAINWALL REPLACEMENT DEMOLITION SCOPE. SCOPE IS IDENTICAL UNLESS NOTED OTHERWISE.
17	EXISTING DTS/DTR AND CD UP TO VUV ON SECOND FLOOR. CD IS ROUTED THROUGH FIRST FLOOR VUV AND JOINING TOGETHER BEFORE EXITING BUILDING.
18	REMOVE EXISTING GAS-FIRED, DN FURNACE AND ALL ASSOCIATED DUCTWORK, PIPING, ELECTRICAL/CONTROLS WIRING, CONDENSING UNIT, AND CONCRETE PADS COMPLETELY. COORDINATE WITH GENERAL TRADES FOR PATCHING OF EXTERIOR WALL PIPING/DUCT PENETRATIONS.
19	EXISTING DUCT UP TO ROOF. CONTINUED ON 2-MD101.
20	REMOVE DRYER VENT UP THROUGH ROOF. PACK ROOF PENETRATION WITH INSULATION AND CAP WATERTIGHT BOTH UNDER DECK AND ON ROOF. REFER TO 2-MD101.
21	REMOVE EXHAUST SYSTEM BACK TO RISER IN PREPARATION FOR NEW EXHAUST SYSTEM UTILIZING EXISTING ROOF PENETRATION. CONTINUED ON 2-MD101.
22	REMOVE EXISTING EXHAUST SYSTEM TO ROOF DECK IN PREPARATION FOR REUSE OF ROOF PENETRATION.
23	FIELD VERIFY LOCATION OF EXISTING STAT AND RELOCATE AS NECESSARY TO ACCOMMODATE ARCHITECTURAL MODIFICATIONS.
24	FIELD VERIFY EXACT LAYOUT AND REMOVE EXISTING MDF ROOM RTU SYSTEM INCLUDING DUCTWORK, DIFFUSERS/GRILLES, HANGERS/SUPPORTS, AND ELECTRICAL/CONTROLS WIRING COMPLETELY.

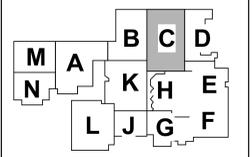


Project No. 2022-086.TGR  
 Project Date 08.29.2023  
 Produced AJE / NAS



#	Revision	Date
A2	ADDENDUM #2	09.19.2023

3431 N 400 W  
 Kokomo IN, 46901



KEY PLAN

NORTHWESTERN SCHOOL CORPORATION



NORTHWESTERN HIGH SCHOOL / MIDDLE SCHOOL

FIRST FLOOR DEMOLITION PLAN - UNIT C

2-MD1C1

3A HS - FIRST FLOOR MECHANICAL DEMOLITION PLAN - UNIT C  
 1/8" = 1'-0"

240011 - FIRST FLOOR MECHANICAL DEMOLITION PLAN - UNIT C  
 DESIGNED BY: JAMES W. HARRIS, P.E., ARCHITECT  
 DRAWN BY: JAMES W. HARRIS, P.E., ARCHITECT  
 CHECKED BY: JAMES W. HARRIS, P.E., ARCHITECT  
 DATE: 08/29/2023

6 5 4 3 2 1

E D C B A

**GENERAL DEMOLITION NOTES**

A. DARK DASHED LINES INDICATE EXISTING MECHANICAL EQUIPMENT, DUCTWORK, PIPING, AND/OR MECHANICAL ACCESSORIES AND ALL ASSOCIATED HANGERS/SUPPORTS AND ELECTRICAL/CONTROLS WIRING DEMOLISHED COMPLETE. CONTRACTOR TO FIELD VERIFY ACTUAL EXISTING CONDITIONS PRIOR TO BIDDING AND DEMOLITION. CONTRACTOR TO INCLUDE ALL COST TO REMOVE ITEMS MADE OBSOLETE DUE TO NEW HVAC WORK INCLUDING ELECTRICAL/CONTROLS WIRING AND HANGERS/SUPPORTS.

B. CONTRACTOR GIVES OWNER FIRST RIGHTS OF REFUSAL ON ANY EXISTING EQUIPMENT, MATERIALS, AND REFRIGERANTS THE OWNER MAY WANT TO KEEP. IF OWNER DECIDES SAID ITEM IS TO BE REMOVED, THEN CONTRACTOR IS TO REMOVE FROM PROJECT SITE AS REQUIRED.

C. ALL R-22 REFRIGERANT SHALL BE COLLECTED AND TURNED OVER TO OWNER.

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

D. PLAN NOTES TO APPLY TO VOLUME 1 AND VOLUME 2. NOT ALL NOTES APPLY TO THIS VOLUME.



**SCHMIDT ASSOCIATES**  
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Project No. 2022-086.TGR  
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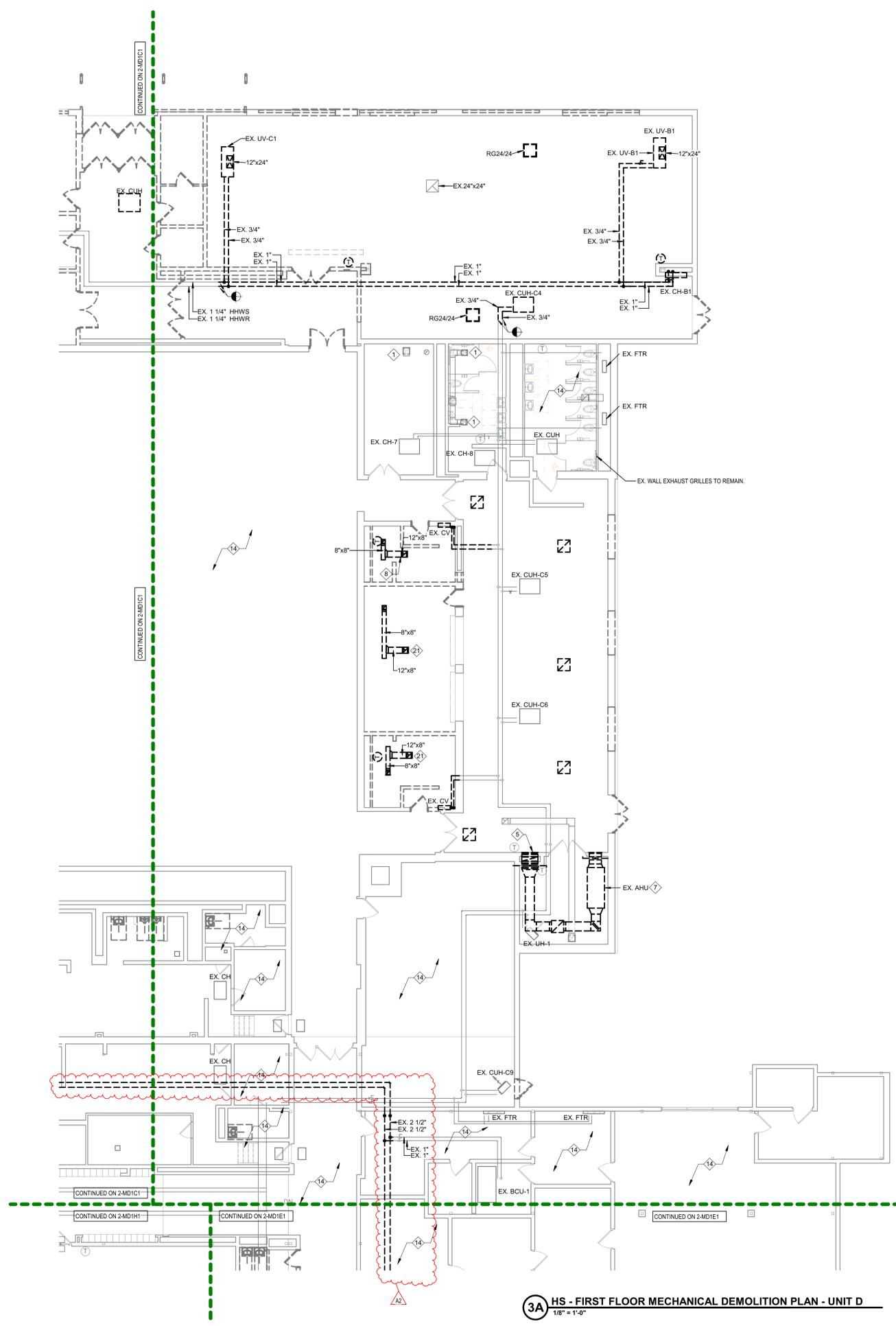


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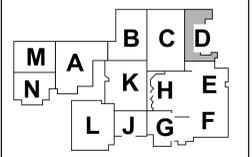
**DEMOLITION COMBINED PLAN NOTES**

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3	COORDINATE WITH GENERAL TRADES FOR PATCHING OF EIFS BULKHEAD.
4	REFER TO ELEMENTARY UNIT A (4-MD1A1) FOR TYPICAL CLASSROOM CEILING REPLACEMENT SCOPE.
5	COORDINATE WITH GENERAL TRADES TO PATCH WALL PENETRATION AFTER REMOVAL OF MECHANICAL EQUIPMENT.
6	REMOVE PORTION OF ROUND STAINLESS DISHMACHINE EXHAUST DUCTWORK IN PREPARATION FOR NEW DISHMACHINE LOCATION.
7	REMOVE EXISTING MECHANICAL SYSTEM WITH OUTDOOR AIR INTAKE COMPLETELY. CAP O.A. INTAKE DUCT JUST BELOW STRUCTURE WITH INSULATED CAP. REMOVE BRANCH PIPING BACK TO MAINS AND CAP.
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9	REMOVE EXISTING DUST COLLECTION SYSTEM COMPLETELY.
10	FIELD VERIFY AND REMOVE ALL MECHANICAL SYSTEMS SERVING THIS SPACE.
11	DISCONNECT, REMOVE, AND PROTECT EXISTING CABINET HEATER IN PREPARATION FOR INSTALLATION IN NEW CEILING.
12	REMOVE EXISTING RADIANT HEATING ELEMENT AND ASSOCIATED BRANCH PIPING BACK TO MAINS AND CAP.
13	EXISTING RELIEF DUCT, DAMPER, CONTROLS, AND ASSOCIATED ROOF HOOD TO REMAIN.
14	EXISTING TO REMAIN.
15	DISCONNECT VERTICAL UNIT VENTILATOR PIPING, DUCTWORK, ELECTRICAL/CONTROLS WIRING TEMPORARILY. REMOVE, PROTECT, AND CLEAN VUV IN PREPARATION FOR REINSTALLATION AFTER CURTAINWALL REPLACEMENT.
16	REFER TO SA2-MD1G2 FOR TYPICAL UNIT FIG CURTAINWALL REPLACEMENT DEMOLITION SCOPE. SCOPE IS IDENTICAL UNLESS NOTED OTHERWISE.
17	EXISTING DTS/STR AND CD UP TO VUV ON SECOND FLOOR. CD IS ROUTED THROUGH FIRST FLOOR VUV AND JOINING TOGETHER BEFORE EXITING BUILDING.
18	REMOVE EXISTING GAS-FIRED, DX FURNACE AND ALL ASSOCIATED DUCTWORK, PIPING, ELECTRICAL/CONTROLS WIRING, CONDENSING UNIT, AND CONCRETE PADS COMPLETELY. COORDINATE WITH GENERAL TRADES FOR PATCHING OF EXTERIOR WALL PIPING/DUCT PENETRATIONS.
19	EXISTING DUCT UP TO ROOF. CONTINUED ON 2-MDR101.
20	REMOVE DRYER VENT UP THROUGH ROOF. PACK ROOF PENETRATION WITH INSULATION AND CAP WATER/TIGHT BOTH UNDER DECK AND ON ROOF. REFER TO 2-MDR101.
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#	Revision	Date
A2	ADDENDUM #2	09.19.2023



3431 N 400 W  
Kokomo IN , 46901



KEY PLAN

**NORTHWESTERN SCHOOL CORPORATION**



NORTHWESTERN HIGH SCHOOL / MIDDLE SCHOOL

FIRST FLOOR  
DEMOLITION PLAN - UNIT D  
2-MD1D1

**3A HS - FIRST FLOOR MECHANICAL DEMOLITION PLAN - UNIT D**  
1/8" = 1'-0"

6 5 4 3 2 1

DATE: 08/29/2023 10:00 AM  
DRAWN BY: JAE  
CHECKED BY: JAE  
PROJECT: 2022-086.TGR  
SHEET: 3A

6

5

4

3

2

1

### GENERAL DEMOLITION NOTES

- A. DARK DASHED LINES INDICATE EXISTING MECHANICAL EQUIPMENT, DUCTWORK, PIPING, AND/OR MECHANICAL ACCESSORIES AND ALL ASSOCIATED HANGERS/SUPPORTS AND ELECTRICAL/CONTROLS WIRING DEMOLISHED COMPLETELY. CONTRACTOR TO FIELD VERIFY ACTUAL EXISTING CONDITIONS PRIOR TO BIDDING AND DEMOLITION. CONTRACTOR TO INCLUDE ALL COST TO REMOVE ITEMS MADE OBSOLETE DUE TO NEW HVAC WORK, INCLUDING ELECTRICAL/CONTROLS WIRING AND HANGERS/SUPPORTS.
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  - a. ALL R-2 REFRIGERANT SHALL BE COLLECTED AND TURNED OVER TO OWNER.
- C. LIGHT SOLID LINES INDICATE EXISTING MECHANICAL EQUIPMENT, DUCTWORK, PIPING, AND/OR MECHANICAL ACCESSORIES TO REMAIN AS-IS. CONTRACTOR TO FIELD VERIFY ACTUAL EXISTING CONDITIONS PRIOR TO DEMOLITION AND BIDDING.
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3	COORDINATE WITH GENERAL TRADES FOR PATCHING OF EIFS BULKHEAD.
4	REFER TO ELEMENTARY UNIT A (1MD1A1) FOR TYPICAL CLASSROOM CEILING REPLACEMENT SCOPE.
5	COORDINATE WITH GENERAL TRADES TO PATCH WALL PENETRATION AFTER REMOVAL OF MECHANICAL EQUIPMENT.
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16	REFER TO SA2-MD1G2 FOR TYPICAL UNIT FIG CURTAINWALL REPLACEMENT DEMOLITION SCOPE. SCOPE IS IDENTICAL UNLESS NOTED OTHERWISE.
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19	EXISTING DUCT UP TO ROOF. CONTINUED ON 2-MD101.
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22	REMOVE EXISTING EXHAUST SYSTEM TO ROOF DECK IN PREPARATION FOR REUSE OF ROOF PENETRATION.
23	FIELD VERIFY LOCATION OF EXISTING STAT AND RELOCATE AS NECESSARY TO ACCOMMODATE ARCHITECTURAL MODIFICATIONS.
24	FIELD VERIFY EXACT LAYOUT AND REMOVE EXISTING MDF ROOM RTU SYSTEM INCLUDING DUCTWORK, DIFFUSERS/GRILLES, HANGERS/SUPPORTS, AND ELECTRICAL/CONTROLS WIRING COMPLETELY.



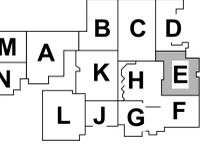
Project No. 2022-086.TGR  
 Project Date 08.29.2023  
 Produced AJE / NAS



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#	Revision	Date
A2	ADDENDUM #2	09.19.2023

3431 N 400 W  
 Kokomo IN, 46901



### KEY PLAN

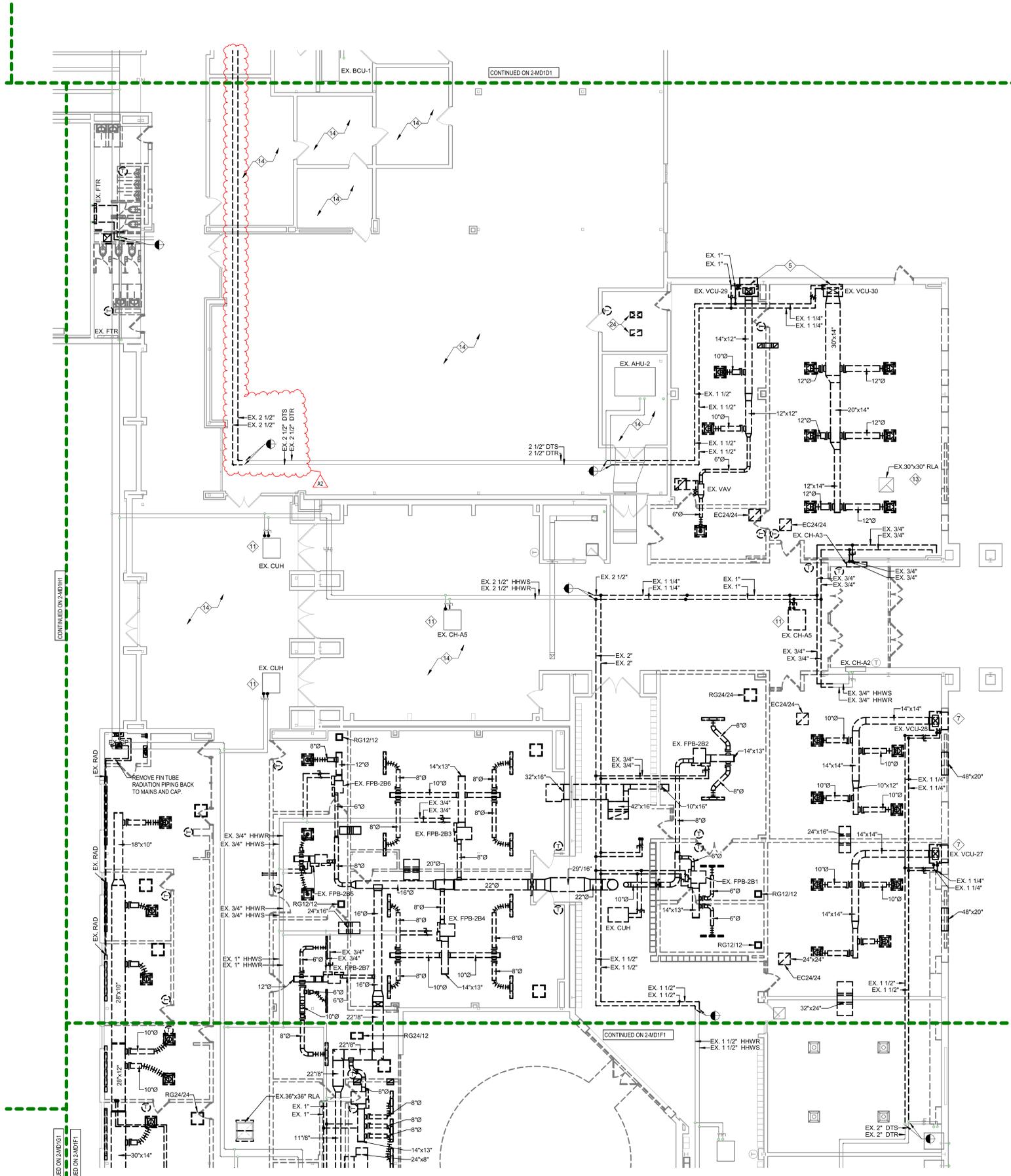
NORTHWESTERN SCHOOL CORPORATION



NORTHWESTERN HIGH SCHOOL / MIDDLE SCHOOL

FIRST FLOOR DEMOLITION PLAN - UNIT E

2-MD1E1



3A HS - FIRST FLOOR MECHANICAL DEMOLITION PLAN - UNIT E  
 1/8" = 1'-0"

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1. NORTHWESTERN SCHOOL CORPORATION  
 2. ARCHITECTURAL MODIFICATIONS  
 3. DEMOLITION PLAN  
 4. PROJECT NO. 2022-086.TGR  
 5. DATE 08.29.2023  
 6. SHEET 24 OF 24





6 5 4 3 2 1

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**GENERAL PIPING NOTES**

A. DARK LINES INDICATE NEW WORK.

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

C. PLAN NOTES TO APPLY TO VOLUME 1 AND VOLUME 2. NOT ALL NOTES APPLY TO THIS VOLUME.

D. PROVIDE SHUTOFF VALVES AT EVERY NEW BRANCH CONNECTION TO A MAIN.

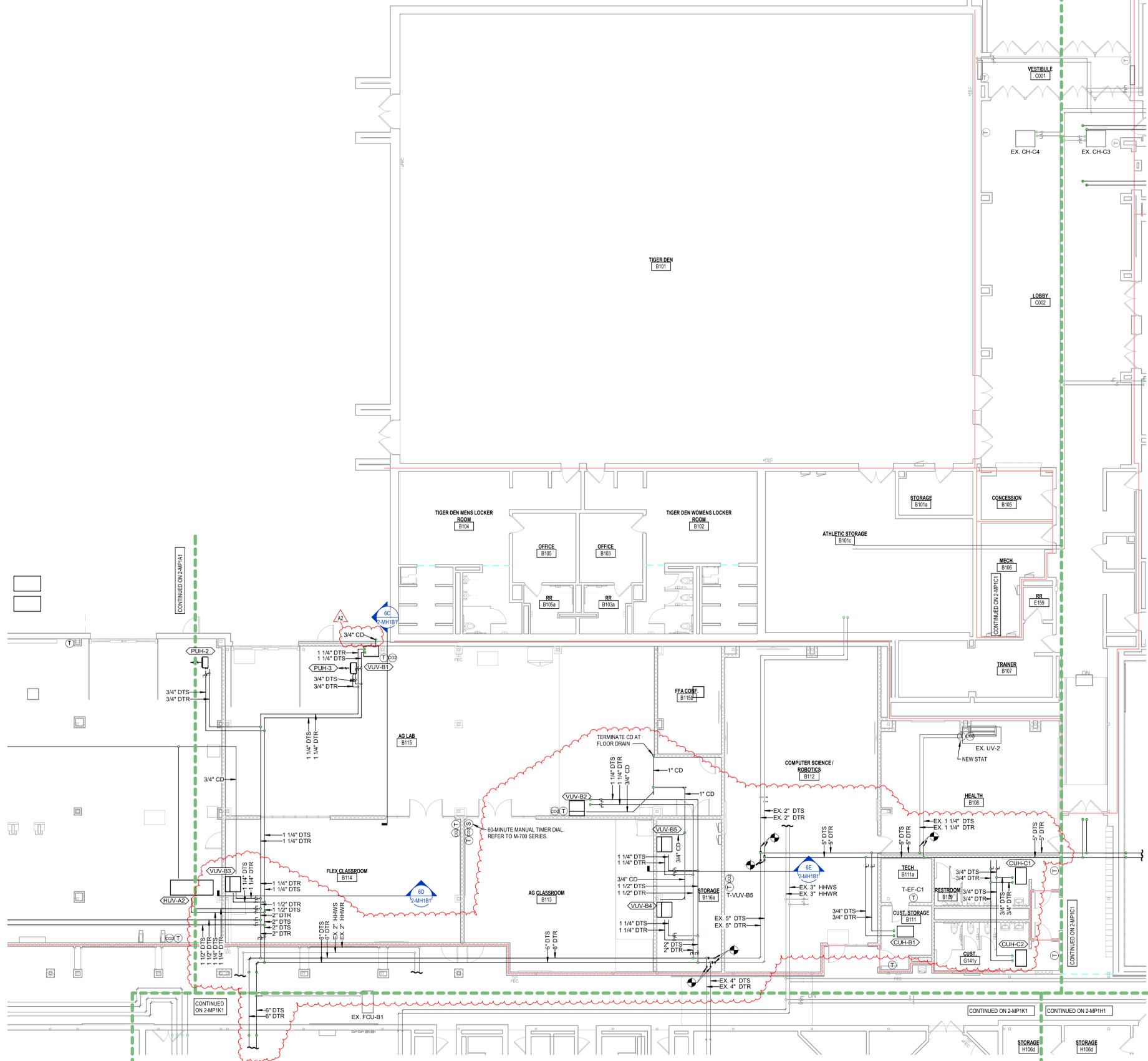
E. REVIEW ARCHITECTURAL DRAWINGS FOR FIRE RATED WALLS AND FIRE SEAL ALL PIPING PENETRATIONS THROUGH SUCH WALLS PER DETAIL 341-M-502 OR 222-M-606.

F. REFER TO M-700 SERIES SHEETS FOR EXACT ROOM SENSOR REQUIREMENTS.

G. BRANCH PIPING TO EQUIPMENT IS 3/4" UNLESS NOTED OTHERWISE.

**MECHANICAL PIPING PLAN NOTES**

#	NOTE
1	EXISTING TO REMAIN.
2	REFRIGERANT PIPING SUGGESTED ROUTING IS SHOWN. FIELD VERIFY MOST EFFICIENT ROUTING. PIPING SHALL BE SIZED BY SPLIT SYSTEM MANUFACTURER. SUPPORT PIPING PER MANUFACTURER'S REQUIREMENTS TO PREVENT SAGGING.
3	HYDRONIC CABINET UNIT HEATER PIPED AND INSTALLED PER DETAIL 4A1-M-501 OR 1A2-M-507.
4	REFER TO M-700 SERIES DRAWINGS FOR SPLIT SYSTEM TEMPERATURE CONTROLS INFORMATION.
5	PIPING IN GYMNASIUM SPACE ROUTED TIGHT TO WALLS AND ABOVE BOTTOM OF JOISTS. PAINT TO MATCH ADJACENT WALL AND CEILING COLOR.
7	COPPER CONDENSATE DRAIN ROUTED TO +6" ABOVE MOP SINK. IF CONDENSATE PUMP IS INDICATED ON SCHEDULE, ROUTE PLASTIC TUBING NO MORE THAN 8' BEFORE TERMINATING INTO COPPER CONDENSATE DRAIN.
8	INSTALL SPLIT SYSTEM HIGH WALL UNIT AT 12" BELOW CEILING.
9	TWO-WAY PUMPED AIR HANDLING UNIT PIPING PER DETAIL 4C1-M-501 OR 2B2-M-507. PUMP LOCATED IN PLENUM. ADDITIONAL COIL PIPING ACCESSORIES MAY BE LOCATED IN AHU PIPE CHASE CABINET.
10	PIPING ROUTED UP TO AHU ON ROOF. COORDINATE LOCATION WITH AHU PIPE CHASE. PIPE CHASE SHALL BE AT LEAST 50% OPEN TO PLENUM FOR FREEZE PROTECTION.
11	REFER TO 5A2-MH1G2 FOR TYPICAL SECOND FLOOR VUV SCOPE ASSOCIATED WITH CURTAINWALL REPLACEMENT.
12	REFER TO 4D2-MH1G1 FOR TYPICAL FIRST FLOOR VUV SCOPE ASSOCIATED WITH CURTAINWALL REPLACEMENT.
13	EXPANSION LOOP PER DETAIL 2E2-M-503.
14	PIPE ANCHORS.



2A HS - FIRST FLOOR PIPING PLAN - UNIT B  
1/8" = 1'-0"

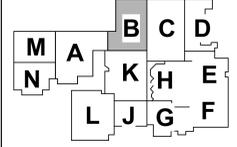


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A2	ADDENDUM #2	09.19.2023

3431 N 400 W  
Kokomo IN, 46901



KEY PLAN

**NORTHWESTERN SCHOOL CORPORATION**



NORTHWESTERN HIGH SCHOOL / MIDDLE SCHOOL

FIRST FLOOR PIPING PLAN - UNIT B

2-MP1B1

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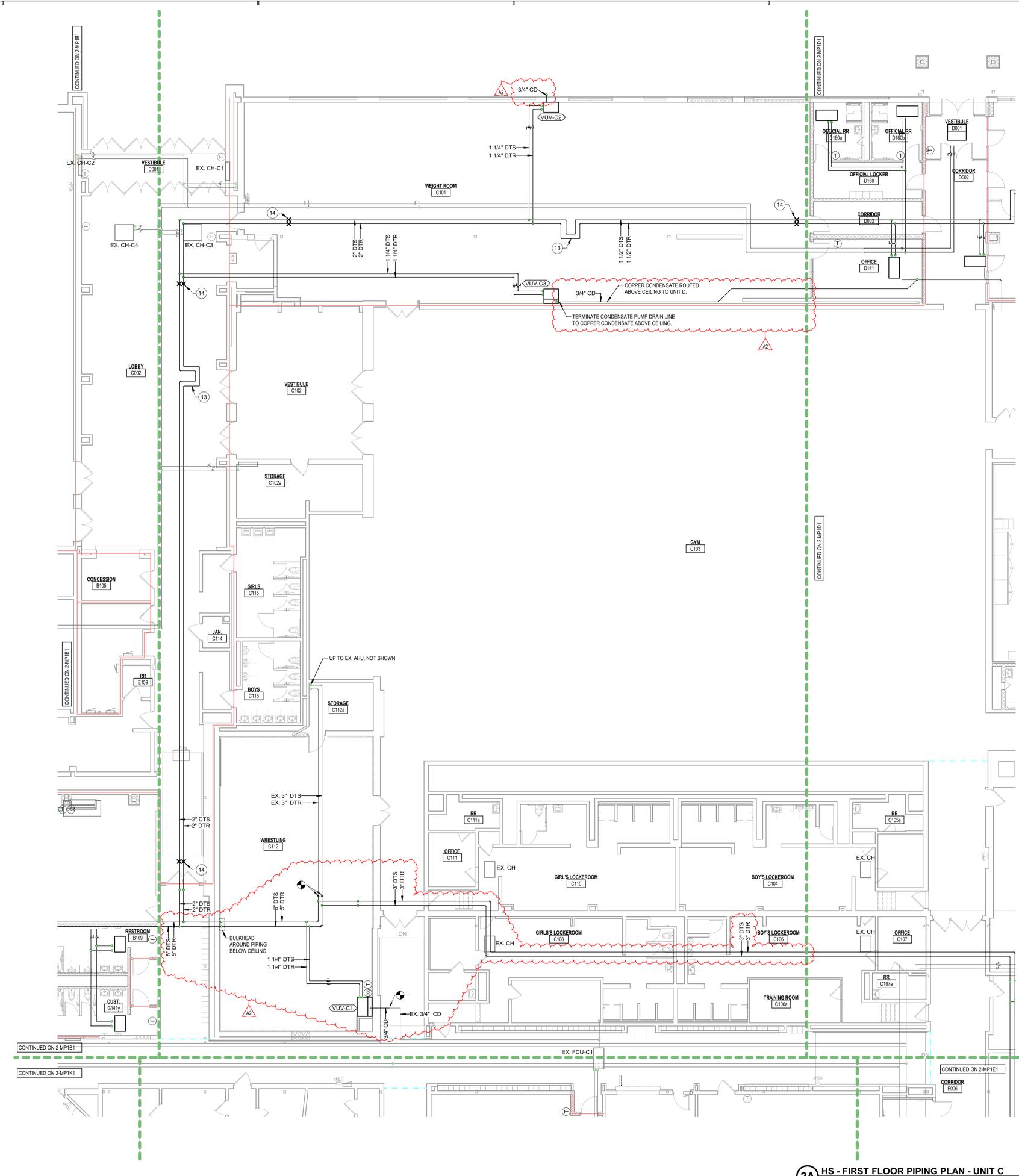
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**GENERAL PIPING NOTES**

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

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4	REFER TO M-700 SERIES DRAWINGS FOR SPLIT SYSTEM TEMPERATURE CONTROLS INFORMATION.
5	PIPING IN GYMNASIUM SPACE ROUTED TIGHT TO WALLS AND ABOVE BOTTOM OF JOISTS. PAINT TO MATCH ADJACENT WALL AND CEILING COLOR.
7	COPPER CONDENSATE DRAIN ROUTED TO +6" ABOVE MOP SINK. IF CONDENSATE PUMP IS INDICATED ON SCHEDULE, ROUTE PLASTIC TUBING NO MORE THAN 8' BEFORE TERMINATING INTO COPPER CONDENSATE DRAIN.
8	INSTALL SPLIT SYSTEM HIGH WALL UNIT AT 12" BELOW CEILING.
9	TWO-WAY PUMPED AIR HANDLING UNIT PIPING PER DETAIL 4C1-M-501 OR 2B2-M-507. PUMP LOCATED IN PLENUM. ADDITIONAL COIL PIPING ACCESSORIES MAY BE LOCATED IN AHU PIPE CHASE CABINET.
10	PIPING ROUTED UP TO AHU ON ROOF. COORDINATE LOCATION WITH AHU PIPE CHASE. PIPE CHASE SHALL BE AT LEAST 50% OPEN TO PLENUM FOR FREEZE PROTECTION.
11	REFER TO SA2-MH1G2 FOR TYPICAL SECOND FLOOR VUV SCOPE ASSOCIATED WITH CURTAINWALL REPLACEMENT.
12	REFER TO 4D2-MH1G1 FOR TYPICAL FIRST FLOOR VUV SCOPE ASSOCIATED WITH CURTAINWALL REPLACEMENT.
13	EXPANSION LOOP PER DETAIL 2E2-M-503.
14	PIPE ANCHORS.

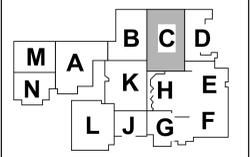


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3431 N 400 W  
 Kokomo IN, 46901



KEY PLAN

NORTHWESTERN SCHOOL CORPORATION



NORTHWESTERN HIGH SCHOOL / MIDDLE SCHOOL

FIRST FLOOR PIPING PLAN - UNIT C

2-MP1C1

2A HS - FIRST FLOOR PIPING PLAN - UNIT C  
 1/8" = 1'-0"

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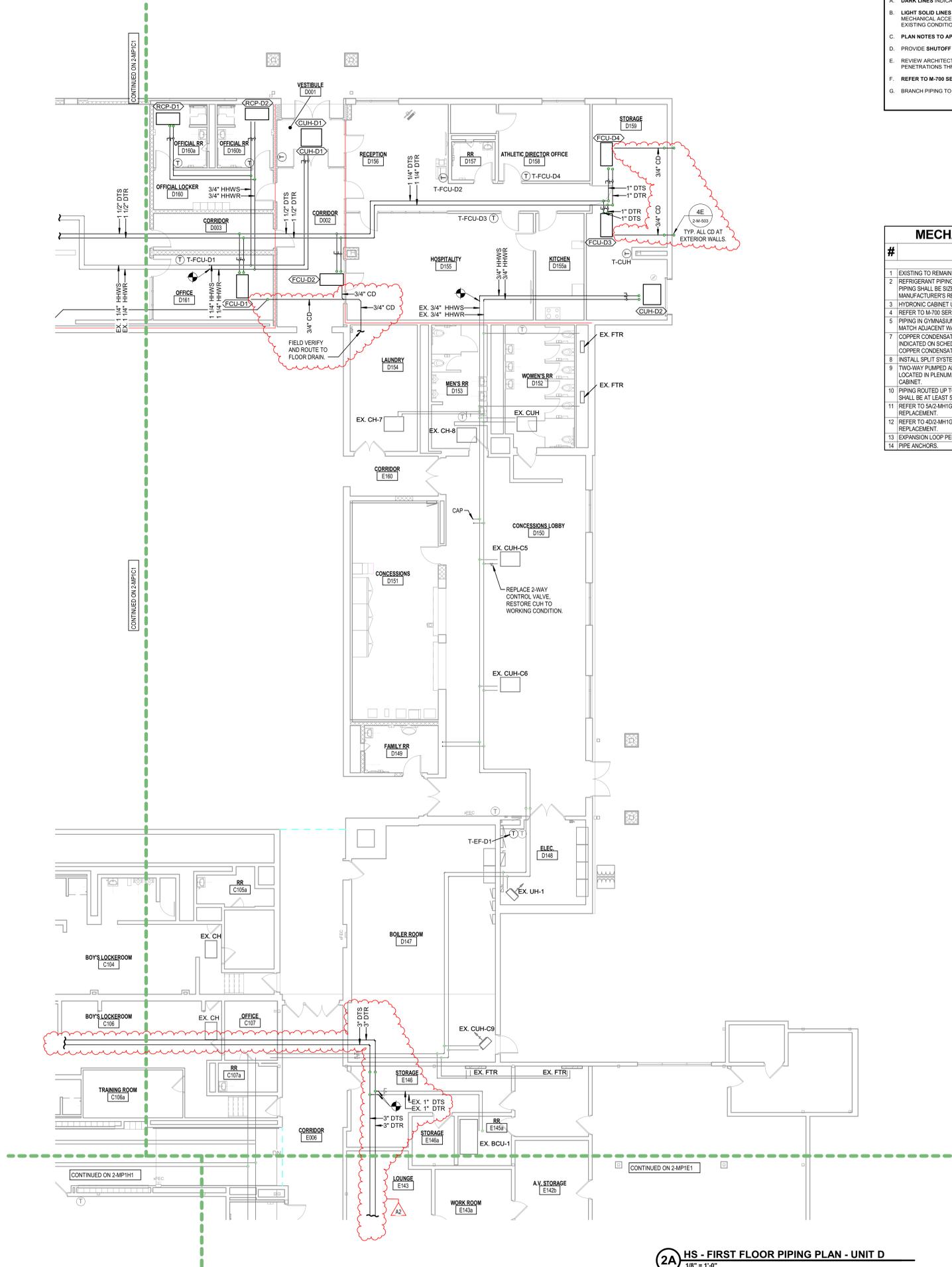
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### MECHANICAL PIPING PLAN NOTES

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8	INSTALL SPLIT SYSTEM HIGH WALL UNIT AT 12" BELOW CEILING.
9	TWO-WAY PUMPED AIR HANDLING UNIT PIPING PER DETAIL 4C1-M-501 OR 2B2-M-507. PUMP LOCATED IN PLENUM. ADDITIONAL COIL PIPING ACCESSORIES MAY BE LOCATED IN AHU PIPE CHASE CABINET.
10	PIPING ROUTED UP TO AHU ON ROOF. COORDINATE LOCATION WITH AHU PIPE CHASE. PIPE CHASE SHALL BE AT LEAST 50% OPEN TO PLENUM FOR FREEZE PROTECTION.
11	REFER TO 5A2-MH1G2 FOR TYPICAL SECOND FLOOR VUV SCOPE ASSOCIATED WITH CURTAINWALL REPLACEMENT.
12	REFER TO 4D2-MH1G1 FOR TYPICAL FIRST FLOOR VUV SCOPE ASSOCIATED WITH CURTAINWALL REPLACEMENT.
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14	PIPE ANCHORS.



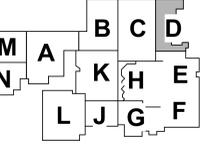
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A2	ADDENDUM #2	09.19.2023

3431 N 400 W  
 Kokomo IN , 46901



KEY PLAN

NORTHWESTERN SCHOOL CORPORATION



NORTHWESTERN HIGH SCHOOL / MIDDLE SCHOOL

FIRST FLOOR PIPING PLAN - UNIT D

2-MP1D1

2A HS - FIRST FLOOR PIPING PLAN - UNIT D  
 1/8" = 1'-0"

6

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6 5 4 3 2 1

**GENERAL PIPING NOTES**

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- REFER TO M-700 SERIES DRAWINGS FOR SPLIT SYSTEM TEMPERATURE CONTROLS INFORMATION.
- PIPING IN GYMNASIUM SPACE, ROUTED TIGHT TO WALLS AND ABOVE BOTTOM OF JOISTS. PAINT TO MATCH ADJACENT WALL AND CEILING COLOR.
- COPPER CONDENSATE DRAIN ROUTED TO +6" ABOVE MOP SINK. IF CONDENSATE PUMP IS INDICATED ON SCHEDULE, ROUTE PLASTIC TUBING NO MORE THAN 5' BEFORE TERMINATING INTO COPPER CONDENSATE DRAIN.
- INSTALL SPLIT SYSTEM HIGH WALL UNIT AT 12" BELOW CEILING.
- TWO-WAY PUMPED AIR HANDLING UNIT PIPING PER DETAIL 4C1-M-501 OR 2B2-M-507. PUMP LOCATED IN PLENUM. ADDITIONAL COIL PIPING ACCESSORIES MAY BE LOCATED IN AHU PIPE CHASE CABINET.
- PIPING ROUTED UP TO AHU ON ROOF. COORDINATE LOCATION WITH AHU PIPE CHASE. PIPE CHASE SHALL BE AT LEAST 50% OPEN TO PLENUM FOR FREEZE PROTECTION.
- REFER TO 5A2-MH1G2 FOR TYPICAL SECOND FLOOR VUV SCOPE ASSOCIATED WITH CURTAINWALL REPLACEMENT.
- REFER TO 4D2-MH1G1 FOR TYPICAL FIRST FLOOR VUV SCOPE ASSOCIATED WITH CURTAINWALL REPLACEMENT.
- EXPANSION LOOP PER DETAIL 2E2-M-503.
- PIPE ANCHORS.



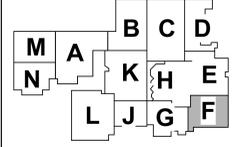
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3431 N 400 W  
 Kokomo IN , 46901



KEY PLAN

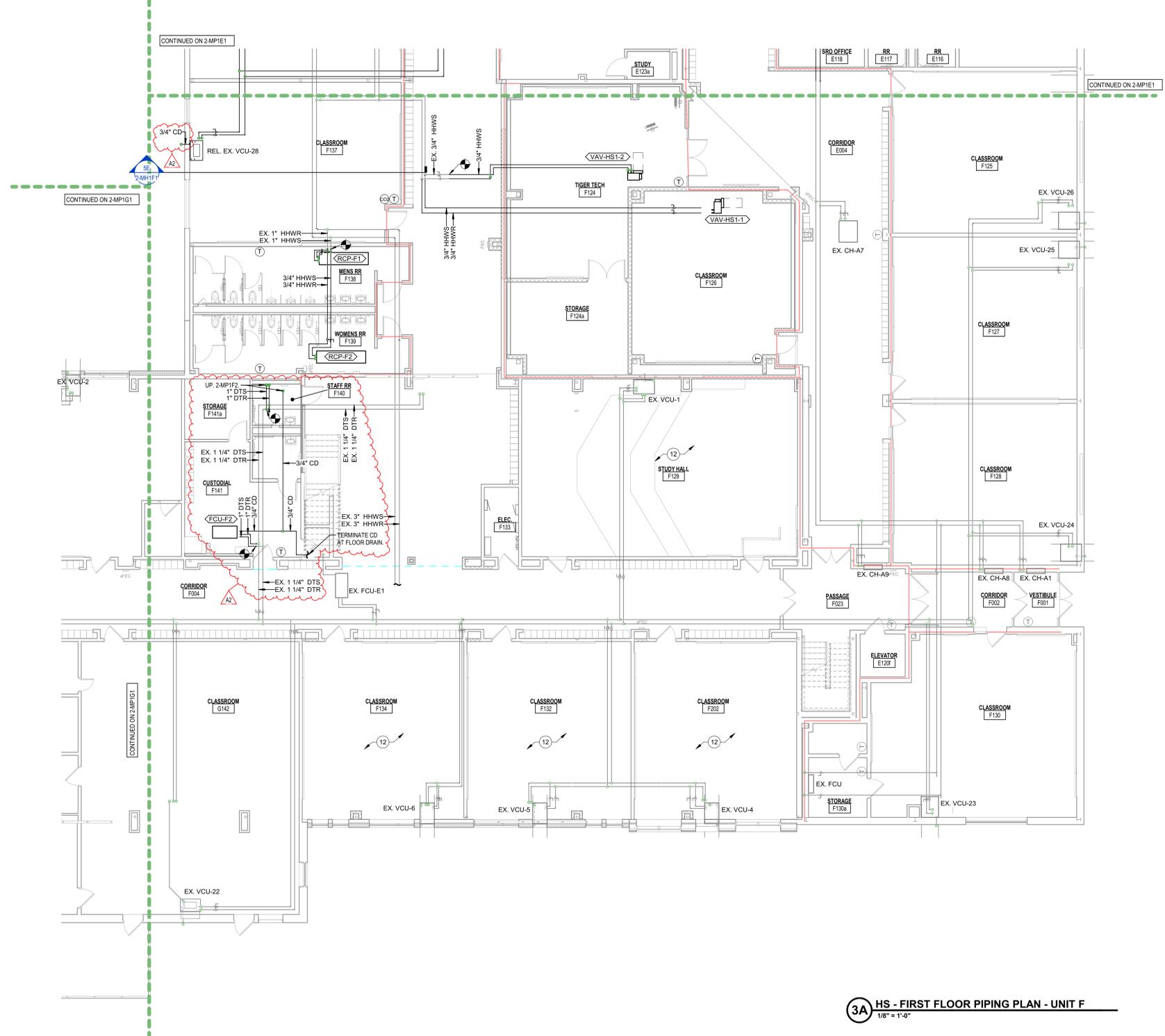
NORTHWESTERN SCHOOL CORPORATION



NORTHWESTERN HIGH SCHOOL / MIDDLE SCHOOL

FIRST FLOOR PIPING PLAN - UNIT F

2-MP1F1

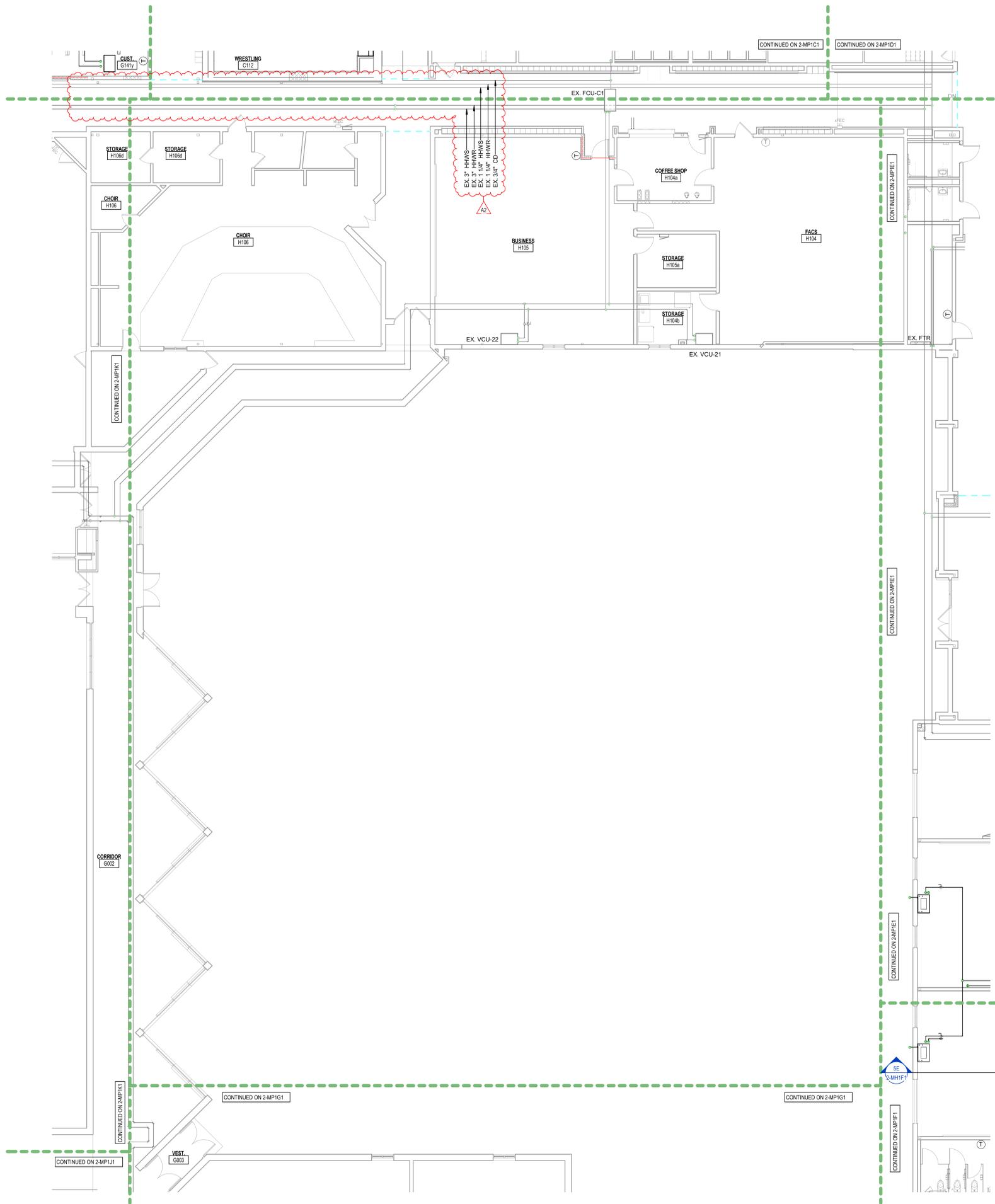


3A HS - FIRST FLOOR PIPING PLAN - UNIT F  
 1/8" = 1'-0"

6 5 4 3 2 1

E D C B A

3A  
 1/8" = 1'-0"  
 NORTHWESTERN SCHOOL CORPORATION  
 3431 N 400 W  
 KOKOMO, IN 46901  
 765.855.1234



### GENERAL PIPING NOTES

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 G. BRANCH PIPING TO EQUIPMENT IS 3/4" UNLESS NOTED OTHERWISE.

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3	HYDRONIC CABINET UNIT HEATER PIPING AND INSTALLED PER DETAIL 441-M-501 OR 1A2-M-507.
4	REFER TO M-700 SERIES DRAWINGS FOR SPLIT SYSTEM TEMPERATURE CONTROLS INFORMATION.
5	PIPING IN GYMNASIUM SPACE. ROUTED TIGHT TO WALLS AND ABOVE BOTTOM OF JOISTS. PAINT TO MATCH ADJACENT WALL AND CEILING COLOR.
7	COPPER CONDENSATE DRAIN ROUTED TO 4" ABOVE MOP SINK. IF CONDENSATE PUMP IS INDICATED ON SCHEDULE, ROUTE PLASTIC TUBING NO MORE THAN 9' BEFORE TERMINATING INTO COPPER CONDENSATE DRAIN.
8	INSTALL SPLIT SYSTEM HIGH WALL UNIT AT 12" BELOW CEILING.
9	TWO-WAY PUMPED AIR HANDLING UNIT PIPING PER DETAIL 421-M-501 OR 2B2-M-507. PUMP LOCATED IN PLENUM. ADDITIONAL COIL PIPING ACCESSORIES MAY BE LOCATED IN AHU PIPE CHASE CABINET.
10	PIPING ROUTED UP TO AHU ON ROOF. COORDINATE LOCATION WITH AHU PIPE CHASE. PIPE CHASE SHALL BE AT LEAST 50% OPEN TO PLENUM FOR FREEZE PROTECTION.
11	REFER TO 5A2-MH1G2 FOR TYPICAL SECOND FLOOR VUV SCOPE ASSOCIATED WITH CURTAINWALL REPLACEMENT.
12	REFER TO 4D2-MH1G1 FOR TYPICAL FIRST FLOOR VUV SCOPE ASSOCIATED WITH CURTAINWALL REPLACEMENT.
13	EXPANSION LOOP PER DETAIL 2E2-M-503.
14	PIPE ANCHORS.

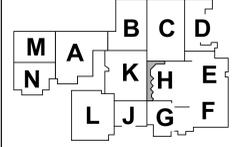


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3431 N 400 W  
 Kokomo IN , 46901



KEY PLAN

NORTHWESTERN SCHOOL CORPORATION



NORTHWESTERN HIGH SCHOOL / MIDDLE SCHOOL

FIRST FLOOR PIPING PLAN - UNIT H

2-MP1H1

2A HS - FIRST FLOOR PIPING PLAN - UNIT H  
 1/8" = 1'-0"

SMITH GROUP ARCHITECTURAL ASSOCIATES, INC.  
 2022-086.TGR - NORTHWESTERN SCHOOL CORPORATION  
 415 MASSACHUSETTS AVENUE, INDIANAPOLIS, IN 46204  
 317.444.4444

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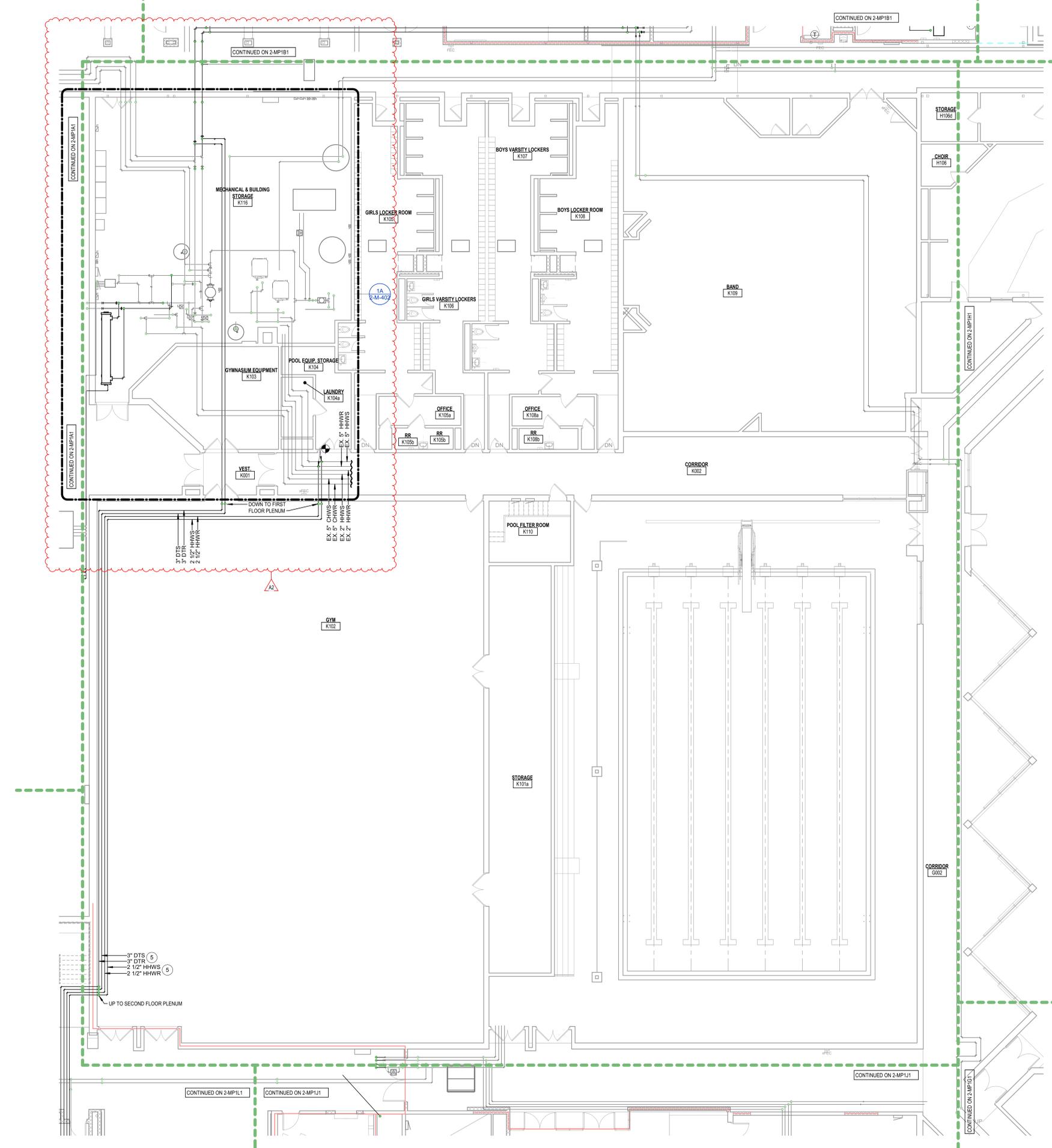
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7	COPPER CONDENSATE DRAIN ROUTED TO +6" ABOVE MOP SINK. IF CONDENSATE PUMP IS INDICATED ON SCHEDULE, ROUTE PLASTIC TUBING NO MORE THAN 6' BEFORE TERMINATING INTO COPPER CONDENSATE DRAIN.
8	INSTALL SPLIT SYSTEM HIGH WALL UNIT AT 12" BELOW CEILING.
9	TWO-WAY PUMPED AIR HANDLING UNIT PIPING PER DETAIL 4C1-M-501 OR 2B2-M-507. PUMP LOCATED IN PLENUM. ADDITIONAL COIL PIPING ACCESSORIES MAY BE LOCATED IN AHU PIPE CHASE CABINET.
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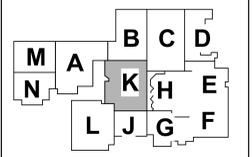


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**KEY PLAN**

**NORTHWESTERN SCHOOL CORPORATION**



**NORTHWESTERN HIGH SCHOOL / MIDDLE SCHOOL**

**FIRST FLOOR PIPING PLAN - UNIT K**

**2-MP1K1**

**2A HS - FIRST FLOOR PIPING PLAN - UNIT K**  
1/8" = 1'-0"

2-MP1K1 - FIRST FLOOR PIPING PLAN - UNIT K  
DESIGNED BY NORTHWESTERN SCHOOL CORPORATION MECHANICAL ENGINEERING DEPARTMENT  
DATE: 08/29/2023  
DRAWN BY: AJE / NAS  
CHECKED BY: NAS  
DATE: 09/19/2023

### GENERAL PIPING NOTES

- A. DARK LINES INDICATE NEW WORK.
- B. LIGHT SOLID LINES INDICATE EXISTING MECHANICAL EQUIPMENT, DUCTWORK, PIPING, AND/OR MECHANICAL ACCESSORIES TO REMAIN AS-IS. CONTRACTOR TO FIELD VERIFY ACTUAL EXISTING CONDITIONS PRIOR TO BIDDING.
- C. PLAN NOTES TO APPLY TO VOLUME 1 AND VOLUME 2. NOT ALL NOTES APPLY TO THIS VOLUME.
- D. PROVIDE SHUTOFF VALVES AT EVERY NEW BRANCH CONNECTION TO A MAIN.
- E. REVIEW ARCHITECTURAL DRAWINGS FOR FIRE RATED WALLS AND FIRE SEAL ALL PIPING PENETRATIONS THROUGH SUCH WALLS PER DETAIL 341-M-502 OR 2022-M-506.
- F. REFER TO M-700 SERIES SHEETS FOR EXACT ROOM SENSOR REQUIREMENTS.
- G. BRANCH PIPING TO EQUIPMENT IS 3/4" UNLESS NOTED OTHERWISE.

### MECHANICAL PIPING PLAN NOTES

- | #  | NOTE   |
|----|--|
| 1  | EXISTING TO REMAIN.  |
| 2  | REFRIGERANT PIPING SUGGESTED ROUTING IS SHOWN. FIELD VERIFY MOST EFFICIENT ROUTING. PIPING SHALL BE SIZED BY SPLIT SYSTEM MANUFACTURER. SUPPORT PIPING PER MANUFACTURER'S REQUIREMENTS TO PREVENT SAGGING. |
| 3  | HYDRONIC CABINET UNIT HEATER PIPED AND INSTALLED PER DETAIL 4A1-M-501 OR 1A2-M-507.  |
| 4  | REFER TO M-700 SERIES DRAWINGS FOR SPLIT SYSTEM TEMPERATURE CONTROLS INFORMATION.  |
| 5  | PIPING IN GYMNASIUM SPACE, ROUTED TIGHT TO WALLS AND ABOVE BOTTOM OF JOISTS. PAINT TO MATCH ADJACENT WALL AND CEILING COLOR.   |
| 7  | COPPER CONDENSATE DRAIN ROUTED TO *6" ABOVE MOP SINK. IF CONDENSATE PUMP IS INDICATED ON SCHEDULE, ROUTE PLASTIC TUBING NO MORE THAN 5' BEFORE TERMINATING INTO COPPER CONDENSATE DRAIN.                   |
| 8  | INSTALL SPLIT SYSTEM HIGH WALL UNIT AT 12" BELOW CEILING.  |
| 9  | TWO-WAY PUMPED AIR HANDLING UNIT PIPING PER DETAIL 4C1-M-501 OR 2B2-M-507. PUMP LOCATED IN PLENUM. ADDITIONAL COIL PIPING ACCESSORIES MAY BE LOCATED IN AHU PIPE CHASE CABINET.                            |
| 10 | PIPING ROUTED UP TO AHU ON ROOF. COORDINATE LOCATION WITH AHU PIPE CHASE. PIPE CHASE SHALL BE AT LEAST 50% OPEN TO PLENUM FOR FREEZE PROTECTION.   |
| 11 | REFER TO 5A2-MH1G2 FOR TYPICAL SECOND FLOOR VUV SCOPE ASSOCIATED WITH CURTAINWALL REPLACEMENT.   |
| 12 | REFER TO 4D2-MH1G1 FOR TYPICAL FIRST FLOOR VUV SCOPE ASSOCIATED WITH CURTAINWALL REPLACEMENT.  |
| 13 | EXPANSION LOOP PER DETAIL 2E2-M-503.   |
| 14 | PIPE ANCHORS.  |



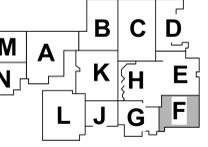
Project No. 2022-086.TGR  
 Project Date 08.29.2023  
 Produced AJE



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#	Revision	Date
A2	ADDENDUM #2	09.19.2023

3431 N 400 W  
 Kokomo IN , 46901



KEY PLAN

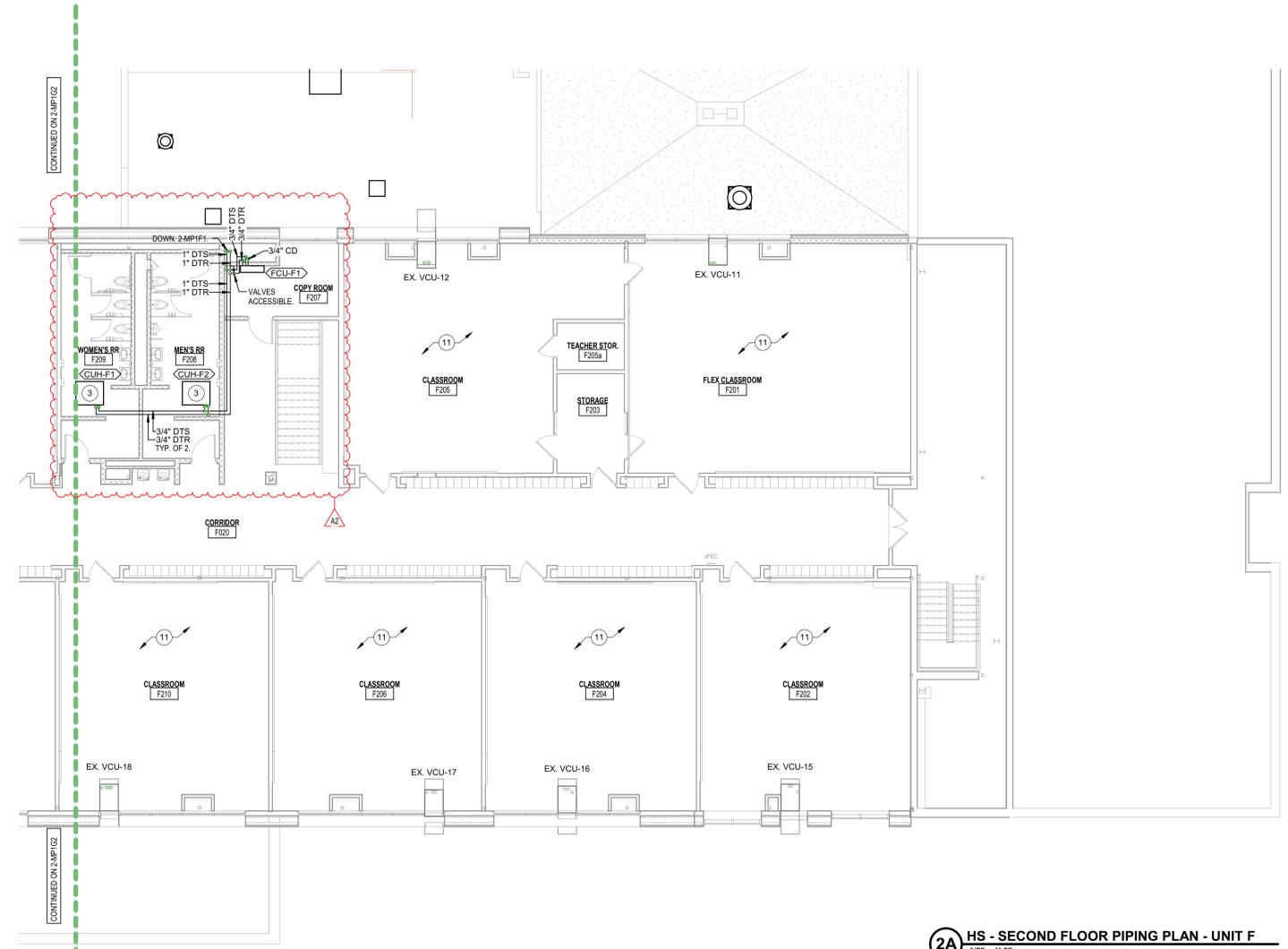
NORTHWESTERN SCHOOL CORPORATION



NORTHWESTERN HIGH SCHOOL / MIDDLE SCHOOL

SECOND FLOOR PIPING PLAN - UNIT F

2-MP1F2



2A HS - SECOND FLOOR PIPING PLAN - UNIT F  
 1/8" = 1'-0"

1. ALL WORK SHALL BE IN ACCORDANCE WITH THE 2018 INTERNATIONAL MECHANICAL CODE (IMC) AND THE 2018 INTERNATIONAL PLUMBING AND MECHANICAL CODE (IPMC).  
 2. REFER TO NORTHWESTERN SCHOOL CORPORATION ARCHITECTURAL DRAWINGS FOR ALL ROOM SCHEDULES AND FINISHES.  
 3. ALL WORK SHALL BE IN ACCORDANCE WITH THE 2018 INTERNATIONAL MECHANICAL CODE (IMC) AND THE 2018 INTERNATIONAL PLUMBING AND MECHANICAL CODE (IPMC).  
 4. ALL WORK SHALL BE IN ACCORDANCE WITH THE 2018 INTERNATIONAL MECHANICAL CODE (IMC) AND THE 2018 INTERNATIONAL PLUMBING AND MECHANICAL CODE (IPMC).

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**GENERAL DEMOLITION NOTES**

A. **DARK DASHED LINES** INDICATE EXISTING MECHANICAL EQUIPMENT, DUCTWORK, PIPING, AND/OR MECHANICAL ACCESSORIES AND ALL ASSOCIATED HANGERS/SUPPORTS AND ELECTRICAL/CONTROLS WIRING DEMOLISHED COMPLETE. CONTRACTOR TO FIELD VERIFY ACTUAL EXISTING CONDITIONS PRIOR TO BIDDING AND DEMOLITION. CONTRACTOR TO INCLUDE ALL COST TO REMOVE ITEMS MADE OBSOLETE DUE TO NEW HVAC WORK INCLUDING ELECTRICAL/CONTROLS WIRING AND HANGERS/SUPPORTS.

B. CONTRACTOR GIVES OWNER **FIRST RIGHTS OF REFUSAL** ON ANY EXISTING EQUIPMENT, MATERIALS, AND REFRIGERANTS THE OWNER MAY WANT TO KEEP. IF OWNER DECIDES SAID ITEM IS TO BE REMOVED, THEN CONTRACTOR IS TO REMOVE FROM PROJECT SITE AS REQUIRED.

a. ALL **R-22 REFRIGERANT** SHALL BE COLLECTED AND TURNED OVER TO OWNER.

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

D. PLAN NOTES TO APPLY TO VOLUME 1 AND VOLUME 2. NOT ALL NOTES APPLY TO THIS VOLUME.

**DEMOLITION ENLARGED PLAN**  
**NOTE**

- EXISTING TO REMAIN.
- REMOVE EXISTING ABANDONED PIPING TO BELOW GRADE AND CAP.
- REMOVE EXISTING AIR-COOLED CHILLER AND ASSOCIATED CONCRETE PAD, PIPING, SUPPORTS, AND ALL ASSOCIATED WIRING COMPLETELY.
- REMOVE EXISTING THROTTLING VALVE AT P-2A.
- 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.
- REMOVE EXISTING HEAT RECOVERY CHILLER LOOP COMPLETELY. CAP CONNECTIONS TO CENTRAL PLANT PIPING MAINS.



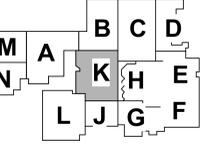
Project No. 2022-086.TGR  
Project Date 08.29.2023  
Produced AJE



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#	Revision	Date
A2	ADDENDUM #2	09.19.2023

3431 N 400 W  
Kokomo IN , 46901



KEY PLAN

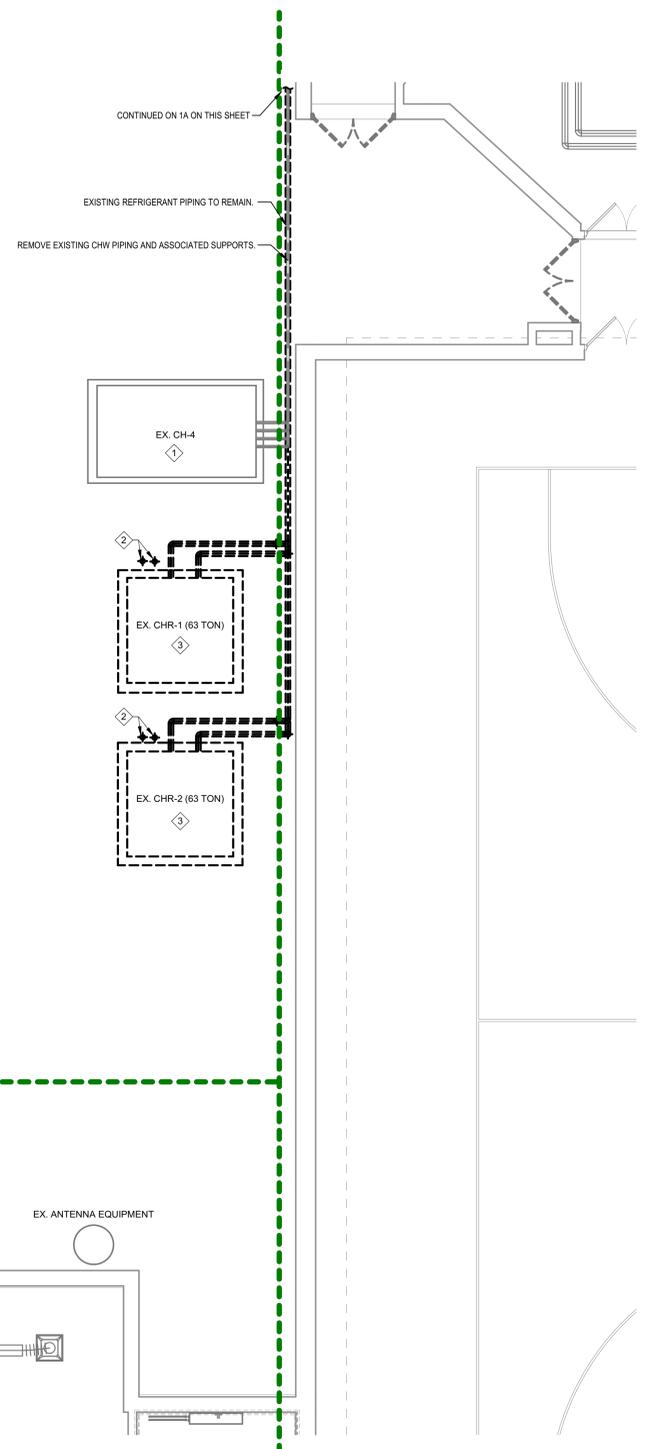
**NORTHWESTERN SCHOOL CORPORATION**



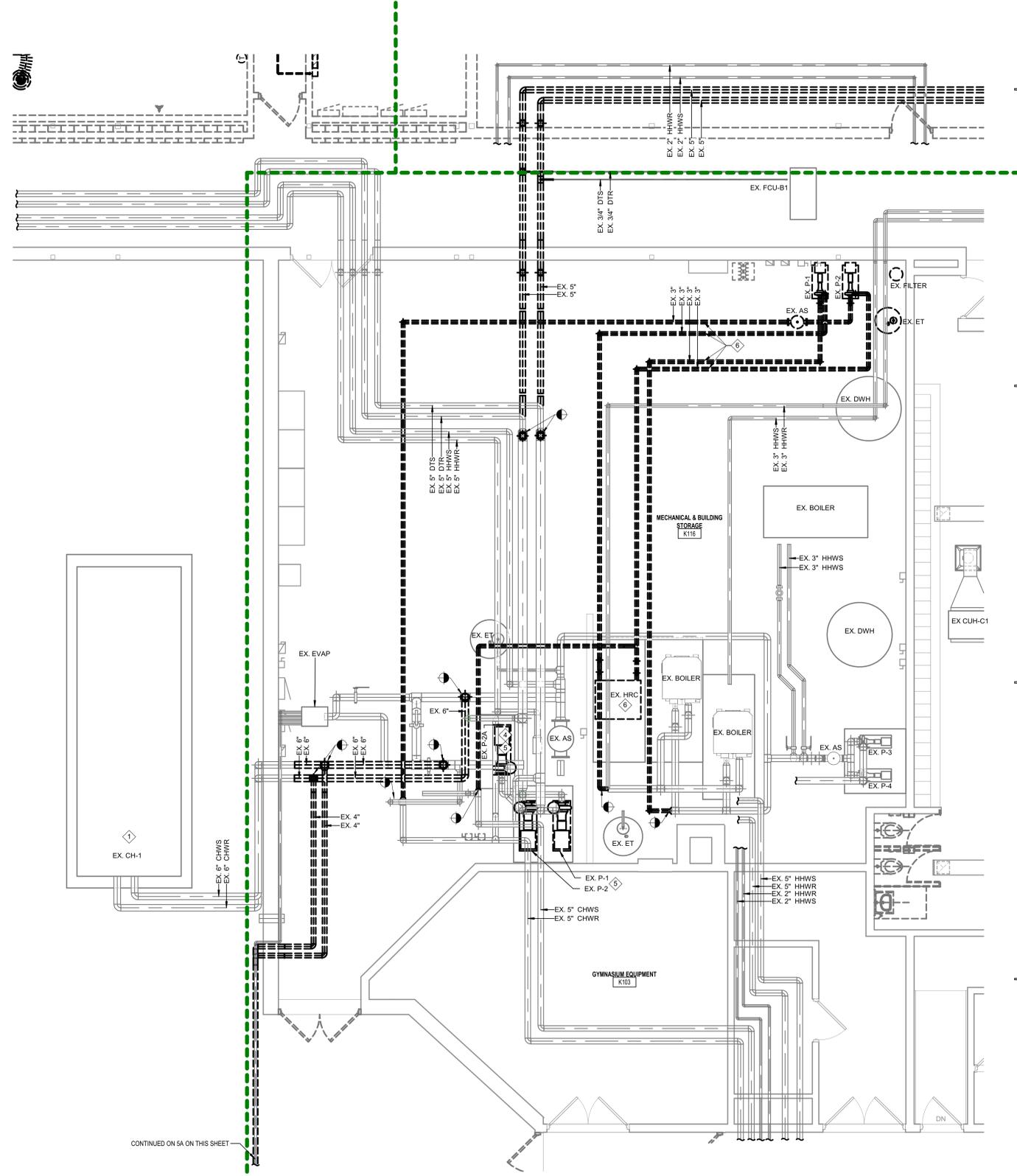
NORTHWESTERN HIGH SCHOOL / MIDDLE SCHOOL

ENLARGED MECHANICAL ROOM DEMOLITION PLAN

2-M-401



**5A CHILLER YARD ENLARGED DEMOLITION PLAN**  
3/16" = 1'-0"



**1A MAIN MECHANICAL ROOM ENLARGED DEMOLITION PLAN**  
1/4" = 1'-0"

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2023.09.19.2023  
 NORTHWESTERN SCHOOL CORPORATION  
 3431 N 400 W  
 KOKOMO, IN 46901  
 765.854.1234  
 www.nwschools.org









6 5 4 3 2 1

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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.



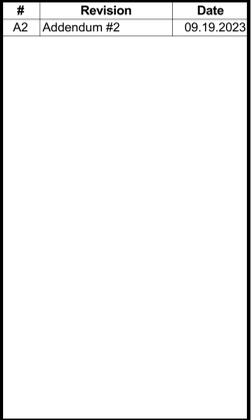
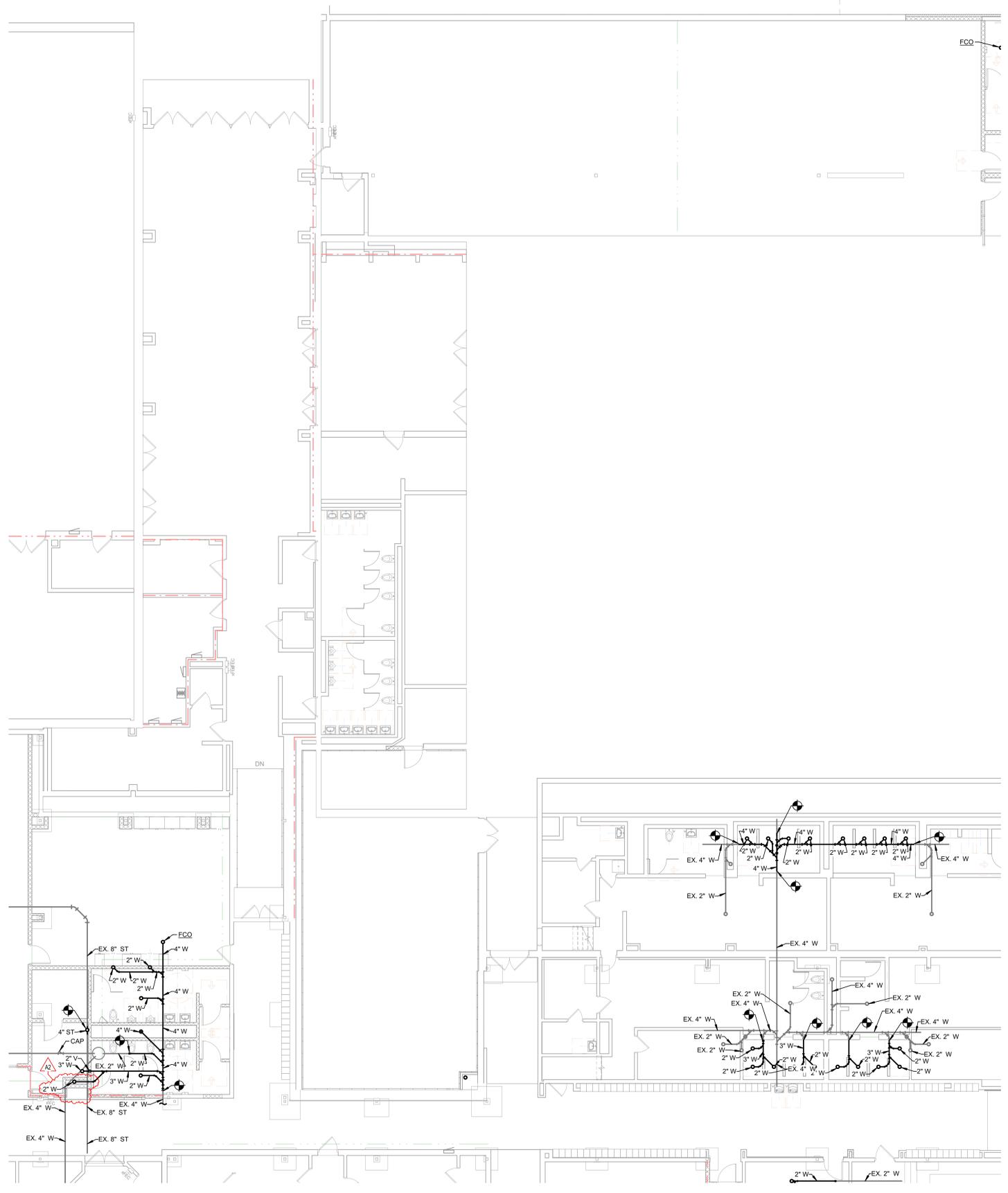
**SCHMIDT ASSOCIATES**  
415 Massachusetts Avenue  
Indianapolis, IN 46204  
www.schmidt-arch.com

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

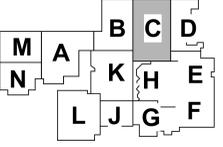


*Sarah K. Hempstead*  
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#	Revision	Date
A2	Addendum #2	09.19.2023



3431 N 400 W  
Kokomo IN , 46901



KEY PLAN

**NORTHWESTERN SCHOOL CORPORATION**



NORTHWESTERN HIGH SCHOOL / MIDDLE SCHOOL

FOUNDATION PLUMBING PLAN - UNIT C  
**2-PF1C1**

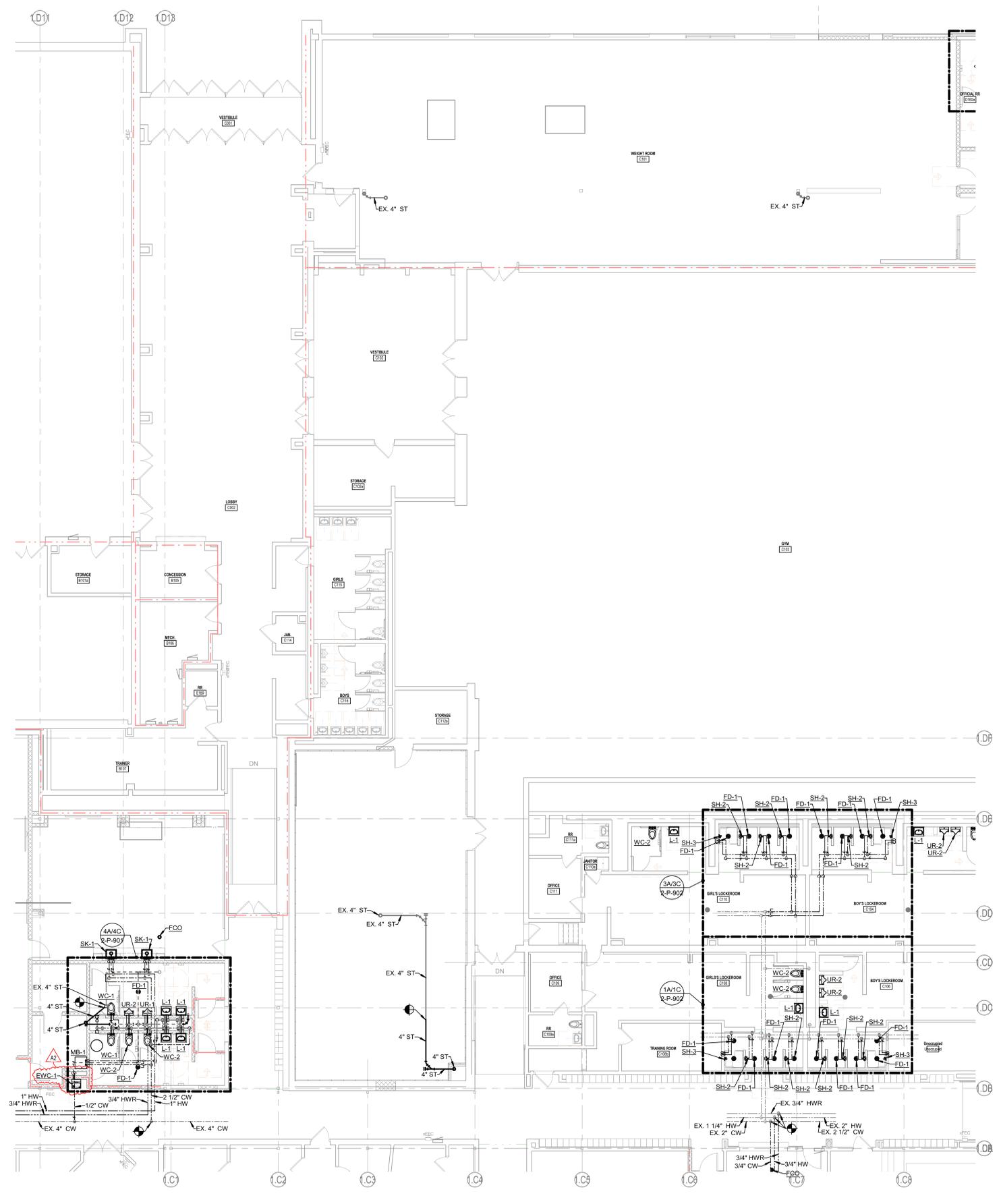
**2A** FOUNDATION PLUMBING PLAN - UNIT C  
1/8" = 1'-0"

6 5 4 3 2 1

PROJECT: COLEMAN PLUMBING, LLC, INC.  
 PREPARED FOR: NORTHWESTERN SCHOOL CORPORATION, 3431 N 400 W, KOKOMO, IN 46901  
 DRAWING NO.: 2022-086.TGR-01-01  
 DATE: 08.29.2023

6 5 4 3 2 1

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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.
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  - 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 1/2"	1 1/2"	1 1/2"
EWES-1	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-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"
LT1-1	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"

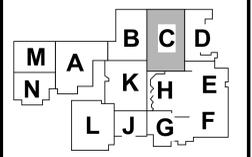


Project No. 2022-086.TGR  
 Project Date 08.29.2023  
 Produced JH / KAV



#	Revision	Date
A2	Addendum #2	09.19.2023

3431 N 400 W  
 Kokomo IN , 46901



KEY PLAN

NORTHWESTERN SCHOOL CORPORATION



NORTHWESTERN HIGH SCHOOL / MIDDLE SCHOOL

FIRST FLOOR PLUMBING PLAN - UNIT C

2-PP1C1

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

6 5 4 3 2 1

DATE PLOTTED: 09/19/2023 10:00 AM  
 PLOTTER: HP DesignJet T1100e  
 FILE: 2022-086.TGR - 2A - 2-PP1C1.dwg  
 USER: JH  
 PLOTTER: HP DesignJet T1100e

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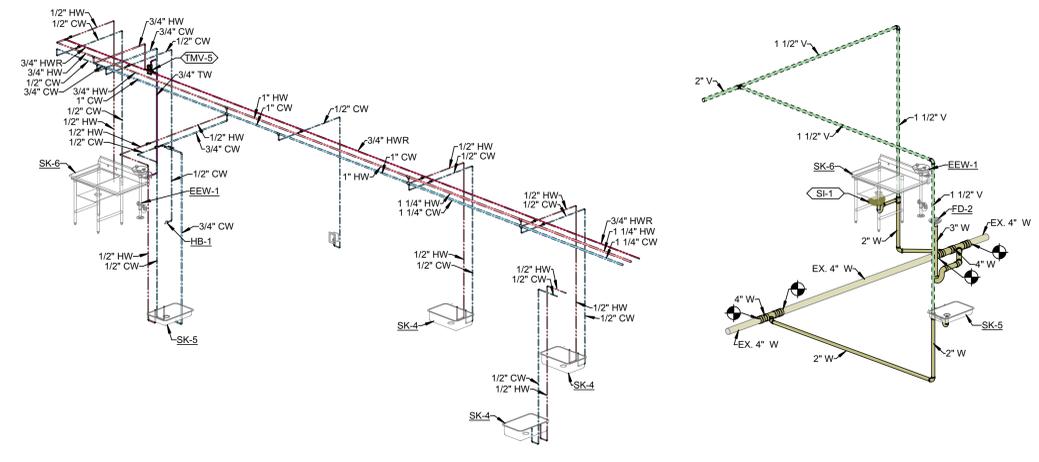
E

D

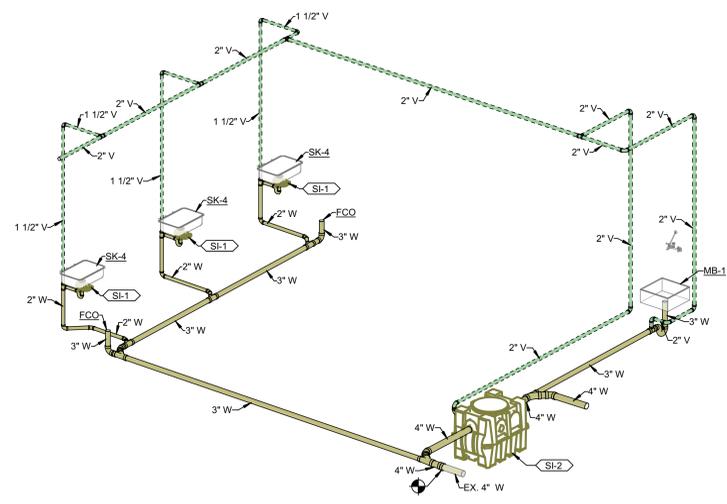
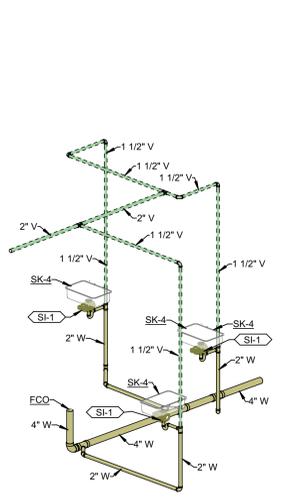
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B

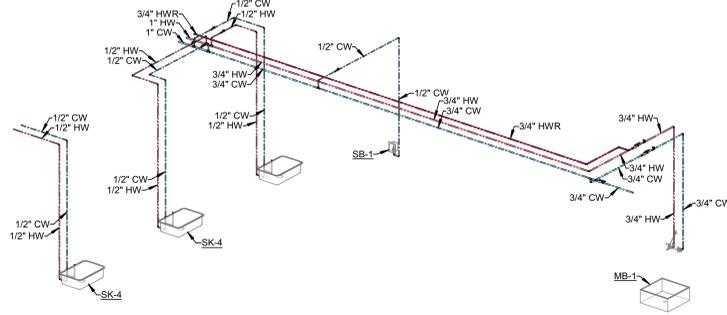
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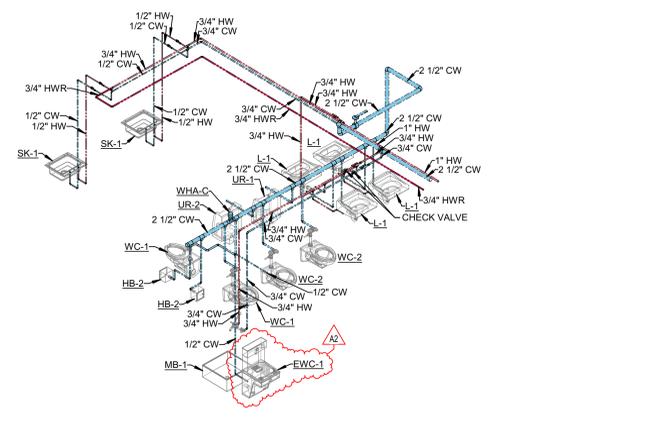
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NOT TO SCALE



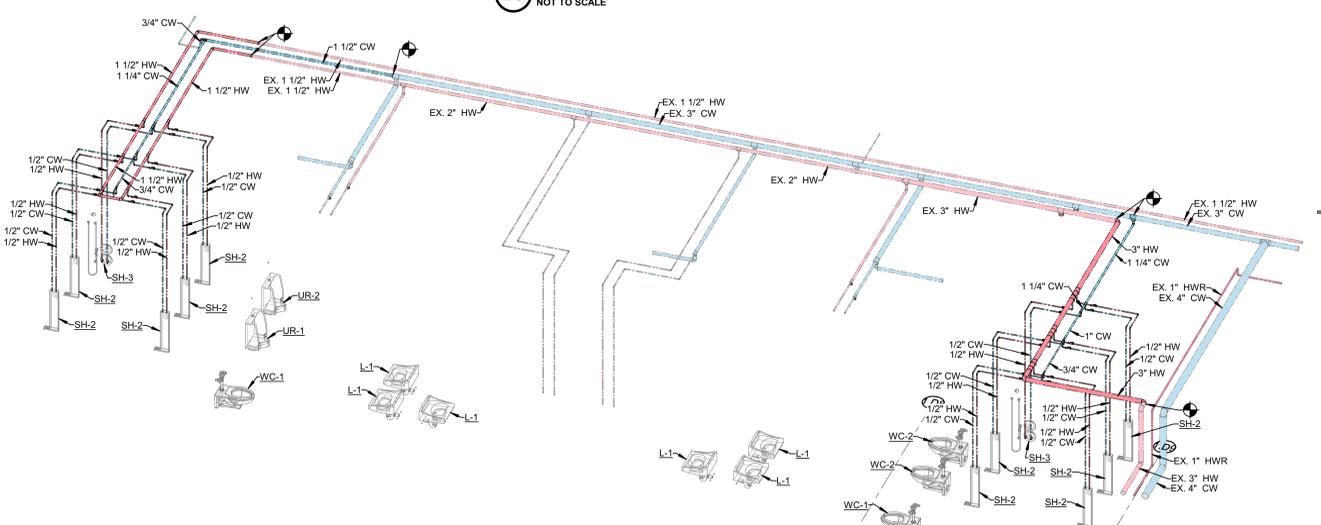
2E FLEX CLASSROOM B114 WASTE AND VENT ISOMETRIC  
NOT TO SCALE



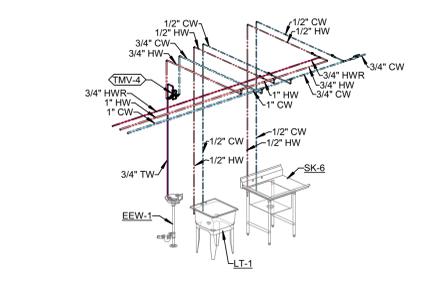
2C FLEX CLASSROOM B114 DOMESTIC WATER ISOMETRIC  
NOT TO SCALE



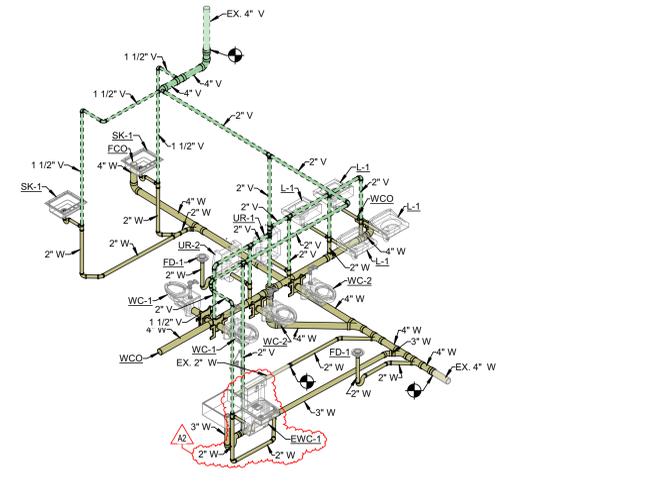
4C MENS RR B109 AND WOMENS RR B110 LOCKERS DOMESTIC WATER ISOMETRIC  
NOT TO SCALE



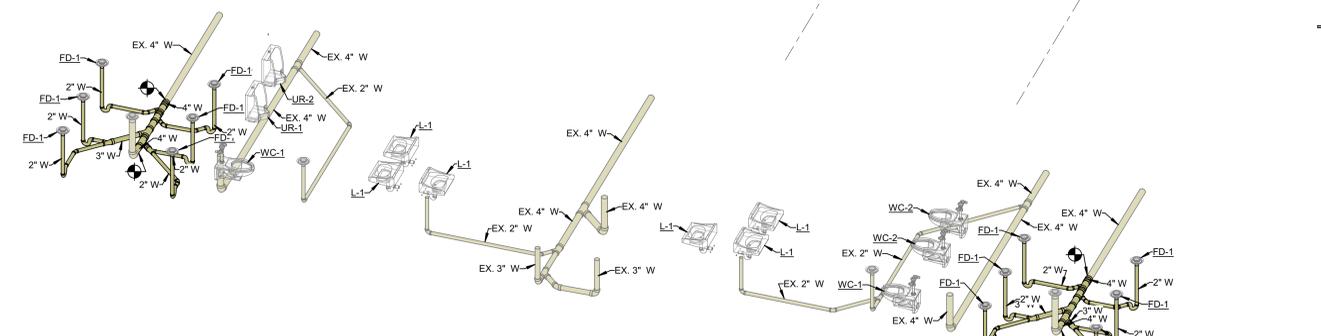
1C TIGER DEN LOCKERS DOMESTIC WATER ISOMETRIC  
NOT TO SCALE



6B CONSTRUCTION LAB DOMESTIC WATER ISOMETRIC  
NOT TO SCALE



4A MENS RR B109 AND WOMENS RR B110 WASTE AND VENT ISOMETRIC  
NOT TO SCALE



1A TIGER DEN LOCKERS WASTE AND VENT ISOMETRIC  
NOT TO SCALE

6A CONSTRUCTION LAB WASTE AND VENT ISOMETRIC  
NOT TO SCALE

**PLUMBING FIXTURE ROUGH-IN LEGEND**

MARK	FIXTURE CONNECTION		
	CW	HW	V
EEW-1	1 1/4"	1/2"	1 1/2"
EWES-1	1 1/4"	1 1/4"	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"
HB-1	3/4"		
HB-2	3/4"		
NFW-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"
OFD-1			6"
OFD-2			4"
RD-1			6"
RD-2			4"
SH-1	3/4"	3/4"	2"
SH-2	1/2"	1/2"	1 1/2"
SH-3	1/2"	1/2"	1 1/2"
HS-1	1/2"	1/2"	1 1/2"
LT-1	1/2"	1/2"	1 1/2"
MB-1	3/4"	3/4"	3"
SK-1	1/2"	1/2"	1 1/2"
SK-2	1/2"	1/2"	1 1/2"
SK-3	3/4"	3/4"	2"
SK-4	1/2"	1/2"	1 1/2"
SK-5	1/2"	1/2"	1 1/2"
SK-6	1/2"	1/2"	1 1/2"
SK-7	1/2"	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"



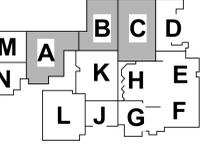
Project No. 2022-086.TGR  
Project Date 08.29.2023  
Produced JH / KAV



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#	Revision	Date
A2	Addendum #2	09.19.2023

3431 N 400 W  
Kokomo IN , 46901



KEY PLAN

NORTHWESTERN SCHOOL CORPORATION



NORTHWESTERN HIGH SCHOOL / MIDDLE SCHOOL

PLUMBING ISOMETRICS - UNITS A, B, AND C

2-P-901

DATE PLOTTED: 09/19/2023 10:00 AM  
DRAWING TITLE: PLUMBING ISOMETRICS - UNITS A, B, AND C  
PROJECT: NORTHWESTERN HIGH SCHOOL / MIDDLE SCHOOL  
PROJECT NO: 2022-086.TGR  
PROJECT DATE: 08/29/2023  
DRAWING NO: 2-P-901

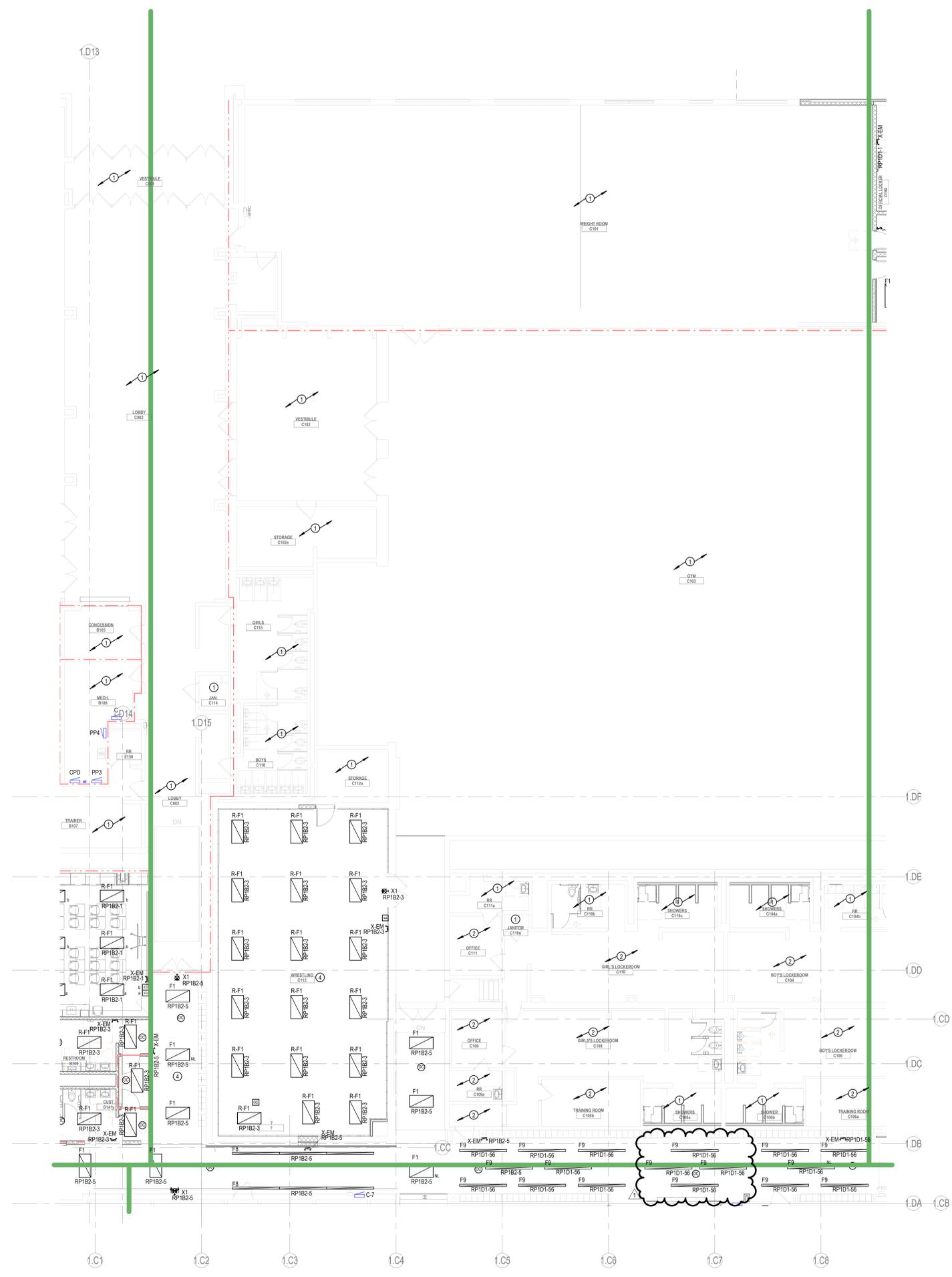






6 5 4 3 2 1

E D C B A



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

**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 / 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.
- 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.
- 4. 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.
- 5. INSTALL NEW LIGHT FIXTURES IN THIS ROOM / AREA. CONNECT TO EXISTING LIGHTING CIRCUIT SERVING THE AREA. PROVIDE NEW LIGHTING CONTROL DEVICES AS REQUIRED.
- 6. REFER TO SECOND FLOOR LIGHTING PLAN FOR LIGHTING FIXTURE LAYOUT AND CONTROLS FOR THIS SPACE.
- 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.



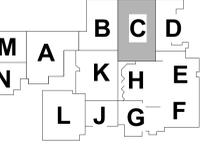
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Project Date 08.29.2023  
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#	Revision	Date
	ADDENDUM 2	09-19-2023

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

6 5 4 3 2 1

6

5

4

3

2

1

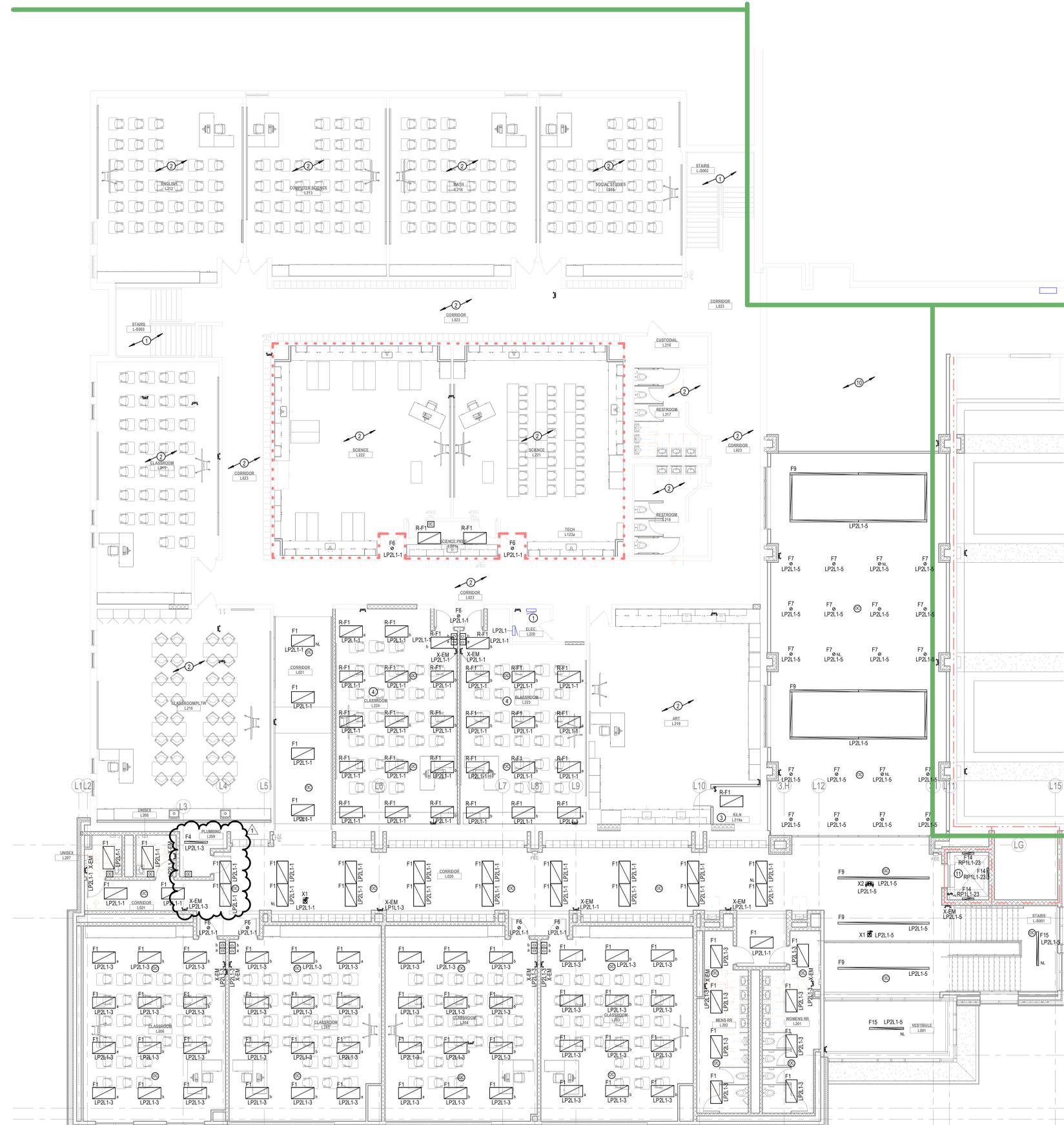
E

D

C

B

A



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

**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 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.
- 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.
- 4. 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.
- 5. INSTALL NEW LIGHT FIXTURES IN THIS ROOM / AREA. CONNECT TO EXISTING LIGHTING CIRCUIT SERVING THE AREA. PROVIDE NEW LIGHTING CONTROL DEVICES AS REQUIRED.
- 9. REFER TO SECOND FLOOR LIGHTING PLAN FOR LIGHTING FIXTURE LAYOUT AND CONTROLS FOR THIS SPACE.
- 10. REFER TO FIRST FLOOR LIGHTING PLAN FOR LIGHTING FIXTURE LAYOUT AND CONTROLS FOR THIS SPACE.
- 11. WEATHER PROOF ELEVATOR HOISTWAY LIGHTING AND SWITCH. LIGHTING TO BE COORDINATED WITH ELEVATOR EQUIPMENT WITHIN HOISTWAY.
- 12. CONNECT FIXTURE TO EXTERIOR LIGHTING CONTROLS.



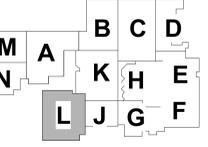
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KEY PLAN

NORTHWESTERN SCHOOL CORPORATION



NORTHWESTERN HIGH SCHOOL / MIDDLE SCHOOL

2 - SECOND FLOOR LIGHTING PLAN - UNIT L

2-EL1L2

6

5

4

3

2

1



**TELECOMMUNICATIONS DEFINITIONS AND ABBREVIATIONS**

**DEFINITIONS**

ACCEPTANCE TEST - A TEST OR SET OF TESTS PERFORMED TO DEMONSTRATE SATISFACTORY COMPLETION OF A PREDETERMINED TASK OR GROUP OF TASKS ON WHICH ACCEPTANCE IS DEPENDANT.

ACCESS POINT (AP) - THE CENTRAL OR CONTROL POINT IN A WIRELESS CELL THAT ACTS AS A LINK FOR TRAFFIC TO AND FROM WIRELESS DEVICES IN THE CELL. THE AP ALSO CONNECTS WIRELESS DEVICES TO THE WIRED PORTION OF THE NETWORK.

ACTIVE CIRCUIT - A VOICE/DATA/VIDEO CHANNEL CONNECTED TO A CIRCUIT.

ACTIVE EQUIPMENT - ENERGIZED EQUIPMENT USED FOR RECEIVING OR TRANSMITTING ANALOG OR DIGITAL SIGNALS.

ADMINISTRATION - THE METHODOLOGY DEFINING THE DOCUMENTATION REQUIREMENTS OF A CABLING SYSTEM AND ITS CONTAINMENT, THE LABELING OF FUNCTIONAL ELEMENTS AND THE PROCESS BY WHICH MOVES, ADDS, AND CHANGES ARE RECORDED. (ISO)

ALIEN CROSSTALK - UNWANTED TRANSFER OF SIGNAL FROM ONE OR MORE CIRCUITS IN A GIVEN CABLE TO OTHER CIRCUITS IN ANOTHER CABLE.

ATTENUATION - THE DECREASE IN MAGNITUDE OF TRANSMISSION SIGNAL STRENGTH BETWEEN POINTS, EXPRESSED IN DB AS THE RATIO OF OUTPUT TO INPUT SIGNAL LEVEL.

ATTENUATION-TO-CROSSTALK RATION (ACR) - THE RATIO OBTAINED BY SUBTRACTING INSERTION LOSS (ATTENUATION [DB]) FROM NEAR-END CROSSTALK (DB). ACR IS NORMALLY STATED AT A GIVEN FREQUENCY. SEE SIGNAL-TO-NOISE RATIO.

BACKBONE - A FACILITY (E.G., PATHWAY, CABLE, OR CONDUCTORS) BETWEEN ANY OF THE FOLLOWING SPACES: TELECOMMUNICATIONS ENCLOSURES, TELECOMMUNICATIONS ROOMS, EQUIPMENT ROOMS, AND ENTRANCE FACILITIES.

BACKBONE BONDING CONDUCTOR - A COPPER CONDUCTOR EXTENDING FROM THE TELECOMMUNICATIONS MAIN GROUNDING BUSBAR TO THE FARTHEST FLOOR TELECOMMUNICATIONS GROUNDING BUSBAR. (TIA)

BALANCED TWISTED-PAIR CABLE - A MULTI-CONDUCTOR CABLE COMPRISING TWO OR MORE COPPER CONDUCTORS TWISTED IN A MANNER DESIGNED TO CANCEL ELECTRICAL INTERFERENCE.

BANDWIDTH - A MEASURE OF THE RANGE OF FREQUENCIES ASSOCIATED WITH A GIVEN SIGNAL OR COMMUNICATIONS CHANNEL, TYPICALLY EXPRESSED IN HERTZ. IT IS USED TO DENOTE THE POTENTIAL TRANSMISSION CAPACITY OF THE MEDIUM, DEVICE, OR SYSTEM.

BEND RADIUS - 1. MAXIMUM RADIUS THAT A CABLE CAN BE BENT TO AVOID PHYSICAL OR ELECTRICAL DAMAGE OR CAUSE ADVERSE TRANSMISSION PERFORMANCE. 2. RADIUS OF CURVATURE THAT A MEDIA CAN BEND WITHOUT SIGNAL DEGRADATION.

BICSI - AN INTERNATIONAL TELECOMMUNICATIONS ASSOCIATION.

BONDING - THE PERMANENT JOINING OF METALLIC PARTS TO FORM AN ELECTRICALLY CONDUCTIVE PATH THAT WILL ENSURE ELECTRICAL CONTINUITY AND THE CAPACITY TO CONDUCT SAFELY ANY CURRENT LIKELY TO BE IMPOSED. (TIA)

BONDING CONDUCTOR (BC) - A CONDUCTOR USED SPECIFICALLY FOR THE PURPOSE OF BONDING.

BONDING CONDUCTOR FOR TELECOMMUNICATIONS (BCT) - A CONDUCTOR THAT INTERCONNECTS THE BUILDINGS SERVICE EQUIPMENT (POWER) GROUND TO THE TELECOMMUNICATIONS GROUNDING SYSTEM.

BORING - A METHOD TO DISPLACE EARTH UNDER THE GROUND WITHOUT BREAKING THE GROUND SURFACE (TRENCHING) OR CUTTING GROUND SURFACES (E.G., SIDEWALKS, DRIVEWAYS, PARKING LOTS, AND ROAD SURFACES), NORMALLY, AS DIRT IS DISPLACED OR REMOVED, CONDUIT IS INSERTED.

CABLING SYSTEM - A SPECIFIC SYSTEM OF TELECOMMUNICATIONS CABLES, EQUIPMENT/PATCH CORDS, CONNECTING HARDWARE, AND OTHER COMPONENTS THAT IS SUPPLIED AS A SINGLE ENTITY.

CARD READER - A SECURITY SYSTEM DEVICE THAT READS CODED CARDS.

CATEGORY - A RATING THAT DEFINES THE PERFORMANCE OF CABLING COMPONENTS AND SYSTEMS.

CELL - THE FIXED AREA IN WHICH A WIRELESS DEVICES OPERATES.

COMMUNICATIONS - SEE TELECOMMUNICATIONS.

CROSS-CONNECT - A FACILITY ENABLING THE TERMINATION OF CABLE ELEMENTS AND THEIR INTERCONNECTION OR CROSS-CONNECTION. (TIA)

CROSSTALK - UNWANTED TRANSFER OF SIGNAL FROM ONE OR MORE CIRCUITS TO OTHER CIRCUITS.

CUTOVER - THE PROCESS OF SWITCHING FROM OLD NETWORK COMPONENTS TO NEW NETWORK COMPONENTS.

DAISY-CHAIN TOPOLOGY - DEVICES ARE CONNECTED IN SERIES, ONE AFTER THE OTHER, AND THE TRANSMITTED SIGNALS GO TO THE FIRST DEVICES, THEN THE SECOND, ETC.

DATA - ELECTRONICALLY ENCODED INFORMATION. (TIA)

DATA COMMUNICATION - THE TRANSMISSION AND RECEPTION OF ELECTRONICALLY CODED INFORMATION.

DATA NETWORK - AN INTERCONNECTED SYSTEM OF COMPUTERS, PERIPHERALS, AND SOFTWARE OVER WHICH COMMANDS, FILES, AND MESSAGES ARE SENT AND RECEIVED.

DECIBEL (DB) - A LOGARITHMIC UNIT FOR MEASURING THE RELATIVE POWER OR STRENGTH OF A SIGNAL.

DELAY SKEW - THE DIFFERENCE IN PROPAGATION DELAY BETWEEN ANY TWO PAIRS WITHIN THE SAME CABLE SHEATH. (TIA)

DEMARICATION POINT (DP) - 1. A POINT WHERE THE OPERATIONAL CONTROL OR OWNERSHIP CHANGES. (TIA) 2. THE POINT OF INTERFACE BETWEEN SERVICE PROVIDERS AND CUSTOMER FACILITIES.

Dielectric - 1. THE NONCONDUCTIVE PROPERTIES OF AN INSULATING MATERIAL THAT RESISTS THE PASSAGE OF ELECTRIC CURRENT. THE INSULATION SURROUNDING A COPPER CONDUCTOR IS KNOWN AS A DIELECTRIC. 2. A MATERIAL THAT IS NONMETALLIC AND NONCONDUCTIVE. 3. A NONCONDUCTOR OF DIRECT ELECTRIC CURRENT.

DIRECT-BURIED CABLE - A TELECOMMUNICATIONS CABLE DESIGNED TO BE INSTALLED UNDER THE SURFACE OF THE EARTH, IN DIRECT CONTACT WITH THE SOIL. (TIA)

ELECTROMAGNETIC INTERFERENCE (EMI) - RADIATED OR CONDUCTED ELECTROMAGNETIC ENERGY THAT HAS AN UNDESIRABLE EFFECT ON ELECTRONIC EQUIPMENT OR SIGNAL TRANSMISSIONS. (TIA)

EQUAL LEVEL FAR-END CROSSTALK (ELFEXT) - CROSSTALK MEASURED AT THE OPPOSITE END FROM WHICH THE DISTURBING SIGNAL IS TRANSMITTED, NORMALIZED BY THE ATTENUATION CONTRIBUTION OF THE CABLE OR CABLING.

FAR-END CROSSTALK (FEXT) LOSS - A MEASURE OF THE UNWANTED SIGNAL COUPLING FROM A TRANSMITTER AT THE NEAR END INTO ANOTHER PAIR MEASURED AT THE FAR END, AND RELATIVE TO THE TRANSMITTED SIGNAL LEVEL. ALSO CALLED INPUT/OUTPUT FAR-END CROSSTALK LOSS. (TIA)

FAULT TOLERANCE - THE ABILITY OF A SYSTEM TO CONTINUE OPERATIONS AFTER THE FAILURE OF ONE OR MORE COMPONENTS.

FIBER OPTICS - A COMMUNICATION SYSTEM THAT USES OPTICAL FIBER AS ITS MEDIUM.

GIGABIT PER SECOND (GB/S) - A TRANSMISSION RATE DENOTING ONE BILLION BITS PER SECOND.

GIGAHERTZ (GHZ) - A UNIT OF FREQUENCY DENOTING ONE BILLION CYCLES PER SECOND (HERTZ).

HERTZ (HZ) - 1. A UNIT OF MEASURE USED TO EXPRESS THE RANGE OF FREQUENCIES ASSOCIATED WITH A GIVEN SIGNAL OR COMMUNICATIONS CHANNEL. THIS RANGE IS ALSO CALLED BANDWIDTH. 2. A UNIT OF FREQUENCY EQUAL TO ONE CYCLE PER SECOND.

HOME RUN - A PATHWAY OR CABLE BETWEEN TWO LOCATIONS WITHOUT A SPLICE OR INTERMEDIATE TERMINATIONS POINTS IN BETWEEN.

HORIZONTAL CABLE - 1. A PERMANENT ELEMENT OF THE HORIZONTAL CABLING THAT CONNECTS THE TELECOMMUNICATIONS OUTLET/CONNECTOR AT THE WORK AREA AND THE FIRST PIECE OF CONNECTING HARDWARE IN THE HORIZONTAL OR MAIN CROSS-CONNECT. 2. FOUR PAIR 24 AWG UNSHIELDED TWISTED PAIR (UTP).

HORIZONTAL CROSS-CONNECT - A GROUP OF CONNECTORS THAT ALLOWS EQUIPMENT AND BACKBONE CABLING TO BE CROSS-CONNECTED.

INNERDUCT - A NONMETALLIC RACEWAY, USUALLY CIRCULAR, PLACED WITHIN A LARGER PATHWAY. (TIA)

INTERMEDIATE CROSS-CONNECT (IC) - THE CONNECTION POINT BETWEEN A BACKBONE CABLE THAT EXTENDS FROM THE MAIN CROSS-CONNECT AND THE BACKBONE CABLE FROM THE HORIZONTAL CROSS-CONNECT.

LATENCY - THE TIME IT TAKES FOR A SIGNAL TO PASS THROUGH A DEVICE OR NETWORK.

LOW-VOLTAGE CABLING/CABLING SYSTEM - TELECOMMUNICATIONS SIGNALING (INCLUDES BUILDING AUTOMATION SIGNALING) VOLTAGE LEVELS ARE TYPICALLY POWER-LIMITED WHEN COMPARED TO ELECTRICAL POWER CIRCUITS THAT CAN VARY FROM 100 VOLTS ALTERNATING CURRENT (AC) TO 240 VOLTS AC IN COMMERCIAL BUILDINGS. CIRCUITS TYPICALLY USE AN INHERENTLY LIMITED POWER SOURCE WITHOUT OVER-CURRENT PROTECTION OR A NONINHERENTLY LIMITED POWER SOURCE WHERE OVER-CURRENT PROTECTION IS REQUIRED. SINCE TELECOMMUNICATIONS CABLING SYSTEMS ARE NOT USED TO DISTRIBUTE ELECTRICAL POWER, THE SIGNALING THAT OCCURS ON THESE COPPER-BASED SYSTEMS IS GENERALLY DESCRIBED AS LOW VOLTAGE.

MAIN CROSS-CONNECT (MC) - THE CROSS-CONNECT NORMALLY LOCATED IN THE (MAIN) TELECOMMUNICATIONS EQUIPMENT ROOM (ER) FOR CROSS-CONNECTION AND INTERCONNECTION OF ENTRANCE CABLES, FIRST-LEVEL BACKBONE CABLES, AND EQUIPMENT CABLES.

NEAR-END CROSSTALK (NEXT) LOSS - 1. THE UNWANTED SIGNAL COUPLING BETWEEN PAIRS. IT IS MEASURED AT THE END OF A CABLE NEAREST THE POINT OF TRANSMISSION. CONTRAST WITH FAR-END CROSSTALK. 2. THE SIGNAL TRANSFER BETWEEN CIRCUITS AT THE SAME (NEAR) END OF THE CABLE.

NETWORK - A GROUP OF THREE OR MORE NODES THAT CAN COMMUNICATE WITH EACH OTHER, EITHER DIRECTLY THROUGH CABLING OR INDIRECTLY THROUGH REPEATERS TO SEPARATE CABLING.

OUTSIDE PLANT (OSP) - TELECOMMUNICATIONS INFRASTRUCTURE DESIGNED FOR INSTALLATION EXTERIOR TO BUILDINGS.

PAIR - TWO INSULATED WIRES TWISTED AROUND EACH OTHER.

PAIR TWIST - THE UNIFORM TWIST OF AN INSULATED COPPER PAIR THAT HELPS TO REDUCE THE NEGATIVE EFFECTS OF CAPACITANCE IMBALANCE AND ELECTROMAGNETIC INDUCTION.

PATCH CORD - A LENGTH OF CABLE WITH A PLUG ON ONE OR BOTH ENDS.

PATCH PANEL - A CONNECTING HARDWARE SYSTEM THAT FACILITATES CABLE TERMINATION AND CABLING ADMINISTRATION USING PATCH CORDS.

PATHWAY - 1. A SEQUENCE OF CONNECTIONS THAT PROVIDES THE CONNECTIVITY BETWEEN DEVICES ON A NETWORK OR BETWEEN NETWORKS ON AN INTERNETWORK. 2. THE VERTICAL AND HORIZONTAL ROUTE OF THE TELECOMMUNICATIONS CABLE. 3. A FACILITY FOR THE PLACEMENT OF TELECOMMUNICATIONS CABLE. (TIA) 3. A FACILITY FOR THE PLACEMENT OF TELECOMMUNICATIONS CABLE. (TIA)

POWER SUM - USED TO SPECIFY A COMBINATION CROSSTALK FROM MULTIPLE SOURCES.

POWER SUM ATTENUATION-TO-CROSSTALK RATIO - A RATIO IN DB, DETERMINED BY SUBTRACTING THE INSERTION LOSS FROM TH EPOWER SUM NEAR-END CROSSTALK LOSS. (TIA)

POWER SUM EQUAL LEVEL FAR-END CROSSTALK (PSELFEXT) - A COMPUTATION OF THE UNWANTED SIGNAL COUPLING FROM MULTIPLE TRANSMITTERS AT THE NEAR-END INTO A PAIR MEASURED AT THE FAR-END, AND NORMALIZED TO THE RECEIVED SIGNAL LEVEL. (TIA)

POWER SUM NEAR-END CROSSTALK (PSNEXT) LOSS - A COMPUTATION OF THE UNWANTED SIGNAL COUPLING FROM MULTIPLE TRANSMITTERS AT THE NEAR-END INTO A PAIR MEASURED AT THE NEAR-END. (TIA)

PULL TENSION - THE PULLING FORCE THAT CAN BE APPLIED TO A CABLE. (TIA)

PUNCH DOWN - THE PROCESS OF TERMINATING COPPER CABLE CONDUCTORS ON INSULATION DISPLACEMENT CONNECTION TERMINALS BY USE OF A HANDHELD TOOL.

QUEUING - A TECHNIQUE THAT REDUCES TRANSMISSION DELAYS BY CLASSIFYING AND SORTING DATA PRIOR TO PROCESSING BY THE TRANSMITTING DEVICE.

RACEWAY - ANY ENCLOSED CHANNEL DESIGNED FOR HOLDING WIRES OR CABLES. (TIA)

RADIO FREQUENCY INTERFERENCE - ELECTROMAGNETIC INTERFERENCE WITHIN THE FREQUENCY BAND FOR RADIO TRANSMISSION.

RETURN LOSS - A RATIO, EXPRESSED IN DB, OF THE POWER OF THE OUTGOING SIGNAL TO THE POWER OF THE REFLECTED SIGNAL. (TIA)

REVERSED PAIR - A CONDITION IN WHICH THE CONDUCTORS IN A PAIR ARE TERMINATED IN THE WRONG SEQUENCE.

**DEFINITIONS (CONTINUED)**

RIBBON CABLE - AN ASSEMBLY OF CONDUCTORS LAID SIDE BY SIDE IN A GEOMETRIC PLANE AND FASTENED TOGETHER.

SCALABILITY - THE ABILITY OF A NETWORK TO GROW WITHOUT DEGRADATION OF QUALITY.

SERVICE LOOP - A SURPLUS OF CABLE AT THE POINT OF TERMINATION TO FACILITATE POTENTIAL FUTURE CHANGES.

SHIELDED ENCLOSURE CABINET - A METAL ELECTRONICS CABINET CONSTRUCTED WITH WELDED SEAMS AND CONDUCTIVE GASKETS ON THE DOORS THAT SERVE AS AN EFFECTIVE SHIELD AGAINST ELECTROMAGNETIC RADIATION.

SPLIT PAIR - TRANSPORTION OF TWO CONDUCTORS OF SEPARATE PAIRS.

STAR TOPOLOGY - A NETWORK TOPOLOGY IN WHICH SERVICES ARE DISTRIBUTED FROM A CENTRAL POINT.

STRUCTURED CABLING SYSTEM - THE COMPLETE COLLECTIVE CONFIGURATION OF TELECOMMUNICATIONS CABLING AND ASSOCIATED HARDWARE AT A GIVEN LOCATION.

SWEEP - BEND THAT HAS A GENTLE ARC RATHER THAN A SHARP BEND.

TELECOMMUNICATIONS - ANY TRANSMISSION, EMISSION, AND RECEPTION OF SIGNS, SIGNALS, WRITINGS, IMAGES, AND SOUNDS, THAT IS, INFORMATION OF ANY NATURE BY CABLE, RADIO, OPTICAL, OR OTHER ELECTROMAGNETIC SYSTEMS. (TIA)

TELECOMMUNICATIONS BONDING BACKBONE - A CONDUCTOR THAT INTERCONNECTS THE TELECOMMUNICATIONS MAIN GROUNDING BUSBAR (TMGB) TO THE TELECOMMUNICATIONS GROUNDING BUSBAR (TGB). (TIA)

TELECOMMUNICATIONS EQUIPMENT BONDING CONDUCTOR - A CONDUCTOR INSTALLED FROM EACH PIECE OF EQUIPMENT TO THE TELECOMMUNICATIONS GROUNDING BUSBAR OR TELECOMMUNICATIONS MAIN GROUNDING BUSBAR.

TELECOMMUNICATIONS CABINET - AN ENCLOSURE USED FOR TERMINATING TELECOMMUNICATIONS CABLES, WIRING, AND CONNECTION DEVICES WITH A HINGED COVER, USUALLY FLUSH-MOUNTED IN THE WALL. (TIA)

TELECOMMUNICATIONS ENCLOSURE - A CASE OR HOUSING FOR TELECOMMUNICATIONS EQUIPMENT, CABLE TERMINATIONS, AND CROSS-CONNECT CABLING. (TIA)

TELECOMMUNICATIONS ENTRANCE FACILITY - AN ENTRANCE TO A BUILDING FOR BOTH PUBLIC AND PRIVATE NETWORK SERVICE CABLES (INCLUDING WIRELESS) INCLUDING THE ENTRANCE POINT AT THE BUILDING WALL AND CONTINUING TO THE ENTRANCE ROOM OR SPACE. (TIA) 2. A FACILITY THAT PROVIDES ALL NECESSARY MECHANICAL AND ELECTRICAL SERVICES, THAT COMPLIES WITH ALL RELEVANT REGULATIONS, FOR THE ENTRY OF TELECOMMUNICATIONS CABLES INTO A BUILDING. (ISO)

TELECOMMUNICATIONS EQUIPMENT ROOM - AN ENVIRONMENTALLY CONTROLLED CENTRALIZED SPACE FOR TELECOMMUNICATIONS EQUIPMENT THAT USUALLY HOUSES A MAIN OR INTERMEDIATE CROSS-CONNECT. (TIA)

TELECOMMUNICATIONS GROUNDING BUSBAR - A COMMON POINT OF CONNECTION FOR TELECOMMUNICATIONS SYSTEM AND EQUIPMENT BONDING TO GROUND, AND LOCATED IN THE TELECOMMUNICATIONS ROOM OR EQUIPMENT ROOM.

TELECOMMUNICATIONS INFRASTRUCTURE - A COLLECTION OF THOSE TELECOMMUNICATIONS COMPONENTS, EXCLUDING EQUIPMENT, THAT TOGETHER PROVIDE THE BASIC SUPPORT FOR THE DISTRIBUTION OF ALL INFORMATION WITHIN A BUILDING OR CAMPUS.

TELECOMMUNICATIONS MAINTENANCE HOLE - A VAULT LOCATED IN THE GROUND OR EARTH AS PART OF A UNDERGROUND DUCT SYSTEM AND USED TO FACILITY PLACING, CONNECTORIZATION, AND MAINTENANCE OF CABLES AS WELL AS THE PLACING OF ASSOCIATED EQUIPMENT, IN WHICH IT IS EXPECTED THAT A PERSON WILL ENTER TO PERFORM WORK. (TIA)

TELECOMMUNICATIONS MEDIA - WIRE, CABLE, OR CONDUCTORS USED FOR TELECOMMUNICATIONS. (TIA)

TELECOMMUNICATIONS OUTLET/CONNECTOR - A CONNECTING DEVICE IN THE WORK AREA ON WHICH HORIZONTAL CABLE OR OUTLET CABLE TERMINATES.

TELECOMMUNICATION ROOM - AN ENCLOSED ARCHITECTURAL SPACE FOR HOUSING TELECOMMUNICATIONS EQUIPMENT, CABLE TERMINATIONS, AND CROSS-CONNECT CABLING. (TIA)

TELECOMMUNICATIONS SPACE - AN AREA USED FOR HOUSING THE INSTALLATION AND TERMINATION OF TELECOMMUNICATIONS EQUIPMENT AND CABLE (E.G., COMMON EQUIPMENT ROOMS, EQUIPMENT ROOMS, COMMON TELECOMMUNICATIONS ROOMS, TELECOMMUNICATIONS ROOMS, WORK AREAS, MAINTENANCE HOLES/HANDHOLES). (TIA)

TRANPOSED PAIRS - WHEN TWO PAIRS OF CONDUCTORS ARE TERMINATED IN EACH OTHER'S LOCATION.

UNDERGROUND - REFERS TO CONDUIT AND MAINTENANCE HOLES SYSTEMS INSTALLED BELOW THE SURFACE OF THE GROUND.

UNDERGROUND CABLE - A TELECOMMUNICATIONS CABLE DESIGNED TO BE INSTALLED UNDER THE SURFACE OF THE EARTH IN A TROUGH OR DUCT THAT ISOLATES THE CABLE FROM DIRECT CONTACT WITH THE SOIL. (TIA)

UTILITY COLUMN - AN ENCLOSED PATHWAY EXTENDING FROM THE CEILING TO FURNITURE OR TO THE FLOOR THAT FORMS A PATHWAY FOR ELECTRICAL WIRING, TELECOMMUNICATIONS CABLE, OR BOTH. (TIA)

WORK AREA (WORK STATION) - A BUILDING SPACE WHERE THE OCCUPANTS INTERACT WITH TELECOMMUNICATIONS TERMINAL EQUIPMENT. (TIA)

WORK AREA CABLE (CORD) - A CABLE CONNECTING THE TELECOMMUNICATIONS OUTLET/CONNECTOR TO THE TERMINAL EQUIPMENT.

WORK AREA OUTLET - A CONNECTING DEVICE FOR TERMINATION OF HORIZONTAL MEDIA.

**ABBREVIATIONS**

8P8C - EIGHT PIN, EIGHT CONNECTOR UTP CABLE TERMINATION

ACR - ATTENUATION-TO-CROSSTALK RATIO

ANSI - AMERICAN NATIONAL STANDARDS INSTITUTE

AWG - AMERICAN WIRE GAUGE

BAS - BUILDING AUTOMATION SYSTEM

BC - BONDING CONDUCTOR

BCT - BONDING CONDUCTOR FOR TELECOMMUNICATIONS

BICSI - BUILDING INDUSTRY CONSULTING SERVICE INTERNATIONAL

CO-OSP - CUSTOMER-OWNED OUTSIDE PLANT

DB - DECIBEL

DEMARC - DEMARICATION POINT

DPS - DOOR POSITION SWITCH

EAC - ELECTRONIC ACCESS CONTROL

EF - ENTRANCE FACILITY

EIA - ELECTRONIC INDUSTRIES ALLIANCE

EMI - ELECTROMAGNETIC INTERFERENCE

ER - TELECOMMUNICATIONS EQUIPMENT ROOM

FCC - FEDERAL COMMUNICATIONS COMMISSION

GB - GIGABIT

GHZ - GIGAHERTZ

HC - HORIZONTAL CROSS-CONNECT

HZ - HERTZ

IBC - INTERCONNECTING BONDING CONDUCTOR

IC - INTERMEDIATE CROSS-CONNECT

IDC - INSULATION DISPLACEMENT CONNECTION (OR)

IEEE - INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS, INC.

KB - KILOBIT

KB - KILOBYTE

KHZ - KILOHERTZ

KM - KILOMETER

LEC - LOCAL EXCHANGE CARRIER

LAN - LOCAL AREA NETWORK

LASER - LIGHT AMPLIFICATION BY STIMULATED EMISSION OF RADIATION

LED - LIGHT-EMITTING DIODE

MB - MEGABIT

MC - MAIN CROSS-CONNECT

MH - TELECOMMUNICATIONS MAINTENANCE HOLE

MHZ - MEGAHERTZ

MUTO - MULTI-USER TELECOMMUNICATIONS OUTLET

MUTOA - MULTI-USER TELECOMMUNICATIONS OUTLET ASSEMBLY

NOS - NETWORK OPERATING SYSTEM

NEC - NATIONAL ELECTRIC CODE

NFPA - NATIONAL FIRE PROTECTION ASSOCIATION

NTS - NETWORK TRANSPORT SYSTEMS

OS - OPERATING SYSTEM

PSACR - POWER SUM ATTENUATION TO CROSSTALK RATIO

PSELFEXT - POWER SUM EQUAL LEVEL FAR-END CROSSTALK

QOS - QUALITY-OF-SERVICE

RCDD - REGISTERED COMMUNICATIONS DISTRIBUTION DESIGNER

RFI - RADIO FREQUENCY INTERFERENCE

RFID - RADIO FREQUENCY IDENTIFICATION

RGB - RED, GREEN, BLUE

SONET - SYNCHRONOUS OPTICAL NETWORK

SPOOL - SIMULTANEOUS PERIPHERAL OPERATION ONLINE

TBB - TELECOMMUNICATIONS BONDING BACKBONE

TDMM - TELECOMMUNICATIONS DISTRIBUTION METHODS MANUAL

TGB - TELECOMMUNICATIONS GROUNDING BUSBAR

TIA - TELECOMMUNICATIONS INDUSTRY ASSOCIATION

TMGB - TELECOMMUNICATIONS MAIN GROUNDING BUSBAR

TR - TELECOMMUNICATIONS ROOM

UTP - UNSHIELDED TWISTED PAIR

VCSEL - VERTICAL CAVITY SURFACE EMITTING LASER

VGA - VIDEO GRAPHICS ARRAY

VOD - VIDEO-ON-DEMAND

VOIP - VOICE OVER INTERNET PROTOCOL

WAP - WIRELESS ACCESS POINT

WLAN - WIRELESS LOCAL AREA NETWORK

X - CROSS-CONNECT

**TELECOMMUNICATIONS SYS.**

	SCOPE OF WORK	OUTLET INFORMATION	MOUNTING HEIGHT	NOTES
	TELECOMMUNICATIONS OUTLET	ROUGH-IN CABLING 8P8C CONNECTOR(S)	(1) 1" CONDUIT, (1) 2-GANG BOX	+18" A.F.F. WALL MTD. PROVIDE SINGLE REDUCER
	TELECOMMUNICATIONS COUNTERTOP OUTLET	ROUGH-IN CABLING 8P8C CONNECTOR(S)	(1) 1" CONDUIT, (1) 2-GANG BOX	2" ABV. BACKSPASH TO BOTTOM ALIGN WITH POWER RECEPTACLE
	TELECOMMUNICATIONS AUDIO / VIDEO OUTLET	ROUGH-IN CABLING 8P8C CONNECTOR(S)	(2) 1-1/4" CONDUITS (1) 2-GANG BOX	+18" A.F.F. WALL MTD. --
	WIRELESS ACCESS POINT OUTLET (CEILING MOUNTED)	CABLING (UTP)	--	CEILING MOUNTED SEE T-SERIES DRAWINGS FOR LOCATIONS --
	CABLE TRAY	CABLE TRAY AND ASSOCIATED HARDWARE	--	+96" A.F.F. TO BOTTOM REFER TO SPECIFICATIONS FOR FURTHER INFORMATION
	TELECOMMUNICATIONS CABINET	CABINET (AS SPECIFIED)	--	FLOOR MOUNTED --
	TELECOMMUNICATIONS RACK	RACK (AS SPECIFIED)	--	FLOOR MOUNTED --

**SOUND SYSTEMS**

	SCOPE OF WORK	ROUGH-IN INFORMATION	MOUNTING HEIGHT	NOTES
	INTERCOM SPEAKER (CEILING MOUNTED)	CABLING SPEAKER	--	CEILING MOUNTED SEE T-SERIES DRAWINGS FOR LOCATIONS --
	INTERCOM SPEAKER (WALL MOUNTED)	ROUGH-IN CABLING SPEAKER	(1) SINGLE GANG BOX	+96" A.F.F. WALL MTD. --
	INTERCOM SPEAKER HORN (CEILING MOUNTED)	CABLING SPEAKER	--	CEILING MOUNTED SEE T-SERIES DRAWINGS --
	INTERCOM SPEAKER HORN (WALL MOUNTED)	ROUGH-IN CABLING SPEAKER	(1) SINGLE GANG BOX	+96" A.F.F. WALL MTD. --
	MICROPHONE OUTLET (# INDICATES JACK QTY.)	ROUGH-IN CABLING MIC CONNECTOR	(1) SINGLE GANG BOX	+18" A.F.F. WALL MTD. --
	VOLUME CONTROL	ROUGH-IN CABLING, VOLUME CONTROL	(1) SINGLE GANG BOX	+48" A.F.F. WALL MTD. --
	LOCAL SOUND REINFORCEMENT SPEAKER (CEILING MOUNTED)	EXISTING TO REMAIN	--	CEILING MOUNTED SEE RCP --
	LOCAL SOUND REINFORCEMENT SPEAKER (WALL MOUNTED)	(1) 1" CONDUIT, (1) SINGLE GANG BOX	--	+96" A.F.F. WALL MTD. --
	SOUND SYSTEM CENTRAL EQUIPMENT CABINET		--	WALL MOUNTED --
	CALL-IN BUTTON	ROUGH-IN CABLING BUTTON DEVICE	(1) 1" CONDUIT, (1) SINGLE GANG BOX	+48" A.F.F. WALL MTD. --
	BUTTON	ROUGH-IN CABLING BUTTON DEVICE	(1) 1" CONDUIT, (1) SINGLE GANG BOX	+48" A.F.F. WALL MTD. --
	WALL MOUNTED CLOCK	EXISTING TO REMAIN	(1) 1" CONDUIT, (1) SINGLE GANG BOX	+96" A.F.F. WALL MTD. --
	RINGER / BELL DEVICE	ROUGH-IN CABLING BELL DEVICE	(1) 1" CONDUIT, (1) SINGLE GANG BOX	+96" A.F.F. WALL MTD. --

**SECURITY SYSTEMS**

	SCOPE OF WORK	OUTLET INFORMATION	MOUNTING HEIGHT	NOTES
	SURVEILLANCE CAMERA (CEILING MOUNTED)	UTP CABLING	--	CEILING MOUNTED SEE T-SERIES DRAWINGS FOR LOCATIONS --
	SURVEILLANCE CAMERA (WALL MOUNTED)	ROUGH-IN, UTP CABLING	(1) 1" CONDUIT, (1) SINGLE GANG BOX	+96" A.F.F. WALL MTD. --
	CARD READER	ROUGH-IN CABLING CARD READER	(1) 1" CONDUIT, (1) SINGLE GANG BOX	+48" A.F.F. WALL MTD. --
	ELECTRONIC ACCESS CONTROL INTERFACE	CABLING CONTROL MODULE	--	ABOVE ACCESSIBLE CEILING PROVIDE Belden PN: 655AFJ (or equal) CABLE FROM PANEL TO DOOR. SEE EAC DOOR SCHEMATIC DIAGRAM
	VIDEO INTERCOM STATION (WALL MOUNTED)	ROUGH-IN CABLING, DEVICE	(1) 1" CONDUIT, (1) SINGLE GANG BOX	+48" A.F.F. WALL MTD. --
	VIDEO INTERCOM MASTER STATION (ON DESK)	ROUGH-IN CABLING, DEVICE	(1) 1" CONDUIT	ON DESK --

**VIDEO SYSTEMS**

	SCOPE OF WORK	OUTLET INFORMATION	MOUNTING HEIGHT	NOTES
	CEILING MOUNTED DISPLAY MONITOR	MOUNT, CABLING, MONITOR	--	AS NOTED ON PLANS --
	WALL-MOUNTED DISPLAY MONITOR	ROUGH-IN, MOUNT CABLING, MONITOR	(2) 1 1/4" CONDUIT, (1) 2-GANG BOX	AS NOTED ON PLANS --
	CEILING-MOUNT PROJECTOR	ROUGH-IN, MOUNT, CABLING, PROJECTOR	PROJECTOR CEILING PAN	SEE T-SERIES DRAWINGS FOR LOCATIONS SEE PROJECTOR PAN DETAIL
	WALL-MOUNT PROJECTOR	ROUGH-IN, MOUNT CABLING, PROJECTOR	(2) 1 1/4" CONDUIT, (1) 2-GANG BOX	--



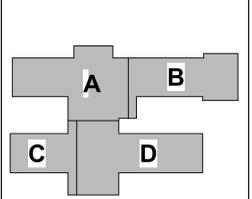
Project No. 2022-086.TGR  
 Project Date 08.29.2023  
 Produced MD



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#	Revision	Date

4223 W 350 N  
 Kokomo, IN 46901



**NORTHWESTERN SCHOOL CORPORATION**

**NORTHWESTERN ELEMENTARY SCHOOL**

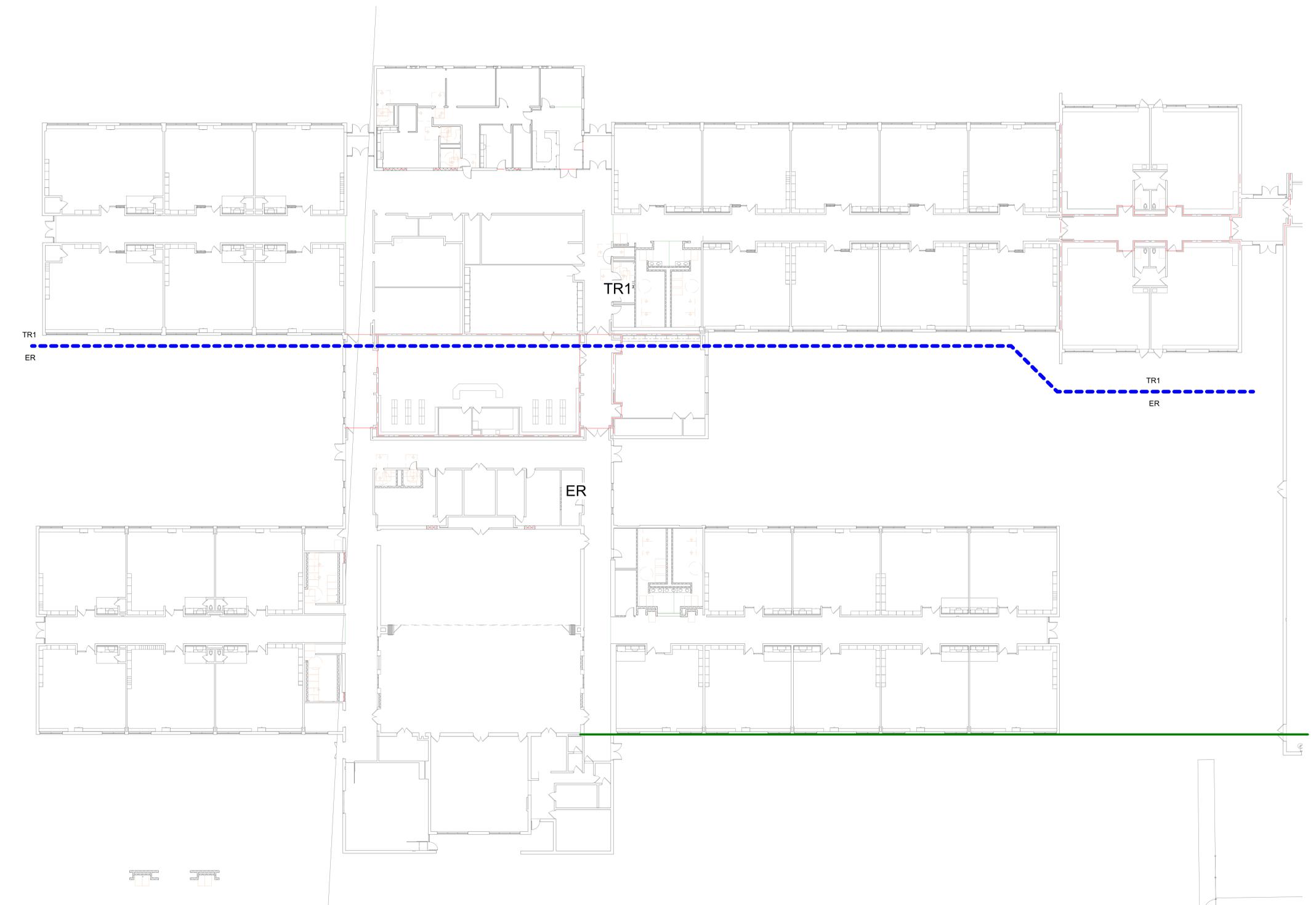
**TELECOMMUNICATIONS SYMBOLS AND ABBREVIATIONS**

**1-T-001**

1. ALL TELECOMMUNICATIONS SYMBOLS AND ABBREVIATIONS SHOWN ON THESE DRAWINGS SHALL BE IN ACCORDANCE WITH THE TELECOMMUNICATIONS SYMBOLS AND ABBREVIATIONS MANUAL, 6TH EDITION, 2002, PUBLISHED BY THE TELECOMMUNICATIONS INDUSTRY ASSOCIATION (TIA).  
 2. THE TELECOMMUNICATIONS SYMBOLS AND ABBREVIATIONS MANUAL, 6TH EDITION, 2002, PUBLISHED BY THE TELECOMMUNICATIONS INDUSTRY ASSOCIATION (TIA).  
 3. THE TELECOMMUNICATIONS SYMBOLS AND ABBREVIATIONS MANUAL, 6TH EDITION, 2002, PUBLISHED BY THE TELECOMMUNICATIONS INDUSTRY ASSOCIATION (TIA).

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

*Sarah K. Hempstead*

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#	Revision	Date

4223 W 350 N  
 Kokomo, IN 46901

KEY PLAN

**NORTHWESTERN SCHOOL CORPORATION**

**NORTHWESTERN ELEMENTARY SCHOOL**

1 - ELEMENTARY UTP CABLE ZONING PLAN  
 1-TZ100

1 - ELEMENTARY CABLE ZONING PLAN  
 1/16" = 1'-0"

6 5 4 3 2 1

DATE: 08/29/2023 10:48 AM  
 DRAWN BY: SCHMIDT ASSOCIATES  
 CHECKED BY: SCHMIDT ASSOCIATES  
 PROJECT: NORTHWESTERN SCHOOL CORPORATION  
 SHEET: 1-TZ100

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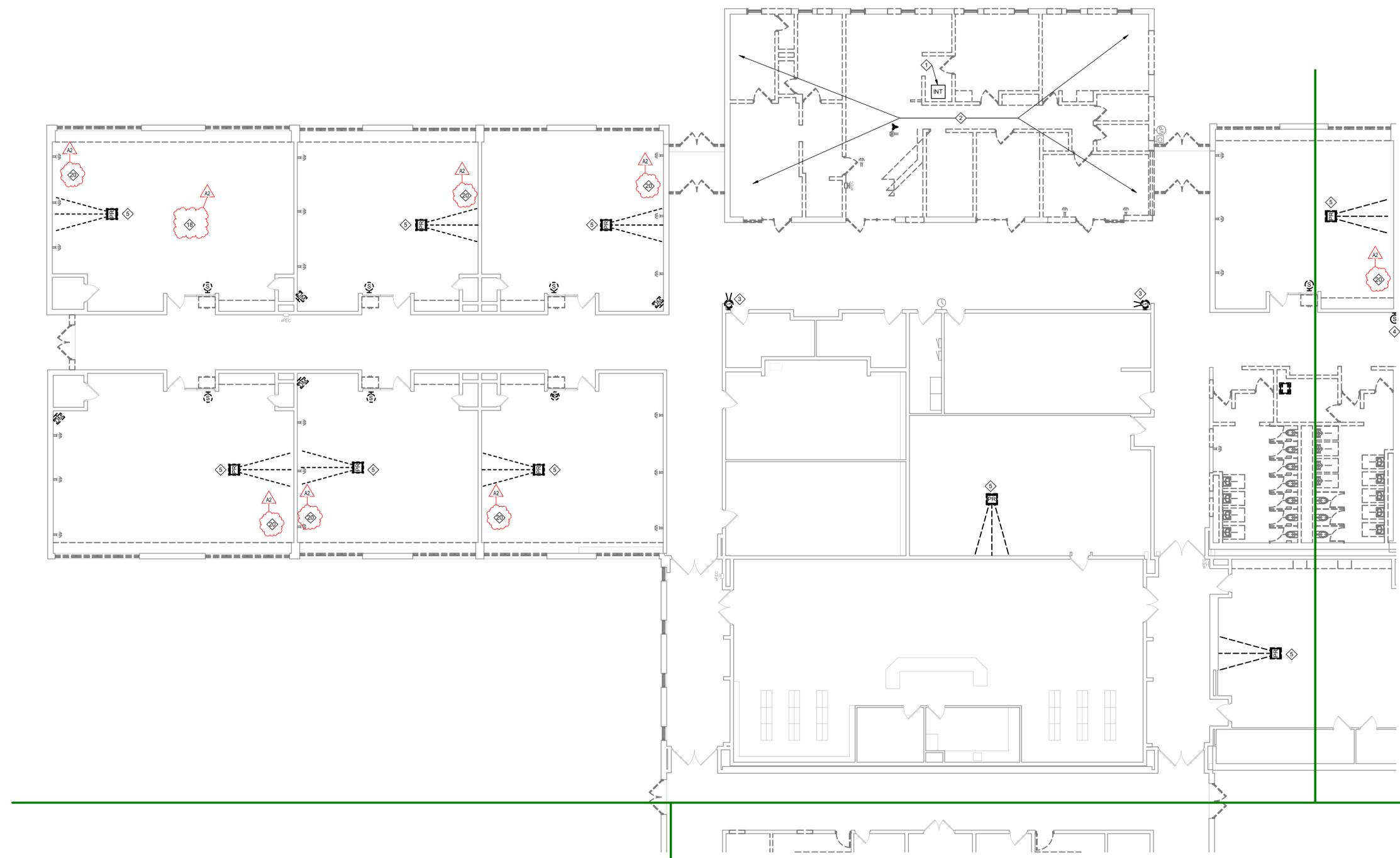
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DEMOLITION PLAN NOTES	
#	NOTES
1	EXISTING INTERCOM CENTRAL AND EQUIPMENT TO BE REMOVED COMPLETE.
2	ALL EXISTING DATA CABLING AND INTERCOM WIRING AND SPEAKERS IN ADMIN SUITE TO BE REMOVED COMPLETE.
3	EXISTING WALL MOUNTED CAMERAS TO BE REMOVED COMPLETE.
4	EXISTING WALL MOUNTED INTERCOM SPEAKERS TO BE REMOVED COMPLETE.
5	EXISTING PROJECTOR, MOUNT, AND CABLING TO BE REMOVED COMPLETE.
6	EXISTING TELECOMMUNICATIONS RACK AND ALL ASSOCIATED WIRING TO BE REMOVED COMPLETE.
7	EXISTING FIBER OPTIC LINE THAT SERVES THE ATHLETIC FIELDS TO REMAIN AND BE MAINTAINED IN PLACE.
8	EXISTING GYM SOUND RACK TO BE RE-LOCATED. SEE SHEET 2-TF1D1 FOR NEW LOCATION.
9	EXISTING ELECTRONIC ACCESS CONTROL PANELS TO REMAIN.
10	EXISTING TELECOMMUNICATIONS RACK TO BE RELOCATED. SEE SHEET 2-TF1E1 FOR NEW LOCATION. REMOVE ALL DATA CABLING COMPLETE.
11	EXISTING HIGH SCHOOL INTERCOM CABINET AND EQUIPMENT TO BE REMOVED COMPLETE. MAINTAIN SPEAKER WIRING IN THE EVENT ALTERNATE IS NOT ACCEPTED.
12	EXISTING COAX CABLING TO BE REMOVED COMPLETE.
13	EXISTING MOTORIZED PROJECTION SCREEN TO BE REMOVED COMPLETE.
14	EXISTING MIDDLE SCHOOL INTERCOM CENTRAL EQUIPMENT, CABINET AND EQUIPMENT TO BE REMOVED COMPLETE. MAINTAIN SPEAKER WIRING TO BE USED IN THE EVENT THE ALTERNATE IS NOT ACCEPTED.
15	HS AND MS WIRING AND SPEAKER REPLACEMENTS ARE ALTERNATES. IF ALTERNATES ARE NOT ACCEPTED, EXTEND EXISTING WIRING TO NEW INTERCOM CENTRAL EQUIPMENT LOCATION.
16	EXISTING TELECOMMUNICATIONS RACK TO BE RELOCATED. SEE SHEET 2-TF1L1 FOR NEW LOCATION.
17	EXISTING TELECOMMUNICATIONS RACK TO BE REMOVED COMPLETE.
18	CONTRACTOR SHALL REMOVE ALL CABLING AND POWER POLE(S) SUSPENDED ABOVE CEILING COMPLETE.
19	EXISTING DIRECTV HEADEND EQUIPMENT TO BE REMOVED AND COAX CABLING TO ALL CLASSROOMS TO BE REMOVED COMPLETE.
20	CONTRACTOR SHALL REMOVE ALL EXISTING DATA, A/V, AND TELEPHONE CABLING INCLUDING SURFACE RACEWAY COMPLETE.

GENERAL DEMOLITION NOTES	
#	NOTES
A	REFER TO SHEET T-001 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	THE OWNER HOLDS RIGHT OF FIRST REFUSAL FOR ALL DEMOLISHED TELECOMMUNICATIONS EQUIPMENT/CABLING.
F	ALL TELECOMMUNICATION ITEMS SHOWN WITH LIGHT LINEWORK ARE EXISTING TO REMAIN.
G	REMOVE ALL TELECOMMUNICATION ITEMS SHOWN WITH BOLD/DASHED LINEWORK COMPLETE.
H	PROVIDE ALL CUTTING AND PATCHING AS REQUIRED FOR THE REMOVAL OF EXISTING TELECOMMUNICATION EQUIPMENT/CABLING. REFER TO SPECIFICATIONS.
J	PROVIDE A BLANK COVER PLATE FOR ALL EXISTING WALL OPENINGS WHERE TELECOMMUNICATION CABLING HAS BEEN REMOVED AND NOT REPLACED. IN AREAS RECEIVING NEW WALL TREATMENTS, PATCH THE EXISTING OPENING.
K	REFER TO A, M, AND P-SERIES DRAWINGS FOR AREAS WITH ABOVE CEILING WORK AND/OR CEILING REMOVAL. TEMPORARILY SUPPORT ALL TELECOMMUNICATIONS DEVICES, SPEAKERS, ETC. AS REQUIRED. RE-INSTALL TELECOMMUNICATIONS ITEMS FOLLOWING THE COMPLETION OF WORK IN THE NEW OR EXISTING CEILING.
L	OWNER TO REMOVE ALL WIRELESS ACCESS POINTS IN CEILING PRIOR TO CABLE DEMOLITION.
M	ALL ABANDONED ANALOG PHONE EQUIPMENT AND CABLING TO BE REMOVED COMPLETE.



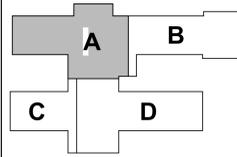
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#	Revision	Date
A2	ADDENDUM #2	09.19.2023

4223 W 350 N  
 Kokomo, IN 46901



NORTHWESTERN  
 SCHOOL  
 CORPORATION



NORTHWESTERN  
 ELEMENTARY SCHOOL

1 - FIRST FLOOR ES  
 TELECOMMUNICATIONS  
 DEMO PLAN - UNIT A

1-TD1A1

1 ES FIRST FLOOR TELECOMMUNICATIONS DEMO PLAN - UNIT A  
 1/8" = 1'-0"

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10/26/23 - 1:10 PM - 1:15 PM - 1:20 PM - 1:25 PM - 1:30 PM - 1:35 PM - 1:40 PM - 1:45 PM - 1:50 PM - 1:55 PM - 2:00 PM - 2:05 PM - 2:10 PM - 2:15 PM - 2:20 PM - 2:25 PM - 2:30 PM - 2:35 PM - 2:40 PM - 2:45 PM - 2:50 PM - 2:55 PM - 3:00 PM - 3:05 PM - 3:10 PM - 3:15 PM - 3:20 PM - 3:25 PM - 3:30 PM - 3:35 PM - 3:40 PM - 3:45 PM - 3:50 PM - 3:55 PM - 4:00 PM - 4:05 PM - 4:10 PM - 4:15 PM - 4:20 PM - 4:25 PM - 4:30 PM - 4:35 PM - 4:40 PM - 4:45 PM - 4:50 PM - 4:55 PM - 5:00 PM - 5:05 PM - 5:10 PM - 5:15 PM - 5:20 PM - 5:25 PM - 5:30 PM - 5:35 PM - 5:40 PM - 5:45 PM - 5:50 PM - 5:55 PM - 6:00 PM - 6:05 PM - 6:10 PM - 6:15 PM - 6:20 PM - 6:25 PM - 6:30 PM - 6:35 PM - 6:40 PM - 6:45 PM - 6:50 PM - 6:55 PM - 7:00 PM - 7:05 PM - 7:10 PM - 7:15 PM - 7:20 PM - 7:25 PM - 7:30 PM - 7:35 PM - 7:40 PM - 7:45 PM - 7:50 PM - 7:55 PM - 8:00 PM - 8:05 PM - 8:10 PM - 8:15 PM - 8:20 PM - 8:25 PM - 8:30 PM - 8:35 PM - 8:40 PM - 8:45 PM - 8:50 PM - 8:55 PM - 9:00 PM - 9:05 PM - 9:10 PM - 9:15 PM - 9:20 PM - 9:25 PM - 9:30 PM - 9:35 PM - 9:40 PM - 9:45 PM - 9:50 PM - 9:55 PM - 10:00 PM - 10:05 PM - 10:10 PM - 10:15 PM - 10:20 PM - 10:25 PM - 10:30 PM - 10:35 PM - 10:40 PM - 10:45 PM - 10:50 PM - 10:55 PM - 11:00 PM - 11:05 PM - 11:10 PM - 11:15 PM - 11:20 PM - 11:25 PM - 11:30 PM - 11:35 PM - 11:40 PM - 11:45 PM - 11:50 PM - 11:55 PM - 12:00 PM - 12:05 PM - 12:10 PM - 12:15 PM - 12:20 PM - 12:25 PM - 12:30 PM - 12:35 PM - 12:40 PM - 12:45 PM - 12:50 PM - 12:55 PM - 1:00 PM - 1:05 PM - 1:10 PM - 1:15 PM - 1:20 PM - 1:25 PM - 1:30 PM - 1:35 PM - 1:40 PM - 1:45 PM - 1:50 PM - 1:55 PM - 2:00 PM - 2:05 PM - 2:10 PM - 2:15 PM - 2:20 PM - 2:25 PM - 2:30 PM - 2:35 PM - 2:40 PM - 2:45 PM - 2:50 PM - 2:55 PM - 3:00 PM - 3:05 PM - 3:10 PM - 3:15 PM - 3:20 PM - 3:25 PM - 3:30 PM - 3:35 PM - 3:40 PM - 3:45 PM - 3:50 PM - 3:55 PM - 4:00 PM - 4:05 PM - 4:10 PM - 4:15 PM - 4:20 PM - 4:25 PM - 4:30 PM - 4:35 PM - 4:40 PM - 4:45 PM - 4:50 PM - 4:55 PM - 5:00 PM - 5:05 PM - 5:10 PM - 5:15 PM - 5:20 PM - 5:25 PM - 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1:35 PM - 1:40 PM - 1:45 PM - 1:50 PM - 1:55 PM - 2:00 PM - 2:05 PM - 2:10 PM - 2:15 PM - 2:20 PM - 2:25 PM - 2:30 PM - 2:35 PM - 2:40 PM - 2:45 PM - 2:50 PM - 2:55 PM - 3:00 PM - 3:05 PM - 3:10 PM - 3:15 PM - 3:20 PM - 3:25 PM - 3:30 PM - 3:35 PM - 3:40 PM - 3:45 PM - 3:50 PM - 3:55 PM - 4:00 PM - 4:05 PM - 4:10 PM - 4:15 PM - 4:20 PM - 4:25 PM - 4:30 PM - 4:35 PM - 4:40 PM - 4:45 PM - 4:50 PM - 4:55 PM - 5:00 PM - 5:05 PM - 5:10 PM - 5:15 PM - 5:20 PM - 5:25 PM - 5:30 PM - 5:35 PM - 5:40 PM - 5:45 PM - 5:50 PM - 5:55 PM - 6:00 PM - 6:05 PM - 6:10 PM - 6:15 PM - 6:20 PM - 6:25 PM - 6:30 PM - 6:35 PM - 6:40 PM - 6:45 PM - 6:50 PM - 6:55 PM - 7:00 PM - 7:05 PM - 7:10 PM - 7:15 PM - 7:20 PM - 7:25 PM - 7:30 PM - 7:35 PM - 7:40 PM - 7:45 PM - 7:50 PM - 7:55 PM - 8:00 PM - 8:05 PM - 8:10 PM - 8:15 PM - 8:20 PM - 8:25 PM - 8:30 PM - 8:35 PM - 8:40 PM - 8:45 PM - 8:50 PM - 8:55 PM - 9:00 PM - 9:05 PM - 9:10 PM - 9:15 PM - 9:20 PM - 9:25 PM - 9:30 PM - 9:35 PM - 9:40 PM - 9:45 PM - 9:50 PM - 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2:05 PM - 2:10 PM - 2:15 PM - 2:20 PM - 2:25 PM - 2:30 PM - 2:35 PM - 2:40 PM - 2:45 PM - 2:50 PM - 2:55 PM - 3:00 PM - 3:05 PM - 3:10 PM - 3:15 PM - 3:20 PM - 3:25 PM - 3:30 PM - 3:35 PM - 3:40 PM - 3:45 PM - 3:50 PM - 3:55 PM - 4:00 PM - 4:05 PM - 4:10 PM - 4:15 PM - 4:20 PM - 4:25 PM - 4:30 PM - 4:35 PM - 4:40 PM - 4:45 PM - 4:50 PM - 4:55 PM - 5:00 PM - 5:05 PM - 5:10 PM - 5:15 PM - 5:20 PM - 5:25 PM - 5:30 PM - 5:35 PM - 5:40 PM - 5:45 PM - 5:50 PM - 5:55 PM - 6:00 PM - 6:05 PM - 6:10 PM - 6:15 PM - 6:20 PM - 6:25 PM - 6:30 PM - 6:35 PM - 6:40 PM - 6:45 PM - 6:50 PM - 6:55 PM - 7:00 PM - 7:05 PM - 7:10 PM - 7:15 PM - 7:20 PM - 7:25 PM - 7:30 PM - 7:35 PM - 7:40 PM - 7:45 PM - 7:50 PM - 7:55 PM - 8:00 PM - 8:05 PM - 8:10 PM - 8:15 PM - 8:20 PM - 8:25 PM - 8:30 PM - 8:35 PM - 8:40 PM - 8:45 PM - 8:50 PM - 8:55 PM - 9:00 PM - 9:05 PM - 9:10 PM - 9:15 PM - 9:20 PM - 9:25 PM - 9:30 PM - 9:35 PM - 9:40 PM - 9:45 PM - 9:50 PM - 9:55 PM - 10:00 PM - 10:05 PM - 10:10 PM - 10:15 PM - 10:20 PM - 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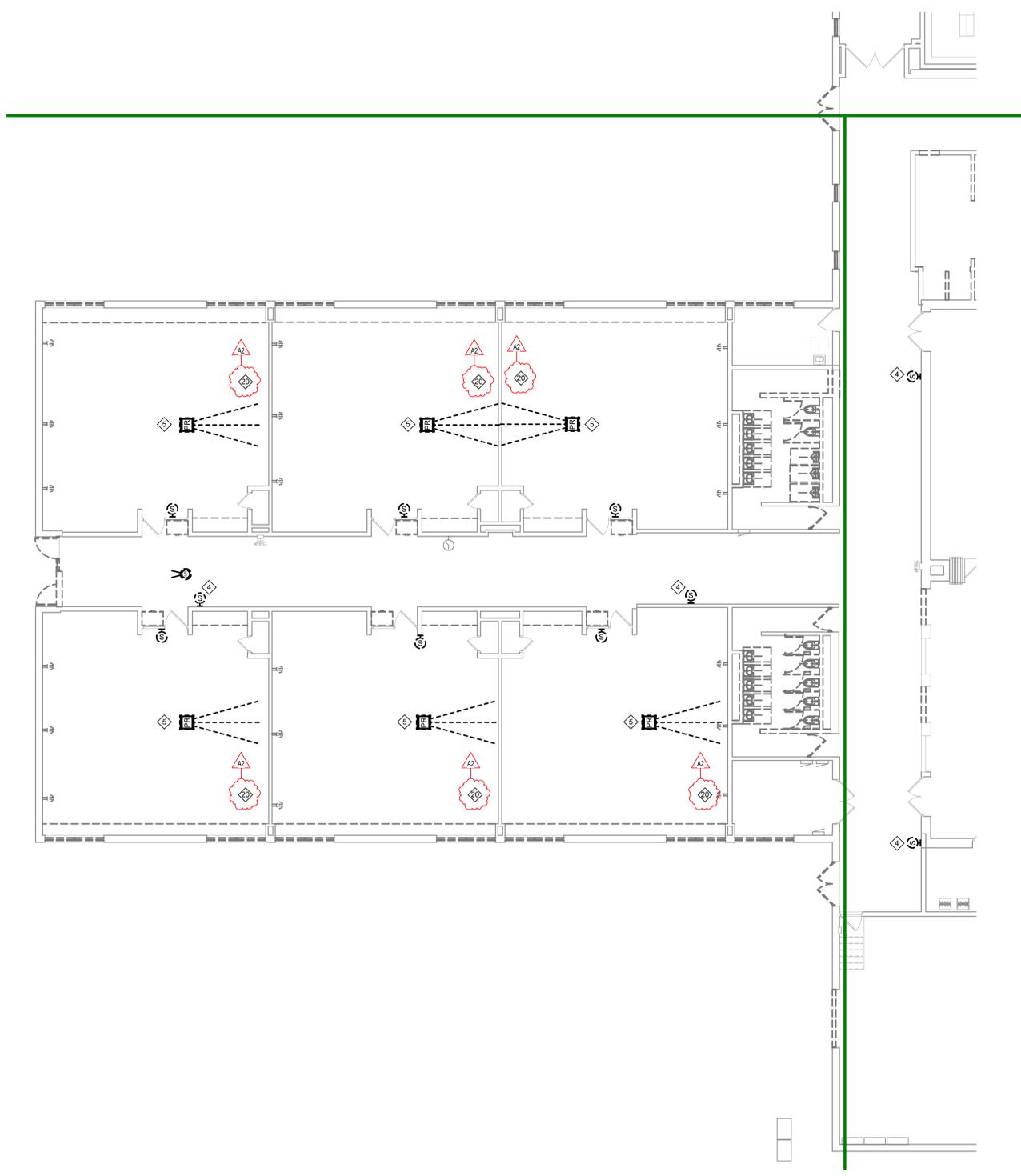
E

D

C

B

A



GENERAL DEMOLITION NOTES	
#	NOTES
A	REFER TO SHEET T-001 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	THE OWNER HOLDS RIGHT OF FIRST REFUSAL FOR ALL DEMOLISHED TELECOMMUNICATIONS EQUIPMENT/CABLING.
F	ALL TELECOMMUNICATION ITEMS SHOWN WITH LIGHT LINEWORK ARE EXISTING TO REMAIN.
G	REMOVE ALL TELECOMMUNICATION ITEMS SHOWN WITH BOLD/DASHED LINEWORK COMPLETE.
H	PROVIDE ALL CUTTING AND PATCHING AS REQUIRED FOR THE REMOVAL OF EXISTING TELECOMMUNICATION EQUIPMENT/CABLING. REFER TO SPECIFICATIONS.
J	PROVIDE A BLANK COVER PLATE FOR ALL EXISTING WALL OPENINGS WHERE TELECOMMUNICATION CABLING HAS BEEN REMOVED AND NOT REPLACED. IN AREAS RECEIVING NEW WALL TREATMENTS, PATCH THE EXISTING OPENING.
K	REFER TO A, M, AND P-SERIES DRAWINGS FOR AREAS WITH ABOVE CEILING WORK AND/OR CEILING REMOVAL. TEMPORARILY SUPPORT ALL TELECOMMUNICATIONS DEVICES, SPEAKERS, ETC. AS REQUIRED. RE-INSTALL TELECOMMUNICATIONS ITEMS FOLLOWING THE COMPLETION OF WORK IN THE NEW OR EXISTING CEILINGS.
L	OWNER TO REMOVE ALL WIRELESS ACCESS POINTS IN CEILING PRIOR TO CABLE DEMOLITION.
M	ALL ABANDONED TELECOMMUNICATIONS TO BE REMOVED COMPLETE.
DEMOLITION PLAN NOTES	
#	NOTES
1	EXISTING INTERCOM CENTRAL AND EQUIPMENT TO BE REMOVED COMPLETE.
2	ALL EXISTING DATA CABLING AND INTERCOM WIRING AND SPEAKERS IN ADMIN SUITE TO BE REMOVED COMPLETE.
3	EXISTING WALL MOUNTED CAMERAS TO BE REMOVED COMPLETE.
4	EXISTING WALL MOUNTED INTERCOM SPEAKERS TO BE REMOVED COMPLETE.
5	EXISTING PROJECTOR, MOUNT, AND CABLING TO BE REMOVED COMPLETE.
6	EXISTING TELECOMMUNICATIONS RACK AND ALL ASSOCIATED WIRING TO BE REMOVED COMPLETE.
7	EXISTING FIBER OPTIC LINE THAT SERVES THE ATHLETIC FIELDS TO REMAIN AND BE MAINTAINED IN PLACE.
8	EXISTING GYM SOUND RACK TO BE RE-LOCATED. SEE SHEET 2-TF1D1 FOR NEW LOCATION.
9	EXISTING ELECTRONIC ACCESS CONTROL PANELS TO REMAIN.
10	EXISTING TELECOMMUNICATIONS RACK TO BE RE-LOCATED. SEE SHEET 2-TF1E1 FOR NEW LOCATION. REMOVE ALL DATA CABLING COMPLETE.
11	EXISTING HIGH SCHOOL INTERCOM CABINET AND EQUIPMENT TO BE REMOVED COMPLETE. MAINTAIN SPEAKER WIRING IN THE EVENT ALTERNATE IS NOT ACCEPTED.
12	EXISTING COAX CABLING TO BE REMOVED COMPLETE.
13	EXISTING MOTORIZED PROJECTION SCREEN TO BE REMOVED COMPLETE.
14	EXISTING MIDDLE SCHOOL INTERCOM CENTRAL EQUIPMENT, CABINET AND EQUIPMENT TO BE REMOVED COMPLETE. MAINTAIN SPEAKER WIRING TO BE USED IN THE EVENT THE ALTERNATE IS NOT ACCEPTED.
15	HS AND MS WIRING AND SPEAKER REPLACEMENTS ARE ALTERNATES. IF ALTERNATES ARE NOT ACCEPTED, EXTEND EXISTING WIRING TO NEW INTERCOM CENTRAL EQUIPMENT LOCATION.
16	EXISTING TELECOMMUNICATIONS RACK TO BE RE-LOCATED. SEE SHEET 2-TF1L1 FOR NEW LOCATION.
17	EXISTING TELECOMMUNICATIONS RACK TO BE REMOVED COMPLETE.
18	CONTRACTOR SHALL REMOVE ALL CABLING AND POWER POLE(S) SUSPENDED ABOVE CEILING COMPLETE.
19	EXISTING DIRECTLY HEADEND EQUIPMENT TO BE REMOVED AND COAX CABLING TO ALL CLASSROOMS TO BE REMOVED COMPLETE.
20	CONTRACTOR SHALL REMOVE ALL EXISTING DATA, A/V, AND TELEPHONE CABLING INCLUDING SURFACE RACEWAY COMPLETE.



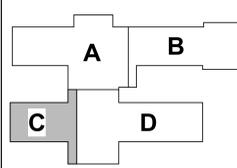
Project No. 2022-086.TGR  
 Project Date 08.29.2023  
 Produced MD



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#	Revision	Date
A2	ADDENDUM #2	09.19.2023

4223 W 350 N  
 Kokomo, IN 46901



KEY PLAN

NORTHWESTERN SCHOOL CORPORATION



NORTHWESTERN ELEMENTARY SCHOOL

1 - FIRST FLOOR ES TELECOMMUNICATIONS DEMO PLAN - UNIT C

1-TD1C1

10/2023 1 - 1000 PLANS BY SCHMIDT ASSOCIATES, INC. (A/E/C)  
 2023 THE NORTHWESTERN SCHOOL CORPORATION/INDIANA PUBLIC SCHOOLS  
 415 MASSACHUSETTS AVE., INDIANAPOLIS, IN 46204  
 317.263.6226  
 10/2023 10/2023

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**DEMOLITION PLAN NOTES**

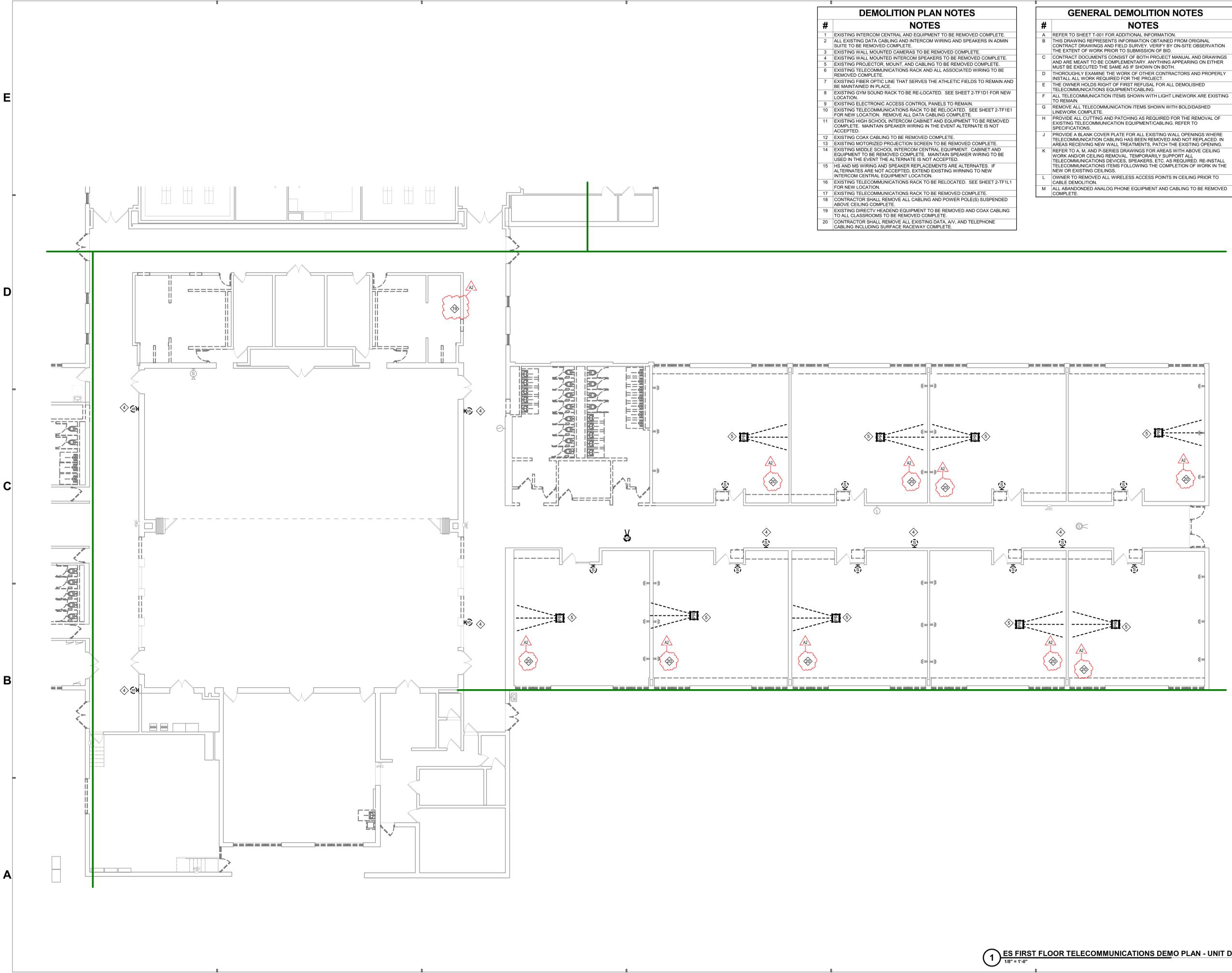
**# NOTES**

- EXISTING INTERCOM CENTRAL AND EQUIPMENT TO BE REMOVED COMPLETE.
- ALL EXISTING DATA CABLING AND INTERCOM WIRING AND SPEAKERS IN ADMIN SUITE TO BE REMOVED COMPLETE.
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**GENERAL DEMOLITION NOTES**

**# NOTES**

- REFER TO SHEET T-001 FOR ADDITIONAL INFORMATION.
- 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.
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- THOROUGHLY EXAMINE THE WORK OF OTHER CONTRACTORS AND PROPERLY INSTALL ALL WORK REQUIRED FOR THE PROJECT.
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- ALL TELECOMMUNICATION ITEMS SHOWN WITH LIGHT LINEWORK ARE EXISTING TO REMAIN.
- REMOVE ALL TELECOMMUNICATION ITEMS SHOWN WITH BOLD/DASHED LINEWORK COMPLETE.
- PROVIDE ALL CUTTING AND PATCHING AS REQUIRED FOR THE REMOVAL OF EXISTING TELECOMMUNICATION EQUIPMENT/CABLING. REFER TO SPECIFICATIONS.
- PROVIDE A BLANK COVER PLATE FOR ALL EXISTING WALL OPENINGS WHERE TELECOMMUNICATION CABLING HAS BEEN REMOVED AND NOT REPLACED. IN AREAS RECEIVING NEW WALL TREATMENTS, PATCH THE EXISTING OPENING.
- REFER TO A, M, AND P-SERIES DRAWINGS FOR AREAS WITH ABOVE CEILING WORK AND/OR CEILING REMOVAL. TEMPORARILY SUPPORT ALL TELECOMMUNICATIONS DEVICES, SPEAKERS, ETC. AS REQUIRED. RE-INSTALL TELECOMMUNICATIONS ITEMS FOLLOWING THE COMPLETION OF WORK IN THE NEW OR EXISTING CEILINGS.
- OWNER TO REMOVED ALL WIRELESS ACCESS POINTS IN CEILING PRIOR TO CABLE DEMOLITION.
- ALL ABANDONED ANALOG PHONE EQUIPMENT AND CABLING TO BE REMOVED COMPLETE.



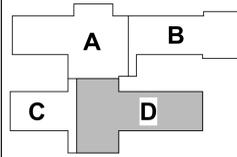
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4223 W 350 N  
 Kokomo, IN 46901



KEY PLAN

NORTHWESTERN SCHOOL CORPORATION



NORTHWESTERN ELEMENTARY SCHOOL

1 - FIRST FLOOR ES TELECOMMUNICATIONS DEMO PLAN - UNIT D

1-TD1D1

1 ES FIRST FLOOR TELECOMMUNICATIONS DEMO PLAN - UNIT D  
 1/8" = 1'-0"

10/11/2023 10:58 AM  
 PROJECT: 2022-086.TGR  
 SHEET: 1-TD1D1  
 DRAWING TITLE: NORTHWESTERN SCHOOL CORPORATION - NORTHWESTERN ELEMENTARY SCHOOL  
 ARCHITECT: SCHMIDT ASSOCIATES  
 ENGINEER: SARAH K. HEMPSTEAD



**GENERAL TELECOMMUNICATIONS NOTES**

#	NOTES
A	REFER TO SHEET T-001 FOR ADDITIONAL INFORMATION.

**TELECOMMUNICATIONS PLAN NOTES**

#	NOTES
1	EXISTING TELECOMMUNICATIONS WALL MOUNTED CABINET TO REMAIN.
2	PROVIDE ROUGH-IN FOR WIRELESS ACCESS POINT AT 8'-4" A.F.F.
3	PROVIDE ROUGH-IN FOR INTERCOM SPEAKER HORN AT 8'-4" A.F.F.
4	PROVIDE ROUGH-IN AND POWER FOR MONITOR AT 6'-4" A.F.F.
5	PROVIDE TELECOMMUNICATIONS RACK AS SPECIFIED.
6	PROVIDE CABLE TRAY AS SPECIFIED.
7	PROVIDE (2) 4" SLEEVES FROM CORRIDOR TO TECH (B111a)
8	EXISTING FIBER OPTIC CABLING THAT SERVES THE ATHLETIC FIELDS TO REMAIN.
9	PROVIDE CABLING AND CONTACTS FOR DOOR MONITORING AS SPECIFIED.
10	NEW LOCATION FOR EXISTING GYM SOUND SYSTEM RACK AND EQUIPMENT. INSTALL ON WALL ABOVE CABINET.
11	RELOCATED TELECOMMUNICATIONS RACK.
12	PROVIDE ROUGH-IN FOR OWNER PROVIDED TIME CLOCK AT 52" A.F.F.
13	PROVIDE FSR PWB-250-WHT BACK BOX AT 7'-6" A.F.F. PROVIDE (2) 1-1/4" EMT CONDUITS TO ABOVE CEILING.
14	EXISTING VIDEO SURVEILLANCE CAMERA WILL REQUIRE NEW CAT 6 CABLING TO NEW TELECOM ROOM IN MIDDLE SCHOOL.
15	PROVIDE 4" CONDUIT TO SECOND FLOOR. SEE SHEET 2-TF12 FOR LOCATION.
16	PROVIDE 4" CONDUIT TO HALLWAY.
17	PROVIDE ROUGH-IN FOR OWNER PROVIDED MONITOR AT 6'-0" A.F.F.
18	EXISTING RACK RELOCATED HERE.
19	STUB UP IN STORAGE (L216) SECOND FLOOR.
20	STUB UP LOCATION OF 4" EMT CONDUIT FROM FIRST FLOOR TELECOM ROOM. ROUTE CONDUIT TO ABOVE HALLWAY CEILING AND TURN CONDUIT INTO HALLWAY.
21	PROVIDE NEW UTP DATA CABLING FOR EXISTING VIDEO SURVEILLANCE CAMERA.
22	PROVIDE NEW UTP DATA CABLING. RE-USE EXISTING PATHWAY.
23	PROVIDE NEW UTP DATA CABLING FOR OWNER PROVIDED WIRELESS ACCESS POINT AT 8' A.F.F.
24	PROVIDE NEW UTP DATA CABLING FOR OWNER PROVIDED VIDEO SURVEILLANCE CAMERA AT 8' A.F.F.
25	PROVIDE DATA CABLING COILED ABOVE CEILING FOR OWNER PROVIDED VAPE DETECTION DEVICES.
26	PROVIDE DATA CABLING FOR EXISTING CAMERAS. QUANTITY AND LOCATION NOT KNOWN AT THE TIME OF THESE DRAWINGS. ASSUME (4) FOR BIDDING PURPOSES.
27	PROVIDE MONITOR ROUGH-IN AND POWER AT 7'-0" A.F.F. FOR RELOCATED EXISTING MONITOR.
28	PROVIDE MIDDLE ATLANTIC CWR-12-22PD WALL MOUNTED CABINET ABOVE SOUND EQUIPMENT RACK. SEE SHEET 2-T-502 FOR BACKBONE CABLING INFORMATION. THIS CABINET WILL SERVE THE DATA CABLING FOR UNIT D.
29	PROVIDE NEW DATA CABLING TO EXISTING LOCATIONS. QUANTITY AND LOCATIONS NOT KNOWN. ASSUME (6) FOR BIDDING PURPOSES.
30	EXISTING WIRELESS ACCESS POINT WILL REQUIRE NEW CAT 6 CABLING TO NEW TELECOM ROOM IN MIDDLE SCHOOL.



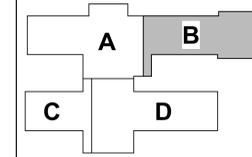
Project No. \_\_\_\_\_  
 Project Date 08.29.2023  
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#	Revision	Date
A2	ADDENDUM #2	09.19.2023

4223 W 350 N  
 Kokomo, IN 46901



KEY PLAN

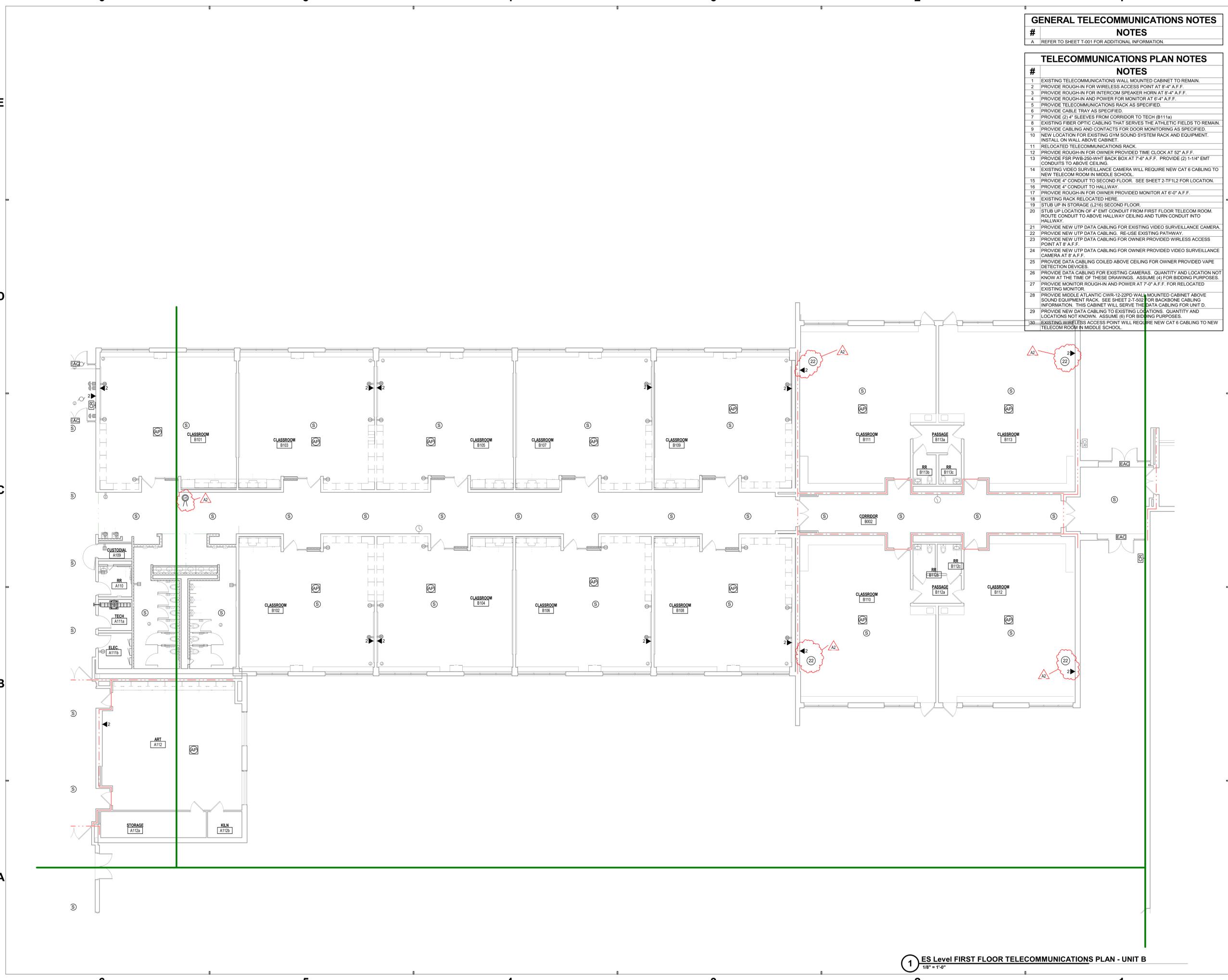
NORTHWESTERN SCHOOL CORPORATION



NORTHWESTERN ELEMENTARY SCHOOL

1 - FIRST FLOOR ES TELECOMMUNICATIONS PLAN - UNIT B

1-TF1B1



1 ES Level FIRST FLOOR TELECOMMUNICATIONS PLAN - UNIT B  
 1/8" = 1'-0"

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 10/20/23 11:58 AM C:\Users\jrh\OneDrive\Documents\10400134\10400134\_001\10400134\_001\_001.dwg

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1

GENERAL TELECOMMUNICATIONS NOTES

#	NOTES
A	REFER TO SHEET T-001 FOR ADDITIONAL INFORMATION.

TELECOMMUNICATIONS PLAN NOTES

#	NOTES
1	EXISTING TELECOMMUNICATIONS WALL MOUNTED CABINET TO REMAIN.
2	PROVIDE ROUGH-IN FOR WIRELESS ACCESS POINT AT 8'-4" A.F.F.
3	PROVIDE ROUGH-IN FOR INTERCOM SPEAKER HORN AT 8'-4" A.F.F.
4	PROVIDE ROUGH-IN AND POWER FOR MONITOR AT 6'-4" A.F.F.
5	PROVIDE TELECOMMUNICATIONS RACK AS SPECIFIED.
6	PROVIDE CABLE TRAY AS SPECIFIED.
7	PROVIDE (2) 4" SLEEVES FROM CORRIDOR TO TECH (B111a)
8	EXISTING FIBER OPTIC CABLING THAT SERVES THE ATHLETIC FIELDS TO REMAIN.
9	PROVIDE CABLING AND CONTACTS FOR DOOR MONITORING AS SPECIFIED.
10	NEW LOCATION FOR EXISTING GYM SOUND SYSTEM RACK AND EQUIPMENT. INSTALL ON WALL ABOVE CABINET.
11	RELOCATED TELECOMMUNICATIONS RACK.
12	PROVIDE ROUGH-IN FOR OWNER PROVIDED TIME CLOCK AT 52" A.F.F.
13	PROVIDE FSR PWB-250-WHT BACK BOX AT 7'-6" A.F.F. PROVIDE (2) 1-1/4" EMT CONDUITS TO ABOVE CEILING.
14	EXISTING VIDEO SURVEILLANCE CAMERA WILL REQUIRE NEW CAT 6 CABLING TO NEW TELECOM ROOM IN MIDDLE SCHOOL.
15	PROVIDE 4" CONDUIT TO SECOND FLOOR. SEE SHEET 2-TF1L2 FOR LOCATION.
16	PROVIDE 4" CONDUIT TO HALLWAY.
17	PROVIDE ROUGH-IN FOR OWNER PROVIDED MONITOR AT 6'-0" A.F.F.
18	EXISTING RACK RELOCATED HERE.
19	STUB UP IN STORAGE (L216) SECOND FLOOR.
20	STUB UP LOCATION OF 4" EMT CONDUIT FROM FIRST FLOOR TELECOM ROOM. ROUTE CONDUIT TO ABOVE HALLWAY CEILING AND TURN CONDUIT INTO HALLWAY.
21	PROVIDE NEW UTP DATA CABLING FOR EXISTING VIDEO SURVEILLANCE CAMERA.
22	PROVIDE NEW UTP DATA CABLING. RE-USE EXISTING PATHWAY.
23	PROVIDE NEW UTP DATA CABLING FOR OWNER PROVIDED WIRELESS ACCESS POINT AT 8' A.F.F.
24	PROVIDE NEW UTP DATA CABLING FOR OWNER PROVIDED VIDEO SURVEILLANCE CAMERA AT 8' A.F.F.
25	PROVIDE DATA CABLING COILED ABOVE CEILING FOR OWNER PROVIDED VAPE DETECTION DEVICES.
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29	PROVIDE NEW DATA CABLING TO EXISTING LOCATIONS. QUANTITY AND LOCATIONS NOT KNOWN. ASSUME (6) FOR BIDDING PURPOSES.
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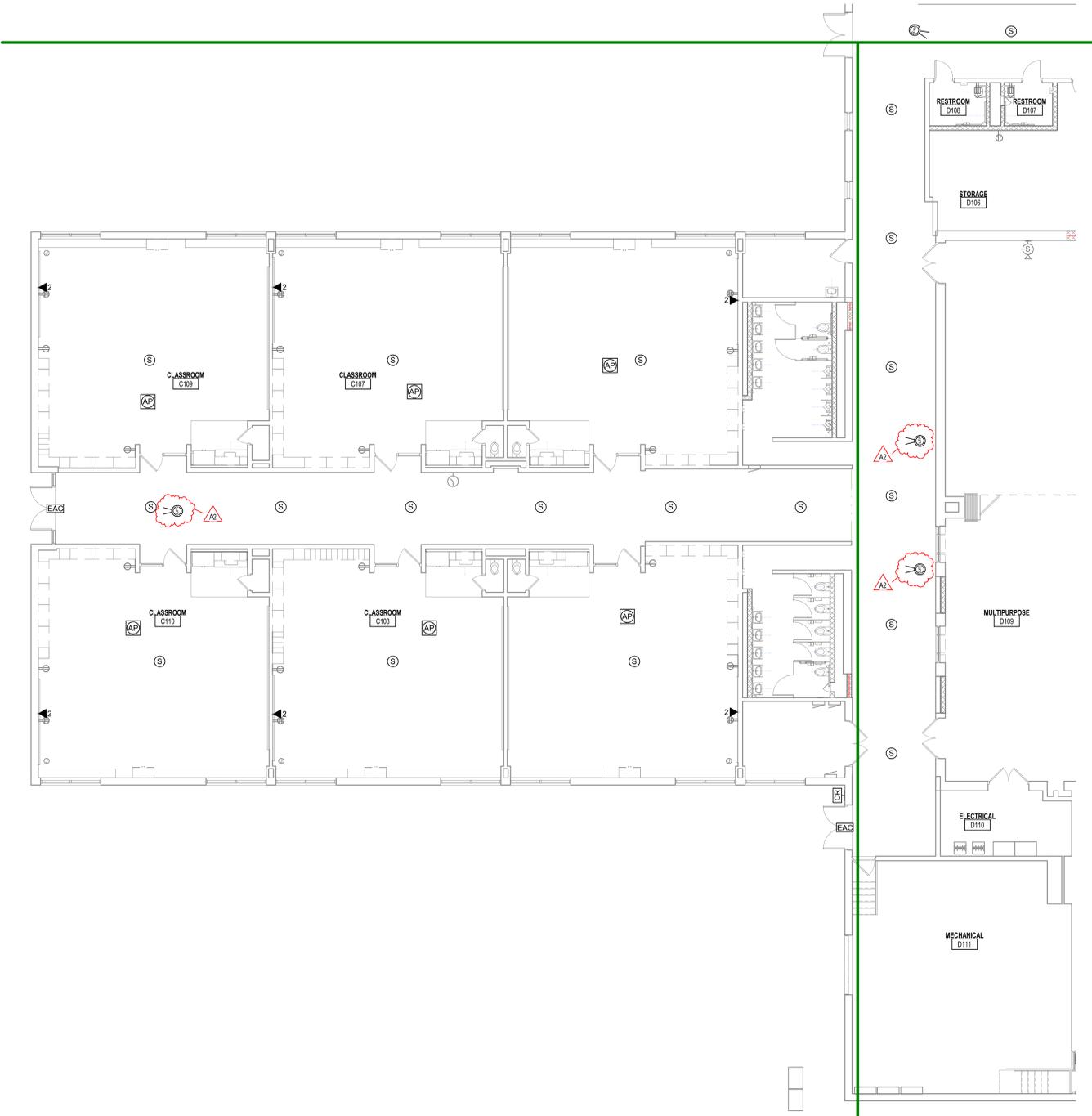


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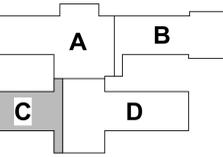


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#	Revision	Date
A2	ADDENDUM #2	09.19.2023



4223 W 350 N  
 Kokomo, IN 46901



KEY PLAN

NORTHWESTERN SCHOOL CORPORATION



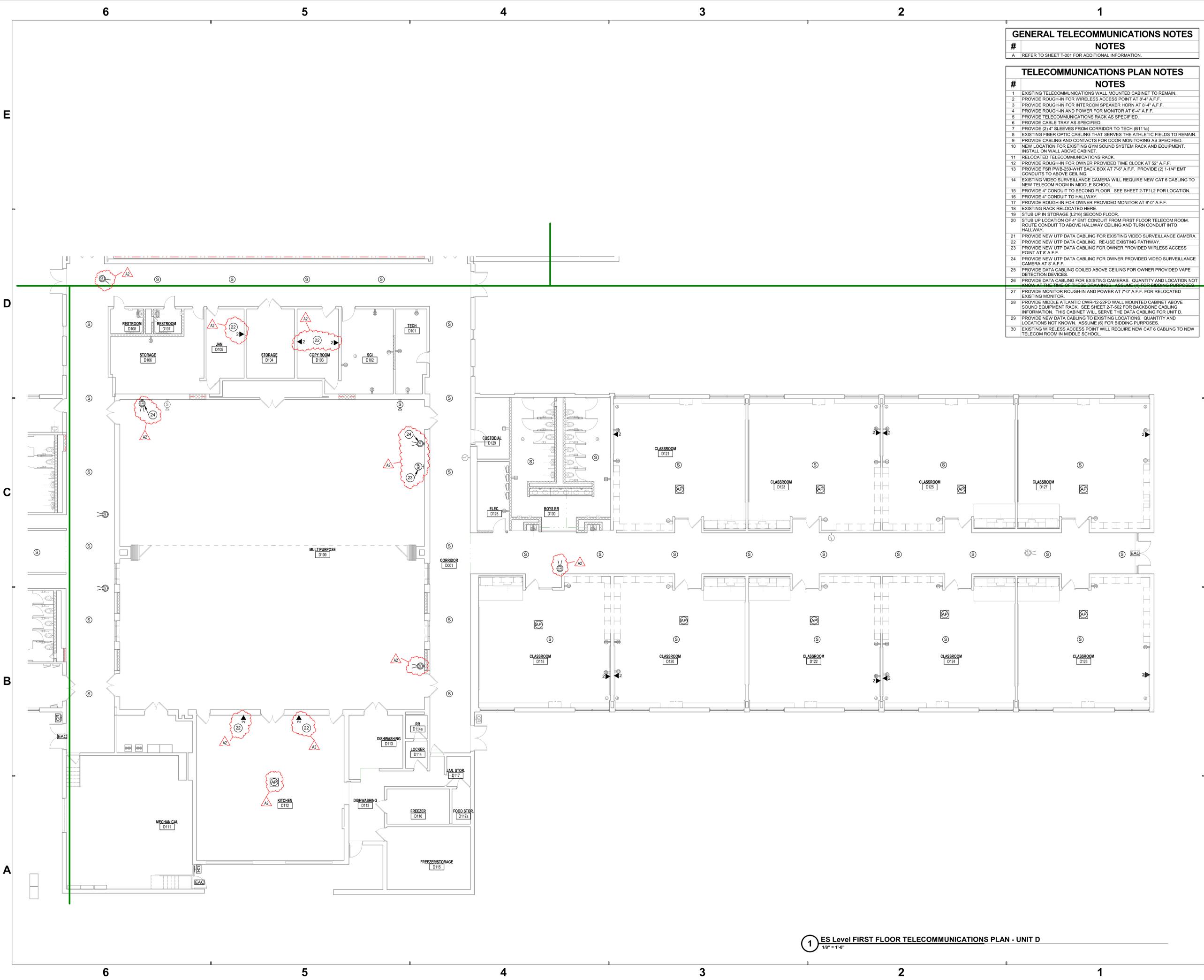
NORTHWESTERN ELEMENTARY SCHOOL

1 - FIRST FLOOR ES TELECOMMUNICATIONS PLAN - UNIT C

1-TF1C1

1 ES Level FIRST FLOOR TELECOMMUNICATIONS PLAN - UNIT C  
 1/8" = 1'-0"

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 WWW.SCHMIDT-ARCH.COM



GENERAL TELECOMMUNICATIONS NOTES	
#	NOTES
A	REFER TO SHEET T-001 FOR ADDITIONAL INFORMATION.

TELECOMMUNICATIONS PLAN NOTES	
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1	EXISTING TELECOMMUNICATIONS WALL MOUNTED CABINET TO REMAIN.
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14	EXISTING VIDEO SURVEILLANCE CAMERA WILL REQUIRE NEW CAT 6 CABLING TO NEW TELECOM ROOM IN MIDDLE SCHOOL.
15	PROVIDE 4" CONDUIT TO SECOND FLOOR. SEE SHEET 2-TF12 FOR LOCATION.
16	PROVIDE 4" CONDUIT TO HALLWAY.
17	PROVIDE ROUGH-IN FOR OWNER PROVIDED MONITOR AT 6'-0" A.F.F.
18	EXISTING RACK RELOCATED HERE.
19	STUB UP IN STORAGE (L216) SECOND FLOOR.
20	STUB UP LOCATION OF 4" EMT CONDUIT FROM FIRST FLOOR TELECOM ROOM. ROUTE CONDUIT TO ABOVE HALLWAY CEILING AND TURN CONDUIT INTO HALLWAY.
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25	PROVIDE DATA CABLING COILED ABOVE CEILING FOR OWNER PROVIDED VAPE DETECTION DEVICES.
26	PROVIDE DATA CABLING FOR EXISTING CAMERAS. QUANTITY AND LOCATION NOT KNOWN AT THIS TIME. ASSUME (6) FOR BIDDING PURPOSES.
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28	PROVIDE MIDDLE ATLANTIC CWR-12-22PD WALL MOUNTED CABINET ABOVE SOUND EQUIPMENT RACK. SEE SHEET 2-T-502 FOR BACKBONE CABLING INFORMATION. THIS CABINET WILL SERVE THE DATA CABLING FOR UNIT D.
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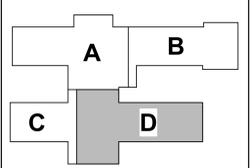
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A2	ADDENDUM #2	09.19.2023

4223 W 350 N  
 Kokomo, IN 46901



KEY PLAN



NORTHWESTERN  
 ELEMENTARY SCHOOL  
 1 - FIRST FLOOR ES  
 TELECOMMUNICATIONS  
 PLAN - UNIT D  
 1-TF1D1

1 ES Level FIRST FLOOR TELECOMMUNICATIONS PLAN - UNIT D  
 1/8" = 1'-0"

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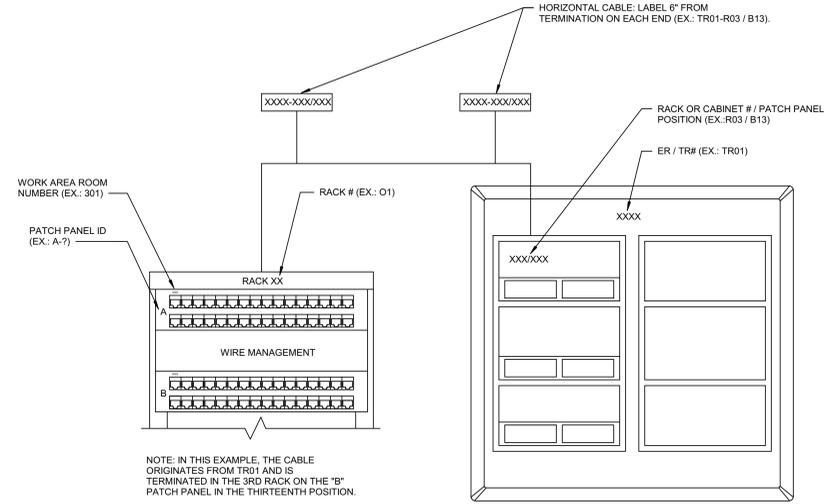
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D

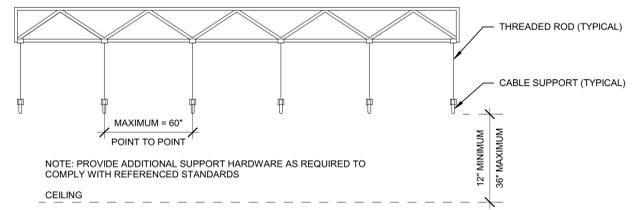
C

B

A



NOTES:  
 1. AFFIX LABELS DIRECTLY TO FACEPLATE. DO NOT USE LABEL WINDOW.  
 2. CONFIRM FINAL LABELING SCHEME W/ OWNER.



**2 CABLE SUPPORT DETAIL**  
 NOT TO SCALE

**ROUGH-IN GENERAL NOTES:**

1. TERMINATE ALL ROUGH-IN CONDUITS WITH 90 DEGREE SWEEP AND BUSHINGS IN NEAREST CONCEALED ACCESSIBLE CEILING SPACE.
2. CONDUIT BEND RADIUS TO BE COMPLIANT WITH BICSI TDM-11000 MANUAL, 12TH ED.
3. ALL ROUGH-IN CONDUITS ARE 1" UNLESS OTHERWISE NOTED.
4. PROVIDE NO MORE THAN THE EQUIVALENT OF (2) 90 DEGREE BENDS IN A SINGLE CONDUIT RUN.
5. ROUGH-IN OUTLET BOXES TO HAVE 90 DEGREE OPENING CORNERS ON FACE OF BOX.
6. ALL ROUGH-INS BY ELECTRICAL CONTRACTOR.

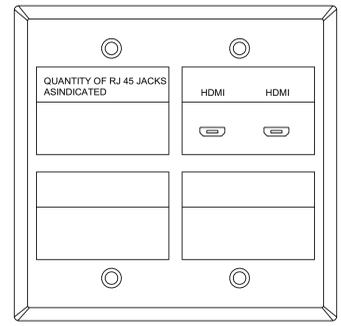
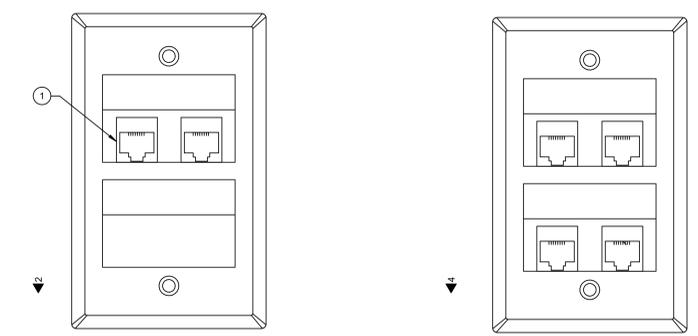
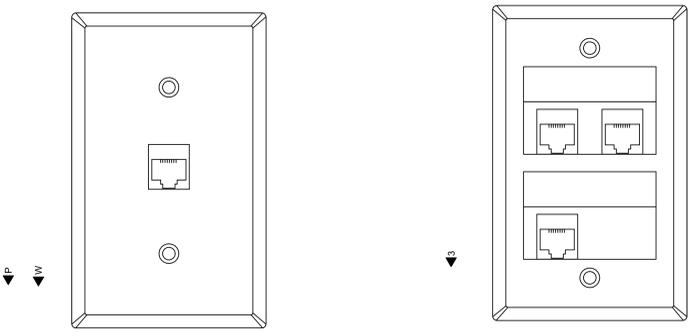
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 415 Massachusetts Ave., Indianapolis, IN 46204  
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SARAH K. HEMPESTEAD  
 REGISTERED PROFESSIONAL ENGINEER  
 NO. AR10400134  
 STATE OF INDIANA  
 ARCHITECT

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**3 ER/TR RACK/PATCH PANEL, WORK AREA OUTLET FACEPLATE LABELING**  
 NOT TO SCALE



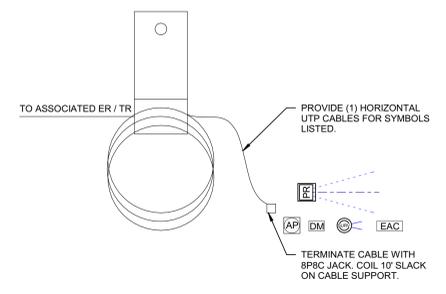
**GENERAL NOTES:**

1. WHERE TELECOMMUNICATIONS OUTLETS ARE INSTALLED IN MULTI-COMPARTMENT SURFACE RACEWAY, PROVIDE 106 JACK FRAMES AS REQUIRED AND STANDARD FACEPLATES TO MATCH ELECTRICAL POWER OUTLET.

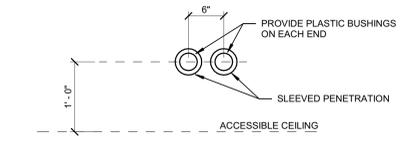
**PLAN NOTES:**

1. FIRST POSITION DESIGNATED FOR VOICE SERVICES AT FACULTY AND STAFF DESK LOCATIONS.

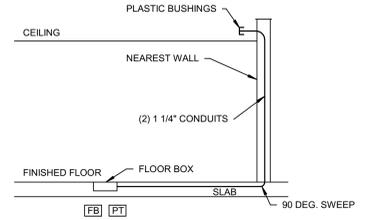
**4 FACE PLATE DETAILS**  
 NOT TO SCALE



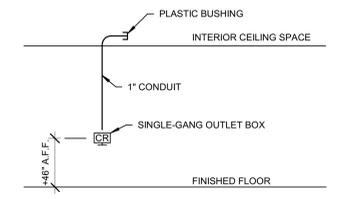
**7 TERMINATION DETAIL**  
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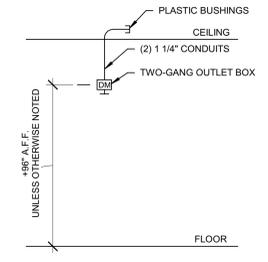
**8 TYPICAL SLEEVED PENETRATION**  
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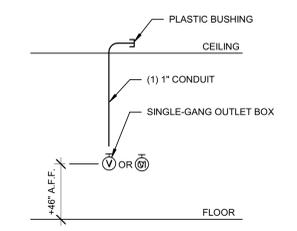
**6 TELECOMMUNICATIONS FLOOR BOX ROUGH-IN**  
 NOT TO SCALE



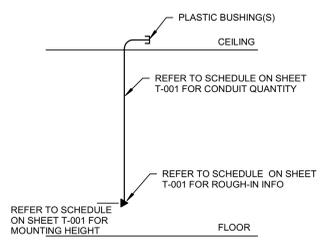
**1 ACCESS CONTROL CARD READER ROUGH-IN**  
 NOT TO SCALE



**11 WALL-MOUNTED DISPLAY MONITOR ROUGH-IN**  
 NOT TO SCALE



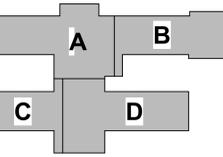
**10 VOLUME CONTROL / CALL-IN ROUGH-IN**  
 NOT TO SCALE



**9 TYPICAL WALL-MTD. TELECOM. ROUGH-IN**  
 NOT TO SCALE

#	Revision	Date
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4223 W 350 N  
 Kokomo, IN 46901



KEY PLAN

**NORTHWESTERN SCHOOL CORPORATION**



**NORTHWESTERN ELEMENTARY SCHOOL**

TELECOMMUNICATIONS DETAILS

1-T-501

1. ALL DIMENSIONS UNLESS OTHERWISE SPECIFIED.  
 2. REFER TO NORTHWESTERN SCHOOL CORPORATION DRAWING T-501 FOR CONDUIT SCHEDULE.  
 3. REFER TO NORTHWESTERN SCHOOL CORPORATION DRAWING T-501 FOR OUTLET BOX SCHEDULE.  
 4. REFER TO NORTHWESTERN SCHOOL CORPORATION DRAWING T-501 FOR RACK AND PATCH PANEL SCHEDULE.  
 5. REFER TO NORTHWESTERN SCHOOL CORPORATION DRAWING T-501 FOR TELECOMMUNICATIONS RACK AND PATCH PANEL SCHEDULE.

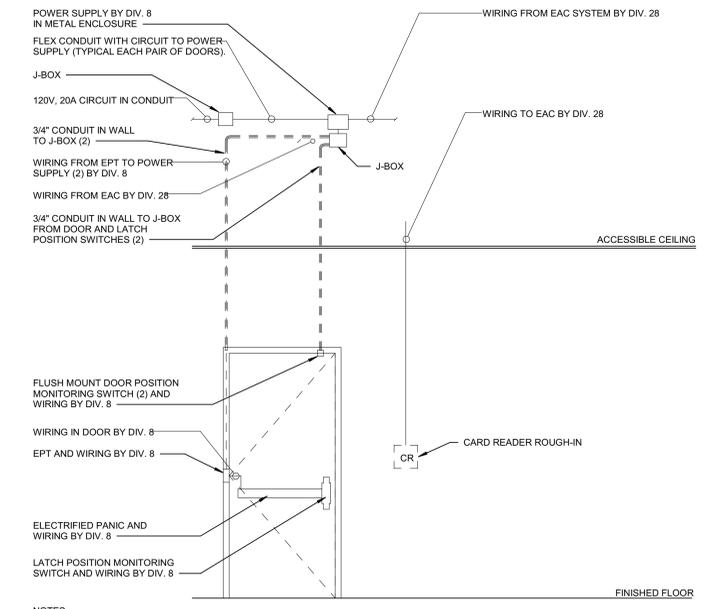
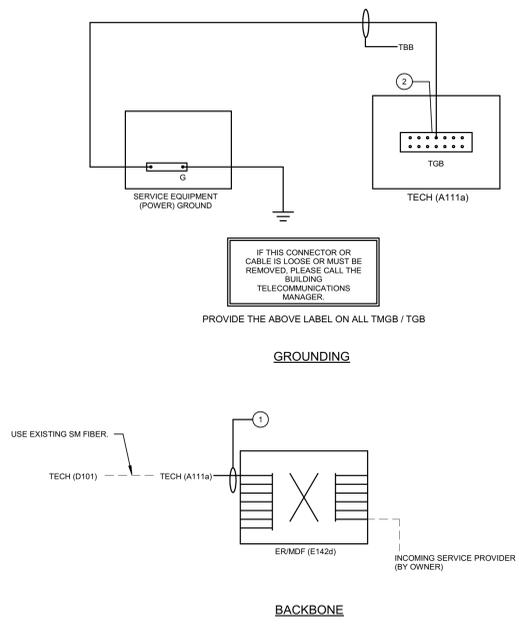
SIZING OF THE TBB	
TBB LENGTH (FEET)	TBB SIZE (AWG)
LESS THAN 13	6
14-20	4
21-26	3
27-33	2
34-41	1
42-52	1/0
53-66	2/0
67-84	3/0
85-105	4/0
106-125	250 kcmil
126-150	300 kcmil
151-175	350 kcmil
176-250	500 kcmil
251-300	600 kcmil
Greater than 301	750 kcmil

ABBREVIATIONS:  
 MC - MAIN CROSS-CONNECT  
 HC - HORIZONTAL CROSS-CONNECT  
 ER - EQUIPMENT ROOM  
 TR - TELECOMMUNICATIONS ROOM  
 TBB - TELECOMMUNICATIONS BONDING BACKBONE  
 TGB - TELECOMMUNICATIONS GROUNDING BUSBAR  
 TMGB - TELECOMMUNICATIONS MAIN GROUNDING BUSBAR  
 BC - TELECOMMUNICATIONS BOUNDING CONDUCTOR

- DRAWING NOTES:**
- PROVIDE TELECOMMUNICATIONS BACKBONE CABLING AND GROUNDING / BONDING TBB BETWEEN THE MC AND EACH HC/IC AS FOLLOWS:
    - 12 STRANDS OF SINGLE-MODE FIBER AS SPECIFIED.
    - TBB SIZED PER STANDARDS
  - WITHIN THE TELECOMMUNICATIONS EQUIPMENT ROOM (ER) AND EACH TELECOMMUNICATIONS ROOM (TR) BOND THE TMGB AND EACH TGB TO THE FOLLOWING:
    - STRUCTURAL STEEL
    - ALL METALLIC MATERIAL
    - CABLE TRAY
    - EQUIPMENT CABINETS AND RACKS

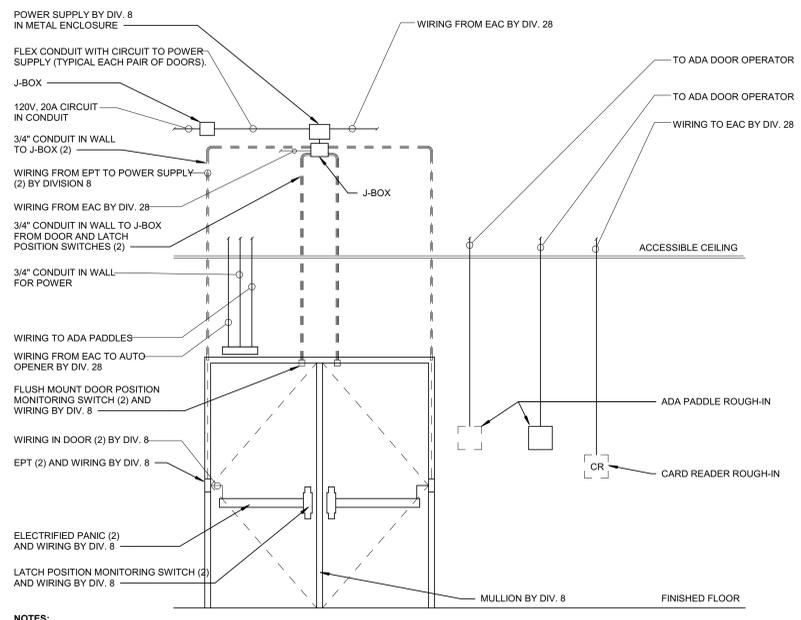
- GENERAL NOTES:**
- ALL WORK INDICATED SHALL BE FULLY COMPLIANT WITH THE FOLLOWING STANDARDS.
    - A. ANSI / TIA / EIA - 568 - B COMMERCIAL BUILDING TELECOMMUNICATIONS STANDARD PART 1, PART 2 AND PART 3 INCLUDING ALL SUB-PARTS AND ADDENDUMS.
    - B. TIA - 569 - B COMMERCIAL BUILDING STANDARD FOR TELECOMMUNICATIONS PATHWAYS AND SPACES INCLUDING ALL SUB-PARTS AND ADDENDUMS.
    - C. ANSI / TIA / EIA - 606 - A ADMINISTRATION STANDARD FOR COMMERCIAL TELECOMMUNICATIONS INFRASTRUCTURE INCLUDING ALL SUB-PARTS AND ADDENDUMS.
    - D. ANSI - J - STD - 607 - A COMMERCIAL BUILDING GROUNDING (EARTHING) AND BONDING REQUIREMENTS FOR TELECOMMUNICATIONS.
  - ROUTE ALL TBB ALONG PRIMARY PATHWAY WITH TELECOMMUNICATIONS CABLING.
  - COORDINATE SPECIFIC EQUIPMENT ELEVATIONS WITH ARCHITECT ENGINEER.

**4 BACKBONE / GROUNDING SCHEMATICS**  
NOT TO SCALE



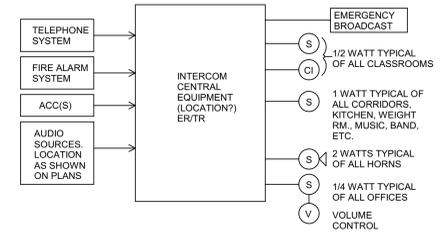
- NOTES:**
- ALL WORK ON THIS DRAWING BY DIVISION 26 UNLESS NOTED OTHERWISE.
  - ROUGH-IN, J-BOX AND POWER SUPPLY LOCATIONS ARE DIAGRAMMATIC ONLY.
  - VIEW IS FROM INTERIOR OF BUILDING.
  - REFER TO DOOR AND HARDWARE SCHEDULE FOR DOOR FRAME MATERIAL AND DOOR HARDWARE.
  - EXPOSED CONDUIT NOT PERMITTED. RUN CONCEALED CONDUIT TO FRAME THEN RUN WIRING INSIDE FRAME SYSTEM.
  - SEE ROUGH-IN DETAILS FOR ABOVE CEILING CONDUIT TERMINATION REQUIREMENTS.
  - DETAIL IS DIAGRAMMATIC. ALL ROUGH-INS MAY NOT BE USED. COORDINATE WITH HARDWARE SCHEDULE FOR EXACT REQUIRED ROUGH-INS.
  - REFER TO A-SERIES FLOOR PLANS FOR ADA OPERATOR LOCATIONS.

**2 TYPICAL DOOR SECURITY SCHEMATIC DIAGRAM**  
NOT TO SCALE



- NOTES:**
- ALL WORK ON THIS DRAWING BY DIVISION 26 UNLESS OTHERWISE NOTED.
  - ROUGH-IN, J-BOX AND POWER SUPPLY LOCATIONS ARE DIAGRAMMATIC ONLY.
  - VIEW IS FROM INTERIOR OF BUILDING.
  - REFER TO DOOR AND HARDWARE SCHEDULE FOR DOOR FRAME MATERIAL AND DOOR HARDWARE.
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**3 TYPICAL PAIR OF DOORS SECURITY SCHEMATIC DIAGRAM**  
NOT TO SCALE



**1 INTERCOM SYSTEM CONNECTIVITY DIAGRAM**  
NOT TO SCALE



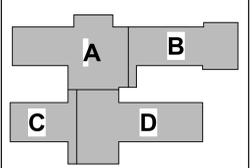
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**KEY PLAN**



TELECOMMUNICATIONS  
 DETAILS

1-T-502

TELECOMMUNICATIONS DEFINITIONS AND ABBREVIATIONS

**DEFINITIONS**

ACCEPTANCE TEST - A TEST OR SET OF TESTS PERFORMED TO DEMONSTRATE SATISFACTORY COMPLETION OF A PREDETERMINED TASK OR GROUP OF TASKS ON WHICH ACCEPTANCE IS DEPENDANT.

ACCESS POINT (AP) - THE CENTRAL OR CONTROL POINT IN A WIRELESS CELL THAT ACTS AS A LINK FOR TRAFFIC TO AND FROM WIRELESS DEVICES IN THE CELL. THE AP ALSO CONNECTS WIRELESS DEVICES TO THE WIRED PORTION OF THE NETWORK.

ACTIVE CIRCUIT - A VOICE/DATA/VIDEO CHANNEL CONNECTED TO A CIRCUIT.

ACTIVE EQUIPMENT - ENERGIZED EQUIPMENT USED FOR RECEIVING OR TRANSMITTING ANALOG OR DIGITAL SIGNALS.

ADMINISTRATION - THE METHODOLOGY DEFINING THE DOCUMENTATION REQUIREMENTS OF A CABLING SYSTEM AND ITS CONTAINMENT, THE LABELING OF FUNCTIONAL ELEMENTS AND THE PROCESS BY WHICH MOVES, ADDS, AND CHANGES ARE RECORDED. (ISO)

ALIEN CROSSTALK - UNWANTED TRANSFER OF SIGNAL FROM ONE OR MORE CIRCUITS IN A GIVEN CABLE TO OTHER CIRCUITS IN ANOTHER CABLE.

ATTENUATION - THE DECREASE IN MAGNITUDE OF TRANSMISSION SIGNAL STRENGTH BETWEEN POINTS, EXPRESSED IN DB AS THE RATIO OF OUTPUT TO INPUT SIGNAL LEVEL.

ATTENUATION-TO-CROSSTALK RATION (ACR) - THE RATIO OBTAINED BY SUBTRACTING INSERTION LOSS (ATTENUATION [DB]) FROM NEAR-END CROSSTALK (DB). ACR IS NORMALLY STATED AT A GIVEN FREQUENCY. SEE SIGNAL-TO-NOISE RATIO.

BACKBONE - A FACILITY (E.G., PATHWAY, CABLE, OR CONDUCTORS) BETWEEN ANY OF THE FOLLOWING SPACES: TELECOMMUNICATIONS ENCLOSURES, TELECOMMUNICATIONS ROOMS, EQUIPMENT ROOMS, AND ENTRANCE FACILITIES.

BACKBONE BONDING CONDUCTOR - A COPPER CONDUCTOR EXTENDING FROM THE TELECOMMUNICATIONS MAIN GROUNDING BUSBAR TO THE FARTHEST FLOOR TELECOMMUNICATIONS GROUNDING BUSBAR. (TIA)

BALANCED TWISTED-PAIR CABLE - A MULTI-CONDUCTOR CABLE COMPRISING TWO OR MORE COPPER CONDUCTORS TWISTED IN A MANNER DESIGNED TO CANCEL ELECTRICAL INTERFERENCE.

BANDWIDTH - A MEASURE OF THE RANGE OF FREQUENCIES ASSOCIATED WITH A GIVEN SIGNAL OR COMMUNICATIONS CHANNEL, TYPICALLY EXPRESSED IN HERTZ. IT IS USED TO DENOTE THE POTENTIAL TRANSMISSION CAPACITY OF THE MEDIUM, DEVICE, OR SYSTEM.

BEND RADIUS - 1. MAXIMUM RADIUS THAT A CABLE CAN BE BENT TO AVOID PHYSICAL OR ELECTRICAL DAMAGE OR CAUSE ADVERSE TRANSMISSION PERFORMANCE. 2. RADIUS OF CURVATURE THAT A MEDIA CAN BEND WITHOUT SIGNAL DEGRADATION.

BICSI - AN INTERNATIONAL TELECOMMUNICATIONS ASSOCIATION.

BONDING - THE PERMANENT JOINING OF METALLIC PARTS TO FORM AN ELECTRICALLY CONDUCTIVE PATH THAT WILL ENSURE ELECTRICAL CONTINUITY AND THE CAPACITY TO CONDUCT SAFELY ANY CURRENT LIKELY TO BE IMPOSED. (TIA)

BONDING CONDUCTOR (BC) - A CONDUCTOR USED SPECIFICALLY FOR THE PURPOSE OF BONDING.

BONDING CONDUCTOR FOR TELECOMMUNICATIONS (BCT) - A CONDUCTOR THAT INTERCONNECTS THE BUILDINGS SERVICE EQUIPMENT (POWER) GROUND TO THE TELECOMMUNICATIONS GROUNDING SYSTEM.

BORING - A METHOD TO DISPLACE EARTH UNDER THE GROUND WITHOUT BREAKING THE GROUND SURFACE (TRENCHING) OR CUTTING GROUND SURFACES (E.G., SIDEWALKS, DRIVEWAYS, PARKING LOTS, AND ROAD SURFACES), NORMALLY, AS DIRT IS DISPLACED OR REMOVED, CONDUIT IS INSERTED.

CABLING SYSTEM - A SPECIFIC SYSTEM OF TELECOMMUNICATIONS CABLES, EQUIPMENT/PATCH CORDS, CONNECTING HARDWARE, AND OTHER COMPONENTS THAT IS SUPPLIED AS A SINGLE ENTITY.

CARD READER - A SECURITY SYSTEM DEVICE THAT READS CODED CARDS.

CATEGORY - A RATING THAT DEFINES THE PERFORMANCE OF CABLING COMPONENTS AND SYSTEMS.

CELL - THE FIXED AREA IN WHICH A WIRELESS DEVICES OPERATES.

COMMUNICATIONS - SEE TELECOMMUNICATIONS.

CROSS-CONNECT - A FACILITY ENABLING THE TERMINATION OF CABLE ELEMENTS AND THEIR INTERCONNECTION OR CROSS-CONNECTION. (TIA)

CROSSTALK - UNWANTED TRANSFER OF SIGNAL FROM ONE OR MORE CIRCUITS TO OTHER CIRCUITS.

CUTOVER - THE PROCESS OF SWITCHING FROM OLD NETWORK COMPONENTS TO NEW NETWORK COMPONENTS.

DAISY-CHAIN TOPOLOGY - DEVICES ARE CONNECTED IN SERIES, ONE AFTER THE OTHER, AND THE TRANSMITTED SIGNALS GO TO THE FIRST DEVICES, THEN THE SECOND, ETC.

DATA - ELECTRONICALLY ENCODED INFORMATION. (TIA)

DATA COMMUNICATION - THE TRANSMISSION AND RECEPTION OF ELECTRONICALLY CODED INFORMATION.

DATA NETWORK - AN INTERCONNECTED SYSTEM OF COMPUTERS, PERIPHERALS, AND SOFTWARE OVER WHICH COMMANDS, FILES, AND MESSAGES ARE SENT AND RECEIVED.

DECIBEL (DB) - A LOGARITHMIC UNIT FOR MEASURING THE RELATIVE POWER OR STRENGTH OF A SIGNAL.

DELAY SKEW - THE DIFFERENCE IN PROPAGATION DELAY BETWEEN ANY TWO PAIRS WITHIN THE SAME CABLE SHEATH. (TIA)

DEMARICATION POINT (DP) - 1. A POINT WHERE THE OPERATIONAL CONTROL OR OWNERSHIP CHANGES. (TIA) 2. THE POINT OF INTERFACE BETWEEN SERVICE PROVIDERS AND CUSTOMER FACILITIES.

DIELECTRIC - 1. THE NONCONDUCTIVE PROPERTIES OF AN INSULATING MATERIAL THAT RESISTS THE PASSAGE OF ELECTRIC CURRENT. THE INSULATION SURROUNDING A COPPER CONDUCTOR IS KNOWN AS A DIELECTRIC. 2. A MATERIAL THAT IS NONMETALLIC AND NONCONDUCTIVE. 3. A NONCONDUCTOR OF DIRECT ELECTRIC CURRENT.

DIRECT-BURIED CABLE - A TELECOMMUNICATIONS CABLE DESIGNED TO BE INSTALLED UNDER THE SURFACE OF THE EARTH, IN DIRECT CONTACT WITH THE SOIL. (TIA)

ELECTROMAGNETIC INTERFERENCE (EMI) - RADIATED OR CONDUCTED ELECTROMAGNETIC ENERGY THAT HAS AN UNDESIRABLE EFFECT ON ELECTRONIC EQUIPMENT OR SIGNAL TRANSMISSIONS. (TIA)

EQUAL LEVEL FAR-END CROSSTALK (ELFEXT) - CROSSTALK MEASURED AT THE OPPOSITE END FROM WHICH THE DISTURBING SIGNAL IS TRANSMITTED, NORMALIZED BY THE ATTENUATION CONTRIBUTION OF THE CABLE OR CABLING.

FAR-END CROSSTALK (FEXT) LOSS - A MEASURE OF THE UNWANTED SIGNAL COUPLING FROM A TRANSMITTER AT THE NEAR END INTO ANOTHER PAIR MEASURED AT THE FAR END, AND RELATIVE TO THE TRANSMITTED SIGNAL LEVEL. ALSO CALLED INPUT/OUTPUT FAR-END CROSSTALK LOSS. (TIA)

FAULT TOLERANCE - THE ABILITY OF A SYSTEM TO CONTINUE OPERATIONS AFTER THE FAILURE OF ONE OR MORE COMPONENTS.

FIBER OPTICS - A COMMUNICATION SYSTEM THAT USES OPTICAL FIBER AS ITS MEDIUM.

GIGABIT PER SECOND (GB/S) - A TRANSMISSION RATE DENOTING ONE BILLION BITS PER SECOND.

GIGAHERTZ (GHZ) - A UNIT OF FREQUENCY DENOTING ONE BILLION CYCLES PER SECOND (HERTZ).

HERTZ (HZ) - 1. A UNIT OF MEASURE USED TO EXPRESS THE RANGE OF FREQUENCIES ASSOCIATED WITH A GIVEN SIGNAL OR COMMUNICATIONS CHANNEL. THIS RANGE IS ALSO CALLED BANDWIDTH. 2. A UNIT OF FREQUENCY EQUAL TO ONE CYCLE PER SECOND.

HOME RUN - A PATHWAY OR CABLE BETWEEN TWO LOCATIONS WITHOUT A SPLICE OR INTERMEDIATE TERMINATIONS POINTS IN BETWEEN.

HORIZONTAL CABLE - 1. A PERMANENT ELEMENT OF THE HORIZONTAL CABLING THAT CONNECTS THE TELECOMMUNICATIONS OUTLET/CONNECTOR AT THE WORK AREA AND THE FIRST PIECE OF CONNECTING HARDWARE IN THE HORIZONTAL OR MAIN CROSS-CONNECT. 2. FOUR PAIR 24 AWG UNSHIELDED TWISTED PAIR (UTP).

HORIZONTAL CROSS-CONNECT - A GROUP OF CONNECTORS THAT ALLOWS EQUIPMENT AND BACKBONE CABLING TO BE CROSS-CONNECTED.

INNERDUCT - A NONMETALLIC RACEWAY, USUALLY CIRCULAR, PLACED WITHIN A LARGER PATHWAY. (TIA)

INTERMEDIATE CROSS-CONNECT (IC) - THE CONNECTION POINT BETWEEN A BACKBONE CABLE THAT EXTENDS FROM THE MAIN CROSS-CONNECT AND THE BACKBONE CABLE FROM THE HORIZONTAL CROSS-CONNECT.

LATENCY - THE TIME IT TAKES FOR A SIGNAL TO PASS THROUGH A DEVICE OR NETWORK.

LOW-VOLTAGE CABLING/CABLING SYSTEM - TELECOMMUNICATIONS SIGNALING (INCLUDES BUILDING AUTOMATION SIGNALING) VOLTAGE LEVELS ARE TYPICALLY POWER-LIMITED WHEN COMPARED TO ELECTRICAL POWER CIRCUITS THAT CAN VARY FROM 100 VOLTS ALTERNATING CURRENT (AC) TO 240 VOLTS AC IN COMMERCIAL BUILDINGS. CIRCUITS TYPICALLY USE AN INHERENTLY LIMITED POWER SOURCE WITHOUT OVER-CURRENT PROTECTION OR A NONINHERENTLY LIMITED POWER SOURCE WHERE OVER-CURRENT PROTECTION IS REQUIRED. SINCE TELECOMMUNICATIONS CABLING SYSTEMS ARE NOT USED TO DISTRIBUTE ELECTRICAL POWER, THE SIGNALING THAT OCCURS ON THESE COPPER-BASED SYSTEMS IS GENERALLY DESCRIBED AS LOW VOLTAGE.

MAIN CROSS-CONNECT (MC) - THE CROSS-CONNECT NORMALLY LOCATED IN THE (MAIN) TELECOMMUNICATIONS EQUIPMENT ROOM (ER) FOR CROSS-CONNECTION AND INTERCONNECTION OF ENTRANCE CABLES, FIRST-LEVEL BACKBONE CABLES, AND EQUIPMENT CABLES.

NEAR-END CROSSTALK (NEXT) LOSS - 1. THE UNWANTED SIGNAL COUPLING BETWEEN PAIRS. IT IS MEASURED AT THE END OF A CABLE NEAREST THE POINT OF TRANSMISSION. CONTRAST WITH FAR-END CROSSTALK. 2. THE SIGNAL TRANSFER BETWEEN CIRCUITS AT THE SAME (NEAR) END OF THE CABLE.

NETWORK - A GROUP OF THREE OR MORE NODES THAT CAN COMMUNICATE WITH EACH OTHER, EITHER DIRECTLY THROUGH CABLING OR INDIRECTLY THROUGH REPEATERS TO SEPARATE CABLING.

OUTSIDE PLANT (OSP) - TELECOMMUNICATIONS INFRASTRUCTURE DESIGNED FOR INSTALLATION EXTERIOR TO BUILDINGS.

PAIR - TWO INSULATED WIRES TWISTED AROUND EACH OTHER.

PAIR TWIST - THE UNIFORM TWIST OF AN INSULATED COPPER PAIR THAT HELPS TO REDUCE THE NEGATIVE EFFECTS OF CAPACITANCE IMBALANCE AND ELECTROMAGNETIC INDUCTION.

PATCH CORD - A LENGTH OF CABLE WITH A PLUG ON ONE OR BOTH ENDS.

PATCH PANEL - A CONNECTING HARDWARE SYSTEM THAT FACILITATES CABLE TERMINATION AND CABLING ADMINISTRATION USING PATCH CORDS.

PATHWAY - 1. A SEQUENCE OF CONNECTIONS THAT PROVIDES THE CONNECTIVITY BETWEEN DEVICES ON A NETWORK OR BETWEEN NETWORKS ON AN INTERNETWORK. 2. THE VERTICAL AND HORIZONTAL ROUTE OF THE TELECOMMUNICATIONS CABLE. 3. A FACILITY FOR THE PLACEMENT OF TELECOMMUNICATIONS CABLE. (TIA) 3. A FACILITY FOR THE PLACEMENT OF TELECOMMUNICATIONS CABLE. (TIA)

POWER SUM - USED TO SPECIFY A COMBINATION CROSSTALK FROM MULTIPLE SOURCES.

POWER SUM ATTENUATION-TO-CROSSTALK RATIO - A RATIO IN DB, DETERMINED BY SUBTRACTING THE INSERTION LOSS FROM TH EPOWER SUM NEAR-END CROSSTALK LOSS. (TIA)

POWER SUM EQUAL LEVEL FAR-END CROSSTALK (PSELFEXT) - A COMPUTATION OF THE UNWANTED SIGNAL COUPLING FROM MULTIPLE TRANSMITTERS AT THE NEAR-END INTO A PAIR MEASURED AT THE FAR-END, AND NORMALIZED TO THE RECEIVED SIGNAL LEVEL. (TIA)

POWER SUM NEAR-END CROSSTALK (PSNEXT) LOSS - A COMPUTATION OF THE UNWANTED SIGNAL COUPLING FROM MULTIPLE TRANSMITTERS AT THE NEAR-END INTO A PAIR MEASURED AT THE NEAR-END. (TIA)

PULL TENSION - THE PULLING FORCE THAT CAN BE APPLIED TO A CABLE. (TIA)

PUNCH DOWN - THE PROCESS OF TERMINATING COPPER CABLE CONDUCTORS ON INSULATION DISPLACEMENT CONNECTION TERMINALS BY USE OF A HANDHELD TOOL.

QUEUING - A TECHNIQUE THAT REDUCES TRANSMISSION DELAYS BY CLASSIFYING AND SORTING DATA PRIOR TO PROCESSING BY THE TRANSMITTING DEVICE.

RACEWAY - ANY ENCLOSED CHANNEL DESIGNED FOR HOLDING WIRES OR CABLES. (TIA)

RADIO FREQUENCY INTERFERENCE - ELECTROMAGNETIC INTERFERENCE WITHIN THE FREQUENCY BAND FOR RADIO TRANSMISSION.

RETURN LOSS - A RATIO, EXPRESSED IN DB, OF THE POWER OF THE OUTGOING SIGNAL TO THE POWER OF THE REFLECTED SIGNAL. (TIA)

REVERSED PAIR - A CONDITION IN WHICH THE CONDUCTORS IN A PAIR ARE TERMINATED IN THE WRONG SEQUENCE.

DEFINITIONS (CONTINUED)

RIBBON CABLE - AN ASSEMBLY OF CONDUCTORS LAID SIDE BY SIDE IN A GEOMETRIC PLANE AND FASTENED TOGETHER.

SCALABILITY - THE ABILITY OF A NETWORK TO GROW WITHOUT DEGRADATION OF QUALITY.

SERVICE LOOP - A SURPLUS OF CABLE AT THE POINT OF TERMINATION TO FACILITATE POTENTIAL FUTURE CHANGES.

SHIELDED ENCLOSURE CABINET - A METAL ELECTRONIC CABINET CONSTRUCTED WITH WELDED SEAMS AND CONDUCTIVE GASKETS ON THE DOORS THAT SERVE AS AN EFFECTIVE SHIELD AGAINST ELECTROMAGNETIC RADIATION.

SPLIT PAIR - TRANSPORTION OF TWO CONDUCTORS OF SEPARATE PAIRS.

STAR TOPOLOGY - A NETWORK TOPOLOGY IN WHICH SERVICES ARE DISTRIBUTED FROM A CENTRAL POINT.

STRUCTURED CABLING SYSTEM - THE COMPLETE COLLECTIVE CONFIGURATION OF TELECOMMUNICATIONS CABLING AND ASSOCIATED HARDWARE AT A GIVEN LOCATION.

SWEEP - BEND THAT HAS A GENTLE ARC RATHER THAN A SHARP BEND.

TELECOMMUNICATIONS - ANY TRANSMISSION, EMISSION, AND RECEPTION OF SIGNS, SIGNALS, WRITINGS, IMAGES, AND SOUNDS, THAT IS, INFORMATION OF ANY NATURE BY CABLE, RADIO, OPTICAL, OR OTHER ELECTROMAGNETIC SYSTEMS. (TIA)

TELECOMMUNICATIONS BONDING BACKBONE - A CONDUCTOR THAT INTERCONNECTS THE TELECOMMUNICATIONS MAIN GROUNDING BUSBAR (TMGB) TO THE TELECOMMUNICATIONS GROUNDING BUSBAR (TGB). (TIA)

TELECOMMUNICATIONS EQUIPMENT BONDING CONDUCTOR - A CONDUCTOR INSTALLED FROM EACH PIECE OF EQUIPMENT TO THE TELECOMMUNICATIONS GROUNDING BUSBAR OR TELECOMMUNICATIONS MAIN GROUNDING BUSBAR.

TELECOMMUNICATIONS CABINET - AN ENCLOSURE USED FOR TERMINATING TELECOMMUNICATIONS CABLES, WIRING, AND CONNECTION DEVICES WITH A HINGED COVER, USUALLY FLUSH-MOUNTED IN THE WALL. (TIA)

TELECOMMUNICATIONS ENCLOSURE - A CASE OR HOUSING FOR TELECOMMUNICATIONS EQUIPMENT, CABLE TERMINATIONS, AND CROSS-CONNECT CABLING. (TIA)

TELECOMMUNICATIONS ENTRANCE FACILITY - AN ENTRANCE TO A BUILDING FOR BOTH PUBLIC AND PRIVATE NETWORK SERVICE CABLES (INCLUDING WIRELESS) INCLUDING THE ENTRANCE POINT AT THE BUILDING WALL AND CONTINUING TO THE ENTRANCE ROOM OR SPACE. (TIA) 2. A FACILITY THAT PROVIDES ALL NECESSARY MECHANICAL AND ELECTRICAL SERVICES, THAT COMPLIES WITH ALL RELEVANT REGULATIONS, FOR THE ENTRY OF TELECOMMUNICATIONS CABLES INTO A BUILDING. (ISO)

TELECOMMUNICATIONS EQUIPMENT ROOM - AN ENVIRONMENTALLY CONTROLLED CENTRALIZED SPACE FOR TELECOMMUNICATIONS EQUIPMENT THAT USUALLY HOUSES A MAIN OR INTERMEDIATE CROSS-CONNECT. (TIA)

TELECOMMUNICATIONS GROUNDING BUSBAR - A COMMON POINT OF CONNECTION FOR TELECOMMUNICATIONS SYSTEM AND EQUIPMENT BONDING TO GROUND, AND LOCATED IN THE TELECOMMUNICATIONS ROOM OR EQUIPMENT ROOM.

TELECOMMUNICATIONS INFRASTRUCTURE - A COLLECTION OF THOSE TELECOMMUNICATIONS COMPONENTS, EXCLUDING EQUIPMENT, THAT TOGETHER PROVIDE THE BASIC SUPPORT FOR THE DISTRIBUTION OF ALL INFORMATION WITHIN A BUILDING OR CAMPUS.

TELECOMMUNICATIONS MAINTENANCE HOLE - A VAULT LOCATED IN THE GROUND OR EARTH AS PART OF A UNDERGROUND DUCT SYSTEM AND USED TO FACILITY PLACING, CONNECTORIZATION, AND MAINTENANCE OF CABLES AS WELL AS THE PLACING OF ASSOCIATED EQUIPMENT, IN WHICH IT IS EXPECTED THAT A PERSON WILL ENTER TO PERFORM WORK. (TIA)

TELECOMMUNICATIONS MEDIA - WIRE, CABLE, OR CONDUCTORS USED FOR TELECOMMUNICATIONS. (TIA)

TELECOMMUNICATIONS OUTLET/CONNECTOR - A CONNECTING DEVICE IN THE WORK AREA ON WHICH HORIZONTAL CABLE OR OUTLET CABLE TERMINATES.

TELECOMMUNICATION ROOM - AN ENCLOSED ARCHITECTURAL SPACE FOR HOUSING TELECOMMUNICATIONS EQUIPMENT, CABLE TERMINATIONS, AND CROSS-CONNECT CABLING. (TIA)

TELECOMMUNICATIONS SPACE - AN AREA USED FOR HOUSING THE INSTALLATION AND TERMINATION OF TELECOMMUNICATIONS EQUIPMENT AND CABLE (E.G., COMMON EQUIPMENT ROOMS, EQUIPMENT ROOMS, COMMON TELECOMMUNICATIONS ROOMS, TELECOMMUNICATIONS ROOMS, WORK AREAS, MAINTENANCE HOLES/HANDHOLES). (TIA)

TRANPOSED PAIRS - WHEN TWO PAIRS OF CONDUCTORS ARE TERMINATED IN EACH OTHER'S LOCATION.

UNDERGROUND - REFERS TO CONDUIT AND MAINTENANCE HOLES SYSTEMS INSTALLED BELOW THE SURFACE OF THE GROUND.

UNDERGROUND CABLE - A TELECOMMUNICATIONS CABLE DESIGNED TO BE INSTALLED UNDER THE SURFACE OF THE EARTH IN A TROUGH OR DUCT THAT ISOLATES THE CABLE FROM DIRECT CONTACT WITH THE SOIL. (TIA)

UTILITY COLUMN - AN ENCLOSED PATHWAY EXTENDING FROM THE CEILING TO FURNITURE OR TO THE FLOOR THAT FORMS A PATHWAY FOR ELECTRICAL WIRING, TELECOMMUNICATIONS CABLE, OR BOTH. (TIA)

WORK AREA (WORK STATION) - A BUILDING SPACE WHERE THE OCCUPANTS INTERACT WITH TELECOMMUNICATIONS TERMINAL EQUIPMENT. (TIA)

WORK AREA CABLE (CORD) - A CABLE CONNECTING THE TELECOMMUNICATIONS OUTLET/CONNECTOR TO THE TERMINAL EQUIPMENT.

WORK AREA OUTLET - A CONNECTING DEVICE FOR TERMINATION OF HORIZONTAL MEDIA.

ABBREVIATIONS

8P8C - EIGHT PIN, EIGHT CONNECTOR UTP CABLE TERMINATION

ACR - ATTENUATION-TO-CROSSTALK RATIO

ANSI - AMERICAN NATIONAL STANDARDS INSTITUTE

AWG - AMERICAN WIRE GAUGE

BAS - BUILDING AUTOMATION SYSTEM

BC - BONDING CONDUCTOR

BCT - BONDING CONDUCTOR FOR TELECOMMUNICATIONS

BICSI - BUILDING INDUSTRY CONSULTING SERVICE INTERNATIONAL

CO-OSP - CUSTOMER-OWNED OUTSIDE PLANT

DB - DECIBEL

DEMARC - DEMARICATION POINT

DPS - DOOR POSITION SWITCH

EAC - ELECTRONIC ACCESS CONTROL

EF - ENTRANCE FACILITY

EIA - ELECTRONIC INDUSTRIES ALLIANCE

EMI - ELECTROMAGNETIC INTERFERENCE

ER - TELECOMMUNICATIONS EQUIPMENT ROOM

FCC - FEDERAL COMMUNICATIONS COMMISSION

GB - GIGABIT

GHZ - GIGAHERTZ

HC - HORIZONTAL CROSS-CONNECT

HZ - HERTZ

IBC - INTERCONNECTING BONDING CONDUCTOR

IC - INTERMEDIATE CROSS-CONNECT

IDC - INSULATION DISPLACEMENT CONNECTION (OR)

IEEE - INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS, INC.

KB - KILOBIT

KB - KILOBYTE

KHZ - KILOHERTZ

KM - KILOMETER

LEC - LOCAL EXCHANGE CARRIER

LAN - LOCAL AREA NETWORK

LASER - LIGHT AMPLIFICATION BY STIMULATED EMISSION OF RADIATION

LED - LIGHT-EMITTING DIODE

MB - MEGABIT

MC - MAIN CROSS-CONNECT

MH - TELECOMMUNICATIONS MAINTENANCE HOLE

MHZ - MEGAHERTZ

MUTO - MULTI-USER TELECOMMUNICATIONS OUTLET

MUTOA - MULTI-USER TELECOMMUNICATIONS OUTLET ASSEMBLY

NOS - NETWORK OPERATING SYSTEM

NEC - NATIONAL ELECTRIC CODE

NFPA - NATIONAL FIRE PROTECTION ASSOCIATION

NTS - NETWORK TRANSPORT SYSTEMS

OS - OPERATING SYSTEM

PSACR - POWER SUM ATTENUATION TO CROSSTALK RATIO

PSELFEXT - POWER SUM EQUAL LEVEL FAR-END CROSSTALK

QOS - QUALITY-OF-SERVICE

RCDD - REGISTERED COMMUNICATIONS DISTRIBUTION DESIGNER

RFI - RADIO FREQUENCY INTERFERENCE

RFID - RADIO FREQUENCY IDENTIFICATION

RGB - RED, GREEN, BLUE

SONET - SYNCHRONOUS OPTICAL NETWORK

SPOOL - SIMULTANEOUS PERIPHERAL OPERATION ONLINE

TBB - TELECOMMUNICATIONS BONDING BACKBONE

TDMM - TELECOMMUNICATIONS DISTRIBUTION METHODS MANUAL

TGB - TELECOMMUNICATIONS GROUNDING BUSBAR

TIA - TELECOMMUNICATIONS INDUSTRY ASSOCIATION

TMGB - TELECOMMUNICATIONS MAIN GROUNDING BUSBAR

TR - TELECOMMUNICATIONS ROOM

UTP - UNSHIELDED TWISTED PAIR

VCSEL - VERTICAL CAVITY SURFACE EMITTING LASER

VGA - VIDEO GRAPHICS ARRAY

VOD - VIDEO-ON-DEMAND

VOIP - VOICE OVER INTERNET PROTOCOL

WAP - WIRELESS ACCESS POINT

WLAN - WIRELESS LOCAL AREA NETWORK

X - CROSS-CONNECT

	TELECOMMUNICATIONS SYS.	SCOPE OF WORK	OUTLET INFORMATION	MOUNTING HEIGHT	NOTES
◀	TELECOMMUNICATIONS OUTLET	ROUGH-IN CABLING 8P8C CONNECTOR(S)	(1) 1" CONDUIT, (1) 2-GANG BOX	+18" A.F.F. WALL MTD.	PROVIDE SINGLE REDUCER
◀	TELECOMMUNICATIONS COUNTERTOP OUTLET	ROUGH-IN CABLING 8P8C CONNECTOR(S)	(1) 1" CONDUIT, (1) 2-GANG BOX	2" ABV. BACKSPASH TO BOTTOM	PROVIDE SINGLE REDUCER ALIGN WITH POWER RECEPTACLE
◀4V	TELECOMMUNICATIONS AUDIO / VIDEO OUTLET	ROUGH-IN CABLING 8P8C CONNECTOR(S)	(2) 1-1/4" CONDUITS (1) 2-GANG BOX	+18" A.F.F. WALL MTD.	--
◀AP	WIRELESS ACCESS POINT OUTLET (CEILING MOUNTED)	CABLING (UTP)	--	CEILING MOUNTED SEE T-SERIES DRAWINGS FOR LOCATIONS	--
≡	CABLE TRAY	CABLE TRAY AND ASSOCIATED HARDWARE	--	+96" A.F.F. TO BOTTOM	REFER TO SPECIFICATIONS FOR FURTHER INFORMATION
◀	TELECOMMUNICATIONS CABINET	CABINET (AS SPECIFIED)	--	FLOOR MOUNTED	--
≡	TELECOMMUNICATIONS RACK	RACK (AS SPECIFIED)	--	FLOOR MOUNTED	--

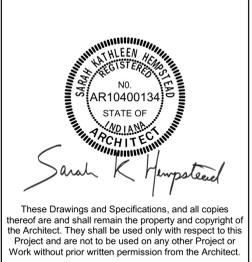
	SOUND SYSTEMS	SCOPE OF WORK	ROUGH-IN INFORMATION	MOUNTING HEIGHT	NOTES
Ⓢ	INTERCOM SPEAKER (CEILING MOUNTED)	CABLING SPEAKER	--	CEILING MOUNTED SEE T-SERIES DRAWINGS FOR LOCATIONS	--
Ⓢ	INTERCOM SPEAKER (WALL MOUNTED)	ROUGH-IN CABLING SPEAKER	(1) 1" CONDUIT, (1) SINGLE GANG BOX	+96" A.F.F. WALL MTD.	--
Ⓢ4	INTERCOM SPEAKER HORN (CEILING MOUNTED)	CABLING SPEAKER	--	CEILING MOUNTED SEE T-SERIES DRAWINGS	--
Ⓢ	INTERCOM SPEAKER HORN (WALL MOUNTED)	ROUGH-IN CABLING SPEAKER	(1) 1" CONDUIT, (1) SINGLE GANG BOX	+96" A.F.F. WALL MTD.	--
Ⓜ	MICROPHONE OUTLET (# INDICATES JACK QTY.)	ROUGH-IN CABLING MIC CONNECTOR	(1) 1" CONDUIT, (1) SINGLE GANG BOX	+18" A.F.F. WALL MTD.	--
Ⓜ	VOLUME CONTROL	ROUGH-IN CABLING, VOLUME CONTROL	(1) 1" CONDUIT, (1) SINGLE GANG BOX	+48" A.F.F. WALL MTD.	--
Ⓢ <sup>L</sup>	LOCAL SOUND REINFORCEMENT SPEAKER (CEILING MOUNTED)	EXISTING TO REMAIN	--	CEILING MOUNTED SEE RCP	--
Ⓢ <sup>L</sup>	LOCAL SOUND REINFORCEMENT SPEAKER (WALL MOUNTED)	ROUGH-IN CABLING	(1) 1" CONDUIT, (1) SINGLE GANG BOX	+96" A.F.F. WALL MTD.	--
ⓈRI	SOUND SYSTEM CENTRAL EQUIPMENT CABINET	ROUGH-IN CABLING CABINET	--	WALL MOUNTED	--
Ⓢ	CALL-IN BUTTON	ROUGH-IN CABLING BUTTON DEVICE	(1) 1" CONDUIT, (1) SINGLE GANG BOX	+48" A.F.F. WALL MTD.	--
Ⓢ	BUTTON	ROUGH-IN CABLING BUTTON DEVICE	(1) 1" CONDUIT, (1) SINGLE GANG BOX	+48" A.F.F. WALL MTD.	--
Ⓢ	WALL MOUNTED CLOCK	EXISTING TO REMAIN	(1) 1" CONDUIT, (1) SINGLE GANG BOX	+96" A.F.F. WALL MTD.	--
Ⓢ	RINGER / BELL DEVICE	ROUGH-IN CABLING BELL DEVICE	(1) 1" CONDUIT, (1) SINGLE GANG BOX	+96" A.F.F. WALL MTD.	--

	SECURITY SYSTEMS	SCOPE OF WORK	OUTLET INFORMATION	MOUNTING HEIGHT	NOTES
Ⓢ	SURVEILLANCE CAMERA (CEILING MOUNTED)	UTP CABLING	--	CEILING MOUNTED SEE T-SERIES DRAWINGS FOR LOCATIONS	--
Ⓢ	SURVEILLANCE CAMERA (WALL MOUNTED)	ROUGH-IN UTP CABLING	(1) 1" CONDUIT, (1) SINGLE GANG BOX	+96" A.F.F. WALL MTD.	--
Ⓢ	CARD READER	ROUGH-IN CABLING CARD READER	(1) 1" CONDUIT, (1) SINGLE GANG BOX	+48" A.F.F. WALL MTD.	--
Ⓢ	ELECTRONIC ACCESS CONTROL INTERFACE	CABLING CONTROL MODULE	--	ABOVE ACCESSIBLE CEILING	PROVIDE BELDEN P/N: 655AFJ (or equal) CABLE FROM PANEL TO DOOR. SEE EAC DOOR SCHEMATIC DIAGRAM
Ⓢ	VIDEO INTERCOM STATION (WALL MOUNTED)	ROUGH-IN CABLING, DEVICE	(1) 1" CONDUIT, (1) SINGLE GANG BOX	+48" A.F.F. WALL MTD.	--
Ⓢ	VIDEO INTERCOM MASTER STATION (ON DESK)	ROUGH-IN CABLING, DEVICE	(1) 1" CONDUIT	ON DESK	--

	VIDEO SYSTEMS	SCOPE OF WORK	OUTLET INFORMATION	MOUNTING HEIGHT	NOTES
Ⓢ	CEILING MOUNTED DISPLAY MONITOR	MOUNT, CABLING, MONITOR	--	AS NOTED ON PLANS	--
Ⓢ	WALL- MOUNTED DISPLAY MONITOR	ROUGH-IN, MOUNT CABLING, MONITOR	(2) 1 1/4" CONDUIT, (1) 2-GANG BOX	AS NOTED ON PLANS	--
Ⓢ	CEILING-MOUNT PROJECTOR	ROUGH-IN, MOUNT, CABLING, PROJECTOR	PROJECTOR CEILING PAN	SEE T-SERIES DRAWINGS FOR LOCATIONS	SEE PROJECTOR PAN DETAIL
Ⓢ	WALL-MOUNT PROJECTOR	ROUGH-IN, MOUNT CABLING, PROJECTOR	(2) 1 1/4" CONDUIT, (1) 2-GANG BOX	--	--



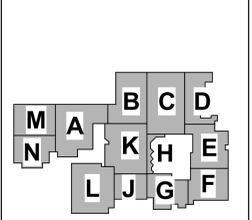
Project No. 2022-086.TGR  
 Project Date 08.29.2023  
 Produced MD



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#	Revision	Date

3431 N 400 W  
 Kokomo IN , 46901



KEY PLAN

NORTHWESTERN SCHOOL CORPORATION



NORTHWESTERN HIGH SCHOOL / MIDDLE SCHOOL

TELECOMMUNICATIONS SYMBOLS AND ABBREVIATIONS

2-T-001

2. ARCH. TELECOMMUNICATIONS SYMBOLS AND ABBREVIATIONS  
 3. NORTHWESTERN SCHOOL CORPORATION  
 4. 08/29/2023 08:00 AM  
 5. 08/29/2023 08:00 AM  
 6. 08/29/2023 08:00 AM



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

Project No. 2022-086.TGR  
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 Produced MD



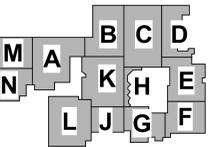
*Sarah K. Hempstead*

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#	Revision	Date
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#	Revision	Date

3431 N 400 W  
 Kokomo IN , 46901



KEY PLAN

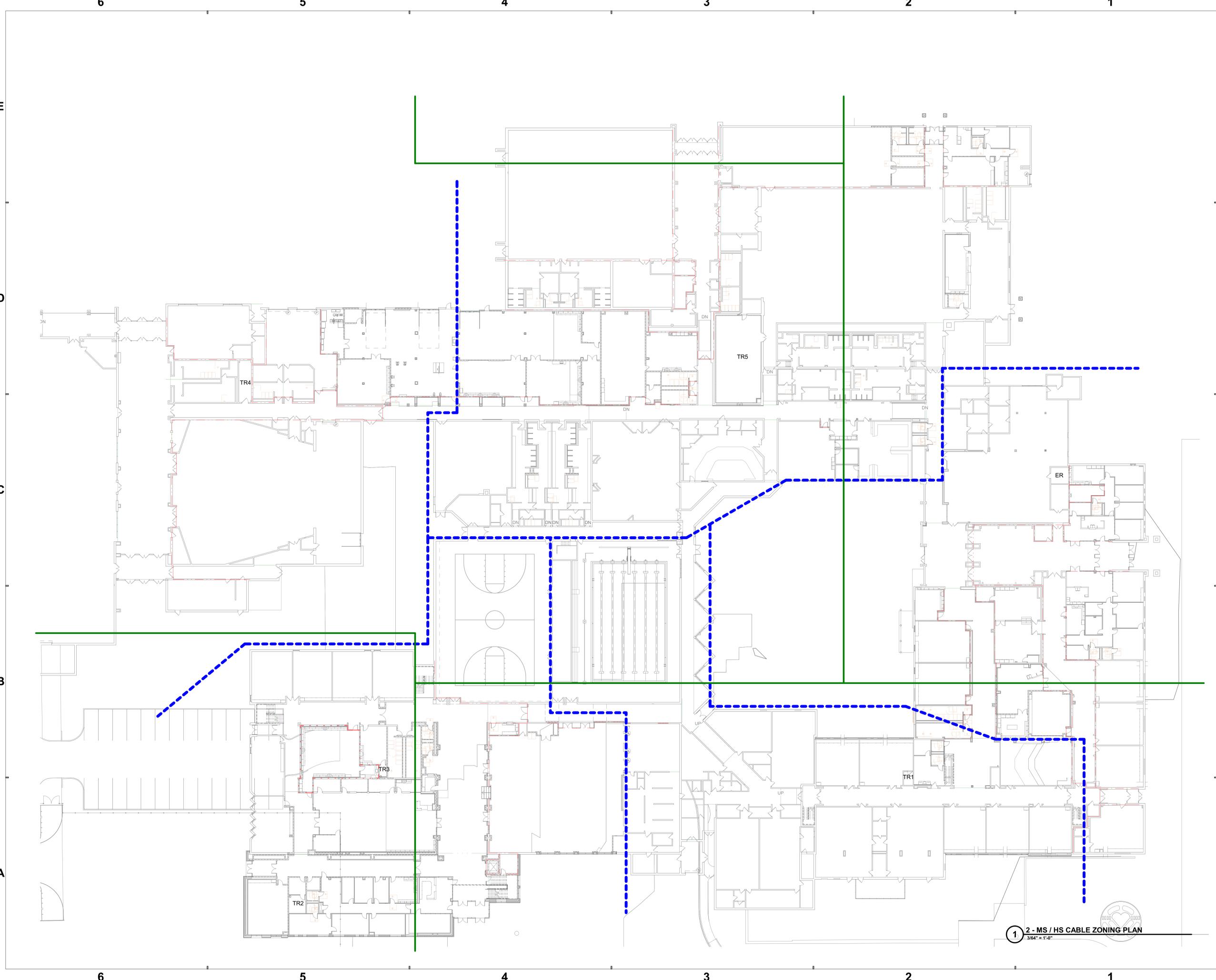
**NORTHWESTERN SCHOOL CORPORATION**



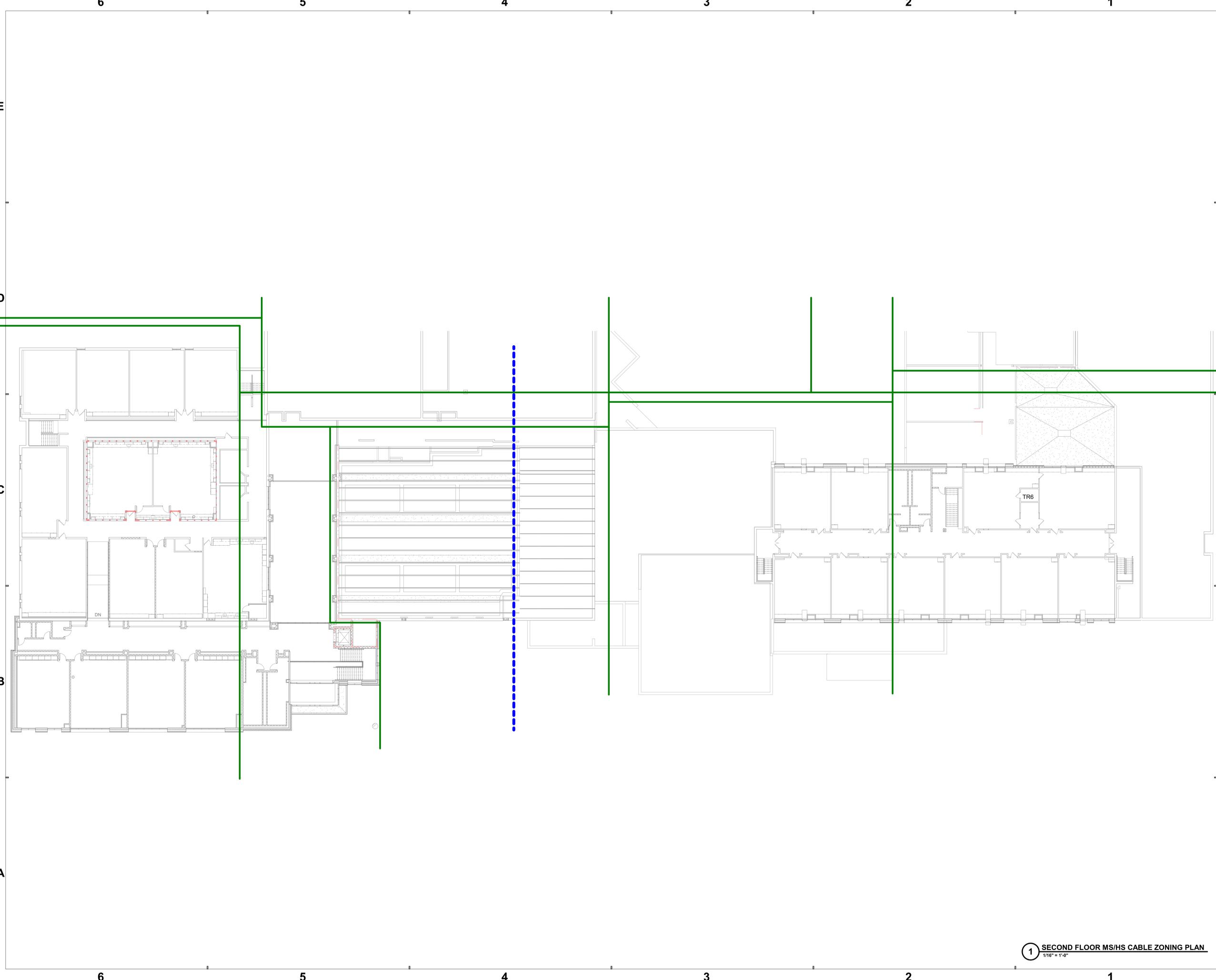
NORTHWESTERN HIGH SCHOOL / MIDDLE SCHOOL

2 - HS / MS FIRST FLOOR UTP CABLE ZONING PLAN

2-TZ101



2-TZ101 - 2 - HS / MS FIRST FLOOR UTP CABLE ZONING PLAN  
 DRAWN BY: SCHMIDT ASSOCIATES ARCHITECTS  
 CHECKED BY: SCHMIDT ASSOCIATES ARCHITECTS  
 DATE: 08.29.2023



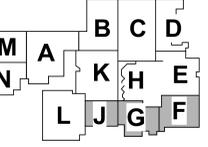
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3431 N 400 W  
 Kokomo IN , 46901



KEY PLAN

NORTHWESTERN SCHOOL CORPORATION



NORTHWESTERN HIGH SCHOOL / MIDDLE SCHOOL

2 - MS / HS SECOND FLOOR UPT CABLE ZONING PLAN

2-TZ102

1 SECOND FLOOR MS/HS CABLE ZONING PLAN  
 1/16" = 1'-0"

2023.08.29 10:00 AM 2023.08.29 10:00 AM  
 2023.08.29 10:00 AM 2023.08.29 10:00 AM  
 2023.08.29 10:00 AM 2023.08.29 10:00 AM  
 2023.08.29 10:00 AM 2023.08.29 10:00 AM





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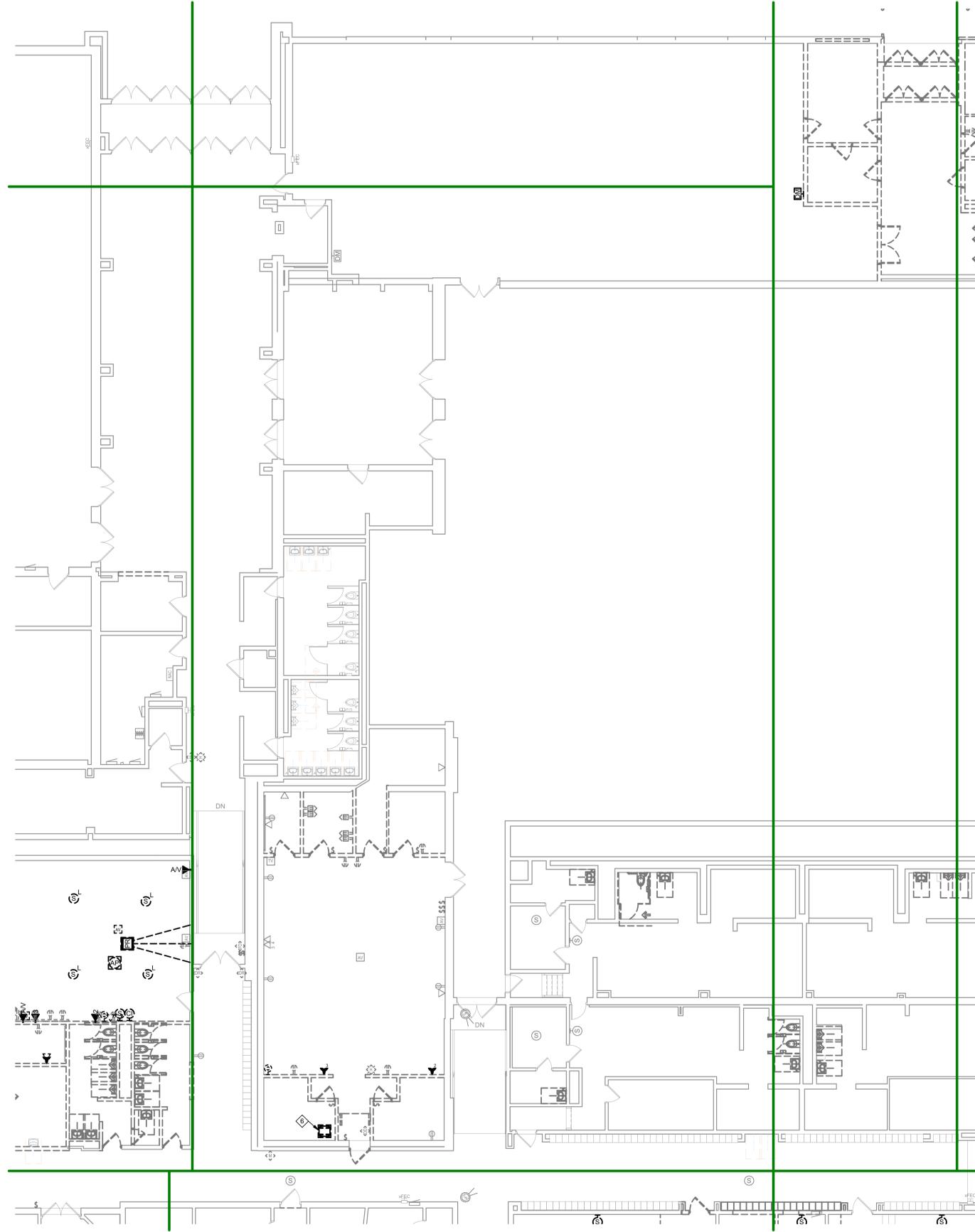
E

D

C

B

A



**GENERAL DEMOLITION NOTES**

- | # | NOTES  |
|---|--|
| A | REFER TO SHEET T-001 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 | THE OWNER HOLDS RIGHT OF FIRST REFUSAL FOR ALL DEMOLISHED TELECOMMUNICATIONS EQUIPMENT/CABLING.  |
| F | ALL TELECOMMUNICATION ITEMS SHOWN WITH LIGHT LINEWORK ARE EXISTING TO REMAIN.  |
| G | REMOVE ALL TELECOMMUNICATION ITEMS SHOWN WITH BOLD/DASHED LINEWORK COMPLETE.   |
| H | PROVIDE ALL CUTTING AND PATCHING AS REQUIRED FOR THE REMOVAL OF EXISTING TELECOMMUNICATION EQUIPMENT/CABLING. REFER TO SPECIFICATIONS.   |
| J | PROVIDE A BLANK COVER PLATE FOR ALL EXISTING WALL OPENINGS WHERE TELECOMMUNICATION CABLING HAS BEEN REMOVED AND NOT REPLACED. IN AREAS RECEIVING NEW WALL TREATMENTS, PATCH THE EXISTING OPENING.  |
| K | REFER TO A, M, AND P-SERIES DRAWINGS FOR AREAS WITH ABOVE CEILING WORK AND/OR CEILING REMOVAL. TEMPORARILY SUPPORT ALL TELECOMMUNICATIONS DEVICES, SPEAKERS, ETC. AS REQUIRED. RE-INSTALL TELECOMMUNICATIONS ITEMS FOLLOWING THE COMPLETION OF WORK IN THE NEW OR EXISTING CEILINGS. |
| L | OWNER TO REMOVE ALL WIRELESS ACCESS POINTS IN CEILING PRIOR TO CABLE DEMOLITION.   |
| M | ALL ABANDONED ANALOG PHONE EQUIPMENT AND CABLING TO BE REMOVED COMPLETE.   |

**DEMOLITION PLAN NOTES**

- | #  | NOTES   |
|----|---|
| 1  | EXISTING INTERCOM CENTRAL AND EQUIPMENT TO BE REMOVED COMPLETE.   |
| 2  | ALL EXISTING DATA CABLING AND INTERCOM WIRING AND SPEAKERS IN ADMIN SUITE TO BE REMOVED COMPLETE.   |
| 3  | EXISTING WALL MOUNTED CAMERAS TO BE REMOVED COMPLETE.   |
| 4  | EXISTING WALL MOUNTED INTERCOM SPEAKERS TO BE REMOVED COMPLETE.   |
| 5  | EXISTING PROJECTOR, MOUNT, AND CABLING TO BE REMOVED COMPLETE.  |
| 6  | EXISTING TELECOMMUNICATIONS RACK AND ALL ASSOCIATED WIRING TO BE REMOVED COMPLETE.  |
| 7  | EXISTING FIBER OPTIC LINE THAT SERVES THE ATHLETIC FIELDS TO REMAIN AND BE MAINTAINED IN PLACE.   |
| 8  | EXISTING GYM SOUND RACK TO BE RE-LOCATED. SEE SHEET 2-TF1D1 FOR NEW LOCATION.   |
| 9  | EXISTING ELECTRONIC ACCESS CONTROL PANELS TO REMAIN.  |
| 10 | EXISTING TELECOMMUNICATIONS RACK TO BE RE-LOCATED. SEE SHEET 2-TF1E1 FOR NEW LOCATION. REMOVE ALL DATA CABLING COMPLETE.  |
| 11 | EXISTING HIGH SCHOOL INTERCOM CABINET AND EQUIPMENT TO BE REMOVED COMPLETE. MAINTAIN SPEAKER WIRING IN THE EVENT ALTERNATE IS NOT ACCEPTED.                                     |
| 12 | EXISTING COAX CABLING TO BE REMOVED COMPLETE.   |
| 13 | EXISTING MOTORIZED PROJECTION SCREEN TO BE REMOVED COMPLETE.  |
| 14 | EXISTING MIDDLE SCHOOL INTERCOM CENTRAL EQUIPMENT, CABINET AND EQUIPMENT TO BE REMOVED COMPLETE. MAINTAIN SPEAKER WIRING TO BE USED IN THE EVENT THE ALTERNATE IS NOT ACCEPTED. |
| 15 | HS AND MS WIRING AND SPEAKER REPLACEMENTS ARE ALTERNATES. IF ALTERNATES ARE NOT ACCEPTED, EXTEND EXISTING WIRING TO NEW INTERCOM CENTRAL EQUIPMENT LOCATION.                    |
| 16 | EXISTING TELECOMMUNICATIONS RACK TO BE RE-LOCATED. SEE SHEET 2-TF1L1 FOR NEW LOCATION.  |
| 17 | EXISTING TELECOMMUNICATIONS RACK TO BE REMOVED COMPLETE.  |
| 18 | CONTRACTOR SHALL REMOVE ALL CABLING AND POWER POLE(S) SUSPENDED ABOVE CEILING COMPLETE.   |
| 19 | EXISTING DIRECTV HEADEND EQUIPMENT TO BE REMOVED AND COAX CABLING TO ALL CLASSROOMS TO BE REMOVED COMPLETE.   |
| 20 | CONTRACTOR SHALL REMOVE ALL EXISTING DATA, AV, AND TELEPHONE CABLING INCLUDING SURFACE RACEWAY COMPLETE.  |



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

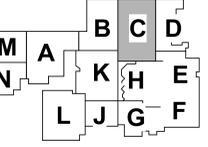


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#	Revision	Date

#	Revision	Date

3431 N 400 W  
 Kokomo IN , 46901



KEY PLAN

NORTHWESTERN SCHOOL CORPORATION



NORTHWESTERN HIGH SCHOOL / MIDDLE SCHOOL

2 - FIRST FLOOR HS TELECOMMUNICATIONS DEMO PLAN - UNIT C

2-TD1C1

1 HS FIRST FLOOR TELECOMMUNICATIONS DEMO PLAN - UNIT C  
 1/8" = 1'-0"

6

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4

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2

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PROJECT: 2022-086.TGR, 415 MASSACHUSETTS AVENUE, INDIANAPOLIS, IN 46204  
 DRAWING NO: 2-TD1C1, 2022-086.TGR, 415 MASSACHUSETTS AVENUE, INDIANAPOLIS, IN 46204  
 DATE: 08/29/2023



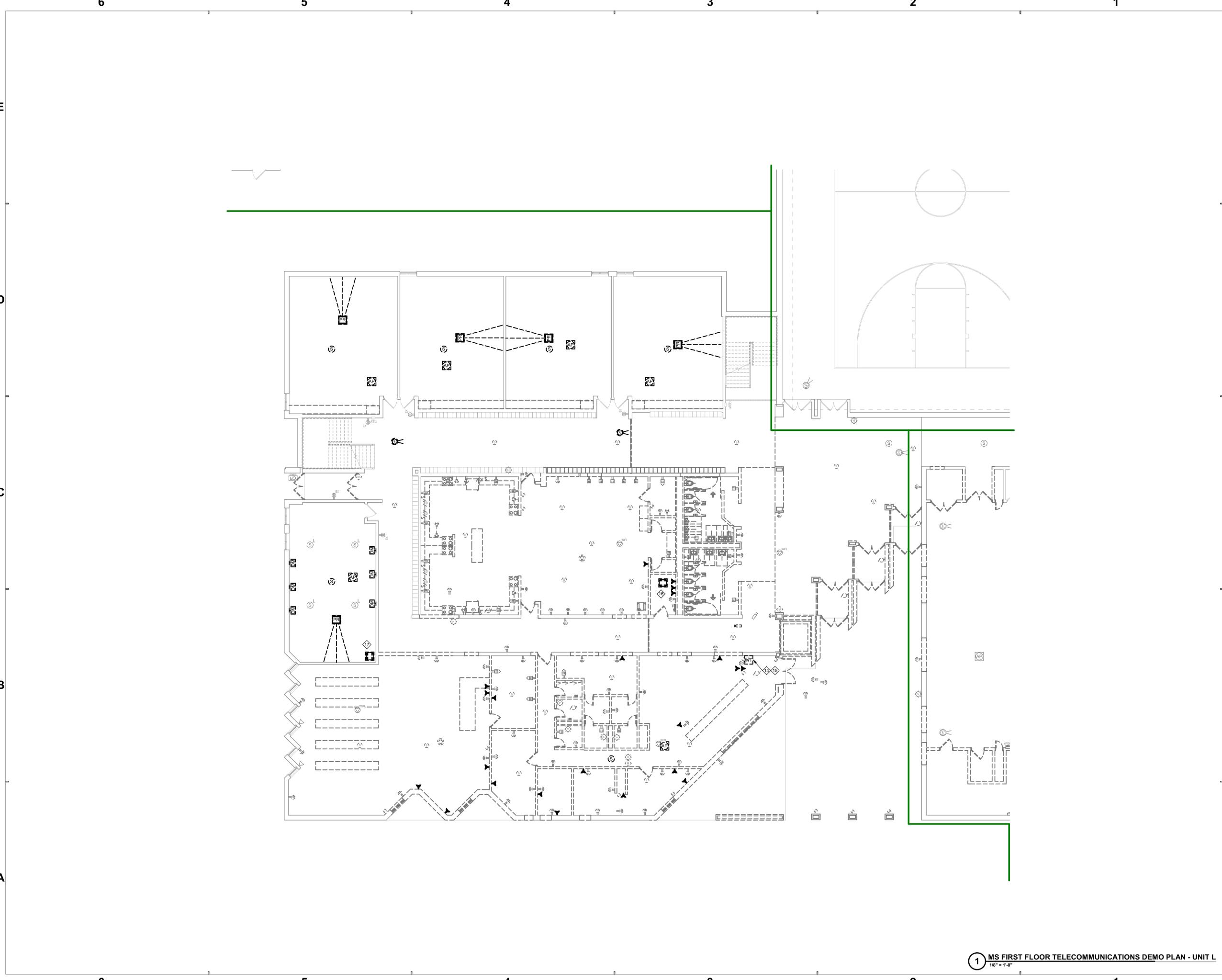












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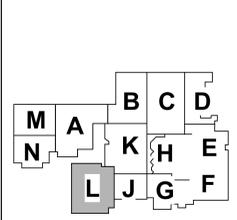
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*Sarah K. Hempstead*

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#	Revision	Date

3431 N 400 W  
 Kokomo IN , 46901



**KEY PLAN**

**NORTHWESTERN SCHOOL CORPORATION**

**NORTHWESTERN HIGH SCHOOL / MIDDLE SCHOOL**

**2 - FIRST FLOOR HS TELECOMMUNICATIONS DEMO PLAN - UNIT L**

**2-TD1L1**

**1 MS FIRST FLOOR TELECOMMUNICATIONS DEMO PLAN - UNIT L**  
 1/8" = 1'-0"

PROJECT: 2 - FIRST FLOOR HS TELECOMMUNICATIONS DEMO PLAN - UNIT L  
 DRAWING: 2-TD1L1  
 DATE: 08.29.2023  
 PROJECT LOCATION: 3431 N 400 W, KOKOMO, IN 46901  
 ARCHITECT: SCHMIDT ASSOCIATES, 415 MASSACHUSETTS AVENUE, INDIANAPOLIS, IN 46204  
 SCALE: 1/8" = 1'-0"





6

5

4

3

2

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### GENERAL TELECOMMUNICATIONS NOTES

#	NOTES
A	REFER TO SHEET T-001 FOR ADDITIONAL INFORMATION.

### TELECOMMUNICATIONS PLAN NOTES

#	NOTES
1	EXISTING TELECOMMUNICATIONS WALL MOUNTED CABINET TO REMAIN.
2	PROVIDE ROUGH-IN FOR WIRELESS ACCESS POINT AT 8'-4" A.F.F.
3	PROVIDE ROUGH-IN FOR INTERCOM SPEAKER HORN AT 8'-4" A.F.F.
4	PROVIDE ROUGH-IN AND POWER FOR MONITOR AT 6'-4" A.F.F.
5	PROVIDE TELECOMMUNICATIONS RACK AS SPECIFIED.
6	PROVIDE CABLE TRAY AS SPECIFIED.
7	PROVIDE (2) 4" SLEEVES FROM CORRIDOR TO TECH (B111a)
8	EXISTING FIBER OPTIC CABLING THAT SERVES THE ATHLETIC FIELDS TO REMAIN.
9	PROVIDE CABLING AND CONTACTS FOR DOOR MONITORING AS SPECIFIED.
10	NEW LOCATION FOR EXISTING GYM SOUND SYSTEM RACK AND EQUIPMENT. INSTALL ON WALL ABOVE CABINET.
11	RELOCATED TELECOMMUNICATIONS RACK.
12	PROVIDE ROUGH-IN FOR OWNER PROVIDED TIME CLOCK AT 52" A.F.F.
13	PROVIDE FSR PWB-250-WHT BACK BOX AT 7'-6" A.F.F. PROVIDE (2) 1-1/4" EMT CONDUITS TO ABOVE CEILING.
14	EXISTING VIDEO SURVEILLANCE CAMERA WILL REQUIRE NEW CAT 6 CABLING TO NEW TELECOM ROOM IN MIDDLE SCHOOL.
15	PROVIDE 4" CONDUIT TO SECOND FLOOR. SEE SHEET 2-TF1L2 FOR LOCATION.
16	PROVIDE 4" CONDUIT TO HALLWAY.
17	PROVIDE ROUGH-IN FOR OWNER PROVIDED MONITOR AT 6'-0" A.F.F.
18	EXISTING RACK RELOCATED HERE.
19	STUB UP IN STORAGE (L216) SECOND FLOOR.
20	STUB UP LOCATION OF 4" EMT CONDUIT FROM FIRST FLOOR TELECOM ROOM. ROUTE CONDUIT TO ABOVE HALLWAY CEILING AND TURN CONDUIT INTO HALLWAY.
21	PROVIDE NEW UTP DATA CABLING FOR EXISTING VIDEO SURVEILLANCE CAMERA.
22	PROVIDE NEW UTP DATA CABLING. RE-USE EXISTING PATHWAY.
23	PROVIDE NEW UTP DATA CABLING FOR OWNER PROVIDED WIRELESS ACCESS POINT AT 8' A.F.F.
24	PROVIDE NEW UTP DATA CABLING FOR OWNER PROVIDED VIDEO SURVEILLANCE CAMERA AT 8' A.F.F.
25	PROVIDE DATA CABLING COILED ABOVE CEILING FOR OWNER PROVIDED VAPE DETECTION DEVICES.
26	PROVIDE DATA CABLING FOR EXISTING CAMERAS. QUANTITY AND LOCATION NOT KNOWN AT THE TIME OF THESE DRAWINGS. ASSUME (4) FOR BIDDING PURPOSES.
27	PROVIDE MONITOR ROUGH-IN AND POWER AT 7'-0" A.F.F. FOR RELOCATED EXISTING MONITOR.
28	PROVIDE MIDDLE ATLANTIC CWR-12-22PD WALL MOUNTED CABINET ABOVE SOUND EQUIPMENT RACK. SEE SHEET 2-T1-502 FOR BACKBONE CABLING INFORMATION. THIS CABINET WILL SERVE THE DATA CABLING FOR UNIT D.
29	PROVIDE NEW DATA CABLING TO EXISTING LOCATIONS. QUANTITY AND LOCATIONS NOT KNOWN. ASSUME (6) FOR BIDDING PURPOSES.
30	EXISTING WIRELESS ACCESS POINT WILL REQUIRE NEW CAT 6 CABLING TO NEW TELECOM ROOM IN MIDDLE SCHOOL.
31	PROVIDE ROUGH-IN FOR VIDEO SURVEILLANCE CAMERA AT 8'-6" A.F.F.

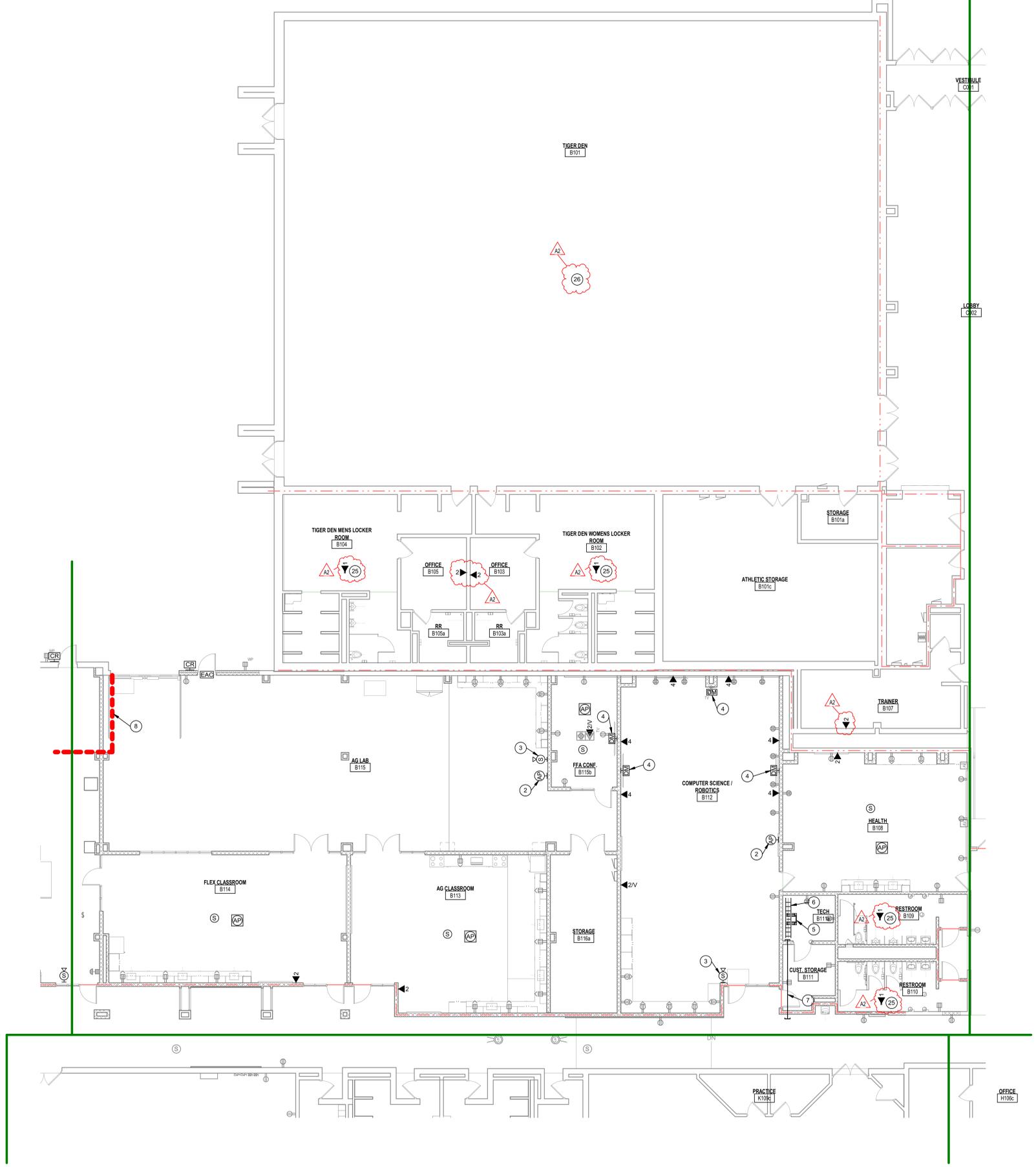


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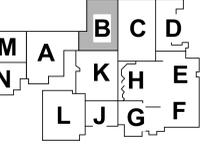


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#	Revision	Date
A2	ADDENDUM #2	09.19.2023



3431 N 400 W  
 Kokomo IN , 46901



### KEY PLAN

NORTHWESTERN SCHOOL CORPORATION



NORTHWESTERN HIGH SCHOOL / MIDDLE SCHOOL

2 - FIRST FLOOR HS TELECOMMUNICATIONS PLAN - UNIT B

2-TF1B1

1 HS FIRST FLOOR TELECOMMUNICATIONS PLAN - UNIT B  
 1/8" = 1'-0"

6

5

4

3

2

1





**GENERAL TELECOMMUNICATIONS NOTES**

#	NOTES
A	REFER TO SHEET T-001 FOR ADDITIONAL INFORMATION.

**TELECOMMUNICATIONS PLAN NOTES**

#	NOTES
1	EXISTING TELECOMMUNICATIONS WALL MOUNTED CABINET TO REMAIN.
2	PROVIDE ROUGH-IN FOR WIRELESS ACCESS POINT AT 8'-4" A.F.F.
3	PROVIDE ROUGH-IN FOR INTERCOM SPEAKER HORN AT 8'-4" A.F.F.
4	PROVIDE ROUGH-IN AND POWER FOR MONITOR AT 6'-4" A.F.F.
5	PROVIDE TELECOMMUNICATIONS RACK AS SPECIFIED.
6	PROVIDE CABLE TRAY AS SPECIFIED.
7	PROVIDE (2) 4" SLEEVES FROM CORRIDOR TO TECH (B111a)
8	EXISTING FIBER OPTIC CABLING THAT SERVES THE ATHLETIC FIELDS TO REMAIN.
9	PROVIDE CABLING AND CONTACTS FOR DOOR MONITORING AS SPECIFIED.
10	NEW LOCATION FOR EXISTING GYM SOUND SYSTEM RACK AND EQUIPMENT. INSTALL ON WALL ABOVE CABINET.
11	RELOCATED TELECOMMUNICATIONS RACK.
12	PROVIDE ROUGH-IN FOR OWNER PROVIDED TIME CLOCK AT 52" A.F.F.
13	PROVIDE FSR PWB-250-WHT BACK BOX AT 7'-6" A.F.F. PROVIDE (2) 1-1/4" EMT CONDUITS TO ABOVE CEILING.
14	EXISTING VIDEO SURVEILLANCE CAMERA WILL REQUIRE NEW CAT 6 CABLING TO NEW TELECOM ROOM IN MIDDLE SCHOOL.
15	PROVIDE 4" CONDUIT TO SECOND FLOOR. SEE SHEET 2-TF1L2 FOR LOCATION.
16	PROVIDE 4" CONDUIT TO HALLWAY.
17	PROVIDE ROUGH-IN FOR OWNER PROVIDED MONITOR AT 6'-0" A.F.F.
18	EXISTING RACK RELOCATED HERE.
19	STUB UP IN STORAGE (L216) SECOND FLOOR.
20	STUB UP LOCATION OF 4" EMT CONDUIT FROM FIRST FLOOR TELECOM ROOM. ROUTE CONDUIT TO ABOVE HALLWAY CEILING AND TURN CONDUIT INTO HALLWAY.
21	PROVIDE NEW UTP DATA CABLING FOR EXISTING VIDEO SURVEILLANCE CAMERA.
22	PROVIDE NEW UTP DATA CABLING. RE-USE EXISTING PATHWAY.
23	PROVIDE NEW UTP DATA CABLING FOR OWNER PROVIDED WIRELESS ACCESS POINT AT 8' A.F.F.
24	PROVIDE NEW UTP DATA CABLING FOR OWNER PROVIDED VIDEO SURVEILLANCE CAMERA AT 8' A.F.F.
25	PROVIDE DATA CABLING COILED ABOVE CEILING FOR OWNER PROVIDED VAPE DETECTION DEVICES.
26	PROVIDE DATA CABLING FOR EXISTING CAMERAS. QUANTITY AND LOCATION NOT KNOWN AT THE TIME OF THESE DRAWINGS. ASSUME (4) FOR BIDDING PURPOSES.
27	PROVIDE MONITOR ROUGH-IN AND POWER AT 7'-0" A.F.F. FOR RELOCATED EXISTING MONITOR.
28	PROVIDE MIDDLE ATLANTIC CWR-12-22PD WALL MOUNTED CABINET ABOVE SOUND EQUIPMENT RACK. SEE SHEET 2-T-502 FOR BACKBONE CABLING INFORMATION. THIS CABINET WILL SERVE THE DATA CABLING FOR UNIT D.
29	PROVIDE NEW DATA CABLING TO EXISTING LOCATIONS. QUANTITY AND LOCATIONS NOT KNOWN. ASSUME (6) FOR BIDDING PURPOSES.
30	EXISTING WIRELESS ACCESS POINT WILL REQUIRE NEW CAT 6 CABLING TO NEW TELECOM ROOM IN MIDDLE SCHOOL.
31	PROVIDE ROUGH-IN FOR VIDEO SURVEILLANCE CAMERA AT 8'-6" A.F.F.



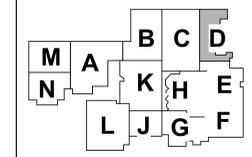
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#	Revision	Date
A2	ADDENDUM #2	09.19.2023

3431 N 400 W  
 Kokomo IN , 46901



KEY PLAN

NORTHWESTERN SCHOOL CORPORATION



NORTHWESTERN HIGH SCHOOL / MIDDLE SCHOOL

2 - FIRST FLOOR HS TELECOMMUNICATIONS PLAN - UNIT D

2-TF1D1

1 HS FIRST FLOOR TELECOMMUNICATIONS PLAN - UNIT D  
 1/8" = 1'-0"

2022-086.TGR - 2 - FIRST FLOOR HS TELECOMMUNICATIONS PLAN - UNIT D  
 PREPARED BY: SCHMIDT ASSOCIATES  
 CHECKED BY: SCHMIDT ASSOCIATES  
 DATE: 08/29/2023



6 5 4 3 2 1

E D C B A

### GENERAL TELECOMMUNICATIONS NOTES

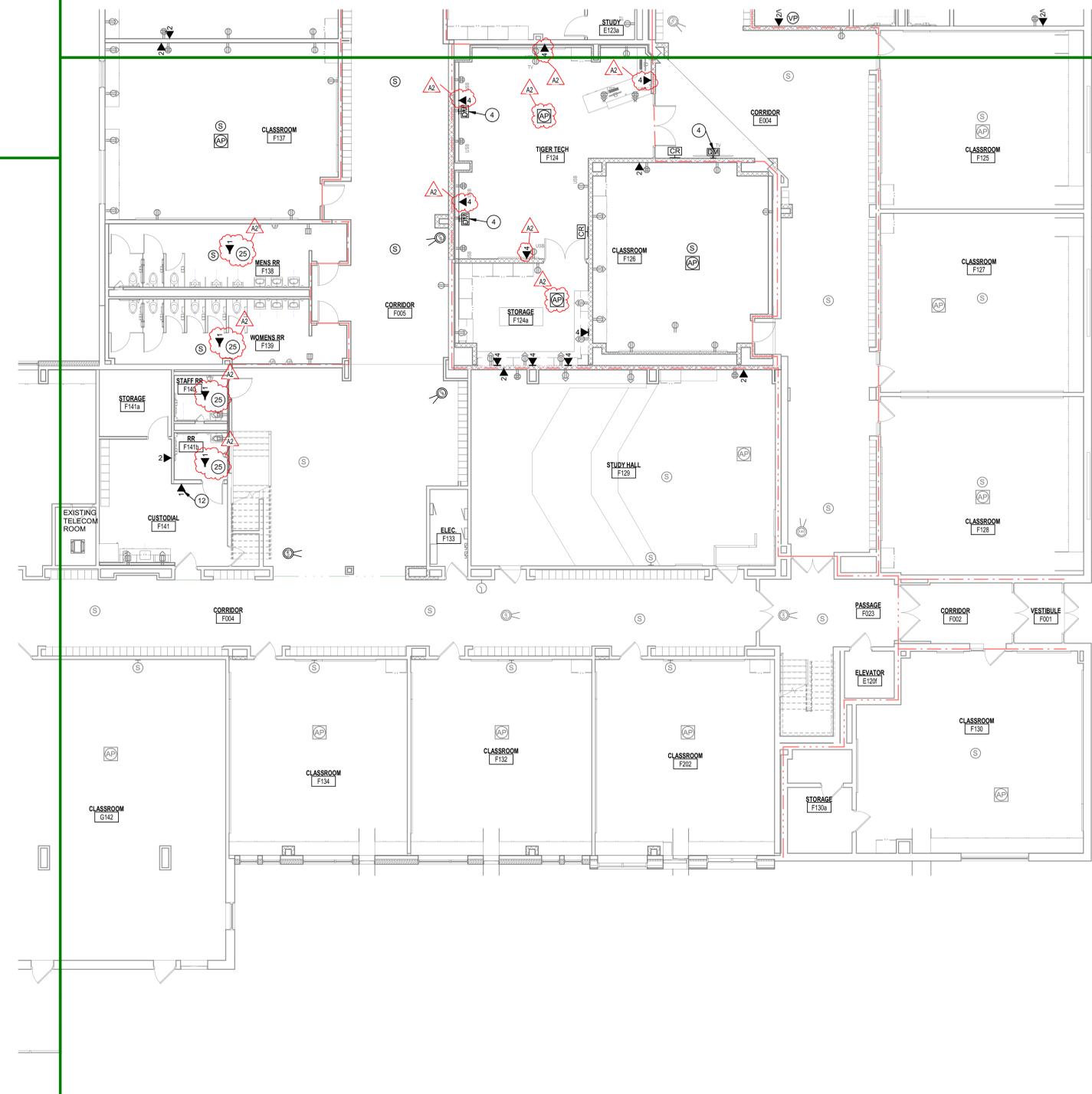
# NOTES

A REFER TO SHEET T-001 FOR ADDITIONAL INFORMATION.

### TELECOMMUNICATIONS PLAN NOTES

# NOTES

- 1 EXISTING TELECOMMUNICATIONS WALL MOUNTED CABINET TO REMAIN.
- 2 PROVIDE ROUGH-IN FOR WIRELESS ACCESS POINT AT 8'-4" A.F.F.
- 3 PROVIDE ROUGH-IN FOR INTERCOM SPEAKER HORN AT 8'-4" A.F.F.
- 4 PROVIDE ROUGH-IN AND POWER FOR MONITOR AT 6'-4" A.F.F.
- 5 PROVIDE TELECOMMUNICATIONS RACK AS SPECIFIED.
- 6 PROVIDE CABLE TRAY AS SPECIFIED.
- 7 PROVIDE (2) 4" SLEEVES FROM CORRIDOR TO TECH (B111a)
- 8 EXISTING FIBER OPTIC CABLING THAT SERVES THE ATHLETIC FIELDS TO REMAIN.
- 9 PROVIDE CABLING AND CONTACTS FOR DOOR MONITORING AS SPECIFIED.
- 10 NEW LOCATION FOR EXISTING GYM SOUND SYSTEM RACK AND EQUIPMENT. INSTALL ON WALL ABOVE CABINET.
- 11 RELOCATED TELECOMMUNICATIONS RACK.
- 12 PROVIDE ROUGH-IN FOR OWNER PROVIDED TIME CLOCK AT 52" A.F.F.
- 13 PROVIDE FSR PWB-250-WHT BACK BOX AT 7'-6" A.F.F. PROVIDE (2) 1-1/4" EMT CONDUITS TO ABOVE CEILING.
- 14 EXISTING VIDEO SURVEILLANCE CAMERA WILL REQUIRE NEW CAT 6 CABLING TO NEW TELECOM ROOM IN MIDDLE SCHOOL.
- 15 PROVIDE 4" CONDUIT TO SECOND FLOOR. SEE SHEET 2-TF1L2 FOR LOCATION.
- 16 PROVIDE 4" CONDUIT TO HALLWAY.
- 17 PROVIDE ROUGH-IN FOR OWNER PROVIDED MONITOR AT 6'-0" A.F.F.
- 18 EXISTING RACK RELOCATED HERE.
- 19 STUB UP IN STORAGE (L216) SECOND FLOOR.
- 20 STUB UP LOCATION OF 4" EMT CONDUIT FROM FIRST FLOOR TELECOM ROOM. ROUTE CONDUIT TO ABOVE HALLWAY CEILING AND TURN CONDUIT INTO HALLWAY.
- 21 PROVIDE NEW UTP DATA CABLING FOR EXISTING VIDEO SURVEILLANCE CAMERA.
- 22 PROVIDE NEW UTP DATA CABLING. RE-USE EXISTING PATHWAY.
- 23 PROVIDE NEW UTP DATA CABLING FOR OWNER PROVIDED WIRELESS ACCESS POINT AT 8' A.F.F.
- 24 PROVIDE NEW UTP DATA CABLING FOR OWNER PROVIDED VIDEO SURVEILLANCE CAMERA AT 8' A.F.F.
- 25 PROVIDE DATA CABLING COILED ABOVE CEILING FOR OWNER PROVIDED VAPE DETECTION DEVICES.
- 26 PROVIDE DATA CABLING FOR EXISTING CAMERAS. QUANTITY AND LOCATION NOT KNOWN AT THE TIME OF THESE DRAWINGS. ASSUME (4) FOR BIDDING PURPOSES.
- 27 PROVIDE MONITOR ROUGH-IN AND POWER AT 7'-0" A.F.F. FOR RELOCATED EXISTING MONITOR.
- 28 PROVIDE MIDDLE ATLANTIC CWR-12-22PD WALL MOUNTED CABINET ABOVE SOUND EQUIPMENT RACK. SEE SHEET 2-T-502 FOR BACKBONE CABLING INFORMATION. THIS CABINET WILL SERVE THE DATA CABLING FOR UNIT D.
- 29 PROVIDE NEW DATA CABLING TO EXISTING LOCATIONS. QUANTITY AND LOCATIONS NOT KNOWN. ASSUME (6) FOR BIDDING PURPOSES.
- 30 EXISTING WIRELESS ACCESS POINT WILL REQUIRE NEW CAT 6 CABLING TO NEW TELECOM ROOM IN MIDDLE SCHOOL.
- 31 PROVIDE ROUGH-IN FOR VIDEO SURVEILLANCE CAMERA AT 8'-6" A.F.F.



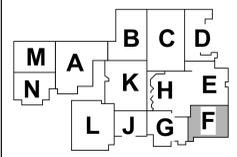
Project No. 2022-086.TGR  
 Project Date 08.29.2023  
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#	Revision	Date
A2	ADDENDUM #2	09.19.2023

3431 N 400 W  
 Kokomo IN , 46901



KEY PLAN

NORTHWESTERN SCHOOL CORPORATION



NORTHWESTERN HIGH SCHOOL / MIDDLE SCHOOL

2 - FIRST FLOOR HS TELECOMMUNICATIONS PLAN - UNIT F

2-TF1F1

1 HS FIRST FLOOR TELECOMMUNICATIONS PLAN - UNIT F  
 1/8" = 1'-0"

6 5 4 3 2 1

PROJECT: 2022-086.TGR, 3431 N 400 W, KOKOMO, IN 46901  
 ARCHITECT: SCHMIDT ASSOCIATES, 415 MASSACHUSETTS AVENUE, INDIANAPOLIS, IN 46204  
 DATE: 08.29.2023

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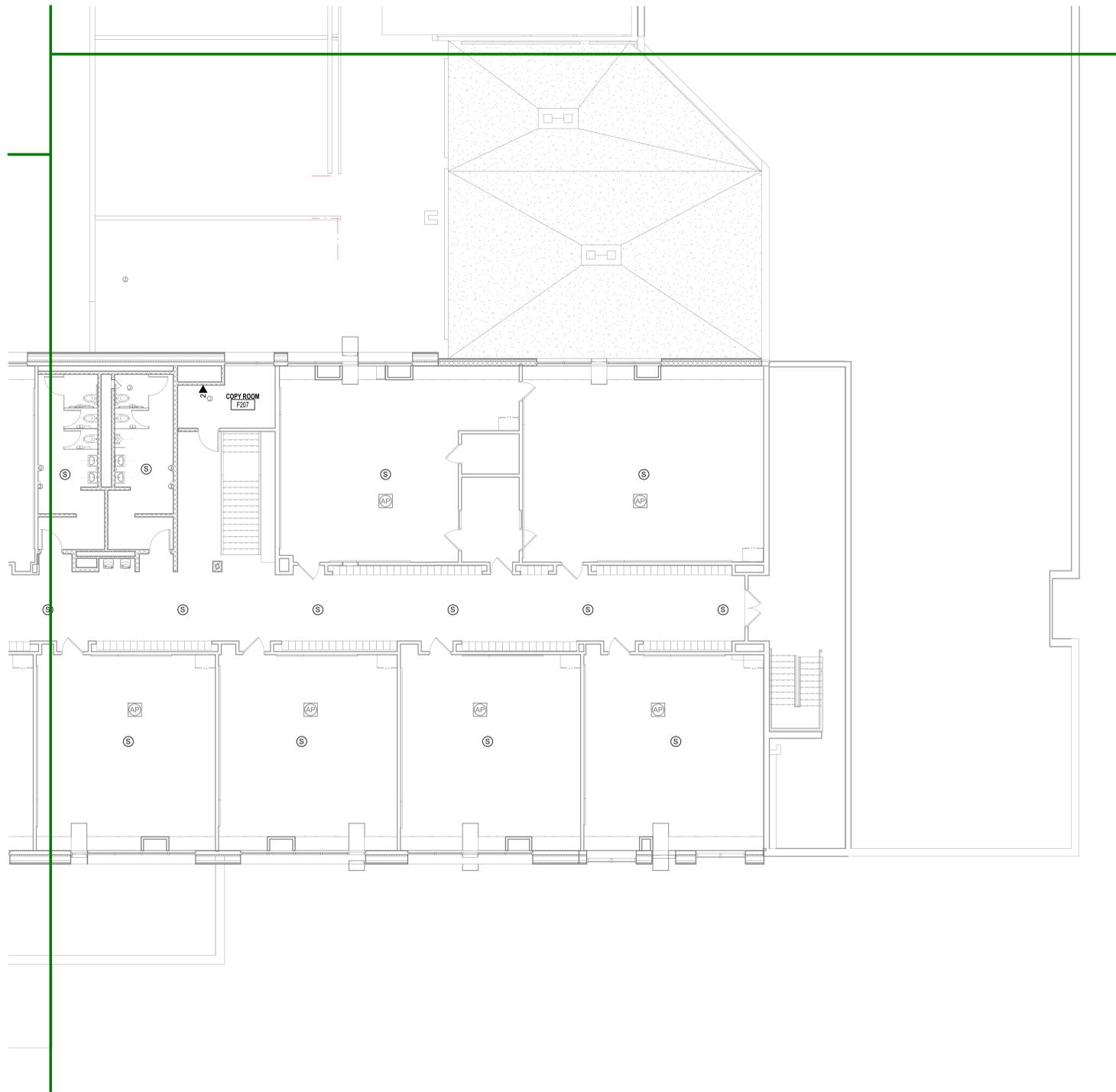
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**GENERAL TELECOMMUNICATIONS NOTES**

#	NOTES
A	REFER TO SHEET T-001 FOR ADDITIONAL INFORMATION.

**TELECOMMUNICATIONS PLAN NOTES**

#	NOTES
1	EXISTING TELECOMMUNICATIONS WALL MOUNTED CABINET TO REMAIN.
2	PROVIDE ROUGH-IN FOR WIRELESS ACCESS POINT AT 8'-4" A.F.F.
3	PROVIDE ROUGH-IN FOR INTERCOM SPEAKER HORN AT 8'-4" A.F.F.
4	PROVIDE ROUGH-IN AND POWER FOR MONITOR AT 6'-4" A.F.F.
5	PROVIDE TELECOMMUNICATIONS RACK AS SPECIFIED.
6	PROVIDE CABLE TRAY AS SPECIFIED.
7	PROVIDE (2) 4" SLEEVES FROM CORRIDOR TO TECH (B111a)
8	EXISTING FIBER OPTIC CABLING THAT SERVES THE ATHLETIC FIELDS TO REMAIN.
9	PROVIDE CABLING AND CONTACTS FOR DOOR MONITORING AS SPECIFIED.
10	NEW LOCATION FOR EXISTING GYM SOUND SYSTEM RACK AND EQUIPMENT. INSTALL ON WALL ABOVE CABINET.
11	RELOCATED TELECOMMUNICATIONS RACK.
12	PROVIDE ROUGH-IN FOR OWNER PROVIDED TIME CLOCK AT 52" A.F.F.
13	PROVIDE FSR PWB-250-WHT BACK BOX AT 7'-6" A.F.F. PROVIDE (2) 1-1/4" EMT CONDUITS TO ABOVE CEILING.
14	EXISTING VIDEO SURVEILLANCE CAMERA WILL REQUIRE NEW CAT 6 CABLING TO NEW TELECOM ROOM IN MIDDLE SCHOOL.
15	PROVIDE 4" CONDUIT TO SECOND FLOOR. SEE SHEET 2-TF1L2 FOR LOCATION.
16	PROVIDE 4" CONDUIT TO HALLWAY.
17	PROVIDE ROUGH-IN FOR OWNER PROVIDED MONITOR AT 6'-0" A.F.F.
18	EXISTING RACK RELOCATED HERE.
19	STUB UP IN STORAGE (L216) SECOND FLOOR.
20	STUB UP LOCATION OF 4" EMT CONDUIT FROM FIRST FLOOR TELECOM ROOM. ROUTE CONDUIT TO ABOVE HALLWAY CEILING AND TURN CONDUIT INTO HALLWAY.
21	PROVIDE NEW UTP DATA CABLING FOR EXISTING VIDEO SURVEILLANCE CAMERA.
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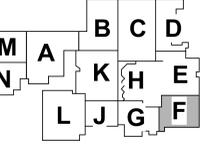
Project No. 2022-086.TGR  
 Project Date 08.29.2023  
 Produced MD



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#	Revision	Date

3431 N 400 W  
 Kokomo IN , 46901



KEY PLAN

NORTHWESTERN SCHOOL CORPORATION



NORTHWESTERN HIGH SCHOOL / MIDDLE SCHOOL

2 - SECOND FLOOR HS TELECOMMUNICATIONS PLAN - UNIT F

2-TF1F2

1 HS SECOND FLOOR TELECOMMUNICATIONS PLAN - UNIT F  
 1/8" = 1'-0"

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PROJECT: 2 - SECOND FLOOR HS TELECOMMUNICATIONS PLAN - UNIT F  
 DRAWING TITLE: NORTHWESTERN SCHOOL CORPORATION / MIDDLE SCHOOL / 2022-086.TGR  
 SHEET NO.: 2 - TF1F2  
 DATE: 08/29/2023

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GENERAL TELECOMMUNICATIONS NOTES

#	NOTES
A	REFER TO SHEET T-001 FOR ADDITIONAL INFORMATION.

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10	NEW LOCATION FOR EXISTING GYM SOUND SYSTEM RACK AND EQUIPMENT. INSTALL ON WALL ABOVE CABINET.
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SCHMIDT ASSOCIATES  
415 Massachusetts Avenue  
Indianapolis, IN 46204  
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Project No. 2022-086.TGR  
Project Date 08.29.2023  
Produced MD

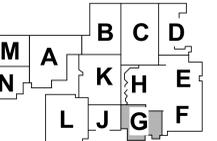


Sarah K. Hempstead

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#	Revision	Date

3431 N 400 W  
Kokomo IN , 46901



KEY PLAN

NORTHWESTERN SCHOOL CORPORATION



NORTHWESTERN HIGH SCHOOL / MIDDLE SCHOOL

2 - FIRST FLOOR HS TELECOMMUNICATIONS PLAN - UNIT G

2-TF1G1



1 HS FIRST FLOOR TELECOMMUNICATIONS PLAN - UNIT G  
1/8" = 1'-0"

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2022-086.TGR 2 - FIRST FLOOR HS TELECOMMUNICATIONS PLAN - UNIT G  
DATE: 08/29/2023 10:58:15 AM  
DRAWN BY: S.K.H.  
CHECKED BY: M.D.  
PROJECT: 2022-086.TGR 2 - FIRST FLOOR HS TELECOMMUNICATIONS PLAN - UNIT G

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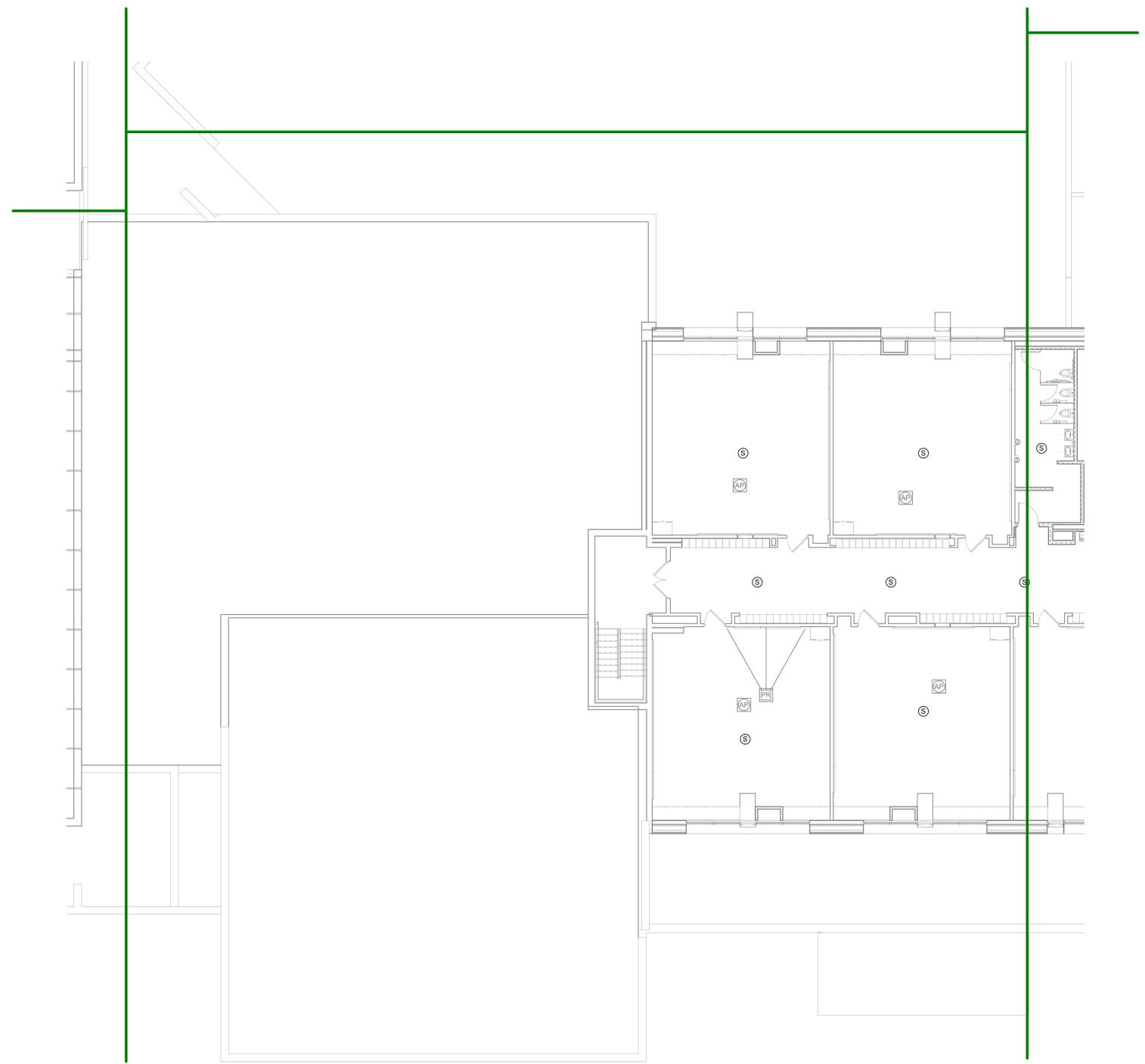
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1 HS SECOND FLOOR TELECOMMUNICATIONS PLAN - UNIT G  
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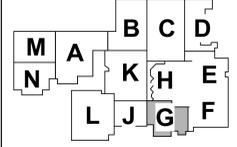
Project No. 2022-086.TGR  
Project Date 08.29.2023  
Produced MD



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#	Revision	Date

3431 N 400 W  
Kokomo IN , 46901



KEY PLAN

NORTHWESTERN SCHOOL CORPORATION



NORTHWESTERN HIGH SCHOOL / MIDDLE SCHOOL

2 - SECOND FLOOR MS TELECOMMUNICATIONS PLAN - UNIT G

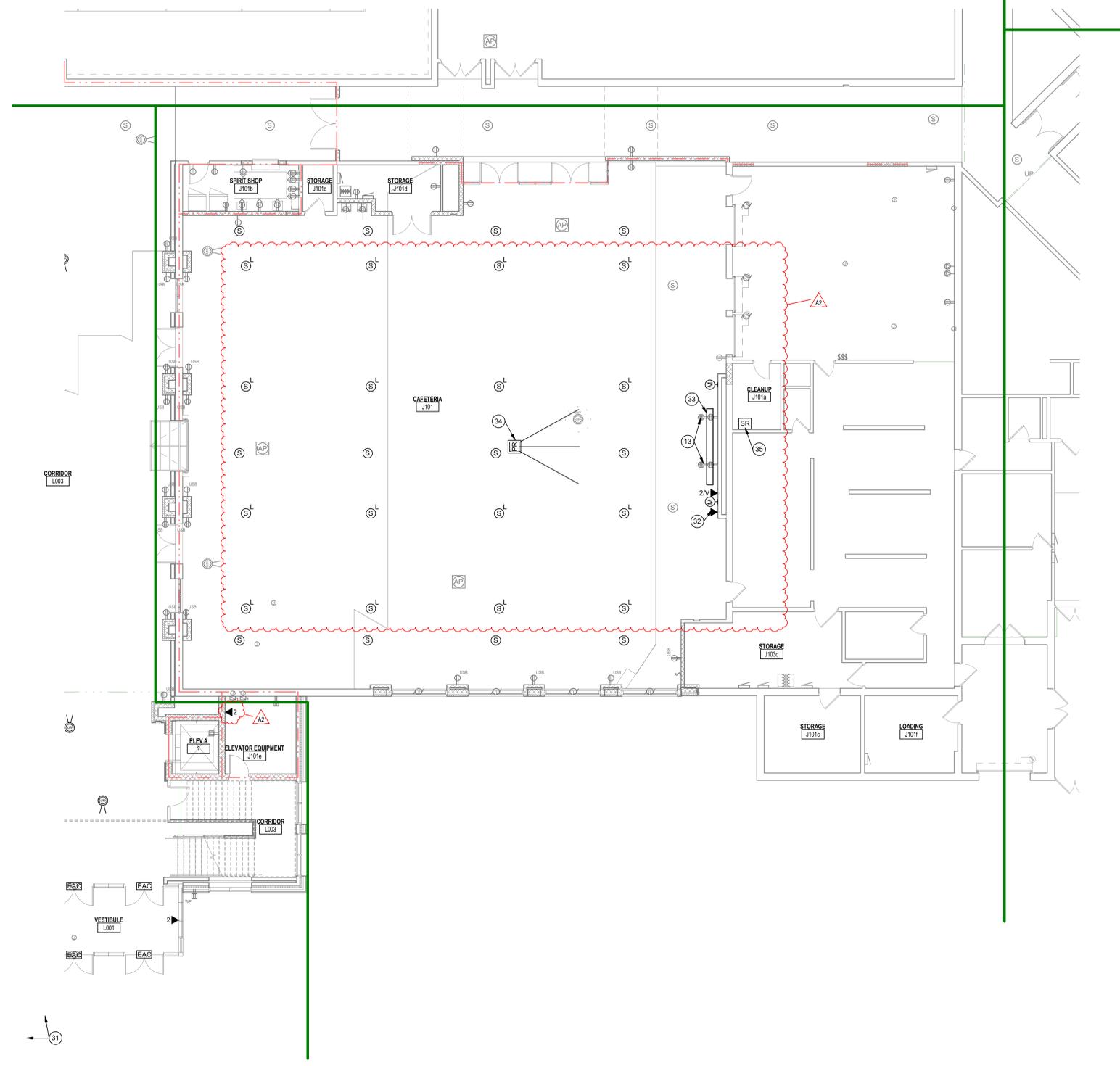
2-TF1G2

2 - SECOND FLOOR MS TELECOMMUNICATIONS PLAN - UNIT G  
 2-TF1G2  
 08/29/2023  
 MD



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**GENERAL TELECOMMUNICATIONS NOTES**

- | # | NOTES  |
|---|--|
| A | REFER TO SHEET T-001 FOR ADDITIONAL INFORMATION. |

**TELECOMMUNICATIONS PLAN NOTES**

- | #  | NOTES   |
|----|---|
| 1  | EXISTING TELECOMMUNICATIONS WALL MOUNTED CABINET TO REMAIN.   |
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| 3  | PROVIDE ROUGH-IN FOR INTERCOM SPEAKER HORN AT 8'-4" A.F.F.  |
| 4  | PROVIDE ROUGH-IN AND POWER FOR MONITOR AT 6'-4" A.F.F.  |
| 5  | PROVIDE TELECOMMUNICATIONS RACK AS SPECIFIED.   |
| 6  | PROVIDE CABLE TRAY AS SPECIFIED.  |
| 7  | PROVIDE (2) 4" SLEEVES FROM CORRIDOR TO TECH (B111a)  |
| 8  | EXISTING FIBER OPTIC CABLING THAT SERVES THE ATHLETIC FIELDS TO REMAIN.   |
| 9  | PROVIDE CABLING AND CONTACTS FOR DOOR MONITORING AS SPECIFIED.  |
| 10 | NEW LOCATION FOR EXISTING GYM SOUND SYSTEM RACK AND EQUIPMENT. INSTALL ON WALL ABOVE CABINET.   |
| 11 | RELOCATED TELECOMMUNICATIONS RACK.  |
| 12 | PROVIDE ROUGH-IN FOR OWNER PROVIDED TIME CLOCK AT 52" A.F.F.  |
| 13 | POWER TO BE RELOCATED FOR CEILING MOUNTED PROJECTOR AND MOTORIZED PROJECTION SCREEN.  |
| 14 | EXISTING VIDEO SURVEILLANCE CAMERA WILL REQUIRE NEW CAT 6 CABLING TO NEW TELECOM ROOM IN MIDDLE SCHOOL.   |
| 15 | PROVIDE 4" CONDUIT TO SECOND FLOOR. SEE SHEET 2-TF1L2 FOR LOCATION.   |
| 16 | PROVIDE 4" CONDUIT TO HALLWAY.  |
| 17 | PROVIDE ROUGH-IN FOR OWNER PROVIDED MONITOR AT 6'-0" A.F.F.   |
| 18 | EXISTING RACK RELOCATED HERE.   |
| 19 | STUB UP IN STORAGE (L216) SECOND FLOOR.   |
| 20 | STUB UP LOCATION OF 4" EMT CONDUIT FROM FIRST FLOOR TELECOM ROOM. ROUTE CONDUIT TO ABOVE HALLWAY CEILING AND TURN CONDUIT INTO HALLWAY.   |
| 21 | PROVIDE NEW UTP DATA CABLING FOR EXISTING VIDEO SURVEILLANCE CAMERA.  |
| 22 | PROVIDE NEW UTP DATA CABLING. RE-USE EXISTING PATHWAY.  |
| 23 | PROVIDE NEW UTP DATA CABLING FOR OWNER PROVIDED WIRELESS ACCESS POINT AT 8' A.F.F.  |
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| 25 | PROVIDE DATA CABLING COILED ABOVE CEILING FOR OWNER PROVIDED VAPE DETECTION DEVICES.  |
| 26 | PROVIDE DATA CABLING FOR EXISTING CAMERAS. QUANTITY AND LOCATION NOT KNOWN AT THE TIME OF THESE DRAWINGS. ASSUME (4) FOR BIDDING PURPOSES.  |
| 27 | PROVIDE MONITOR ROUGH-IN AND POWER AT 7'-0" A.F.F. FOR RELOCATED EXISTING MONITOR.  |
| 28 | PROVIDE MIDDLE ATLANTIC CWR-12-22PD WALL MOUNTED CABINET ABOVE SOUND EQUIPMENT RACK. SEE SHEET 2-T-502 FOR BACKBONE CABLING INFORMATION. THIS CABINET WILL SERVE THE DATA CABLING FOR UNIT D. |
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| 30 | EXISTING WIRELESS ACCESS POINT WILL REQUIRE NEW CAT 6 CABLING TO NEW TELECOM ROOM IN MIDDLE SCHOOL.   |
| 31 | PROVIDE ROUGH-IN FOR VIDEO SURVEILLANCE CAMERA AT 8'-6" A.F.F.  |
| 32 | PROVIDE ROUGH-IN FOR PROJECTION SCREEN UP/DOWN SWITCH AT 46" A.F.F.   |
| 33 | PROVIDE MOTORIZED TAB-TENSIONED PROJECTION SCREEN. DA-LITE CONTOUR ELECTROL 1610, 189", 120V IS BASIS OF DESIGN.  |
| 34 | PROVIDE CEILING MOUNT PROJECTOR AND PROJECTOR PAN AND HDMI CABLING. EPSON L730U AND PEERLESS PRGS-455 IS BASIS OF DESIGN. INTEGRATE PROJECTION WITH CAFETERIA LOCAL SOUND SYSTEM.             |
| 35 | PROVIDE CAFETERIA SOUND SYSTEM AS SPECIFIED.  |



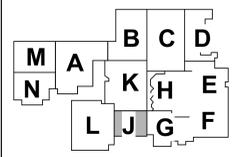
Project No. 2022-086.TGR  
 Project Date 08.29.2023  
 Produced MD



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#	Revision	Date
A2	ADDENDUM #2	09.19.2023

3431 N 400 W  
 Kokomo IN , 46901



KEY PLAN

NORTHWESTERN SCHOOL CORPORATION



NORTHWESTERN HIGH SCHOOL / MIDDLE SCHOOL

2 - FIRST FLOOR HS TELECOMMUNICATIONS PLAN - UNIT J

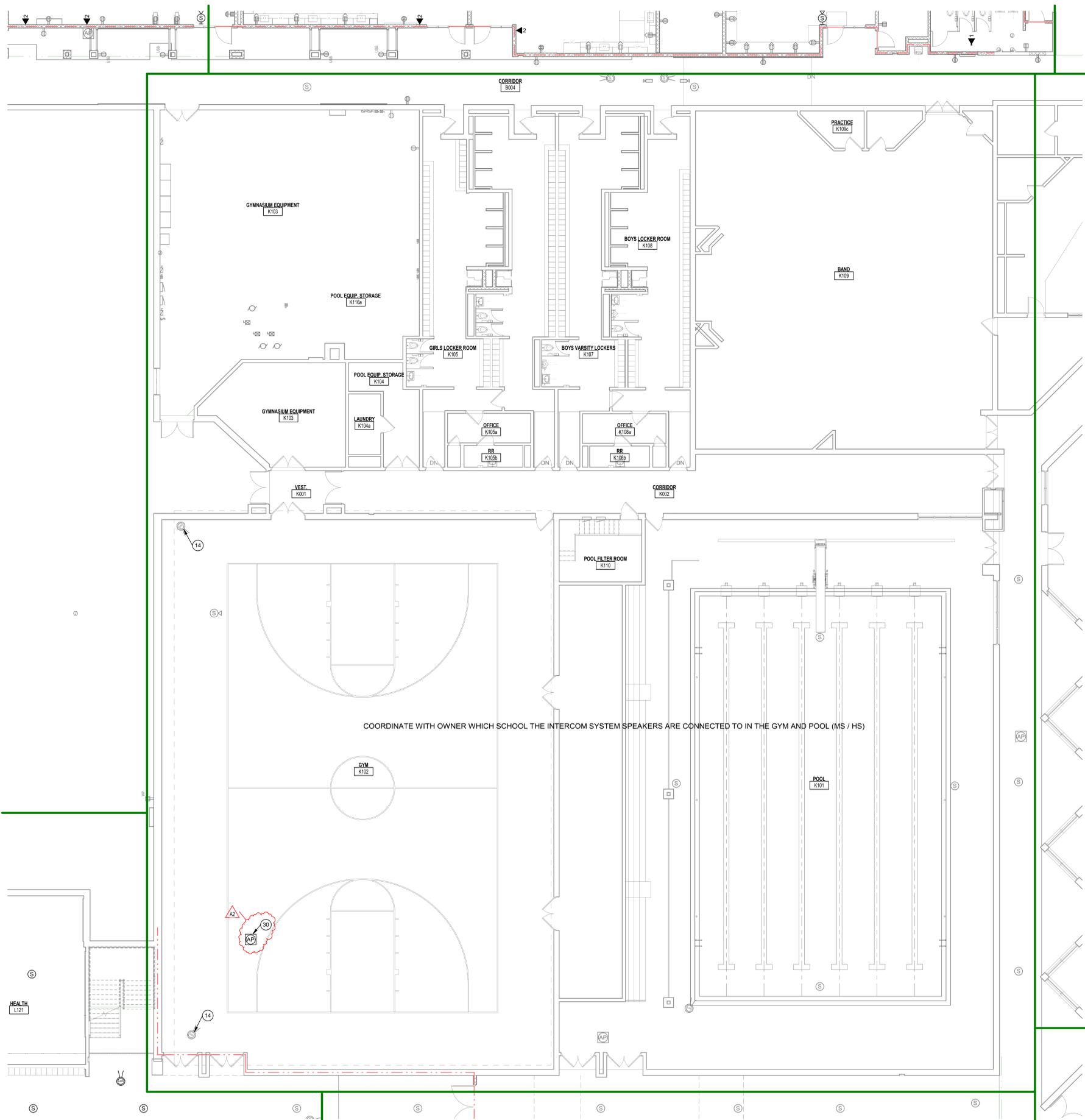
2-TF1J1

1 MS FIRST FLOOR TELECOMMUNICATIONS PLAN - UNIT J  
 1/8" = 1'-0"

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PROJECT: 2022-086.TGR, NORTHWESTERN SCHOOL CORPORATION, 3431 N 400 W, KOKOMO, IN 46901  
 DRAWING NO: 2-TF1J1, 08/29/2023, 10:00 AM  
 DESIGNED BY: MD  
 CHECKED BY: MD  
 APPROVED BY: MD

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**GENERAL TELECOMMUNICATIONS NOTES**

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  - PROVIDE ROUGH-IN FOR VIDEO SURVEILLANCE CAMERA AT 8'-6" A.F.F.



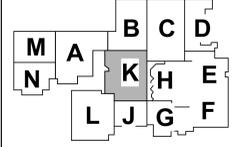
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Project Date 08.29.2023  
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#	Revision	Date
A2	ADDENDUM #2	09.19.2023

3431 N 400 W  
Kokomo IN, 46901



KEY PLAN

NORTHWESTERN SCHOOL CORPORATION



NORTHWESTERN HIGH SCHOOL / MIDDLE SCHOOL

2 - FIRST FLOOR MS TELECOMMUNICATIONS PLAN - UNIT K

2-TF1K1

1 MS FIRST FLOOR TELECOMMUNICATIONS PLAN - UNIT K  
1/8" = 1'-0"

6 5 4 3 2 1

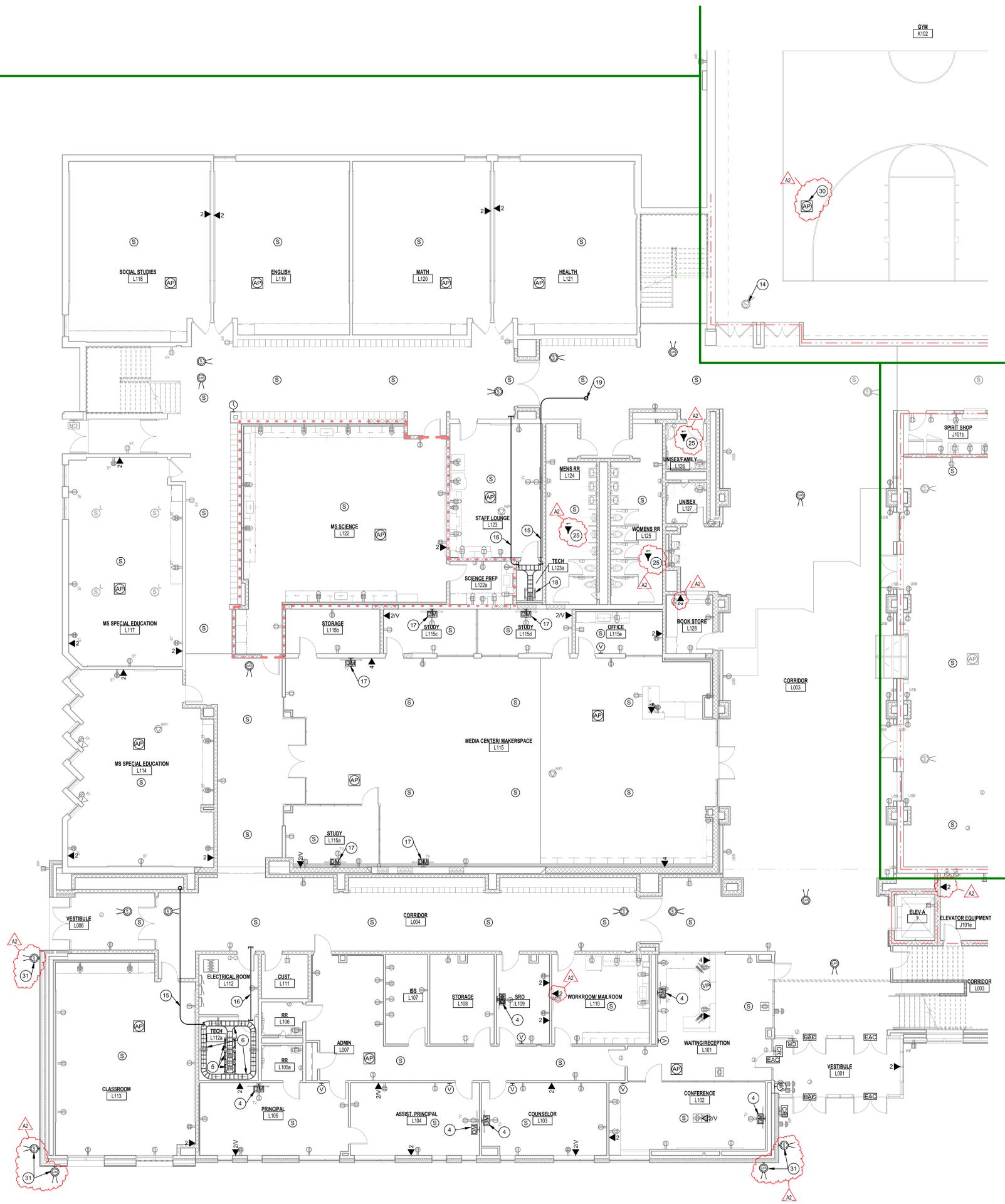
E  
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A

PROJECT: 2022-086.TGR, NORTHWESTERN SCHOOL CORPORATION, 3431 N 400 W, KOKOMO, IN 46901  
DATE: 08.29.2023  
DRAWN BY: J. H. HARRIS  
CHECKED BY: J. H. HARRIS  
SCALE: 1/8" = 1'-0"

6 5 4 3 2 1

E  
D  
C  
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A



GENERAL TELECOMMUNICATIONS NOTES	
#	NOTES
A	REFER TO SHEET T-001 FOR ADDITIONAL INFORMATION.

TELECOMMUNICATIONS PLAN NOTES	
#	NOTES
1	EXISTING TELECOMMUNICATIONS WALL MOUNTED CABINET TO REMAIN.
2	PROVIDE ROUGH-IN FOR WIRELESS ACCESS POINT AT 8'-4" A.F.F.
3	PROVIDE ROUGH-IN FOR INTERCOM SPEAKER HORN AT 8'-4" A.F.F.
4	PROVIDE ROUGH-IN AND POWER FOR MONITOR AT 6'-4" A.F.F.
5	PROVIDE TELECOMMUNICATIONS RACK AS SPECIFIED.
6	PROVIDE CABLE TRAY AS SPECIFIED.
7	PROVIDE (2) 4" SLEEVES FROM CORRIDOR TO TECH (81114)
8	EXISTING FIBER OPTIC CABLING THAT SERVES THE ATHLETIC FIELDS TO REMAIN.
9	PROVIDE CABLING AND CONTACTS FOR DOOR MONITORING AS SPECIFIED.
10	NEW LOCATION FOR EXISTING GYM SOUND SYSTEM RACK AND EQUIPMENT. INSTALL ON WALL ABOVE CABINET.
11	RELOCATED TELECOMMUNICATIONS RACK.
12	PROVIDE ROUGH-IN FOR OWNER PROVIDED TIME CLOCK AT 52" A.F.F.
13	PROVIDE FSR PWB-250-WHT BACK BOX AT 7'-6" A.F.F. PROVIDE (2) 1-1/4" EMT CONDUITS TO ABOVE CEILING.
14	EXISTING VIDEO SURVEILLANCE CAMERA WILL REQUIRE NEW CAT 6 CABLING TO NEW TELECOM ROOM IN MIDDLE SCHOOL.
15	PROVIDE 4" CONDUIT TO SECOND FLOOR. SEE SHEET 2-TF1L2 FOR LOCATION.
16	PROVIDE 4" CONDUIT TO HALLWAY.
17	PROVIDE ROUGH-IN FOR OWNER PROVIDED MONITOR AT 6'-0" A.F.F.
18	EXISTING RACK RELOCATED HERE.
19	STUB UP IN STORAGE (L216) SECOND FLOOR.
20	STUB UP LOCATION OF 4" EMT CONDUIT FROM FIRST FLOOR TELECOM ROOM. ROUTE CONDUIT TO ABOVE HALLWAY CEILING AND TURN CONDUIT INTO HALLWAY.
21	PROVIDE NEW UTP DATA CABLING FOR EXISTING VIDEO SURVEILLANCE CAMERA.
22	PROVIDE NEW UTP DATA CABLING. RE-USE EXISTING PATHWAY.
23	PROVIDE NEW UTP DATA CABLING FOR OWNER PROVIDED WIRELESS ACCESS POINT AT 8' A.F.F.
24	PROVIDE NEW UTP DATA CABLING FOR OWNER PROVIDED VIDEO SURVEILLANCE CAMERA AT 8' A.F.F.
25	PROVIDE DATA CABLING COILED ABOVE CEILING FOR OWNER PROVIDED VAPE DETECTION DEVICES.
26	PROVIDE DATA CABLING FOR EXISTING CAMERAS. QUANTITY AND LOCATION NOT KNOWN AT THE TIME OF THESE DRAWINGS. ASSUME (4) FOR BIDDING PURPOSES.
27	PROVIDE MONITOR ROUGH-IN AND POWER AT 7'-0" A.F.F. FOR RELOCATED EXISTING MONITOR.
28	PROVIDE MIDDLE ATLANTIC CWR-12-22PD WALL MOUNTED CABINET ABOVE SOUND EQUIPMENT RACK. SEE SHEET 2-TF1L2 FOR BACKBONE CABLING INFORMATION. THIS CABINET WILL SERVE THE DATA CABLING FOR UNIT D.
29	PROVIDE NEW DATA CABLING TO EXISTING LOCATIONS. QUANTITY AND LOCATIONS NOT KNOWN. ASSUME (6) FOR BIDDING PURPOSES.
30	EXISTING WIRELESS ACCESS POINT WILL REQUIRE NEW CAT 6 CABLING TO NEW TELECOM ROOM IN MIDDLE SCHOOL.
31	PROVIDE ROUGH-IN FOR VIDEO SURVEILLANCE CAMERA AT 8'-6" A.F.F.

AT THE SECOND FLOOR OF THE EXISTING MIDDLE SCHOOL, PRIOR TO CORE-DRILLING OR ANCHORING INTO THE EXISTING HOLLOW-CORE PRECAST FLOOR PLANKS, ALL EXISTING PRESTRESSED TENDONS IN THE PRECAST PLANKS SHALL BE LOCATED USING GPR, X-RAY, OR SIMILAR MEANS AND DOCUMENTED ON SHOP DRAWINGS WITH ACCURATE PLAN DIMENSIONS TIED TO EXISTING WALLS OR GRIDLINES. AFTER DOCUMENTING THE TENDON LOCATIONS, ALL PENETRATIONS AND ANCHORS MUST BE LAID OUT TO AVOID TENDONS. SUBMIT DOCUMENTATION TO CM/A/E PRIOR TO CORE-DRILLING OR ANCHORING TO PRECAST PLANKS.



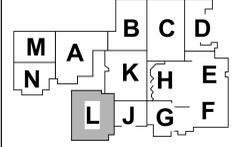
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3431 N 400 W  
Kokomo IN, 46901



KEY PLAN

NORTHWESTERN SCHOOL CORPORATION



NORTHWESTERN HIGH SCHOOL / MIDDLE SCHOOL

2 - FIRST FLOOR MS TELECOMMUNICATIONS PLAN - UNIT L

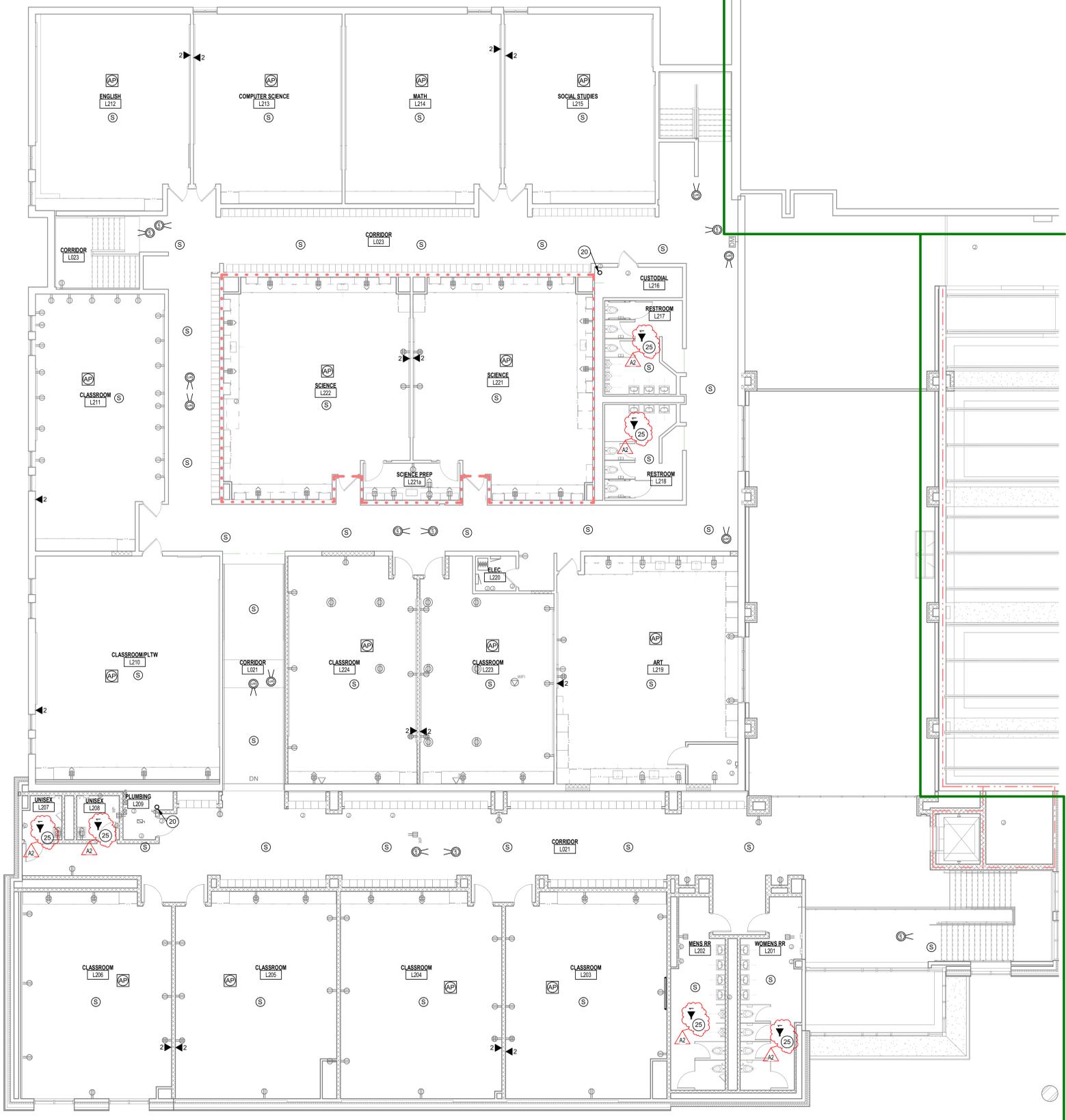
2-TF1L1

1 MS FIRST FLOOR TELECOMMUNICATIONS PLAN - UNIT L  
1/8" = 1'-0"

6 5 4 3 2 1

6 5 4 3 2 1

E D C B A



**GENERAL TELECOMMUNICATIONS NOTES**

- | # | NOTES  |
|---|--|
| A | REFER TO SHEET T-001 FOR ADDITIONAL INFORMATION. |
- 
- | #  | NOTES   |
|----|---|
| 1  | EXISTING TELECOMMUNICATIONS WALL MOUNTED CABINET TO REMAIN.   |
| 2  | PROVIDE ROUGH-IN FOR WIRELESS ACCESS POINT AT 8'-4" A.F.F.  |
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| 4  | PROVIDE ROUGH-IN AND POWER FOR MONITOR AT 6'-4" A.F.F.  |
| 5  | PROVIDE TELECOMMUNICATIONS RACK AS SPECIFIED.   |
| 6  | PROVIDE CABLE TRAY AS SPECIFIED.  |
| 7  | PROVIDE (2) 4" SLEEVES FROM CORRIDOR TO TECH (B111a)  |
| 8  | EXISTING FIBER OPTIC CABLING THAT SERVES THE ATHLETIC FIELDS TO REMAIN.   |
| 9  | PROVIDE CABLING AND CONTACTS FOR DOOR MONITORING AS SPECIFIED.  |
| 10 | NEW LOCATION FOR EXISTING GYM SOUND SYSTEM RACK AND EQUIPMENT. INSTALL ON WALL ABOVE CABINET.   |
| 11 | RELOCATED TELECOMMUNICATIONS RACK.  |
| 12 | PROVIDE ROUGH-IN FOR OWNER PROVIDED TIME CLOCK AT 52" A.F.F.  |
| 13 | PROVIDE FSR PWB-250-WHT BACK BOX AT 7'-6" A.F.F. PROVIDE (2) 1-1/4" EMT CONDUITS TO ABOVE CEILING.  |
| 14 | EXISTING VIDEO SURVEILLANCE CAMERA WILL REQUIRE NEW CAT 6 CABLING TO NEW TELECOM ROOM IN MIDDLE SCHOOL.   |
| 15 | PROVIDE 4" CONDUIT TO SECOND FLOOR. SEE SHEET 2-TF1L2 FOR LOCATION.   |
| 16 | PROVIDE 4" CONDUIT TO HALLWAY.  |
| 17 | PROVIDE ROUGH-IN FOR OWNER PROVIDED MONITOR AT 6'-0" A.F.F.   |
| 18 | EXISTING RACK RELOCATED HERE.   |
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| 21 | PROVIDE NEW UTP DATA CABLING FOR EXISTING VIDEO SURVEILLANCE CAMERA.  |
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| 23 | PROVIDE NEW UTP DATA CABLING FOR OWNER PROVIDED WIRELESS ACCESS POINT AT 8' A.F.F.  |
| 24 | PROVIDE NEW UTP DATA CABLING FOR OWNER PROVIDED VIDEO SURVEILLANCE CAMERA AT 8' A.F.F.  |
| 25 | PROVIDE DATA CABLING COILED ABOVE CEILING FOR OWNER PROVIDED VAPE DETECTION DEVICES.  |
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| 27 | PROVIDE MONITOR ROUGH-IN AND POWER AT 7'-0" A.F.F. FOR RELOCATED EXISTING MONITOR.  |
| 28 | PROVIDE MIDDLE ATLANTIC CWR-12-22PD WALL MOUNTED CABINET ABOVE SOUND EQUIPMENT RACK. SEE SHEET 2-T-502 FOR BACKBONE CABLING INFORMATION. THIS CABINET WILL SERVE THE DATA CABLING FOR UNIT D. |
| 29 | PROVIDE NEW DATA CABLING TO EXISTING LOCATIONS. QUANTITY AND LOCATIONS NOT KNOWN. ASSUME (6) FOR BIDDING PURPOSES.  |
| 30 | EXISTING WIRELESS ACCESS POINT WILL REQUIRE NEW CAT 6 CABLING TO NEW TELECOM ROOM IN MIDDLE SCHOOL.   |
| 31 | PROVIDE ROUGH-IN FOR VIDEO SURVEILLANCE CAMERA AT 8'-6" A.F.F.  |

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AFTER DOCUMENTING THE TENDON LOCATIONS, ALL PENETRATIONS AND ANCHORS MUST BE LAID OUT TO AVOID TENDONS.

SUBMIT DOCUMENTATION TO CMA/E PRIOR TO CORE-DRILLING OR ANCHORING TO PRECAST PLANKS.



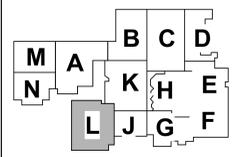
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3431 N 400 W  
 Kokomo IN, 46901



KEY PLAN

NORTHWESTERN SCHOOL CORPORATION



NORTHWESTERN HIGH SCHOOL / MIDDLE SCHOOL

2 - SECOND FLOOR MS TELECOMMUNICATIONS PLAN - UNIT L  
 2-TF1L2

MS SECOND FLOOR TELECOMMUNICATIONS PLAN - UNIT L  
 1/8" = 1'-0"

6 5 4 3 2 1



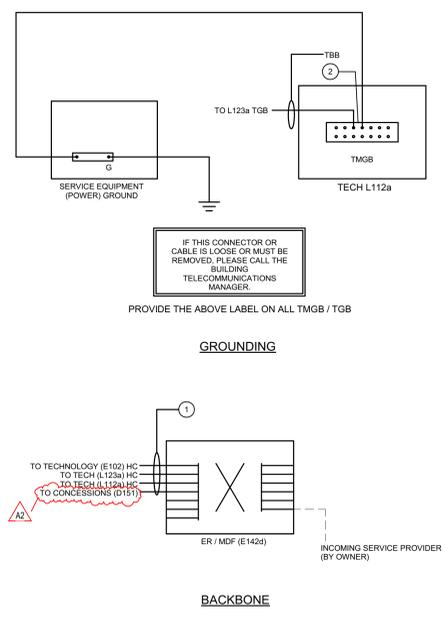
SIZING OF THE TBB	
TBB LENGTH (FEET)	TBB SIZE (AWG)
LESS THAN 13	6
14-20	4
21-26	3
27-33	2
34-41	1
42-52	1/0
53-66	2/0
67-84	3/0
85-105	4/0
106-125	250 kcmil
126-150	300 kcmil
151-175	350 kcmil
176-250	500 kcmil
251-300	600 kcmil
Greater than 301	750 kcmil

ABBREVIATIONS:  
 MC - MAIN CROSS-CONNECT  
 HC - HORIZONTAL CROSS-CONNECT  
 ER - EQUIPMENT ROOM  
 TR - TELECOMMUNICATIONS ROOM  
 TBB - TELECOMMUNICATIONS BONDING BACKBONE  
 TGB - TELECOMMUNICATIONS GROUNDING BUSBAR  
 TMGB - TELECOMMUNICATIONS MAIN GROUNDING BUSBAR  
 BC - TELECOMMUNICATIONS BOUNDING CONDUCTOR

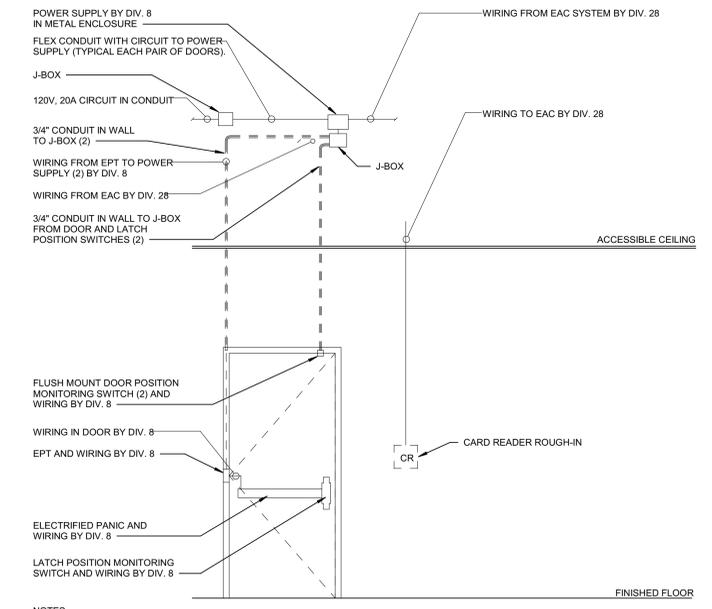
- DRAWING NOTES:**
- PROVIDE TELECOMMUNICATIONS BACKBONE CABLING AND GROUNDING / BONDING TBB BETWEEN THE MC AND EACH HC/IC AS FOLLOWS:
    - 12 STRANDS OF SINGLE-MODE FIBER AS SPECIFIED.
    - TBB SIZED PER STANDARDS
  - WITHIN THE TELECOMMUNICATIONS EQUIPMENT ROOM (ER) AND EACH TELECOMMUNICATIONS ROOM (TR) BOND THE TMGB AND EACH TGB TO THE FOLLOWING:
    - STRUCTURAL STEEL
    - ALL METALLIC MATERIAL
    - CABLE TRAY
    - EQUIPMENT CABINETS AND RACKS

- GENERAL NOTES:**
- ALL WORK INDICATED SHALL BE FULLY COMPLIANT WITH THE FOLLOWING STANDARDS.
    - A. ANSI / TIA / EIA - 568 - B COMMERCIAL BUILDING TELECOMMUNICATIONS STANDARD PART 1, PART 2 AND PART 3 INCLUDING ALL SUB-PARTS AND ADDENDUMS.
    - B. TIA - 569 - B COMMERCIAL BUILDING STANDARD FOR TELECOMMUNICATIONS PATHWAYS AND SPACES INCLUDING ALL SUB-PARTS AND ADDENDUMS.
    - C. ANSI / TIA / EIA - 606 - A ADMINISTRATION STANDARD FOR COMMERCIAL TELECOMMUNICATIONS INFRASTRUCTURE INCLUDING ALL SUB-PARTS AND ADDENDUMS.
    - D. ANSI - J - STD - 607 - A COMMERCIAL BUILDING GROUNDING (EARTHING) AND BONDING REQUIREMENTS FOR TELECOMMUNICATIONS.
  - ROUTE ALL TBB ALONG PRIMARY PATHWAY WITH TELECOMMUNICATIONS CABLING.
  - COORDINATE SPECIFIC EQUIPMENT ELEVATIONS WITH ARCHITECT ENGINEER.

**4 BACKBONE / GROUNDING SCHEMATICS**  
 NOT TO SCALE

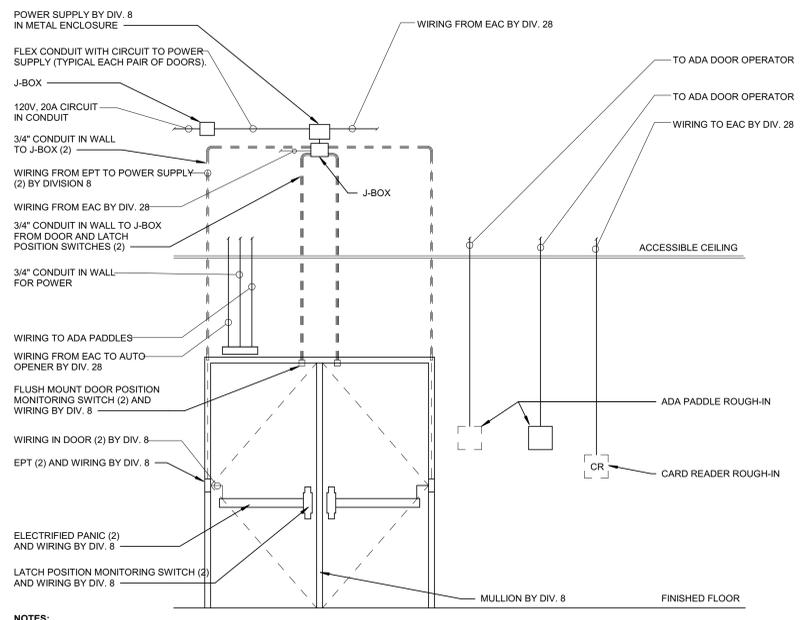


**4 BACKBONE / GROUNDING SCHEMATICS**  
 NOT TO SCALE



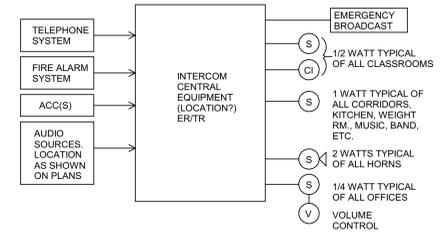
- NOTES:**
- ALL WORK ON THIS DRAWING BY DIVISION 26 UNLESS NOTED OTHERWISE.
  - ROUGH-IN, J-BOX AND POWER SUPPLY LOCATIONS ARE DIAGRAMMATIC ONLY.
  - VIEW IS FROM INTERIOR OF BUILDING.
  - REFER TO DOOR AND HARDWARE SCHEDULE FOR DOOR FRAME MATERIAL AND DOOR HARDWARE.
  - EXPOSED CONDUIT NOT PERMITTED. RUN CONCEALED CONDUIT TO FRAME THEN RUN WIRING INSIDE FRAME SYSTEM.
  - SEE ROUGH-IN DETAILS FOR ABOVE CEILING CONDUIT TERMINATION REQUIREMENTS.
  - DETAIL IS DIAGRAMMATIC. ALL ROUGH-INS MAY NOT BE USED. COORDINATE WITH HARDWARE SCHEDULE FOR EXACT REQUIRED ROUGH-INS.
  - REFER TO A-SERIES FLOOR PLANS FOR ADA OPERATOR LOCATIONS.

**2 TYPICAL DOOR SECURITY SCHEMATIC DIAGRAM**  
 NOT TO SCALE



- NOTES:**
- ALL WORK ON THIS DRAWING BY DIVISION 26 UNLESS OTHERWISE NOTED.
  - ROUGH-IN, J-BOX AND POWER SUPPLY LOCATIONS ARE DIAGRAMMATIC ONLY.
  - VIEW IS FROM INTERIOR OF BUILDING.
  - REFER TO DOOR AND HARDWARE SCHEDULE FOR DOOR FRAME MATERIAL AND DOOR HARDWARE.
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  - SEE ROUGH-IN DETAILS FOR ABOVE CEILING CONDUIT TERMINATION REQUIREMENTS.
  - DETAIL IS DIAGRAMMATIC. ALL ROUGH-INS MAY NOT BE USED. COORDINATE WITH HARDWARE SCHEDULE FOR EXACT REQUIRED ROUGH-INS.
  - REFER TO A-SERIES FLOOR PLANS FOR ADA OPERATOR LOCATIONS.

**3 TYPICAL PAIR OF DOORS SECURITY SCHEMATIC DIAGRAM**  
 NOT TO SCALE



**1 INTERCOM SYSTEM CONNECTIVITY DIAGRAM**  
 NOT TO SCALE



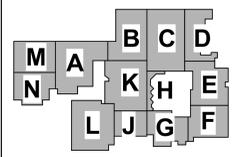
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**KEY PLAN**

**NORTHWESTERN SCHOOL CORPORATION**



**NORTHWESTERN HIGH SCHOOL / MIDDLE SCHOOL**

**TELECOMMUNICATIONS DETAILS**

**2-T-502**

## TELECOMMUNICATIONS DEFINITIONS AND ABBREVIATIONS

### DEFINITIONS

ACCEPTANCE TEST - A TEST OR SET OF TESTS PERFORMED TO DEMONSTRATE SATISFACTORY COMPLETION OF A PREDETERMINED TASK OR GROUP OF TASKS ON WHICH ACCEPTANCE IS DEPENDANT.

ACCESS POINT (AP) - THE CENTRAL OR CONTROL POINT IN A WIRELESS CELL THAT ACTS AS A LINK FOR TRAFFIC TO AND FROM WIRELESS DEVICES IN THE CELL. THE AP ALSO CONNECTS WIRELESS DEVICES TO THE WIRED PORTION OF THE NETWORK.

ACTIVE CIRCUIT - A VOICE/DATA/VIDEO CHANNEL CONNECTED TO A CIRCUIT.

ACTIVE EQUIPMENT - ENERGIZED EQUIPMENT USED FOR RECEIVING OR TRANSMITTING ANALOG OR DIGITAL SIGNALS.

ADMINISTRATION - THE METHODOLOGY DEFINING THE DOCUMENTATION REQUIREMENTS OF A CABLING SYSTEM AND ITS CONTAINMENT, THE LABELING OF FUNCTIONAL ELEMENTS AND THE PROCESS BY WHICH MOVES, ADDS, AND CHANGES ARE RECORDED. (ISO)

ALIEN CROSSTALK - UNWANTED TRANSFER OF SIGNAL FROM ONE OR MORE CIRCUITS IN A GIVEN CABLE TO OTHER CIRCUITS IN ANOTHER CABLE.

ATTENUATION - THE DECREASE IN MAGNITUDE OF TRANSMISSION SIGNAL STRENGTH BETWEEN POINTS. EXPRESSED IN DB AS THE RATIO OF OUTPUT TO INPUT SIGNAL LEVEL.

ATTENUATION-TO-CROSSTALK RATIO (ACR) - THE RATIO OBTAINED BY SUBTRACTING INSERTION LOSS (ATTENUATION [DB]) FROM NEAR-END CROSSTALK (DB). ACR IS NORMALLY STATED AT A GIVEN FREQUENCY. SEE SIGNAL-TO-NOISE RATIO.

BACKBONE - A FACILITY (E.G., PATHWAY, CABLE, OR CONDUCTORS) BETWEEN ANY OF THE FOLLOWING SPACES: TELECOMMUNICATIONS ENCLOSURES, TELECOMMUNICATIONS ROOMS, EQUIPMENT ROOMS, AND ENTRANCE FACILITIES.

BACKBONE BONDING CONDUCTOR - A COPPER CONDUCTOR EXTENDING FROM THE TELECOMMUNICATIONS MAIN GROUNDING BUSBAR TO THE FARTHEST FLOOR TELECOMMUNICATIONS GROUNDING BUSBAR. (TIA)

BALANCED TWISTED-PAIR CABLE - A MULTI-CONDUCTOR CABLE COMPRISING TWO OR MORE COPPER CONDUCTORS TWISTED IN A MANNER DESIGNED TO CANCEL ELECTRICAL INTERFERENCE.

BANDWIDTH - A MEASURE OF THE RANGE OF FREQUENCIES ASSOCIATED WITH A GIVEN SIGNAL OR COMMUNICATIONS CHANNEL. TYPICALLY EXPRESSED IN HERTZ. IT IS USED TO DENOTE THE POTENTIAL TRANSMISSION CAPACITY OF THE MEDIUM, DEVICE, OR SYSTEM.

BEND RADIUS - 1. MAXIMUM RADIUS THAT A CABLE CAN BE BENT TO AVOID PHYSICAL OR ELECTRICAL DAMAGE OR CAUSE ADVERSE TRANSMISSION PERFORMANCE. 2. RADIUS OF CURVATURE THAT A MEDIA CAN BEND WITHOUT SIGNAL DEGRADATION.

BICSI - AN INTERNATIONAL TELECOMMUNICATIONS ASSOCIATION.

BONDING - THE PERMANENT JOINING OF METALLIC PARTS TO FORM AN ELECTRICALLY CONDUCTIVE PATH THAT WILL ENSURE ELECTRICAL CONTINUITY AND THE CAPACITY TO CONDUCT SAFELY ANY CURRENT LIKELY TO BE IMPOSED. (TIA)

BONDING CONDUCTOR (BC) - A CONDUCTOR USED SPECIFICALLY FOR THE PURPOSE OF BONDING.

BONDING CONDUCTOR FOR TELECOMMUNICATIONS (BC-T) - A CONDUCTOR THAT INTERCONNECTS THE BUILDINGS SERVICE EQUIPMENT (POWER) GROUND TO THE TELECOMMUNICATIONS GROUNDING SYSTEM.

BORING - A METHOD TO DISPLACE EARTH UNDER THE GROUND WITHOUT BREAKING THE GROUND SURFACE (TRENCHING) OR CUTTING GROUND SURFACES (E.G., SIDEWALKS, DRIVEWAYS, PARKING LOTS, AND ROAD SURFACES). NORMALLY, AS DIRT IS DISPLACED OR REMOVED, CONDUIT IS INSERTED.

CABLING SYSTEM - A SPECIFIC SYSTEM OF TELECOMMUNICATIONS CABLES, EQUIPMENT/PATCH CORDS, CONNECTING HARDWARE, AND OTHER COMPONENTS THAT IS SUPPLIED AS A SINGLE ENTITY.

CARD READER - A SECURITY SYSTEM DEVICE THAT READS CODED CARDS.

CATEGORY - A RATING THAT DEFINES THE PERFORMANCE OF CABLING COMPONENTS AND SYSTEMS.

CELL - THE FIXED AREA IN WHICH A WIRELESS DEVICES OPERATES.

COMMUNICATIONS - SEE TELECOMMUNICATIONS.

CROSS-CONNECT - A FACILITY ENABLING THE TERMINATION OF CABLE ELEMENTS AND THEIR INTERCONNECTION OR CROSS-CONNECTION. (TIA)

CROSSTALK - UNWANTED TRANSFER OF SIGNAL FROM ONE OR MORE CIRCUITS TO OTHER CIRCUITS.

CUTOVER - THE PROCESS OF SWITCHING FROM OLD NETWORK COMPONENTS TO NEW NETWORK COMPONENTS.

DAISY-CHAIN TOPOLOGY - DEVICES ARE CONNECTED IN SERIES, ONE AFTER THE OTHER, AND THE TRANSMITTED SIGNALS GO TO THE FIRST DEVICES, THEN THE SECOND, ETC.

DATA - ELECTRONICALLY ENCODED INFORMATION. (TIA)

DATA COMMUNICATION - THE TRANSMISSION AND RECEPTION OF ELECTRONICALLY CODED INFORMATION.

DATA NETWORK - AN INTERCONNECTED SYSTEM OF COMPUTERS, PERIPHERALS, AND SOFTWARE OVER WHICH COMMANDS, FILES, AND MESSAGES ARE SENT AND RECEIVED.

DECIBEL (DB) - A LOGARITHMIC UNIT FOR MEASURING THE RELATIVE POWER OR STRENGTH OF A SIGNAL.

DELAY SKEW - THE DIFFERENCE IN PROPAGATION DELAY BETWEEN ANY TWO PAIRS WITHIN THE SAME CABLE SHEATH. (TIA)

DEMARICATION POINT (DP) - 1. A POINT WHERE THE OPERATIONAL CONTROL OR OWNERSHIP CHANGES. (TIA) 2. THE POINT OF INTERFACE BETWEEN SERVICE PROVIDERS AND CUSTOMER FACILITIES.

DIELECTRIC - 1. THE NONCONDUCTIVE PROPERTIES OF AN INSULATING MATERIAL THAT RESISTS THE PASSAGE OF ELECTRIC CURRENT. THE INSULATION SURROUNDING A COPPER CONDUCTOR IS KNOWN AS A DIELECTRIC. 2. A MATERIAL THAT IS NONMETALLIC AND NONCONDUCTIVE. 3. A NONCONDUCTOR OF DIRECT ELECTRIC CURRENT.

DIRECT-BURIED CABLE - A TELECOMMUNICATIONS CABLE DESIGNED TO BE INSTALLED UNDER THE SURFACE OF THE EARTH, IN DIRECT CONTACT WITH THE SOIL. (TIA)

ELECTROMAGNETIC INTERFERENCE (EMI) - RADIATED OR CONDUCTED ELECTROMAGNETIC ENERGY THAT HAS AN UNDESIRABLE EFFECT ON ELECTRONIC EQUIPMENT OR SIGNAL TRANSMISSIONS. (TIA)

EQUAL LEVEL FAR-END CROSSTALK (ELFEXT) - CROSSTALK MEASURED AT THE OPPOSITE END FROM WHICH THE DISTURBING SIGNAL IS TRANSMITTED, NORMALIZED BY THE ATTENUATION CONTRIBUTION OF THE CABLE OR CABLING.

FAR-END CROSSTALK (FEXT) LOSS - A MEASURE OF THE UNWANTED SIGNAL COUPLING FROM A TRANSMITTER AT THE NEAR END INTO ANOTHER PAIR MEASURED AT THE FAR END, AND RELATIVE TO THE TRANSMITTED SIGNAL LEVEL. ALSO CALLED INPUT/OUTPUT FAR END CROSSTALK LOSS. (TIA)

FAULT TOLERANCE - THE ABILITY OF A SYSTEM TO CONTINUE OPERATIONS AFTER THE FAILURE OF ONE OR MORE COMPONENTS.

FIBER OPTICS - A COMMUNICATION SYSTEM THAT USES OPTICAL FIBER AS ITS MEDIUM.

GIGABIT PER SECOND (GB/S) - A TRANSMISSION RATE DENOTING ONE BILLION BITS PER SECOND.

GIGAHERTZ (GHZ) - A UNIT OF FREQUENCY DENOTING ONE BILLION CYCLES PER SECOND (HERTZ).

HERTZ (HZ) - 1. A UNIT OF MEASURE USED TO EXPRESS THE RANGE OF FREQUENCIES ASSOCIATED WITH A GIVEN SIGNAL OR COMMUNICATIONS CHANNEL. THIS RANGE IS ALSO CALLED BANDWIDTH. 2. A UNIT OF FREQUENCY EQUAL TO ONE CYCLE PER SECOND.

HOME RUN - A PATHWAY OR CABLE BETWEEN TWO LOCATIONS WITHOUT A SPLICE OR INTERMEDIATE TERMINATIONS POINTS IN BETWEEN.

HORIZONTAL CABLE - 1. A PERMANENT ELEMENT OF THE HORIZONTAL CABLING THAT CONNECTS THE TELECOMMUNICATIONS OUTLET/CONNECTOR AT THE WORK AREA AND THE FIRST PIECE OF CONNECTING HARDWARE IN THE HORIZONTAL OR MAIN CROSS-CONNECT. 2. FOUR PAIR 24 AWG UNSHIELDED TWISTED PAIR (UTP).

HORIZONTAL CROSS-CONNECT - A GROUP OF CONNECTORS THAT ALLOWS EQUIPMENT AND BACKBONE CABLING TO BE CROSS-CONNECTED.

INNERDUCT - A NONMETALLIC RACEWAY, USUALLY CIRCULAR, PLACED WITHIN A LARGER PATHWAY. (TIA)

INTERMEDIATE CROSS-CONNECT (IC) - THE CONNECTION POINT BETWEEN A BACKBONE CABLE THAT EXTENDS FROM THE MAIN CROSS-CONNECT AND THE BACKBONE CABLE FROM THE HORIZONTAL CROSS-CONNECT.

LATENCY - THE TIME IT TAKES FOR A SIGNAL TO PASS THROUGH A DEVICE OR NETWORK.

LOW-VOLTAGE CABLING/CABLING SYSTEM - TELECOMMUNICATIONS SIGNALING (INCLUDES BUILDING AUTOMATION SIGNALING) VOLTAGE LEVELS ARE TYPICALLY POWER-LIMITED WHEN COMPARED TO ELECTRICAL POWER CIRCUITS THAT CAN VARY FROM 100 VOLTS ALTERNATING CURRENT (AC) TO 240 VOLTS AC IN COMMERCIAL BUILDINGS. CIRCUITS TYPICALLY USE AN INHERENTLY LIMITED POWER SOURCE WITHOUT OVER-CURRENT PROTECTION OR A NONINHERENTLY LIMITED POWER SOURCE WHERE OVERCURRENT PROTECTION IS REQUIRED. SINCE TELECOMMUNICATIONS CABLING SYSTEMS ARE NOT USED TO DISTRIBUTE ELECTRICAL POWER, THE SIGNALING THAT OCCURS ON THESE COPPER-BASED SYSTEMS IS GENERALLY DESCRIBED AS LOW VOLTAGE.

MAIN CROSS-CONNECT (MC) - THE CROSS-CONNECT NORMALLY LOCATED IN THE (MAIN) TELECOMMUNICATIONS EQUIPMENT ROOM (ER) FOR CROSS-CONNECTION AND INTERCONNECTION OF ENTRANCE CABLES, FIRST-LEVEL BACKBONE CABLES, AND EQUIPMENT CABLES.

NEAR-END CROSSTALK (NEXT) LOSS - 1. THE UNWANTED SIGNAL COUPLING BETWEEN PAIRS. IT IS MEASURED AT THE END OF A CABLE NEAREST THE POINT OF TRANSMISSION. CONTRAST WITH FAR-END CROSSTALK. 2. THE SIGNAL TRANSFER BETWEEN CIRCUITS AT THE SAME (NEAR) END OF THE CABLE.

NETWORK - A GROUP OF THREE OR MORE NODES THAT CAN COMMUNICATE WITH EACH OTHER, EITHER DIRECTLY THROUGH CABLING OR INDIRECTLY THROUGH REPEATERS TO SEPARATE CABLING.

OUTSIDE PLANT (OSP) - TELECOMMUNICATIONS INFRASTRUCTURE DESIGNED FOR INSTALLATION EXTERIOR TO BUILDINGS.

PAIR - TWO INSULATED WIRES TWISTED AROUND EACH OTHER.

PAIR TWIST - THE UNIFORM TWIST OF AN INSULATED COPPER PAIR THAT HELPS TO REDUCE THE NEGATIVE EFFECTS OF CAPACITANCE IMBALANCE AND ELECTROMAGNETIC INDUCTION.

PATCH CORD - A LENGTH OF CABLE WITH A PLUG ON ONE OR BOTH ENDS.

PATCH PANEL - A CONNECTING HARDWARE SYSTEM THAT FACILITATES CABLE TERMINATION AND CABLING ADMINISTRATION USING PATCH CORDS.

PATHWAY - 1. A SEQUENCE OF CONNECTIONS THAT PROVIDES THE CONNECTIVITY BETWEEN DEVICES ON A NETWORK OR BETWEEN NETWORKS ON AN INTERNETWORK. 2. THE VERTICAL AND HORIZONTAL ROUTE OF THE TELECOMMUNICATIONS CABLE. 3. A FACILITY FOR THE PLACEMENT OF TELECOMMUNICATIONS CABLE. (TIA) 3. A FACILITY FOR THE PLACEMENT OF TELECOMMUNICATIONS CABLE. (TIA)

POWER SUM - USED TO SPECIFY A COMBINATION CROSSTALK FROM MULTIPLE SOURCES.

POWER SUM ATTENUATION-TO-CROSSTALK RATIO - A RATIO IN DB, DETERMINED BY SUBTRACTING THE INSERTION LOSS FROM TH EPOWER SUM NEAR-END CROSSTALK LOSS. (TIA)

POWER SUM EQUAL LEVEL FAR-END CROSSTALK (PSELFEXT) - A COMPUTATION OF THE UNWANTED SIGNAL COUPLING FROM MULTIPLE TRANSMITTERS AT THE NEAR-END INTO A PAIR MEASURED AT THE FAR-END, AND NORMALIZED TO THE RECEIVED SIGNAL LEVEL. (TIA)

POWER SUM NEAR-END CROSSTALK (PSNEXT) LOSS - A COMPUTATION OF THE UNWANTED SIGNAL COUPLING FROM MULTIPLE TRANSMITTERS AT THE NEAR-END INTO A PAIR MEASURED AT THE NEAR-END. (TIA)

PULL TENSION - THE PULLING FORCE THAT CAN BE APPLIED TO A CABLE. (TIA)

PUNCH DOWN - THE PROCESS OF TERMINATING COPPER CABLE CONDUCTORS ON INSULATION DISPLACEMENT CONNECTION TERMINALS BY USE OF A HANDHELD TOOL.

QUEUEING - A TECHNIQUE THAT REDUCES TRANSMISSION DELAYS BY CLASSIFYING AND SORTING DATA PRIOR TO PROCESSING BY THE TRANSMITTING DEVICE.

RACEWAY - ANY ENCLOSED CHANNEL DESIGNED FOR HOLDING WIRES OR CABLES. (TIA)

RADIO FREQUENCY INTERFERENCE - ELECTROMAGNETIC INTERFERENCE WITHIN THE FREQUENCY BAND FOR RADIO TRANSMISSION.

RETURN LOSS - A RATIO, EXPRESSED IN DB, OF THE POWER OF THE OUTGOING SIGNAL TO THE POWER OF THE REFLECTED SIGNAL. (TIA)

REVERSED PAIR - A CONDITION IN WHICH THE CONDUCTORS IN A PAIR ARE TERMINATED IN THE WRONG SEQUENCE.

### DEFINITIONS (CONTINUED)

RIBBON CABLE - AN ASSEMBLY OF CONDUCTORS LAID SIDE BY SIDE IN A GEOMETRIC PLANE AND FASTENED TOGETHER.

SCALABILITY - THE ABILITY OF A NETWORK TO GROW WITHOUT DEGRADATION OF QUALITY.

SERVICE LOOP - A SURPLUS OF CABLE AT THE POINT OF TERMINATION TO FACILITATE POTENTIAL FUTURE CHANGES.

SHIELDED ENCLOSURE CABINET - A METAL ELECTRONICS CABINET CONSTRUCTED WITH WELDED SEAMS AND CONDUCTIVE GASKETS ON THE DOORS THAT SERVE AS AN EFFECTIVE SHIELD AGAINST ELECTROMAGNETIC RADIATION.

SPLIT PAIR - TRANSPOSITION OF TWO CONDUCTORS OF SEPARATE PAIRS.

STAR TOPOLOGY - A NETWORK TOPOLOGY IN WHICH SERVICES ARE DISTRIBUTED FROM A CENTRAL POINT.

STRUCTURED CABLING SYSTEM - THE COMPLETE COLLECTIVE CONFIGURATION OF TELECOMMUNICATIONS CABLING AND ASSOCIATED HARDWARE AT A GIVEN LOCATION.

SWEEP - BEND THAT HAS A GENTLE ARC RATHER THAN A SHARP BEND.

TELECOMMUNICATIONS - ANY TRANSMISSION, EMISSION, AND RECEPTION OF SIGNS, SIGNALS, WRITINGS, IMAGES, AND SOUNDS. THAT IS, INFORMATION OF ANY NATURE BY CABLE, RADIO, OPTICAL, OR OTHER ELECTROMAGNETIC SYSTEMS. (TIA)

TELECOMMUNICATIONS BONDING BACKBONE - A CONDUCTOR THAT INTERCONNECTS THE TELECOMMUNICATIONS MAIN GROUNDING BUSBAR (TMGB) TO THE TELECOMMUNICATIONS GROUNDING BUSBAR (TGB). (TIA)

TELECOMMUNICATIONS EQUIPMENT ROOM - A CONDUCTOR INSTALLED FROM EACH PIECE OF EQUIPMENT TO THE TELECOMMUNICATIONS GROUNDING BUSBAR OR TELECOMMUNICATIONS MAIN GROUNDING BUSBAR.

TELECOMMUNICATIONS CABINET - AN ENCLOSURE USED FOR TERMINATING TELECOMMUNICATIONS CABLES, WIRING, AND CONNECTION DEVICES WITH A HINGED COVER, USUALLY FLUSH-MOUNTED IN THE WALL. (TIA)

TELECOMMUNICATIONS ENCLOSURE - A CASE OR HOUSING FOR TELECOMMUNICATIONS EQUIPMENT, CABLE TERMINATIONS, AND CROSS-CONNECT CABLING. (TIA)

TELECOMMUNICATIONS ENTRANCE FACILITY - AN ENTRANCE TO A BUILDING FOR BOTH PUBLIC AND PRIVATE NETWORK SERVICE CABLES (INCLUDING WIRELESS) INCLUDING THE ENTRANCE POINT AT THE BUILDING WALL AND CONTINUING TO THE ENTRANCE ROOM OR SPACE. (TIA) 2. A FACILITY THAT PROVIDES ALL NECESSARY MECHANICAL AND ELECTRICAL SERVICES, THAT COMPLIES WITH ALL RELEVANT REGULATIONS, FOR THE ENTRY OF TELECOMMUNICATIONS CABLES INTO A BUILDING. (ISO)

TELECOMMUNICATIONS EQUIPMENT ROOM - AN ENVIRONMENTALLY CONTROLLED CENTRALIZED SPACE FOR TELECOMMUNICATIONS EQUIPMENT THAT USUALLY HOUSES A MAIN OR INTERMEDIATE CROSS-CONNECT. (TIA)

TELECOMMUNICATIONS GROUNDING BUSBAR - A COMMON POINT OF CONNECTION FOR TELECOMMUNICATIONS SYSTEM AND EQUIPMENT BONDING TO GROUND, AND LOCATED IN THE TELECOMMUNICATIONS ROOM OR EQUIPMENT ROOM.

TELECOMMUNICATIONS INFRASTRUCTURE - A COLLECTION OF THOSE TELECOMMUNICATIONS COMPONENTS, EXCLUDING EQUIPMENT, THAT TOGETHER PROVIDE THE BASIC SUPPORT FOR THE DISTRIBUTION OF ALL INFORMATION WITHIN A BUILDING OR CAMPUS.

TELECOMMUNICATIONS MAINTENANCE HOLE - A VAULT LOCATED IN THE GROUND OR EARTH AS PART OF A UNDERGROUND DUCT SYSTEM AND USED TO FACILITY PLACING, CONNECTORIZATION, AND MAINTENANCE OF CABLES AS WELL AS THE PLACING OF ASSOCIATED EQUIPMENT, IN WHICH IT IS EXPECTED THAT A PERSON WILL ENTER TO PERFORM WORK. (TIA)

TELECOMMUNICATIONS MEDIA - WIRE, CABLE, OR CONDUCTORS USED FOR TELECOMMUNICATIONS. (TIA)

TELECOMMUNICATIONS OUTLET/CONNECTOR - A CONNECTING DEVICE IN THE WORK AREA ON WHICH HORIZONTAL CABLE OR OUTLET CABLE TERMINATES.

TELECOMMUNICATION ROOM - AN ENCLOSED ARCHITECTURAL SPACE FOR HOUSING TELECOMMUNICATIONS EQUIPMENT, CABLE TERMINATIONS, AND CROSS-CONNECT CABLING. (TIA)

TELECOMMUNICATIONS SPACE - AN AREA USED FOR HOUSING THE INSTALLATION AND TERMINATION OF TELECOMMUNICATIONS EQUIPMENT AND CABLE (E.G., COMMON EQUIPMENT ROOMS, EQUIPMENT ROOMS, COMMON TELECOMMUNICATIONS ROOMS, TELECOMMUNICATIONS ROOMS, WORK AREAS, MAINTENANCE HOLES/HANDHOLES). (TIA)

TRANPOSED PAIRS - WHEN TWO PAIRS OF CONDUCTORS ARE TERMINATED IN EACH OTHER'S LOCATION.

UNDERGROUND - REFERS TO CONDUIT AND MAINTENANCE HOLES SYSTEMS INSTALLED BELOW THE SURFACE OF THE GROUND.

UNDERGROUND CABLE - A TELECOMMUNICATIONS CABLE DESIGNED TO BE INSTALLED UNDER THE SURFACE OF THE EARTH IN A TROUGH OR DUCT THAT ISOLATES THE CABLE FROM DIRECT CONTACT WITH THE SOIL. (TIA)

UTILITY COLUMN - AN ENCLOSED PATHWAY EXTENDING FROM THE CEILING TO FURNITURE OR TO THE FLOOR THAT FORMS A PATHWAY FOR ELECTRICAL WIRING, TELECOMMUNICATIONS CABLE, OR BOTH. (TIA)

WORK AREA (WORK STATION) - A BUILDING SPACE WHERE THE OCCUPANTS INTERACT WITH TELECOMMUNICATIONS TERMINAL EQUIPMENT. (TIA)

WORK AREA CABLE (CORD) - A CABLE CONNECTING THE TELECOMMUNICATIONS OUTLET/CONNECTOR TO THE TERMINAL EQUIPMENT.

WORK AREA OUTLET - A CONNECTING DEVICE FOR TERMINATION OF HORIZONTAL MEDIA.

### ABBREVIATIONS

8P8C - EIGHT PIN, EIGHT CONNECTOR UTP CABLE TERMINATION

ACR - ATTENUATION-TO-CROSSTALK RATIO

ANSI - AMERICAN NATIONAL STANDARDS INSTITUTE

AWG - AMERICAN WIRE GAUGE

BAS - BUILDING AUTOMATION SYSTEM

BC - BONDING CONDUCTOR

BC-T - BONDING CONDUCTOR FOR TELECOMMUNICATIONS

BICSI - BUILDING INDUSTRY CONSULTING SERVICE INTERNATIONAL

CO-OSP - CUSTOMER-OWNED OUTSIDE PLANT

DB - DECIBEL

DEMARC - DEMARICATION POINT

DPS - DOOR POSITION SWITCH

EAC - ELECTRONIC ACCESS CONTROL

EF - ENTRANCE FACILITY

EIA - ELECTRONIC INDUSTRIES ALLIANCE

EMI - ELECTROMAGNETIC INTERFERENCE

ER - TELECOMMUNICATIONS EQUIPMENT ROOM

FCC - FEDERAL COMMUNICATIONS COMMISSION

GB - GIGABIT

GHZ - GIGAHERTZ

HC - HORIZONTAL CROSS-CONNECT

HZ - HERTZ

IBC - INTERCONNECTING BONDING CONDUCTOR

IC - INTERMEDIATE CROSS-CONNECT

IDC - INSULATION DISPLACEMENT CONNECTION (OR)

IEEE - INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS, INC.

KB - KILOBIT

KB - KILOBYTE

KHZ - KILOHERTZ

KM - KILOMETER

LEC - LOCAL EXCHANGE CARRIER

LAN - LOCAL AREA NETWORK

LASER - LIGHT AMPLIFICATION BY STIMULATED EMISSION OF RADIATION

LED - LIGHT-EMITTING DIODE

MB - MEGABIT

MC - MAIN CROSS-CONNECT

MH - TELECOMMUNICATIONS MAINTENANCE HOLE

MHZ - MEGAHERTZ

MUTO - MULTI-USER TELECOMMUNICATIONS OUTLET

MUTOA - MULTI-USER TELECOMMUNICATIONS OUTLET ASSEMBLY

NOS - NETWORK OPERATING SYSTEM

NEC - NATIONAL ELECTRIC CODE

NFPA - NATIONAL FIRE PROTECTION ASSOCIATION

NTS - NETWORK TRANSPORT SYSTEMS

OS - OPERATING SYSTEM

PSACR - POWER SUM ATTENUATION TO CROSSTALK RATIO

PSELFEXT - POWER SUM EQUAL LEVEL FAR-END CROSSTALK

QOS - QUALITY-OF-SERVICE

RCDD - REGISTERED COMMUNICATIONS DISTRIBUTION DESIGNER

RFI - RADIO FREQUENCY INTERFERENCE

RFID - RADIO FREQUENCY IDENTIFICATION

RGB - RED, GREEN, BLUE

SOMET - SYNCHRONOUS OPTICAL NETWORK

SPOOL - SIMULTANEOUS PERIPHERAL OPERATION ONLINE

TBB - TELECOMMUNICATIONS BONDING BACKBONE

TDMM - TELECOMMUNICATIONS DISTRIBUTION METHODS MANUAL

TGB - TELECOMMUNICATIONS GROUNDING BUSBAR

TIA - TELECOMMUNICATIONS INDUSTRY ASSOCIATION

TMGB - TELECOMMUNICATIONS MAIN GROUNDING BUSBAR

TR - TELECOMMUNICATIONS ROOM

UTP - UNSHIELDED TWISTED PAIR

VCSEL - VERTICAL CAVITY SURFACE EMITTING LASER

VGA - VIDEO GRAPHICS ARRAY

VOD - VIDEO-ON-DEMAND

VOIP - VOICE OVER INTERNET PROTOCOL

WAP - WIRELESS ACCESS POINT

WLAN - WIRELESS LOCAL AREA NETWORK

X - CROSS-CONNECT

## TELECOMMUNICATIONS SYS.

		SCOPE OF WORK	OUTLET INFORMATION	MOUNTING HEIGHT	NOTES
◀	TELECOMMUNICATIONS OUTLET	ROUGH-IN CABLING 8P8C CONNECTOR(S)	(1) 1" CONDUIT, (1) 2-GANG BOX	+18" A.F.F. WALL MTD.	PROVIDE SINGLE REDUCER
◀	TELECOMMUNICATIONS COUNTERTOP OUTLET	ROUGH-IN CABLING 8P8C CONNECTOR(S)	(1) 1" CONDUIT, (1) 2-GANG BOX	2" ABV. BACKSPLASH TO BOTTOM	PROVIDE SINGLE REDUCER ALIGN WITH POWER RECEPTACLE
◀	TELECOMMUNICATIONS AUDIO / VIDEO OUTLET	ROUGH-IN CABLING 8P8C CONNECTOR(S)	(2) 1-1/4" CONDUITS, (1) 2-GANG BOX	+18" A.F.F. WALL MTD.	--
AP	WIRELESS ACCESS POINT OUTLET (CEILING MOUNTED)	CABLING (UTP)	--	CEILING MOUNTED SEE T-SERIES DRAWINGS FOR LOCATIONS	--
≡	CABLE TRAY	CABLE TRAY AND ASSOCIATED HARDWARE	--	+96" A.F.F. TO BOTTOM	REFER TO SPECIFICATIONS FOR FURTHER INFORMATION
☎	TELECOMMUNICATIONS CABINET	CABINET (AS SPECIFIED)	--	FLOOR MOUNTED	--
☎	TELECOMMUNICATIONS RACK	RACK (AS SPECIFIED)	--	FLOOR MOUNTED	--

## SOUND SYSTEMS

		SCOPE OF WORK	ROUGH-IN INFORMATION	MOUNTING HEIGHT	NOTES
Ⓢ	INTERCOM SPEAKER (CEILING MOUNTED)	CABLING SPEAKER	--	CEILING MOUNTED SEE T-SERIES DRAWINGS FOR LOCATIONS	--
Ⓢ	INTERCOM SPEAKER (WALL MOUNTED)	ROUGH-IN CABLING SPEAKER	(1) 1" CONDUIT, (1) SINGLE GANG BOX	+96" A.F.F. WALL MTD.	--
Ⓢx	INTERCOM SPEAKER HORN (CEILING MOUNTED)	CABLING SPEAKER	--	CEILING MOUNTED SEE T-SERIES DRAWINGS	--
Ⓢ	INTERCOM SPEAKER HORN (WALL MOUNTED)	ROUGH-IN CABLING SPEAKER	(1) 1" CONDUIT, (1) SINGLE GANG BOX	+96" A.F.F. WALL MTD.	--
Ⓜ	MICROPHONE OUTLET (# INDICATES JACK QTY.)	ROUGH-IN CABLING MIC CONNECTOR	(1) 1" CONDUIT, (1) SINGLE GANG BOX	+18" A.F.F. WALL MTD.	--
V	VOLUME CONTROL	ROUGH-IN CABLING, VOLUME CONTROL	(1) 1" CONDUIT, (1) SINGLE GANG BOX	+46" A.F.F. WALL MTD.	--
Ⓢ	LOCAL SOUND REINFORCEMENT SPEAKER (CEILING MOUNTED)	CABLING SPEAKER	--	CEILING MOUNTED SEE RCP	--
Ⓢ	LOCAL SOUND REINFORCEMENT SPEAKER (WALL MOUNTED)	ROUGH-IN CABLING SPEAKER	(1) 1" CONDUIT, (1) SINGLE GANG BOX	+96" A.F.F. WALL MTD.	--
SR	SOUND SYSTEM CENTRAL EQUIPMENT CABINET	ROUGH-IN CABLING CABINET	--	WALL MOUNTED	--
Ⓢ	CALL-IN BUTTON	ROUGH-IN CABLING BUTTON DEVICE	(1) 1" CONDUIT, (1) SINGLE GANG BOX	+46" A.F.F. WALL MTD.	--
Ⓢ	BUTTON	ROUGH-IN CABLING BUTTON DEVICE	(1) 1" CONDUIT, (1) SINGLE GANG BOX	+46" A.F.F. WALL MTD.	--
Ⓢ	WALL MOUNTED CLOCK	ROUGH-IN CABLING CLOCK	(1) 1" CONDUIT, (1) SINGLE GANG BOX	+96" A.F.F. WALL MTD.	--
Ⓢ	RINGER / BELL DEVICE	ROUGH-IN CABLING BELL DEVICE	(1) 1" CONDUIT, (1) SINGLE GANG BOX	+96" A.F.F. WALL MTD.	--

## SECURITY SYSTEMS

		SCOPE OF WORK	OUTLET INFORMATION	MOUNTING HEIGHT	NOTES
Ⓢ	SURVEILLANCE CAMERA (CEILING MOUNTED)	UTP CABLING, CAMERA	--	CEILING MOUNTED SEE T-SERIES DRAWINGS FOR LOCATIONS	--
Ⓢ	SURVEILLANCE CAMERA (WALL MOUNTED)	ROUGH-IN, UTP CABLING, CAMERA	(1) 1" CONDUIT, (1) SINGLE GANG BOX	+96" A.F.F. WALL MTD.	--
CR	CARD READER	ROUGH-IN CABLING CARD READER	(1) 1" CONDUIT, (1) SINGLE GANG BOX	+46	





**GENERAL TELECOMMUNICATIONS NOTES**

# NOTES

A REFER TO SHEET T-001 FOR ADDITIONAL INFORMATION.

**TELECOMMUNICATIONS PLAN NOTES**

# NOTES

- 1 NEW LOCATION FOR NEW INTERCOM CENTRAL EQUIPMENT. RELOCATE ALL EXISTING SPEAKER CABLING AND RE-USE AT THIS LOCATION.
- 2 NEW LOCATION EXISTING DATA RACK. RE-TERMINATE EXISTING DATA CABLING AS SPECIFIED.
- 3 NEW INTERCOM SPEAKER TO BE ADDED TO THE SYSTEM.
- 4 PROJECTOR BY OWNER. PROVIDE MOUNT AND CABLING AS SPECIFIED.
- 5 PROVIDE AV ROUGH-IN AND POWER AT 6'-6" A.F.F.
- 6 PROVIDE (2) UPT DATA CABLES.
- 7

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

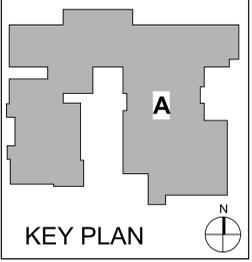
Project No. 2022-086.000  
 Project Date 08.29.2023  
 Produced MD

*Sarah K. Hempstead*

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#	Revision	Date
A2	ADDENDUM #2	09.19.2023

3526 N 300 E  
 Kokomo, IN 46901



**NORTHWESTERN SCHOOL CORPORATION**

**HOWARD ELEMENTARY SCHOOL**

**FIRST FLOOR TELECOMMUNICATIONS PLAN**

**3-TF101**

**1 FIRST FLOOR TELECOMMUNICATIONS PLAN**  
 1/8" = 1'-0"

3/20/23 - FIRST FLOOR TELECOMMUNICATIONS PLAN  
 PROJECT: HOWARD ELEMENTARY SCHOOL, NORTHWESTERN SCHOOL CORPORATION, HEALTHY PROJECTS, 3526 N 300 E, KOKOMO, IN 46901  
 DRAWING NUMBER: 3-TF101

GENERAL TELECOMMUNICATIONS NOTES	
#	NOTES
A	REFER TO SHEET T-001 FOR ADDITIONAL INFORMATION.

TELECOMMUNICATIONS PLAN NOTES	
#	NOTES
1	NEW LOCATION FOR NEW INTERCOM CENTRAL EQUIPMENT. RELOCATE ALL EXISTING SPEAKER CABLING AND RE-USE AT THIS LOCATION.
2	NEW LOCATION EXISTING DATA RACK. RE-TERMINATE EXISTING DATA CABLING AS SPECIFIED.
4	NEW INTERCOM SPEAKER TO BE ADDED TO THE SYSTEM.
5	PROJECTOR BY OWNER. PROVIDE MOUNT AND CABLING AS SPECIFIED.
6	PROVIDE A/V ROUGH-IN AND POWER AT 6'-6" A.F.F.
7	PROVIDE (2) UPT DATA CABLES.



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 Project Date 08.29.2023  
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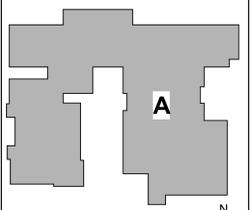


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#	Revision	Date

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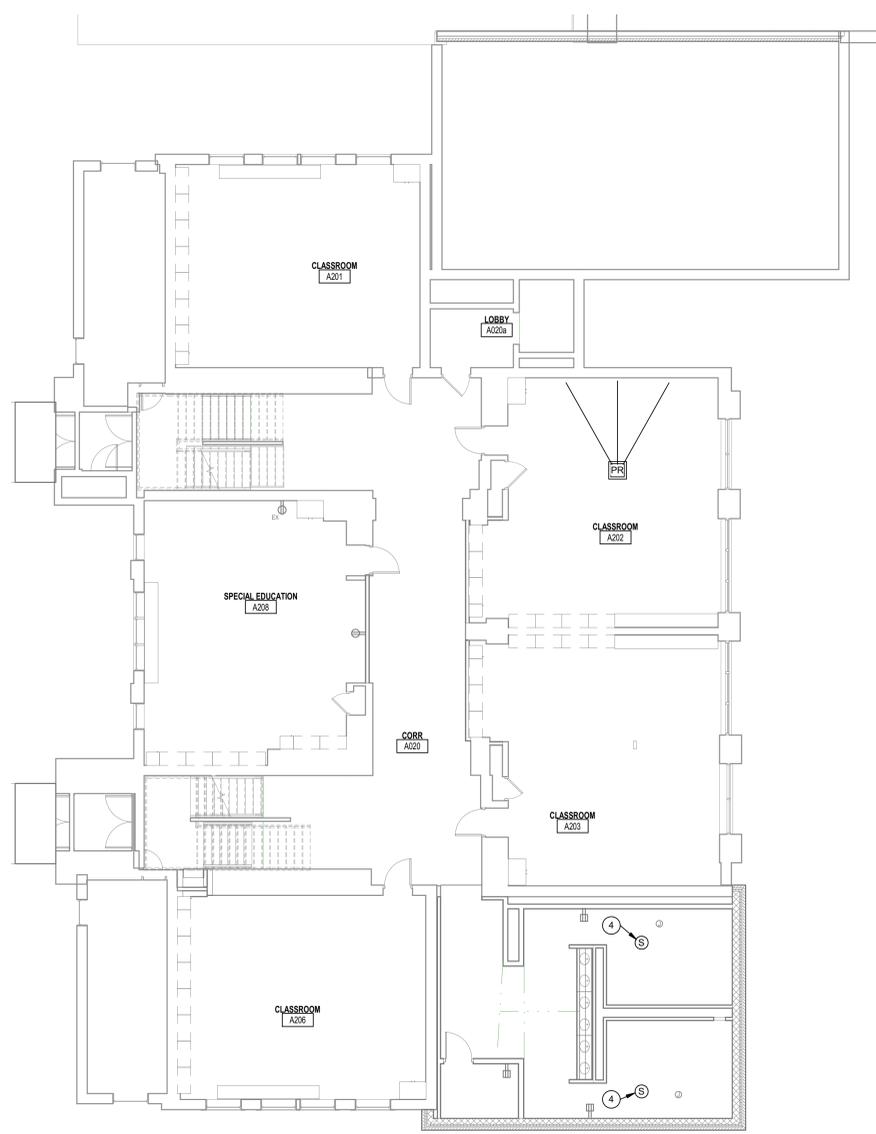
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**NORTHWESTERN SCHOOL CORPORATION**

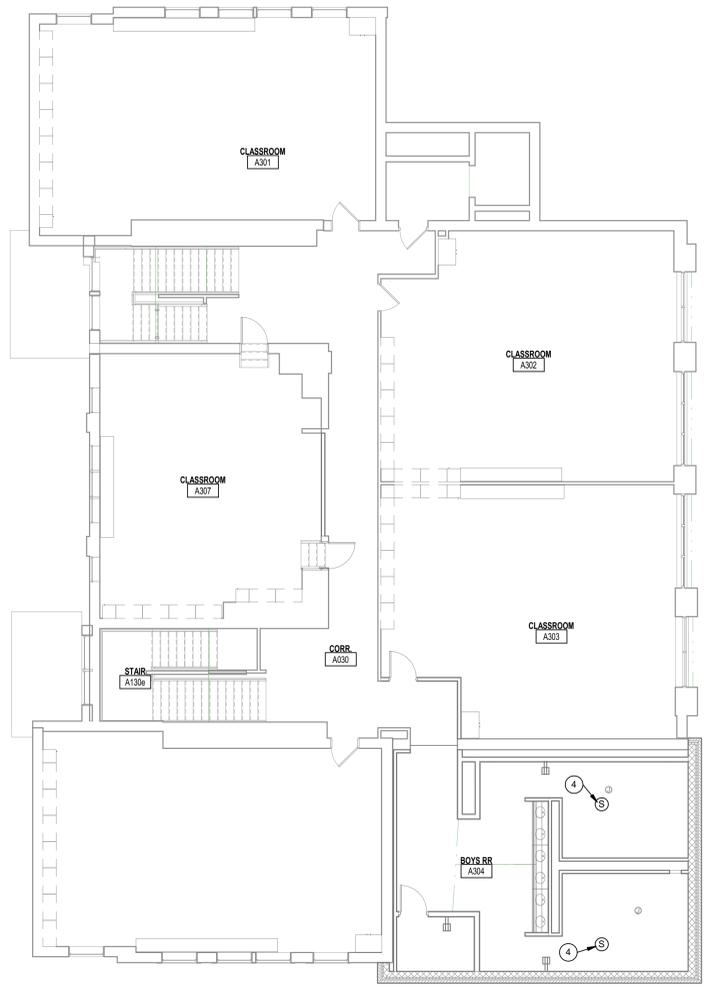


**HOWARD ELEMENTARY SCHOOL**

SECOND FLOOR TELECOMMUNICATIONS PLAN  
**3-TF102**

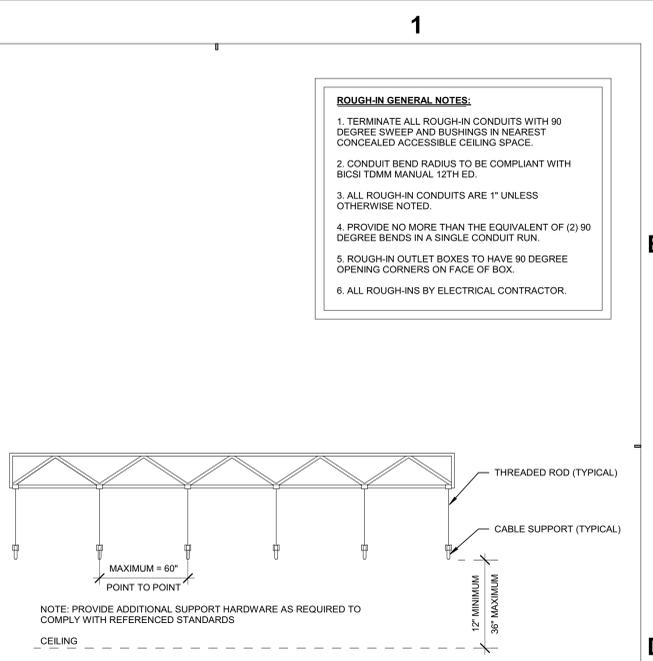
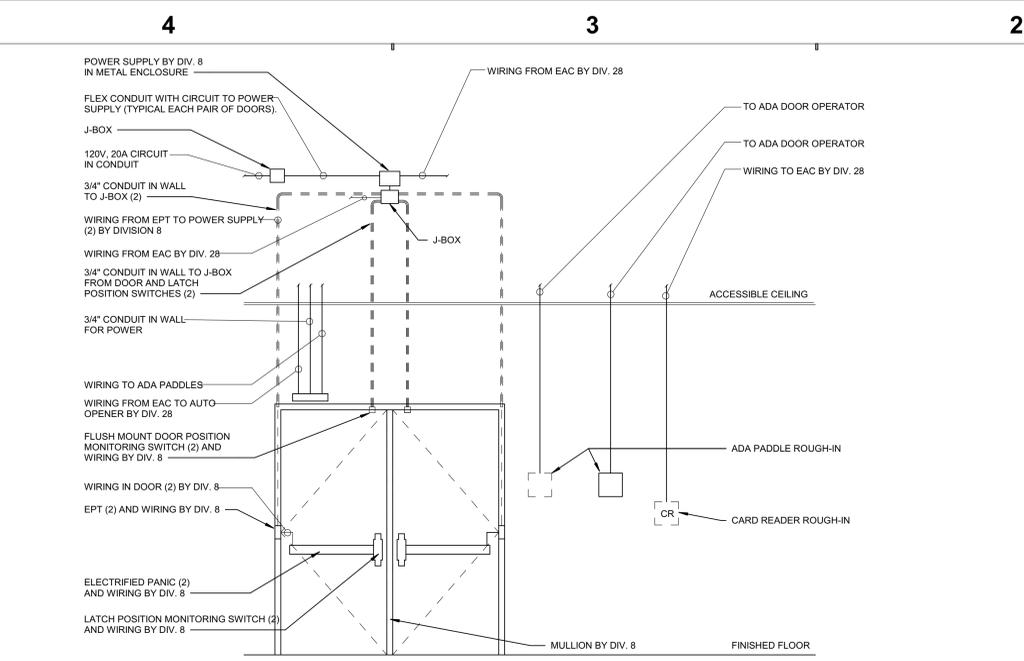
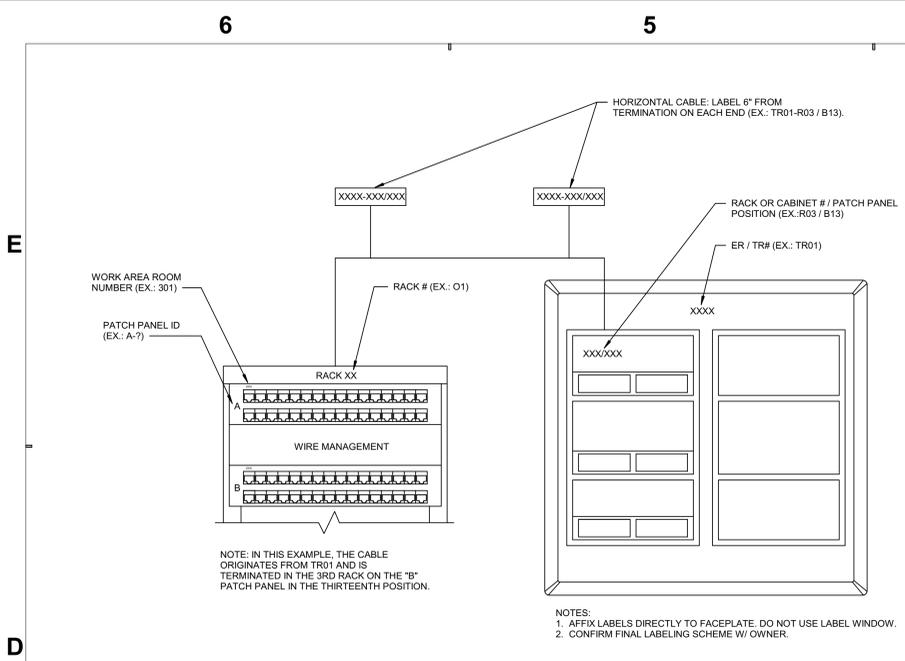


**1 SECOND FLOOR TELECOMMUNICATIONS PLAN**  
 1/8" = 1'-0"



**2 THIRD FLOOR TELECOMMUNICATIONS PLAN**  
 1/8" = 1'-0"

3/20/24: REVISION FOR THE COMMUNICATIONS PLAN.  
 2/28/24: NORTHWESTERN SCHOOL CORPORATION, HEALTHY PROJECTS.  
 2/28/24: ARCHITECT: SCHMIDT ASSOCIATES, INC. PROJECT: 2022-086.000  
 2/28/24: SHEET: 3-TF102



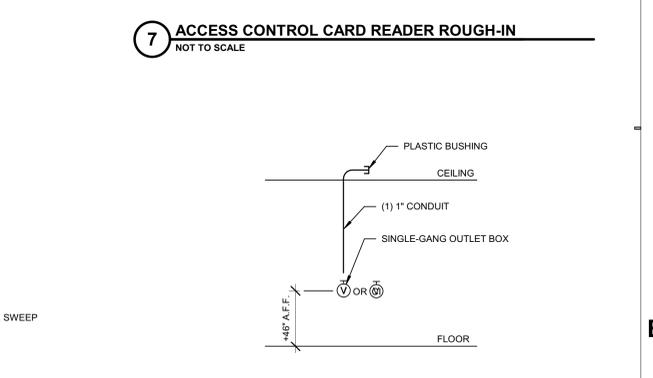
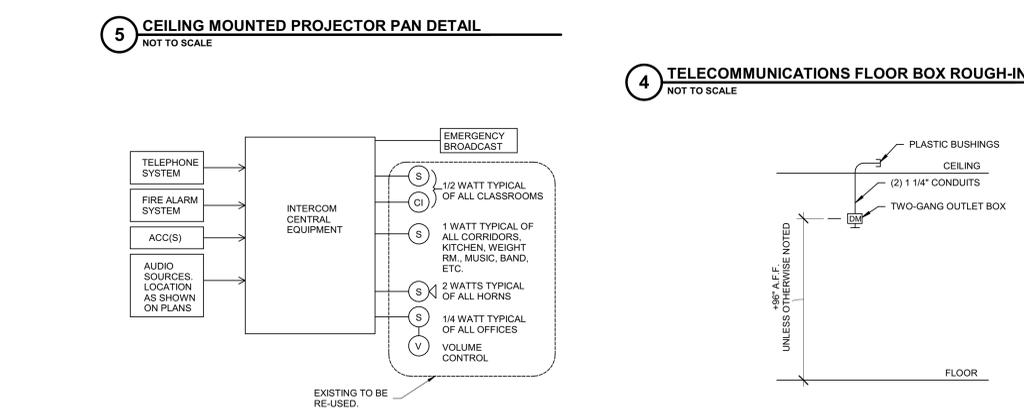
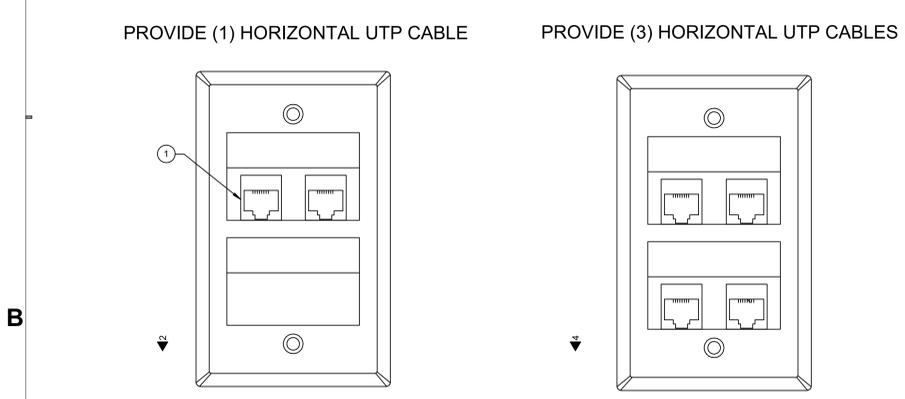
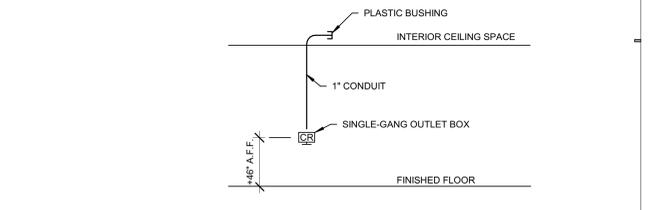
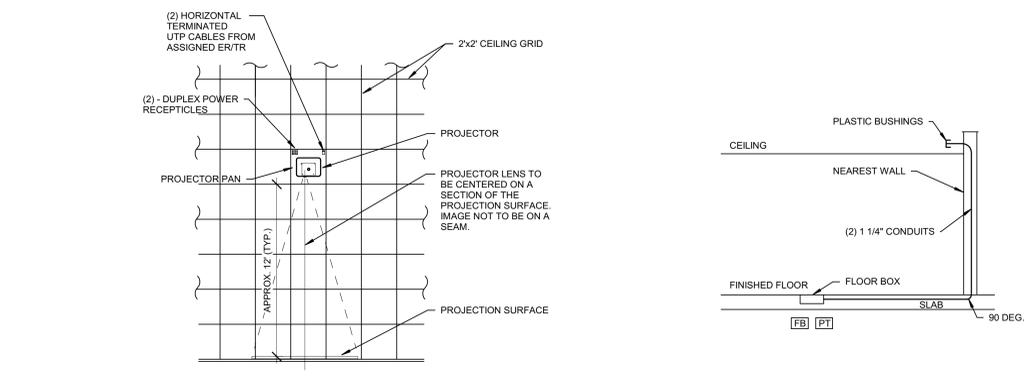
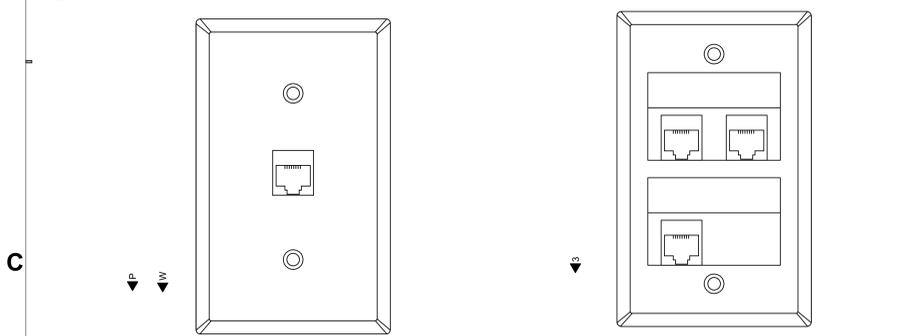
**ROUGH-IN GENERAL NOTES:**

1. TERMINATE ALL ROUGH-IN CONDUITS WITH 90 DEGREE SWEEP AND BUSHINGS IN NEAREST CONCEALED ACCESSIBLE CEILING SPACE.
2. CONDUIT BEND RADIUS TO BE COMPLIANT WITH BICSI TDMM MANUAL, 12TH ED.
3. ALL ROUGH-IN CONDUITS ARE 1\"/>

**8 ER/TR RACK/PATCH PANEL, WORK AREA OUTLET FACEPLATE LABELING**  
NOT TO SCALE

**11 TYPICAL PAIR OF DOORS SECURITY SCHEMATIC DIAGRAM**  
NOT TO SCALE

**6 CABLE SUPPORT DETAIL**  
NOT TO SCALE

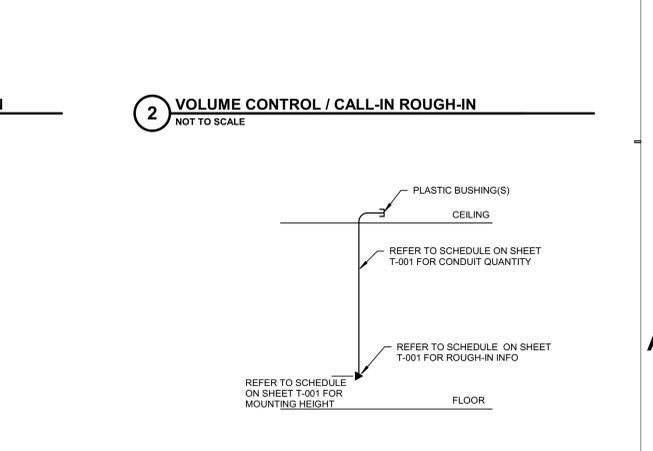


**GENERAL NOTES:**

1. WHERE TELECOMMUNICATIONS OUTLETS ARE INSTALLED IN MULTI-COMPARTMENT SURFACE RACEWAY, PROVIDE 106 JACK FRAMES AS REQUIRED AND STANDARD FACEPLATES TO MATCH ELECTRICAL POWER OUTLET.

**PLAN NOTES:**

1. FIRST POSITION DESIGNATED FOR VOICE SERVICES AT FACULTY AND STAFF DESK LOCATIONS.



**9 FACE PLATE DETAILS**  
NOT TO SCALE

**10 INTERCOM SYSTEM CONNECTIVITY DIAGRAM**  
NOT TO SCALE

**2 VOLUME CONTROL / CALL-IN ROUGH-IN**  
NOT TO SCALE

#	Revision	Date

