

**ADDENDUM
NO. 1**

August 23, 2024

MSD of Washington Township Service Center Renovation
8401 Westfield Blvd.
Indianapolis, IN 46240

TO: ALL BIDDERS OF RECORD

This Addendum forms a part of and modifies the Bidding Requirements, Contract Forms, Contract Conditions, the Specifications and the Drawings dated July 31, 2024, 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 1-1, 01 32 00b Phase 6B OSC Phasing Plan, 01 32 00c Phase 6B Warehouse Phasing Plan, and attached Schmidt Associates Addendum No. 1 consisting of 6 Addendum pages, and 182 attachments totaling 188 pages.

A. SPECIFICATION SECTION 01 12 00 MULTIPLE CONTRACT SUMMARY

3.03 Bid Categories

H. BID CATEGORY NO. 8 – PLUMBING & HVAC

Add the following specification section:

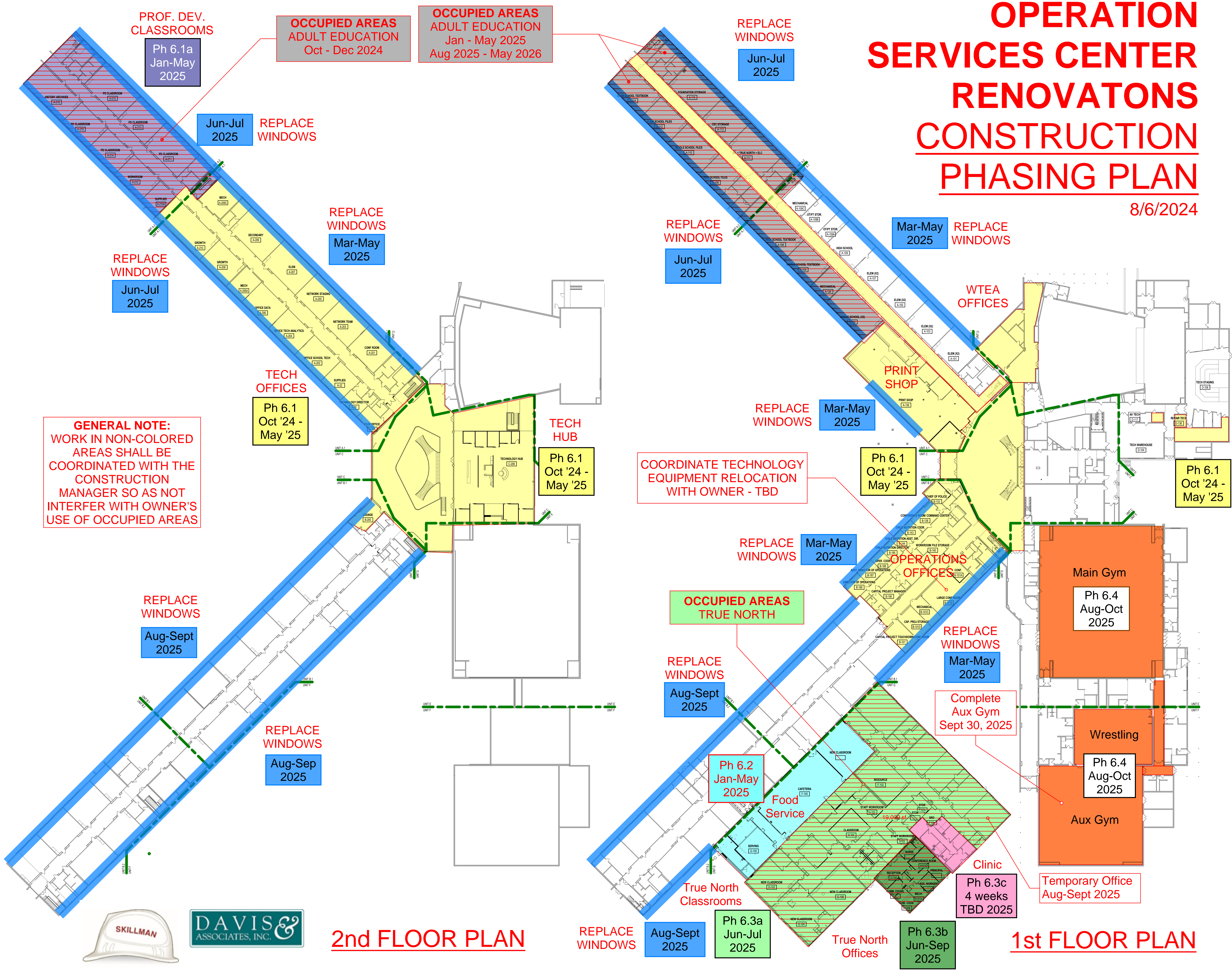
Section 23 84 16.16 Indoor Mechanical Dehumidification Units

B. SPECIFICATION SECTION 01 32 00 SCHEDULES AND REPORTS

1. Delete phasing plans included in section 01 32 00 and replace with attached updated phasing plan.

OPERATION SERVICES CENTER RENOVATIONS CONSTRUCTION PHASING PLAN

8/6/2024



PROF. DEV. CLASSROOMS
Ph 6.1a
Jan-May 2025

OCCUPIED AREAS
ADULT EDUCATION
Oct - Dec 2024

OCCUPIED AREAS
ADULT EDUCATION
Jan - May 2025
Aug 2025 - May 2026

REPLACE WINDOWS
Jun-Jul 2025

REPLACE WINDOWS
Jun-Jul 2025

REPLACE WINDOWS
Mar-May 2025

REPLACE WINDOWS
Jun-Jul 2025

REPLACE WINDOWS
Jun-Jul 2025

REPLACE WINDOWS
Mar-May 2025

TECH OFFICES
Ph 6.1
Oct '24 - May '25

TECH HUB
Ph 6.1
Oct '24 - May '25

COORDINATE TECHNOLOGY EQUIPMENT RELOCATION WITH OWNER - TBD

Ph 6.1
Oct '24 - May '25

Ph 6.1
Oct '24 - May '25

GENERAL NOTE:
WORK IN NON-COLORED AREAS SHALL BE COORDINATED WITH THE CONSTRUCTION MANAGER SO AS NOT INTERFERE WITH OWNER'S USE OF OCCUPIED AREAS

REPLACE WINDOWS
Aug-Sept 2025

OCCUPIED AREAS
TRUE NORTH

REPLACE WINDOWS
Aug-Sept 2025

REPLACE WINDOWS
Mar-May 2025

REPLACE WINDOWS
Mar-May 2025

Complete Aux Gym
Sept 30, 2025

REPLACE WINDOWS
Aug-Sept 2025

Ph 6.2
Jan-May 2025

Ph 6.4
Aug-Oct 2025

True North Classrooms

Clinic
Ph 6.3c
4 weeks
TBD 2025

Temporary Office
Aug-Sept 2025



2nd FLOOR PLAN

REPLACE WINDOWS
Aug-Sept 2025

Ph 6.3a
Jun-Jul 2025

True North Offices

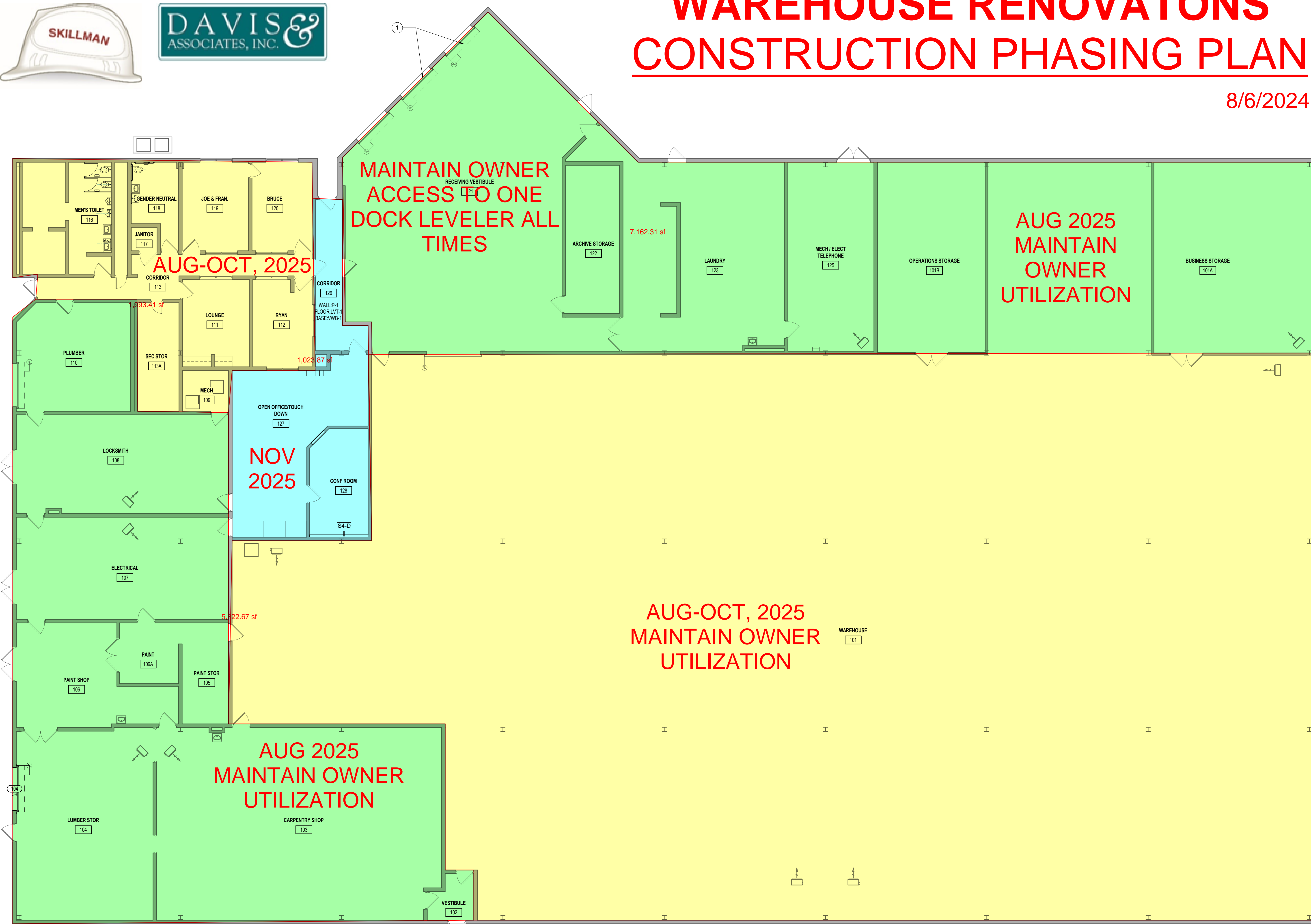
Ph 6.3b
Jun-Sep 2025

1st FLOOR PLAN



WAREHOUSE RENOVATIONS CONSTRUCTION PHASING PLAN

8/6/2024



AUG-OCT, 2025

MAINTAIN OWNER
ACCESS TO ONE
DOCK LEVELER ALL
TIMES

AUG 2025
MAINTAIN
OWNER
UTILIZATION

NOV
2025

AUG-OCT, 2025
MAINTAIN OWNER
UTILIZATION

AUG 2025
MAINTAIN OWNER
UTILIZATION

ADDENDUM NO. 1

AUGUST 22, 2024

PREPARED BY SCHMIDT ASSOCIATES FOR:
**M.S.D. OF WASHINGTON TOWNSHIP –
CENTRALIZED SERVICES CENTER AND
WAREHOUSE RENOVATION – PHASE 6B
WASHINGTON TOWNSHIP, M.S.D. OF**

This Addendum consists of 6 Addendum pages and 182 attachment pages totaling 188 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 087100 “DOOR HARDWARE”

1. DELETE Section 087100 in its entirety and replace with attached Section 087100.

2.2 DIVISION 12 – FURNISHINGS

A. Section 123200 “ MANUFACTURED WOOD CASEWORK”

1. ADD Subparagraph 2.4.C.2.3. as follows:
“2.PL-2: Not Used”
3.PL-3: Arborite, P399-CA Chambray Gris

2.3 DIVISION 23 - HEATING, VENTILATING, AND AIR-CONDITIONING(HVAC)

A. Section 230900.99 “DIRECT DIGITAL CONTROL SYSTEMS”

1. ADD Article 4.1 per the attached.

“Article 4.1 includes 33 pages of 11x17 Temperature Control Services (TCS) drawings dated 08/22/2023 under TCS job number J-2408004 that includes installation standards, riser diagrams, and temperature control schematics including points and wiring diagram details that shall be installed by the controls installation contractor (CIC) as performed by the mechanical, technology, and electrical contractors and indicated on the M-701 drawing”

B. Section 238416.16 “INDOOR MECHANICAL DEHUMIDIFICATION UNITS”

1. ADD Section 238416.16 per the attached.

PART 3 - CHANGES TO THE DRAWINGS

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

3.1 NOTE TO BIDDERS

- A. The room numbers for this project will be changed after bids have been awarded. Reissued plans by addenda prior to bid may have revised room and door numbers already indicated. A post-bid addendum will be issued prior to construction to replace all the sheets affected by this change. A supplemental matrix of the original room numbers to new room numbers is provided in this addendum for reference purposes only.

3.2 DRAWING SHEETS: ADDITIONS, DELETIONS AND REPLACEMENTS

| DRAWING NO. | INDICATE ACTION: ADD (A), DELETE (D), DELETE & REPLACE (R), |
|--------------------------|---|
| G-SERIES DRAWINGS | |
| G-100 | DELETE AND REPLACE |
| A-SERIES DRAWINGS | |
| AD1A1 | DELETE AND REPLACE |
| AD1B1 | DELETE AND REPLACE |
| AD1B2 | DELETE AND REPLACE |
| AD1C1 | DELETE AND REPLACE |
| AD1E1 | DELETE AND REPLACE |
| AD1G1 | DELETE AND REPLACE |
| AF1A1 | DELETE AND REPLACE |
| AF1A2 | DELETE AND REPLACE |
| AF1B1 | DELETE AND REPLACE |
| AF1C1 | DELETE AND REPLACE |
| AF1C2 | DELETE AND REPLACE |
| AF1E1 | DELETE AND REPLACE |
| AF1F1 | DELETE AND REPLACE |
| AF1G1 | DELETE AND REPLACE |
| AC1E1 | DELETE AND REPLACE |
| A-600 | DELETE AND REPLACE |

I-SERIES DRAWINGS

| | |
|-------|--------------------|
| IN1A1 | DELETE AND REPLACE |
| IN1A2 | DELETE AND REPLACE |
| IN1C1 | DELETE AND REPLACE |
| IN1D1 | DELETE AND REPLACE |
| I-201 | DELETE AND REPLACE |
| I-202 | DELETE AND REPLACE |
| I-203 | ADD |
| I-601 | DELETE AND REPLACE |

M-SERIES DRAWINGS

| | |
|--------|--------------------|
| M-601 | DELETE AND REPLACE |
| M-701 | DELETE AND REPLACE |
| MD1A1 | DELETE AND REPLACE |
| MH1A1 | DELETE AND REPLACE |
| MH1C2 | DELETE AND REPLACE |
| MH1G1 | DELETE AND REPLACE |
| WMH101 | DELETE AND REPLACE |

E-SERIES DRAWINGS

| | |
|--------|--------------------|
| ED1A2 | DELETE AND REPLACE |
| ED1B1 | DELETE AND REPLACE |
| ED1C1 | DELETE AND REPLACE |
| EDL1A2 | DELETE AND REPLACE |
| EDL1C1 | DELETE AND REPLACE |
| EL1A2 | DELETE AND REPLACE |
| EL1C1 | DELETE AND REPLACE |
| EL1C2 | DELETE AND REPLACE |
| EP1A1 | DELETE AND REPLACE |
| EP1A2 | DELETE AND REPLACE |
| EP1B1 | DELETE AND REPLACE |
| EP1C1 | DELETE AND REPLACE |
| EP1D1 | DELETE AND REPLACE |
| EP1E1 | DELETE AND REPLACE |
| EP1G1 | DELETE AND REPLACE |
| E401 | DELETE AND REPLACE |
| E601 | DELETE AND REPLACE |
| E602 | DELETE AND REPLACE |
| E603 | DELETE AND REPLACE |
| E604 | DELETE AND REPLACE |

T-SERIES DRAWINGS

| | |
|---------|--------------------|
| TD001A1 | DELETE AND REPLACE |
| TD001A2 | DELETE AND REPLACE |
| TD001B1 | DELETE AND REPLACE |
| TD001E | DELETE AND REPLACE |
| TD001F | DELETE AND REPLACE |
| TD001G | DELETE AND REPLACE |
| TD002A1 | DELETE AND REPLACE |
| TD002A2 | DELETE AND REPLACE |
| TD002B1 | DELETE AND REPLACE |
| T101 | DELETE AND REPLACE |

| | |
|--------|--------------------|
| T101B1 | DELETE AND REPLACE |
| T11E | DELETE AND REPLACE |
| T101F | DELETE AND REPLACE |
| T101G | DELETE AND REPLACE |
| T102 | DELETE AND REPLACE |
| T102A1 | DELETE AND REPLACE |
| T102A2 | DELETE AND REPLACE |
| T102B1 | DELETE AND REPLACE |
| T102B2 | DELETE AND REPLACE |
| T102C | DELETE AND REPLACE |
| T001 | DELETE AND REPLACE |

3.3 A-SERIES DRAWINGS

A. Drawing Numbers AD1A1 TO AD1G1

1. ADD Demolition Floor Plan Notes 46, 47, and 48 as follows:
"46. DEMOLISH CORRIDOR GATE IN ITS ENTIRETY
47. REMOVE EXISTING CEILING PANELS FROM EXISTING CEILING GRID TO REMAIN.
48. REMOVE EXISTING WAINSCOTING AND CHAIR RAIL IN ITS ENTIRETY. PATCH AND REPAIR AND PREPARE FOR NEW FINISH."

B. Drawing Number AD1A2

1. ADD Demolition Floor Plan Note 13 to the plan west wall of the northwest classroom (adjacent to men's restroom) in Drawing 3C.

C. Drawing Number AD1D1

1. ADD Demolition Floor Plan Note 20 to AV Tech Room.
2. ADD Demolition Floor Plan Note 5 to Repair Tech Room.

D. Drawing Number AD1F1

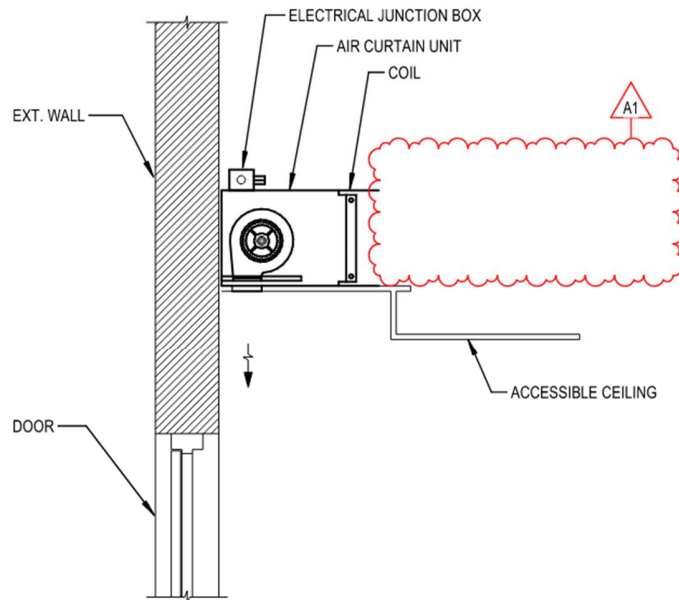
1. DELETE Demolition Floor Plan Note 7 from the Wrestling Room and replace with Demolition Floor Plan Note 47.
2. DELETE Demolition Floor Plan Note 7 from the Auxiliary Gym and replace with Demolition Floor Plan Note 47.
3. ADD Demolition Floor Plan Note 41 to exterior doors on the east side of building accessed through the Vestibule at northeast corner of the Auxiliary Gym.

E. Drawing Numbers AF1A1 to AF1G1

1. ADD Floor Plan Note 18 as follows:
 - a. "18. 055000 – Provide smooth surface floor aluminum saddle plate over flooring transition sim. to Balco GF Floor Exp. Jt. Cover"

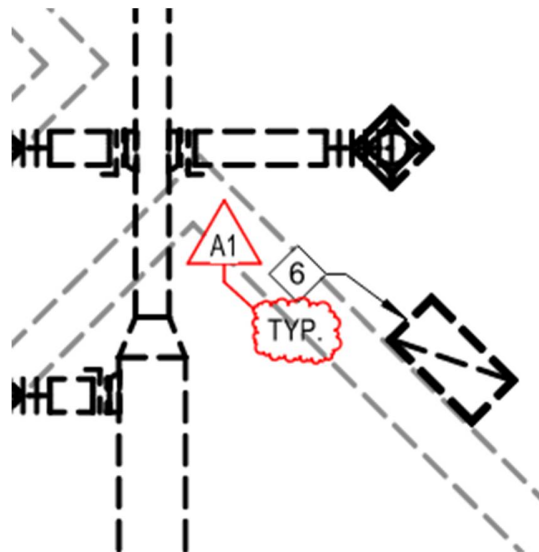
3.4 M-SERIES DRAWINGS

- A. Drawing Number **M-501**
 - 1. MODIFY Detail 1A as follows:

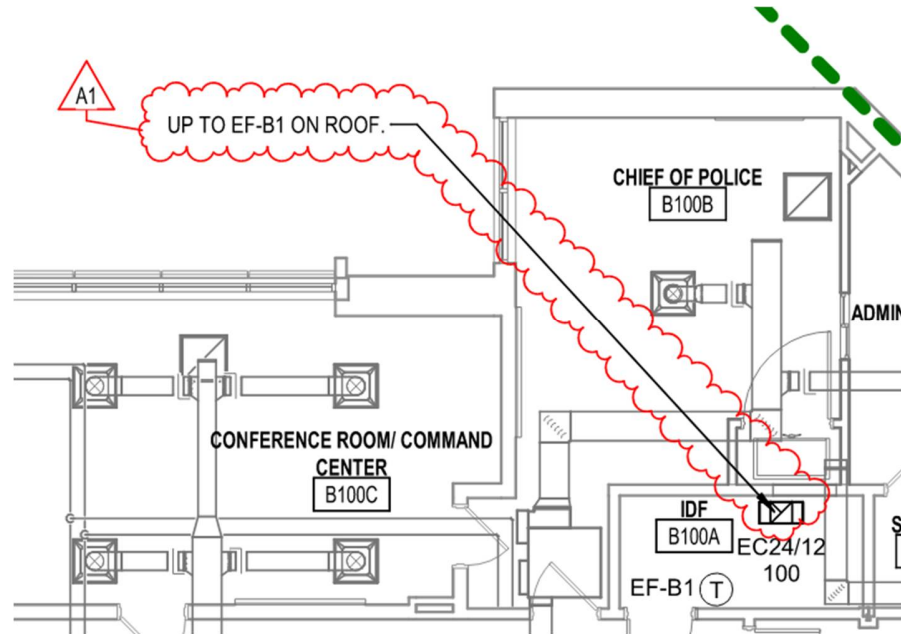


1A AIR CURTAIN DETAIL
NOT TO SCALE

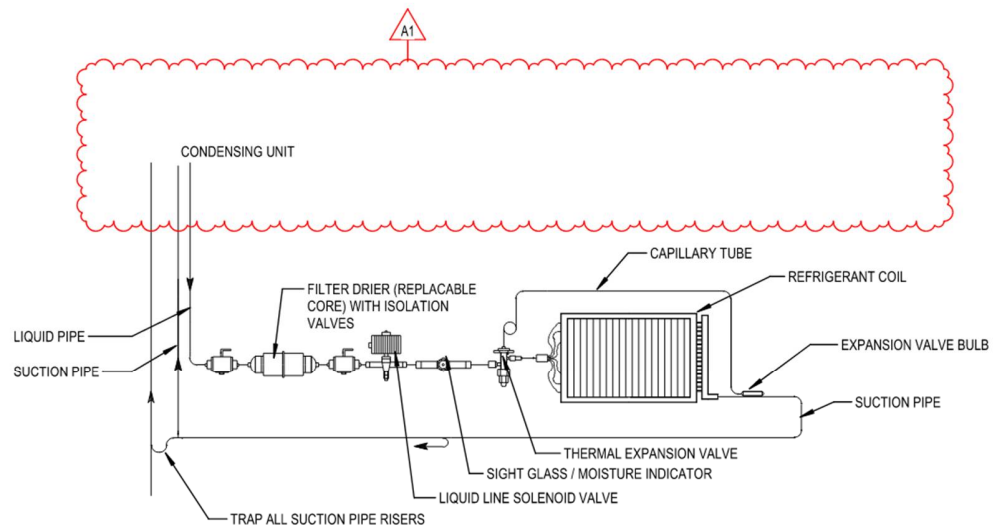
- B. Drawing Number **MD1C2**
 - 1. MODIFY Drawing MD1C2 as follows:



- C. Drawing Number **MH1B1**
1. MODIFY Drawing MH1B1 as follows:



- D. Drawing Number **WM-501**
1. MODIFY Detail <Reference> as follows:



- NOTES:**
1. REFRIGERANT PIPING AND SPECIALTIES SHALL BE SIZED PER CONDENSING UNIT MANUFACTURERS RECOMMENDATIONS.
2. EXPANSION VALVE BULB TO BE MOUNTED AT THREE (3) O'CLOCK POSITION.
3. ALL REFRIGERANT PIPING SHALL BE CONTINUOUSLY PURGED WITH NITROGEN DURING BRAZING PROCESS.
4. ALL ELBOWS TO BE LONG RADIUS TYPE.
5. SLOPE SUCTION PIPES 1/2" PER 10'-0" IN DIRECTION OF FLOW.

1A REFRIGERANT COIL PIPING DETAIL
NOT TO SCALE

END OF ADDENDUM 1

SECTION 087100 - DOOR HARDWARE

PART 1 - GENERAL

1.01 SUMMARY

A. Section includes:

1. Mechanical and electrified door hardware
2. Electronic access control system components
3. Field verification, preparation and modification of existing doors and frames to receive new door hardware.

B. Section excludes:

1. Windows
2. Cabinets (casework), including locks in cabinets
3. Signage
4. Toilet accessories
5. Overhead doors

C. Related Sections:

1. Division 01 "General Requirements" sections for Allowances, Alternates, Owner Furnished Contractor Installed, Project Management and Coordination.
2. Division 06 Section "Rough Carpentry"
3. Division 06 Section "Finish Carpentry"
4. Division 07 Section "Joint Sealants" for sealant requirements applicable to threshold installation specified in this section.
5. Division 08 Sections:
 - a. "Metal Doors and Frames"
 - b. "Flush Wood Doors"
 - c. "Aluminum-Framed Entrances and Storefronts"
6. Division 09 sections for touchup, finishing or refinishing of existing openings modified by this section.
7. Division 26 "Electrical" sections for connections to electrical power system and for low-voltage wiring.
8. Division 28 "Electronic Safety and Security" sections for coordination with other components of electronic access control system and fire alarm system.

1.02 REFERENCES

A. UL LLC

1. UL 10B - Fire Test of Door Assemblies
2. UL 10C - Positive Pressure Test of Fire Door Assemblies
3. UL 1784 - Air Leakage Tests of Door Assemblies
4. UL 305 - Panic Hardware

B. DHI - Door and Hardware Institute

1. Sequence and Format for the Hardware Schedule
2. Recommended Locations for Builders Hardware
3. Keying Systems and Nomenclature
4. Installation Guide for Doors and Hardware

C. NFPA – National Fire Protection Association

1. NFPA 70 – National Electric Code
2. NFPA 80 – 2016 Edition – Standard for Fire Doors and Other Opening Protectives
3. NFPA 101 – Life Safety Code
4. NFPA 105 – Smoke and Draft Control Door Assemblies
5. NFPA 252 – Fire Tests of Door Assemblies

D. ANSI - American National Standards Institute

1. ANSI A117.1 – 2017 Edition – Accessible and Usable Buildings and Facilities
2. ANSI/BHMA A156.1 - A156.29, and ANSI/BHMA A156.31 - Standards for Hardware and Specialties
3. ANSI/BHMA A156.28 - Recommended Practices for Keying Systems
4. ANSI/WDMA I.S. 1A - Interior Architectural Wood Flush Doors
5. ANSI/SDI A250.8 - Standard Steel Doors and Frames

1.03 SUBMITTALS

A. General:

1. Submit in accordance with Conditions of Contract and Division 01 Submittal Procedures.
2. Prior to forwarding submittal:
 - a. Comply with procedures for verifying existing door and frame compatibility for new hardware, as specified in PART 3, "EXAMINATION" article, herein.
 - b. Review drawings and Sections from related trades to verify compatibility with specified hardware.
 - c. Highlight, encircle, or otherwise specifically identify on submittals: deviations from Contract Documents, issues of incompatibility or other issues which may detrimentally affect the Work.

B. Action Submittals:

1. Product Data: Submit technical product data for each item of door hardware, installation instructions, maintenance of operating parts and finish, and other information necessary to show compliance with requirements.
2. Riser and Wiring Diagrams: After final approval of hardware schedule, submit details of electrified door hardware, indicating:
 - a. Wiring Diagrams: For power, signal, and control wiring and including:
 - 1) Details of interface of electrified door hardware and building safety and security systems.
 - 2) Schematic diagram of systems that interface with electrified door hardware.
 - 3) Point-to-point wiring.
 - 4) Risers.
3. Samples for Verification: If requested by Architect, submit production sample of requested door hardware unit in finish indicated and tagged with full description for coordination with schedule.

- a. Samples will be returned to supplier. Units that are acceptable to Architect may, after final check of operations, be incorporated into Work, within limitations of key coordination requirements.
- 4. Door Hardware Schedule:
 - a. Submit concurrent with submissions of Product Data, Samples, and Shop Drawings. Coordinate submission of door hardware schedule with scheduling requirements of other work to facilitate fabrication of other work critical in Project construction schedule.
 - b. Submit under direct supervision of a Door Hardware Institute (DHI) certified Architectural Hardware Consultant (AHC) or Door Hardware Consultant (DHC) with hardware sets in vertical format as illustrated by Sequence of Format for the Hardware Schedule published by DHI.
 - c. Indicate complete designations of each item required for each opening, include:
 - 1) Door Index: door number, heading number, and Architect's hardware set number.
 - 2) Quantity, type, style, function, size, and finish of each hardware item.
 - 3) Name and manufacturer of each item.
 - 4) Fastenings and other pertinent information.
 - 5) Location of each hardware set cross-referenced to indications on Drawings.
 - 6) Explanation of all abbreviations, symbols, and codes contained in schedule.
 - 7) Mounting locations for hardware.
 - 8) Door and frame sizes and materials.
 - 9) Degree of door swing and handing.
 - 10) Operational Description of openings with electrified hardware covering egress, ingress (access), and fire/smoke alarm connections.
- 5. Key Schedule:
 - a. After Keying Conference, provide keying schedule that includes levels of keying, explanations of key system's function, key symbols used, and door numbers controlled.
 - b. Use ANSI/BHMA A156.28 "Recommended Practices for Keying Systems" as guideline for nomenclature, definitions, and approach for selecting optimal keying system.
 - c. Provide 3 copies of keying schedule for review prepared and detailed in accordance with referenced DHI publication. Include schematic keying diagram and index each key to unique door designations.
 - d. Index keying schedule by door number, keyset, hardware heading number, cross keying instructions, and special key stamping instructions.
 - e. Provide one complete bitting list of key cuts and one key system schematic illustrating system usage and expansion. Forward bitting list, key cuts and key system schematic directly to Owner, by means as directed by Owner.
 - f. Prepare key schedule by or under supervision of supplier, detailing Owner's final keying instructions for locks.
- C. Informational Submittals:
 - 1. Provide Qualification Data for Supplier, Installer and Architectural Hardware Consultant.
 - 2. Provide Product Data:
 - a. Certify that door hardware approved for use on types and sizes of labeled fire-rated doors complies with listed fire-rated door assemblies.
 - b. Include warranties for specified door hardware.
- D. Closeout Submittals:
 - 1. Operations and Maintenance Data: Provide in accordance with Division 01 and include:

- a. Complete information on care, maintenance, and adjustment; data on repair and replacement parts, and information on preservation of finishes.
- b. Catalog pages for each product.
- c. Final approved hardware schedule edited to reflect conditions as installed.
- d. Final keying schedule
- e. Copy of warranties including appropriate reference numbers for manufacturers to identify project.
- f. As-installed wiring diagrams for each opening connected to power, both low voltage and 110 volts.

E. Inspection and Testing:

1. Submit written reports to the Owner and Authority Having Jurisdiction (AHJ) of the results of functional testing and inspection for:
 - a. Fire door assemblies, in compliance with NFPA 80.
 - b. Required egress door assemblies, in compliance with NFPA 101.

1.04 QUALITY ASSURANCE

A. Qualifications and Responsibilities:

1. Supplier: Recognized architectural hardware supplier with a minimum of 5 years documented experience supplying both mechanical and electromechanical door hardware similar in quantity, type, and quality to that indicated for this Project. Supplier to be recognized as a factory direct distributor by the manufacturer of the primary materials with a warehousing facility in the Project's vicinity. Supplier to have on staff, a certified Architectural Hardware Consultant (AHC) or Door Hardware Consultant (DHC) available to Owner, Architect, and Contractor, at reasonable times during the Work for consultation.
2. Installer: Qualified tradesperson skilled in the application of commercial grade hardware with experience installing door hardware similar in quantity, type, and quality as indicated for this Project.
3. Architectural Hardware Consultant: Person who is experienced in providing consulting services for door hardware installations that are comparable in material, design, and extent to that indicated for this Project and meets these requirements:
 - a. For door hardware: DHI certified AHC or DHC.
 - b. Can provide installation and technical data to Architect and other related subcontractors.
 - c. Can inspect and verify components are in working order upon completion of installation.
 - d. Capable of producing wiring diagram and coordinating installation of electrified hardware with Architect and electrical engineers.
4. Single Source Responsibility: Obtain each type of door hardware from single manufacturer.

B. Certifications:

1. Fire-Rated Door Openings:
 - a. Provide door hardware for fire-rated openings that complies with NFPA 80 and requirements of authorities having jurisdiction.

- b. Provide only items of door hardware that are listed products tested by UL LLC, Intertek Testing Services, or other testing and inspecting organizations acceptable to authorities having jurisdiction for use on types and sizes of doors indicated, based on testing at positive pressure and according to NFPA 252 or UL 10C and in compliance with requirements of fire-rated door and door frame labels.
- 2. Smoke and Draft Control Door Assemblies:
 - a. Provide door hardware that meets requirements of assemblies tested according to UL 1784 and installed in compliance with NFPA 105
 - b. Comply with the maximum air leakage of 0.3 cfm/sq. ft. (3 cu. m per minute/sq. m) at tested pressure differential of 0.3-inch wg (75 Pa) of water.
 - 3. Electrified Door Hardware
 - a. Listed and labeled as defined in NFPA 70, Article 100, by testing agency acceptable to authorities having jurisdiction.
 - 4. Accessibility Requirements:
 - a. Comply with governing accessibility regulations cited in "REFERENCES" article 087100, 1.02.D3 herein for door hardware on doors in an accessible route. This project must comply with all Federal Americans with Disability Act regulations and all Local Accessibility Regulations.
- C. Pre-Installation Meetings
- 1. Keying Conference
 - a. Incorporate keying conference decisions into final keying schedule after reviewing door hardware keying system including:
 - 1) Function of building, flow of traffic, purpose of each area, degree of security required, and plans for future expansion.
 - 2) Preliminary key system schematic diagram.
 - 3) Requirements for key control system.
 - 4) Requirements for access control.
 - 5) Address for delivery of keys.
 - 2. Pre-installation Conference
 - a. Review and finalize construction schedule and verify availability of materials, Installer's personnel, equipment, and facilities needed to make progress and avoid delays.
 - b. Inspect and discuss preparatory work performed by other trades.
 - c. Inspect and discuss electrical roughing-in for electrified door hardware.
 - d. Review sequence of operation for each type of electrified door hardware.
 - e. Review required testing, inspecting, and certifying procedures.
 - f. Review questions or concerns related to proper installation and adjustment of door hardware.
 - 3. Electrified Hardware Coordination Conference:
 - a. Prior to ordering electrified hardware, schedule and hold meeting to coordinate door hardware with security, electrical, doors and frames, and other related suppliers.

1.05 DELIVERY, STORAGE, AND HANDLING

- A. Inventory door hardware on receipt and provide secure lock-up for hardware delivered to Project site. Promptly replace products damaged during shipping.

- B. Tag each item or package separately with identification coordinated with final door hardware schedule, and include installation instructions, templates, and necessary fasteners with each item or package. Deliver each article of hardware in manufacturer's original packaging.
- C. Maintain manufacturer-recommended environmental conditions throughout storage and installation periods.
- D. Provide secure lock-up for door hardware delivered to Project. Control handling and installation of hardware items so that completion of Work will not be delayed by hardware losses both before and after installation.
- E. Handle hardware in manner to avoid damage, marring, or scratching. Correct, replace or repair products damaged during Work. Protect products against malfunction due to paint, solvent, cleanser, or any chemical agent.
- F. Deliver keys to manufacturer of key control system for subsequent delivery to Owner.

1.06 COORDINATION

- A. Coordinate layout and installation of floor-recessed door hardware with floor construction. Cast anchoring inserts into concrete.
- B. Installation Templates: Distribute for doors, frames, and other work specified to be factory or shop prepared. Check Shop Drawings of other work to confirm that adequate provisions are made for locating and installing door hardware to comply with indicated requirements.
- C. Security: Coordinate installation of door hardware, keying, and access control with Owner's security consultant.
- D. Electrical System Roughing-In: Coordinate layout and installation of electrified door hardware with connections to power supplies and building safety and security systems.
- E. Existing Openings: Where existing doors, frames and/or hardware are to remain, field verify existing functions, conditions and preparations and coordinate to suit opening conditions and to provide proper door operation.

1.07 WARRANTY

- A. Manufacturer's standard form in which manufacturer agrees to repair or replace components of door hardware that fail in materials or workmanship within published warranty period.
 - 1. Warranty does not cover damage or faulty operation due to improper installation, improper use or abuse.
 - 2. Warranty Period: Beginning from date of Substantial Completion, for durations indicated in manufacturer's published listings.
 - a. Mechanical Warranty
 - 1) Locks: 10 Years
 - 2) Exit Devices: 10 Years
 - 3) Closers: 30 Years
 - b. Electrical Warranty
 - 1) Locks: 3 Years
 - 2) Exit Devices: 3 Years

3) Closers/holders: 2 Years

1.08 MAINTENANCE

- A. Furnish complete set of special tools required for maintenance and adjustment of hardware, including changing of cylinders.
- B. Turn over unused materials to Owner for maintenance purposes.

PART 2 - PRODUCTS

2.01 MANUFACTURERS

- A. The Owner requires use of certain products for their unique characteristics and project suitability to ensure continuity of existing and future performance and maintenance standards. After investigating available product offerings, the Awarding Authority has elected to prepare proprietary specifications. These products are specified with the notation: "No Substitute."
 - 1. Where "No Substitute" is noted, submittals and substitution requests for other products will not be considered.
- B. Approval of alternate manufacturers and/or products other than those listed as "Scheduled Manufacturer" or "Acceptable Manufacturers" in the individual article for the product category are only to be considered by official substitution request in accordance with section 01 25 00.
- C. Approval of products from manufacturers indicated in "Acceptable Manufacturers" is contingent upon those products providing all functions and features and meeting all requirements of scheduled manufacturer's product.
- D. Where specified hardware is not adaptable to finished shape or size of members requiring hardware, furnish suitable types having same operation and quality as type specified, subject to Architect's approval.

2.02 MATERIALS

- A. Fabrication
 - 1. Provide door hardware manufactured to comply with published templates generally prepared for machine, wood, and sheet metal screws. provide screws according to manufacturer's recognized installation standards for application intended.
 - 2. Finish exposed screws to match hardware finish, or, if exposed in surfaces of other work, to match finish of this other work including prepared for paint surfaces to receive painted finish.
 - 3. Provide concealed fasteners wherever possible for hardware units exposed when door is closed. Coordinate with "Metal Doors and Frames", "Flush Wood Doors", "Stile and Rail Wood Doors" to ensure proper reinforcements. Advise the Architect where visible fasteners, such as thru bolts, are required.

- B. Modification and Preparation of Existing Doors: Where existing door hardware is indicated to be removed and reinstalled.
 - 1. Provide necessary fillers, Dutchmen, reinforcements, and fasteners, compatible with existing materials, as required for mounting new opening hardware and to cover existing door and frame preparations.
 - 2. Use materials which match materials of adjacent modified areas.
 - 3. When modifying existing fire-rated openings, provide materials permitted by NFPA 80 as required to maintain fire-rating.
- C. Provide screws, bolts, expansion shields, drop plates and other devices necessary for hardware installation.
 - 1. Where fasteners are exposed to view: Finish to match adjacent door hardware material.
- D. Cable and Connectors:
 - 1. Where scheduled in the hardware sets, provide each item of electrified hardware and wire harnesses with number and gage of wires enough to accommodate electric function of specified hardware.
 - 2. Provide Molex connectors that plug directly into connectors from harnesses, electric locking and power transfer devices.
 - 3. Provide through-door wire harness for each electrified locking device installed in a door and wire harness for each electrified hinge, electrified continuous hinge, electrified pivot, and electric power transfer for connection to power supplies.

2.03 HINGES

- A. Manufacturers and Products:
 - 1. Scheduled Manufacturer and Product:
 - a. Ives 5BB series
 - 2. Acceptable Manufacturers and Products:
 - a. Hager BB1191/1279 series
 - b. McKinney TB series
 - c. Best FBB series
- B. Requirements:
 - 1. Provide hinges conforming to ANSI/BHMA A156.1.
 - 2. Provide five knuckle, ball bearing hinges.
 - 3. 1-3/4 inch (44 mm) thick doors, up to and including 36 inches (914 mm) wide:
 - a. Exterior: Standard weight, bronze or stainless steel, 4-1/2 inches (114 mm) high
 - b. Interior: Standard weight, steel, 4-1/2 inches (114 mm) high
 - 4. 1-3/4 inch (44 mm) thick doors over 36 inches (914 mm) wide:
 - a. Exterior: Heavy weight, bronze/stainless steel, 5 inches (127 mm) high
 - b. Interior: Heavy weight, steel, 5 inches (127 mm) high
 - 5. 2 inches or thicker doors:
 - a. Exterior: Heavy weight, bronze or stainless steel, 5 inches (127 mm) high
 - b. Interior: Heavy weight, steel, 5 inches (127 mm) high

6. Adjust hinge width for door, frame, and wall conditions to allow proper degree of opening.
7. Provide three hinges per door leaf for doors 90 inches (2286 mm) or less in height, and one additional hinge for each 30 inches (762 mm) of additional door height.
8. Where new hinges are specified for existing doors or existing frames, provide new hinges of identical size to hinge preparation present in existing door or existing frame.
9. Hinge Pins: Except as otherwise indicated, provide hinge pins as follows:
 - a. Steel Hinges: Steel pins
 - b. Non-Ferrous Hinges: Stainless steel pins
 - c. Out-Swinging Exterior Doors: Non-removable pins
 - d. Out-Swinging Interior Lockable Doors: Non-removable pins
 - e. Interior Non-lockable Doors: Non-rising pins
10. Provide hinges with electrified options as scheduled in the hardware sets. Provide with number and gage of wires enough to accommodate electric function of specified hardware. Locate electric hinge at second hinge from bottom or nearest to electrified locking component. Provide mortar guard for each electrified hinge specified.
11. Where new hinges are specified for existing doors or existing frames, provide new hinges of identical size to hinge preparation present in existing door or existing frame.

2.04 CONTINUOUS HINGES

A. Manufacturers:

1. Scheduled Manufacturer:
 - a. Ives
2. Acceptable Manufacturers:
 - a. Select
 - b. Pemko

B. Requirements:

1. Provide aluminum geared continuous hinges conforming to ANSI/BHMA A156.26, Grade 1.
2. Provide aluminum geared continuous hinges, where specified in the hardware sets, fabricated from 6063-T6 aluminum.
3. Provide split nylon bearings at each hinge knuckle for quiet, smooth, self-lubricating operation.
4. Provide hinges capable of supporting door weights up to 450 pounds, and successfully tested for 1,500,000 cycles.
5. On fire-rated doors, provide aluminum geared continuous hinges classified for use on rated doors by testing agency acceptable to authority having jurisdiction.
6. Provide aluminum geared continuous hinges with electrified option scheduled in the hardware sets. Provide with number and gage of wires enough to accommodate electric function of specified hardware.
7. Provide hinges 1 inch (25 mm) shorter in length than nominal height of door, unless otherwise noted or door details require shorter length and with symmetrical hole pattern.

2.05 ELECTRIC POWER TRANSFER

A. Manufacturers:

1. Scheduled Manufacturer and Product:

a. Von Duprin EPT-10

2. Acceptable Manufacturers and Products:
a. No Substitute

B. Requirements:

1. Provide power transfer with electrified options as scheduled in the hardware sets. Provide with number and gage of wires enough to accommodate electric function of specified hardware.
2. Locate electric power transfer per manufacturer's template and UL requirements, unless interference with operation of door or other hardware items.

2.06 DOOR CORDS

A. Manufacturers:

1. Scheduled Manufacturer and Product:
a. Schlage 788/798 Series
2. Acceptable Manufacturers and Products:
a. No Substitute

B. Requirements:

1. Provide door cords with electrified options as scheduled in the hardware sets. Provide with number and gage of wires enough to accommodate electric function of specified hardware.
2. Locate electric power transfer per manufacturer's template and UL requirements, unless interference with operation of door or other hardware items.

2.07 FLUSH BOLTS

A. Manufacturers:

1. Scheduled Manufacturer:
a. Ives
2. Acceptable Manufacturers:
a. Rockwood
b. Trimco

B. Requirements:

1. Provide automatic, constant latching, and manual flush bolts with forged bronze or stainless-steel face plates, extruded brass levers, and with wrought brass guides and strikes. Provide 12 inch (305 mm) steel or brass rods at doors up to 90 inches (2286 mm) in height. For doors over 90 inches (2286 mm) in height increase top rods by 6 inches (152 mm) for each additional 6 inches (152 mm) of door height. Provide dust-proof strikes at each bottom flush bolt.

2.08 COORDINATORS

A. Manufacturers:

1. Scheduled Manufacturer:
 - a. Ives
2. Acceptable Manufacturers:
 - a. Trimco
 - b. Rockwood

B. Requirements:

1. Where pairs of doors are equipped with automatic flush bolts, an astragal, or other hardware that requires synchronized closing of the doors, provide bar-type coordinating device, surface applied to underside of stop at frame head.
2. Provide filler bar of correct length for unit to span entire width of opening, and appropriate brackets for parallel arm door closers, surface vertical rod exit device strikes, or other stop mounted hardware. Factory-prepared coordinators for vertical rod devices as specified.

2.09 MORTISE LOCKS

A. Manufacturers and Products:

1. Scheduled Manufacturer and Product:
 - a. Schlage L9000 series
2. Acceptable Manufacturers and Products:
 - a. No Substitute

B. Requirements:

1. Provide mortise locks conforming to ANSI/BHMA A156.13 Series 1000, Grade 1, and UL Listed for 3-hour fire doors.
2. Indicators: Where specified, provide indicator window measuring a minimum 2-3/5-inch x 3/5 inch with 180-degree visibility. Provide messages color-coded using ANSI Z535 Safety Red with full text and/or symbols, as scheduled, for easy visibility. When applicable allows for lock status indication on both sides of the door.
3. Provide locks manufactured from heavy gauge steel, containing components of steel with a zinc dichromate plating for corrosion resistance.
4. Provide lock case that is multi-function and field reversible for handing without opening case. Cylinders: Refer to "KEYING" article, herein.
5. Provide locks with standard 2-3/4 inches (70 mm) backset with full 3/4 inch (19 mm) throw stainless steel mechanical anti-friction latchbolt. Provide deadbolt with full 1-inch (25 mm) throw, constructed of stainless steel.
6. Provide standard ASA strikes unless extended lip strikes are necessary to protect trim. Provide electrified options as scheduled in the hardware sets. Where scheduled, provide switches and sensors integrated into the locks and latches.
7. Provide motor based electrified locksets that comply with the following requirements:
 - a. Universal input voltage – single chassis accepts 12 or 24VDC to allow for changes in the field without changing lock chassis.
 - b. Fail Safe/Fail Secure – changing mode between electrically locked (fail safe) and electrically unlocked (fail secure) is field selectable without opening the lock case.
 - c. Low maximum current draw – maximum 0.4 amps to allow for multiple locks on a single power supply.

- d. Low holding current – maximum 0.01 amps to produce minimal heat, eliminate “hot levers” in electrically locked applications, and to provide reliable operation in wood doors that provide minimal ventilation and air flow.
 - e. Connections – provide quick-connect Molex system standard.
8. Lever Trim: Solid brass, bronze, or stainless steel, cast or forged in design specified, with wrought roses and external lever spring cages. Provide thru-bolted levers with 2-piece spindles.
- a. Lever Design: Schlage 06N.

2.10 EXIT DEVICES

A. Manufacturers and Products:

- 1. Scheduled Manufacturer and Product:
 - a. Von Duprin 99 series
- 2. Acceptable Manufacturers and Products:
 - a. No Substitute

B. Requirements:

- 1. Provide exit devices tested to ANSI/BHMA A156.3 Grade 1 and UL listed for Panic Exit or Fire Exit Hardware.
- 2. Cylinders: Refer to "KEYING" article, herein.
- 3. Provide grooved touchpad type exit devices, fabricated of brass, bronze, stainless steel, or aluminum, plated to standard architectural finishes to match balance of door hardware.
- 4. Touchpad must extend a minimum of one half of door width. No plastic inserts are allowed in touchpads.
- 5. Provide exit devices with deadlatching feature for security and for future addition of alarm kits and/or other electrified requirements.
- 6. Provide exit devices with weather resistant components that can withstand harsh conditions of various climates and corrosive cleaners used in outdoor pool environments.
- 7. Provide flush end caps for exit devices.
- 8. Provide exit devices with manufacturer's approved strikes.
- 9. Provide exit devices cut to door width and height. Install exit devices at height recommended by exit device manufacturer, allowable by governing building codes, and approved by Architect.
- 10. Mount mechanism case flush on face of doors or provide spacers to fill gaps behind devices. Where glass trim or molding projects off face of door, provide glass bead kits.
- 11. Provide cylinder or hex-key dogging as specified at non fire-rated openings.
- 12. Removable Mullions: 2 inches (51 mm) x 3 inches (76 mm) steel tube. Where scheduled as keyed removable mullion, provide type that can be removed by use of a keyed cylinder, which is self-locking when re-installed.
- 13. Provide factory drilled weep holes for exit devices used in full exterior application, highly corrosive areas, and where noted in hardware sets.
- 14. Provide electrified options as scheduled.
- 15. Top latch mounting: double- or single-tab mount for steel doors, face mount for aluminum doors eliminating requirement of tabs, and double tab mount for wood doors.
- 16. Provide exit devices with optional trim designs to match other lever and pull designs used on the project.
- 17. Special Options:
 - a. CVC

- 1) Provide cable-actuated concealed vertical latch system in two-point for non-rated or fire rated wood doors up to a 90 minute rating and less bottom latch (LBL) configuration for non-rated or fire rated wood doors up to 20 minute rating. Vertical rods not permitted.
 - a) Cable: Stainless steel with abrasive resistant coating. Conduit and core wire ends snap into latch and center slides without use of tools.
 - b) Wood Door Prep: Maximum 1 inch x 1.1875 inch x 3.875 inches top latch pocket and 1 inch x 1.1875 inch x 5 inches bottom latch pocket which does not require the use of a metal wrap or edge for non-rated or fire rated wood doors up to a 45 minute rating.
 - c) Latchbolts and Blocking Cams: Manufactured from sintered metal low carbon copper- infiltrated steel, with molybdenum disulfide low friction coating.
 - d) Top Latchbolt: Minimum 0.38 inch (10 mm) and greater than 90-degree engagement with strike to prevent door and frame separation under high static load.
 - e) Bottom Latchbolt: Minimum of 0.44-inch (11 mm) engagement with strike.
 - f) Product Cycle Life: 1,000,000 cycles.
 - g) Latch Operation: Top and bottom latch operate independently of each other. Top latch fully engages top strike even when bottom latch is compromised. Separate trigger mechanisms not permitted.
 - h) Latch release does not require separate trigger mechanism.
 - i) Cable and latching system characteristics:
 - i. Installed independently of exit device installation, and capable of functioning on door prior to device and trim installation.
 - ii. Connected to exit device at single point in steel and aluminum doors, and two points for top and bottom latches in wood doors.
 - iii. Bottom latch height adjusted, from single point for steel and aluminum doors and two points for wood doors, after system is installed and connected to exit device, while door is hanging
 - iv. Bottom latch position altered up and down minimum of 2 inches (51 mm) in steel and aluminum doors without additional adjustment. Bottom latch deadlocks in every adjustment position in wood doors.
 - v. Top and bottom latches in steel and aluminum doors and top latch in wood doors may be removed while door is hanging.

2.11 CYLINDER HOUSINGS

A. Manufacturers:

1. Scheduled Manufacturer and Product:
 - a. Schlage
2. Acceptable Manufacturers and Products:
 - a. Best

B. Requirements:

1. Provide cylinder housings from same manufacturer of locksets, compliant with ANSI/BHMA A156.5; latest revision; cylinder face finished to match lockset, manufacturer's series as indicated. Refer to "KEYING" article, herein.
2. Provide cylinder housings in the below-listed configuration(s), distributed throughout the Project as indicated.
 - a. Cylinder/Core Type: Small Format Interchangeable Core (SFIC)

3. Replaceable Construction Cores.
 - a. Provide temporary construction cores replaceable by permanent cores, furnished in accordance with the following requirements.
 - 1) 3 construction control keys
 - 2) 12 construction change (day) keys.
4. Verify with Owner where permanent cores are to be shipped to.

2.12 PERMANENT CORES, KEYING, KEYS

A. Manufacturers:

1. Scheduled Manufacturer: Best

B. Acceptable Manufacturers:

1. No Substitute

C. Provide a factory registered keying system, complying with guidelines in ANSI/BHMA A156.28, incorporating decisions made at keying conference.

D. Permanent Core Requirements:

1. Provide permanent cores compliant with ANSI/BHMA A156.5; latest revision; cylinder face finished to match lockset, manufacturer's series as indicated. Refer to "KEYING" article, herein.
2. Provide cores in the below-listed configuration(s), distributed throughout the Project as indicated.
 - a. Match Owner's existing system.
 - b. Cylinder/Core Type: Small Format Interchangeable Core (SFIC).
 - c. Nickel silver bottom pins.

E. Keying Requirements:

1. Provide a factory registered keying system, complying with guidelines in ANSI/BHMA A156.28, incorporating decisions made at keying conference.
2. Provide keying system capable of multiplex masterkeying.
3. Permanent cores keyed by the manufacturer according to the following key system.
 - a. Keying system as directed by the Owner.
 - b. Match Owner's existing system.
 - c. (Great)Grand Master Key System: Cylinders/cores operated by change (day) keys and subsequent masters (including grand/great grand) keys.
4. Forward bitting list and keys separately from cylinders, by means as directed by Owner. Failure to comply with forwarding requirements shall be cause for replacement of cylinders/cores involved at no additional cost to Owner.
5. Provide keys with the following features:
 - a. Material: Nickel silver; minimum thickness of .107-inch (2.3mm).
6. Identification:
 - a. Mark permanent cylinders/cores and keys with applicable blind code per DHI publication "Keying Systems and Nomenclature" for identification. Blind code marks shall not include actual key cuts.
 - b. Identification stamping provisions must be approved by the Architect and Owner.

- c. Stamp keys with Owner's unique key system facility code as established by the manufacturer; key symbol and embossed or stamped with "DO NOT DUPLICATE".
 - d. Failure to comply with stamping requirements shall be cause for replacement of keys involved at no additional cost to Owner.
7. Quantity: Furnish in the following quantities.
- a. Change (Day) Keys: 3 per cylinder/core.
 - b. Permanent Control Keys: 3 (if required).
 - c. Master Keys: 6 per master.
 - d. Unused balance of key blanks shall be furnished to Owner with the cut keys.
8. Verify with owner where permanent cores and keys are to be shipped to.

2.13 KEY CONTROL SYSTEM

A. Manufacturers:

- 1. Scheduled Manufacturer:
 - a. Telkee
- 2. Acceptable Manufacturers:
 - a. No Substitute
 - b. HPC
 - c. Lund

B. Requirements:

- 1. Provide key control system, including envelopes, labels, tags with self-locking key clips, receipt forms, 3-way visible card index, temporary markers, permanent markers, and standard metal cabinet, all as recommended by system manufacturer, with capacity for 150% of number of locks required for Project.
 - a. Provide complete cross index system set up by hardware supplier, and place keys on markers and hooks in cabinet as determined by final key schedule.
 - b. Provide hinged-panel type cabinet for wall mounting.

2.14 DOOR CLOSERS

A. Manufacturers and Products:

- 1. Scheduled Manufacturer and Product:
 - a. LCN 4040XP series
- 2. Acceptable Manufacturers and Products:
 - a. Dorma Kaba QDC-100

B. Requirements:

- 1. Provide door closers conforming to ANSI/BHMA A156.4 Grade 1 requirements by BHMA certified independent testing laboratory. ISO 9000 certify closers. Stamp units with date of manufacture code.
- 2. Provide door closers with fully hydraulic, full rack and pinion action with high strength cast iron cylinder, and full complement bearings at shaft.

3. Cylinder Body: 1-1/2-inch (38 mm) diameter piston with 5/8-inch (16 mm) diameter double heat-treated pinion journal. QR code with a direct link to maintenance instructions.
4. Hydraulic Fluid: Fireproof, passing requirements of UL10C, and requiring no seasonal closer adjustment for temperatures ranging from 120 degrees F to -30 degrees F.
5. Spring Power: Continuously adjustable over full range of closer sizes, and providing reduced opening force as required by accessibility codes and standards. Provide snap-on cover clip, with plastic covers, that secures cover to spring tube.
6. Hydraulic Regulation: By tamper-proof, non-critical valves, with separate adjustment for latch speed, general speed, and backcheck. Provide graphically labelled instructions on the closer body adjacent to each adjustment valve. Provide positive stop on reg valve that prevents reg screw from being backed out.
7. Provide closers with solid forged steel main arms and factory assembled heavy-duty forged forearms for parallel arm closers.
8. Pressure Relief Valve (PRV) Technology: Not permitted.
9. Finish for Closer Cylinders, Arms, Adapter Plates, and Metal Covers: Powder coating finish which has been certified to exceed 100 hours salt spray testing as described in ANSI Standard A156.4 and ASTM B117, or has special rust inhibitor (SRI).
10. Provide special templates, drop plates, mounting brackets, or adapters for arms as required for details, overhead stops, and other door hardware items interfering with closer mounting.
11. Closers shall be capable of being upgraded by adding modular mechanical or electronic components in the field.

2.15 ELECTROMECHANICAL CLOSER/HOLDERS

A. Manufacturers:

1. Scheduled Manufacturer:
 - a. LCN
2. Acceptable Manufacturers:
 - a. No Substitute

B. Requirements:

1. Provide single-point or multi-point hold-open electromechanical closer/holders as specified. Coordinate voltage requirements and provide transformer if necessary.
2. Provide closer/holders that function as full rack and pinion door closer when current is interrupted or continuous hold-open is not engaged.
3. Provide door closers with fully hydraulic, full rack and pinion action with high strength cylinder and full complement bearings at shaft.
4. Hydraulic Fluid: Fireproof, passing requirements of UL10C, and requiring no seasonal closer adjustment for temperatures ranging from 120 degrees F to -30 degrees F.
5. Spring Power: Continuously adjustable over full range of closer sizes, and providing reduced opening force as required by accessibility codes and standards.
6. Hydraulic Regulation: By tamper-proof, non-critical valves, with separate adjustment for latch speed, general speed, and backcheck.
7. Pressure Relief Valve (PRV) Technology: Not permitted.
8. Provide special templates, drop plates, mounting brackets, or adapters for arms as required for details, overhead stops, and other door hardware items interfering with closer mounting.

2.16 PROTECTION PLATES

A. Manufacturers:

1. Scheduled Manufacturer:
 - a. Ives
2. Acceptable Manufacturers:
 - a. Trimco
 - b. Rockwood

B. Requirements:

1. Provide protection plates with a minimum of 0.050 inch (1 mm) thick, beveled four edges as scheduled. Furnish with sheet metal or wood screws, finished to match plates.
2. Sizes plates 2 inches (51 mm) less width of door on single doors, pairs of doors with a mullion, and doors with edge guards. Size plates 1 inch (25 mm) less width of door on pairs without a mullion or edge guards.
3. At fire rated doors, provide protection plates over 16 inches high with UL label.

2.17 OVERHEAD STOPS AND OVERHEAD STOP/HOLDERS

A. Manufacturers:

1. Scheduled Manufacturers:
 - a. Glynn-Johnson
2. Acceptable Manufacturers:
 - a. No Substitute

B. Requirements:

1. Provide overhead stop at any door where conditions do not allow for a wall stop or floor stop presents tripping hazard.

2.18 DOOR STOPS AND HOLDERS

A. Manufacturers:

1. Scheduled Manufacturer:
 - a. Ives
2. Acceptable Manufacturers:
 - a. Trimco
 - b. Rockwood

B. Provide door stops at each door leaf:

1. Provide wall stops wherever possible. Provide concave type where lockset has a push button of thumbturn.
2. Where a wall stop cannot be used, provide universal floor stops.
3. Where wall or floor stop cannot be used, provide overhead stop.

4. Provide roller bumper where doors open into each other and overhead stop cannot be used.

2.19 THRESHOLDS, SEALS, DOOR SWEEPS, AUTOMATIC DOOR BOTTOMS, AND GASKETING

A. Manufacturers:

1. Scheduled Manufacturer:
 - a. Zero International
2. Acceptable Manufacturers:
 - a. National Guard
 - b. Reese
 - c. Pemko

B. Requirements:

1. Provide thresholds, weather-stripping, and gasketing systems as specified and per architectural details. Match finish of other items.
2. Smoke- and Draft-Control Door Assemblies: Where smoke- and draft-control door assemblies are required, provide door hardware that meets requirements of assemblies tested according to UL 1784 and installed in compliance with NFPA 105.
3. Provide door sweeps, seals, astragals, and auto door bottoms only of type where resilient or flexible seal strip is easily replaceable and readily available.
4. Size thresholds 1/2 inch (13 mm) high by 5 inches (127 mm) wide by door width unless otherwise specified in the hardware sets or detailed in the drawings.

2.20 SILENCERS

A. Manufacturers:

1. Scheduled Manufacturer:
 - a. Ives
2. Acceptable Manufacturers:
 - a. Rockwood
 - b. Trimco

B. Requirements:

1. Provide "push-in" type silencers for hollow metal or wood frames.
2. Provide one silencer per 30 inches (762 mm) of height on each single frame, and two for each pair frame.
3. Omit where gasketing is specified.

2.21 FINISHES

- A. Provide hardware in finishes as shown in the hardware sets.

PART 3 - EXECUTION

3.01 EXAMINATION

- A. Prior to installation of hardware, examine doors and frames, with Installer present, for compliance with requirements for installation tolerances, labeled fire-rated door assembly construction, wall and floor construction, and other conditions affecting performance. Verify doors, frames, and walls have been properly reinforced for hardware installation.
- B. Field verify existing doors and frames receiving new hardware and existing conditions receiving new openings. Verify that new hardware is compatible with existing door and frame preparation and existing conditions.
- C. Examine roughing-in for electrical power systems to verify actual locations of wiring connections before electrified door hardware installation.
- D. Submit a list of deficiencies in writing and proceed with installation only after unsatisfactory conditions have been corrected.

3.02 PREPARATION

- A. Where on-site modification of doors and frames is required:
 - 1. Carefully remove existing door hardware and components being reused. Clean, protect, tag, and store in accordance with storage and handling requirements specified herein.
 - 2. Field modify and prepare existing doors and frames for new hardware being installed.
 - 3. When modifications are exposed to view, use concealed fasteners, when possible.
 - 4. Prepare hardware locations and reinstall in accordance with installation requirements for new door hardware and with:
 - a. Steel Doors and Frames: For surface applied door hardware, drill and tap doors and frames according to ANSI/SDI A250.6.
 - b. Wood Doors: DHI WDHS.5 "Recommended Hardware Reinforcement Locations for Mineral Core Wood Flush Doors."
 - c. Doors in rated assemblies: NFPA 80 for restrictions on on-site door hardware preparation.

3.03 INSTALLATION

- A. Mount door hardware units at heights to comply with the following, unless otherwise indicated or required to comply with governing regulations.
 - 1. Standard Steel Doors and Frames: ANSI/SDI A250.8.
 - 2. Custom Steel Doors and Frames: HMMA 831.
 - 3. Interior Architectural Wood Flush Doors: ANSI/WDMA I.S. 1A
 - 4. Installation Guide for Doors and Hardware: DHI TDH-007-20
- B. Install door hardware in accordance with NFPA 80, NFPA 101 and provide post-install inspection, testing as specified in section 1.03.E unless otherwise required to comply with governing regulations.

- C. Install each hardware item in compliance with manufacturer's instructions and recommendations, using only fasteners provided by manufacturer.
- D. Do not install surface mounted items until finishes have been completed on substrate. Protect all installed hardware during painting.
- E. Set units level, plumb and true to line and location. Adjust and reinforce attachment substrate as necessary for proper installation and operation.
- F. Drill and countersink units that are not factory prepared for anchorage fasteners. Space fasteners and anchors according to industry standards.
- G. Install operating parts so they move freely and smoothly without binding, sticking, or excessive clearance.
- H. Hinges: Install types and in quantities indicated in door hardware schedule but not fewer than quantity recommended by manufacturer for application indicated.
- I. Lock Cylinders:
 - 1. Install construction cores to secure building and areas during construction period.
 - 2. Replace construction cores with permanent cores as indicated in keying section.
 - 3. Furnish permanent cores to Owner for installation.
- J. Wiring: Coordinate with Division 26, ELECTRICAL and Division 28 ELECTRONIC SAFETY AND SECURITY sections for:
 - 1. Conduit, junction boxes and wire pulls.
 - 2. Connections to and from power supplies to electrified hardware.
 - 3. Connections to fire/smoke alarm system and smoke evacuation system.
 - 4. Connection of wire to door position switches and wire runs to central room or area, as directed by Architect.
 - 5. Connections to panel interface modules, controllers, and gateways.
 - 6. Testing and labeling wires with Architect's opening number.
- K. Key Control System: Tag keys and place them on markers and hooks in key control system cabinet, as determined by final keying schedule.
- L. Continuous Hinges: Re-locate the door and frame fire rating labels where they will remain visible so that the hinge does not cover the label once installed.
- M. Door Closers & Auto Operators: Mount closers/operators on room side of corridor doors, inside of exterior doors, and stair side of stairway doors from corridors. Mount closers/operators so they are not visible in corridors, lobbies and other public spaces unless approved by Architect.
- N. Overhead Stops/holders: Mount overhead stops/holders on room side of corridor doors, inside of exterior doors, and stair side of stairway doors.
- O. Power Supplies: Locate power supplies as indicated or, if not indicated, above accessible ceilings or in equipment room, or alternate location as directed by Architect.
- P. Thresholds: Set thresholds in full bed of sealant complying with requirements specified in Division 07 Section "Joint Sealants."

- Q. Stops: Provide floor stops for doors unless wall or other type stops are indicated in door hardware schedule. Do not mount floor stops where they may impede traffic or present tripping hazard.
- R. Perimeter Gasketing: Apply to head and jamb, forming seal between door and frame.
- S. Meeting Stile Gasketing: Fasten to meeting stiles, forming seal when doors are closed.
- T. Door Bottoms and Sweeps: Apply to bottom of door, forming seal with threshold when door is closed.

3.04 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.
 - 1. Door Closers: Adjust sweep period to comply with accessibility requirements and requirements of authorities having jurisdiction.
- B. Occupancy Adjustment: Approximately three to six months after date of Substantial Completion, examine and readjust each item of door hardware, including adjusting operating forces, as necessary to ensure function of doors and door hardware.

3.05 CLEANING AND PROTECTION

- A. Clean adjacent surfaces soiled by door hardware installation.
- B. Clean operating items per manufacturer's instructions to restore proper function and finish.
- C. Provide final protection and maintain conditions that ensure door hardware is without damage or deterioration at time of Substantial Completion.

3.06 DOOR HARDWARE SCHEDULE

- A. The intent of the hardware specification is to specify the hardware for interior and exterior doors, and to establish a type, continuity, and standard of quality. However, it is the door hardware supplier's responsibility to thoroughly review existing conditions, schedules, specifications, drawings, and other Contract Documents to verify the suitability of the hardware specified.
- B. Discrepancies, conflicting hardware, and missing items are to 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.
- C. Hardware items are referenced in the following hardware schedule. Refer to the above specifications for special features, options, cylinders/keying, and other requirements.
- D. Hardware Sets:

116860 OPT0383955 Version 3

HARDWARE GROUP NO. 01

For use on Door #(s):
G111

Provide each OPENING with the following:

| QTY | | DESCRIPTION | CATALOG NUMBER | FINISH | MFR |
|-----|----|---|--|--------|-----|
| 3 | EA | HINGE | 5BB1HW SIZE, QTY, NRP AS REQ'D (SEE SPECS) | 652 | IVE |
| 1 | EA | OFFICE W/SIM RETRACT W/ OUTSIDE INDICATOR | L9056BDC 06N L583-363 OS-OCC | 626 | SCH |
| 1 | EA | PERMANENT CORE | 1C7*2 | 626 | BES |
| 1 | EA | SURFACE CLOSER | 4040XP REG | 689 | LCN |
| 1 | EA | KICK PLATE | 8400 10" X 1 1/2" LDW B-CS | 630 | IVE |
| 1 | EA | MOP PLATE | 8400 4" X 1" LDW B-CS | 630 | IVE |
| 1 | EA | WALL STOP | WS406/407CVX | 630 | IVE |
| 1 | EA | GASKETING | 488SBK PSA | BK | ZER |

HARDWARE GROUP NO. 02

For use on Door #(s):
EX-G108 EX-G109

Provide each OPENING with the following:

| QTY | | DESCRIPTION | CATALOG NUMBER | FINISH | MFR |
|-----|----|---|------------------------------|--------|-----|
| 1 | EA | OFFICE W/SIM RETRACT W/ OUTSIDE INDICATOR | L9056BDC 06N L583-363 OS-OCC | 626 | SCH |
| 1 | EA | PERMANENT CORE | 1C7*2 | 626 | BES |

BALANCE OF HARDWARE EXISTING TO REMAIN. VERIFY/COORDINATE PREPS ON EXISTING DOORS AND FRAMES. PROVIDE FIELD MODIFICATIONS AND/OR FILLERS TO EXISTING DOORS AND FRAMES AS NECESSARY TO ACCEPT NEW SPECIFIED HARDWARE.

HARDWARE GROUP NO. 03

For use on Door #(s):
G100H

Provide each OPENING with the following:

| QTY | | DESCRIPTION | CATALOG NUMBER | FINISH | MFR |
|-----|----|---|--|--------|-----|
| 3 | EA | HINGE | 5BB1 SIZE, QTY, NRP AS REQ'D (SEE SPECS) | 652 | IVE |
| 1 | EA | OFFICE W/SIM RETRACT W/ OUTSIDE INDICATOR | L9056BDC 06N L583-363 OS-OCC | 626 | SCH |
| 1 | EA | PERMANENT CORE | 1C7*2 | 626 | BES |
| 1 | EA | WALL STOP | WS406/407CVX | 630 | IVE |
| 3 | EA | SILENCER | SR64 | GRY | IVE |

HARDWARE GROUP NO. 04

For use on Door #(s):
C100

Provide each OPENING with the following:

| QTY | | DESCRIPTION | CATALOG NUMBER | FINISH | MFR |
|-----|----|--|---|--------|-----|
| 3 | EA | HINGE | 5BB1 SIZE, QTY, NRP AS REQ'D (SEE SPECS) | 639 | IVE |
| 1 | EA | OFFICE/ENTRY LOCK W/ INSIDE INDICATOR | L9050BDC 06N L583-363 IS-LOC | 612 | SCH |
| 1 | EA | PERMANENT CORE | 1C7*2 | 612 | BES |
| 1 | EA | WALL STOP | WS406/407CVX | 612 | IVE |
| 3 | EA | SILENCER | SR64 | GRY | IVE |

HARDWARE GROUP NO. 05

For use on Door #(s):

G100A G100B G100D G100E G100F G100G
H103A

Provide each OPENING with the following:

| QTY | | DESCRIPTION | CATALOG NUMBER | FINISH | MFR |
|-----|----|--|---|--------|-----|
| 3 | EA | HINGE | 5BB1 SIZE, QTY, NRP AS REQ'D (SEE SPECS) | 652 | IVE |
| 1 | EA | OFFICE/ENTRY LOCK W/ INSIDE INDICATOR | L9050BDC 06N L583-363 IS-LOC | 626 | SCH |
| 1 | EA | PERMANENT CORE | 1C7*2 | 626 | BES |
| 1 | EA | WALL STOP | WS406/407CVX | 630 | IVE |
| 3 | EA | SILENCER | SR64 | GRY | IVE |

HARDWARE GROUP NO. 06

For use on Door #(s):

G100.1 G100.2

Provide each OPENING with the following:

| QTY | | DESCRIPTION | CATALOG NUMBER | FINISH | MFR |
|-----|----|--|---|--------|-----|
| 3 | EA | HINGE | 5BB1HW SIZE, QTY, NRP AS REQ'D (SEE SPECS) | 652 | IVE |
| 1 | EA | OFFICE/ENTRY LOCK W/ INSIDE INDICATOR | L9050BDC 06N L583-363 IS-LOC | 626 | SCH |
| 1 | EA | PERMANENT CORE | 1C7*2 | 626 | BES |
| 1 | EA | SURFACE CLOSER | 4040XP REG | 689 | LCN |
| 1 | EA | KICK PLATE | 8400 10" X 1 1/2" LDW B-CS | 630 | IVE |
| 1 | EA | WALL STOP | WS406/407CVX | 630 | IVE |
| 3 | EA | SILENCER | SR64 | GRY | IVE |

HARDWARE GROUP NO. 07

For use on Door #(s):
F112.1

Provide each OPENING with the following:

| QTY | | DESCRIPTION | CATALOG NUMBER | FINISH | MFR |
|-----|----|--|---|--------|-----|
| 3 | EA | HINGE | 5BB1HW SIZE, QTY, NRP AS REQ'D (SEE SPECS) | 652 | IVE |
| 1 | EA | OFFICE/ENTRY LOCK W/ INSIDE INDICATOR | L9050BDC 06N L583-363 IS-LOC | 626 | SCH |
| 1 | EA | PERMANENT CORE | 1C7*2 | 626 | BES |
| 1 | EA | SURFACE CLOSER | 4040XP EDA | 689 | LCN |
| 1 | EA | KICK PLATE | 8400 10" X 1 1/2" LDW B-CS | 630 | IVE |
| 1 | EA | FLOOR STOP | FS439 | 630 | IVE |
| 1 | EA | GASKETING | 488SBK PSA | BK | ZER |

HARDWARE GROUP NO. 08

For use on Door #(s):
C206

Provide each OPENING with the following:

| QTY | | DESCRIPTION | CATALOG NUMBER | FINISH | MFR |
|-----|----|--|---|--------|-----|
| 3 | EA | HINGE | 5BB1HW SIZE, QTY, NRP AS REQ'D (SEE SPECS) | 639 | IVE |
| 1 | EA | OFFICE/ENTRY LOCK W/ INSIDE INDICATOR | L9050BDC 06N L583-363 IS-LOC | 612 | SCH |
| 1 | EA | PERMANENT CORE | 1C7*2 | 612 | BES |
| 1 | EA | SURFACE CLOSER | 4040XP REG | 691 | LCN |
| 1 | EA | KICK PLATE | 8400 10" X 1 1/2" LDW B-CS | 612 | IVE |
| 1 | EA | WALL STOP | WS406/407CVX | 612 | IVE |
| 1 | EA | GASKETING | 488SBK PSA | BK | ZER |

HARDWARE GROUP NO. 09

For use on Door #(s):

G102 G103 G-101

Provide each OPENING with the following:

| QTY | | DESCRIPTION | CATALOG NUMBER | FINISH | MFR |
|-----|----|--|---|--------|-----|
| 3 | EA | HINGE | 5BB1HW SIZE, QTY, NRP AS REQ'D (SEE SPECS) | 652 | IVE |
| 1 | EA | OFFICE/ENTRY LOCK W/ INSIDE INDICATOR | L9050BDC 06N L583-363 IS-LOC | 626 | SCH |
| 1 | EA | PERMANENT CORE | 1C7*2 | 626 | BES |
| 1 | EA | SURFACE CLOSER | 4040XP REG | 689 | LCN |
| 1 | EA | KICK PLATE | 8400 10" X 1 1/2" LDW B-CS | 630 | IVE |
| 1 | EA | WALL STOP | WS406/407CVX | 630 | IVE |
| 1 | EA | GASKETING | 488SBK PSA | BK | ZER |

HARDWARE GROUP NO. 10

For use on Door #(s):

F110 G110

Provide each OPENING with the following:

| QTY | | DESCRIPTION | CATALOG NUMBER | FINISH | MFR |
|-----|----|--|---|--------|-----|
| 3 | EA | HINGE | 5BB1HW SIZE, QTY, NRP AS REQ'D (SEE SPECS) | 652 | IVE |
| 1 | EA | OFFICE/ENTRY LOCK W/ INSIDE INDICATOR | L9050BDC 06N L583-363 IS-LOC | 626 | SCH |
| 1 | EA | PERMANENT CORE | 1C7*2 | 626 | BES |
| 1 | EA | SURFACE CLOSER | 4040XP EDA | 689 | LCN |
| 1 | EA | KICK PLATE | 8400 10" X 1 1/2" LDW B-CS | 630 | IVE |
| 1 | EA | WALL STOP | WS406/407CVX | 630 | IVE |
| 1 | EA | GASKETING | 488SBK PSA | BK | ZER |

HARDWARE GROUP NO. 11

For use on Door #(s):

| | | | | | |
|-----------|-----------|----------|----------|----------|-----------|
| EX-A205 | EX-A206 | EX-A207 | EX-A208 | EX-A209 | EX-A210 |
| EX-A211 | EX-A212 | EX-A213 | EX-A215 | EX-A216 | EX-A219.1 |
| EX-A219.2 | EX-A223 | EX-A224 | EX-A225 | EX-A226 | EX-A227 |
| EX-A230.1 | EX-A230.2 | EX-A228 | EX-A229 | EX-B100B | EX-B100C |
| EX-B100D | EX-B100E | EX-B100F | EX-B100G | EX-B100H | EX-B100J |
| EX-B100N | EX-B100T | EX-B101 | EX-B102 | EX-B103H | EX-B105 |
| EX-C110 | EX-C207 | | | | |

Provide each OPENING with the following:

| QTY | | DESCRIPTION | CATALOG NUMBER | FINISH | MFR |
|-----|----|--|------------------------------|--------|-----|
| 1 | EA | OFFICE/ENTRY LOCK W/ INSIDE INDICATOR | L9050BDC 06N L583-363 IS-LOC | 612 | SCH |
| 1 | EA | PERMANENT CORE | 1C7*2 | 612 | BES |

BALANCE OF HARDWARE EXISTING TO REMAIN. VERIFY/COORDINATE PREPS ON EXISTING DOORS AND FRAMES. PROVIDE FIELD MODIFICATIONS AND/OR FILLERS TO EXISTING DOORS AND FRAMES AS NECESSARY TO ACCEPT NEW SPECIFIED HARDWARE.

HARDWARE GROUP NO. 12

For use on Door #(s):

| | | | | |
|---------|---------|---------|---------|---------|
| EX-F100 | EX-F101 | EX-F104 | EX-F108 | EX-H102 |
|---------|---------|---------|---------|---------|

Provide each OPENING with the following:

| QTY | | DESCRIPTION | CATALOG NUMBER | FINISH | MFR |
|-----|----|--|------------------------------|--------|-----|
| 1 | EA | OFFICE/ENTRY LOCK W/ INSIDE INDICATOR | L9050BDC 06N L583-363 IS-LOC | 626 | SCH |
| 1 | EA | PERMANENT CORE | 1C7*2 | 626 | BES |

BALANCE OF HARDWARE EXISTING TO REMAIN. VERIFY/COORDINATE PREPS ON EXISTING DOORS AND FRAMES. PROVIDE FIELD MODIFICATIONS AND/OR FILLERS TO EXISTING DOORS AND FRAMES AS NECESSARY TO ACCEPT NEW SPECIFIED HARDWARE.

HARDWARE GROUP NO. 13

For use on Door #(s):
EX-H101

Provide each OPENING with the following:

| QTY | | DESCRIPTION | CATALOG NUMBER | FINISH | MFR |
|-----|----|--|---|--------|-----|
| 3 | EA | HINGE | 5BB1 SIZE, QTY, NRP AS REQ'D (SEE SPECS) | 652 | IVE |
| 1 | EA | OFFICE/ENTRY LOCK W/ INSIDE INDICATOR | L9050BDC 06N L583-363 IS-LOC | 626 | SCH |
| 1 | EA | PERMANENT CORE | 1C7*2 | 626 | BES |
| 1 | EA | WALL STOP | WS406/407CVX | 630 | IVE |

VERIFY/COORDINATE PREPS ON EXISTING DOORS AND FRAMES. PROVIDE FIELD MODIFICATIONS AND/OR FILLERS TO EXISTING DOORS AND FRAMES AS NECESSARY TO ACCEPT NEW SPECIFIED HARDWARE. VERIFY EXISTING HINGE TYPE/PREPS AND PROVIDE HINGES THAT EXISTING PREPS ACCOMMODATE.

HARDWARE GROUP NO. 14

For use on Door #(s):
C101

Provide each OPENING with the following:

| QTY | | DESCRIPTION | CATALOG NUMBER | FINISH | MFR |
|-----|----|--|---|--------|-----|
| 6 | EA | HINGE | 5BB1HW SIZE, QTY, NRP AS REQ'D (SEE SPECS) | 639 | IVE |
| 1 | EA | AUTO FLUSH BOLT | FB31T/FB41T (AS REQ'D) | 612 | IVE |
| 1 | EA | OFFICE/ENTRY LOCK W/ INSIDE INDICATOR | L9050BDC 06N L583-363 IS-LOC | 612 | SCH |
| 1 | EA | PERMANENT CORE | 1C7*2 | 612 | BES |
| 1 | EA | COORDINATOR | COR X FL (MB AS REQ'D) PAINT IN FIELD | 628 | IVE |
| 2 | EA | SURFACE CLOSER (W/ DEAD STOP) | 4040XP CUSH | 691 | LCN |
| 1 | EA | KICK PLATE | 8400 10" X 1" LDW B-CS | 612 | IVE |
| 2 | EA | SILENCER | SR64 | GRY | IVE |

HARDWARE GROUP NO. 15

For use on Door #(s):
EX-F113

Provide each OPENING with the following:

| QTY | | DESCRIPTION | CATALOG NUMBER | FINISH | MFR |
|-----|----|--|------------------------------|--------|-----|
| 1 | EA | OFFICE/ENTRY LOCK W/ INSIDE INDICATOR | L9050BDC 06N L583-363 IS-LOC | 626 | SCH |
| 1 | EA | PERMANENT CORE | 1C7*2 | 626 | BES |

BALANCE OF HARDWARE EXISTING TO REMAIN. VERIFY/COORDINATE PREPS ON EXISTING DOORS AND FRAMES. PROVIDE FIELD MODIFICATIONS AND/OR FILLERS TO EXISTING DOORS AND FRAMES AS NECESSARY TO ACCEPT NEW SPECIFIED HARDWARE.

HARDWARE GROUP NO. 16

For use on Door #(s):
EX-H103

Provide each OPENING with the following:

| QTY | | DESCRIPTION | CATALOG NUMBER | FINISH | MFR |
|-----|----|--|---|--------|-----|
| 6 | EA | HINGE | 5BB1 SIZE, QTY, NRP AS REQ'D (SEE SPECS) | 652 | IVE |
| 2 | EA | MANUAL FLUSH BOLT | FB458 | 626 | IVE |
| 1 | EA | DUST PROOF STRIKE | DP2 | 626 | IVE |
| 1 | EA | OFFICE/ENTRY LOCK W/ INSIDE INDICATOR | L9050BDC 06N L583-363 IS-LOC | 626 | SCH |
| 1 | EA | PERMANENT CORE | 1C7*2 | 626 | BES |
| 2 | EA | WALL STOP | WS406/407CVX | 630 | IVE |

VERIFY/COORDINATE PREPS ON EXISTING DOORS AND FRAMES. PROVIDE FIELD MODIFICATIONS AND/OR FILLERS TO EXISTING DOORS AND FRAMES AS NECESSARY TO ACCEPT NEW SPECIFIED HARDWARE. VERIFY EXISTING HINGE TYPE/PREPS AND PROVIDE HINGES THAT EXISTING PREPS ACCOMMODATE.

HARDWARE GROUP NO. 17

For use on Door #(s):
F112.2

Provide each OPENING with the following:

| QTY | | DESCRIPTION | CATALOG NUMBER | FINISH | MFR |
|-----|----|---|---|--------|-----|
| 3 | EA | HINGE | 5BB1HW SIZE, QTY, NRP AS REQ'D (SEE SPECS) | 652 | IVE |
| 1 | EA | DBL CYL STORE W/DB W/ OUTSIDE INDICATOR W/ INSIDE INDICATOR | L9466BDC 06N OS-LOC IS-LOC | 626 | SCH |
| 2 | EA | PERMANENT CORE | 1C7*2 | 626 | BES |
| 1 | EA | SURFACE CLOSER (W/ DEAD STOP & HO) | 4040XP HCUSH | 689 | LCN |
| 1 | EA | KICK PLATE | 8400 10" X 1 1/2" LDW B-CS | 630 | IVE |
| 3 | EA | SILENCER | SR64 | GRY | IVE |

HARDWARE GROUP NO. 18

For use on Door #(s):
G101

Provide each OPENING with the following:

| QTY | | DESCRIPTION | CATALOG NUMBER | FINISH | MFR |
|-----|----|----------------|---|--------|-----|
| 3 | EA | HINGE | 5BB1HW SIZE, QTY, NRP AS REQ'D (SEE SPECS) | 652 | IVE |
| 1 | EA | CLASSROOM LOCK | L9070BDC 06N | 626 | SCH |
| 1 | EA | PERMANENT CORE | 1C7*2 | 626 | BES |
| 1 | EA | SURFACE CLOSER | 4040XP REG | 689 | LCN |
| 1 | EA | KICK PLATE | 8400 10" X 1 1/2" LDW B-CS | 630 | IVE |
| 1 | EA | WALL STOP | WS406/407CVX | 630 | IVE |
| 1 | EA | GASKETING | 488SBK PSA | BK | ZER |

HARDWARE GROUP NO. 19

For use on Door #(s):
B100

Provide each OPENING with the following:

| QTY | | DESCRIPTION | CATALOG NUMBER | FINISH | MFR |
|-----|----|-------------------|--|--------|-----|
| 3 | EA | HINGE | 5BB1HW SIZE, QTY, NRP AS REQ'D (SEE SPECS) | 639 | IVE |
| 1 | EA | DOOR CORD | 788C-18 | 626 | SCE |
| 1 | EA | EU MORTISE LOCK | L9092BDCEU 06N RX 12/24 VDC | 612 | SCH |
| 1 | EA | SURFACE CLOSER | 4040XP EDA | 691 | LCN |
| 1 | EA | KICK PLATE | 8400 10" X 1 1/2" LDW B-CS | 612 | IVE |
| 1 | EA | WALL STOP | WS406/407CVX | 612 | IVE |
| 1 | EA | GASKETING | 488SBK PSA | BK | ZER |
| 1 | EA | CREDENTIAL READER | BY ACCESS CONTROL INTEGRATOR | | B/O |
| 1 | EA | POWER SUPPLY | BY DIV 28 | | B/O |
| 1 | EA | DOOR CONTACT | BY DIV 28 | | B/O |

VERIFY/COORDINATE PREPS ON EXISTING DOORS AND FRAMES. PROVIDE FIELD MODIFICATIONS AND/OR FILLERS TO EXISTING DOORS AND FRAMES AS NECESSARY TO ACCEPT NEW SPECIFIED HARDWARE. VERIFY EXISTING HINGE TYPE/PREPS AND PROVIDE HINGES THAT EXISTING PREPS ACCOMMODATE. PREP EXISTING FRAME ACCORDINGLY FOR NEW SPECIFIED HARDWARE. PROVIDE FILLERS/PLATES AS NECESSARY TO FILL/COVER UNUSED OR EXPOSED EXISTING PREPS.

DOOR NORMALLY CLOSED AND LOCKED. PRESENTING VALID CREDENTIAL TO READER WILL UNLOCK OUTSIDE LEVER, ALLOWING ACCESS. DOOR REMAINS LOCKED WITH LOSS OF POWER. FREE EGRESS AT ALL TIMES.

HARDWARE GROUP NO. 20

For use on Door #(s):
B100A B100B.1

Provide each OPENING with the following:

| QTY | | DESCRIPTION | CATALOG NUMBER | FINISH | MFR |
|-----|----|-------------------------------|--|--------|-----|
| 3 | EA | HINGE | 5BB1 SIZE, QTY, NRP AS REQ'D (SEE SPECS) | 639 | IVE |
| 1 | EA | STOREROOM LOCK | L9080BDC 06N | 612 | SCH |
| 1 | EA | PERMANENT CORE | 1C7*2 | 612 | BES |
| 1 | EA | SURFACE CLOSER (W/ DEAD STOP) | 4040XP CUSH | 691 | LCN |
| 1 | EA | KICK PLATE | 8400 10" X 1 1/2" LDW B-CS | 612 | IVE |
| 1 | EA | GASKETING | 488SBK PSA | BK | ZER |

HARDWARE GROUP NO. 21

For use on Door #(s):
C200E

Provide each OPENING with the following:

| QTY | | DESCRIPTION | CATALOG NUMBER | FINISH | MFR |
|-----|----|----------------|---|--------|-----|
| 3 | EA | HINGE | 5BB1 SIZE, QTY, NRP AS REQ'D (SEE SPECS) | 639 | IVE |
| 1 | EA | STOREROOM LOCK | L9080BDC 06N | 612 | SCH |
| 1 | EA | PERMANENT CORE | 1C7*2 | 612 | BES |
| 1 | EA | SURFACE CLOSER | 4040XP REG | 691 | LCN |
| 1 | EA | KICK PLATE | 8400 10" X 1 1/2" LDW B-CS | 612 | IVE |
| 1 | EA | WALL STOP | WS406/407CVX | 612 | IVE |
| 1 | EA | GASKETING | 488SBK PSA | BK | ZER |

HARDWARE GROUP NO. 22

For use on Door #(s):
F105 G106D

Provide each OPENING with the following:

| QTY | | DESCRIPTION | CATALOG NUMBER | FINISH | MFR |
|-----|----|----------------------------------|---|--------|-----|
| 3 | EA | HINGE | 5BB1 SIZE, QTY, NRP AS REQ'D (SEE SPECS) | 652 | IVE |
| 1 | EA | STOREROOM LOCK | L9080BDC 06N | 626 | SCH |
| 1 | EA | PERMANENT CORE | 1C7*2 | 626 | BES |
| 1 | EA | SURFACE CLOSER (W/ DEAD STOP) | 4040XP CUSH | 689 | LCN |
| 1 | EA | KICK PLATE | 8400 10" X 1 1/2" LDW B-CS | 630 | IVE |
| 1 | EA | GASKETING | 488SBK PSA | BK | ZER |

HARDWARE GROUP NO. 23

For use on Door #(s):
E101P

Provide each OPENING with the following:

| QTY | | DESCRIPTION | CATALOG NUMBER | FINISH | MFR |
|-----|----|---------------------|---|--------|-----|
| 6 | EA | HINGE | 5BB1 SIZE, QTY, NRP AS REQ'D (SEE SPECS) | 639 | IVE |
| 1 | EA | CONST LATCHING BOLT | FB51T/FB61T (AS REQ'D) | 612 | IVE |
| 1 | EA | STOREROOM LOCK | L9080BDC 06N | 612 | SCH |
| 1 | EA | PERMANENT CORE | 1C7*2 | 612 | BES |
| 1 | EA | OH STOP | 410S | 612 | GLY |
| 1 | EA | WALL STOP | WS406/407CVX | 612 | IVE |
| 2 | EA | SILENCER | SR64 | GRY | IVE |

HARDWARE GROUP NO. 24

For use on Door #(s):
G106A

Provide each OPENING with the following:

| QTY | | DESCRIPTION | CATALOG NUMBER | FINISH | MFR |
|-----|-----|---|---------------------------------|--------|-----|
| 1 | EA | CONT. HINGE | 224XY | 628 | IVE |
| 1 | EA | CONT. HINGE | 224XY EPT | 628 | IVE |
| 1 | EA | POWER TRANSFER | EPT10 | 689 | VON |
| 1 | EA | AUTO FLUSH BOLT | FB31P | 630 | IVE |
| 1 | EA | DUST PROOF STRIKE | DP2 | 626 | IVE |
| 1 | EA | EU MORTISE LOCK | L9092HDEU 06N RX 12/24 VDC | 626 | SCH |
| 1 | EA | PERMANENT CORE | 1C7*2 | 626 | BES |
| 2 | EA | SURFACE CLOSER (W/ SPRING STOP & HO) | 4040XP SHCUSH | 689 | LCN |
| 2 | EA | ARMOR PLATE | 8400 35" X 1" LDW B-CS | 630 | IVE |
| 1 | EA | RAIN DRIP | 142AA | AA | ZER |
| 2 | SET | WEATHERSTRIPPING | 429AA-S @ JAMBS | AA | ZER |
| 1 | EA | GASKETING | 488SBK PSA @ HEAD | BK | ZER |
| 1 | EA | ASTRAGAL, OVERLAP | 383AA | AA | ZER |
| 2 | EA | DOOR SWEEP, BRUSH W/ DRIP | 8198AA | AA | ZER |
| 1 | EA | THRESHOLD, 1/2" | 655A | A | ZER |
| 1 | EA | CREDENTIAL READER | BY ACCESS CONTROL INTEGRATOR | | B/O |
| 1 | EA | POWER SUPPLY | BY DIV 28 | | B/O |
| 2 | EA | DOOR CONTACT | BY DIV 28 | | B/O |

DOOR NORMALLY CLOSED AND LOCKED. PRESENTING VALID CREDENTIAL TO READER WILL UNLOCK OUTSIDE LEVER, ALLOWING ACCESS. DOOR REMAINS LOCKED WITH LOSS OF POWER. FREE EGRESS AT ALL TIMES.

HARDWARE GROUP NO. 25

For use on Door #(s):
A121

Provide each OPENING with the following:

| QTY | | DESCRIPTION | CATALOG NUMBER | FINISH | MFR |
|-----|----|-------------------------------|--|--------|-----|
| 6 | EA | HINGE | 5BB1HW SIZE, QTY, NRP AS REQ'D (SEE SPECS) | 639 | IVE |
| 1 | EA | POWER TRANSFER | EPT10 | 689 | VON |
| 1 | EA | EU MORTISE LOCK | L9092BDCEU 06N RX 12/24 VDC | 612 | SCH |
| 2 | EA | SURFACE CLOSER (W/ DEAD STOP) | 4040XP CUSH | 691 | LCN |
| 2 | EA | KICK PLATE | 8400 10" X 1" LDW B-CS | 612 | IVE |
| 1 | EA | GASKETING | 488SBK PSA | BK | ZER |
| 1 | EA | GASKETING, MEETING STILE | 5070 | BK | NGP |
| 1 | EA | CREDENTIAL READER | BY ACCESS CONTROL INTEGRATOR | | B/O |
| 1 | EA | POWER SUPPLY | BY DIV 28 | | B/O |
| 2 | EA | DOOR CONTACT | BY DIV 28 | | B/O |

DOOR NORMALLY CLOSED AND LOCKED. PRESENTING VALID CREDENTIAL TO READER WILL UNLOCK OUTSIDE LEVER, ALLOWING ACCESS. DOOR REMAINS LOCKED WITH LOSS OF POWER. FREE EGRESS AT ALL TIMES.

HARDWARE GROUP NO. 26

For use on Door #(s):
G100C

Provide each OPENING with the following:

| QTY | | DESCRIPTION | CATALOG NUMBER | FINISH | MFR |
|-----|----|-------------------------------|--|--------|-----|
| 6 | EA | HINGE | 5BB1 SIZE, QTY, NRP AS REQ'D (SEE SPECS) | 652 | IVE |
| 1 | EA | AUTO FLUSH BOLT | FB31T/FB41T (AS REQ'D) | 630 | IVE |
| 1 | EA | STOREROOM LOCK | L9080BDC 06N | 626 | SCH |
| 1 | EA | PERMANENT CORE | 1C7*2 | 626 | BES |
| 1 | EA | COORDINATOR | COR X FL (MB AS REQ'D) | 628 | IVE |
| 2 | EA | SURFACE CLOSER (W/ DEAD STOP) | 4040XP CUSH | 689 | LCN |
| 2 | EA | KICK PLATE | 8400 10" X 1" LDW B-CS | 630 | IVE |
| 2 | EA | SILENCER | SR64 | GRY | IVE |

HARDWARE GROUP NO. 27

For use on Door #(s):
G104C

Provide each OPENING with the following:

| QTY | | DESCRIPTION | CATALOG NUMBER | FINISH | MFR |
|-----|----|-----------------------------|---|--------|-----|
| 6 | EA | HINGE | 5BB1 SIZE, QTY, NRP AS REQ'D (SEE SPECS) | 652 | IVE |
| 1 | EA | AUTO FLUSH BOLT | FB32/FB42 (AS REQ'D) | 630 | IVE |
| 1 | EA | STOREROOM LOCK | L9080BDC 06N | 626 | SCH |
| 1 | EA | PERMANENT CORE | 1C7*2 | 626 | BES |
| 1 | EA | COORDINATOR | COR X FL (MB AS REQ'D) | 628 | IVE |
| 2 | EA | SURFACE CLOSER | 4040XP REG | 689 | LCN |
| 2 | EA | KICK PLATE | 8400 10" X 1" LDW B-CS | 630 | IVE |
| 2 | EA | WALL STOP | WS406/407CVX | 630 | IVE |
| 1 | EA | GASKETING | 488SBK PSA | BK | ZER |
| 1 | EA | GASKETING, MEETING STILE | 5070 | BK | NGP |

HARDWARE GROUP NO. 28

For use on Door #(s):
EX-V111.1

Provide each OPENING with the following:

| QTY | | DESCRIPTION | CATALOG NUMBER | FINISH | MFR |
|-----|----|----------------------|----------------|--------|-----|
| 1 | EA | POWER TRANSFER | EPT10 | 689 | VON |
| 2 | EA | Blank Plate | #050589 | 628 | VON |
| 1 | EA | LATCH RETRACTION KIT | QEL KIT | | VON |
| 1 | EA | SWITCH KIT | LX-RX | | VON |
| 1 | EA | AUTO OPERATOR | REUSE EXISTING | | EXI |

BALANCE OF HARDWARE EXISTING TO REMAIN. VERIFY/COORDINATE PREPS ON EXISTING DOORS AND FRAMES. PROVIDE FIELD MODIFICATIONS AND/OR FILLERS TO EXISTING DOORS AND FRAMES AS NECESSARY TO ACCEPT NEW SPECIFIED HARDWARE.

DOOR(S) NORMALLY CLOSED AND LOCKED AND EXTERIOR ACTUATOR DISABLED. PRESENTING VALID CREDENTIAL TO READER RETRACTS EXIT DEVICE LATCH AND ENABLES EXTERIOR ACTUATOR. PUSHING ENABLED EXTERIOR ACTUATOR SIGNALS AUTOMATIC OPERATOR TO OPEN DOOR. INTERIOR ACTUATOR ENABLED AT ALL TIMES. PUSHING INTERIOR ACTUATOR RETRACTS LATCH AND SIGNALS AUTOMATIC OPERATOR TO OPEN DOOR. EXIT DEVICE LATCH ALSO CAPABLE OF BEING ELECTRONICALLY DOGGED DOWN (I.E. PUSH/PULL MODE) AS DESIGNATED BY ACCESS CONTROL SYSTEM SCHEDULE. EXIT DEVICE LATCHES AND LOCKS WITH LOSS OF POWER. FREE EGRESS AT ALL TIMES.

HARDWARE GROUP NO. 29

For use on Door #(s):
V-108.2

Provide each OPENING with the following:

| QTY | | DESCRIPTION | CATALOG NUMBER | FINISH | MFR |
|-----|-----|------------------------------------|---------------------------------|--------|-----|
| 2 | EA | CONT. HINGE | 224XY | 628 | IVE |
| 2 | EA | DOOR CORD | 788C-18 | 626 | SCE |
| 1 | EA | REMOVABLE MULLION | KR4954 STAB | 689 | VON |
| 1 | EA | ELEC PANIC HARDWARE | RX-QEL-99-DT 24 VDC | 612 | VON |
| 1 | EA | ELEC PANIC HARDWARE | RX-QEL-99-NL 24 VDC | 612 | VON |
| 2 | EA | PERMANENT CORE | 1C7*2 | 612 | BES |
| 1 | EA | MORTISE CYL HOUSING (SFIC) | 80-110 (W/ DISP CONST CORE) | 612 | SCH |
| 1 | EA | RIM CYL HOUSING (SFIC) | 80-159 (W/ KEYED CONST CORE) | 612 | SCH |
| 2 | EA | SURFACE CLOSER (W/ SPRING STOP) | 4040XP SCUSH | 691 | LCN |
| 2 | EA | KICK PLATE | 8400 10" X 1" LDW B-CS | 612 | IVE |
| 1 | EA | RAIN DRIP | 142AA | AA | ZER |
| 1 | SET | WEATHERSTRIPPING | 429AA-S | AA | ZER |
| 1 | EA | MULLION SEAL | 8780NBK PSA | BK | ZER |
| 1 | EA | ASTRAGAL, MEETING STILE | 8195AA | AA | ZER |
| 2 | EA | DOOR SWEEP, BRUSH W/ DRIP | 8198AA | AA | ZER |
| 1 | EA | THRESHOLD, 1/2" | 655A | A | ZER |
| 1 | EA | CREDENTIAL READER | BY ACCESS CONTROL INTEGRATOR | | B/O |
| 1 | EA | POWER SUPPLY | BY DIV 28 | | B/O |
| 2 | EA | DOOR CONTACT | BY DIV 28 | | B/O |

DOOR(S) NORMALLY CLOSED AND LOCKED. PRESENTING VALID CREDENTIAL TO READER RETRACTS EXIT DEVICE LATCH, ALLOWING ACCESS. EXIT DEVICE LATCH ALSO CAPABLE OF BEING ELECTRONICALLY DOGGED DOWN (I.E. PUSH/PULL MODE) AS DESIGNATED BY ACCESS CONTROL SYSTEM SCHEDULE. EXIT DEVICE LATCHES AND LOCKS WITH LOSS OF POWER. FREE EGRESS AT ALL TIMES.

HARDWARE GROUP NO. 30

For use on Door #(s):
EX-V111.2

Provide each OPENING with the following:

| QTY | | DESCRIPTION | CATALOG NUMBER | FINISH | MFR |
|-----|----|----------------------|----------------|--------|-----|
| 1 | EA | POWER TRANSFER | EPT10 | 689 | VON |
| 2 | EA | Blank Plate | #050589 | 628 | VON |
| 1 | EA | LATCH RETRACTION KIT | QEL KIT | | VON |
| 1 | EA | SWITCH | SWITCH KIT-RX | | VON |

BALANCE OF HARDWARE EXISTING TO REMAIN. VERIFY/COORDINATE PREPS ON EXISTING DOORS AND FRAMES. PROVIDE FIELD MODIFICATIONS AND/OR FILLERS TO EXISTING DOORS AND FRAMES AS NECESSARY TO ACCEPT NEW SPECIFIED HARDWARE.

DOOR(S) NORMALLY CLOSED AND LOCKED. PRESENTING VALID CREDENTIAL TO READER RETRACTS EXIT DEVICE LATCH, ALLOWING ACCESS. EXIT DEVICE LATCH ALSO CAPABLE OF BEING ELECTRONICALLY DOGGED DOWN (I.E. PUSH/PULL MODE) AS DESIGNATED BY ACCESS CONTROL SYSTEM SCHEDULE. EXIT DEVICE LATCHES AND LOCKS WITH LOSS OF POWER. FREE EGRESS AT ALL TIMES.

HARDWARE GROUP NO. 31

For use on Door #(s):
G105

Provide each OPENING with the following:

| QTY | | DESCRIPTION | CATALOG NUMBER | FINISH | MFR |
|-----|----|----------------------------------|---|--------|-----|
| 3 | EA | HINGE | 5BB1 SIZE, QTY, NRP AS REQ'D (SEE SPECS) | 652 | IVE |
| 1 | EA | PANIC HARDWARE | LD-99-L-NL-06 | 626 | VON |
| 1 | EA | PERMANENT CORE | 1C7*2 | 626 | BES |
| 1 | EA | RIM CYL HOUSING (SFIC) | 80-116 (W/ DISP CONST CORE) | 626 | SCH |
| 1 | EA | SURFACE CLOSER (W/ DEAD STOP) | 4040XP CUSH | 689 | LCN |
| 1 | EA | KICK PLATE | 8400 10" X 1 1/2" LDW B-CS | 630 | IVE |
| 1 | EA | GASKETING | 488SBK PSA | BK | ZER |

HARDWARE GROUP NO. 32

For use on Door #(s):

B107.1 B107.2

Provide each OPENING with the following:

| QTY | | DESCRIPTION | CATALOG NUMBER | FINISH | MFR |
|-----|----|----------------------------------|--|--------|-----|
| 1 | EA | CONT. HINGE | 224XY | 628 | IVE |
| 1 | EA | CONT. HINGE | 224XY EPT | 628 | IVE |
| 1 | EA | POWER TRANSFER | EPT10 | 689 | VON |
| 1 | EA | PANIC HARDWARE | LD-9950WDC-DT-LBL-SNB (9949 IF HMD) | 612 | VON |
| 1 | EA | ELEC PANIC HARDWARE | RX-QEL-9950WDC-NL-LBL-SNB 24 VDC (9949 IF HMD) | 612 | VON |
| 1 | EA | PERMANENT CORE | 1C7*2 | 612 | BES |
| 1 | EA | RIM CYL HOUSING (SFIC) | 80-116 (W/ DISP CONST CORE) | 612 | SCH |
| 2 | EA | ELEC OVERHEAD HOLDER | SEH 24V/120V AC/DC AS REQ (PULL SIDE) | 691 | LCN |
| 2 | EA | SURFACE CLOSER (W/ DEAD STOP) | 4040XP CUSH | 691 | LCN |
| 2 | EA | KICK PLATE | 8400 10" X 1" LDW B-CS | 612 | IVE |
| 2 | EA | SILENCER | SR64 | GRY | IVE |
| 1 | EA | CREDENTIAL READER | BY ACCESS CONTROL INTEGRATOR | | B/O |
| 1 | EA | POWER SUPPLY | BY DIV 28 | | B/O |
| 1 | EA | DOOR CONTACT | BY DIV 28 | | B/O |

DOORS NORMALLY HELD OPEN BY ELEC HOLDERS. DOORS CLOSE AND LOCK WITH ACTIVATION OF SECURITY SYSTEM OR LOSS OF POWER. DOORS CAN ALSO BE MANUALLY RELEASED FROM ELEC HOLDERS. WHEN DOORS ARE CLOSED AND LOCKED, PRESENTING VALID CREDENTIAL TO READER RETRACTS EXIT DEVICE LATCH, ALLOWING ACCESS. EXIT DEVICE LATCHES AND LOCKS WITH LOSS OF POWER OR WITH ACTIVATION OF SECURITY SYSTEM. FREE EGRESS AT ALL TIMES.

HARDWARE GROUP NO. 33

For use on Door #(s):
G106.2

Provide each OPENING with the following:

| QTY | | DESCRIPTION | CATALOG NUMBER | FINISH | MFR |
|-----|----|----------------------------------|---|--------|-----|
| 2 | EA | CONT. HINGE | 224XY EPT | 628 | IVE |
| 2 | EA | POWER TRANSFER | EPT10 | 689 | VON |
| 2 | EA | ELEC FIRE EXIT HARDWARE | RX-9950WDC-L-F-M996-06-FSE- ALK-LBL-SNB (9949 IF HMD) | 626 | VON |
| 2 | EA | PERMANENT CORE | 1C7*2 | 626 | BES |
| 2 | EA | RIM CYL HOUSING (SFIC) | 80-116 (W/ DISP CONST CORE) | 626 | SCH |
| 2 | EA | SURFACE CLOSER (W/ DEAD STOP) | 4040XP CUSH | 689 | LCN |
| 2 | EA | KICK PLATE | 8400 10" X 1" LDW B-CS | 630 | IVE |
| 1 | EA | GASKETING | 488SBK PSA | BK | ZER |
| 1 | EA | GASKETING, MEETING STILE | 5070 | BK | NGP |
| 1 | EA | CREDENTIAL READER | BY ACCESS CONTROL INTEGRATOR | | B/O |
| 1 | EA | POWER SUPPLY | BY DIV 28 | | B/O |
| 2 | EA | DOOR CONTACT | BY DIV 28 | | B/O |

DOOR NORMALLY CLOSED AND LOCKED AND PANIC BAR ALARM ARMED. ON PULL SIDE, PRESENTING VALID CREDENTIAL TO READER WILL UNLOCK OUTSIDE LEVER, TEMPORARILY DISARM ALARM, AND ALLOW ACCESS. ON PUSH SIDE, DEPRESSING PANIC DEVICE TOUCHBAR WILL SOUND INTERNAL HORN INDICATING UNAUTHORIZED USE OF THE OPENING. ALARM CAN BE ARMED OR DISARMED BY KEYED CYLINDER. DOOR REMAINS LOCKED ON PULL SIDE WITH LOSS OF POWER. ALARM IS DISARMED WITH LOSS OF POWER. FREE EGRESS AT ALL TIMES.

HARDWARE GROUP NO. 34

For use on Door #(s):
E-101

Provide each OPENING with the following:

| QTY | | DESCRIPTION | CATALOG NUMBER | FINISH | MFR |
|-----|----|------------------------|--|--------|-----|
| 2 | EA | CONT. HINGE | 224XY | 628 | IVE |
| 1 | EA | PANIC HARDWARE | CD-9950WDC-DT-LBL-SNB (9949 IF HMD) | 612 | VON |
| 1 | EA | PANIC HARDWARE | CD-9950WDC-NL-LBL-SNB (9949 IF HMD) | 612 | VON |
| 1 | EA | PERMANENT CORE | 1C7*2 | 612 | BES |
| 1 | EA | RIM CYL HOUSING (SFIC) | 80-116 (W/ DISP CONST CORE) | 612 | SCH |
| 2 | EA | SURFACE CLOSER | 4040XP EDA | 691 | LCN |
| 2 | EA | KICK PLATE | 8400 10" X 1" LDW B-CS | 612 | IVE |
| 2 | EA | WALL STOP/HOLDER | WS20/WS20X | 612 | IVE |
| 2 | EA | SILENCER | SR64 | GRY | IVE |

HARDWARE GROUP NO. 35

For use on Door #(s):

E-108 V-108.1

Provide each OPENING with the following:

| QTY | | DESCRIPTION | CATALOG NUMBER | FINISH | MFR |
|-----|----|---------------------------------------|--|--------|-----|
| 2 | EA | CONT. HINGE | 224XY | 628 | IVE |
| 1 | EA | PANIC HARDWARE | CD-9950WDC-DT-LBL-SNB (9949 IF HMD) | 612 | VON |
| 1 | EA | PANIC HARDWARE | CD-9950WDC-NL-LBL-SNB (9949 IF HMD) | 612 | VON |
| 1 | EA | PERMANENT CORE | 1C7*2 | 612 | BES |
| 1 | EA | RIM CYL HOUSING (SFIC) | 80-116 (W/ DISP CONST CORE) | 612 | SCH |
| 2 | EA | SURFACE CLOSER (W/ DEAD STOP & HO) | 4040XP HCUSH | 691 | LCN |
| 2 | EA | KICK PLATE | 8400 10" X 1" LDW B-CS | 612 | IVE |
| 2 | EA | SILENCER | SR64 | GRY | IVE |

HARDWARE GROUP NO. 36

For use on Door #(s):

AC200 BC200 CA000

Provide each OPENING with the following:

| QTY | | DESCRIPTION | CATALOG NUMBER | FINISH | MFR |
|-----|----|----------------------------------|--|--------|-----|
| 2 | EA | CONT. HINGE | 224XY | 628 | IVE |
| 1 | EA | PANIC HARDWARE | LD-9950WDC-DT-LBL-SNB (9949 IF HMD) | 612 | VON |
| 1 | EA | PANIC HARDWARE | LD-9950WDC-NL-LBL-SNB (9949 IF HMD) | 612 | VON |
| 1 | EA | PERMANENT CORE | 1C7*2 | 612 | BES |
| 1 | EA | RIM CYL HOUSING (SFIC) | 80-116 (W/ DISP CONST CORE) | 612 | SCH |
| 2 | EA | ELEC OVERHEAD HOLDER | SEH 24V/120V AC/DC AS REQ (PULL SIDE) | 691 | LCN |
| 2 | EA | SURFACE CLOSER (W/ DEAD STOP) | 4040XP CUSH | 691 | LCN |
| 2 | EA | KICK PLATE | 8400 10" X 1" LDW B-CS | 612 | IVE |
| 2 | EA | SILENCER | SR64 | GRY | IVE |
| 1 | EA | POWER SUPPLY | BY DIV 28 | | B/O |

DOORS NORMALLY HELD OPEN BY ELEC HOLDERS. DOORS CLOSE AND LOCK WITH ACTIVATION OF SECURITY SYSTEM OR LOSS OF POWER. DOORS CAN ALSO BE MANUALLY RELEASED FROM ELEC HOLDERS. FREE EGRESS AT ALL TIMES.

HARDWARE GROUP NO. 37

For use on Door #(s):

GC100.2 EX-GC101.2 GC101.1

Provide each OPENING with the following:

| QTY | | DESCRIPTION | CATALOG NUMBER | FINISH | MFR |
|-----|----|----------------------------------|--|--------|-----|
| 2 | EA | CONT. HINGE | 224XY | 628 | IVE |
| 1 | EA | PANIC HARDWARE | LD-9950WDC-DT-LBL-SNB (9949 IF HMD) | 626 | VON |
| 1 | EA | PANIC HARDWARE | LD-9950WDC-NL-LBL-SNB (9949 IF HMD) | 626 | VON |
| 1 | EA | PERMANENT CORE | 1C7*2 | 626 | BES |
| 1 | EA | RIM CYL HOUSING (SFIC) | 80-116 (W/ DISP CONST CORE) | 626 | SCH |
| 2 | EA | ELEC OVERHEAD HOLDER | SEH 24V/120V AC/DC AS REQ (PULL SIDE) | 689 | LCN |
| 2 | EA | SURFACE CLOSER (W/ DEAD STOP) | 4040XP CUSH | 689 | LCN |
| 2 | EA | KICK PLATE | 8400 10" X 1" LDW B-CS | 630 | IVE |
| 2 | EA | SILENCER | SR64 | GRY | IVE |
| 1 | EA | POWER SUPPLY | BY DIV 28 | | B/O |

DOORS NORMALLY HELD OPEN BY ELEC HOLDERS. DOORS CLOSE AND LOCK WITH ACTIVATION OF SECURITY SYSTEM OR LOSS OF POWER. DOORS CAN ALSO BE MANUALLY RELEASED FROM ELEC HOLDERS. FREE EGRESS AT ALL TIMES.

HARDWARE GROUP NO. 38

For use on Door #(s):

G106.1

Provide each OPENING with the following:

| QTY | | DESCRIPTION | CATALOG NUMBER | FINISH | MFR |
|-----|----|----------------------------------|---|--------|-----|
| 2 | EA | CONT. HINGE | 224XY | 628 | IVE |
| 2 | EA | FIRE EXIT HARDWARE | 9950WDC-L-F-06-LBL-SNB (9949 IF HMD) | 626 | VON |
| 2 | EA | PERMANENT CORE | 1C7*2 | 626 | BES |
| 2 | EA | RIM CYL HOUSING (SFIC) | 80-116 (W/ DISP CONST CORE) | 626 | SCH |
| 2 | EA | SURFACE CLOSER (W/ DEAD STOP) | 4040XP CUSH | 689 | LCN |
| 2 | EA | KICK PLATE | 8400 10" X 1" LDW B-CS | 630 | IVE |
| 1 | EA | GASKETING | 488SBK PSA | BK | ZER |
| 1 | EA | GASKETING, MEETING STILE | 5070 | BK | NGP |

HARDWARE GROUP NO. 39

For use on Door #(s):

E101A G106A.2

Provide each OPENING with the following:

| QTY | | DESCRIPTION | CATALOG NUMBER | FINISH | MFR |
|-----|----|-------------------------------|-----------------------------|--------|-----|
| 1 | EA | PERMANENT CORE | 1C7*2 | 626 | BES |
| 1 | EA | MORTISE CYL HOUSING (SFIC) | 80-110 (W/ DISP CONST CORE) | 626 | SCH |

VERIFY EXACT CYLINDER TYPE & FINISH REQUIRED. BALANCE OF HARDWARE BY DOOR MANUFACTURER.

HARDWARE GROUP NO. 40

For use on Door #(s):

C200A C200B C200C C200D C200F C200G
C200J

Provide each OPENING with the following:

| QTY | | DESCRIPTION | CATALOG NUMBER | FINISH | MFR |
|-----|----|-------------------------------|-----------------------------|--------|-----|
| 1 | EA | PERMANENT CORE | 1C7*2 | 612 | BES |
| 1 | EA | MORTISE CYL HOUSING (SFIC) | 80-110 (W/ DISP CONST CORE) | 612 | SCH |

VERIFY EXACT CYLINDER TYPE & FINISH REQUIRED. BALANCE OF HARDWARE BY DOOR MANUFACTURER.

END OF SECTION

MSD Washington Township Operation Service Center



Temperature Control Services
 108 N MAIN
 ADVANCE, INDIANA 46102
 PHONE: 765.481.8510
 E-MAIL: NATHAN@TCSBAS.COM

| Drawing Number: | Title: | Current Revision: |
|-----------------|---|--------------------|
| TITLE-01 | Title Page | Design Review DR.0 |
| GEN-01 | Installation Standards - Legend | Design Review DR.0 |
| GEN-02 | Installation Standards - Electrical | Design Review DR.0 |
| GEN-03 | Installation Standards - Network | Design Review DR.0 |
| GEN-04 | Installation Standards - Mechanical | Design Review DR.0 |
| GEN-05 | Installation Standards - Wire & Cable Requirements | Design Review DR.0 |
| RISER-01 | Ethernet Network Drops | Design Review DR.0 |
| OSC-01 | Fan Coil Unit FCU-D1 Field Devices | Design Review DR.0 |
| OSC-02 | Fan Coil Unit FCU-D1 Point Tables & Sequence of Operation | Design Review DR.0 |
| OSC-03 | Fan Coil Unit FCU-D1 Panel - I/O Wiring | Design Review DR.0 |
| OSC-04 | Fan Coil Unit FCU-D1 Panel - Power & Network Wiring | Design Review DR.0 |
| OSC-05 | Fan Coil Unit FCU-D1 Panel - Dimensions & BOM | Design Review DR.0 |
| OSC-06 | Exhaust Fans EF-G2 & G3 Field Devices, Point Tables, & Sequence | Design Review DR.0 |
| OSC-07 | Exhaust Fans EF-G2 & G3 Panel - I/O Wiring | Design Review DR.0 |
| OSC-08 | Exhaust Fans EF-G2 & G3 Panel - Power & Network Wiring | Design Review DR.0 |
| OSC-09 | Exhaust Fans EF-G2 & G3 Panel - Dimensions & BOM | Design Review DR.0 |
| OSC-10 | Exhaust Fan EF-B1 Field Devices & Sequence of Operation | Design Review DR.0 |
| OSC-11 | BAS Alarm Annunciator Panel Layout | Design Review DR.0 |
| OSC-12 | Annunciator Panel Sequence of Operation | Design Review DR.0 |
| OSC-13 | Annunciator Panel System 01 Panel - I/O Wiring (1 of 3) | Design Review DR.0 |
| OSC-14 | Annunciator Panel System 01 Panel - I/O Wiring (2 of 3) | Design Review DR.0 |
| OSC-15 | Annunciator Panel System 01 Panel - I/O Wiring (3 of 3) | Design Review DR.0 |
| OSC-16 | Annunciator Panel System 01 Panel - Power & Network Wiring | Design Review DR.0 |
| OSC-17 | Annunciator Panel System 01 Panel - Dimensions & BOM | Design Review DR.0 |
| SCH-01 | Consolidated BOM | Design Review DR.0 |
| SCH-02 | Label List & Valve Schedule | Design Review DR.0 |
| INST-01 | Installation Standards - Inputs (1 of 3) | Design Review DR.0 |
| INST-02 | Installation Standards - Inputs (2 of 3) | Design Review DR.0 |
| INST-03 | Installation Standards - Inputs (3 of 3) | Design Review DR.0 |
| INST-04 | Installation Standards - Outputs (1 of 3) | Design Review DR.0 |
| INST-05 | Installation Standards - Outputs (2 of 3) | Design Review DR.0 |
| INST-06 | Installation Standards - Outputs (3 of 3) | Design Review DR.0 |
| INST-07 | Installation Standards - Typical Third-Party Connections | Design Review DR.0 |

| UPDATES | |
|-----------|------------------|
| DATE | REMARKS |
| 8/22/2024 | ADDENDUM #1 |
| | ISSUED FOR CONST |
| | AS-BUILT |

| REVISIONS | |
|-----------|---------|
| DATE | REMARKS |
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JOB TITLE: Operation Service Center (OSC)
 LOCATION: MSD Washington Township, Indianapolis, IN
 ENGINEER: Temperature Control Services, LLC
 CONTRACT WITH: MSD Washington Township
 DATE: 8/16/2024 CHK. BY: _____ DRAWN BY: BSS

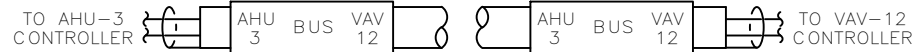
CONTRACT NO:

SHEET
 TITLE-01
 JOB NUMBER:
 J-2408004

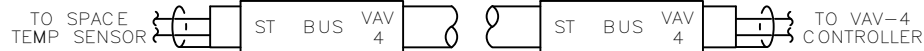
MS/TP BUS CABLE LABELING

1. THE LABELING SHOWN BELOW SHALL BE PROVIDED ON ALL MS/TP BUS CABLES RUNNING FROM ONE CONTROL PANEL TO ANOTHER, OR FROM A CONTROLLER TO A SPACE TEMPERATURE SENSOR. MS/TP BUS CABLES CONNECTING CONTROLLERS WITHIN A SINGLE CONTROL PANEL SHALL NOT BE LABELED.

– ON CABLES RUNNING BETWEEN CONTROL PANELS: EACH LABEL SHALL INDICATE THE NAMES OF THE CONTROLLERS CONNECTED AT EACH END OF THE CABLE. THE NAME PRINTED ON THE LEFT SIDE OF THE LABEL SHALL BE THE NAME OF THE CONTROLLER CONNECTED TO THE LEFT END OF THE CABLE & VICE-VERSA (SEE EXAMPLE BELOW). THE WORD "BUS" SHALL BE PRINTED NEAR THE MIDDLE OF THE LABEL TO IDENTIFY THE CABLE AS AN MS/TP BUS CABLE.



– ON CABLES RUNNING TO SPACE TEMPERATURE SENSORS: EACH LABEL SHALL INDICATE THE NAME OF THE CONTROLLER ON THE RIGHT SIDE AND THE LETTERS "ST" ON THE LEFT SIDE. THE CABLE SHALL BE INSTALLED AS SHOWN BELOW. THE WORD "BUS" SHALL BE PRINTED NEAR THE MIDDLE OF THE LABEL TO IDENTIFY THE CABLE AS AN MS/TP BUS CABLE.



2. EACH LABEL SHALL BE MADE OF TRANSPARENT VINYL FILM BACKED WITH AN ACRYLIC, PRESSURE-SENSITIVE ADHESIVE. THE LABEL MATERIAL SHALL BE OIL & SOLVENT RESISTANT WITH GOOD CONFORMABILITY & FLEXIBILITY. THE MEANS OF PRINTING ON THE LABEL SHALL RESULT IN A CLEARLY LEGIBLE, PERMANENT MARKING. LABELS SHALL REMAIN INTACT & CLEARLY LEGIBLE WHEN SUBJECTED TO ULTRAVIOLET LIGHT, EXTREME HUMIDITY & SURFACE TEMPERATURES FROM -40° F TO 150° F (-40° C TO 66° C).

3. EACH CABLE SHALL BE IDENTIFIED WITH (2) LABELS. A LABEL SHALL BE LOCATED WITHIN 18" OF EACH END OF THE CABLE & SHALL BE VISIBLE WITHIN THE CONTROL ENCLOSURE. THE SAME NOTATION THAT APPEARS ON THE LABEL SHALL BE MARKED ON THE COVER OF EACH JUNCTION BOX THAT THE CABLE PASSES THROUGH.

WIRING TERMINATION LEGEND - PANEL

- # = VDC TERMINATION AT CONTROL PANEL
- L## = VAC TERMINATION AT CONTROL PANEL
- 1## = 120-460VAC INTRA-PANEL TERMINATION
- 2##, 4## = 24VAC INTRA-PANEL TERMINATION
- 3##, 5## = 24VDC INTRA-PANEL TERMINATION

WIRING TERMINATION LEGEND - BACNet ID

XX ## (NOTE: LEADING ZEROS NOT USED)

INSTANCE NUMBER: FROM PANEL I/O = PHYSICAL CONNECTION NUMBER
 N* INSTANCE NUMBER INDICATES A NETWORK (SOFTWARE) POINT

I/O TYPE: AI=ANALOG INPUT, BI=BINARY INPUT, MI=MULTISTATE INPUT
 AO=ANALOG OUTPUT, BO=BINARY OUTPUT

DEVICE BASIC ADDRESS FROM SWITCH
 DEVICE BACNET ADDRESS = DEVICE SWITCH ADDRESS * DEVICE TYPE FACTOR

DEVICE TYPE: = AREA (FACTOR = 10000)
 = SYSTEM (FACTOR = 100)
 = SUBLAN (FACTOR = 1)
 = LINKNET DEVICE (BACNET ADDRESS USES HOSTPANEL_ID)

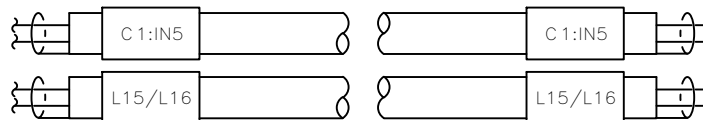
EXAMPLES:
 AREA DEVICE # 3, BINARY INPUT NUMBER 4: [BACNET ADDRESS = 30000.B14]
 LINKNET DEVICE # 2, BINARY INPUT NUMBER 3: [BACNET ADDRESS = HOSTPANEL_ID.B1203]

INPUT / OUTPUT WIRING STANDARDS

- ALL I/O CABLE SHALL MEET THE FOLLOWING SPECIFICATIONS:
 - STRANDED 18 GAUGE, TWISTED/SHIELDED-PAIR COPPER WIRE WITH 300 VOLT INSULATION
- PLENUM-RATED CABLE SHALL BE USED WHERE REQUIRED BY LOCAL OR NATIONAL CODES.
- I/O WIRING SHALL NOT BE RUN IN THE SAME CONDUIT AS A.C. POWER WIRING THAT CARRIES MORE THAN 24 VOLTS.
- WITHIN ANY CONTROL PANEL:
 - I/O WIRING SHALL NOT CROSS OVER A.C. POWER WIRING THAT CARRIES MORE THAN 24 VOLTS.
 - I/O WIRING SHALL NOT BE RUN IN THE SAME CABLE GROUP AS A.C. POWER WIRING THAT CARRIES MORE THAN 24 VOLTS.
- ONLY SHIELDED 24 VAC POWER WIRING SHALL BE ALLOWED TO CROSS OVER, RUN IN THE SAME CONDUIT, OR RUN IN THE SAME CABLE GROUP AS I/O WIRING.
- WHERE UNAVOIDABLE, I/O WIRING MAY BE LOCATED NO CLOSER THAN 6" AND SHOULD BE LOCATED AS FAR APART AS POSSIBLE FROM POWER WIRING CARRYING MORE THAN 24 VOLTS. AVOID RUNNING PARALLEL TO POWER WIRING ANY FURTHER THAN NECESSARY, CROSS POWER WIRING AT 90 DEGREE ANGLES ONLY IF REQUIRED.
- SHIELDS ON INPUT AND OUTPUT WIRING TO BE GROUNDED AT PANEL (OR CONTROLLER) LOCATION ONLY. THEY SHOULD BE TIED TO A TRUE EARTH GROUND.
- STRIP ONLY ENOUGH CABLE BACK TO ALLOW TERMINATION OF SHIELD AND WIRE.

INPUT / OUTPUT CABLE LABELING

1. THE LABELING SHOWN BELOW SHALL BE PROVIDED ON ALL I/O WIRING TO & FROM CONTROLLERS AND FIELD DEVICES. I/O WIRING CONTAINED WITHIN A CONTROL PANEL SHALL NOT BE LABELED. EACH LABEL SHALL INDICATE THE I/O WIRING TERMINATION AS SHOWN ON THE TEMPERATURE CONTROL DRAWINGS (SEE EXAMPLES BELOW).



2. EACH LABEL SHALL BE MADE OF TRANSPARENT VINYL FILM BACKED WITH AN ACRYLIC, PRESSURE-SENSITIVE ADHESIVE. THE LABEL MATERIAL SHALL BE OIL & SOLVENT RESISTANT WITH GOOD CONFORMABILITY & FLEXIBILITY. THE MEANS OF PRINTING ON THE LABEL SHALL RESULT IN A CLEARLY LEGIBLE, PERMANENT MARKING. LABELS SHALL REMAIN INTACT & CLEARLY LEGIBLE WHEN SUBJECTED TO ULTRAVIOLET LIGHT, EXTREME HUMIDITY & SURFACE TEMPERATURES FROM -40° F TO 150° F (-40° C TO 66° C).

3. EACH CABLE SHALL BE IDENTIFIED WITH (2) LABELS. A LABEL SHALL BE LOCATED WITHIN 18" OF EACH END OF THE CABLE & SHALL BE VISIBLE AT THE CONTROL PANEL OR FIELD DEVICE. THE SAME NOTATION THAT APPEARS ON THE LABEL SHALL BE MARKED ON THE COVER OF EACH JUNCTION BOX THAT THE CABLE PASSES THROUGH.

GENERAL ELECTRICAL STANDARDS

- ALL CURRENT SENSING DEVICES SHALL HAVE THE POWER WIRE LOOPED THROUGH THE SENSOR MULTIPLE TIMES, IF NECESSARY, TO PROVIDE AN AMPERAGE THAT IS WELL WITHIN THE RANGE OF THE SENSOR (REFER TO MANUFACTURER'S LITERATURE FOR AMPERAGE RANGE).
- ALL FIELD WIRING TO TERMINAL STRIPS IN CONTROL PANELS SHALL BE TERMINATED AT THE OUTERMOST TERMINALS. INNER TERMINALS OF TERMINAL STRIPS ARE RESERVED FOR INTERNAL WIRING TERMINATIONS.
- 120 VAC POWER WIRING SHALL ENTER ANY CONTROL PANEL AT THE UPPER RIGHT CORNER UNLESS OTHERWISE INDICATED.
- 240 VAC POWER WIRING SHALL ENTER ANY CONTROL PANEL AT THE LOWER LEFT CORNER UNLESS OTHERWISE INDICATED.
- THE GROUND WIRE CONNECTED TO ANY CONTROL PANEL MUST BE A CONTINUOUS CONDUCTOR BACK TO THE GROUND CONNECTION AT THE BREAKER PANEL. GROUNDING TO BUILDING STEEL IS NOT ACCEPTABLE.
- ALL JUMPER & DIP SWITCH CONFIGURATIONS SHOWN ON THE TEMPERATURE CONTROL DRAWINGS SHALL BE SET BY THE INSTALLER. IF NO SPECIFIC CONFIGURATION IS SHOWN FOR A DEVICE, NO CHANGE SHALL BE MADE TO THE DEFAULT SETTINGS.
- ALL FIELD WIRING THAT DIFFERS FROM THE WIRING SHOWN ON THE TEMPERATURE CONTROL DRAWINGS SHALL BE NOTED ON THE DRAWINGS (BY THE INSTALLER) WITH RED INK OR PENCIL. THE COMPLETE SET OF NOTED DRAWINGS SHALL BE PROVIDED TO THE PROJECT MANAGER UPON COMPLETION OF THE PROJECT OR SOONER UPON REQUEST.

ELECTRICAL NOTES

– ALL CONTROL DEVICES & WIRING SHALL BE INSTALLED IN ACCORDANCE WITH: MANUFACTURER'S INSTALLATION INSTRUCTIONS, AND INSTALLATION STANDARDS PROVIDED ON THE "INSTALLATION STANDARDS" SHEET.

– THESE DRAWINGS PROVIDE SCHEMATIC REPRESENTATIONS OF EQUIPMENT & FIELD DEVICES BASED ON THE BID PROPOSAL. ACTUAL INSTALLATION OF ALL CONTROL DEVICES IS SUBJECT TO FIELD VERIFICATION. ANY CHANGES THAT MAY RESULT IN A DEVIATION FROM THE GENERAL INTENT OF THE CONTROL SYSTEM DESIGN SHALL BE APPROVED BY THE DESIGNER PRIOR TO INSTALLATION.

– FIELD VERIFICATION OF WIRING TERMINATIONS REQUIRED.

– GROUND CIRCUIT MUST BE A CONTINUOUS PATH BACK TO THE BREAKER PANEL.

– ELECTRICAL NOTE: CONTROLLER GROUND CONNECTION MUST BE A COMPLETE PATH BACK TO BREAKER PANEL.

– REMOVE SHUNT JUMPER IF SHIELD IS GROUNDED DIRECTLY AT ANY OTHER POINT OR SHUNT IS INSTALLED AT OTHER END OF NETWORK.

– ADP-45-MSTP-TB-Y AND ADP-45-MSTP-Y BOARDS MAY BE FLUSH MOUNTED ONTO METAL PANELBOARDS WITHOUT AN INSULATOR BETWEEN THE TWO.

– FIELD DEVICES SHOULD ONLY BE GROUNDED IN THE CONTROL PANEL. DO NOT GROUND I/O WIRING IN BOTH THE FIELD AND THE PANEL.

– THESE DRAWINGS PROVIDE SCHEMATIC REPRESENTATIONS OF EQUIPMENT & FIELD DEVICES BASED ON THE CHILDREN'S EDUCATION ADDITION PROPOSAL. ACTUAL INSTALLATION OF ALL CONTROL DEVICES IS SUBJECT TO FIELD VERIFICATION. ANY CHANGES THAT MAY RESULT IN A DEVIATION FROM THE GENERAL INTENT OF THE CONTROL SYSTEM DESIGN SHALL BE APPROVED BY THE DESIGNER PRIOR TO INSTALLATION.

– SEE FIELD DEVICE TERMINATION DETAIL SHEET(S) FOR POINT WIRING REQUIREMENTS.

FROM BAPI:

– BAPI recommends using twisted pair of at least 22AWG and sealant filled connectors for all wire connections. Larger gauge wire may be required for long runs. All wiring must comply with the National Electric Code (NEC) and local codes.

Do NOT run this device's wiring in the same conduit as AC power wiring of NEC class 1, NEC class 2, NEC class 3 or with wiring used to supply highly inductive loads such as motors, contactors and relays. BAPI's tests show that fluctuating and inaccurate signal levels are possible when AC power wiring is present in the same conduit as the signal lines. If you are experiencing any of these difficulties, please contact your BAPI representative.



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| 8/22/2024 | ADDENDUM #1 |
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JOB TITLE: Operation Service Center (OSC)
 LOCATION: MSD Washington Township, Indianapolis, IN
 ENGINEER: Temperature Control Services, LLC
 CONTRACT WITH: MSD Washington Township
 DATE: 8/16/2024 CHK. BY: DRAWN BY: BSS

CONTRACT NO:

SHEET
 GEN-02
 JOB NUMBER:
 J-2408004

BACNET MS/TP, DELTA LINKNET & MODBUS-RTU (RS-485) BUS STANDARDS

1. THE RS-485 BUS SHIELD MUST BE KEPT SEPARATE FROM OTHER SHIELDS & MUST NOT BE GROUNDED. THE RS-485 BUS SHIELD SHALL BE PROTECTED FROM CONTACTING ANY SURFACE OTHER THAN THE TERMINATION BLOCK.
2. SPLICES IN RS-485 BUS WIRING ARE NOT ACCEPTABLE. RS-485 BUS WIRING SHALL BE TERMINATED ONLY AT A CONTROLLER, REPEATER, OR TRM-768: RS-485 LAN TERMINATOR.
3. THE BLACK WIRE IN AN RS-485 BUS CABLE SHALL ALWAYS BE CONNECTED TO THE (-) BUS TERMINAL ON THE DEVICE AT EACH END OF THE CABLE.
4. ALL 2-CONDUCTOR RS-485 BUS CABLE SHALL MEET THE FOLLOWING SPECIFICATIONS:
 - 22-24 GAUGE, SINGLE TWISTED-PAIR, TINNED, SHIELDED COPPER WIRE WITH GREEN JACKET
 - NOMINAL IMPEDANCE = 100-120 OHMS BETWEEN CONDUCTORS
 - CAPACITANCE < OR = TO 17 pF/FT BETWEEN GROUNDED CONDUCTOR & NEXT CONDUCTOR
 - ACCEPTABLE CABLE = BELDEN 9841, 82841 OR WINDY CITY WIRE 42002-S. (PLENUM-RATED)

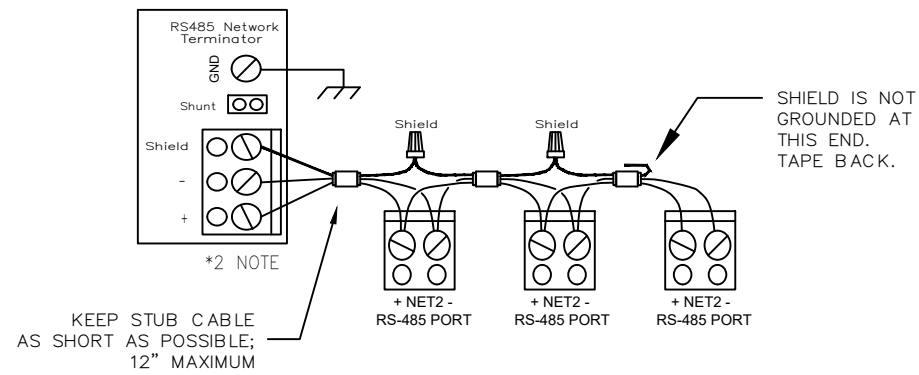
****APPROVAL OF EQUIVALENT CABLE IS REQUIRED PRIOR TO INSTALLATION****
5. PLENUM-RATED CABLE SHALL BE USED WHERE REQUIRED BY LOCAL OR NATIONAL CODES.
6. RS-485 BUS WIRING SHALL NOT BE RUN IN THE SAME CONDUIT AS A.C. POWER WIRING THAT CARRIES MORE THAN 24 VOLTS.
7. WITHIN ANY CONTROL PANEL:
 - RS-485 BUS WIRING SHALL NOT CROSS OVER A.C. POWER WIRING THAT CARRIES MORE THAN 24 VOLTS.
 - RS-485 BUS WIRING SHALL NOT BE RUN IN THE SAME CABLE GROUP AS A.C. POWER WIRING THAT CARRIES MORE THAN 24 VOLTS.
8. ONLY SHIELDED 24 VAC POWER WIRING SHALL BE ALLOWED TO CROSS OVER, RUN IN THE SAME CONDUIT, OR RUN IN THE SAME CABLE GROUP AS RS-485 BUS WIRING.

BACNET MS/TP, DELTA LINKNET & MODBUS-RTU (RS-485) BUS NOTES

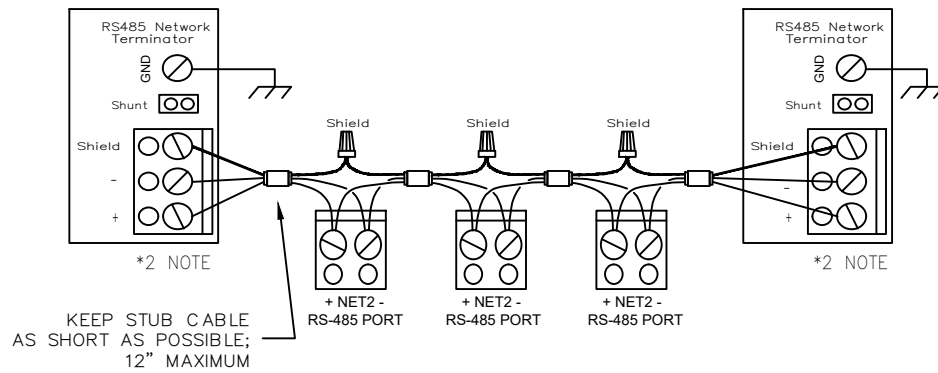
- EACH SEGMENT OF THE DZNT COMMUNICATION BUS CAN HAVE UP TO 50 DEVICES AND 2,000' TOTAL CAT5 CABLE LENGTH (COMBINED DISTANCE BETWEEN TERMINATION BOARDS AND FROM TERMINATION BOARD TO DZNT-TO-VAV (THE WALL MOUNTED DEVICE)) TO A MAXIMUM OF 99 DEVICES TOTAL.
 - TOTAL NETWORK LENGTH IS DETERMINED BY SUM OF CABLE LENGTHS BETWEEN TERMINATION BOARDS, PLUS THE SUM OF THE DROP CABLES BETWEEN TERMINATION BOARD AND THERMOSTAT.
 - IF ONLY 1 SEGMENT IS REQUIRED, AN ADP45-MSTP-TB-Y MAY BE USED INSTEAD OF AN ADP45-MSTP-Y.
 - THERE IS NO HARD LIMIT TO THE NUMBER OF BRANCHES CREATED BY ADP45-MSTP-Y CONNECTORS, PROVIDED TOTAL OF ALL BRANCHES IS WITHIN THE LENGTH AND DEVICE LIMIT FOR THE SEGMENT. DAISY CHAIN STRUCTURE IS MAINTAINED DUE TO THE DESIGN OF THE CABLING SYSTEM.
 - AFTER SPLITTING A NETWORK INTO TWO (2) BRANCHES, DO NOT RECOMBINE TO A SINGLE BRANCH AT THE OPPOSITE END OR NETWORK PROBLEMS WILL OCCUR.
 - LOOPBACK TERMINATION, ADP45-MSTP-ENDLOOP, MUST BE USED AT THE END OF EACH NETWORK BRANCH OR SEGMENT. NETWORK WILL CONTINUE TO FUNCTION IF ON LOOPBACK OR DEVICE IS REMOVED FROM THE NETWORK BUT DEVICES WILL DROP OFF THE NETWORK BETWEEN ANY TWO (2) REMOVED DZNT-TO-VAV OR ADP45-MSTP-LOOP.
 - 12" LENGTH OF NETWORK CABLE ATTACHED TO THE ADP45-MSTP-TB-Y IS MAXIMUM ALLOWED. TERMINATE GROUND LEAD TO GND ON THE CONTROLLER TO MAINTAIN NETWORK INTEGRITY.
 - CABLING IS DESIGNED TO USE STANDARD STRAIGHT-THROUGH UNSHIELDED TWISTED PAIR (UTP) CAT3 OR HIGHER CABLES (CAT5, CAT5e, CAT6) TO CONNECT BOXES TO BOXES, AND INDIVIDUAL BOXES TO THEIR THERMOSTATS.
 - CABLING IS DESIGNED TO MAINTAIN THE REQUIRED DAISY-CHAIN CONFIGURATION EVEN WITH THE USE OF NETWORK Y's.
- DO NOT EXCEED (64) NODES ON A NETWORK SEGMENT. THERE IS A MAXIMUM OF 99 NOTES ALLOWED ON A SINGLE RS-485 NETWORK. ANY MORE THAN (64) NODES ON A NETWORK REQUIRES THE USE OF A REPEATER!
 - DO NOT EXCEED 4,000 FEET (1,220 m) TOTAL LENGTH ON ANY SINGLE TWISTED PAIR RS-485 NETWORK SEGMENT.
 - DO NOT EXCEED 2,000 FEET (610 m) TOTAL LENGTH ON ANY SINGLE CAT5 RS-485 NETWORK SEGMENT.
 - DO NOT EXCEED (3) NODES ON A SINGLE LINKNET SEGMENT.
 - DO NOT EXCEED 100 FEET (30 m) TOTAL LENGTH ON ANY SINGLE LINKNET NETWORK.
 - SHIELD FOR RS-485 BUS MUST BE KEPT SEPARATE FROM OTHER SHIELDS AND FROM GROUND TERMINATIONS.
 - RS-485 BUS SHIELD MUST BE TIED THROUGH EACH NODE TO MAKE A CONTINUOUS SHIELD THAT RUNS THE ENTIRE LENGTH OF THE RS-485 SEGMENT. DO NOT CONNECT THE SHIELD TO GROUND AT THE NODE.
 - PROTECT FROM CONTACT WITH ANY SURFACE OTHER THAN THE TRM-768 TERMINAL BOARD OR DNZR-768 REPEATER.
 - COMMUNICATION WIRING MUST NOT BE SPLICED. ALL TERMINATIONS MUST OCCUR AT CONTROLLERS UNLESS SPECIFICALLY NOTED OTHERWISE.
 - BLACK COMMUNICATION WIRE SHALL ALWAYS BE CONNECTED TO (-) TERMINAL AT ALL CONTROLLERS.
 - REFER TO "INSTALLATION STANDARDS" SHEET FOR ACCEPTABLE CABLE SPECIFICATIONS AND WIRING PRACTICES.
 - ALL DEVICES CONNECTED TO THE RS-485 NETWORK MUST BE PROPERLY GROUNDED.
 - ALL DEVICES ON THE NETWORK MUST RUN AT THE SAME BAUD RATE.
- THE LAYOUTS REPRESENTED ARE EXAMPLES OF HOW THE NETWORK MAY BE CONFIGURED. THERE IS NO REQUIREMENT TO FOLLOW THESE PROPOSED LAYOUTS, OTHER THAN MAINTAINING THE GROUPING UNDER EACH SYSTEM CONTROLLER.
 - EACH APPLICATION CONTROLLER ON A GIVEN RS-485 BUS (UNDER EACH SYSTEM CONTROLLER) MUST HAVE UNIQUE ADDRESSING SET VIA THE DIP SWITCHES.

BACNET MS/TP, DELTA LINKNET & MODBUS-RTU (RS-485) BUS TERMINATIONS

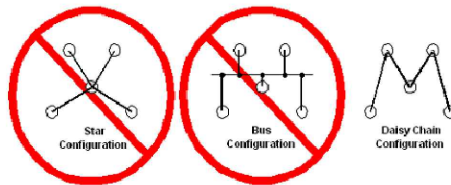
RS-485 TERMINATIONS USING ONE TRM-768 AND BUILT-IN TERMINATION



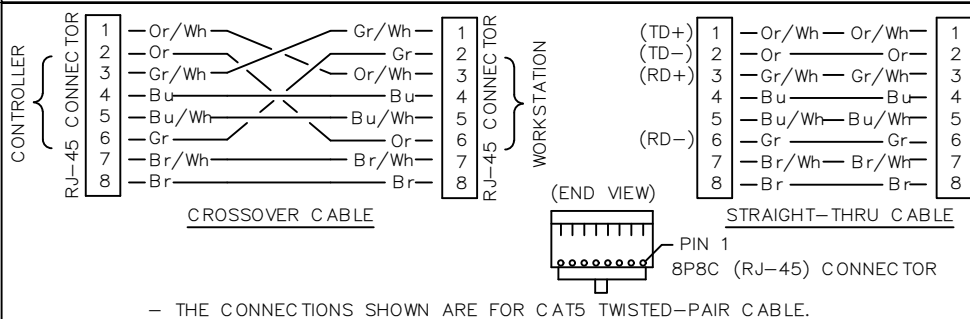
RS-485 TERMINATIONS USING TWO TRM-768s



ONLY A DAISY-CHAIN RS-485 MS/TP TOPOLOGY IS ALLOWED!

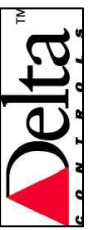


ETHERNET CABLE CONNECTIONS



ETHERNET CABLE STANDARDS

1. ALL ETHERNET CABLE SHALL MEET THE FOLLOWING SPECIFICATIONS:
 - 10/100-BASE-T: 22 OR 24 AWG, (4) TWISTED-PAIR, SOLID COPPER WIRE (CAT-5 EQUIV.)
 - MAX. SEGMENT LENGTH = 330 FT (100 m)
 - MAX. NETWORK LENGTH = 2,000 FT (610 m)
 - 10/100-BASE-F: 62.5/125 MICRON CABLE
 - MAX. SEGMENT LENGTH = 1,351 FT (412 m)
2. PLENUM-RATED CABLE SHALL BE USED WHERE REQUIRED BY LOCAL OR NATIONAL CODES.



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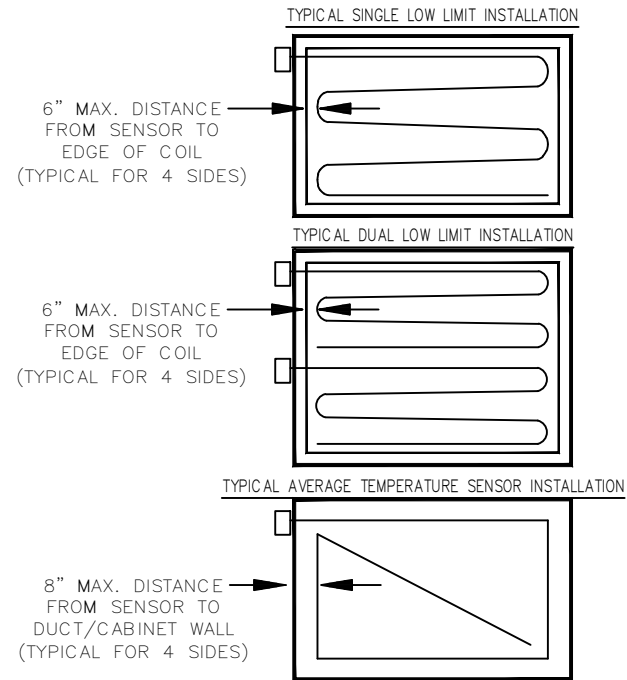
JOB TITLE: Operation Service Center (OSC)
 LOCATION: MSD Washington Township, Indianapolis, IN
 ENGINEER: Temperature Control Services, LLC
 CONTRACT WITH: MSD Washington Township
 DATE: 8/16/2024 CHK. BY: DRAWN BY: BSS

CONTRACT NO:
 SHEET
 GEN-03
 JOB NUMBER:
 J-2408004

GENERAL MECHANICAL STANDARDS

1. VALVE PORT DETAILS SHOWN ON THE TEMPERATURE CONTROL DRAWINGS DO NOT NECESSARILY INDICATE THE ACTUAL VALVE CONFIGURATION. REFER TO MANUFACTURER'S LITERATURE FOR ACTUAL VALVE PORT CONFIGURATION.
2. ALL LIQUID PRESSURE SENSORS SHALL BE INSTALLED ON VERTICAL PIPING OR BELOW THE CENTERLINE OF HORIZONTAL PIPING TO PREVENT AIR ENTRAPMENT AT THE SENSOR.

DUCT / COIL TEMPERATURE SENSOR INSTALLATION



- ALL SENSORS SHALL BE PROTECTED FROM DAMAGE AT THE POINT OF ENTRY INTO THE DUCT/CABINET. EACH SENSOR SHALL BE PROTECTED BY A RUBBER GROMMET, BUSHING, PLASTIC TUBING OR ELECTRICAL TAPE AT THE POINT OF ENTRY.
- ALL SENSORS SHALL BE SECURELY ANCHORED ALONG THE FULL LENGTH TO PREVENT DAMAGE CAUSED BY VIBRATION.

PNEUMATIC TERMINATION LEGEND

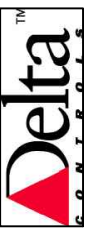
- = PNEUMATIC SIGNAL TERMINATION AT CONTROL PANEL
- = INTRA-PANEL PNEUMATIC SIGNAL TERMINATION
- = SUPPLY AIR TERMINATION AT CONTROL PANEL (## = PSI)
- = INTRA-PANEL SUPPLY AIR TERMINATION (## = PSI)

RED-LINE REQUIREMENTS

- ALL SUBCONTRACTORS ARE REQUIRED TO SUBMIT DETAILED RED-LINE MODIFICATIONS TO THESE PRINTS FOR INCLUSION IN THE AS-BUILT SET. RED-LINES MUST INCLUDE BUT ARE NOT NECESSARILY LIMITED TO:
1. ACCURATE EQUIPMENT LOCATIONS INDICATED ON FLOOR PLANS, INCLUDING ROOF MOUNTED EQUIPMENT RELATIVE TO THE UPPERMOST FLOOR IF NO ROOF PLAN IS PROVIDED.
 2. SENSOR LOCATIONS INDICATED ON FLOOR PLANS.
 3. EXACT MS/TP AND ETHERNET BUS WIRING CONFIGURATION SHOWN ON FLOOR PLANS (WHEN PROVIDED) AS WELL AS IN TABLE FORMAT.
 4. ALL WIRING AND EQUIPMENT CHANGES MADE ON ANY PORTION OF THE JOB.
 5. FOR JOBS WITH NO FLOOR PLANS, ALL EQUIPMENT (INCLUDING SENSORS) WILL BE NOTED WITH ROOM NAME AND NUMBER.
 6. ALL BACKUP BATTERY TABS ARE TO BE PULLED AT TIME OF CONTROLLER INSTALLATION.
 7. ALL CONTROLLER SERIAL NUMBERS ARE TO BE RECORDED BY INSTALLING CONTRACTOR AT TIME OF INSTALLATION. THIS INFORMATION IS TO BE PASSED TO TEMPERATURE CONTROL SERVICES, LLC., AS THE JOB PROGRESSES.

MECHANICAL NOTES

- NOT ALL PANELS MAY CONTAIN THE TRM-768 END-OF-LINE TERMINATION BOARD. SEE CONTROLLER WIRING AND/OR SCHEDULE SHEETS FOR DETAILS.
- VAV CONTROLLERS MAY OPERATE IN A STAND-ALONE CONFIGURATION. HOWEVER, THIS PROJECT CALLS FOR BUS COMMUNICATION BETWEEN CONTROLLERS.
- FOR CLARITY, NOT ALL FACTORY PROVIDED ELECTRICAL WIRING AND COMPONENTS WHICH INTERFACE WITH THIRD-PARTY CONTROLLERS ARE SHOWN. FIELD VERIFICATION OF INSTALLED COMPONENTS AND WIRING CONNECTIONS REQUIRED!
- ZONE PRESSURE SENSOR LOCATED IN CONTROL PANEL.
- *- DX UNITS WILL BE CONTROLLED BY FACTORY-PROVIDED ZONE SENSOR, WIRED TO FACTORY SUPPLIED CONTROLLERS. WIRING TO BE INSTALLED BY OTHERS.



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JOB TITLE: Operation Service Center (OSC)
 LOCATION: MSD Washington Township, Indianapolis, IN
 ENGINEER: Temperature Control Services, LLC
 CONTRACT WITH: MSD Washington Township
 DATE: 8/16/2024 CHK. BY: DRAWN BY: BSS

CONTRACT NO:

SHEET
 GEN-04
 JOB NUMBER:
 J-2408004

| Cable & Wire Requirements: | | | | | |
|----------------------------|------------|---|--------------------|---------------------------------------|---|
| | Circuit ID | Cable Type | Equal to | Max Cable Length | Wiring Precautions |
| RS-485 Network | A | 22-24 AWG twisted pair, shielded, jacketed communication cable | Belden 9841, 82841 | 4000 ft (1220 m) | - Braided or Aluminum foil shield, Impedance 100-200 Ω, Capacitance 17 pF/ft or less. - Use for BACNet MS/TP, LINKNet, V2 Subnet, ModBUS-RTU |
| Ethernet | B | 10/100 Base T, Cat5e, Cat6 | | no limit (w/ switches) | Follow IEEE 802.3 standards |
| Fiber Optic | C | Grade 3 (62.5/125μ) / Grade 4 (50/125μ), min 2 fiber, Multimode, SC connector | Belden FDxM006P0 | 1000 ft (550m) for Gigabit Ethernet | Suggest 4 or more fibers for redundancy in case of damage |
| 120 VAC | D | 3 conductor, 12 AWG, Copper | | | |
| 24 VAC / VDC | E | 2 conductor, 16 AWG, Copper | | | |
| 10k Ω / Dry Contact Input | F | 2 conductor 18 AWG | Belden 8461NH | 3900 ft (1200 m) | Ground only at controller input GND terminal |
| | G | 2 conductor 22 AWG | Belden 88442 | 1500 ft (450 m) | |
| 5 V Input | H | 2 conductor 22 AWG shielded | Belden 83552 | 100 ft (30 m) | Keep Cable Short Use dedicated shielded cable |
| | J | 2 conductor 20 AWG shielded | Belden 83602 | 330 ft (100 m) w/ 20 kΩ load resistor | |
| | K | 3 conductor 20 AWG shielded | Belden 8772 | | |
| 10 V Input | L | 3 conductor 18 AWG unshielded | Belden 88870 | 330 ft (100 m) | |
| 4-20mA Input | M | 2 conductor 18 AWG unshielded | Belden 8461NH | 3300 ft (1000 m) | |
| | N | 4 conductor 18 AWG unshielded | Belden 88489 | | |
| Digital Input | P | 2 conductor 18 AWG | Belden 8461NH | 3900 ft (1200 m) | |
| | Q | 2 conductor 22 AWG | Belden 88442 | 1500 ft (450 m) | |
| RTD Input | R | 2 conductor 18 AWG | Belden 8461NH | No practical limit | Ground only at controller input GND terminal |
| | S | 2 conductor 22 AWG | Belden 88442 | | |
| Analog 0-10 VDC Output | T | 2 conductor 18 AWG unshielded | Belden 8461NH | 330 ft (100 m) | |
| Analog 4-20mA Output | U | 2 conductor 18 AWG unshielded | Belden 8461NH | Depends upon Impedance | ft = 1000 (500 - end dev Imp) / 12.8 m = 1000 (500 - end dev Imp) / 42 |
| Binary Triac Output | V | 2 conductor 18 AWG unshielded | Belden 8461NH | 330 ft (100 m) | min turn-on current = 25 mA |
| Binary SS Relay Output | W | 2 conductor 18 AWG unshielded | Belden 8461NH | 330 ft (100 m) | No min turn-on current, max external Voltages: 28 VAC, 28 VDC |
| Binary Relay Output | X | 2 conductor 18 AWG unshielded | Belden 8461NH | 330 ft (100 m) | Max external Voltages: 28 VAC, 28 VDC |



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CONTRACT NO:
SHEET
GEN-05
JOB NUMBER:
J-2408004

ETHERNET NETWORK DROPS

| Ethernet Network Drops & Controller Data | | | | | | | | |
|--|-------------------|----------------|-----------|-----------|------------|-----|----------|---------|
| No: | System Name: | Existing Ctrl: | New Ctrl: | Location: | Device ID: | IP: | Gateway: | Subnet: |
| 1 | Annunciator Panel | N/A | eBMGR-2 | | | | | |
| 2 | AHU_F1A | b3814 | TBD | | | | | |
| 3 | AHU_C1 | b3814 | TBD | | | | | |
| 4 | AHU_C2 | b3814 | TBD | | | | | |
| 5 | AHU_C3 | b3814 | TBD | | | | | |
| 6 | AHU_C4 | b3814 | TBD | | | | | |
| 7 | AHU_C6 | b3814 | TBD | | | | | |
| 8 | AHU_D1 | b3814 | TBD | | | | | |
| 9 | AHU_D2 | b3814 | TBD | | | | | |
| 10 | AHU_D4 | b3814 | TBD | | | | | |
| 11 | HW.System | b3814 | TBD | | | | | |
| 12 | RefMonitor | b3814 | TBD | | | | | |
| 13 | AHU_E1 | b3814 | TBD | | | | | |
| 14 | AHU_E2 | b3814 | TBD | | | | | |
| 15 | AHU_E3 | b3814 | TBD | | | | | |
| 16 | AHU_E4 | b3814 | TBD | | | | | |
| 17 | AHU_E5 | b3814 | TBD | | | | | |
| 18 | AHU_E6 | b3814 | TBD | | | | | |
| 19 | AHU_A1 | b3920 | TBD | | | | | |
| 20 | AHU_A2 | b3920 | TBD | | | | | |
| 21 | AHU_A3 | b3920 | TBD | | | | | |
| 22 | AHU_A4 | b3920 | TBD | | | | | |
| 23 | AHU_B1 | b3920 | TBD | | | | | |
| 24 | AHU_B2 | b3920 | TBD | | | | | |
| 25 | AHU_B5 | b3920 | TBD | | | | | |
| 26 | AHU_F1B | b3920 | TBD | | | | | |
| 27 | AHU_F2 | b3920 | TBD | | | | | |
| 28 | TrueNorthOffice | b3920 | TBD | | | | | |
| 29 | AHU_B3 | b3920 | TBD | | | | | |
| 30 | AHU_B4 | b3920 | TBD | | | | | |
| 31 | AHU_C5 | b3920 | TBD | | | | | |
| 32 | AHU_D3 | b3920 | TBD | | | | | |
| 33 | CHW.Sys | b3920 | TBD | | | | | |
| 34 | NorthviewBacnet1 | bCX4040 | TBD | | | | | |
| 35 | NorthviewBacnet2 | bCX4040 | TBD | | | | | |
| 36 | NorthviewBacnet3 | bCX4040 | TBD | | | | | |

BILL OF MATERIALS

| TAG | ITEM NAME | VENDOR P/N | DESCRIPTION | QTY | MANUF | LOC |
|-----|----------------|------------|---|-----|----------------|--------|
| CS1 | eWEnt | 345713 | eWEnt enteliWEB Enterprise Software (Up to 5000 I/O) | 1 | Delta Controls | Office |
| CS2 | eWEnt-UnLtd | 345862 | eWEnt-UnLtd enteliWEB Unlimited I/O Point Add-on Software (Unlimited I/O to eWEnt versions) | 1 | Delta Controls | Office |
| CS3 | eWEnt-EV | 345801 | eWEnt-EV enteliVIZ Add-on Software (Add for eWEnt version) | 1 | Delta Controls | Office |
| CS4 | eWEnt-VLT | 346025 | eWEnt-VLT enteliVAULT Add-on Software (Add for eWEnt version) | 1 | Delta Controls | Office |
| CS5 | eWEnt-VLTUnLtd | 346028 | eWEnt-VLTUnLtd enteliVAULT Add-on Software (Add for eWEnt-UnLtd version) | 1 | Delta Controls | Office |
| CS6 | eWEnt-Sub | 345723 | eWEnt-Sub Software Subscription (Up to 1 year after expiry) | 1 | Delta Controls | Office |
| CS7 | eWEnt-SubUnLtd | 345864 | eWEnt-SubUnLtd Software Subscription (Up to 1 year after expiry) | 1 | Delta Controls | Office |
| CS8 | eWEnt-VLT-Sub | 346033 | eWEnt-VLT-Sub eWEnt-VLT enteliVAULT License Subscription | 1 | Delta Controls | Office |
| CS9 | VLTUnLtd-Sub | 346036 | VLTUnLtd-Sub eWEnt-VLTUnLtd enteliVAULT License Subscription | 1 | Delta Controls | Office |

NOTES:

- ALL SYSTEM CONTROL PANELS WILL HAVE A DEDICATED ETHERNET NETWORK DROP FROM THE SCHOOL'S NETWORK. INSTALL CAT 6a OR BETTER CABLE FROM PANEL TO DESIGNATED DROP.
- REFER TO ELECTRICAL AND TECHNOLOGY DESIGN DRAWINGS FOR LOCATIONS OF ALL EXISTING OR NEW SYSTEM CONTROL ENCLOSURES. UPDATE RISERS WITH CONFIRMED INSTALLATION LOCATIONS FOR INCLUSION IN AS-BUILT PRINTS.

BAS ETHERNET NETWORK DROPS



Temperature Control Services
 108 N MAIN
 ADVANCE, INDIANA 46102
 PHONE: 765.481.8510
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| UPDATES | |
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| DATE | REMARKS |
| 8/22/2024 | ADDENDUM #1 |
| | ISSUED FOR CONST |
| | AS-BUILT |

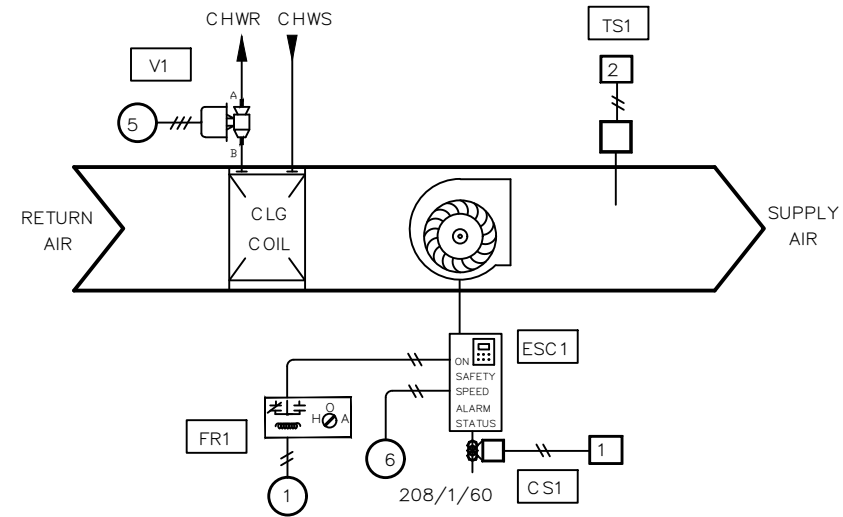
| REVISIONS | |
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JOB TITLE: Operation Service Center (OSC)
 LOCATION: MSD Washington Township, Indianapolis, IN
 ENGINEER: Temperature Control Services, LLC
 CONTRACT WITH: MSD Washington Township
 DATE: 8/16/2024 CHK. BY: DRAWN BY: BSS

CONTRACT NO:

SHEET
 RISER-01
 JOB NUMBER:
 J-2408004

FAN COIL UNIT FIELD DEVICES



eZNS-T100 SERIES ROOM SENSOR (LINKNET) (ST ONLY)

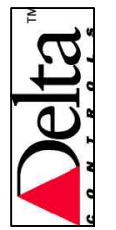
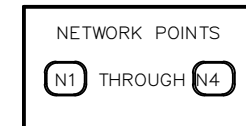


FAN COIL UNIT SCHEDULE

| IDENTITY DATA | | | FAN DATA | | | | ELECTRICAL DATA | | | | | NOTES |
|---------------|-------|---------|----------|-------|-----|------------|-----------------|----|-----------|---------|-----------|-------|
| MARK | MANUF | MODEL | CFM | SPEED | GPM | FLUID TYPE | VOLTS (V) | PH | FREQ (HZ) | FLA (A) | MOCAP (A) | |
| FCU-D1 | TRANE | BCHE036 | 1000 | HIGH | 8.0 | WATER | 115 | 1 | 60 | 13.3 | 25.0 | |

BILL OF MATERIAL

| TAG | ITEM NAME | VENDOR P/N | DESCRIPTION | QTY | MANUF | LOC |
|------|-------------------------|--------------|---|-----|--------------------|-------|
| CS1 | RIBXKTA | 403501 | RIBXKTA Solid Core, Adjustable Current Switch, 0.50-150 Amp, Terminal | 1 | Functional Devices | Field |
| ESC1 | Spd Ctrl (EBO) | N/A | Speed Controller (by others) | 1 | Others | Field |
| FR1 | RIB2401SBC | 403273 | RIB2401SBC Enclosed Relay 20 Amp SPDT + Override with 24 Vac/dc/120 Vac Coil | 1 | Functional Devices | Field |
| ST1 | eZNS-T100-ND-SM-000-WWG | 335353 | eZNS-T100-ND-SM-000-WWG enteliZONE Network Sensor (No Display, Temp, Surface) | 1 | Delta Controls | Field |
| TS1 | BA/10K-3-RPP-5' | 400411 | BA/10K-3-RPP-5' Remote Temp Probe, 5' Lead, Plenum Rated Cable | 1 | BAPI | Field |
| V1 | CW Valve | See Schedule | See Valve Sch for Details | 1 | Belimo | Field |



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| DATE | REMARKS |
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|-----------|---------|
| DATE | REMARKS |
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 LOCATION: MSD Washington Township, Indianapolis, IN
 ENGINEER: Temperature Control Services, LLC
 CONTRACT WITH: MSD Washington Township
 DATE: 8/16/2024 CHK. BY: DRAWN BY: BSS

CONTRACT NO:
 SHEET
 OSC-01
 JOB NUMBER:
 J-2408004

INPUTS

INPUTS - EZFCP-424R4-24

| CH. | BAC_ID | TAG | IN USE BY | DATA SHEET |
|-----|------------|-----|------------|------------|
| 1 | 1**xx.AI01 | CS1 | FAN STATUS | 1400 |
| 2 | 1**xx.DI02 | TS1 | DAT | 2008 |
| 3 | 1**xx.AI03 | | | |
| 4 | 1**xx.AI04 | | | |

OUTPUTS

OUTPUTS - EZFCP-424R4-24

| CH | BAC_ID | TAG | IN USE BY | DATA SHEET |
|----|------------|------|------------------|------------|
| 1 | 1**xx.D001 | C1 | FAN START / STOP | 127 |
| 2 | 1**xx.D002 | | | |
| 3 | 1**xx.D003 | | | |
| 4 | 1**xx.D004 | | | |
| 5 | 1**xx.A005 | V1 | CWV | 4406a |
| 6 | 1**xx.A006 | VFD1 | FAN SPEED | EBO |
| 7 | 1**xx.D007 | | | |
| 8 | 1**xx.D008 | | | |
| 9 | 1**xx.D009 | | | |
| 10 | 1**xx.D010 | | | |

NETWORK POINTS

LINKNET NETWORK POINTS - eZNS-T100

| CH. | BAC_ID | TAG | IN USE BY | DATA SHEET |
|-----|-----------|-----|-------------------|------------|
| LN1 | 1**xx.LN1 | ST1 | SPACE TEMP SENSOR | 132 |
| LN2 | 1**xx.LN2 | | | |
| LN3 | 1**xx.LN3 | | | |
| LN4 | 1**xx.LN4 | | | |

NETWORK POINTS

NETWORK POINTS

| CH. | BAC_ID | IN USE BY |
|-----|-----------|-------------------------|
| N1 | 1**xx.LN1 | FAN FAIL |
| N2 | 1**xx.LN2 | LOW DAT (<45 DEG. F) |
| N3 | 1**xx.LN3 | CHILLED WATER AVAILABLE |
| N4 | 1**xx.LN4 | OCCUPIED |
| N5 | 1**xx.LN5 | |

COOLING ONLY FAN COIL UNIT SEQUENCE OF OPERATION:

TCC SHALL FURNISH CONTROLS AND DEVICES SPECIFIED AND THE CIC SHALL MOUNT AND WIRE PER COORDINATION DRAWINGS. CIC SHALL FURNISH AND INSTALL CONTROL AND POWER WIRING FOR FIELD INSTALLATION OF TCC PROVIDED TEMPERATURE SENSOR. CIC SHALL ALSO PROVIDE AND INSTALL BACnet MS/TP DAISY-CHAIN CONNECTION PER TCC DIRECTION TO EACH CONTROLLER.

TCC SHALL PROGRAM LOGIC TO OPERATE EQUIPMENT PER THE FOLLOWING MODES: OCCUPIED ZONE CONTROL, UNOCCUPIED NIGHT SETUP, AND UNOCCUPIED.

SUPPLY FAN START/STOP: THE SUPPLY FAN (SF-C) WILL BE STARTED AND RUN CONTINUOUSLY WHEN IN COOLING MODE.

COOLING MODE: THE SUPPLY FAN SHALL RUN IF THE SPACE TEMPERATURE RISES 2 °F (ADJ) ABOVE THE SPACE TEMPERATURE SETPOINT AND STOP WHEN SPACE TEMPERATURE SETPOINT IS ACHIEVED. THE FAN SPEED SHALL BE MODULATED TO MAINTAIN SPACE TEMPERATURE AT SETPOINT WHEN OPERATING.

IF THE SUPPLY FAN STATUS (SF-S) DOES NOT MATCH THE COMMANDED VALUE, AN ALARM WILL BE GENERATED. WHEN THE SUPPLY FAN STATUS INDICATES THE FAN STARTED, THE CONTROL SEQUENCE WILL BE ENABLED. ANTI-SHORT CYCLE TIMER LOGIC SHALL PREVENT FAN OPERATION FROM STOPPING FOR A MINIMUM OF 10 MINUTES (ADJ).

ZONE CONTROL: THE COOLING VALVE (CLG-VLV) SHALL MODULATE IN COOLING MODE TO ACHIEVE THE DESIRED DISCHARGE AIR TEMPERATURE AND REMAIN CLOSED WHEN BELOW SPACE TEMPERATURE SETPOINT. THE DISCHARGE AIR TEMPERATURE SETPOINT SHALL BE RESET TO ACHIEVE 72 °F (ADJ) COOLING AT ALL TIMES.

DISCHARGE AIR TEMPERATURE CONTROL: THE DISCHARGE AIR TEMPERATURE SETPOINT SHALL BE RESET TO ACHIEVE 72 °F (ADJ) COOLING WITH A MINIMUM OF 55 °F (ADJ). USER SHALL BE ALLOWED TO ADJUST THE SETPOINT +/- 2 °F

UNOCCUPIED NIGHT SETUP MODE: WHEN THE BUILDING IS SCHEDULED FOR UNOCCUPIED MODE, THE UNIT WILL CYCLE AS NECESSARY TO MAINTAIN THE NIGHT SETUP ZONE TEMPERATURE AT SETPOINT OF 80 °F (ADJ). TCC LOGIC SHALL OPERATE THE EQUIPMENT NORMALLY UTILIZING UNOCCUPIED COOLING SETPOINT. TCC LOGIC SHALL ENSURE THAT A DIFFERENTIAL PREVENTS THE UNIT FROM CYCLING EXCESSIVELY.

SHUTDOWN: WHEN THE UNIT IS SHUTDOWN BY EITHER A STOP COMMAND OR SYSTEM SAFETY THE UNIT WILL BE SET AS FOLLOWS:
 SUPPLY FAN WILL BE OFF
 COOLING VALVE WILL CLOSE



Temperature Control Services
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UPDATES

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|-----------|------------------|
| 8/22/2024 | ADDENDUM #1 |
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| | ISSUED FOR CONST |
| | AS-BUILT |

REVISIONS

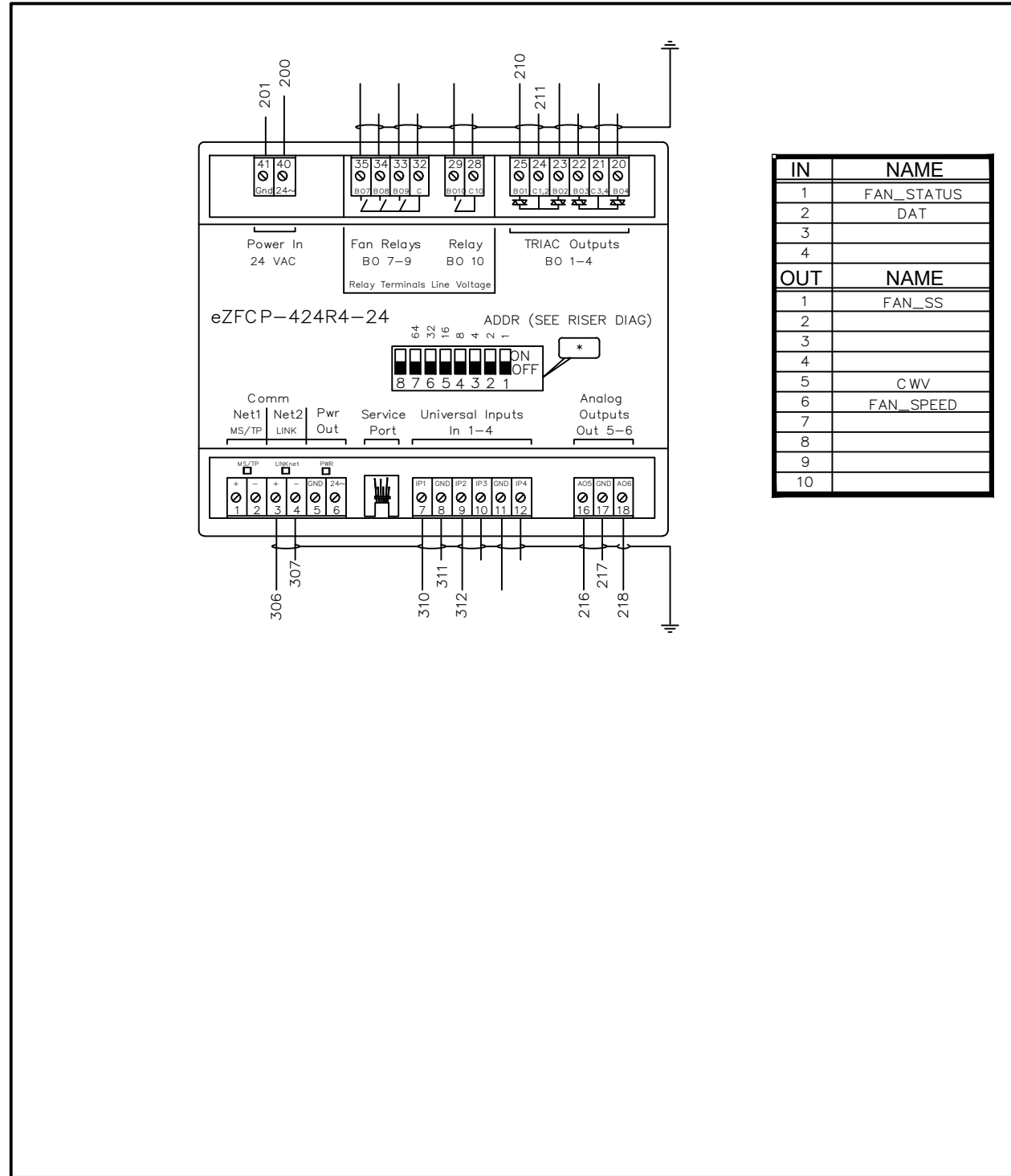
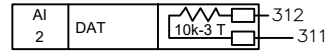
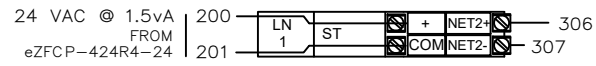
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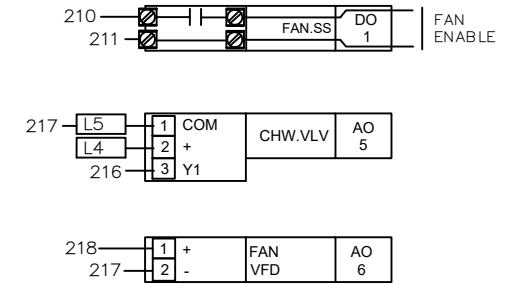
CONTRACT NO:

SHEET
 OSC-02
 JOB NUMBER:
 J-2408004

FAN COIL UNIT CONTROLS
(TYPICAL FOR 1)



| IN | NAME |
|-----|------------|
| 1 | FAN_STATUS |
| 2 | DAT |
| 3 | |
| 4 | |
| OUT | NAME |
| 1 | FAN_SS |
| 2 | |
| 3 | |
| 4 | |
| 5 | CWV |
| 6 | FAN_SPEED |
| 7 | |
| 8 | |
| 9 | |
| 10 | |



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| | AS-BUILT |

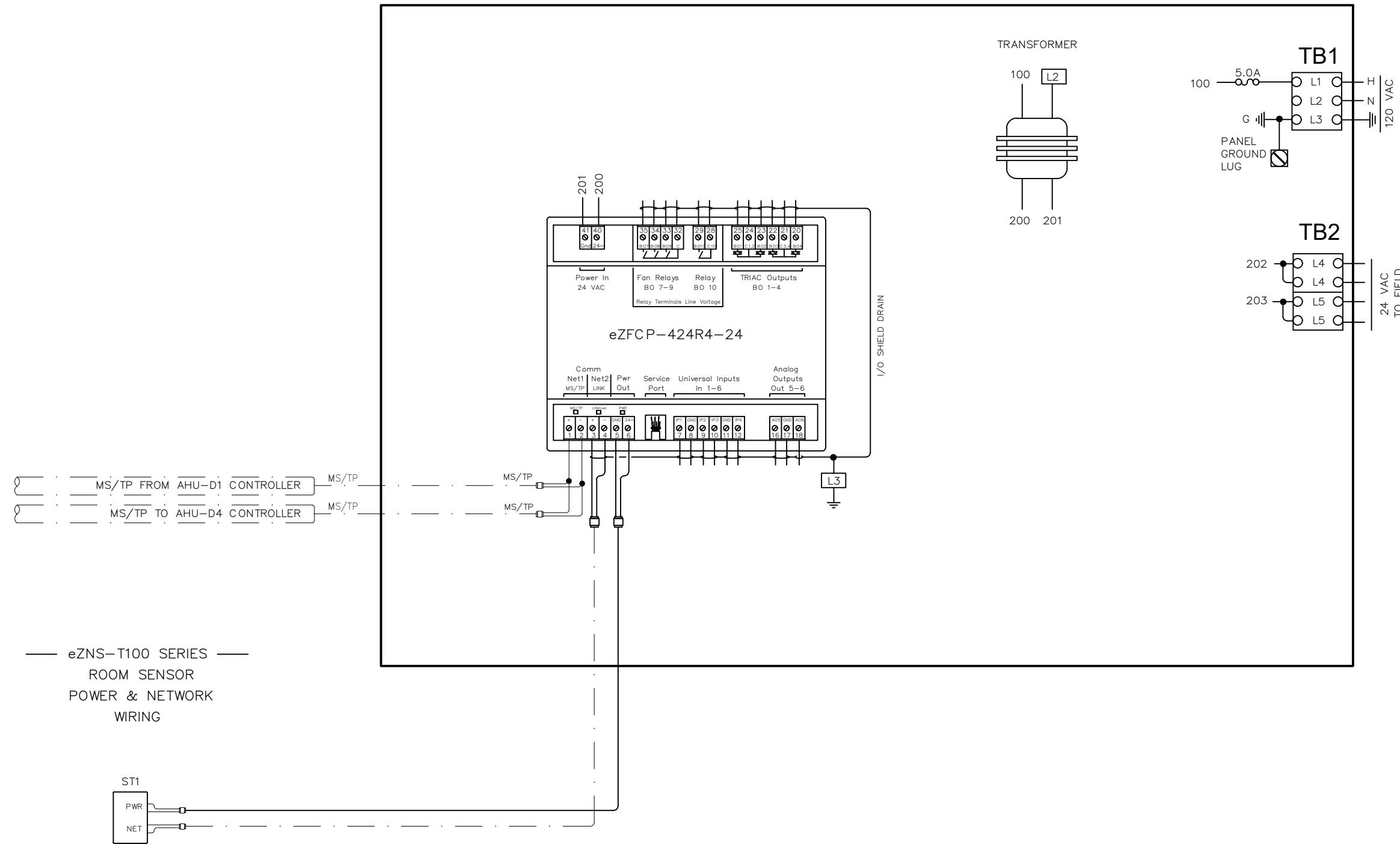
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| DATE | REMARKS |
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DATE: 8/16/2024 CHK. BY: DRAWN BY: BSS

CONTRACT NO:

SHEET
OSC-03
JOB NUMBER:
J-2408004

FCU-D1 — APPLICATION CONTROL PANEL
(TYPICAL FOR 1 PANEL)



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| DATE | REMARKS |
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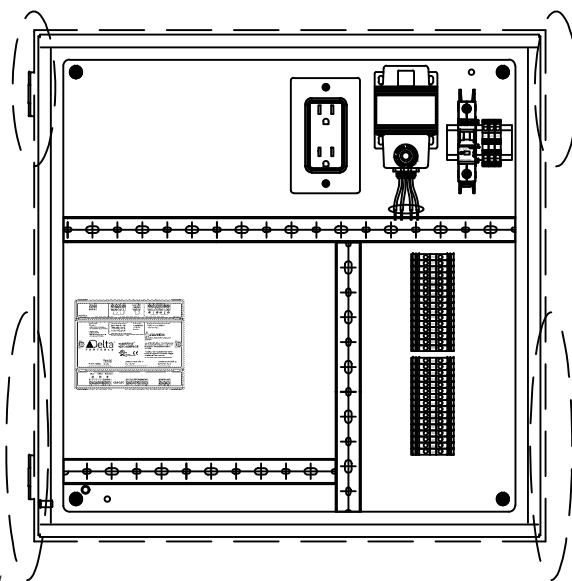
JOB TITLE: Operation Service Center (OSC)
LOCATION: MSD Washington Township, Indianapolis, IN
ENGINEER: Temperature Control Services, LLC
CONTRACT WITH: MSD Washington Township
DATE: 8/16/2024 CHK. BY: DRAWN BY: BSS

CONTRACT NO:
SHEET
OSC-04
JOB NUMBER:
J-2408004

APPLICATION CONTROL PANEL LAYOUT
(TYPICAL FOR 1 PANEL)

NO CONDUITS THROUGH THE TOP OF THE PANEL!

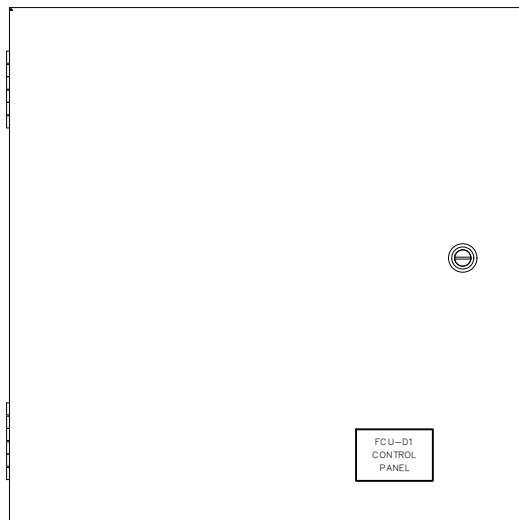
NETWORK CABLES
ENTER IN THIS
AREA



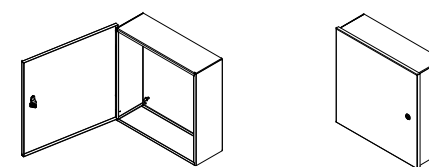
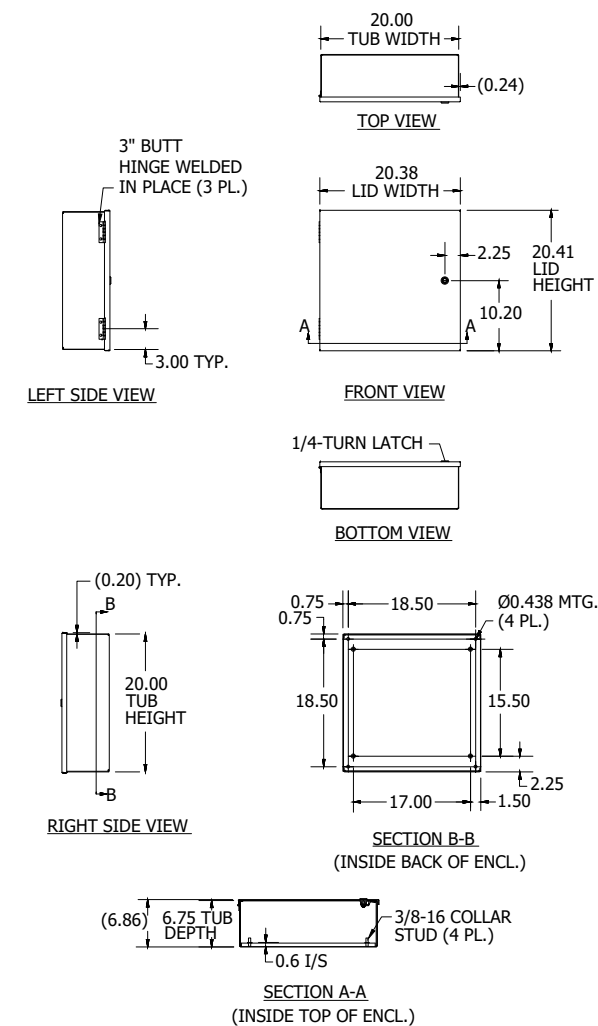
HIGH VOLTAGE FEEDS
ENTER IN THIS AREA

PNEUMATIC AND LOW
VOLTAGE FEEDS
ENTER IN THIS AREA

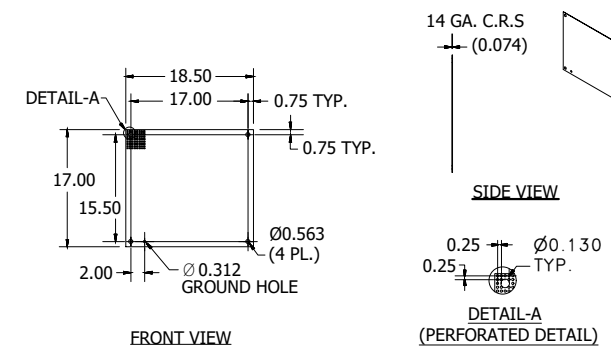
PNEUMATIC AND LOW
VOLTAGE FEEDS
ENTER IN THIS AREA



20" (W) x 20" (H)
ENCLOSURE DIMENSIONS



PANEL DIMENSIONS



BILL OF MATERIALS

| TAG | ITEM NAME | VENDOR P/N | DESCRIPTION | QTY | MANUF | LOC |
|------|----------------|------------|---|-----|--------------------|-------|
| C1 | eZFCP-424R4-24 | 323426 | eZFCP-424R4-24 enteliZONE Fan Coil Controller (24VAC Prog, 4UI, 2AO, 4TRIAC, 3 Fan and 1 aux relay) | 1 | Delta Controls | Panel |
| PNL1 | PNL-FCU | PNL-FCU | TCS Panel Build - FCU Terminal Dev Style | 1 | TCS | Panel |
| TX1 | TR75VA005 | 403599 | TR75VA005 Transformer 75VA, 480/240/208/120 to 24 Vac, Circuit Breaker, Foot & Single Threaded Hub | 1 | Functional Devices | Panel |



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UPDATES

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| | AS-BUILT |

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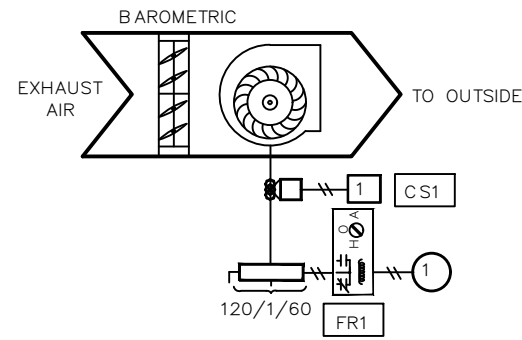
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JOB TITLE: Operation Service Center (OSC)
LOCATION: MSD Washington Township, Indianapolis, IN
ENGINEER: Temperature Control Services, LLC
CONTRACT WITH: MSD Washington Township
DATE: 8/16/2024 CHK. BY: DRAWN BY: BSS

CONTRACT NO:

SHEET
OSC-05
JOB NUMBER:
J-2408004

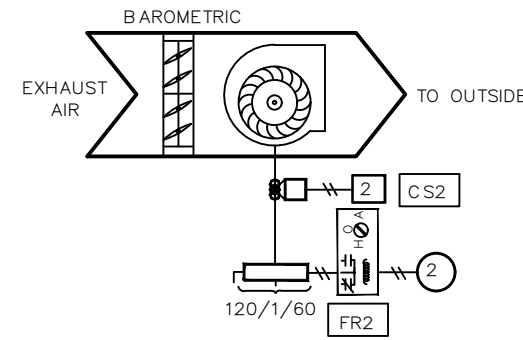
— EXHAUST FAN – BAS CONTROLLED —
EF-G2



EXHAUST FAN SEQUENCE OF OPERATION:

THE EXHAUST FAN SHALL BE STARTED ACCORDING TO THE OWNER-DEFINED SCHEDULE. IF THE EXHAUST FAN STATUS (EF-S) DOES NOT MATCH THE COMMANDED VALUE AFTER 180 SECONDS (ADJ), AN ALARM SHALL BE GENERATED.

— EXHAUST FAN – BAS CONTROLLED —
EF-G3



EXHAUST FAN SEQUENCE OF OPERATION:

THE EXHAUST FAN SHALL BE STARTED ACCORDING TO THE OWNER-DEFINED SCHEDULE. IF THE EXHAUST FAN STATUS (EF-S) DOES NOT MATCH THE COMMANDED VALUE AFTER 180 SECONDS (ADJ), AN ALARM SHALL BE GENERATED.

□ INPUTS

INPUTS - EZFCP-424R4-24

| CH. | BAC_ID | TAG | IN USE BY | DATA SHEET |
|-----|------------|-----|------------------|------------|
| 1 | 1**xx.AI01 | CS1 | EF-G2 FAN STATUS | 1400 |
| 2 | 1**xx.DI02 | CS2 | EF-G3 FAN STATUS | 1400 |
| 3 | 1**xx.AI03 | | | |
| 4 | 1**xx.AI04 | | | |

○ OUTPUTS

OUTPUTS - EZFCP-424R4-24

| CH | BAC_ID | TAG | IN USE BY | DATA SHEET |
|----|------------|-----|----------------------|------------|
| 1 | 1**xx.D001 | FR1 | EF-G2 FAN START/STOP | 3007 |
| 2 | 1**xx.D002 | FR2 | EF-G3 FAN START/STOP | 3007 |
| 3 | 1**xx.D003 | | | |
| 4 | 1**xx.D004 | | | |
| 5 | 1**xx.A005 | | | |
| 6 | 1**xx.A006 | | | |
| 7 | 1**xx.D007 | | | |
| 8 | 1**xx.D008 | | | |
| 9 | 1**xx.D009 | | | |
| 10 | 1**xx.D010 | | | |

○ NETWORK POINTS

NETWORK POINTS

| CH. | BAC_ID | IN USE BY |
|-----|-----------|-----------|
| N1 | 1**xx.LN1 | FAN FAIL |
| N2 | 1**xx.LN2 | OCCUPIED |
| N3 | 1**xx.LN3 | |

BILL OF MATERIAL

| TAG | ITEM NAME | VENDOR P/N | DESCRIPTION | QTY | MANUF | LOC |
|-------|------------|------------|--|-----|--------------------|-------|
| CS1-2 | RIBXKTA | 403501 | RIBXKTA Solid Core, Adjustable Current Switch, 0.50-150 Amp, Terminal | 2 | Functional Devices | Field |
| FR1-2 | RIB2401SBC | 403273 | RIB2401SBC Enclosed Relay 20 Amp SPDT + Override with 24 Vac/dc/120 Vac Coil | 2 | Functional Devices | Field |

NETWORK POINTS

○ N1 THROUGH ○ N2



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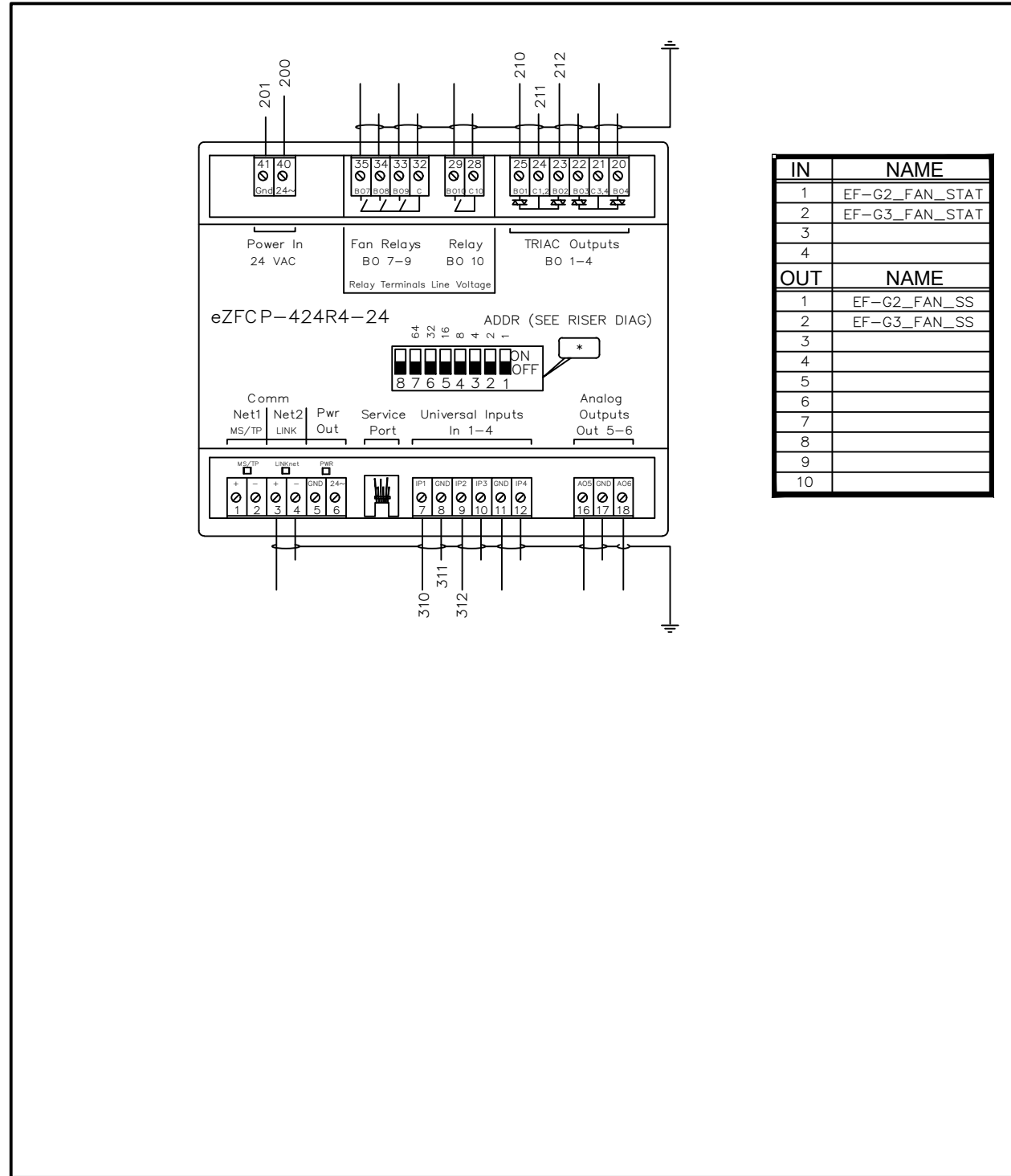
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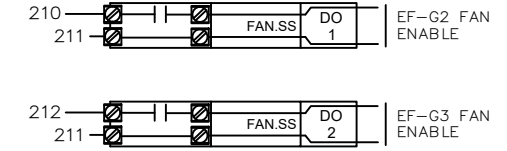
CONTRACT NO:

SHEET
OSC-06
JOB NUMBER:
J-2408004

EF-G2 & G3 UNIT CONTROLS
(TYPICAL FOR 1)



| IN | NAME |
|-----|----------------|
| 1 | EF-G2_FAN_STAT |
| 2 | EF-G3_FAN_STAT |
| 3 | |
| 4 | |
| OUT | NAME |
| 1 | EF-G2_FAN_SS |
| 2 | EF-G3_FAN_SS |
| 3 | |
| 4 | |
| 5 | |
| 6 | |
| 7 | |
| 8 | |
| 9 | |
| 10 | |



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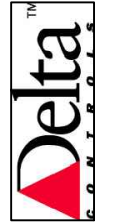
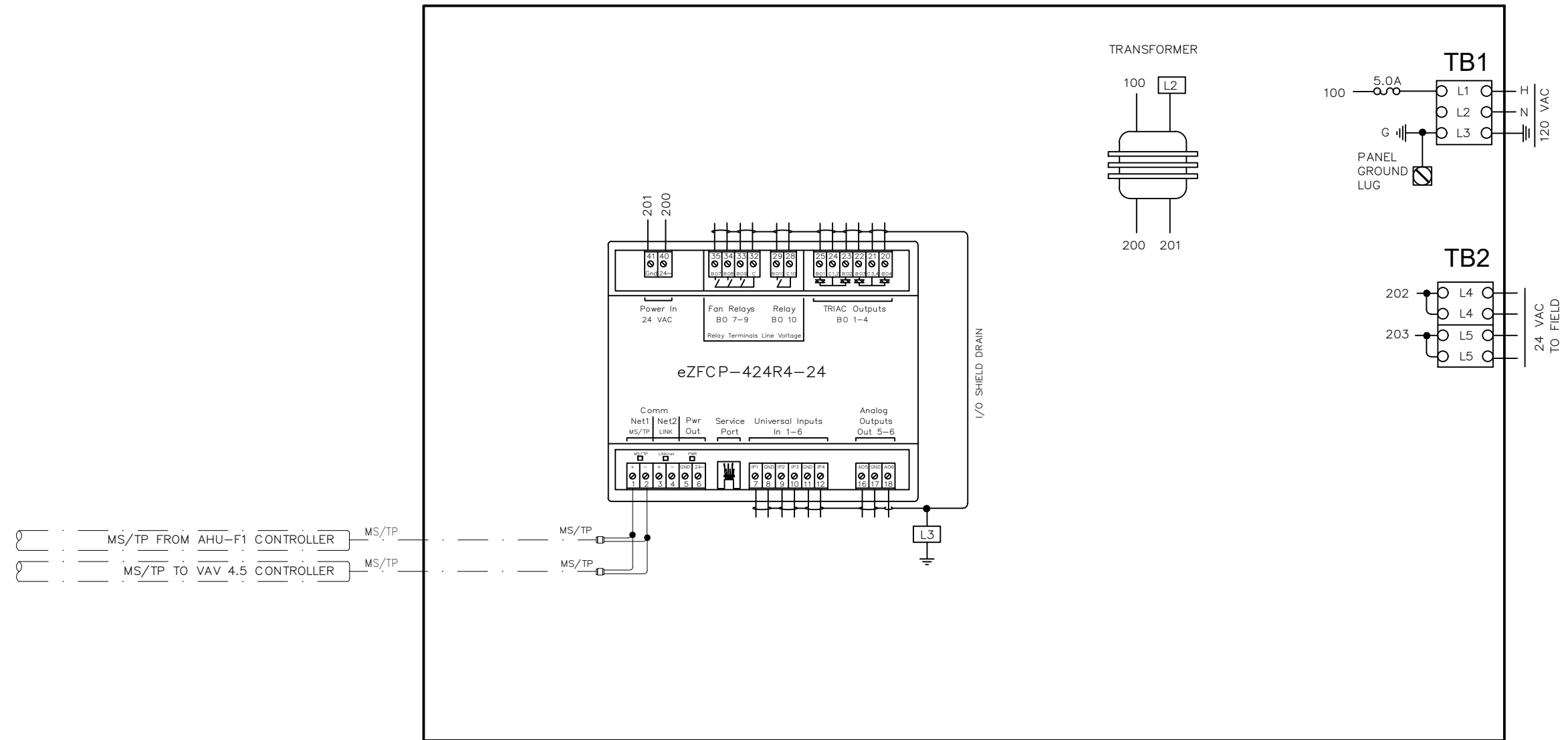
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CONTRACT NO:
SHEET
OSC-07
JOB NUMBER:
J-2408004

EF-G2 & G3 — APPLICATION CONTROL PANEL
(TYPICAL FOR 1 PANEL)



Temperature Control Services
108 N MAIN
ADVANCE, INDIANA 46102
PHONE: 765.481.8510
E-MAIL: NATHAN@TCSBAS.COM

| UPDATES | |
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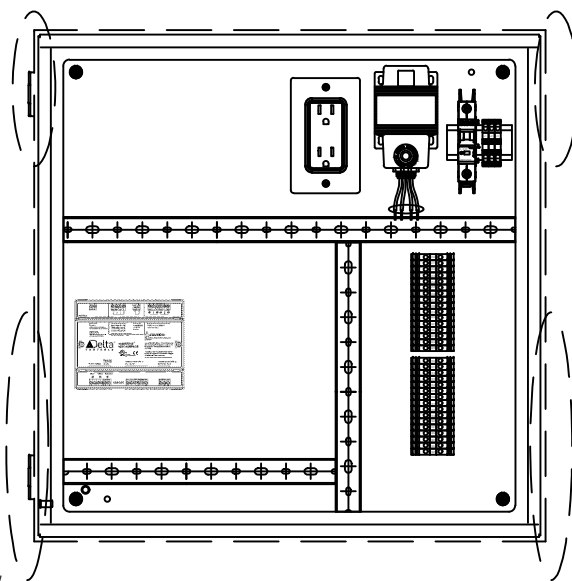
JOB TITLE: Operation Service Center (OSC)
LOCATION: MSD Washington Township, Indianapolis, IN
ENGINEER: Temperature Control Services, LLC
CONTRACT WITH: MSD Washington Township
DATE: 8/16/2024 CHK. BY: DRAWN BY: BSS

CONTRACT NO:
SHEET
OSC-08
JOB NUMBER:
J-2408004

APPLICATION CONTROL PANEL LAYOUT
(TYPICAL FOR 1 PANEL)

NO CONDUITS THROUGH THE TOP OF THE PANEL!

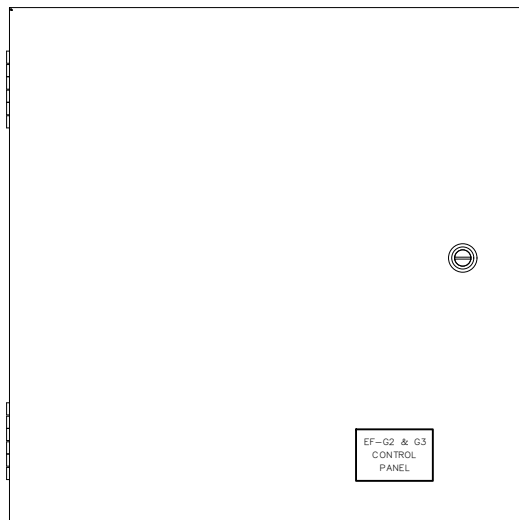
NETWORK CABLES
ENTER IN THIS
AREA



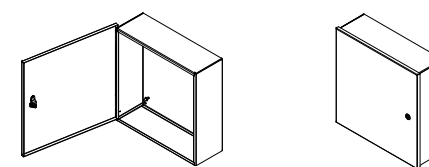
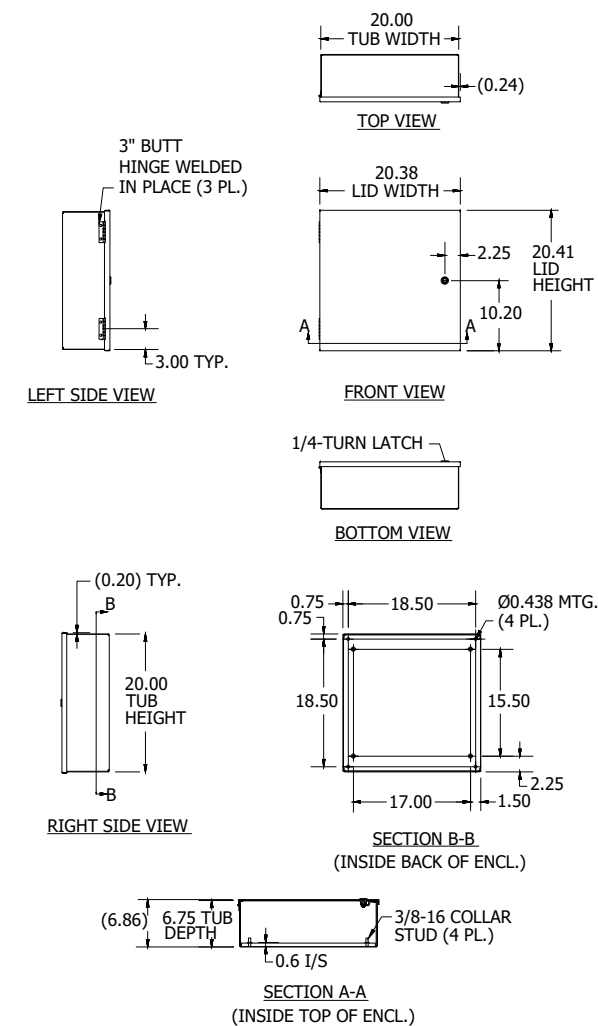
HIGH VOLTAGE FEEDS
ENTER IN THIS AREA

PNEUMATIC AND LOW
VOLTAGE FEEDS
ENTER IN THIS AREA

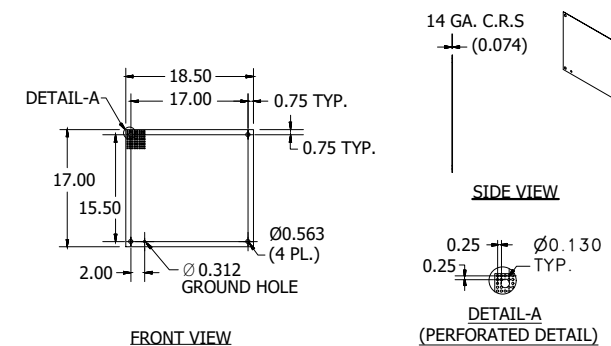
PNEUMATIC AND LOW
VOLTAGE FEEDS
ENTER IN THIS AREA



20" (W) x 20" (H)
ENCLOSURE DIMENSIONS



PANEL DIMENSIONS



BILL OF MATERIALS

| TAG | ITEM NAME | VENDOR P/N | DESCRIPTION | QTY | MANUF | LOC |
|------|----------------|------------|---|-----|--------------------|-------|
| C1 | eZFCP-424R4-24 | 323426 | eZFCP-424R4-24 enteliZONE Fan Coil Controller (24VAC Prog, 4UI, 2AO, 4TRIAC, 3 Fan and 1 aux relay) | 1 | Delta Controls | Panel |
| PNL1 | PNL-FCU | PNL-FCU | TCS Panel Build - FCU Terminal Dev Style | 1 | TCS | Panel |
| TX1 | TR75VA005 | 403599 | TR75VA005 Transformer 75VA, 480/240/208/120 to 24 Vac, Circuit Breaker, Foot & Single Threaded Hub | 1 | Functional Devices | Panel |



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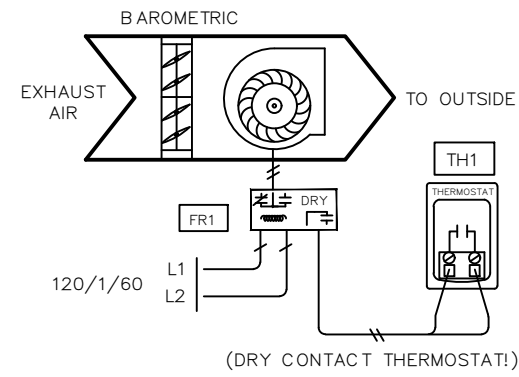
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— EXHAUST FAN — THERMOSTAT CTRL —
EF-B1



EXHAUST FAN SEQUENCE OF OPERATION:

THE EXHAUST FAN SHALL BE STARTED ACCORDING TO THE WALL MOUNTED THERMOSTAT. CONTROLS INSTALLATION CONTRACTOR SHALL SET ADJUSTABLE THERMOSTAT TO CONTROL SPACE TEMPERATURE TO 75 DEG. F. SEE ELECTRICAL DRAWINGS FOR DISCONNECT LOCATION INFORMATION.

BILL OF MATERIAL

| TAG | ITEM NAME | VENDOR P/N | DESCRIPTION | QTY | MANUF | LOC |
|-----|-----------|------------|---|-----|--------------------|-------|
| FR1 | RIB21CDC | 403264 | RIB21CDC Enclosed Relay 10 Amp SPDT, Class 2 Dry Contact Input, 120-277 Vac Power Input | 1 | Functional Devices | Field |
| TH1 | ETD9STS | 499713 | ETD9STS TSTAT-SPDT HEAT OR COOL/5090F/TERMINALS | 1 | Kele | Field |

NETWORK POINTS
N1 THROUGH N2



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BAS ALARM MONITORING

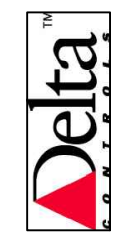


BAS ADDRESSABLE ALARM 1 (PLR33) | BAS ADDRESSABLE ALARM 2 (PLR34) | BAS ADDRESSABLE ALARM 3 (PLR35) | BAS ADDRESSABLE ALARM 4 (PLR36) | BAS ADDRESSABLE ALARM 5 (PLR37)

HOT WATER SYSTEM (PLG1, PLR1) | CHILL WATER SYSTEM (PLG2, PLR2) | REFRIGERANT MONITORING (PLG3, PLR3) | TRUE NORTH (PLG4, PLR4) | AHU-A1 (PLG5, PLR5) | AHU-A2 (PLG6, PLR6) | AHU-A3 (PLG7, PLR7) | AHU-A4 (PLG8, PLR8) | AHU-B1 (PLG9, PLR9) | AHU-B2 (PLG10, PLR10) | AHU-B3 (PLG11, PLR11) | AHU-B4 (PLG12, PLR12) | AHU-B5 (PLG13, PLR13) | AHU-C1 (PLG14, PLR14) | AHU-C2 (PLG15, PLR15) | AHU-C3 (PLG16, PLR16) | AHU-C4 (PLG17, PLR17) | AHU-C5 (PLG18, PLR18) | AHU-C6 (PLG19, PLR19) | AHU-D1 (PLG20, PLR20) | AHU-D2 (PLG21, PLR21) | AHU-D3 (PLG22, PLR22) | AHU-D4 (PLG23, PLR23) | AHU-E1 (PLG24, PLR24) | AHU-E2 (PLG25, PLR25) | AHU-E3 (PLG26, PLR26) | AHU-E4 (PLG27, PLR27) | AHU-E5 (PLG28, PLR28) | AHU-E6 (PLG29, PLR29) | AHU-F1A (PLG30, PLR30) | AHU-F1B (PLG31, PLR31) | AHU-F2 (PLG32, PLR32)



LIGHT TEST (SW1) | ALARM ACK (SW2)



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BILL OF MATERIALS

| TAG | ITEM NAME | VENDOR P/N | DESCRIPTION | QTY | MANUF | LOC |
|---------|--------------|------------|---|-----|-------------------|-------|
| BZR1 | Panel Buzzer | ECX2070-24 | Buzzer, 25mA, 24Vac/dc, 80dB | 1 | Automation Direct | Panel |
| PLG1-32 | AP8M122-G | 499694 | AP8M122-G PILOT LIGHT MINIATURE 8MM FLAT LENS ACDC 24V GREE LV, PDT | 32 | Kele | Panel |
| PLR1-37 | AP8M122-R | 499695 | AP8M122-R PILOT LIGHT MINIATURE 8MM FLAT LENS AC/DC 24V RED | 37 | Kele | Panel |
| SW1 | ABW111 | 499915 | ABW111 PUSH BUTTON 1NO 1NC MOMENTARY FLUSH -3 COLORS | 1 | Kele | Panel |
| SW2 | ABW111 | 499915 | ABW111 PUSH BUTTON 1NO 1NC MOMENTARY FLUSH -3 COLORS | 1 | Kele | Panel |

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 OSC-11
 JOB NUMBER:
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BUILDING MANAGEMENT SYSTEM ANNUNCIATOR PANEL

IT IS THE INTENTION OF THIS DESIGN TO INCLUDE A WALL MOUNTED ANNUNCIATOR PANEL THAT PROVIDES NORMAL AND ALARM CONDITION FEEDBACK OF THE MAJOR MECHANICAL EQUIPMENT IN THE BUILDING TO ASSIST THE OWNER WITH RESPONSE TIME TO EQUIPMENT ISSUES. CHILLERS, BOILERS, AIR HANDLERS, PUMPS, AND OTHER CRITICAL EQUIPMENT SHALL BE MONITORED FOR A NORMAL OR ALARM CONDITION. A GRAPHIC REPRESENTING AN EXACT REPLICA OF THE WALL MOUNTED PANEL SHALL BE PROVIDED BY TCC FOR REMOTE MONITORING OF BUILDING CONDITIONS INCLUDING LOCAL ACCESS BY STAFF. TCC SHALL FURNISH ALL PROGRAMMING, MATERIALS, ALARMS, LIGHT CONTROL, AND INTEGRATIONS REQUIRED FOR A COMPLETE REPRESENTATION OF ALL BUILDING AUTOMATION EQUIPMENT CONDITION FEEDBACK. CIC IS RESPONSIBLE FOR INSTALLATION OF TCC PROVIDED EQUIPMENT. TCC IS RESPONSIBLE TO PROVIDE SUBMITTAL OF PROPOSED DESIGN TO THE ENGINEER AND OWNER FOR APPROVAL PRIOR TO PROJECT COMPLETION. TCC SHALL INCLUDE DETAILS IN SUBMITTAL IDENTIFYING NORMAL / ALARM DEDICATED SYSTEM LIGHTS AND NEGOTIATED USER-DEFINED LOGIC INCLUDING A PANEL LAYOUT AND ALARM CONDITION MATRIX. THE GRAPHIC SHALL INCLUDE THE ADDITIONAL FUNCTIONALITY TO DISPLAY WHAT CONDITIONS MUST BE CORRECTED AND/OR ACTIONS TAKEN TO CLEAR AN ACTIVE ALARM. INDICATION OF FIRE ALARM SYSTEM STATUS SHALL BE A CUSTOM POINT AND WILL REQUIRE COORDINATION WITH THE EXISTING FIRE ALARM CONTRACTOR. CIC SHALL COORDINATE WITH TECHNOLOGY CONTRACTOR AND PROVIDE ETHERNET HOMERUN TO NEARBY BUILDING NETWORK SWITCH.

REMOTE ANNUNCIATOR PANEL: TCC SHALL FURNISH AND CIC SHALL INSTALL THE ANNUNCIATOR PANEL IN THE BUILDING FOREMAN'S OFFICE IN A HIGHLY VISIBLE LOCATION. TCC SHALL FURNISH AN ETHERNET LEVEL CONTROLLER AND ALL REQUIRED PANEL AND FIELD DEVICES FOR A COMPREHENSIVE SOLUTION SPECIFIC TO THE EQUIPMENT. IN ADDITION TO EQUIPMENT FEEDBACK, THE PANEL SHALL ALSO INCLUDE LOCAL HORN/STROBE, SILENCE BUTTON, AND TEST BUTTON. THE PANEL SHALL INCLUDE A TOTAL OF (5) SPARE USER-DEFINABLE ALARM LIGHTS THAT THE OWNER CAN CUSTOMIZE AS NEEDED.

IDF/ MDF NETWORK CONNECTION: THE TECHNOLOGY CONTRACTOR SHALL FURNISH, ROUTE, AND INSTALL A NETWORK CONNECTION FROM THE ANNUNCIATOR PANEL TO THE NEAREST BUILDING NETWORK SWITCH. TCC RESPONSIBLE TO COORDINATE WITH THE OWNER FOR SWITCH UTILIZATION, ROUTING APPROVAL, FINAL CONNECTIONS, AND PORT PROVISIONING ON THE NETWORK. FIRE CAULKING WHERE REQUIRED IS THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR AND SHALL BE IDENTIFIED AND COORDINATED BY THE TECHNOLOGY CONTRACTOR.

120VAC POWER REQUIREMENT: THE ELECTRICAL CONTRACTOR SHALL PROVIDE POWER TO THE ANNUNCIATOR PANEL AND COORDINATE WITH CIC FOR TERMINAL STRIP TERMINATION REQUIREMENTS. ALL INSTALLATION AND MATERIAL, INCLUDING BUT NOT LIMITED TO, POWER LINE FILTERING TO THE ANNUNCIATOR PANEL IS THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR.

THIRD-PARTY BACnet CONSIDERATION: NORMAL AND ALARM CONDITIONS THAT ORIGINATE FROM NON-DELTA CONTROLLERS SHALL UTILIZE THE BACnet POINTS MADE AVAILABLE BY THE MANUFACTURER TO DETERMINE ANNUNCIATOR FEEDBACK.

NORMAL AND ALARM EQUIPMENT CONDITIONS: TCC SHALL MONITOR EQUIPMENT RUN COMMANDS AND STATUS FEEDBACK ON EQUIPMENT CONTROLLED BY THIRD PARTY CONTROLLERS TO DETERMINE AN ALARM (RED) OR NORMAL (GREEN) CONDITION. EQUIPMENT IN HAND OR NOT REFLECTIVE OF COMMAND SHALL VISIBLY (RED LIGHT) AND AUDIBLY (LOCAL HORN/STROBE) INDICATE ALARM CONDITION. BACnet INTEGRATIONS THAT INCLUDE RUN COMMAND AND STATUS FEEDBACK POINTS SHALL HAVE DEDICATED ALARM/NORMAL (RED/GREEN) INDICATION. LOSS OF COMMUNICATION SHALL RESULT IN A EQUIPMENT SPECIFIC ALARM (RED) CONDITION. ADDITIONAL LOGIC CONSIDERATION OF: DISCHARGE AIR AND WATER TEMPERATURES OUTSIDE OF A +/- 10 F (ADJ) DEADBAND OR ANY SYSTEM SAFETY TRIP, INCLUDING BUT NOT LIMITED TO: LOW LIMIT, SMOKE DETECTION, LOW/HIGH STATIC, OR LOW/HIGH HUMIDITY SHALL RESULT IN AN ALARM (RED LIGHT) CONDITION.



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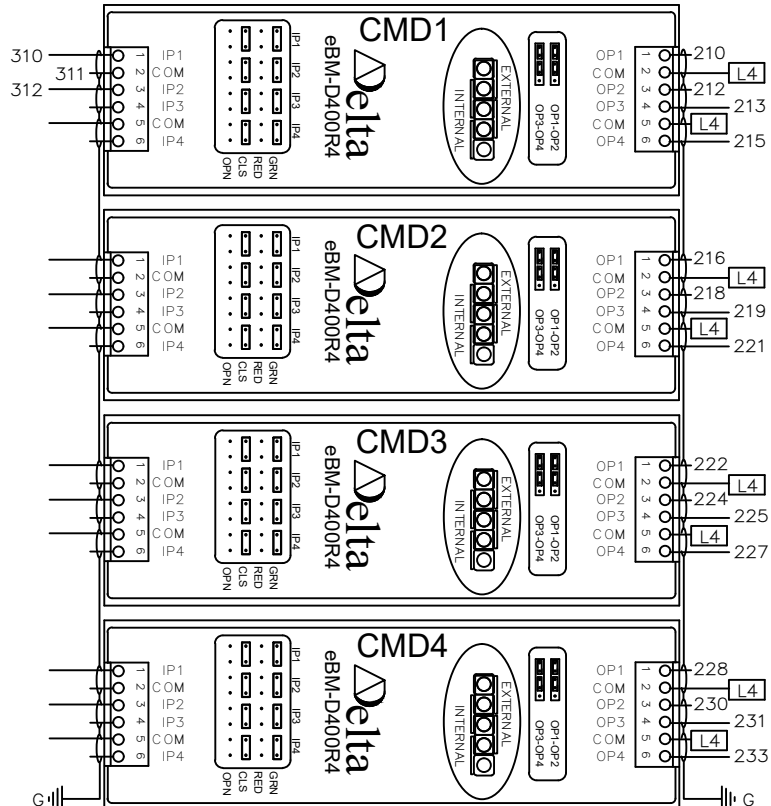
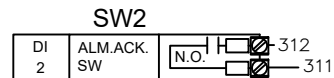
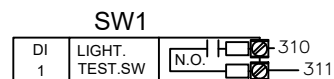
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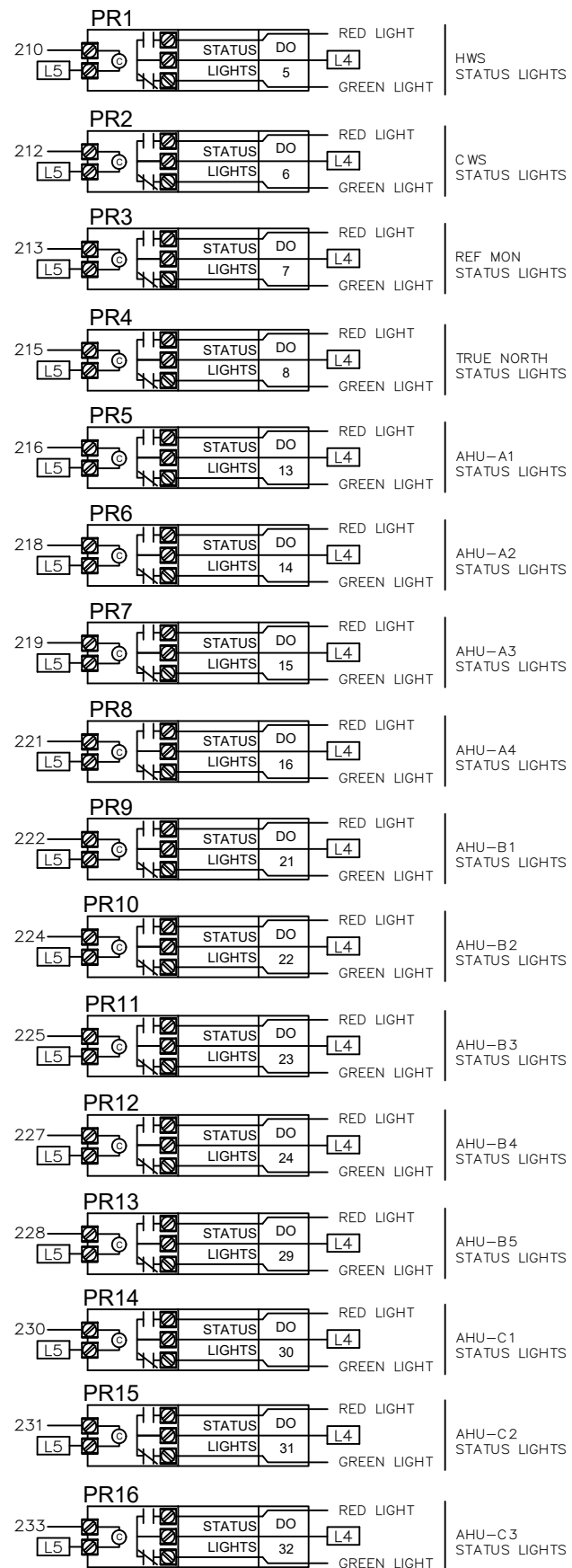
CONTRACT NO:

SHEET
 OSC-12
 JOB NUMBER:
 J-2408004

SYSTEM CONTROL PANEL 01



| ID. | CH. | BAC_ID | TAG | IN USE BY | DATA SHEET |
|-----|-----|------------|------|-----------------------|------------|
| 1 | 1 | 10100.1101 | SW1 | LIGHT TEST | 1805 |
| 2 | 2 | 10100.1102 | SW2 | ALARM ACKNOWLEDGE | 1805 |
| 3 | 3 | 10100.1103 | | | |
| 4 | 4 | 10100.1104 | | | |
| 5 | 1 | 10100.1101 | PR1 | HWS STATUS LTS | 3010 |
| 6 | 2 | 10100.1102 | PR2 | CWS STATUS LTS | 3010 |
| 7 | 3 | 10100.1103 | PR3 | REF MON STATUS LTS | 3010 |
| 8 | 4 | 10100.1104 | PR4 | TRUE NORTH STATUS LTS | 3010 |
| 9 | 1 | 10100.1201 | | | |
| 10 | 2 | 10100.1202 | | | |
| 11 | 3 | 10100.1203 | | | |
| 12 | 4 | 10100.1204 | | | |
| 13 | 1 | 10100.1201 | PR5 | AHU-A1 STATUS LTS | 3010 |
| 14 | 2 | 10100.1202 | PR6 | AHU-A2 STATUS LTS | 3010 |
| 15 | 3 | 10100.1203 | PR7 | AHU-A3 STATUS LTS | 3010 |
| 16 | 4 | 10100.1204 | PR8 | AHU-A4 STATUS LTS | 3010 |
| 17 | 1 | 10100.1301 | | | |
| 18 | 2 | 10100.1302 | | | |
| 19 | 3 | 10100.1303 | | | |
| 20 | 4 | 10100.1304 | | | |
| 21 | 1 | 10100.1301 | PR9 | AHU-B1 STATUS LTS | 3010 |
| 22 | 2 | 10100.1302 | PR10 | AHU-B2 STATUS LTS | 3010 |
| 23 | 3 | 10100.1303 | PR11 | AHU-B3 STATUS LTS | 3010 |
| 24 | 4 | 10100.1304 | PR12 | AHU-B4 STATUS LTS | 3010 |
| 25 | 1 | 10100.1401 | | | |
| 26 | 2 | 10100.1402 | | | |
| 27 | 3 | 10100.1403 | | | |
| 28 | 4 | 10100.1404 | | | |
| 29 | 1 | 10100.1401 | PR13 | AHU-B5 STATUS LTS | 3010 |
| 30 | 2 | 10100.1402 | PR14 | AHU-C1 STATUS LTS | 3010 |
| 31 | 3 | 10100.1403 | PR15 | AHU C2 STATUS LTS | 3010 |
| 32 | 4 | 10100.1404 | PR16 | AHU-C3 STATUS LTS | 3010 |



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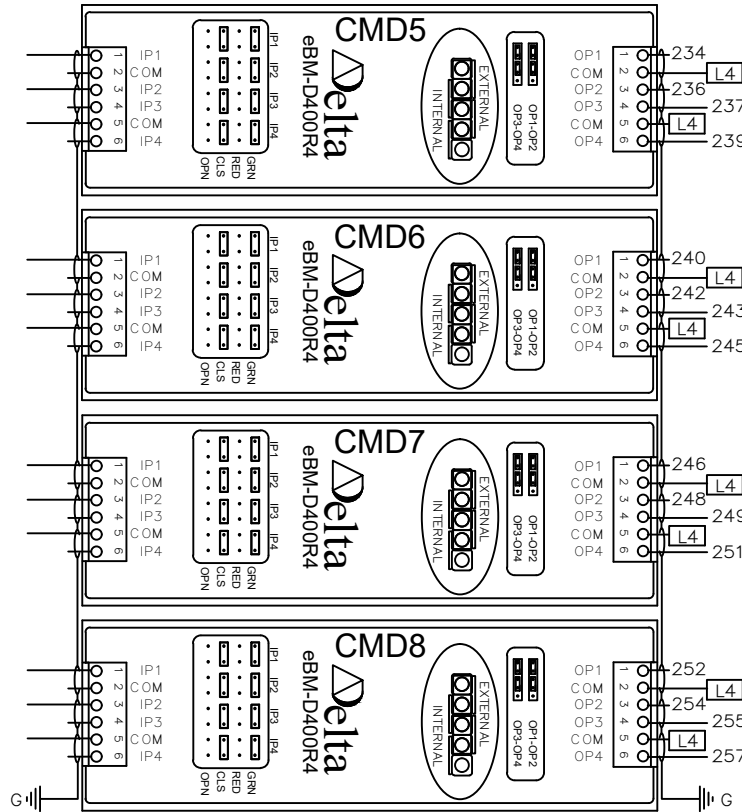
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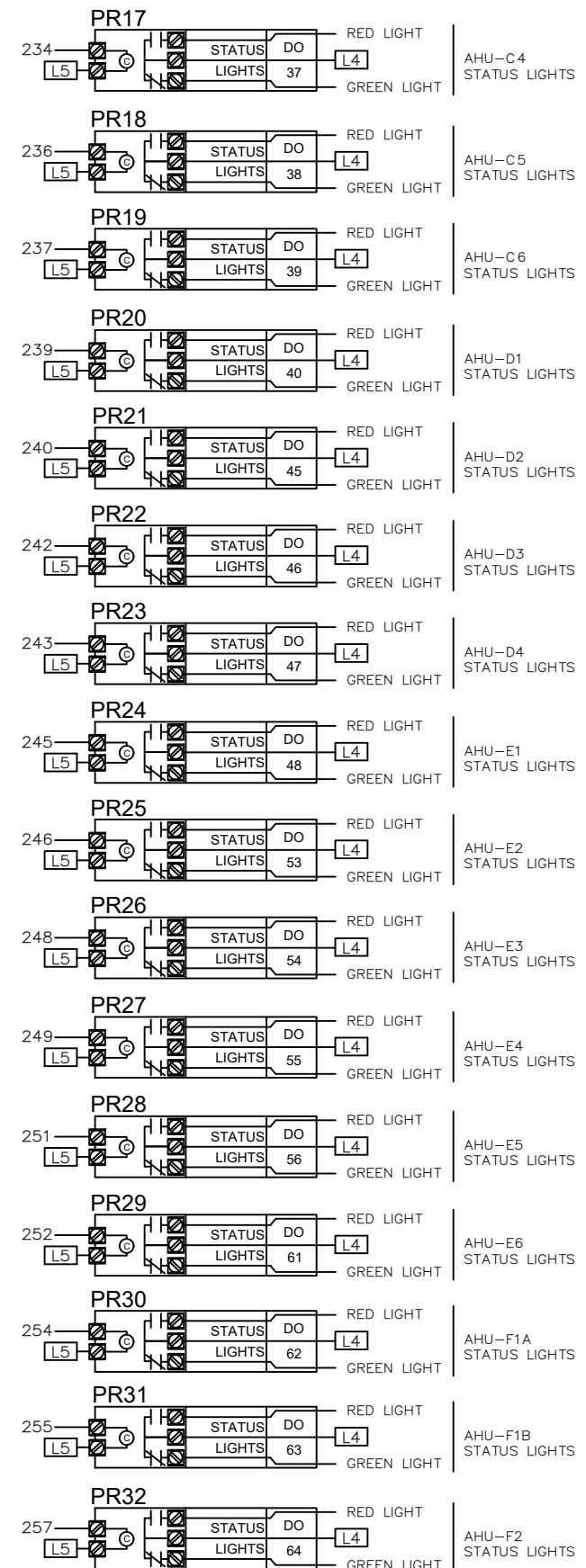
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SYSTEM CONTROL PANEL 01



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| 34 | 2 | 10100.1502 | | | |
| 35 | 3 | 10100.1503 | | | |
| 36 | 4 | 10100.1504 | | | |
| 37 | 1 | 10100.1501 | PR17 | AHU-C4 STATUS LTS | 3010 |
| 38 | 2 | 10100.1502 | PR18 | AHU-C5 STATUS LTS | 3010 |
| 39 | 3 | 10100.1503 | PR19 | AHU-C6 STATUS LTS | 3010 |
| 40 | 4 | 10100.1504 | PR20 | AHU-D1 STATUS LTS | 3010 |
| 41 | 1 | 10100.1601 | | | |
| 42 | 2 | 10100.1602 | | | |
| 43 | 3 | 10100.1603 | | | |
| 44 | 4 | 10100.1604 | | | |
| 45 | 1 | 10100.1601 | PR21 | AHU-D2 STATUS LTS | 3010 |
| 46 | 2 | 10100.1602 | PR22 | AHU-D3 STATUS LTS | 3010 |
| 47 | 3 | 10100.1603 | PR23 | AHU-D4 STATUS LTS | 3010 |
| 48 | 4 | 10100.1604 | PR24 | AHU-E1 STATUS LTS | 3010 |
| 49 | 1 | 10100.1701 | | | |
| 50 | 2 | 10100.1702 | | | |
| 51 | 3 | 10100.1703 | | | |
| 52 | 4 | 10100.1704 | | | |
| 53 | 1 | 10100.1701 | PR25 | AHU-E2 STATUS LTS | 3010 |
| 54 | 2 | 10100.1702 | PR26 | AHU-E3 STATUS LTS | 3010 |
| 55 | 3 | 10100.1703 | PR27 | AHU-E4 STATUS LTS | 3010 |
| 56 | 4 | 10100.1704 | PR28 | AHU-E5 STATUS LTS | 3010 |
| 57 | 1 | 10100.1801 | | | |
| 58 | 2 | 10100.1802 | | | |
| 59 | 3 | 10100.1803 | | | |
| 60 | 4 | 10100.1804 | | | |
| 61 | 1 | 10100.1801 | PR29 | AHU-E6 STATUS LTS | 3010 |
| 62 | 2 | 10100.1802 | PR30 | AHU-F1A STATUS LTS | 3010 |
| 63 | 3 | 10100.1803 | PR31 | AHU-F1B STATUS LTS | 3903 |
| 64 | 4 | 10100.1804 | PR32 | AHU-F2 STATUS LTS | 3903 |



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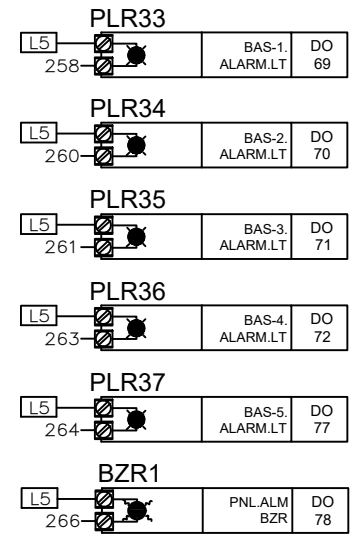
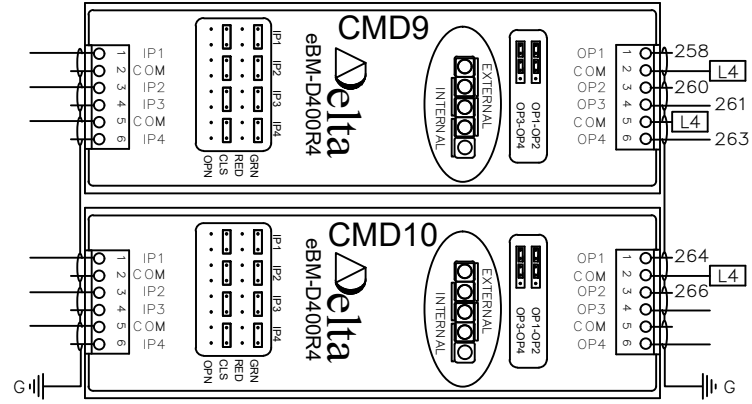
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SYSTEM CONTROL PANEL 01



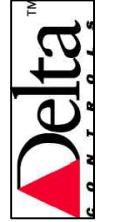
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| 66 | 2 | 10100.2102 | | | | |
| 67 | 3 | 10100.2103 | | | | |
| 68 | 4 | 10100.2104 | | | | |
| 69 | 1 | 10100.2101 | PLR33 | BAS ALARM OPTION 1 | 3903 | eBM-D400R4 / O MOD |
| 70 | 2 | 10100.2102 | PLR34 | BAS ALARM OPTION 2 | 3903 | |
| 71 | 3 | 10100.2103 | PLR35 | BAS ALARM OPTION 3 | 3903 | |
| 72 | 4 | 10100.2104 | PLR36 | BAS ALARM OPTION 4 | 3903 | |
| 73 | 1 | 10100.2201 | | | | eBM-D400R4 / O MOD |
| 74 | 2 | 10100.2202 | | | | |
| 75 | 3 | 10100.2203 | | | | |
| 76 | 4 | 10100.2204 | | | | |
| 77 | 1 | 10100.2201 | PLR37 | BAS ALARM OPTION 5 | 3903 | eBM-D400R4 / O MOD |
| 78 | 2 | 10100.2202 | BZR1 | ALM PANEL BUZZER | 614 | |
| 79 | 3 | 10100.2203 | | | | |
| 80 | 4 | 10100.2204 | | | | |

CMD9
eBM-D400R

CMD10
eBM-D400R

CMD9
eBM-D400R

CMD10
eBM-D400R



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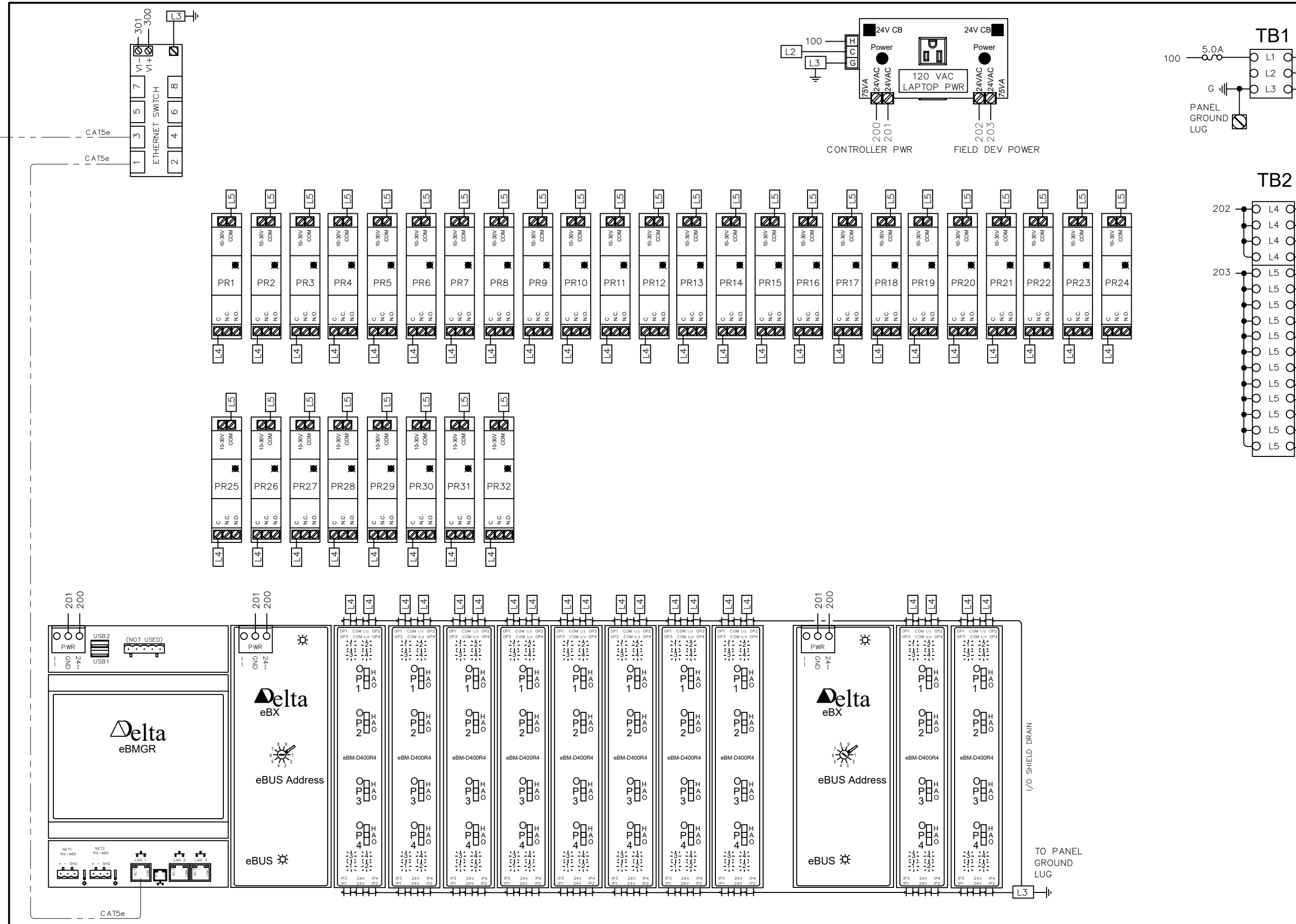
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| DATE | REMARKS |
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JOB TITLE: Operation Service Center (OSC)
 LOCATION: MSD Washington Township, Indianapolis, IN
 ENGINEER: Temperature Control Services, LLC
 CONTRACT WITH: MSD Washington Township
 DATE: 8/16/2024 CHK. BY: DRAWN BY: BSS

CONTRACT NO:
 SHEET
 OSC-15
 JOB NUMBER:
 J-2408004

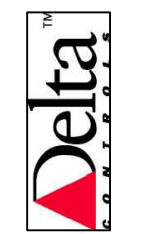
SYSTEM CONTROL PANEL 01

SEE RISER SHEET FOR TERMINATION LOCATION



SEE RISER DIAGRAMS FOR LOCATION

ANNUNCIATOR PANEL SYSTEM 01 CONTROL PANEL - POWER & NETWORK WIRING



Temperature Control Services
13920 WENDESSA DRIVE
FISHERS, INDIANA 46038
PHONE: 765.481.8510
E-MAIL: NATHAN@TCSBAS.COM

| UPDATES | |
|-----------|------------------|
| DATE | REMARKS |
| 8/22/2024 | ADDENDUM #1 |
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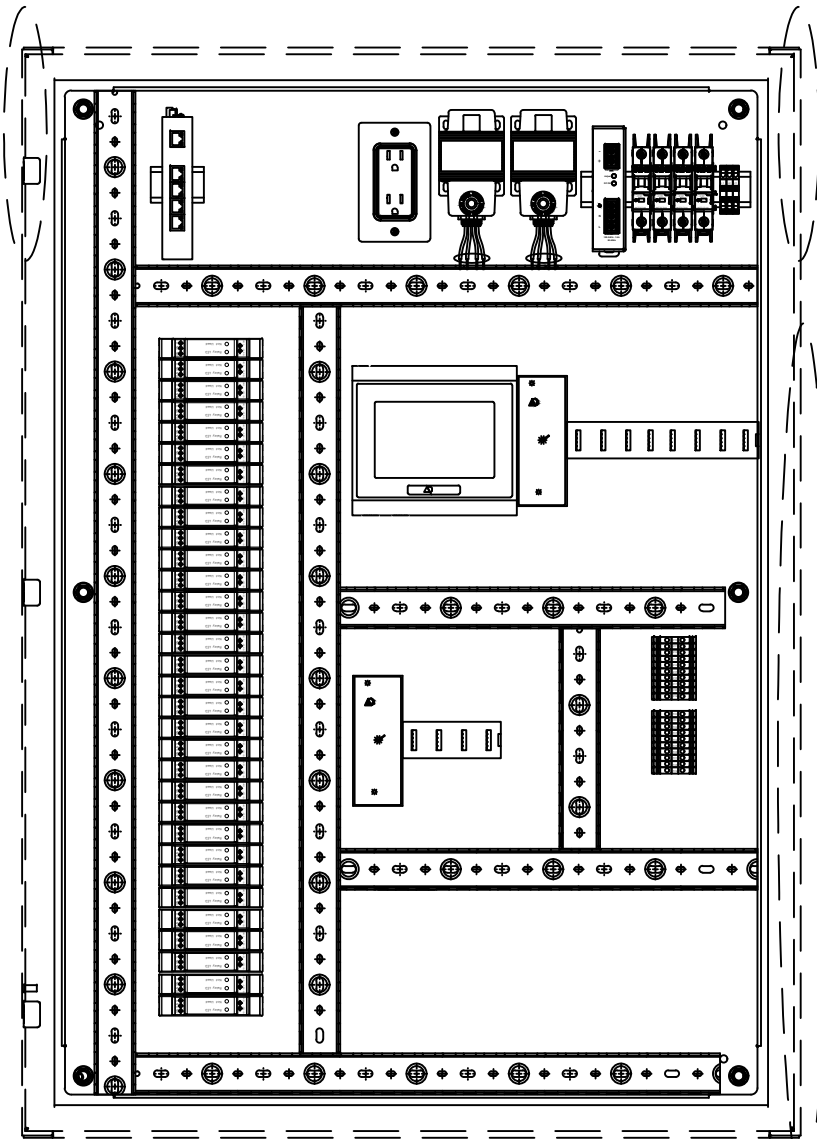
JOB TITLE: Operation Service Center (OSC)
LOCATION: MSD Washington Township, Indianapolis, IN
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DATE: 8/16/2024 CHK. BY: DRAWN BY: BSS

CONTRACT NO:

SHEET
OSC-16
JOB NUMBER:
J-2408004

SYSTEM CONTROL PANEL 01 LAYOUT

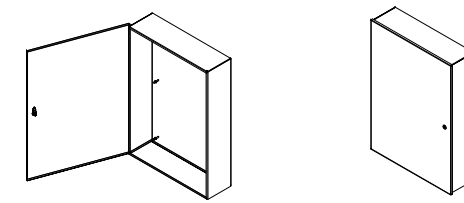
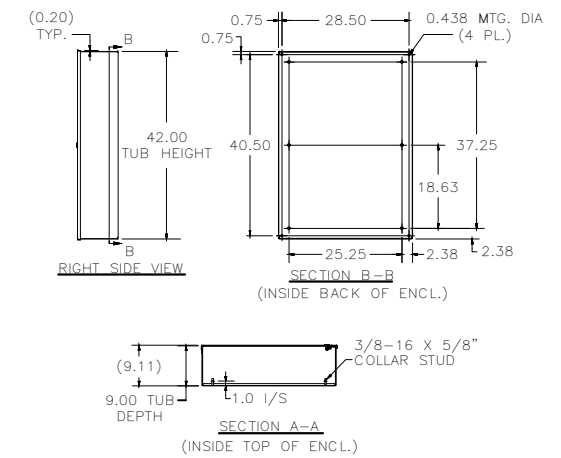
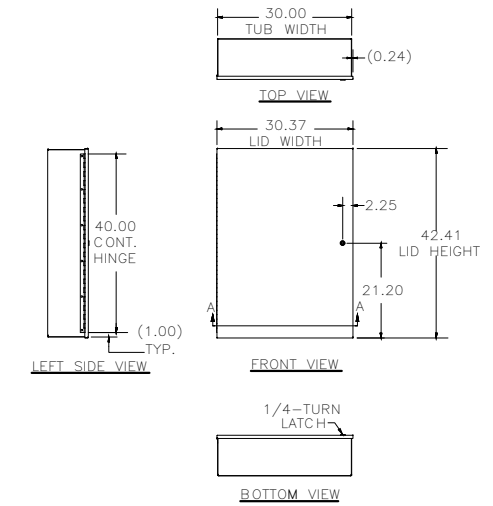
NETWORK CABLES
ENTER IN THIS
AREA



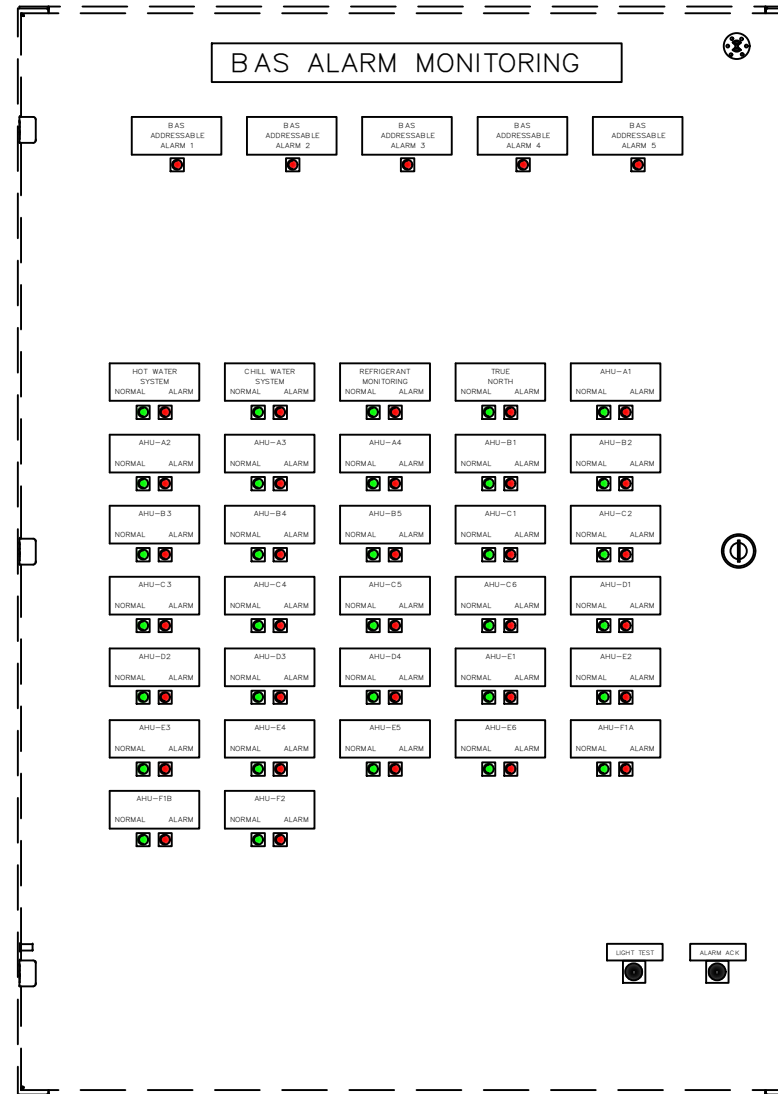
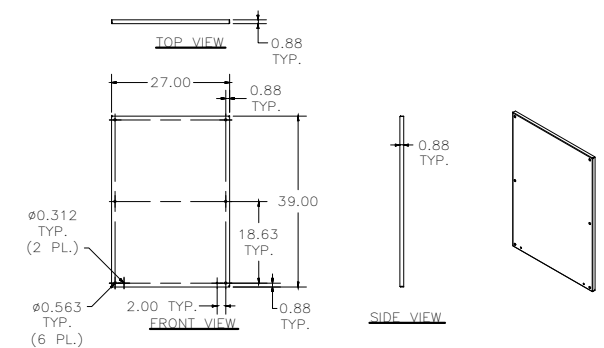
HIGH VOLTAGE FEEDS
ENTER IN THIS AREA

LOW VOLTAGE FEEDS
ENTER IN THIS AREA

30" (W) x 42" (H)
ENCLOSURE DIMENSIONS

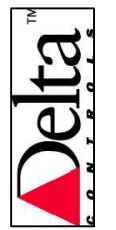


PANEL DIMENSIONS



BILL OF MATERIALS

| TAG | ITEM NAME | VENDOR P/N | DESCRIPTION | QTY | MANUF | LOC |
|-------|--------------------|-------------|--|-----|--------------------|-------|
| C8X1 | eBX-08 | 311602 | eBX-08 enteliBUS Expander Backplane (8 slot) | 1 | Delta Controls | Panel |
| C8X2 | eBX-08 | 311602 | eBX-08 enteliBUS Expander Backplane (8 slot) | 1 | Delta Controls | Panel |
| CB1 | eBB-CABLE | 272600 | eBB-CABLE Cable Kit for enteliBUS (CAN) | 1 | Delta Controls | Panel |
| CEB1 | eBMGR-2 | 301604 | eBMGR-2 enteliBUS System Controller w/Ethernet (CPU/Comm) | 1 | Delta Controls | Panel |
| CMD10 | eBM-D400R4 | 375610 | eBM-D400R4 enteliBUS Module (4 Bits, 4 Relay OPs) | 10 | Delta Controls | Panel |
| EBP1 | 42 x 30 Perf Plate | NP4230PP | Perf Backplate for 42"x30" Enc | 1 | Hubbell W. | Panel |
| ENC1 | 42 x 30 Enc | N1C304209LP | NEMA 1 42"x30"x8.62" Enc | 1 | Hubbell W. | Panel |
| ETS1 | DVS-005100 | 507500 | DVS-005100 Unmanaged Industrial 5-Port Ethernet Switch | 1 | Delta Electronics | Panel |
| PLK1 | Keyed Lock | N1C14TKL | Cylinder Lock Kit | 1 | Hubbell W. | Panel |
| PNL1 | PNL-Anc | PNL-Anc | TCS Panel Build - Annunciator Style | 1 | TCS | Panel |
| PR32 | RIBRL1C | 403319 | RIBRL1C DIN Mount Relay 10 Amp SPDT with 10-30 Vac/dc Coil | 32 | Functional Devices | Panel |
| TRM1 | eBB-TERM | 272601 | eBB-TERM Network Terminator for enteliBUS (CAN) | 1 | Delta Controls | Panel |



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CONTRACT NO:
SHEET
OSC-17
JOB NUMBER:
J-2408004

CONSOLIDATED BILL OF MATERIAL

| ITEM NAME | VENDOR P/N | DESCRIPTION | QTY | MANUF | LOC | RECOMMENDED SPARES |
|-------------------------|--------------|---|-----|--------------------|--------|--------------------|
| BA/10K-3-RPP-5' | 400411 | BA/10K-3-RPP-5' Remote Temp Probe, 5' Lead, Plenum Rated Cable | 1 | BAPI | Field | 1 |
| CW Valve | See Schedule | See Valve Sch for Details | 1 | Belimo | Field | |
| eZNS-T100-ND-SM-000-WWG | 335353 | eZNS-T100-ND-SM-000-WWG enteliZONE Network Sensor (No Display, Temp, Surface) | 2 | Delta Controls | Field | 1 |
| RIB21CDC | 403264 | RIB21CDC Enclosed Relay 10 Amp SPDT, Class 2 Dry Contact Input, 120-277 Vac Power Input | 1 | Functional Devices | Field | 1 |
| RIB2401SBC | 403273 | RIB2401SBC Enclosed Relay 20 Amp SPDT + Override with 24 Vac/dc/120 Vac Coil | 4 | Functional Devices | Field | 1 |
| RIBXKTA | 403501 | RIBXKTA Solid Core, Adjustable Current Switch, 0.50-150 Amp, Terminal | 4 | Functional Devices | Field | 1 |
| ETD9STS | 499713 | ETD9STS TSTAT-SPDT HEAT OR COOL/5090F/TERMINALS | 1 | Kele | Field | 1 |
| Spd Ctrl (EBO) | N/A | Speed Controller (by others) | 1 | Others | Field | |
| eWEnt | 345713 | eWEnt enteliWEB Enterprise Software (Up to 5000 I/O) | 1 | Delta Controls | Office | |
| eWEnt-UnLtd | 345862 | eWEnt-UnLtd enteliWEB Unlimited I/O Point Add-on Software (Unlimited I/O to eWEnt versions) | 1 | Delta Controls | Office | |
| eWEnt-EV | 345801 | eWEnt-EV enteliVIZ Add-on Software (Add for eWEnt version) | 1 | Delta Controls | Office | |
| eWEnt-VLT | 346025 | eWEnt-VLT enteliVAULT Add-on Software (Add for eWEnt version) | 1 | Delta Controls | Office | |
| eWEnt-VLTUnLtd | 346028 | eWEnt-VLTUnLtd enteliVAULT Add-on Software (Add for eWEnt-UnLtd version) | 1 | Delta Controls | Office | |
| eWEnt-Sub | 345723 | eWEnt-Sub Software Subscription (Up to 1 year after expiry) | 1 | Delta Controls | Office | |
| eWEnt-SubUnLtd | 345864 | eWEnt-SubUnLtd Software Subscription (Up to 1 year after expiry) | 1 | Delta Controls | Office | |
| eWEnt-VLT-Sub | 346033 | eWEnt-VLT-Sub eWEnt-VLT enteliVAULT License Subscription | 1 | Delta Controls | Office | |
| VLTUnLtd-Sub | 346036 | VLTUnLtd-Sub eWEnt-VLTUnLtd enteliVAULT License Subscription | 1 | Delta Controls | Office | |
| Panel Buzzer | ECX2070-24 | Buzzer, 25mA, 24Vac/dc, 80dB | 1 | Automation Direct | Panel | |
| eBB-CABLE | 272600 | eBB-CABLE Cable Kit for enteliBUS (CAN) | 1 | Delta Controls | Panel | |
| eBB-TERM | 272601 | eBB-TERM Network Terminator for enteliBUS (CAN) | 1 | Delta Controls | Panel | |
| eBM-D400R4 | 375610 | eBM-D400R4 enteliBUS Module (4 BIs, 4 Relay OPs) | 10 | Delta Controls | Panel | 1 |
| eBMGR-2 | 301604 | eBMGR-2 enteliBUS System Controller w/Ethernet (CPU/Comm) | 1 | Delta Controls | Panel | 1 |
| eBX-04 | 311601 | eBX-04 enteliBUS Expander Backplane (4 slot) | 1 | Delta Controls | Panel | 1 |
| eBX-08 | 311602 | eBX-08 enteliBUS Expander Backplane (8 slot) | 1 | Delta Controls | Panel | 1 |
| eZFCP-424R4-24 | 323426 | eZFCP-424R4-24 enteliZONE Fan Coil Controller (24VAC Prog, 4UI, 2AO, 4TRIAC, 3 Fan and 1 aux relay) | 2 | Delta Controls | Panel | 1 |
| DVS-005I00 | 507500 | DVS-005I00 Unmanaged Industrial 5-Port Ethernet Switch | 1 | Delta Electronics | Panel | 1 |
| RIBRL1C | 403319 | RIBRL1C DIN Mount Relay 10 Amp SPDT with 10-30 Vac/dc Coil | 32 | Functional Devices | Panel | 2 |
| TR75VA005 | 403599 | TR75VA005 Transformer 75VA, 480/240/208/120 to 24 Vac, Circuit Breaker, Foot & Single Threaded Hub | 2 | Functional Devices | Panel | 1 |
| 42 x 30 Enc | N1C304209LP | NEMA 1 42"x30"x8.62" Enc | 1 | Hubbell W. | Panel | |
| 42 x 30 Perf Plate | NP4230PP | Perf Backplate for 42"x30" Enc | 1 | Hubbell W. | Panel | |
| Keyed Lock | N1C14TKL | Cylinder Lock Kit | 1 | Hubbell W. | Panel | |
| ABW111 | 499915 | ABW111 PUSH BUTTON 1NO 1NC MOMENTARY FLUSH -3 COLORS | 2 | Kele | Panel | |
| AP8M122-G | 499694 | AP8M122-G PILOT LIGHT MINIATURE 8MM FLAT LENS ACDC 24V GREE LV, PDT | 32 | Kele | Panel | 4 |
| AP8M122-R | 499695 | AP8M122-R PILOT LIGHT MINIATURE 8MM FLAT LENS AC/DC 24V RED | 37 | Kele | Panel | 4 |
| PNL-Anc | PNL-Anc | TCS Panel Build - Annunciator Style | 1 | TCS | Panel | |
| PNL-FCU | PNL-FCU | TCS Panel Build - FCU Terminal Dev Style | 2 | TCS | Panel | |



Temperature Control Services
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 ADVANCE, INDIANA 46102
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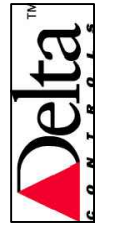
CONTRACT NO:
 SHEET
 SCH-01
 JOB NUMBER:
 J-2408004

LABEL LIST

| Item: | TCS Label ID: | Vendor P/N: | Height (In.): | Width (In.): | Field Color: | Text Color: | DbI-Side Tape? | Hole Size: | # of Holes: | Text Height (In.): | Text to Engrave Line 1: | Text to Engrave Line 2: | Text to Engrave Line 3: | Special Instructions: |
|-------|---------------|-------------|---------------|--------------|--------------|-------------|----------------|------------|-------------|--------------------|-------------------------|-------------------------|-------------------------|---|
| 1 | LAB-22030 | 23ST | 2 | 3 | Blue | White | Yes | N/A | 0 | 0.25 | EF-B1 | CONTROL | PANEL | |
| 2 | LAB-22030 | 23ST | 2 | 3 | Blue | White | Yes | N/A | 0 | 0.25 | EF-G2 & G3 | CONTROL | PANEL | |
| 3 | LAB-22030 | 23ST | 2 | 3 | Blue | White | Yes | N/A | 0 | 0.25 | FCU-D1 | CONTROL | PANEL | |
| 4 | LAB-115160 | 1.510ST | 1.5 | 16 | Blue | White | Yes | N/A | 0 | 0.75 | BAS ALARM MONITORING | | | |
| 5 | LAB-11030 | 13ST | 1 | 3 | Blue | White | Yes | N/A | 0 | 0.25 | LIGHT TEST | | | |
| 6 | LAB-11030 | 13ST | 1 | 3 | Blue | White | Yes | N/A | 0 | 0.25 | ALARM ACK | | | |
| 7 | LAB-21540 | 1.54ST | 1.5 | 4 | Blue | White | Yes | N/A | 0 | 0.2 | BAS ADDRESSABLE | ALARM 1 | | |
| 8 | LAB-21540 | 1.54ST | 1.5 | 4 | Blue | White | Yes | N/A | 0 | 0.2 | BAS ADDRESSABLE | ALARM 2 | | |
| 9 | LAB-21540 | 1.54ST | 1.5 | 4 | Blue | White | Yes | N/A | 0 | 0.2 | BAS ADDRESSABLE | ALARM 3 | | |
| 10 | LAB-21540 | 1.54ST | 1.5 | 4 | Blue | White | Yes | N/A | 0 | 0.2 | BAS ADDRESSABLE | ALARM 4 | | |
| 11 | LAB-21540 | 1.54ST | 1.5 | 4 | Blue | White | Yes | N/A | 0 | 0.2 | BAS ADDRESSABLE | ALARM 5 | | |
| 12 | LAB-31535 | 1.53.5ST | 1.5 | 3.5 | Blue | White | Yes | N/A | 0 | 0.2 | HOT WATER | SYSTEM | NORMAL ALARM | Left Justify "NORMAL" and right justify "ALARM" |
| 13 | LAB-31535 | 1.53.5ST | 1.5 | 3.5 | Blue | White | Yes | N/A | 0 | 0.2 | CHILL WATER | SYSTEM | NORMAL ALARM | Left Justify "NORMAL" and right justify "ALARM" |
| 14 | LAB-31535 | 1.53.5ST | 1.5 | 3.5 | Blue | White | Yes | N/A | 0 | 0.2 | REFRIGERANT | MONITORING | NORMAL ALARM | Left Justify "NORMAL" and right justify "ALARM" |
| 15 | LAB-31535 | 1.53.5ST | 1.5 | 3.5 | Blue | White | Yes | N/A | 0 | 0.2 | TRUE | NORTH | NORMAL ALARM | Left Justify "NORMAL" and right justify "ALARM" |
| 16 | LAB-31535 | 1.53.5ST | 1.5 | 3.5 | Blue | White | Yes | N/A | 0 | 0.2 | AHU-A1 | | NORMAL ALARM | Left Justify "NORMAL" and right justify "ALARM" |
| 17 | LAB-31535 | 1.53.5ST | 1.5 | 3.5 | Blue | White | Yes | N/A | 0 | 0.2 | AHU-A2 | | NORMAL ALARM | Left Justify "NORMAL" and right justify "ALARM" |
| 18 | LAB-31535 | 1.53.5ST | 1.5 | 3.5 | Blue | White | Yes | N/A | 0 | 0.2 | AHU-A3 | | NORMAL ALARM | Left Justify "NORMAL" and right justify "ALARM" |
| 19 | LAB-31535 | 1.53.5ST | 1.5 | 3.5 | Blue | White | Yes | N/A | 0 | 0.2 | AHU-A4 | | NORMAL ALARM | Left Justify "NORMAL" and right justify "ALARM" |
| 20 | LAB-31535 | 1.53.5ST | 1.5 | 3.5 | Blue | White | Yes | N/A | 0 | 0.2 | AHU-B1 | | NORMAL ALARM | Left Justify "NORMAL" and right justify "ALARM" |
| 21 | LAB-31535 | 1.53.5ST | 1.5 | 3.5 | Blue | White | Yes | N/A | 0 | 0.2 | AHU-B2 | | NORMAL ALARM | Left Justify "NORMAL" and right justify "ALARM" |
| 22 | LAB-31535 | 1.53.5ST | 1.5 | 3.5 | Blue | White | Yes | N/A | 0 | 0.2 | AHU-B3 | | NORMAL ALARM | Left Justify "NORMAL" and right justify "ALARM" |
| 23 | LAB-31535 | 1.53.5ST | 1.5 | 3.5 | Blue | White | Yes | N/A | 0 | 0.2 | AHU-B4 | | NORMAL ALARM | Left Justify "NORMAL" and right justify "ALARM" |
| 24 | LAB-31535 | 1.53.5ST | 1.5 | 3.5 | Blue | White | Yes | N/A | 0 | 0.2 | AHU-B5 | | NORMAL ALARM | Left Justify "NORMAL" and right justify "ALARM" |
| 25 | LAB-31535 | 1.53.5ST | 1.5 | 3.5 | Blue | White | Yes | N/A | 0 | 0.2 | AHU-C1 | | NORMAL ALARM | Left Justify "NORMAL" and right justify "ALARM" |
| 26 | LAB-31535 | 1.53.5ST | 1.5 | 3.5 | Blue | White | Yes | N/A | 0 | 0.2 | AHU-C2 | | NORMAL ALARM | Left Justify "NORMAL" and right justify "ALARM" |
| 27 | LAB-31535 | 1.53.5ST | 1.5 | 3.5 | Blue | White | Yes | N/A | 0 | 0.2 | AHU-C3 | | NORMAL ALARM | Left Justify "NORMAL" and right justify "ALARM" |
| 28 | LAB-31535 | 1.53.5ST | 1.5 | 3.5 | Blue | White | Yes | N/A | 0 | 0.2 | AHU-C4 | | NORMAL ALARM | Left Justify "NORMAL" and right justify "ALARM" |
| 29 | LAB-31535 | 1.53.5ST | 1.5 | 3.5 | Blue | White | Yes | N/A | 0 | 0.2 | AHU-C5 | | NORMAL ALARM | Left Justify "NORMAL" and right justify "ALARM" |
| 30 | LAB-31535 | 1.53.5ST | 1.5 | 3.5 | Blue | White | Yes | N/A | 0 | 0.2 | AHU-C6 | | NORMAL ALARM | Left Justify "NORMAL" and right justify "ALARM" |
| 31 | LAB-31535 | 1.53.5ST | 1.5 | 3.5 | Blue | White | Yes | N/A | 0 | 0.2 | AHU-D1 | | NORMAL ALARM | Left Justify "NORMAL" and right justify "ALARM" |
| 32 | LAB-31535 | 1.53.5ST | 1.5 | 3.5 | Blue | White | Yes | N/A | 0 | 0.2 | AHU-D2 | | NORMAL ALARM | Left Justify "NORMAL" and right justify "ALARM" |
| 33 | LAB-31535 | 1.53.5ST | 1.5 | 3.5 | Blue | White | Yes | N/A | 0 | 0.2 | AHU-D3 | | NORMAL ALARM | Left Justify "NORMAL" and right justify "ALARM" |
| 34 | LAB-31535 | 1.53.5ST | 1.5 | 3.5 | Blue | White | Yes | N/A | 0 | 0.2 | AHU-D4 | | NORMAL ALARM | Left Justify "NORMAL" and right justify "ALARM" |
| 35 | LAB-31535 | 1.53.5ST | 1.5 | 3.5 | Blue | White | Yes | N/A | 0 | 0.2 | AHU-E1 | | NORMAL ALARM | Left Justify "NORMAL" and right justify "ALARM" |
| 36 | LAB-31535 | 1.53.5ST | 1.5 | 3.5 | Blue | White | Yes | N/A | 0 | 0.2 | AHU-E2 | | NORMAL ALARM | Left Justify "NORMAL" and right justify "ALARM" |
| 37 | LAB-31535 | 1.53.5ST | 1.5 | 3.5 | Blue | White | Yes | N/A | 0 | 0.2 | AHU-E3 | | NORMAL ALARM | Left Justify "NORMAL" and right justify "ALARM" |
| 38 | LAB-31535 | 1.53.5ST | 1.5 | 3.5 | Blue | White | Yes | N/A | 0 | 0.2 | AHU-E4 | | NORMAL ALARM | Left Justify "NORMAL" and right justify "ALARM" |
| 39 | LAB-31535 | 1.53.5ST | 1.5 | 3.5 | Blue | White | Yes | N/A | 0 | 0.2 | AHU-E5 | | NORMAL ALARM | Left Justify "NORMAL" and right justify "ALARM" |
| 40 | LAB-31535 | 1.53.5ST | 1.5 | 3.5 | Blue | White | Yes | N/A | 0 | 0.2 | AHU-E6 | | NORMAL ALARM | Left Justify "NORMAL" and right justify "ALARM" |
| 41 | LAB-31535 | 1.53.5ST | 1.5 | 3.5 | Blue | White | Yes | N/A | 0 | 0.2 | AHU-F1A | | NORMAL ALARM | Left Justify "NORMAL" and right justify "ALARM" |
| 42 | LAB-31535 | 1.53.5ST | 1.5 | 3.5 | Blue | White | Yes | N/A | 0 | 0.2 | AHU-F1B | | NORMAL ALARM | Left Justify "NORMAL" and right justify "ALARM" |
| 43 | LAB-31535 | 1.53.5ST | 1.5 | 3.5 | Blue | White | Yes | N/A | 0 | 0.2 | AHU-F2 | | NORMAL ALARM | Left Justify "NORMAL" and right justify "ALARM" |

VALVE SCHEDULE

| Reference | Quantity | Valve Tag | From Project Specifications | | | | | | | | | | | | | | | | | | Valve # | Actuator # | Clip Position | Data Sheet | Notes | | | |
|-----------|----------|------------|-----------------------------|----------------------------|------------------|-----------------|-----------------------------------|------------------|----------|----------------------------|------|-------|-----------|--|---------|--------|-----------|------------|-------------|-------|---------|------------|---------------|------------|-----------|---------------|-------|--|
| | | | Flow (GPM) | Target Pressure Drop (PSI) | Target Cv Rating | Pipe Size (in.) | Required Close-off Pressure (PSI) | Valve Size (in.) | Valve Cv | Actual Pressure drop (PSI) | Ball | Globe | Butterfly | Valve Type and Actuator Specifications | | | | | | | | | | | | Ordering Data | | |
| | | | | | | | | | | | | | | 24 VAC | 120 VAC | On-Off | Tri-State | Modulating | Spring Rtn. | 2 WAY | | | | | | | 3 WAY | |
| 1 | 1 | FCUD-1 CWV | 8.00 | 5.00 | 3.58 | 1.00 | 200.0 | 0.75 | 4.70 | 2.90 | X | | | | | | | | | | | X | | B217B | TFRB24-SR | -- | 4409a | |



Temperature Control Services
 108 N MAIN
 ADVANCE, INDIANA 46102
 PHONE: 765.481.8510
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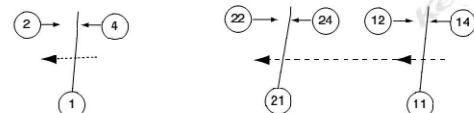
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 LOCATION: MSD Washington Township, Indianapolis, IN
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 DATE: 8/16/2024 CHK. BY: DRAWN BY: BSS

CONTRACT NO:
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 SCH-02
 JOB NUMBER:
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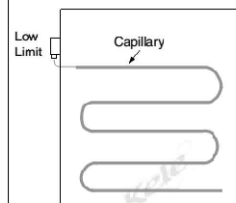
WIRING



TSA
Switch action on decrease in temperature (Contact 1 to 4 Opens; Contact 1 to 2 Closes)

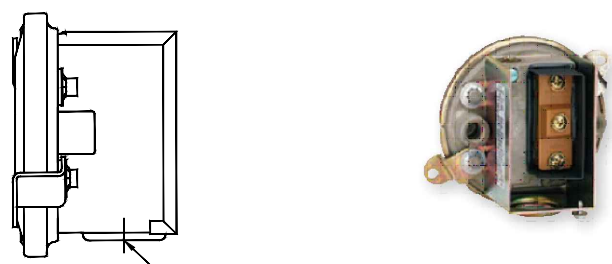
TF142
Switch action on decrease in temperature (Contacts 11-14 and 21-24 Open; Contacts 11-12 and 21-22 Close)

INSTALLATION

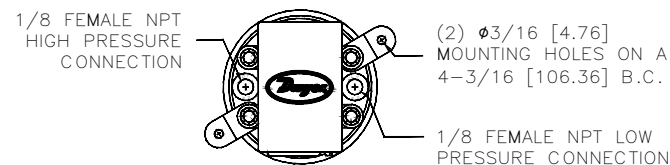


Install capillary element in a horizontal serpentine pattern across the duct on the downstream side of the coil so it is exposed to areas where low temperatures will occur. Do not kink or apply excessive force to the capillary element.

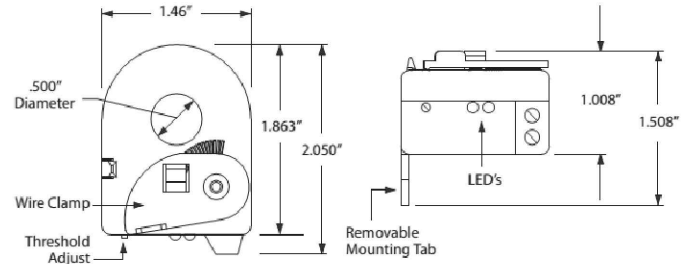
1000 TEMPERATURE, LOW LIMIT



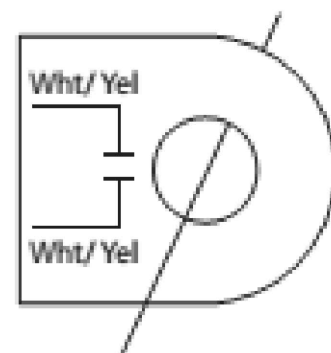
ø7/8 [22.23] CONDUIT CONNECTION



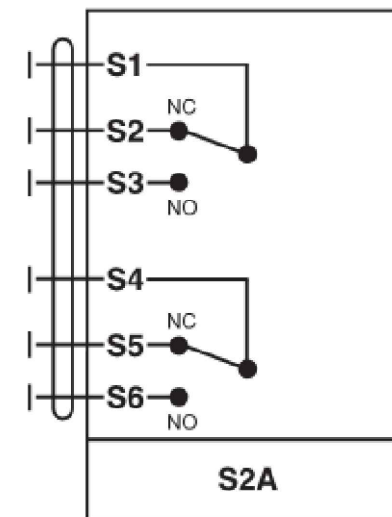
1200 PRESSURE, DUCT HIGH LIMIT



Load Wire

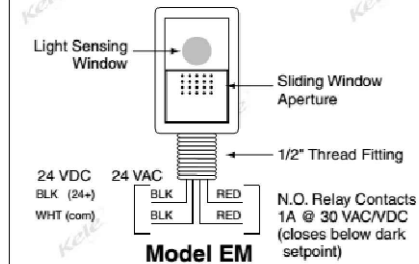


1400 CURRENT SWITCH, RIBXK SERIES

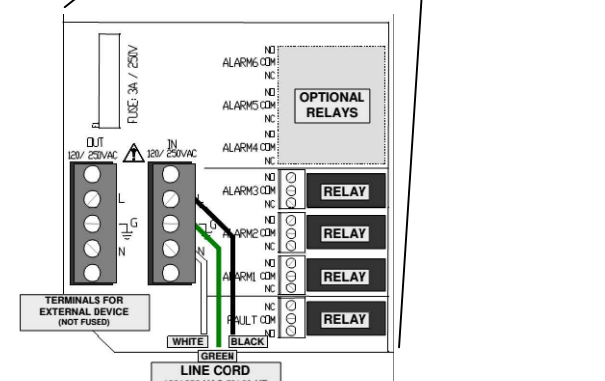
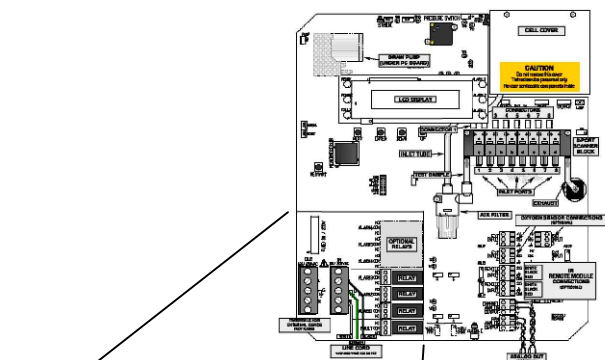


1801 AUXILIARY END SWITCH, BELIMO S2A

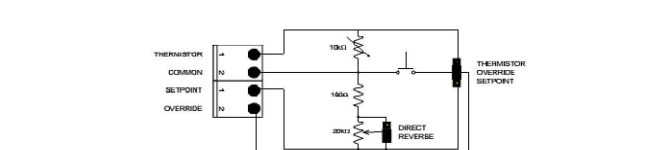
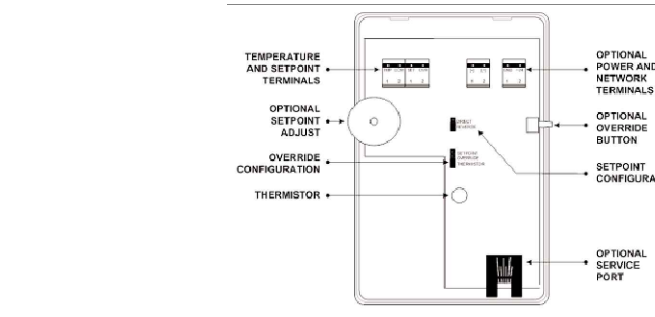
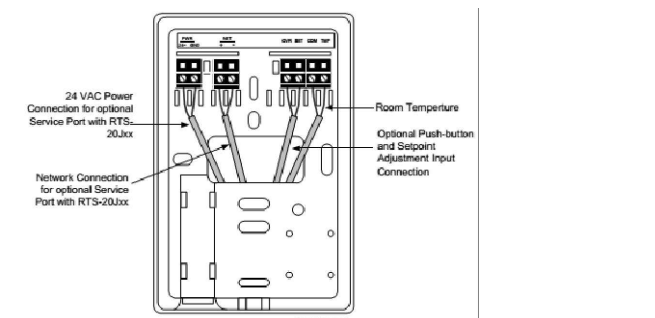
WIRING



1900 PHOTOCELL, OUTDOOR, EM SERIES



1901 REFRIGERANT MONITOR, HALOGUARD



2000 TEMPERATURE, WALL MT, DELTA RTS-20

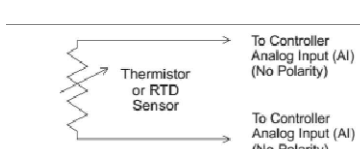
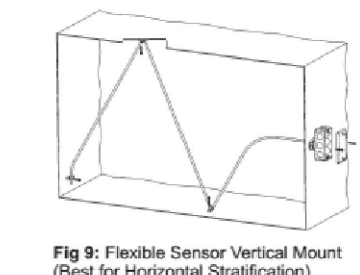
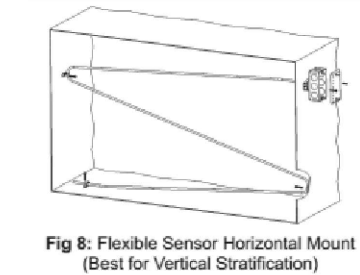


Fig. 16: 2 Wire Lead Wire Termination for Thermistor or RTD

2001 TEMPERATURE, DUCT AVERAGING

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CONTRACT WITH: MSD Washington Township
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CONTRACT NO:
SHEET INST-01
JOB NUMBER: J-2408004

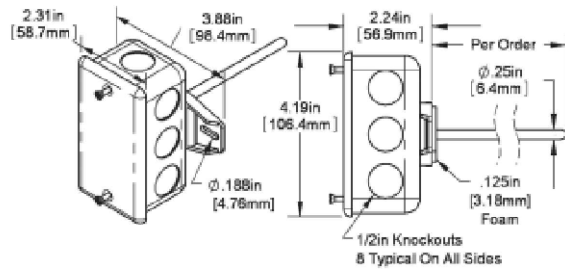


Fig 2: Duct Unit with J-Box (Standard)

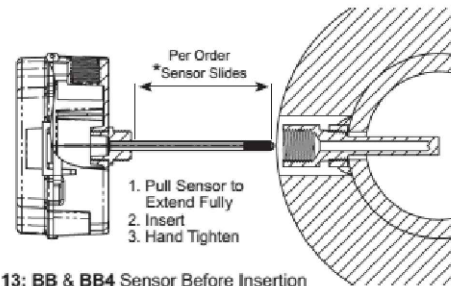


Fig 13: BB & BB4 Sensor Before Insertion

| Table 3: Temperature Sensor Lead Wire Colors | | | |
|--|---------------|---|----------------------|
| Thermistors | | Platinum RTDs - 2 Wire | |
| 1.8KΩ | Orange/Red | 100Ω | Red/Red |
| 2.2KΩ | Brown/White | 1KΩ | Orange/Orange |
| 3KΩ | Yellow/Black | Nickel RTD | |
| 3.25KΩ | Brown/Green | 1KΩ | Green/Green |
| 3.3KΩ | Yellow/Brown | Silicon RTD | |
| 10K-2Ω | Yellow/Yellow | 2KΩ | Brown/Blue |
| 10K-3Ω | Yellow/Red | Platinum RTDs - 3 Wire | |
| 10K-3(11K)Ω | Yellow/Blue | 100Ω | Red/Red/Black* |
| 20KΩ | White/White | 1KΩ | Orange/Orange/Black* |
| 47KΩ | Yellow/Orange | *In the 3-Wire RTD sensors listed above, the two wires of similar color are connected together. | |
| 50KΩ | White/Blue | | |
| 100KΩ | Yellow/White | | |

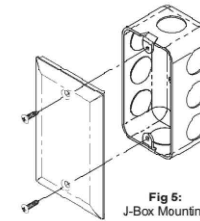


Fig 6: J-Box Mounting

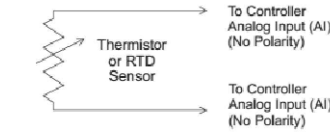


Fig 16: 2 Wire Lead Wire Termination for Thermistor or RTD

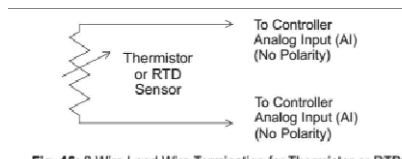


Fig 16: 2 Wire Lead Wire Termination for Thermistor or RTD

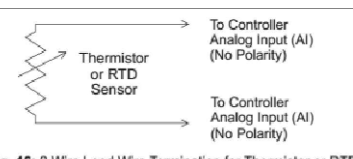


Fig 16: 2 Wire Lead Wire Termination for Thermistor or RTD

| Table 1: Humidity Transmitter with 0 to 10VDC Output | | |
|--|-----------------|---|
| Wire Color | Purpose | Note |
| Green | Humidity Output | 0 to 10VDC, To Analog Input of Controller |
| Black | GND (Common) | Ground for Power and Humidity Output |
| Red | Power | 15 to 35VDC or 15 to 27VAC |

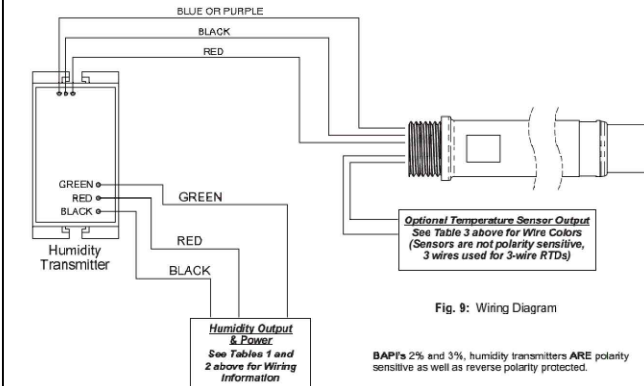


Fig 9: Wiring Diagram

BAP's 2% and 3% humidity transmitters ARE polarity sensitive as well as reverse polarity protected.

2002 TEMPERATURE, DUCT PROBE

2003 TEMPERATURE, IMMERSION

2004 TEMPERATURE, WALL PLATE

2100 HUMIDITY / TEMPERATURE, OUTSIDE AIR

| Table 1: Humidity Transmitter with 0 to 10VDC Output | | |
|--|-----------------|---|
| Wire Color | Purpose | Note |
| Green | Humidity Output | 0 to 10VDC, To Analog Input of Controller |
| Black | GND (Common) | Ground for Power and Humidity Output |
| Red | Power | 15 to 35VDC or 15 to 27VAC |

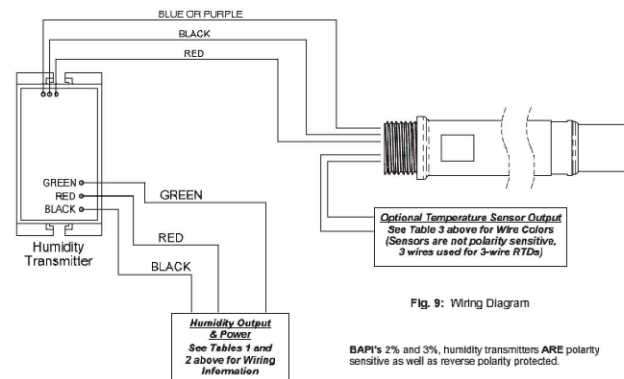


Fig 9: Wiring Diagram

BAP's 2% and 3% humidity transmitters ARE polarity sensitive as well as reverse polarity protected.

2101 HUMIDITY / TEMPERATURE, DUCT

Table 1: EZ Pressure Sensor Termination

| Output Signal | Power Terminal |
|---------------|------------------------------|
| 4 to 20 mA | 7 to 40 VDC |
| 0 to 5 VDC | 7 to 40 VDC or 18 to 28 VAC |
| 0 to 10 VDC | 13 to 40 VDC or 18 to 28 VAC |

| Gnd/4-20mA Terminal | Voltage Output Terminal |
|--|---|
| 4 to 20 mA Signal To Controller Analog Input | Not Used |
| To Controller Ground | 0 to 5 VDC Signal To Controller Analog Input |
| To Controller Ground | 0 to 10 VDC Signal To Controller Analog Input |

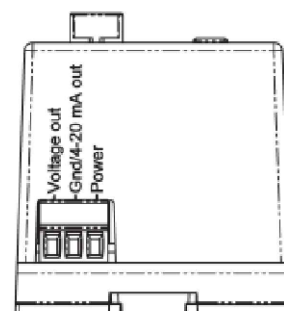
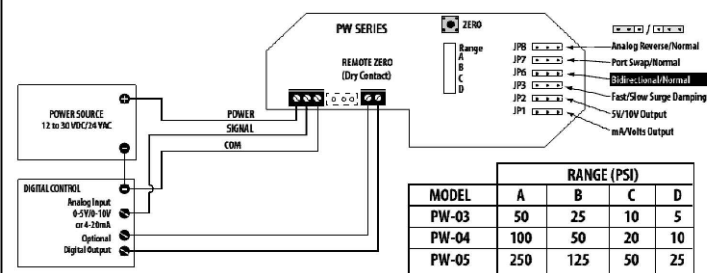
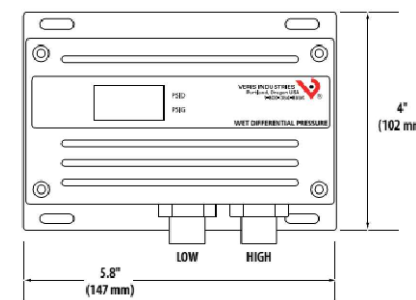


Fig 7: Wiring terminations

2200 PRESSURE, ZPS DP STD RANGE

2201 PRESSURE, ZPS DP LOW RANGE



2202 PRESSURE, VERIS WET DP

Electrical connections to the Series 605 Transmitter are made to the two-screw terminal strip on the rear of the case. Polarity is indicated by + and - signs stamped on side. The schematic diagram of the Series 605 transmitter is illustrated in Figure B.

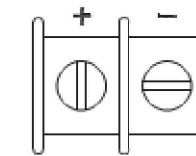


Figure A

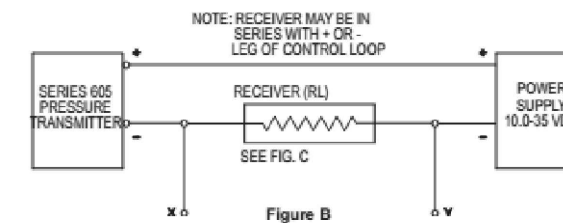


Figure B

2203 PRESSURE, DUCT DP, DWYER 605 SERIES



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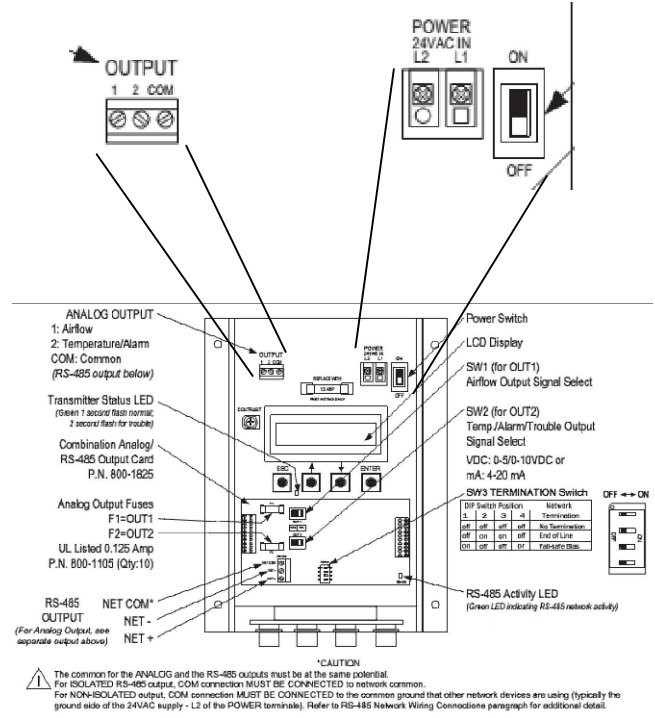
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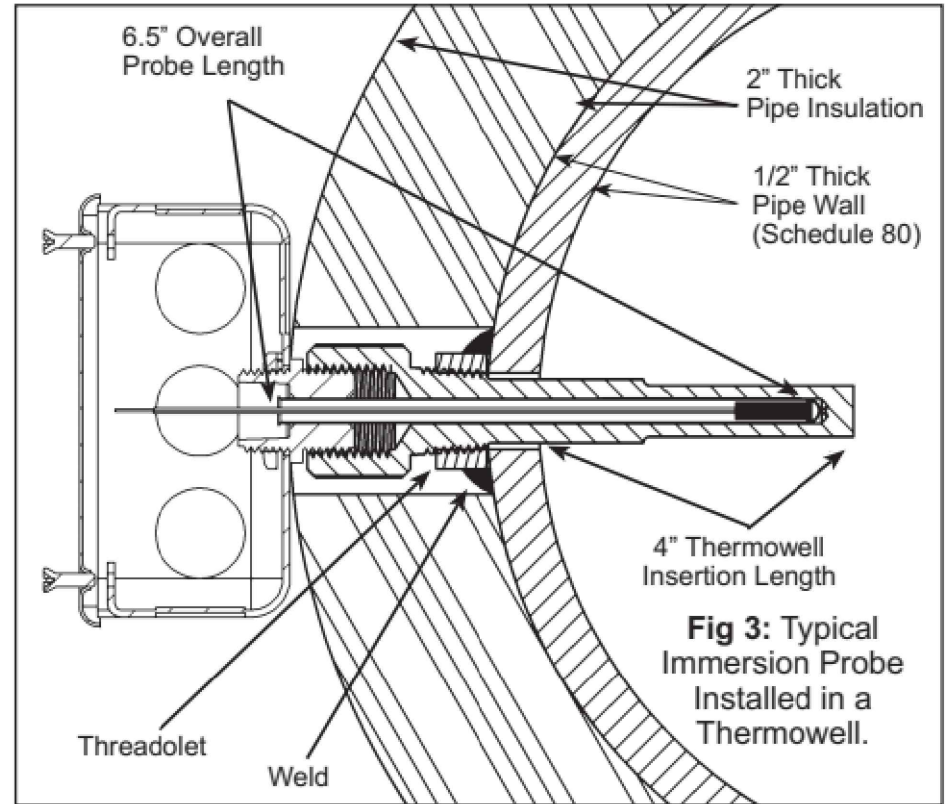
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ENGINEER: Temperature Control Services, LLC
CONTRACT WITH: MSD Washington Township
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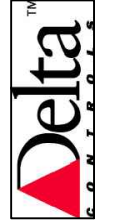
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JOB NUMBER:
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2300 FLOW, AFMS, EBTRON GOLD



907 BAPI IMMERSION TEMPERATURE THERMOWELL



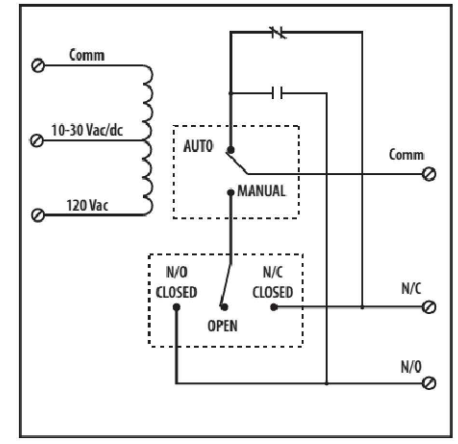
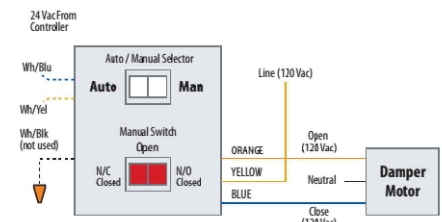
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JOB NUMBER: J-2408004

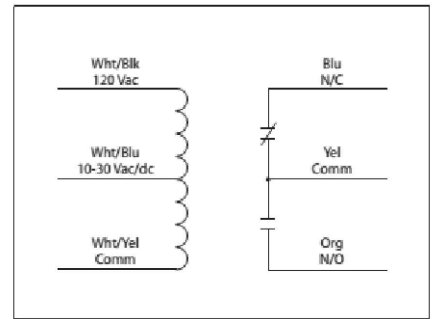


3000 RELAY, RIB PANEL-MOUNT MU1SC

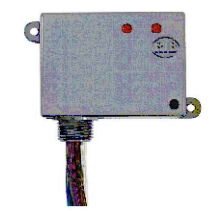


Coil Voltage Input:
 10-30 Vac/dc ; 120 Vac ; 50-60 Hz (RIBU1C)
 10-30 Vac/dc ; 208-277 Vac ; 50-60 Hz (RIBH1C)
 Drop Out = 2.1 Vac / 2.8 Vdc
 Pull In = 9 Vac / 10 Vdc

Contact Ratings:
 10 Amp Resistive @ 277 Vac
 10 Amp Resistive @ 28 Vdc
 480 VA Pilot Duty @ 240-277 Vac
 480 VA Ballast @ 277 Vac
Not rated for Electronic Ballast
 600 Watt Tungsten @ 120 Vac (N/O)
 240 Watt Tungsten @ 120 Vac (N/C)
 1/3 HP @ 120-240 Vac (N/O)
 1/6 HP @ 120-240 Vac (N/C)
 1/4 HP @ 277 Vac (N/O)
 1/8 HP @ 277 Vac (N/C)

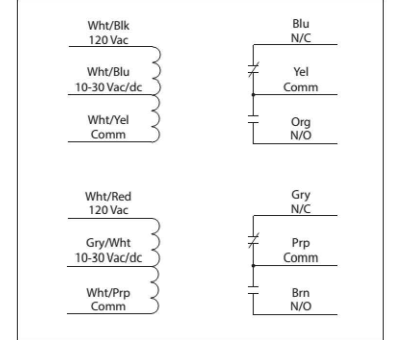


3001 RELAY, RIB FIELD-MOUNT RIBU1C

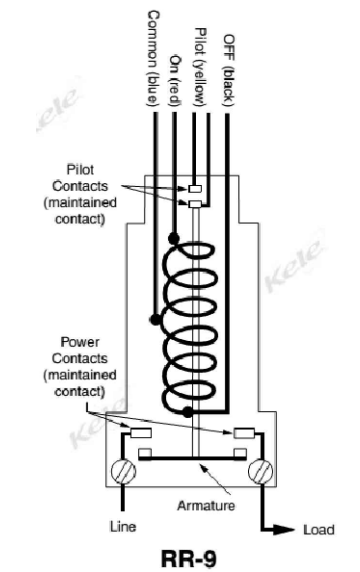
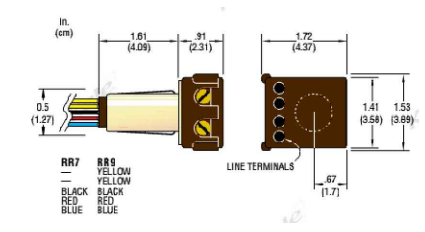


Coil Voltage Input:
 10-30 Vac/dc ; 120 Vac ; 50-60 Hz (RIBU1C)
 10-30 Vac/dc ; 208-277 Vac ; 50-60 Hz (RIBH1C)
 Drop Out = 2.1 Vac / 2.8 Vdc
 Pull In = 9 Vac / 10 Vdc

Contact Ratings:
 10 Amp Resistive @ 277 Vac
 10 Amp Resistive @ 28 Vdc
 480 VA Pilot Duty @ 240-277 Vac
 480 VA Ballast @ 277 Vac
Not rated for Electronic Ballast
 600 Watt Tungsten @ 120 Vac (N/O)
 240 Watt Tungsten @ 120 Vac (N/C)
 1/3 HP @ 120-240 Vac (N/O)
 1/6 HP @ 120-240 Vac (N/C)
 1/4 HP @ 277 Vac (N/O)
 1/8 HP @ 277 Vac (N/C)

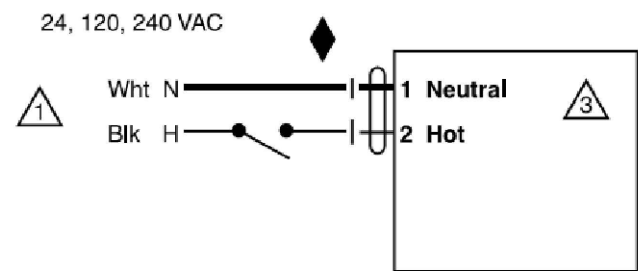


3002 RELAY, RIB FIELD-MOUNT RIBU2C



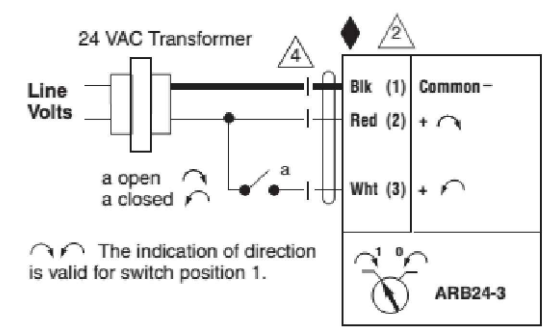
3100 RELAY, LIGHTING, LATCHING RR-9

- 1 Provide overload protection and disconnect as required.
- 2 **CAUTION Equipment Damage!** Actuators may be connected in parallel. Power consumption and input impedance must be observed.
- 3 No ground connection is required.



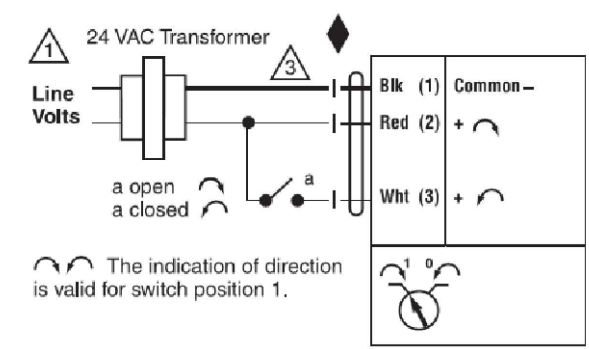
3200 BELIMO NFBUP-R ACT (ON-OFF)

- 2 **CAUTION Equipment damage!** Actuators may be connected in parallel. Power consumption and input impedance must be observed. For end position indication, interlock control, etc.,
- 4 Actuators may also be powered by 24 VDC.



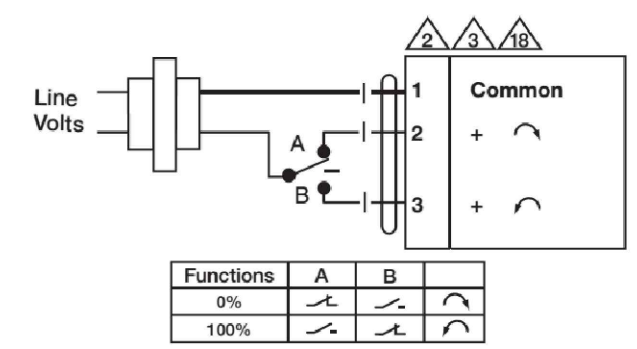
3201 BELIMO ARX24-3 ACT (ON-OFF, TS)

- 1 Provide overload protection and disconnect as required.
- 3 Actuators may also be powered by 24 VDC.

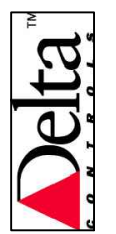


3202 BELIMO GRX24-3 ACT (ON-OFF, TS)

- 2 Actuators may be connected in parallel. Power consumption and input impedance must be observed.
- 3 Actuators may also be powered by 24 VDC.
- 18 Actuators with plenum rated cable do not have numbers on wires; use color codes instead.



3203 BELIMO CQB24-3 ACT (TS)



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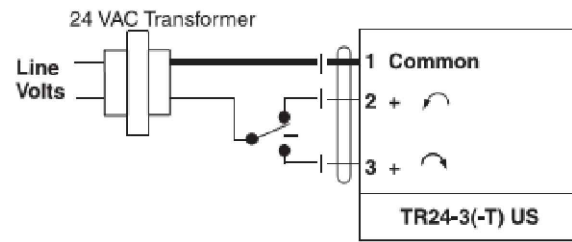
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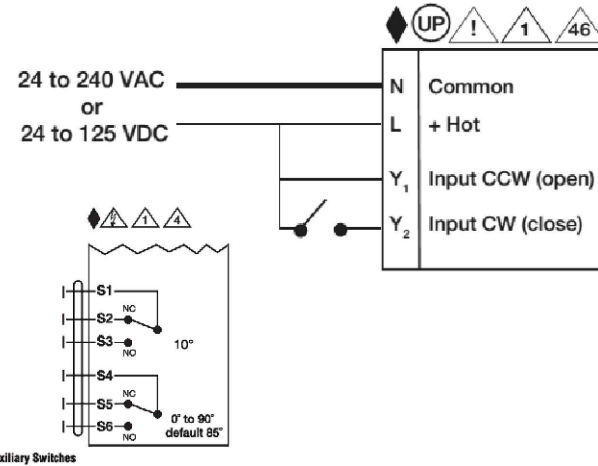
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 INST-04
 JOB NUMBER:
 J-2408004

NOTE: TR24-3(-T) US cannot be wired in parallel with themselves or any other actuator.



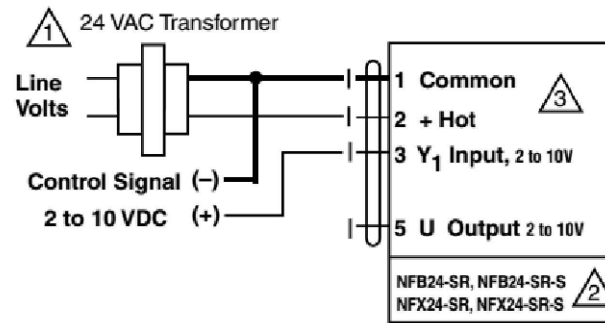
3204 BELIMO TR24-3 ACT (ON-OFF, TS)

- ◆ Meets cULus requirements without the need of an electrical ground connection.
- UP Universal Power Supply (UP) models can be supplied with 24 VAC up to 240 VAC, or 24 VDC up to 125 VDC.
- ⚡ Disconnect power.
- 1 Provide overload protection and disconnect as required.
- 4 Two built-in auxiliary switches (2x SPDT), for end position indication, interlock control, fan startup, etc.
- 46 Actuators may be controlled in parallel. Current draw and input impedance must be observed.



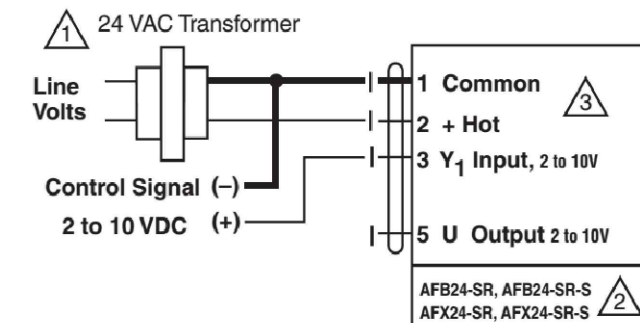
3205 BELIMO PRBUP-3-T ACT (ON-OFF, TS)

- 1 Provide overload protection and disconnect as required.
- 2 **CAUTION Equipment Damage!** Actuators may be connected in parallel. Power consumption and input impedance must be observed.
- 3 Actuator may also be powered by 24 VDC.



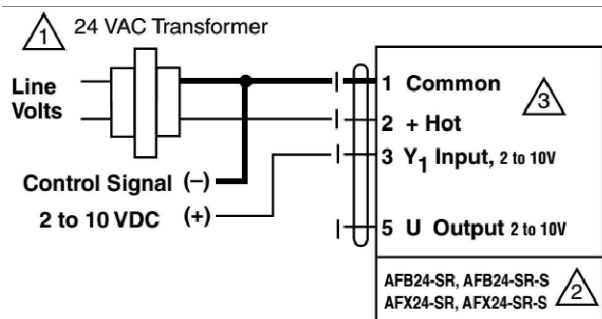
4200 BELIMO NFB24-SR ACT (2-10 VDC)

- 1 Provide overload protection and disconnect as required.
- 2 **CAUTION Equipment Damage!** Actuators may be connected in parallel. Power consumption and input impedance must be observed.
- 3 Actuator may also be powered by 24 VDC.



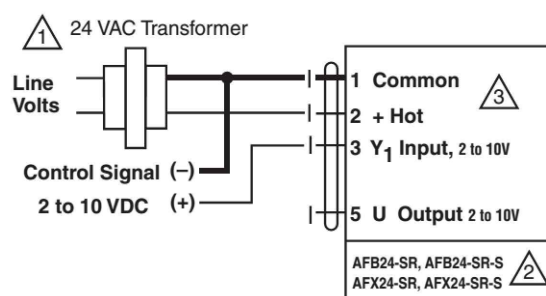
4201 BELIMO AFB24-SR ACT (2-10 VDC)

- 1 Provide overload protection and disconnect as required.
- 2 **CAUTION Equipment Damage!** Actuators may be connected in parallel. Power consumption and input impedance must be observed.
- 3 Actuator may also be powered by 24 VDC.



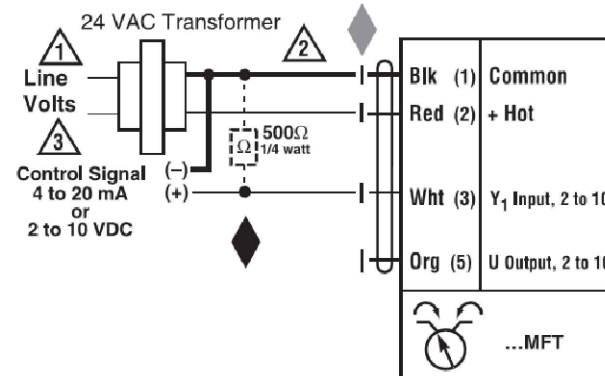
4202 BELIMO AFB24-SR ACT (2-10 VDC)

- 1 Provide overload protection and disconnect as required.
- 2 **CAUTION Equipment Damage!** Actuators may be connected in parallel. Power consumption and input impedance must be observed.
- 3 Actuator may also be powered by 24 VDC.



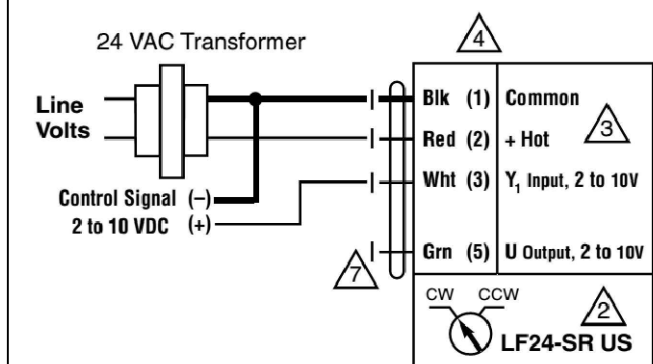
4203 BELIMO AFRB24-SR ACT (2-10 VDC)
BELIMO AFRX24-SR ACT (2-10 VDC)

- 1 Provide overload protection and disconnect as required.
- 2 **CAUTION Equipment Damage!** Actuators may be connected in parallel. Power consumption and input impedance must be observed.
- 3 Actuator may also be powered by 24 VDC.
- ◆ Meets UL requirements without the need of an electrical ground connection.
- ◆ The ZG-R01 500 Ω resistor may be used.



4204 BELIMO GKRX24-MFT ACT (2-10 VDC)

- 2 **CAUTION Equipment Damage!** Actuators may be connected in parallel. Power consumption and input impedance must be observed.
- 3 Actuator may also be powered by 24 VDC.
- 4 Actuators with plenum rated cable do not have numbers on wires; use color codes instead.
- 7 The LF24-SR-S US wire 5 is white.



4205 BELIMO LF24-SR ACT (2-10 VDC)



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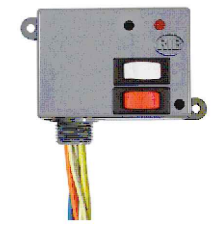
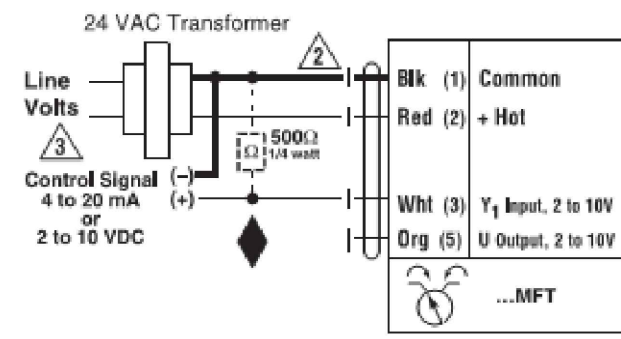
| REVISIONS | |
|-----------|---------|
| DATE | REMARKS |
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| | |

JOB TITLE: Operation Service Center (OSC)
LOCATION: MSD Washington Township, Indianapolis, IN
ENGINEER: Temperature Control Services, LLC
CONTRACT WITH: MSD Washington Township
DATE: 8/16/2024 CHK. BY: DRAWN BY: BSS

CONTRACT NO:

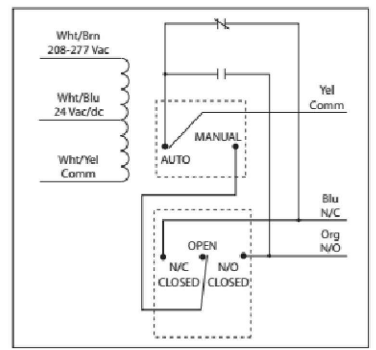
SHEET
INST-05
JOB NUMBER:
J-2408004

- 2 **CAUTION Equipment damage!**
Actuators may be connected in parallel.
Power consumption and input impedance must be observed.
- 3 Actuators may also be powered by 24 VDC.



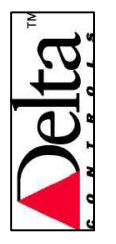
Coil Voltage Input:
 24 Vac/dc ; 120 Vac ; 50-60 Hz (RIB2401SBC)
 24 Vac/dc ; 208-277 Vac ; 50-60 Hz (RIB2402SBC)
 Drop Out = 2.1 Vac / 3.8 Vdc
 Pull In = 18 Vac / 22 Vdc

Contact Ratings:
 20 Amp Resistive @ 277 Vac
 20 Amp Ballast @ 277 Vac (N/O)
 10 Amp Ballast @ 277 Vac (N/C)
Not rated for Electronic Ballast
 10 Amp Tungsten @ 120 Vac (N/O)
 770 VA Pilot Duty @ 120 Vac
 1,110 VA Pilot Duty @ 277 Vac
 2 HP @ 277 Vac
 1 HP @ 120 Vac



4206 BELIMO ARB24-MFT ACT (2-10 VDC)

3104 RELAY, RIB FIELD-MOUNT RIB2401SBC



Temperature Control Services
 108 N MAIN
 ADVANCE, INDIANA 46102
 PHONE: 765.481.8510
 E-MAIL: NATHAN@TCSBAS.COM

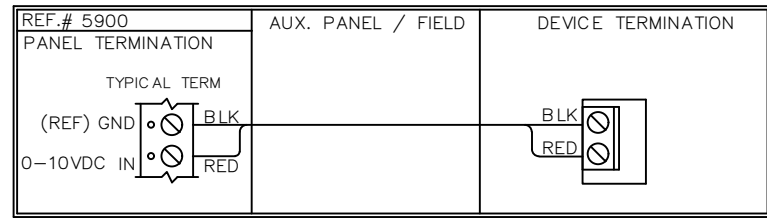
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| DATE | REMARKS |
| 8/22/2024 | ADDENDUM #1 |
| | ISSUED FOR CONST |
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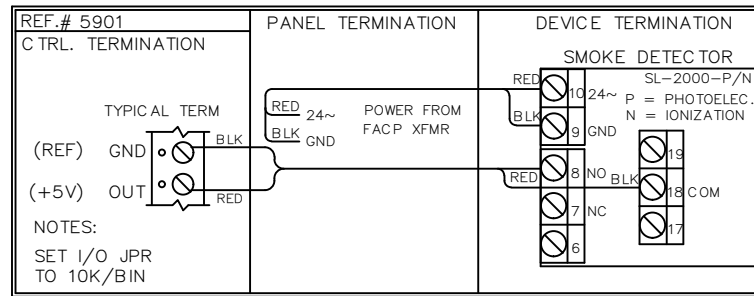
JOB TITLE: Operation Service Center (OSC)
 LOCATION: MSD Washington Township, Indianapolis, IN
 ENGINEER: Temperature Control Services, LLC
 CONTRACT WITH: MSD Washington Township
 DATE: 8/16/2024 CHK. BY: DRAWN BY: BSS

CONTRACT NO:

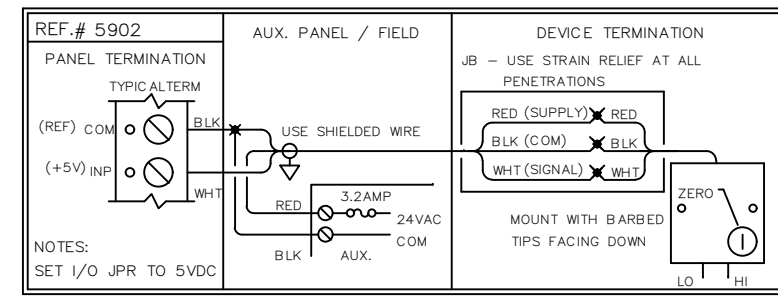
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 INST-06
 JOB NUMBER:
 J-2408004



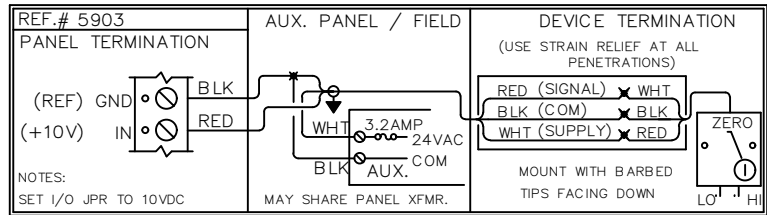
5900 DRY CONTACT INPUT (TO BAS)



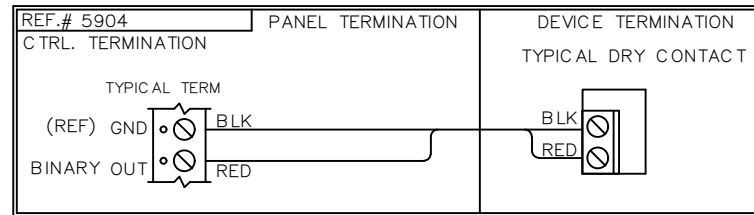
5901 SMOKE DETECTOR INPUT



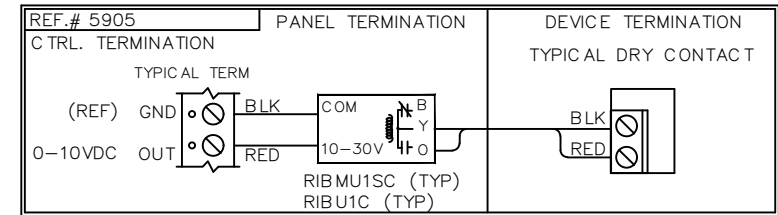
5902 0-5 VDC TRANSDUCER INPUT (TO BAS)



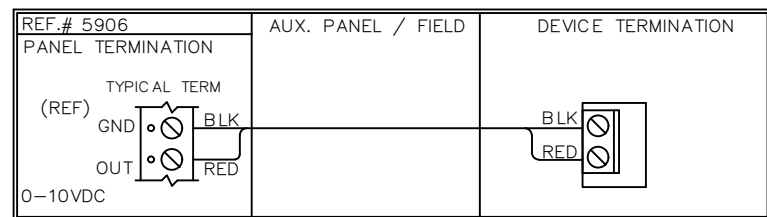
5903 0-10 VDC TRANSDUCER INPUT (TO BAS)



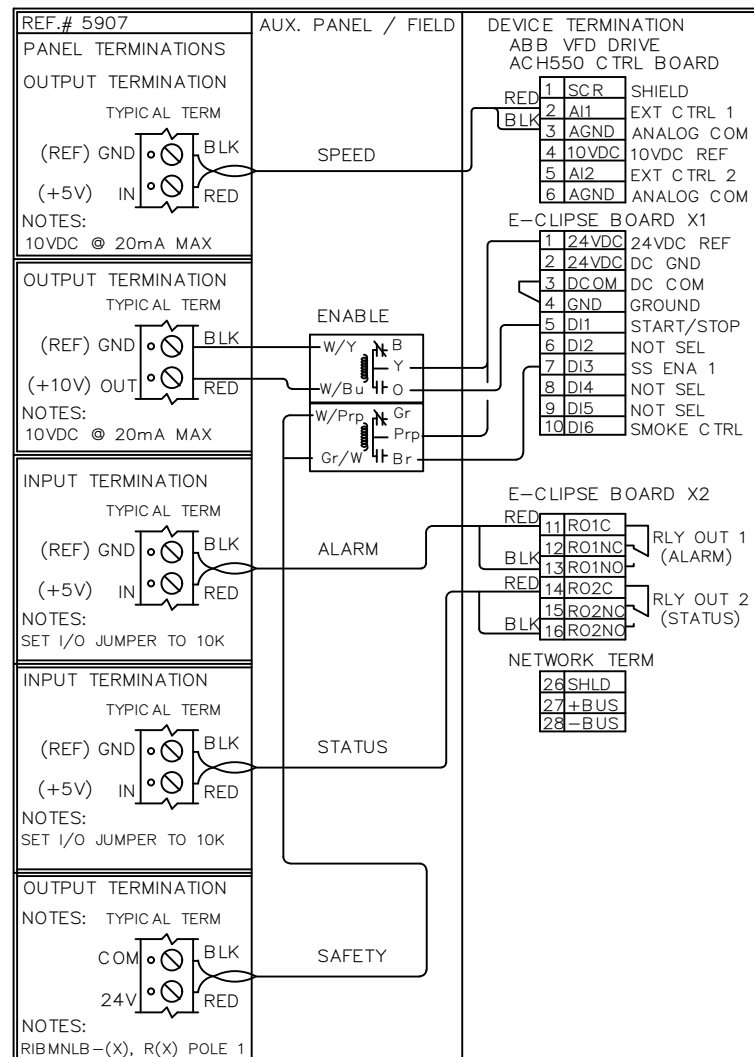
5904 PUMP / FAN ENABLE / DRY CONTACT (W/ BINARY OUT)



5905 PUMP / FAN ENABLE / DRY CONTACT (W/2-10VDC OUT)



5906 ANALOG OUTPUT (LEVEL / SPEED, ETC.)



5907 VFD CONNECTIONS, ABB ACH-550 DRIVE

NOTE:
 - THE DETAILS ON THIS PAGE ARE PROVIDED AS GENERAL REPRESENTATIONS OF TYPICAL APPLICATIONS ONLY!
 - WHENEVER POSSIBLE, ALWAYS FOLLOW THE ACTUAL MANUFACTURER'S INSTALLATION DETAILS.
 - ACTUAL TERMINATIONS MAY DIFFER SUBSTANTIALLY FROM THESE DETAILS - USE WITH CAUTION!



Temperature Control Services
 108 N MAIN
 ADVANCE, INDIANA 46102
 PHONE: 765.481.8510
 E-MAIL: NATHAN@TCSBAS.COM

| UPDATES | |
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| DATE | REMARKS |
| 8/22/2024 | ADDENDUM #1 |
| | ISSUED FOR CONST |
| | AS-BUILT |

| REVISIONS | |
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JOB TITLE: Operation Service Center (OSC)
 LOCATION: MSD Washington Township, Indianapolis, IN
 ENGINEER: Temperature Control Services, LLC
 CONTRACT WITH: MSD Washington Township
 DATE: 8/16/2024 CHK. BY: DRAWN BY: BSS

CONTRACT NO:
 SHEET INST-07
 JOB NUMBER: J-2408004

SECTION 238416.16 - INDOOR, MECHANICAL DEHUMIDIFICATION UNITS

PART 1 - GENERAL

1.1 SUMMARY

A. Section Includes:

1. Indoor, mechanical dehumidification units.

1.2 ACTION SUBMITTALS

A. Product Data:

1. For each type of product.
 - a. Include rated capacities, operating characteristics, electrical characteristics, and furnished specialties and accessories.

B. Sustainable Design Submittals:

1. Product Data: For energy performance.

C. Shop Drawings: For each indoor, mechanical dehumidification unit.

1. Include plans, elevations, sections and mounting details.
2. Include details of equipment assemblies. Indicate dimensions, weights, loads, required clearances, method of field assembly, components, and location and size of each field connection.
3. Detail fabrication and assembly of dehumidification units.
4. Vibration Isolation Base Details: Detail fabrication including anchorages and attachments to structure and to supported equipment. Include adjustable motor bases, rails, and frames for equipment mounting.
5. Include diagrams for power, signal, and control wiring.

D. Delegated Design Submittals: For indoor, mechanical dehumidification units.

1. Vibration Isolation Base Details: Detail fabrication including anchorages and attachments to structure and to supported equipment. Include adjustable motor bases, rails, and frames for equipment mounting.
2. Include design calculations for selecting vibration isolators and seismic restraints and for designing vibration isolation bases.

1.3 INFORMATIONAL SUBMITTALS

- A. Seismic Qualification Data: Certificates for indoor, mechanical dehumidification units, accessories, and components, from manufacturer.
 - 1. Basis for Certification: Indicate whether withstand certification is based on actual test of assembled components or on calculation.
 - 2. Dimensioned Outline Drawings of Equipment Unit: Identify center of gravity and locate and describe mounting and anchorage provisions.
 - 3. Detailed description of equipment anchorage devices on which the certification is based and their installation requirements.
- B. Product Test Reports: For each indoor, mechanical dehumidification unit, for tests performed by a qualified testing agency.
- C. Field quality-control reports.

1.4 CLOSEOUT SUBMITTALS

- A. Operation and Maintenance Data: For dehumidification units to include in emergency, operation, and maintenance manuals.

1.5 MAINTENANCE MATERIAL SUBMITTALS

- A. Furnish extra materials that match products installed and that are packaged with protective covering for storage and identified with labels describing contents.
 - 1. Filters: One set(s) of each type of filter specified.

1.6 QUALITY ASSURANCE

- A. Testing Agency Qualifications: An NRTL.

1.7 COORDINATION

- A. Coordinate sizes and locations of concrete bases. Cast anchor-bolt inserts into bases.
- B. Coordinate installation of roof curbs, equipment supports, and roof penetrations.

1.8 WARRANTY

- A. Special Warranty: Manufacturer agrees to repair or replace components of indoor, mechanical dehumidification units that fail in materials or workmanship within specified warranty period.

1. Warranty Period for Compressors: Manufacturer's standard, but not less than two years from date of Substantial Completion.
2. Warranty Period for Refrigerant Coils: Manufacturer's standard, but not less than two years from date of Substantial Completion.

PART 2 - PRODUCTS

2.1 PERFORMANCE REQUIREMENTS

- A. Electrical Components, Devices, and Accessories: Listed and labeled as defined in NFPA 70, by a qualified testing agency, and marked for intended location and application.
- B. Seismic Performance: Dehumidification units are to withstand the effects of earthquake motions determined according to ASCE/SEI 7.
 1. The term "withstand" means "the unit will remain in place without separation of any parts when subjected to the seismic forces specified and the unit will be fully operational after the seismic event."
 2. Component Importance Factor: 1.0.
- C. ASHRAE/IES 90.1 Compliance: Applicable requirements in ASHRAE/IES 90.1.
- D. ASHRAE 15 Compliance: "Safety Standard for Refrigeration Systems."

2.2 INDOOR, MECHANICAL DEHUMIDIFICATION UNITS

- A. Manufacturers: Subject to compliance with requirements, provide products by one of the following:
 1. Dectron Internationale.
 2. Dehumidifier Corporation of America.
 3. Desert Aire.
 4. DryAire Systems.
 5. MSP Technology, LLC.
 6. PoolPak Technologies Corporation.
 7. Thermoplus Air Inc.
 8. Quest.
- B. Casings:
 1. Casing: Single -wall construction with interior corrosion-resistant coating and exterior powder-coated steel or aluminum, stainless steel fasteners, knockouts for electrical and piping connections, condensate drain connection, and lifting lugs.
 - a. Access: Removable panels with neoprene compression gaskets and cam latches.

- b. Airstream Surfaces: Surfaces in contact with the airstream are to comply with requirements in ASHRAE 62.1.
- 2. Drain Pan and Connection: Stainless steel; insulated and complying with ASHRAE 62.1.
- C. Filters:
 - 1. Pleated:
 - a. Thickness: Manufacturer's standard depth.
 - b. MERV Rating: MERV 11 , according to ASHRAE 52.2.
- D. Refrigeration System:
 - 1. Refrigerant Coils with Multiple Refrigerant Circuits:
 - a. Tubes: Copper.
 - b. Fins:
 - 1) Material: Aluminum Copper.
 - 2) Fin Spacing: Maximum 10 fins per inch.
 - c. Fin and Tube Joints: Mechanical bond.
 - d. Headers: Seamless-copper headers with brazed connections.
 - e. Frames: Galvanized-steel Stainless steel frame.
 - f. Ratings: Designed, tested, and rated according to ASHRAE 33 and AHRI 410.
 - g. Source Quality Control: Factory test to minimum 450-psig internal pressure and to minimum 300-psig internal pressure while underwater.
 - 2. Compressors: Hermetic, scroll compressors with integral vibration isolators and crankcase heaters that de-energize during compressor operation; with thermal-expansion valves, filter-dryers, sight glasses, compressor service valves, and liquid- and suction-line service valves.
 - a. Minimum Number of Refrigerant Circuits: Two for compressor capacities of more than 7-1/2 tons.
 - b. Refrigerant: R-410A.
 - c. Capacity Control:
 - 1) Hot-gas bypass valve and piping on one compressor.
 - 2) Cycle compressor.
 - d. Low-Pressure Cutout: Manual reset after three automatic-reset failures.
 - e. High-Pressure Cutout: Manual reset.
 - f. Compressor Motor Overload Protection: Manual reset.
 - g. Antirecycling Timing Device: Prevent compressor restart for five minutes after shutdown.

3. Energy Recovery Heat Exchanger (Pool Heater): Cupronickel, coaxial, vented, double-wall construction for potable-water service.

E. Controls:

1. Comply with requirements in Section 230923 "Direct Digital Control (DDC) System for HVAC" for control equipment and in Section 230993.11 "Sequence of Operations for HVAC DDC."
2. Interface with DDC System for HVAC: Factory-installed hardware and software to enable the DDC system for HVAC to monitor, control, and display status and alarms.
3. Operating Control, Ice Rinks: Space humidistat cycles the compressor. Humidistat is to incorporate fan on-off-auto switch.

2.3 MATERIALS

A. Steel:

1. ASTM A36/A36M for carbon structural steel.
2. ASTM A568/A568M for steel sheet.

B. Stainless Steel:

1. Manufacturer's standard grade for casing.
2. Manufacturer's standard type, ASTM A240/240M for bare steel exposed to airstream or moisture.

C. Galvanized Steel: ASTM A653/A653M.

D. Aluminum: ASTM B209.

E. Comply with Section 230546 "Coatings for HVAC" for corrosion-resistant coating.

F. Corrosion-Resistant Coating: Coat with a corrosion-resistant coating capable of withstanding a 3,000 -hour salt-spray test according to ASTM B117.

1. Standards:

- a. ASTM B117 for salt spray.
- b. ASTM D2794 for minimum impact resistance of 100 in./lb.
- c. ASTM B3359 for cross hatch adhesion of 5B.

2. Application: Spray.

3. Thickness: 1 mil.

4. Gloss: Minimum gloss of 60 on a 60-degree meter.

2.4 SOURCE QUALITY CONTROL

- A. Verification of Performance: Factory test and rate dehumidification units according to AHRI 910.
- B. Sound-Power-Level Ratings: Factory test and rate dehumidification units according to AHRI 575.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine areas and conditions, with Installer present, for compliance with requirements for installation tolerances and other conditions affecting performance of the Work.
- B. Examine roughing-in for refrigerant piping systems to verify actual locations of piping connections before equipment installation.
- C. Examine walls, floors, and roofs for suitable conditions where dehumidification units will be installed.
- D. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 PIPING CONNECTIONS

- A. Where piping is installed adjacent to dehumidification units, allow space for service and maintenance of dehumidification units.
- B. Connect piping to dehumidification units mounted on vibration isolators with flexible connectors.
- C. Connect condensate drain pans using minimum NPS 1-1/4 copper tubing. Extend to nearest equipment or floor drain. Construct deep trap at connection to drain pan, and install cleanout at changes in direction.
- D. Refrigerant Piping: Comply with requirements in Section 232300 "Refrigerant Piping." Connect to supply and return coil tappings with shutoff valve and union or flange at each connection.
- E. Steam and Condensate Piping: Comply with requirements in Section 232213 "Steam and Condensate Heating Piping" and Section 232216 Steam and Condensate Heating Piping Specialties." Connect with shutoff valve and union or flange.

3.3 CONTROL CONNECTIONS

- A. Install control and electrical power wiring to field-mounted control devices.
- B. Connect control wiring between control devices.
- C. Connect control wiring according to Section 260523 "Control-Voltage Electrical Power Cables."

3.4 FIELD QUALITY CONTROL

- A. Testing Agency:
 - 1. Owner will engage a qualified testing agency to perform tests and inspections.
 - 2. Engage a qualified testing agency to perform tests and inspections.
- B. Dehumidification unit will be considered defective if it does not pass tests and inspections.
- C. Prepare test and inspection reports.

3.5 CLEANING

- A. Clean dehumidification units internally, on completion of installation, according to manufacturer's written instructions. Clean fan interiors to remove foreign material and construction dirt and dust. Vacuum clean fan wheels, cabinets, and coils' entering-air face.
- B. After completing system installation, testing, and startup service of dehumidification units, clean filter housings and install new filters.

3.6 ADJUSTING

- A. Adjust damper linkages for proper damper operation.
- B. Adjust initial temperature and humidity set points.

3.7 STARTUP SERVICE

- A. Perform startup service.
 - 1. Complete installation and startup checks according to manufacturer's written instructions.
- B. Perform the following final checks before startup:
 - 1. Verify that shipping, blocking, and bracing are removed.

2. Verify that unit is secure on mountings and supporting devices and that connections to piping, ducts, and electrical systems are complete. Verify that proper thermal-overload protection is installed in motors, starters, and disconnect switches.
3. Perform cleaning and adjusting specified in this Section.
4. Disconnect fan drive from motor, verify proper motor rotation direction, and verify free fan wheel rotation and smooth bearing operations. Reconnect fan drive system, align belts, and install belt guards.
5. Check lubrication of bearings, pulleys, belts, and other moving parts.
6. Set outside- and return-air mixing dampers to minimum outside-air setting.
7. Install clean filters.
8. Verify that manual and automatic volume control and fire and smoke dampers in connected duct systems are in fully open position.

C. Starting procedures for dehumidification units include the following:

1. Energize motor; verify proper operation of motor, drive system, and fan wheel. Adjust fan to indicated rpm. Replace malfunctioning motors, bearings, and fan wheels.
2. Measure and record motor's electrical values for voltage and amperage.
3. Manually operate dampers from fully closed to fully open position and record fan performance.

D. Comply with requirements in Section 230593 "Testing, Adjusting, and Balancing for HVAC" for testing, adjusting, and balancing of dehumidification unit.

E. Startup Report: Report findings during startup. Identify startup steps, corrective measures taken, and final results.

3.8 DEMONSTRATION

- A. Train Owner's maintenance personnel to adjust, operate, and maintain dehumidification units.

END OF SECTION 238416.16

6 5 4 3 2 1

BUILDING AREA:
FIRST FLOOR: 164,437 SQ. FT.
SECOND FLOOR: 68,000 SQ. FT.
TOTAL: 232,437 SQ. FT.
RENOVATION AREAS: 41,843 SQ. FT.

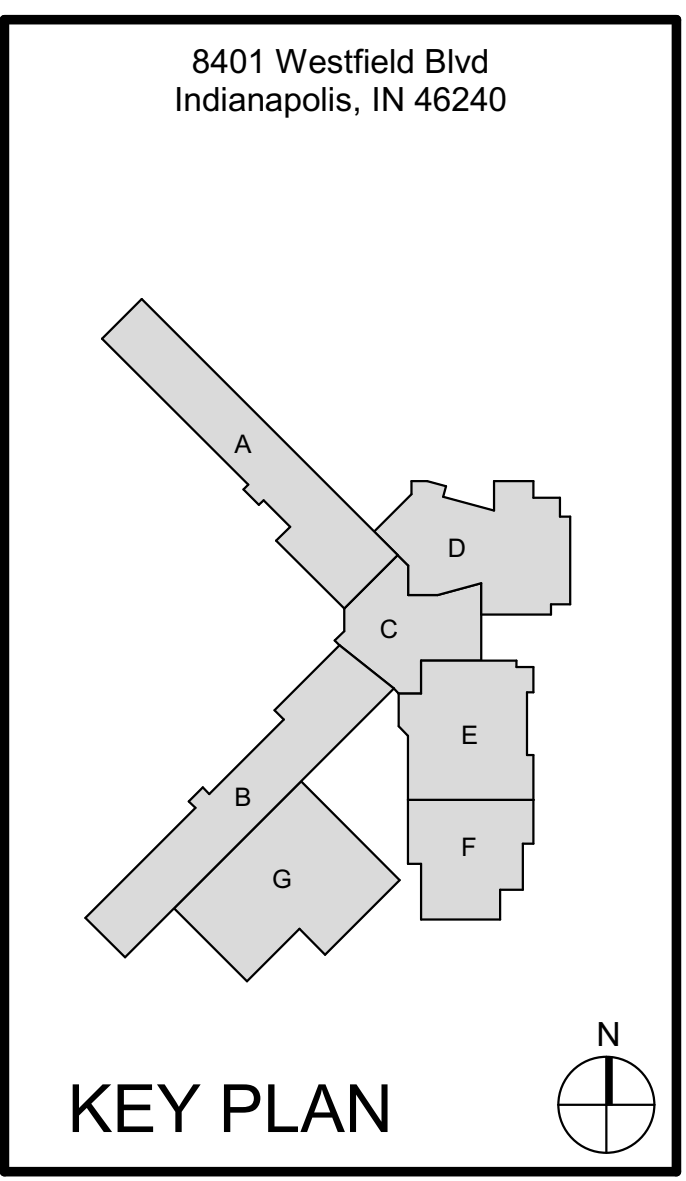
| CODE SUMMARY | |
|-----------------------------------|---|
| APPLICABLE CODE: | 2014 Indiana Building Code General Administrative Rules (GAR) |
| BUILDING DESCRIPTION: | The existing 2-story building is the Northview Middle School. The original portion of the existing building was constructed in 1958, with classroom and gymnasium additions in 1974. The building has 161,028 sq ft on the 1st floor, and 68,138 sq ft on the 2nd floor. The building is Type IIB Construction. |
| SCOPE OF PROJECT: | The project involves conversion of several areas from previous E Occupancy for use as the Washington Township Schools Services Center. Approximately 87,595 sq ft will be converted to office and administrative functions (B Occupancy) and 14,180 sq ft will be converted to storage use (S-1 Occupancy). The Services Center functions will include school district administrative offices and technology services, professional faculty development, technology department, and school district storage. The existing True North Alternative School will continue to operate in the spaces where currently operating. Construction scope includes window replacement, update finishes, reconfiguration of portions of the alternative school area, and minor reconfiguration of office areas for new departments. Variance 24-04-63 was approved to permit the proposed partial change of occupancy without complying with either Sec. 3412 or the rules of the Commission for new construction. [Rule 5 GAR] |
| CODE STRATEGY: | Administrative offices and related functions - B Occupancy [304.1] True North alternative school, existing school auditorium - E Occupancy [305.1, 303.1.3] Storage - S-1 Occupancy [311.2] |
| OCCUPANCY CLASSIFICATIONS: | |
| CONSTRUCTION TYPE: | Type IIB Construction existing |
| AUTOMATIC SPRINKLERS: | Automatic sprinklers are not existing in the building and are not required based upon the scope of renovation and approval of Variance 24-04-63. |
| FIRE ALARM SYSTEM: | A fire alarm system is existing throughout the building, and will be maintained. |
| SMOKE DETECTORS: | Smoke detectors will be provided in storage rooms and adjoining corridor in the northwest wing where conversion to storage occurs. |



| | |
|--------------|--------------|
| Project No. | 2019-067.WSC |
| Project Date | 07.31.2024 |
| Produced | SS TM |

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| # | Revision | Date |
|----|-------------|------------|
| A1 | ADDENDUM #1 | 08.22.2024 |



M.S.D. of Washington Township

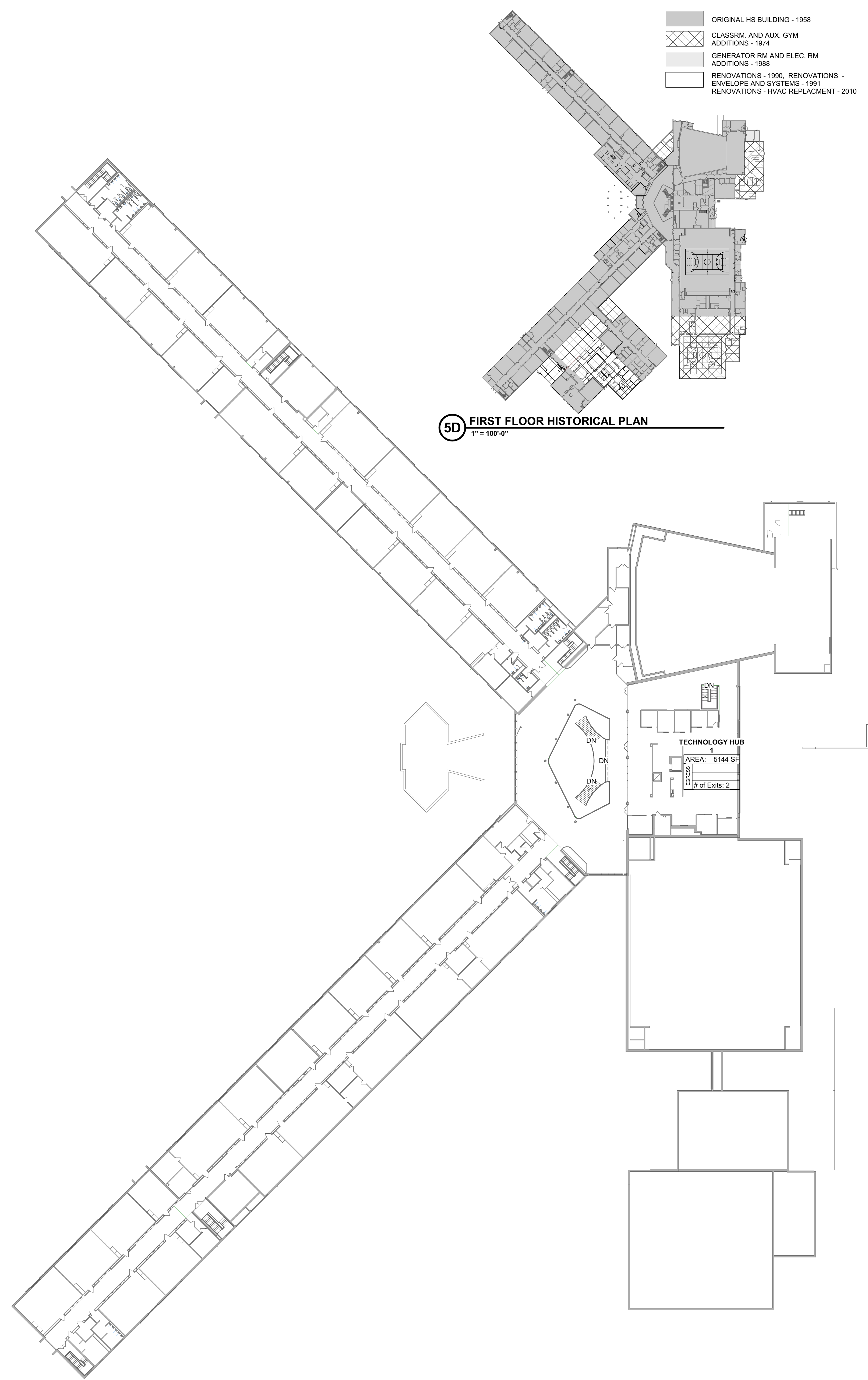
SERVICES CENTER RENOVATION - PHASE 6B

FIRE AND LIFE SAFETY PLANS

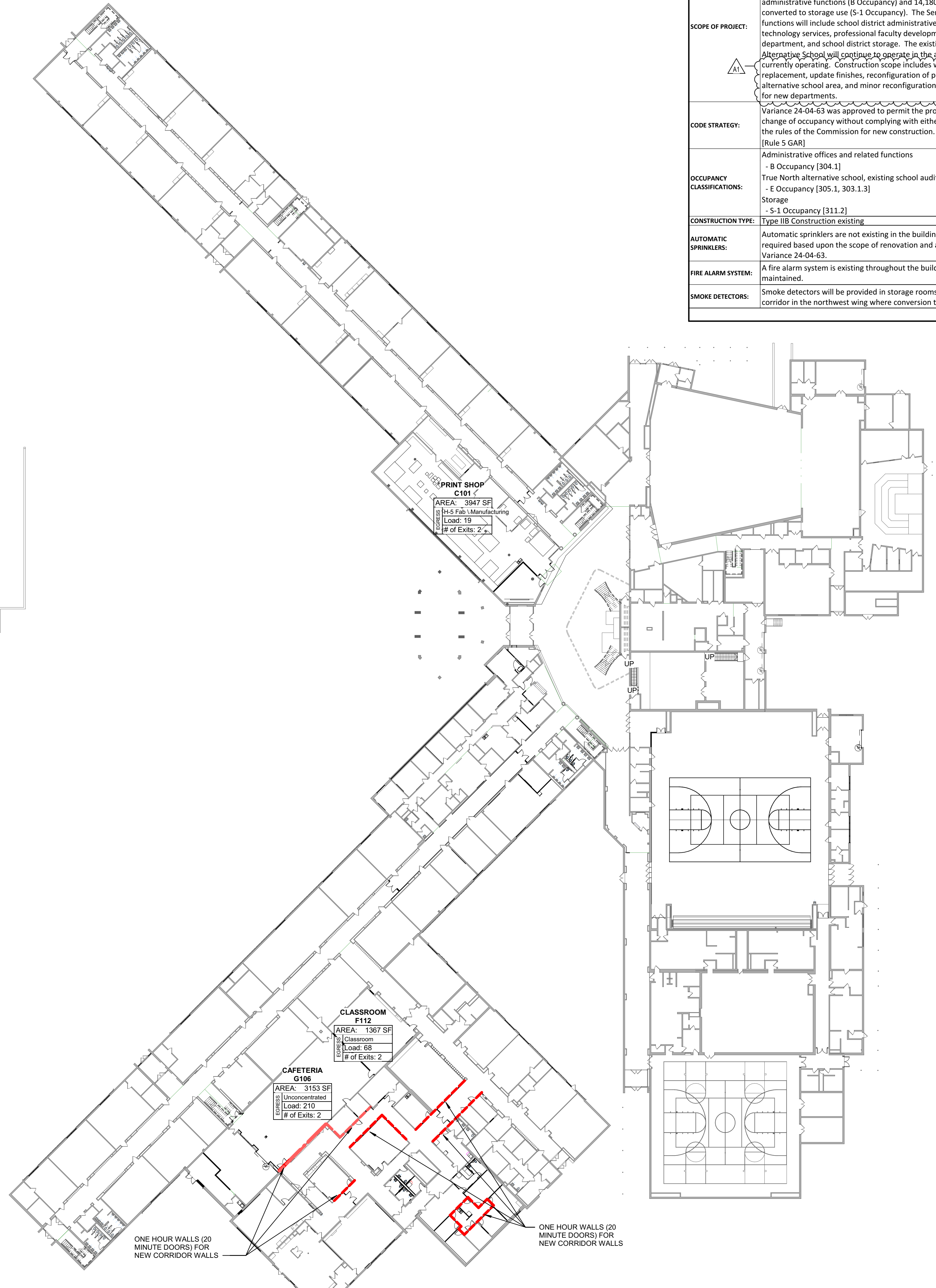
G-100

- ORIGINAL HS BUILDING - 1958
- CLASSRM. AND AUX. GYM ADDITIONS - 1974
- GENERATOR RM AND ELEC. RM ADDITIONS - 1988
- RENOVATIONS - 1990, RENOVATIONS - ENVELOPE AND SYSTEMS - 1991
- RENOVATIONS - HVAC REPLACEMENT - 2010

5D FIRST FLOOR HISTORICAL PLAN
1" = 100'-0"



4A SECOND FLOOR FIRE AND LIFE SAFETY PLAN
1/32" = 1'-0"



1A FIRST FLOOR FIRE AND LIFE SAFETY PLAN
1/32" = 1'-0"

6 5 4 3 2 1

DATE PLOTTED: 08/22/2024 10:58:11 AM
 PLOTTER: HP DesignJet T1100e
 FILE: G:\Projects\2019-067.WSC\Drawings\4A Second Floor Fire and Life Safety Plan.dwg
 USER: jsmith
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REFER TO A-001 FOR GENERAL DEMOLITION NOTES.

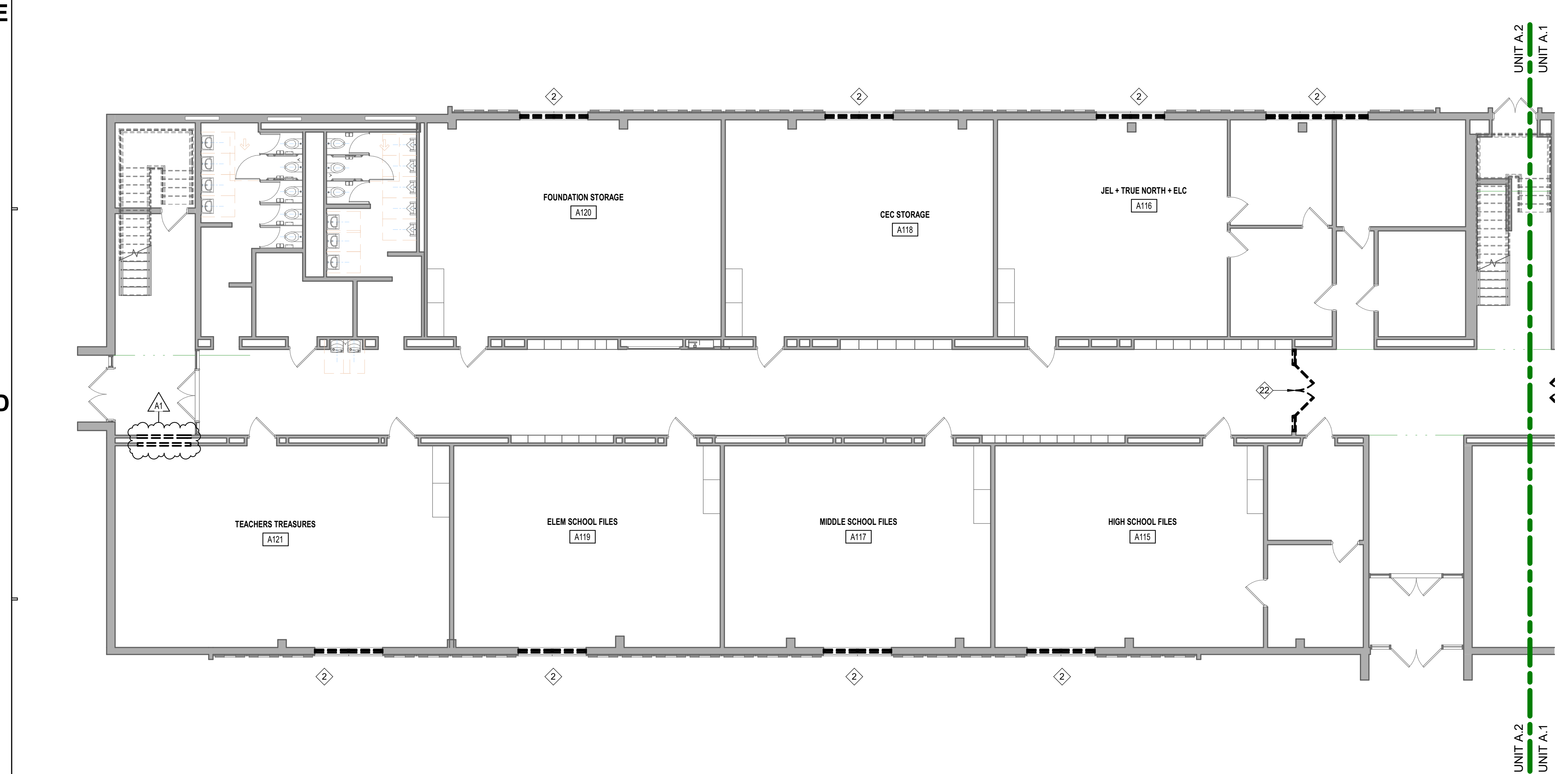
DEMOLITION FLOOR PLAN NOTES

| # | NOTE |
|----|---|
| 1 | REMOVE EXISTING INTERIOR WALL CONSTRUCTION IN ITS ENTIRETY TO LIMITS INDICATED INCLUDING, BUT NOT LIMITED TO DOORS, FRAMES, WANSCOTING, 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. PATCH AND REPAIR EXISTING ADJACENT SURFACES TO REMAIN AND PREP FOR NEW CONSTRUCTION. |
| 2 | REMOVE EXISTING WINDOW SYSTEM OR STOREFRONT 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. |
| 3 | 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. |
| 4 | REMOVE EXISTING CORRIDOR LOCKER(S) IN ITS ENTIRETY INCLUDING, BUT NOT LIMITED TO THE LOCKERS, TRIMS, CURB, BULKHEAD AND ALL ASSOCIATED ANCHORS TO LIMITS INDICATED. PROTECT ADJACENT LOCKERS, CURBS AND BULKHEAD TO REMAIN. PATCH AND REPAIR EXISTING SURFACES TO REMAIN AND PREP FOR NEW CONSTRUCTION. |
| 5 | REMOVE EXISTING VCT FLOORING IN ITS ENTIRETY INCLUDING, BUT NOT LIMITED TO THE VCT, ADHESIVES, TRANSITION STRIPS AND ALL ASSOCIATED WALL BASE. PATCH AND REPAIR EXISTING SURFACES TO REMAIN AND PREP FOR NEW CONSTRUCTION/FINISH. |
| 6 | REMOVE EXISTING CASEWORK IN ITS ENTIRETY INCLUDING, BUT NOT LIMITED TO WALL CABINETS, BASE CABINETS, COUNTERTOPS, FILL PANELS, SINKS AND ALL RELATED TRIMS. PATCH AND REPAIR ALL EXISTING ADJACENT SURFACES TO REMAIN AND PREP FOR NEW CONSTRUCTION/FINISH. |
| 7 | 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. |
| 8 | REMOVE EXISTING GYPSUM BOARD BULKHEAD IN ITS ENTIRETY INCLUDING, BUT NOT LIMITED TO THE GYPSUM BOARD, STUD FRAMING AND ALL ASSOCIATED ANCHORS. PATCH AND REPAIR ALL ADJACENT SURFACES TO REMAIN AND PREP FOR NEW CONSTRUCTION/FINISH. |
| 9 | REMOVE ALL FOOD SERVICE EQUIPMENT IN ITS ENTIRETY. |
| 10 | REMOVE EXISTING RESINOUS FLOORING AND COVE BASE. |
| 11 | 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/FINISH. |
| 12 | REMOVE EXISTING FLAGS AND HOLDERS, PATCH AND REPAIR WALLS AND PREP FOR NEW PAINT. |
| 13 | REMOVE EXISTING MARKER/CHALK AND TACK BOARDS IN THEIR ENTIRETY AND ALL RELATED ANCHORS AND ADHESIVES. PATCH AND PREP EXISTING WALL SURFACES TO REMAIN FOR NEW CONSTRUCTION/FINISH. |
| 14 | 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/FINISH. |
| 15 | REMOVE EXISTING EXTERIOR WALL CONSTRUCTION FOR NEW WINDOW. |
| 16 | REMOVE BULKHEAD ABOVE CASEWORK TO BE DEMOLISHED. |
| 17 | REMOVE EXISTING WALL CONSTRUCTION FOR NEW INTERIOR DOOR AND FRAME. |
| 18 | REMOVE EXISTING STAGE CONSTRUCTION IN ITS ENTIRETY. |
| 19 | REMOVE HALF WALLS IN THEIR ENTIRETY. |
| 20 | REMOVE EXISTING CARPET FLOOR FINISH IN ITS ENTIRETY INCLUDING, BUT NOT LIMITED TO THE CARPET, ADHESIVES/TACK STRIPS, TRANSITION STRIPS AND ALL ASSOCIATED WALL BASE. PATCH AND REPAIR EXISTING SURFACES TO REMAIN AND PREP FOR NEW CONSTRUCTION/FINISH. |

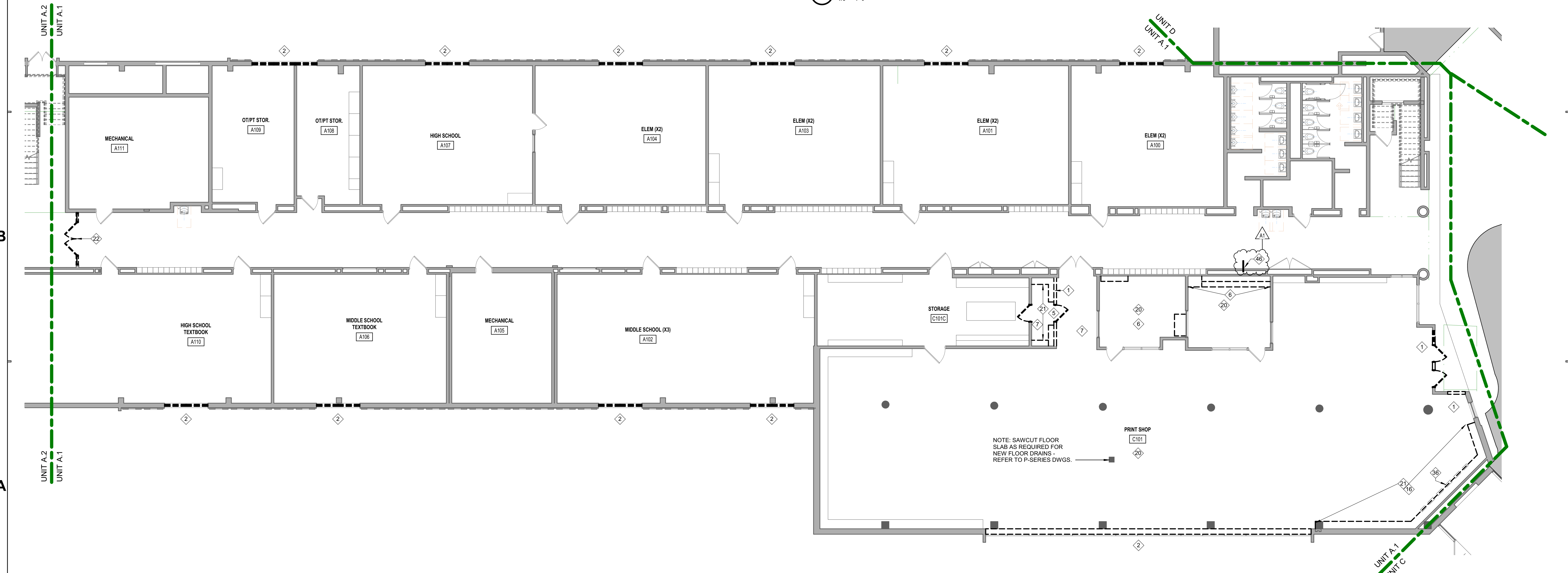
DEMOLITION FLOOR PLAN NOTES

| # | NOTE |
|----|--|
| 21 | REMOVE WALL SHELVING IN ITS ENTIRETY. PATCH AND REPAIR EXISTING ADJACENT SURFACES TO REMAIN. |
| 22 | REMOVE DOORS, HARDWARE, AND CENTER MULLION (IF APPLICABLE) FROM EXISTING FRAME TO REMAIN. |
| 23 | REMOVE EXISTING TOILET PARTITION SYSTEMS IN THEIR ENTIRETY. PATCH AND REPAIR EXISTING SURFACES TO REMAIN. PREPARE SURFACES TO REMAIN TO RECEIVE NEW CONSTRUCTION/FINISH. |
| 24 | EXISTING PLUMBING FIXTURE TO BE REMOVED. REFER TO P-SERIES DWGS. PATCH AND REPAIR EXISTING SURFACES TO REMAIN. |
| 25 | REMOVE PORTION OF EXISTING WALL AS REQUIRED FOR NEW INTERIOR WINDOW OPENING. VERIFY LOCATION IN FIELD WITH ARCHITECT PRIOR TO CUTTING VESTIBULE MARBLE. OPENING SHALL ALIGN WITH EXISTING MARBLE JOINTS. V.I.F. |
| 26 | REMOVE CEILING PANELS FROM EXISTING GRID TO REMAIN. |
| 27 | REMOVE TELECOM PANELS/BOARD. REFER TO T-SERIES DWGS. COORDINATE REMOVAL WITH OWNER PRIOR TO DISCONNECTION. |
| 28 | REMOVE THROUGH-WALL MAILBOX SYSTEM. PREPARE OPENING TO RECEIVE NEW WALL CONSTRUCTION. |
| 29 | 09 54 89.99 - REPAIR AND REFINISH WOOD FLOORING. REFER TO I-SERIES DWGS. |
| 30 | REMOVE EXISTING DISPLAY CASE IN ITS ENTIRETY INCLUDING, BUT NOT LIMITED TO DISPLAY DOORS, SHELVES, ALL HARDWARE, RAILS AND ALL RELATED TRIMS. PATCH AND REPAIR ALL EXISTING ADJACENT SURFACES TO REMAIN AND PREP FOR NEW CONSTRUCTION/FINISH. |
| 31 | REMOVE WALL PADS AND DOOR PADS IN THEIR ENTIRETY. PREPARE SURFACES TO RECEIVE NEW WALL PADS IN SAME LOCATION. |
| 32 | REMOVE EXISTING VINYL WALL BASE IN ITS ENTIRETY INCLUDING, BUT NOT LIMITED TO THE WALL BASE, ADHESIVES, TRANSITIONS, ETC. PATCH AND REPAIR ADJACENT SURFACES TO REMAIN AND PREP FOR NEW CONSTRUCTION/FINISH. |
| 33 | REMOVE CERAMIC MOSAIC FLOOR TILES IN HATCHED AREA. PREPARE FLOOR TO RECEIVE NEW FLOORING. |
| 34 | REMOVE UNUTILIZED SLAB OVER CORRIDOR CEILING IN THE HATCHED AREA. REFER TO S-SERIES DWGS. |
| 35 | REMOVE LOCKERS AND ASSOCIATED TRIM. PROTECT AND MAINTAIN EXISTING BULKHEAD ABOVE. |
| 36 | REMOVE EXISTING PROJECTOR SCREEN. |
| 37 | REMOVE VINYL WALL COVERING. PREP FOR PAINT. REMOVE EXISTING WALL PROTECTION PANEL TO THE TOP OF GLAZED BLOCK. |
| 38 | REMOVE EXISTING LINOLEUM FLOORING IN ITS ENTIRETY INCLUDING, BUT NOT LIMITED TO THE LINOLEUM, ADHESIVES, TRANSITION STRIPS AND ALL ASSOCIATED WALL BASE. PATCH AND REPAIR EXISTING SURFACES TO REMAIN AND PREP FOR NEW CONSTRUCTION/FINISH. |
| 39 | REMOVE EXISTING MFT FLOORING IN ITS ENTIRETY INCLUDING, BUT NOT LIMITED TO THE MOSAIC FLOOR TILE, ADHESIVES, TRANSITION STRIPS AND ALL ASSOCIATED WALL BASE. PATCH AND REPAIR EXISTING SURFACES TO REMAIN AND PREP FOR NEW CONSTRUCTION/FINISH. |
| 40 | REMOVE EXISTING WALK-OFF CARPET FLOORING IN ITS ENTIRETY INCLUDING, BUT NOT LIMITED TO THE WALK-OFF CARPET, ADHESIVES, TRANSITION STRIPS AND ALL ASSOCIATED WALL BASE. PATCH AND REPAIR EXISTING SURFACES TO REMAIN AND PREP FOR NEW CONSTRUCTION/FINISH. |
| 41 | REMOVE EXISTING DOOR, MULLIONS AND ALL RELATED HARDWARE. PROTECT EXISTING DOOR FRAME TO REMAIN. PREP EXISTING DOOR FRAME FOR NEW CONSTRUCTION. |
| 42 | REMOVE EXISTING TOILETS AND ALL RELATED ACCESSORIES IN THEIR ENTIRETY INCLUDING, BUT NOT LIMITED TO TOILET PAPER DISPENSERS, GRAB BARS, MIRRORS AND SOAP DISPENSERS. PATCH AND REPAIR ALL EXISTING SURFACES TO REMAIN. PREP FOR NEW CONSTRUCTION/FINISH. SEE P-SERIES DRAWINGS FOR PLUMBING SCOPE. |
| 43 | REMOVE EXISTING GLAZED BLOCK, WALL PROTECTION, AND VWC. PREP FOR PAINT. |
| 44 | REMOVE EXISTING VWC. PATCH AND PREP FOR PAINT. |
| 45 | REMOVE STRUCTURAL BARS AND ASSOCIATED SUPPORTS FROM OVERHEAD STRUCTURE. |
| 46 | DEMOLISH FIRE GATE IN ITS ENTIRETY. |
| 47 | REMOVE EXISTING CEILING PANELS WITH EXISTING CEILING GRID TO REMAIN. |
| 48 | REMOVE EXISTING WANSCOTING AND CHAIR RAIL IN ITS ENTIRETY. PATCH AND PREP FOR PAINT. |

3C FIRST FLOOR DEMOLITION PLAN - UNIT A.2
1/8" = 1'-0"



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



NOTE: SAWCUT FLOOR SLAB AS REQUIRED FOR NEW FLOOR DRAINS REFER TO P-SERIES DWGS.

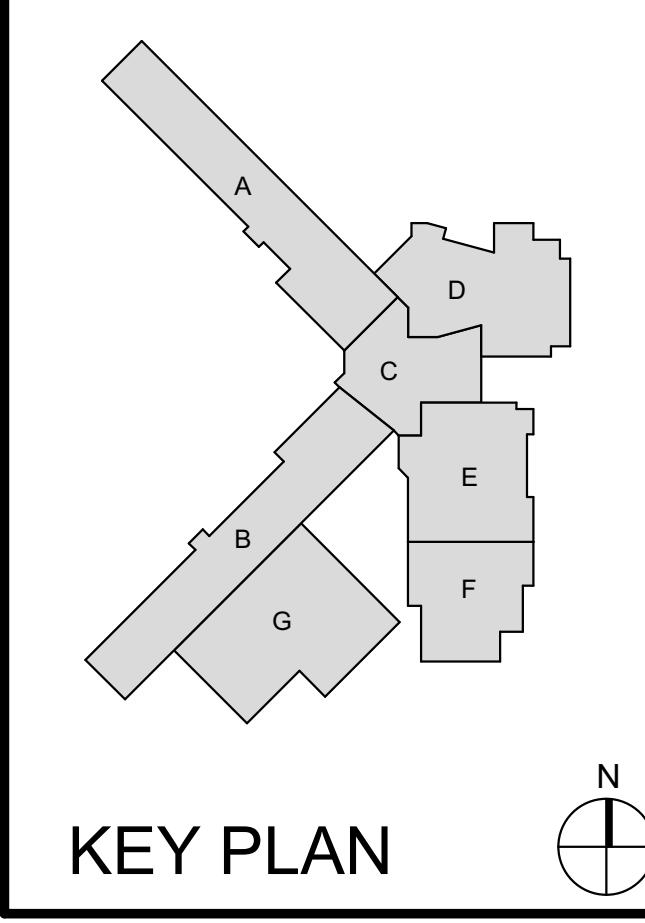


Project No. 2019-067.WSC
Project Date 07.31.2024
Produced SS TM

These Drawings and Specifications, and all copies thereof are and shall remain the property and copyright of the Architect. They shall be used only with respect to this Project and are not to be used on any other Project or Work without prior written permission from the Architect.

| # | Revision | Date |
|----|-------------|------------|
| A1 | ADDENDUM #1 | 08.22.2024 |

8401 Westfield Blvd
Indianapolis, IN 46240



M.S.D. of Washington Township



SERVICES CENTER RENOVATION - PHASE 6B

FIRST FLOOR DEMOLITION PLAN - UNIT A
AD1A1

10/24/2024 10:58 AM
 PROJECT: 2019-067.WSC
 DRAWING: 1A
 SHEET: AD1A1
 USER: JLM
 PLOT: 1A-AD1A1.dwg
 PLOTTER: HP DesignJet T1300
 PLOT SCALE: 1/8" = 1'-0"
 PLOT RANGE: Extents
 PLOT OFFSET: 0.00
 PLOT SHEET SIZE: 36" x 48"

6 5 4 3 2 1

REFER TO A-001 FOR GENERAL DEMOLITION NOTES.

| DEMOLITION FLOOR PLAN NOTES | |
|-----------------------------|--|
| # | NOTE |
| 1 | REMOVE EXISTING INTERIOR WALL CONSTRUCTION IN ITS ENTIRETY TO LIMITS INDICATED INCLUDING, BUT NOT LIMITED TO DOORS, FRAMES, WAINSCOTING, 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. PATCH AND REPAIR EXISTING ADJACENT SURFACES TO REMAIN AND PREP FOR NEW CONSTRUCTION. |
| 2 | REMOVE EXISTING WINDOW SYSTEM OR STOREFRONT 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. |
| 3 | 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 SECTIONS(S) FOR FURTHER DEFINITION OF DEMOLITION WORK. |
| 4 | REMOVE EXISTING CORRIDOR LOCKER(S) IN ITS ENTIRETY INCLUDING, BUT NOT LIMITED TO THE LOCKERS, TRIMS, CURB, BULKHEAD AND ALL ASSOCIATED ANCHORS TO LIMITS INDICATED. PROTECT ADJACENT LOCKERS, CURBS AND BULKHEAD TO REMAIN. PATCH AND REPAIR EXISTING SURFACES TO REMAIN AND PREP FOR NEW CONSTRUCTION. |
| 5 | REMOVE EXISTING VCT FLOORING IN ITS ENTIRETY INCLUDING, BUT NOT LIMITED TO THE VCT, ADHESIVES, TRANSITION STRIPS AND ALL ASSOCIATED WALL BASE. PATCH AND REPAIR EXISTING SURFACES TO REMAIN AND PREP FOR NEW CONSTRUCTION/FINISH. |
| 6 | REMOVE EXISTING CASEWORK IN ITS ENTIRETY INCLUDING, BUT NOT LIMITED TO WALL CABINETS, BASE CABINETS, COUNTERTOPS, FILL PANELS, SINKS AND ALL RELATED TRIMS. PATCH AND REPAIR ALL EXISTING ADJACENT SURFACES TO REMAIN AND PREP FOR NEW CONSTRUCTION/FINISH. |
| 7 | 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. |
| 8 | REMOVE EXISTING GYPSUM BOARD BULKHEAD IN ITS ENTIRETY INCLUDING, BUT NOT LIMITED TO THE GYPSUM BOARD, STUD FRAMING AND ALL ASSOCIATED ANCHORS. PATCH AND REPAIR ALL ADJACENT SURFACES TO REMAIN AND PREP FOR NEW CONSTRUCTION/FINISH. |
| 9 | REMOVE ALL FOOD SERVICE EQUIPMENT IN ITS ENTIRETY. |
| 10 | REMOVE EXISTING RESINOUS FLOORING AND COVE BASE. |
| 11 | 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/FINISH. |
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| 19 | REMOVE HALF WALLS IN THEIR ENTIRETY. |
| 20 | REMOVE EXISTING CARPET FLOOR FINISH IN ITS ENTIRETY INCLUDING, BUT NOT LIMITED TO THE CARPET, ADHESIVES/TACK STRIPS, TRANSITION STRIPS AND ALL ASSOCIATED WALL BASE. PATCH AND REPAIR EXISTING SURFACES TO REMAIN AND PREP FOR NEW CONSTRUCTION/FINISH. |

| DEMOLITION FLOOR PLAN NOTES | |
|-----------------------------|--|
| # | NOTE |
| 21 | REMOVE WALL SHELVING IN ITS ENTIRETY. PATCH AND REPAIR EXISTING ADJACENT SURFACES TO REMAIN. |
| 22 | REMOVE DOORS, HARDWARE, AND CENTER MULLION (IF APPLICABLE) FROM EXISTING FRAME TO REMAIN. |
| 23 | REMOVE EXISTING TOILET PARTITION SYSTEMS IN THEIR ENTIRETY. PATCH AND REPAIR EXISTING SURFACES TO REMAIN. PREPARE SURFACES TO REMAIN TO RECEIVE NEW CONSTRUCTION/FINISH. |
| 24 | EXISTING PLUMBING FIXTURE TO BE REMOVED. REFER TO P-SERIES DWGS. PATCH AND REPAIR EXISTING SURFACES TO REMAIN. |
| 25 | REMOVE PORTION OF EXISTING WALL AS REQUIRED FOR NEW INTERIOR WINDOW OPENING. VERIFY LOCATION IN FIELD WITH ARCHITECT PRIOR TO CUTTING VESTIBULE MARBLE. OPENING SHALL ALIGN WITH EXISTING MARBLE JOINTS. V.I.F. |
| 26 | REMOVE CEILING PANELS FROM EXISTING GRID TO REMAIN. |
| 27 | REMOVE TELECOM PANELS/BOARD. REFER TO T-SERIES DWGS. COORDINATE REMOVAL WITH OWNER PRIOR TO DISCONNECTION. |
| 28 | REMOVE THROUGH-WALL MAILBOX SYSTEM. PREPARE OPENING TO RECEIVE NEW WALL CONSTRUCTION. |
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| 30 | REMOVE EXISTING DISPLAY CASE IN ITS ENTIRETY INCLUDING, BUT NOT LIMITED TO DISPLAY DOORS, SHELVES, ALL HARDWARE, RAILS AND ALL RELATED TRIMS. PATCH AND REPAIR ALL EXISTING ADJACENT SURFACES TO REMAIN AND PREP FOR NEW CONSTRUCTION/FINISH. |
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| 33 | REMOVE CERAMIC MOSAIC FLOOR TILES IN HATCHED AREA. PREPARE FLOOR TO RECEIVE NEW FLOORING. |
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| 35 | REMOVE LOCKERS AND ASSOCIATED TRIM. PROTECT AND MAINTAIN EXISTING BULKHEAD ABOVE. |
| 36 | REMOVE EXISTING PROJECTOR SCREEN. |
| 37 | REMOVE VINYL WALL COVERING. PREP FOR PAINT. REMOVE EXISTING WALL PROTECTION PANEL TO THE TOP OF GLAZED BLOCK. |
| 38 | REMOVE EXISTING LINOLEUM FLOORING IN ITS ENTIRETY INCLUDING, BUT NOT LIMITED TO THE LINOLEUM, ADHESIVES, TRANSITION STRIPS AND ALL ASSOCIATED WALL BASE. PATCH AND REPAIR EXISTING SURFACES TO REMAIN AND PREP FOR NEW CONSTRUCTION/FINISH. |
| 39 | REMOVE EXISTING MFT FLOORING IN ITS ENTIRETY INCLUDING, BUT NOT LIMITED TO THE MOSAIC FLOOR TILE, ADHESIVES, TRANSITION STRIPS AND ALL ASSOCIATED WALL BASE. PATCH AND REPAIR EXISTING SURFACES TO REMAIN AND PREP FOR NEW CONSTRUCTION/FINISH. |
| 40 | REMOVE EXISTING WALK-OFF CARPET FLOORING IN ITS ENTIRETY INCLUDING, BUT NOT LIMITED TO THE WALK-OFF CARPET, ADHESIVES, TRANSITION STRIPS AND ALL ASSOCIATED WALL BASE. PATCH AND REPAIR EXISTING SURFACES TO REMAIN AND PREP FOR NEW CONSTRUCTION/FINISH. |
| 41 | REMOVE EXISTING DOOR, MULLIONS AND ALL RELATED HARDWARE. PROTECT EXISTING DOOR FRAME TO REMAIN. PREP EXISTING DOOR FRAME FOR NEW CONSTRUCTION. |
| 42 | REMOVE EXISTING TOILETS AND ALL RELATED ACCESSORIES IN THEIR ENTIRETY INCLUDING, BUT NOT LIMITED TO TOILET PAPER DISPENSERS, GRAB BARS, MIRRORS AND SOAP DISPENSERS. PATCH AND REPAIR ALL EXISTING SURFACES TO REMAIN. PREP FOR NEW CONSTRUCTION/FINISH. SEE P-SERIES DRAWINGS FOR PLUMBING SCOPE. |
| 43 | REMOVE EXISTING GLAZED BLOCK, WALL PROTECTION, AND VWC. PREP FOR PAINT. |
| 44 | REMOVE EXISTING VWC. PATCH AND PREP FOR PAINT. |
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| 46 | DEMOLISH FIRE GATE IN ITS ENTIRETY. |
| 47 | REMOVE EXISTING CEILING PANELS WITH EXISTING CEILING GRID TO REMAIN. |
| 48 | REMOVE EXISTING WAINSCOTING AND CHAIR RAIL IN ITS ENTIRETY. PATCH AND PREP FOR PAINT. |



3C FIRST FLOOR DEMOLITION PLAN - UNIT B.2
1/8" = 1'-0"

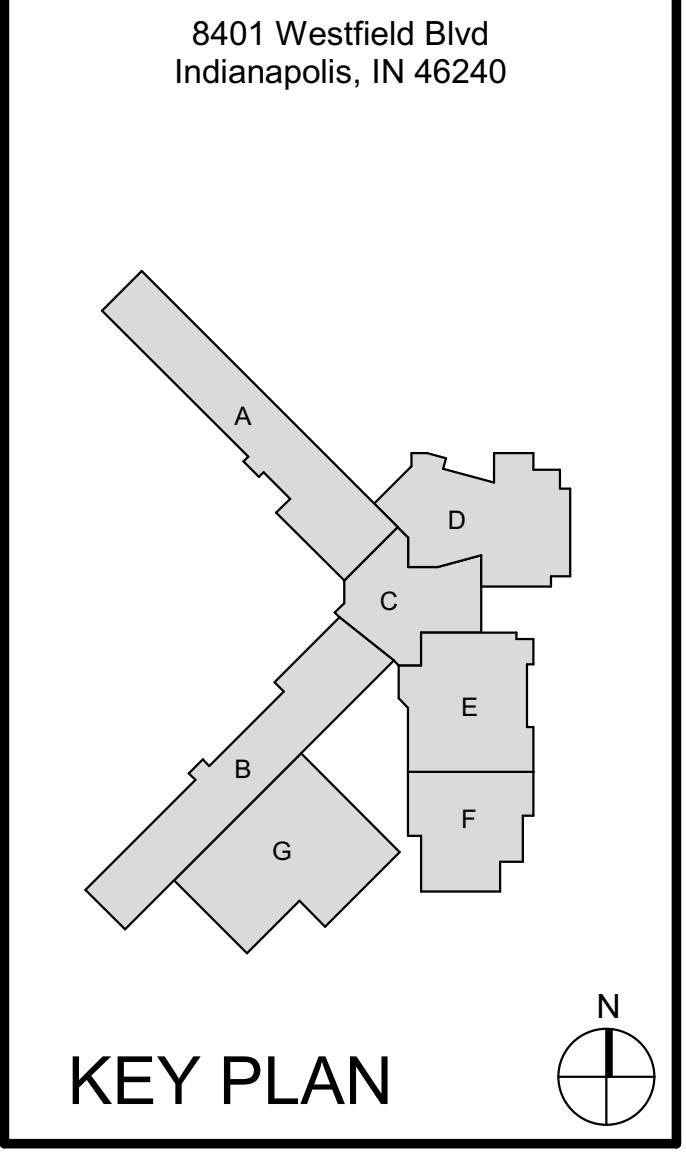
1A FIRST FLOOR DEMOLITION PLAN - UNIT B.1
1/8" = 1'-0"



Project No. 2019-067.WSC
Project Date 07.31.2024
Produced SS TM

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| # | Revision | Date |
|----|-------------|------------|
| A1 | ADDENDUM #1 | 08.22.2024 |



M.S.D. of Washington Township

WASHINGTON TOWNSHIP SCHOOLS

SERVICES CENTER RENOVATION - PHASE 6B

FIRST FLOOR DEMOLITION PLAN - UNIT B
AD1B1

DATE: 08/22/2024 10:00 AM
DRAWING FILE: D:\Projects\2019-067.WSC\2019-067.WSC_082224.dwg
DRAWING TITLE: FIRST FLOOR DEMOLITION PLAN - UNIT B.2
DRAWING NUMBER: 3C
DRAWING SCALE: 1/8" = 1'-0"

REFER TO A-001 FOR GENERAL DEMOLITION NOTES.

DEMOLITION FLOOR PLAN NOTES

| # | NOTE |
|----|---|
| 1 | REMOVE EXISTING INTERIOR WALL CONSTRUCTION IN ITS ENTIRETY TO LIMITS INDICATED INCLUDING, BUT NOT LIMITED TO DOORS, FRAMES, WAINSCOTING, 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. PATCH AND REPAIR EXISTING ADJACENT SURFACES TO REMAIN AND PREP FOR NEW CONSTRUCTION. |
| 2 | REMOVE EXISTING WINDOW SYSTEM OR STOREFRONT 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. |
| 3 | 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. |
| 4 | REMOVE EXISTING CORRIDOR LOCKER(S) IN ITS ENTIRETY INCLUDING, BUT NOT LIMITED TO THE LOCKERS, TRIMS, CURB, BULKHEAD AND ALL ASSOCIATED ANCHORS TO LIMITS INDICATED. PROTECT ADJACENT LOCKERS, CURBS AND BULKHEAD TO REMAIN. PATCH AND REPAIR EXISTING SURFACES TO REMAIN AND PREP FOR NEW CONSTRUCTION. |
| 5 | REMOVE EXISTING VCT FLOORING IN ITS ENTIRETY INCLUDING, BUT NOT LIMITED TO THE VCT, ADHESIVES, TRANSITION STRIPS AND ALL ASSOCIATED WALL BASE. PATCH AND REPAIR EXISTING SURFACES TO REMAIN AND PREP FOR NEW CONSTRUCTION/FINISH. |
| 6 | REMOVE EXISTING CASEWORK IN ITS ENTIRETY INCLUDING, BUT NOT LIMITED TO WALL, CABINETS, BASE CABINETS, COUNTERTOPS, FILL PANELS, SINKS AND ALL RELATED TRIMS. PATCH AND REPAIR ALL EXISTING ADJACENT SURFACES TO REMAIN AND PREP FOR NEW CONSTRUCTION/FINISH. |
| 7 | 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. |
| 8 | REMOVE EXISTING GYPSUM BOARD BULKHEAD IN ITS ENTIRETY INCLUDING, BUT NOT LIMITED TO THE GYPSUM BOARD, STUD FRAMING AND ALL ASSOCIATED ANCHORS. PATCH AND REPAIR ALL ADJACENT SURFACES TO REMAIN AND PREP FOR NEW CONSTRUCTION/FINISH. |
| 9 | REMOVE ALL FOOD SERVICE EQUIPMENT IN ITS ENTIRETY. |
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| 13 | REMOVE EXISTING MARKER/CHALK AND TACK BOARDS IN THEIR ENTIRETY AND ALL RELATED ANCHORS AND ADHESIVES. PATCH AND PREP EXISTING WALL SURFACES TO REMAIN FOR NEW CONSTRUCTION/FINISH. |
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DEMOLITION FLOOR PLAN NOTES

| # | NOTE |
|----|--|
| 21 | REMOVE WALL SHELVEING IN ITS ENTIRETY. PATCH AND REPAIR EXISTING ADJACENT SURFACES TO REMAIN. |
| 22 | REMOVE DOORS, HARDWARE, AND CENTER MULLION (IF APPLICABLE) FROM EXISTING FRAME TO REMAIN. |
| 23 | REMOVE EXISTING TOILET PARTITION SYSTEMS IN THEIR ENTIRETY. PATCH AND REPAIR EXISTING SURFACES TO REMAIN. PREPARE SURFACES TO REMAIN TO RECEIVE NEW CONSTRUCTION/FINISH. |
| 24 | EXISTING PLUMBING FIXTURE TO BE REMOVED. REFER TO P-SERIES DWGS. PATCH AND REPAIR EXISTING SURFACES TO REMAIN. |
| 25 | REMOVE PORTION OF EXISTING WALL AS REQUIRED FOR NEW INTERIOR WINDOW OPENING. VERIFY LOCATION IN FIELD WITH ARCHITECT PRIOR TO CUTTING VESTIBULE MARBLE. OPENING SHALL ALIGN WITH EXISTING MARBLE JOINTS, V.I.F. |
| 26 | REMOVE CEILING PANELS FROM EXISTING GRID TO REMAIN. |
| 27 | REMOVE TELECOM PANELSBOARD. REFER TO T-SERIES DWGS. COORDINATE REMOVAL WITH OWNER PRIOR TO DISCONNECTION. |
| 28 | REMOVE THROUGH-WALL MAILBOX SYSTEM. PREPARE OPENING TO RECEIVE NEW WALL CONSTRUCTION. |
| 29 | 09 64 68 99 - REPAIR AND REFINISH WOOD FLOORING. REFER TO I-SERIES DWGS. |
| 30 | REMOVE EXISTING DISPLAY CASE IN ITS ENTIRETY INCLUDING, BUT NOT LIMITED TO DISPLAY DOORS, SHELVEING, ALL HARDWARE, RAILS AND ALL RELATED TRIMS. PATCH AND REPAIR ALL EXISTING ADJACENT SURFACES TO REMAIN AND PREP FOR NEW CONSTRUCTION/FINISH. |
| 31 | REMOVE EXISTING WALL PADS AND DOOR PADS IN THEIR ENTIRETY. PREPARE SURFACES TO RECEIVE NEW WALL PADS IN SAME LOCATION. |
| 32 | REMOVE EXISTING VINYL WALL BASE IN ITS ENTIRETY INCLUDING BUT NOT LIMITED TO THE WALL BASE, ADHESIVES, TRANSITIONS, ETC. PATCH AND REPAIR ADJACENT SURFACES TO REMAIN AND PREP FOR NEW CONSTRUCTION/FINISH. |
| 33 | REMOVE CERAMIC MOSAIC FLOOR TILES IN HATCHED AREA. PREPARE FLOOR TO RECEIVE NEW FLOORING. |
| 34 | REMOVE UNITIZED SLAB OVER CORRIDOR CEILING IN THE HATCHED AREA. REFER TO S-SERIES DWGS. |
| 35 | REMOVE LOCKERS AND ASSOCIATED TRIM. PROTECT AND MAINTAIN EXISTING BULKHEAD ABOVE. |
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| 37 | REMOVE VINYL WALL COVERING. PREP FOR PAINT. REMOVE EXISTING WALL PROTECTION PANEL TO THE TOP OF GLAZED BLOCK. |
| 38 | REMOVE EXISTING LINOLEUM FLOORING IN ITS ENTIRETY INCLUDING, BUT NOT LIMITED TO THE LINOLEUM, ADHESIVES, TRANSITION STRIPS AND ALL ASSOCIATED WALL BASE. PATCH AND REPAIR EXISTING SURFACES TO REMAIN AND PREP FOR NEW CONSTRUCTION/FINISH. |
| 39 | REMOVE EXISTING LIFT FLOORING IN ITS ENTIRETY INCLUDING, BUT NOT LIMITED TO THE MOSAIC FLOOR TILE, ADHESIVES, TRANSITION STRIPS AND ALL ASSOCIATED WALL BASE. PATCH AND REPAIR EXISTING SURFACES TO REMAIN AND PREP FOR NEW CONSTRUCTION/FINISH. |
| 40 | REMOVE EXISTING WALK-OFF CARPET FLOORING IN ITS ENTIRETY INCLUDING, BUT NOT LIMITED TO THE WALK OFF CARPET, ADHESIVES, TRANSITION STRIPS AND ALL ASSOCIATED WALL BASE. PATCH AND REPAIR EXISTING SURFACES TO REMAIN AND PREP FOR NEW CONSTRUCTION/FINISH. |
| 41 | REMOVE EXISTING DOOR, MULLIONS AND ALL RELATED HARDWARE. PROTECT EXISTING DOOR FRAME TO REMAIN. PREP EXISTING DOOR FRAME FOR NEW CONSTRUCTION. |
| 42 | REMOVE EXISTING TOILETS AND ALL RELATED ACCESSORIES IN THEIR ENTIRETY INCLUDING, BUT NOT LIMITED TO TOILET PAPER DISPENSERS, GRAB BARS, MIRRORS AND SOAP DISPENSERS. PATCH AND REPAIR ALL EXISTING SURFACES TO REMAIN. PREP FOR NEW CONSTRUCTION/FINISH. SEE P-SERIES DRAWINGS FOR PLUMBING SCOPE. |
| 43 | REMOVE EXISTING GLAZED BLOCK, WALL PROTECTION, AND VWC. PREP FOR PAINT. |
| 44 | REMOVE EXISTING VWC. PATCH AND PREP FOR PAINT. |
| 45 | REMOVE STRUCTURAL BARS AND ASSOCIATED SUPPORTS FROM OVERHEAD STRUCTURE. |
| 46 | DEMOLISH FIRE GATE IN ITS ENTIRETY. |
| 47 | REMOVE EXISTING CEILING PANELS WITH EXISTING CEILING GRID TO REMAIN. |
| 48 | REMOVE EXISTING WAINSCOTING AND CHAIR RAIL IN ITS ENTIRETY. PATCH AND PREP FOR PAINT. |

3C SECOND FLOOR DEMOLITION PLAN - UNIT B.2
1/8" = 1'-0"

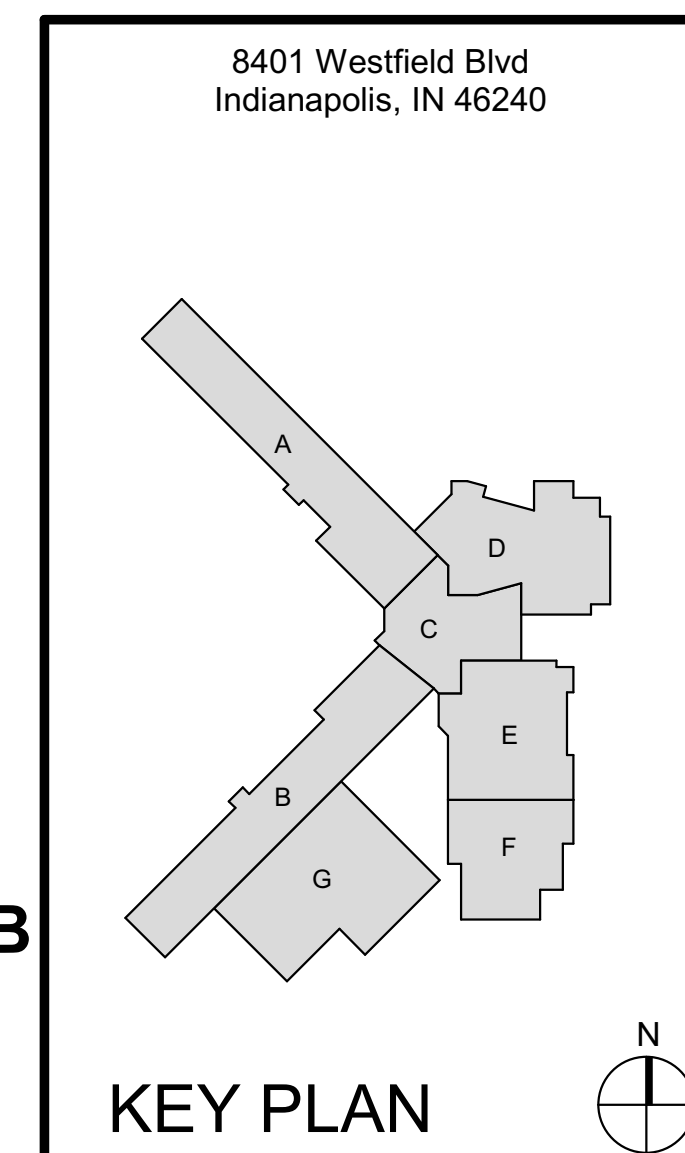
1A SECOND FLOOR DEMOLITION PLAN - UNIT B.1
1/8" = 1'-0"



Project No. 2019-067.WSC
Project Date 07.31.2024
Produced SS TM

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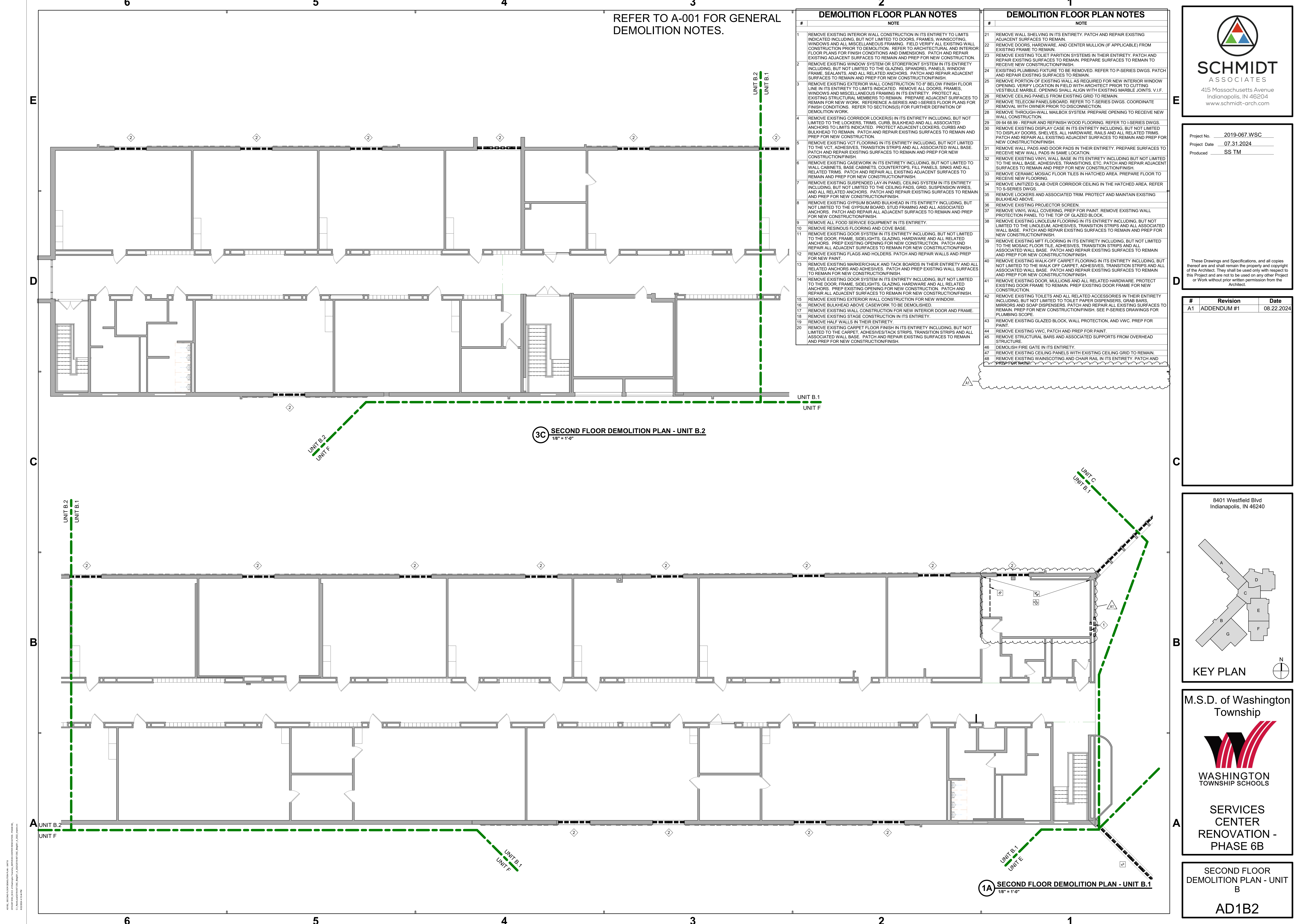
| # | Revision | Date |
|----|-------------|------------|
| A1 | ADDENDUM #1 | 08.22.2024 |



M.S.D. of Washington Township

SERVICES CENTER RENOVATION - PHASE 6B

SECOND FLOOR DEMOLITION PLAN - UNIT B
AD1B2



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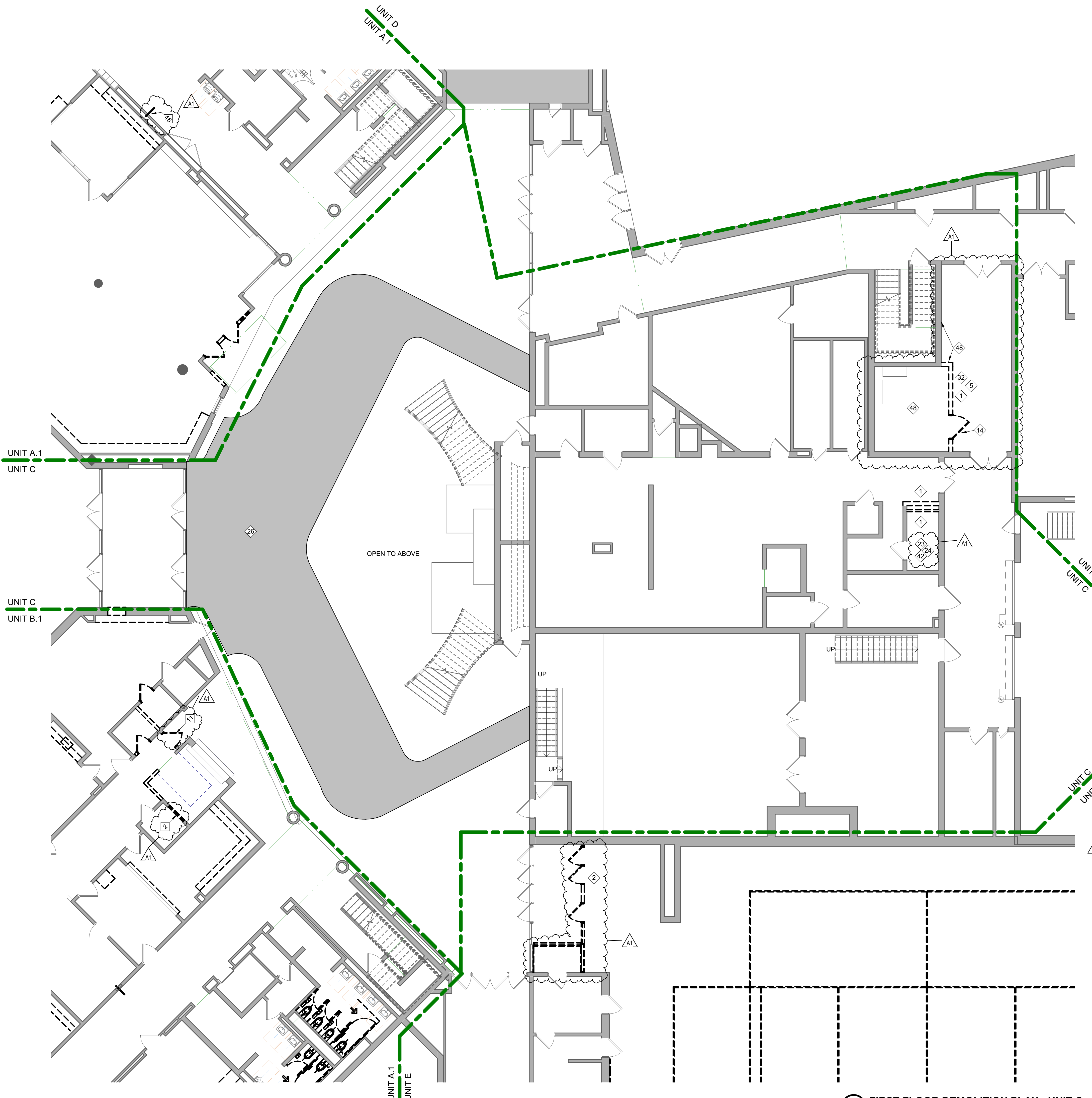
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REFER TO A-001 FOR GENERAL DEMOLITION NOTES.

DEMOLITION FLOOR PLAN NOTES

| # | NOTE |
|----|--|
| 1 | REMOVE EXISTING INTERIOR WALL CONSTRUCTION IN ITS ENTIRETY TO LIMITS INDICATED INCLUDING, BUT NOT LIMITED TO DOORS, FRAMES, WAINSCOTTING, 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. PATCH AND REPAIR EXISTING ADJACENT SURFACES TO REMAIN AND PREP FOR NEW CONSTRUCTION. |
| 2 | REMOVE EXISTING WINDOW SYSTEM OR STOREFRONT 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. |
| 3 | 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. |
| 4 | REMOVE EXISTING CORRIDOR LOCKER(S) IN ITS ENTIRETY INCLUDING, BUT NOT LIMITED TO THE LOCKERS, TRIMS, CURB, BULKHEAD AND ALL ASSOCIATED ANCHORS TO LIMITS INDICATED. PROTECT ADJACENT LOCKERS, CURBS AND BULKHEAD TO REMAIN. PATCH AND REPAIR EXISTING SURFACES TO REMAIN AND PREP FOR NEW CONSTRUCTION. |
| 5 | REMOVE EXISTING VCT FLOORING IN ITS ENTIRETY INCLUDING, BUT NOT LIMITED TO THE VCT, ADHESIVES, TRANSITION STRIPS AND ALL ASSOCIATED WALL BASE. PATCH AND REPAIR EXISTING SURFACES TO REMAIN AND PREP FOR NEW CONSTRUCTION/FINISH. |
| 6 | REMOVE EXISTING CASEWORK IN ITS ENTIRETY INCLUDING, BUT NOT LIMITED TO WALL CABINETS, BASE CABINETS, COUNTERTOPS, FILL PANELS, SINKS AND ALL RELATED TRIMS. PATCH AND REPAIR ALL EXISTING ADJACENT SURFACES TO REMAIN AND PREP FOR NEW CONSTRUCTION/FINISH. |
| 7 | 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. |
| 8 | REMOVE EXISTING GYPSUM BOARD BULKHEAD IN ITS ENTIRETY INCLUDING, BUT NOT LIMITED TO THE GYPSUM BOARD, STUD FRAMING AND ALL ASSOCIATED ANCHORS. PATCH AND REPAIR ALL ADJACENT SURFACES TO REMAIN AND PREP FOR NEW CONSTRUCTION/FINISH. |
| 9 | REMOVE ALL FOOD SERVICE EQUIPMENT IN ITS ENTIRETY. |
| 10 | REMOVE RESINOUS FLOORING AND COVE BASE. |
| 11 | 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/FINISH. |
| 12 | REMOVE EXISTING FLAGS AND HOLDERS. PATCH AND REPAIR WALLS AND PREP FOR NEW PAINT. |
| 13 | REMOVE EXISTING MARKER/CHALK AND TACK BOARDS IN THEIR ENTIRETY AND ALL RELATED ANCHORS AND ADHESIVES. PATCH AND PREP EXISTING WALL SURFACES TO REMAIN FOR NEW CONSTRUCTION/FINISH. |
| 14 | 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/FINISH. |
| 15 | REMOVE EXISTING EXTERIOR WALL CONSTRUCTION FOR NEW WINDOW. |
| 16 | REMOVE BULKHEAD ABOVE CASEWORK TO BE DEMOLISHED. |
| 17 | REMOVE EXISTING WALL CONSTRUCTION FOR INTERIOR DOOR AND FRAME. |
| 18 | REMOVE EXISTING STAGE CONSTRUCTION IN ITS ENTIRETY. |
| 19 | REMOVE HALF WALLS IN THEIR ENTIRETY. |
| 20 | REMOVE EXISTING CARPET FLOOR FINISH IN ITS ENTIRETY INCLUDING, BUT NOT LIMITED TO THE CARPET, ADHESIVES/PACK STRIPS, TRANSITION STRIPS AND ALL ASSOCIATED WALL BASE. PATCH AND REPAIR EXISTING SURFACES TO REMAIN AND PREP FOR NEW CONSTRUCTION/FINISH. |
| 21 | REMOVE WALL SHELVING IN ITS ENTIRETY. PATCH AND REPAIR EXISTING ADJACENT SURFACES TO REMAIN. |
| 22 | REMOVE DOORS, HARDWARE, AND CENTER MULLION (IF APPLICABLE) FROM EXISTING FRAME TO REMAIN. |
| 23 | REMOVE EXISTING TOILET PARTITION SYSTEMS IN THEIR ENTIRETY. PATCH AND REPAIR EXISTING SURFACES TO REMAIN. PREPARE SURFACES TO REMAIN TO RECEIVE NEW CONSTRUCTION/FINISH. |
| 24 | EXISTING PLUMBING FIXTURE TO BE REMOVED. REFER TO P-SERIES DWGS. PATCH AND REPAIR EXISTING SURFACES TO REMAIN. |
| 25 | REMOVE PORTION OF EXISTING WALL AS REQUIRED FOR NEW INTERIOR WINDOW OPENING. VERIFY LOCATION IN FIELD WITH ARCHITECT PRIOR TO CUTTING VESTIBLE MARBLE OPENING SHALL ALIGN WITH EXISTING MARBLE JOINTS. V.I.F. |
| 26 | REMOVE CEILING PANELS FROM EXISTING GRID TO REMAIN. |
| 27 | REMOVE TELECOM PANELS/BOARD. REFER TO T-SERIES DWGS. COORDINATE REMOVAL WITH OWNER PRIOR TO DISCONNECTION. |
| 28 | REMOVE THROUGH-WALL MAILBOX SYSTEM. PREPARE OPENING TO RECEIVE NEW WALL CONSTRUCTION. |
| 29 | 09 64 68 99 - REPAIR AND REFINISH WOOD FLOORING. REFER TO I-SERIES DWGS. |
| 30 | REMOVE EXISTING DISPLAY CASE IN ITS ENTIRETY INCLUDING, BUT NOT LIMITED TO DISPLAY DOORS, SHELVES, ALL HARDWARE, RAILS AND ALL RELATED TRIMS. PATCH AND REPAIR ALL EXISTING ADJACENT SURFACES TO REMAIN AND PREP FOR NEW CONSTRUCTION/FINISH. |
| 31 | REMOVE WALL PADS AND DOOR PADS IN THEIR ENTIRETY. PREPARE SURFACES TO RECEIVE NEW WALL PADS IN SAME LOCATION. |
| 32 | REMOVE EXISTING VINYL WALL BASE IN ITS ENTIRETY INCLUDING BUT NOT LIMITED TO THE WALL BASE, ADHESIVES, TRANSITIONS, ETC. PATCH AND REPAIR ADJACENT SURFACES TO REMAIN AND PREP FOR NEW CONSTRUCTION/FINISH. |
| 33 | REMOVE CERAMIC MOSAIC FLOOR TILES IN HATCHED AREA. PREPARE FLOOR TO RECEIVE NEW FLOORING. |
| 34 | REMOVE UNITIZED SLAB OVER CORRIDOR CEILING IN THE HATCHED AREA. REFER TO S-SERIES DWGS. |
| 35 | REMOVE LOCKERS AND ASSOCIATED TRIM. PROTECT AND MAINTAIN EXISTING BULKHEAD ABOVE. |
| 36 | REMOVE EXISTING PROJECTOR SCREEN. |
| 37 | REMOVE VINYL WALL COVERING. PREP FOR PAINT. REMOVE EXISTING WALL PROTECTION PANEL TO THE TOP OF GLAZED BLOCK. |
| 38 | REMOVE EXISTING LINOLEUM FLOORING IN ITS ENTIRETY INCLUDING, BUT NOT LIMITED TO THE LINOLEUM, ADHESIVES, TRANSITION STRIPS AND ALL ASSOCIATED WALL BASE. PATCH AND REPAIR EXISTING SURFACES TO REMAIN AND PREP FOR NEW CONSTRUCTION/FINISH. |
| 39 | REMOVE EXISTING MFT FLOORING IN ITS ENTIRETY INCLUDING, BUT NOT LIMITED TO THE MOSAIC FLOOR TILE, ADHESIVES, TRANSITION STRIPS AND ALL ASSOCIATED WALL BASE. PATCH AND REPAIR EXISTING SURFACES TO REMAIN AND PREP FOR NEW CONSTRUCTION/FINISH. |
| 40 | REMOVE EXISTING WALK-OFF CARPET FLOORING IN ITS ENTIRETY INCLUDING, BUT NOT LIMITED TO THE WALK OFF CARPET, ADHESIVES, TRANSITION STRIPS AND ALL ASSOCIATED WALL BASE. PATCH AND REPAIR EXISTING SURFACES TO REMAIN AND PREP FOR NEW CONSTRUCTION/FINISH. |
| 41 | REMOVE EXISTING DOOR, MULLIONS AND ALL RELATED HARDWARE. PROTECT EXISTING DOOR FRAME TO REMAIN. PREP EXISTING DOOR FRAME FOR NEW CONSTRUCTION. |
| 42 | REMOVE EXISTING TOILETS AND ALL RELATED ACCESSORIES IN THEIR ENTIRETY INCLUDING, BUT NOT LIMITED TO TOILET PAPER DISPENSERS, GRAB BARS, MIRRORS AND SOAP DISPENSERS. PATCH AND REPAIR ALL EXISTING SURFACES TO REMAIN. PREP FOR NEW CONSTRUCTION/FINISH. SEE P-SERIES DRAWINGS FOR PLUMBING SCOPE. |
| 43 | REMOVE EXISTING GLAZED BLOCK, WALL PROTECTION, AND VWC. PREP FOR PAINT. |
| 44 | REMOVE EXISTING VWC. PATCH AND PREP FOR PAINT. |
| 45 | REMOVE STRUCTURAL BARS AND ASSOCIATED SUPPORTS FROM OVERHEAD STRUCTURE. |
| 46 | DEMOLISH FIRE GATE IN ITS ENTIRETY. |
| 47 | REMOVE EXISTING CEILING PANELS WITH EXISTING CEILING GRID TO REMAIN. |
| 48 | REMOVE EXISTING WAINSCOTTING AND CHAIR RAIL IN ITS ENTIRETY. PATCH AND PREP FOR PAINT. |



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

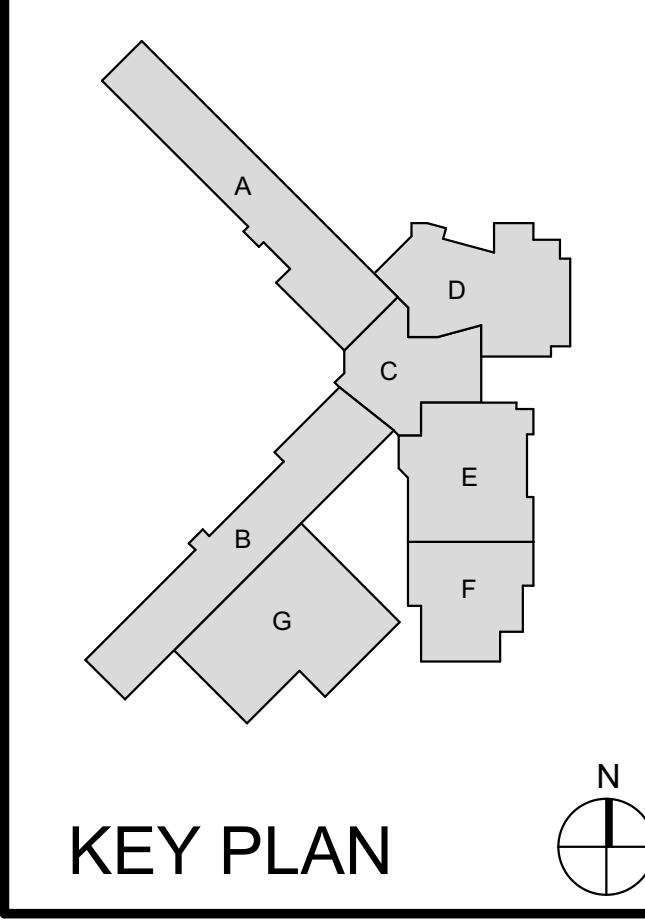


Project No. 2019-067.WSC
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| # | Revision | Date |
|----|-------------|------------|
| A1 | ADDENDUM #1 | 08.22.2024 |

8401 Westfield Blvd
 Indianapolis, IN 46240



M.S.D. of Washington Township



SERVICES CENTER RENOVATION - PHASE 6B

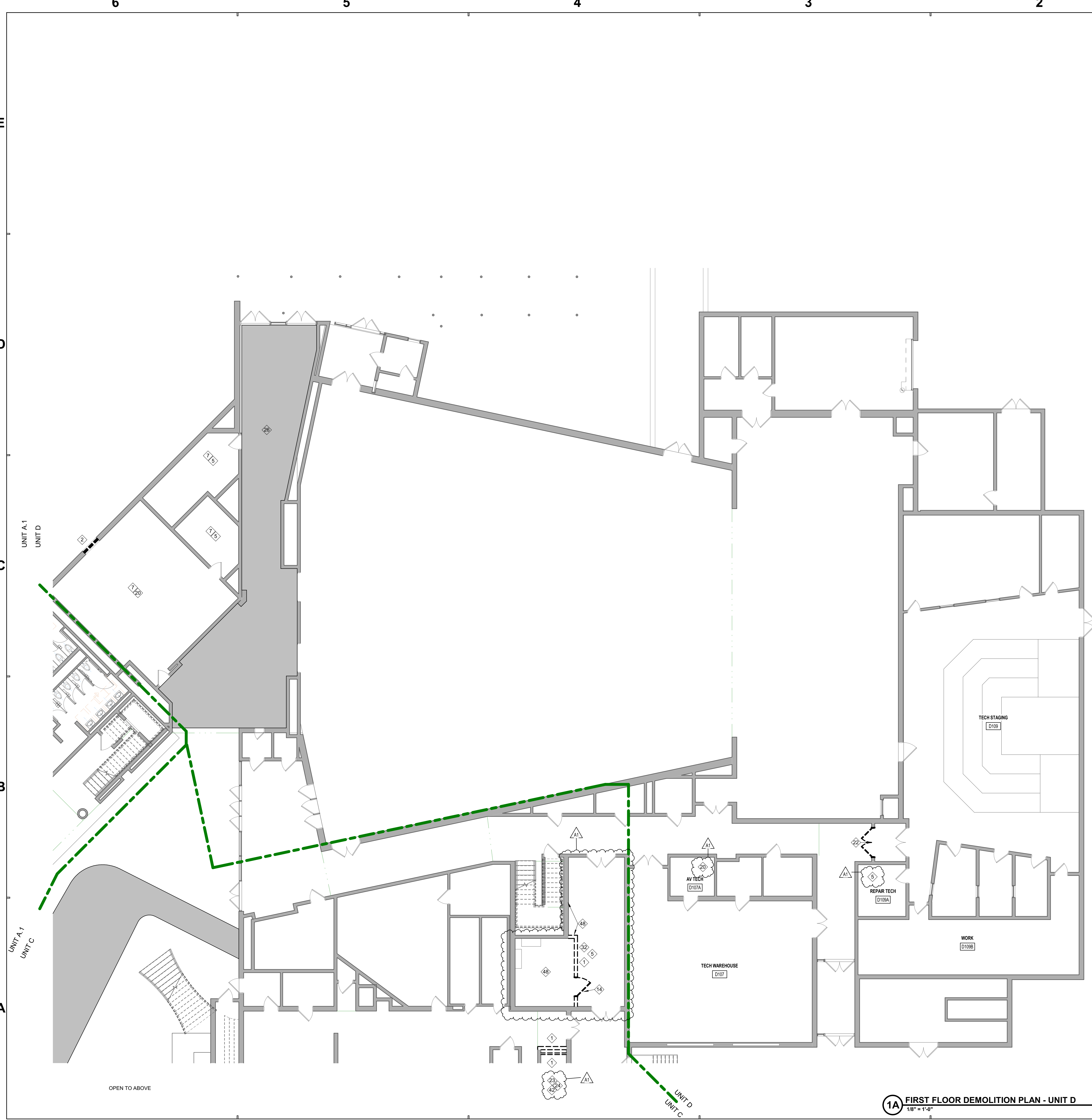
FIRST FLOOR DEMOLITION PLAN - UNIT C

AD1C1

REFER TO A-001 FOR GENERAL DEMOLITION NOTES.

DEMOLITION FLOOR PLAN NOTES

| # | NOTE |
|----|---|
| 1 | REMOVE EXISTING INTERIOR WALL CONSTRUCTION IN ITS ENTIRETY TO LIMITS INDICATED INCLUDING, BUT NOT LIMITED TO DOORS, FRAMES, WAINSCOTING, 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. PATCH AND REPAIR EXISTING ADJACENT SURFACES TO REMAIN AND PREP FOR NEW CONSTRUCTION. |
| 2 | REMOVE EXISTING WINDOW SYSTEM OR STOREFRONT 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. |
| 3 | REMOVE EXISTING EXTERIOR WALL CONSTRUCTION TO 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. |
| 4 | REMOVE EXISTING CORRIDOR LOCKER(S) IN ITS ENTIRETY INCLUDING, BUT NOT LIMITED TO THE LOCKERS, TRIMS, CURB, BULKHEAD AND ALL ASSOCIATED ANCHORS TO LIMITS INDICATED. PROTECT ADJACENT LOCKERS, CURBS AND BULKHEAD TO REMAIN. PATCH AND REPAIR EXISTING SURFACES TO REMAIN AND PREP FOR NEW CONSTRUCTION. |
| 5 | REMOVE EXISTING VCT FLOORING IN ITS ENTIRETY INCLUDING, BUT NOT LIMITED TO THE VCT, ADHESIVES, TRANSITION STRIPS AND ALL ASSOCIATED WALL BASE. PATCH AND REPAIR EXISTING SURFACES TO REMAIN AND PREP FOR NEW CONSTRUCTION/FINISH. |
| 6 | REMOVE EXISTING CASEWORK IN ITS ENTIRETY INCLUDING, BUT NOT LIMITED TO WALL CABINETS, BASE CABINETS, COUNTERTOPS, FILL FRAMES, SINKS AND ALL RELATED TRIMS. PATCH AND REPAIR ALL EXISTING ADJACENT SURFACES TO REMAIN AND PREP FOR NEW CONSTRUCTION/FINISH. |
| 7 | REMOVE EXISTING SUSPENDED 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. |
| 8 | REMOVE EXISTING GYPSUM BOARD BULKHEAD IN ITS ENTIRETY INCLUDING, BUT NOT LIMITED TO THE GYPSUM BOARD, STUD FRAMING AND ALL ASSOCIATED ANCHORS. PATCH AND REPAIR ALL ADJACENT SURFACES TO REMAIN AND PREP FOR NEW CONSTRUCTION/FINISH. |
| 9 | REMOVE ALL FOOD SERVICE EQUIPMENT IN ITS ENTIRETY. |
| 10 | REMOVE RESINOUS FLOORING AND COVE BASE. |
| 11 | 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/FINISH. |
| 12 | REMOVE EXISTING FLAGS AND HOLDERS. PATCH AND REPAIR WALLS AND PREP FOR NEW PAINT. |
| 13 | REMOVE EXISTING MARKER, CHALK AND TACK BOARDS IN THEIR ENTIRETY AND ALL RELATED ANCHORS AND ADHESIVES. PATCH AND PREP EXISTING WALL SURFACES TO REMAIN FOR NEW CONSTRUCTION/FINISH. |
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| 16 | REMOVE BULKHEAD ABOVE CASEWORK TO BE DEMOLISHED. |
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| 19 | REMOVE HALF WALLS IN THEIR ENTIRETY. |
| 20 | REMOVE EXISTING CARPET FLOOR FINISH IN ITS ENTIRETY INCLUDING, BUT NOT LIMITED TO THE CARPET, ADHESIVES/TACK STRIPS, TRANSITION STRIPS AND ALL ASSOCIATED WALL BASE. PATCH AND REPAIR EXISTING SURFACES TO REMAIN AND PREP FOR NEW CONSTRUCTION/FINISH. |
| 21 | REMOVE WALL SHELVING IN ITS ENTIRETY. PATCH AND REPAIR EXISTING ADJACENT SURFACES TO REMAIN. |
| 22 | REMOVE DOORS, HARDWARE, AND CENTER MULLION (IF APPLICABLE) FROM EXISTING FRAME TO REMAIN. |
| 23 | REMOVE EXISTING TOILET PARTITION SYSTEMS IN THEIR ENTIRETY. PATCH AND REPAIR EXISTING SURFACES TO REMAIN. PREPARE SURFACES TO REMAIN TO RECEIVE NEW CONSTRUCTION/FINISH. |
| 24 | EXISTING PLUMBING FIXTURE TO BE REMOVED. REFER TO P-SERIES DWGS. PATCH AND REPAIR EXISTING SURFACES TO REMAIN. |
| 25 | REMOVE PORTION OF EXISTING WALL AS REQUIRED FOR NEW INTERIOR WINDOW OPENING. VERIFY LOCATION IN FIELD WITH ARCHITECT PRIOR TO CUTTING VESTIBULE MARBLE. OPENING SHALL ALIGN WITH EXISTING MARBLE JOINTS, V.I.F. |
| 26 | REMOVE CEILING PANELS FROM EXISTING GRID TO REMAIN. |
| 27 | REMOVE TELECOM PANELS/BOARD. REFER TO T-SERIES DWGS. COORDINATE REMOVAL WITH OWNER PRIOR TO DISCONNECTION. |
| 28 | REMOVE THROUGH-WALL MAILBOX SYSTEM. PREPARE OPENING TO RECEIVE NEW WALL CONSTRUCTION. |
| 29 | 09 64 68 99 - REPAIR AND REFINISH WOOD FLOORING. REFER TO I-SERIES DWGS. |
| 30 | REMOVE EXISTING DISPLAY CASE IN ITS ENTIRETY INCLUDING, BUT NOT LIMITED TO DISPLAY DOORS, SHELVES, ALL HARDWARE, RAILS AND ALL RELATED TRIMS. PATCH AND REPAIR ALL EXISTING ADJACENT SURFACES TO REMAIN AND PREP FOR NEW CONSTRUCTION/FINISH. |
| 31 | REMOVE WALL PADS AND DOOR PADS IN THEIR ENTIRETY. PREPARE SURFACES TO RECEIVE NEW WALL PADS IN SAME LOCATION. |
| 32 | REMOVE EXISTING VINYL WALL BASE IN ITS ENTIRETY INCLUDING BUT NOT LIMITED TO THE WALL BASE, ADHESIVES, TRANSITIONS, ETC. PATCH AND REPAIR ADJACENT SURFACES TO REMAIN AND PREP FOR NEW CONSTRUCTION/FINISH. |
| 33 | REMOVE CERAMIC MOSAIC FLOOR TILES IN HATCHED AREA. PREPARE FLOOR TO RECEIVE NEW FLOORING. |
| 34 | REMOVE UNITIZED SLAB OVER CORRIDOR CEILING IN THE HATCHED AREA. REFER TO S-SERIES DWGS. |
| 35 | REMOVE LOCKERS AND ASSOCIATED TRIM. PROTECT AND MAINTAIN EXISTING BULKHEAD ABOVE. |
| 36 | REMOVE EXISTING PROJECTOR SCREEN. |
| 37 | REMOVE VINYL WALL COVERING. PREP FOR PAINT. REMOVE EXISTING WALL PROTECTION PANEL TO THE TOP OF GLAZED BLOCK. |
| 38 | REMOVE EXISTING LINOLEUM FLOORING IN ITS ENTIRETY INCLUDING, BUT NOT LIMITED TO THE LINOLEUM, ADHESIVES, TRANSITION STRIPS AND ALL ASSOCIATED WALL BASE. PATCH AND REPAIR EXISTING SURFACES TO REMAIN AND PREP FOR NEW CONSTRUCTION/FINISH. |
| 39 | REMOVE EXISTING MFT FLOORING IN ITS ENTIRETY INCLUDING, BUT NOT LIMITED TO THE MOSAIC FLOOR TILE, ADHESIVES, TRANSITION STRIPS AND ALL ASSOCIATED WALL BASE. PATCH AND REPAIR EXISTING SURFACES TO REMAIN AND PREP FOR NEW CONSTRUCTION/FINISH. |
| 40 | REMOVE EXISTING WALK-OFF CARPET FLOORING IN ITS ENTIRETY INCLUDING, BUT NOT LIMITED TO THE WALK OFF CARPET, ADHESIVES, TRANSITION STRIPS AND ALL ASSOCIATED WALL BASE. PATCH AND REPAIR EXISTING SURFACES TO REMAIN AND PREP FOR NEW CONSTRUCTION/FINISH. |
| 41 | REMOVE EXISTING DOOR, MULLIONS AND ALL RELATED HARDWARE. PROTECT EXISTING DOOR FRAME TO REMAIN. PREP EXISTING DOOR FRAME FOR NEW CONSTRUCTION. |
| 42 | REMOVE EXISTING TOILETS AND ALL RELATED ACCESSORIES IN THEIR ENTIRETY INCLUDING, BUT NOT LIMITED TO TOILET PAPER DISPENSERS, GRAB BARS, MIRRORS AND SOAP DISPENSERS. PATCH AND REPAIR ALL EXISTING SURFACES TO REMAIN. PREP FOR NEW CONSTRUCTION/FINISH. SEE P-SERIES DRAWINGS FOR PLUMBING SCOPE. |
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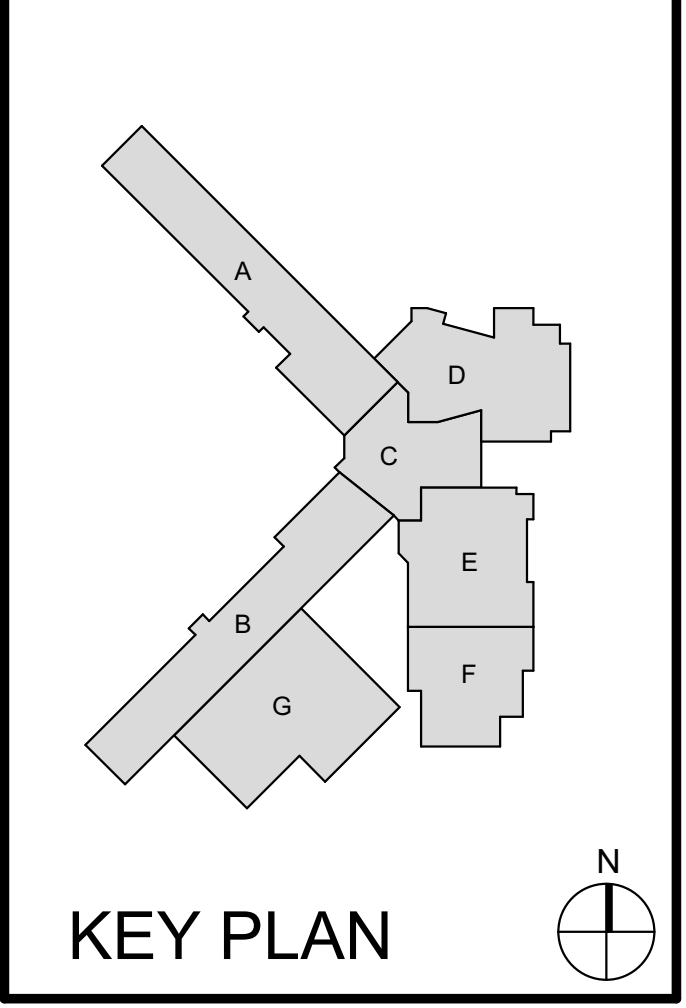
1A FIRST FLOOR DEMOLITION PLAN - UNIT D
1/8" = 1'-0"

Project No. 2019-067.WSC
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| # | Revision | Date |
|----|-------------|------------|
| A1 | ADDENDUM #1 | 08.22.2024 |

8401 Westfield Blvd
Indianapolis, IN 46240



M.S.D. of Washington Township



SERVICES CENTER RENOVATION - PHASE 6B

FLOOR DEMOLITION PLANS - UNIT D

AD1D1

REFER TO A-001 FOR GENERAL DEMOLITION NOTES.

DEMOLITION FLOOR PLAN NOTES

| # | NOTE |
|----|---|
| 1 | REMOVE EXISTING INTERIOR WALL CONSTRUCTION IN ITS ENTIRETY TO LIMITS INDICATED INCLUDING, BUT NOT LIMITED TO DOORS, FRAMES, WAINSCOTING, 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. PATCH AND REPAIR EXISTING ADJACENT SURFACES TO REMAIN AND PREP FOR NEW CONSTRUCTION. |
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| 3 | 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. |
| 4 | REMOVE EXISTING CORRIDOR LOCKER(S) IN ITS ENTIRETY INCLUDING, BUT NOT LIMITED TO THE LOCKERS, TRIMS, CURB, BULKHEAD AND ALL ASSOCIATED ANCHORS TO LIMITS INDICATED. PROTECT ADJACENT LOCKERS, CURBS AND BULKHEAD TO REMAIN. PATCH AND REPAIR EXISTING SURFACES TO REMAIN AND PREP FOR NEW CONSTRUCTION. |
| 5 | REMOVE EXISTING VCT FLOORING IN ITS ENTIRETY INCLUDING, BUT NOT LIMITED TO THE VCT, ADHESIVES, TRANSITION STRIPS AND ALL ASSOCIATED WALL BASE. PATCH AND REPAIR EXISTING SURFACES TO REMAIN AND PREP FOR NEW CONSTRUCTION/FINISH. |
| 6 | REMOVE EXISTING CASEWORK IN ITS ENTIRETY INCLUDING, BUT NOT LIMITED TO WALL CABINETS, BASE CABINETS, COUNTERTOPS, FILL PANELS, SINKS AND ALL RELATED TRIMS. PATCH AND REPAIR ALL EXISTING ADJACENT SURFACES TO REMAIN AND PREP FOR NEW CONSTRUCTION/FINISH. |
| 7 | 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. |
| 8 | REMOVE EXISTING GYPSUM BOARD BULKHEAD IN ITS ENTIRETY INCLUDING, BUT NOT LIMITED TO THE GYPSUM BOARD, STUD FRAMING AND ALL ASSOCIATED ANCHORS. PATCH AND REPAIR ALL ADJACENT SURFACES TO REMAIN AND PREP FOR NEW CONSTRUCTION/FINISH. |
| 9 | REMOVE ALL FOOD SERVICE EQUIPMENT IN ITS ENTIRETY. |
| 10 | REMOVE RESINOUS FLOORING AND COVE BASE. |
| 11 | 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/FINISH. |
| 12 | REMOVE EXISTING FLAGS AND HOLDERS. PATCH AND REPAIR WALLS AND PREP FOR NEW PAINT. |
| 13 | REMOVE EXISTING MARKER/CHALK AND TACK BOARDS IN THEIR ENTIRETY AND ALL RELATED ANCHORS AND ADHESIVES. PATCH AND PREP EXISTING WALL SURFACES TO REMAIN FOR NEW CONSTRUCTION/FINISH. |
| 14 | 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/FINISH. |
| 15 | REMOVE EXISTING EXTERIOR WALL CONSTRUCTION FOR NEW WINDOW. |
| 16 | REMOVE BULKHEAD ABOVE CASEWORK TO BE DEMOLISHED. |
| 17 | REMOVE EXISTING WALL CONSTRUCTION FOR NEW INTERIOR DOOR AND FRAME. |
| 18 | REMOVE EXISTING STAGE CONSTRUCTION IN ITS ENTIRETY. |
| 19 | REMOVE HALF WALLS IN THEIR ENTIRETY. |
| 20 | REMOVE EXISTING CARPET FLOOR FINISH IN ITS ENTIRETY INCLUDING, BUT NOT LIMITED TO THE CARPET, ADHESIVES/TACK STRIPS, TRANSITION STRIPS AND ALL ASSOCIATED WALL BASE. PATCH AND REPAIR EXISTING SURFACES TO REMAIN AND PREP FOR NEW CONSTRUCTION/FINISH. |
| 21 | REMOVE WALL SHELVING IN ITS ENTIRETY. PATCH AND REPAIR EXISTING ADJACENT SURFACES TO REMAIN. |
| 22 | REMOVE DOORS, HARDWARE, AND CENTER MULLION (IF APPLICABLE) FROM EXISTING FRAME TO REMAIN. |
| 23 | REMOVE EXISTING TOILET PARTITION SYSTEMS IN THEIR ENTIRETY. PATCH AND REPAIR EXISTING SURFACES TO REMAIN. PREPARE SURFACES TO REMAIN TO RECEIVE NEW CONSTRUCTION/FINISH. |
| 24 | EXISTING PLUMBING FIXTURE TO BE REMOVED. REFER TO P-SERIES DWGS. PATCH AND REPAIR EXISTING SURFACES TO REMAIN. |
| 25 | REMOVE PORTION OF EXISTING WALL AS REQUIRED FOR NEW INTERIOR WINDOW OPENING. VERIFY LOCATION IN FIELD WITH ARCHITECT PRIOR TO CUTTING VESTIBULE MARBLE. OPENING SHALL ALIGN WITH EXISTING MARBLE JOINTS. V.I.F. |
| 26 | REMOVE CEILING PANELS FROM EXISTING GRID TO REMAIN. |
| 27 | REMOVE TELECOM PANELS/BOARD. REFER TO T-SERIES DWGS. COORDINATE REMOVAL WITH OWNER PRIOR TO DISCONNECTION. |
| 28 | REMOVE THROUGH-WALL MAILBOX SYSTEM. PREPARE OPENING TO RECEIVE NEW WALL CONSTRUCTION. |
| 29 | 09 84 88 99 - REPAIR AND REFINISH WOOD FLOORING. REFER TO I-SERIES DWGS. |
| 30 | REMOVE EXISTING DISPLAY CASE IN ITS ENTIRETY INCLUDING, BUT NOT LIMITED TO DISPLAY DOORS, SHELVES, ALL HARDWARE, RAILS AND ALL RELATED TRIMS. PATCH AND REPAIR ALL EXISTING ADJACENT SURFACES TO REMAIN AND PREP FOR NEW CONSTRUCTION/FINISH. |
| 31 | REMOVE WALL PADS AND DOOR PADS IN THEIR ENTIRETY. PREPARE SURFACES TO RECEIVE NEW WALL PADS IN SAME LOCATION. |
| 32 | REMOVE EXISTING VINYL WALL BASE IN ITS ENTIRETY INCLUDING BUT NOT LIMITED TO THE WALL BASE, ADHESIVES, TRANSITIONS, ETC. PATCH AND REPAIR ADJACENT SURFACES TO REMAIN AND PREP FOR NEW CONSTRUCTION/FINISH. |
| 33 | REMOVE CERAMIC MOSAIC FLOOR TILES IN HATCHED AREA. PREPARE FLOOR TO RECEIVE NEW FLOORING. |
| 34 | REMOVE UNITIZED SLAB OVER CORRIDOR CEILING IN THE HATCHED AREA. REFER TO S-SERIES DWGS. |
| 35 | REMOVE LOCKERS AND ASSOCIATED TRIM. PROTECT AND MAINTAIN EXISTING BULKHEAD ABOVE. |
| 36 | REMOVE EXISTING PROJECTOR SCREEN. |
| 37 | REMOVE VINYL WALL COVERING. PREP FOR PAINT. REMOVE EXISTING WALL PROTECTION PANEL TO THE TOP OF GLAZED BLOCK. |
| 38 | REMOVE EXISTING LINOLEUM FLOORING IN ITS ENTIRETY INCLUDING, BUT NOT LIMITED TO THE LINOLEUM, ADHESIVES, TRANSITION STRIPS AND ALL ASSOCIATED WALL BASE. PATCH AND REPAIR EXISTING SURFACES TO REMAIN AND PREP FOR NEW CONSTRUCTION/FINISH. |
| 39 | REMOVE EXISTING MFT FLOORING IN ITS ENTIRETY INCLUDING, BUT NOT LIMITED TO THE MOSAIC FLOOR TILE, ADHESIVES, TRANSITION STRIPS AND ALL ASSOCIATED WALL BASE. PATCH AND REPAIR EXISTING SURFACES TO REMAIN AND PREP FOR NEW CONSTRUCTION/FINISH. |
| 40 | REMOVE EXISTING WALK-OFF CARPET FLOORING IN ITS ENTIRETY INCLUDING, BUT NOT LIMITED TO THE WALK OFF CARPET, ADHESIVES, TRANSITION STRIPS AND ALL ASSOCIATED WALL BASE. PATCH AND REPAIR EXISTING SURFACES TO REMAIN AND PREP FOR NEW CONSTRUCTION/FINISH. |
| 41 | REMOVE EXISTING DOOR, MULLIONS AND ALL RELATED HARDWARE. PROTECT EXISTING DOOR FRAME TO REMAIN. PREP EXISTING DOOR FRAME FOR NEW CONSTRUCTION. |
| 42 | REMOVE EXISTING TOILETS AND ALL RELATED ACCESSORIES IN THEIR ENTIRETY INCLUDING, BUT NOT LIMITED TO TOILET PAPER DISPENSERS, GRAB BARS, MIRRORS AND SOAP DISPENSERS. PATCH AND REPAIR ALL EXISTING SURFACES TO REMAIN. PREP FOR NEW CONSTRUCTION/FINISH. SEE P-SERIES DRAWINGS FOR PLUMBING SCOPE. |
| 43 | REMOVE EXISTING GLAZED BLOCK, WALL PROTECTION, AND VWC. PREP FOR PAINT. |
| 44 | REMOVE EXISTING VWC. PATCH AND PREP FOR PAINT. |
| 45 | REMOVE STRUCTURAL BARS AND ASSOCIATED SUPPORTS FROM OVERHEAD STRUCTURE. |
| 46 | DEMOLISH FIRE GATE IN ITS ENTIRETY. |
| 47 | REMOVE EXISTING CEILING PANELS WITH EXISTING CEILING GRID TO REMAIN. |
| 48 | REMOVE EXISTING WAINSCOTING AND CHAIR RAIL IN ITS ENTIRETY. PATCH AND PREP FOR PAINT. |

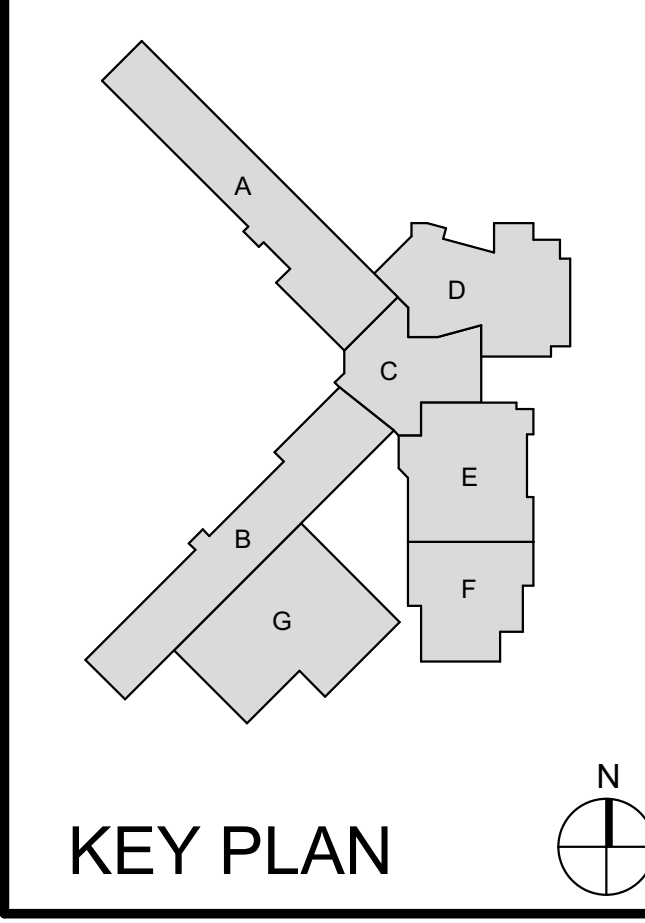


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| # | Revision | Date |
|----|-------------|------------|
| A1 | ADDENDUM #1 | 08.22.2024 |

8401 Westfield Blvd
Indianapolis, IN 46240



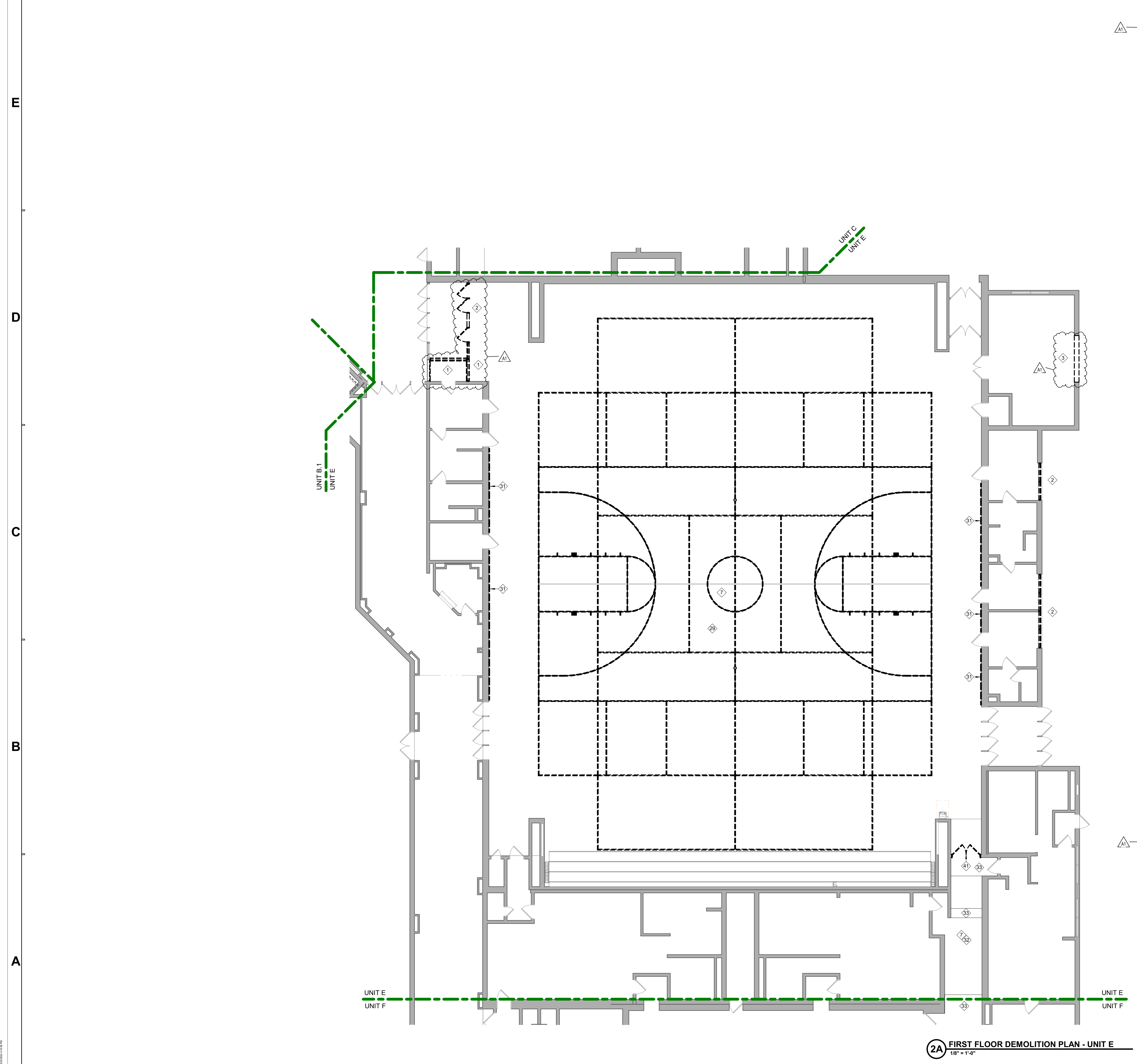
M.S.D. of Washington Township



SERVICES CENTER RENOVATION - PHASE 6B

FIRST FLOOR DEMOLITION PLAN - UNIT E1

AD1E1



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

NOTES:
1. ALL DIMENSIONS UNLESS OTHERWISE NOTED.
2. REFER TO ARCHITECTURAL AND INTERIOR FLOOR PLANS FOR FINISH CONDITIONS AND DIMENSIONS.
3. FIELD VERIFY ALL EXISTING WALL CONSTRUCTION PRIOR TO DEMOLITION.
4. REFER TO SECTION(S) FOR FURTHER DEFINITION OF DEMOLITION WORK.
5. PROTECT ALL EXISTING STRUCTURAL MEMBERS TO REMAIN.
6. PREPARE ADJACENT SURFACES TO REMAIN FOR NEW WORK.
7. REFERENCE A-SERIES AND I-SERIES FLOOR PLANS FOR FINISH CONDITIONS.
8. REFER TO SECTION(S) FOR FURTHER DEFINITION OF DEMOLITION WORK.
9. VERIFY LOCATION IN FIELD WITH ARCHITECT PRIOR TO CUTTING VESTIBULE MARBLE.
10. OPENING SHALL ALIGN WITH EXISTING MARBLE JOINTS.
11. V.I.F.
12. COORDINATE REMOVAL WITH OWNER PRIOR TO DISCONNECTION.
13. PREPARE OPENING TO RECEIVE NEW WALL CONSTRUCTION.
14. REFER TO I-SERIES DWGS.
15. SEE P-SERIES DRAWINGS FOR PLUMBING SCOPE.
16. PROTECT AND MAINTAIN EXISTING BULKHEAD ABOVE.
17. SEE P-SERIES DRAWINGS FOR PLUMBING SCOPE.
18. PREPARE SURFACES TO RECEIVE NEW WALL PADS IN SAME LOCATION.
19. SEE P-SERIES DRAWINGS FOR PLUMBING SCOPE.
20. REFER TO T-SERIES DWGS.
21. REFER TO S-SERIES DWGS.
22. REFER TO I-SERIES DWGS.
23. REFER TO P-SERIES DWGS.
24. REFER TO P-SERIES DWGS.
25. REFER TO P-SERIES DWGS.
26. REFER TO P-SERIES DWGS.
27. REFER TO P-SERIES DWGS.
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42. REFER TO I-SERIES DWGS.
43. REFER TO I-SERIES DWGS.
44. REFER TO I-SERIES DWGS.
45. REFER TO I-SERIES DWGS.
46. REFER TO I-SERIES DWGS.
47. REFER TO I-SERIES DWGS.
48. REFER TO I-SERIES DWGS.

REFER TO A-001 FOR GENERAL DEMOLITION NOTES.

DEMOLITION FLOOR PLAN NOTES

| # | NOTE |
|----|---|
| 1 | REMOVE EXISTING INTERIOR WALL CONSTRUCTION IN ITS ENTIRETY TO LIMITS INDICATED INCLUDING, BUT NOT LIMITED TO DOORS, FRAMES, WAINSCOTING, 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. PATCH AND REPAIR EXISTING ADJACENT SURFACES TO REMAIN AND PREP FOR NEW CONSTRUCTION. |
| 2 | REMOVE EXISTING WINDOW SYSTEM OR STOREFRONT 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. |
| 3 | 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. |
| 4 | REMOVE EXISTING CORRIDOR LOCKER(S) IN ITS ENTIRETY INCLUDING, BUT NOT LIMITED TO THE LOCKERS, TRIMS, CURB, BULKHEAD AND ALL ASSOCIATED ANCHORS TO LIMITS INDICATED. PROTECT ADJACENT LOCKERS, CURBS AND BULKHEAD TO REMAIN. PATCH AND REPAIR EXISTING SURFACES TO REMAIN AND PREP FOR NEW CONSTRUCTION. |
| 5 | REMOVE EXISTING VCT FLOORING IN ITS ENTIRETY INCLUDING, BUT NOT LIMITED TO THE VCT, ADHESIVES, TRANSITION STRIPS AND ALL ASSOCIATED WALL BASE. PATCH AND REPAIR EXISTING SURFACES TO REMAIN AND PREP FOR NEW CONSTRUCTION/FINISH. |
| 6 | REMOVE EXISTING CASEWORK IN ITS ENTIRETY INCLUDING, BUT NOT LIMITED TO WALL CABINETS, BASE CABINETS, COUNTERTOPS, FILL PANELS, SINKS AND ALL RELATED TRIMS. PATCH AND REPAIR ALL EXISTING ADJACENT SURFACES TO REMAIN AND PREP FOR NEW CONSTRUCTION/FINISH. |
| 7 | 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. |
| 8 | REMOVE EXISTING GYPSUM BOARD BULKHEAD IN ITS ENTIRETY INCLUDING, BUT NOT LIMITED TO THE GYPSUM BOARD, STUD FRAMING AND ALL ASSOCIATED ANCHORS. PATCH AND REPAIR ALL ADJACENT SURFACES TO REMAIN AND PREP FOR NEW CONSTRUCTION/FINISH. |
| 9 | REMOVE ALL FOOD SERVICE EQUIPMENT IN ITS ENTIRETY. |
| 10 | REMOVE RESINOUS FLOORING AND COVE BASE. |
| 11 | 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/FINISH. |
| 12 | REMOVE EXISTING FLAGS AND HOLDERS. PATCH AND REPAIR WALLS AND PREP FOR NEW PAINT. |
| 13 | REMOVE EXISTING MARKER/CHALK AND TACK BOARDS IN THEIR ENTIRETY AND ALL RELATED ANCHORS AND ADHESIVES. PATCH AND PREP EXISTING WALL SURFACES TO REMAIN FOR NEW CONSTRUCTION/FINISH. |
| 14 | 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/FINISH. |
| 15 | REMOVE EXISTING EXTERIOR WALL CONSTRUCTION FOR NEW WINDOW. |
| 16 | REMOVE BULKHEAD ABOVE CASEWORK TO BE DEMOLISHED. |
| 17 | REMOVE EXISTING WALL CONSTRUCTION FOR NEW INTERIOR DOOR AND FRAME. |
| 18 | REMOVE EXISTING STAGE CONSTRUCTION IN ITS ENTIRETY. |
| 19 | REMOVE HALF WALLS IN THEIR ENTIRETY. |
| 20 | REMOVE EXISTING CARPET FLOOR FINISH IN ITS ENTIRETY INCLUDING, BUT NOT LIMITED TO THE CARPET, ADHESIVE/TACK STRIPS, TRANSITION STRIPS AND ALL ASSOCIATED WALL BASE. PATCH AND REPAIR EXISTING SURFACES TO REMAIN AND PREP FOR NEW CONSTRUCTION/FINISH. |
| 21 | REMOVE WALL SHELVING IN ITS ENTIRETY. PATCH AND REPAIR EXISTING ADJACENT SURFACES TO REMAIN. |
| 22 | REMOVE DOORS, HARDWARE, AND CENTER MULLION (IF APPLICABLE) FROM EXISTING FRAME TO REMAIN. |
| 23 | REMOVE EXISTING TOILET PARTITION SYSTEMS IN THEIR ENTIRETY. PATCH AND REPAIR EXISTING SURFACES TO REMAIN. PREPARE SURFACES TO REMAIN TO RECEIVE NEW CONSTRUCTION/FINISH. |
| 24 | EXISTING PLUMBING FIXTURE TO BE REMOVED. REFER TO P-SERIES DWGS. PATCH AND REPAIR EXISTING SURFACES TO REMAIN. |
| 25 | REMOVE PORTION OF EXISTING WALL AS REQUIRED FOR NEW INTERIOR WINDOW OPENING. VERIFY LOCATION IN FIELD WITH ARCHITECT PRIOR TO CUTTING. OPENING SHALL ALIGN WITH EXISTING MARBLE JOINTS, V.I.F. |
| 26 | REMOVE CEILING PANELS FROM EXISTING GRID TO REMAIN. |
| 27 | REMOVE TELECOM PANELS/BOARD. REFER TO T-SERIES DWGS. COORDINATE REMOVAL WITH OWNER PRIOR TO DISCONNECTION. |
| 28 | REMOVE THROUGH-WALL MAILBOX SYSTEM. PREPARE OPENING TO RECEIVE NEW WALL CONSTRUCTION. |
| 29 | 09 64 68 99 - REPAIR AND REFINISH WOOD FLOORING. REFER TO I-SERIES DWGS. |
| 30 | REMOVE EXISTING DISPLAY CASE IN ITS ENTIRETY INCLUDING, BUT NOT LIMITED TO DISPLAY DOORS, SHELVES, ALL HARDWARE, RAILS AND ALL RELATED TRIMS. PATCH AND REPAIR ALL EXISTING ADJACENT SURFACES TO REMAIN AND PREP FOR NEW CONSTRUCTION/FINISH. |
| 31 | REMOVE WALL PADS AND DOOR PADS IN THEIR ENTIRETY. PREPARE SURFACES TO RECEIVE NEW WALL PADS IN SAME LOCATION. |
| 32 | REMOVE EXISTING VINYL WALL BASE IN ITS ENTIRETY INCLUDING BUT NOT LIMITED TO THE WALL BASE, ADHESIVES, TRANSITIONS, ETC. PATCH AND REPAIR ADJACENT SURFACES TO REMAIN AND PREP FOR NEW CONSTRUCTION/FINISH. |
| 33 | REMOVE CERAMIC MOSAIC FLOOR TILES IN HATCHED AREA. PREPARE FLOOR TO RECEIVE NEW FLOORING. |
| 34 | REMOVE UNUTILIZED SLAB OVER CORRIDOR CEILING IN THE HATCHED AREA. REFER TO S-SERIES DWGS. |
| 35 | REMOVE LOCKERS AND ASSOCIATED TRIM. PROTECT AND MAINTAIN EXISTING BULKHEAD ABOVE. |
| 36 | REMOVE EXISTING PROJECTOR SCREEN. |
| 37 | REMOVE VINYL WALL COVERING. PREP FOR PAINT. REMOVE EXISTING WALL PROTECTION PANEL TO THE TOP OF GLAZED BLOCK. |
| 38 | REMOVE EXISTING LINOLEUM FLOORING IN ITS ENTIRETY INCLUDING, BUT NOT LIMITED TO THE LINOLEUM, ADHESIVES, TRANSITION STRIPS AND ALL ASSOCIATED WALL BASE. PATCH AND REPAIR EXISTING SURFACES TO REMAIN AND PREP FOR NEW CONSTRUCTION/FINISH. |
| 39 | REMOVE EXISTING HFT FLOORING IN ITS ENTIRETY INCLUDING, BUT NOT LIMITED TO THE MOSAIC FLOOR TILE, ADHESIVES, TRANSITION STRIPS AND ALL ASSOCIATED WALL BASE. PATCH AND REPAIR EXISTING SURFACES TO REMAIN AND PREP FOR NEW CONSTRUCTION/FINISH. |
| 40 | REMOVE EXISTING WALK-OFF CARPET FLOORING IN ITS ENTIRETY INCLUDING, BUT NOT LIMITED TO THE WALK OFF CARPET, ADHESIVES, TRANSITION STRIPS AND ALL ASSOCIATED WALL BASE. PATCH AND REPAIR EXISTING SURFACES TO REMAIN AND PREP FOR NEW CONSTRUCTION/FINISH. |
| 41 | REMOVE EXISTING DOOR, MULLIONS AND ALL RELATED HARDWARE. PROTECT EXISTING DOOR FRAME TO REMAIN. PREP EXISTING DOOR FRAME FOR NEW CONSTRUCTION. |
| 42 | REMOVE EXISTING TOILETS AND ALL RELATED ACCESSORIES IN THEIR ENTIRETY INCLUDING, BUT NOT LIMITED TO TOILET PAPER DISPENSERS, GRAB BARS, MIRRORS AND SOAP DISPENSERS. PATCH AND REPAIR ALL EXISTING SURFACES TO REMAIN. PREP FOR NEW CONSTRUCTION/FINISH. SEE P-SERIES DRAWINGS FOR PLUMBING SCOPE. |
| 43 | REMOVE EXISTING GLAZED BLOCK, WALL PROTECTION, AND VWC. PREP FOR PAINT. |
| 44 | REMOVE EXISTING VWC. PATCH AND PREP FOR PAINT. |
| 45 | REMOVE STRUCTURAL BARS AND ASSOCIATED SUPPORTS FROM OVERHEAD STRUCTURE. |
| 46 | DEMOLISH FIRE GATE IN ITS ENTIRETY. |
| 47 | REMOVE EXISTING CEILING PANELS WITH EXISTING CEILING GRID TO REMAIN. |
| 48 | REMOVE EXISTING WAINSCOTING AND CHAIR RAIL IN ITS ENTIRETY. PATCH AND PREP FOR PAINT. |



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

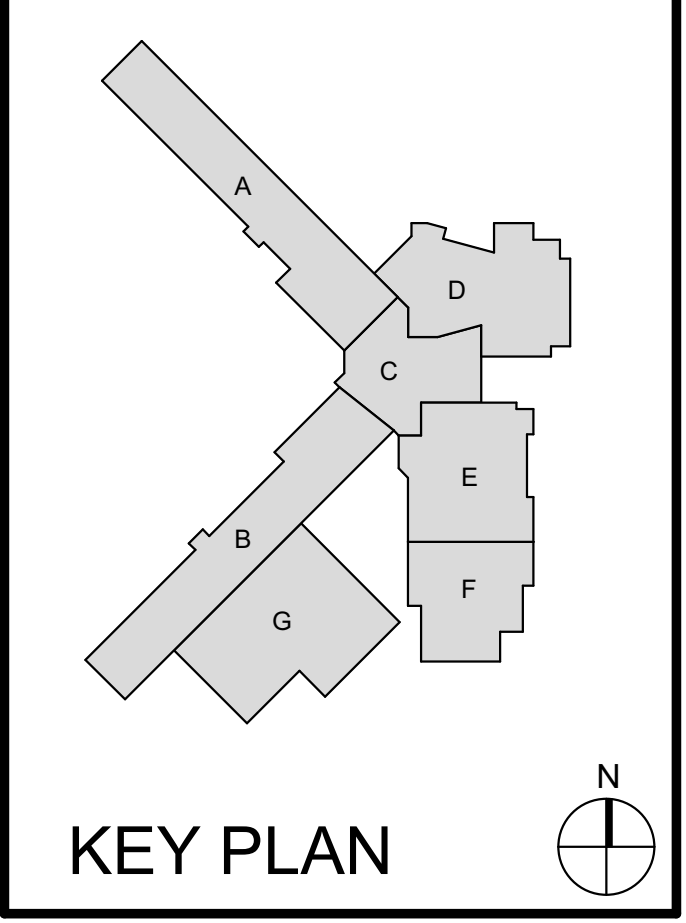
SCHMIDT ASSOCIATES
415 Massachusetts Avenue
Indianapolis, IN 46204
www.schmidt-arch.com

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| # | Revision | Date |
|----|-------------|------------|
| A1 | ADDENDUM #1 | 08.22.2024 |

8401 Westfield Blvd
Indianapolis, IN 46240



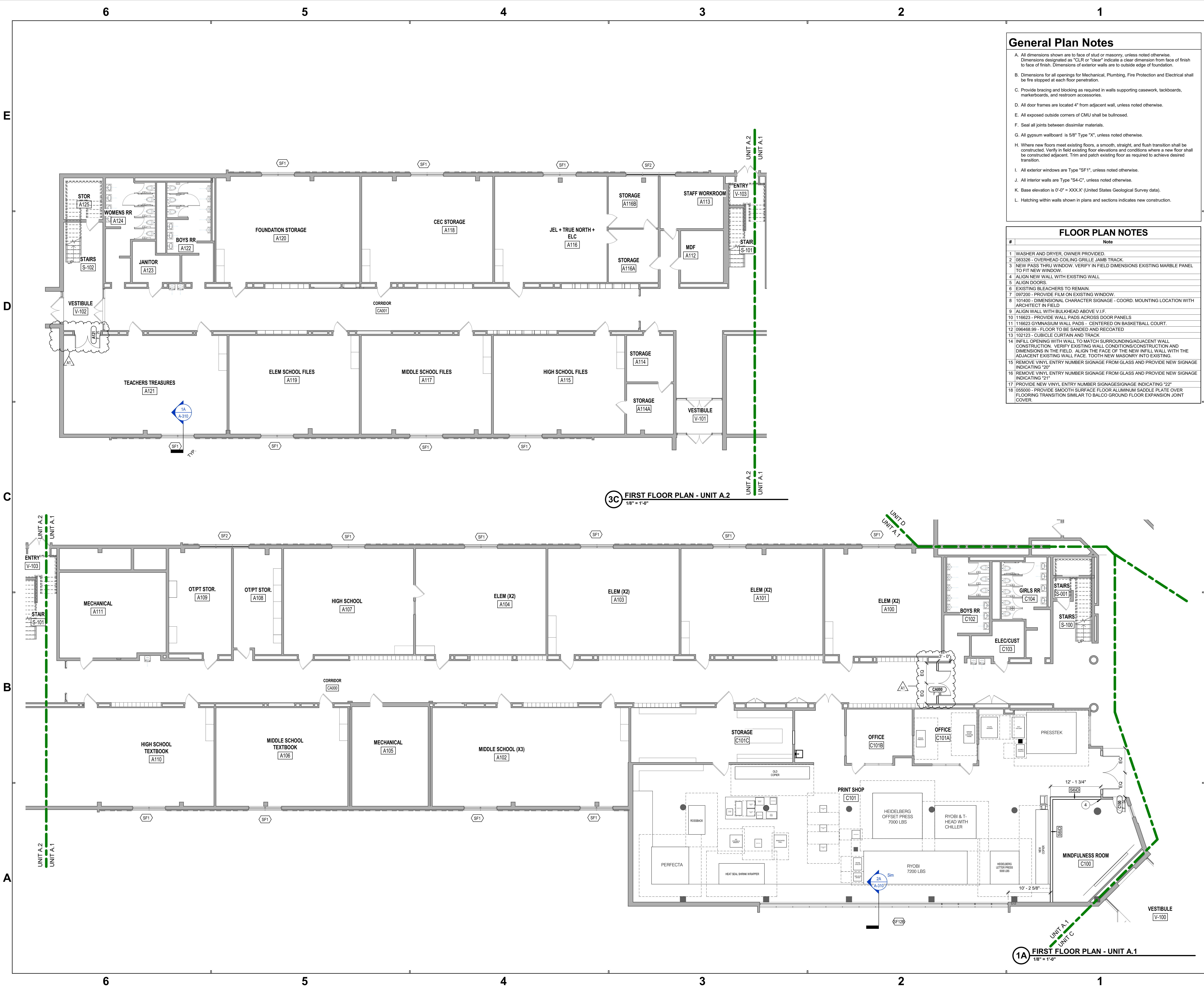
M.S.D. of Washington Township



SERVICES CENTER
RENOVATION -
PHASE 6B

FIRST FLOOR
DEMOLITION PLAN - UNIT
G

AD1G1



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 "SF1", unless noted otherwise.

J. All interior walls are Type "S4-C", 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 | WASHER AND DRYER, OWNER PROVIDED. |
| 2 | 08326 - OVERHEAD COILING GRILLE JAMB TRACK. |
| 3 | NEW PASS THRU WINDOW. VERIFY IN FIELD DIMENSIONS EXISTING MARBLE PANEL TO FIT NEW WINDOW. |
| 4 | ALIGN NEW WALL WITH EXISTING WALL. |
| 5 | ALIGN DOORS. |
| 6 | EXISTING BLEACHERS TO REMAIN. |
| 7 | 097200 - PROVIDE FILM ON EXISTING WINDOW. |
| 8 | 101400 - DIMENSIONAL CHARACTER SIGNAGE - COORD. MOUNTING LOCATION WITH ARCHITECT IN FIELD. |
| 9 | ALIGN WALL WITH BULKHEAD ABOVE V.I.F. |
| 10 | 116623 - PROVIDE WALL PADS ACROSS DOOR PANELS. |
| 11 | 116623 GYMNASIUM WALL PADS - CENTERED ON BASKETBALL COURT. |
| 12 | 096468.99 - FLOOR TO BE SANDED AND RECOATED. |
| 13 | 102123 - CUBICLE CURTAIN AND TRACK. |
| 14 | INFILL OPENING WITH WALL TO MATCH SURROUNDING ADJACENT WALL CONSTRUCTION. VERIFY EXISTING WALL CONDITIONS CONSTRUCTION AND DIMENSIONS IN THE FIELD. ALIGN THE FACE OF THE NEW INFILL WALL WITH THE ADJACENT EXISTING WALL FACE. TOOTH NEW MASONRY INTO EXISTING. |
| 15 | REMOVE VINYL ENTRY NUMBER SIGNAGE FROM GLASS AND PROVIDE NEW SIGNAGE INDICATING "20" |
| 16 | REMOVE VINYL ENTRY NUMBER SIGNAGE FROM GLASS AND PROVIDE NEW SIGNAGE INDICATING "21" |
| 17 | PROVIDE NEW VINYL ENTRY NUMBER SIGNAGE INDICATING "22" |
| 18 | 055000 - PROVIDE SMOOTH SURFACE FLOOR ALUMINUM SADDLE PLATE OVER FLOORING TRANSITION SIMILAR TO BALCO GROUND FLOOR EXPANSION JOINT COVER. |

3C FIRST FLOOR PLAN - UNIT A.2
1/8" = 1'-0"

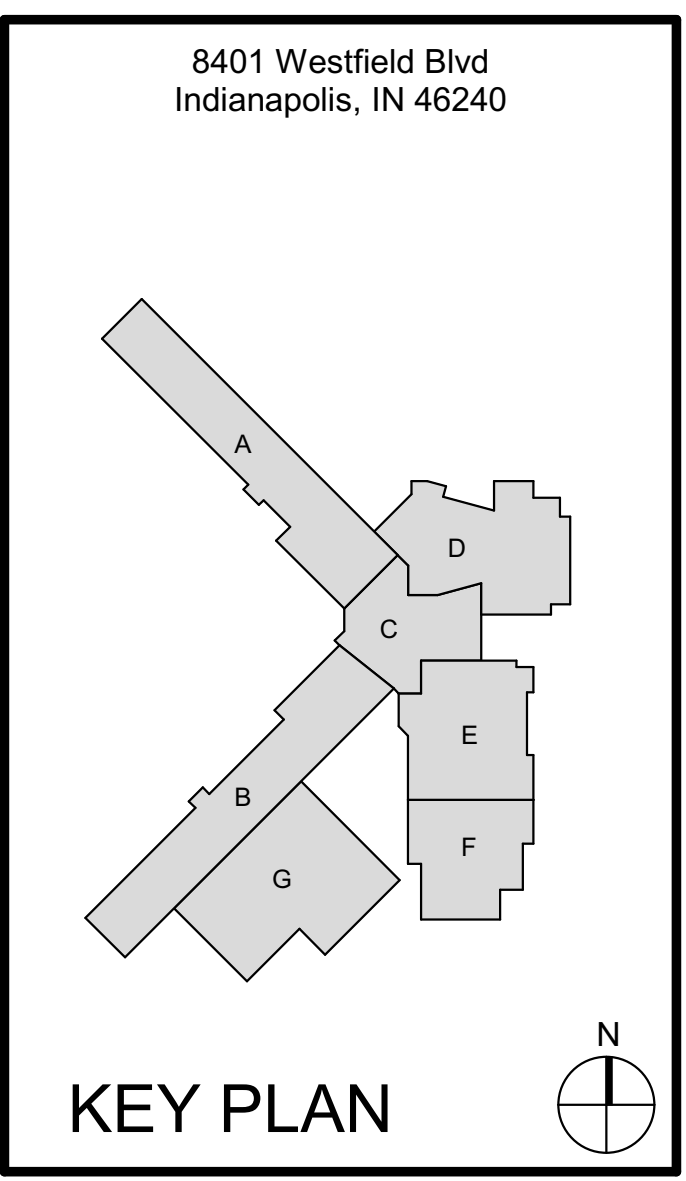
1A FIRST FLOOR PLAN - UNIT A.1
1/8" = 1'-0"



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Project Date 07.31.2024
Produced SS TM

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| # | Revision | Date |
|----|-------------|------------|
| A1 | ADDENDUM #1 | 08.22.2024 |

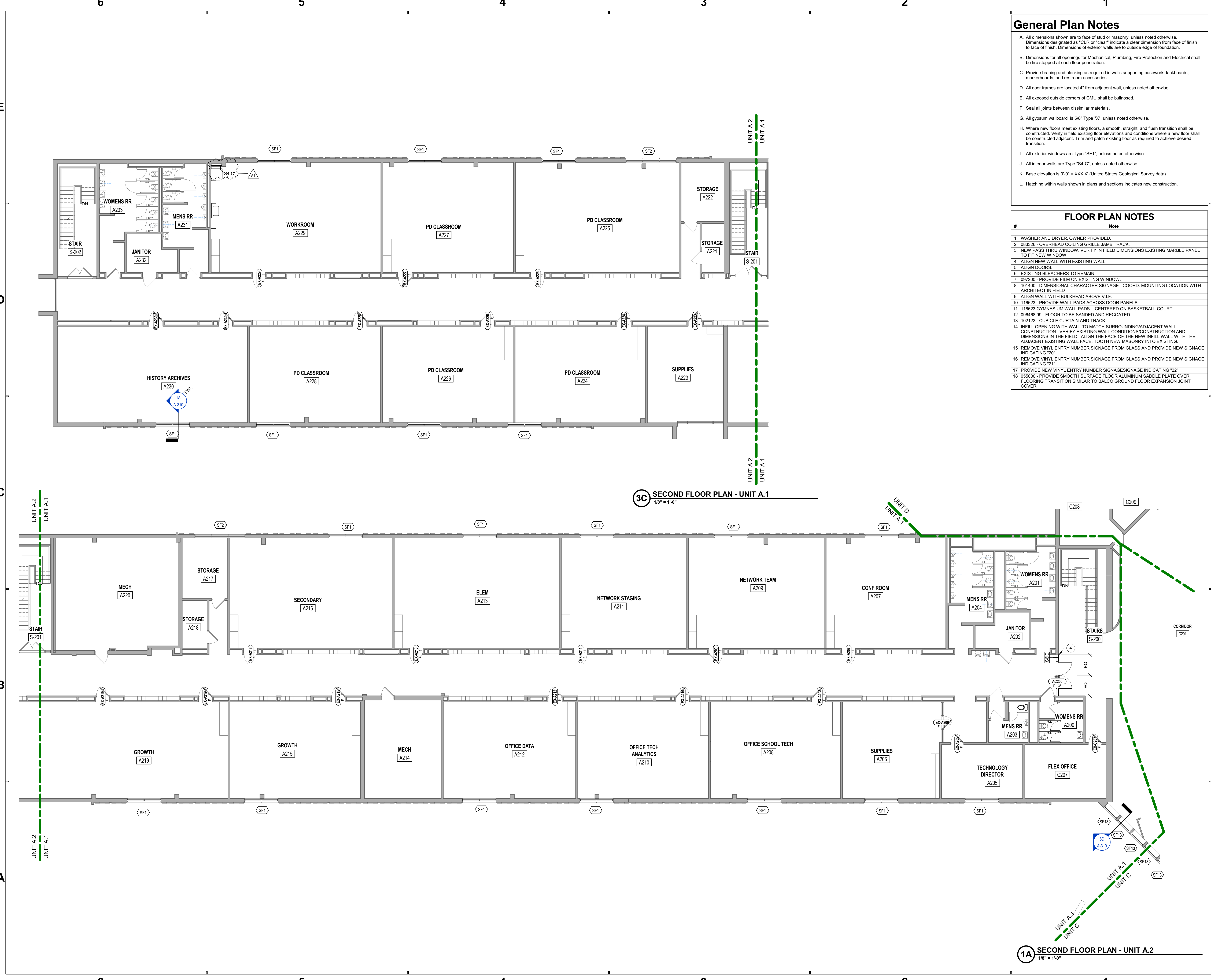


M.S.D. of Washington Township

SERVICES CENTER RENOVATION - PHASE 6B

FIRST FLOOR PLAN - UNIT A
AF1A1

ALL DIMENSIONS UNLESS OTHERWISE NOTED ARE TO FACE OF STUD OR MASONRY. 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. PROVIDE BRACING AND BLOCKING AS REQUIRED IN WALLS SUPPORTING CASWORK, TACKBOARDS, MARKERBOARDS, AND RESTROOM ACCESSORIES. ALL DOOR FRAMES ARE LOCATED 4" FROM ADJACENT WALL, UNLESS NOTED OTHERWISE. ALL EXPOSED OUTSIDE CORNERS OF CMU SHALL BE BULLNOSED. SEAL ALL JOINTS BETWEEN DISSIMILAR MATERIALS. ALL GYPSUM WALLBOARD IS 5/8" TYPE "X", UNLESS NOTED OTHERWISE. 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. ALL EXTERIOR WINDOWS ARE TYPE "SF1", UNLESS NOTED OTHERWISE. ALL INTERIOR WALLS ARE TYPE "S4-C", UNLESS NOTED OTHERWISE. BASE ELEVATION IS 0'-0" = XXX'X" (UNITED STATES GEOLOGICAL SURVEY DATA). HATCHING WITHIN WALLS SHOWN IN PLANS AND SECTIONS INDICATES NEW CONSTRUCTION.



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 "SF1", unless noted otherwise.
- J. All interior walls are Type "S4-C", 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 | WASHER AND DRYER, OWNER PROVIDED. |
| 2 | 083326 - OVERHEAD COILING GRILLE JAMB TRACK. |
| 3 | NEW PASS THRU WINDOW. VERIFY IN FIELD DIMENSIONS EXISTING MARBLE PANEL TO FIT NEW WINDOW. |
| 4 | ALIGN NEW WALL WITH EXISTING WALL |
| 5 | ALIGN DOORS. |
| 6 | EXISTING BLEACHERS TO REMAIN. |
| 7 | 097200 - PROVIDE FILM ON EXISTING WINDOW. |
| 8 | 101400 - DIMENSIONAL CHARACTER SIGNAGE - COORD. MOUNTING LOCATION WITH ARCHITECT IN FIELD |
| 9 | ALIGN WALL WITH BULKHEAD ABOVE V.I.F. |
| 10 | 118623 - PROVIDE WALL PADS ACROSS DOOR PANELS |
| 11 | 118623 GYMNASIUM WALL PADS - CENTERED ON BASKETBALL COURT. |
| 12 | 096468.99 - FLOOR TO BE SANDED AND RECOATED |
| 13 | 102123 - CUBICLE CURTAIN AND TRACK |
| 14 | INFILL OPENING WITH WALL TO MATCH SURROUNDING ADJACENT WALL CONSTRUCTION. VERIFY EXISTING WALL CONDITIONS CONSTRUCTION AND DIMENSIONS IN THE FIELD. ALIGN THE FACE OF THE NEW INFILL WALL WITH THE ADJACENT EXISTING WALL FACE. TOOTH NEW MASONRY INTO EXISTING. |
| 15 | REMOVE VINYL ENTRY NUMBER SIGNAGE FROM GLASS AND PROVIDE NEW SIGNAGE INDICATING "20" |
| 16 | REMOVE VINYL ENTRY NUMBER SIGNAGE FROM GLASS AND PROVIDE NEW SIGNAGE INDICATING "21" |
| 17 | PROVIDE NEW VINYL ENTRY NUMBER SIGNAGE INDICATING "22" |
| 18 | 055000 - PROVIDE SMOOTH SURFACE FLOOR ALUMINUM SADDLE PLATE OVER FLOORING TRANSITION SIMILAR TO BALCO GROUND FLOOR EXPANSION JOINT COVER. |

3C SECOND FLOOR PLAN - UNIT A.1
1/8" = 1'-0"

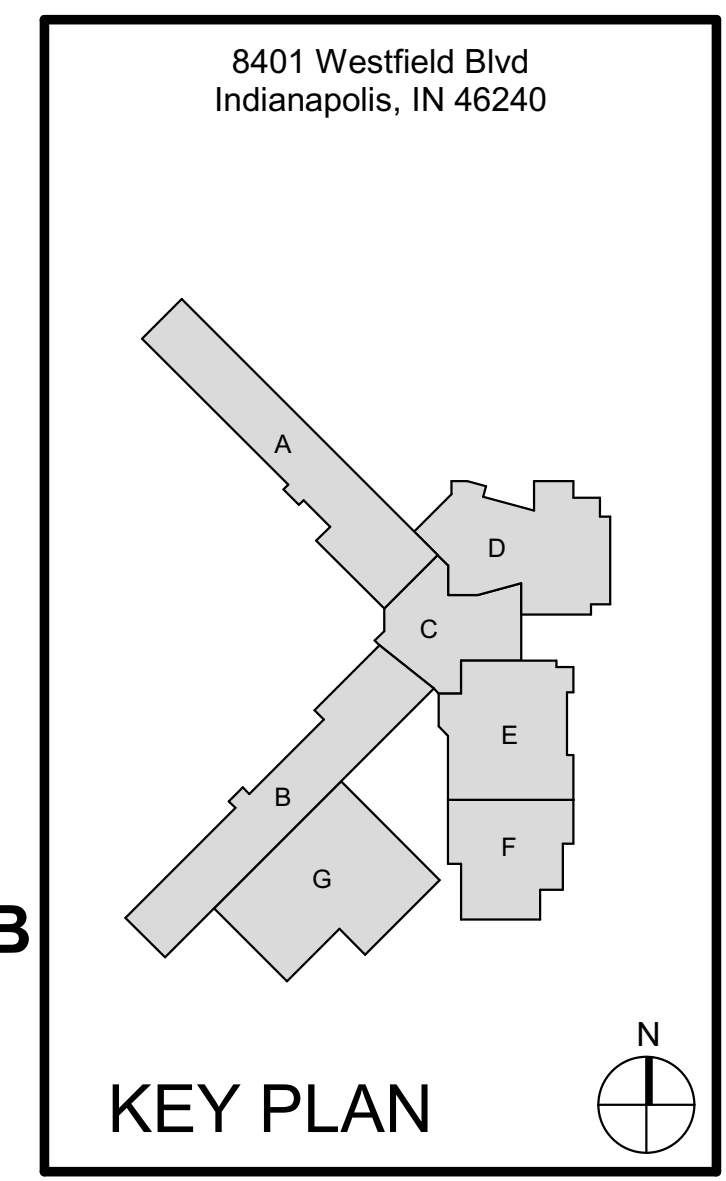
1A SECOND FLOOR PLAN - UNIT A.2
1/8" = 1'-0"



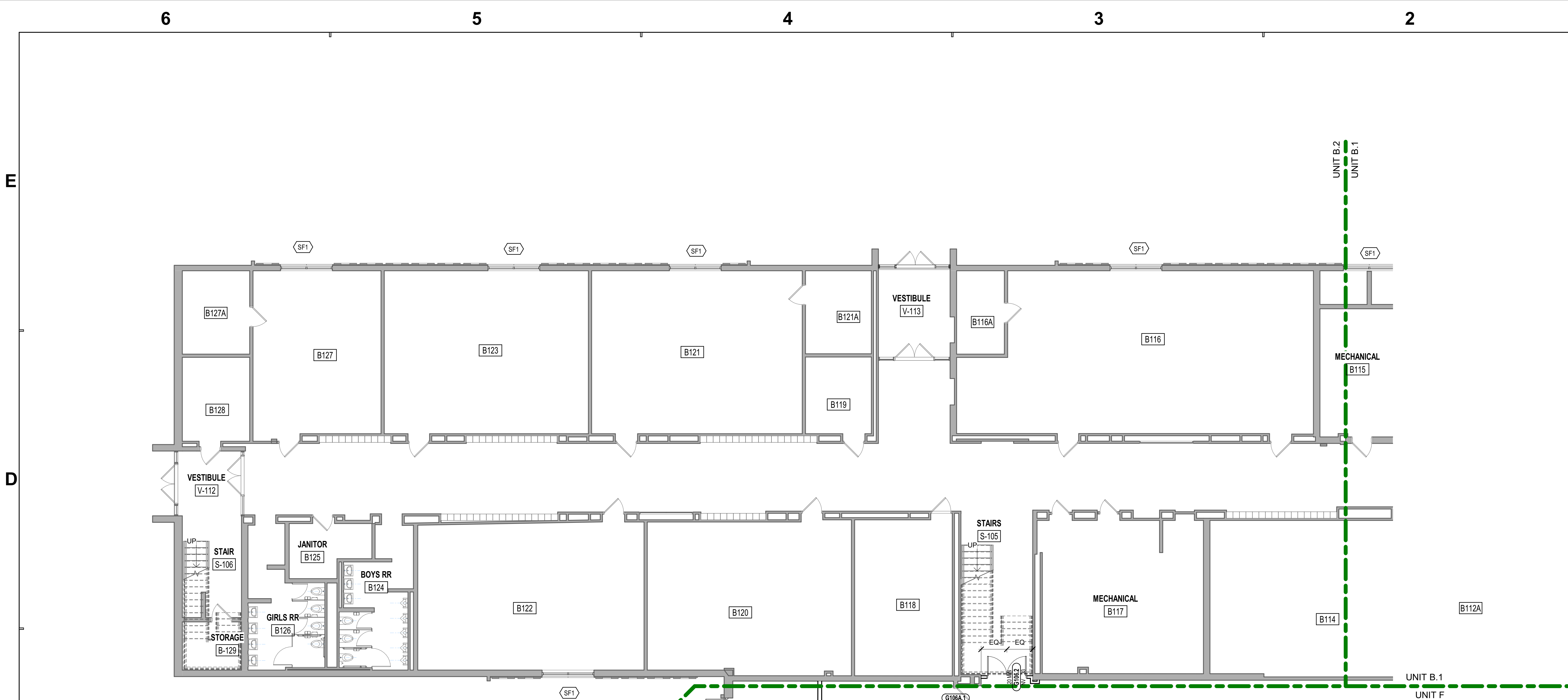
Project No. 2019-067.WSC
Project Date 07.31.2024
Produced SS TM

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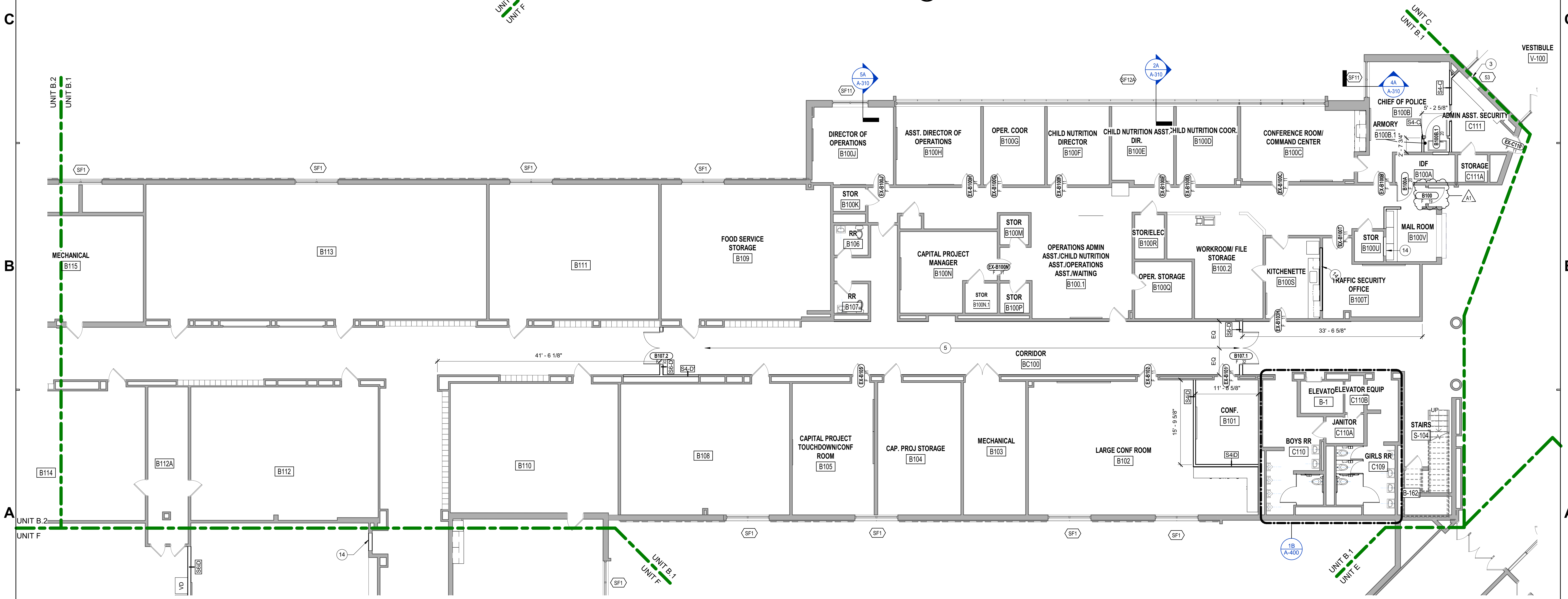
| # | Revision | Date |
|----|-------------|------------|
| A1 | ADDENDUM #1 | 08.22.2024 |



M.S.D. of Washington Township
WASHINGTON TOWNSHIP SCHOOLS
SERVICES CENTER RENOVATION - PHASE 6B
SECOND FLOOR PLAN - UNIT A
AF1A2



2 FIRST FLOOR PLAN - UNIT B.2
1/8" = 1'-0"



1 FIRST FLOOR PLAN - UNIT B.1
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 "SF1", unless noted otherwise.
- J. All interior walls are Type "S4-C", unless noted otherwise.
- K. Base elevation is 0'-0" = XXX.X' (United States Geological Survey data).
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FLOOR PLAN NOTES

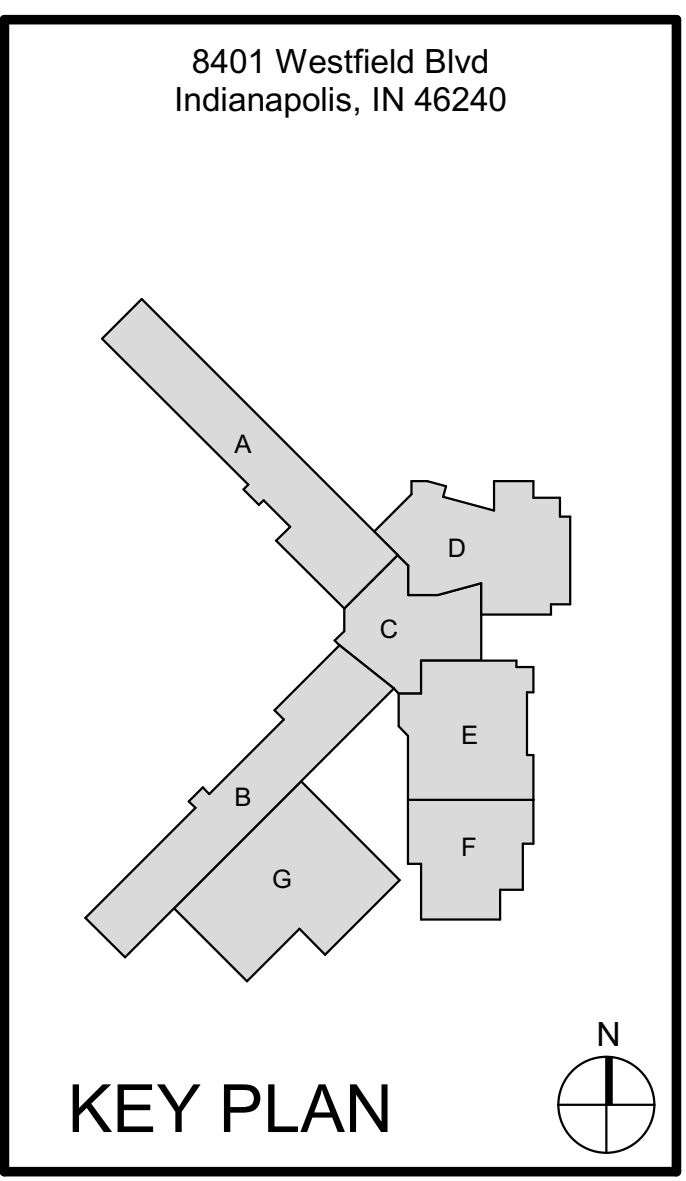
| # | Note |
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| 1 | WASHER AND DRYER, OWNER PROVIDED. |
| 2 | 08326 - OVERHEAD COILING GRILLE JAMB TRACK. |
| 3 | NEW PASS THRU WINDOW. VERIFY IN FIELD DIMENSIONS EXISTING MARBLE PANEL TO FIT NEW WINDOW. |
| 4 | ALIGN NEW WALL WITH EXISTING WALL |
| 5 | ALIGN DOORS. |
| 6 | EXISTING BLEACHERS TO REMAIN. |
| 7 | 097203 - PROVIDE FILM ON EXISTING WINDOW. |
| 8 | 101400 - DIMENSIONAL CHARACTER SIGNAGE - COORD. MOUNTING LOCATION WITH ARCHITECT IN FIELD |
| 9 | ALIGN WALL WITH BULKHEAD ABOVE V.I.F. |
| 10 | 118623 - PROVIDE WALL PADS ACROSS DOOR PANELS |
| 11 | 118623 GYMNASIUM WALL PADS - CENTERED ON BASKETBALL COURT. |
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| 13 | 102123 - CUBICLE CURTAIN AND TRACK |
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Project Date 07.31.2024
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| A1 | ADDENDUM #1 | 08.22.2024 |



M.S.D. of Washington Township
WASHINGTON TOWNSHIP SCHOOLS
SERVICES CENTER RENOVATION - PHASE 6B

FIRST FLOOR PLAN - UNIT B

AF1B1

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6 5 4 3 2 1

E D C B A

6 5 4 3 2 1

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FLOOR PLAN NOTES

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| 6 | EXISTING BLEACHERS TO REMAIN. |
| 7 | 097200 - PROVIDE FILM ON EXISTING WINDOW. |
| 8 | 101400 - DIMENSIONAL CHARACTER SIGNAGE - COORD. MOUNTING LOCATION WITH ARCHITECT IN FIELD |
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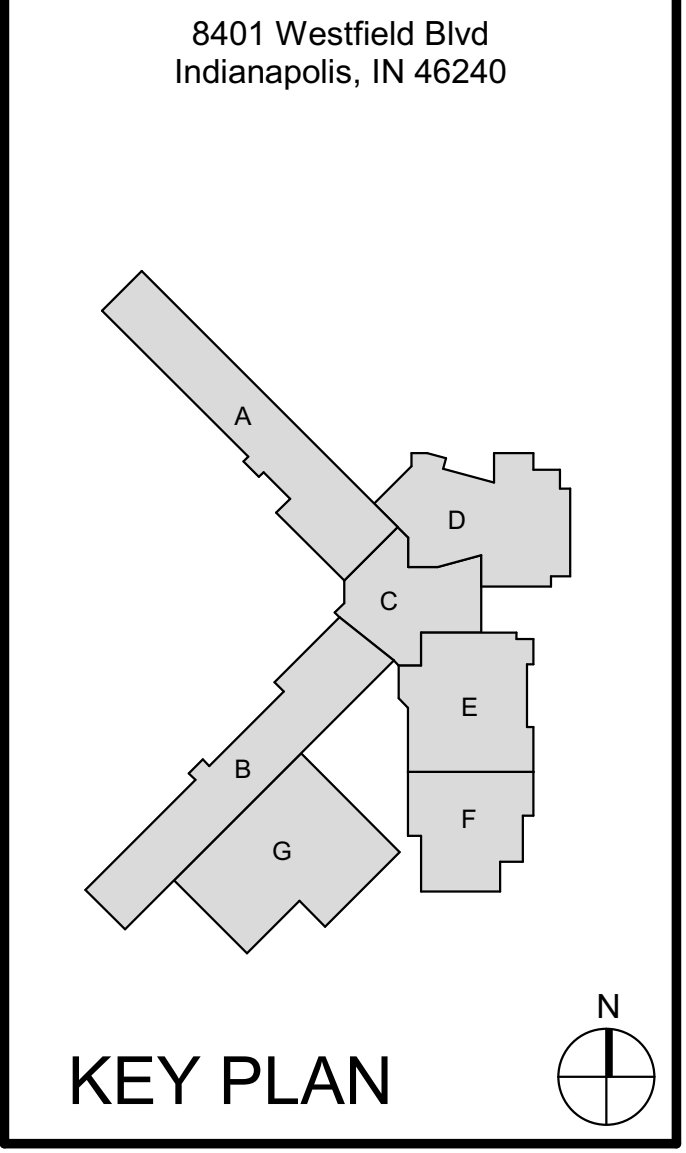
2A FIRST FLOOR PLAN - UNIT C
1/8" = 1'-0"



Project No. 2019-067.WSC
 Project Date 07.31.2024
 Produced SS TM

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M.S.D. of Washington Township
 WASHINGTON TOWNSHIP SCHOOLS
 SERVICES CENTER RENOVATION - PHASE 6B

FIRST FLOOR PLAN - UNIT C

AF1C1

DATE: 08/22/2024 10:42 AM
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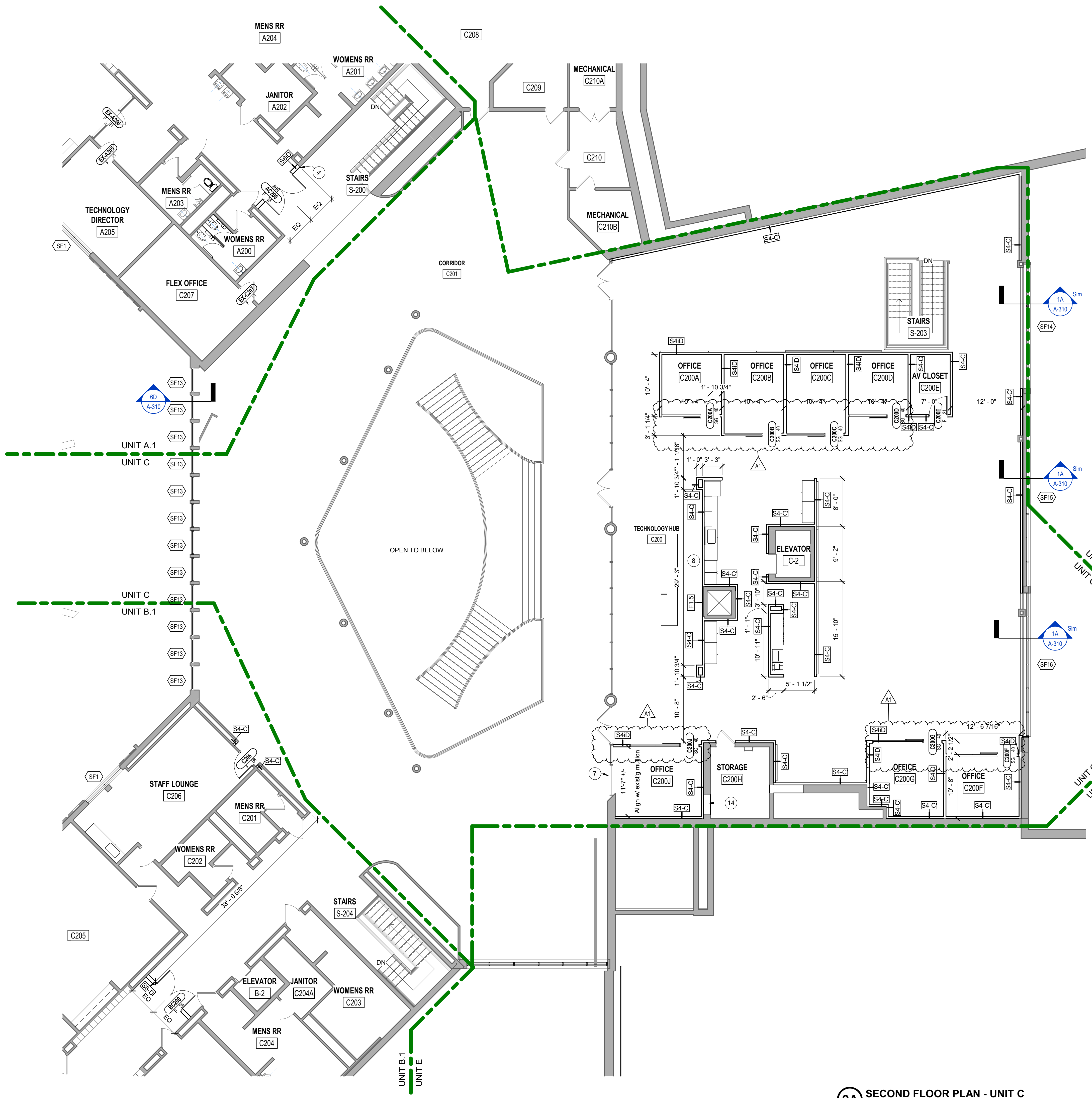
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FLOOR PLAN NOTES

- | # | Note |
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| 5 | ALIGN DOORS. |
| 6 | EXISTING BLEACHERS TO REMAIN. |
| 7 | 097205 - PROVIDE FILM ON EXISTING WINDOW. |
| 8 | 101400 - DIMENSIONAL CHARACTER SIGNAGE - COORD. MOUNTING LOCATION WITH ARCHITECT IN FIELD |
| 9 | ALIGN WALL WITH BULKHEAD ABOVE V.I.F. |
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| 11 | 118623 GYMNASIUM WALL PADS - CENTERED ON BASKETBALL COURT. |
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2A SECOND FLOOR PLAN - UNIT C
1/8" = 1'-0"

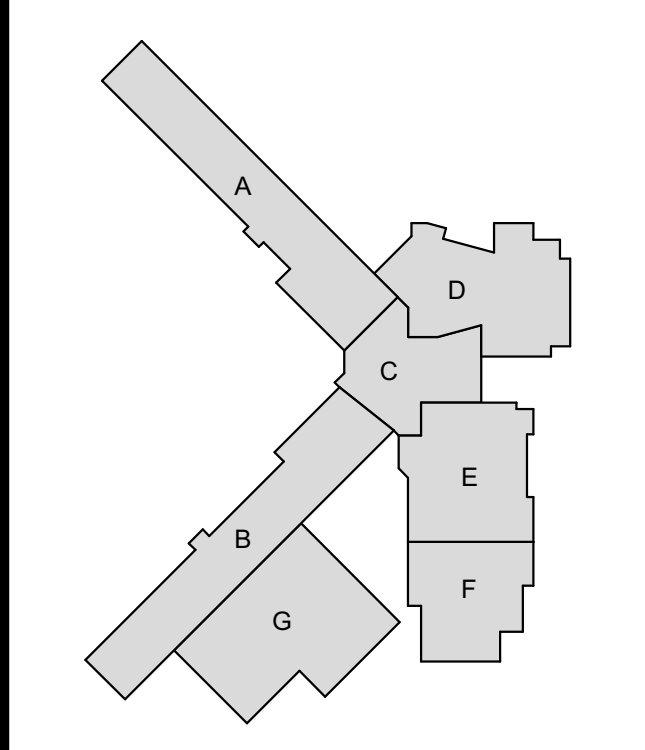


Project No. 2019-067.WSC
 Project Date 07.31.2024
 Produced SS TM

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| # | Revision | Date |
|----|-------------|------------|
| A1 | ADDENDUM #1 | 08.22.2024 |

8401 Westfield Blvd
 Indianapolis, IN 46240



KEY PLAN

M.S.D. of Washington Township



SERVICES CENTER RENOVATION - PHASE 6B

SECOND FLOOR PLAN - UNIT C

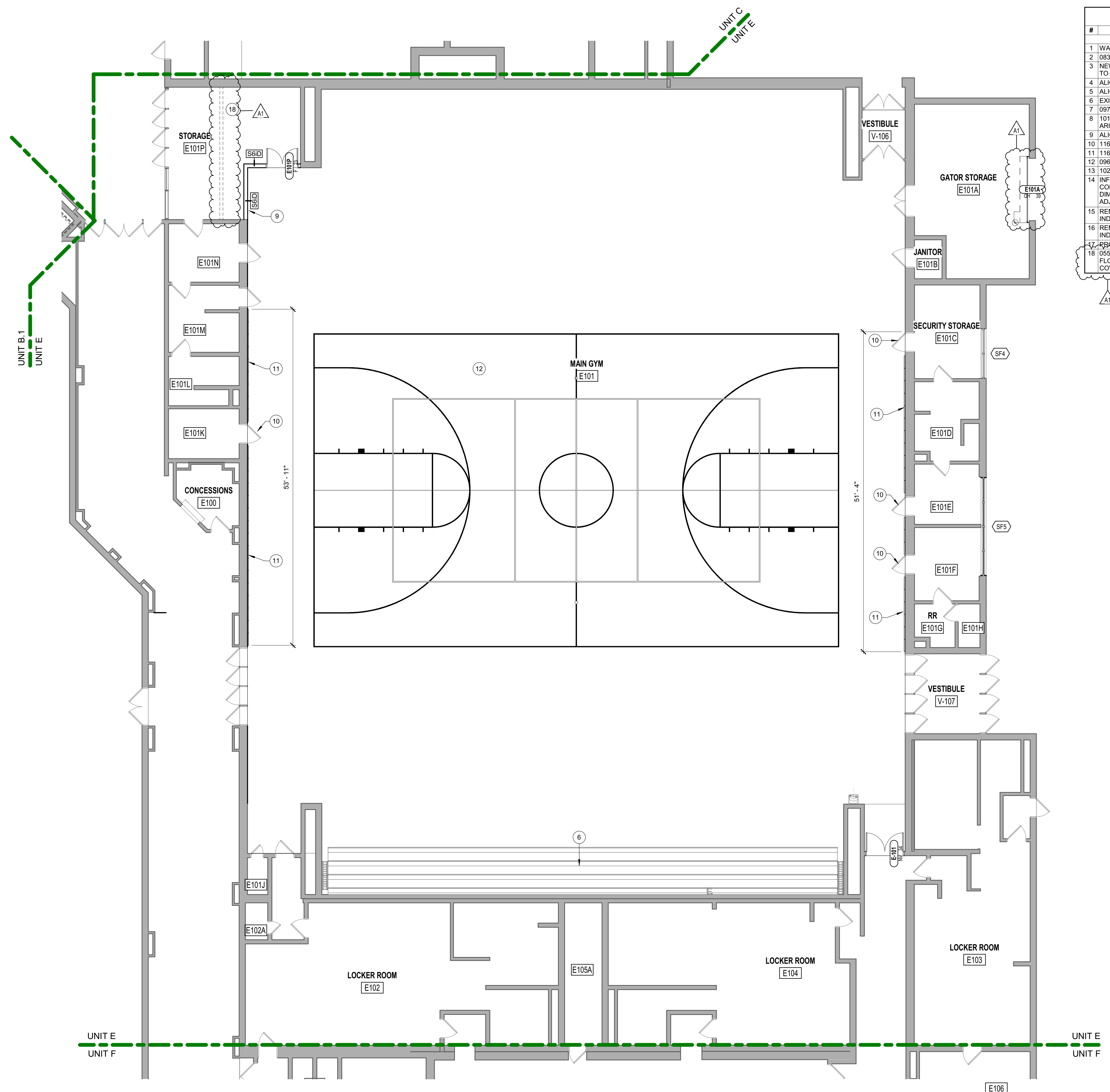
AF1C2

PROJECT: 2019-067.WSC - JWC
 DRAWING TITLE: SECOND FLOOR RENOVATION - PHASE 6B
 DRAWING NO.: AF1C2
 DATE: 08.22.2024
 SCALE: 1/8" = 1'-0"

6 5 4 3 2 1

E D C B A

6 5 4 3 2 1



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FLOOR PLAN NOTES

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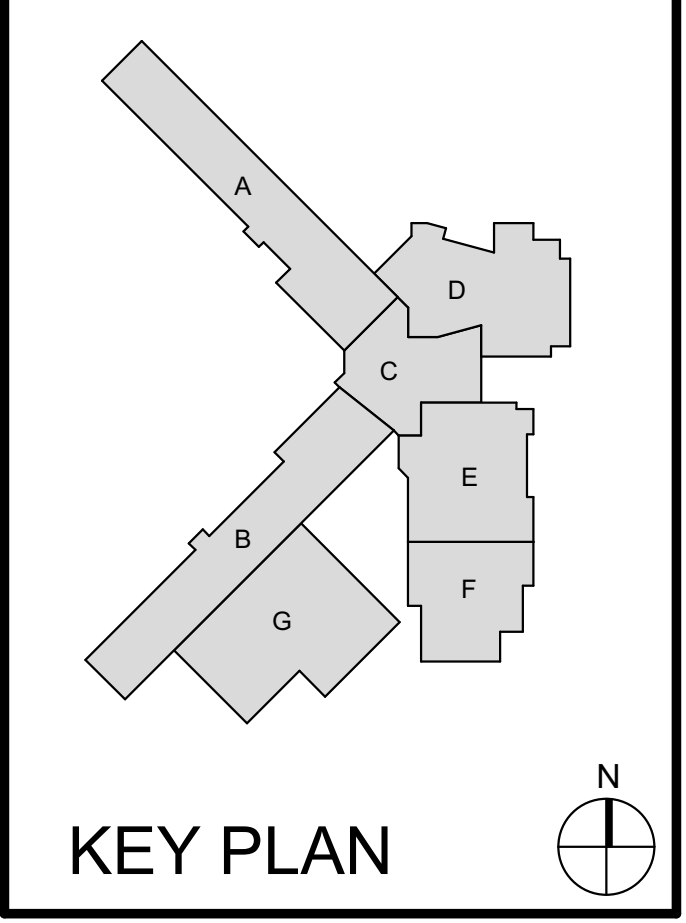
SCHMIDT ASSOCIATES
415 Massachusetts Avenue
Indianapolis, IN 46204
www.schmidt-arch.com

Project No. 2019-067.WSC
Project Date 07.31.2024
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| A1 | ADDENDUM #1 | 08.22.2024 |

8401 Westfield Blvd
Indianapolis, IN 46240



M.S.D. of Washington Township



SERVICES CENTER RENOVATION - PHASE 6B

FIRST FLOOR PLAN - UNIT E1

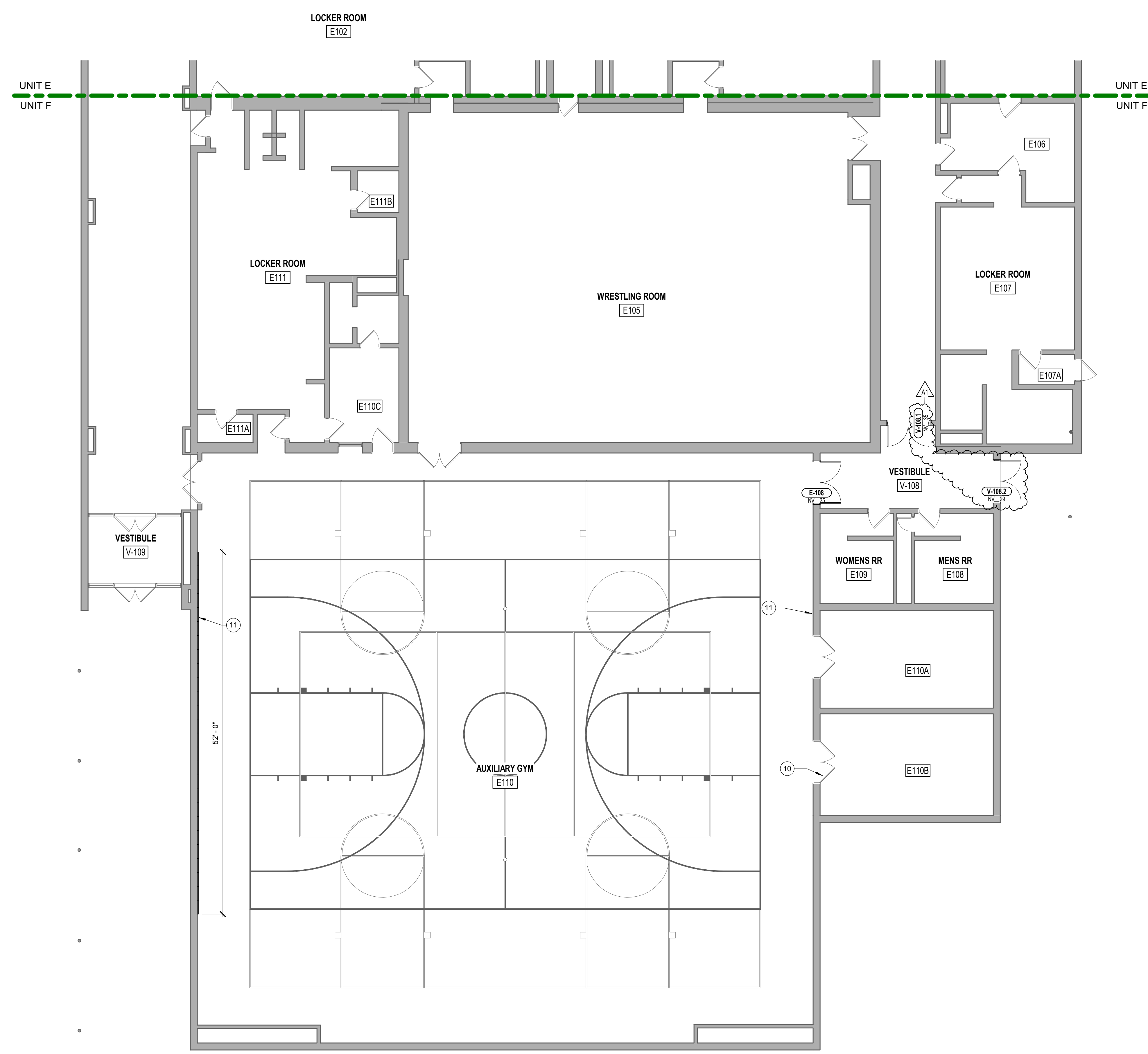
AF1E1

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

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PLOTTER: HP DesignJet T1100e
PLOT SCALE: 1/8" = 1'-0"

6 5 4 3 2 1

E
D
C
B
A



- ### General Plan Notes
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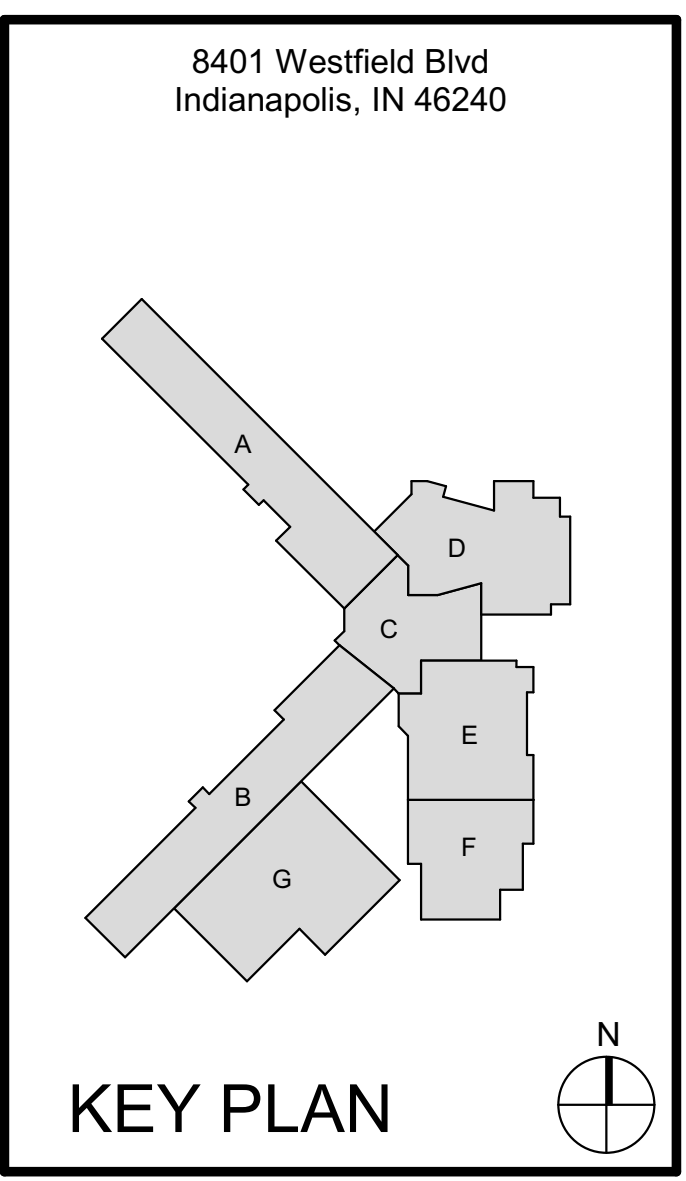
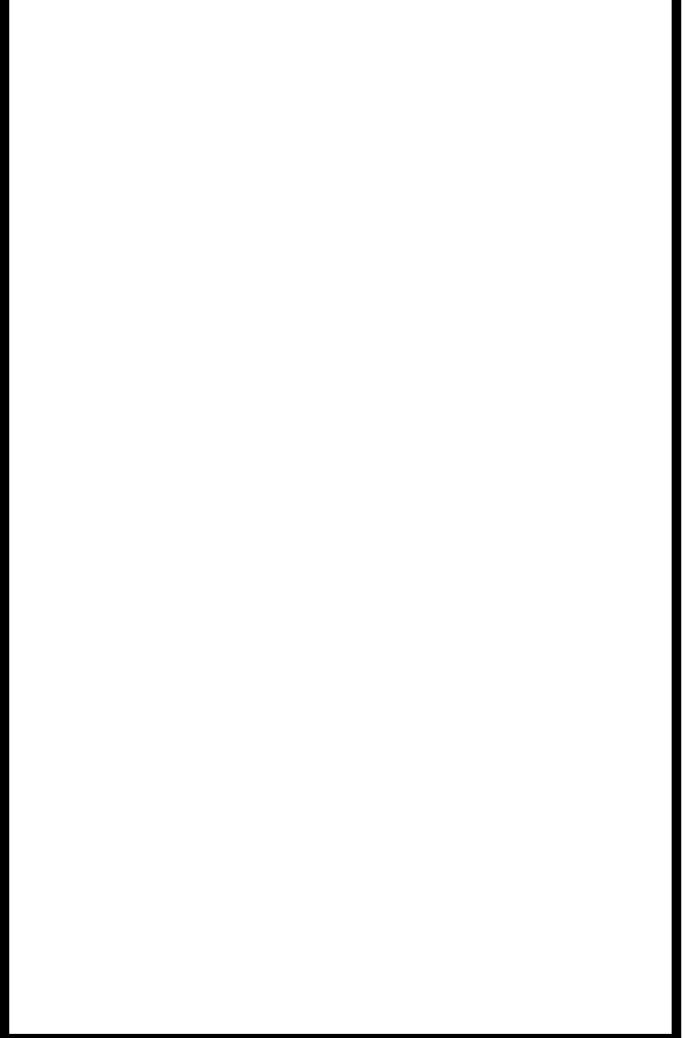
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| 3 | NEW PASS THRU WINDOW. VERIFY IN FIELD DIMENSIONS EXISTING MARBLE PANEL TO FIT NEW WINDOW. |
| 4 | ALIGN NEW WALL WITH EXISTING WALL |
| 5 | ALIGN DOORS. |
| 6 | EXISTING BLEACHERS TO REMAIN. |
| 7 | 097200 - PROVIDE FILM ON EXISTING WINDOW. |
| 8 | 101400 - DIMENSIONAL CHARACTER SIGNAGE - COORD. MOUNTING LOCATION WITH ARCHITECT IN FIELD |
| 9 | ALIGN WALL WITH BULKHEAD ABOVE V.I.F. |
| 10 | 118623 - PROVIDE WALL PADS ACROSS DOOR PANELS |
| 11 | 118623 GYMNASIUM WALL PADS - CENTERED ON BASKETBALL COURT. |
| 12 | 096468.99 - FLOOR TO BE SANDED AND RECOATED |
| 13 | 102123 - CUBICLE CURTAIN AND TRACK |
| 14 | INFILL OPENING WITH WALL TO MATCH SURROUNDING ADJACENT WALL CONSTRUCTION. VERIFY EXISTING WALL CONDITIONS/CONSTRUCTION AND DIMENSIONS IN THE FIELD. ALIGN THE FACE OF THE NEW INFILL WALL WITH THE ADJACENT EXISTING WALL FACE. TOOTH NEW MASONRY INTO EXISTING. |
| 15 | REMOVE VINYL ENTRY NUMBER SIGNAGE FROM GLASS AND PROVIDE NEW SIGNAGE INDICATING "20" |
| 16 | REMOVE VINYL ENTRY NUMBER SIGNAGE FROM GLASS AND PROVIDE NEW SIGNAGE INDICATING "21" |
| 17 | PROVIDE NEW VINYL ENTRY NUMBER SIGNAGE INDICATING "22" |
| 18 | 055000 - PROVIDE SMOOTH SURFACE FLOOR ALUMINUM SADDLE PLATE OVER FLOORING TRANSITION SIMILAR TO BALCO GROUND FLOOR EXPANSION JOINT COVER. |



Project No. 2019-067.WSC
 Project Date 07.31.2024
 Produced SS TM

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| # | Revision | Date |
|----|-------------|------------|
| A1 | ADDENDUM #1 | 08.22.2024 |



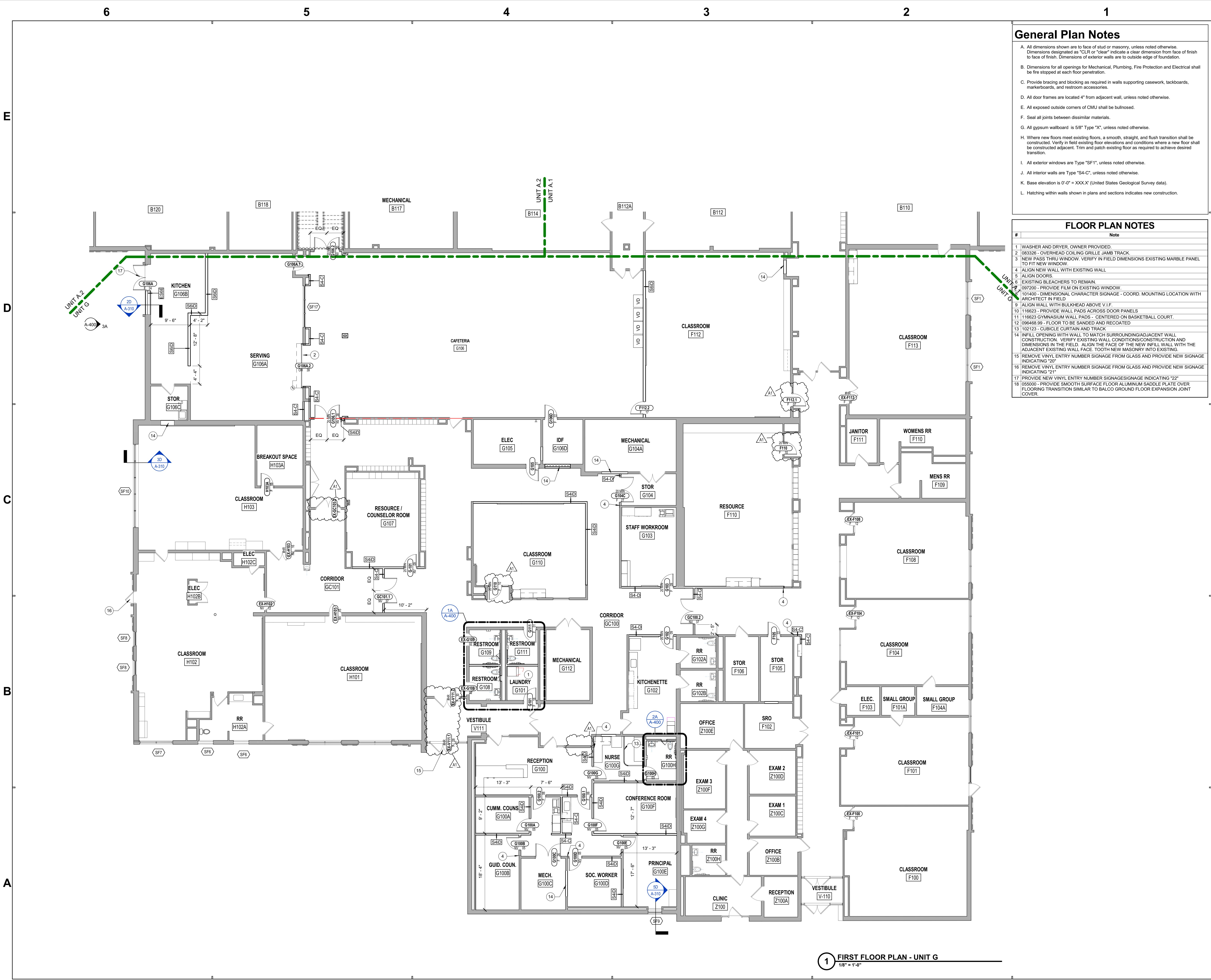
FIRST FLOOR PLAN - UNIT F1

AF1F1

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

6 5 4 3 2 1

ARCHITECT: SCHMIDT ASSOCIATES, INC.
 PROJECT: M.S.D. OF WASHINGTON TOWNSHIP SERVICES CENTER RENOVATION - PHASE 6B
 DRAWING: FIRST FLOOR PLAN - UNIT F1
 DATE: 08.22.2024
 SCALE: 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 "SF1", unless noted otherwise.
- J. All interior walls are Type "S4-C", 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

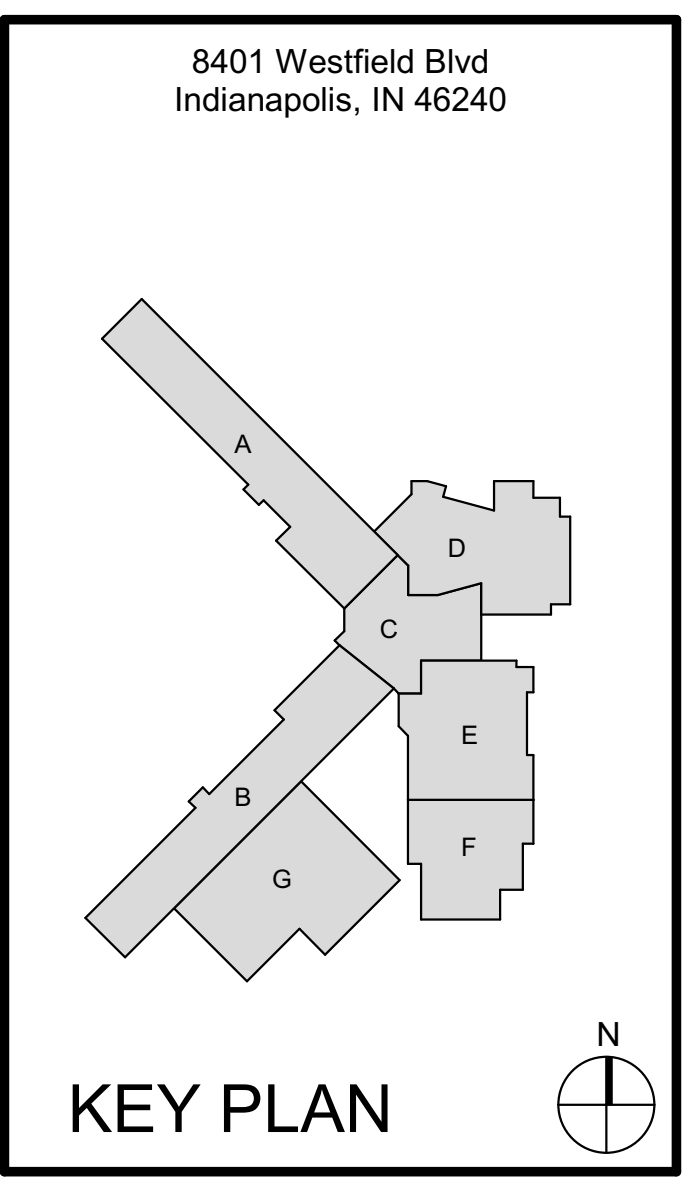
| # | Note |
|----|--|
| 1 | WASHER AND DRYER, OWNER PROVIDED. |
| 2 | 083326 - OVERHEAD COILING GRILLE JAMB TRACK. |
| 3 | NEW PASS THRU WINDOW. VERIFY IN FIELD DIMENSIONS EXISTING MARBLE PANEL TO FIT NEW WINDOW. |
| 4 | ALIGN NEW WALL WITH EXISTING WALL |
| 5 | ALIGN DOORS. |
| 6 | EXISTING BLEACHERS TO REMAIN. |
| 7 | 097200 - PROVIDE FILM ON EXISTING WINDOW. |
| 8 | 101400 - DIMENSIONAL CHARACTER SIGNAGE - COORD. MOUNTING LOCATION WITH ARCHITECT IN FIELD |
| 9 | ALIGN WALL WITH BULKHEAD ABOVE V.I.F. |
| 10 | 118623 - PROVIDE WALL PADS ACROSS DOOR PANELS |
| 11 | 118623 GYMNASIUM WALL PADS - CENTERED ON BASKETBALL COURT. |
| 12 | 096468 99 - FLOOR TO BE SANDED AND RECOATED |
| 13 | 102123 - CUBICLE CURTAIN AND TRACK |
| 14 | INFILL OPENING WITH WALL TO MATCH SURROUNDING ADJACENT WALL CONSTRUCTION. VERIFY EXISTING WALL CONDITIONS CONSTRUCTION AND DIMENSIONS IN THE FIELD. ALIGN THE FACE OF THE NEW INFILL WALL WITH THE ADJACENT EXISTING WALL FACE. TOOTH NEW MASONRY INTO EXISTING. |
| 15 | REMOVE VINYL ENTRY NUMBER SIGNAGE FROM GLASS AND PROVIDE NEW SIGNAGE INDICATING "20" |
| 16 | REMOVE VINYL ENTRY NUMBER SIGNAGE FROM GLASS AND PROVIDE NEW SIGNAGE INDICATING "21" |
| 17 | PROVIDE NEW VINYL ENTRY NUMBER SIGNAGE INDICATING "22" |
| 18 | 055000 - PROVIDE SMOOTH SURFACE FLOOR ALUMINUM SADDLE PLATE OVER FLOORING TRANSITION SIMILAR TO BALCO GROUND FLOOR EXPANSION JOINT COVER. |



| | |
|--------------|--------------|
| Project No. | 2019-067.WSC |
| Project Date | 07.31.2024 |
| Produced | SS TM |

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| # | Revision | Date |
|----|-------------|------------|
| A1 | ADDENDUM #1 | 08.22.2024 |



M.S.D. of Washington Township

WASHINGTON TOWNSHIP SCHOOLS

SERVICES CENTER RENOVATION - PHASE 6B

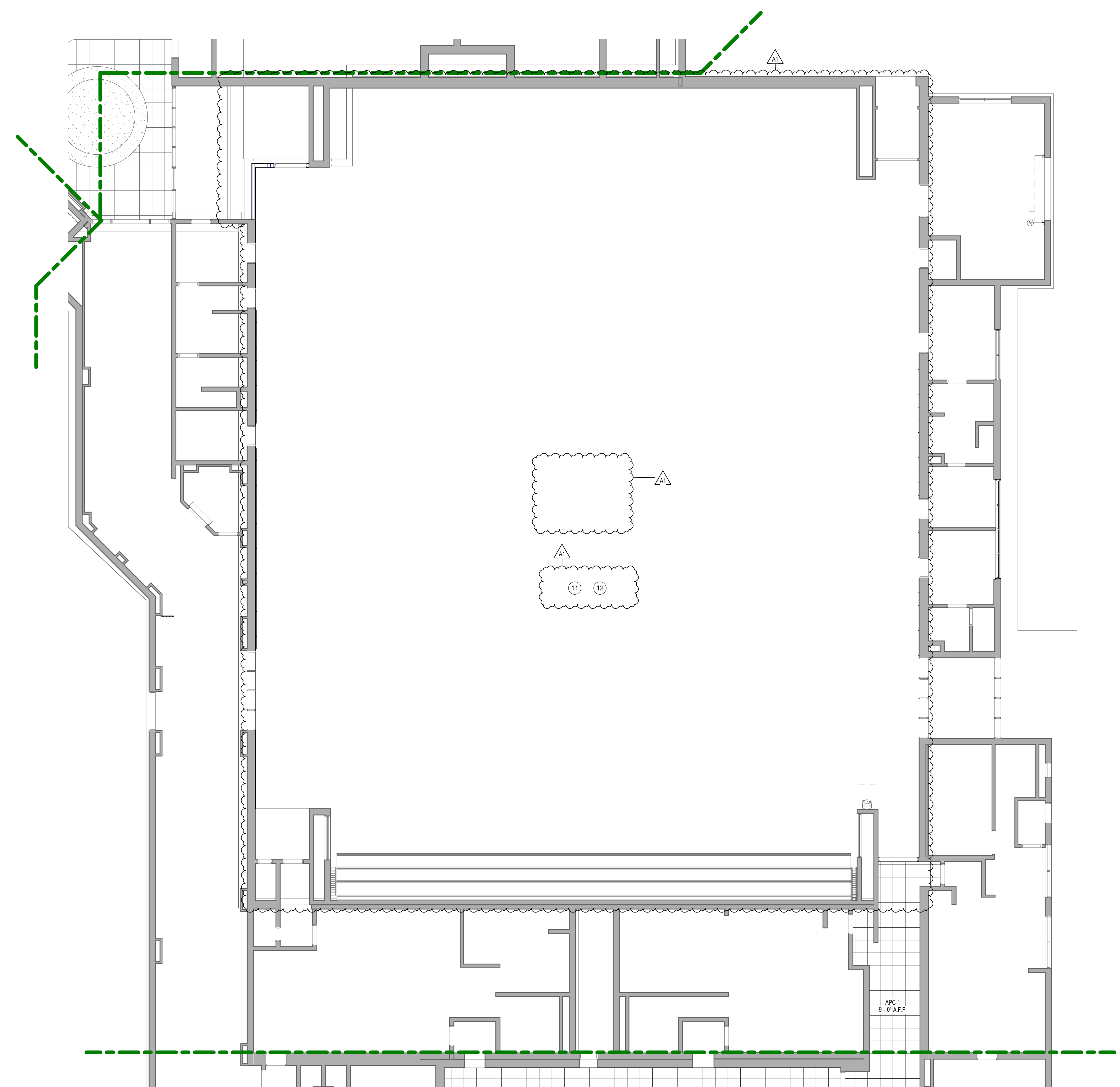
FIRST FLOOR PLAN - UNIT G
AF1G1

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

DATE: 08/22/2024
DRAWN BY: J. S. SCHMIDT
CHECKED BY: J. S. SCHMIDT
SCALE: 1/8" = 1'-0"

6 5 4 3 2 1

E
D
C
B
A



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 NOT USED 2' X 2' Humidity Resistant Acoustical Panel Ceiling with Aluminum Grid (09 51 13) | | Supply Air (Reference M-Series Dwgs) | |
| APC-4 NOT USED 2' X 2' Humidity Resistant Acoustical Panel Ceiling (09 51 13) | | Exit Light (Reference E-Series Dwgs) | |
| APC-5 Linear Metal Ceiling (09 54 23) | | Recessed Light Fixture Suspended Fixture in Areas with Exposed Ceilings (Reference E-Series Dwgs) | |
| APC-6 2' X 4' Acoustical Panel Ceiling (09 51 13) | | SOUND SYSTEM SPEAKER (REFERENCE E-SERIES/T-SERIES DWGS) | |
| APC-7 2' X 2' Acoustical Panel Ceiling (09 51 13) | | Walls to Deck | |
| APC-8 Acoustical Panel Ceiling (09 51 13) | | | |

REFLECTED CEILING PLAN NOTES

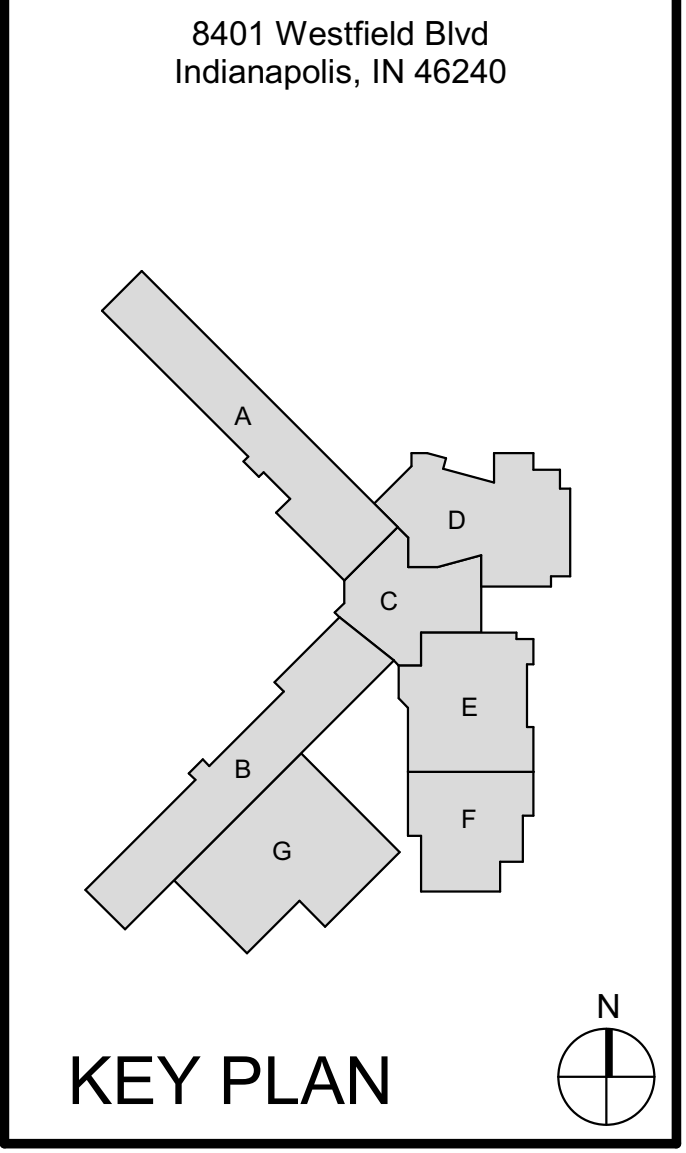
| # | NOTE |
|----|---|
| 1 | EXISTING CEILING TO REMAIN. |
| 2 | EXISTING BULKHEAD TO REMAIN. |
| 3 | EXISTING CEILING TO REMAIN WITH SOME PATCHES. |
| 4 | 09 53 00 - 4" CEILING EDGE TRIM - TYP AT ALL SIDES OF CLOUDS. COLOR SELECTED BY ARCHITECT. |
| 5 | EXISTING GRID TO REMAIN WITH NEW SCRUBBABLE TILE. |
| 6 | EXISTING CEILING GRID TO REMAIN. INSTALL NEW LAY-IN CEILING PANELS WITHIN EXISTING GRID. |
| 7 | EXISTING CEILING GRID TO REMAIN AND RECEIVE PAINT 09 91 23.99. INSTALL NEW LAY-IN CEILING PANELS WITHIN EXISTING GRID. |
| 8 | 09 91 23.99 - PAINT ALL SIDES OF BULKHEAD P-4 (RED ACCENT). |
| 9 | 09 91 23.99 - PAINT ALL SIDES OF BULKHEAD P-2 (MEDIUM NEUTRAL). |
| 10 | 09 91 23.99 - PAINT EXPOSED ROOF DECK, EXPOSED STRUCTURE, DUCTWORK, AND ACCESSORIES, P1, PRIOR TO APPLYING NEW COATING, PREP EXISTING SURFACES TO RECEIVE NEW FINISH. |
| 11 | 098300 99 - SPRAY APPLIED ACOUSTIC FINISH ON EXPOSED ROOF DECK. |
| 12 | 099123.99 - DRY FALL PAINT EXISTING STRUCTURE AND DUCTWORK. |



Project No. 2019-067.WSC
 Project Date 07.31.2024
 Produced SS TM

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| # | Revision | Date |
|----|-------------|------------|
| A1 | ADDENDUM #1 | 08.22.2024 |



M.S.D. of Washington Township

WASHINGTON TOWNSHIP SCHOOLS

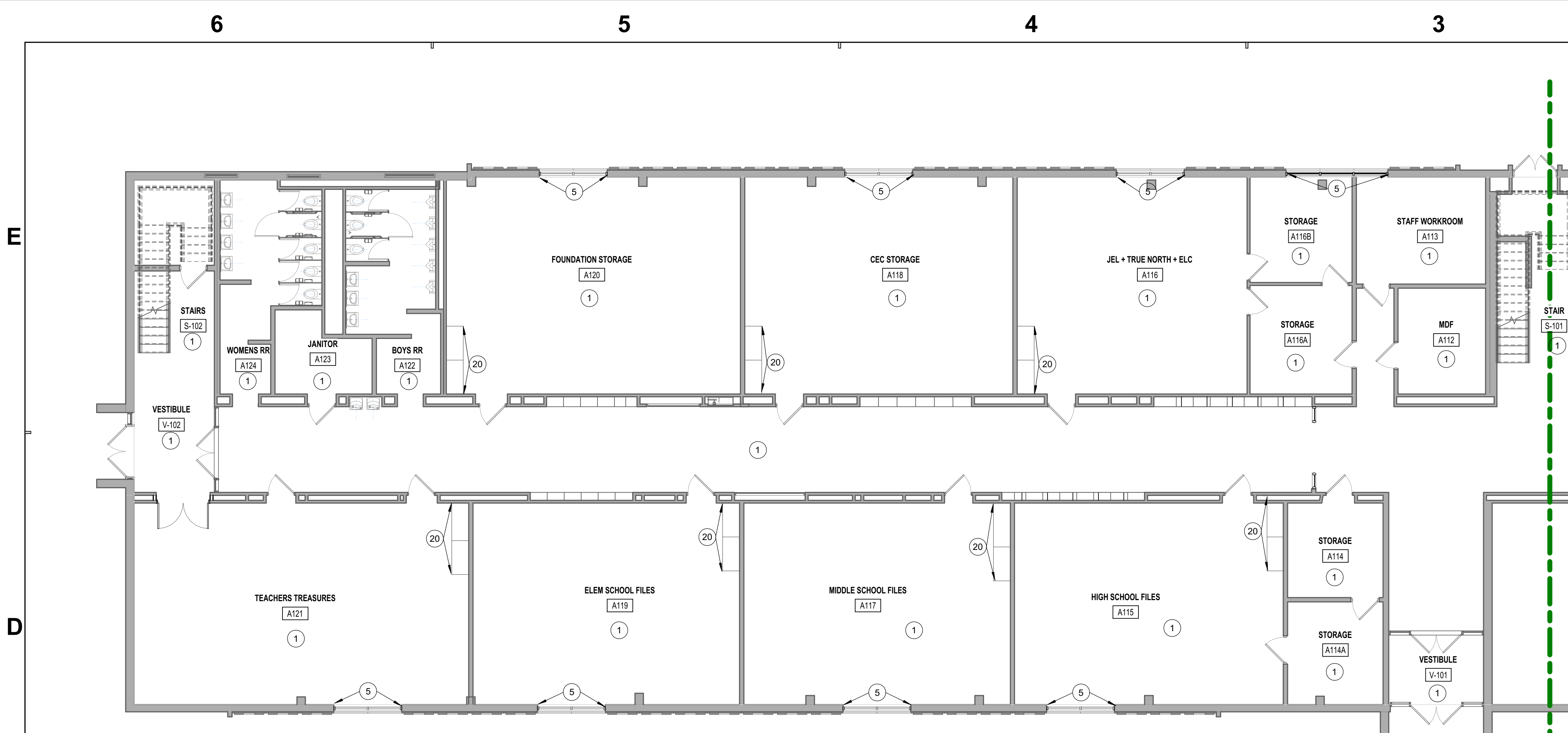
SERVICES CENTER RENOVATION - PHASE 6B

FIRST FLOOR REFLECTED CEILING PLAN - UNIT E1
 AC1E1

1 FIRST FLOOR REFLECTED CEILING PLAN - UNIT E
 1/8" = 1'-0"

6 5 4 3 2 1

DATE: 08/22/2024 10:48:00 AM
 DRAWING TITLE: FIRST FLOOR REFLECTED CEILING PLAN - UNIT E1
 PROJECT: SERVICES CENTER RENOVATION - PHASE 6B
 SHEET: AC1E1
 SCALE: 1/8" = 1'-0"



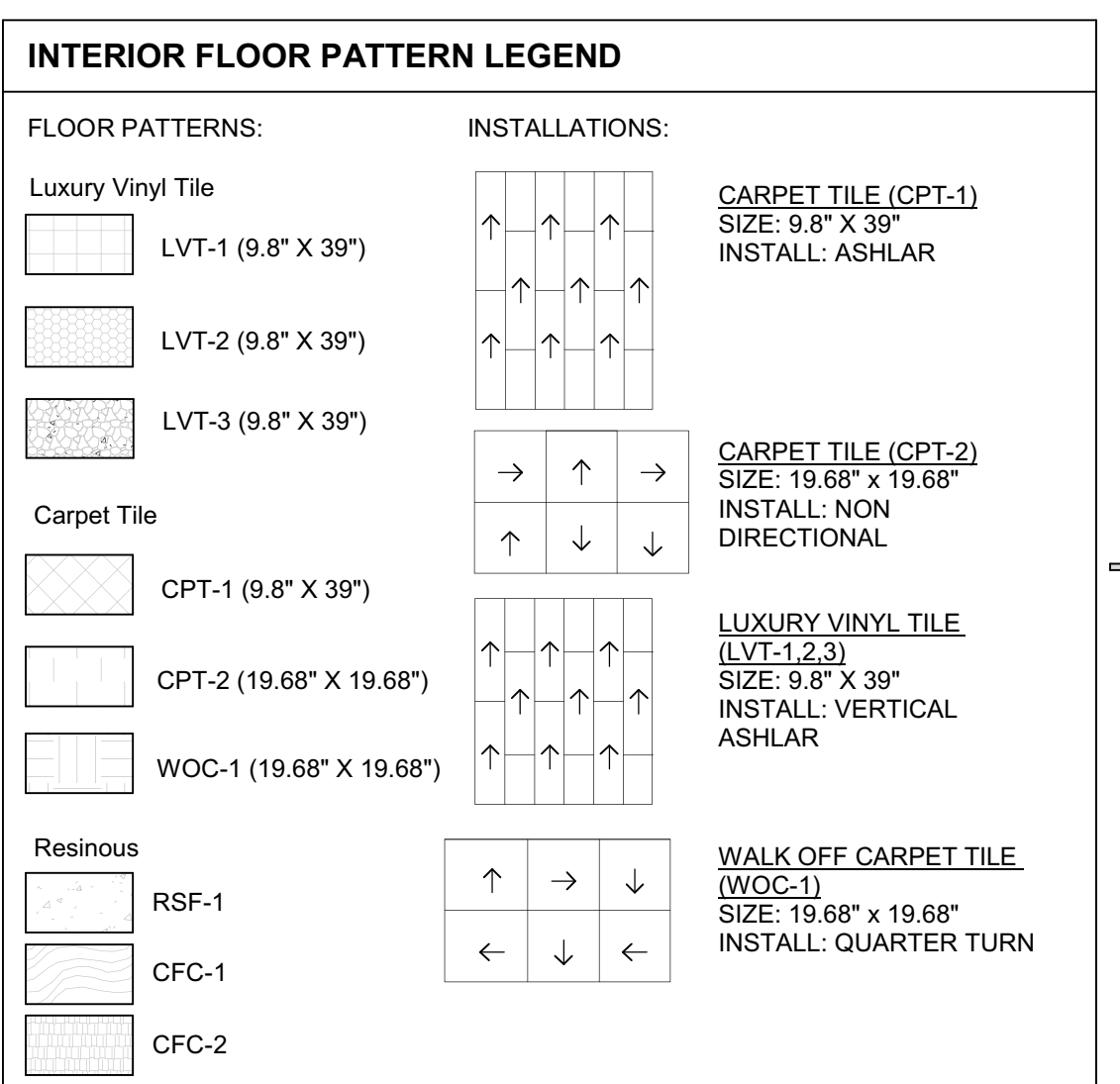
3C FIRST FLOOR INTERIOR PLAN - UNIT A.2
1/8" = 1'-0"

- ### INTERIOR PLAN NOTES
- | # | Note |
|-----|--|
| 1 | NO NEW WORK. |
| 2.1 | 10 26 00 - PROVIDE SURFACE MOUNTED CORNER GUARD (CG-1). REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION. |
| 2.2 | 10 26 00 - PROVIDE SURFACE MOUNTED CORNER GUARD (CG-2). REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION. |
| 3 | CABINETRY & COUNTER FINISHES PROVIDED BY FOOD SERVICE. |
| 12 | 12 24 00 - PROVIDE MANUAL ROLLER SHADES. VERIFY DIMENSIONS IN FIELD PRIOR TO ORDERING AND INSTALL. |
| 6 | NOT USED |
| 7 | REF. DETAIL ON SHEET I-401/6A FOR ALIGNMENT OF ACCENT FLOORING PATTERN. SPECIFIC LINE INDICATED BY LEADER(S) SHOULD ALIGN TO BULKHEAD ABOVE. |
| 8 | 09 06 23 99 - PAINT BULKHEAD IN ITS ENTIRETY. TO BE PAINTED P-2. TO BE TERMINATED WHERE SPECIFICALLY INDICATED BY LEADER(S). |
| 9 | 09 06 23 99 - PAINT BULKHEAD IN ITS ENTIRETY. TO BE PAINTED P-2. TO BE TERMINATED WHERE SPECIFICALLY INDICATED BY LEADER(S). |
| 10 | 09 06 23 99 - PAINT BULKHEAD IN ITS ENTIRETY. TO BE PAINTED P-2. TO BE TERMINATED WHERE SPECIFICALLY INDICATED BY LEADER(S). |
| 11 | 09 06 23 99 - PAINT BULKHEAD IN ITS ENTIRETY. TO BE PAINTED P-2. TO BE TERMINATED WHERE SPECIFICALLY INDICATED BY LEADER(S). |
| 12 | 09 64 68 99 - PROVIDE TWO COATS WATER BASED SEALER OVER THE ENTIRE WOOD FLOOR AND EXISTING COURT MARKINGS. EXISTING BLEACHERS TO REMAIN. COATING NOT REQUIRED UNDER BLEACHERS. |
| 13 | 09 06 00 99 - ACCENT STRIPES ON WALL TO BE REPAINTED WITH HIGH PERFORMANCE PAINT. SEE TYPICAL ELEVATION SHEET 5A1-202. |
| 14 | 09 30 00 - REF. ELEVATIONS I-202/3A/2E/3B/2D FOR OPERATION OFFICE RR WALL TREATMENT. |
| 15 | 09 72 00 - REF. ELEVATIONS I-202/3D/3C/4A/3E FOR TRUE NORTH GENDER NEUTRAL RESTROOM WALL TREATMENT. |
| 16 | 09 64 68 99 - PROTECT EXISTING BLEACHERS TO REMAIN DURING SANDING AND REFINISHING OF EXISTING WOOD FLOOR. |
| 17 | EXISTING RACQUETBALL WALL TO REMAIN. NOW NEW FINISH. |
| 18 | 09 72 00 - WALL TO RECEIVE VINYL WALLCOVERING (WVC-2) IN ITS ENTIRETY. TO TERMINATE WHERE SPECIFICALLY INDICATED BY LEADER(S). |
| 19 | REF. DETAIL ON SHEET I-301/9A FOR TRANSITION OF EXISTING TERRAZZO TO LUXURY VINYL TILE. |
| 20 | EXISTING CASEWORK TO REMAIN. |
| 21 | 09 91 23 99 - PAINT FULL HEIGHT OF ENTIRE WALL. TO BE PAINTED P-2. TO BE TERMINATED WHERE SPECIFICALLY INDICATED BY LEADER(S). |
| 22 | 09 91 23 99 - PAINT FULL HEIGHT OF ENTIRE WALL. TO BE PAINTED P-3. TO BE TERMINATED WHERE SPECIFICALLY INDICATED BY LEADER(S). |
| 23 | 09 91 23 99 - PAINT FULL HEIGHT OF ENTIRE WALL. TO BE PAINTED P-4. TO BE TERMINATED WHERE SPECIFICALLY INDICATED BY LEADER(S). |
| 24 | 10 21 23 - PROVIDE CUBICLE CURTAIN & TRACK. SEE SPECIFICATION. |
| 25 | PAINT IS EXISTING TO REMAIN AS TO EXTENTS SHOWN. |
| 26 | DO NOT PAINT EXISTING COLUMN WRAPS. |
| 27 | ENTIRE WALL TO BE PAINTED AND RECEIVE NEW VINYL WALL BASE. |
| 28 | 09 72 00 - WINDOW FILM TO BE PROVIDED ON DOOR SYSTEM AND WINDOWS. REF. ELEVATION I-202/6D. |
| 29 | WALL TO RECEIVE CHAIR RAIL. CHAIR RAIL TO MATCH EXISTING CHAIR RAIL PROFILE, WOOD SPECIES, AND STAIN. |
| 30 | MOVE EXISTING BUILDING PLAQUE TO NEW LOCATION. A NEW BUILDING PLAQUE, 24" X 36" TO BE PLACED IN ITS SPOT. |
| 31 | REF. DETAIL ON SHEET I-301/00 FOR END STATE OF THE WALL AFTER REMOVAL OF IMPACT WALL PANEL AND WVC. |
| 32 | EXISTING ICE MACHINE. |

- ### Interior General Notes
- Reference A-001 for general plan notes. All notes may not apply to this sheet.
- A. FINISHES PRIOR TO START & FINAL COMPLETION OF WORK**
- Where existing finishes are to remain outside scope of work, patch & repair any area damaged or affected by renovation, to return to like new condition, matching adjacent finishes. This includes, but is not limited to doors & associated hardware, door frames, wall finishes, wall base, floor finish including floor transitions & thresholds, etc. It is the responsibility of the Contractor to verify conditions in field prior to start & completion of work.
- B. Interior Painting/Wallcovering**
- Existing wall conditions that were not specifically noted to be patched and repaired, but are designated to receive new finishes, are to be repaired prior to new finishes being applied. It is the Contractor's responsibility to confirm conditions in field prior to start of work.
 - Walls are to be prepped removing any existing wallcovering & residue, holes patched, and surface smoothed prior to new paint or wallcovering being installed.
 - Resilient Wall Base over gyp. - Prior to removal of existing resilient wall base, score wall above top of base to minimize damage to drywall.
- C. Reference Architectural ceilings plans for ceiling heights and bulkhead color designations.** Paint all bulkheads HP-1 or P-1 unless specifically noted otherwise. Bulkheads that are flush with walls provide color to match adjacent wall color.
- D. Paint interior hollow metal door frames HP-3.**
- E. Paint all exposed conduit, piping, and associated assemblies to match adjacent paint finish.** Applies to all new & existing to remain in areas of renovation or new construction.
- F. Paint general walls HP-1 or P-1 (Neutral) unless specifically noted otherwise.**
- G. Existing Structural Glazed Block shall not be painted.**
- H. Exposed & existing brick, stone, and handrails shall not be painted unless specifically noted otherwise.**
- I. Wall Base**
- Do not install resilient wall base on interior brick unless specifically noted otherwise. Provide caulk joint at floor level.
 - Provide resilient wall base around all casework unless specifically noted otherwise.
- J. Where floor finish transitions between rooms, align transition centered with threshold of door unless noted otherwise.**
- Resinous floor to receive metal schuler trim at floor transition. Refer to spec.
 - LVT to carpet does not require transition strip, products will abut at same height.
- K. Loose furnishings are not provided in this contract. Layouts and final design will be determined by Owner.**

VISUAL DISPLAY SCHEDULE

| MARK | DESCRIPTION | WIDTH | HEIGHT | COMMENTS |
|------|--------------|--------|--------|----------------|
| 4TB | TACK BOARD | 4'-0" | 4'-0" | <varies> |
| 6MB | MARKER BOARD | 6'-0" | 4'-0" | SPEC. 10 11 00 |
| 6TB | TACK BOARD | 6'-0" | 4'-0" | SPEC. 10 11 00 |
| 8MB | MARKER BOARD | 8'-0" | 4'-0" | SPEC. 10 11 00 |
| 8MP | MARKER PANEL | 8'-0" | 8'-0" | SPEC. 10 11 00 |
| 10MB | MARKER BOARD | 10'-0" | 4'-0" | SPEC. 10 11 00 |
| 16MB | MARKER BOARD | 16'-0" | 4'-0" | SPEC. 10 11 00 |



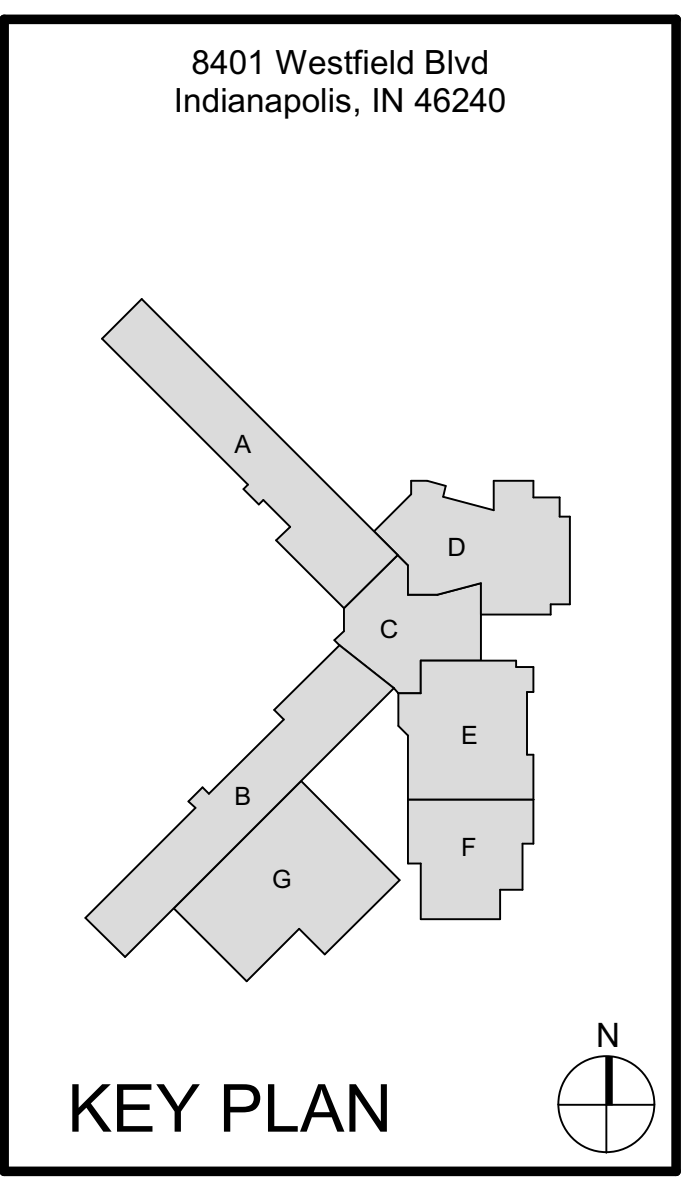
1A FIRST FLOOR INTERIOR PLAN - UNIT A.1
1/8" = 1'-0"



Project No. 2019-067.WSC
Project Date 07.31.2024
Produced LCB

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| # | Revision | Date |
|----|-------------|------------|
| A1 | ADDENDUM #1 | 08.22.2024 |



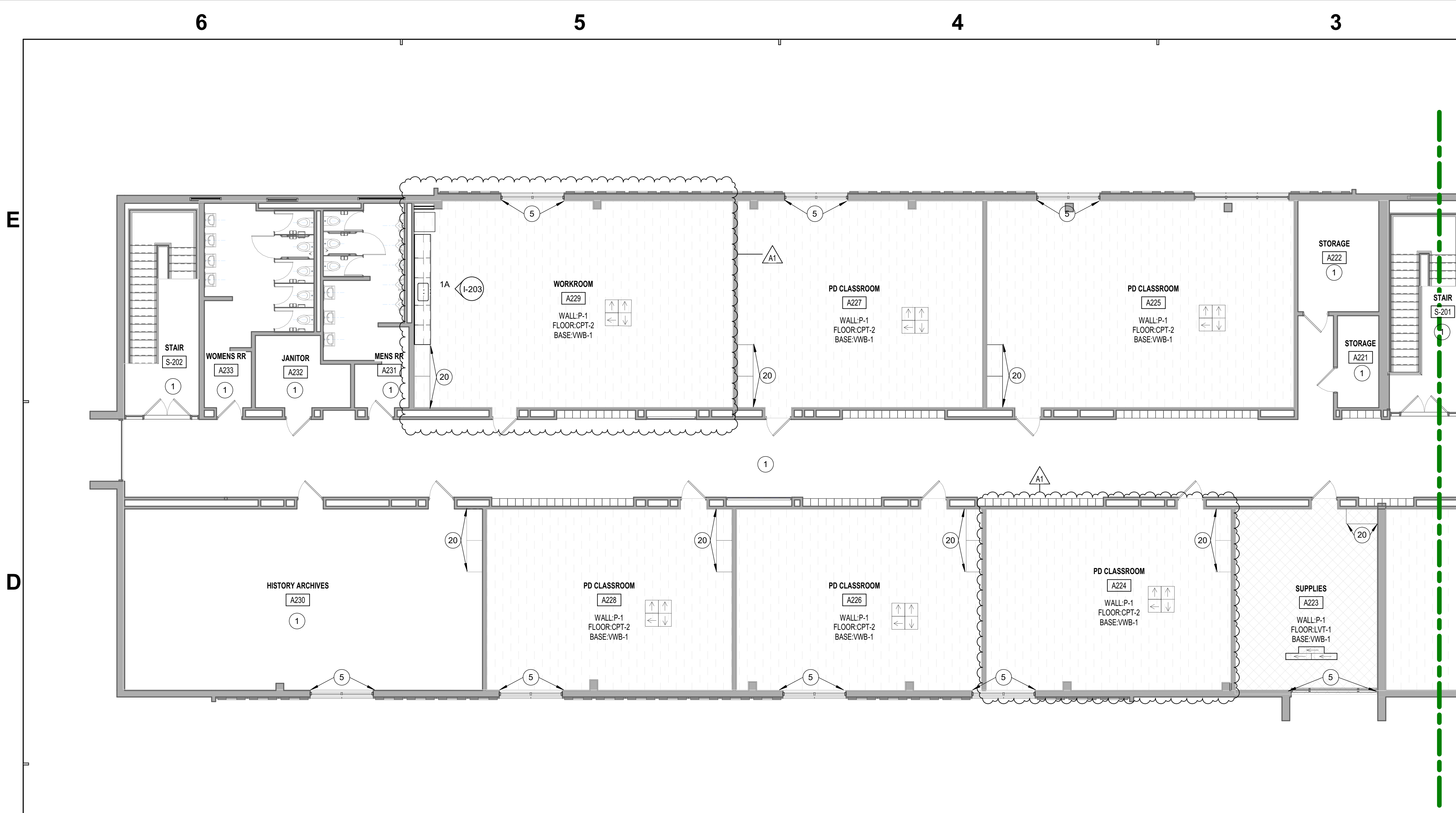
M.S.D. of Washington Township

SERVICES CENTER RENOVATION - PHASE 6B

FIRST INTERIOR FLOOR PLAN - UNIT A

IN1A1

ARCH: 2023 08 28 10:00 AM
 PROJECT: 2019-067.WSC
 SHEET: IN1A1
 DATE: 08/28/2024
 TIME: 10:00 AM
 USER: schmidt-arch.com



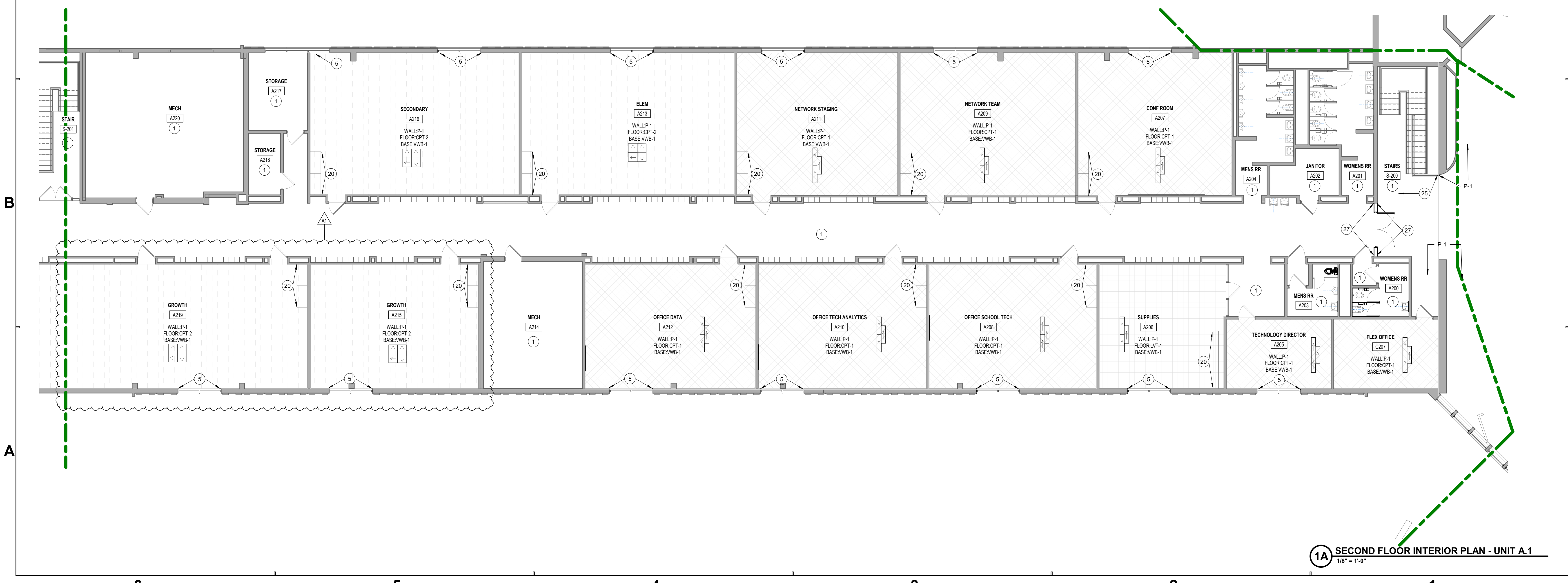
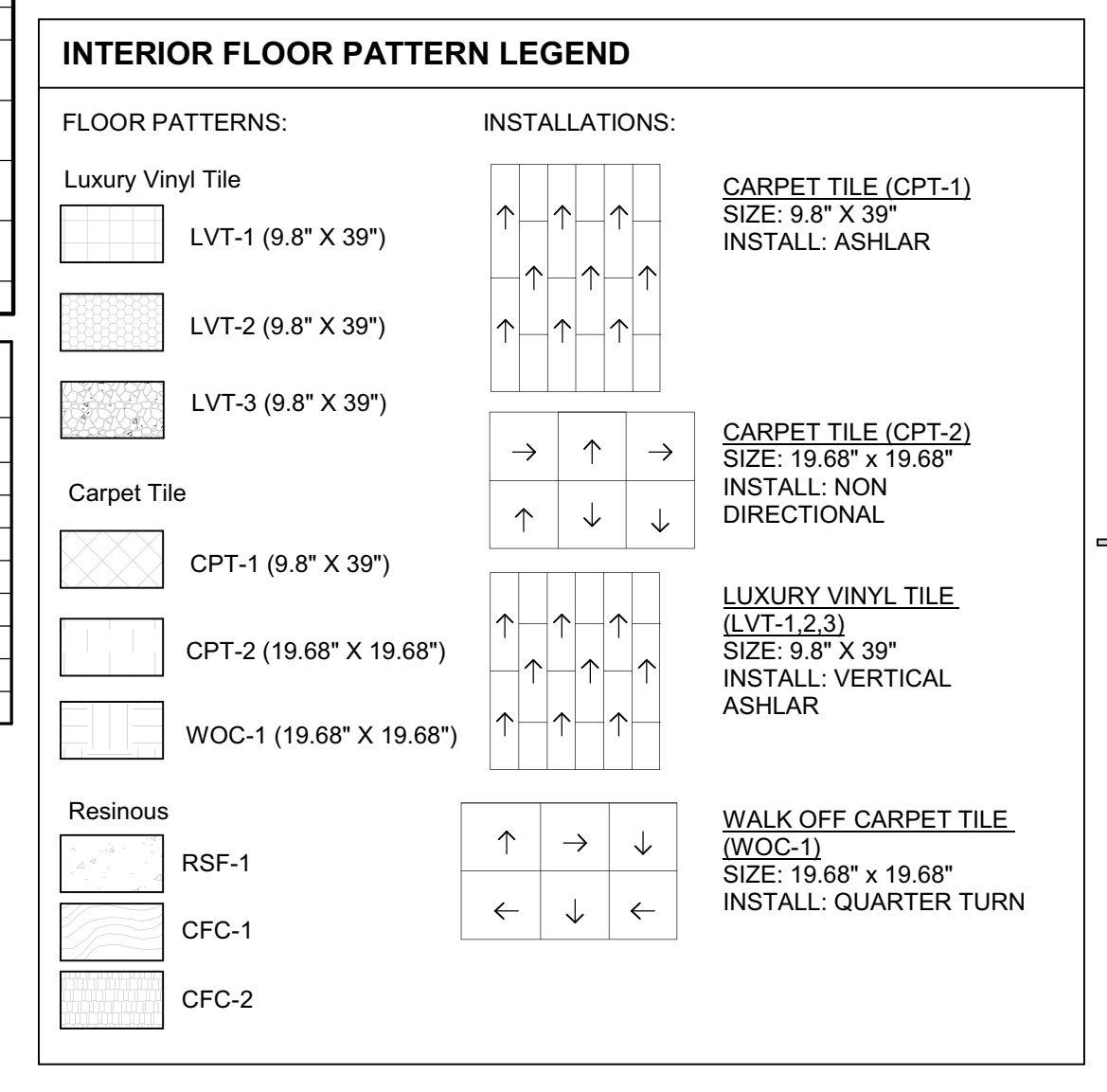
3C SECOND FLOOR INTERIOR PLAN - UNIT A.2
1/8" = 1'-0"

- ### INTERIOR PLAN NOTES
- | # | Note |
|-----|--|
| 1 | NO NEW WORK. |
| 2.1 | 10 26 00 - PROVIDE SURFACE MOUNTED CORNER GUARD (CG-1). REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION. |
| 2.2 | 10 26 00 - PROVIDE SURFACE MOUNTED CORNER GUARD, (CG-2). REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION. |
| 3 | CABINETRY & COUNTER FINISHES PROVIDED BY FOOD SERVICE. |
| 5 | 12 24 02 - PROVIDE MANUAL ROLLER SHADES. VERIFY DIMENSIONS IN FIELD PRIOR TO ORDERING AND INSTALL. |
| 6 | NOT USED |
| 7 | REF. DETAIL ON SHEET I-401/6A FOR ALIGNMENT OF ACCENT FLOORING PATTERN. SPECIFIC LINE INDICATED BY LEADER(S) SHOULD ALIGN TO BULKHEAD ABOVE. |
| 8 | 09 06 23 99 - PAINT BULKHEAD IN ITS ENTIRETY. TO BE PAINTED P-2. TO BE TERMINATED WHERE SPECIFICALLY INDICATED BY LEADER(S). |
| 9 | 09 06 23 99 - PROVIDE TWO COATS WATER BASED SEALER OVER THE ENTIRE WOOD FLOOR AND EXISTING COURT MARKINGS. EXISTING BLEACHERS TO REMAIN. COATING NOT REQUIRED UNDER BLEACHERS. |
| 10 | 09 06 23 99 - ACCENT STRIPES ON WALL TO BE REPAINTED WITH HIGH PERFORMANCE PAINT. SEE TYPICAL ELEVATION SHEET 5A1-202. |
| 11 | 09 30 00 - REF. ELEVATIONS I-202/3A/2E/3B/2D FOR OPERATION OFFICE RR WALL TREATMENT. |
| 12 | 09 72 00 - REF. ELEVATIONS I-202/3D/3C/4A/3E FOR TRUE NORTH GENDER NEUTRAL RESTROOM WALL TREATMENT. |
| 13 | 09 64 88 99 - PROTECT EXISTING BLEACHERS TO REMAIN DURING SANDING AND REFINISHING OF EXISTING WOOD FLOOR. |
| 14 | EXISTING RACQUETBALL WALL TO REMAIN. NOW NEW FINISH. |
| 15 | 09 72 00 - WALL TO RECEIVE VINYL WALLCOVERING (WVC-2) IN ITS ENTIRETY. TO TERMINATE WHERE SPECIFICALLY INDICATED BY LEADER(S). |
| 16 | 09 91 23 99 - PAINT FULL HEIGHT OF ENTIRE WALL. TO BE PAINTED P-2. TO BE TERMINATED WHERE SPECIFICALLY INDICATED BY LEADER(S). |
| 17 | 09 91 23 99 - PAINT FULL HEIGHT OF ENTIRE WALL. TO BE PAINTED P-3. TO BE TERMINATED WHERE SPECIFICALLY INDICATED BY LEADER(S). |
| 18 | 09 91 23 99 - PAINT FULL HEIGHT OF ENTIRE WALL. TO BE PAINTED P-4. TO BE TERMINATED WHERE SPECIFICALLY INDICATED BY LEADER(S). |
| 19 | 10 21 23 - PROVIDE CUBICLE CURTAIN & TRACK. SEE SPECIFICATION. |
| 20 | PAINT IS EXISTING TO REMAIN AS TO EXTENTS SHOWN. |
| 21 | DO NOT PAINT EXISTING COLUMN WRAPS. |
| 22 | ENTIRE WALL TO BE PAINTED AND RECEIVE NEW VINYL WALL BASE. |
| 23 | 09 72 00 - WINDOW FILM TO BE PROVIDED ON DOOR SYSTEM AND WINDOWS. REF. ELEVATION I-202/6D |
| 24 | WALL TO RECEIVE CHAIR RAIL. CHAIR RAIL TO MATCH EXISTING CHAIR RAIL PROFILE, WOOD SPECIES, AND STAIN. |
| 25 | MOVE EXISTING BUILDING PLAQUE TO NEW LOCATION. A NEW BUILDING PLAQUE, 24" X 36" TO BE PLACED IN THIS SPOT. |
| 26 | REF. DETAIL ON SHEET I-301/30 FOR END STATE OF THE WALL AFTER REMOVAL OF IMPACT WALL PANEL AND WVC. |
| 27 | EXISTING ICE MACHINE. |

VISUAL DISPLAY SCHEDULE

| MARK | DESCRIPTION | WIDTH | HEIGHT | COMMENTS |
|------|--------------|--------|--------|----------------|
| 4TB | TACK BOARD | 4'-0" | 4'-0" | <varies> |
| 6MB | MARKER BOARD | 6'-0" | 4'-0" | SPEC. 10 11 00 |
| 6TB | TACK BOARD | 6'-0" | 4'-0" | SPEC. 10 11 00 |
| 8MB | MARKER BOARD | 8'-0" | 4'-0" | SPEC. 10 11 00 |
| 8MP | MARKER PANEL | 8'-0" | 8'-0" | SPEC. 10 11 00 |
| 10MB | MARKER BOARD | 10'-0" | 4'-0" | SPEC. 10 11 00 |
| 16MB | MARKER BOARD | 16'-0" | 4'-0" | SPEC. 10 11 00 |

- ### Interior General Notes
- Reference A-001 for general plan notes. All notes may not apply to this sheet.
- A. FINISHES PRIOR TO START & FINAL COMPLETION OF WORK**
- Where existing finishes are to remain outside scope of work, patch & repair any area damaged or affected by renovation, to return to like new condition, matching adjacent finishes. This includes, but is not limited to doors & associated hardware, door frames, wall finishes, wall base, floor finish including floor transitions & thresholds, etc. It is the responsibility of the Contractor to verify conditions in field prior to start & completion of work.
- B. Interior Painting/Wallcovering**
- Existing wall conditions that were not specifically noted to be patched and repaired, but are designated to receive new finishes, are to be repaired prior to new finishes being applied. It is the Contractor's responsibility to confirm conditions in field prior to start of work.
 - Walls are to be prepped removing any existing wallcovering & residue, holes patched, and surface smoothed prior to new paint or wallcovering being installed.
 - Resilient Wall Base over gyp. - Prior to removal of existing resilient wall base, score wall above top of base to minimize damage to drywall.
- C. Reference Architectural ceilings plans for ceiling heights and bulkhead color designations.** Paint all bulkheads HP-1 or P-1 unless specifically noted otherwise. Bulkheads that are flush with walls provide color to match adjacent wall color.
- D. Paint interior hollow metal door frames HP-3.**
- E. Paint all exposed conduit, piping, and associated assemblies to match adjacent paint finish.** Applies to all new & existing to remain in areas of renovation or new construction.
- F. Paint general walls HP-1 or P-1 (Neutral) unless specifically noted otherwise.**
- G. Existing Structural Glazed Block shall not be painted.**
- H. Exposed & existing brick, stone, and handrails shall not be painted unless specifically noted otherwise.**
- I. Wall Base**
- Do not install resilient wall base on interior brick unless specifically noted otherwise. Provide caulk joint at floor level.
 - Provide resilient wall base around all casework unless specifically noted otherwise.
- J. Where floor finish transitions between rooms, align transition centered with threshold of door unless noted otherwise.**
- Resinous floor to receive metal schuler trim at floor transition. Refer to spec.
 - LVT to carpet does not require transition strip, products will abut at same height.
- K. Loose furnishings are not provided in this contract. Layouts and final design will be determined by Owner.**



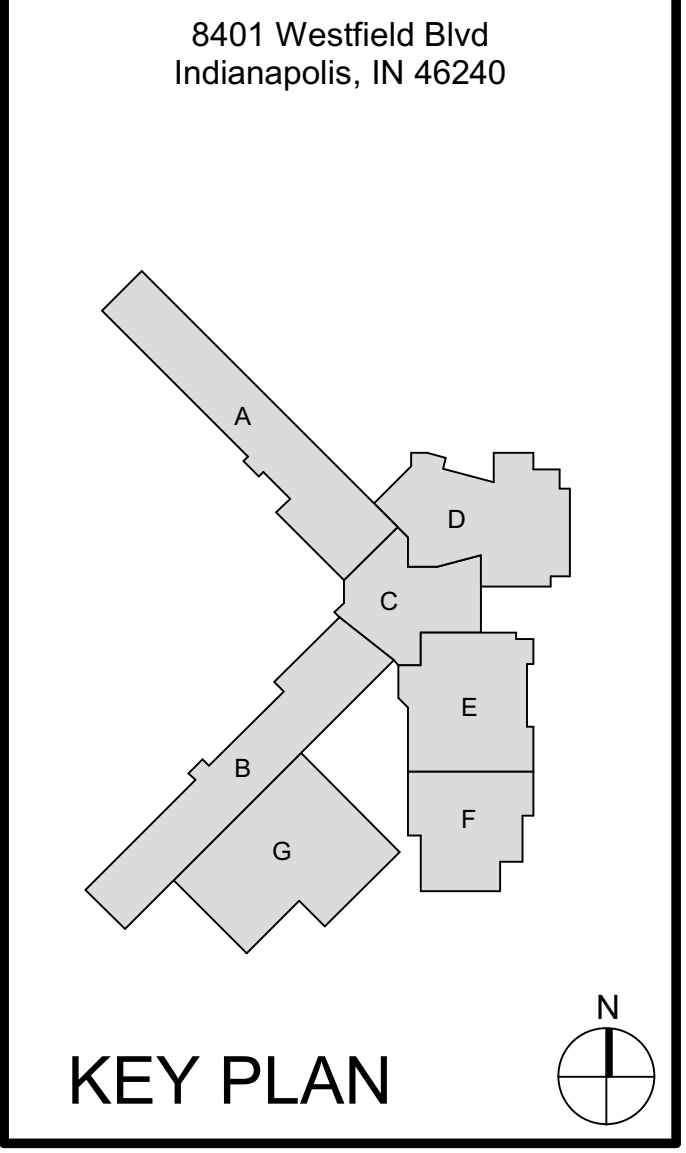
1A SECOND FLOOR INTERIOR PLAN - UNIT A.1
1/8" = 1'-0"



Project No. 2019-067.WSC
Project Date 07.31.2024
Produced LCB

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| # | Revision | Date |
|----|-------------|------------|
| A1 | ADDENDUM #1 | 08.22.2024 |



SERVICES CENTER RENOVATION - PHASE 6B

SECOND INTERIOR FLOOR PLAN - UNIT A

IN1A2

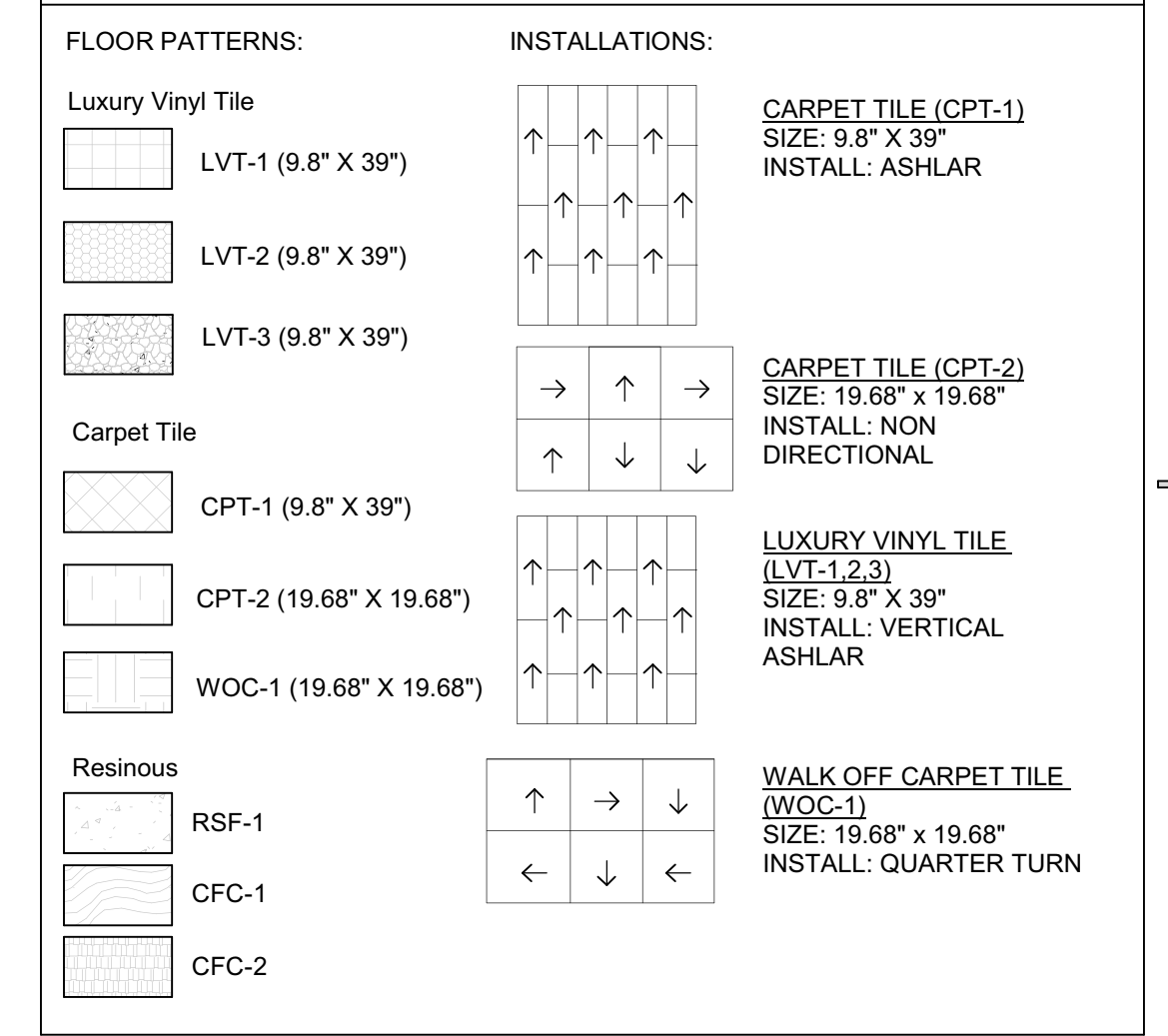
THIS DOCUMENT IS THE PROPERTY OF SCHMIDT ASSOCIATES. IT IS TO BE USED ONLY FOR THE PROJECT AND SITE SPECIFICALLY IDENTIFIED HEREIN. IT IS NOT TO BE REPRODUCED, COPIED, OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM. WITHOUT THE WRITTEN PERMISSION OF SCHMIDT ASSOCIATES.



Interior General Notes

- Reference A-001 for general plan notes. All notes may not apply to this sheet.
- A. FINISHES PRIOR TO START & FINAL COMPLETION OF WORK
 - Where existing finishes are to remain outside scope of work, patch & repair any area damaged or affected by renovation, to return to like new condition, matching adjacent finishes. This includes, but is not limited to doors & associated hardware, door frames, wall finishes, wall base, floor finish including floor transitions & thresholds, etc. It is the responsibility of the Contractor to verify conditions in field prior to start & completion of work.
 - B. Interior Painting/Wallcovering
 - Existing wall conditions that were not specifically noted to be patched and repaired, but are designated to receive new finishes, are to be repaired prior to new finishes being applied. It is the Contractor's responsibility to confirm conditions in field prior to start of work.
 - Walls are to be prepped removing any existing wallcovering & residue, holes patched, and surface smoothed prior to new paint or wallcovering being installed.
 - Resilient Wall Base over gyp. - Prior to removal of existing resilient wall base, score wall above top of base to minimize damage to drywall.
 - C. Reference Architectural ceilings plans for ceiling heights and bulkhead color designations. Paint all bulkheads HP-1 or P-1 unless specifically noted otherwise. Bulkheads that are flush with walls provide color to match adjacent wall color.
 - D. Paint interior hollow metal door frames HP-3.
 - E. Paint all exposed conduit, piping, and associated assemblies to match adjacent paint finish. Applies to all new & existing to remain in areas of renovation or new construction.
 - F. Paint general walls HP-1 or P-1 (Neutral) unless specifically noted otherwise.
 - G. Existing Structural Glazed Block shall not be painted.
 - H. Exposed & existing brick, stone, and handrails shall not be painted unless specifically noted otherwise.
 - I. Wall Base
 1. Do not install resilient wall base on interior brick unless specifically noted otherwise. Provide caulk joint at floor level.
 2. Provide resilient wall base around all casework unless specifically noted otherwise
 - J. Where floor finish transitions between rooms, align transition centered with threshold of door unless noted otherwise.
 1. Resinous floor to receive metal schuler trim at floor transition. Refer to spec.
 2. LVT to carpet does not require transition strip, products will abut at same height.
 - K. Loose furnishings are not provided in this contract. Layouts and final design will be determined by Owner.

INTERIOR FLOOR PATTERN LEGEND



INTERIOR PLAN NOTES

| # | Note |
|-----|---|
| 1 | NO NEW WORK. |
| 2.1 | 10 26 00 - PROVIDE SURFACE MOUNTED CORNER GUARD (CG-1). REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION. |
| 2.2 | 10 26 00 - PROVIDE SURFACE MOUNTED CORNER GUARD (CG-2). REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION. |
| 3 | CABINETRY & COUNTER FINISHES PROVIDED BY FOOD SERVICE. |
| 5 | 12 24 12 - PROVIDE MANUAL ROLLER SHADES. VERIFY DIMENSIONS IN FIELD PRIOR TO ORDERING AND INSTALL. |
| 6 | NOT USED |
| 7 | REF. DETAIL ON SHEET I-401/6A FOR ALIGNMENT OF ACCENT FLOORING PATTERN. SPECIFIC LINE INDICATED BY LEADER(S) SHOULD ALIGN TO BULKHEAD ABOVE. |
| 8 | 09 96 23 99 - PAINT BULKHEAD IN ITS ENTIRETY. TO BE PAINTED P-2. TO BE TERMINATED WHERE SPECIFICALLY INDICATED BY LEADER(S) |
| 9 | CORPORATION CLINIC - BASE BID; NO NEW WORK. ALTERNATE 3; FINISHES AS NOTED IN FINISH TAG. |
| 10 | NOT USED |
| 11 | 09 72 00 - WALL TO RECEIVE VINYL WALLCOVERING (WVC-1) IN ITS ENTIRETY. TO TERMINATE WHERE SPECIFICALLY INDICATED BY LEADER(S). |
| 12 | 09 64 68 99 - PROVIDE TWO COATS WATER BASED SEALER OVER THE ENTIRE WOOD CORNER AND EXISTING MARKINGS. EXISTING BLEACHERS TO REMAIN. COATING NOT REQUIRED UNDER BLEACHERS. |
| 13 | 09 96 00 99 - ACCENT STRIPES ON WALL TO BE REPAINTED WITH HIGH PERFORMANCE PAINT. SEE TYPICAL ELEVATION SHEET SAJ-202. |
| 14 | 09 30 00 - REF. ELEVATIONS I-202/3A/2E/8B/2D FOR OPERATION OFFICE RR WALL TREATMENT. |
| 15 | 09 72 00 - REF. ELEVATIONS I-202/3D/3C/4A/3E FOR TRUE NORTH GENDER NEUTRAL RESTROOM WALL TREATMENT. |
| 16 | 09 64 68 99 - PROTECT EXISTING BLEACHERS TO REMAIN DURING SANDING AND REFINISHING OF EXISTING WOOD FLOOR. |
| 17 | EXISTING RACQUETBALL WALL TO REMAIN. NOW NEW FINISH. |
| 18 | 09 72 00 - WALL TO RECEIVE VINYL WALLCOVERING (WVC-2) IN ITS ENTIRETY. TO TERMINATE WHERE SPECIFICALLY INDICATED BY LEADER(S). |
| 19 | REF. DETAIL ON SHEET I-301/3A FOR TRANSITION OF EXISTING TERRAZZO TO LUXURY VINYL TILE. |
| 20 | EXISTING CASEWORK TO REMAIN. |
| 21 | 09 91 23 99 - PAINT FULL HEIGHT OF ENTIRE WALL, TO BE PAINTED P-2. TO BE TERMINATED WHERE SPECIFICALLY INDICATED BY LEADER(S). |
| 22 | 09 91 23 99 - PAINT FULL HEIGHT OF ENTIRE WALL, TO BE PAINTED P-3. TO BE TERMINATED WHERE SPECIFICALLY INDICATED BY LEADER(S). |
| 23 | 09 91 23 99 - PAINT FULL HEIGHT OF ENTIRE WALL, TO BE PAINTED P-4. TO BE TERMINATED WHERE SPECIFICALLY INDICATED BY LEADER(S). |
| 24 | 10 21 23 - PROVIDE CURTAIN & TRACK SEE SPECIFICATION. |
| 25 | PAINT IS EXISTING TO REMAIN AS TO EXTENTS SHOWN. |
| 26 | DO NOT PAINT EXISTING COLUMN WRAPS. |
| 27 | ENTIRE WALL TO BE PAINTED AND RECEIVE NEW VINYL WALL BASE. |
| 28 | 09 72 00 - WINDOW FILM TO BE PROVIDED ON DOOR SYSTEM AND WINDOWS. REF. ELEVATION I-202/8D. |
| 29 | WALL TO RECEIVE CHAIR RAIL. CHAIR RAIL TO MATCH EXISTING CHAIR RAIL PROFILE, WOOD SPECIES, AND STAIN. |
| 30 | MOVE EXISTING BUILDING PLAQUE TO NEW LOCATION. A NEW BUILDING PLAQUE, 24" X 36" TO BE PLACED IN ITS SPOT. |
| 31 | REF. DETAIL ON SHEET I-301/3C FOR END STATE OF THE WALL AFTER REMOVAL OF IMPACT WALL PANEL AND WVC. |
| 32 | EXISTING ICE MACHINE. |

VISUAL DISPLAY SCHEDULE

| MARK | DESCRIPTION | WIDTH | HEIGHT | COMMENTS |
|------|--------------|--------|--------|----------------|
| 4TB | TACK BOARD | 4'-0" | 4'-0" | <unless> |
| 6MB | MARKER BOARD | 6'-0" | 4'-0" | SPEC. 10 11 00 |
| 8TB | TACK BOARD | 8'-0" | 4'-0" | SPEC. 10 11 00 |
| 8MB | MARKER BOARD | 8'-0" | 4'-0" | SPEC. 10 11 00 |
| 8MP | MARKER PANEL | 8'-0" | 8'-0" | SPEC. 10 11 00 |
| 10MB | MARKER BOARD | 10'-0" | 4'-0" | SPEC. 10 11 00 |
| 16MB | MARKER BOARD | 16'-0" | 4'-0" | SPEC. 10 11 00 |

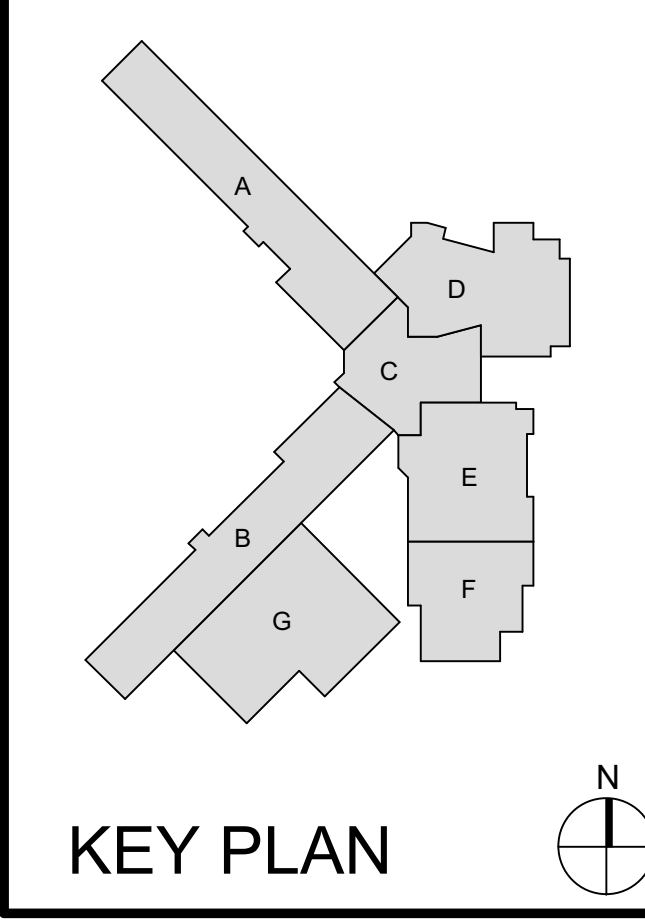


Project No. 2019-067.WSC
 Project Date 07.31.2024
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| # | Revision | Date |
|----|-------------|------------|
| A1 | ADDENDUM #1 | 08.22.2024 |

8401 Westfield Blvd
 Indianapolis, IN 46240

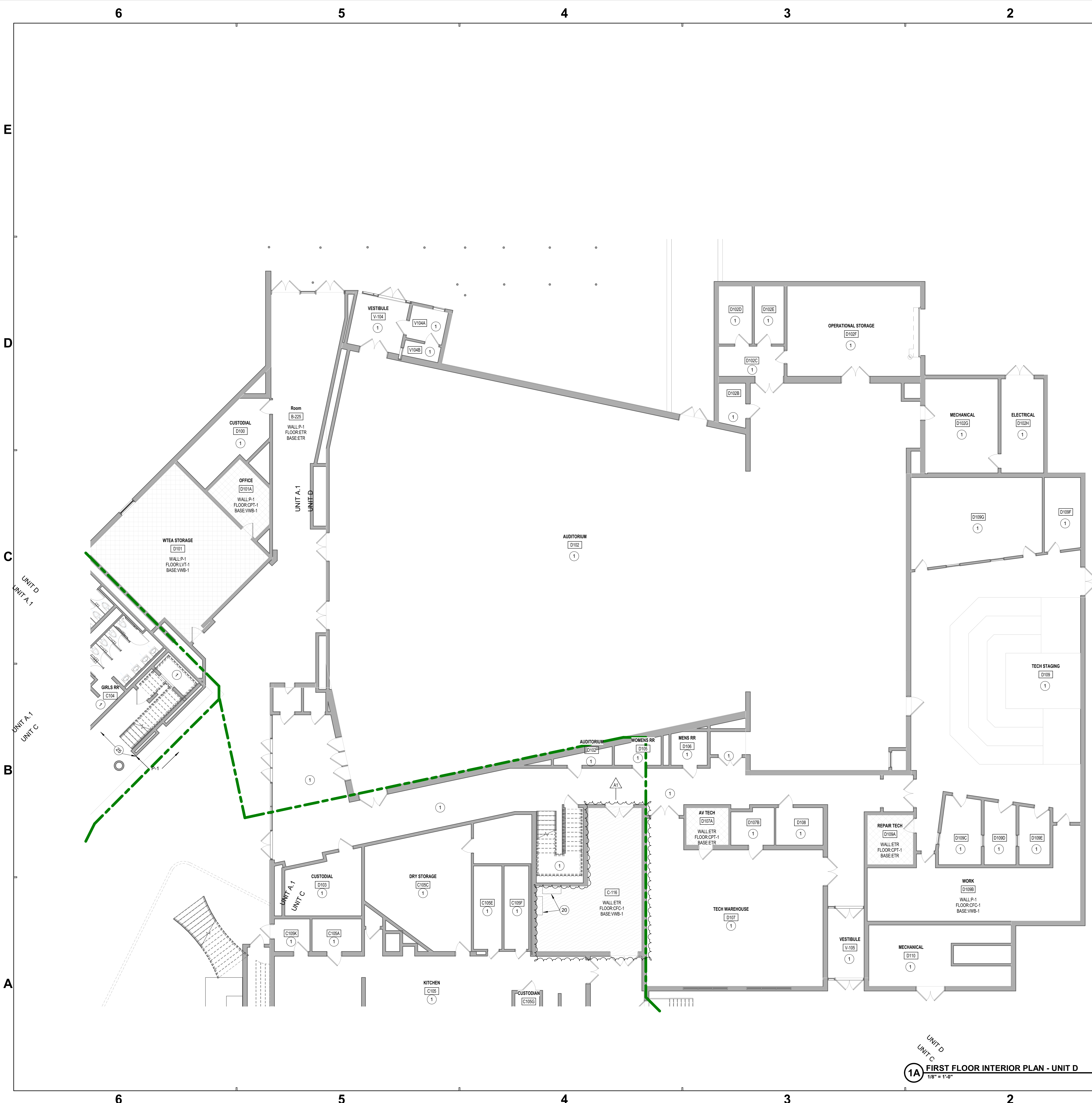


SERVICES CENTER RENOVATION - PHASE 6B

FIRST INTERIOR FLOOR PLAN - UNIT C

IN1C1

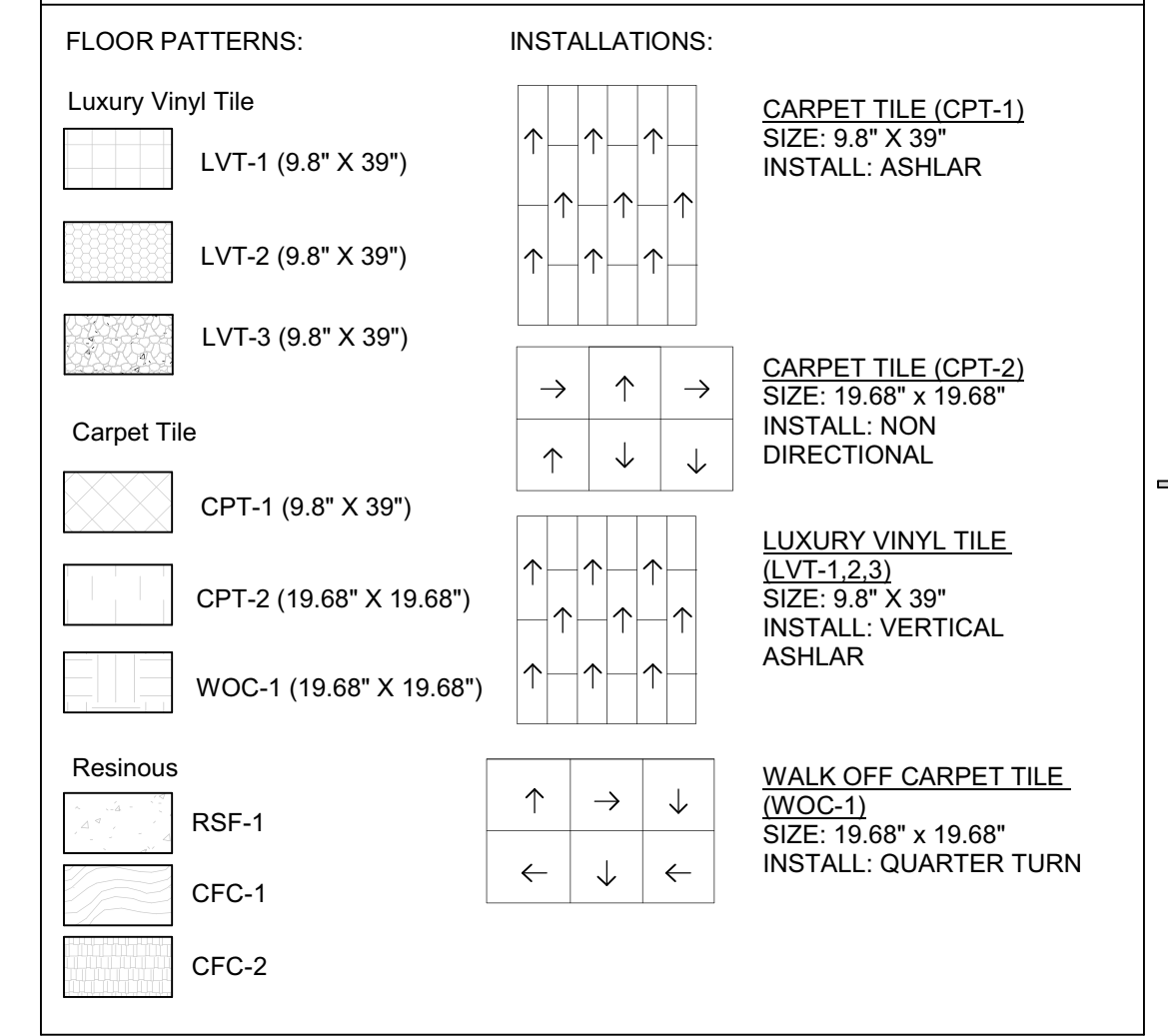
2A FIRST FLOOR INTERIOR PLAN - UNIT C
 1/8" = 1'-0"



Interior General Notes

- Reference A-001 for general plan notes. All notes may not apply to this sheet.
- A. FINISHES PRIOR TO START & FINAL COMPLETION OF WORK
 - Where existing finishes are to remain outside scope of work, patch & repair any area damaged or effected by renovation, to return to like new condition, matching adjacent finishes. This includes, but is not limited to doors & associated hardware, door frames, wall finishes, wall base, floor finish including floor transitions & thresholds, etc. It is the responsibility of the Contractor to verify conditions in field prior to start & completion of work.
 - B. Interior Painting/Wallcovering
 - Existing wall conditions that were not specifically noted to be patched and repaired, but are designated to receive new finishes, are to be repaired prior to new finishes being applied. It is the Contractors responsibility to confirm conditions in field prior to start of work.
 - Walls are to be prepped removing any existing wallcovering & residue, holes patched, and surface smoothed prior to new paint or wallcovering being installed.
 - Resilient Wall Base over gyp. - Prior to removal of existing resilient wall base, score wall above top of base to minimize damage to drywall.
 - C. Reference Architectural ceilings plans for ceiling heights and bulkhead color designations. Paint all bulkheads HP-1 or P-1 unless specifically noted otherwise. Bulkheads that are flush with walls provide color to match adjacent wall color.
 - D. Paint interior hollow metal door frames HP-3.
 - E. Paint all exposed conduit, piping, and associated assemblies to match adjacent paint finish. Applies to all new & existing to remain in areas of renovation or new construction.
 - F. Paint general walls HP-1 or P-1 (Neutral) unless specifically noted otherwise.
 - G. Existing Structural Glazed Block shall not be painted.
 - H. Exposed & existing brick, stone, and handrails shall not be painted unless specifically noted otherwise.
 - I. Wall Base
 1. Do not install resilient wall base on interior brick unless specifically noted otherwise. Provide caulk joint at floor level.
 2. Provide resilient wall base around all casework unless specifically noted otherwise
 - J. Where floor finish transitions between rooms, align transition centered with threshold of door unless noted otherwise.
 1. Resinous floor to receive metal schuler trim at floor transition. Refer to spec.
 2. LVT to carpet does not require transition strip, products will abut at same height.
 - K. Loose furnishings are not provided in this contract. Layouts and final design will be determined by Owner.

INTERIOR FLOOR PATTERN LEGEND

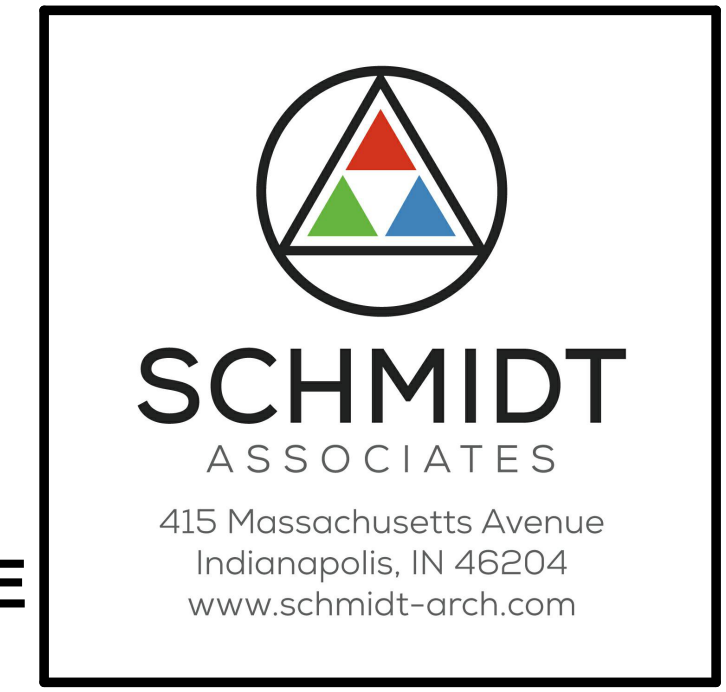


INTERIOR PLAN NOTES

| # | Note |
|-----|--|
| 1 | NO NEW WORK |
| 2.1 | 10 26 00 - PROVIDE SURFACE MOUNTED CORNER GUARD (CG-1). REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION. |
| 2.2 | 10 26 00 - PROVIDE SURFACE MOUNTED CORNER GUARD (CG-2). REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION. |
| 3 | CABINETRY & COUNTER FINISHES PROVIDED BY FOOD SERVICE |
| 5 | 12 24 12 - PROVIDE MANUAL ROLLER SHADES. VERIFY DIMENSIONS IN FIELD PRIOR TO ORDERING AND INSTALL. |
| 6 | NOT USED |
| 7 | REF. DETAIL ON SHEET I-401/6A FOR ALIGNMENT OF ACCENT FLOORING PATTERN. SPECIFIC LINE INDICATED BY LEADER(S) SHOULD ALIGN TO BULKHEAD ABOVE. |
| 8 | 09 96 23 99 - PAINT BULKHEAD IN ITS ENTIRETY. TO BE PAINTED P-2. TO BE TERMINATED WHERE SPECIFICALLY INDICATED BY LEADER(S). |
| 9 | CORPORATION CLINIC - BASE BID, NO NEW WORK, ALTERNATE 3; FINISHES AS NOTED IN FINISH TAG. |
| 10 | NOT USED |
| 11 | 09 72 00 - WALL TO RECEIVE VINYL WALLCOVERING (VWC-1) IN ITS ENTIRETY. TO TERMINATE WHERE SPECIFICALLY INDICATED BY LEADERS. |
| 12 | 09 64 68 99 - PROVIDE TWO COATS WATER BASED SEALER OVER THE ENTIRE WOOD FLOOR AND EXISTING COURT MARKINGS. EXISTING BLEACHERS TO REMAIN. COATING NOT REQUIRED UNDER BLEACHERS. |
| 13 | 09 96 00 99 - ACCENT STRIPES ON WALL TO BE REPAINTED WITH HIGH PERFORMANCE PAINT. SEE TYPICAL ELEVATION SHEET 5A1-202. |
| 14 | 09 30 00 - REF. ELEVATIONS I-202/3A/2E/3B/2D FOR OPERATION OFFICE RR WALL TREATMENT. |
| 15 | 09 72 00 - REF. ELEVATIONS I-202/3D/3C/4A/3E FOR TRUE NORTH GENDER NEUTRAL RESTROOM WALL TREATMENT. |
| 16 | 09 64 68 99 - PROTECT EXISTING BLEACHERS TO REMAIN DURING SANDING AND REFINISHING OF EXISTING WOOD FLOOR. |
| 17 | EXISTING RACQUETBALL WALL TO REMAIN. NOW NEW FINISH. |
| 18 | 09 72 00 - WALL TO RECEIVE VINYL WALLCOVERING (VWC-2) IN ITS ENTIRETY. TO TERMINATE WHERE SPECIFICALLY INDICATED BY LEADERS. |
| 19 | REF. DETAIL ON SHEET I-301/3A FOR TRANSITION OF EXISTING TERRAZZO TO LUXURY VINYL TILE. |
| 20 | EXISTING CASEWORK TO REMAIN. |
| 21 | 09 91 23 99 - PAINT FULL HEIGHT OF ENTIRE WALL. TO BE PAINTED P-2. TO BE TERMINATED WHERE SPECIFICALLY INDICATED BY LEADER(S). |
| 22 | 09 91 23 99 - PAINT FULL HEIGHT OF ENTIRE WALL. TO BE PAINTED P-3. TO BE TERMINATED WHERE SPECIFICALLY INDICATED BY LEADER(S). |
| 23 | 09 91 23 99 - PAINT FULL HEIGHT OF ENTIRE WALL. TO BE PAINTED P-4. TO BE TERMINATED WHERE SPECIFICALLY INDICATED BY LEADER(S). |
| 24 | 10 21 23 - PROVIDE CUBICLE CURTAIN & TRACK. SEE SPECIFICATION. |
| 25 | PAINT IS EXISTING TO REMAIN AS TO EXTENTS SHOWN. |
| 26 | DO NOT PAINT EXISTING COLUMN WRAPS. |
| 27 | ENTIRE WALL TO BE PAINTED AND RECEIVE NEW VINYL WALL BASE. |
| 28 | 09 72 00 - WINDOW FILM TO BE PROVIDED ON DOOR SYSTEM AND WINDOWS. REF. ELEVATION I-202/8D |
| 29 | WALL TO RECEIVE CHAIR RAIL. CHAIR RAIL TO MATCH EXISTING CHAIR RAIL PROFILE, WOOD SPECIES, AND STAIN. |
| 30 | MOVE EXISTING BUILDING PLAQUE TO NEW LOCATION. A NEW BUILDING PLAQUE: 24" X 36" TO BE PLACED IN ITS SPOT. |
| 31 | REF. DETAIL ON SHEET I-301/5C FOR END STATE OF THE WALL AFTER REMOVAL OF IMPACT WALL PANEL AND VWC. |
| 32 | EXISTING ICE MACHINE. |

VISUAL DISPLAY SCHEDULE

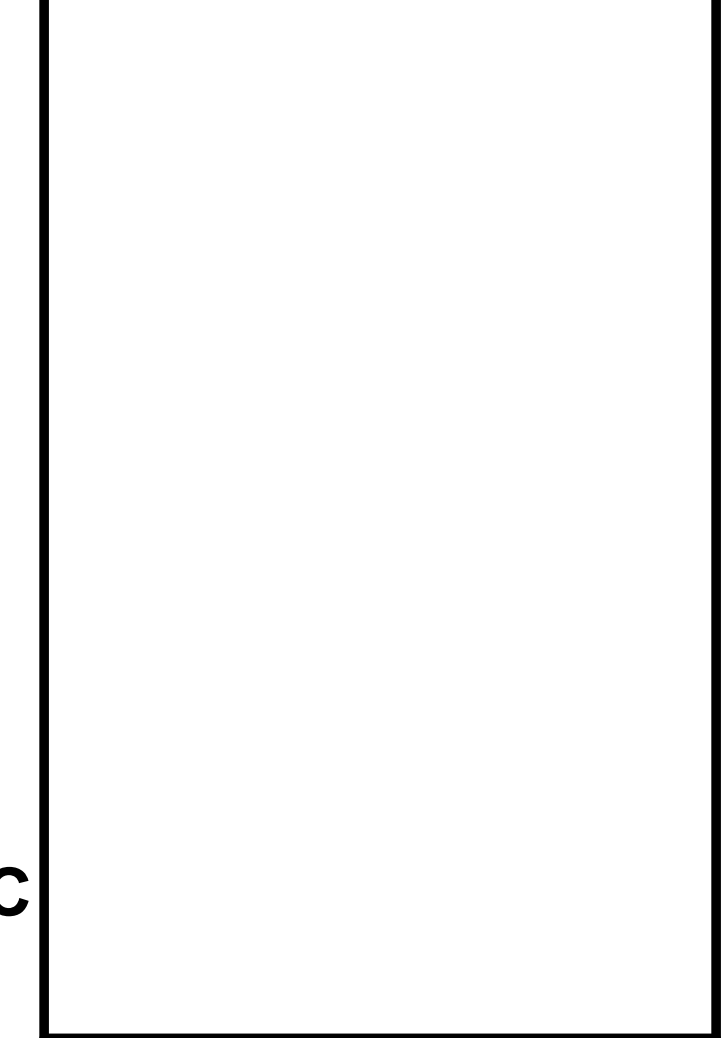
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| 6TB | TACK BOARD | 6'-0" | 4'-0" | SPEC. 10 11 00 |
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| 8MP | MARKER PANEL | 8'-0" | 8'-0" | SPEC. 10 11 00 |
| 10MB | MARKER BOARD | 10'-0" | 4'-0" | SPEC. 10 11 00 |
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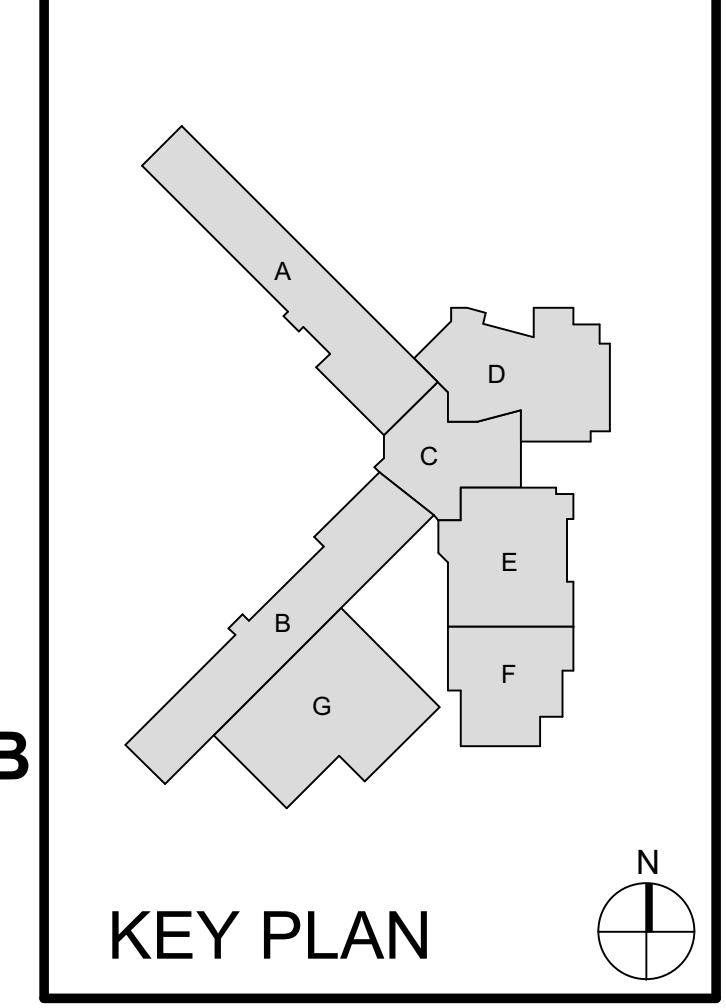
Project No. 2019-067.WSC
Project Date 07.31.2024
Produced LCB

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| # | Revision | Date |
|----|-------------|------------|
| A1 | ADDENDUM #1 | 08.22.2024 |



8401 Westfield Blvd
Indianapolis, IN 46240



SERVICES CENTER RENOVATION - PHASE 6B

INTERIOR FLOOR PLANS - UNIT D

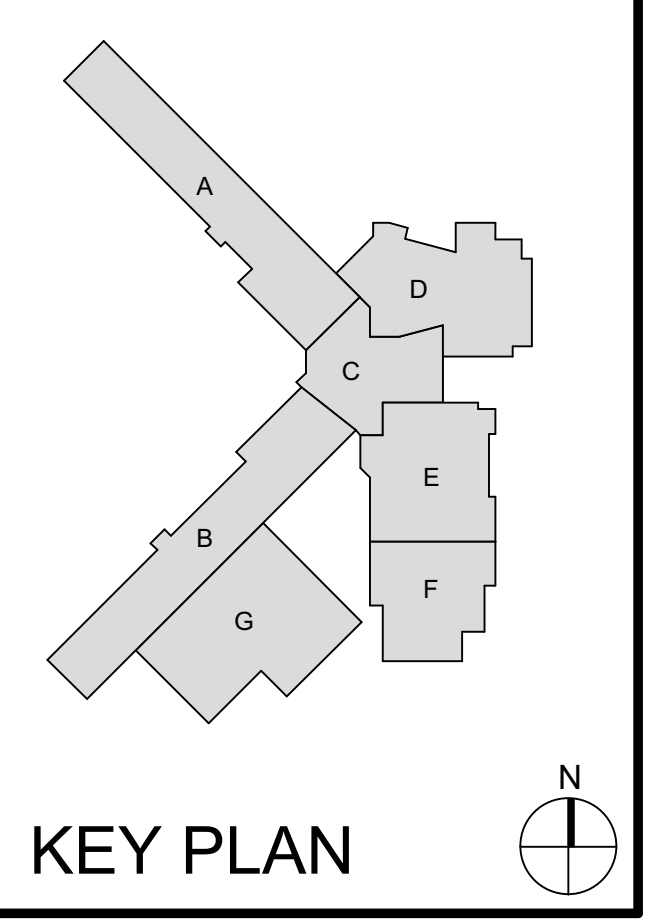
IN1D1

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

NO. 10/20/2024 10:00 AM
DRAWING DATE: 10/20/2024
PROJECT: M.S.D. OF WASHINGTON TOWNSHIP SCHOOLS SERVICES CENTER RENOVATION - PHASE 6B
SHEET: IN1D1

| # | Revision | Date |
|----|-------------|------------|
| A1 | ADDENDUM #1 | 08.22.2024 |

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Indianapolis, IN 46240

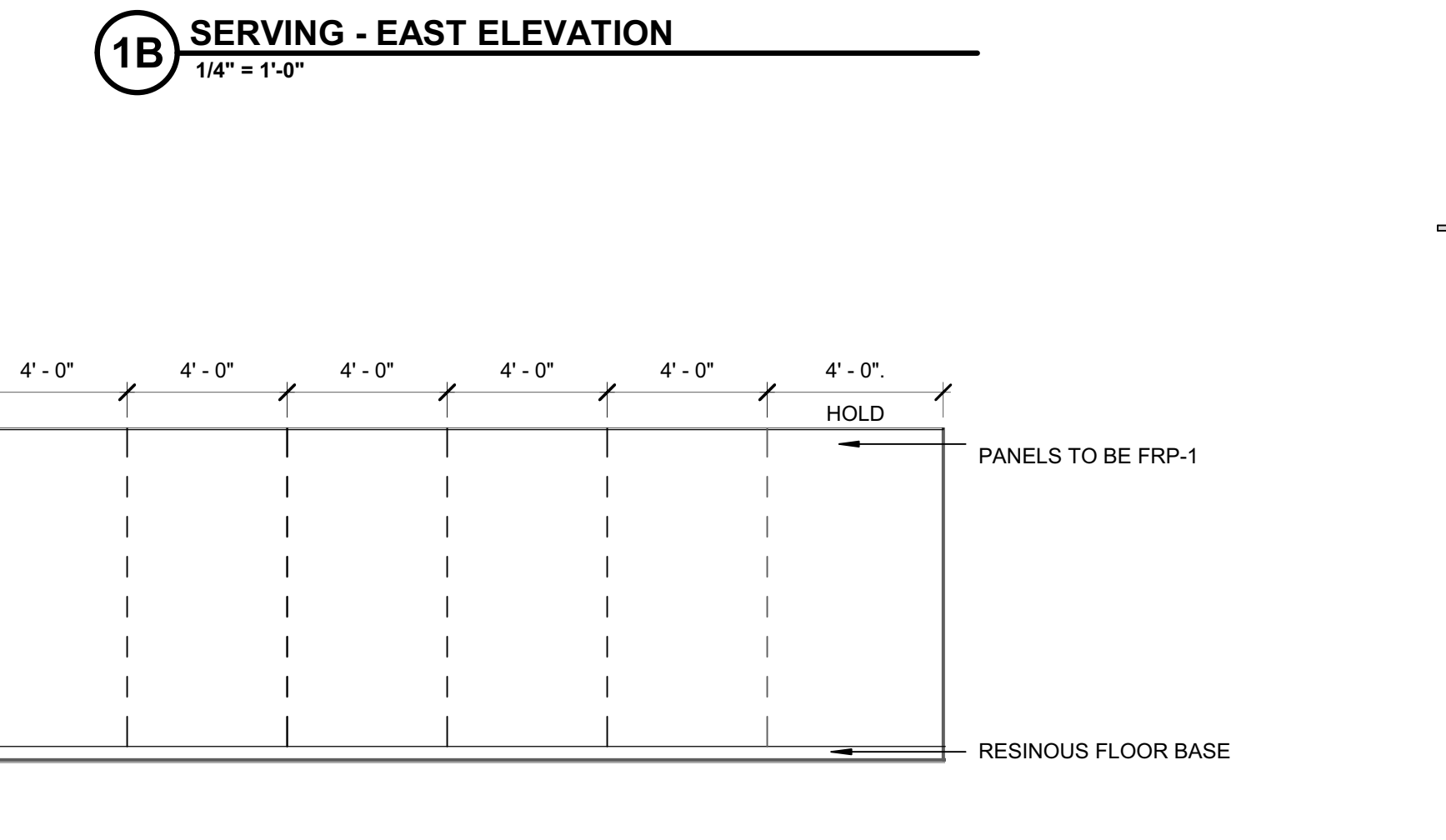
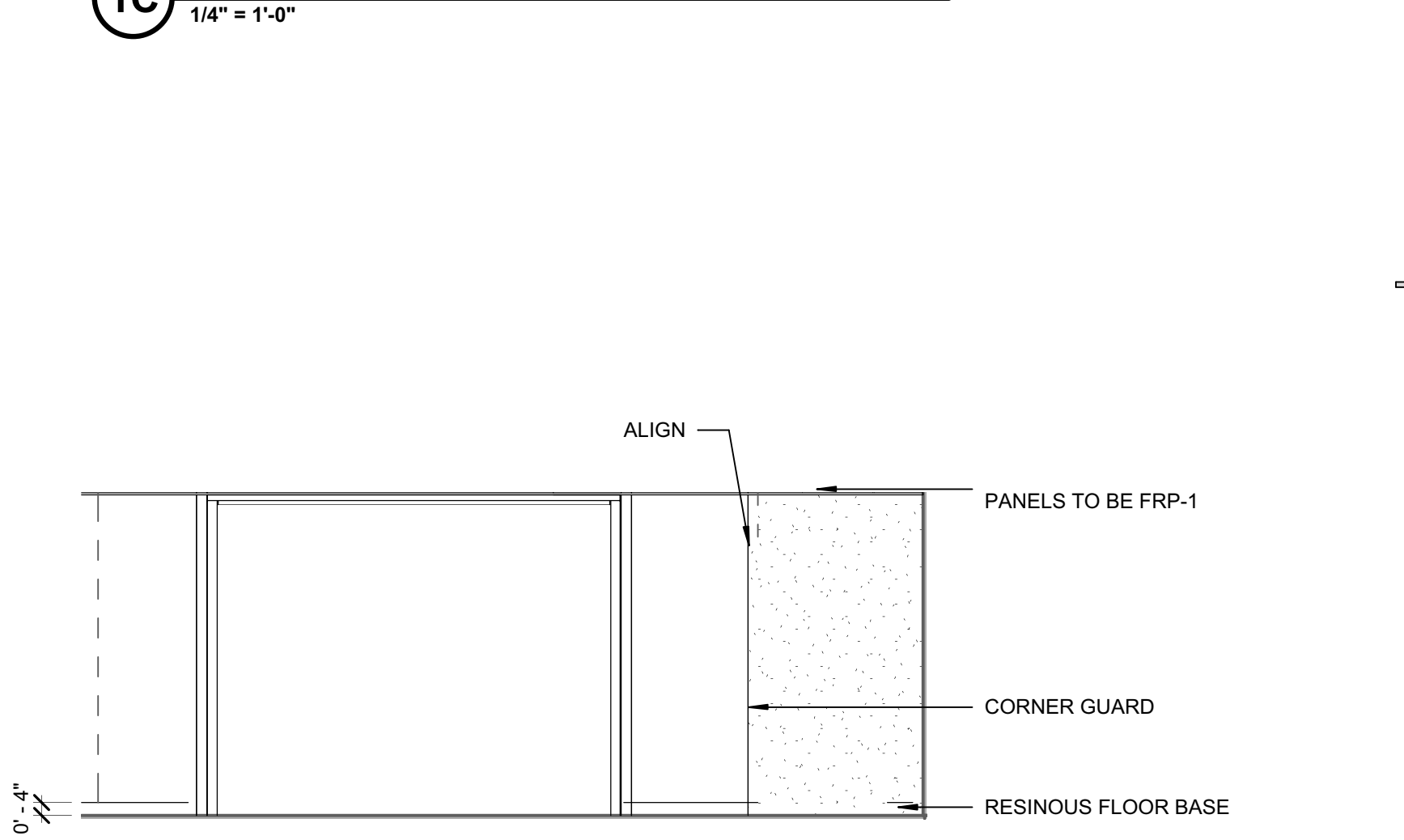
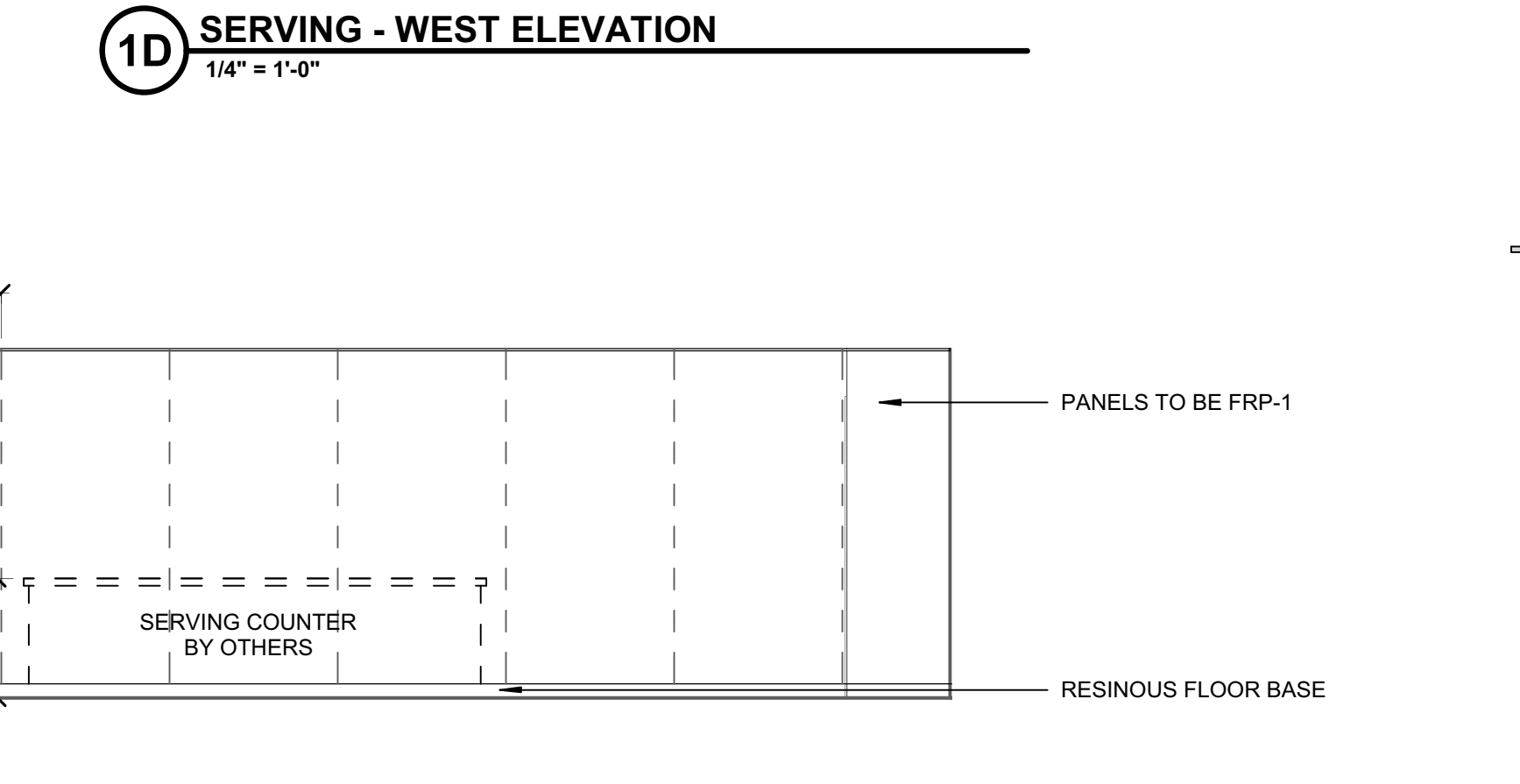
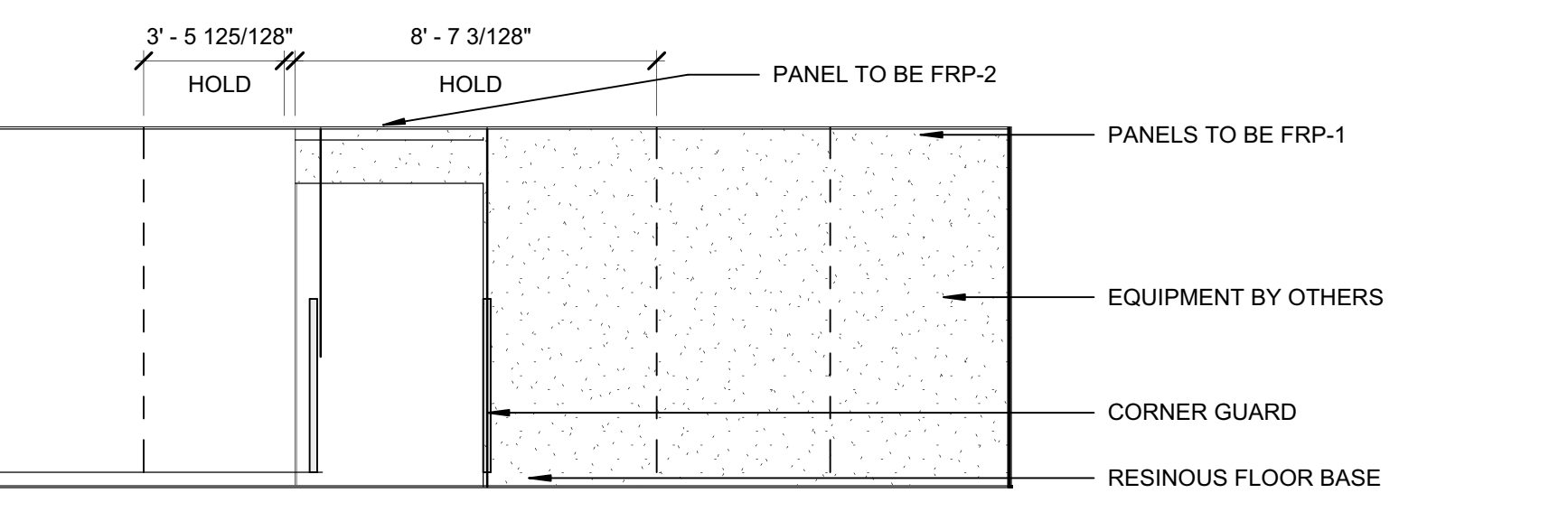
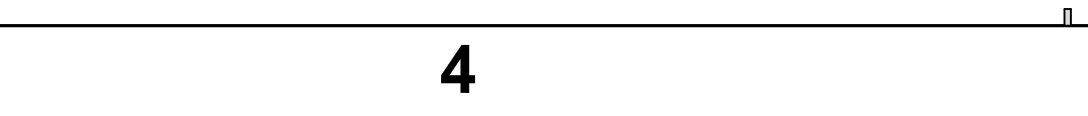
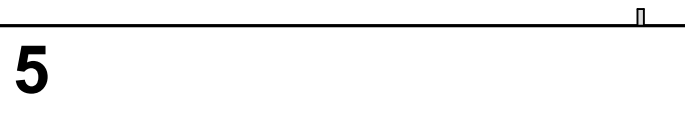
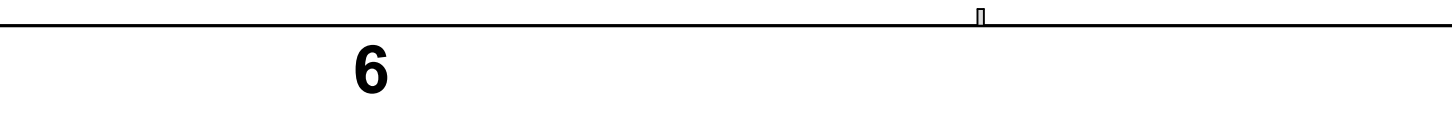
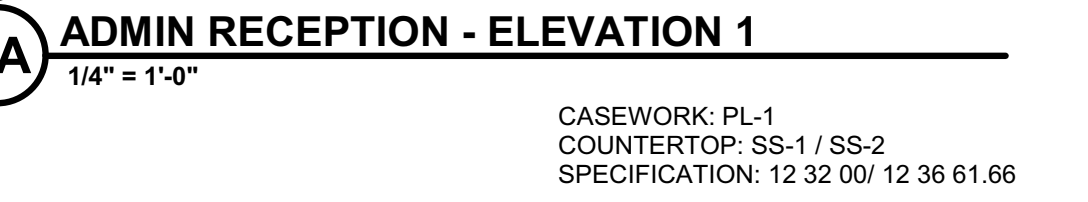
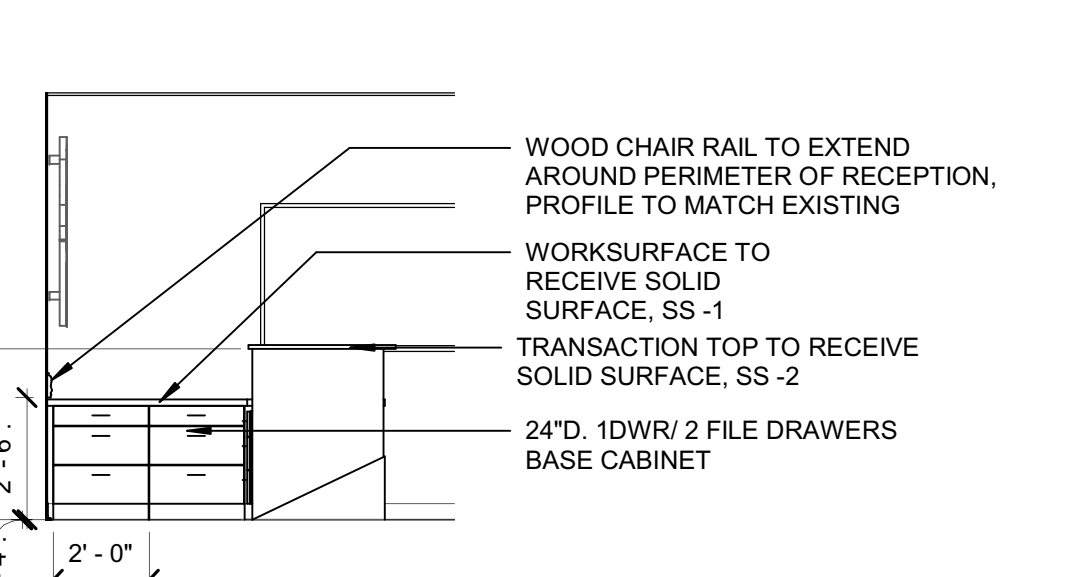
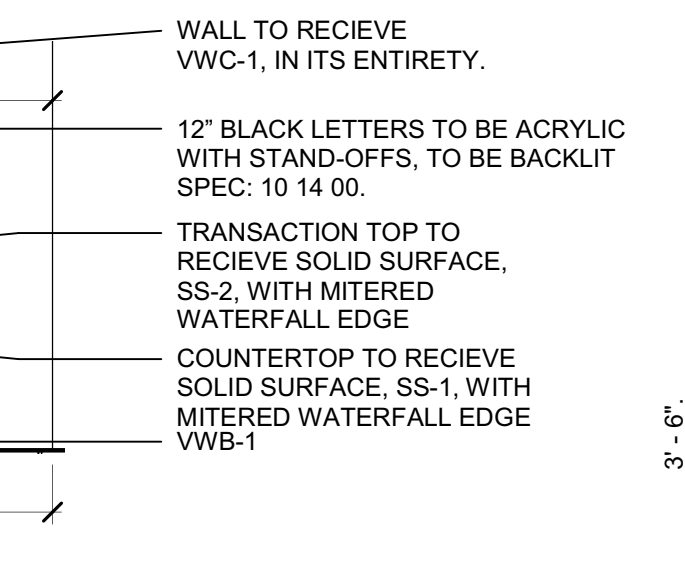
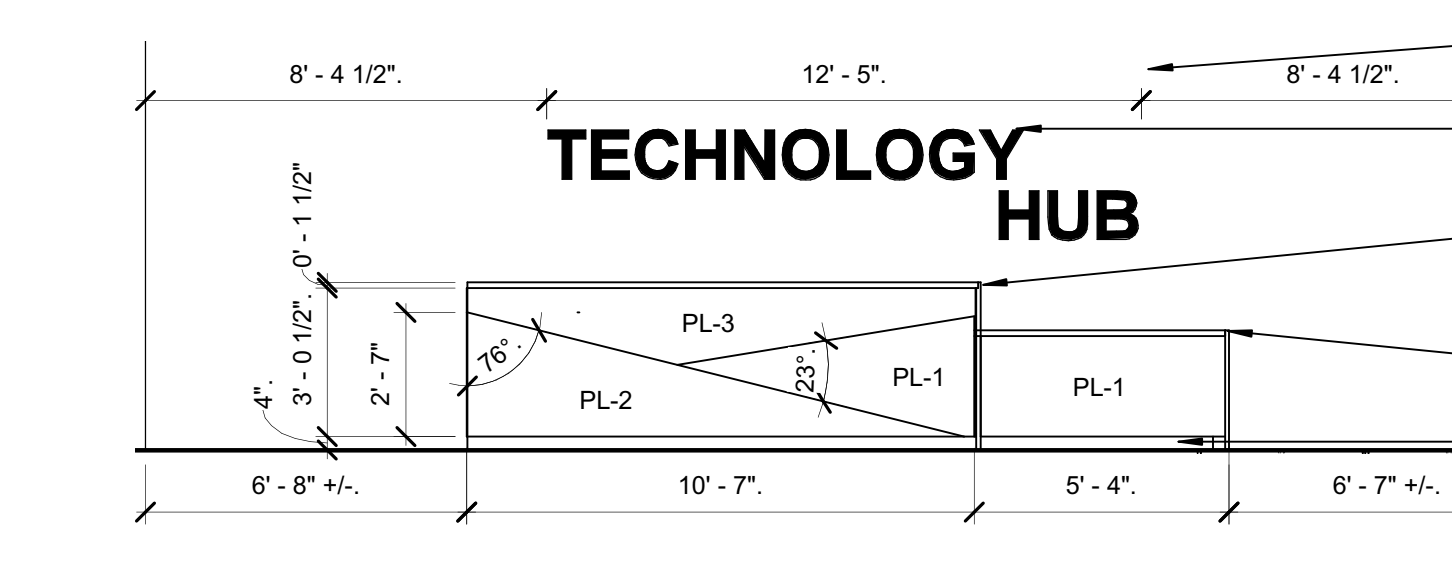
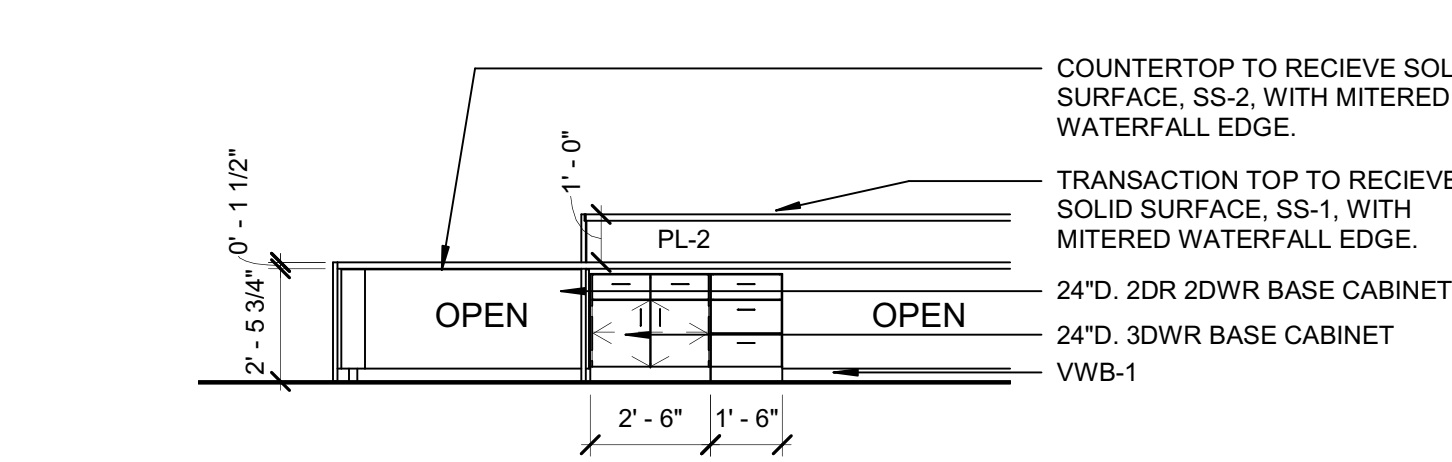
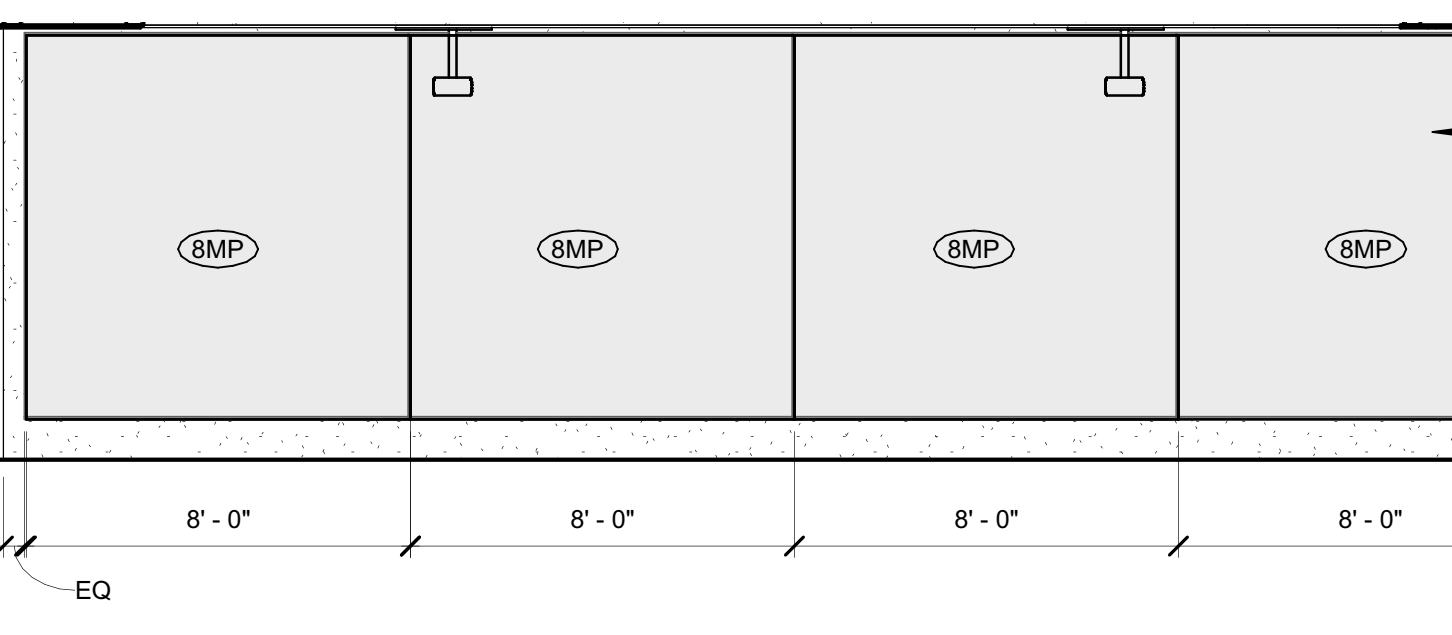
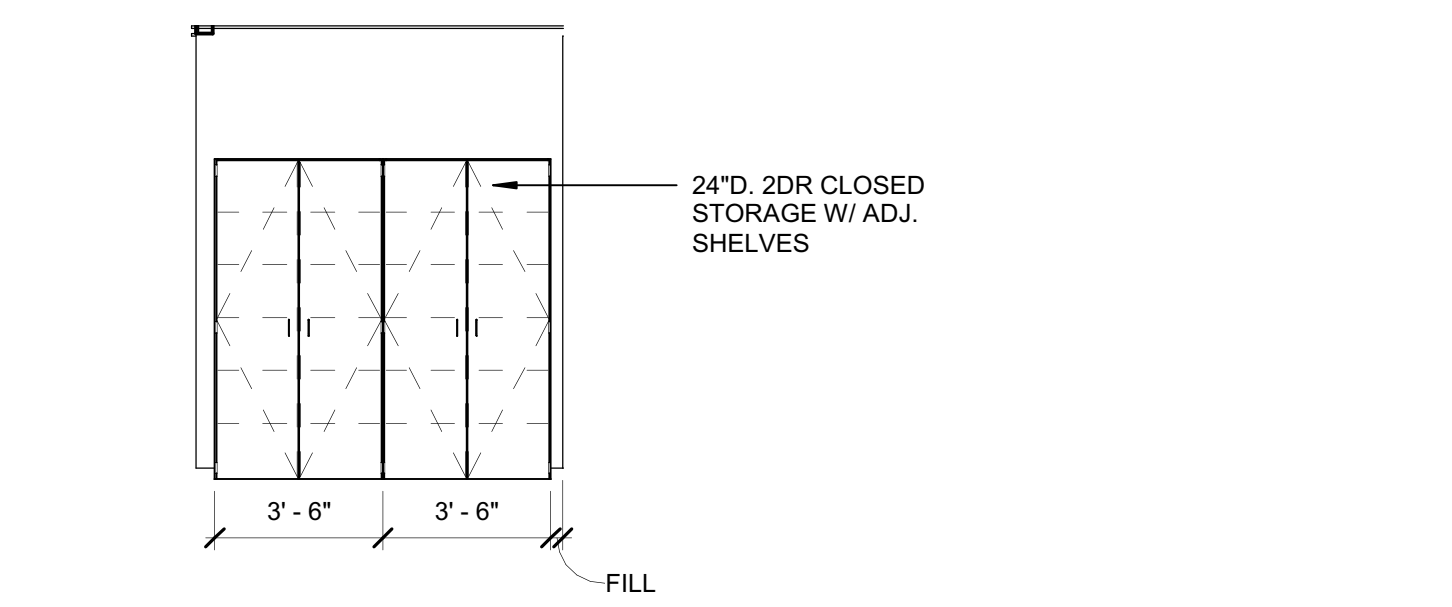
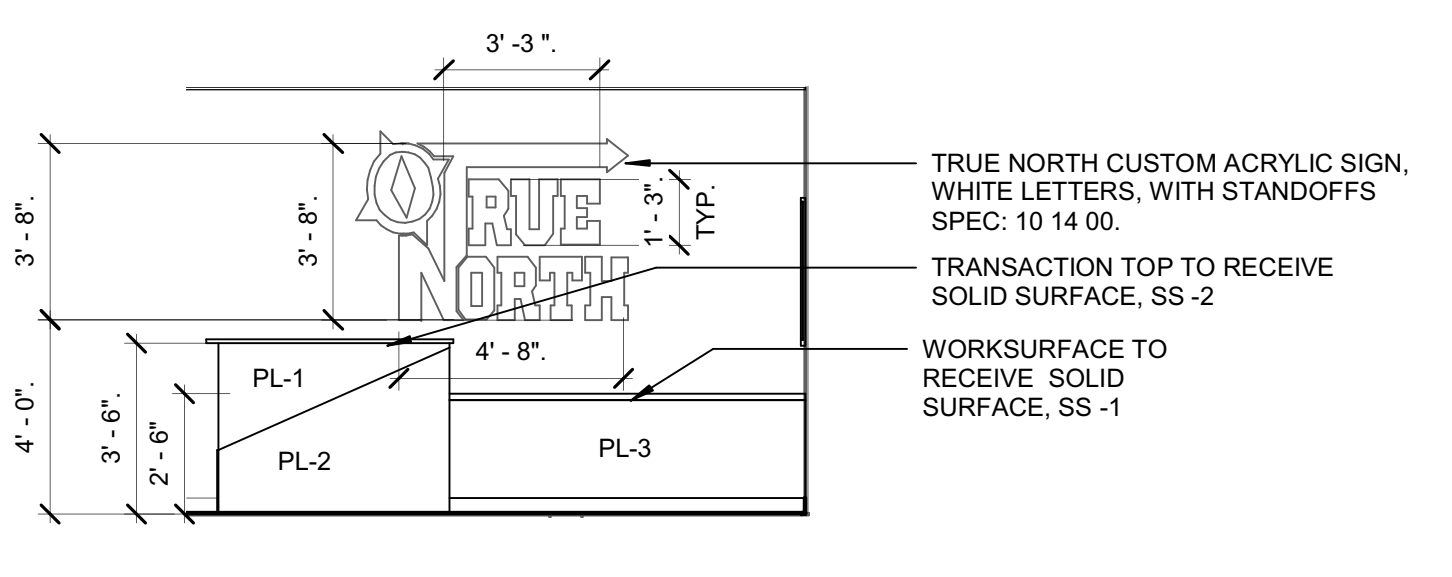
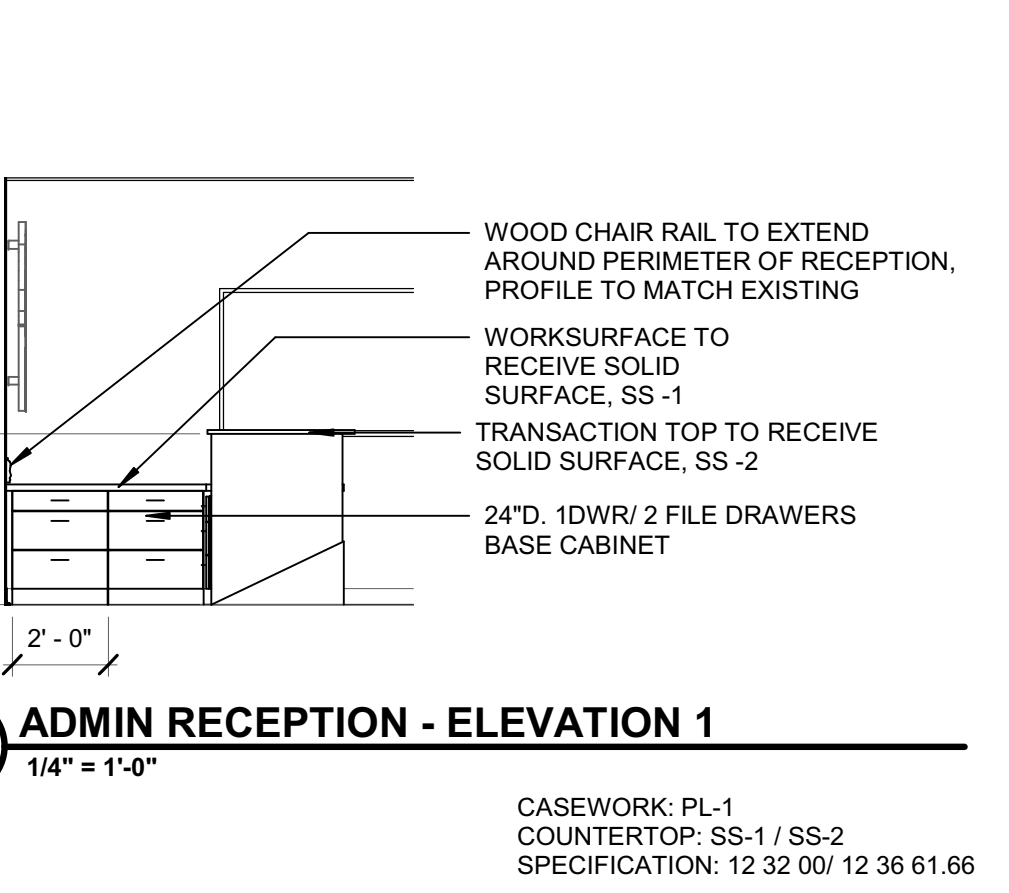
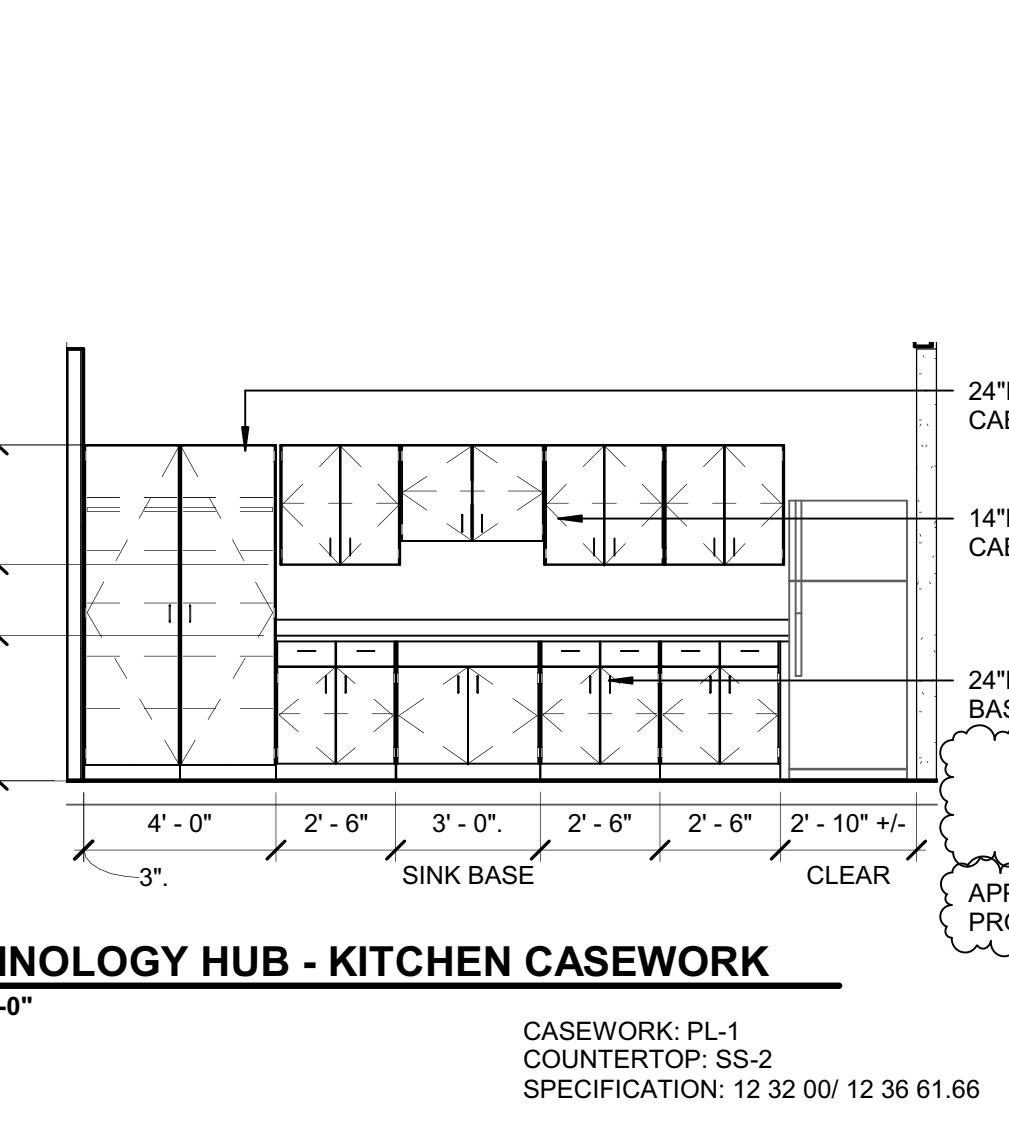
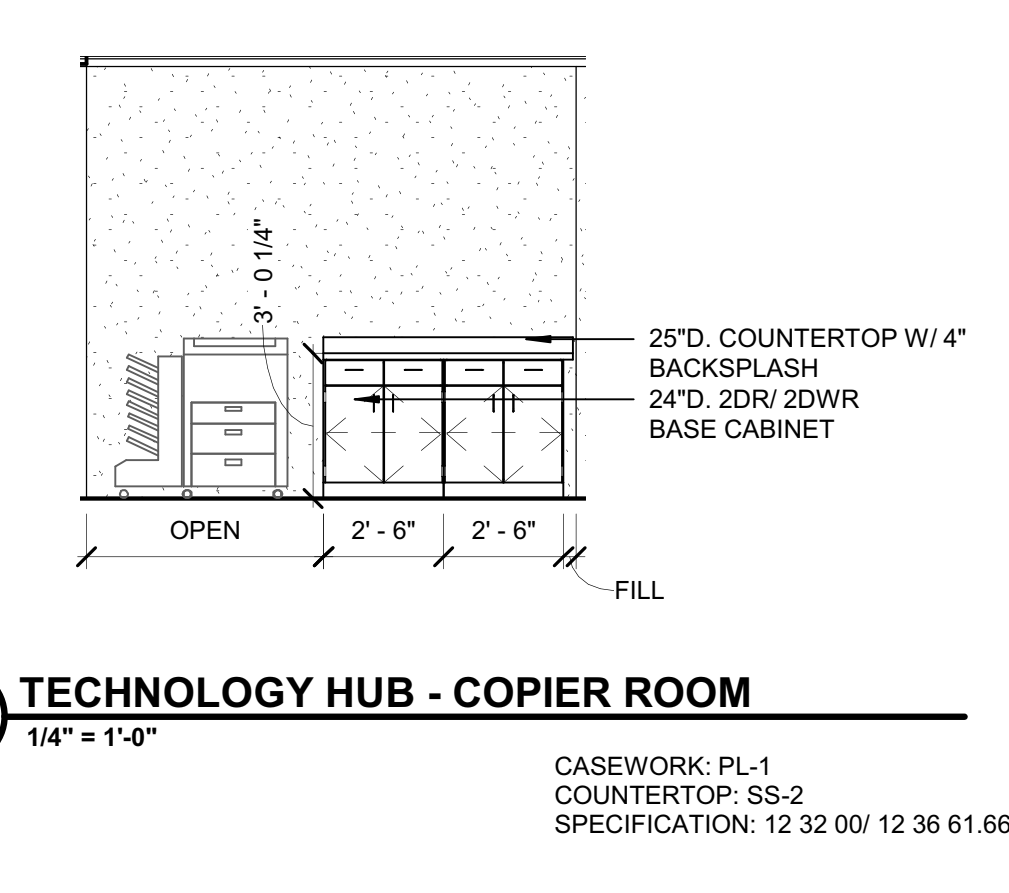
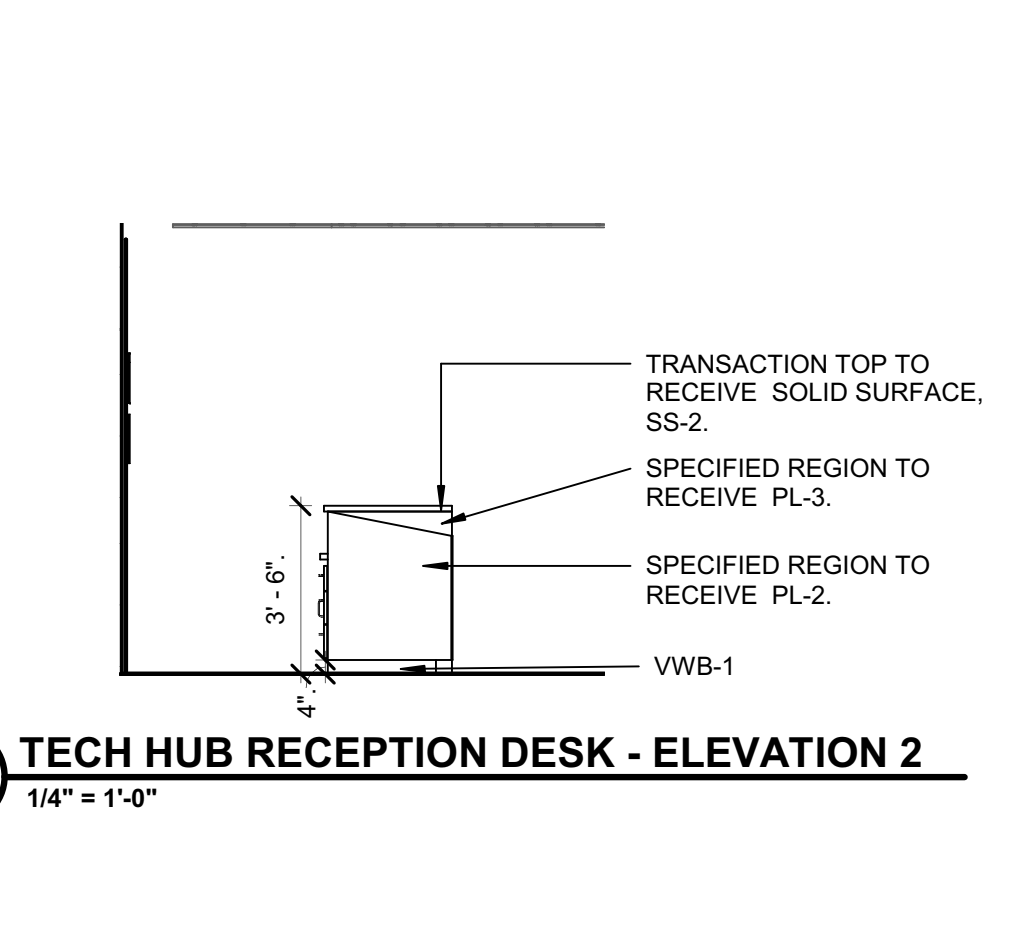
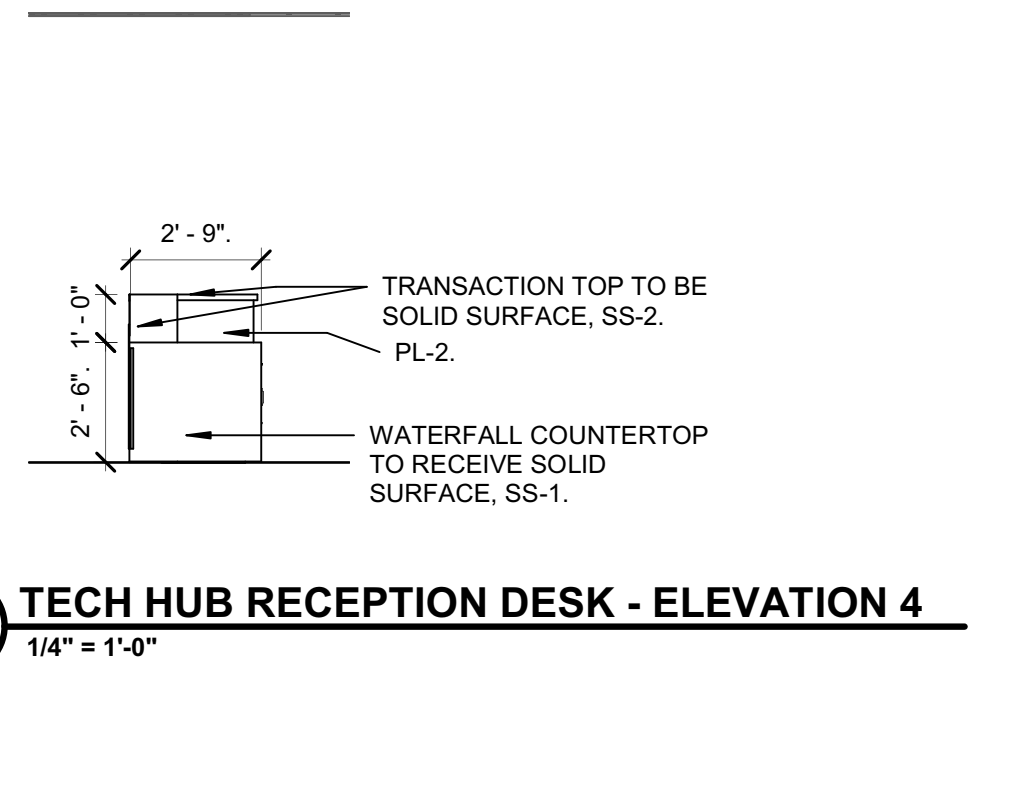
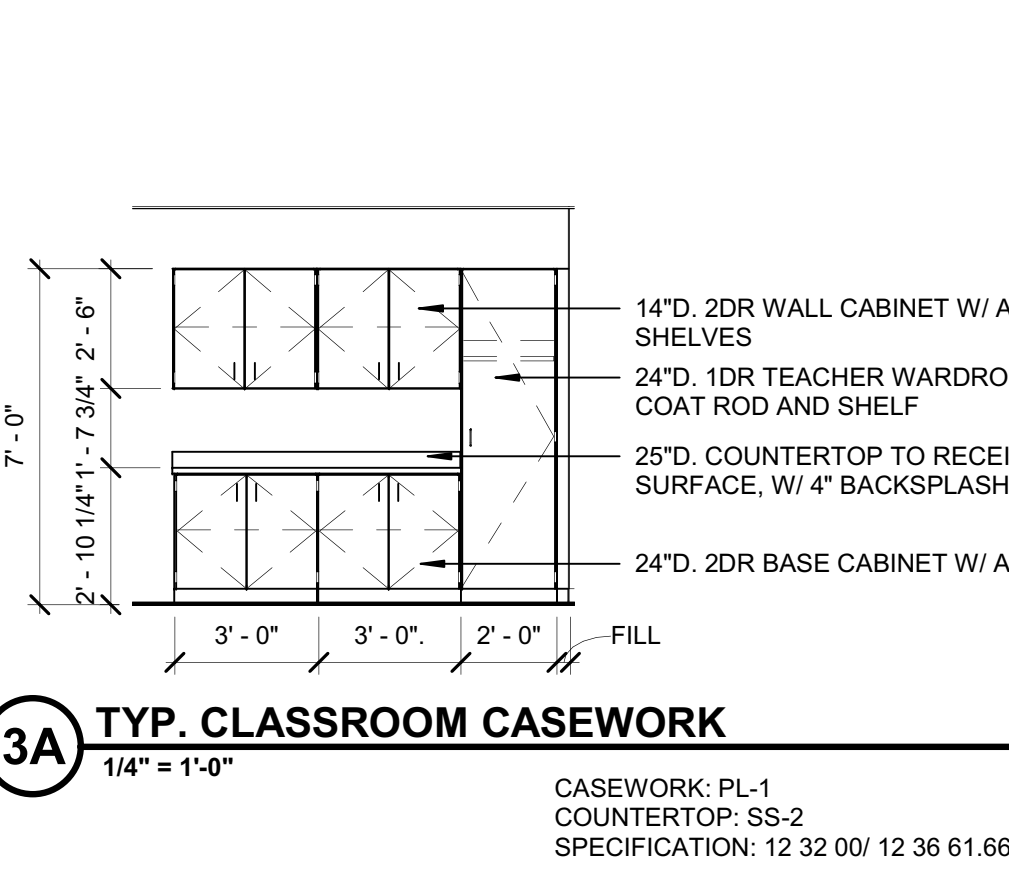
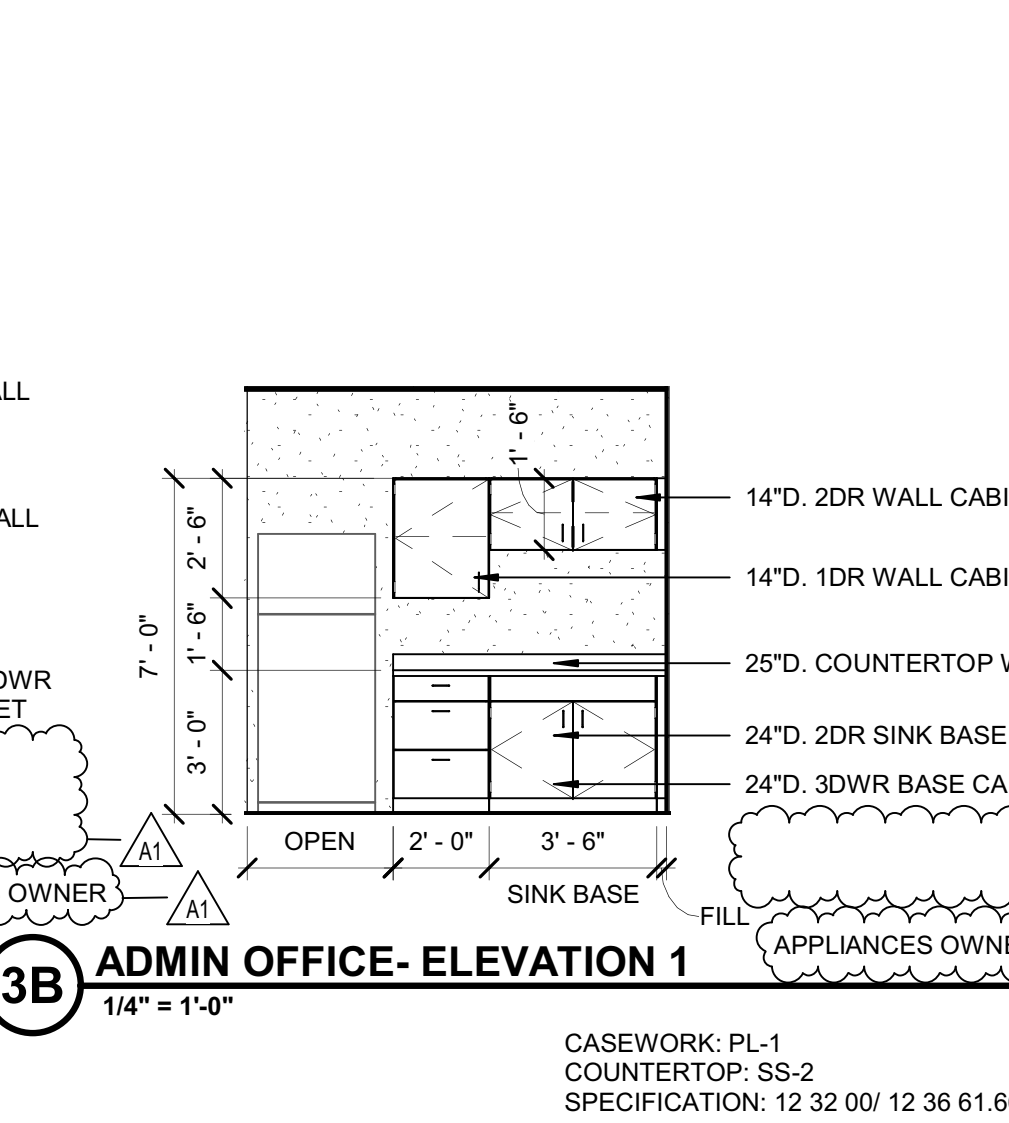
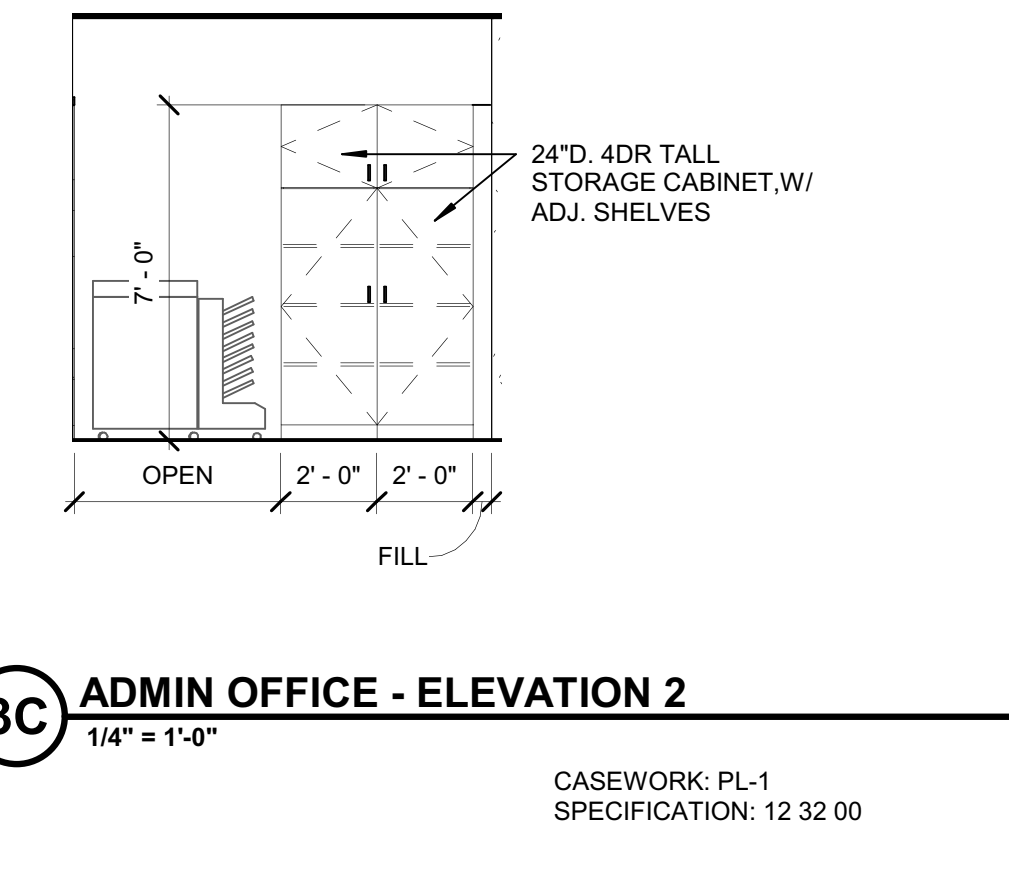
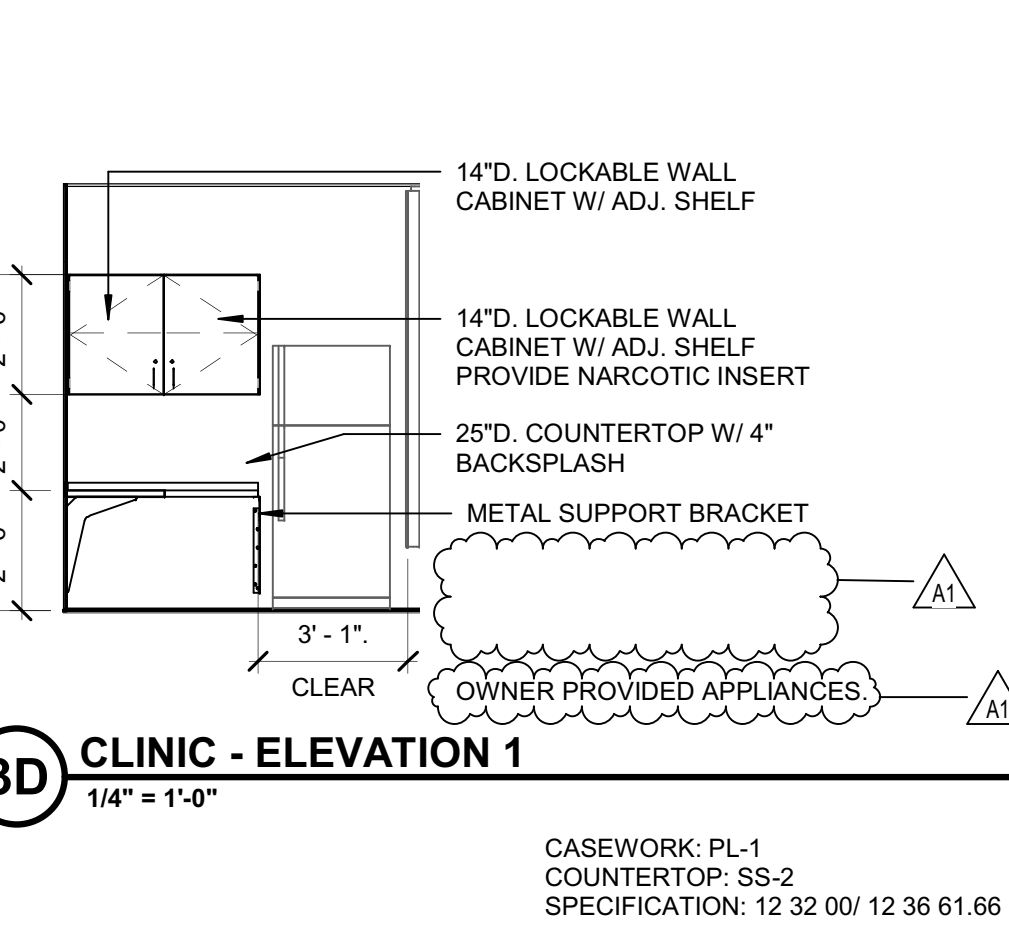
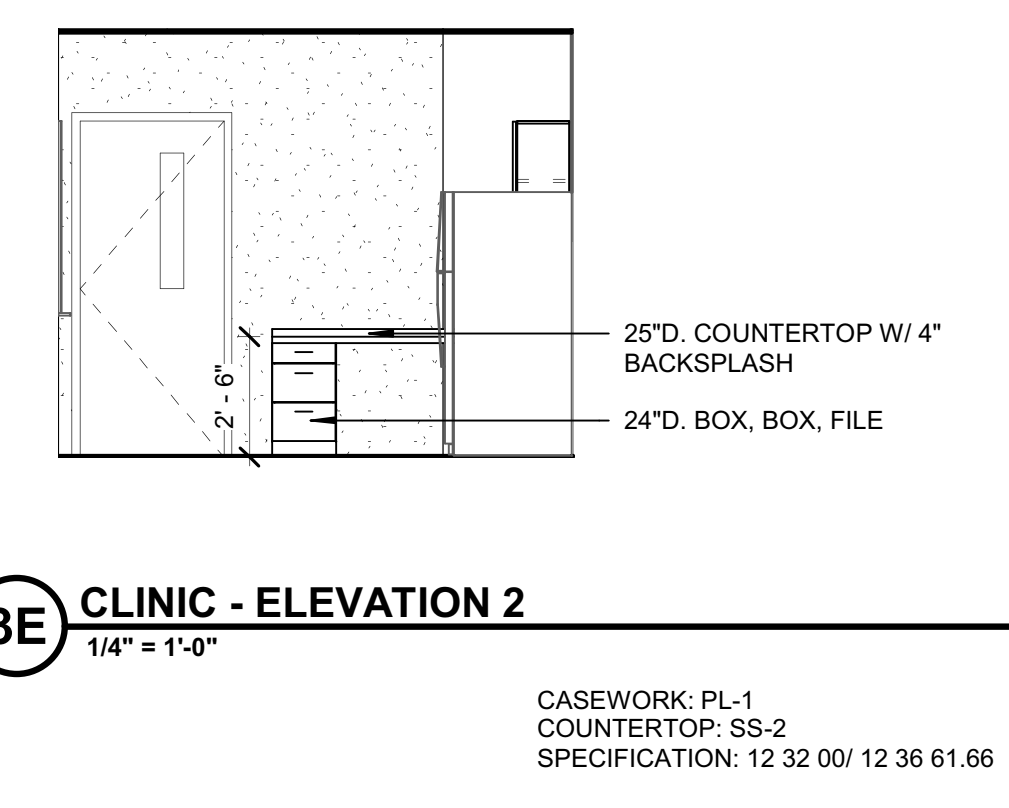
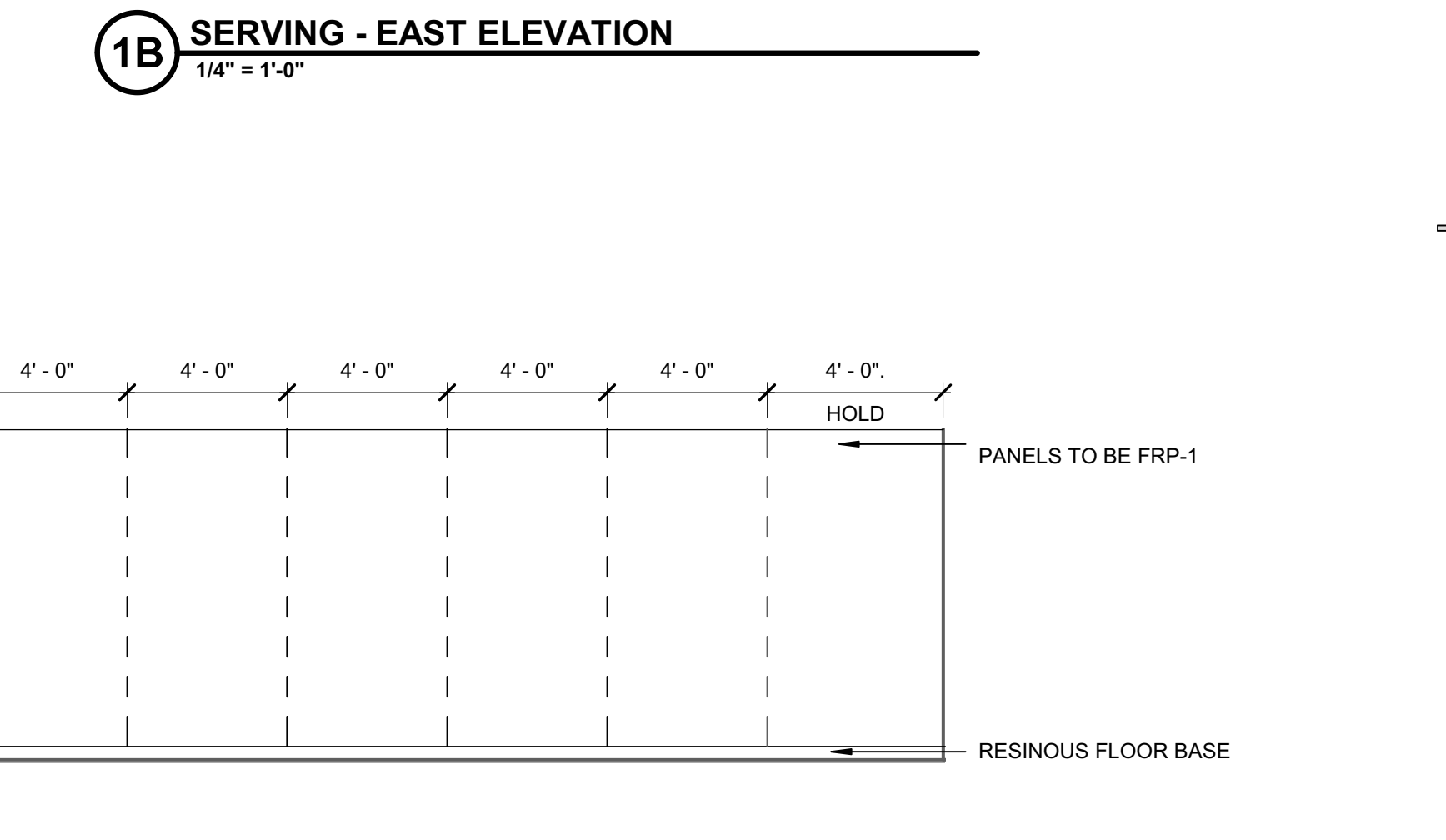
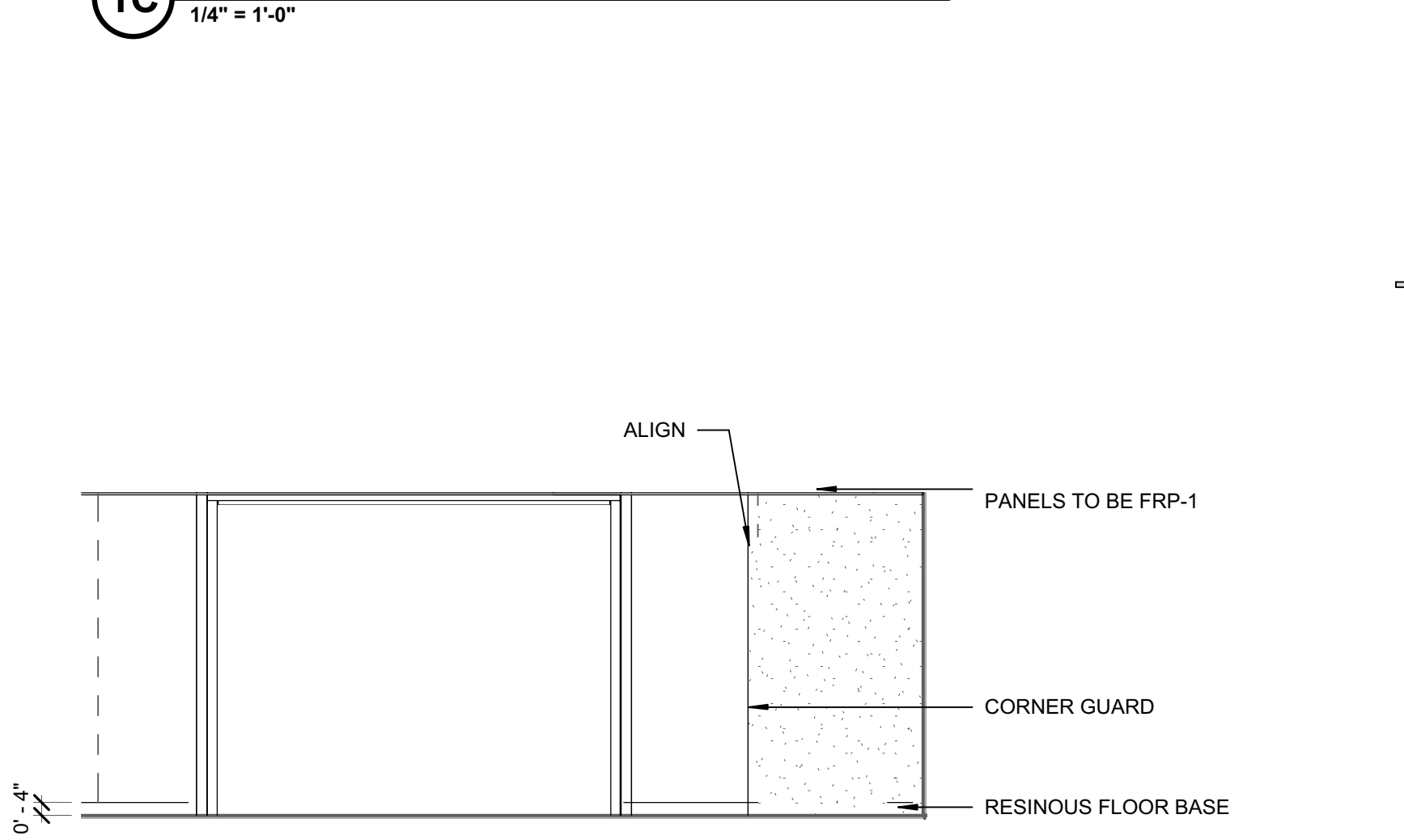
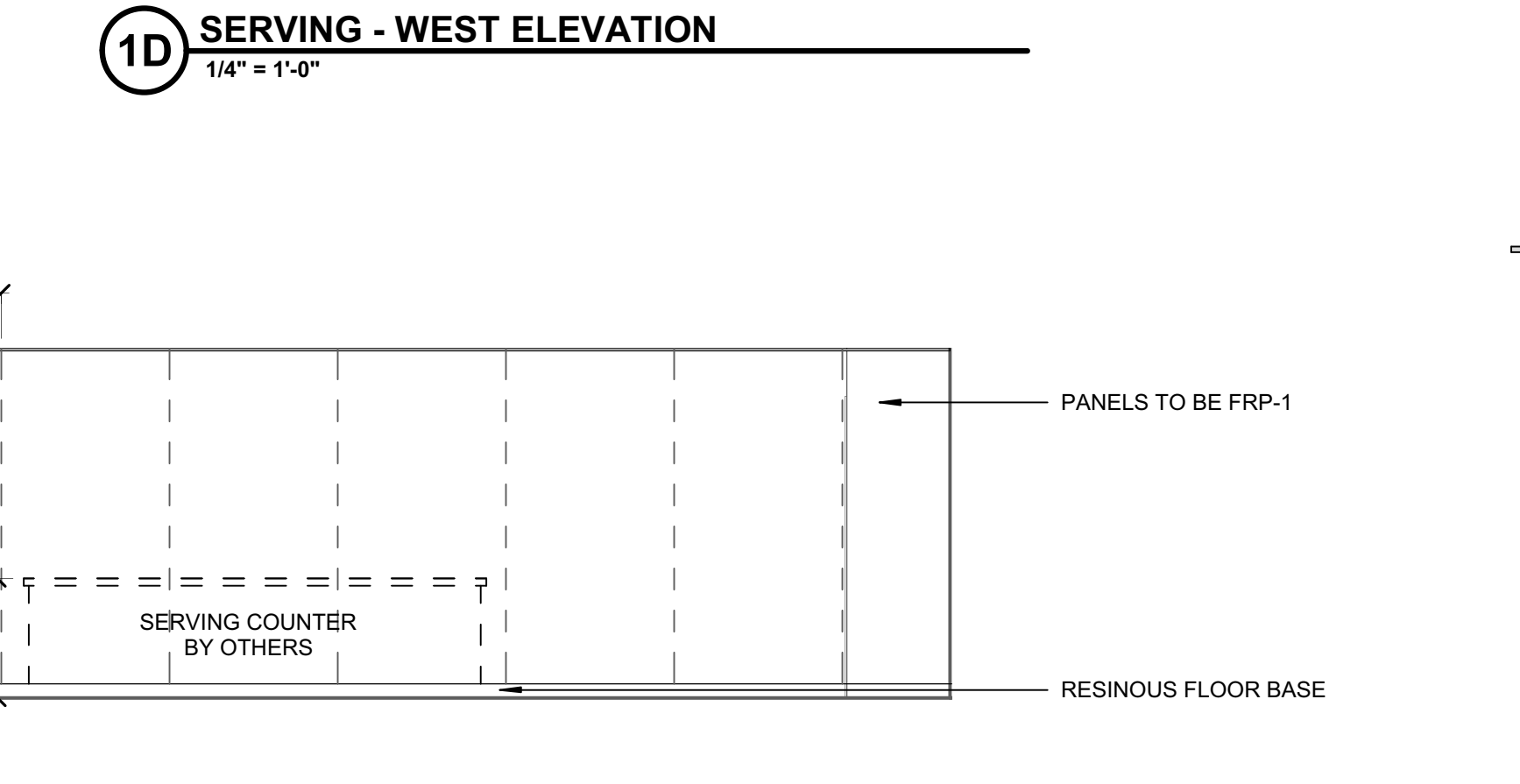
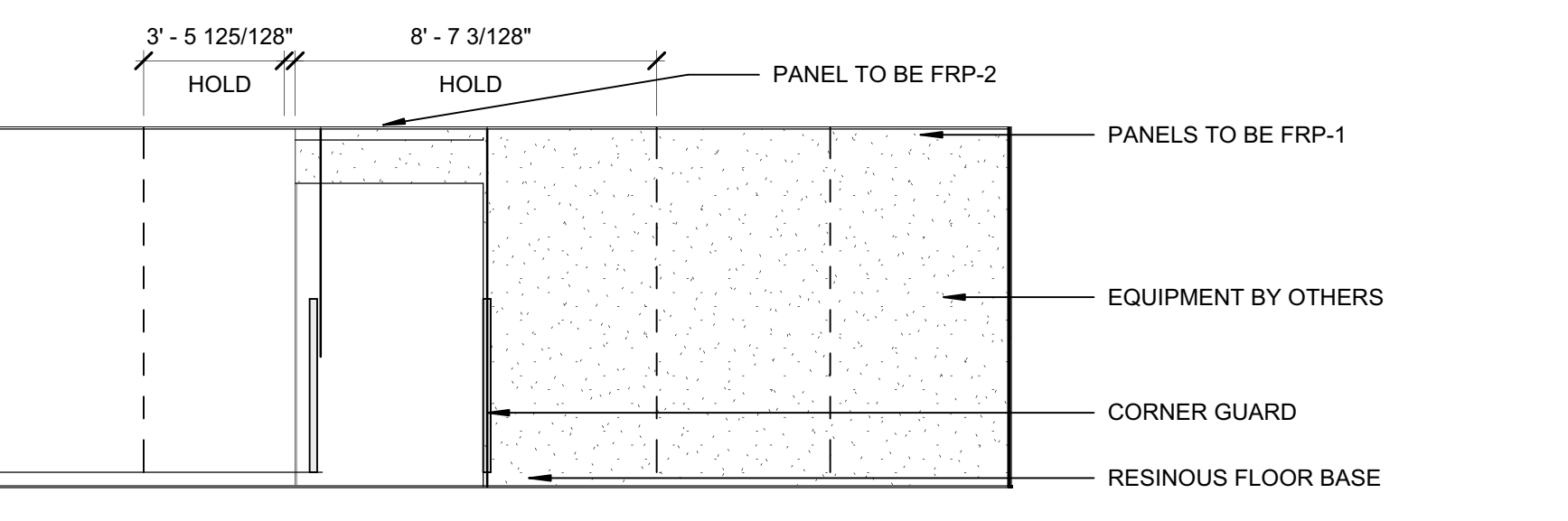
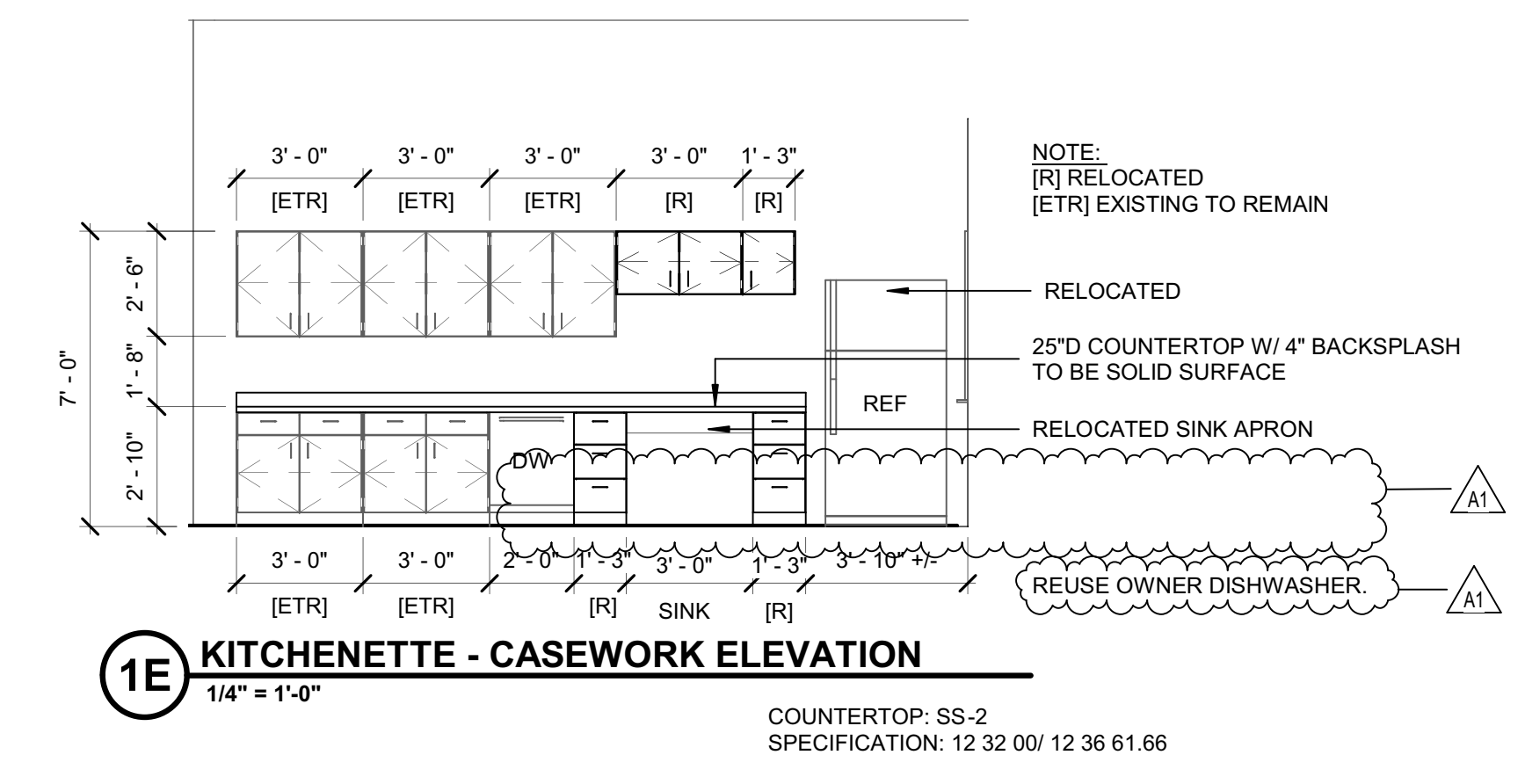


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SERVICES CENTER RENOVATION - PHASE 6B

INTERIOR ELEVATIONS & DETAILS





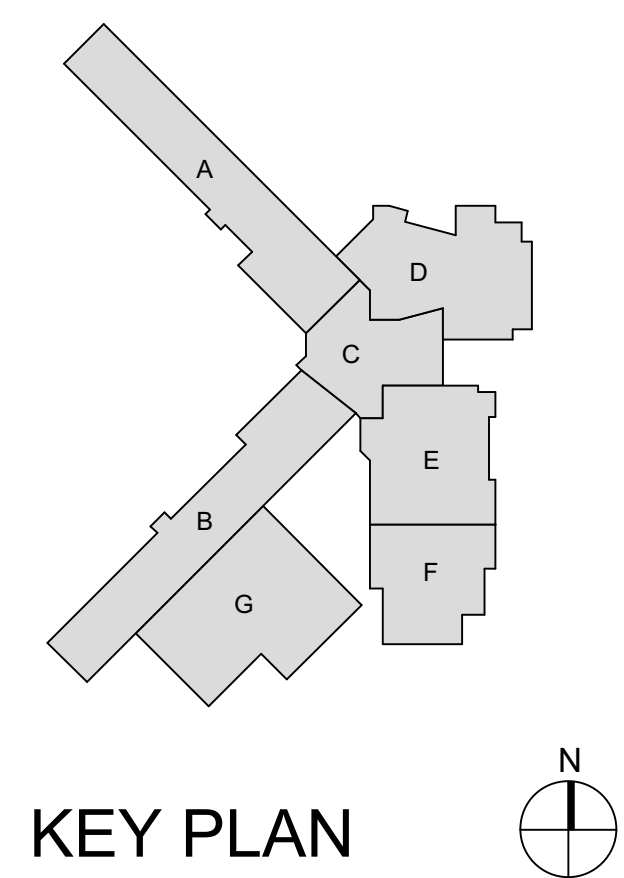
SCHMIDT ASSOCIATES
 415 Massachusetts Avenue
 Indianapolis, IN 46204
 www.schmidt-arch.com

Project No. 2019-067.WSC
 Project Date 07.31.2024
 Produced LCB

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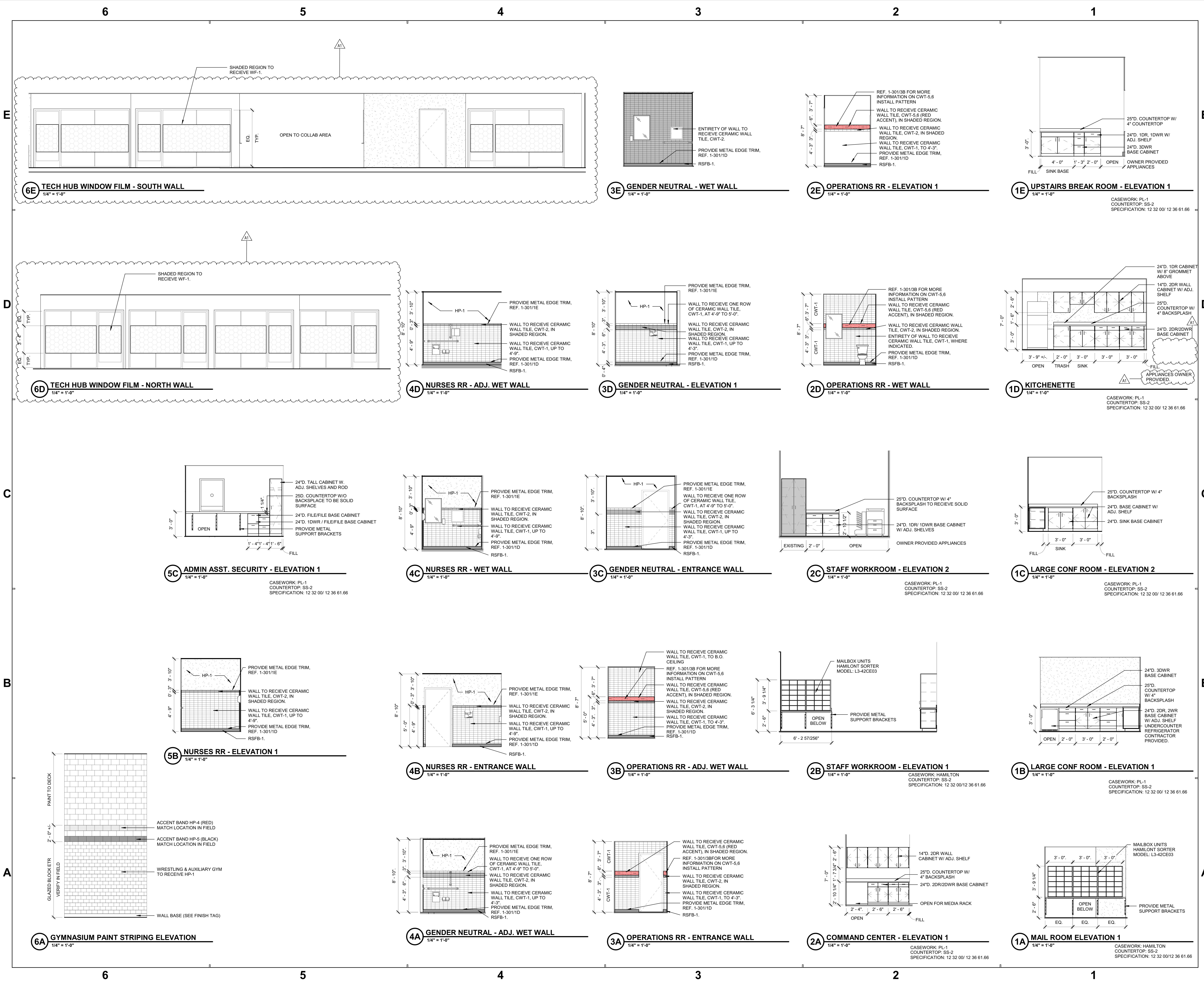
M.S.D. of Washington Township



SERVICES CENTER RENOVATION - PHASE 6B

INTERIOR ELEVATIONS & DETAILS

I-202



ALL DIMENSIONS SHALL BE TO FACE UNLESS OTHERWISE SPECIFIED.
 FINISHES SHALL BE AS SHOWN IN FINISH SCHEDULE AND SPECIFICATIONS.
 ALL MATERIALS SHALL BE NEW UNLESS OTHERWISE SPECIFIED.
 ALL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE IBC AND IBCS.
 ALL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE IBC AND IBCS.

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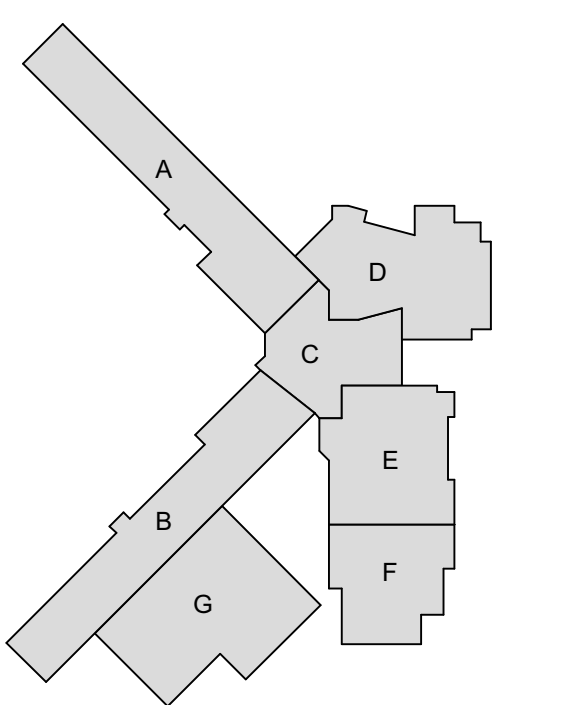
SCHMIDT ASSOCIATES
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KEY PLAN

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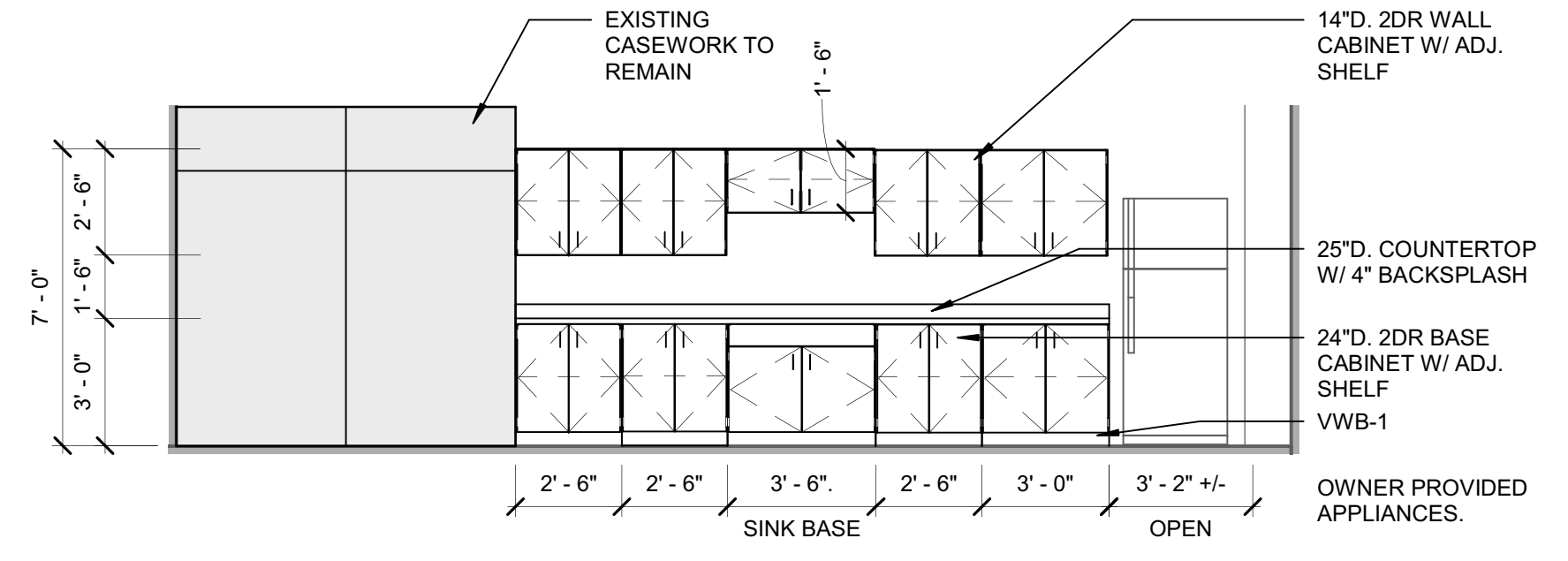


WASHINGTON TOWNSHIP SCHOOLS

SERVICES CENTER RENOVATION - PHASE 6B

INTERIOR ELEVATIONS & DETAILS

I-203

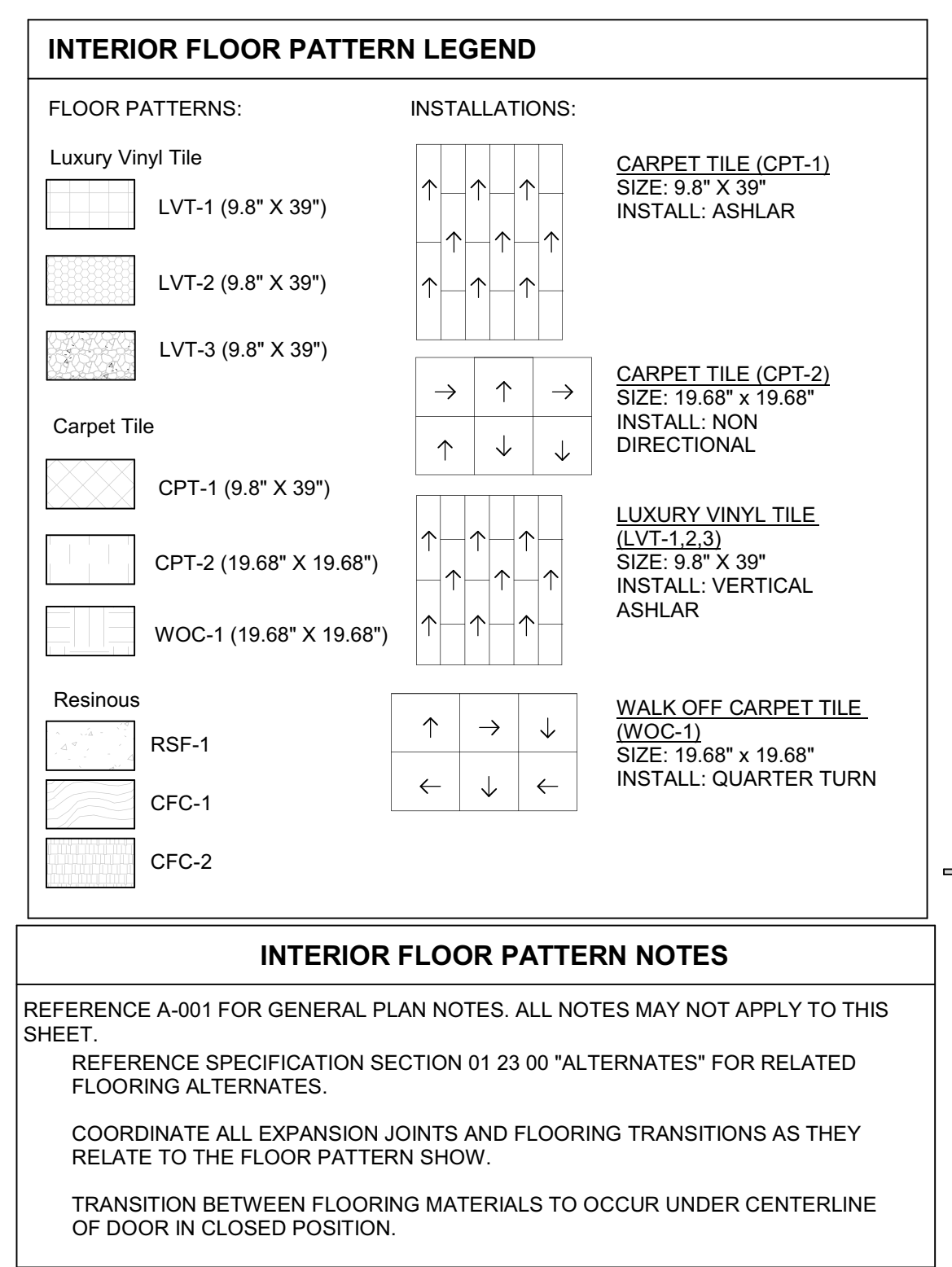


1A WORKROOM - KITCHENETTE
1/4" = 1'-0"

CASEWORK: PL-3
COUNTERTOP: SS-2
SPECIFICATION: 12 32 00/ 12 36 61 66

100% PROFESSIONAL DESIGN
DATE: 08/22/2024
PROJECT: SERVICES CENTER RENOVATION - PHASE 6B
DRAWN BY: LCB
CHECKED BY: [Signature]
SCALE: AS SHOWN

| 5.5.100 - INTERIOR FINISH LEGEND | | | | | | | |
|----------------------------------|---------------------|--------|---------------------------|-----------------------------|---|----------------------------------|--|
| APPLICATION | SPEC. | MARK | DESCRIPTION | MANUFACTURER | COLLECTION/PATTERN | COLOR | COMMENTS |
| FLOORING | 09 30 00 | MFT-1 | MOSAIC FLOOR TILE | DALTILE | KEYSTONES | MARBLE (2) D325 | SIZE: 1 BY 1 INCH; LOCATION: WRESTLING ROOM HALLWAY |
| FLOORING | 09 65 13 | VWB-1 | VINYL WALL BASE | TARKETT | COLORMATCH | 32 PEBBLE WG | SIZE: 4" COVE BASE IN COL. FORM. |
| FLOORING | 09 65 19 | LVT-1 | LUXURY VINYL TILE | MILLIKEN | LUMENOLOGY / LIGHT STITCH | LLS144 REVEAL | SIZE: 9.8 BY 39 INCHES; INSTALL: ASHLAR |
| FLOORING | 09 65 19 | LVT-2 | LUXURY VINYL TILE | MILLIKEN | LUMENOLOGY / LIGHT STITCH | LLS15 DIM | SIZE: 9.8 BY 39 INCHES; INSTALL: ASHLAR |
| FLOORING | 09 65 19 | LVT-3 | LUXURY VINYL TILE | MILLIKEN | LUMENOLOGY / REFLECTIVE | LRF6 DEFLECT | SIZE: 9.8 BY 39 INCHES; INSTALL: ASHLAR |
| FLOORING | 09 67 23.17 | RSF-1 | RESINOUS FLOORING | SHERWIN WILLIAMS | RESURFLOR DECO QUARTZ BC23 | METEOR SHOWER | INSTALL: RESTROOMS; WHERE INDICATED |
| FLOORING | 09 67 23.17 | RSFB-1 | RESINOUS FLOORING BASE | SHERWIN WILLIAMS | RESURFLOR DECO QUARTZ BC23 | METEOR SHOWER | INSTALL: RESTROOMS; WHERE INDICATED |
| FLOORING | 09 68 13 | CPT-1 | CARPET TILE | INTERFACE | SOFT GLOW | 107260 IRON POPPY | SIZE: 9.8 BY 39 INCHES; INSTALL: ASHLAR |
| FLOORING | 09 68 13 | WOC-1 | WALK-OFF CARPET | INTERFACE | STEP REPEAT / SR899 | 109411 GNYX | SIZE: 19.68 BY 19.68 INCHES; INSTALL: MONOLITHIC |
| FLOORING | 09 68 13 | CPT-2 | CARPET TILE | INTERFACE | CT101 | 103972 GNYX | SIZE: 19.68 BY 19.68; INSTALL: NON-DIRECTIONAL |
| FLOORING | 09 68 23.13 | CFC-1 | RESINOUS FLOORING | SHERWIN WILLIAMS | | CLEAR | LOCATION: PRINT SHOP |
| FLOORING | 09 68 23.13 | CFC-2 | RESINOUS FLOORING | SHERWIN WILLIAMS | | YELLOW | LOCATION: PRINT SHOP; COLOR STRIPING (YELLOW) |
| FURNISHINGS | 06 40 23 | PL-2 | PLASTIC LAMINATE | WILSONART | | COSMIC STRANDZ | LOCATION(S): RECEPTION DESKS |
| FURNISHINGS | 06 40 23 / 12 32 00 | PL-3 | PLASTIC LAMINATE | ARBORITE | | CHAMBRAY GRIS | LOCATION(S): RECEPTION DESKS, CASEWORK |
| FURNISHINGS | 10 21 23 | CC-1 | CUBICLE CURTAINS | ARCHITEX | RX 2012 | NUL | LOCATION(S): CLINIC |
| FURNISHINGS | 12 24 13 | RWS-1 | ROLLER WINDOW SHADES | SPRINGSWINDOWFASHIONS | TBD | TBD | LOCATION(S): WHERE INDICATED |
| FURNISHINGS | 12 32 00 | PL-1 | PLASTIC LAMINATE | WILSONART | | LIMBER MAPLE | LOCATION(S): GENERAL CASEWORK, RECEPTION DESKS |
| FURNISHINGS | 12 36 61.66 | SS-1 | SOLID SURFACE | CORIAN | | ASH CONCRETE | LOCATION(S): TECHNOLOGY HUB RECEPTION DESK |
| FURNISHINGS | 12 36 61.66 | SS-2 | SOLID SURFACE | WILSONART | | DUSK ICE | LOCATION(S): TRUE NORTH RECEPTION DESK; CLASSROOM CASEWORK; TECHNOLOGY HUB TRANSACTION COUNTER |
| SPECIALTY | 10 11 00 | TB-1 | TACK BOARD VISUAL DISPLAY | GUILFORD OF MAINE | FR701 | PEARL 481 | LOCATION(S): CLASSROOMS WHERE INDICATED |
| SPECIALTY | 12 26 00 | CG-1 | CORNER GUARD | SEE SPECIFICATION | SEE SPECIFICATION | SEE SPECIFICATION | -- |
| WALLS | 09 30 00 | CWT-1 | CERAMIC WALL TILE | DALTILE | COLOR WHEEL CLASSIC | ARCTIC WHITE 0190 | SIZE: 3 INCHES X 6 INCHES; INSTALL: STACKED; LOCATION(S): WHERE INDICATED |
| WALLS | 09 30 00 | CWT-2 | CERAMIC WALL TILE | DALTILE | COLOR WHEEL CLASSIC | DESERT GRAY X114 | SIZE: 3 INCHES X 6 INCHES; INSTALL: STACKED; LOCATION(S): WHERE INDICATED |
| WALLS | 09 30 00 | CWT-3 | CERAMIC WALL TILE | DALTILE | COLOR WHEEL CLASSIC | SUEDE GRAY 0182 | SIZE: 3 INCHES X 6 INCHES; INSTALL: STACKED; LOCATION(S): WHERE INDICATED |
| WALLS | 09 30 00 | CWT-4 | CERAMIC WALL TILE | DALTILE | COLOR WHEEL CLASSIC | CHALKBOARD 0180 | SIZE: 3 INCHES X 6 INCHES; INSTALL: STACKED; LOCATION(S): WHERE INDICATED |
| WALLS | 09 30 00 | CWT-5 | CERAMIC WALL TILE | CROSSVILLE | SNIPPET | LIPSTICK LEFT SNP23 10312L | SIZE: 3 INCHES X 12 INCHES; INSTALL: STACKED; LOCATION(S): OPERATIONS OFFICES RESTROOMS |
| WALLS | 09 30 00 | CWT-6 | CERAMIC WALL TILE | CROSSVILLE | SNIPPET | LIPSTICK RIGHT SNP23 10312R | SIZE: 3 INCHES X 12 INCHES; INSTALL: STACKED; LOCATION(S): OPERATIONS OFFICES RESTROOMS |
| WALLS | 09 72 00 | VWC-2 | VINYL WALL COVERING | MDC INTERIOR SOLUTIONS | ROXY | IN THE MIST | LOCATION(S): TRUE NORTH RECEPTION |
| WALLS | 09 72 00 | VWC-1 | VINYL WALL COVERING | LEVEL DIGITAL WALLCOVERINGS | CIRCUIT BOARD | L60304 GRENADINE | SIZE: TBD |
| WALLS | 09 72 00 | WF-1 | WINDOW FILM | LEVEL DIGITAL WALLCOVERINGS | STANDARD REPEAT WINDOW FILM / METRO GEO | -- | SIZE: 40" TALL X 120"; LOCATION(S): TECH HUB OFFICES |
| WALLS | 09 91 23.99 | P-1 | PAINT | SHERWIN WILLIAMS | -- | SW7631 CITY LOFT (GENERAL COLOR) | LOCATION(S): WHERE INDICATED |
| WALLS | 09 91 23.99 | P-2 | PAINT | SHERWIN WILLIAMS | -- | SW7017 DORIAN GRAY | LOCATION(S): WHERE INDICATED |
| WALLS | 09 91 23.99 | P-3 | PAINT | SHERWIN WILLIAMS | -- | SW7018 DOVETAIL (DARKER NEUTRAL) | LOCATION(S): WHERE INDICATED |
| WALLS | 09 91 23.99 | P-4 | PAINT | SHERWIN WILLIAMS (CUSTOM) | COLOR MATCH | CUSTOM COLOR (TRUE NORTH RED) | LOCATION(S): WHERE INDICATED |
| WALLS | 09 91 23.99 | P-5 | PAINT | SHERWIN WILLIAMS | -- | SW6258 TRICORN BLACK | LOCATION(S): WHERE INDICATED |
| WALLS | 09 96 00.99 | HP-1 | HIGH PERFORMANCE PAINT | SHERWIN WILLIAMS | -- | SW7631 CITY LOFT (GENERAL COLOR) | LOCATION(S): WHERE INDICATED |
| WALLS | 09 96 00.99 | HP-2 | HIGH PERFORMANCE PAINT | SHERWIN WILLIAMS | -- | SW7017 DORIAN GRAY | LOCATION(S): WHERE INDICATED |
| WALLS | 09 96 00.99 | HP-3 | HIGH PERFORMANCE PAINT | SHERWIN WILLIAMS | -- | SW7018 DOVETAIL (DARKER NEUTRAL) | LOCATION(S): DOOR FRAMES AND WHERE INDICATED |
| WALLS | 09 96 00.99 | HP-4 | HIGH PERFORMANCE PAINT | SHERWIN WILLIAMS (CUSTOM) | COLOR MATCH | CUSTOM COLOR (TRUE NORTH RED) | LOCATION(S): GYM STRIPING |
| WALLS | 09 96 00.99 | HP-5 | HIGH PERFORMANCE PAINT | SHERWIN WILLIAMS | -- | SW6258 TRICORN BLACK | LOCATION(S): GYM STRIPING |
| WALLS | 10 26 00 | FRP-1 | FIBER REINFORCED PANELS | MARLITE | SMOOTH | S 480N LIGHT GREY | LOCATION(S): KITCHEN |

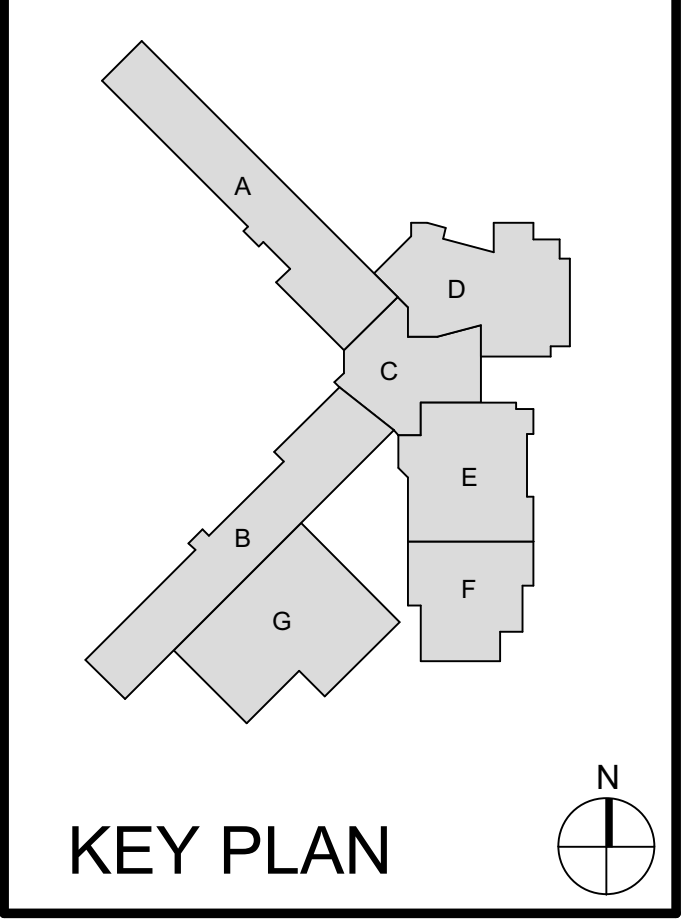


Project No. 2019-067.WSC
 Project Date 07.31.2024
 Produced LGK, LCB

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INTERIOR LEGENDS & SCHEDULES

DATE PLOTTED: 08/22/2024 10:00 AM
 PLOTTER: HP DesignJet T1300PS
 FILE: I:\Projects\2019-067.WSC\Drawings\I-601.dwg
 USER: LGK
 PLOTTER: HP DesignJet T1300PS

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GENERAL DEMOLITION NOTES

A. DARK DASHED LINES INDICATE EXISTING MECHANICAL EQUIPMENT, DUCTWORK, PIPING, AND/OR MECHANICAL ACCESSORIES 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.

B. CONTRACTOR GIVES OWNER FIRST RIGHTS OF REFUSAL ON ANY EXISTING EQUIPMENT 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. 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.

DEMOLITION COMBINED PLAN NOTES

NOTE

- 1 REMOVE CABINET UNIT HEATER.
- 2 REMOVE BRANCH OF DUCTWORK AND CONNECTED DIFFUSER. SEAL PENETRATIONS IN DUCT MAIN.
- 3 REMOVE EXHAUST SYSTEM COMPLETE, INCLUDING GRILLE, DUCTWORK, AND EF-A6 ON ROOF. CAP ROOF CURB.
- 4 REMOVE EXHAUST SYSTEM COMPLETE, INCLUDING GRILLE, DUCTWORK, AND EF-C5 ON ROOF. CAP ROOF CURB.
- 5 EXISTING EXHAUST RISER PENETRATION THROUGH ROOF TO BE REUSED. REMOVE EX. EF-F1 ON ROOF. REUSE ROOF CURB.
- 6 REMOVE RETURN GRILLE.
- 7 REMOVE STUB OF DUCT TO CONNECT TO NEW LOCATION. FIELD VERIFY LOCATION OF DEMOLITION AND SPECIFICALLY WHAT POINT TO REMOVE THE DUCT. TYPICAL OF SUPPLY DUCT BRANCHES CONNECTED TO MULTICONE IN UNIT G.
- 8 REMOVE FCU D-1 ABOVE CEILING. DISCONNECT AND REMOVE CONNECTED DUCTWORK AND PIPING AS NECESSARY. PREPARE TO REINSTALL TO NEW UNIT.
- 9 CAREFULLY REMOVE TSTAT FROM WALL. PREPARE FOR REINSTALLATION ON A FUTURE WALL.
- 10 UNINSTALL EXISTING CH-A1. REMOVE ALL VALVING ASSOCIATED WITH HEATER. DO NOT DAMAGE ANY EQUIPMENT. AS IT WILL BE REINSTALLED IN A DIFFERENT LOCATION.

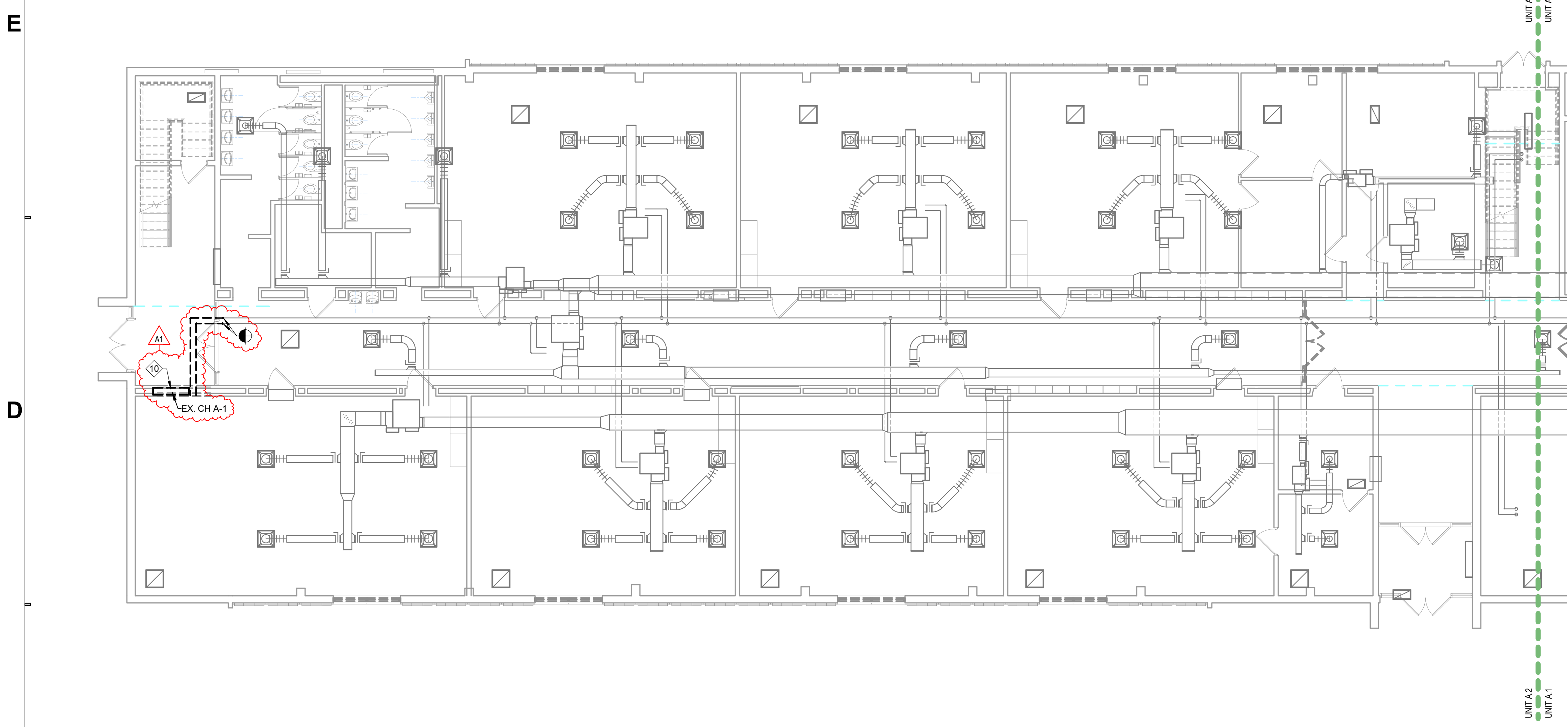


Project No. 2019-067.WSC
 Project Date 07.31.2024
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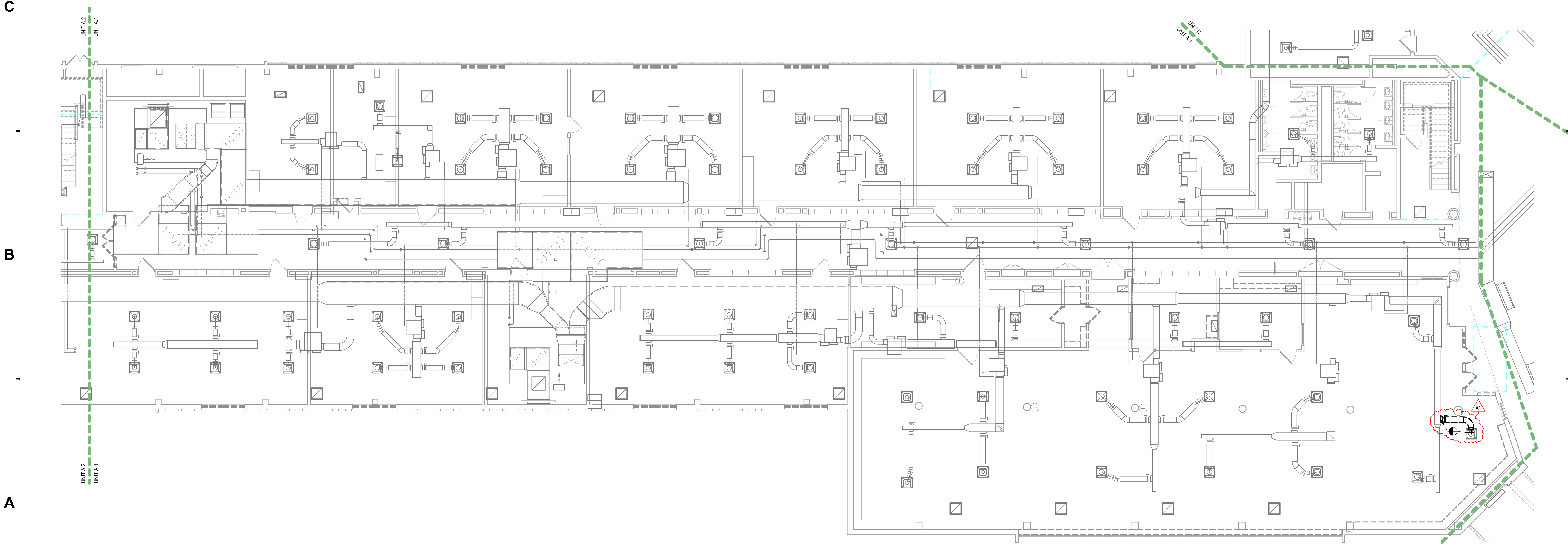


| # | Revision | Date |
|----|-------------|------------|
| A1 | ADDENDUM #1 | 08.22.2024 |

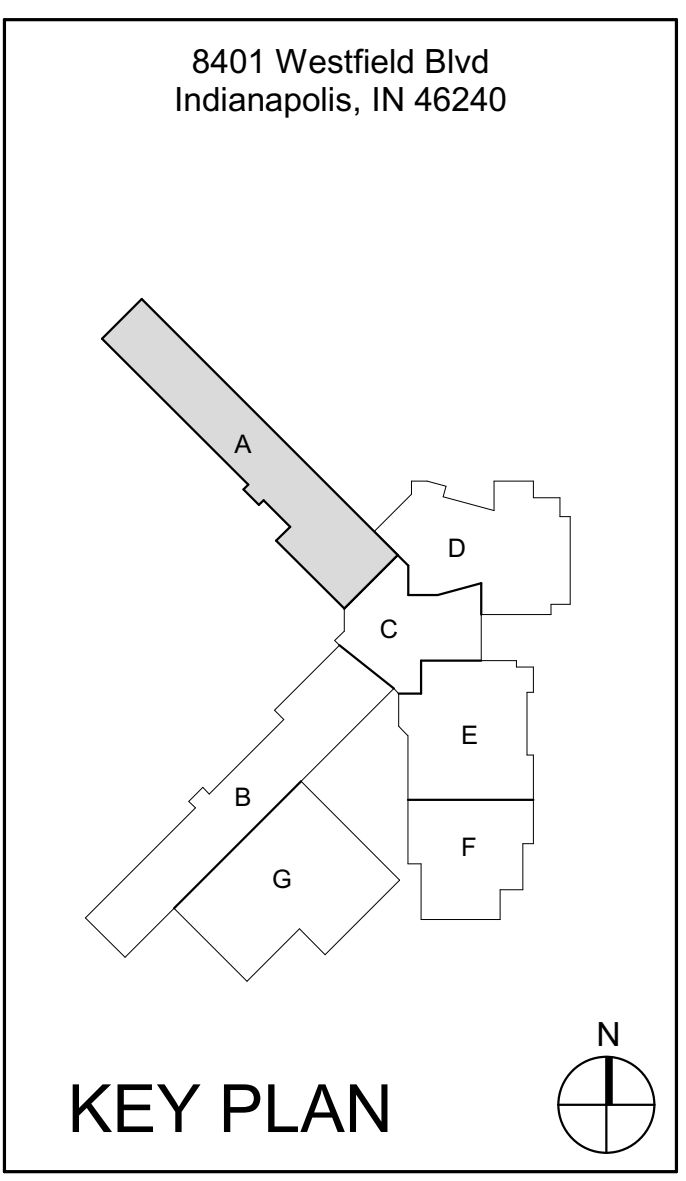
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3C FIRST FLOOR MECHANICAL DEMOLITION PLAN - UNIT A.2
 1/8" = 1'-0"



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



M.S.D. of Washington Township
 WASHINGTON TOWNSHIP SCHOOLS
 SERVICES CENTER RENOVATION - PHASE 6B

FIRST FLOOR DEMOLITION PLAN - UNIT A
 MD1A1

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GENERAL DEMOLITION NOTES

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DEMOLITION COMBINED PLAN NOTES

NOTE

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- 2 REMOVE BRANCH OF DUCTWORK AND CONNECTED DIFFUSER. SEAL PENETRATIONS IN DUCT MAIN.
- 3 REMOVE EXHAUST SYSTEM COMPLETE, INCLUDING GRILLE, DUCTWORK, AND EF-A6 ON ROOF. CAP ROOF CURB.
- 4 REMOVE EXHAUST SYSTEM COMPLETE, INCLUDING GRILLE, DUCTWORK, AND EF-C5 ON ROOF. CAP ROOF CURB.
- 5 EXISTING EXHAUST RISER PENETRATION THROUGH ROOF TO BE REUSED. REMOVE EX. EF-F1 ON ROOF. REUSE ROOF CURB.
- 6 REMOVE RETURN GRILLE.
- 7 REMOVE STUB OF DUCT TO CONNECT TO NEW LOCATION. FIELD VERIFY LOCATION OF DEMOLITION AND SPECIFICALLY WHAT POINT TO REMOVE THE DUCT. TYPICAL OF SUPPLY DUCT BRANCHES CONNECTED TO MULTIZONE IN UNIT S.
- 8 REMOVE FCU D-1 ABOVE CEILING. DISCONNECT AND REMOVE CONNECTED DUCTWORK AND PIPING AS NECESSARY. PREPARE TO REINSTALL TO NEW UNIT.
- 9 CAREFULLY REMOVE TSTAT FROM WALL. PREPARE FOR REINSTALLATION ON A FUTURE WALL.
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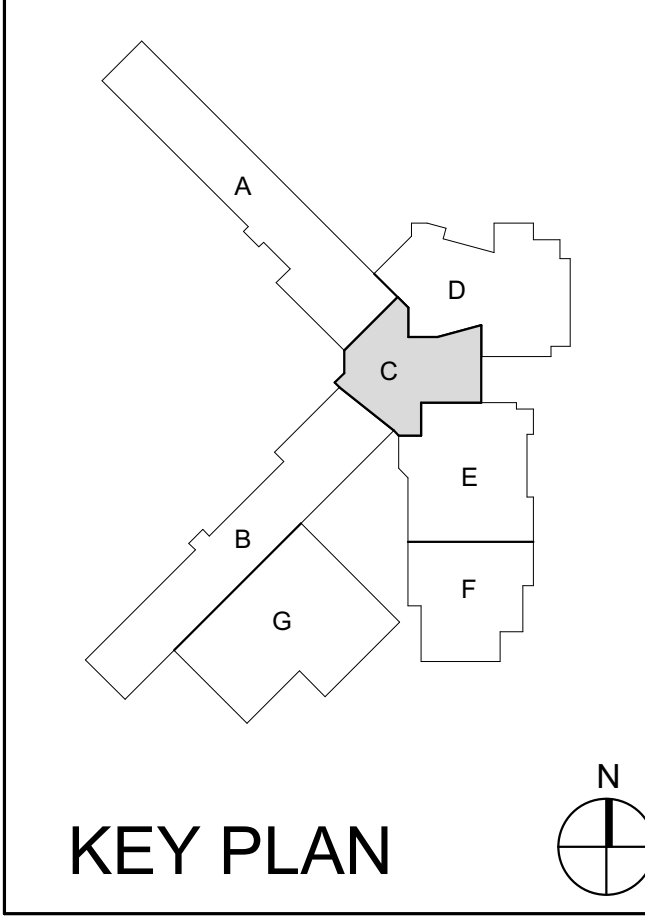


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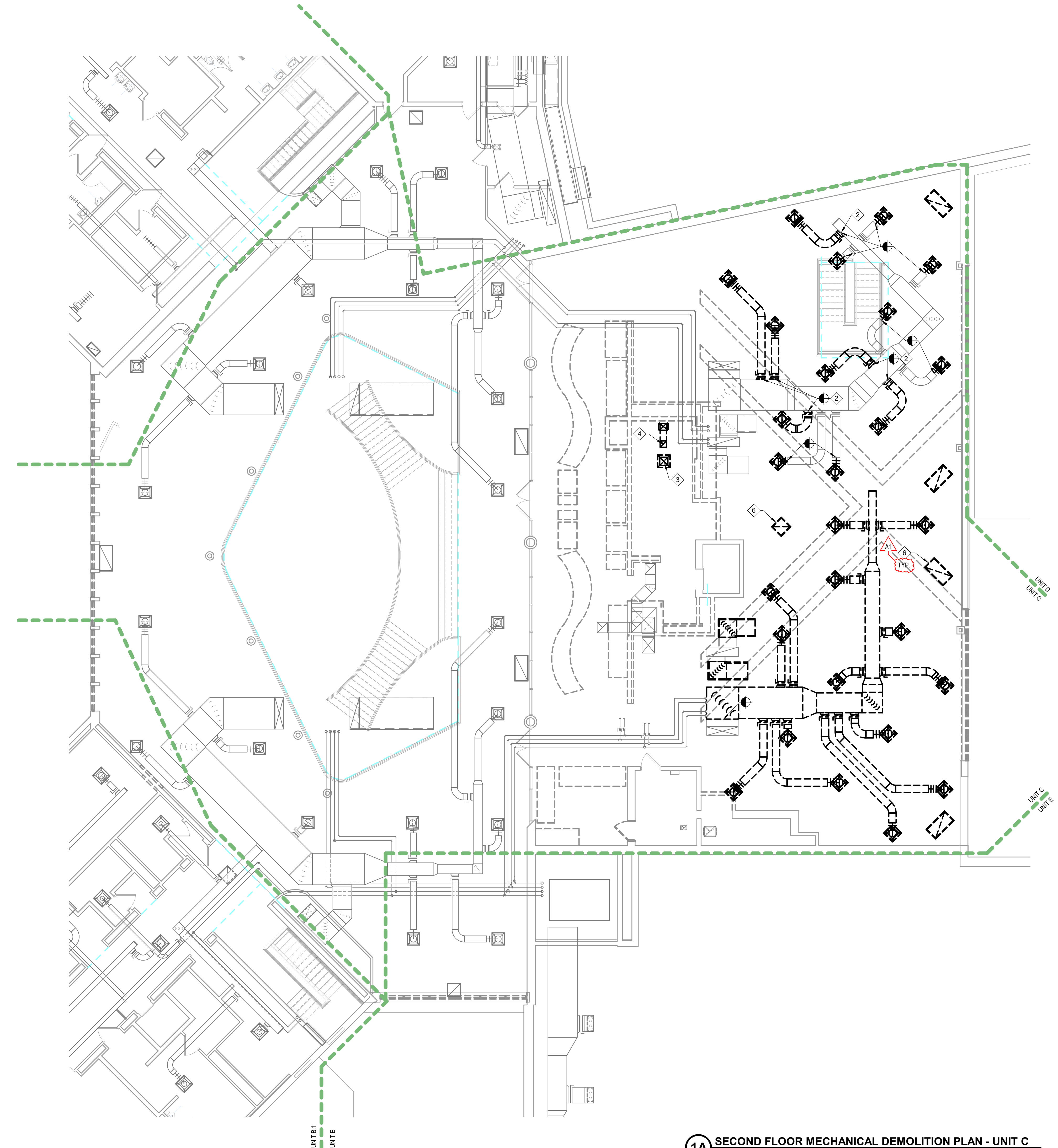
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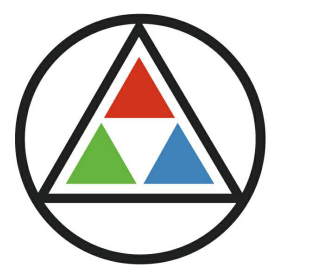
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 WASHINGTON TOWNSHIP SCHOOLS
 SERVICES CENTER RENOVATION - PHASE 6B

SECOND FLOOR DEMOLITION PLAN - UNIT C
 MD1C2



1A SECOND FLOOR MECHANICAL DEMOLITION PLAN - UNIT C
 1/8" = 1'-0"

MODEL: 20240822-10:00:00 AM
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 PLOT DATE: 08/22/2024 10:00:00 AM
 PLOT BY: PFS



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ASSOCIATES

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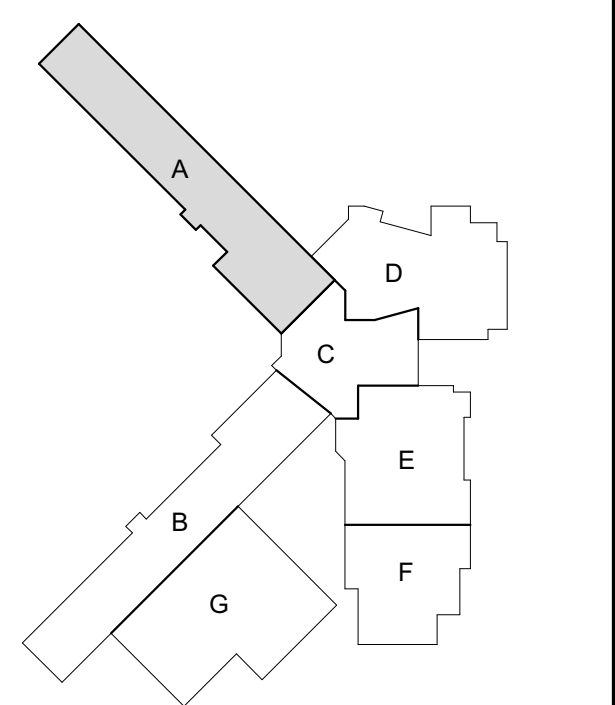
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Indianapolis, IN 46240



KEY PLAN

M.S.D. of Washington
Township



WASHINGTON
TOWNSHIP SCHOOLS

**SERVICES
CENTER
RENOVATION -
PHASE 6B**

**FIRST FLOOR HVAC PLAN
- UNIT A**

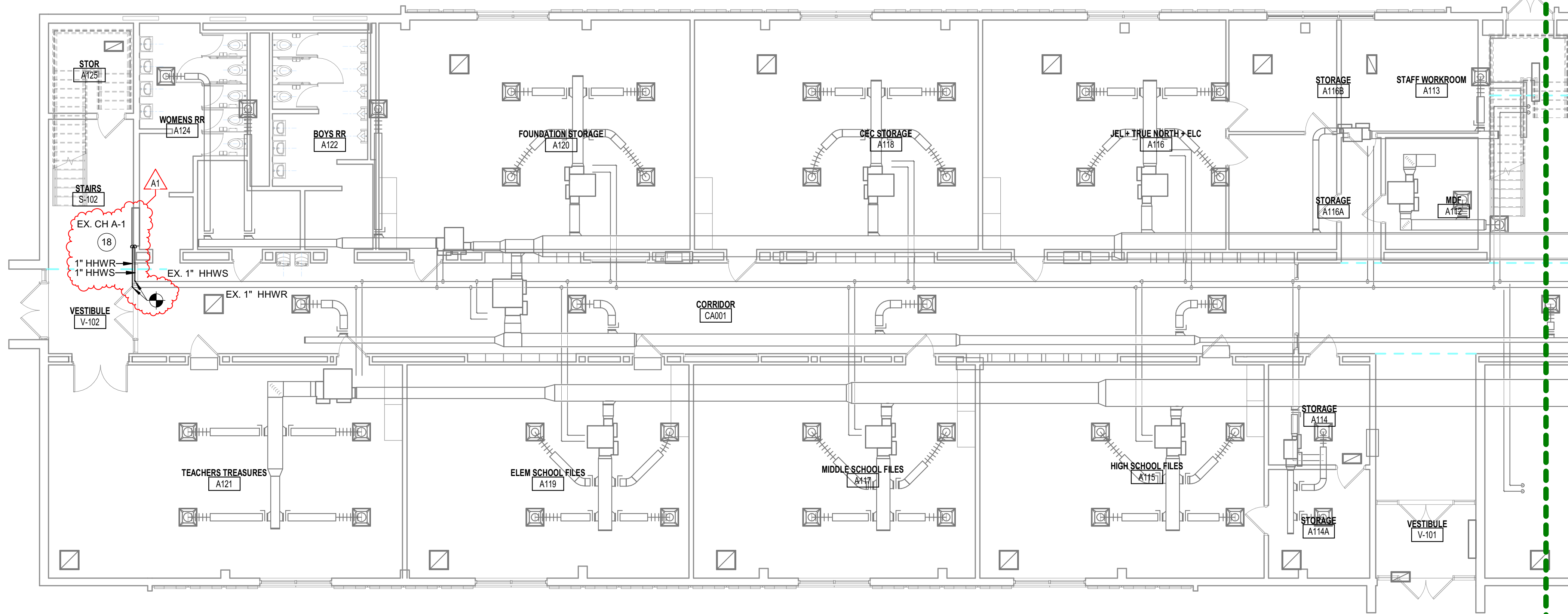
MH1A1

GENERAL HVAC NOTES

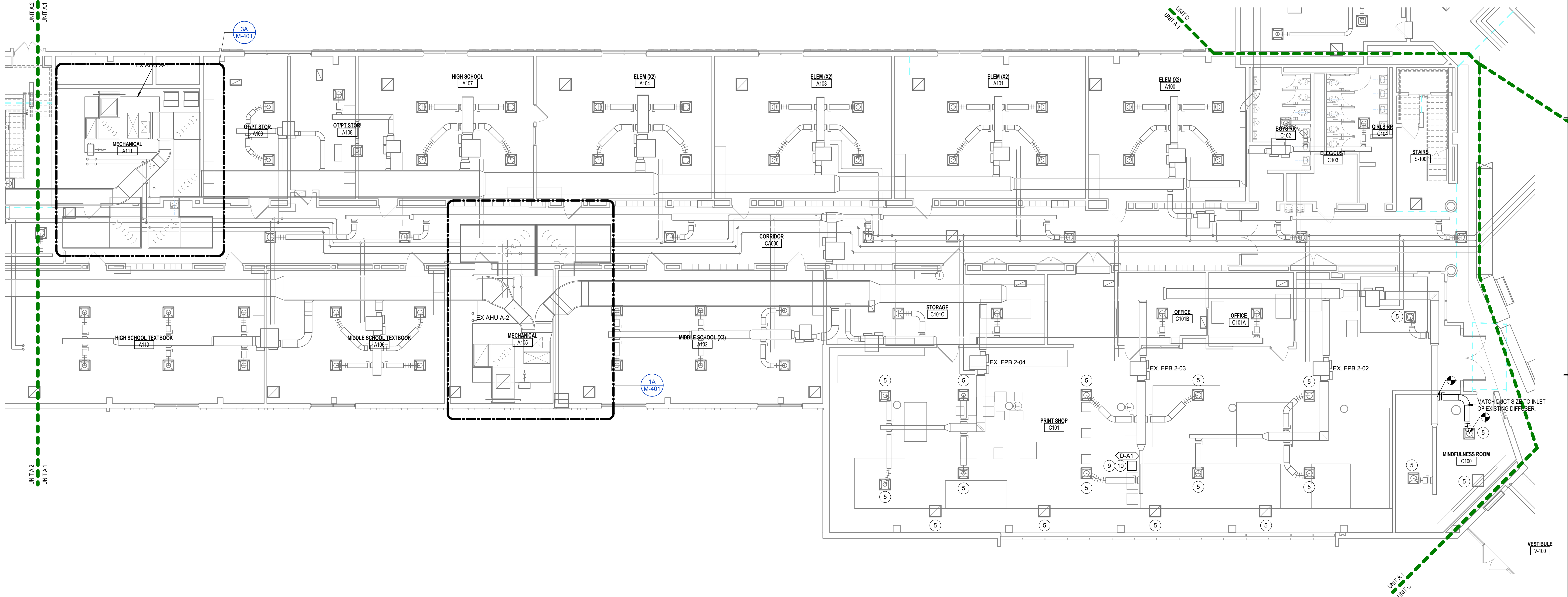
- DARK LINES INDICATE NEW WORK.
- LIGHT SOLID LINES INDICATE EXISTING MECHANICAL EQUIPMENT, DUCTWORK, PIPING, AND/OR MECHANICAL ACCESSORIES TO REMAIN AS-IS. CONTRACTOR TO FIELD VERIFY ACTUAL EXISTING CONDITIONS PRIOR TO BIDDING.
- IN AREAS OF ARCHITECTURAL, CEILING REPLACEMENT OR ADJUSTMENTS, CLEAN AND ADJUST EXISTING MECHANICAL DIFFUSERS, REGISTERS, AND/OR GRILLES TO NEW CEILING GRID. TYPICAL OF ALL AREAS WITH CEILINGS THAT HAVE BEEN ALTERED IN THIS PHASE.

MECHANICAL HVAC PLAN NOTES

- | # | NOTE |
|----|--|
| 1 | RECONNECT TO EXISTING DUCT AND EXISTING PIPING INCLUDING CONDENSATE. |
| 2 | TRANSITION FROM EXISTING TO NEW DUCT AS NECESSARY. |
| 3 | INLINE DEF-G1. GOOSENECK ON ROOF. |
| 4 | LIFT TO EF-G2 ON ROOF. |
| 5 | ALIGN EXISTING CEILING DIFFUSERS TO NEW CEILING GRID. |
| 6 | RELOCATED EXISTING TSTAT FOR ZONE SERVING NEW ADMIN SPACE FROM AHU-F2. |
| 7 | ZONE TO SERVE NEW ADMIN AREA. EXISTING PROGRAMMING UTILIZES SPACE TEMPERATURE SENSOR FOR AVERAGING. SUT CONTROLS TO RETURN AIR TEMPERATURE. |
| 8 | LIFT TO EF-G3 ON ROOF. VOLUME DAMPER IN VERTICAL DUCTWORK. |
| 9 | ROUTE CONDENSATE TO ADJACENT FLOOR DRAIN. |
| 10 | ADAPT POWER AS REQUIRED. |
| 11 | CONNECT EXISTING 3/4" HHWS/HHWR PIPES TO CH E-18. SEE DETAIL 2AM-601. |
| 12 | REFRIGERANT SUPPLY/RETURN ROUTING MERELY A SUGGESTION. SIZE, ROUTE, AND INSTALL PER MANUFACTURER'S RECOMMENDATIONS. |
| 13 | PUMP 3/4" CONDENSATE TO MOP SINK. |
| 14 | ENSURE 10' MINIMUM DISTANCE FROM CONDENSING UNIT TO ANY EXHAUST FAN. |
| 15 | RELOCATED EXISTING TSTAT FOR SPACE. |
| 16 | EXISTING DRUM COVER TO REMAIN. ENSURE STRUCTURAL SUPPORT AFTER CEILING IS REMOVED AND DUCT IS EXPOSED. |
| 17 | SPLIT SYSTEM TO BE ON EMERGENCY POWER. |
| 18 | CH A-1 IS AN EXISTING WALL RECESSED. RELOCATED UNIT. EXTEND NEW PIPING TO NEW LOCATION OF HEATER. RELIEF HEATER VALVING. AFTER INSTALLATION OF UNIT, PATCH SURROUNDING WALL TO MATCH IN EVERY RESPECT. |

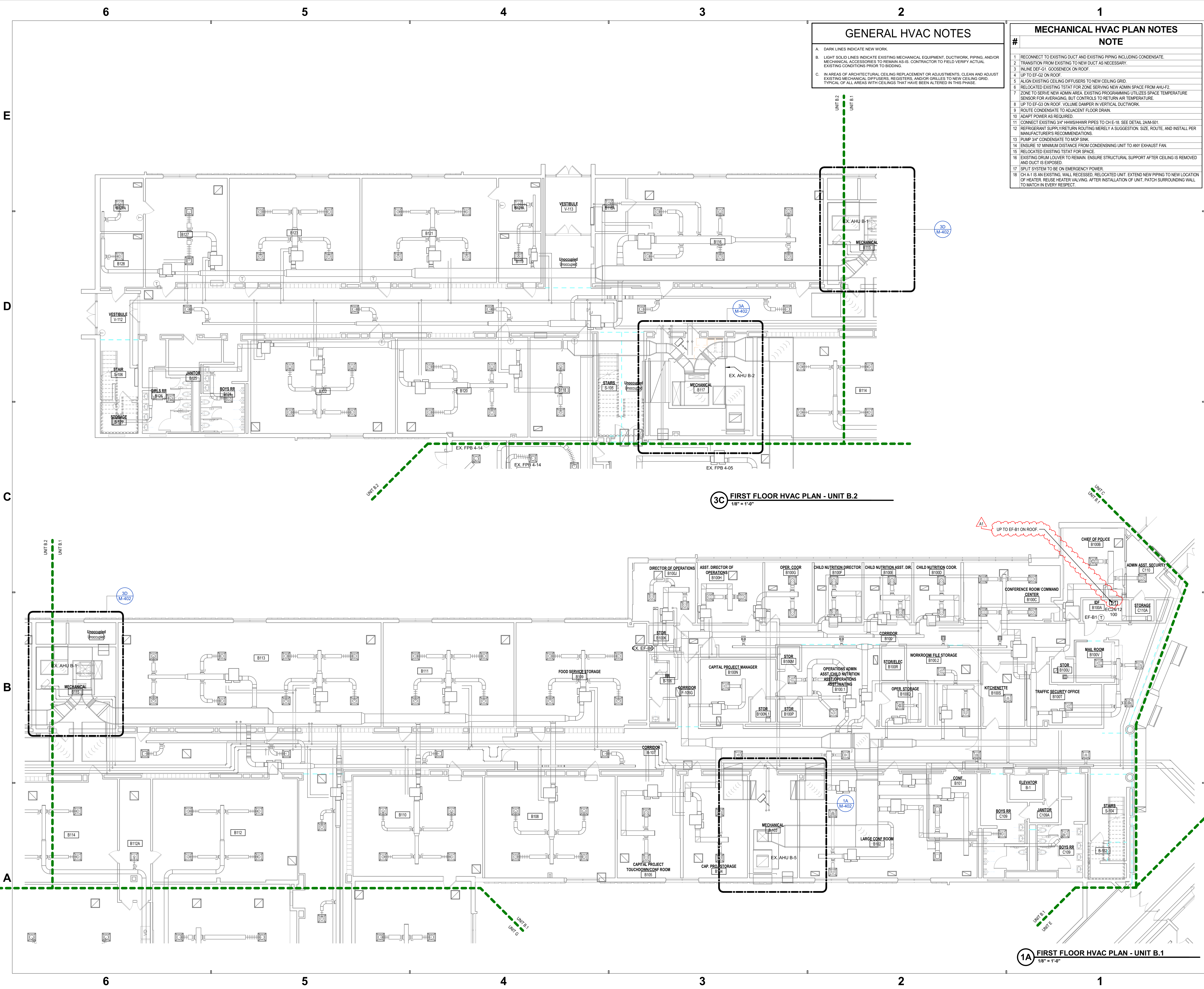


3C FIRST FLOOR HVAC PLAN - UNIT A.2
1/8" = 1'-0"



3A FIRST FLOOR HVAC PLAN - UNIT A.1
1/8" = 1'-0"

DATE PLOTTED: 08/22/2024 10:58 AM
DRAWING FILE: C:\Projects\2019-067.WSC\Drawings\3A-01-01.dwg
SCALE: AS SHOWN
PLOTTER: HP DesignJet T1100PS
PLOTTER DRIVER: HP-GL/PS-LE



GENERAL HVAC 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. IN AREAS OF ARCHITECTURAL CEILING REPLACEMENT OR ADJUSTMENTS, CLEAN AND ADJUST EXISTING MECHANICAL DIFFUSERS, REGISTERS, AND/OR GRILLES TO NEW CEILING GRID. TYPICAL OF ALL AREAS WITH CEILINGS THAT HAVE BEEN ALTERED IN THIS PHASE.

- MECHANICAL HVAC PLAN NOTES**
- | # | NOTE |
|----|---|
| 1 | RECONNECT TO EXISTING DUCT AND EXISTING PIPING INCLUDING CONDENSATE. |
| 2 | TRANSITION FROM EXISTING TO NEW DUCT AS NECESSARY. |
| 3 | INLINE DEF-G1. GOOSENECK ON ROOF. |
| 4 | UP TO EF-G2 ON ROOF. |
| 5 | ALIGN EXISTING CEILING DIFFUSERS TO NEW CEILING GRID. |
| 6 | RELOCATED EXISTING TSTAT FOR ZONE SERVING NEW ADMIN SPACE FROM AHU-F2. |
| 7 | ZONE TO SERVE NEW ADMIN AREA. EXISTING PROGRAMMING UTILIZES SPACE TEMPERATURE SENSOR FOR AVERAGING. SBT CONTROLS TO RETURN AIR TEMPERATURE. |
| 8 | UP TO EF-G3 ON ROOF. VOLUME DAMPER IN VERTICAL DUCTWORK. |
| 9 | ROUTE CONDENSATE TO ADJACENT FLOOR DRAIN. |
| 10 | ADAPT POWER AS REQUIRED. |
| 11 | CONNECT EXISTING 3/4" HHWSHHWR PIPES TO CH E-18. SEE DETAIL 2AM-601. |
| 12 | REFRIGERANT SUPPLY/RETURN ROUTING MERELY A SUGGESTION. SIZE, ROUTE, AND INSTALL PER MANUFACTURER'S RECOMMENDATIONS. |
| 13 | PUMP 3/4" CONDENSATE TO MOP SINK. |
| 14 | ENSURE 10' MINIMUM DISTANCE FROM CONDENSING UNIT TO ANY EXHAUST FAN. |
| 15 | RELOCATED EXISTING TSTAT FOR SPACE. |
| 16 | EXISTING DRUM COVER TO REMAIN. ENSURE STRUCTURAL SUPPORT AFTER CEILING IS REMOVED AND DUCT IS EXPOSED. |
| 17 | SPLIT SYSTEM TO BE ON EMERGENCY POWER. |
| 18 | CH A: IS AN EXISTING WALL RECESSED. RELOCATED UNIT. EXTEND NEW PIPING TO NEW LOCATION OF HEATER. RELIEF HEATER VALVING. AFTER INSTALLATION OF UNIT, PATCH SURROUNDING WALL TO MATCH IN EVERY RESPECT. |

3C FIRST FLOOR HVAC PLAN - UNIT B.2
1/8" = 1'-0"

1A FIRST FLOOR HVAC PLAN - UNIT B.1
1/8" = 1'-0"

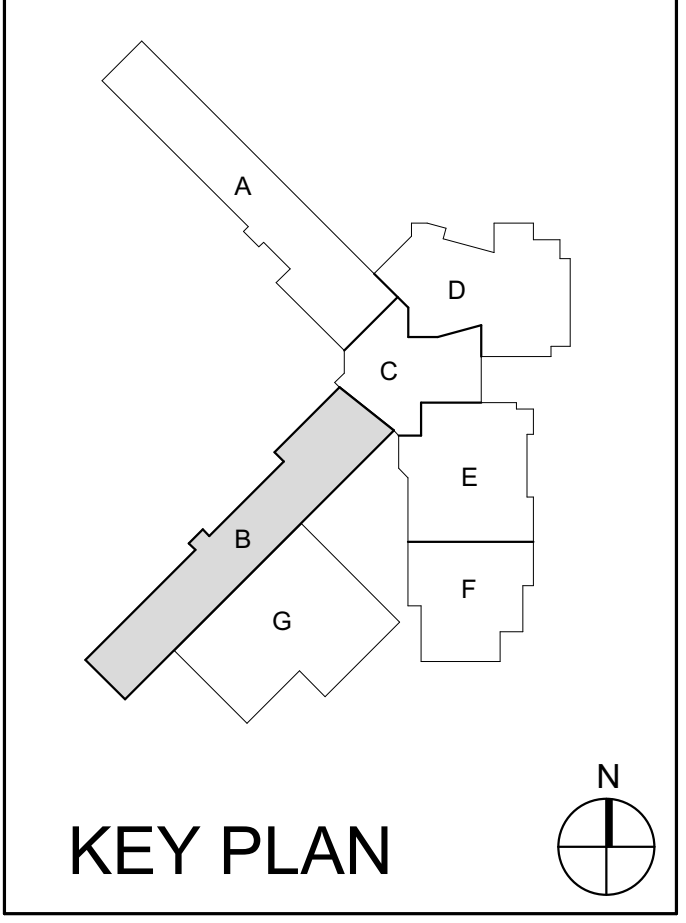
SCHMIDT ASSOCIATES
415 Massachusetts Avenue
Indianapolis, IN 46204
www.schmidt-arch.com

Project No. 2019-067.WSC
Project Date 07.31.2024
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Sarah K. Hempstead
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| A1 | ADDENDUM #1 | 08.22.2024 |

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Indianapolis, IN 46240



M.S.D. of Washington Township

SERVICES CENTER RENOVATION - PHASE 6B

FIRST FLOOR HVAC PLAN - UNIT B

MH1B1

DATE PLOTTED: 08/22/2024 11:14 AM
DRAWING FILE PATH: C:\projects\2019-067.WSC\Drawings\01-MECHANICAL\01-MECHANICAL\1A-FIRST FLOOR HVAC PLAN - UNIT B.1.rvt
PLOTTER: HP DesignJet 4450 Series
PLOT SCALE: 1/8" = 1'-0"

GENERAL HVAC 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. IN AREAS OF ARCHITECTURAL, CEILING REPLACEMENT OR ADJUSTMENTS, CLEAN AND ADJUST EXISTING MECHANICAL DIFFUSERS, REGISTERS, AND/OR GRILLES TO NEW CEILING GRID. TYPICAL OF ALL AREAS WITH CEILINGS THAT HAVE BEEN ALTERED IN THIS PHASE.

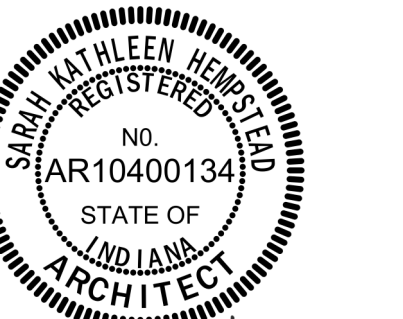
MECHANICAL HVAC PLAN NOTES

- | # | NOTE |
|----|---|
| 1 | RECONNECT TO EXISTING DUCT AND EXISTING PIPING INCLUDING CONDENSATE. |
| 2 | TRANSITION FROM EXISTING TO NEW DUCT AS NECESSARY. |
| 3 | INLINE DEF-G1, GOOSENECK ON ROOF. |
| 4 | UP TO EF-G2 ON ROOF. |
| 5 | ALIGN EXISTING CEILING DIFFUSERS TO NEW CEILING GRID. |
| 6 | RELOCATED EXISTING TSTAT FOR ZONE SERVING NEW ADMIN SPACE FROM AHU-F2. |
| 7 | ZONE TO SERVE NEW ADMIN AREA. EXISTING PROGRAMMING UTILIZES SPACE TEMPERATURE SENSOR FOR AVERAGING. SUT CONTROLS TO RETURN AIR TEMPERATURE. |
| 8 | UP TO EF-G3 ON ROOF. VOLUME DAMPER IN VERTICAL DUCTWORK. |
| 9 | ROUTE CONDENSATE TO ADJACENT FLOOR DRAIN. |
| 10 | ADAPT POWER AS REQUIRED. |
| 11 | CONNECT EXISTING 3/4" HHWSHHRV PIPES TO CH E-18. SEE DETAIL 2AM-601. |
| 12 | REFRIGERANT SUPPLY/RETURN ROUTING MERELY A SUGGESTION. SIZE, ROUTE, AND INSTALL PER MANUFACTURER'S RECOMMENDATIONS. |
| 13 | PUMP 3/4" CONDENSATE TO MOP SINK. |
| 14 | ENSURE 10' MINIMUM DISTANCE FROM CONDENSING UNIT TO ANY EXHAUST FAN. |
| 15 | RELOCATED EXISTING TSTAT FOR SPACE. |
| 16 | EXISTING DRAIN COVER TO REMAIN. ENSURE STRUCTURAL SUPPORT AFTER CEILING IS REMOVED AND DUCT IS EXPOSED. |
| 17 | SPLIT SYSTEM TO BE ON EMERGENCY POWER. |
| 18 | CH A-1 IS AN EXISTING WALL RECESSED. RELOCATED UNIT. EXTEND NEW PIPING TO NEW LOCATION OF HEATER. RELEASE HEATER VALVING. AFTER INSTALLATION OF UNIT, PATCH SURROUNDING WALL TO MATCH IN EVERY RESPECT. |



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 Indianapolis, IN 46204
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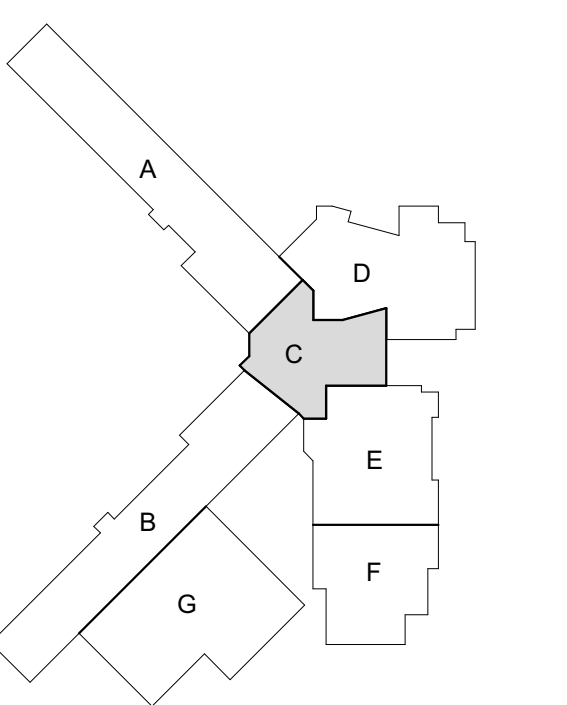
Project No. **2019-067.WSC**
 Project Date **07.31.2024**
 Produced **PS**



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KEY PLAN

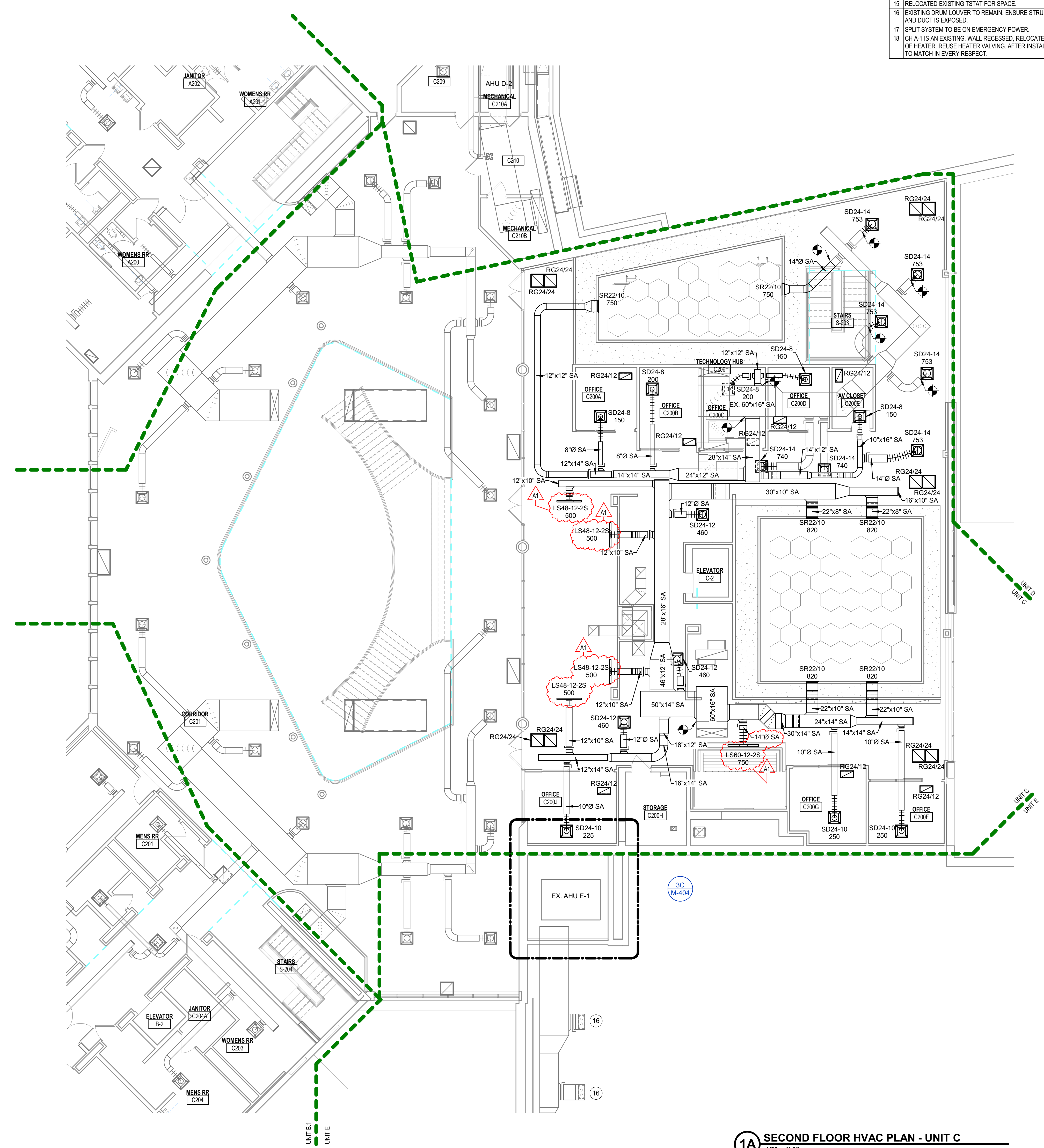
M.S.D. of Washington Township



SERVICES CENTER RENOVATION - PHASE 6B

SECOND FLOOR HVAC PLAN - UNIT C

MH1C2



1A SECOND FLOOR HVAC PLAN - UNIT C
 1/8" = 1'-0"

WORK: 20240728.MH1C2.PLAN UNIT C
 DRAWING TITLE: SECOND FLOOR RENOVATION - PHASE 6B
 PROJECT: SERVICES CENTER RENOVATION - PHASE 6B
 SHEET: MH1C2
 DATE: 08/22/2024

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GENERAL HVAC NOTES

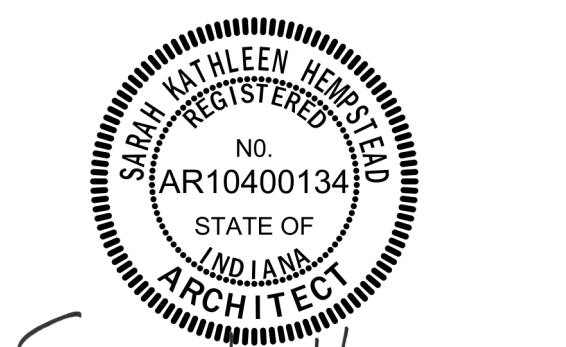
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MECHANICAL HVAC PLAN NOTES

| # | NOTE |
|----|---|
| 1 | RECONNECT TO EXISTING DUCT AND EXISTING PIPING INCLUDING CONDENSATE. |
| 2 | TRANSITION FROM EXISTING TO NEW DUCT AS NECESSARY. |
| 3 | INLINE DEF-GT GOOSENECK ON ROOF. |
| 4 | LIFT TO EF-G2 ON ROOF. |
| 5 | ALIGN EXISTING CEILING DIFFUSERS TO NEW CEILING GRID. |
| 6 | RELOCATED EXISTING TSTAT FOR ZONE SERVING NEW ADMIN SPACE FROM AHU-F2. |
| 7 | ZONE TO SERVE NEW ADMIN AREA. EXISTING PROGRAMMING UTILIZES SPACE TEMPERATURE SENSOR FOR AVERAGING. SBT CONTROLS TO RETURN AIR TEMPERATURE. |
| 8 | LIFT TO EF-G3 ON ROOF. VOLUME DAMPER IN VERTICAL DUCTWORK. |
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| 18 | CH A-1 IS AN EXISTING WALL RECESSED. RELOCATED UNIT. EXTEND NEW PIPING TO NEW LOCATION OF HEATER. REUSE HEATER VALVING. AFTER INSTALLATION OF UNIT, PATCH SURROUNDING WALL TO MATCH IN EVERY RESPECT. |



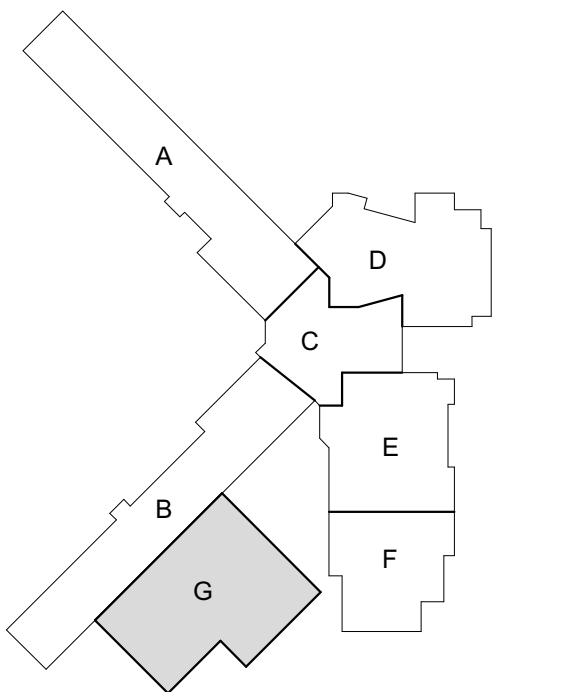
Project No. 2019-067.WSC
 Project Date 07.31.2024
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| A1 | ADDENDUM #1 | 08.22.2024 |

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KEY PLAN

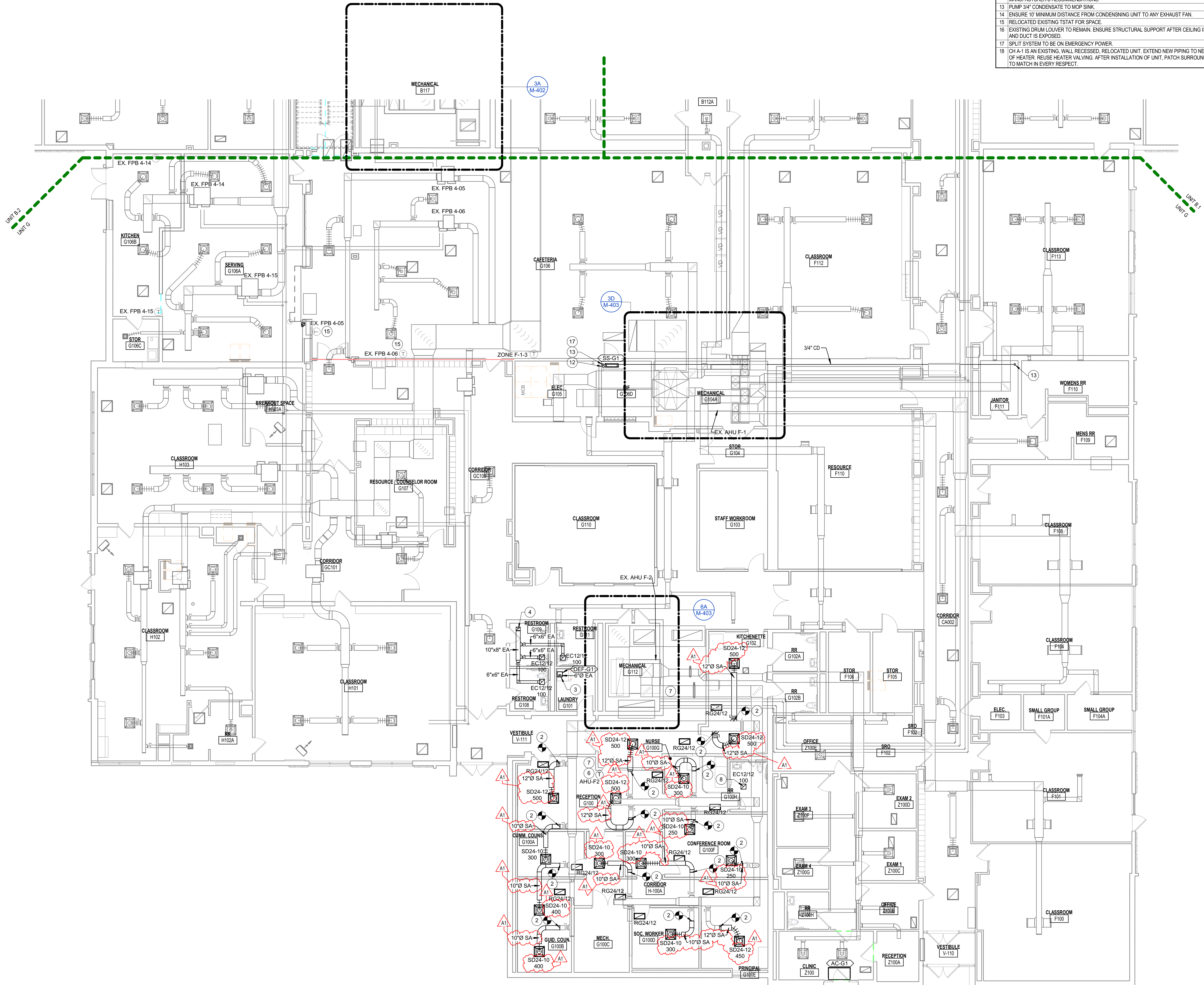
M.S.D. of Washington Township



SERVICES CENTER RENOVATION - PHASE 6B

FIRST FLOOR HVAC PLAN - UNIT G

MH1G1



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

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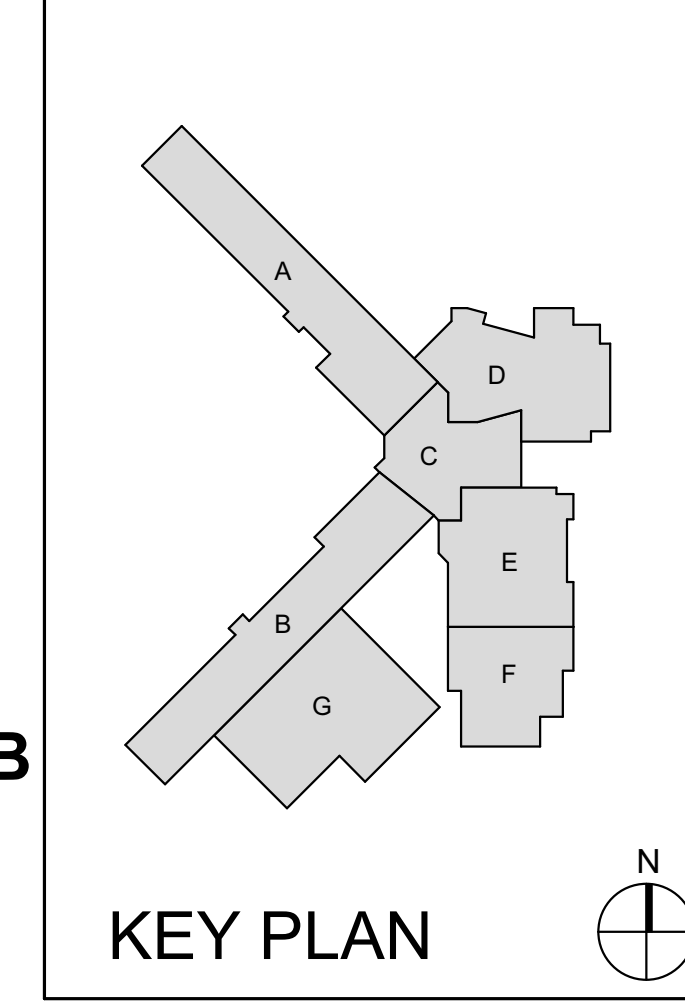
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| # | Revision | Date |
|----|-------------|------------|
| A1 | ADDENDUM #1 | 08.22.2024 |

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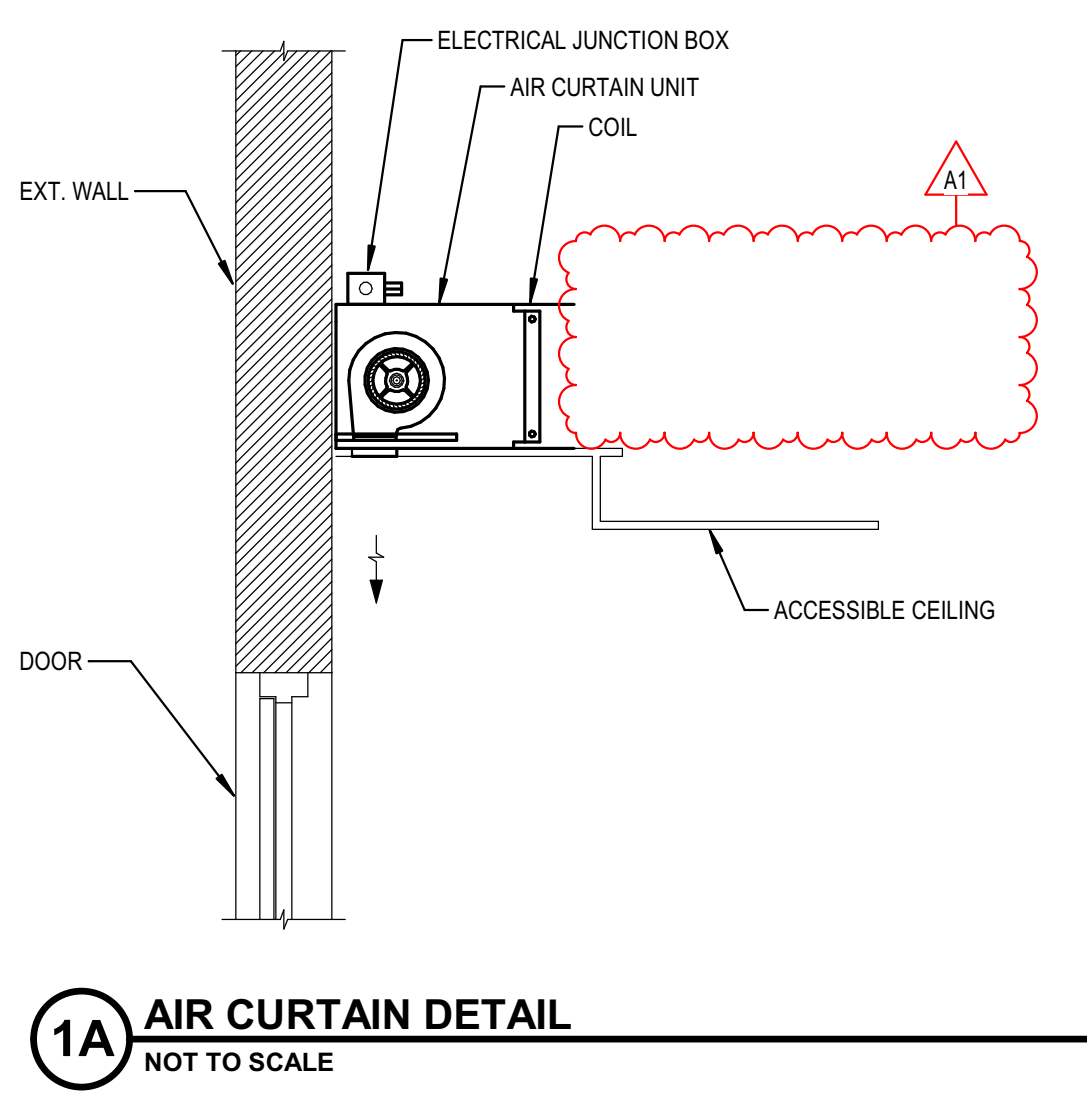
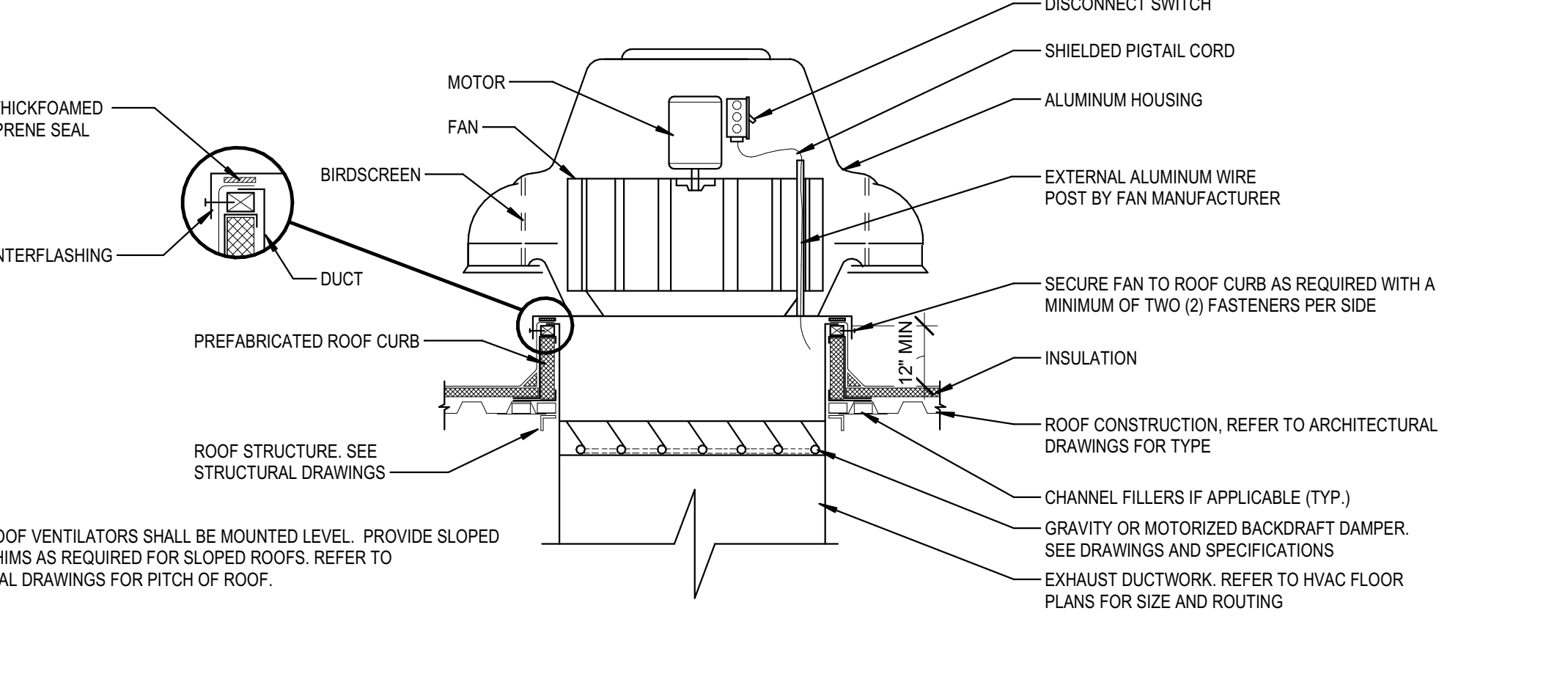
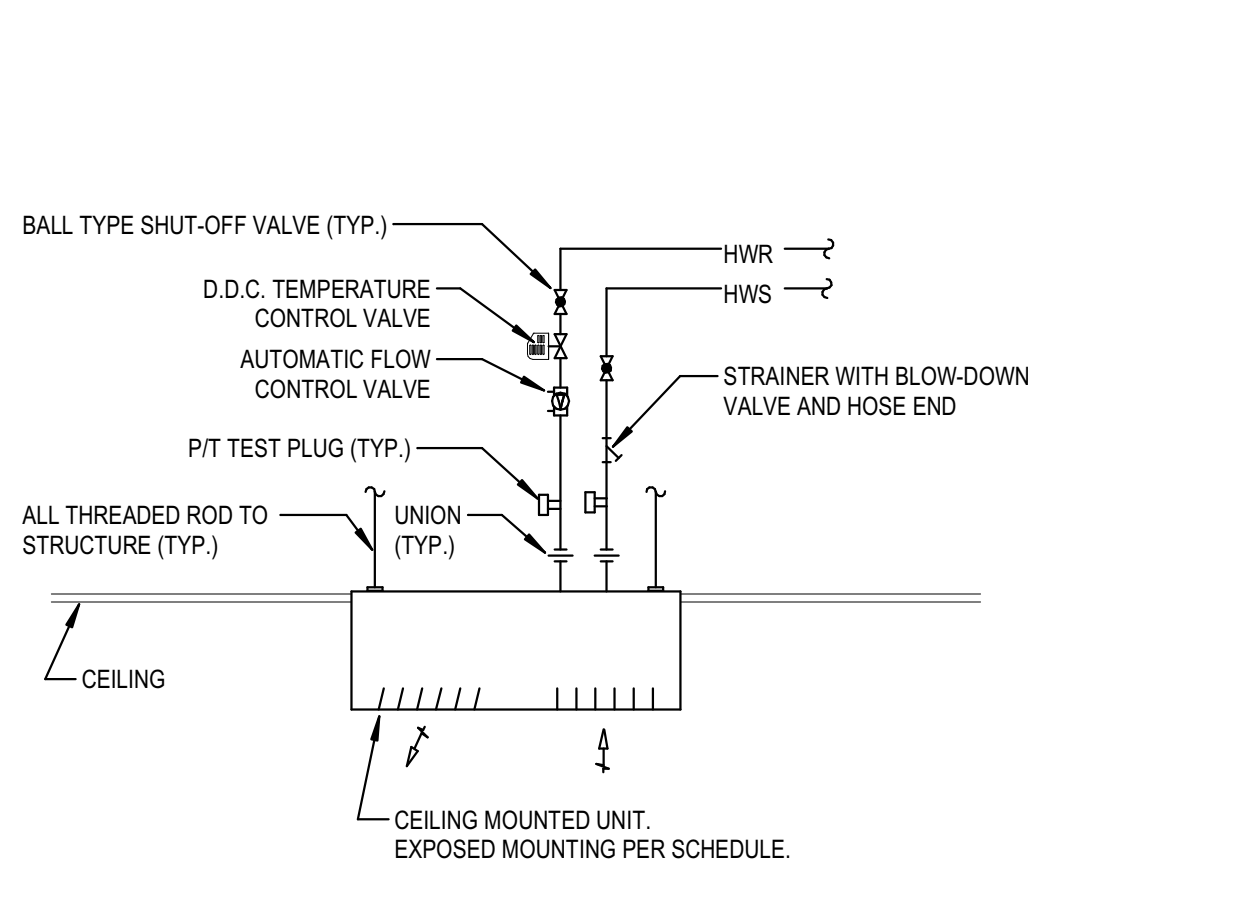
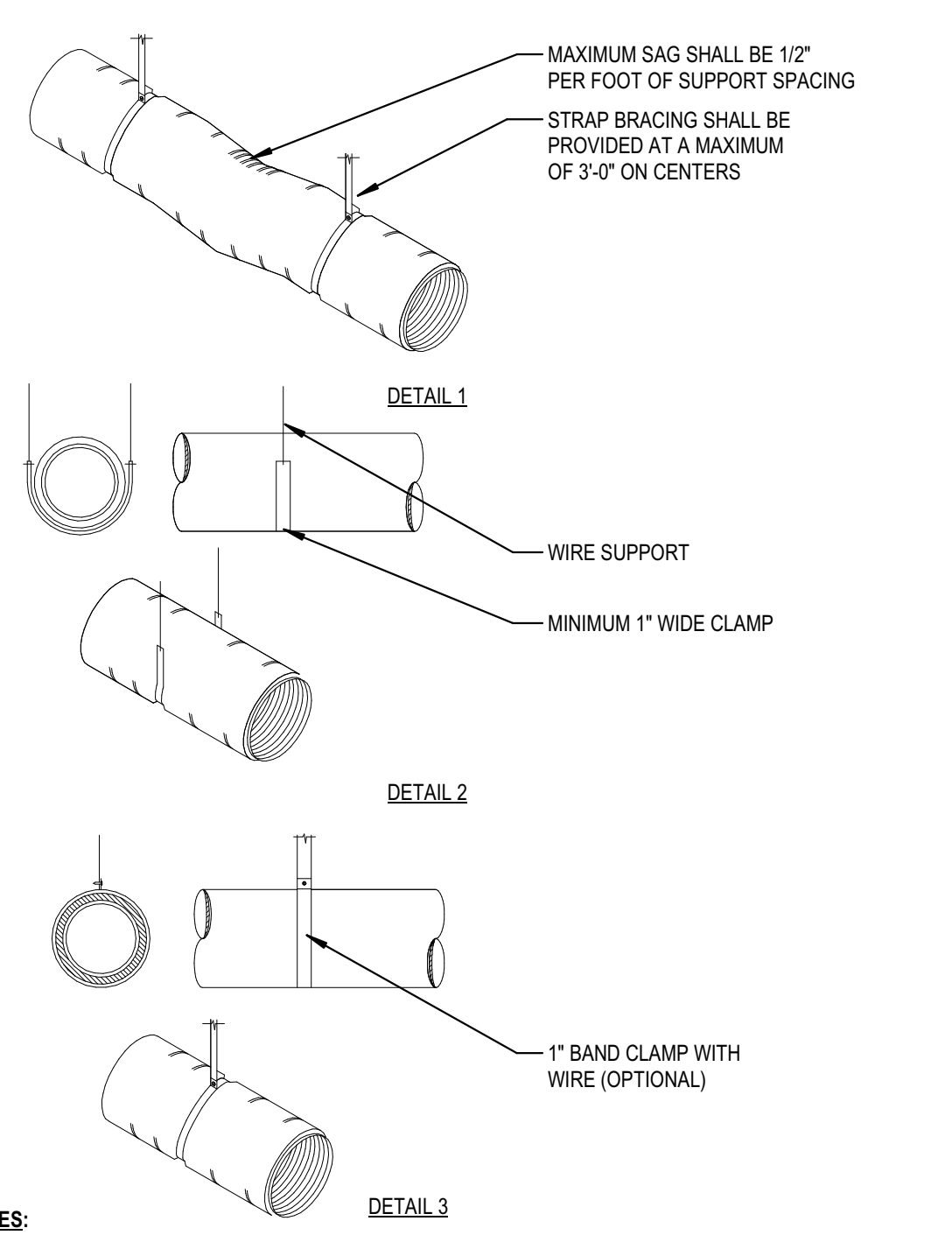
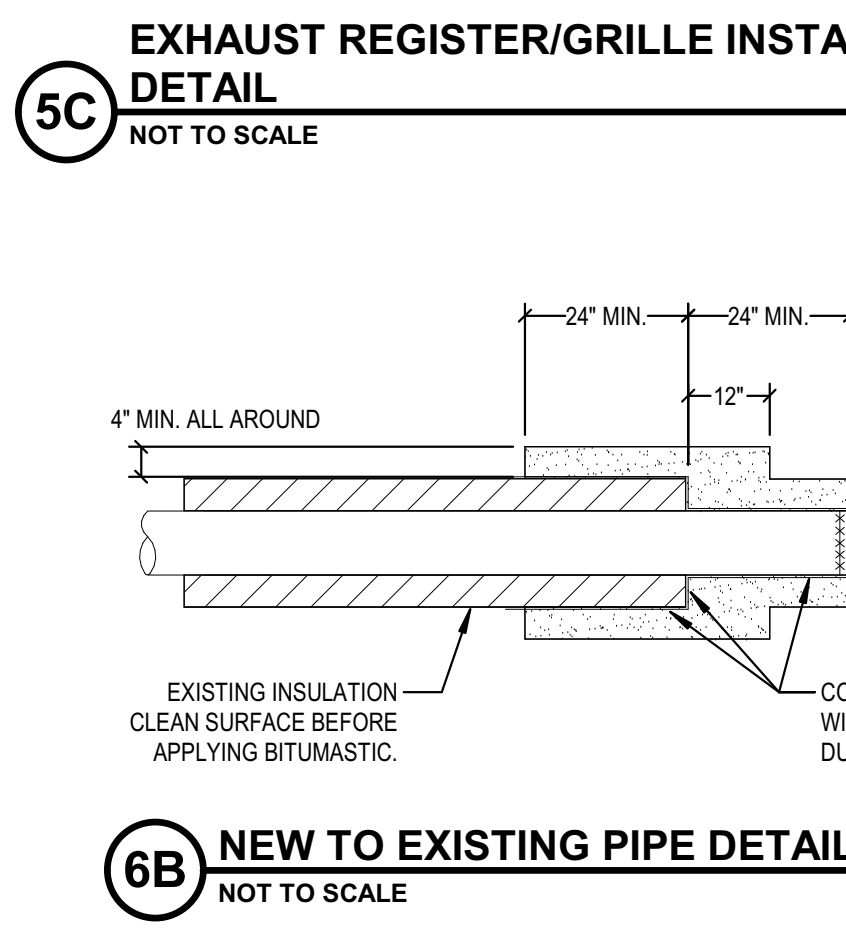
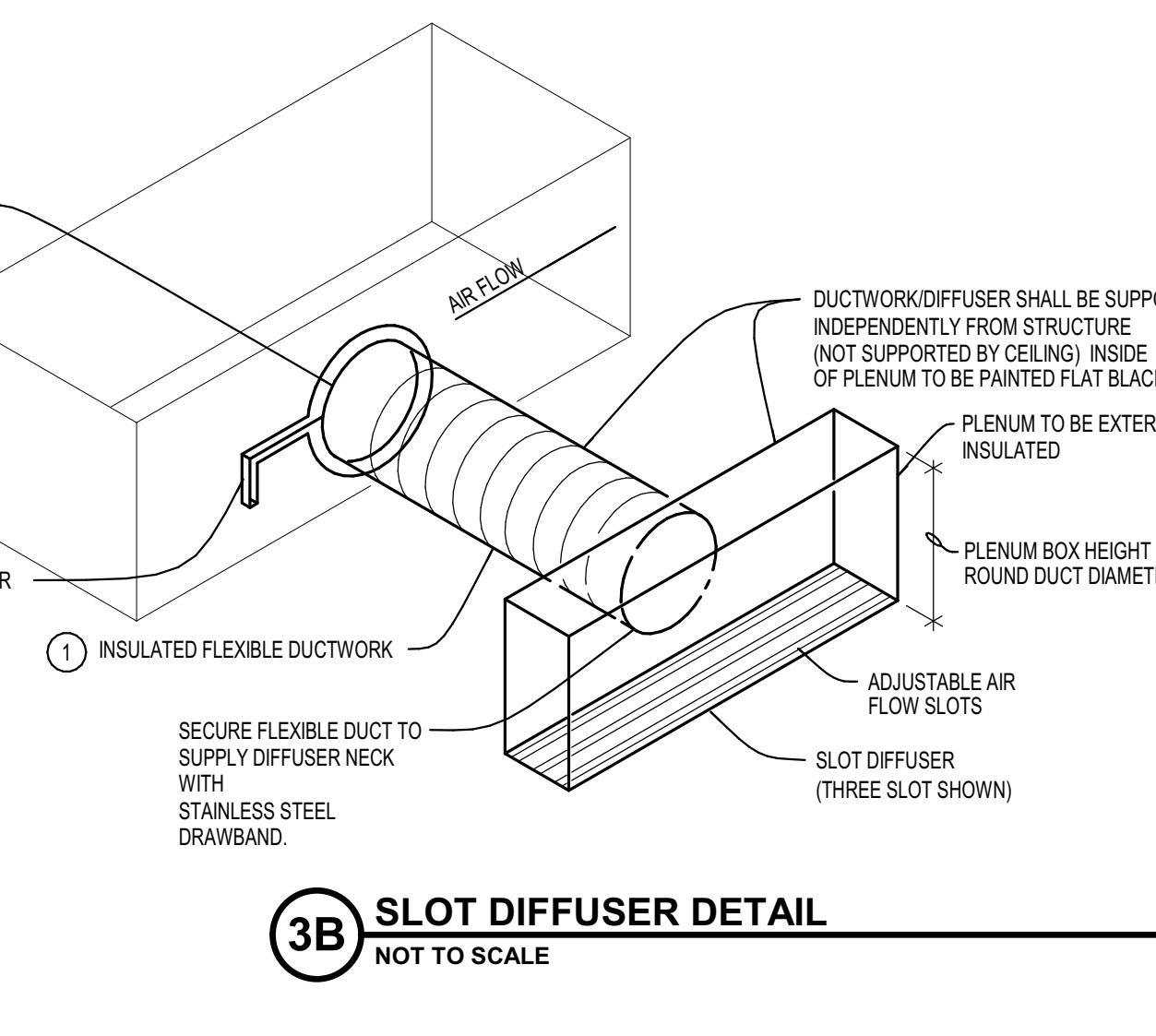
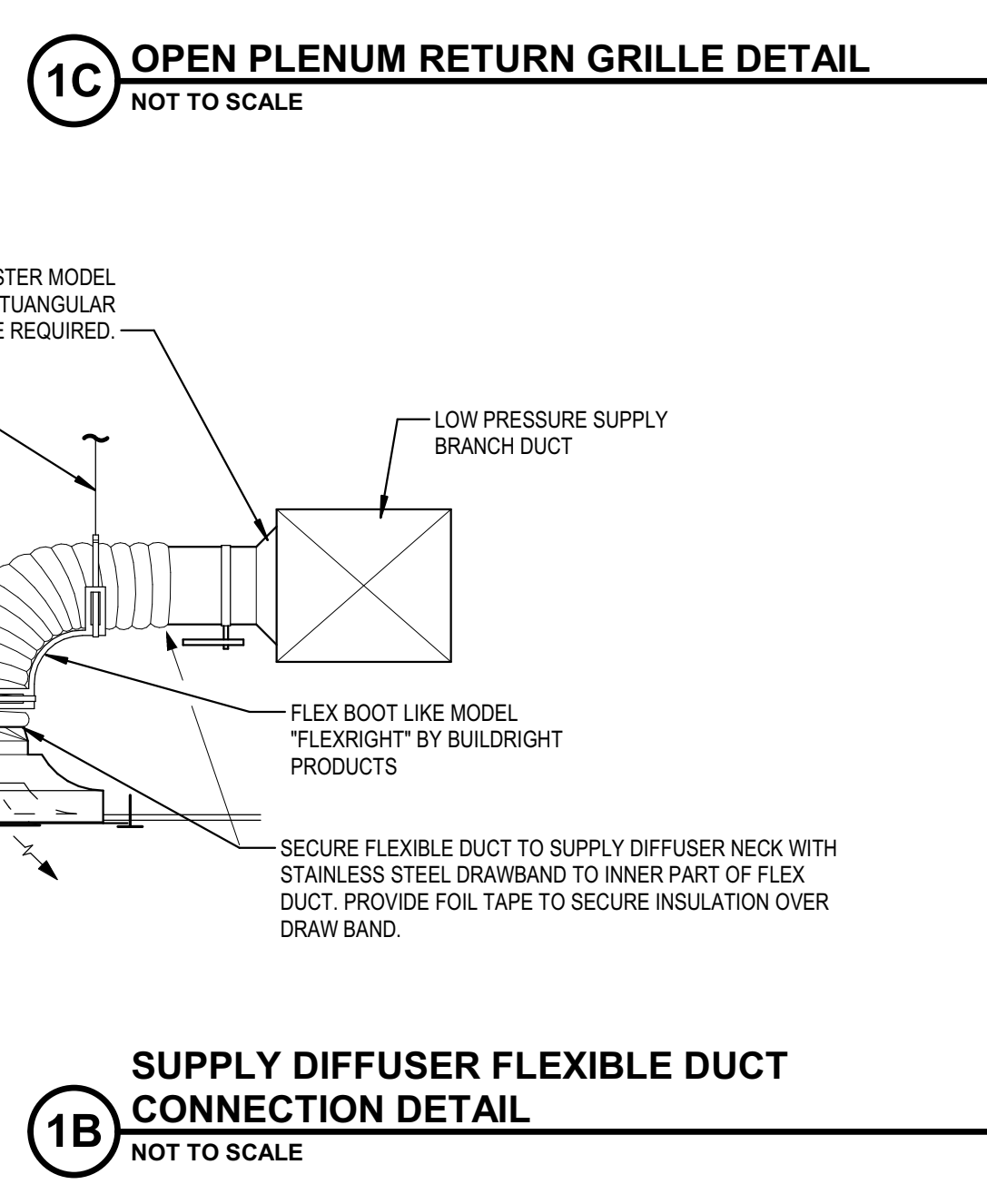
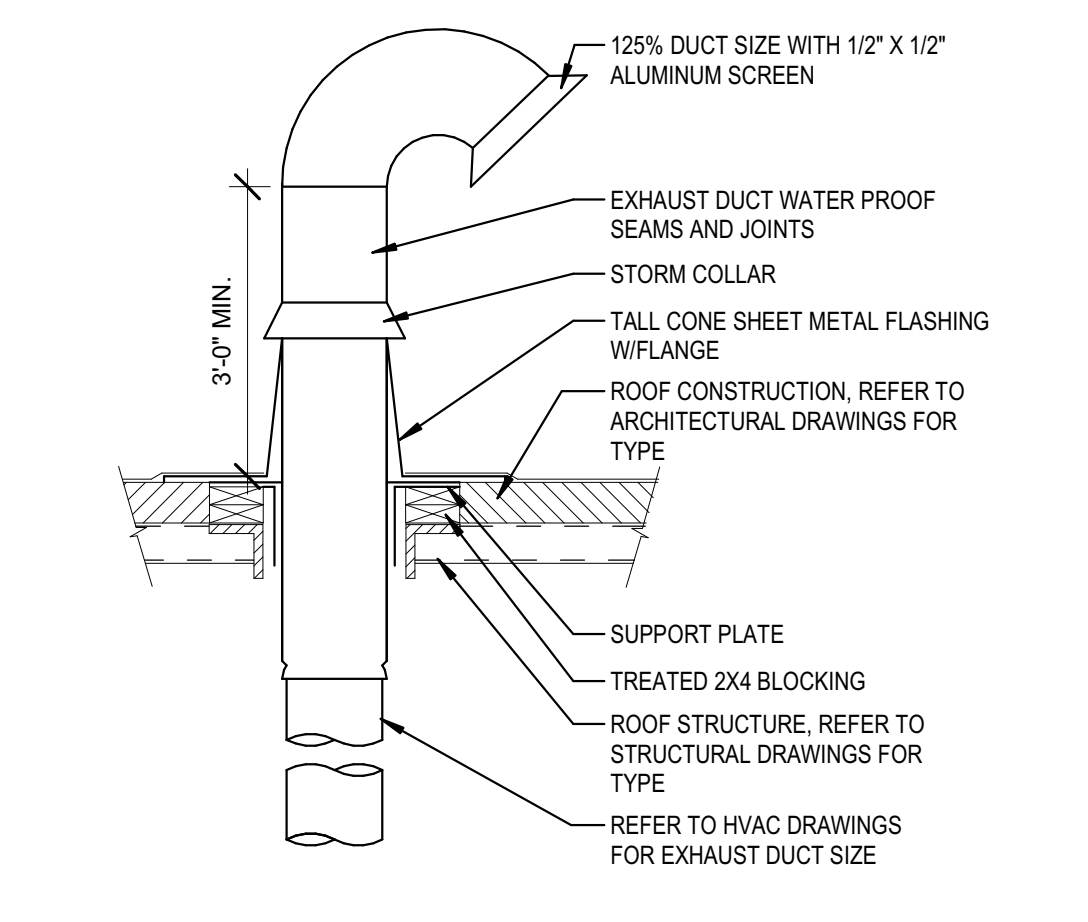
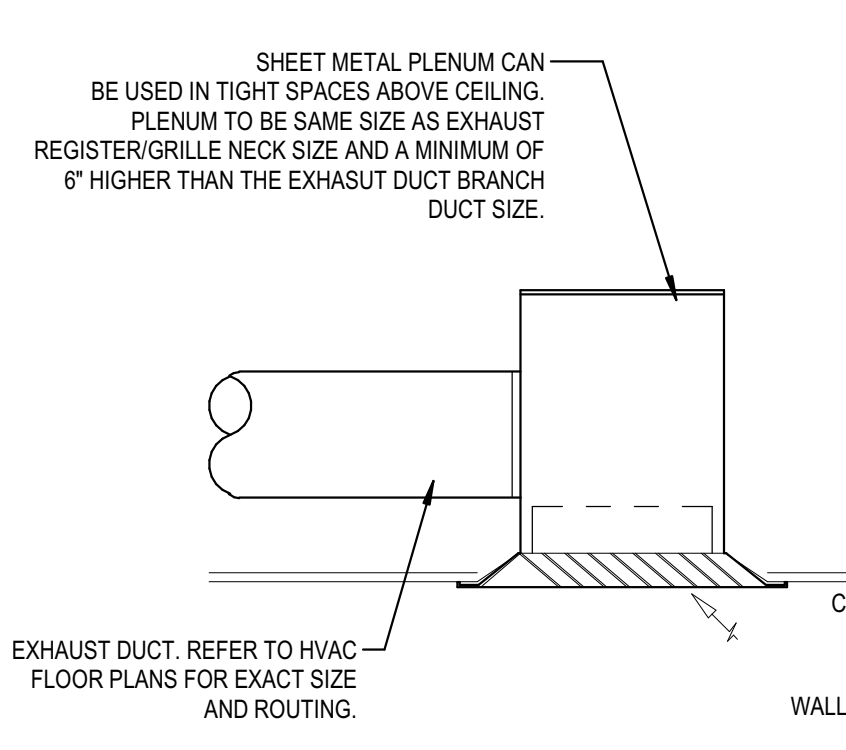
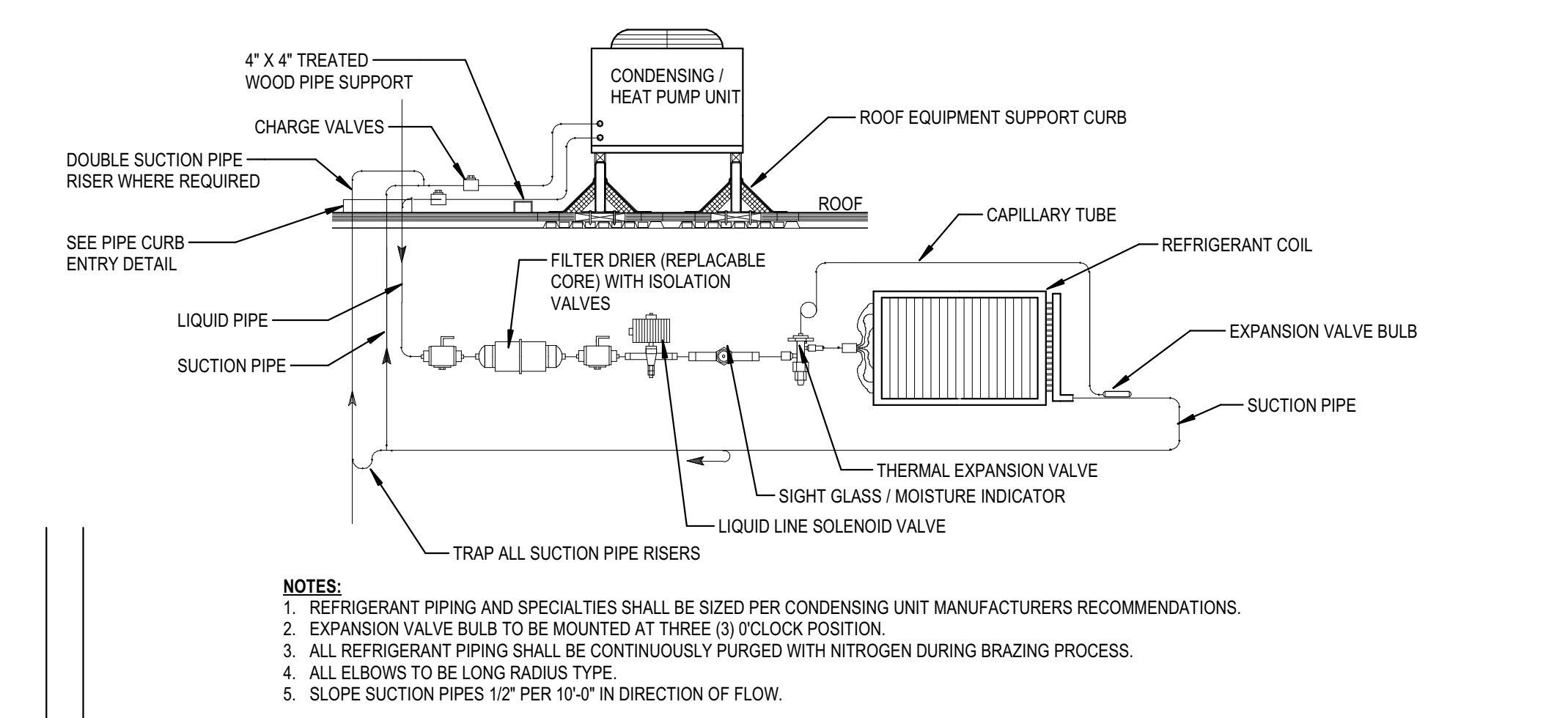
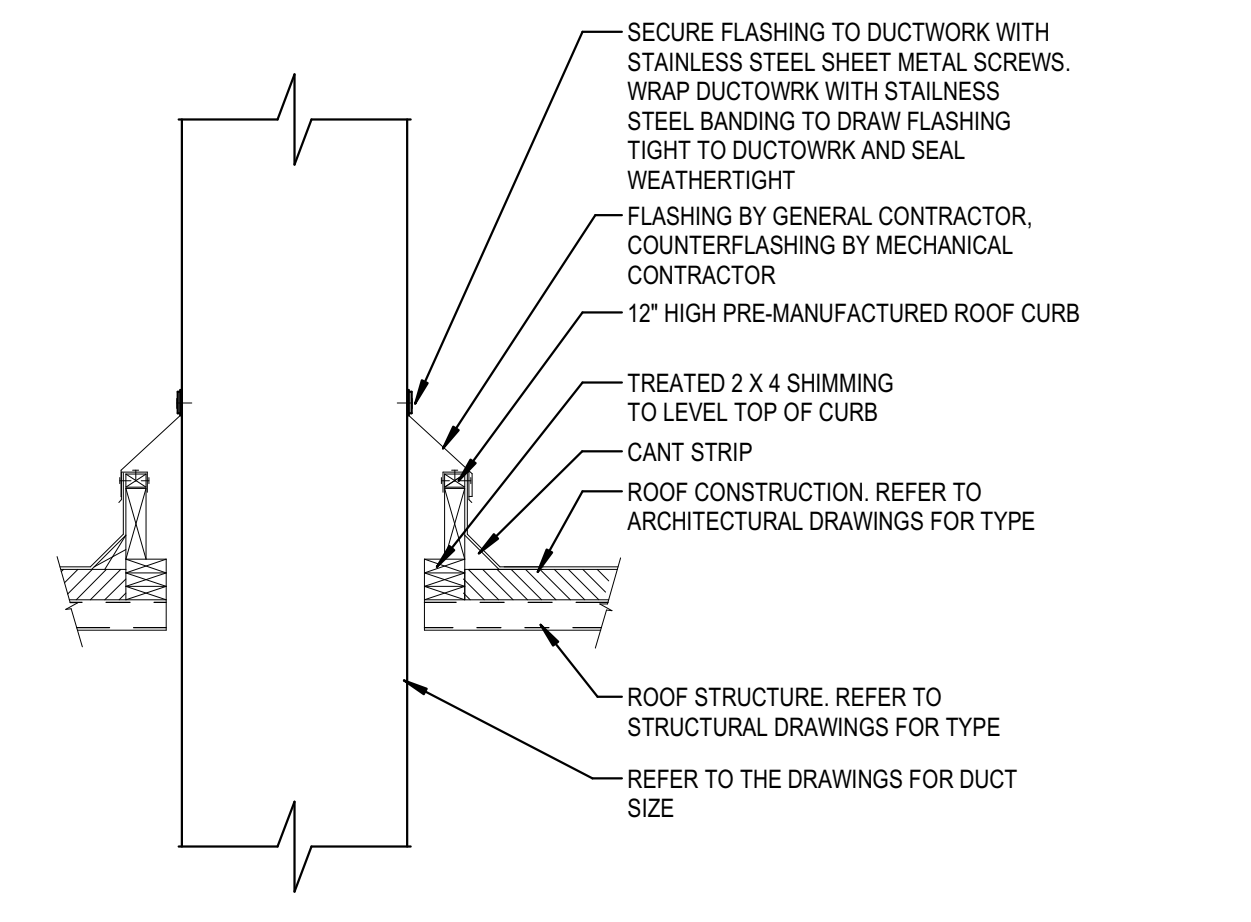
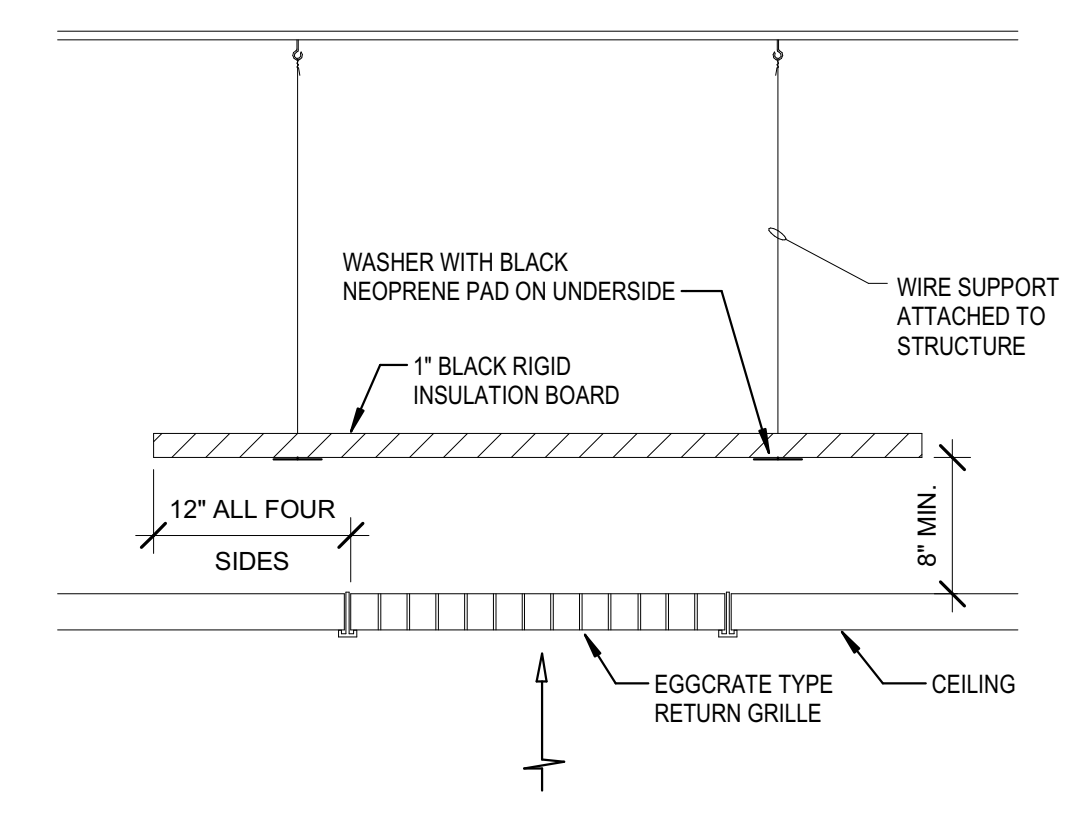
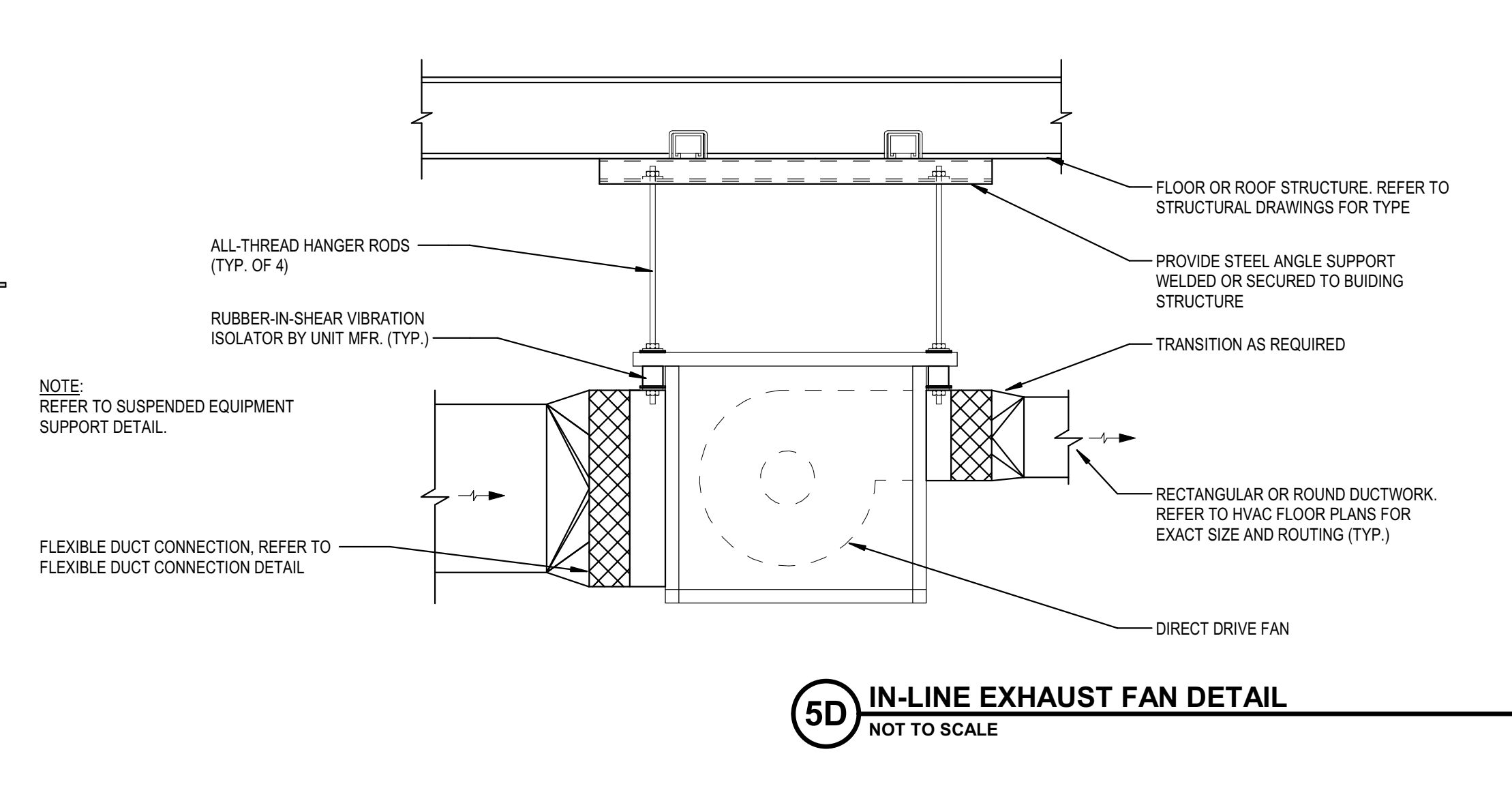
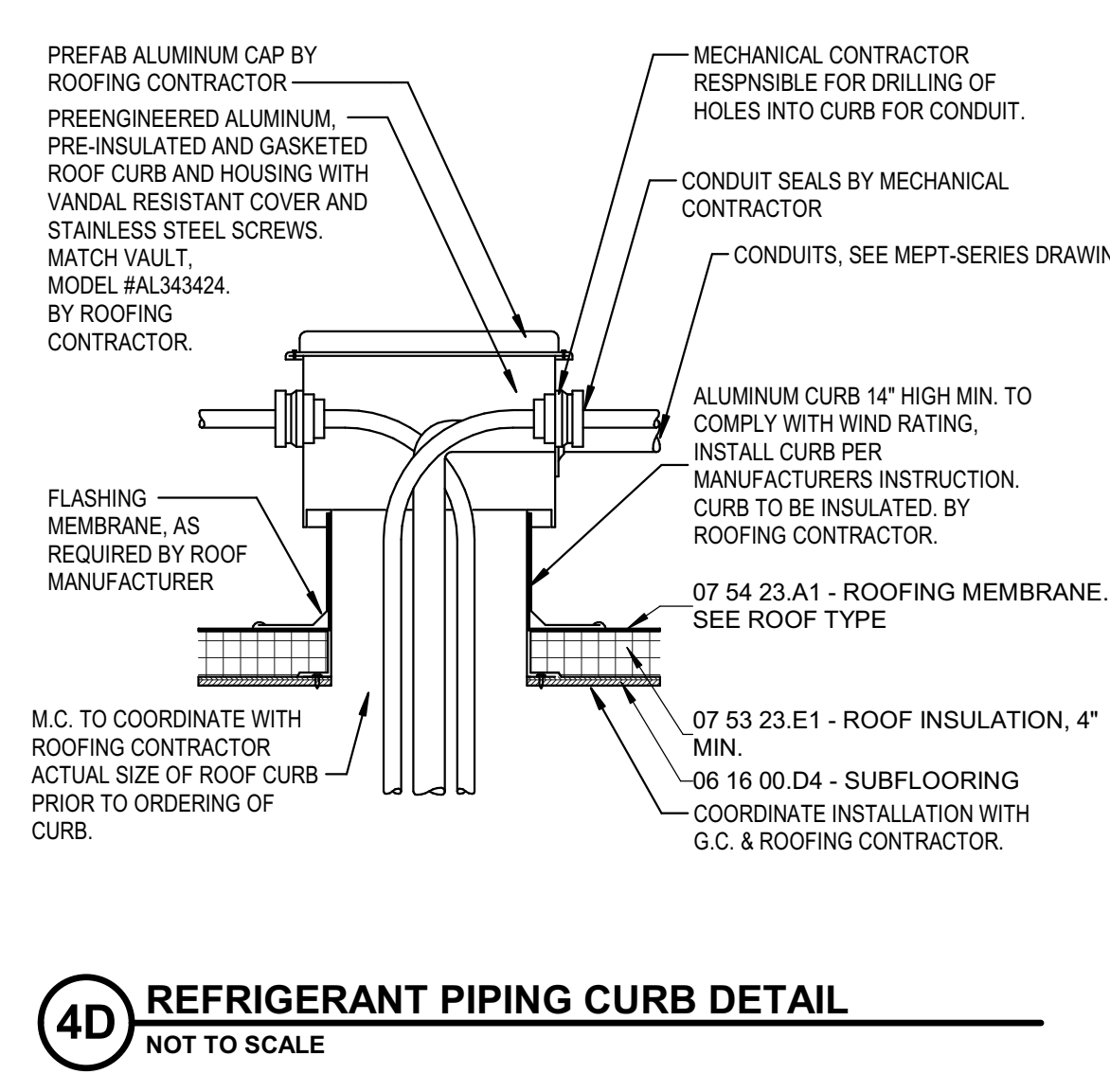
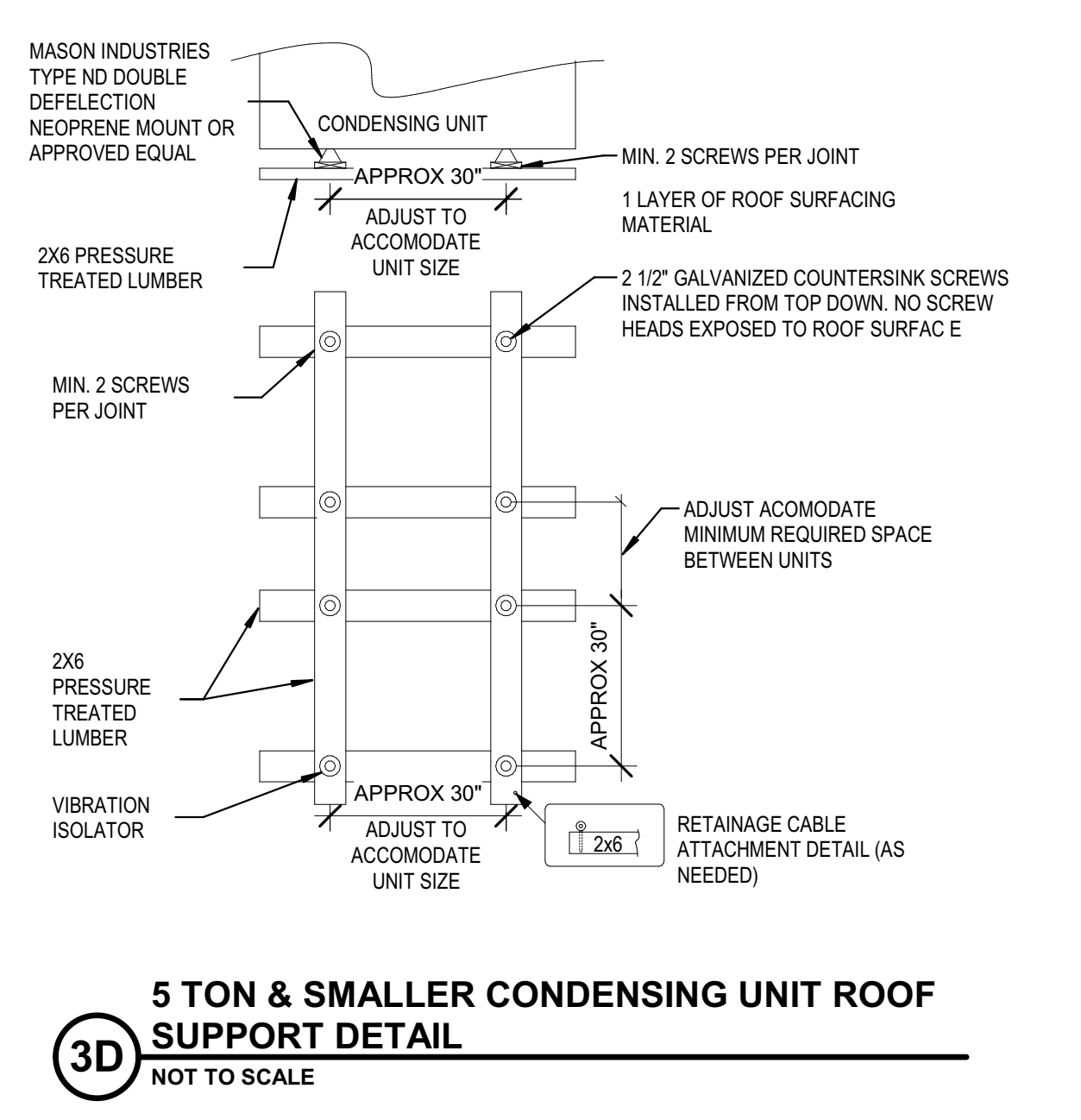
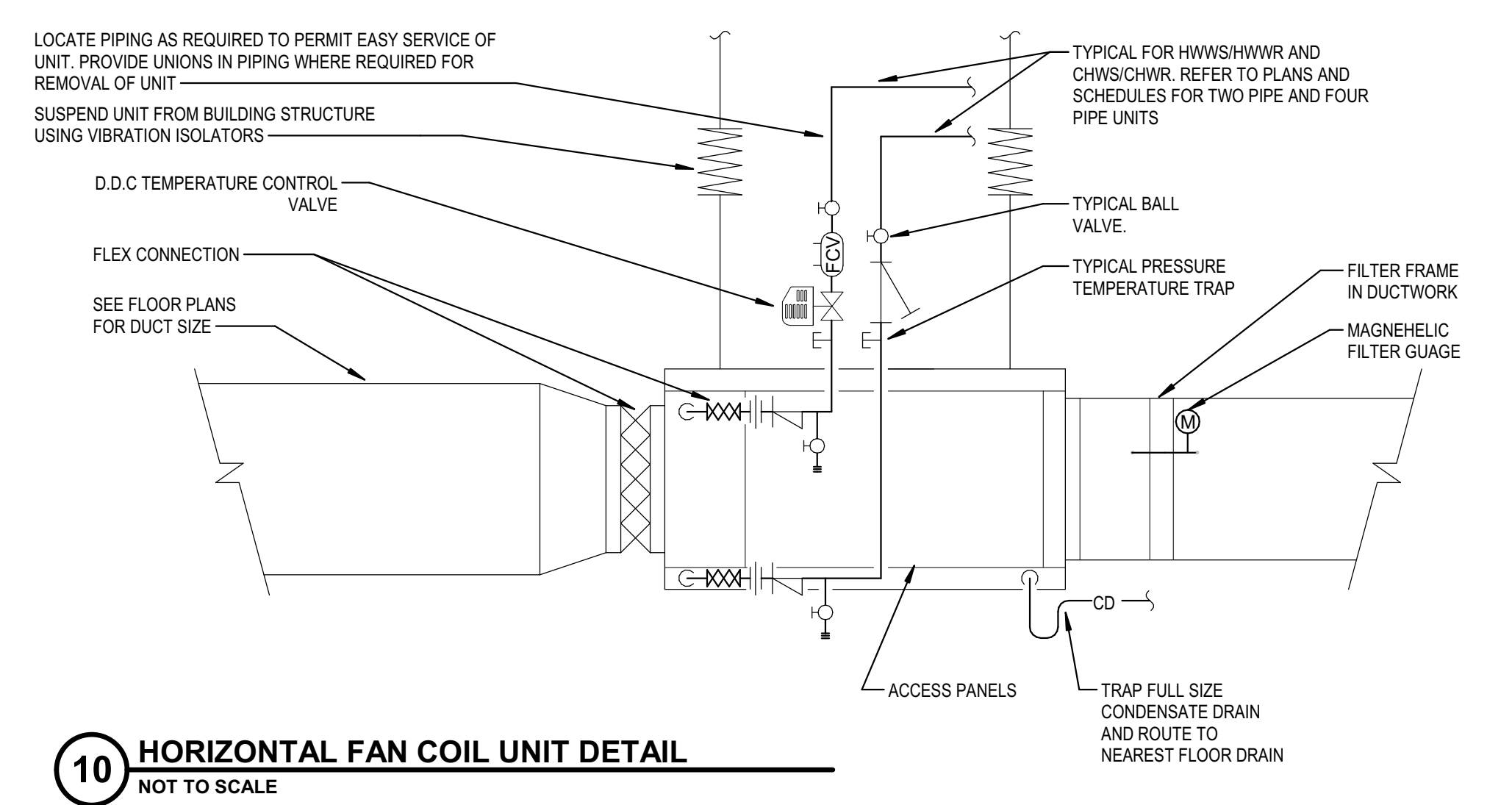
M.S.D. of Washington Township



SERVICES CENTER RENOVATION - PHASE 6B

MECHANICAL DETAILS

M-501



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| HYDRONIC CABINET UNIT HEATER SCHEDULE - 23 82 39.13 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|--------------|-----------|-------------|-------------|-----------------|--------------|----------------|------|----------|----------|-------------|------------|----------|----------|------------|---------------|-------------|-----------------|--------|------|-------|--------|-----------|----|-----------|---------|-----------|-------|
| IDENTITY DATA | | | | | | HEATING DATA | | | | | | FAN DATA | | | | | | ELECTRICAL DATA | | | | | | | | | | |
| MARK | MANUFACTURER | MODEL | LENGTH (IN) | HEIGHT (IN) | ENCLOSURE MODEL | WEIGHT (LBS) | CAPACITY (MBH) | ROWS | EWT (°F) | LWT (°F) | WPD (FT-WG) | FLOW (GPM) | EAT (°F) | LAT (°F) | FLUID TYPE | AIRFLOW (CFM) | ESP (IN-WG) | FAN TYPE | DRIVE | HP | RPM | SPEEDS | VOLTS (V) | PH | FREQ (HZ) | FLA (A) | MOCPP (A) | NOTES |
| CH-E-18 | STERLING | CBS-C-15R | 35 | 25 | 2 | 97 | 25 | 2 | 140 | 120 | 0.3 | 2.0 | 70 | 110 | WATER | 225 | 1.00 | FC CENTRIFUGAL | DIRECT | 0.07 | 1,050 | 3 | 120 | 1 | 60 | 0.5 | 15.0 | 1-2 |

HYDRONIC CABINET UNIT HEATER SCHEDULE NOTES:
 1. DISCONNECT SWITCH BY MANUFACTURER. DISCONNECT SWITCH AND ALL INTERLOCK RELAYS TO BE INSTALLED WITHIN HEATER ENCLOSURE.
 2. CEILING MOUNTED.

| EXHAUST FAN SCHEDULE - 23 34 23 | | | | | | | | | | | | | | | | | | | | | |
|---------------------------------|--------------|-----------|--------------|--------------|-----------------------|------------|---------------|-------------|------|----------------|-------|-------|-----|---------------|-----------|-----------------|-----------|---------|-----------|-------|--|
| IDENTITY DATA | | | | FAN DATA | | | | | | SOUND CRITERIA | | | | UNIT CONTROL | | ELECTRICAL DATA | | | | | |
| MARK | MANUFACTURER | MODEL | SERVICES | WEIGHT (LBS) | FAN TYPE | DRIVE TYPE | AIRFLOW (CFM) | ESP (IN-WG) | RPM | HP | BHP | SONES | DBA | CONTROL | VOLTS (V) | PH | FREQ (HZ) | FLA (A) | MOCPP (A) | NOTES | |
| EF-B1 | LOREN COOK | 101ACED | IDF B100A | 15 | DOWNBLAST CENTRIFUGAL | DIRECT | 100 | 0.50 | 1725 | 1/8 | 0.084 | 7.2 | 55 | BAS | 120 | 1 | 60 | 1.4 | | | |
| DEF-G1 | FANTECH | DEDPV-705 | LAUNDRY H101 | - | AXIAL | DIRECT | 100 | 0.50 | 2600 | 1/10 | - | - | - | DRYER CONTROL | 120 | 1 | 60 | 1.5 | | | |
| EF-G2 | LOREN COOK | 101ACED | RR G106A/B/C | 15 | DOWNBLAST CENTRIFUGAL | DIRECT | 300 | 0.50 | 2800 | 1/2 | 0.431 | 24 | - | BAS | 120 | 1 | 60 | 1.4 | | | |
| EF-G3 | LOREN COOK | 101ACED | RRH100H | 15 | DOWNBLAST CENTRIFUGAL | DIRECT | 100 | 0.50 | 1725 | 1/8 | 0.084 | 7.2 | 55 | BAS | 120 | 1 | 60 | 1.4 | | | |

EXHAUST FAN SCHEDULE NOTES:
 1. DISCONNECT BY MANUFACTURER.
 2. SEE M-700 SERIES SHEETS FOR TEMPERATURE CONTROL INFORMATION.
 3. FAN SPEED CONTROLLER FOR BALANCING.
 4. GRAVITY BACKDRAFT DAMPER.
 5. PROVIDE FAN THAT IS UL LISTED FOR CLOTHES DRYER. REFER TO DETAILS.

| DIFFUSERS, REGISTERS, AND GRILLES SCHEDULE - 233713 | | | | | | | | | | | | |
|---|---------------------------------------|--------------|----------|-----------|-----|-----|-------------|--|--|--|-------|-------|
| IDENTITY DATA | | | | NECK SIZE | | | MODULE SIZE | | | | NOTES | |
| MARK | DESCRIPTION | MANUFACTURER | MODEL | Ø | W | L | MATERIAL | | | | | NOTES |
| EC112/12 | EGG CRATE FACE RETURN | PRICE | 80 | 12" | 12" | | ALUMINUM | | | | | 1 |
| EC24/12 | EGG CRATE FACE RETURN | PRICE | 80 | 24" | 12" | | ALUMINUM | | | | | 1 |
| LS48-12-2S | LINEAR SLOT DIFFUSER | PRICE | TBD13100 | 12" | 48" | | ALUMINUM | | | | | 1 |
| LS60-12-2S | LINEAR SLOT DIFFUSER | PRICE | TBD13100 | 12" | 60" | | ALUMINUM | | | | | 1 |
| RG24/12 | LOUVER FACE RETURN GRILLE | PRICE | 630 | 24" | 12" | | ALUMINUM | | | | | 1 |
| RG24/24 | LOUVER FACE RETURN GRILLE | PRICE | 630 | 24" | 24" | | ALUMINUM | | | | | 1 |
| SD24-8 | SQUARE CONE DIFFUSER | PRICE | ASCD | 8" | 24" | 24" | ALUMINUM | | | | | 1 |
| SD24-10 | SQUARE CONE DIFFUSER | PRICE | ASCD | 10" | 24" | 24" | ALUMINUM | | | | | 1 |
| SD24-12 | SQUARE CONE DIFFUSER | PRICE | ASCD | 12" | 24" | 24" | ALUMINUM | | | | | 1 |
| SD24-14 | SQUARE CONE DIFFUSER | PRICE | ASCD | 14" | 24" | 24" | ALUMINUM | | | | | 1 |
| SR22/10 | LOUVER FACE GRILLE SUPPLY WITH DAMPER | PRICE | 520D | - | 22" | 10" | ALUMINUM | | | | | 1 |

DIFFUSERS, REGISTERS, AND GRILLES SCHEDULE NOTES:
 1. WHITE FINISH.

| AIR CURTAIN SCHEDULE - 23 34 33 | | | | | | | | | | | | | | | |
|---------------------------------|--------------|--------------|--------------|---------------|-------------------|-----------------------|------|---------|------------|-----------|----|-----------------|---------|-----------|-------|
| IDENTITY DATA | | | FAN DATA | | | ELECTRIC HEATING DATA | | | MOTOR DATA | | | ELECTRICAL DATA | | | |
| MARK | MANUFACTURER | MODEL | WEIGHT (LBS) | AIRFLOW (CFM) | NOZZLE WIDTH (IN) | MAX CAPACITY (KW) | QTY. | HP EACH | AMPS EACH | VOLTS (V) | PH | FREQ (HZ) | MCA (A) | MOCPP (A) | NOTES |
| AC-G1 | BERNER | AE10-E-1048E | 129 | 1,766 | 48 | 8 | 1 | 1/2 | 6.8 | 120 | 1 | 60 | 13.2 | 20.00 | 1-7 |

AIR CURTAIN SCHEDULE NOTES:
 1. MANUFACTURER-INSTALLED TOGGLE DISCONNECT.
 2. SEE AIR CURTAIN INSTALLATION AND PIPING DETAIL 1AM-501.
 3. ELECTRICAL CONNECTION TO BE FLEXIBLE.
 4. STANDARD WHITE COLOR.
 5. TWO SETS OF WASHABLE FILTERS BY MANUFACTURER.
 6. DOOR SWITCH MAGNETIC REED. UNIT IS INTERLOCKED WITH DOOR POSITION SWITCH. COORDINATE WITH DOOR FRAME. SEE ARCHITECTURE SHEETS.
 7. EC MOTOR.

| SPLIT SYSTEM SCHEDULE - 23 81 26 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------------------|--------------|-----------------|--------------|-----|-------|------------------|--------------|------|-----------------|-------|----------|------------|---------------|-----------------|----------|--------------|----------------|----------------|-----------------|------|-----------|-----------|----|-----------|---------|-----------|---------------------|-------|
| INDOOR UNIT | | | | | | | | | | | | | OUTDOOR UNIT | | | | | | | | | | | | | | | |
| IDENTITY DATA | | | DIMENSIONS | | | COOLING CAPACITY | | | AIRFLOW DATA | | | COND. PUMP | IDENTITY DATA | | | COOLING DATA | | | ELECTRICAL DATA | | | | | | | | | |
| MARK | MANUFACTURER | MODEL | WEIGHT (LBS) | L | W | H | TOTAL (BTUH) | SHF | SENSIBLE (BTUH) | CFM | SPEEDS | YES | MARK | MODEL | SERVICES | WEIGHT (LBS) | NOMINAL (BTUH) | SUM. AMB. (°F) | EER | SEER | REF. TYPE | VOLTS (V) | PH | FREQ (HZ) | MCA (A) | MOCPP (A) | DISCONNECT PROVIDER | NOTES |
| SS-G1 | MITSUBISHI | TPKA0A0361KA70A | 46 | 46" | 11.5" | 14.5" | 36,000 | 0.70 | 25,200 | 3,880 | VARIABLE | YES | CU-G1 | TRUYA03E1KA70NA | SS-G1 | 211 | 36,000 | 95 | 10.8 | 18.8 | R410A | 208 | 1 | 60 | 1 | 15 | MANUFACTURER | 1-3 |

SPLIT SYSTEMS UNIT SCHEDULE NOTES:
 1. DISCONNECT PROVIDED BY DIV. 26. LOCATED NEAR INDOOR FCU. ALL INTERLOCKING WIRING BETWEEN INDOOR UNIT AND OUTDOOR UNIT PROVIDED BY DIVISION 23. ALL MAIN POWER WIRING PROVIDED BY DIVISION 26.
 2. OPTIONAL LOW AMBIENT WIND BAFFLE KIT PROVIDED BY MANUFACTURER.
 3. SPLIT SYSTEM OPERATES AS COOLING-ONLY, YEAR-ROUND.

| HYDRONIC FAN COIL UNIT (COOLING ONLY) SCHEDULE - 23 82 19 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|--------------|--------|--------------|------------|-----|-----|----------|-------------|-----|-----|--------------|-----------------|--------------|-----|----------|----------|----------|----------|-----------------|----------|------------------|------------|-----------|----|-----------|---------|-----------|-------|
| IDENTITY DATA | | | | DIMENSIONS | | | FAN DATA | | | | | | COOLING DATA | | | | | | ELECTRICAL DATA | | | | | | | | | |
| MARK | MANUFACTURER | MODEL | WEIGHT (LBS) | L | W | H | CFM | ESP (IN-WG) | HP | BHP | TOTAL (BTUH) | SENSIBLE (BTUH) | ROWS | GPM | EWT (°F) | LWT (°F) | EDB (°F) | EWB (°F) | LDB (°F) | LWB (°F) | COIL WPD (FT-WG) | FLUID TYPE | VOLTS (V) | PH | FREQ (HZ) | FLA (A) | MOCPP (A) | NOTES |
| FCU-D1 | TRANE | BCE036 | 199 | 33" | 42" | 17" | 1,000 | 1.0 | 1.0 | 0.8 | 33,200 | 24,050 | 4 | 8.0 | 45.0 | 53.25 | 75.0 | 64.0 | 53.2 | 52.7 | 8.8 | WATER | 115 | 1 | 60 | 13.3 | 25.0 | 1-4 |

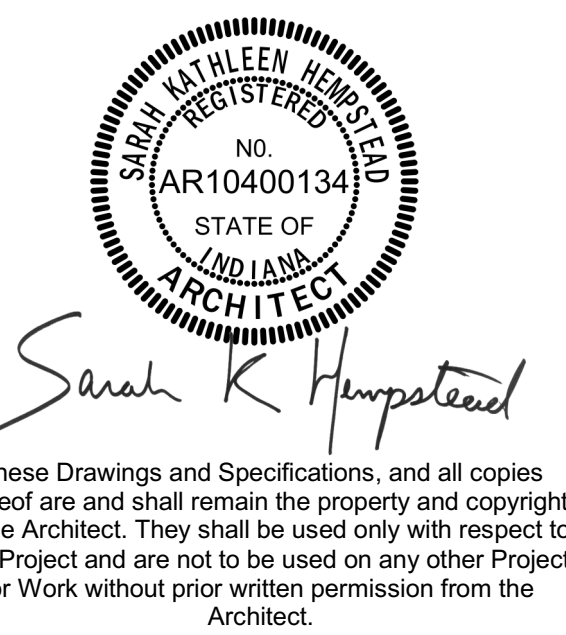
HYDRONIC FAN COIL UNIT SCHEDULE NOTES:
 1. DISCONNECT BY MANUFACTURER. FACTORY-INSTALLED TOGGLE DISCONNECT.
 2. UNIT SELECTED FOR SCHEDULED SPEED SETTING. SCHEDULED CFM IS NOMINAL CFM. BALANCE FAN COIL UNIT TO AIRFLOW INDICATED ON PLANS.
 3. FILTERS: MERV 8
 4. RETURN AIR LOCATION: BACK OF UNIT.

| PACKAGED DEHUMIDIFIER SCHEDULE | | | | | | | | | | | | | | | | | | | | | | |
|--------------------------------|--------------|--------------|-----------------|------------------|------|-----------------------|--------------------|-----------------------|----------------|------------------|-----------------|-----|-----------|-----|--------------------|------------------|-------------|--------|------|-----------------------|--------------|-------|
| IDENTITY DATA | | | | PERFORMANCE DATA | | | | | | | ELECTRICAL DATA | | | | MISCELLANEOUS DATA | | | | | | | |
| MARK | MANUFACTURER | MODEL | SERVICES | TEMPERATURE | % RH | WATER REMOVAL (P/DAY) | EFFICIENCY (P/kWh) | ENERGY FACTOR (L/kWh) | SUPPLY VOLTAGE | CURRENT DRAW (A) | MCA | MOP | POWER (W) | CFM | BTU (CONDENSATION) | BTU (MOTOR LOAD) | REFRIGERANT | WEIGHT | MERV | OPERATING TEMPERATURE | CONTROL TYPE | NOTES |
| D-A1 | QUEST | HI-E DRY 195 | PRINT SHOP A102 | 80 | 60.0 | 795.0 | 5.4 | 2.6 | 110-120 | 13.1 | 18.9 | 30 | 1,500 | 610 | 9,000 | 5,200 | R410A | 130 | 11 | 56F-110F | ONBOARD | 1-2 |

HUMIDIFIER SCHEDULE NOTES:
 1. DISCONNECT BY MANUFACTURER
 2. UNIT RESTS ON MANUFACTURER PROVIDED CASTERS ON FLOOR.

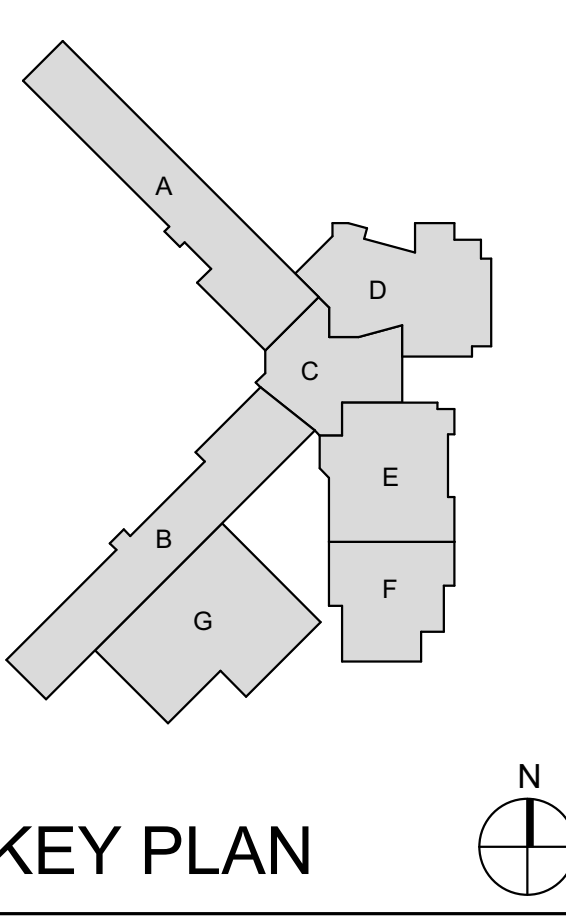


Project No. 2019-067.WSC
 Project Date 07.31.2024
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| # | Revision | Date |
|----|-------------|------------|
| A1 | ADDENDUM #1 | 08.22.2024 |

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M.S.D. of Washington Township
 WASHINGTON TOWNSHIP SCHOOLS
 SERVICES CENTER RENOVATION - PHASE 6B

MECHANICAL SCHEDULES
 M-601



Project No. 2019-067.WSC
Project Date 07.31.2024
Produced DLM

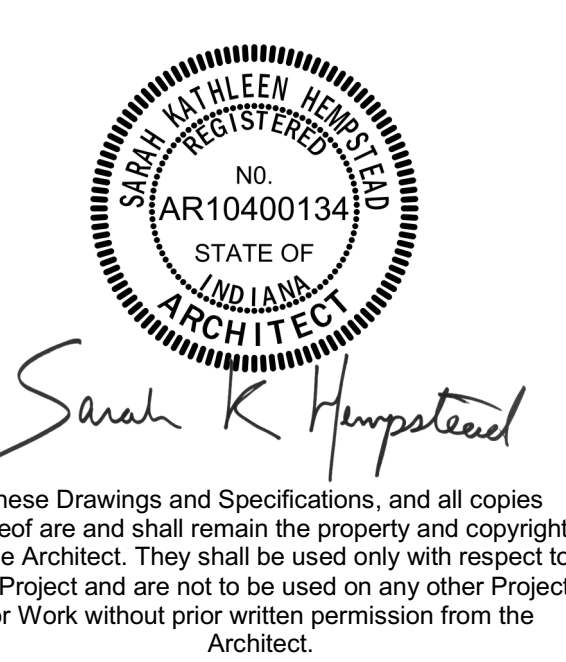
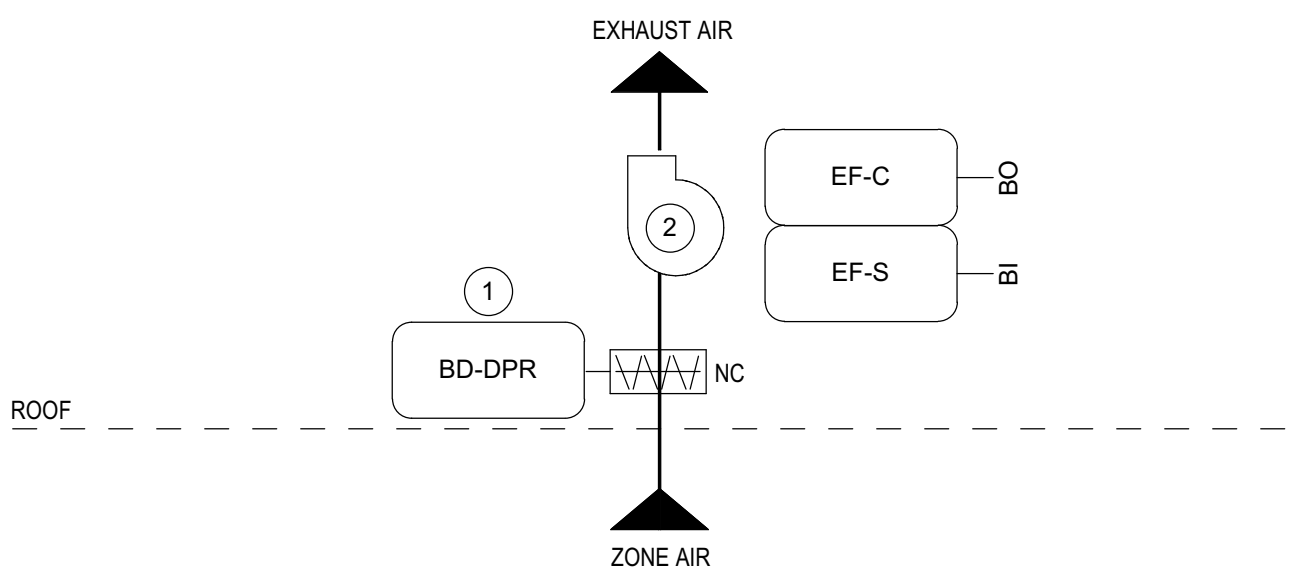


Table with columns: #, Revision, Date. Row A1: ADDENDUM #1, 08.22.2024

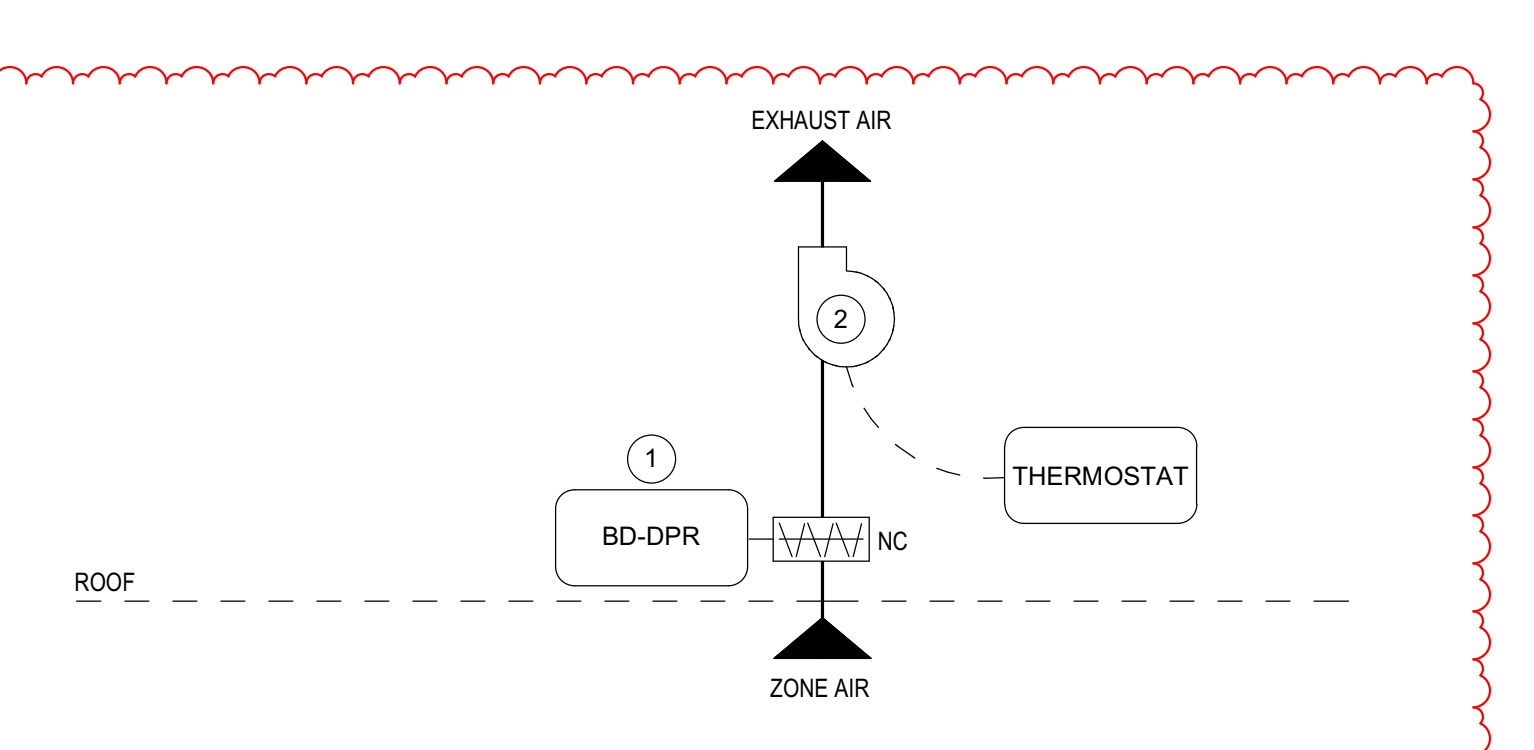
Hardware Points and Software Points table for Exhaust Fan Status (EF-S), Exhaust Fan Start/Stop (EF-C), Fan Failure, Occupied.



- SCHEMATIC NOTES: 1 GRAVITY BACKDRAFT DAMPER REQUIRES NO TEMPERATURE CONTROLS. 2 REFERENCE MECHANICAL SCHEDULES FOR BAS CONTROLLED EXHAUST FANS AND ADDITIONAL REQUIREMENTS.

EXHAUST FAN SEQUENCE OF OPERATION: THE EXHAUST FAN SHALL BE STARTED ACCORDING TO THE OWNER-DEFINED SCHEDULE. IF THE EXHAUST FAN STATUS (EF-S) DOES NOT MATCH THE COMMANDED VALUE AFTER 180 SECONDS (ADJ), AN ALARM SHALL BE GENERATED.

4D EXHAUST FAN EF-G2, EF-G3 NOT TO SCALE



- SCHEMATIC NOTES: 1 BACKDRAFT DAMPER REQUIRES NO TEMPERATURE CONTROLS. 2 REFERENCE MHS1 FOR LOCATION OF THE THERMOSTAT TO CONTROL THE EXHAUST FAN.

EXHAUST FAN SEQUENCE OF OPERATION: THE EXHAUST FAN SHALL BE STARTED ACCORDING TO WALL MOUNTED THERMOSTAT. CONTROLS INSTALLATION CONTRACTOR SHALL SET ADJUSTABLE THERMOSTAT TO CONTROL SPACE TEMPERATURE TO 75F.

3D EXHAUST FAN EF-B1 NOT TO SCALE

CONTROLS INSTALLATION CONTRACTOR (CIC) MISCELLANEOUS SEQUENCES AND INFORMATION:

IT IS THE INTENTION OF THIS PROJECT TO PROVIDE DELTA CONTROLS DEVICES CAPABLE OF UTILIZING BACnet MSTP COMMUNICATION WHERE SPECIFIED. TEMPERATURE CONTROLS SERVICES (TCS) SHALL PROVIDE ALL REQUIRED CONTROLS EQUIPMENT PER THE DRAWINGS AND SPECIFICATIONS.

TCS SHALL COORDINATE WITH THE CLIENT FOR: EMAIL ALARM INFORMATION, 1-YEAR TRENDDING AND REPORTS, OCCUPIED AND HOLIDAY SCHEDULES, AND SPECIALTY EQUIPMENT PARAMETERS AND ALARMING.

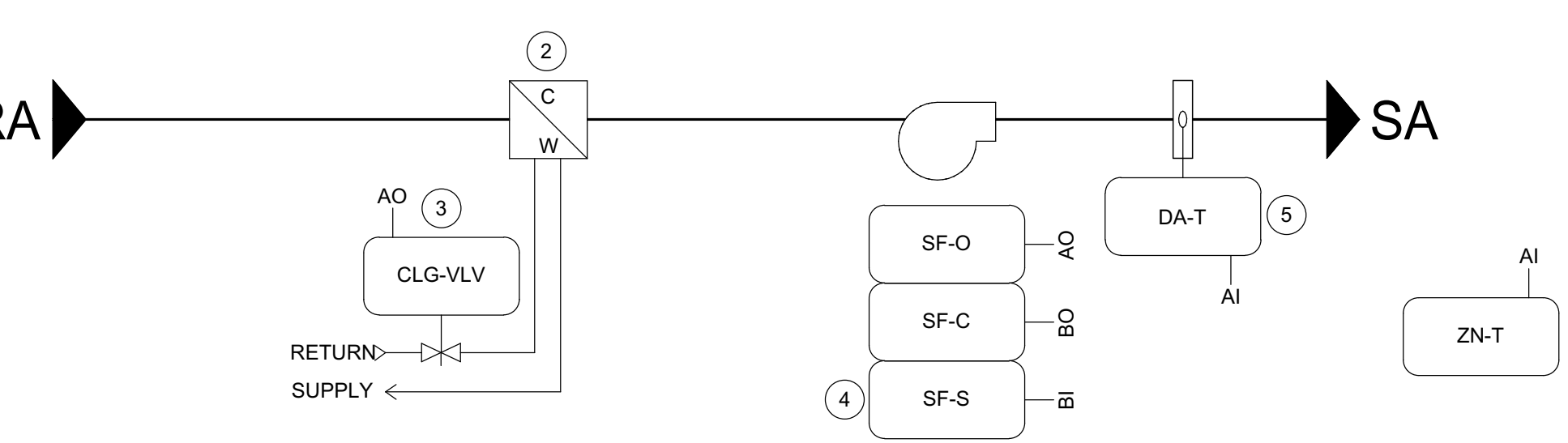
FOR CLARIFICATION AND AWARENESS: TCS HAS A SCOPE OF WORK NOT SHOWN IN THIS PROJECT THAT WILL NOT REQUIRE CIC SERVICES. TCS WILL SELF PERFORM OR SUB CONTRACT AS REQUIRED TO PERFORM ALL CONTROL WORK NOT SPECIFIED WITHIN THE DRAWINGS AND SPECIFICATIONS.

CONTROL PANELS: TCC SHALL FURNISH AND CIC SHALL INSTALL TEMPERATURE CONTROL PANELS INDICATED WITHIN THE TCC DRAWINGS THAT ARE HOFFMAN STYLE PANELS. THE TECHNOLOGY CONTRACTOR WILL PROVIDE ETHERNET DROPS FOR ALL TCC PANELS FOR BUILDING NETWORK CONNECTIVITY.

EXISTING TO REMAIN HVAC EQUIPMENT: TCC SHALL CONNECT EXISTING BACnet MSTP COMMUNICATION BUS TO NEW DELTA CONTROLLER(S) FOR INTEGRATION OF ALL EXISTING TO REMAIN HVAC CONTROLS.

1D CIC MISCELLANEOUS SCOPE OF WORK NOT TO SCALE

Hardware Points and Software Points table for Discharge Air Temperature (DA-T), Space Temperature (ZN-T), Chilled Water Valve (CLG-VLV), Supply Fan Speed (SF-O), Supply Fan Status (SF-S), Fan Failure, Low Discharge Air Temperature (<45F), Chilled Water Available, Occupied.



- SCHEMATIC NOTES: 1 TCC SHALL FURNISH AND CIC SHALL INSTALL TEMPERATURE SENSOR. REFERENCE AND LOCATE SENSORS PER MECHANICAL PIPING DRAWINGS. 2 REFERENCE MECHANICAL SCHEDULE FOR COOLING ONLY UNIT.

COOLING ONLY FAN COIL UNIT SEQUENCE OF OPERATION: TCC SHALL FURNISH CONTROLS AND DEVICES SPECIFIED AND THE CIC SHALL MOUNT AND WIRE PER COORDINATION DRAWINGS. CIC SHALL FURNISH AND INSTALL CONTROL AND POWER WIRING FOR FIELD INSTALLATION OF TCC PROVIDED TEMPERATURE SENSOR.

SUPPLY FAN START/STOP: THE SUPPLY FAN (SF-C) WILL BE STARTED AND RUN CONTINUOUSLY WHEN IN COOLING MODE. COOLING MODE: THE SUPPLY FAN SHALL RUN IF THE SPACE TEMPERATURE RISES 2°F (ADJ) ABOVE THE SPACE TEMPERATURE SETPOINT AND STOP WHEN SPACE TEMPERATURE SETPOINT IS ACHIEVED.

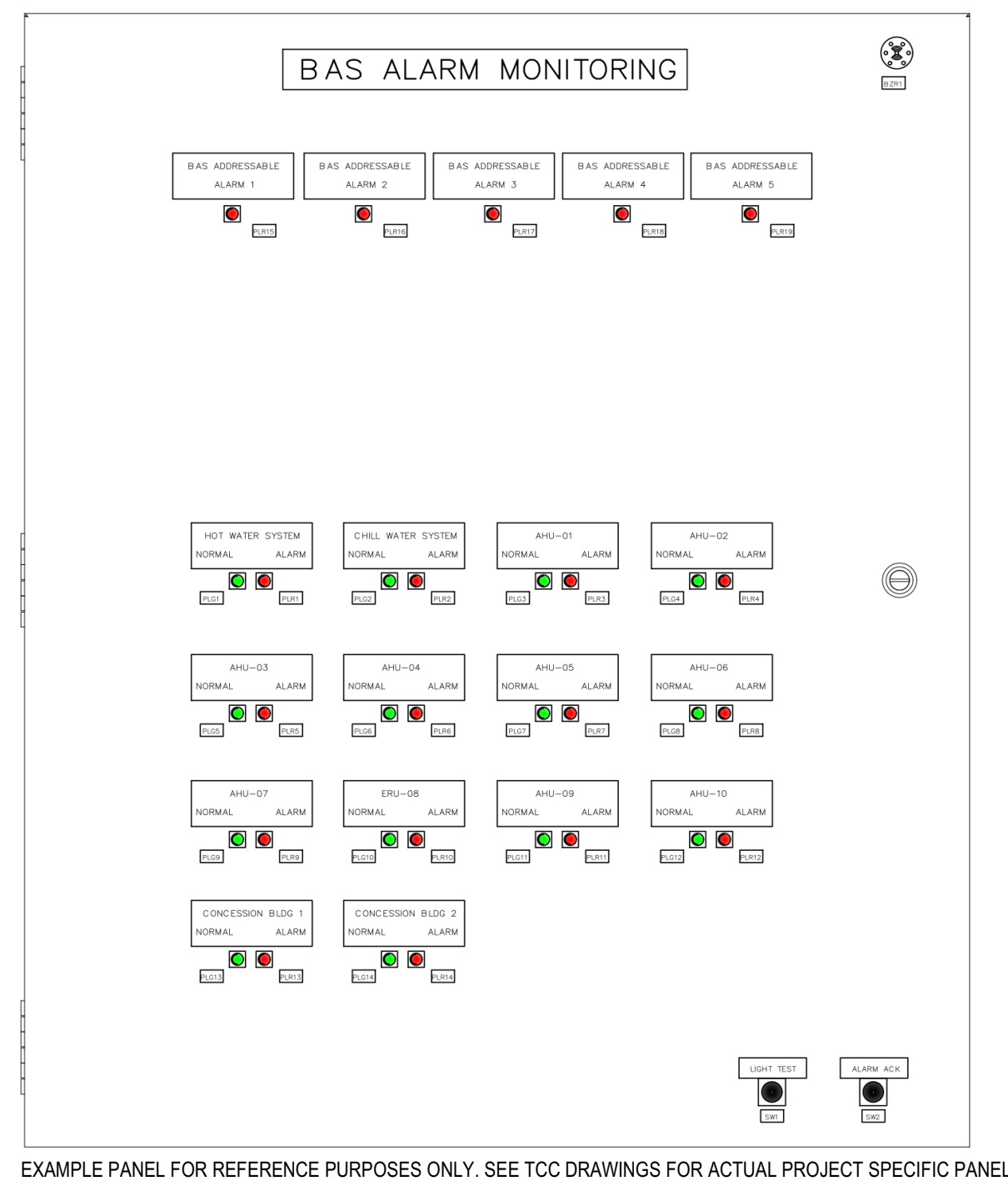
ZONE CONTROL: THE COOLING VALVE (CLG-VLV) SHALL MODULATE IN COOLING MODE TO ACHIEVE THE DESIRED DISCHARGE AIR TEMPERATURE AND REMAIN CLOSED WHEN BELOW SPACE TEMPERATURE SETPOINT.

DISCHARGE AIR TEMPERATURE CONTROL: THE DISCHARGE AIR TEMPERATURE SETPOINT SHALL BE RESET TO ACHIEVE 72°F (ADJ) COOLING WITH A MINIMUM OF 55°F (ADJ).

SHUTDOWN: WHEN THE UNIT IS SHUTDOWN BY EITHER A STOP COMMAND OR SYSTEM SAFETY THE UNIT WILL BE SET AS FOLLOWS: SUPPLY FAN WILL BE OFF. COOLING VALVE WILL CLOSE.

POINTS LIST: THE POINTS LIST REPRESENTS THE MINIMUM POINTS TO BE PROVIDED AND DISPLAYED IN THE SYSTEM GRAPHICS. ADDITIONAL POINTS REQUIRED TO MEET THE SEQUENCE SHALL BE TCC PROVIDED AND ALSO SHOWN.

3A COOLING ONLY FAN COIL UNIT FCU-D1 NOT TO SCALE



EXAMPLE PANEL FOR REFERENCE PURPOSES ONLY. SEE TCC DRAWINGS FOR ACTUAL PROJECT SPECIFIC PANEL

BUILDING MANAGEMENT SYSTEM ANNUNCIATOR PANEL

IT IS THE INTENTION OF THIS DESIGN TO INCLUDE A WALL MOUNTED ANNUNCIATOR PANEL THAT PROVIDES NORMAL AND ALARM CONDITION FEEDBACK OF THE MAJOR MECHANICAL EQUIPMENT IN THE BUILDING TO ASSIST THE OWNER WITH RESPONSE TIME TO EQUIPMENT ISSUES, CHILLERS, BOILERS, AIR HANDLERS, PUMPS, AND OTHER CRITICAL EQUIPMENT.

REMOTE ANNUNCIATOR PANEL: TCC SHALL FURNISH AND CIC SHALL INSTALL THE ANNUNCIATOR PANEL IN THE BUILDING FOREMAN'S OFFICE IN A HIGHLY VISIBLE LOCATION. TCC SHALL FURNISH AN ETHERNET LEVEL CONTROLLER AND ALL REQUIRED PANEL AND FIELD DEVICES FOR A COMPREHENSIVE SOLUTION SPECIFIC TO THE EQUIPMENT IN THE BUILDING.

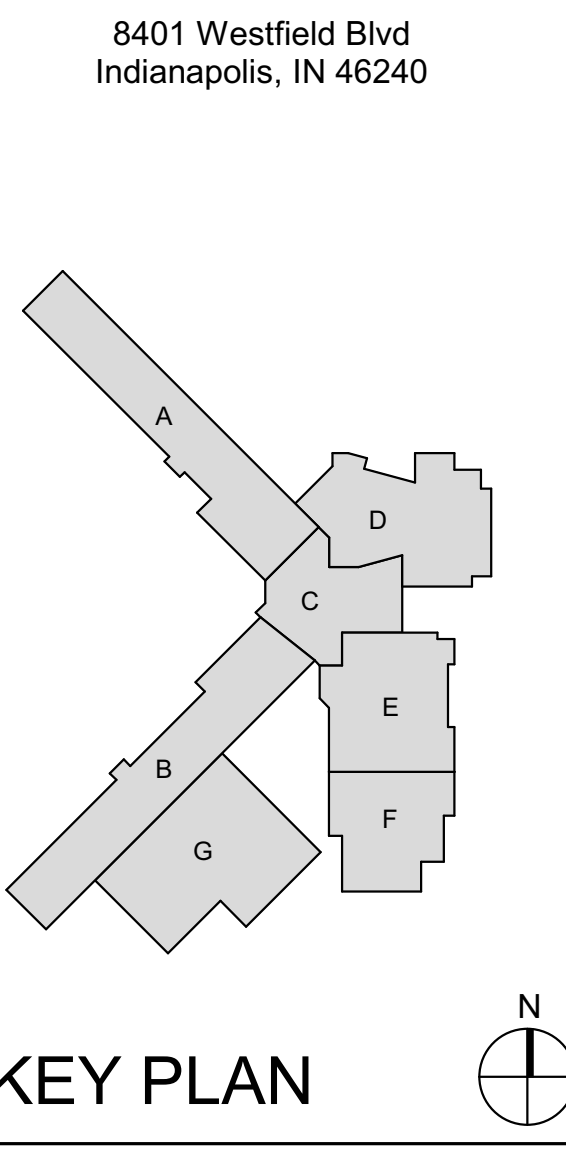
IDF/ MDF NETWORK CONNECTION: THE TECHNOLOGY CONTRACTOR SHALL FURNISH, ROUTE, AND INSTALL A NETWORK CONNECTION FROM THE ANNUNCIATOR PANEL TO THE NEAREST BUILDING NETWORK SWITCH.

120VAC POWER REQUIREMENT: THE ELECTRICAL CONTRACTOR SHALL PROVIDE POWER TO THE ANNUNCIATOR PANEL AND COORDINATE WITH CIC FOR TERMINAL STRIP TERMINATION REQUIREMENTS.

THIRD-PARTY BACnet CONSIDERATION: NORMAL AND ALARM CONDITIONS THAT ORIGINATE FROM NON-DELTA CONTROLLERS SHALL UTILIZE THE BACnet POINTS MADE AVAILABLE BY THE MANUFACTURER TO DETERMINE ANNUNCIATOR FEEDBACK.

NORMAL AND ALARM EQUIPMENT CONDITIONS: TCC SHALL MONITOR EQUIPMENT RUN COMMANDS AND STATUS FEEDBACK ON EQUIPMENT CONTROLLED BY THIRD PARTY CONTROLLERS TO DETERMINE AN ALARM (RED) OR NORMAL (GREEN) CONDITION.

1A TCC BUILDING MANAGEMENT SYSTEM ANNUNCIATOR PANEL NOT TO SCALE



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M.S.D. of Washington Township
WASHINGTON TOWNSHIP SCHOOLS
SERVICES CENTER RENOVATION - PHASE 6B

TEMPERATURE CONTROLS SCHEMATICS
M-701

GENERAL HVAC NOTES

A. DARK LINES INDICATE NEW WORK.

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

MECHANICAL HVAC PLAN NOTES

| # | NOTE |
|---|--|
| 1 | RECONNECT EXISTING DUCTWORK TO NEW MECHANICAL EQUIPMENT. TRANSITION AS NECESSARY. CONNECT NEW TO EXISTING GAS PIPING AND NEW REFRIGERANT PIPING. SIZE PER MANUFACTURER'S INSTRUCTIONS. |
| 2 | NEW CONDENSING UNIT ON EXISTING CEMENT HOUSEKEEPING PAD. |
| 3 | REUSE EXISTING CEMENT HOUSEKEEPING PAD. EXTEND IF NECESSARY. |
| 4 | REFRIGERANT SUPPLY/RETURN ROUTING MERELY A SUGGESTION. SIZE, ROUTE, AND INSTALL PER MANUFACTURER'S RECOMMENDATIONS. |
| 5 | RELOCATE AND RECONNECT EXISTING DIFFUSER. CLEAN AND INSTALL TO ALIGN TO NEW CEILING GRID. BALANCE TO CFM SPECIFIED. |
| 6 | WALL SWITCH LOCATION FOR H.V.S. FAN IN CORRESPONDING ROOM. |



SCHMIDT ASSOCIATES
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Indianapolis, IN 46204
www.schmidt-arch.com

Project No. 2019-067.WSC
Project Date 07.31.2024
Produced PFS




Sarah K. Hempstead

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| # | Revision | Date |
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| A1 | ADDENDUM #1 | 08.22.2024 |

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Indianapolis, IN 46240



KEY PLAN

M.S.D. of Washington Township



WASHINGTON TOWNSHIP SCHOOLS

WAREHOUSE RENOVATIONS

FIRST FLOOR HVAC PLAN

WMH101



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

DATE PLOTTED: 08/22/2024 10:58:11 AM
PLOTTER: HP DesignJet T1100e
SCALE: 1/8" = 1'-0"
SHEET: 101 OF 101

| GAS-FIRED, DX FURNACE SCHEDULE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------------------------|--------------|-------|---------------|------|-------------|--------------|-----------|------|------|-----------------------|-------------|--------|------|---------|-----------------|---------------|--------|-------------|----------------|-----------------|----------|----------|----------|------|--------|-------------|-----------|----|-----------|---------|----------|-------|
| IDENTITY DATA | | | | | SUPPLY FAN | | | | | GAS HEATING DATA | | | | | DX COOLING DATA | | | | | ELECTRICAL DATA | | | | | | | | | | | | |
| MARK | MANUFACTURER | MODEL | LOCATION | AFUE | AREA SERVED | WEIGHT (LBS) | UNIT SIZE | | | COOLING AIRFLOW (CFM) | ESP (IN-WG) | DRIVE | HP | FILTER | INPUT (BTUH) | OUTPUT (BTUH) | STAGES | TOTAL (MBH) | SENSIBLE (MBH) | EDB (°F) | EWB (°F) | LDB (°F) | LWB (°F) | EER | REF. | ESP (IN-WG) | VOLTS (V) | PH | FREQ (HZ) | MCA (A) | MOCP (A) | NOTES |
| F-1 | BRYANT | 915SB | WAREHOUSE 101 | 95+ | WORKSHOPS | 120 | 29.5 | 14.2 | 35.0 | 950 | 0.5 | DIRECT | 0.5 | 16"x25" | 40,000 | 39,000 | 1 | 23.14 | 16.75 | 80 | 67 | 60.6 | 56.2 | 11.5 | R-410A | 0.5 | 120 | 1 | 60 | 9.7 | 15 | 1-3 |
| F-2 | BRYANT | 916SA | MECH 13 | 96+ | OFFICE | 181 | 29.5 | 24.0 | 35.0 | 2,230 | 0.5 | DIRECT | 1.0 | 24"x25" | 140,000 | 135,000 | 1 | 54.52 | 39.52 | 80.0 | 67.0 | 59.8 | 57.8 | 11.5 | R-410A | 0.5 | 120 | 1 | 60 | 16.7 | 20 | 1-3 |
| F-3 | BRYANT | 916SA | MECH 13 | 96+ | PD | 150 | 29.5 | 17.5 | 35.0 | 1,625 | 0.5 | DIRECT | 0.75 | 16"x25" | 80,000 | 78,000 | 1 | -- | -- | -- | -- | -- | -- | -- | -- | -- | 120 | 1 | 60 | 13.4 | 15 | 1-4 |

- FURNACE SCHEDULE NOTES:**
- DISCONNECT BY MANUFACTURER.
 - 65 KA SCRR.
 - STANDALONE MANUFACTURER PROVIDED TSTAT, 7-DAY PROGRAMMABLE, NO GAS CONNECTION.
 - HEATING ONLY. NO EVAPORATOR WILL BE ADDED TO THIS FURNACE.

| AIR COOLED CONDENSING UNIT SCHEDULE - 23 62 00.99 | | | | | | | | | | | | | | | | | | | | | | | | |
|---|--------------|-------|---------------|--------------|--------------|----------------|--------------|--------|----------|--------------|---------|----------|-----|----------|------------|------------|----|---------|----------|-----------------|--|--|--|--|
| IDENTITY DATA | | | | | COOLING DATA | | | | | CONDENSER | | | | | COMPRESSOR | | | | | ELECTRICAL DATA | | | | |
| MARK | MANUFACTURER | MODEL | SYSTEM SERVED | WEIGHT (LBS) | REF. TYPE | NOMINAL (TONS) | TOTAL (BTUH) | STAGES | MIN SEER | AMB. DB (°F) | FAN QTY | FLA EACH | QTY | RLA EACH | VOLTS (V) | FREQ. (HZ) | PH | MCA (A) | MOCP (A) | NOTES | | | | |
| CU-1 | BRYANT | 114S | F-1 | 121 | R-410A | 2.0 | 24,000 | 1 | 14.0 | 95 | 1 | 0.5 | 1 | 11.7 | 240 | 60 | 1 | 15.1 | 25 | 1-3 | | | | |
| CU-2 | BRYANT | 114S | F-2 | 206 | R-410A | 5.0 | 60,000 | 1 | 14.0 | 95 | 1 | 1.5 | 1 | 25.6 | 240 | 60 | 1 | 33.5 | 50 | 1-3 | | | | |

- AIR COOLED CONDENSING UNIT SCHEDULE NOTES:**
- DISCONNECT BY MANUFACTURER. SINGLE POINT POWER. 65 KA SCRR.
 - SEE M-700 SERIES SHEETS FOR TEMPERATURE CONTROLS INFORMATION.
 - MECHANICAL CONTRACTOR SHALL COORDINATE REFRIGERANT PIPE SIZING AND PIPE ROUTING WITH MANUFACTURER.

| HIGH-VOLUME, LOW-SPEED FAN SCHEDULE - 23 34 39 | | | | | | | | | | | | | | | | | | | | | | | | |
|--|--------------|------------|----------------|--------------|--------------|----------------------|--------------|------|---------|-------------------|---------|-----------|----|-----------|---------|----------|--------------|-------|--|-----------------|--|--|--|--|
| IDENTITY DATA | | | | | AIRFLOW DATA | | | | | MOTOR DATA | | | | | NOISE | | | | | ELECTRICAL DATA | | | | |
| MARK | MANUFACTURER | MODEL | LOCATION | WEIGHT (LBS) | FLOW (CFM) | SPEED @ 5' AFF (FPM) | TYPE | W | MAX RPM | AIRFOIL FINISH | MAX DBA | VOLTS (V) | PH | FREQ (HZ) | FLA (A) | MOCP (A) | UNIT CONTROL | NOTES | | | | | | |
| HVLS-1 | GREENHECK | DC-5-5-3MV | PLUMBER 110 | 29 | 3,312 | 35 | DIRECT DRIVE | 50.0 | 196 | EXTRUDED ALUMINUM | 21 | 115 | 1 | 60 | 1.6 | 15.0 | WALL SWITCH | 1-7 | | | | | | |
| HVLS-2 | GREENHECK | DC-5-5-3MV | LOCKSMITH | 31 | 4,411 | 32 | DIRECT DRIVE | 50.0 | 165 | EXTRUDED ALUMINUM | 20 | 115 | 1 | 60 | 1.6 | 15.0 | WALL SWITCH | 1-7 | | | | | | |
| HVLS-3 | GREENHECK | DC-5-5-3MV | ELECTRICAL | 31 | 4,411 | 32 | DIRECT DRIVE | 50.0 | 165 | EXTRUDED ALUMINUM | 20 | 115 | 1 | 60 | 1.6 | 15.0 | WALL SWITCH | 1-7 | | | | | | |
| HVLS-4 | GREENHECK | DC-5-5-3MV | PAINT SHOP | 29 | 3,312 | 37 | DIRECT DRIVE | 50.0 | 196 | EXTRUDED ALUMINUM | 21 | 115 | 1 | 60 | 1.6 | 15.0 | WALL SWITCH | 1-7 | | | | | | |
| HVLS-5 | GREENHECK | DC-5-5-3MV | LUMBER STORAGE | 31 | 6,166 | 43 | DIRECT DRIVE | 50.0 | 165 | EXTRUDED ALUMINUM | 23 | 115 | 1 | 60 | 1.6 | 15.0 | WALL SWITCH | 1-7 | | | | | | |

- HIGH-VOLUME, LOW-SPEED FAN SCHEDULE NOTES:**
- DISCONNECT BY MANUFACTURER.
 - MANUFACTURER-PROVIDED, FACTORY-MOUNTED, WIRED, AND PROGRAMMED VARIABLE FREQUENCY DRIVE.
 - 24" DOWNROD.
 - GUY WIRES.
 - SECONDARY SUPPORT CABLES.
 - WALL-MOUNTED SPEED CONTROLLERS. CONTROLLERS TO BE PROVIDED WITH TAMPER-PROOF COVERS.
 - DESIGNED FOR EITHER FORWARD OR REVERSE OPERATION.



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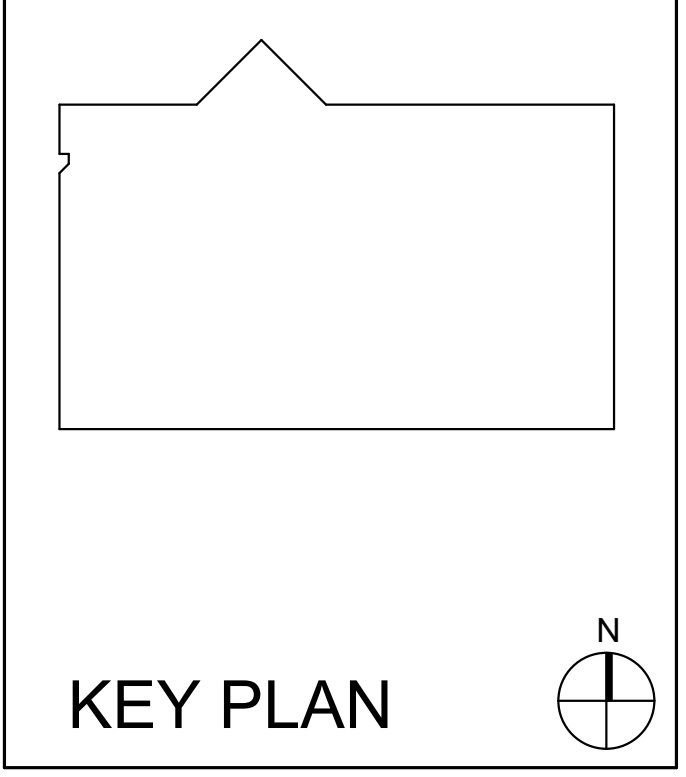
Project No. 2019-067.WSC
Project Date 07.31.2024
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Sarah K. Hempstead
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| # | Revision | Date |
|----|-------------|------------|
| A1 | ADDENDUM #1 | 08.22.2024 |

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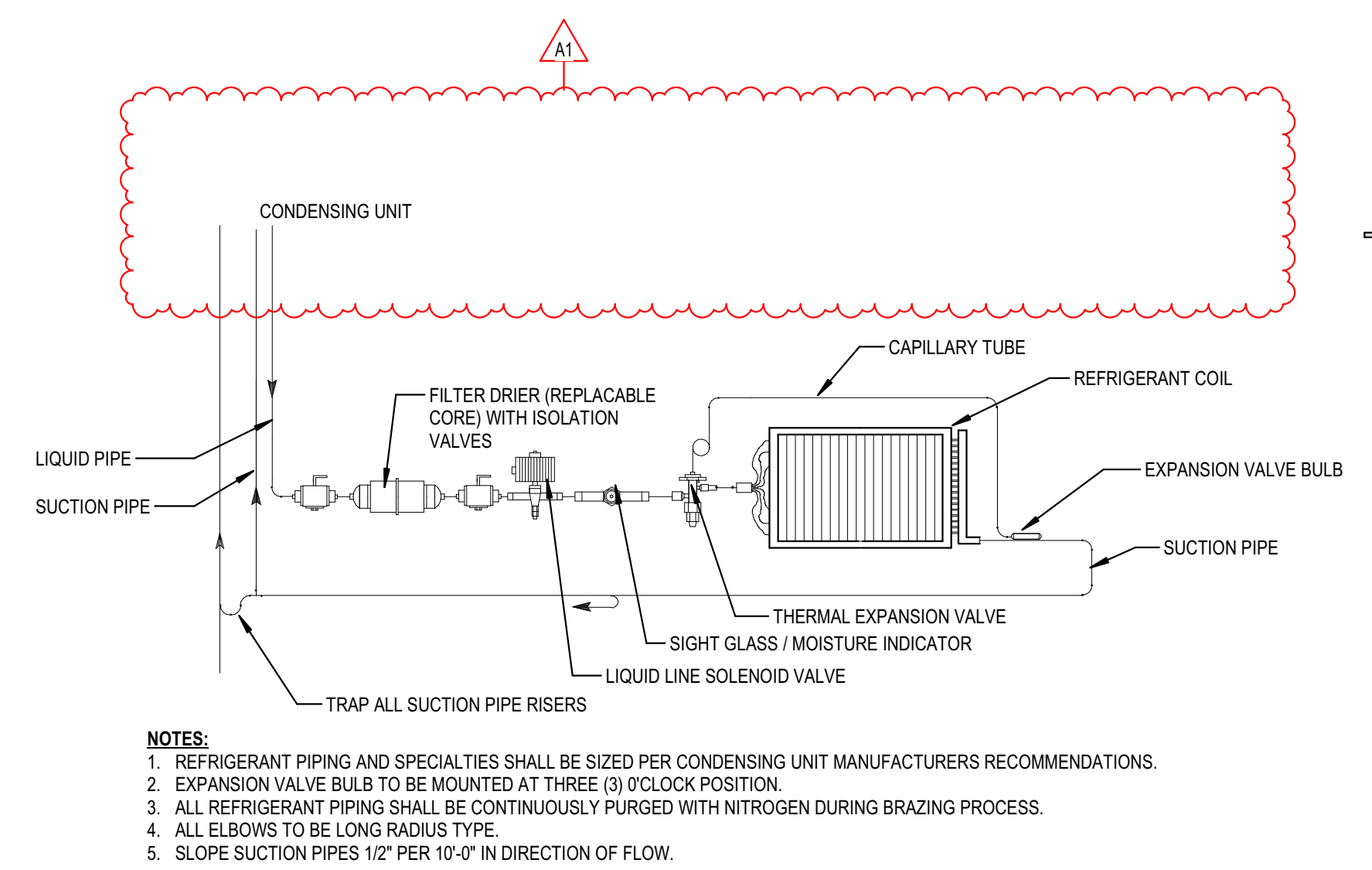
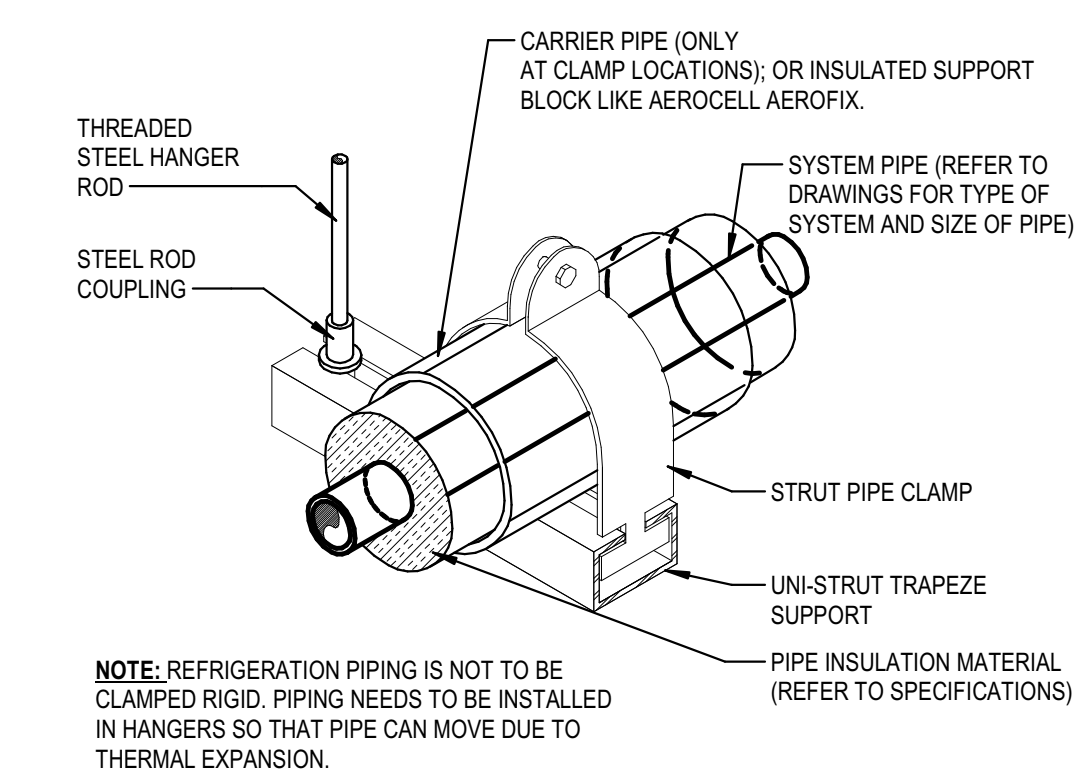
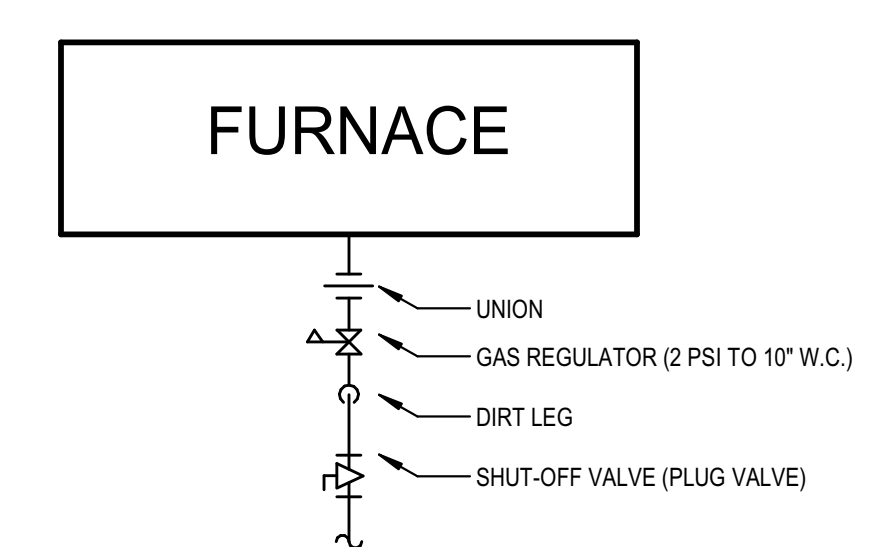


WASHINGTON TOWNSHIP SCHOOLS

WAREHOUSE RENOVATIONS

MECHANICAL DETAILS

WM-501



ARCHITECT: MCDERMOTT ARCHITECTS, INC.
 PROJECT: M.S.D. OF WASHINGTON TOWNSHIP, WASHINGTON TOWNSHIP, INDIANAPOLIS, IN
 SHEET: WM-501 (MECHANICAL DETAILS)
 DATE: 08/22/2024

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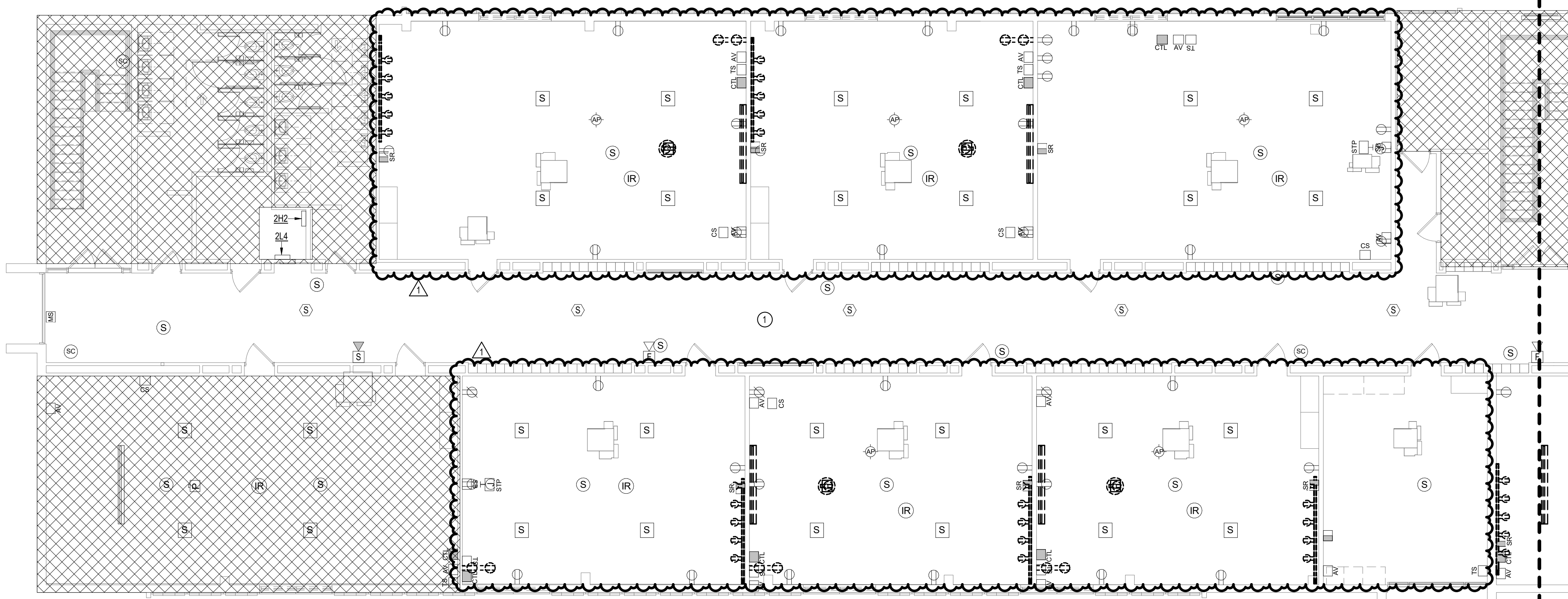
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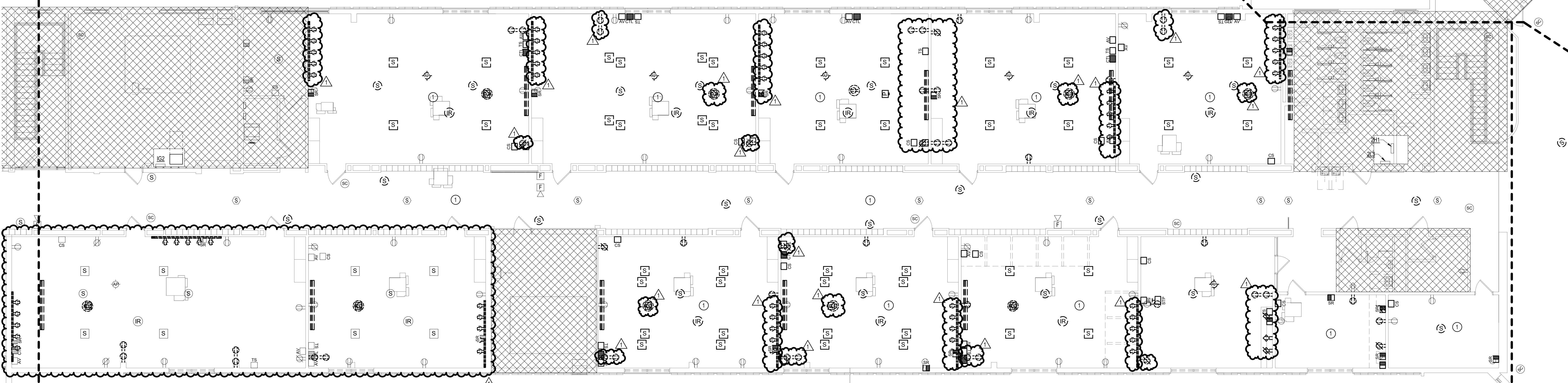
C

B

A



1 SECOND FLOOR DEMOLITION ELECTRICAL PLAN - UNIT A.2
1/8" = 1'-0"



2 SECOND FLOOR DEMOLITION ELECTRICAL PLAN - UNIT A.1
1/8" = 1'-0"

6

5

4

3

2

1

GENERAL NOTES

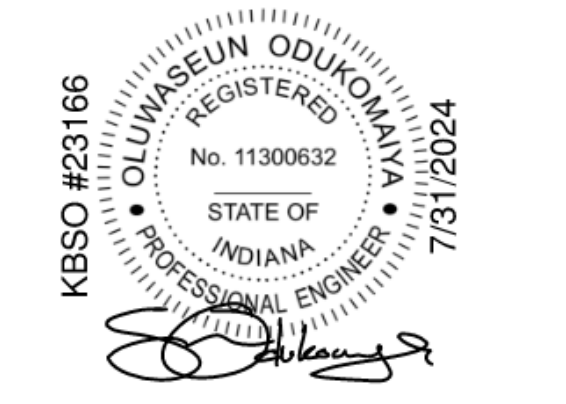
- A REFER TO SHEET E000 FOR GENERAL ELECTRICAL NOTES, SYMBOLS AND ABBREVIATIONS.
- B NOT ALL ITEMS TO BE DEMOLISHED ARE SHOWN. DISCONNECT AND REMOVE ALL EXISTING ELECTRICAL EQUIPMENT, DEVICES, ASSOCIATED RACEWAYS, SUPPORTING HARDWARE, AND WIRING, WHICH HAVE BEEN MADE OBSOLETE BY THE NEW WORK, UNLESS OTHERWISE NOTED. VISUALLY EXAMINE ALL AREAS, WALLS AND CEILINGS SCHEDULED FOR REMOVAL TO DETERMINE EXACT QUANTITIES REQUIRED TO BE REMOVED.
- C MAINTAIN CIRCUIT CONTINUITY TO ALL EXISTING FIXTURES, EQUIPMENT, OUTLETS, ETC. TO REMAIN IN USE WHETHER NOTED ON THE PLANS OR NOT. FIELD VERIFY EXISTING ITEMS TO REMAIN IN USE. RECONNECT RACEWAYS AND WIRING FOR EXISTING CIRCUITS WHICH MUST BE RE-ROUTED OR WHICH ARE PARTIALLY ABANDONED TO POWER THE REMAINING OUTLETS ON THE CIRCUIT.
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- E CUT AND GRIND ALL ABANDONED CONDUITS OFF FLUSH WITH FLOOR SLAB OR MASONRY WALL AND PLUG WITH NON-SHRINK WATERPROOF GROUT FILL.
- F COORDINATE ALL DEMOLITION WORK WITH ALL OTHER TRADES.
- G WHERE ELECTRICAL DEVICES ARE BEING REMOVED A WALL TO REMAIN, PROVIDE A BLANK COVER. MATCH THE COLOR AND MATERIAL TO NEW PROJECT STANDARDS.
- H LEGALLY DISPOSE OF HAZARDOUS MATERIALS. COMPLY WITH ALL FEDERAL, STATE, AND LOCAL LAWS.
- I REPLACE EXISTING PANEL DIRECTORIES FOR PANELBOARDS WHICH HAVE HAD CIRCUIT ALTERATIONS. TYPE: DO NOT HAND LETTER NEW PANELBOARD DIRECTORIES.
- J FIELD VERIFY EXACT LOCATIONS OF ALL EXISTING EQUIPMENT AND DEVICES PRIOR TO COMMENCING DEMOLITION. DOCUMENT ALL DEVICE LOCATIONS. DIFFERENCES TO BE DOCUMENTED ON AS-BUILT DRAWINGS.
- K CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR HAVING COMPLETE KNOWLEDGE OF THIS SITE, INCLUDING EXISTING STRUCTURES AND FACILITIES. CONTRACTOR TO INCLUDE IN THEIR BID ANY DISCREPANCIES BETWEEN THE ELECTRICAL DRAWINGS AND EXISTING CONDITIONS AND THE ELECTRICAL DRAWINGS AND ARCHITECTURAL, MECHANICAL, PLUMBING DRAWINGS.

SHEET KEYNOTES

- 1 IN CEILINGS NOTED TO BE REPLACED BY ARCHITECT. FIRE ALARM DEVICES TO BE REMOVED AND EXISTING CEILING AND SUPPORTED ABOVE CEILING TO BE INSTALLED IN NEW CEILING WHEN INSTALLED.



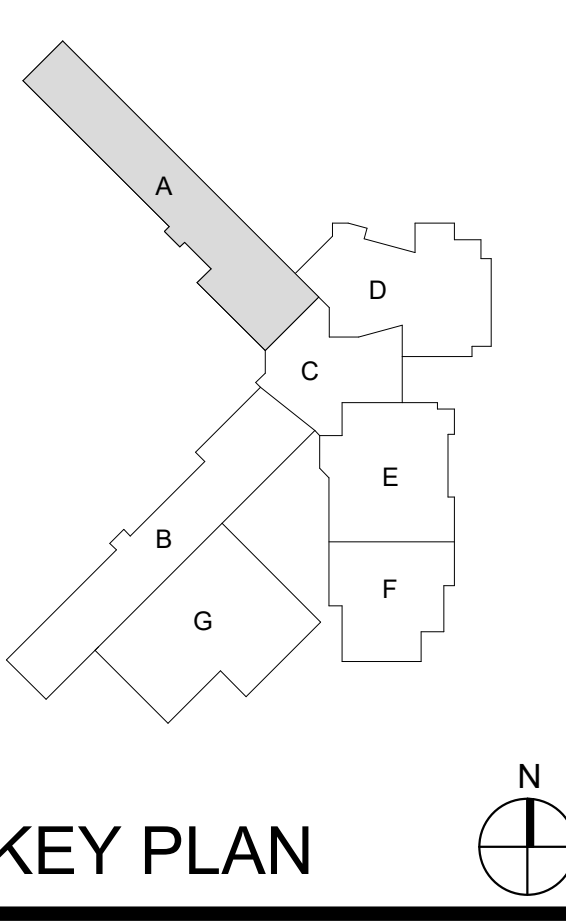
Project No. 2019-067.OSC
Project Date 07.31.2024
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| ADDENDUM #1 | | 08.22.2024 |

8401 Westfield Blvd
Indianapolis, IN 46240



M.S.D. of Washington Township



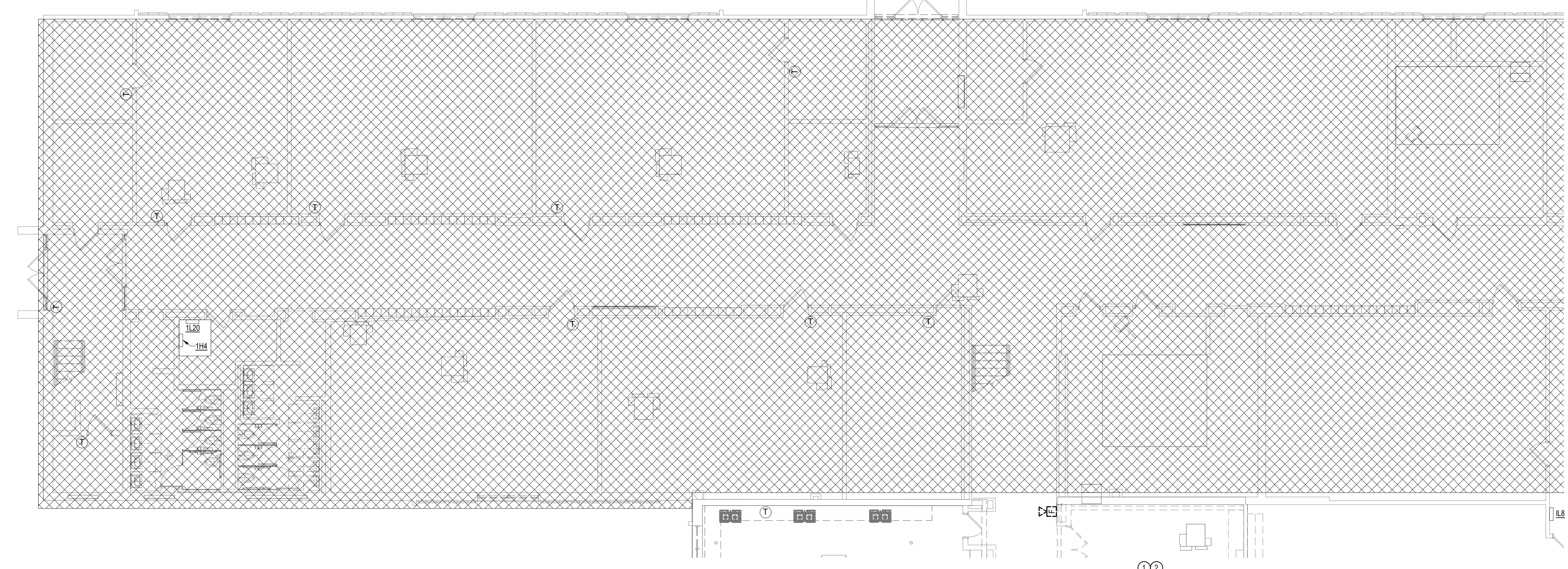
SERVICES CENTER RENOVATION - PHASE 6B

SECOND FLOOR DEMOLITION ELECTRICAL PLAN - UNIT A
ED1A2

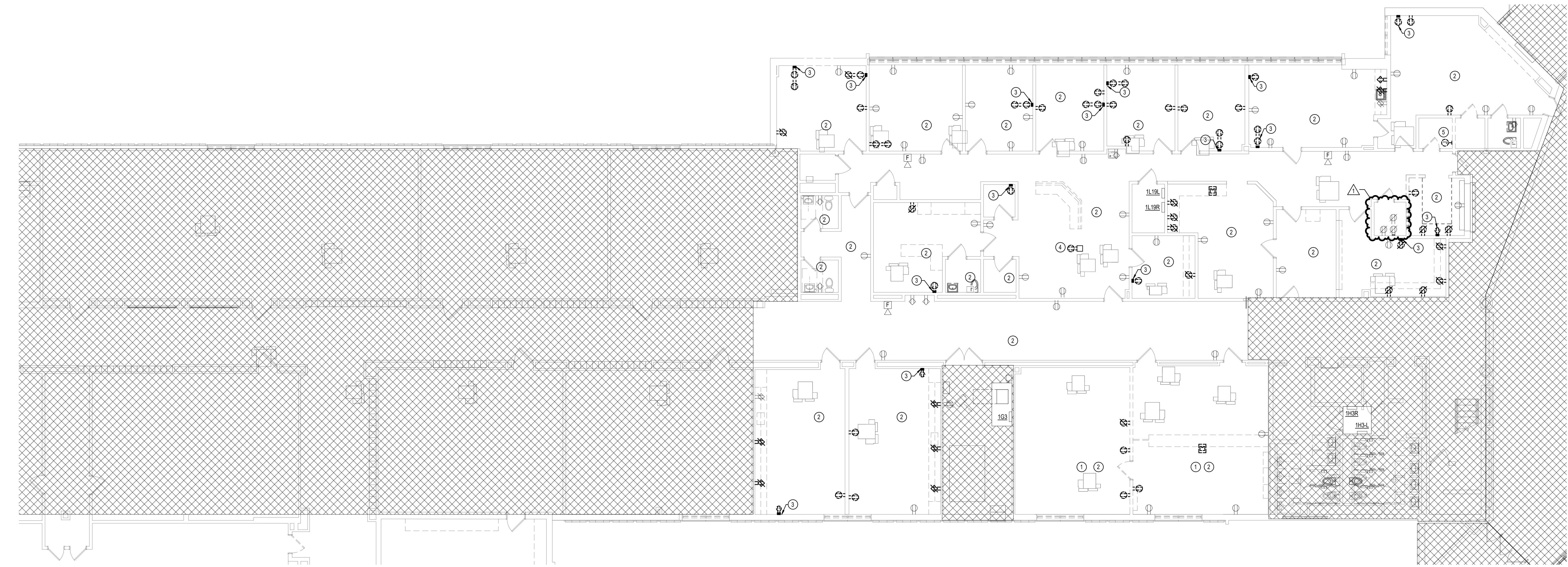
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E D C B A



2 FIRST FLOOR DEMOLITION ELECTRICAL PLAN - UNIT B.2
1/8" = 1'-0"



1 FIRST FLOOR DEMOLITION ELECTRICAL PLAN - UNIT B.1
1/8" = 1'-0"

GENERAL NOTES

- A REFER TO SHEET E000 FOR GENERAL ELECTRICAL NOTES, SYMBOLS AND ABBREVIATIONS.
- B NOT ALL ITEMS TO BE DEMOLISHED ARE SHOWN. DISCONNECT AND REMOVE ALL EXISTING ELECTRICAL EQUIPMENT, DEVICES, ASSOCIATED RACEWAYS, SUPPORTING HARDWARE, AND WIRING WHICH HAVE BEEN MADE OBSOLETE BY THE NEW WORK, UNLESS OTHERWISE NOTED. VISIBLY EXAMINE ALL AREAS, WALLS AND CEILINGS SCHEDULED FOR REMOVAL TO DETERMINE EXACT QUANTITIES REQUIRED TO BE REMOVED.
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- H LEGALLY DISPOSE OF HAZARDOUS MATERIALS. COMPLY WITH ALL FEDERAL, STATE, AND LOCAL LAWS.
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SHEET KEYNOTES

- 1 WITH IN DEMOLISHED WALLS REMOVE ALL DEVICES. REMOVE WIRING AND CONDUIT FOR REMOVED DEVICES BACK TO NEAREST JUNCTION BOX. CIRCUITS TO ALL DEVICES EXISTING TO REMAIN SHALL REMAIN OPERATIONAL. MODIFY CIRCUITS AS REQUIRED TO MAINTAIN CIRCUITS. CIRCUITS REMOVED COMPLETELY SHALL HAVE CORDUT AND WIRE BACK TO PANEL DEMOLISHED.
- 2 IN CEILINGS NOTED TO BE REPLACED BY ARCHITECT. FIRE ALARM DEVICES TO BE REMOVED FROM EXISTING CEILING AND SUPPORTED ABOVE CEILING TO BE INSTALLED IN NEW CEILING WHEN INSTALLED.
- 3 REMOVE EXISTING RACEWAY COMPLETE.
- 4 REMOVE EXISTING POWER POLE WITH RECEPTACLES COMPLETE.
- 5 ELECTRICAL CONNECTION FOR SPLIT SYSTEM TO BE RELOCATED. SEE NEW PLANS FOR NEW LOCATION.



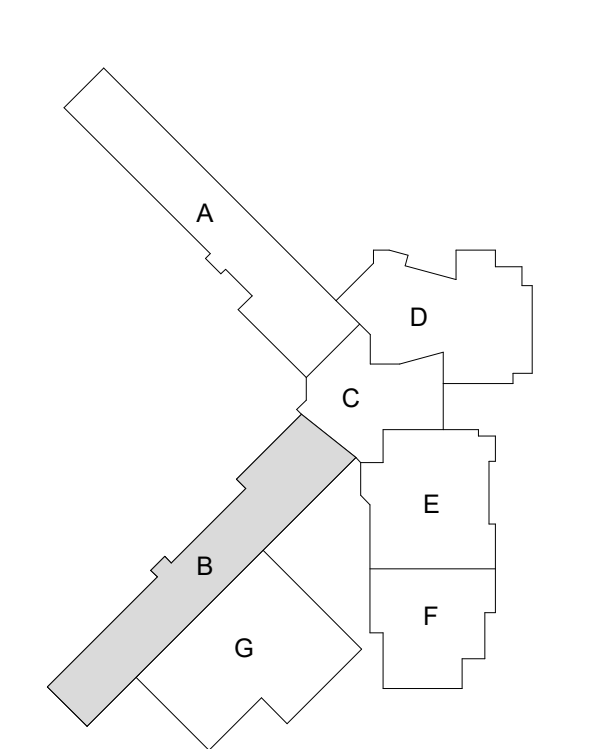
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| 1 | ADDENDUM #1 | 08.22.2024 |

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KEY PLAN

M.S.D. of Washington Township



WASHINGTON TOWNSHIP SCHOOLS

SERVICES CENTER RENOVATION - PHASE 6B

FIRST FLOOR DEMOLITION ELECTRICAL PLAN - UNIT B

ED1B1

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 PROJECT: 2019-067.OSC
 SHEET: ED1B1
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 CHECKED: NEM
 APPROVED: NEM
 DATE: 08/22/2024

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SHEET KEYNOTES

- 1 DISCONNECT AND REMOVE EXISTING LIGHT FIXTURES IN THIS ROOM. EXISTING CEILING TO REMAIN. PROTECT DURING CONSTRUCTION. EXISTING CEILING TO BE REMOVED BY TRADES RESPONSIBLE FOR CEILING TO BE REMOVED FROM EXISTING CEILING AND SUPPORTED ABOVE CEILING TO BE INSTALLED IN NEW CEILING WHEN INSTALLED.



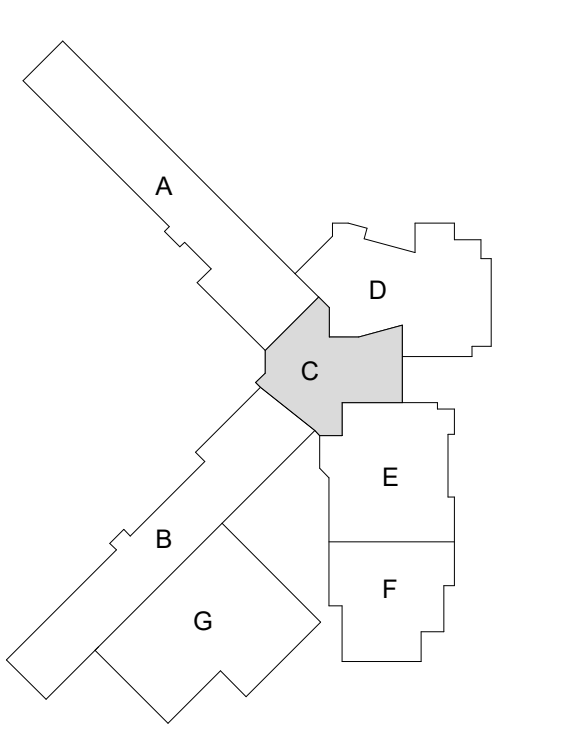
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KEY PLAN

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WASHINGTON TOWNSHIP SCHOOLS

SERVICES CENTER RENOVATION - PHASE 6B

FIRST FLOOR DEMOLITION ELECTRICAL PLAN - UNIT C

ED1C1

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

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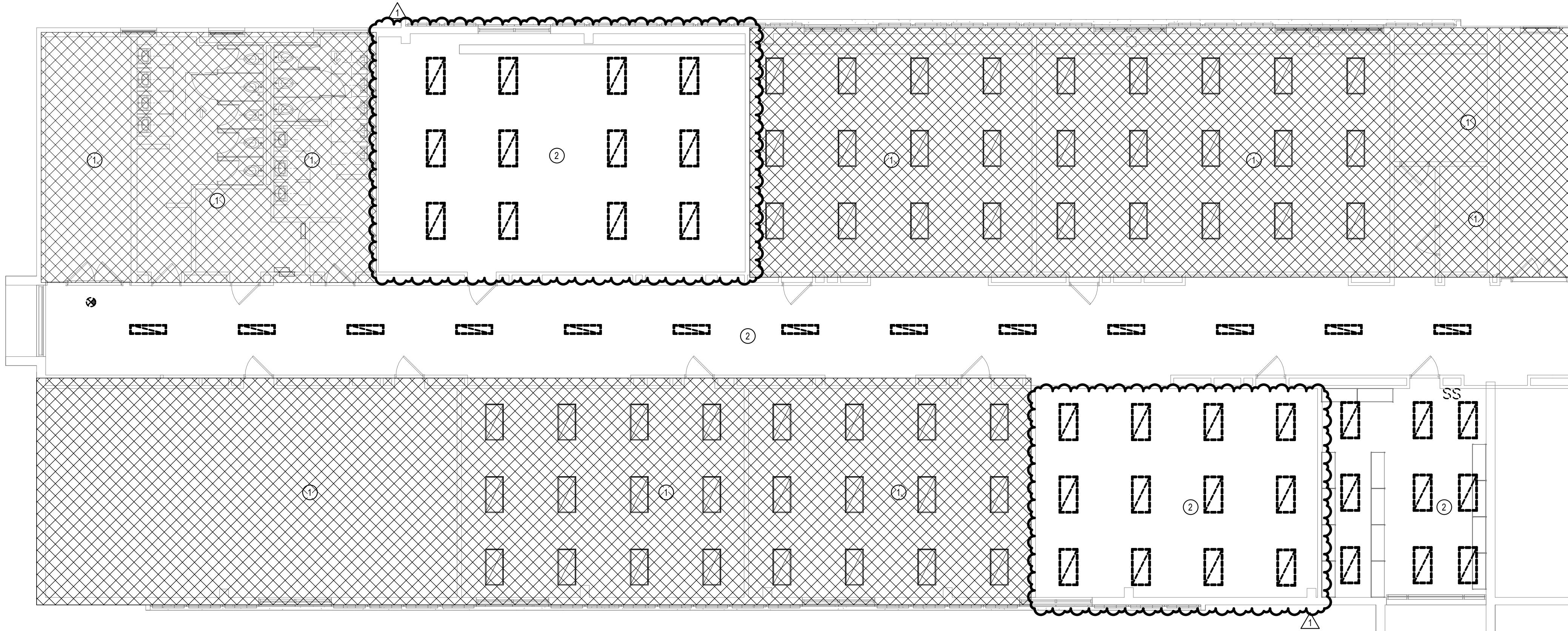
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GENERAL NOTES

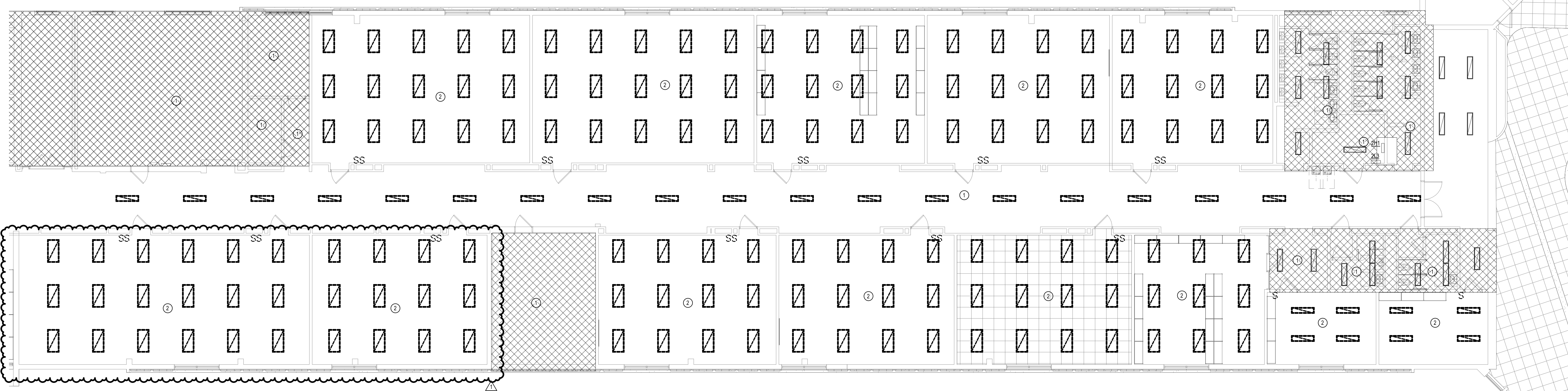
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SHEET KEYNOTES

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1 SECOND FLOOR DEMOLITION LIGHTING PLAN - UNIT A.2
1/8" = 1'-0"



2 SECOND FLOOR DEMOLITION LIGHTING PLAN - UNIT A.1
1/8" = 1'-0"

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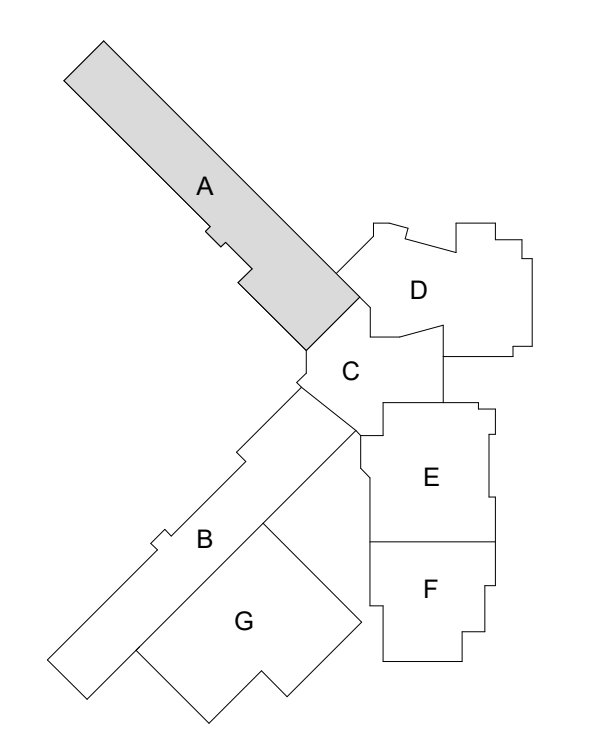
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Project Date 07.31.2024
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KEY PLAN

M.S.D. of Washington Township



WASHINGTON TOWNSHIP SCHOOLS

SERVICES CENTER RENOVATION - PHASE 6B

SECOND FLOOR DEMOLITION LIGHTING PLAN - UNIT A

EDL1A2

DATE: 08/22/2024 10:58:00 AM
 PROJECT: 2019-067.OSC - PHASE 6B - SERVICES CENTER RENOVATION - PHASE 6B
 SHEET: EDL1A2 - SECOND FLOOR DEMOLITION LIGHTING PLAN - UNIT A
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 CHECKED BY: KJE
 PLOTTED BY: KJE
 PLOT DATE: 08/22/2024 10:58:00 AM

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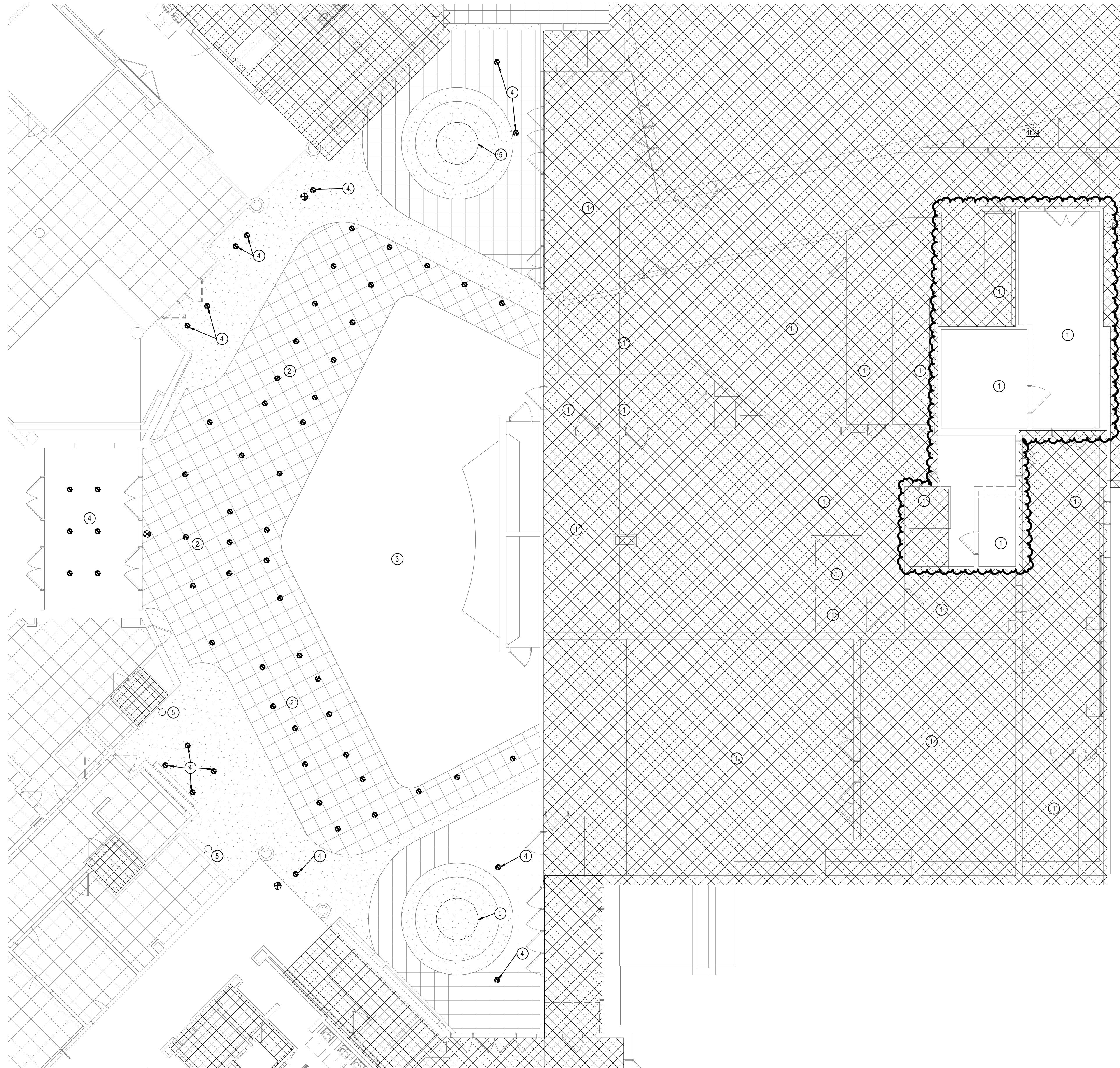
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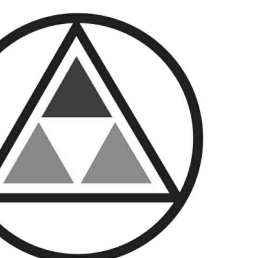
1 FIRST FLOOR DEMOLITION LIGHTING PLAN - UNIT C
1/8" = 1'-0"

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SHEET KEYNOTES

- 1 NO WORK IN THIS SPACE. NOT INCLUDED IN SCOPE.
- 2 DISCONNECT AND REMOVE EXISTING DOWNLIGHT FIXTURES WITHIN THE 2'x2' GRID CEILING.
- 3 REFER TO LEVEL ABOVE FOR LIGHTING WITHIN THIS AREA.
- 4 DISCONNECT AND REMOVE EXISTING LIGHT FIXTURE. MAINTAIN LOCATION FOR A ONE FOR ONE REPLACEMENT.
- 5 EXISTING DECORATIVE LIGHT FIXTURE TO REMAIN. REFER TO NEW LIGHTING PLANS FOR ADDITIONAL INFORMATION.



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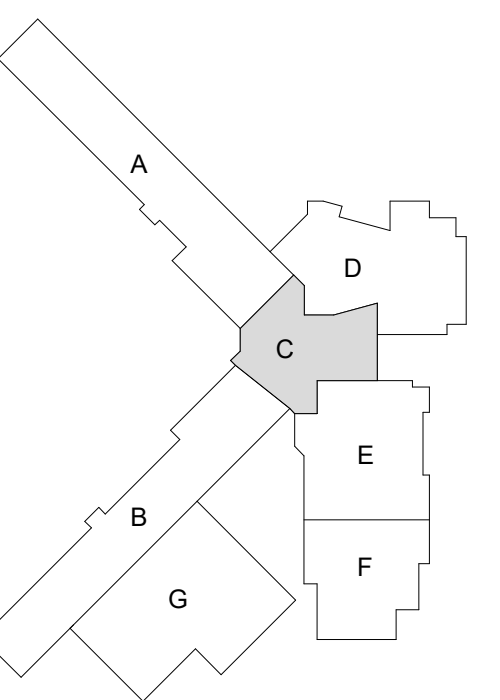
Project No. 2019-067.OSC
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KEY PLAN

M.S.D. of Washington Township



WASHINGTON TOWNSHIP SCHOOLS

SERVICES CENTER RENOVATION - PHASE 6B

FIRST FLOOR DEMOLITION LIGHTING PLAN - UNIT C

EDL1C1

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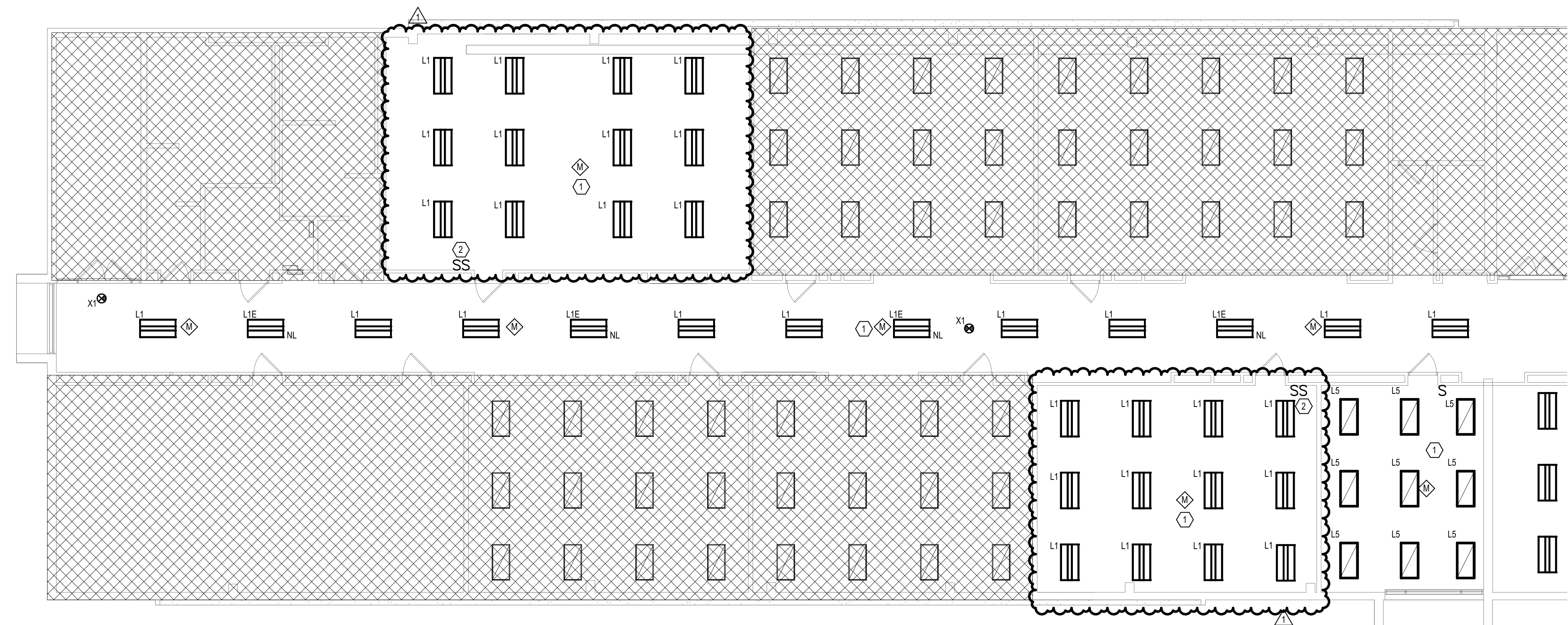
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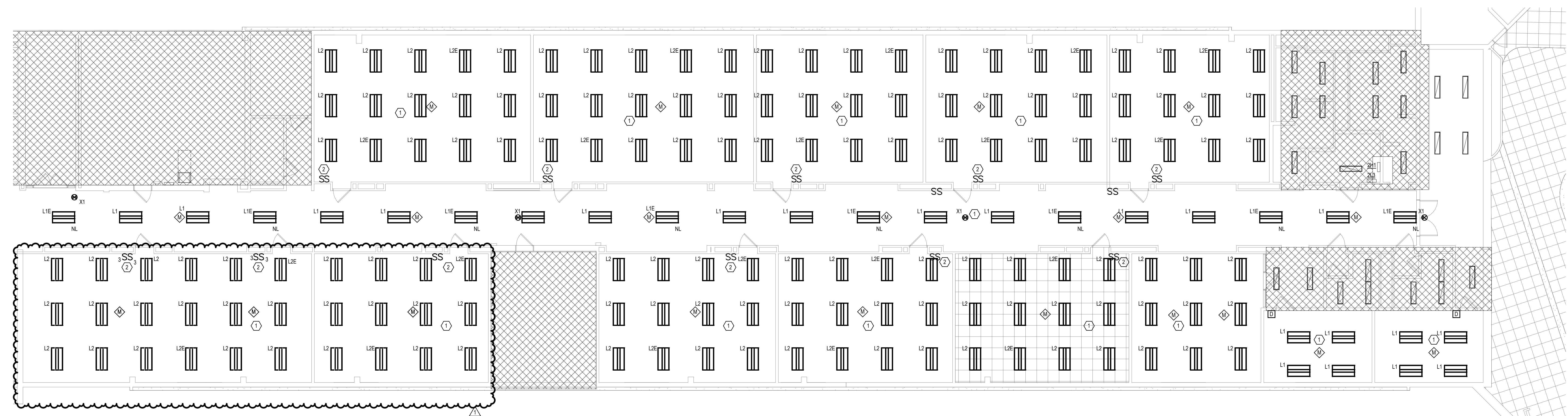
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 SHEET: EDL1C1
 DRAWN BY: KJE
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 DATE: 08/22/2024

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2 SECOND FLOOR LIGHTING PLAN - UNIT A.1
1/8" = 1'-0"



1 SECOND FLOOR LIGHTING PLAN - UNIT A.2
1/8" = 1'-0"

GENERAL NOTES

- A REFER TO SHEET E000 FOR GENERAL ELECTRICAL NOTES, SYMBOLS AND ABBREVIATIONS.
- B REFER TO E600 SERIES FOR LIGHT FIXTURE SCHEDULES AND PANEL SCHEDULES.
- C COORDINATE INSTALLATION OF LIGHT FIXTURES WITH ARCHITECTURAL REFLECTED CEILING PLANS, ARCHITECTURAL ELEVATIONS, MECHANICAL EQUIPMENT DIFFUSERS, SUPPORTS, PING, DUCTWORK AND STRUCTURAL PLANS PRIOR TO ROUGH-IN. IN AREAS OF CEILING REPLACEMENT REMOVE EXISTING LIGHTS AND MAINTAIN EXISTING CIRCUITS FOR ONE FOR ONE DIRECT REPLACEMENT WITH NEW FIXTURES AS SHOWN.
- D GROUP OCCUPANCY SENSORS TO CONTROL UNBROKEN SECTIONS OF HALLWAY.
- E ALL COVER PLATES FOR ELECTRICAL DEVICES SHALL BE OF A COLOR TO MATCH THE AREA COLOR SCHEME AS DIRECTED BY THE ARCHITECT.
- F WHERE POSSIBLE, REUSE EXISTING BACKBOX FOR NEW LIGHTING CONTROLS.
- G EMERGENCY LIGHTING SHOWN ON THIS DRAWING INDICATES CODE REQUIRED EMERGENCY.
- H LABEL ALL RELAYS AND POWER SUPPLIES (ON THE DEVICE OR ON THE BOX THEY ARE CONNECTED TO) WITH THE AREA THE DEVICE SERVES, THE BRANCH CIRCUIT IT CONTROLS AND THE DEVICE ADDRESS (IF APPLICABLE).
- I REFER TO ARCHITECTURAL DRAWINGS FOR DIMENSIONS, ROOM AND AREA FINISHES, CEILING PLANS, DOOR SWINGS, FIRE RATED PARTITIONS, CABINET AND CASEWORK AND BUILT-IN DETAILS.
- J UNLESS OTHERWISE NOTED, ALL NEW LIGHT FIXTURES SHALL BE CONNECTED TO EXISTING CIRCUIT SERVING PREVIOUSLY DEMOLISHED LIGHT FIXTURES WITHIN THE SAME ROOM.
- K WHERE MULTIPLE SWITCHES ARE SHOWN ADJACENT TO EACH OTHER, GANG TOGETHER IN SINGLE FACEPLATE WITH MULTIPLE SWITCH OUTLET.
- L LOCATE CEILING MOUNTED OCCUPANCY SENSORS TO PROVIDE COMPLETE AREA COVERAGE OF THE SPACE THAT THEY ARE INSTALLED IN. SELECT PROPER SENSOR COVERAGE PATTERN FROM MANUFACTURER'S PRODUCT DATA TO DETERMINE COVERAGE. ADDITIONAL SENSORS REQUIRED DUE TO LACK OF COVERAGE SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND THE MANUFACTURER. SENSORS SHALL INCLUDE ALL POWER SUPPLIES AND RELAYS NECESSARY FOR PROPER OPERATION.

SHEET KEYNOTES

- 1 PROVIDE NEW LIGHT FIXTURES AND CONTROLS IN THIS SPACE. INSTALL NEW LIGHT FIXTURE IN THE SAME LOCATION AS EXISTING LIGHT FIXTURE. REUSE EXISTING CIRCUITRY.
- 2 PROVIDE ON/OFF LIGHT SWITCHES. LIGHTING LOCATED AT PROJECTION SCREEN/WHITEBOARD TO BE CONTROLLED ON ONE ZONE. ALL REMAINING LIGHTING TO BE ON SECOND ZONE.

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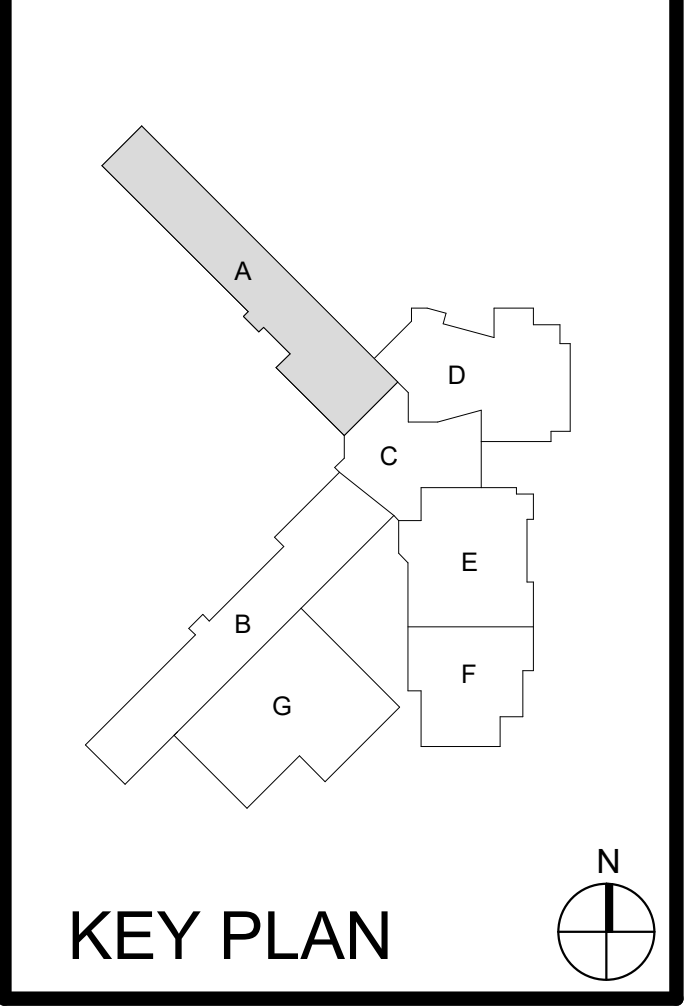
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| ADDENDUM #1 | | 08.22.2024 |

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Indianapolis, IN 46240



M.S.D. of Washington Township



SERVICES CENTER RENOVATION - PHASE 6B

SECOND FLOOR LIGHTING PLAN - UNIT A

EL1A2

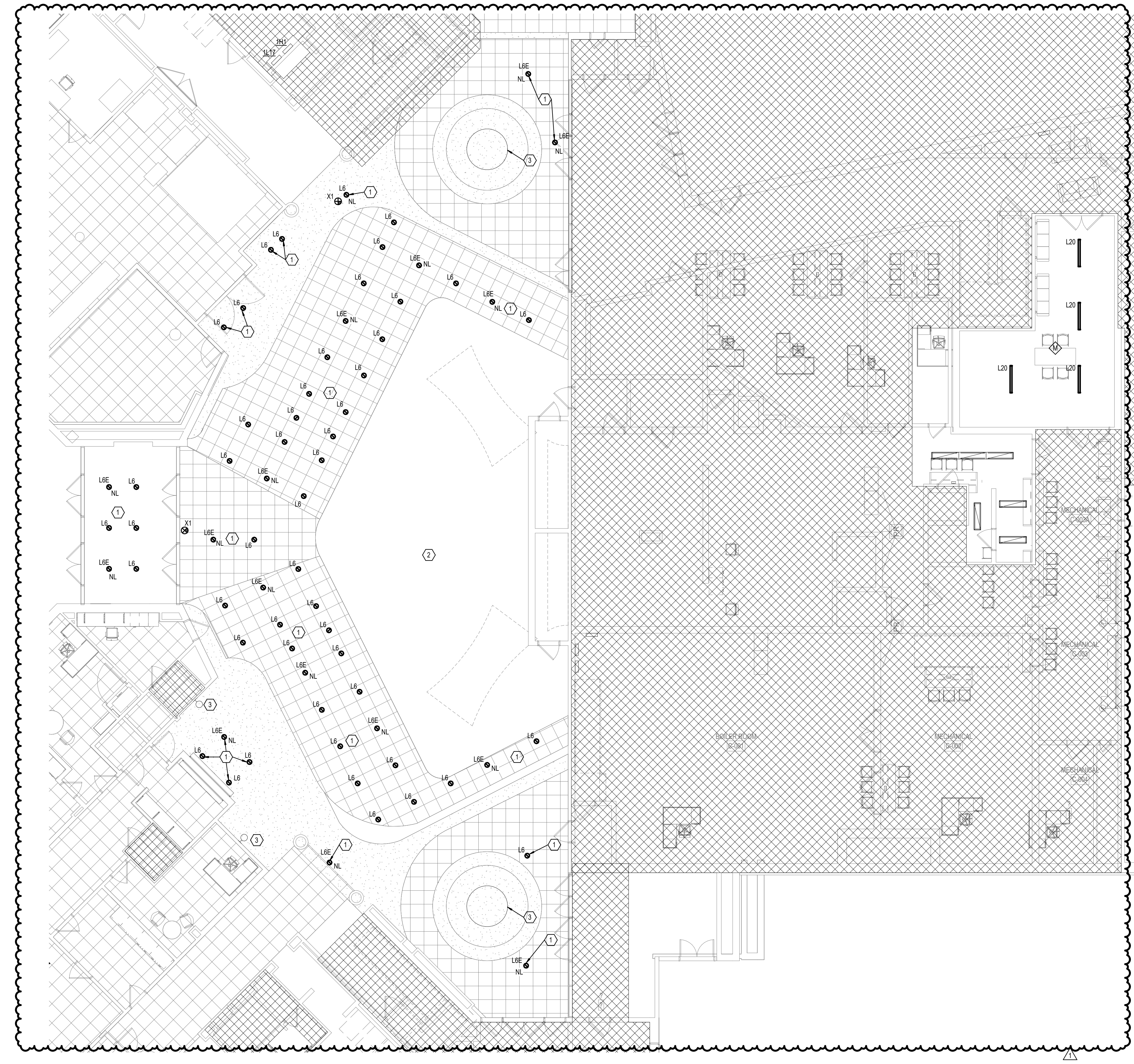
6 5 4 3 2 1

E
D
C
B
A

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6 5 4 3 2 1

E D C B A



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

GENERAL NOTES

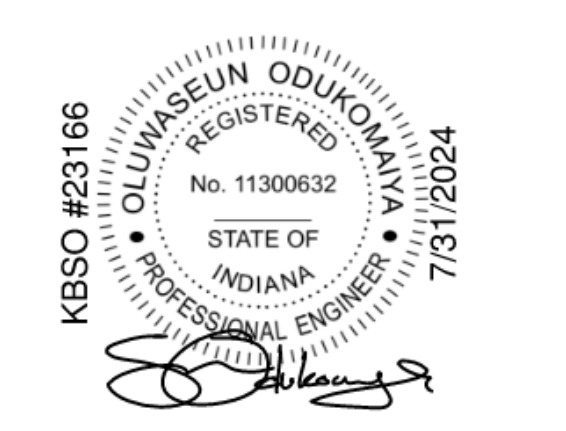
- A REFER TO SHEET E000 FOR GENERAL ELECTRICAL NOTES, SYMBOLS AND ABBREVIATIONS.
- B REFER TO E000 SERIES FOR LIGHT FIXTURE SCHEDULES AND PANEL SCHEDULES.
- C COORDINATE INSTALLATION OF LIGHT FIXTURES WITH ARCHITECTURAL REFLECTED CEILING PLANS, ARCHITECTURAL ELEVATIONS, MECHANICAL EQUIPMENT DIFFUSERS, SUPPORTS, PING, DUCTWORK AND STRUCTURAL PLANS PRIOR TO ROUGH-IN. IN AREAS OF CEILING REPLACEMENT REMOVE EXISTING LIGHTS AND MAINTAIN EXISTING CIRCUITS FOR ONE FOR ONE DIRECT REPLACEMENT WITH NEW FIXTURES AS SHOWN.
- D GROUP OCCUPANCY SENSORS TO CONTROL UNBROKEN SECTIONS OF HALLWAY.
- E ALL COVER PLATES FOR ELECTRICAL DEVICES SHALL BE OF A COLOR TO MATCH THE AREA COLOR SCHEME AS DIRECTED BY THE ARCHITECT.
- F WHERE POSSIBLE, REUSE EXISTING BACKBOX FOR NEW LIGHTING CONTROLS.
- G EMERGENCY LIGHTING SHOWN ON THIS DRAWING INDICATES CODE REQUIRED EMERGENCY.
- H LABEL ALL RELAYS AND POWER SUPPLIES (ON THE DEVICE OR ON THE BOX THEY ARE CONNECTED TO) WITH THE AREA THE DEVICE SERVES, THE BRANCH CIRCUIT IT CONTROLS AND THE DEVICE ADDRESS (IF APPLICABLE).
- I REFER TO ARCHITECTURAL DRAWINGS FOR DIMENSIONS, ROOM AND AREA FINISHES, CEILING PLANS, DOOR SWINGS, FIRE RATED PARTITIONS, CABINET AND CASEWORK AND BUILT-IN DETAILS.
- J UNLESS OTHERWISE NOTED, ALL NEW LIGHT FIXTURES SHALL BE CONNECTED TO EXISTING CIRCUIT SERVING PREVIOUSLY DEMOLISHED LIGHT FIXTURES WITHIN THE SAME ROOM.
- K WHERE MULTIPLE SWITCHES ARE SHOWN ADJACENT TO EACH OTHER, GANG TOGETHER IN SINGLE FACEPLATE WITH MULTIPLE SWITCH OUTLET.
- L LOCATE CEILING MOUNTED OCCUPANCY SENSORS TO PROVIDE COMPLETE AREA COVERAGE OF THE SPACE THAT THEY ARE INSTALLED IN. SELECT PROPER SENSOR COVERAGE PATTERN FROM MANUFACTURER'S PRODUCT DATA TO DETERMINE COVERAGE. ADDITIONAL SENSORS REQUIRED DUE TO LACK OF COVERAGE SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND THE MANUFACTURER. SENSORS SHALL INCLUDE ALL POWER SUPPLIES AND RELAYS NECESSARY FOR PROPER OPERATION.

SHEET KEYNOTES

- 1 PROVIDE ONE FOR ONE REPLACEMENT OF DOWNLIGHT. EC TO VERIFY APERTURE SIZE OF EXISTING DOWNLIGHT PRIOR TO DRAWING SUBMITTAL.
- 2 REFER TO LEVEL ABOVE FOR LIGHTING WITHIN THIS AREA.
- 3 EXISTING DECORATIVE LIGHT FIXTURE TO REMAIN. REFER TO NEW LIGHTING PLANS FOR ADDITIONAL INFORMATION.



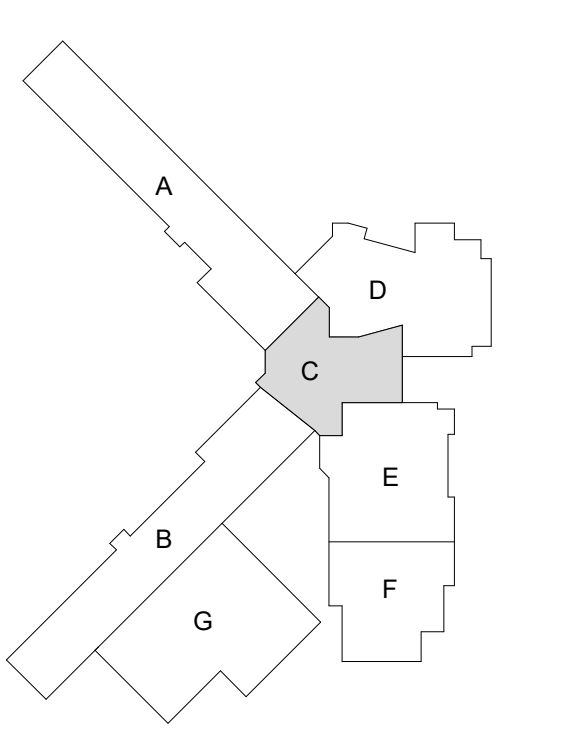
Project No. 2019-067.OSC
Project Date 07.31.2024
Produced KJE



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| ADDENDUM #1 | | 08.22.2024 |

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Indianapolis, IN 46240



KEY PLAN

M.S.D. of Washington Township



WASHINGTON TOWNSHIP SCHOOLS

SERVICES CENTER RENOVATION - PHASE 6B

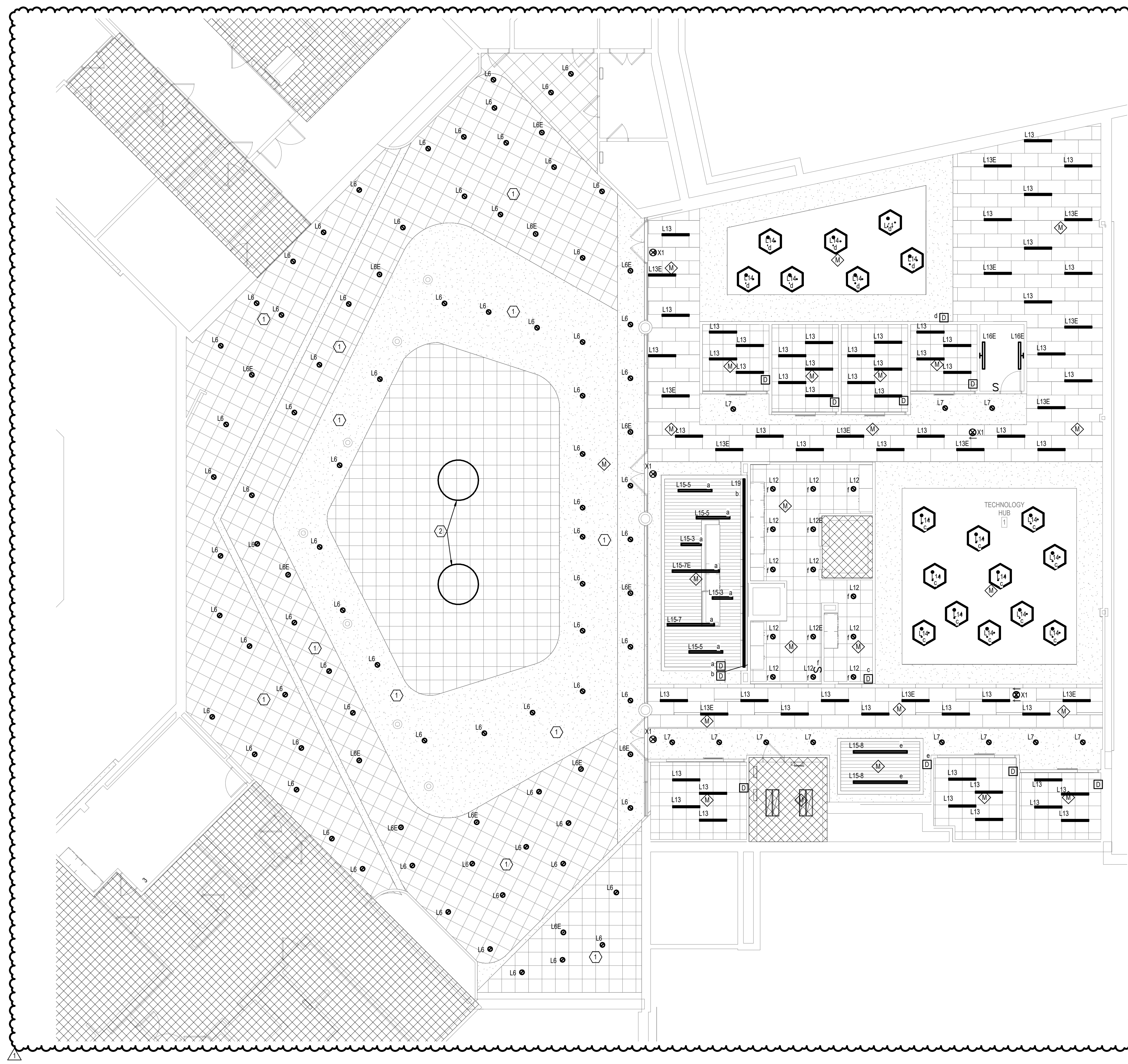
FIRST FLOOR LIGHTING PLAN - UNIT C

EL1C1

6 5 4 3 2 1

6 5 4 3 2 1

E D C B A



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

GENERAL NOTES

- A REFER TO SHEET E000 FOR GENERAL ELECTRICAL NOTES, SYMBOLS AND ABBREVIATIONS.
- B REFER TO E600 SERIES FOR LIGHT FIXTURE SCHEDULES AND PANEL SCHEDULES.
- C COORDINATE INSTALLATION OF LIGHT FIXTURES WITH ARCHITECTURAL REFLECTED CEILING PLANS, ARCHITECTURAL ELEVATIONS, MECHANICAL EQUIPMENT DIFFUSERS, SUPPORTS, PING, DUCTWORK AND STRUCTURAL PLANS PRIOR TO ROUGH-IN. IN AREAS OF CEILING REPLACEMENT REMOVE EXISTING LIGHTS AND MAINTAIN EXISTING CIRCUITS FOR ONE FOR ONE DIRECT REPLACEMENT WITH NEW FIXTURES AS SHOWN.
- D GROUP OCCUPANCY SENSORS TO CONTROL UNBROKEN SECTIONS OF HALLWAY.
- E ALL COVER PLATES FOR ELECTRICAL DEVICES SHALL BE OF A COLOR TO MATCH THE AREA COLOR SCHEME AS DIRECTED BY THE ARCHITECT.
- F WHERE POSSIBLE, REUSE EXISTING BACKBOX FOR NEW LIGHTING CONTROLS.
- G EMERGENCY LIGHTING SHOWN ON THIS DRAWING INDICATES CODE REQUIRED EMERGENCY.
- H LABEL ALL RELAYS AND POWER SUPPLIES (ON THE DEVICE OR ON THE BOX THEY ARE CONNECTED TO) WITH THE AREA THE DEVICE SERVES, THE BRANCH CIRCUIT IT CONTROLS AND THE DEVICE ADDRESS (IF APPLICABLE).
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SHEET KEYNOTES

- 1 PROVIDE ONE FOR ONE REPLACEMENT OF DOWNLIGHT. EC TO VERIFY APERTURE SIZE OF EXISTING DOWNLIGHT PRIOR TO SHOP DRAWING SUBMITTAL.
- 2 EXISTING DECORATIVE LIGHT FIXTURE TO REMAIN. CLEAN ALL COMPONENTS OF FIXTURE THOROUGHLY AND RELAMP WITH LED EQUIVALENT OF EXISTING LAMP TYPE. NEW LED LAMP TO BE 3000K AND 90 CRI.



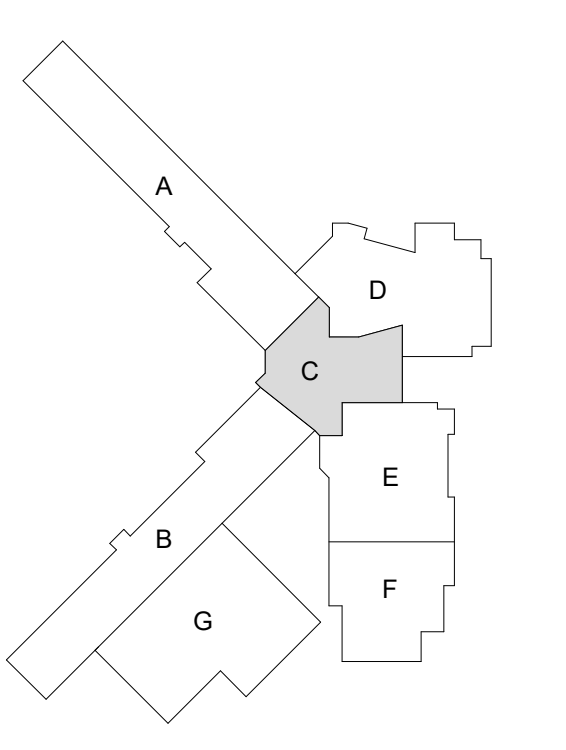
Project No. 2019-067.OSC
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Produced KJE



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KEY PLAN

M.S.D. of Washington Township



SERVICES CENTER RENOVATION - PHASE 6B

SECOND FLOOR LIGHTING PLAN - UNIT C

EL1C2

6 5 4 3 2 1

ALL WORK SHALL BE IN ACCORDANCE WITH THE 2017 IBC AND 2017 IRC. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS.

6

5

4

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2

1

GENERAL NOTES

- A REFER TO SHEET E000 FOR GENERAL ELECTRICAL NOTES, SYMBOLS AND ABBREVIATIONS.
- B REFER TO E600 SERIES SHEETS FOR LOAD PANEL SCHEDULES.
- C VERIFY HEIGHT OF ALL COUNTERTOP RECEPTACLES WITH ARCHITECTURAL ELEVATIONS PRIOR TO ROUGH-IN.
- D ALL EXISTING FIRE ALARM DEVICES SHOWN TO WORK AS AN EXTENSION OF NEW FIRE ALARM SYSTEM. EXTEND NEAREST NOTIFICATION AND DETECTION CIRCUITS TO ACCOMMODATE NEW DEVICES. DOCUMENT HALLWAY 7E-IN LOCATION SO DEVICES CAN BE TRANSFERRED OVER TO NEW BUILDING SYSTEM WITH MINIMAL SHUTDOWN.
- E ALL HATCHED REGIONS TO BE CONSIDERED OUT OF SCOPE.
- F RECEPTACLES TAGGED WITH "1" TO BE INSTALLED INSIDE VIDEO OUTPUT BOX. COORDINATE INSTALLATION WITH AV INSTALLER PRIOR TO ROUGH-IN.
- G CIRCUIT TAG UNDER ROOM NAME INDICATES ALL DEVICES IN ROOM ARE ON INDICATED CIRCUIT UNLESS OTHERWISE NOTED.

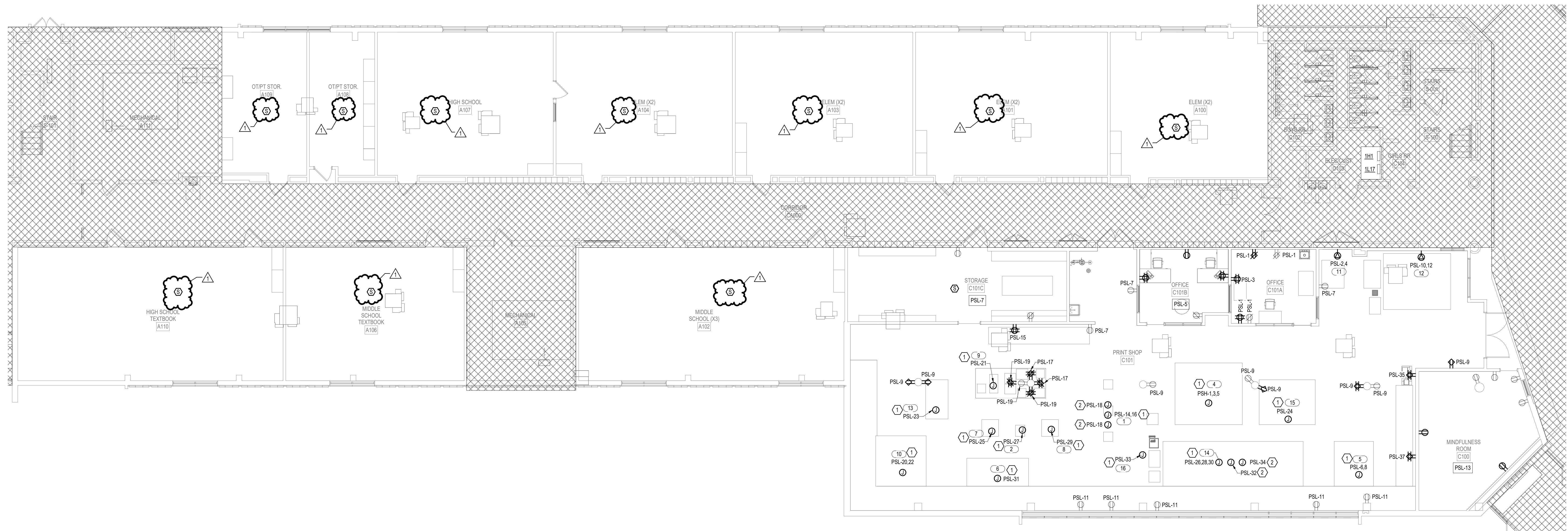
SHEET KEYNOTES

- 1 PROVIDE DROP CEILING MOUNTED FLEXIBLE CHORD WHIP FOR PRINT SHOP EQUIPMENT. PROVIDE ENOUGH SLACK FOR CORD TO BE ABLE TO REST ON PRINT SHOP FLOOR. REFER TO PRINT SHOP EQUIPMENT SCHEDULE FOR RECEPTACLE TYPE AT BOTTOM OF WIRE DROP.
- 2 PROVIDE DROP CEILING MOUNTED FLEXIBLE CHORD WHIP WITH NEMA 5-20P AT END. PROVIDE ENOUGH SLACK TO ALLOW CORD TO REST ON PRINT SHOP FLOOR.

PRINT SHOP EQUIPMENT SCHEDULE

| DEVICE TAG | DESCRIPTION | VOLTAGE | PHASE | MCA | # OF WIRES | WIRE SIZE | GND SIZE | CND SIZE / CABLE TYPE | RECEPT / DISCONNECT |
|------------|-----------------------------|---------|-------|------|------------|-----------|----------|-----------------------|---------------------|
| 1 | BALM FOLDER 2020 | 240 V | 1 | 60 | 3 | 4 | 8 | 3/4" | 110-20R |
| 2 | BOSTITCH STITCHER | 120 V | 1 | 5.8 | 3 | 12 | 12 | 3/4" | 5-20R |
| 3 | EPSON SC-P9570 | 120 V | 1 | 2 | 3 | 12 | 12 | 3/4" | 5-20R |
| 4 | HEIDELBERG KOPS | 440 V | 3 | 4.8 | 4 | 12 | 12 | 3/4" | DISCONNECT |
| 5 | HEIDELBERG OFFSET LETTERSET | 240 V | 1 | 16 | 3 | 12 | 12 | 3/4" | 110-20R |
| 6 | HEAT SEAL SHRINK | 120 V | 1 | 20 | 3 | 12 | 12 | 3/4" | 5-20R |
| 7 | ISP STITCHING AND BINDERY | 120 V | 1 | 6.8 | 3 | 12 | 12 | 3/4" | 5-20R |
| 8 | IRAM PAPER DRILL | 120 V | 1 | 11 | 3 | 12 | 12 | 3/4" | 5-20R |
| 9 | LAMINATOR | 120 V | 1 | 20 | 3 | 12 | 12 | 3/4" | 5-20R |
| 10 | PERFECTA PAPER CUTTER | 220 V | 1 | 18.5 | 3 | 10 | 10 | 3/4" | 110-30R |
| 11 | PROTECK PLATE WASHER | 220 V | 1 | 3 | 3 | 12 | 12 | 3/4" | 5-20R |
| 12 | PRESSTEK | 240 V | 1 | 7.5 | 3 | 12 | 12 | 3/4" | 110-20R |
| 13 | ROSSBACK STITCHER | 120 V | 1 | 2.8 | 3 | 12 | 12 | 3/4" | 5-20R |
| 14 | RYOBI 300W RYOBI & T-HOOD | 208 V | 3 | 17 | 4 | 12 | 12 | 3/4" | PLUG |
| 15 | RYOBI & T-HOOD | 120 V | 1 | 13 | 3 | 12 | 12 | 3/4" | 5-20R |
| 16 | DEHUMIDIFIER | 120 V | 1 | 18.9 | 3 | 12 | 12 | 3/4" | 5-20R |

1 FIRST FLOOR ELECTRICAL PLAN - UNIT A.2
1/8" = 1'-0"



2 FIRST FLOOR ELECTRICAL PLAN - UNIT A.1
1/8" = 1'-0"

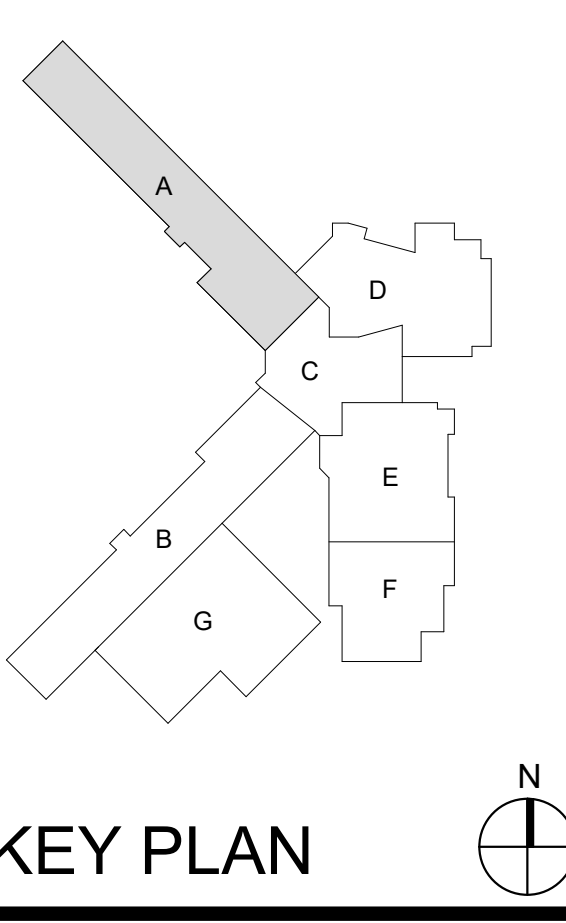
SCHMIDT ASSOCIATES
415 Massachusetts Avenue
Indianapolis, IN 46204
www.schmidt-arch.com

Project No. 2019-067.OSC
Project Date 07.31.2024
Produced NEM

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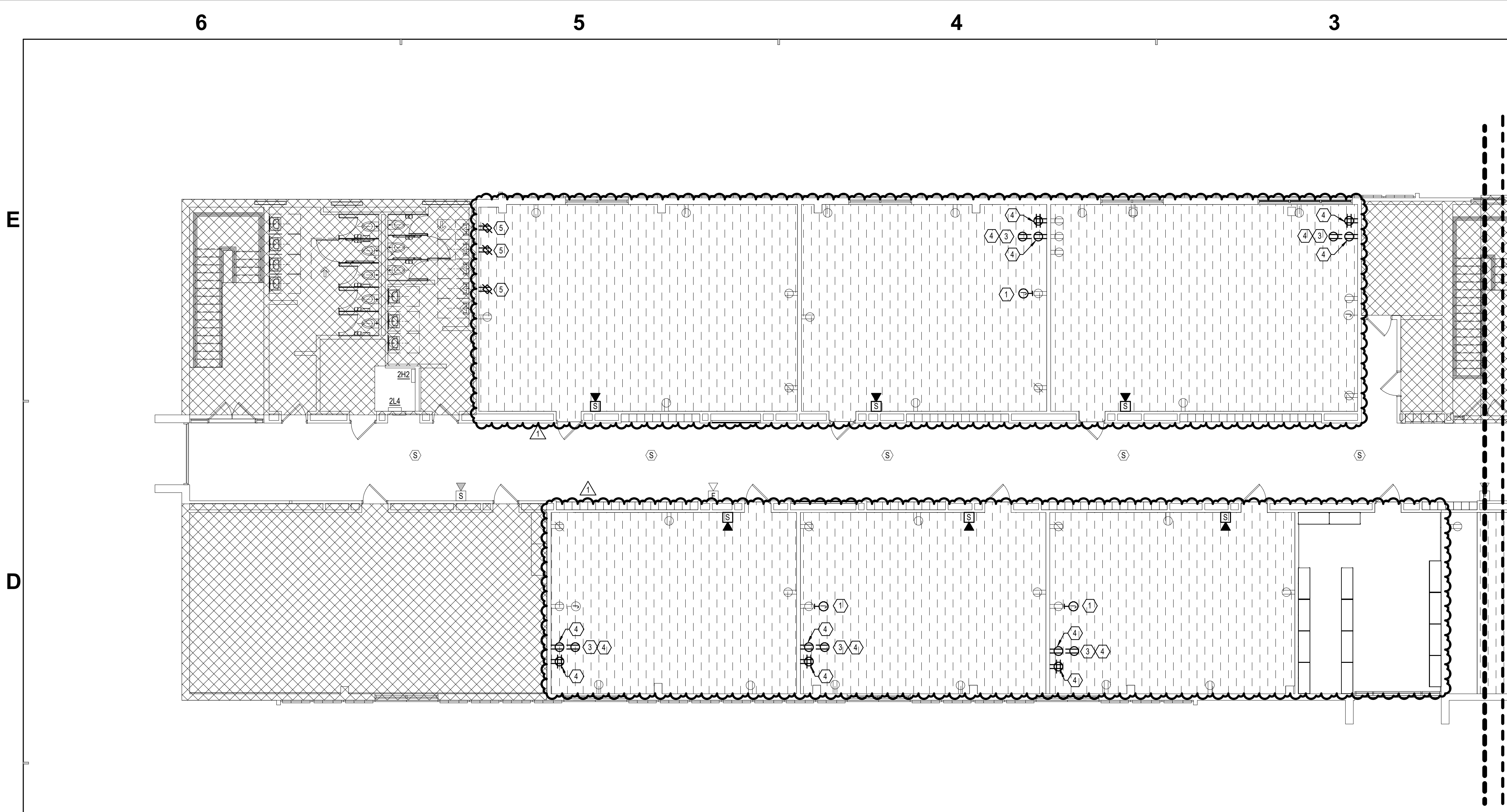
M.S.D. of Washington Township

WASHINGTON TOWNSHIP SCHOOLS

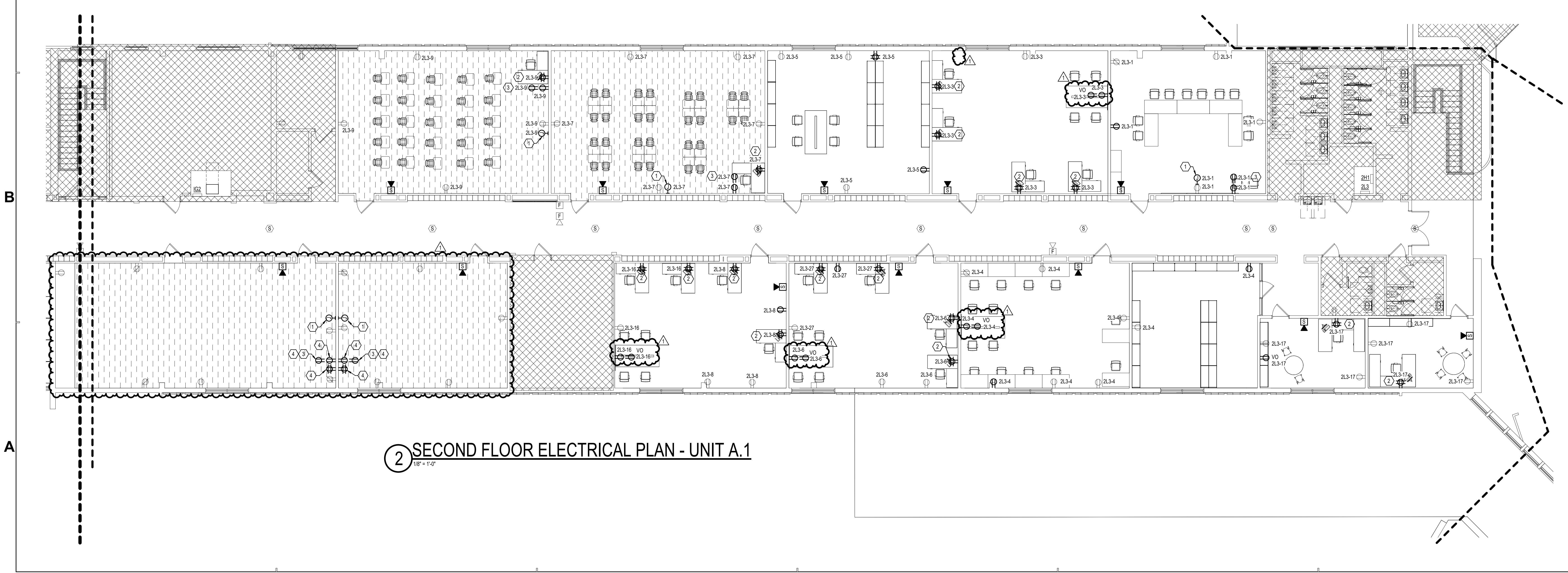
SERVICES CENTER RENOVATION - PHASE 6B

FIRST FLOOR ELECTRICAL PLAN - UNIT A
EP1A1

2024.07.31 11:15 AM
 PROJECT: 2019-067.OSC - PHASE 6B
 SHEET: EP1A1 - FIRST FLOOR ELECTRICAL PLAN - UNIT A
 1/8" = 1'-0"



1 SECOND FLOOR ELECTRICAL PLAN - UNIT A.2
1/8" = 1'-0"



2 SECOND FLOOR ELECTRICAL PLAN - UNIT A.1
1/8" = 1'-0"

GENERAL NOTES

- A REFER TO SHEET E000 FOR GENERAL ELECTRICAL NOTES, SYMBOLS AND ABBREVIATIONS.
- B REFER TO E000 SERIES SHEETS FOR LOAD PANEL SCHEDULES.
- C VERIFY HEIGHT OF ALL COUNTERTOP RECEPTACLES WITH ARCHITECTURAL ELEVATIONS PRIOR TO ROUGH-IN.
- D ALL EXISTING FIRE ALARM DEVICES SHOWN TO WORK AS AN EXTENSION OF NEW FIRE ALARM SYSTEM. EXTEND NEAREST NOTIFICATION AND DETECTION CIRCUITS TO ACCOMMODATE NEW DEVICES. DOCUMENT HALLWAY TIE-IN LOCATION SO DEVICES CAN BE TRANSFERRED OVER TO NEW BUILDING SYSTEM WITH MINIMAL SHUTDOWN.
- E ALL HATCHED REGIONS TO BE CONSIDERED OUT OF SCOPE.
- F RECEPTACLES TAGGED WITH "VO" TO BE INSTALLED INSIDE VIDEO OUTPUT BOX. COORDINATE INSTALLATION WITH AV INSTALLER PRIOR TO ROUGH-IN.
- F CIRCUIT TAG UNDER ROOM NAME INDICATES ALL DEVICES IN ROOM ARE ON INDICATED CIRCUIT UNLESS OTHERWISE NOTED.

SHEET KEYNOTES

- 1 PROVIDE 120V, 20A, 1P ELECTRICAL CONNECTION TO NEW SHORT THROW PROJECTOR. ROUTE 20/2 3/4" CONDUIT. COORDINATE HEIGHT WITH PROJECTOR INSTALLER PRIOR TO ROUGH-IN.
- 2 SURFACE MOUNTED QUADRIplex FOR NEW COMPUTERS. COORDINATE LOCATION AND HEIGHT WITH TECHNOLOGY DRAWINGS PRIOR TO ROUGH-IN.
- 3 COORDINATE RECEPTACLE HEIGHT WITH TECHNOLOGY DRAWINGS PRIOR TO ROUGH-IN.
- 4 CONNECT NEW RECEPTACLE TO EXISTING LOCAL RECEPTACLE CIRCUIT SERVING THIS ROOM.
- 5 CONNECT NEW RECEPTACLE TO EXISTING LOCAL RECEPTACLE CIRCUIT SERVING THIS ROOM.



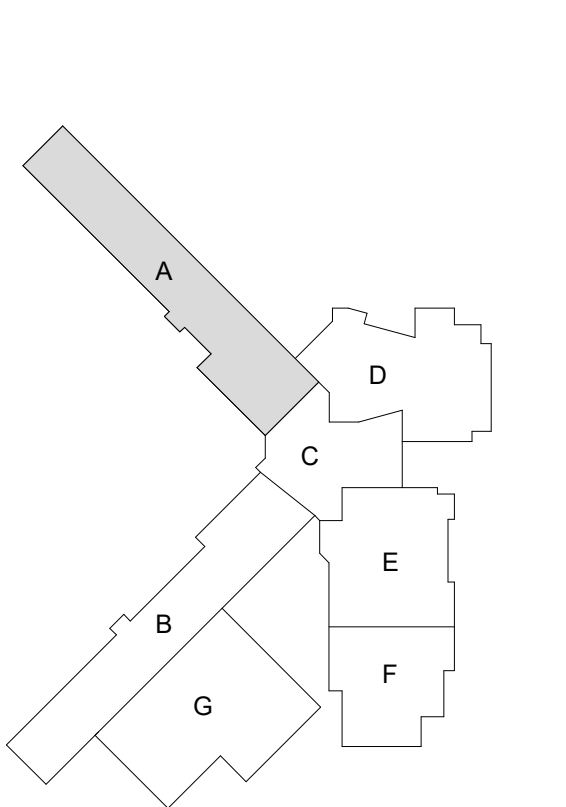
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KEY PLAN

M.S.D. of Washington Township



SERVICES CENTER RENOVATION - PHASE 6B

SECOND FLOOR ELECTRICAL PLAN - UNIT A
EP1A2

10/25/2024 10:58 AM
 PROJECT: 2019-067.OSC
 SHEET: EP1A2
 SCALE: 1/8" = 1'-0"
 DATE: 08/22/2024

6 5 4 3 2 1

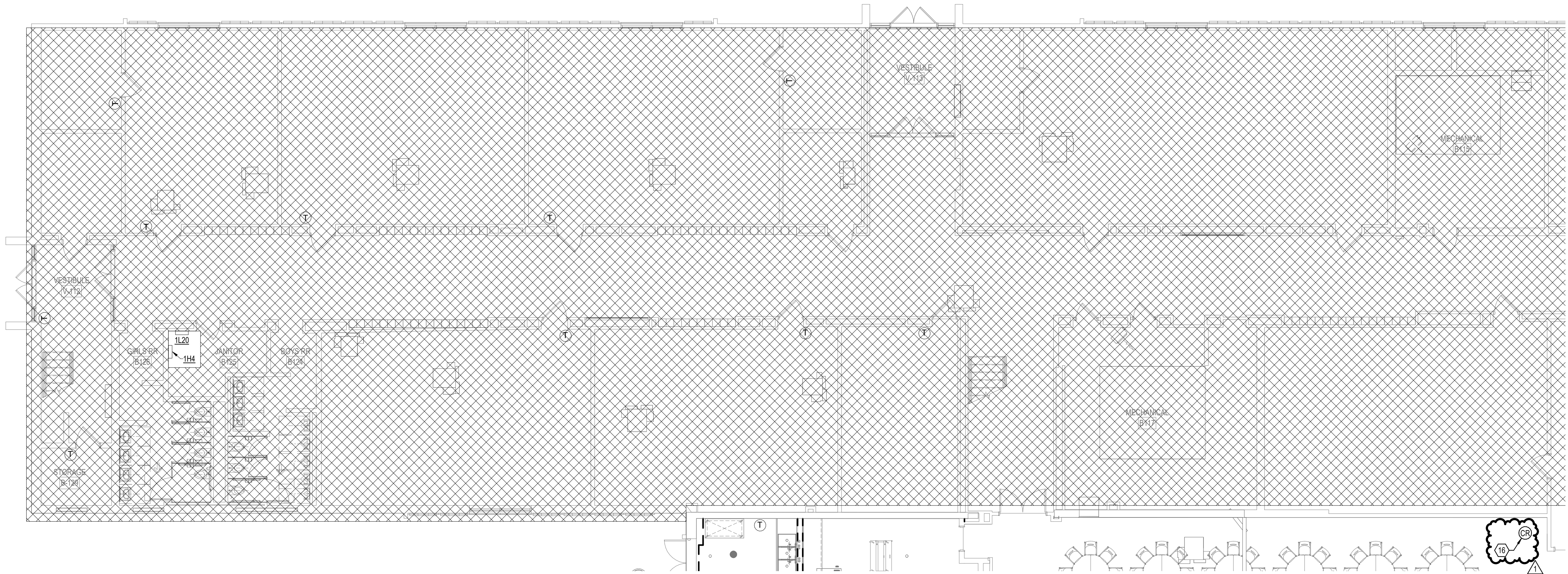
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GENERAL NOTES

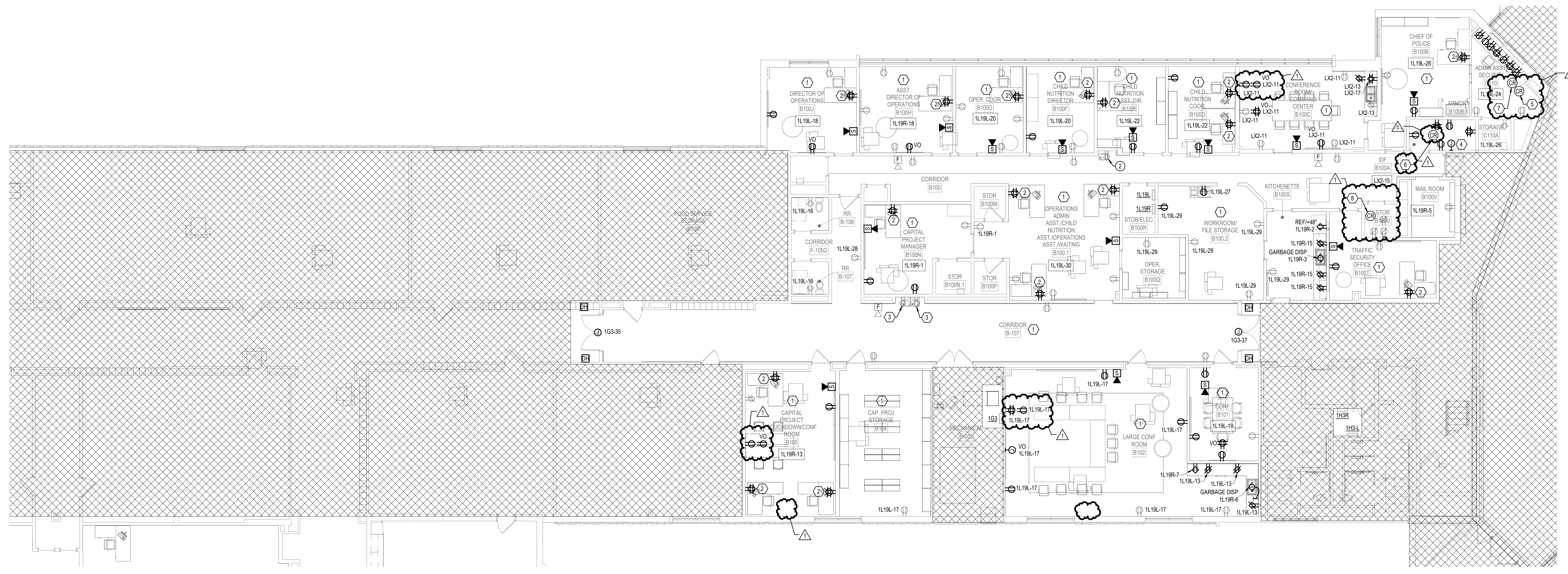
- A REFER TO SHEET E000 FOR GENERAL ELECTRICAL NOTES, SYMBOLS AND ABBREVIATIONS.
- B REFER TO E600 SERIES SHEETS FOR LOAD PANEL SCHEDULES.
- C VERIFY HEIGHT OF ALL COUNTERTOP RECEPTACLES WITH ARCHITECTURAL ELEVATIONS PRIOR TO ROUGH-IN.
- D ALL EXISTING FIRE ALARM DEVICES SHOWN TO WORK AS AN EXTENSION OF NEW FIRE ALARM SYSTEM. EXTEND NEAREST NOTIFICATION AND DETECTION CIRCUITS TO ACCOMMODATE NEW DEVICES. DOCUMENT HALLWAY TIE-IN LOCATION SO DEVICES CAN BE TRANSFERRED OVER TO NEW BUILDING SYSTEM WITH MINIMAL SHUTDOWN.
- E ALL HATCHED REGIONS TO BE CONSIDERED OUT OF SCOPE.
- F RECEPTACLES TAGGED WITH "VO" TO BE INSTALLED INSIDE VIDEO OUTPUT BOX. COORDINATE INSTALLATION WITH AV INSTALLER PRIOR TO ROUGH-IN.
- F CIRCUIT TAG UNDER ROOM NAME INDICATES ALL DEVICES IN ROOM ARE ON INDICATED CIRCUIT UNLESS OTHERWISE NOTED.

SHEET KEYNOTES

- 1 IN CEILINGS NOTED TO BE REPLACED BY ARCHITECT, FIRE ALARM DEVICES TO BE REMOVED FROM EXISTING CEILING AND SUPPORTED ABOVE CEILING TO BE INSTALLED IN NEW CEILING WHEN INSTALLED.
- 2 SURFACE MOUNTED QUADRIPLEX FOR NEW COMPUTERS. COORDINATE LOCATION AND HEIGHT WITH TECHNOLOGY DRAWINGS PRIOR TO ROUGH-IN.
- 3 EXTEND EXISTING CONDUIT AS NEEDED TO FEED NEW WATER COOLER.
- 4 RELOCATE ELECTRICAL CONNECTION TO EXISTING MNN SPLIT SYSTEM TO THIS LOCATION.
- 5 PROVIDE OUTPUT RELAY FROM NEW FIRE ALARM SYSTEM TO BUILDING SECURITY SYSTEM. REFER TO TECHNOLOGY AV DIAGRAMS FOR MORE INFORMATION.
- 6 PROVIDE OUTPUT RELAY FROM NEW FIRE ALARM SYSTEM TO BUILDING FIRE AND INTERCOM SYSTEM. REFER TO TECHNOLOGY DIAGRAMS FOR MORE INFORMATION.
- 7 PROVIDE OUTPUT RELAY FROM NEW FIRE ALARM SYSTEM TO INTRUSION SYSTEM. REFER TO TECHNOLOGY AV DIAGRAMS FOR MORE INFORMATION.
- 8 PROVIDE OUTPUT RELAY FROM NEW FIRE ALARM SYSTEM TO ACCESS CONTROL SYSTEM. REFER TO TECHNOLOGY DIAGRAMS FOR MORE INFORMATION.



2 FIRST FLOOR ELECTRICAL PLAN - UNIT B.2
1/8" = 1'-0"



1 FIRST FLOOR ELECTRICAL PLAN - UNIT B.1
1/8" = 1'-0"

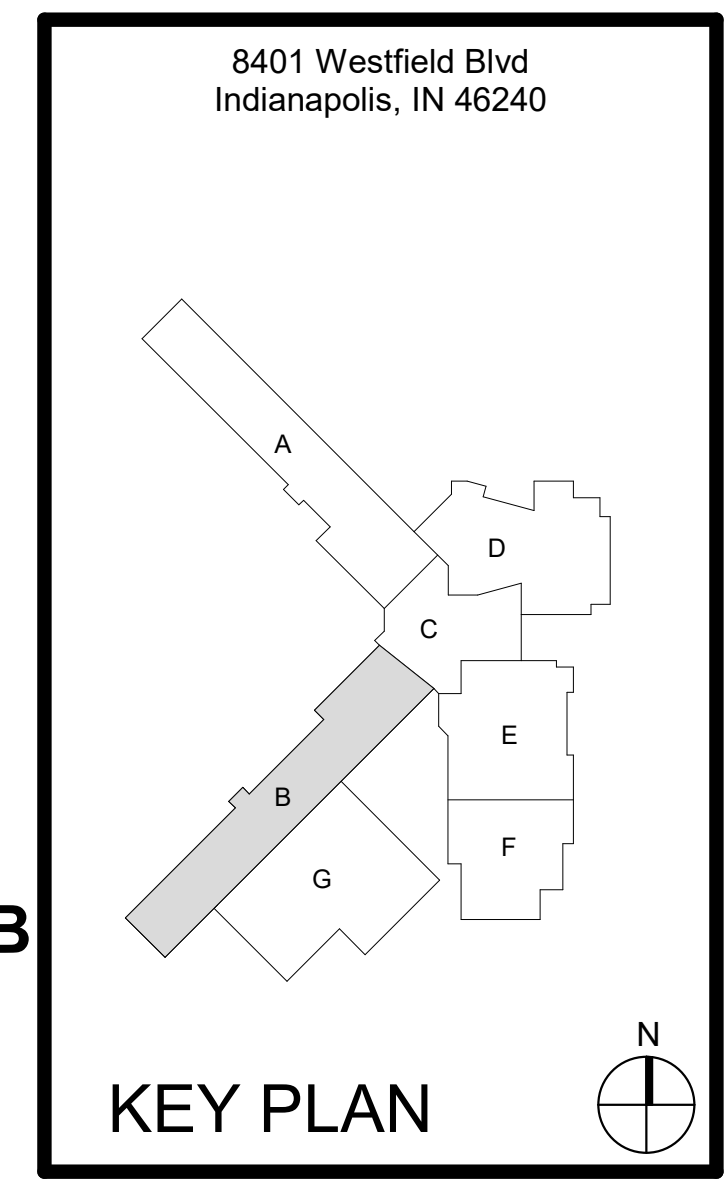
SCHMIDT ASSOCIATES
415 Massachusetts Avenue
Indianapolis, IN 46204
www.schmidt-arch.com

Project No. 2019-067.OSC
Project Date 07.31.2024
Produced NEM

Professional Engineer Seal: KESCO #23166, OLLIVIER SEJUN ODUJON, REGISTERED PROFESSIONAL ENGINEER, No. 11300632, STATE OF INDIANA, 7/31/2024

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M.S.D. of Washington Township

WASHINGTON TOWNSHIP SCHOOLS

SERVICES CENTER RENOVATION - PHASE 6B

FIRST FLOOR ELECTRICAL PLAN - UNIT B
EP1B1

SMPL - FIRST FLOOR ELECTRICAL PLAN - UNIT B.1
DATE: 08/22/2024 10:58 AM
DRAWING: 11300632 - 001 - 11300632 - 001 - 11300632 - 001
SCALE: 1/8" = 1'-0"

GENERAL NOTES

- A REFER TO SHEET E000 FOR GENERAL ELECTRICAL NOTES, SYMBOLS AND ABBREVIATIONS.
- B REFER TO E600 SERIES SHEETS FOR LOAD PANEL SCHEDULES.
- C VERIFY HEIGHT OF ALL COUNTERTOP RECEPTACLES WITH ARCHITECTURAL ELEVATIONS PRIOR TO ROUGH-IN.
- D ALL EXISTING FIRE ALARM DEVICES SHOWN TO WORK AS AN EXTENSION OF NEW FIRE ALARM SYSTEM. EXTEND NEAREST NOTIFICATION AND DETECTION CIRCUITS TO ACCOMMODATE NEW DEVICES. DOCUMENT HALLWAY TIEN LOCATION SO DEVICES CAN BE TRANSFERRED OVER TO NEW BUILDING SYSTEM WITH MINIMAL SHUTDOWN.
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- F CIRCUIT TAG UNDER ROOM NAME INDICATES ALL DEVICES IN ROOM ARE ON INDICATED CIRCUIT UNLESS OTHERWISE NOTED.

SHEET KEYNOTES

- 1 NEW REMOTE FIRE ALARM ANNUNCIATOR. PROVIDE CONNECTION FROM REMOTE ANNUNCIATOR TO FIRE ALARM CONTROL PANEL.
- 2 PROVIDE 120V, 20A, 1 PHASE ELECTRICAL CONNECTION FOR NEW TEMPERATURE CONTROL SYSTEM. ROUTE 2#12 & 1#12GND IN 3/4" CONDUIT TO PANEL 1122. COORDINATE FINAL LOCATION OF TEMPERATURE CONTROL SYSTEM WITH INSTALLER PRIOR TO ROUGH-IN.
- 3 PROVIDE 208V, 20A, 1 PHASE ELECTRICAL MOTOR FOR NEW RECIRCULATING PUMP. ROUTE 2#12 & 1#12GND IN 3/4" CONDUIT. REUSE EXISTING RECIRCULATING PUMP CIRCUITS IN PANEL 1121. ADJUST BREAKER SIZE AS NEEDED. COORDINATE FINAL LOCATION OF RECIRCULATION PUMP MOTOR WITH PLUMBING DRAWINGS.



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



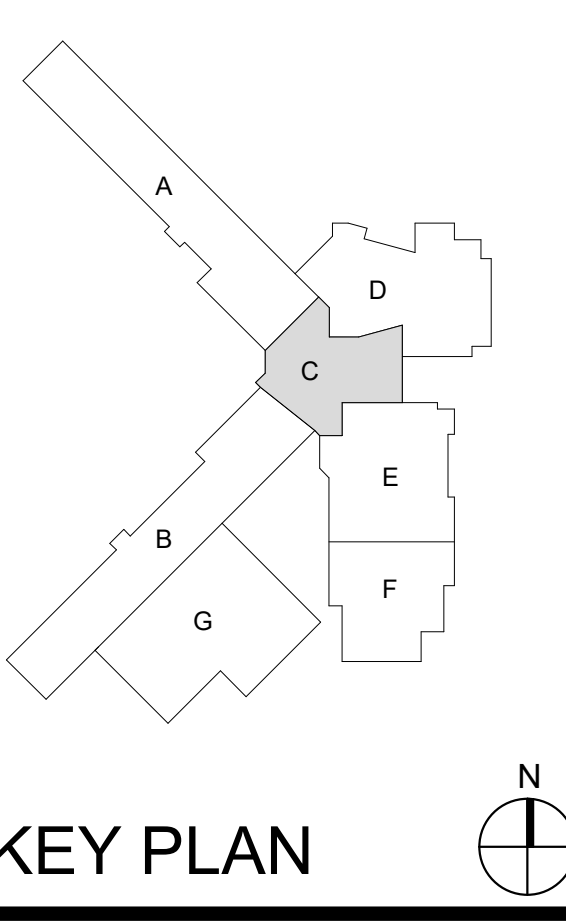
Project No. 2019-067.OSC
 Project Date 07.31.2024
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Indianapolis, IN 46240



M.S.D. of Washington Township



SERVICES CENTER RENOVATION - PHASE 6B

FIRST FLOOR ELECTRICAL PLAN - UNIT C
EP1C1

DATE PLOTTED: 08/22/2024 10:45:12 AM
 PLOTTER: HP DesignJet 2400 Series
 PLOTTER DRIVER: HP DesignJet 2400 Series
 PLOTTER MODEL: HP DesignJet 2400 Series
 PLOTTER SERIAL: HP DesignJet 2400 Series
 PLOTTER PORT: HP DesignJet 2400 Series

6 5 4 3 2 1

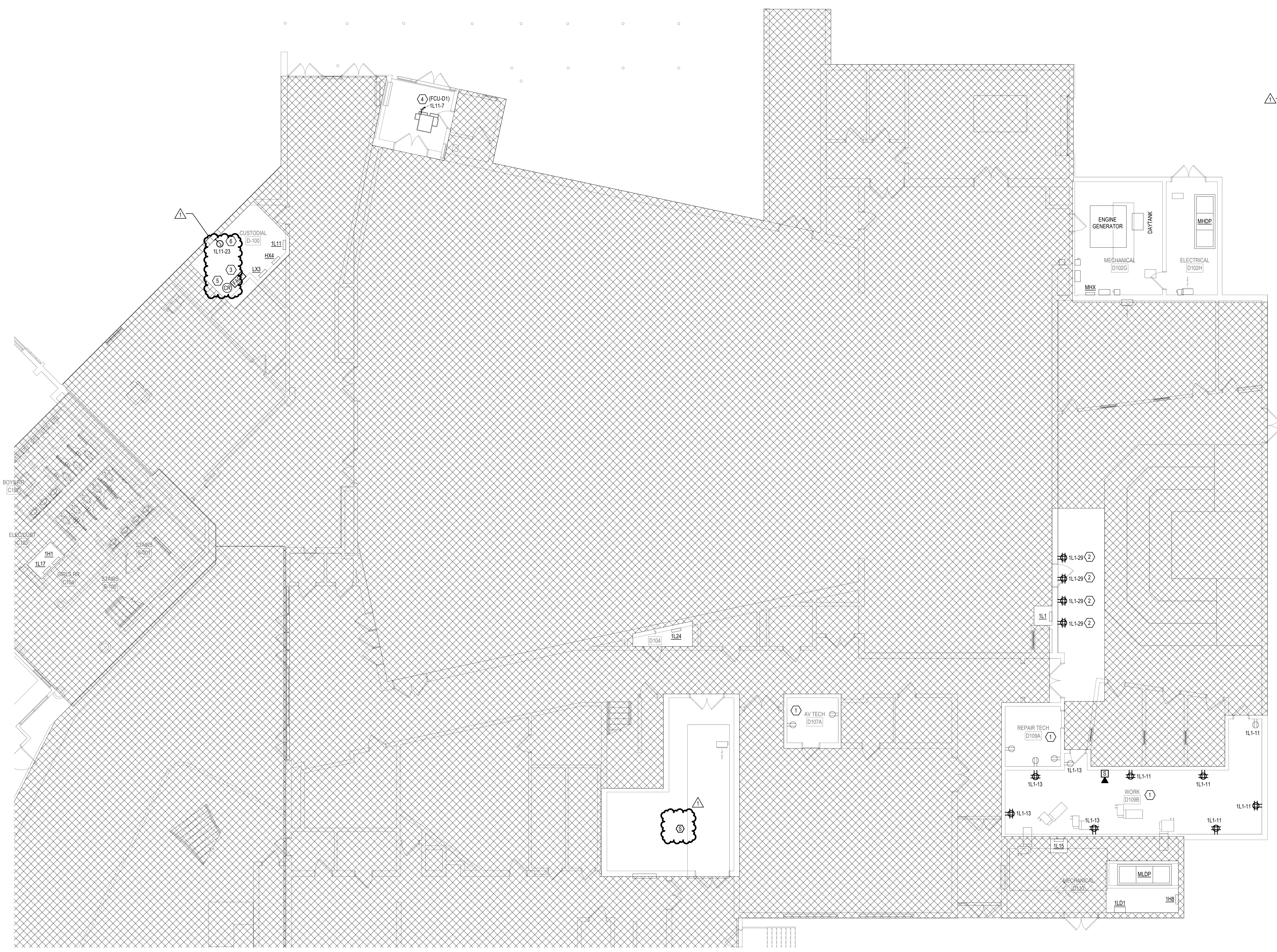
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GENERAL NOTES

- A REFER TO SHEET E000 FOR GENERAL ELECTRICAL NOTES, SYMBOLS AND ABBREVIATIONS.
- B REFER TO E000 SERIES SHEETS FOR LOAD PANEL SCHEDULES.
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- F RECEPTACLES TAGGED WITH "VO" TO BE INSTALLED INSIDE VIDEO OUTPUT BOX. COORDINATE INSTALLATION WITH AV INSTALLER PRIOR TO ROUGH-IN.
- F CIRCUIT TAG UNDER ROOM NAME INDICATES ALL DEVICES IN ROOM ARE ON INDICATED CIRCUIT UNLESS OTHERWISE NOTED.

SHEET KEYNOTES

- 1 IN CEILINGS NOTED TO BE REPLACED BY ARCHITECT, FIRE ALARM DEVICES TO BE REMOVED FROM EXISTING CEILING AND SUPPORTED ABOVE CEILING TO BE INSTALLED IN NEW CEILING WHEN INSTALLED.
- 2 SURFACE MOUNTED QUADRIPLEX FOR NEW COMPUTERS. COORDINATE LOCATION AND HEIGHT WITH TECHNOLOGY DRAWINGS PRIOR TO ROUGH-IN.
- 3 EXTEND EXISTING CONDUIT AS NEEDED TO ACCOMMODATE FOR NEW FAC.
- 4 PROVIDE 120V, 20A, 1P ELECTRICAL CONNECTION FOR FAN COIL UNIT. ROUTE THROUGH MECHANICAL ROOM.
- 5 PROVIDE OUTPUT RELAY FROM NEW FIRE ALARM SYSTEM TO BUILDING PAGING AND INTERCOM SYSTEM. REFER TO TECHNOLOGY PAGING AV DIAGRAM FOR MORE INFORMATION.
- 6 PROVIDE 120V, 20A, 1P ELECTRICAL CONNECTION FOR NEW BUILDING ANNUNCIATOR PANEL. CONFIRM LOCATION WITH BUILDING FORMAN PRIOR TO ROUGH-IN.



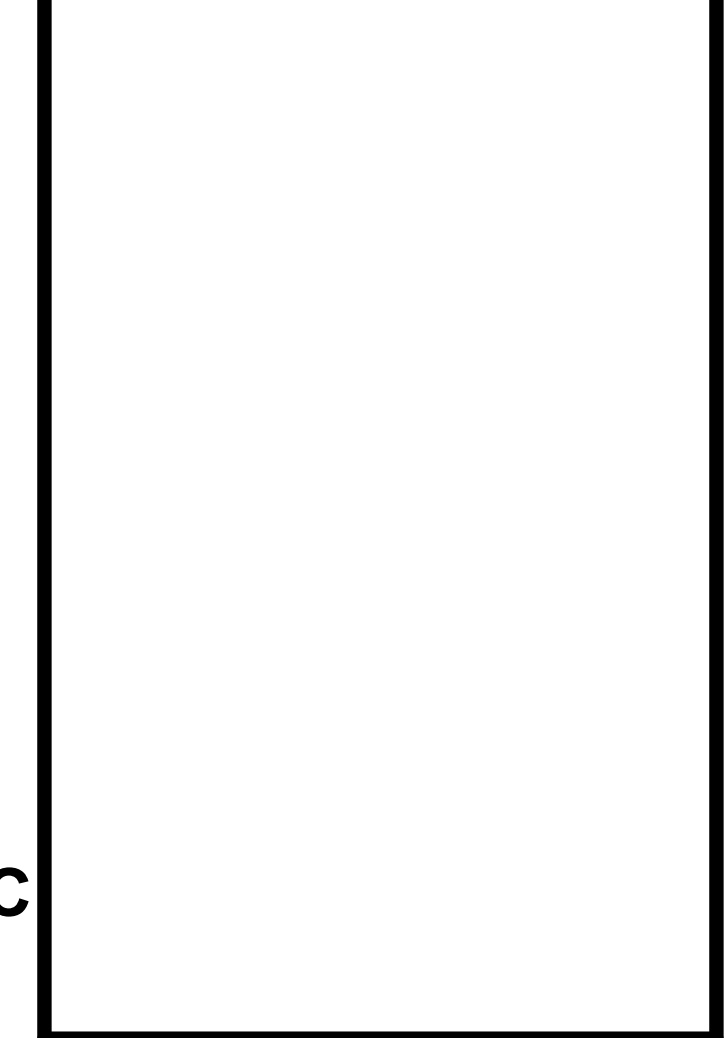
1 FIRST FLOOR ELECTRICAL PLAN - UNIT D
1/8" = 1'-0"

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

Project No. 2019-067.OSC
Project Date 07.31.2024
Produced NEM

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| # | Revision | Date |
|-------------|----------|------------|
| ADDENDUM #1 | | 08.22.2024 |



8401 Westfield Blvd
Indianapolis, IN 46240

KEY PLAN

M.S.D. of Washington Township

WASHINGTON TOWNSHIP SCHOOLS

SERVICES CENTER RENOVATION - PHASE 6B

FIRST FLOOR ELECTRICAL PLAN - UNIT D
EP1D1

6 5 4 3 2 1

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6

5

4

3

2

1

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D

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B

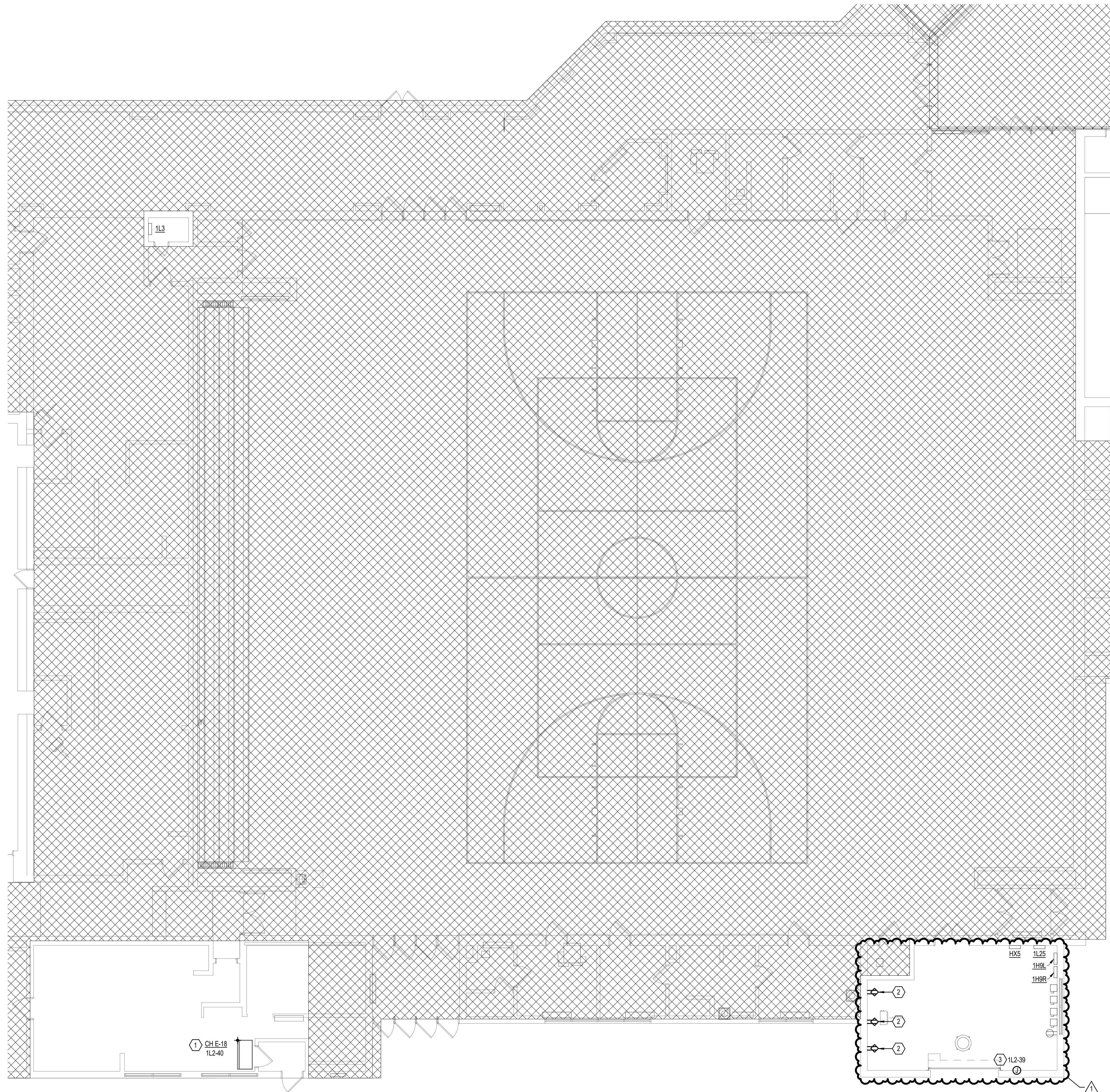
A

GENERAL NOTES

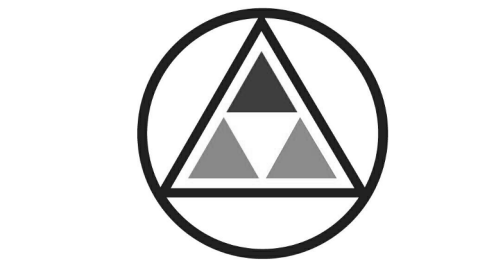
- A REFER TO SHEET E000 FOR GENERAL ELECTRICAL NOTES, SYMBOLS AND ABBREVIATIONS.
- B REFER TO EXISTING SHEETS FOR LOAD PANEL SCHEDULES.
- C VERIFY HEIGHT OF ALL COUNTERTOP RECEPTACLES WITH ARCHITECTURAL ELEVATIONS PRIOR TO ROUGH-IN.
- D ALL EXISTING FIRE ALARM DEVICES SHOWN TO WORK AS AN EXTENSION OF NEW FIRE ALARM SYSTEM. EXTEND NEAREST NOTIFICATION AND DETECTION CIRCUITS TO ACCOMMODATE NEW DEVICES. DOCUMENT HALLOWAY TIE-IN LOCATION SO DEVICES CAN BE TRANSFERRED OVER TO NEW BUILDING SYSTEM WITH MINIMAL SHUTDOWN.
- E ALL HATCHED REGIONS TO BE CONSIDERED OUT OF SCOPE.
- F RECEPTACLES TAGGED WITH 'VO' TO BE INSTALLED INSIDE VIDEO OUTPUT BOX. COORDINATE INSTALLATION WITH AV INSTALLER PRIOR TO ROUGH-IN.
- G CIRCUIT TAG UNDER ROOM NAME INDICATES ALL DEVICES IN ROOM ARE ON INDICATED CIRCUIT UNLESS OTHERWISE NOTED.

SHEET KEYNOTES

- 1 PROVIDE 120V, 20A, 1P ELECTRICAL CONNECTION FOR UNIT HEATER. ROUTE THROUGH WALL.
- 2 CONNECT NEW RECEPTACLE TO EXISTING LOCAL RECEPTACLE CIRCUIT SERVING THIS ROOM.
- 3 PROVIDE 120V, 20A, 1P ELECTRICAL CONNECTION FOR NEW OVERHEAD DOOR COORDINATE FINAL LOCATION WITH ARCHITECTURAL DRAWINGS PRIOR TO ROUGH-IN.



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



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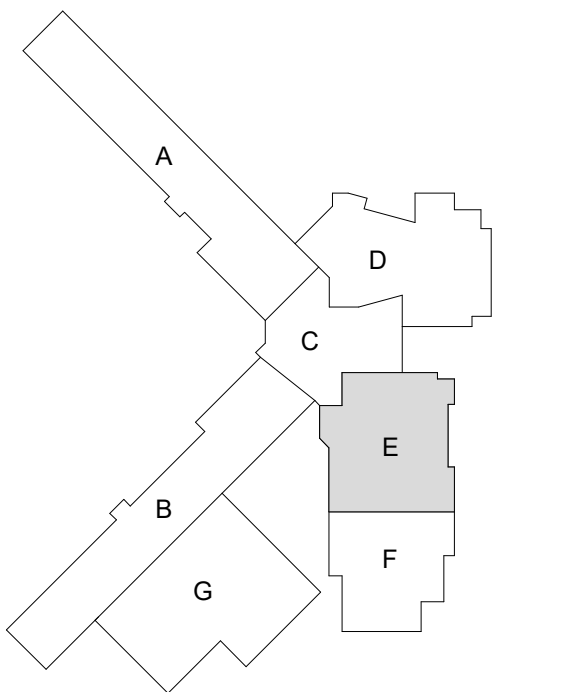
Project No. 2019-067.OSC
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KEY PLAN

M.S.D. of Washington Township



WASHINGTON TOWNSHIP SCHOOLS

SERVICES CENTER RENOVATION - PHASE 6B

FIRST FLOOR ELECTRICAL PLAN - UNIT E

EP1E1

DATE PLOTTED: 08/22/2024 10:00 AM
DRAWING SCALE: 1/8" = 1'-0"
PLOTTER: HP DesignJet T1300PS
PLOTTER MODEL: HP DesignJet T1300PS
PLOTTER DRIVER: HP DesignJet T1300PS
PLOTTER LANGUAGE: HP DesignJet T1300PS

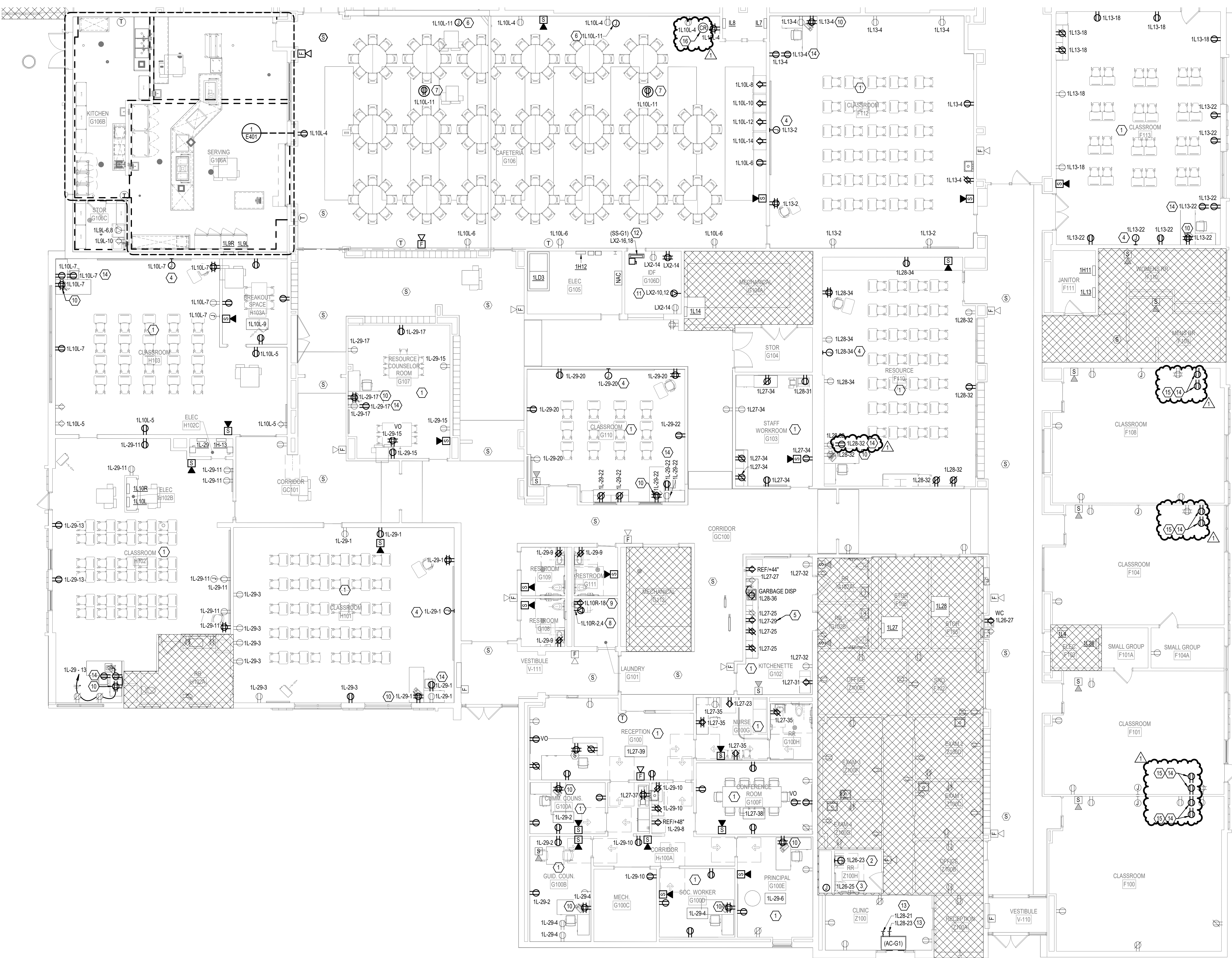
6 5 4 3 2 1

GENERAL NOTES

- A REFER TO SHEET E000 FOR GENERAL ELECTRICAL NOTES, SYMBOLS AND ABBREVIATIONS
- B REFER TO 6800 SERIES SHEETS FOR LOAD PANEL SCHEDULES
- C VERIFY HEIGHT OF ALL COUNTERTOP RECEPTACLES WITH ARCHITECTURAL ELEVATIONS PRIOR TO ROUGH-IN
- D ALL EXISTING ALARM DEVICES SHOWN TO WORK AS AN EXTENSION OF NEW FIRE ALARM SYSTEM. EXTEND NEAREST NOTIFICATION AND DETECTION CIRCUITS TO ACCOMMODATE NEW DEVICES. DOCUMENT HALLWAY TIE-IN LOCATION SO DEVICES CAN BE TRANSFERRED OVER TO NEW BUILDING SYSTEM WITH MINIMAL SHUTDOWN.
- E ALL HATCHED REGIONS TO BE CONSIDERED OUT OF SCOPE
- F RECEPTACLES TAGGED WITH "VO" TO BE INSTALLED INSIDE VEDD OUTPUT BOX. COORDINATE INSTALLATION WITH AN INSTALLER PRIOR TO ROUGH-IN
- G CIRCUIT TAG UNDER ROOM NAME INDICATES ALL DEVICES IN ROOM ARE ON INDICATED CIRCUIT UNLESS OTHERWISE NOTED.

SHEET KEYNOTES

- 1 IN GELINGS NOTED TO BE REPLACED BY ARCHITECT. FIRE ALARM DEVICES TO BE REMOVED FROM EXISTING CEILING AND SUPPORTED ABOVE CEILING TO BE INSTALLED IN NEW CEILING WHEN INSTALLED.
- 2 ALTERNATE BID: PROVIDE 120V, 20A, 1P ELECTRICAL CONNECTION TO NEW AUTOMATIC SINK. ROUTE 2#12 & #12GND IN 3/4" CONDUIT. COORDINATE FINAL LOCATION WITH AUTOMATIC SINK INSTALLER PRIOR TO ROUGH-IN.
- 3 ALTERNATE BID: PROVIDE 120V, 20A, 1P ELECTRICAL CONNECTION TO NEW AUTOMATIC TOILET. ROUTE 2#12 & #12GND IN 3/4" CONDUIT. COORDINATE EXACT LOCATION WITH AUTOMATIC TOILET INSTALLER PRIOR TO ROUGH-IN.
- 4 PROVIDE 120V, 20A, 1P ELECTRICAL CONNECTION TO NEW SHORT THROW PROJECTOR. ROUTE 2#12 & #12GND IN 3/4" CONDUIT. COORDINATE HEIGHT WITH PROJECTOR INSTALLER PRIOR TO ROUGH-IN.
- 5 PROVIDE 120V, 20A, 1P RECEPTACLE FOR DISHWASHER. ROUTE 2#12 & #12GND IN 3/4" CONDUIT. CONFIRM LOCATION IN CASEWORK WITH INTERIORS ELEVATION PRIOR TO ROUGH-IN.
- 6 PROVIDE 120V, 20A, 1P ELECTRICAL CONNECTION FOR PROJECTOR NEW PROJECTOR SCREENS. ROUTE 2#12 & #12GND IN 3/4" CONDUIT. COORDINATE FINAL LOCATION WITH TECHNOLOGY PRIOR TO ROUGH-IN.
- 7 CEILING MOUNTED RECEPTACLE FOR NEW PROJECTOR. COORDINATE FINAL LOCATION WITH TECHNOLOGY DRAWINGS PRIOR TO ROUGH-IN.
- 8 PROVIDE NEMA 14-30R FOR DRYER. PROVIDE 3#10 & #12GND. COORDINATE EXACT REQUIREMENTS WITH EQUIPMENT INSTALLER.
- 9 PROVIDE NEMA 5-20R FOR WASHER. PROVIDE 2#12 & #12GND. COORDINATE EXACT REQUIREMENTS WITH EQUIPMENT INSTALLER.
- 10 SURFACE MOUNTED QUADPLEX FOR NEW COMPUTERS. COORDINATE LOCATION AND HEIGHT WITH TECHNOLOGY DRAWINGS PRIOR TO ROUGH-IN.
- 11 PROVIDE NEMA 14-20R FOR DATA RACK. COORDINATE FINAL LOCATION WITH TECHNOLOGY DRAWINGS PRIOR TO ROUGH-IN.
- 12 PROVIDE 208V, 30A, 1P DISCONNECT FOR MECHANICAL MINI SPLIT ON ROOF. MINI SPLIT ON ROOF SHALL POWER THE INDOOR UNIT. PROVIDE 2#10 & #10GND IN 3/4" CONDUIT. COORDINATE WITH MECHANICAL DRAWINGS FOR FURTHER INFORMATION.
- 13 PROVIDE 120V, 20A, 1P DISCONNECT FOR AIR CURTAIN. ROUTE 2#12 & #12GND IN 3/4" CONDUIT. COORDINATE DISCONNECT LOCATION WITH AIR CURTAIN INSTALLER.
- 14 COORDINATE RECEPTACLE HEIGHT WITH TECHNOLOGY DRAWINGS PRIOR TO ROUGH-IN.
- 15 CONNECT NEW RECEPTACLE TO EXISTING LOCAL RECEPTACLE CIRCUIT SERVING THIS ROOM.
- 16 PROVIDE OUTPUT RELAY FROM NEW FIRE ALARM SYSTEM TO AV SYSTEM. REFER TO TECHNOLOGY DIAGRAMS FOR MORE INFORMATION.



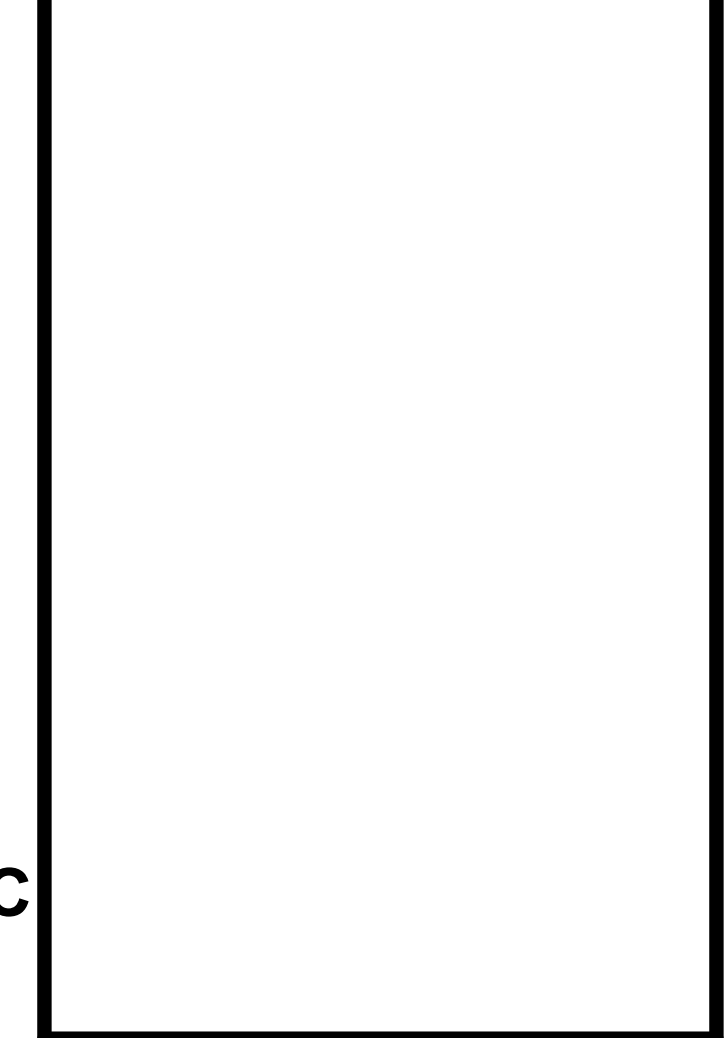
1 FIRST FLOOR ELECTRICAL PLAN - UNIT G
1/8" = 1'-0"

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Project No. 2019-067.OSC
Project Date 07.31.2024
Produced NEM

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| # | Revision | Date |
|---|-------------|------------|
| 1 | ADDENDUM #1 | 08.22.2024 |



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Indianapolis, IN 46240

WASHINGTON TOWNSHIP SCHOOLS

M.S.D. of Washington Township

WASHINGTON TOWNSHIP SCHOOLS

SERVICES CENTER RENOVATION - PHASE 6B

FIRST FLOOR ELECTRICAL PLAN - UNIT G
EP1G1

6 5 4 3 2 1

GENERAL NOTES

- A MOUNT ALL DEVICES AT HEIGHT NOTED ON FOODSERVICE POWER PLANS.
- B ALL DISCONNECT SWITCHES WITHIN KITCHEN SPACES SHALL BE NEMA 4X STAINLESS STEEL UNLESS OTHERWISE NOTED.
- C ALL DEVICE COVERPLATES SHALL BE STAINLESS STEEL UNLESS OTHERWISE NOTED.
- D ALL POWER REQUIREMENTS SHALL BE CONFIRMED WITH ORDERED EQUIPMENT. ALL DEVIATIONS IN POWER REQUIREMENTS FROM BASIS OF DESIGN SHALL BE COMPILED AND REPORTED TO ENGINEER FOR APPROPRIATE MODIFICATION.
- E ALL RECEPTACLES IN KITCHEN SPACES TO BE GFCI TYPE. IF THE RECEPTACLE IS NOT PROVIDED WITH AN INTERNAL GFCI, THE BREAKER IN THE PANEL SERVING THE EQUIPMENT SHALL BE GFCI TYPE.
- F IF DEVICES NOTED WITH NON-RECEPTACLE DISCONNECT ARE MANUFACTURER INSTALLED WITH DISCONNECTING SWITCH, THE NOTED DISCONNECT SHALL BE OMITTED.
- G ALL DISCONNECTING MEANS SHALL BE LOCATED IN A MANNER SUCH THAT THEY ARE NOT ACCESSIBLE TO THE PUBLIC.
- H REFER TO FOODSERVICE EQUIPMENT PLANS AND SHOP DRAWINGS FOR ADDITIONAL INFORMATION ON ALL CONNECTIONS AND WORK BY THE ELECTRICAL CONTRACTOR.
- I ALL WIRE CALLOUTS ARE SIZED WITH COPPER (CU) CONDUCTORS UNLESS OTHERWISE NOTED WITH ALUMINUM (AL).

GENERAL NOTES

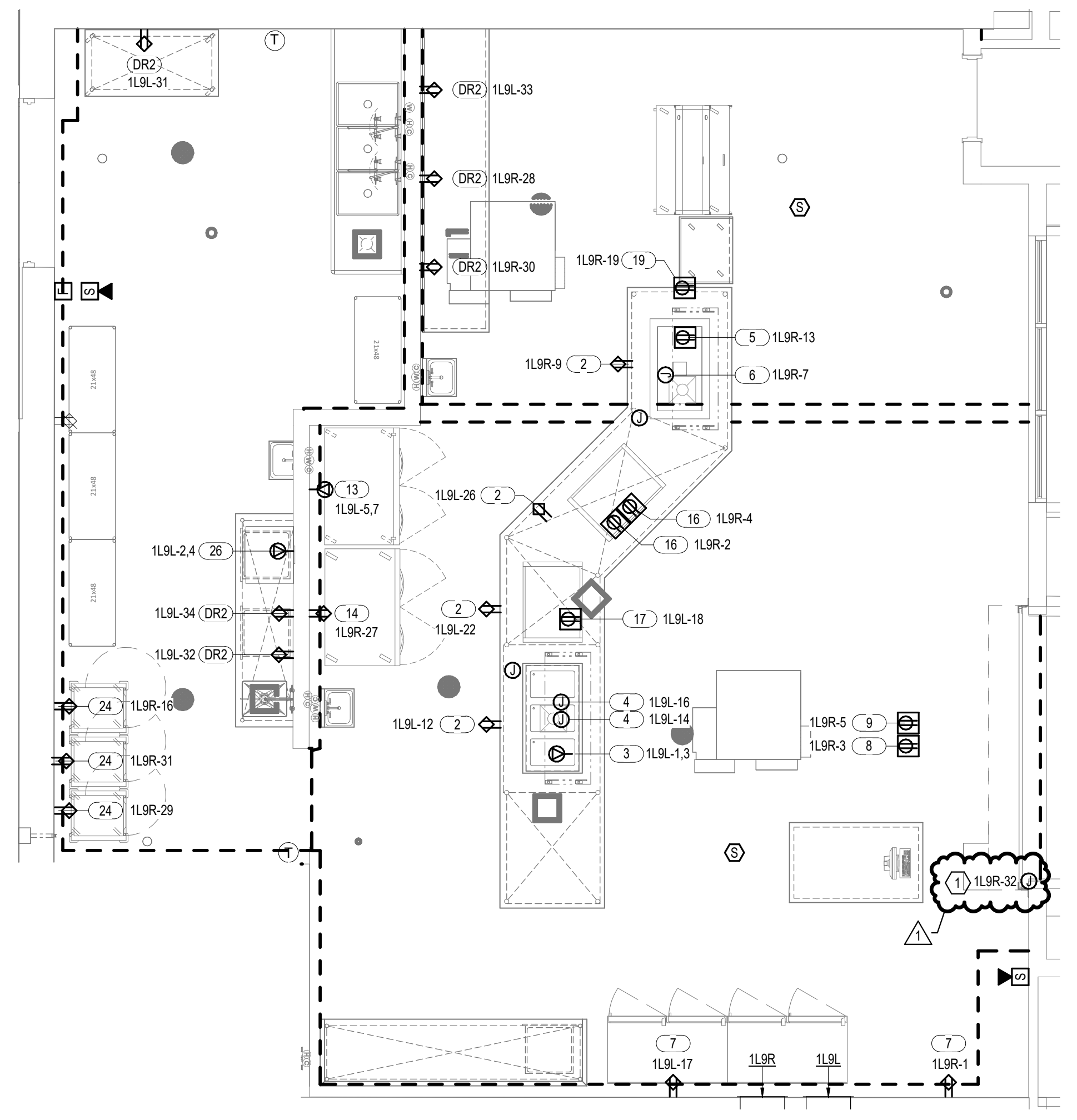
- A REFER TO SHEET E000 FOR GENERAL ELECTRICAL NOTES, SYMBOLS AND ABBREVIATIONS.
- B REFER TO E600 SERIES SHEETS FOR LOAD PANEL SCHEDULES.
- C VERIFY HEIGHT OF ALL COUNTERTOP RECEPTACLES WITH ARCHITECTURAL ELEVATIONS PRIOR TO ROUGH-IN.
- D ALL EXISTING FIRE ALARM DEVICES SHOWN TO WORK AS AN EXTENSION OF NEW FIRE ALARM SYSTEM. EXTEND NEAREST NOTIFICATION AND DETECTION CIRCUITS TO ACCOMMODATE NEW DEVICES. DOCUMENT HALLWAY TIE-IN LOCATION SO DEVICES CAN BE TRANSFERRED OVER TO NEW BUILDING SYSTEM WITH MINIMAL SHUTDOWN.
- E ALL HATCHED REGIONS TO BE CONSIDERED OUT OF SCOPE.
- F RECEPTACLES TAGGED WITH "VO" TO BE INSTALLED INSIDE VIDEO OUTPUT BOX. COORDINATE INSTALLATION WITH AV INSTALLER PRIOR TO ROUGH-IN.
- G CIRCUIT TAG UNDER ROOM NAME INDICATES ALL DEVICES IN ROOM ARE ON INDICATED CIRCUIT UNLESS OTHERWISE NOTED.

SHEET KEYNOTES

- 1 PROVIDE 120V, 20A, 1P ELECTRICAL CONNECTION FOR NEW COILING DOOR. COORDINATE FINAL DOOR LOCATION WITH ARCHITECTURAL DRAWINGS PRIOR TO ROUGH-IN.

FOODSERVICE EQUIPMENT SCHEDULE

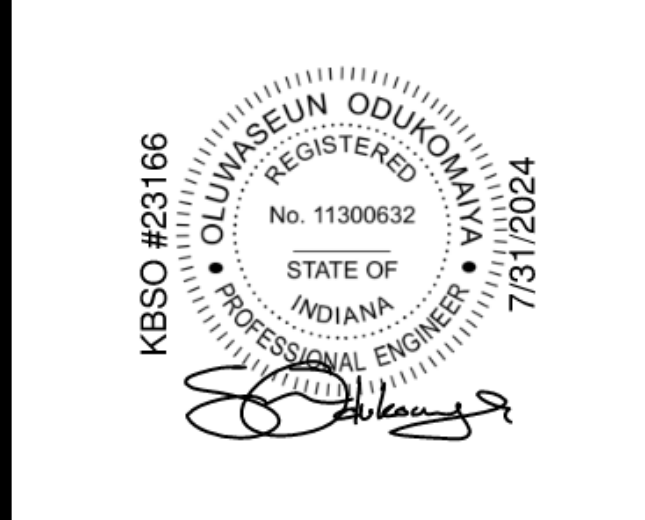
| DEVICE TAG | DESCRIPTION | VOLTAGE | PHASE | MCA | # OF WIRES | WIRE SIZE | GND SIZE | CND SIZE / CABLE TYPE | RECEPT / DISCONNECT |
|------------|------------------------------|---------|-------|------|------------|-----------|----------|-----------------------|---------------------|
| 2 | SERVING COUNTER | 120 V | 1 | 16 | 3 | 12 | 12 | 3/4" | 5-20R |
| 3 | DROP-IN HOT/COLD WELL UNIT | 208 V | 1 | 12 | 3 | 12 | 12 | 3/4" | 5-20R |
| 4 | BREATH GUARD | 120 V | 1 | 16 | 3 | 12 | 12 | 3/4" | DISCONNECT |
| 5 | DROP-IN 3-PAN COLD WELL | 120 V | 1 | 7 | 3 | 12 | 12 | 3/4" | 5-20R / PEDESTAL |
| 6 | BREATH GUARD | 120 V | 1 | 16 | 3 | 12 | 12 | 3/4" | DISCONNECT |
| 7 | REFRIGERATED MERCHANDISER | 120 V | 1 | 6.3 | 3 | 12 | 12 | 3/4" | 5-20R |
| 8 | DOUBLE SIDED CASHIER COUNTER | 120 V | 1 | 16 | 3 | 12 | 12 | 3/4" | 5-20R |
| 9 | POINT OF SALE SYSTEM | 120 V | 1 | 16 | 3 | 12 | 12 | 3/4" | 5-20R |
| 13 | REACH-IN REFRIGERATOR | 208 V | 1 | 14.4 | 3 | 12 | 12 | 3/4" | 5-20R |
| 14 | REACH-IN HEATED CABINET | 120 V | 1 | 5.9 | 3 | 12 | 12 | 3/4" | 5-20R |
| 16 | HEATED SANDWICH SLIDE | 120 V | 1 | 8.5 | 3 | 12 | 12 | 3/4" | 5-20R / PEDESTAL |
| 17 | HEATED SANDWICH SLIDE | 120 V | 1 | 8.5 | 3 | 12 | 12 | 3/4" | 5-20R / PEDESTAL |
| 19 | MILK COOLER | 120 V | 1 | 2.7 | 3 | 12 | 12 | 3/4" | 5-20R / PEDESTAL |
| 24 | HEATED TRANSPORT CARTS | 120 V | 1 | 16 | 3 | 12 | 12 | 3/4" | 5-20R |
| 26 | MICROWAVE STEAMER OVEN | 208 V | 1 | 20 | 3 | 12 | 12 | 3/4" | 5-20R |
| DR2 | DUPLEX CONVENIENCE RECEPT | 120 V | 1 | 16 | 3 | 12 | 12 | 3/4" | 5-20R |



1 ELECTRICAL ENLARGED FOOD SERVICE PLAN
1/4" = 1'-0"

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

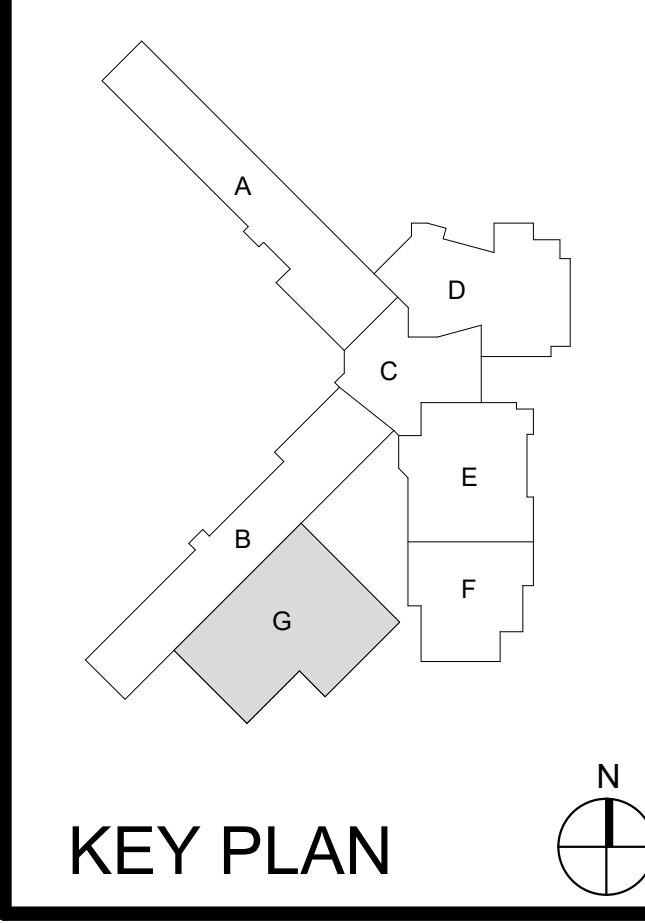
Project No. 2019-067.OSC
Project Date 07.31.2024
Produced NEM



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| # | Revision | Date |
|---|-------------|------------|
| | ADDENDUM #1 | 08.22.2024 |

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Indianapolis, IN 46240



M.S.D. of Washington Township



WASHINGTON TOWNSHIP SCHOOLS

SERVICES CENTER RENOVATION - PHASE 6B

ELECTRICAL ENLARGED PLANS

E401

DATE: 08/22/2024 10:45 AM
DRAWN: J. S. SCHMIDT
CHECKED: J. S. SCHMIDT
PROJECT: SERVICES CENTER RENOVATION - PHASE 6B
SHEET: ELECTRICAL ENLARGED PLANS
E401



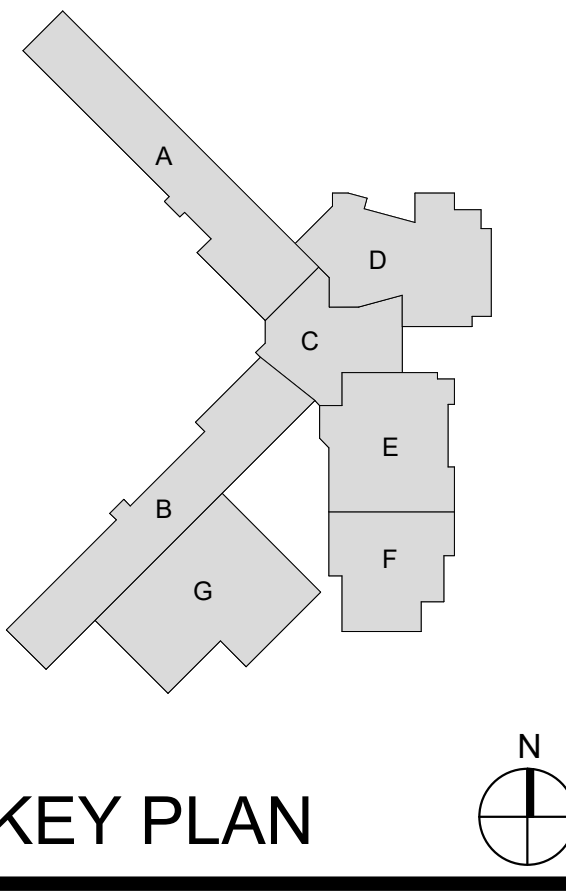
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Table with 3 columns: #, Revision, Date. Row 1: ADDENDUM #1, 08.22.2024

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Indianapolis, IN 46240



SERVICES CENTER RENOVATION - PHASE 6B

ELECTRICAL SCHEDULES

Branch Panel: 1L9R. Location: SCIENCE G-100. Supply From: MLO. Mounting: RECESSED. Enclosure: NEMA 1. Includes circuit schedule table with columns for CKT, Circuit Description, Trip, Poles, A, B, C, Poles, Trip, Circuit Description, CKT. Total Load: 7526 VA, 81 A, 48 A.

Branch Panel: 1L9L. Location: SCIENCE G-100. Supply From: MLO. Mounting: RECESSED. Enclosure: NEMA 1. Includes circuit schedule table with columns for CKT, Circuit Description, Trip, Poles, A, B, C, Poles, Trip, Circuit Description, CKT. Total Load: 15008 VA, 110 A, 64 A.

Branch Panel: 1L10L. Location: SCIENCE G-100. Supply From: MLO. Mounting: RECESSED. Enclosure: NEMA 1. Includes circuit schedule table with columns for CKT, Circuit Description, Trip, Poles, A, B, C, Poles, Trip, Circuit Description, CKT. Total Load: 4800 VA, 28 A, 31 A.

Branch Panel: 1H1. Location: ELECTRICAL CUSTODIAL. Supply From: MLO. Mounting: SURFACE. Enclosure: NEMA 1. Includes circuit schedule table with columns for CKT, Circuit Description, Trip, Poles, A, B, C, Poles, Trip, Circuit Description, CKT. Total Load: 0 VA, 0 A, 0 A.

Branch Panel: 1L1. Location: STAGE-1 D-103-1. Supply From: SURFACE. Mounting: SURFACE. Enclosure: NEMA 1. Includes circuit schedule table with columns for CKT, Circuit Description, Trip, Poles, A, B, C, Poles, Trip, Circuit Description, CKT. Total Load: 1260 VA, 0 A, 27 A.

Branch Panel: 1L2. Location: Space 658. Supply From: RECESSED. Mounting: RECESSED. Enclosure: NEMA 1. Includes circuit schedule table with columns for CKT, Circuit Description, Trip, Poles, A, B, C, Poles, Trip, Circuit Description, CKT. Total Load: 360 VA, 7 A, 0 A.

E
D
C
B
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Branch Panel: 1L19L

Location: KEY CLOSET/ELEC. B-142
Supply From:
Mounting: SURFACE
Enclosure: NEMA 1
Volts: 120/208 Wye
Phases: 3
Wires: 4
A.I.C. Rating: EXISTING
Mains Type: MCB
Mains Rating: 600 A

Table with columns: CKT, Circuit Description, Trip, Poles, A, B, C, Poles, Trip, Circuit Description, CKT. Lists various electrical circuits and their specifications.

Legend table with columns: Load Classification, Connected Load, Demand Factor, Estimated Demand, Panel Totals. Includes summary statistics for the panel.

Notes: EXISTING SQUARE D - I-LINE PANELBOARD

Branch Panel: 1L17

Location: ELECTRICAL/CUSTODIAL...
Supply From:
Mounting: SURFACE
Enclosure: NEMA 1
Volts: 120/208 Wye
Phases: 3
Wires: 4
A.I.C. Rating: EXISTING AIC
Mains Type: MCB
Mains Rating: 600 A

Table with columns: CKT, Circuit Description, Trip, Poles, A, B, C, Poles, Trip, Circuit Description, CKT. Lists various electrical circuits and their specifications.

Legend table with columns: Load Classification, Connected Load, Demand Factor, Estimated Demand, Panel Totals. Includes summary statistics for the panel.

Notes: EXISTING SQUARE D - TYPE NQ00 PANELBOARD.

Branch Panel: 1L15

Location: MECHANICAL EQUIPMENT...
Supply From:
Mounting: SURFACE
Enclosure: NEMA 1
Volts: 120/208 Wye
Phases: 3
Wires: 4
A.I.C. Rating: EXISTING
Mains Type: MCB
Mains Rating: 225 A

Table with columns: CKT, Circuit Description, Trip, Poles, A, B, C, Poles, Trip, Circuit Description, CKT. Lists various electrical circuits and their specifications.

Legend table with columns: Load Classification, Connected Load, Demand Factor, Estimated Demand, Panel Totals. Includes summary statistics for the panel.

Notes: EXISTING SQUARE D - NQ0B PANELBOARD

Branch Panel: 1L13

Location: JAN. G-113
Supply From:
Mounting: SURFACE
Enclosure: NEMA 1
Volts: 120/208 Wye
Phases: 3
Wires: 4
A.I.C. Rating: EXISTING
Mains Type: MCB
Mains Rating: 225 A

Table with columns: CKT, Circuit Description, Trip, Poles, A, B, C, Poles, Trip, Circuit Description, CKT. Lists various electrical circuits and their specifications.

Legend table with columns: Load Classification, Connected Load, Demand Factor, Estimated Demand, Panel Totals. Includes summary statistics for the panel.

Notes: EXISTING SQUARE D - NQ0D PANELBOARD

Branch Panel: 1L11

Location: CUSTODIAN'S OFFICE D-132
Supply From:
Mounting: RECESSED
Enclosure: NEMA 1
Volts: 120/208 Wye
Phases: 3
Wires: 4
A.I.C. Rating: EXISTING
Mains Type: MCB
Mains Rating: 100 A

Table with columns: CKT, Circuit Description, Trip, Poles, A, B, C, Poles, Trip, Circuit Description, CKT. Lists various electrical circuits and their specifications.

Legend table with columns: Load Classification, Connected Load, Demand Factor, Estimated Demand, Panel Totals. Includes summary statistics for the panel.

Notes: EXISTING SQUARE D - NQ0B PANELBOARD
** = REPLACE EXISTING SPARE WITH CIRCUIT BREAKER.

Branch Panel: 1L10R

Location: EXISTING ELECTRICAL...
Supply From:
Mounting: SURFACE
Enclosure: NEMA 1
Volts: 120/208 Wye
Phases: 3
Wires: 4
A.I.C. Rating: EXISTING
Mains Type: MCB
Mains Rating: 225 A

Table with columns: CKT, Circuit Description, Trip, Poles, A, B, C, Poles, Trip, Circuit Description, CKT. Lists various electrical circuits and their specifications.

Legend table with columns: Load Classification, Connected Load, Demand Factor, Estimated Demand, Panel Totals. Includes summary statistics for the panel.

Notes: EXISTING GE - A SERIES PANELBOARD
** REPLACE EXISTING 50A SPARE WITH NEW 30A BREAKER.



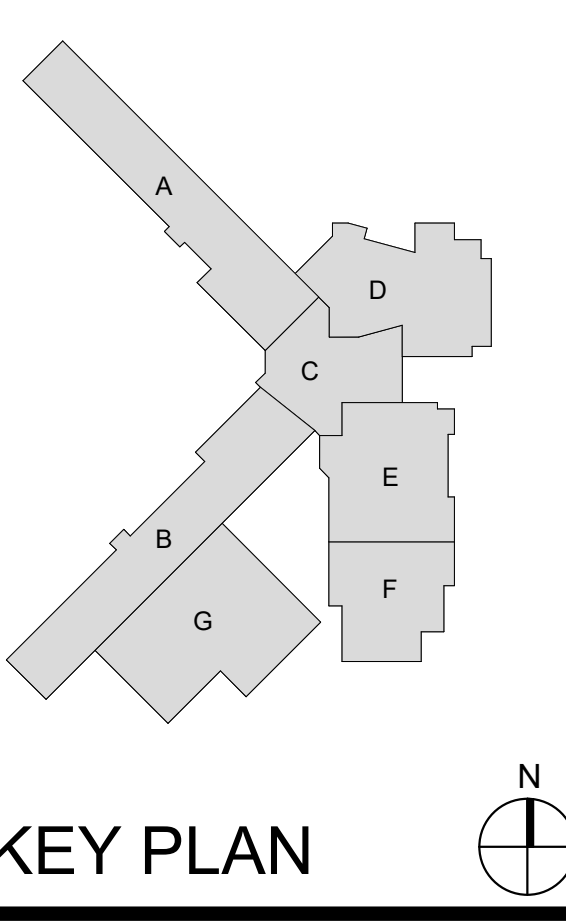
Project No. 2019-067.OSC
Project Date 07.31.2024
Produced NEM



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Revision table with columns: #, Revision, Date. Shows ADDENDUM #1 dated 08.22.2024.

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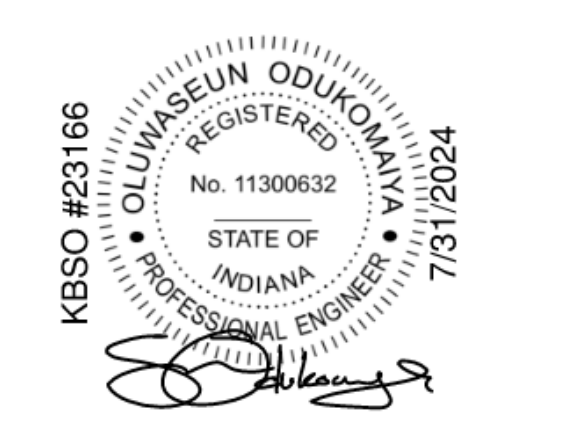


SERVICES CENTER RENOVATION - PHASE 6B

ELECTRICAL SCHEDULES



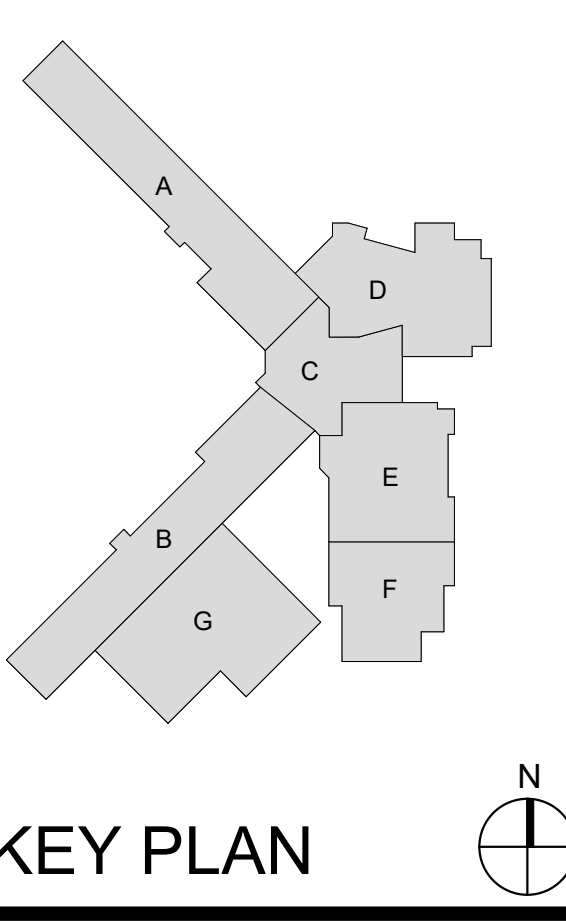
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Table with 3 columns: #, Revision, Date. Row 1: #, Revision, Date. Row 2: ADDENDUM #1, 08.22.2024

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SERVICES CENTER RENOVATION - PHASE 6B

ELECTRICAL SCHEDULES

Branch Panel: 1L28. Location: STORAGE G-115. Supply From: SURFACE. Mounting: SURFACE. Enclosure: NEMA 1. A.I.C. Rating: EXISTING. Mains Type: MCB. Mains Rating: 225 A. Table with 18 columns: CKT, Circuit Description, Trip, Poles, A, B, C, Poles, Trip, Circuit Description, CKT. Includes load classification table and notes.

Branch Panel: 1L-29. Location: ELECTRICAL ROOM G-112. Supply From: SURFACE. Mounting: SURFACE. Enclosure: NEMA 1. A.I.C. Rating: EXISTING. Mains Type: MCB. Mains Rating: 400 A. Table with 18 columns: CKT, Circuit Description, Trip, Poles, A, B, C, Poles, Trip, Circuit Description, CKT. Includes load classification table and notes.

Branch Panel: 2L3. Location: SURFACE. Supply From: SURFACE. Mounting: SURFACE. Enclosure: NEMA 1. A.I.C. Rating: EXISTING. Mains Type: MCB. Mains Rating: 225 A. Table with 18 columns: CKT, Circuit Description, Trip, Poles, A, B, C, Poles, Trip, Circuit Description, CKT. Includes load classification table and notes.

Branch Panel: 1L19R. Location: KEY CLOSET/ELEC. B-142. Supply From: SURFACE. Mounting: SURFACE. Enclosure: NEMA 1. A.I.C. Rating: EXISTING. Mains Type: MCB. Mains Rating: 600 A. Table with 18 columns: CKT, Circuit Description, Trip, Poles, A, B, C, Poles, Trip, Circuit Description, CKT. Includes load classification table and notes.

Branch Panel: 1L26. Location: ELEC.-1 F-107A-1. Supply From: SURFACE. Mounting: SURFACE. Enclosure: NEMA 1. A.I.C. Rating: EXISTING. Mains Type: MCB. Mains Rating: 600 A. Table with 18 columns: CKT, Circuit Description, Trip, Poles, A, B, C, Poles, Trip, Circuit Description, CKT. Includes load classification table and notes.

Branch Panel: 1L27. Location: STORAGE F-102A. Supply From: SURFACE. Mounting: SURFACE. Enclosure: NEMA 1. A.I.C. Rating: EXISTING. Mains Type: MCB. Mains Rating: 225 A. Table with 18 columns: CKT, Circuit Description, Trip, Poles, A, B, C, Poles, Trip, Circuit Description, CKT. Includes load classification table and notes.



Project No. 2019-067.OSC
Project Date 07.31.2024
Produced NEM



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Branch Panel: LX2
Location: Mechanical Room B-101C
Supply From: Mounting: SURFACE
Enclosure: NEMA 1
Volts: 120/208 Wye
Phases: 3
Wires: 4
A.I.C. Rating: EXISTING
Mains Type: MCB
Mains Rating: 250 A
MCB Rating: 250 A

Branch Panel: 1G3
Location: MECHANICAL ROOM B-101C
Supply From: Mounting: SURFACE
Enclosure: NEMA 1
Volts: 120/208 Wye
Phases: 3
Wires: 4
A.I.C. Rating: EXISTING
Mains Type: MCB
Mains Rating: 225 A
MCB Rating: 150 A

Branch Panel: IG2
Location: Mechanical Room B-101C
Supply From: Mounting: SURFACE
Enclosure: NEMA 1
Volts: 120/208 Wye
Phases: 3
Wires: 4
A.I.C. Rating: EXISTING
Mains Type: MCB
Mains Rating: 225 A
MCB Rating: 225 A

Branch Panel: 2L9
Location: Mechanical Room B-101C
Supply From: Mounting: SURFACE
Enclosure: NEMA 1
Volts: 120/208 Wye
Phases: 3
Wires: 4
A.I.C. Rating: EXISTING
Mains Type: MCB
Mains Rating: 225 A

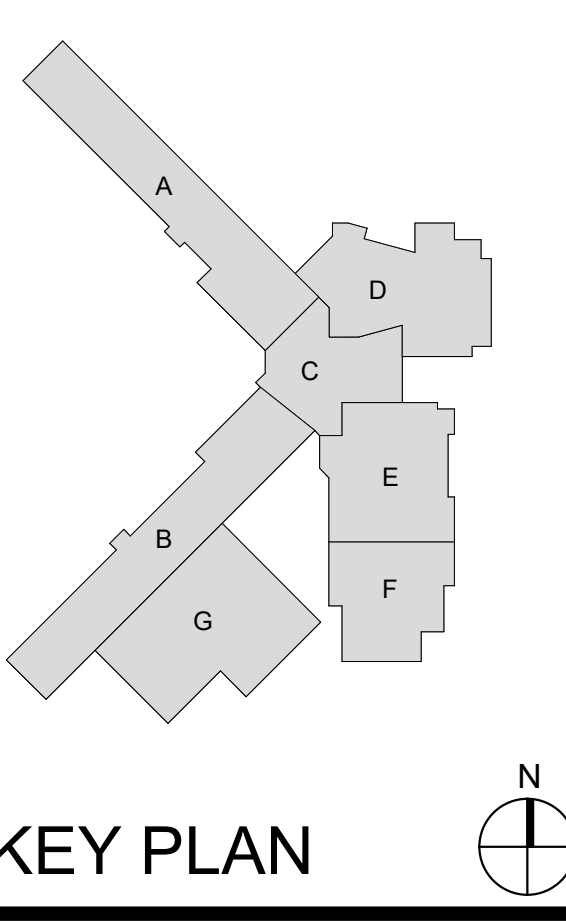
Branch Panel: 2L8
Location: Mechanical Room B-101C
Supply From: Mounting: RECESSED
Enclosure: NEMA 1
Volts: 120/208 Wye
Phases: 3
Wires: 4
A.I.C. Rating: EXISTING
Mains Type: MLO
Mains Rating: 125 A

Branch Panel: 2L7
Location: Mechanical Room B-101C
Supply From: Mounting: SURFACE
Enclosure: NEMA 1
Volts: 120/208 Wye
Phases: 3
Wires: 4
A.I.C. Rating: EXISTING
Mains Type: MCB
Mains Rating: 225 A

Branch Panel: 2L5L
Location: Mechanical Room B-101C
Supply From: Mounting: SURFACE
Enclosure: NEMA 1
Volts: 120/208 Wye
Phases: 3
Wires: 4
A.I.C. Rating: EXISTING
Mains Type: MCB
Mains Rating: 400 A

Revision table with columns: #, Revision, Date

8401 Westfield Blvd
Indianapolis, IN 46240



M.S.D. of Washington Township



SERVICES CENTER RENOVATION - PHASE 6B

ELECTRICAL SCHEDULES

E605

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- SHEET NOTES**
- 1 SHADED AREA OUTSIDE OF CONSTRUCTION SCOPE. ALL DEVICES WITHIN REGION SHALL BE PROTECTED IN PLACE THROUGH CONSTRUCTION.
 - 2 EXISTING WALL MOUNTED PROJECTOR SCREEN TO BE REMOVED FOR DISPOSAL.
 - 3 EXISTING SECURITY CAMERA TO REMAIN PROTECTED IN PLACE THROUGHOUT CONSTRUCTION.
 - 4 EXISTING DOOR POSITION SENSOR AND ALL ASSOCIATED CABLING SHALL BE REMOVED IN ENTIRETY.
 - 5 EXISTING DOOR POSITION SENSOR SHALL BE PROTECTED IN PLACE AND REMAIN ACTIVE WHILE AREA IS UTILIZED BY ADULT ED. ONCE ADULT ED RELOCATES DPS AND ALL ASSOCIATED CABLING SHALL BE REMOVED IN ENTIRETY.

- TECHNOLOGY LEGEND**
- DATA LOCATION - SURFACE MOUNTED
 - DATA RACEWAY - SURFACE MOUNTED
 - DATA RACEWAY - FLUSH MOUNTED
 - DATA RE-CABLE LOCATION - SURFACE MOUNTED
 - DIGITAL SIGNAGE LOCATION - FLUSH MOUNTED
 - MONITOR LOCATION - FLUSH MOUNTED
 - MONITOR LOCATION - SURFACE MOUNTED
 - PROJECTOR LOCATION
 - SHORT THROW PROJECTOR LOCATION
 - TEACHER STATION LOCATION - SURFACE MOUNTED
 - WALL PHONE LOCATION - FLUSH MOUNTED
 - WALL PHONE LOCATION - SURFACE MOUNTED
 - WIRELESS ACCESS POINT - CEILING MOUNTED
 - AV INPUT LOCATION - SURFACE MOUNTED
 - AV INPUT LOCATION - FLUSH MOUNTED
 - AV CONTROL LOCATION - FLUSH MOUNTED
 - AV CONTROL LOCATION - SURFACE MOUNTED
 - AV RACK LOCATION
 - BLUETOOTH RECEIVER ANTENNA LOCATION - FLUSH MOUNTED
 - BLUETOOTH RECEIVER ANTENNA LOCATION - SURFACE MOUNTED
 - CALL SWITCH LOCATION - SURFACE MOUNTED
 - CLOCK LOCATION - SURFACE MOUNTED
 - DUAL SIDED CLOCK LOCATION - SURFACE MOUNTED
 - HEARING ASSISTANCE ANTENNA LOCATION
 - IR MICROPHONE LOCATION
 - PAGING SPEAKER - CEILING MOUNTED
 - PROGRAM SPEAKER - CEILING MOUNTED
 - PROGRAM SPEAKER - SURFACE MOUNTED
 - TOUCH PANEL LOCATION - FLUSH MOUNTED
 - TOUCH PANEL LOCATION - SURFACE MOUNTED
 - ROOM SCHEDULER - FLUSH MOUNTED
 - ROOM SCHEDULER - SURFACE MOUNTED
 - WIRELESS MICROPHONE ANTENNA
 - VOLUME CONTROL - FLUSH MOUNTED
 - VOLUME CONTROL - SURFACE MOUNTED
 - CARD READER LOCATION
 - CARD READER LOCATION - MULLION MOUNTED
 - DOOR POSITION SWITCH LOCATION
 - AUDIO INTERCOM DOOR STATION LOCATION
 - VIDEO INTERCOM DOOR STATION LOCATION
 - MOTION SENSOR - SURFACE MOUNTED
 - MOTION SENSOR - CEILING MOUNTED
 - INTRUSION DETECTION KEYPAD LOCATION
 - DURESS BUTTON LOCATION
 - DOOR RELEASE BUTTON
 - VIDEO INTERCOM ANSWERING STATION - DESK MOUNTED
 - SECURITY CAMERA - CEILING MOUNTED
 - SECURITY CAMERA - WALL MOUNTED

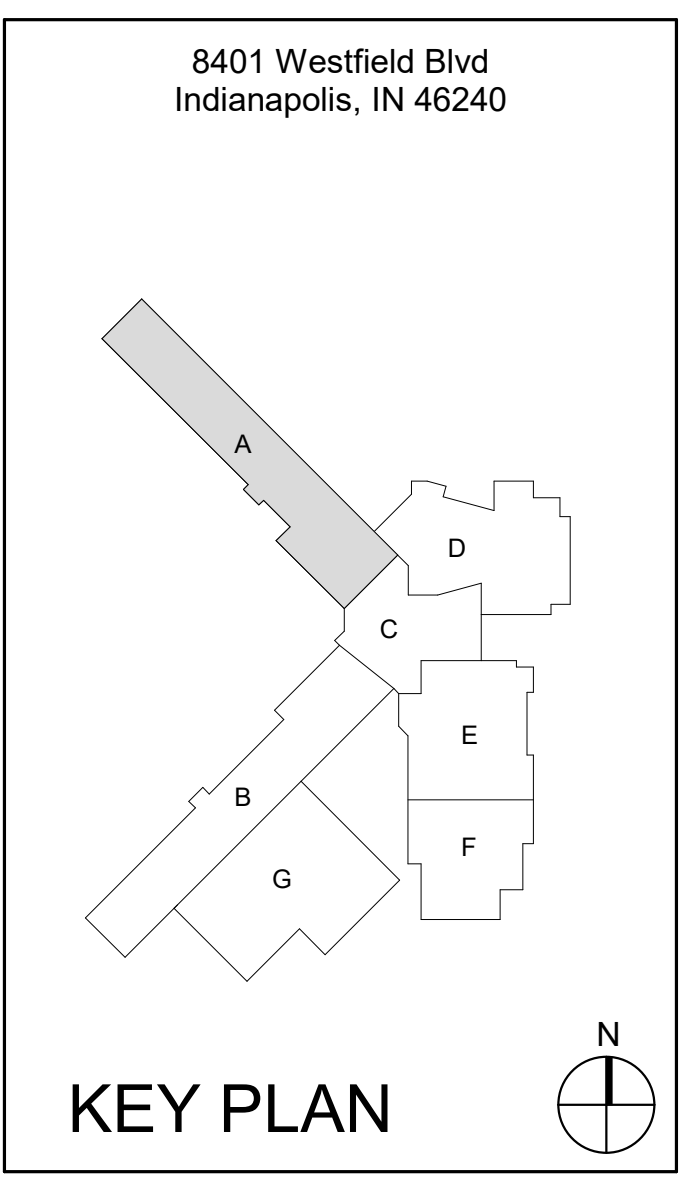
- GENERAL DEMOLITION NOTES**
- A CONTRACTOR SHALL DEMOLISH ALL EXISTING CABLING OUTLETS WITHIN THE CONSTRUCTION AREA. OUTLETS WITHIN AREAS THAT ARE TO REMAIN OCCUPIED SHALL BE PROTECTED IN PLACE UNTIL SUCH OUTLETS ARE NO LONGER REQUIRED.
 - B DEMOLITION SHALL REQUIRE CABLING BE REMOVED IN ITS ENTIRETY FROM THE WORK AREA OUTLET BACK TO THE POINT OF TERMINATION IN THE ASSOCIATED TELECOM ROOM.
 - C ALL DEMOLITION SHALL BE COMPLETED ACCORDING TO THE DIVISION 27 SPECIFICATIONS.
 - D OUTSIDE DEMOLITION LIMITS OR WHERE SPECIFICALLY NOTED ON THE DRAWINGS, ALL EXISTING ALARM AND SECURITY SYSTEM COMPONENTS SERVING THE FACILITY SHALL REMAIN FULLY OPERATIONAL THROUGHOUT CONSTRUCTION. CONTRACTOR SHALL PROVIDE AT LEAST 48 HOUR NOTICE TO THE OWNER OF ANY DOWNTIME ASSOCIATED WITH DEMOLITION ACTIVITIES SO PROPER MEASURES MAY BE TAKEN.
 - E UNLESS SPECIFICALLY NOTED ON THE DRAWINGS ALL EXISTING SECURITY SYSTEM COMPONENTS WITHIN THE DEMOLITION AREA, WHETHER EXPLICITLY SHOWN ON THE DEMOLITION SHEETS OR AFFECTED BY CONSTRUCTION ACTIVITIES, SHALL BE REMOVED AND TURNED OVER TO THE OWNER.
 - F UNLESS SPECIFICALLY NOTED ON THE DRAWINGS ALL EXISTING AUDIO-VISUAL EQUIPMENT WITHIN THE DEMOLITION AREA, WHETHER EXPLICITLY SHOWN ON THE DEMOLITION SHEETS OR AFFECTED BY CONSTRUCTION ACTIVITIES, SHALL BE REMOVED AND TURNED OVER TO THE OWNER.
 - G UNLESS SPECIFICALLY NOTED ON THE DRAWINGS ALL EXISTING TELECOM EQUIPMENT WITHIN THE DEMOLITION AREA, WHETHER EXPLICITLY SHOWN ON THE DEMOLITION SHEETS OR AFFECTED BY CONSTRUCTION ACTIVITIES, SHALL BE REMOVED AND TURNED OVER TO THE OWNER.
 - H EXISTING IDF/RIDF LOCATION TO REMAIN THROUGHOUT CONSTRUCTION. CONTRACTOR TO PROTECT ROOM, EQUIPMENT, AND CABLING DURING CONSTRUCTION.



Project No. 2019-067.OSC
 Project Date 07.31.2024
 Produced MJC MKD

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| # | Revision | Date |
|---|--------------|------------|
| 1 | Addendum #01 | 08/22/2024 |

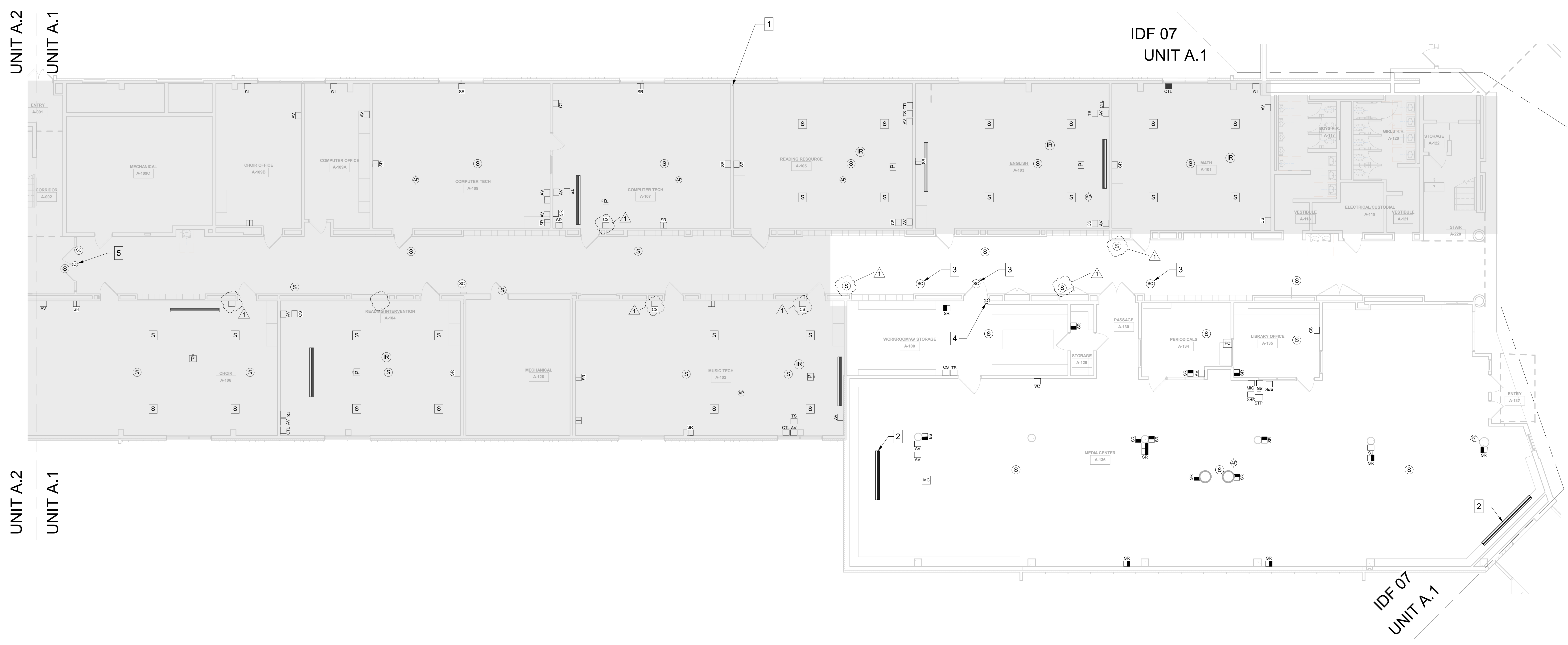


M.S.D. of Washington Township

WASHINGTON TOWNSHIP SCHOOLS

SERVIC CENTER RENOVATION - PHASE 6B

FIRST FLOOR DEMOLITION PLAN - UNIT A1
 TD001A1



FIRST FLOOR DEMOLITION PLAN
 1 - UNIT A1
 1/8" = 1'-0"

6 5 4 3 2 1

DRAWN BY: JEFFREY W. BROWN, ARCHITECT
 PROJECT NO. 2019-067.OSC
 SHEET NO. TD001A1
 DATE: 08/22/2024

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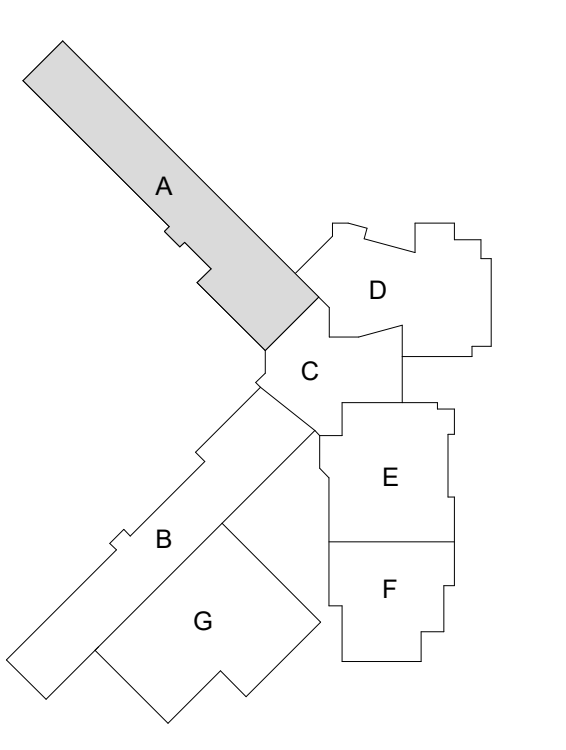
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| 1 | Addendum #01 | 08/22/2024 |

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KEY PLAN



WASHINGTON TOWNSHIP SCHOOLS

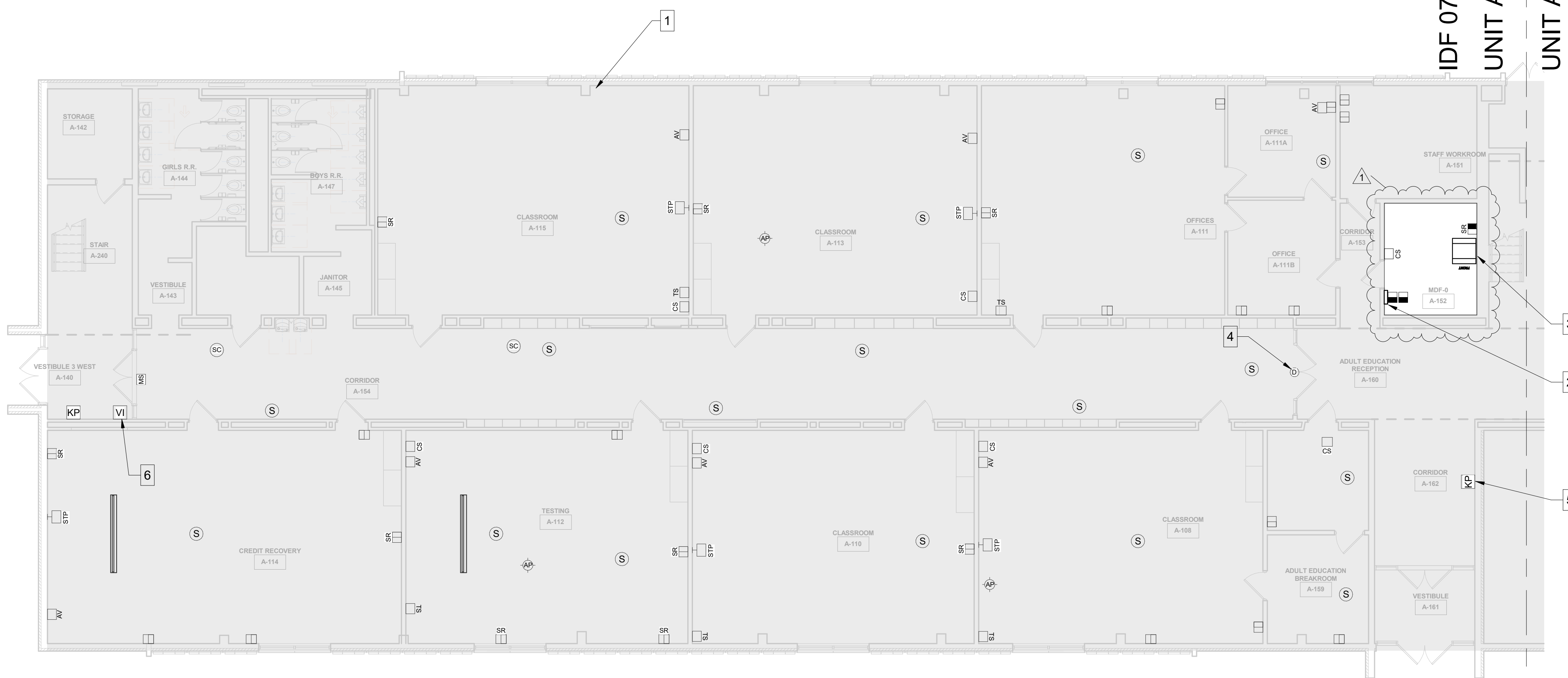
SERVIC CENTER RENOVATION - PHASE 6B

FIRST FLOOR DEMOLITION PLAN - UNIT A2
 TD001A2

- GENERAL DEMOLITION NOTES**
- A CONTRACTOR SHALL DEMOLISH ALL EXISTING CABLING OUTLETS WITHIN THE CONSTRUCTION AREA. OUTLETS WITHIN AREAS THAT ARE TO REMAIN OCCUPIED SHALL BE PROTECTED IN PLACE UNTIL SUCH OUTLETS ARE NO LONGER REQUIRED.
 - B DEMOLITION SHALL REQUIRE CABLING BE REMOVED IN ITS ENTIRETY FROM THE WORK AREA OUTLET BACK TO THE POINT OF TERMINATION IN THE ASSOCIATED TELECOM ROOM.
 - C ALL DEMOLITION SHALL BE COMPLETED ACCORDING TO THE DIVISION 27 SPECIFICATIONS.
 - D OUTSIDE DEMOLITION LIMITS OR WHERE SPECIFICALLY NOTED ON THE DRAWINGS, ALL EXISTING ALARM AND SECURITY SYSTEM COMPONENTS SERVING THE FACILITY SHALL REMAIN FULLY OPERATIONAL THROUGHOUT CONSTRUCTION. CONTRACTOR SHALL PROVIDE AT LEAST 48 HOUR NOTICE TO THE OWNER OF ANY DOWNTIME ASSOCIATED WITH DEMOLITION ACTIVITIES SO PROPER MEASURES MAY BE TAKEN.
 - E UNLESS SPECIFICALLY NOTED ON THE DRAWINGS ALL EXISTING SECURITY SYSTEM COMPONENTS WITHIN THE DEMOLITION AREA, WHETHER EXPLICITLY SHOWN ON THE DEMOLITION SHEETS OR AFFECTED BY CONSTRUCTION ACTIVITIES, SHALL BE REMOVED AND TURNED OVER TO THE OWNER.
 - F UNLESS SPECIFICALLY NOTED ON THE DRAWINGS ALL EXISTING AUDIO-VISUAL EQUIPMENT WITHIN THE DEMOLITION AREA, WHETHER EXPLICITLY SHOWN ON THE DEMOLITION SHEETS OR AFFECTED BY CONSTRUCTION ACTIVITIES, SHALL BE REMOVED AND TURNED OVER TO THE OWNER.
 - G UNLESS SPECIFICALLY NOTED ON THE DRAWINGS ALL EXISTING TELECOM EQUIPMENT WITHIN THE DEMOLITION AREA, WHETHER EXPLICITLY SHOWN ON THE DEMOLITION SHEETS OR AFFECTED BY CONSTRUCTION ACTIVITIES, SHALL BE REMOVED AND TURNED OVER TO THE OWNER.
 - H EXISTING IDF/IDF LOCATION TO REMAIN THROUGHOUT CONSTRUCTION. CONTRACTOR TO PROTECT ROOM EQUIPMENT AND CABLING DURING CONSTRUCTION.

- DEMOLITION LEGEND**
- DATA LOCATION - SURFACE MOUNTED
 - DATA RACEWAY - SURFACE MOUNTED
 - DATA RECABLE - SURFACE MOUNTED
 - MOBILE MONITOR CART LOCATION
 - MOBILE PROJECTOR CART LOCATION
 - MONITOR LOCATION - SURFACE MOUNTED
 - POWER POLE LOCATION
 - PROJECTOR LOCATION
 - SHORT THROW PROJECTOR LOCATION
 - SMART BOARD LOCATION - SURFACE MOUNTED
 - TEACHER STATION LOCATION - SURFACE MOUNTED
 - TELECOM RACK LOCATION
 - VOLUME CONTROL LOCATION - SURFACE MOUNTED
 - WALL PHONE LOCATION - SURFACE MOUNTED
 - WIRELESS ACCESS POINT - CEILING MOUNTED
 - AV INPUT LOCATION - SURFACE MOUNTED
 - AV CONTROL LOCATION - SURFACE MOUNTED
 - AV RACK LOCATION
 - CALL SWITCH LOCATION - SURFACE MOUNTED
 - IR MICROPHONE LOCATION
 - MICRPHONE LOCATION - CEILING MOUNTED
 - MICRPHONE - SURFACE MOUNTED
 - PAGING SPEAKER - CEILING MOUNTED
 - PROGRAM SPEAKER - CEILING MOUNTED
 - PROGRAM SPEAKER - WALL MOUNTED - SURFACE MOUNTED
 - CARD READER LOCATION
 - CARD READER LOCATION - MULLION MOUNTED
 - DOOR POSITION SWITCH LOCATION
 - AUDIO INTERCOM LOCATION
 - VIDEO INTERCOM LOCATION
 - MOTION SENSOR - SURFACE MOUNTED
 - MOTION SENSOR - CEILING MOUNTED
 - KEYPAD LOCATION
 - DRUESS BUTTON LOCATION - DESK MOUNTED
 - VIDEO INTERCOM ANSWERING STATION - DESK MOUNTED
 - SECURITY CAMERA - CEILING MOUNTED
 - SECURITY CAMERA - WALL MOUNTED

- SHEET NOTES**
- 1 SHADED AREA OUTSIDE OF CONSTRUCTION SCOPE. ALL DEVICES WITHIN REGION SHALL BE PROTECTED IN PLACE THROUGH CONSTRUCTION.
 - 2 EXISTING INTRUSION PANEL TO REMAIN. MODIFY SYSTEM AND ENCLOSURE AS REQUIRED.
 - 3 EXISTING MDF RACK LOCATION TO REMAIN AND MODIFIED AS REQUIRED.
 - 4 EXISTING DOOR POSITION SENSOR SHALL BE PROTECTED IN PLACE AND REMAIN ACTIVE WHILE AREA IS UTILIZED BY ADULT ED. ONCE ADULT ED RELOCATES DPS AND ALL ASSOCIATED CABLING SHALL BE REMOVED IN ENTIRETY.
 - 5 EXISTING KEYPAD SHALL BE PROTECTED IN PLACE AND REMAIN ACTIVE WHILE AREA IS UTILIZED BY ADULT ED. ONCE ADULT ED RELOCATES KEYPAD AND ALL ASSOCIATED CABLING SHALL BE REMOVED IN ENTIRETY.
 - 6 EXISTING DOOR STATION SHALL BE PROTECTED IN PLACE AND REMAIN ACTIVE WHILE AREA IS UTILIZED BY ADULT ED. ONCE ADULT ED RELOCATES DOOR STATION AND ALL ASSOCIATED CABLING SHALL BE REMOVED IN ENTIRETY.



FIRST FLOOR DEMOLITION PLAN
 - UNIT A2
 1/8" = 1'-0"

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

Project No. 2019-067.OSC
Project Date 07.31.2024
Produced MJC MKD

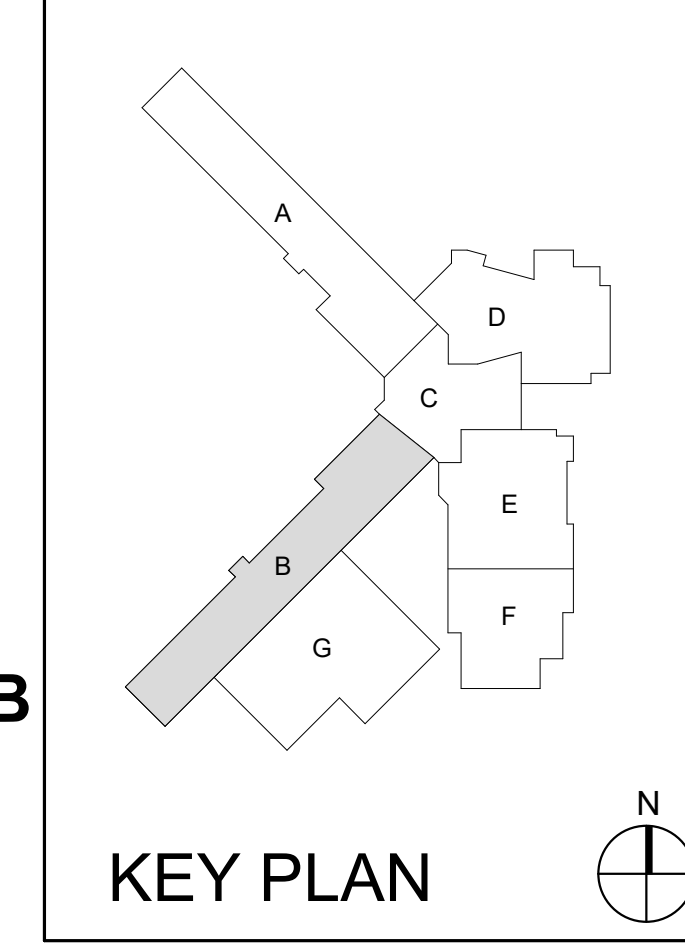


REGISTERED COMMUNICATIONS DISTRIBUTION DESIGNER
BICSI
Matthew Connolly
BICSI ID # 212593
EXPIRES 12-31-24
RCDD

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| # | Revision | Date |
|---|--------------|------------|
| 1 | Addendum #01 | 08/22/2024 |

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M.S.D. of Washington Township



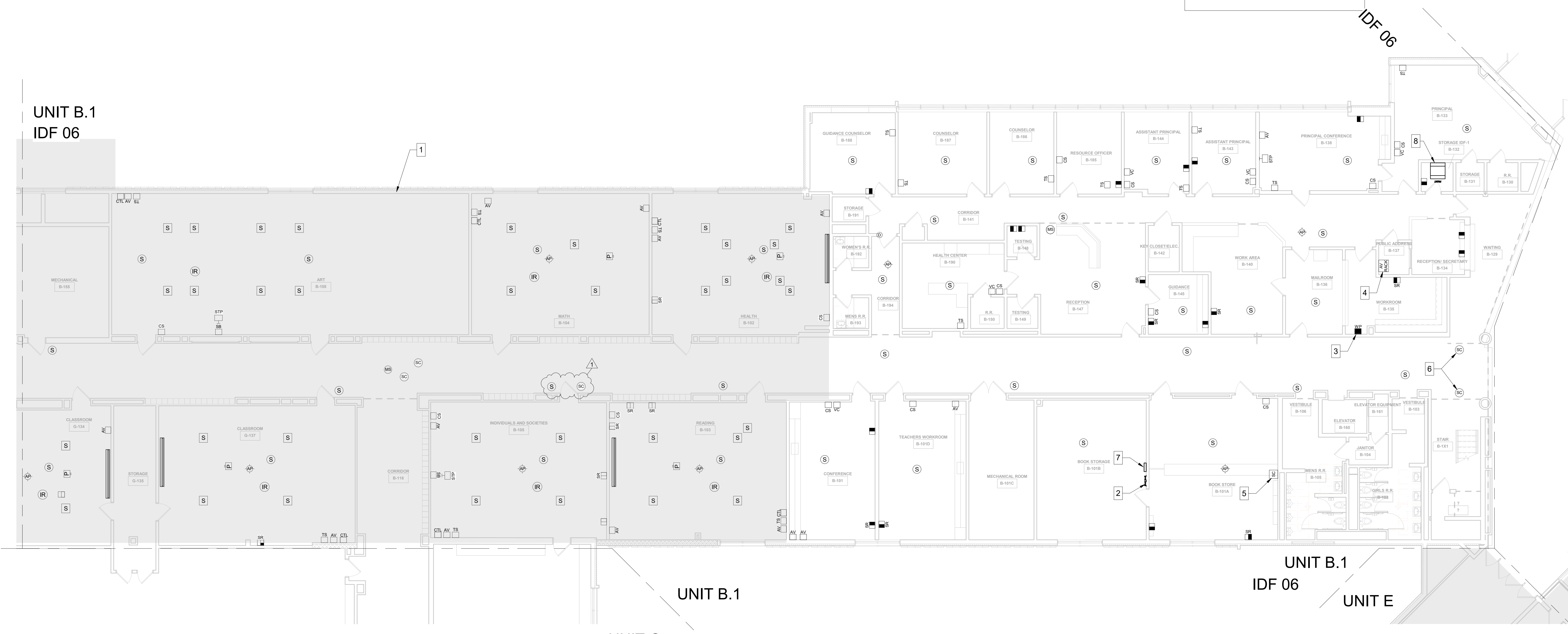
WASHINGTON TOWNSHIP SCHOOLS
SERVICE CENTER RENOVATION - PHASE 6B

FIRST FLOOR DEMOLITION PLAN - UNIT B1
TD001B1

- SHEET NOTES**
- 1 SHADED AREA OUTSIDE OF CONSTRUCTION SCOPE. ALL DEVICES WITHIN REGION SHALL BE PROTECTED IN PLACE THROUGHOUT CONSTRUCTION.
 - 2 EXISTING ABANDONED PBX AND WALL MOUNTED 66 BLOCKS - DEMOLISHED ALL ABANDONED CABLING. COPPER RISER CABLING WITH ACTIVE CIRCUITS SHALL BE REPLACED AS REQUIRED.
 - 3 EXISTING TIME CLOCK LOCATION.
 - 4 EXISTING PAGING AND INTERCOM SYSTEM HEADEND EQUIPMENT RACK LOCATION TO REMAIN PROTECTED IN PLACE THROUGHOUT CONSTRUCTION. SPEAKERS AND CABLING SERVED BY THIS RACK THAT ARE OUTSIDE THE CONSTRUCTION AREA SHALL BE MAINTAINED AND RECONNECTED AS REQUIRED.
 - 5 EXISTING SECURITY CAMERA TO BE REMOVED AND PLACED INTO INVENTORY FOR REINSTALLATION IN NEW LOCATION. ALL CABLING, CONNECTORS AND CONNECTIVITY ACCESSORIES TO BE REMOVED ENTIRELY.
 - 6 EXISTING SECURITY CAMERA TO REMAIN PROTECTED IN PLACE THROUGHOUT CONSTRUCTION.
 - 7 EXISTING ENCLOSURE TO BE DEMOLISHED.
 - 8 EXISTING IDF 01 RACK LOCATION TO REMAIN AND MODIFIED AS REQUIRED.

- DEMOLITION LEGEND**
- DATA LOCATION - SURFACE MOUNTED
 - DATA RACEWAY - SURFACE MOUNTED
 - DATA RECABLE - SURFACE MOUNTED
 - MOBILE MONITOR CART LOCATION
 - MOBILE PROJECTOR CART LOCATION
 - MONITOR LOCATION - SURFACE MOUNTED
 - POWER POLE LOCATION
 - PROJECTOR LOCATION
 - SHORT THROW PROJECTOR LOCATION
 - SMART BOARD LOCATION - SURFACE MOUNTED
 - TELECOM RACK LOCATION
 - VOLUME CONTROL LOCATION - SURFACE MOUNTED
 - WALL PHONE LOCATION - SURFACE MOUNTED
 - WIRELESS ACCESS POINT - CEILING MOUNTED
 - AV INPUT LOCATION - SURFACE MOUNTED
 - AV CONTROL LOCATION - SURFACE MOUNTED
 - AV RACK LOCATION
 - CALL SWITCH LOCATION - SURFACE MOUNTED
 - IR MICROPHONE LOCATION
 - MICROPHONE LOCATION - CEILING MOUNTED
 - MICROPHONE - SURFACE MOUNTED
 - PAGING SPEAKER - CEILING MOUNTED
 - PROGRAM SPEAKER - CEILING MOUNTED
 - PROGRAM SPEAKER - WALL MOUNTED - SURFACE MOUNTED
 - CARD READER LOCATION
 - CARD READER LOCATION - MULLION MOUNTED
 - DOOR POSITION SWITCH LOCATION
 - AUDIO INTERCOM LOCATION
 - VIDEO INTERCOM LOCATION
 - MOTION SENSOR - SURFACE MOUNTED
 - MOTION SENSOR - CEILING MOUNTED
 - KEYPAD LOCATION
 - DRUESS BUTTON LOCATION - DESK MOUNTED
 - VIDEO INTERCOM ANSWERING STATION - DESK MOUNTED
 - SECURITY CAMERA - CEILING MOUNTED
 - SECURITY CAMERA - WALL MOUNTED

- GENERAL DEMOLITION NOTES**
- A CONTRACTOR SHALL DEMOLISH ALL EXISTING CABLING OUTLETS WITHIN THE CONSTRUCTION AREA. OUTLETS WITHIN AREAS THAT ARE TO REMAIN OCCUPIED SHALL BE PROTECTED IN PLACE UNTIL SUCH OUTLETS ARE NO LONGER REQUIRED.
 - B DEMOLITION SHALL REQUIRE CABLING BE REMOVED IN ITS ENTIRETY FROM THE WORK AREA OUTLET BACK TO THE POINT OF TERMINATION IN THE ASSOCIATED TELECOM ROOM.
 - C ALL DEMOLITION SHALL BE COMPLETED ACCORDING TO THE DIVISION 27 SPECIFICATIONS.
 - D OUTSIDE DEMOLITION LIMITS OR WHERE SPECIFICALLY NOTED ON THE DRAWINGS, ALL EXISTING ALARM AND SECURITY SYSTEM COMPONENTS SERVING THE FACILITY SHALL REMAIN FULLY OPERATIONAL THROUGHOUT CONSTRUCTION. CONTRACTOR SHALL PROVIDE AT LEAST 48 HOUR NOTICE TO THE OWNER OF ANY DOWNTIME ASSOCIATED WITH DEMOLITION ACTIVITIES SO PROPER MEASURES MAY BE TAKEN.
 - E UNLESS SPECIFICALLY NOTED ON THE DRAWINGS ALL EXISTING SECURITY SYSTEM COMPONENTS WITHIN THE DEMOLITION AREA, WHETHER EXPLICITLY SHOWN ON THE DEMOLITION SHEETS OR AFFECTED BY CONSTRUCTION ACTIVITIES, SHALL BE REMOVED AND TURNED OVER TO THE OWNER.
 - F UNLESS SPECIFICALLY NOTED ON THE DRAWINGS ALL EXISTING AUDIO-VISUAL EQUIPMENT WITHIN THE DEMOLITION AREA, WHETHER EXPLICITLY SHOWN ON THE DEMOLITION SHEETS OR AFFECTED BY CONSTRUCTION ACTIVITIES, SHALL BE REMOVED AND TURNED OVER TO THE OWNER.
 - G UNLESS SPECIFICALLY NOTED ON THE DRAWINGS ALL EXISTING TELECOM EQUIPMENT WITHIN THE DEMOLITION AREA, WHETHER EXPLICITLY SHOWN ON THE DEMOLITION SHEETS OR AFFECTED BY CONSTRUCTION ACTIVITIES, SHALL BE REMOVED AND TURNED OVER TO THE OWNER.
 - H EXISTING IDF/RACK LOCATION TO REMAIN THROUGHOUT CONSTRUCTION. CONTRACTOR TO PROTECT ROOM, EQUIPMENT, AND CABLING DURING CONSTRUCTION.



FIRST FLOOR DEMOLITION PLAN
- UNIT B1
1/8" = 1'-0"

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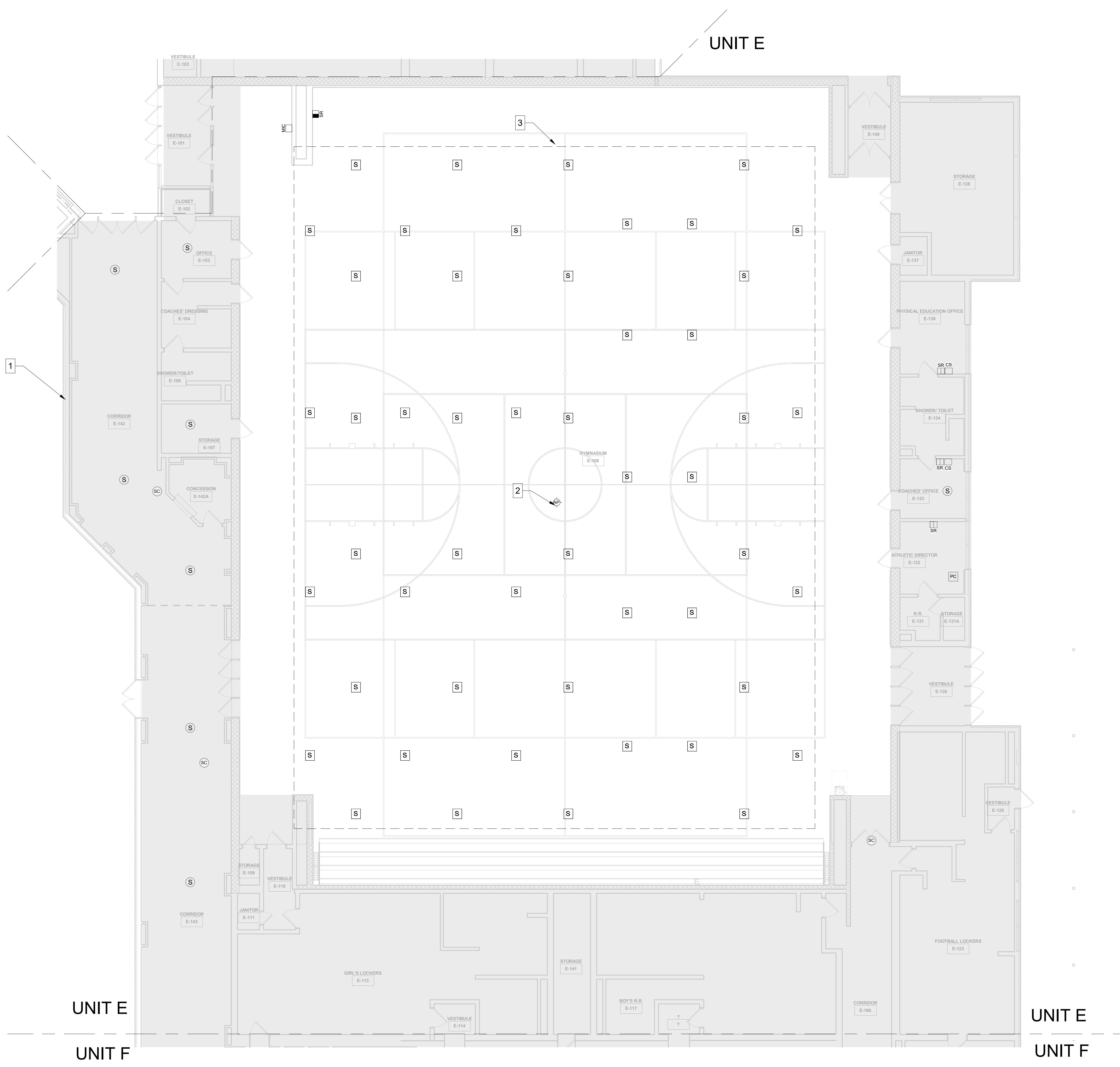
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FIRST FLOOR DEMOLITION PLAN
 ① - UNIT E
 1/8" = 1'-0"

GENERAL DEMOLITION NOTES

- A CONTRACTOR SHALL DEMOLISH ALL EXISTING CABLING OUTLETS WITHIN THE CONSTRUCTION AREA. OUTLETS WITHIN AREAS THAT ARE TO REMAIN OCCUPIED SHALL BE PROTECTED IN PLACE UNTIL SUCH OUTLETS ARE NO LONGER REQUIRED.
- B DEMOLITION SHALL REQUIRE CABLING BE REMOVED IN ITS ENTIRETY FROM THE WORK AREA OUTLET BACK TO THE POINT OF TERMINATION IN THE ASSOCIATED TELECOM ROOM.
- C ALL DEMOLITION SHALL BE COMPLETED ACCORDING TO THE DIVISION 27 SPECIFICATIONS.
- D OUTSIDE DEMOLITION LIMITS OR WHERE SPECIFICALLY NOTED ON THE DRAWINGS, ALL EXISTING ALARM AND SECURITY SYSTEM COMPONENTS SERVING THE FACILITY SHALL REMAIN FULLY OPERATIONAL THROUGHOUT CONSTRUCTION. CONTRACTOR SHALL PROVIDE AT LEAST 48 HOUR NOTICE TO THE OWNER OF ANY DOWNTIME ASSOCIATED WITH DEMOLITION ACTIVITIES SO PROPER MEASURES MAY BE TAKEN.
- E UNLESS SPECIFICALLY NOTED ON THE DRAWINGS ALL EXISTING SECURITY SYSTEM COMPONENTS WITHIN THE DEMOLITION AREA, WHETHER EXPLICITLY SHOWN ON THE DEMOLITION SHEETS OR AFFECTED BY CONSTRUCTION ACTIVITIES, SHALL BE REMOVED AND TURNED OVER TO THE OWNER.
- F UNLESS SPECIFICALLY NOTED ON THE DRAWINGS ALL EXISTING AUDIO-VISUAL EQUIPMENT WITHIN THE DEMOLITION AREA, WHETHER EXPLICITLY SHOWN ON THE DEMOLITION SHEETS OR AFFECTED BY CONSTRUCTION ACTIVITIES, SHALL BE REMOVED AND TURNED OVER TO THE OWNER.
- G UNLESS SPECIFICALLY NOTED ON THE DRAWINGS ALL EXISTING TELECOM EQUIPMENT WITHIN THE DEMOLITION AREA, WHETHER EXPLICITLY SHOWN ON THE DEMOLITION SHEETS OR AFFECTED BY CONSTRUCTION ACTIVITIES, SHALL BE REMOVED AND TURNED OVER TO THE OWNER.
- H EXISTING OFFICE LOCATION TO REMAIN THROUGHOUT CONSTRUCTION. CONTRACTOR TO PROTECT ROOM EQUIPMENT, AND CABLING DURING CONSTRUCTION.

DEMOLITION LEGEND

- DATA LOCATION - SURFACE MOUNTED
- DATA RACEWAY - SURFACE MOUNTED
- DATA RECABLE - SURFACE MOUNTED
- MC MOBILE MONITOR CART LOCATION
- PC MOBILE PROJECTOR CART LOCATION
- MP MONITOR LOCATION - SURFACE MOUNTED
- PP POWER POLE LOCATION
- P PROJECTOR LOCATION
- STP SHORT THROW PROJECTOR LOCATION
- SB SMART BOARD LOCATION - SURFACE MOUNTED
- TS TEACHER STATION LOCATION - SURFACE MOUNTED
- T-COM TELECOM RACK LOCATION
- VOLUME CONTROL LOCATION - SURFACE MOUNTED
- WP WALL PHONE LOCATION - SURFACE MOUNTED
- WAP WIRELESS ACCESS POINT - CEILING MOUNTED
- AV INPUT LOCATION - SURFACE MOUNTED
- AV CONTROL LOCATION - SURFACE MOUNTED
- AV RACK LOCATION
- CALL SWITCH LOCATION - SURFACE MOUNTED
- IR MICROPHONE LOCATION
- M MICRPHONE LOCATION - CEILING MOUNTED
- MICRPHONE - SURFACE MOUNTED
- S PAGING SPEAKER - CEILING MOUNTED
- PROGRAM SPEAKER - CEILING MOUNTED
- SPS PROGRAM SPEAKER - WALL MOUNTED - SURFACE MOUNTED
- CR CARD READER LOCATION
- CD CARD READER LOCATION - MULLION MOUNTED
- DP DOOR POSITION SWITCH LOCATION
- AI AUDIO INTERCOM LOCATION
- VI VIDEO INTERCOM LOCATION
- MS MOTION SENSOR - SURFACE MOUNTED
- MES MOTION SENSOR - CEILING MOUNTED
- KP KEYPAD LOCATION
- DB DRUESS BUTTON LOCATION - DESK MOUNTED
- VIDEO INTERCOM ANSWERING STATION - DESK MOUNTED
- SC SECURITY CAMERA - CEILING MOUNTED
- WC SECURITY CAMERA - WALL MOUNTED

SHEET NOTES

- 1 SHADED AREA OUTSIDE OF CONSTRUCTION SCOPE. ALL DEVICES WITHIN REGION SHALL BE PROTECTED IN PLACE THROUGH CONSTRUCTION.
- 2 EXISTING WIRELESS ACCESS POINT TO REMAIN WITHIN ROOM. CONTRACTOR SHALL UNINSTALL EXISTING WAP AND ASSOCIATED CABLING TO ALLOW FOR CEILING TO BE REMOVED.
- 3 CONTRACTOR SHALL UNINSTALL EXISTING SPEAKER WITHIN DASHED REGION TO ALLOW NEW CEILING TO BE INSTALLED.



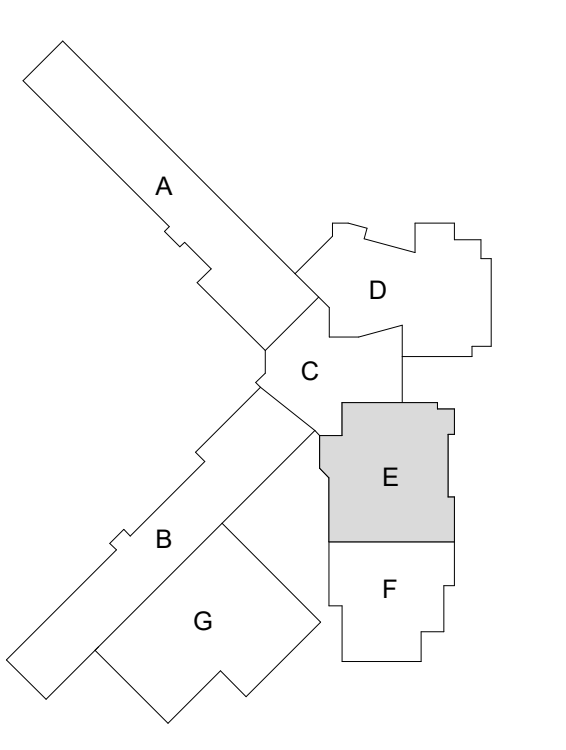
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| 1 | Addendum #01 | 08/22/2024 |

8401 Westfield Blvd
 Indianapolis, IN 46240



KEY PLAN



SERVICE CENTER RENOVATION - PHASE 6B

FIRST FLOOR DEMOLITION PLAN - UNIT E
 TD001E

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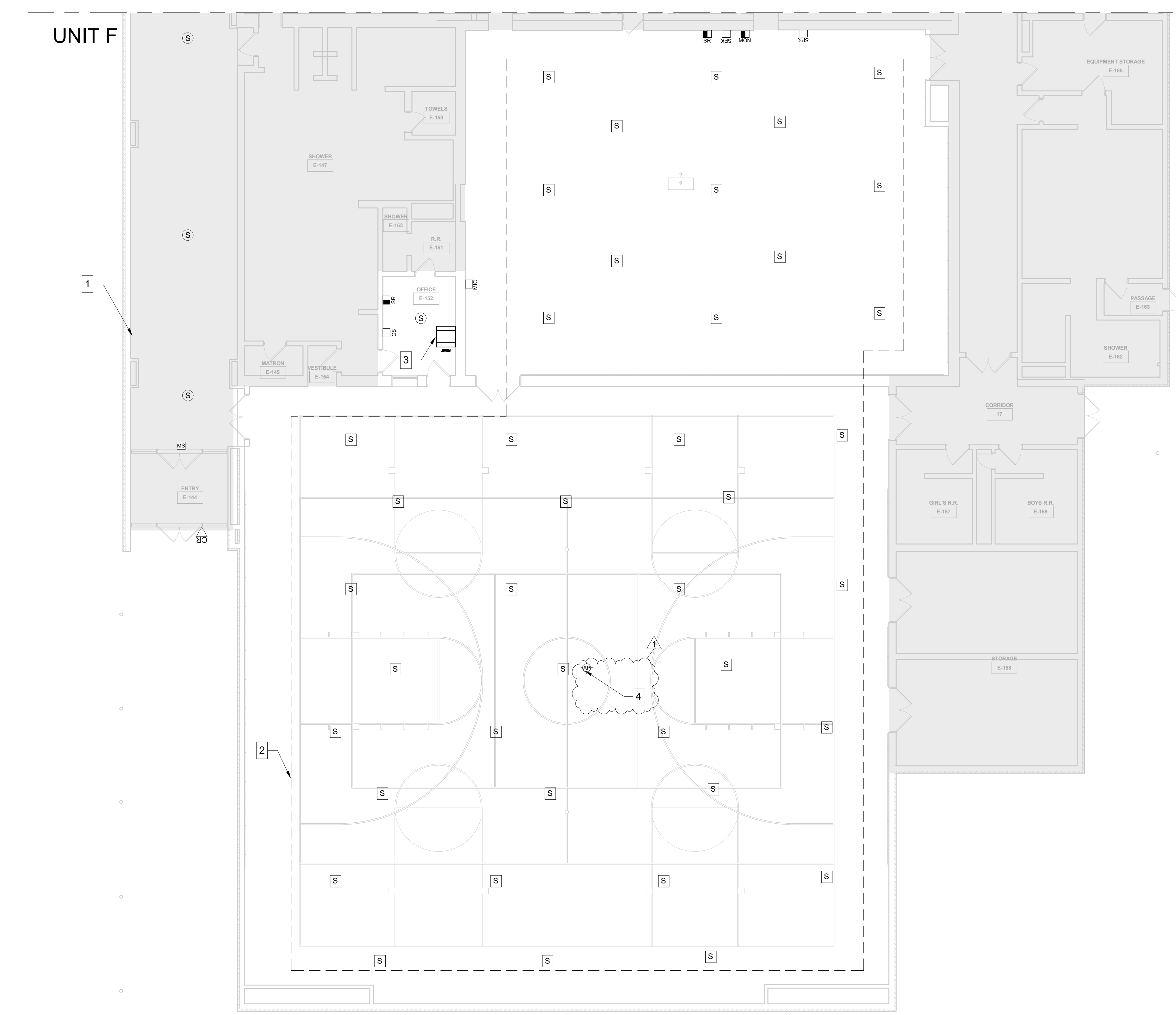
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UNIT E

UNIT F

UNIT E

UNIT F



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

GENERAL DEMOLITION NOTES

- A CONTRACTOR SHALL DEMOLISH ALL EXISTING CABLING OUTLETS WITHIN THE CONSTRUCTION AREA. OUTLETS WITHIN AREAS THAT ARE TO REMAIN OCCUPIED SHALL BE PROTECTED IN PLACE UNTIL SUCH OUTLETS ARE NO LONGER REQUIRED.
- B DEMOLITION SHALL REQUIRE CABLING BE REMOVED IN ITS ENTIRETY FROM THE WORK AREA OUTLET BACK TO THE POINT OF TERMINATION IN THE ASSOCIATED TELECOM ROOM.
- C ALL DEMOLITION SHALL BE COMPLETED ACCORDING TO THE DIVISION 27 SPECIFICATIONS.
- D OUTSIDE DEMOLITION LIMITS OR WHERE SPECIFICALLY NOTED ON THE DRAWINGS, ALL EXISTING ALARM AND SECURITY SYSTEM COMPONENTS SERVING THE FACILITY SHALL REMAIN FULLY OPERATIONAL THROUGHOUT CONSTRUCTION. CONTRACTOR SHALL PROVIDE AT LEAST 48 HOUR NOTICE TO THE OWNER OF ANY DOWNTIME ASSOCIATED WITH DEMOLITION ACTIVITIES SO PROPER MEASURES MAY BE TAKEN.
- E UNLESS SPECIFICALLY NOTED ON THE DRAWINGS ALL EXISTING SECURITY SYSTEM COMPONENTS WITHIN THE DEMOLITION AREA, WHETHER EXPLICITLY SHOWN ON THE DEMOLITION SHEETS OR AFFECTED BY CONSTRUCTION ACTIVITIES, SHALL BE REMOVED AND TURNED OVER TO THE OWNER.
- F UNLESS SPECIFICALLY NOTED ON THE DRAWINGS ALL EXISTING AUDIO-VISUAL EQUIPMENT WITHIN THE DEMOLITION AREA, WHETHER EXPLICITLY SHOWN ON THE DEMOLITION SHEETS OR AFFECTED BY CONSTRUCTION ACTIVITIES, SHALL BE REMOVED AND TURNED OVER TO THE OWNER.
- G UNLESS SPECIFICALLY NOTED ON THE DRAWINGS ALL EXISTING TELECOM EQUIPMENT WITHIN THE DEMOLITION AREA, WHETHER EXPLICITLY SHOWN ON THE DEMOLITION SHEETS OR AFFECTED BY CONSTRUCTION ACTIVITIES, SHALL BE REMOVED AND TURNED OVER TO THE OWNER.
- H EXISTING IDENTIFICATION LOCATION TO REMAIN THROUGHOUT CONSTRUCTION. CONTRACTOR TO PROTECT ROOM, EQUIPMENT, AND CABLING DURING CONSTRUCTION.

DEMOLITION LEGEND

- DATA LOCATION - SURFACE MOUNTED
- DATA RACEWAY - SURFACE MOUNTED
- DATA RECABLE - SURFACE MOUNTED
- MOBILE MONITOR CART LOCATION
- MOBILE PROJECTOR CART LOCATION
- MONITOR LOCATION - SURFACE MOUNTED
- POWER POLE LOCATION
- PROJECTOR LOCATION
- SHORT THROW PROJECTOR LOCATION
- SMART BOARD LOCATION - SURFACE MOUNTED
- TEACHER STATION LOCATION - SURFACE MOUNTED
- TELECOM RACK LOCATION
- VOLUME CONTROL LOCATION - SURFACE MOUNTED
- WALL PHONE LOCATION - SURFACE MOUNTED
- WIRELESS ACCESS POINT - CEILING MOUNTED
- AV INPUT LOCATION - SURFACE MOUNTED
- AV CONTROL LOCATION - SURFACE MOUNTED
- AV RACK LOCATION
- CALL SWITCH LOCATION - SURFACE MOUNTED
- IR MICROPHONE LOCATION
- MICRHPHONE LOCATION - CEILING MOUNTED
- MICRHPHONE - SURFACE MOUNTED
- PAGING SPEAKER - CEILING MOUNTED
- PROGRAM SPEAKER - CEILING MOUNTED
- PROGRAM SPEAKER - WALL MOUNTED - SURFACE MOUNTED
- CARD READER LOCATION
- CARD READER LOCATION - MULLION MOUNTED
- DOOR POSITION SWITCH LOCATION
- AUDIO INTERCOM LOCATION
- VIDEO INTERCOM LOCATION
- MOTION SENSOR - SURFACE MOUNTED
- MOTION SENSOR - CEILING MOUNTED
- KEYPAD LOCATION
- DRUESS BUTTON LOCATION - DESK MOUNTED
- VIDEO INTERCOM ANSWERING STATION - DESK MOUNTED
- SECURITY CAMERA - CEILING MOUNTED
- SECURITY CAMERA - WALL MOUNTED

SHEET NOTES

- 1 SHADED AREA OUTSIDE OF CONSTRUCTION SCOPE. ALL DEVICES WITHIN REGION SHALL BE PROTECTED IN PLACE THROUGH CONSTRUCTION.
- 2 EXISTING IDF OR LOCATION TO REMAIN. MODIFY AS REQUIRED FOR NEW CABLING.
- 3 CONTRACTOR SHALL UNINSTALL EXISTING SPEAKER WITHIN DASHED REGION TO ALLOW NEW CEILING TO BE INSTALLED.
- 4 EXISTING WIRELESS ACCESS POINT TO REMAIN WITHIN ROOM. CONTRACTOR SHALL UNINSTALL EXISTING WAP AND ASSOCIATED CABLING TO ALLOW FOR CEILING TO BE REMOVED.



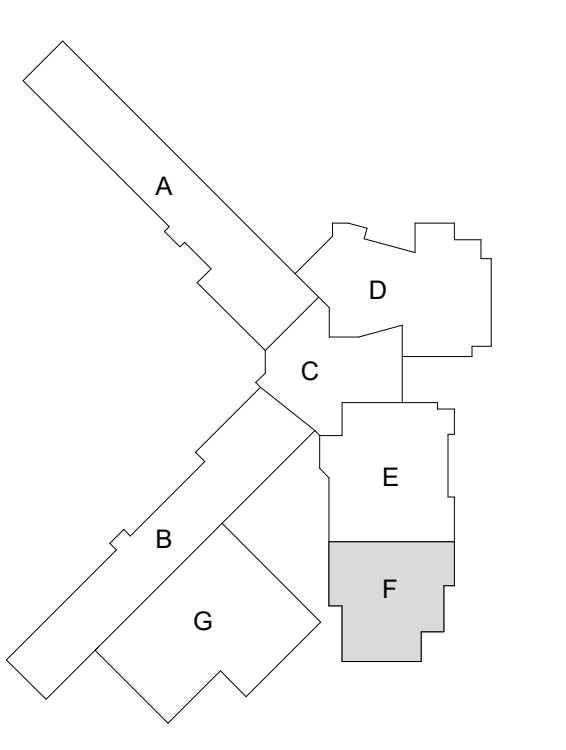
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KEY PLAN



SERVIC CENTER RENOVATION - PHASE 6B

FIRST FLOOR DEMOLITION PLAN - UNIT F
 TD001F

DATE: 08/22/2024 10:58:00 AM
 PROJECT: 2019-067.OSC - PHASE 6B - SERVIC CENTER RENOVATION - UNIT F
 SHEET: TD001F - FIRST FLOOR DEMOLITION PLAN - UNIT F
 DRAWN BY: MJC
 CHECKED BY: MKD
 PLOTTED BY: MJC

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

GENERAL DEMOLITION NOTES

- A CONTRACTOR SHALL DEMOLISH ALL EXISTING CABLING OUTLETS WITHIN THE CONSTRUCTION AREA. OUTLETS WITHIN AREAS THAT ARE TO REMAIN OCCUPIED SHALL BE PROTECTED IN PLACE UNTIL SUCH OUTLETS ARE NO LONGER REQUIRED.
- B DEMOLITION SHALL REQUIRE CABLING BE REMOVED IN ITS ENTIRETY FROM THE WORK AREA OUTLET BACK TO THE POINT OF TERMINATION IN THE ASSOCIATED TELECOM ROOM.
- C ALL DEMOLITION SHALL BE COMPLETED ACCORDING TO THE DIVISION 27 SPECIFICATIONS.
- D OUTSIDE DEMOLITION LIMITS OR WHERE SPECIFICALLY NOTED ON THE DRAWINGS, ALL EXISTING ALARM AND SECURITY SYSTEM COMPONENTS SERVING THE FACILITY SHALL REMAIN FULLY OPERATIONAL THROUGHOUT CONSTRUCTION. CONTRACTOR SHALL PROVIDE AT LEAST 48 HOUR NOTICE TO THE OWNER OF ANY DOWNTIME ASSOCIATED WITH DEMOLITION ACTIVITIES SO PROPER MEASURES MAY BE TAKEN.
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- F UNLESS SPECIFICALLY NOTED ON THE DRAWINGS ALL EXISTING AUDIO-VISUAL EQUIPMENT WITHIN THE DEMOLITION AREA, WHETHER EXPLICITLY SHOWN ON THE DEMOLITION SHEETS OR AFFECTED BY CONSTRUCTION ACTIVITIES, SHALL BE REMOVED AND TURNED OVER TO THE OWNER.
- G UNLESS SPECIFICALLY NOTED ON THE DRAWINGS ALL EXISTING TELECOM EQUIPMENT WITHIN THE DEMOLITION AREA, WHETHER EXPLICITLY SHOWN ON THE DEMOLITION SHEETS OR AFFECTED BY CONSTRUCTION ACTIVITIES, SHALL BE REMOVED AND TURNED OVER TO THE OWNER.
- H EXISTING IDF/RACK LOCATION TO REMAIN THROUGHOUT CONSTRUCTION. CONTRACTOR TO PROTECT ROOM EQUIPMENT AND CABLING DURING CONSTRUCTION.

DEMOLITION LEGEND

- DATA LOCATION - SURFACE MOUNTED
- DATA RACEWAY - SURFACE MOUNTED
- DATA RECABLE - SURFACE MOUNTED
- MOBILE MONITOR CART LOCATION
- MOBILE PROJECTOR CART LOCATION
- MONITOR LOCATION - SURFACE MOUNTED
- POWER POLE LOCATION
- PROJECTOR LOCATION
- SHORT THROW PROJECTOR LOCATION
- SMART BOARD LOCATION - SURFACE MOUNTED
- TEACHER STATION LOCATION - SURFACE MOUNTED
- TELECOM RACK LOCATION
- VOLUME CONTROL LOCATION - SURFACE MOUNTED
- WALL PHONE LOCATION - SURFACE MOUNTED
- WIRELESS ACCESS POINT - CEILING MOUNTED
- AV INPUT LOCATION - SURFACE MOUNTED
- AV CONTROL LOCATION - SURFACE MOUNTED
- AV RACK LOCATION
- CALL SWITCH LOCATION - SURFACE MOUNTED
- IR MICROPHONE LOCATION
- MICRPHONE LOCATION - CEILING MOUNTED
- MICRPHONE - SURFACE MOUNTED
- PAGING SPEAKER - CEILING MOUNTED
- PROGRAM SPEAKER - CEILING MOUNTED
- PROGRAM SPEAKER - WALL MOUNTED - SURFACE MOUNTED
- CARD READER LOCATION
- CARD READER LOCATION - MULLION MOUNTED
- DOOR POSITION SWITCH LOCATION
- AUDIO INTERCOM LOCATION
- VIDEO INTERCOM LOCATION
- MOTION SENSOR - SURFACE MOUNTED
- MOTION SENSOR - CEILING MOUNTED
- KEYPAD LOCATION
- DRUESS BUTTON LOCATION - DESK MOUNTED
- VIDEO INTERCOM ANSWERING STATION - DESK MOUNTED
- SECURITY CAMERA - CEILING MOUNTED
- SECURITY CAMERA - WALL MOUNTED

SHEET NOTES

- 1 SHADED AREA OUTSIDE OF CONSTRUCTION SCOPE. ALL DEVICES WITHIN REGION SHALL BE PROTECTED IN PLACE THROUGH CONSTRUCTION.
- 2 EXISTING WALL MOUNTED PROJECTOR SCREEN TO BE REMOVED FOR DISPOSAL.
- 3 EXISTING RACK TO SERVE CLINIC TO REMAIN PROTECTED IN PLACE THROUGHOUT CONSTRUCTION.
- 4 EXISTING R2S PANEL LOCATION TO REMAIN AND BE MODIFIED AS REQUIRED.
- 5 CARD READERS TO BE REMOVED AND TURNED OVER TO THE OWNER.
- 6 EXISTING SECURITY CAMERA TO REMAIN PROTECTED IN PLACE THROUGHOUT CONSTRUCTION.
- 7 EXISTING DEVICES WITHIN DASHED REGION ARE TO REMAIN PROTECTED IN PLACE THROUGHOUT CONSTRUCTION.
- 8 EXISTING SECURITY CAMERA TO BE REMOVED AND PLACED INTO INVENTORY FOR REINSTALLATION IN NEW LOCATION. ALL CABLING, CONNECTORS AND CONNECTIVITY ACCESSORIES TO BE REMOVED ENTIRELY.
- 9 EXISTING IDF 03 RACK LOCATION TO BE RELOCATED AS REQUIRED.
- 10 EXISTING IDF 02 RACK LOCATION TO BE RELOCATED AS REQUIRED.
- 11 CARD READERS TO REMAIN. PROTECT IN PLACE THROUGHOUT CONSTRUCTION.
- 12 CORRIDOR SIDE CARD READER SHALL BE REMOVED AND RETURNED TO OWNER. RECEPTION SIDE CARD READER TO REMAIN. PROTECT IN PLACE THROUGHOUT CONSTRUCTION.
- 13 DOOR TO BE REMOVED. EXISTING DOOR POSITION SENSOR AND ALL ASSOCIATED CABLING SHALL BE REMOVED IN ENTIRETY.



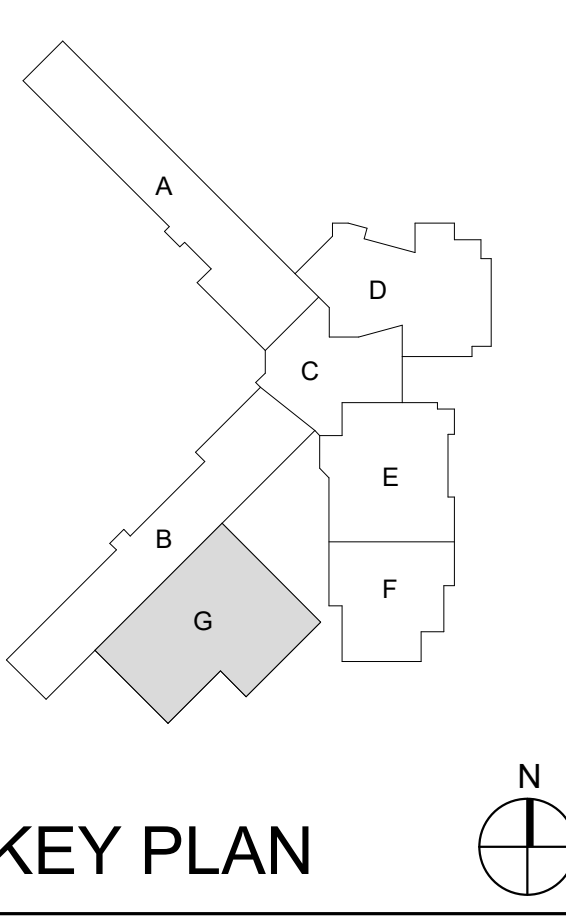
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| 1 | Addendum #01 | 08/22/2024 |

8401 Westfield Blvd
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M.S.D. of
 Washington
 Township



SERVIC CENTER
 RENOVATION -
 PHASE 6B

FIRST FLOOR
 DEMOLITION PLAN -
 UNIT G
 TD001G

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- SHEET NOTES**
- 1 SHADED AREA OUTSIDE OF CONSTRUCTION SCOPE. ALL DEVICES WITHIN REGION SHALL BE PROTECTED IN PLACE THROUGH CONSTRUCTION.
 - 2 EXISTING IDF 07 RACK LOCATION TO REMAIN AND MODIFIED AS REQUIRED.
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 - 4 EXISTING SECURITY CAMERA TO REMAIN PROTECTED IN PLACE THROUGHOUT CONSTRUCTION.

- DEMOLITION LEGEND**
- DATA LOCATION - SURFACE MOUNTED
 - DATA RACEWAY - SURFACE MOUNTED
 - DATA RECABLE - SURFACE MOUNTED
 - MOBILE MONITOR CART LOCATION
 - MOBILE PROJECTOR CART LOCATION
 - MONITOR LOCATION - SURFACE MOUNTED
 - POWER POLE LOCATION
 - PROJECTOR LOCATION
 - SHORT THROW PROJECTOR LOCATION
 - SMART BOARD LOCATION - SURFACE MOUNTED
 - TEACHER STATION LOCATION - SURFACE MOUNTED
 - TELECOM RACK LOCATION
 - VOLUME CONTROL LOCATION - SURFACE MOUNTED
 - WALL PHONE LOCATION - SURFACE MOUNTED
 - WIRELESS ACCESS POINT - CEILING MOUNTED
 - AV INPUT LOCATION - SURFACE MOUNTED
 - AV CONTROL LOCATION - SURFACE MOUNTED
 - AV RACK LOCATION
 - CALL SWITCH LOCATION - SURFACE MOUNTED
 - IR MICROPHONE LOCATION
 - MICROPHONE LOCATION - CEILING MOUNTED
 - MICROPHONE - SURFACE MOUNTED
 - PAGING SPEAKER - CEILING MOUNTED
 - PROGRAM SPEAKER - CEILING MOUNTED
 - PROGRAM SPEAKER - WALL MOUNTED - SURFACE MOUNTED
 - CARD READER LOCATION
 - CARD READER LOCATION - MULLION MOUNTED
 - DOOR POSITION SWITCH LOCATION
 - AUDIO INTERCOM LOCATION
 - VIDEO INTERCOM LOCATION
 - MOTION SENSOR - SURFACE MOUNTED
 - MOTION SENSOR - CEILING MOUNTED
 - KEYPAD LOCATION
 - DRUESS BUTTON LOCATION - DESK MOUNTED
 - VIDEO INTERCOM ANSWERING STATION - DESK MOUNTED
 - SECURITY CAMERA - CEILING MOUNTED
 - SECURITY CAMERA - WALL MOUNTED

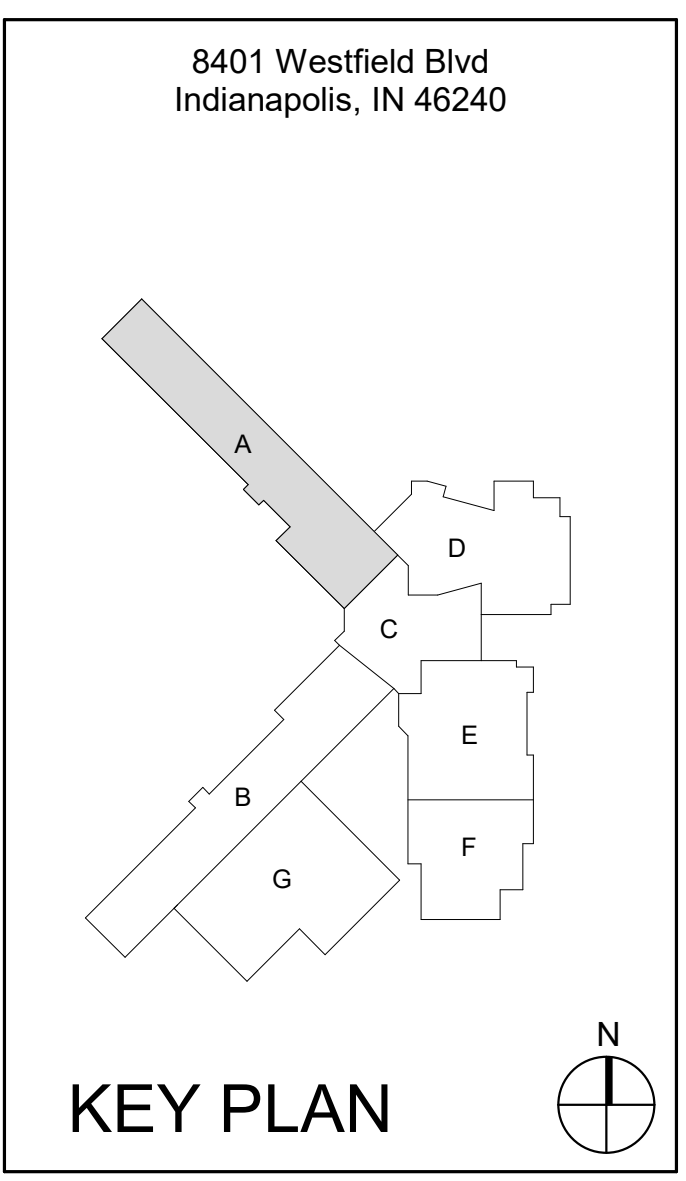
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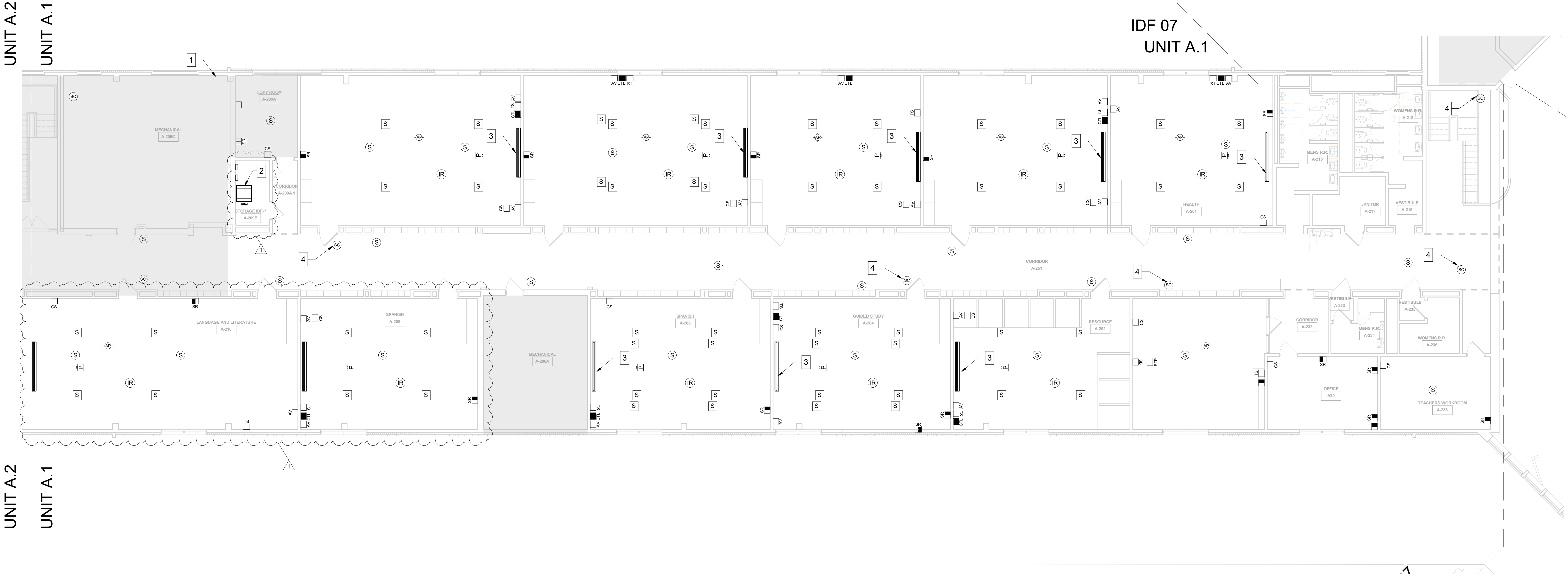


M.S.D. of Washington Township

WASHINGTON TOWNSHIP SCHOOLS

SERVICE CENTER RENOVATION - PHASE 6B

SECOND FLOOR DEMOLITION PLAN - UNIT A1
 TD002A1



SECOND FLOOR DEMOLITION PLAN - UNIT A1
 1/8" = 1'-0"

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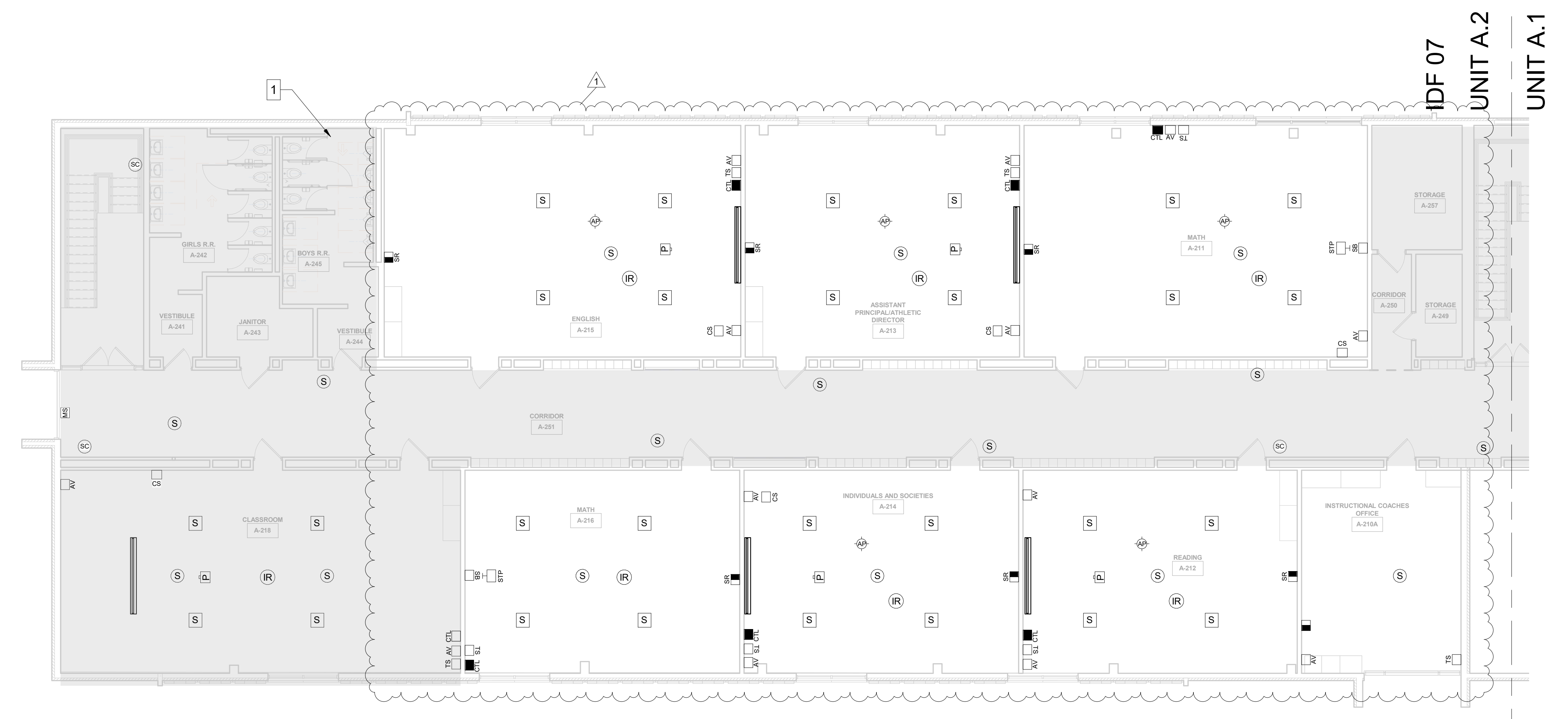
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SECOND FLOOR DEMOLITION PLAN -
UNIT A2
1/8" = 1'-0"

GENERAL DEMOLITION NOTES

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DEMOLITION LEGEND

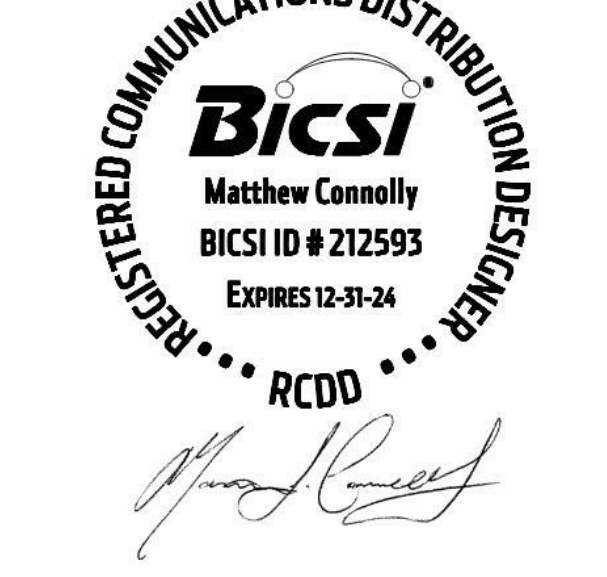
- DATA LOCATION - SURFACE MOUNTED
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- DATA RECABLE - SURFACE MOUNTED
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SHEET NOTES

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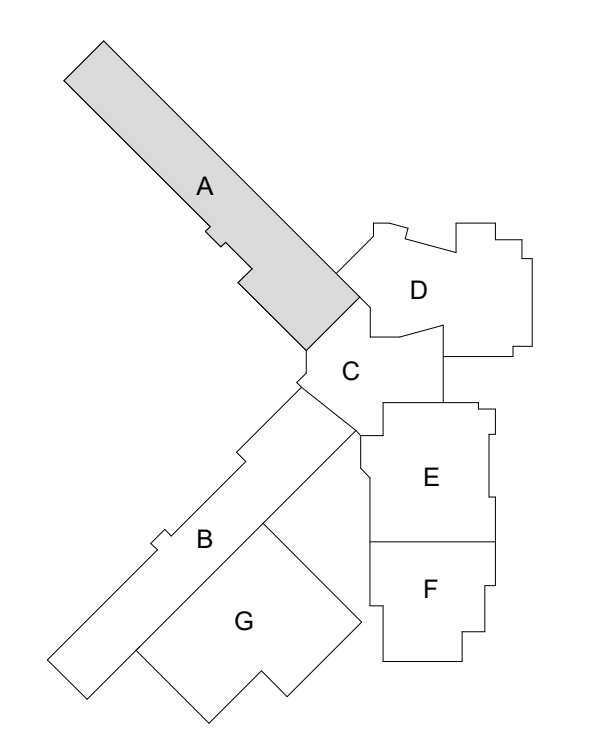
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Indianapolis, IN 46240



M.S.D. of
Washington
Township



SERVIC CENTER
RENOVATION -
PHASE 6B

SECOND FLOOR
DEMOLITION PLAN -
UNIT A2
TD002A2

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SHEET NOTES

- 1 SHADED AREA OUTSIDE OF CONSTRUCTION SCOPE. ALL DEVICES WITHIN REGION SHALL BE PROTECTED IN PLACE THROUGH CONSTRUCTION.
- 2 EXISTING IDF CABINET LOCATION TO REMAIN.

DEMOLITION LEGEND

| | |
|-----|--|
| DL | DATA LOCATION - SURFACE MOUNTED |
| DR | DATA RACEWAY - SURFACE MOUNTED |
| DC | DATA RECABLE - SURFACE MOUNTED |
| MC | MOBILE MONITOR CART LOCATION |
| PC | MOBILE PROJECTOR CART LOCATION |
| MON | MONITOR LOCATION - SURFACE MOUNTED |
| PP | POWER POLE LOCATION |
| P | PROJECTOR LOCATION |
| STP | SHORT THROW PROJECTOR LOCATION |
| SB | SMART BOARD LOCATION - SURFACE MOUNTED |
| TS | TEACHER STATION LOCATION - SURFACE MOUNTED |
| TR | TELECOM RACK LOCATION |
| VC | VOLUME CONTROL LOCATION - SURFACE MOUNTED |
| W | WALL PHONE LOCATION - SURFACE MOUNTED |
| WA | WIRELESS ACCESS POINT - CEILING MOUNTED |
| AI | AV INPUT LOCATION - SURFACE MOUNTED |
| AC | AV CONTROL LOCATION - SURFACE MOUNTED |
| AR | AV RACK LOCATION |
| CS | CALL SWITCH LOCATION - SURFACE MOUNTED |
| IR | IR MICROPHONE LOCATION |
| M | MICROPHONE LOCATION - CEILING MOUNTED |
| MP | MICROPHONE - SURFACE MOUNTED |
| S | PAGING SPEAKER - CEILING MOUNTED |
| SP | PROGRAM SPEAKER - CEILING MOUNTED |
| SPW | PROGRAM SPEAKER - WALL MOUNTED - SURFACE MOUNTED |
| CR | CARD READER LOCATION |
| CRM | CARD READER LOCATION - MULLION MOUNTED |
| DS | DOOR POSITION SWITCH LOCATION |
| AI | AUDIO INTERCOM LOCATION |
| VI | VIDEO INTERCOM LOCATION |
| MS | MOTION SENSOR - SURFACE MOUNTED |
| MS | MOTION SENSOR - CEILING MOUNTED |
| KP | KEYPAD LOCATION |
| DB | DRUESS BUTTON LOCATION - DESK MOUNTED |
| AS | VIDEO INTERCOM ANSWERING STATION - DESK MOUNTED |
| SC | SECURITY CAMERA - CEILING MOUNTED |
| SW | SECURITY CAMERA - WALL MOUNTED |

GENERAL DEMOLITION NOTES

A CONTRACTOR SHALL DEMOLISH ALL EXISTING CABLING OUTLETS WITHIN THE CONSTRUCTION AREA. OUTLETS WITHIN AREAS THAT ARE TO REMAIN OCCUPIED SHALL BE PROTECTED IN PLACE UNTIL SUCH OUTLETS ARE NO LONGER REQUIRED.

B DEMOLITION SHALL REQUIRE CABLING BE REMOVED IN ITS ENTIRETY FROM THE WORK AREA OUTLET BACK TO THE POINT OF TERMINATION IN THE ASSOCIATED TELECOM ROOM.

C ALL DEMOLITION SHALL BE COMPLETED ACCORDING TO THE DIVISION 27 SPECIFICATIONS.

D OUTSIDE DEMOLITION LIMITS OR WHERE SPECIFICALLY NOTED ON THE DRAWINGS, ALL EXISTING ALARM AND SECURITY SYSTEM COMPONENTS SERVING THE FACILITY SHALL REMAIN FULLY OPERATIONAL THROUGHOUT CONSTRUCTION. CONTRACTOR SHALL PROVIDE AT LEAST 48 HOUR NOTICE TO THE OWNER OF ANY DOWNTIME ASSOCIATED WITH DEMOLITION ACTIVITIES SO PROPER MEASURES MAY BE TAKEN.

E UNLESS SPECIFICALLY NOTED ON THE DRAWINGS ALL EXISTING SECURITY SYSTEM COMPONENTS WITHIN THE DEMOLITION AREA, WHETHER EXPLICITLY SHOWN ON THE DEMOLITION SHEETS OR AFFECTED BY CONSTRUCTION ACTIVITIES, SHALL BE REMOVED AND TURNED OVER TO THE OWNER.

F UNLESS SPECIFICALLY NOTED ON THE DRAWINGS ALL EXISTING AUDIO-VISUAL EQUIPMENT WITHIN THE DEMOLITION AREA, WHETHER EXPLICITLY SHOWN ON THE DEMOLITION SHEETS OR AFFECTED BY CONSTRUCTION ACTIVITIES, SHALL BE REMOVED AND TURNED OVER TO THE OWNER.


G UNLESS SPECIFICALLY NOTED ON THE DRAWINGS ALL EXISTING TELECOM EQUIPMENT WITHIN THE DEMOLITION AREA, WHETHER EXPLICITLY SHOWN ON THE DEMOLITION SHEETS OR AFFECTED BY CONSTRUCTION ACTIVITIES, SHALL BE REMOVED AND TURNED OVER TO THE OWNER.

H EXISTING IDF/IDF LOCATION TO REMAIN THROUGHOUT CONSTRUCTION. CONTRACTOR TO PROTECT ROOM EQUIPMENT, AND CABLING DURING CONSTRUCTION.



SCHMIDT ASSOCIATES
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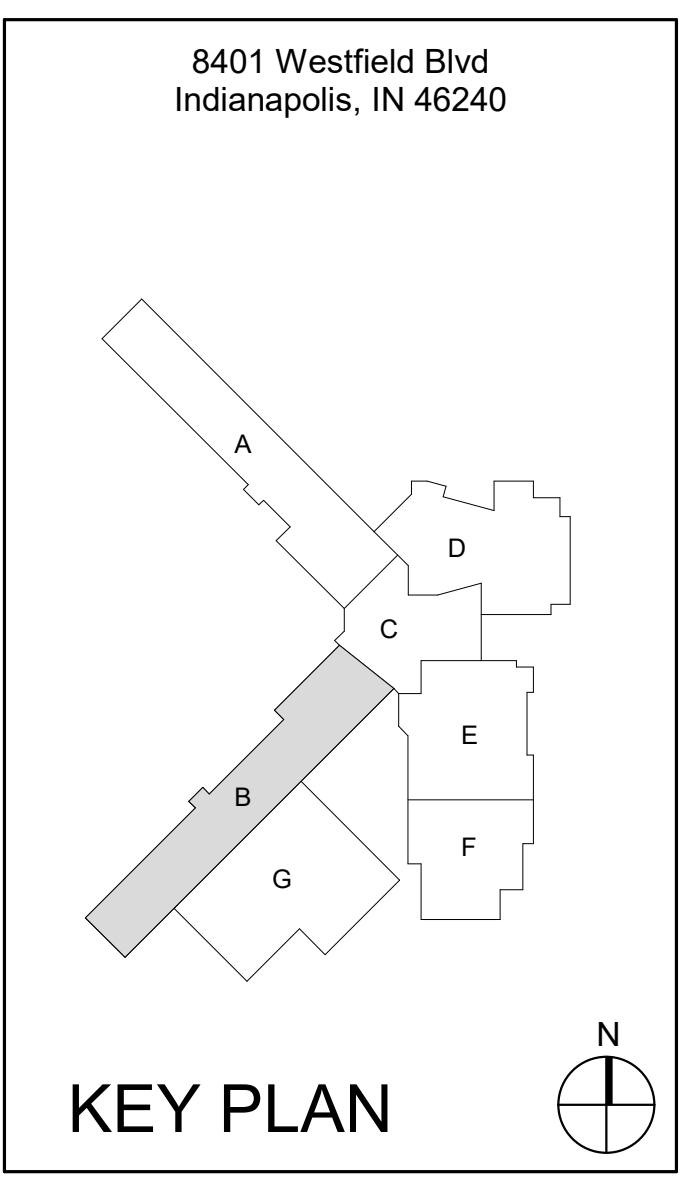
Project No. 2019-067.OSC
Project Date 07.31.2024
Produced MJC MKD



REGISTERED COMMUNICATIONS DISTRIBUTION DESIGNER
Bicsi
Matthew Connolly
BICSI ID # 212593
EXPIRES 12-31-24
RCDD

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| 1 | Addendum #01 | 08/22/2024 |



M.S.D. of Washington Township

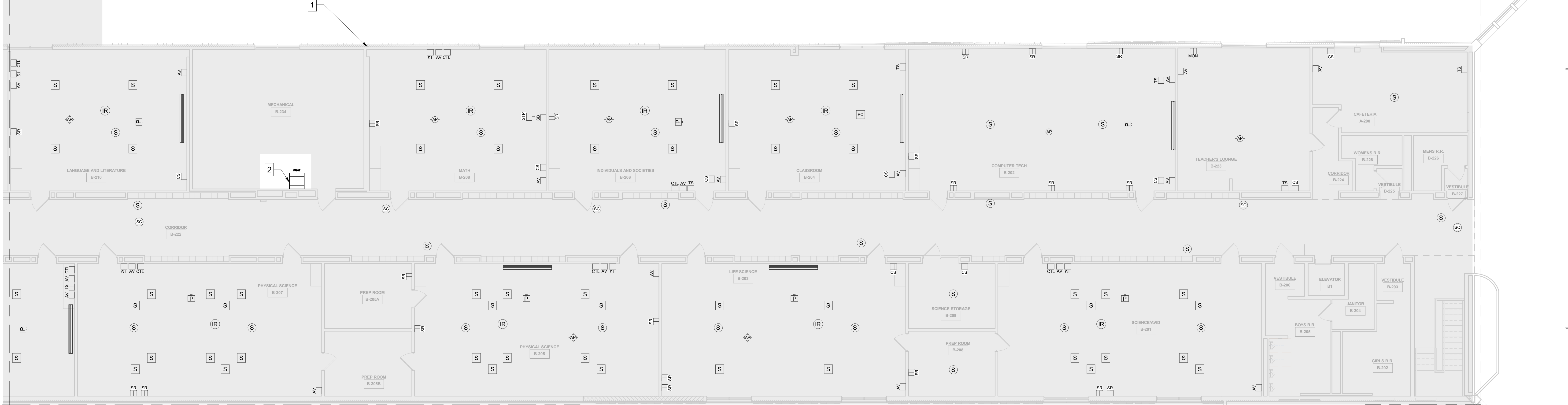


WASHINGTON TOWNSHIP SCHOOLS

SERVICE CENTER RENOVATION - PHASE 6B

SECOND FLOOR DEMOLITION PLAN - UNIT B1
TD002B1

UNIT B.1
IDF 06



UNIT B.1
IDF 06

UNIT E

UNIT B.1

UNIT G

1 SECOND FLOOR DEMOLITION PLAN - UNIT B1
1/8" = 1'-0"

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DATE: 08/22/2024 10:00 AM
 PROJECT: M.S.D. of Washington Township, SERVICE CENTER RENOVATION - PHASE 6B, Construction Documents
 DRAWING: SECOND FLOOR DEMOLITION PLAN - UNIT B1, TD002B1
 DESIGNED: MJC
 CHECKED: MKD
 PLOTTED: 08/22/2024 10:00 AM

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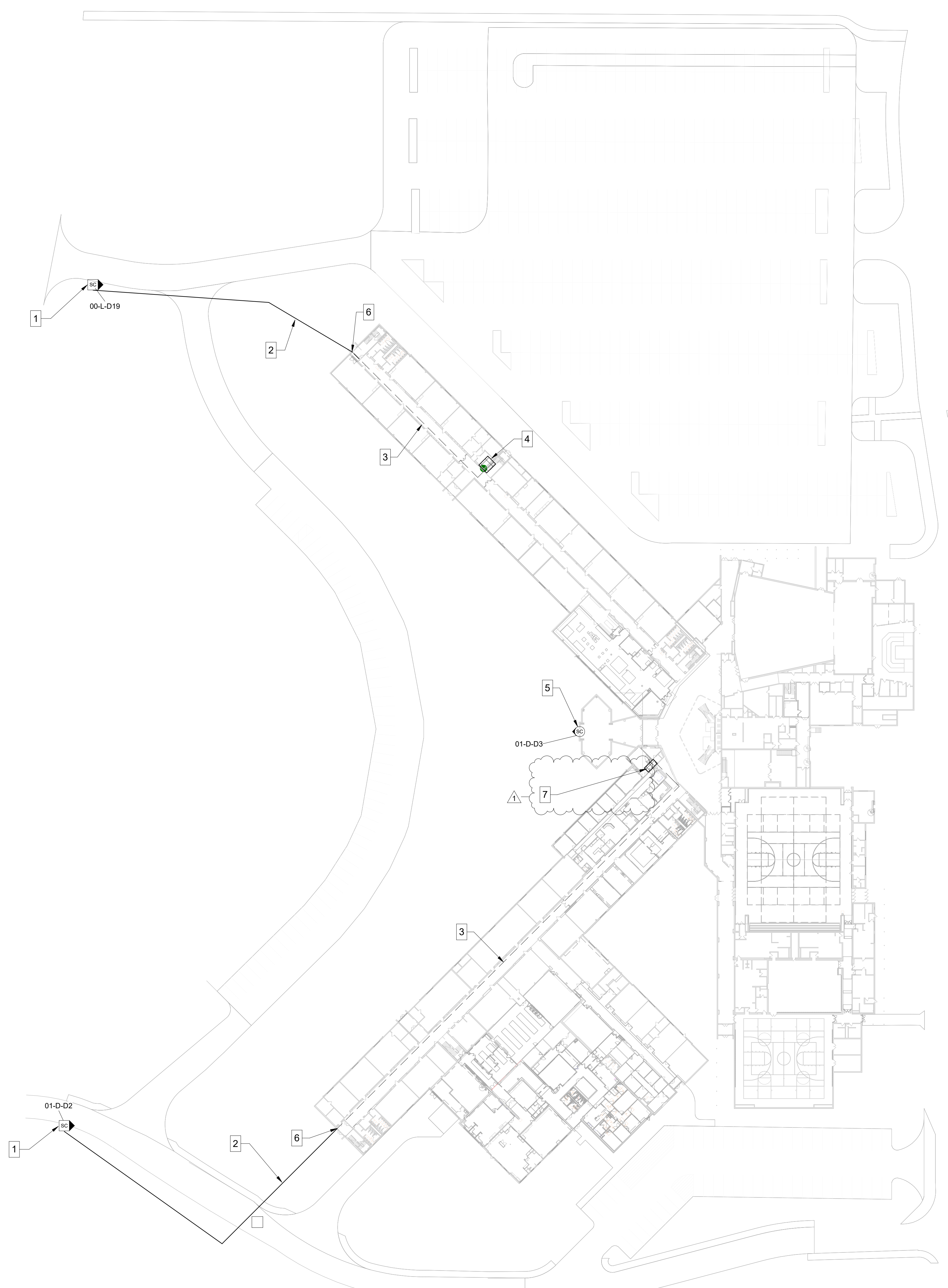
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D

C

B

A



- GENERAL SITE PLAN NOTES**
- A CONTRACTOR SHALL FURNISH AND INSTALL ALL CABLING AND PATHWAYS TO ENSURE A COMPLETE AND FUNCTIONAL SYSTEM FOR EACH DEVICE LOCATION.
 - B ALL OSP FIBER OPTIC AND COPPER CABLING SHALL BE FURNISHED AND INSTALLED ACCORDING TO THE DIVISION 27 SPECIFICATIONS.
 - C ALL OSP CONDUIT AND PATHWAYS SHALL BE PROVIDED AND INSTALLED ACCORDING TO THE DIVISION 27 SPECIFICATIONS.
 - D ALL EXISTING OSP CONDUITS AND CABLING SHALL REMAIN UNLESS OTHERWISE NOTED.
 - E NEW CONDUIT, DUCTBANKS AND PENETRATIONS SHALL BE SEALED AND WATER TIGHT AS TO PREVENT WATER ENTERING BACK INTO THE BUILDING.
 - F CONTRACTOR SHALL MAINTAIN A MINIMUM 24" SEPARATION FROM THE TELECOM DUCTBANK AND PATHWAYS FROM EMI SOURCES. CONTRACTOR SHALL MAINTAIN A MINIMUM OF 36" SEPARATION FROM ALL OTHER UTILITIES.
 - G REFER TO CIVIL DRAWINGS FOR ALL NEW AND EXISTING UTILITY FINAL ROUTES AND REQUIREMENTS.
 - H REFER TO THE RISER CABLING DIAGRAM FOR FURTHER FIBER OPTIC AND COPPER CABLING REQUIREMENTS.

- SHEET NOTES**
- 1 NEW SECURITY CAMERA LOCATION MOUNTED AT 15' TO EXISTING LIGHT POLE. PROVIDE CABLE AND CONDUIT FROM LIGHT POLE TO DESIGNATED TELECOM ROOM. PROVIDE 4 STRANDZ CONDUCTOR POWERED FIBER OPTIC CABLING FROM DEVICE TO POINT OF TERMINATION WITHIN TELECOM ROOM.
 - 2 APPROXIMATE ROUTING OF MINIMUM 2" UNDERGROUND CONDUIT FROM LIGHT POLE BASE TO EXISTING BASEMENT LEVEL TUNNEL.
 - 3 APPROXIMATE LOCATION OF CABLING ROUTED THROUGH EXISTING BASEMENT LEVEL TUNNEL TO DESIGNATED TELECOM ROOM. PROVIDE NEW CONDUIT SLEEVE FROM THE TUNNEL TO THE TELECOM ROOM AS REQUIRED TO ROUTE CABLING INTO THE ROOM.
 - 4 EXISTING MDF LOCATION.
 - 5 MOUNT NEW SECURITY CAMERA TO UNDERSIDE OF AWNING AT MIDPOINT BETWEEN COLUMNS. ROUTE CONDUIT TO ACCESSIBLE CEILING WITHIN UNIT C AND CABLE CAMERA TO IDF B105B.
 - 6 CORE AND SEAL THE EXISTING EXTERIOR WALL WITHIN THE EXISTING TUNNEL SYSTEM TO ALLOW NEW CONDUIT TO ENTER.
 - 7 EXISTING IDF LOCATION.

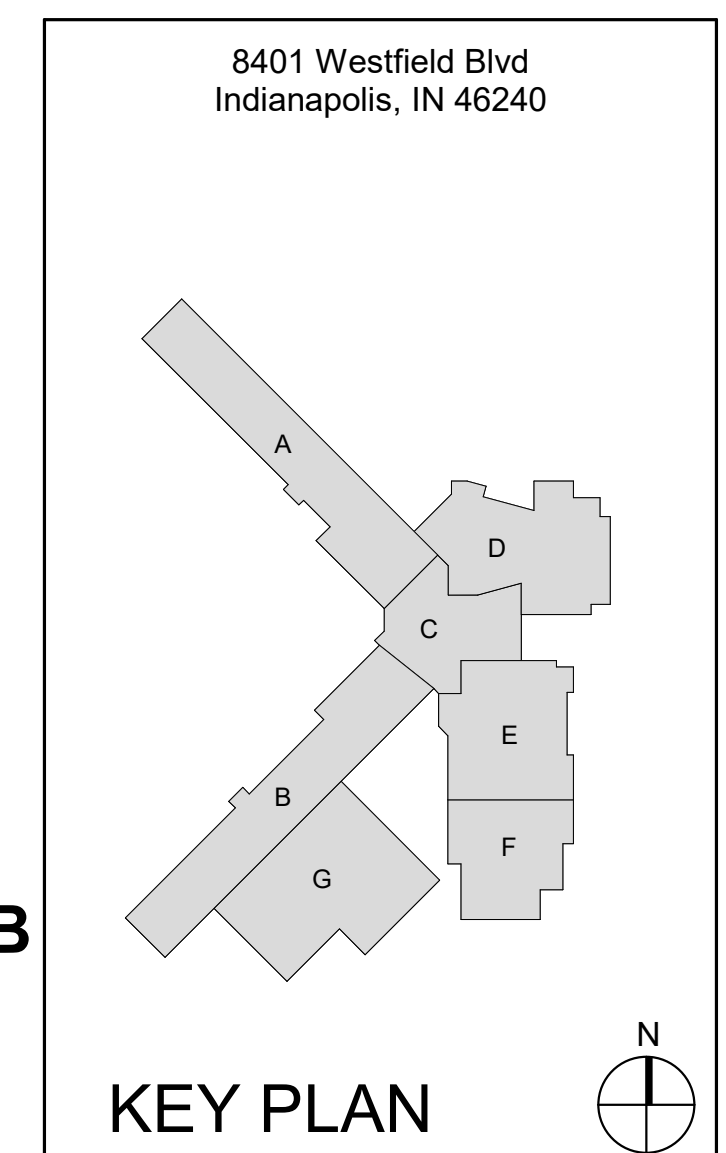
SCHMIDT ASSOCIATES
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BICSI
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M.S.D. of Washington Township

WASHINGTON TOWNSHIP SCHOOLS

SERVIC CENTER RENOVATION - PHASE 6B

SECURITY SITE PLAN
T001

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1 SECURITY SITE PLAN
1" = 50'-0"

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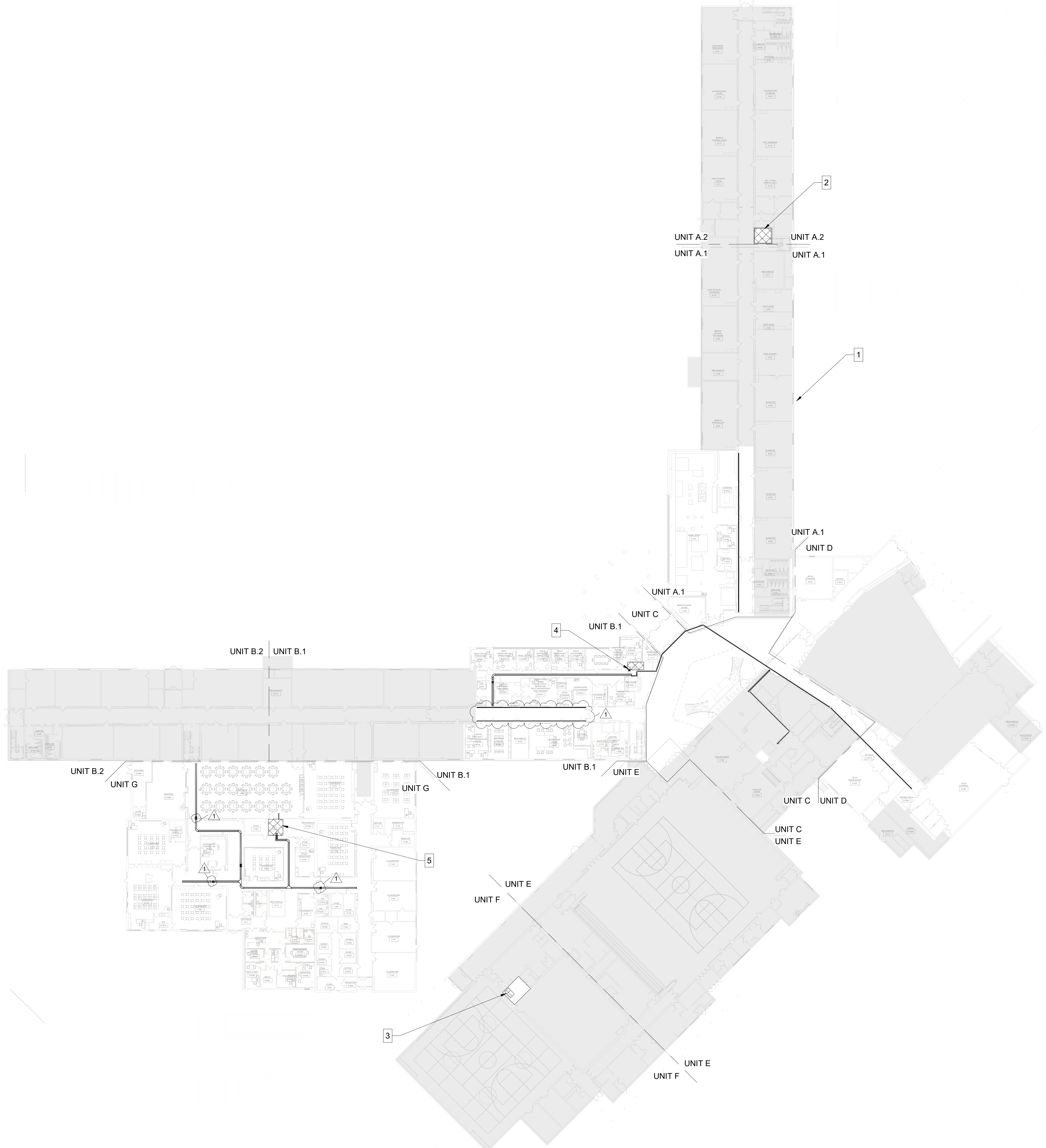
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FIRST FLOOR OVERALL DISTRIBUTION
 PLAN
 1/32" = 1'-0"

GENERAL PATHWAYS NOTES

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SHEET NOTES

- 1 SHADED AREA OUTSIDE OF CONSTRUCTION SCOPE. ALL PATHWAYS WITHIN REGION SHALL BE PROTECTED IN PLACE THROUGH CONSTRUCTION.
- 2 EXISTING MDF 00 LOCATION.
- 3 EXISTING IDF 04 LOCATION.
- 4 NEW IDF 01 LOCATION.
- 5 NEW IDF 02/03 LOCATION.



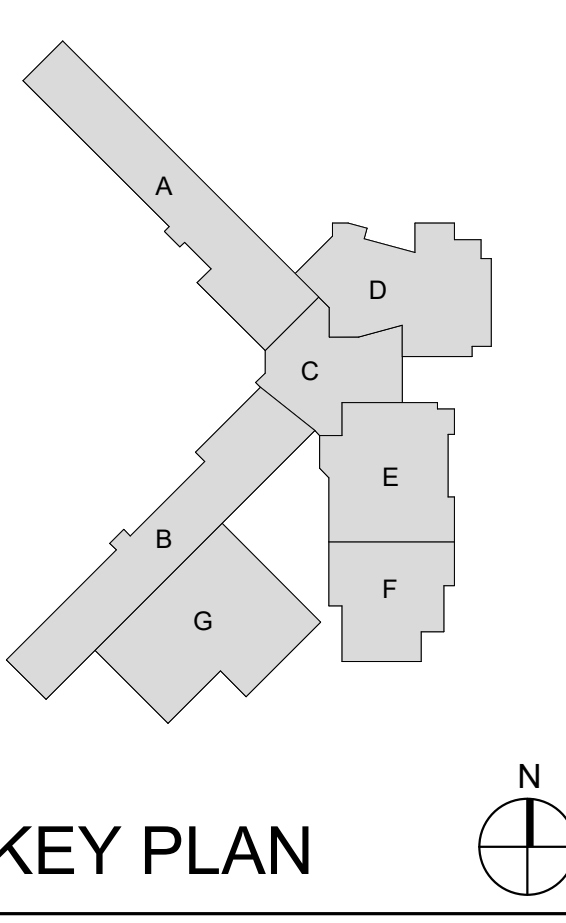
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SERVIC CENTER RENOVATION - PHASE 6B

FIRST FLOOR OVERALL DISTRIBUTION
 T101

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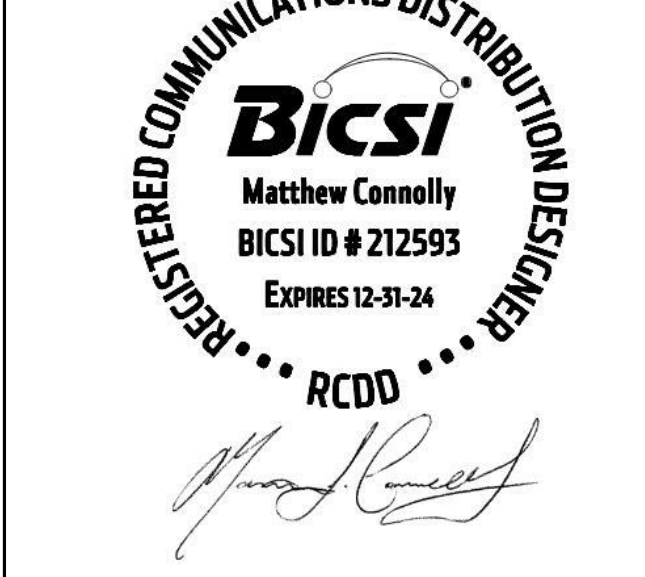
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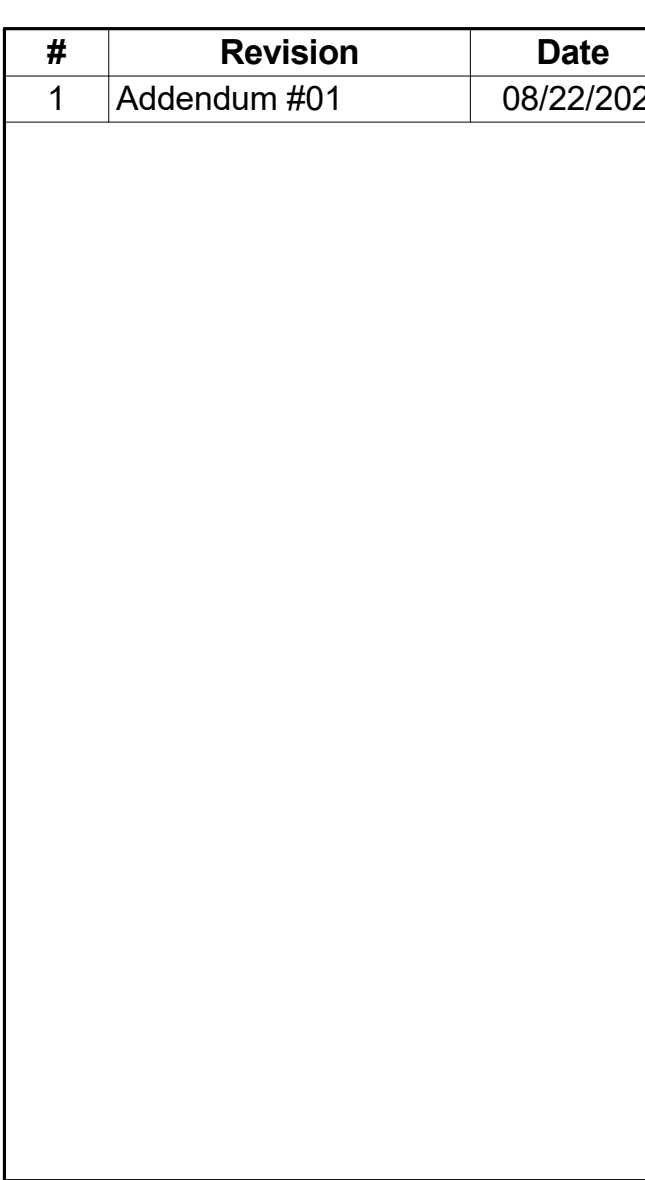
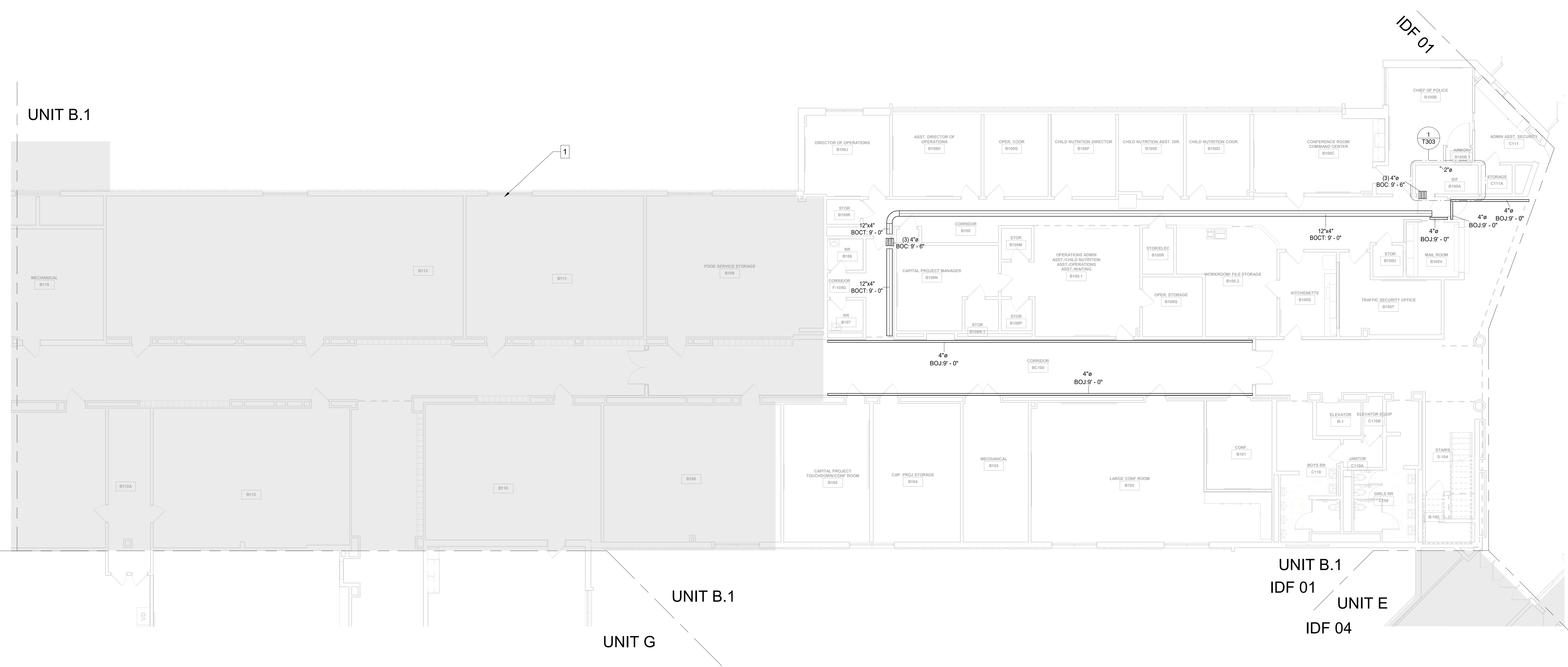


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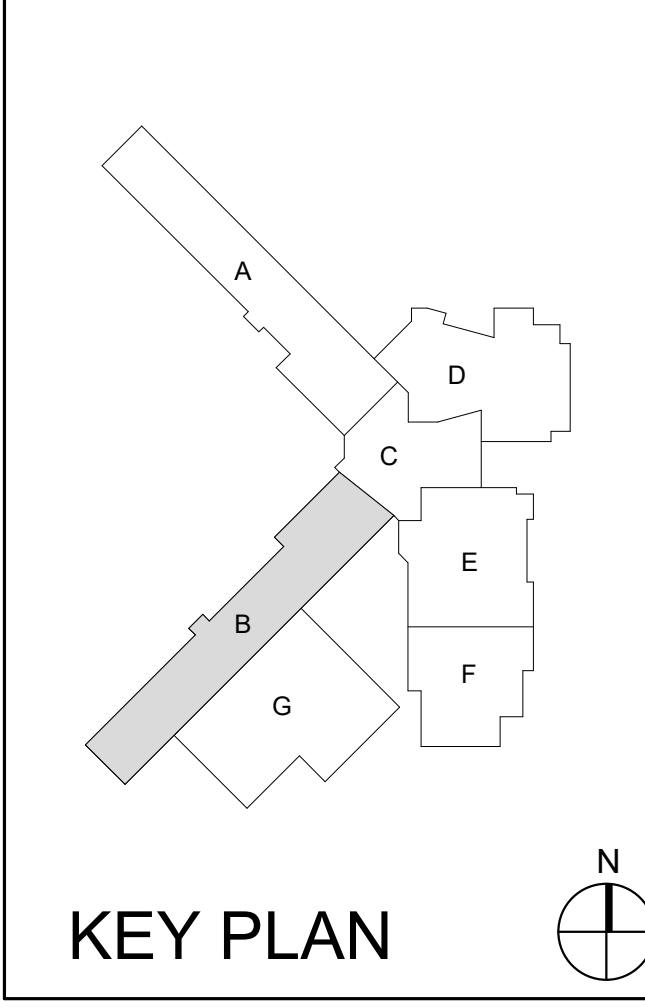


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M.S.D. of Washington Township
 WASHINGTON TOWNSHIP SCHOOLS
 SERVICE CENTER RENOVATION - PHASE 6B

FIRST FLOOR DISTRIBUTION PLAN - UNIT B1
 T101B1

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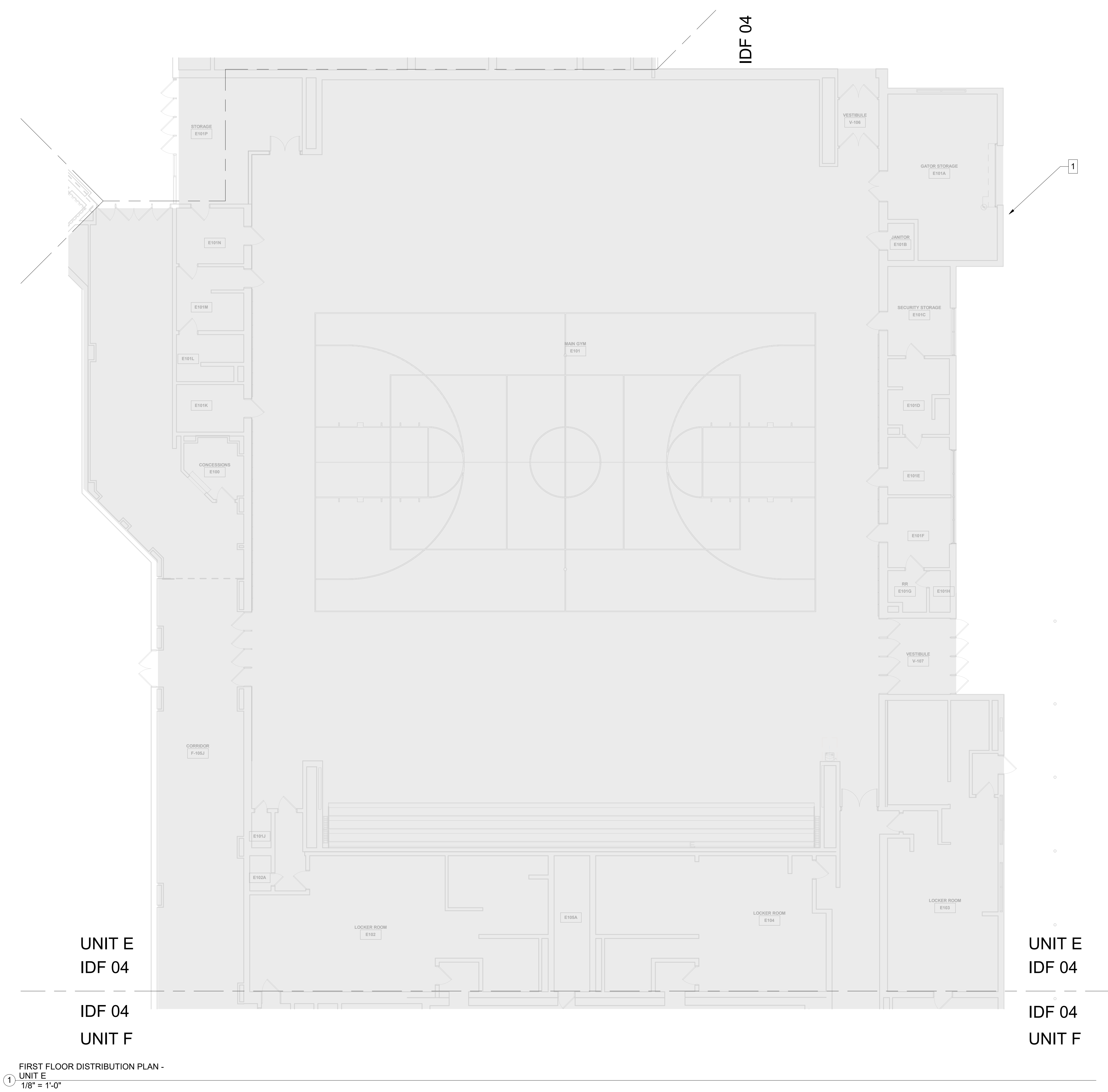
FIRST FLOOR DISTRIBUTION PLAN - UNIT B1
 1/8" = 1'-0"

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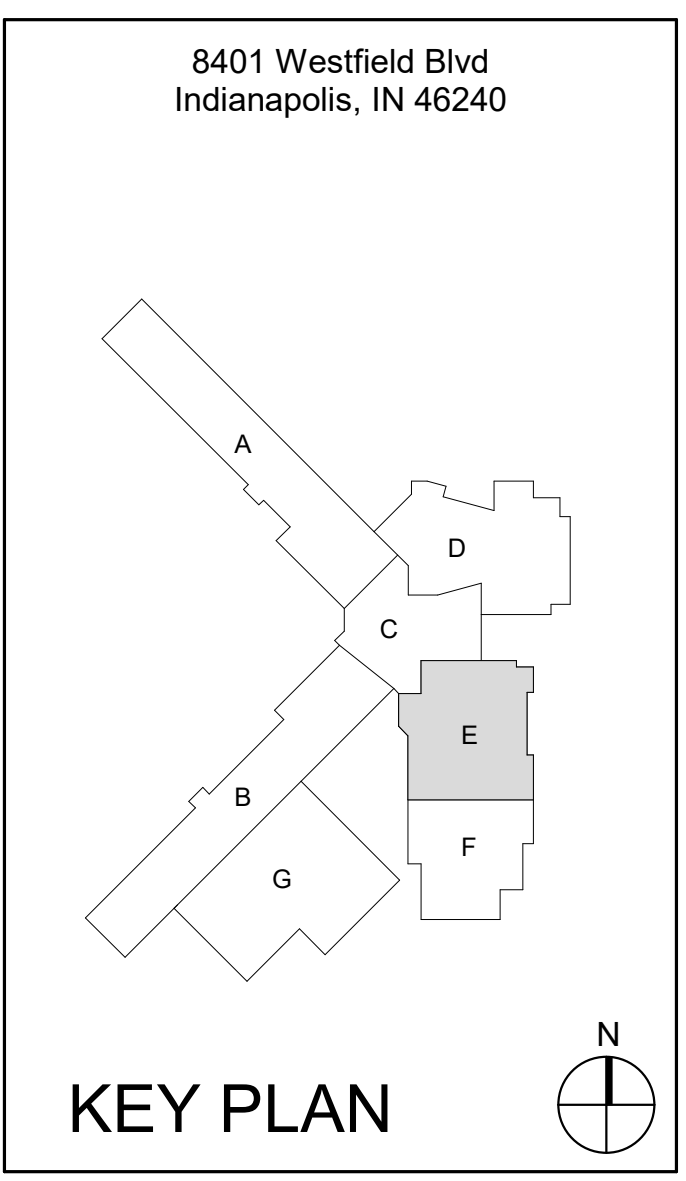
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REGISTERED COMMUNICATIONS DISTRIBUTION DESIGNER
BICSI
Matthew Connolly
BICSI ID # 212593
EXPIRES 12-31-24

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M.S.D. of Washington Township

WASHINGTON TOWNSHIP SCHOOLS

SERVIC CENTER RENOVATION - PHASE 6B

FIRST FLOOR DISTRIBUTION PLAN - UNIT E
T101E

THIS SHEET IS A PART OF THE ARCHITECTURAL DRAWINGS FOR THE SERVIC CENTER RENOVATION - PHASE 6B, WASHINGTON TOWNSHIP SCHOOLS DISTRICT. THE ARCHITECT IS SCHMIDT ASSOCIATES, INC. THE DATE OF THIS SHEET IS 08/22/2024.

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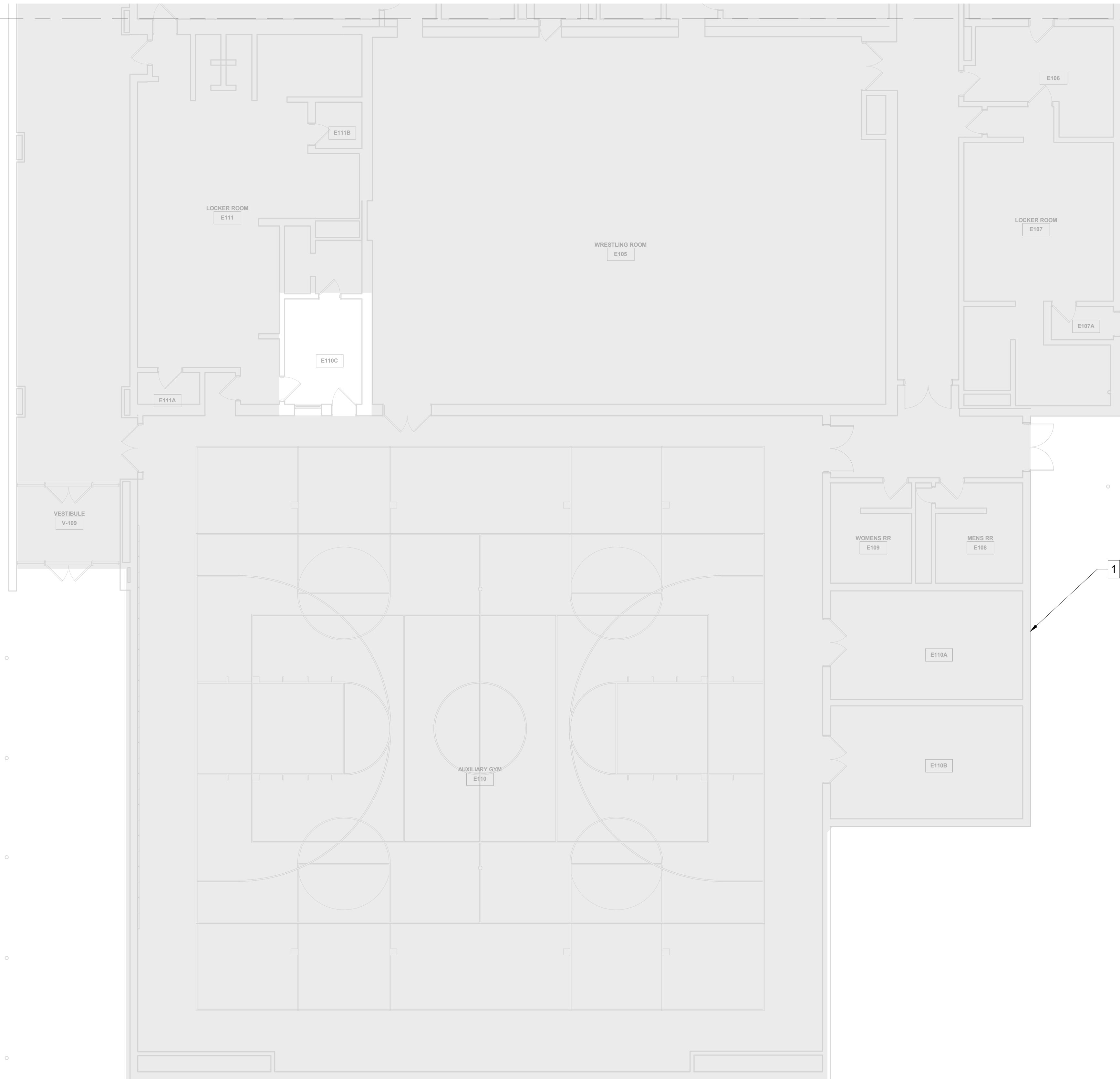
C

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UNIT E
IDF 04
IDF 04
UNIT F

UNIT E
IDF 04
IDF 04
UNIT F



① FIRST FLOOR DISTRIBUTION PLAN -
UNIT F
1/8" = 1'-0"

- GENERAL PATHWAYS NOTES**
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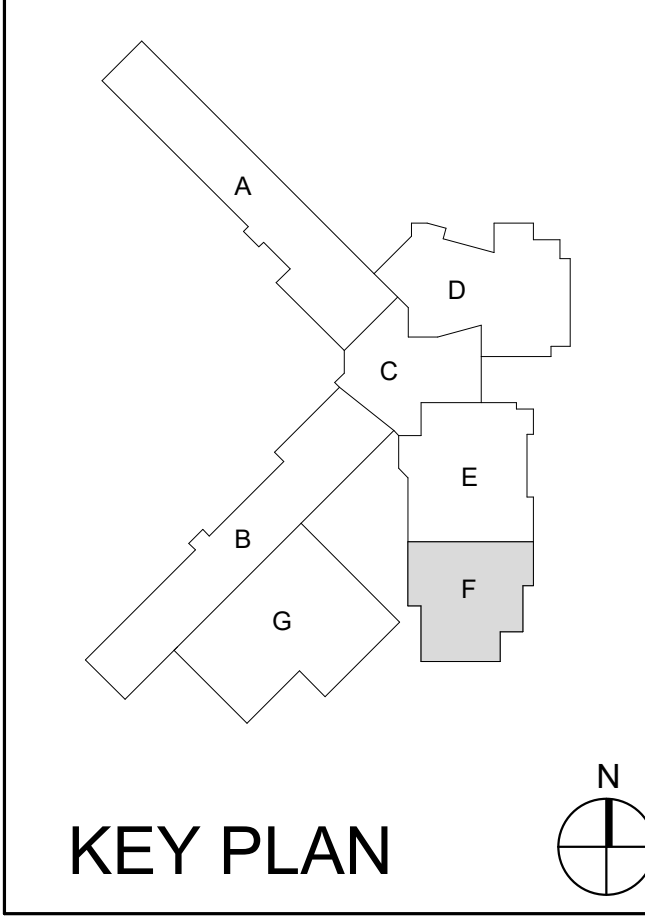
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M.S.D. of
Washington
Township

WASHINGTON
TOWNSHIP SCHOOLS

A SERVICER CENTER
RENOVATION -
PHASE 6B

FIRST FLOOR
DISTRIBUTION PLAN
- UNIT F
T101F

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TITLE: FIRST FLOOR DISTRIBUTION PLAN - UNIT F
 PROJECT: SERVICER CENTER RENOVATION - PHASE 6B, Columbus, Indiana
 DRAWING NO: T101F
 DATE: 08/22/2024
 DESIGNED BY: MJC
 CHECKED BY: MKD
 PROJECT MANAGER: MJC

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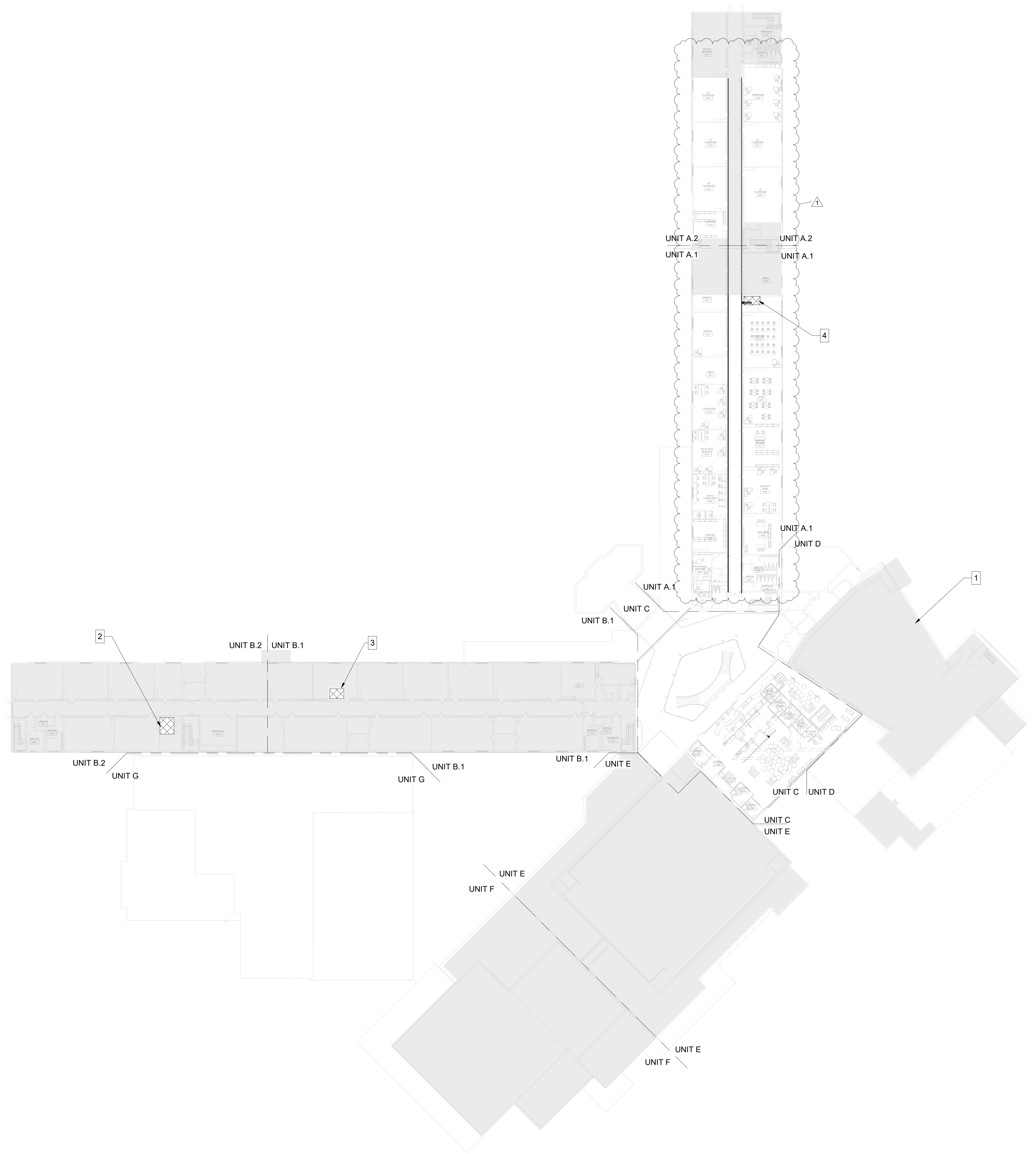
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SECOND FLOOR OVERALL
DISTRIBUTION PLAN
1/32" = 1'-0"

GENERAL PATHWAYS NOTES

- A ALL CABLING SHALL BE TERMINATED IN THE ER/TR NOTED IN THE TELECOM SCHEDULES.
- B CONTRACTOR SHALL SUPPLY ALL CONDUIT, BOXES, AND CABLE TRAY AS REQUIRED TO ENSURE ALL TRANSMISSION MEDIA IS FULLY SUPPORTED FROM ALL DEVICE LOCATIONS TO THE POINT OF TERMINATION.
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- F ALL TELECOM OUTLET BOXES SHALL BE A MINIMUM DOUBLE GANG BOX NO LESS THAN 2 1/2" DEEP.
- G CORRIDOR CABLE TRAY SHALL BE PROVIDED AS REQUIRED BY THE CONTRACT DRAWINGS. REFER TO DIVISION 27 SPECIFICATIONS FOR ADDITIONAL PRODUCT DETAILS AND REQUIREMENTS.
- H CONTRACTOR SHALL NOT EXCEED 40% FILL RATIO WITHIN ANY CONDUIT MEANT FOR TELECOMMUNICATIONS CABLING.
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SHEET NOTES

- 1 SHADED AREA OUTSIDE OF CONSTRUCTION SCOPE. ALL PATHWAYS WITHIN REGION SHALL BE PROTECTED IN PLACE THROUGH CONSTRUCTION.
- 2 EXISTING IDF 05 LOCATION TO REMAIN.
- 3 EXISTING IDF 06 LOCATION TO REMAIN.
- 4 EXISTING IDF 07 LOCATION TO REMAIN.



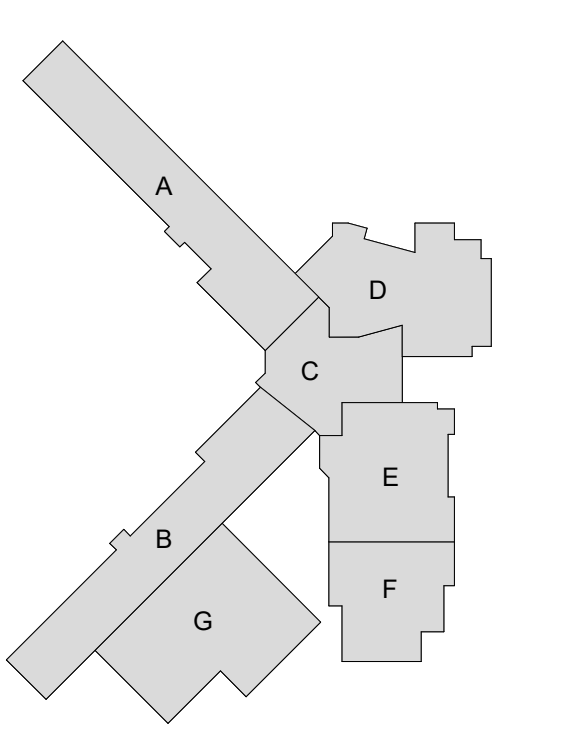
Project No. 2019-067.OSC
Project Date 07.31.2024
Produced MJC MKD



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| 1 | Addendum #01 | 08/22/2024 |

8401 Westfield Blvd
Indianapolis, IN 46240



KEY PLAN

M.S.D. of
Washington
Township



WASHINGTON
TOWNSHIP SCHOOLS
SERVICE CENTER
RENOVATION -
PHASE 6B

SECOND FLOOR
OVERALL
DISTRIBUTION PLAN

T102

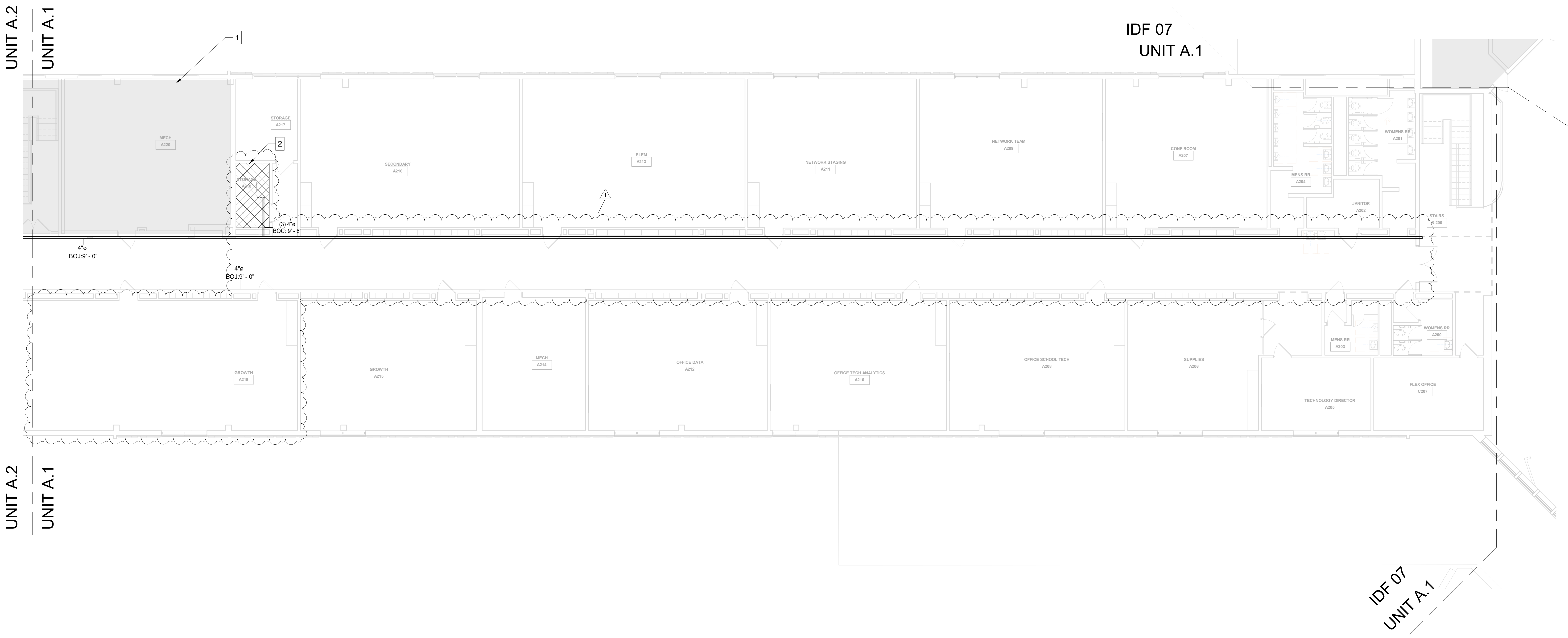
THE SECOND FLOOR OVERALL DISTRIBUTION PLAN...
 PROJECT NO. 2019-067.OSC...
 DATE 07.31.2024...
 DRAWN BY MJC...
 CHECKED BY MKD...

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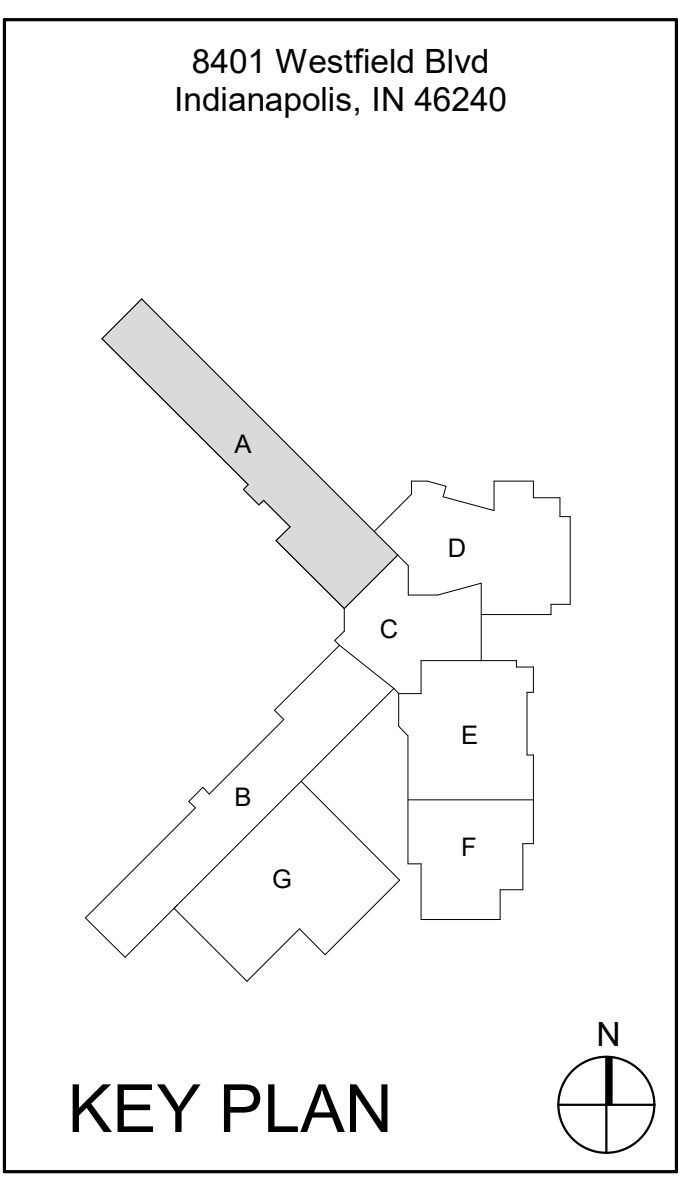
SCHMIDT ASSOCIATES
415 Massachusetts Avenue
Indianapolis, IN 46204
www.schmidt-arch.com

Project No. 2019-067.OSC
Project Date 07.31.2024
Produced MJC MKD

Matthew Connolly
BICSI ID # 212593
EXPIRES 12-31-24

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M.S.D. of Washington Township

WASHINGTON TOWNSHIP SCHOOLS

SERVICE CENTER RENOVATION - PHASE 6B

SECOND FLOOR DISTRIBUTION PLAN - UNIT A1
T102A1

6 5 4 3 2 1

SECOND FLOOR DISTRIBUTION PLAN - UNIT A1
1/8" = 1'-0"

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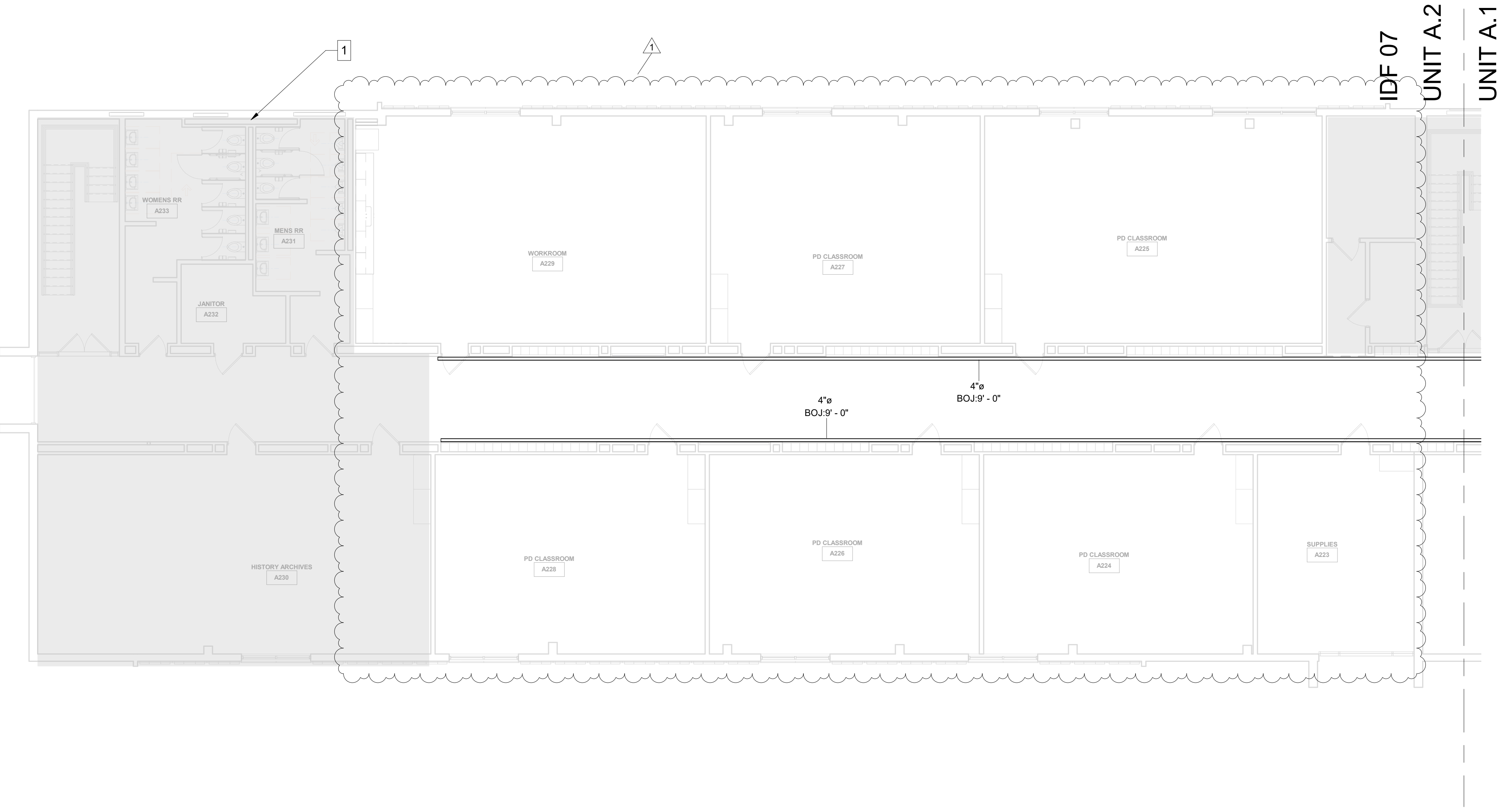
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 Project Date 07.31.2024
 Produced MJC MKD



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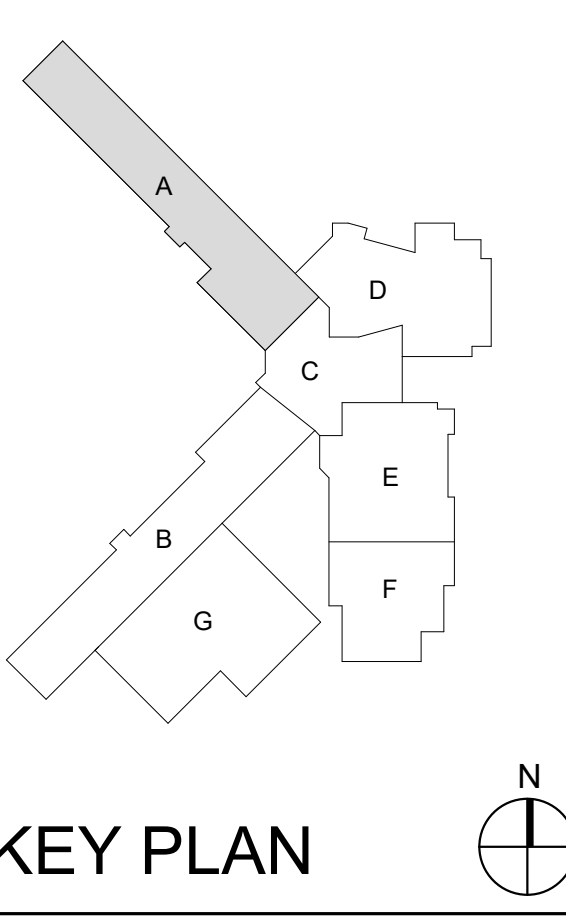
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SECOND FLOOR DISTRIBUTION PLAN - UNIT A2
 1/8" = 1'-0"

| # | Revision | Date |
|---|--------------|------------|
| 1 | Addendum #01 | 08/22/2024 |

8401 Westfield Blvd
 Indianapolis, IN 46240



SECOND FLOOR DISTRIBUTION PLAN - UNIT A2
 T102A2

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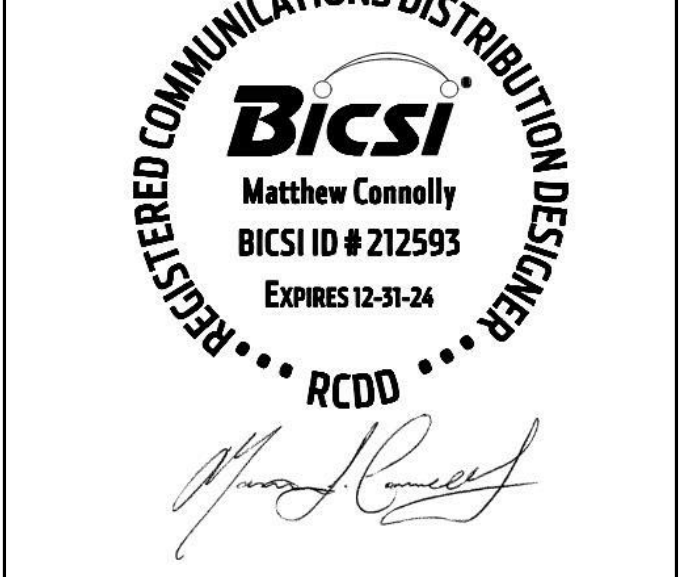
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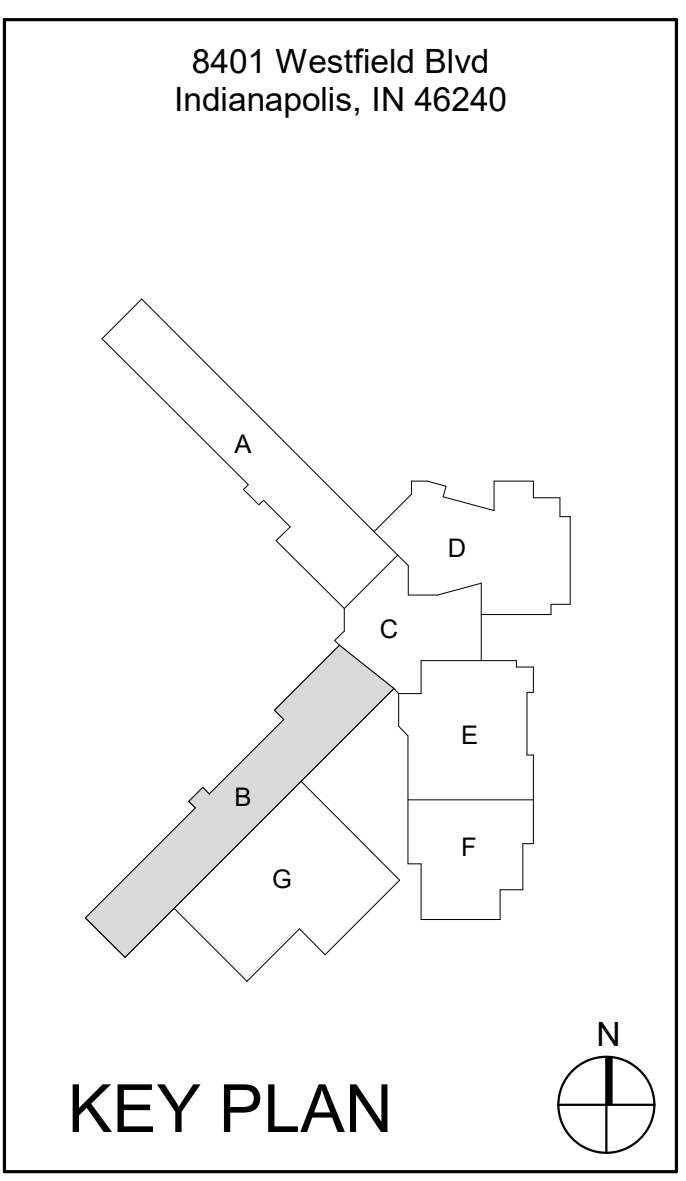
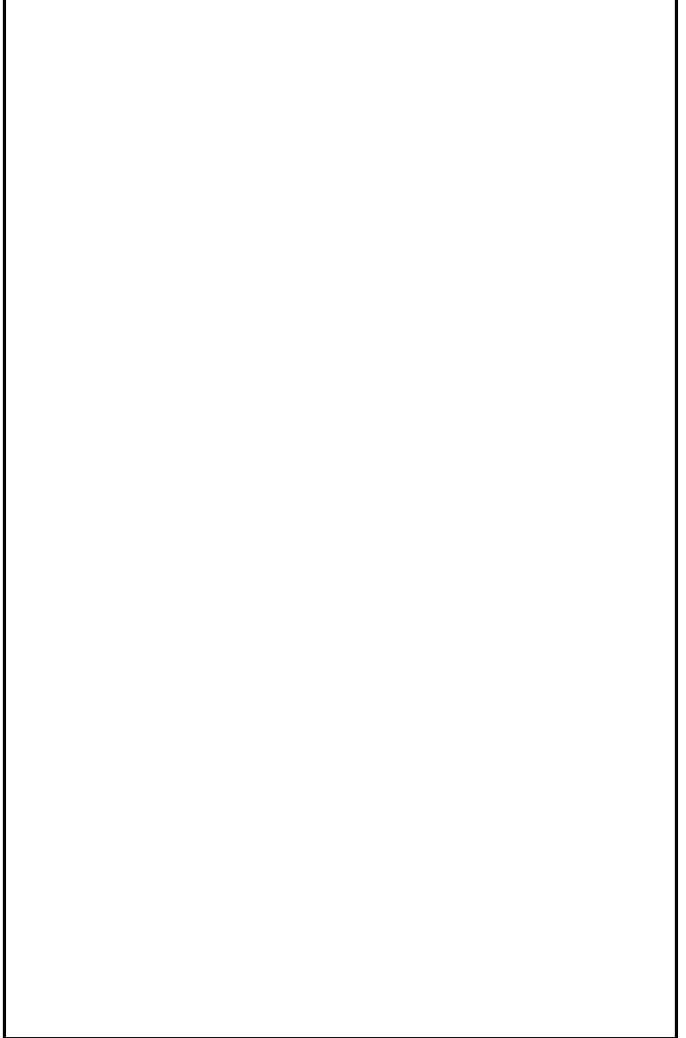
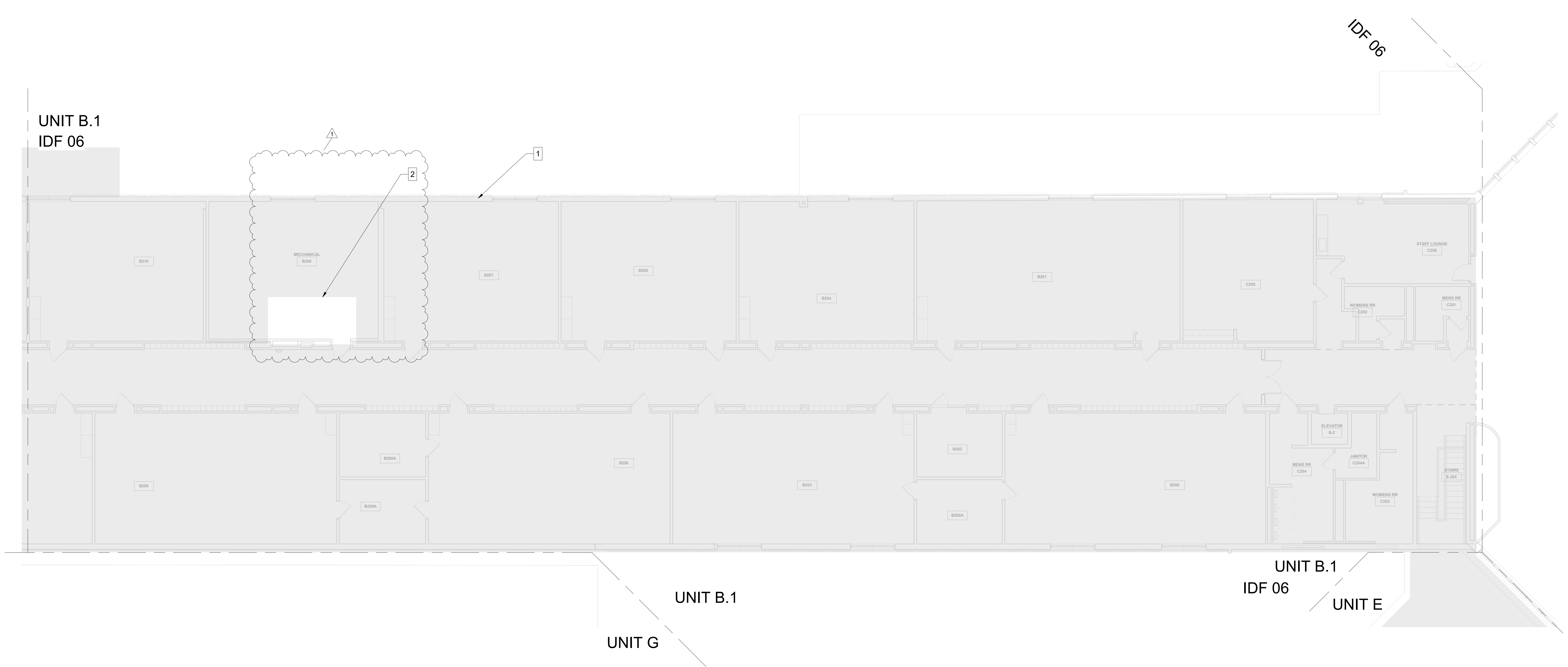


Project No. 2019-067.OSC
Project Date 07.31.2024
Produced MJC MKD



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| 1 | Addendum #01 | 08/22/2024 |



SERVIC CENTER RENOVATION - PHASE 6B
SECOND FLOOR DISTRIBUTION PLAN - UNIT B1
T102B1

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SECOND FLOOR DISTRIBUTION PLAN - UNIT B1
1/8" = 1'-0"

10/26/2024 10:42:00 AM
 PROJECT: 2019-067.OSC - SERVIC CENTER RENOVATION - PHASE 6B
 DRAWING: T102B1 - SECOND FLOOR DISTRIBUTION PLAN - UNIT B1
 SHEET: T102B1

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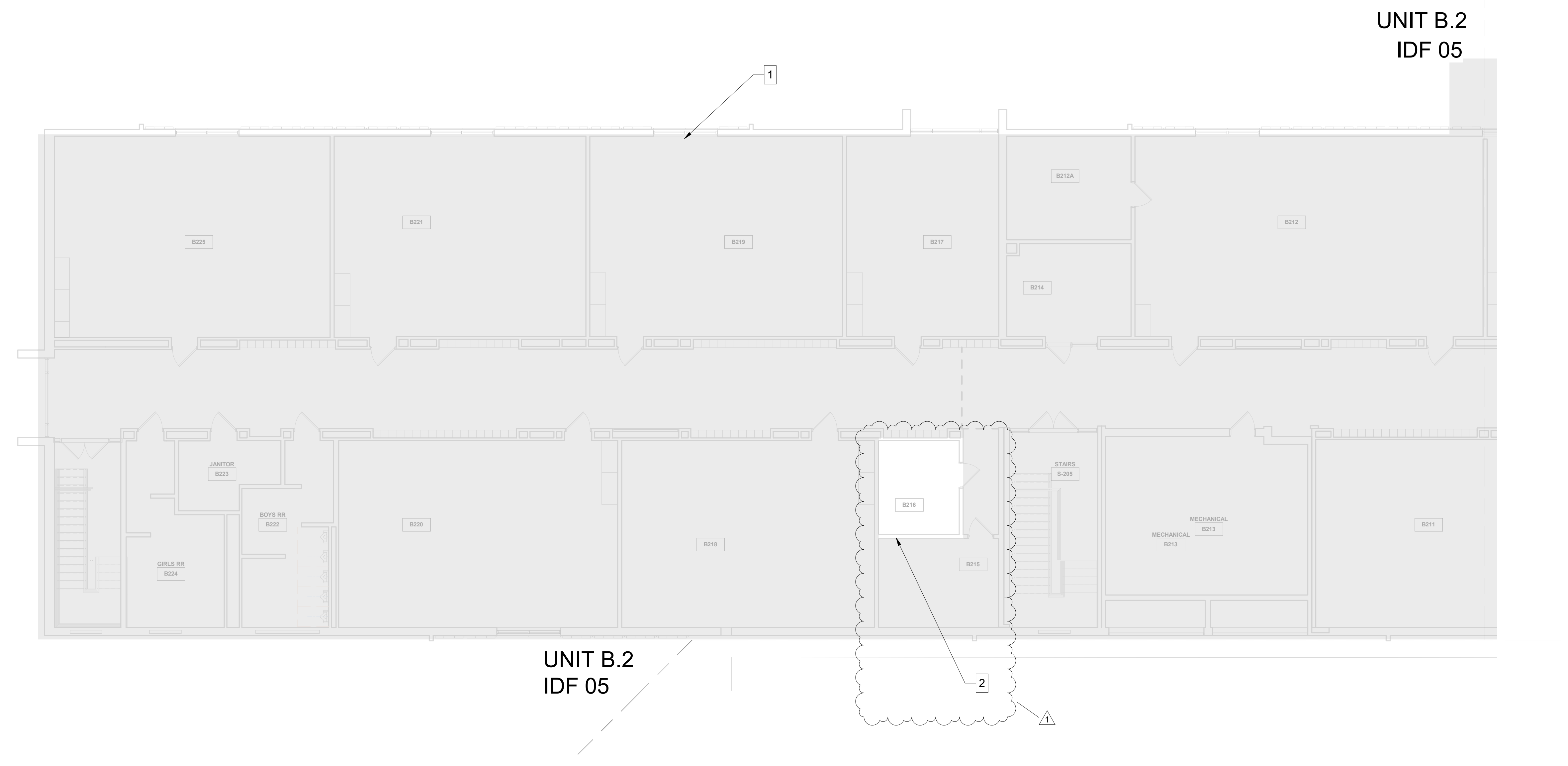
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SECOND FLOOR DISTRIBUTION PLAN - UNIT B.2
 1/8" = 1'-0"

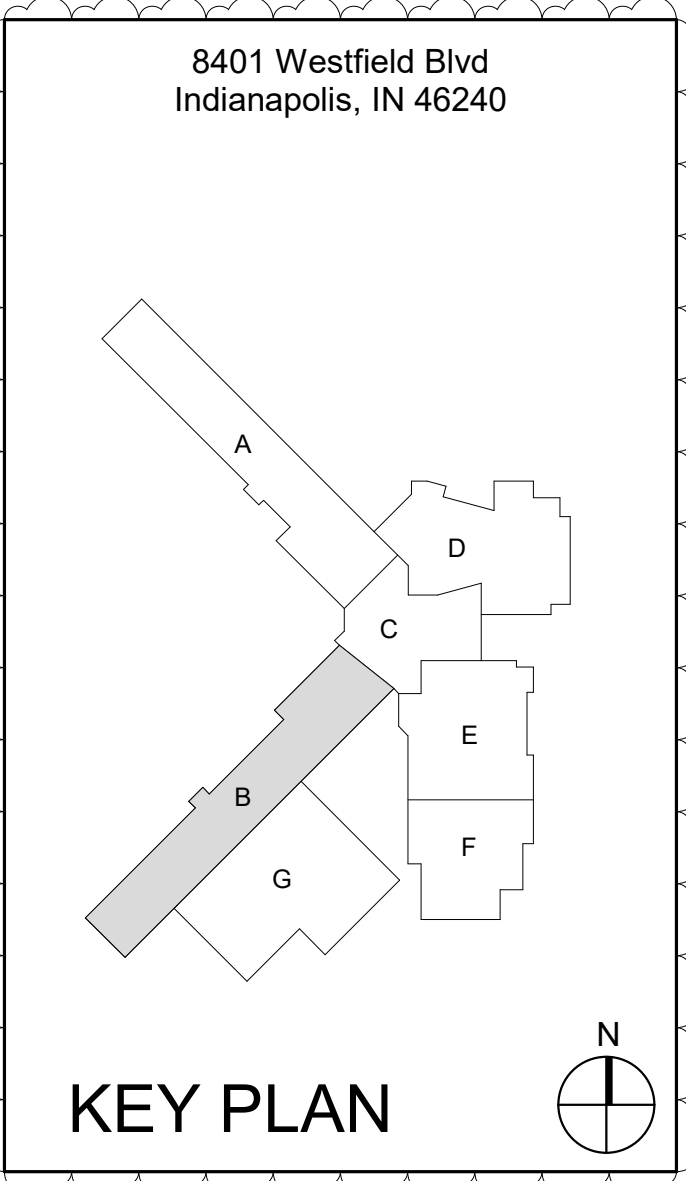
SCHMIDT ASSOCIATES
 415 Massachusetts Avenue
 Indianapolis, IN 46204
 www.schmidt-arch.com

Project No. 2019-067.OSC
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BICSI
 Matthew Connolly
 BICSI ID # 212593
 EXPIRES 12-31-24
 RCDD

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| 1 | Addendum #01 | 08/22/2024 |



M.S.D. of Washington Township

WASHINGTON TOWNSHIP SCHOOLS

SERVICE CENTER RENOVATION - PHASE 6B

SECOND FLOOR DISTRIBUTION PLAN - UNIT B.2
T102B2

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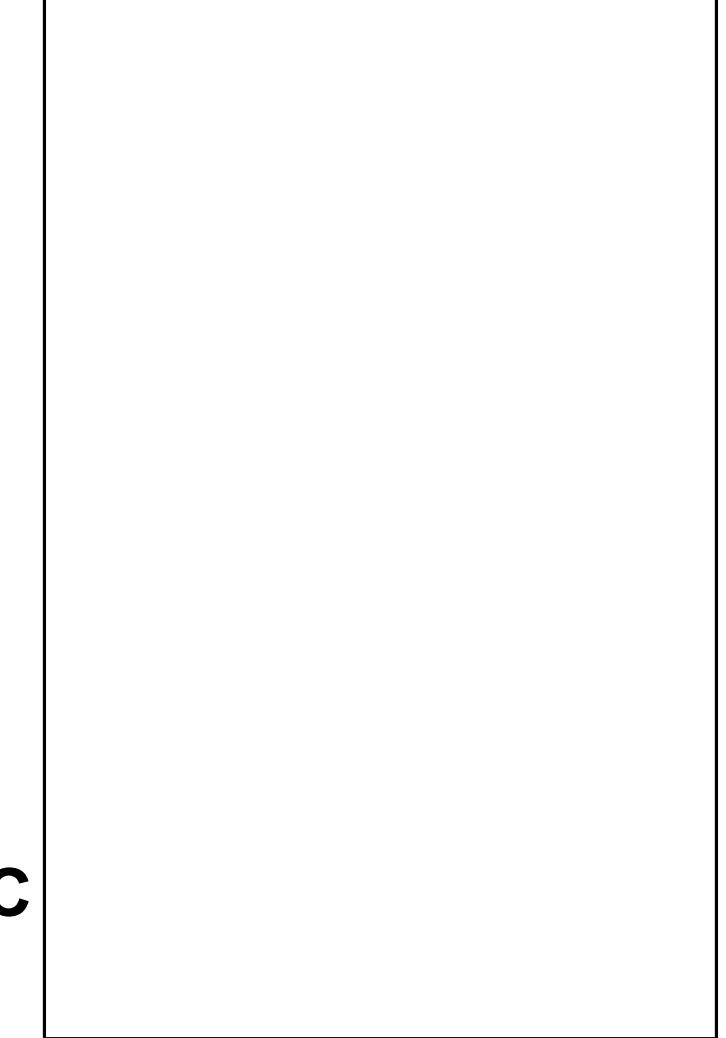


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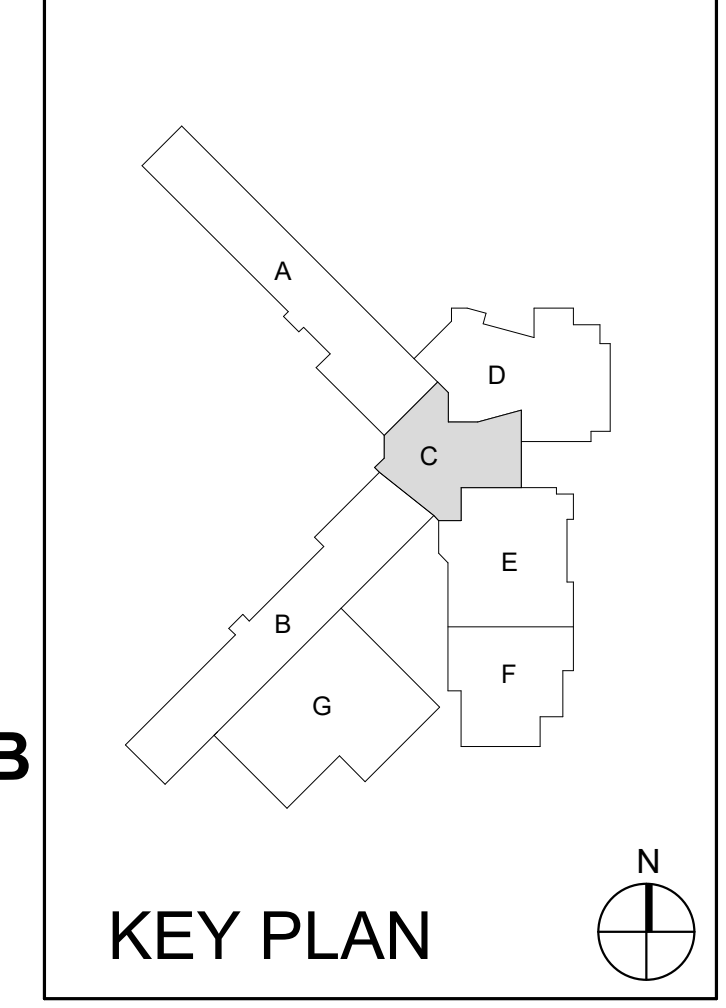


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8401 Westfield Blvd
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SECOND FLOOR DISTRIBUTION PLAN - UNIT C
T102C

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SECOND FLOOR DISTRIBUTION PLAN - UNIT C
 1/8" = 1'-0"

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SECOND FLOOR DISTRIBUTION PLAN -
 UNIT D
 1/8" = 1'-0"

IDF 01
 UNIT D

STAIRS
 S-200

CORRIDOR
 C-201

TECHNOLOGY HUB
 C-200

STAIRS
 S-200

UNIT D

1

GENERAL PATHWAYS NOTES

- A ALL CABLING SHALL BE TERMINATED IN THE ER/TR NOTED IN THE TELECOM SCHEDULES.
- B CONTRACTOR SHALL SUPPLY ALL CONDUIT, BOXES, AND CABLE TRAY AS REQUIRED TO ENSURE ALL TRANSMISSION MEDIA IS FULLY SUPPORTED FROM ALL DEVICE LOCATIONS TO THE POINT OF TERMINATION.
- C ALL TELECOM PATHWAY SYSTEMS SHALL BE INDEPENDENTLY SUPPORTED FROM AND ATTACHED TO THE BUILDING STRUCTURE.
- D ALL TELECOM PATHWAY SYSTEMS SHALL BE COMPLETELY AND PROPERLY LABELED AS REQUIRED IN REFERENCED STANDARDS.
- E CONDUIT SYSTEMS SHALL BE PROVIDED FOR ALL PATHWAYS IN INACCESSIBLE CEILING SPACES AND WHERE EXPOSED TO PUBLIC VIEW. ALL CONDUIT SYSTEMS THROUGHOUT THE BUILDING SHALL INCLUDE PROPERLY SIZED SLEEVED PENETRATIONS WITH BUSHINGS THROUGH ALL BARRIERS.
- F ALL TELECOM OUTLET BOXES SHALL BE A MINIMUM DOUBLE GANG BOX NO LESS THAN 2' DEEP.
- G CORRIDOR CABLE TRAY SHALL BE PROVIDED AS REQUIRED BY THE CONTRACT DRAWINGS. REFER TO DIVISION 27 SPECIFICATIONS FOR ADDITIONAL PRODUCT DETAILS AND REQUIREMENTS.
- H CONTRACTOR SHALL NOT EXCEED 40% FILL RATIO WITHIN ANY CONDUIT MEANT FOR TELECOMMUNICATIONS CABLING.
- I CONTRACTOR SHALL CALCULATE FILL RATIOS BASED ON ACTUAL CATEGORY 6A CABLING USED. TYPICAL FILL RATIOS FOR CATEGORY 6A CABLE ARE SHOWN HERE FOR REFERENCE PURPOSES ONLY: 1" EMT = 5 CABLES; 1-1/4" EMT = 9 CABLES; 2" EMT = 21 CABLES; 3" EMT = 57 CABLES; 4" EMT = 93 CABLES.
- J CONDUIT RUNS SHALL NOT BE LONGER THAN 100' BETWEEN PULLING POINTS AND SHALL NOT INCLUDE MORE THAN TWO 90° BENDS BETWEEN PULLING POINTS. IF THE PATH OF THE CONDUIT RUN REQUIRES BENDS EXCEEDING A TOTAL OF 180°, INSTALLATION OF AN APPROPRIATELY SIZED JUNCTION BOX IS REQUIRED.
- K CONTRACTOR SHALL PROVIDE PROPERLY RATED FIRE STOP SYSTEMS FOR ALL CONDUIT AND/OR CABLE TRAY ENTERING THE TELECOMMUNICATIONS ROOMS. EACH CONTRACTOR IS RESPONSIBLE FOR SEALING PENETRATIONS AFTER EACH SCOPE OF WORK IS COMPLETED.
- L CONTRACTOR SHALL PROVIDE FIRE STOPS TO SEAL ALL PENETRATIONS THROUGH FLOORS, WALLS, STAIRS, AND ELEVATORS AS NECESSARY TO MEET CODE REQUIREMENTS. FIRE STOPS SHALL BE PROVIDED IN ACCORDANCE WITH ALL APPLICABLE CODES AND STANDARDS.

SHEET NOTES

- 1 SHADED AREA OUTSIDE OF CONSTRUCTION SCOPE. ALL PATHWAYS WITHIN REGION SHALL BE PROTECTED IN PLACE THROUGH CONSTRUCTION.



SCHMIDT ASSOCIATES
 415 Massachusetts Avenue
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Project No. 2019-067.OSC
 Project Date 07.31.2024
 Produced MJC MKD

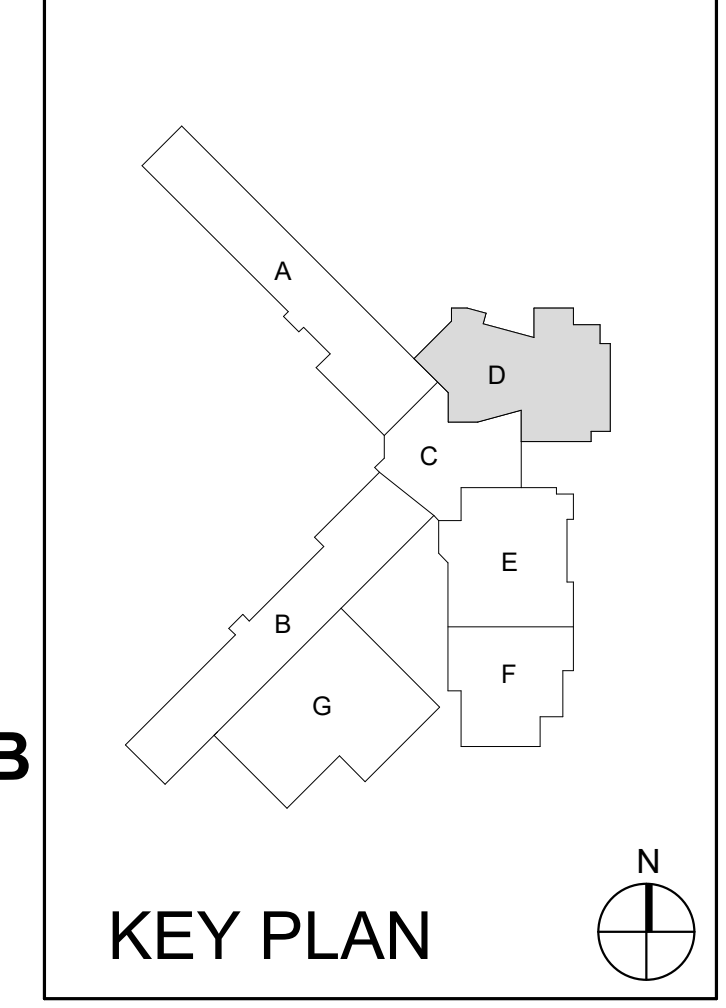


Matthew Connolly
 BICSI ID # 212593
 EXPIRES 12-31-24
 RCDD

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| 1 | Addendum #01 | 08/22/2024 |

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M.S.D. of
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WASHINGTON TOWNSHIP SCHOOLS

SERVICE CENTER RENOVATION - PHASE 6B

SECOND FLOOR DISTRIBUTION PLAN - UNIT D
 T102D

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SHEET NOTES

- 1 SHADED AREA OUTSIDE OF CONSTRUCTION SCOPE. ALL DEVICES WITHIN REGION SHALL BE PROTECTED IN PLACE THROUGH CONSTRUCTION.
- 2 DATA LOCATION MOUNTED ADJACENT TO POWER LOCATIONS SERVING PRINTING EQUIPMENT.
- 3 DATA LOCATION SERVING GAS EQUIPMENT. COORDINATE FINAL LOCATION WITH TEMPERATURE CONTROLS CONTRACTOR.

TECHNOLOGY LEGEND

| | |
|--|--|
| ■ DATA LOCATION - SURFACE MOUNTED | □ DUAL SIDED CLOCK LOCATION - SURFACE MOUNTED |
| ▽ DATA LOCATION - FLUSH MOUNTED | HA HEARING ASSISTANCE ANTENNA LOCATION |
| ▬ DATA RACEWAY - SURFACE MOUNTED | IR IR MICROPHONE LOCATION |
| ▬ DATA RACEWAY - FLUSH MOUNTED | S PAGING SPEAKER - CEILING MOUNTED |
| ▬ DATA RACEWAY - SURFACE MOUNTED | S PROGRAM SPEAKER - CEILING MOUNTED |
| ▬ DATA RACEWAY - FLUSH MOUNTED | SPS PROGRAM SPEAKER - SURFACE MOUNTED |
| DP DIGITAL SIGNAGE LOCATION - FLUSH MOUNTED | TP TOUCH PANEL LOCATION - FLUSH MOUNTED |
| MON MONITOR LOCATION - FLUSH MOUNTED | TP TOUCH PANEL LOCATION - SURFACE MOUNTED |
| MON MONITOR LOCATION - SURFACE MOUNTED | RS ROOM SCHEDULER - FLUSH MOUNTED |
| PP POWER POLE LOCATION | RS ROOM SCHEDULER - SURFACE MOUNTED |
| P PROJECTOR LOCATION | WA WIRELESS MICROPHONE ANTENNA |
| STP SHORT THROW PROJECTOR LOCATION | V VOLUME CONTROL - FLUSH MOUNTED |
| TS TEACHER STATION LOCATION - SURFACE MOUNTED | V VOLUME CONTROL - SURFACE MOUNTED |
| TS TEACHER STATION LOCATION - FLUSH MOUNTED | CR CARD READER LOCATION |
| WP WALL PHONE LOCATION - SURFACE MOUNTED | CR CARD READER LOCATION - MULLION MOUNTED |
| WP WALL PHONE LOCATION - FLUSH MOUNTED | DOOR POSITION SWITCH LOCATION |
| WA WIRELESS ACCESS POINT - CEILING MOUNTED | AI AUDIO INTERCOM DOOR STATION LOCATION |
| AV AV INPUT LOCATION - SURFACE MOUNTED | VI VIDEO INTERCOM DOOR STATION LOCATION |
| AV AV INPUT LOCATION - FLUSH MOUNTED | MS MOTION SENSOR - SURFACE MOUNTED |
| AV AV CONTROL LOCATION - FLUSH MOUNTED | MS MOTION SENSOR - CEILING MOUNTED |
| AV AV CONTROL LOCATION - SURFACE MOUNTED | KF INTRUSION DETECTION KEYPAD LOCATION |
| AR AV RACK LOCATION | DB DURESS BUTTON LOCATION |
| BA BLUETOOTH RECEIVER ANTENNA LOCATION - FLUSH MOUNTED | DR DOOR RELEASE BUTTON |
| BA BLUETOOTH RECEIVER ANTENNA LOCATION - SURFACE MOUNTED | AS VIDEO INTERCOM ANSWERING STATION - DESK MOUNTED |
| CS CALL SWITCH LOCATION - SURFACE MOUNTED | SC SECURITY CAMERA - CEILING MOUNTED |
| C CLOCK LOCATION - SURFACE MOUNTED | SW SECURITY CAMERA - WALL MOUNTED |

GENERAL HORIZONTAL CABLING NOTES

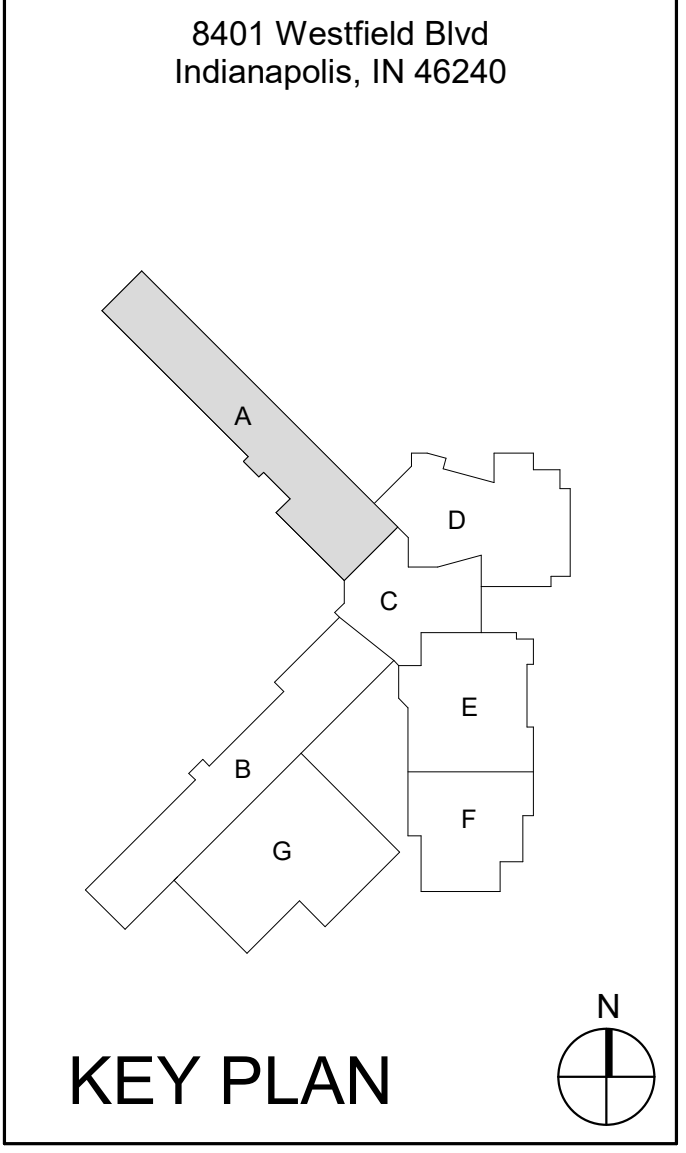
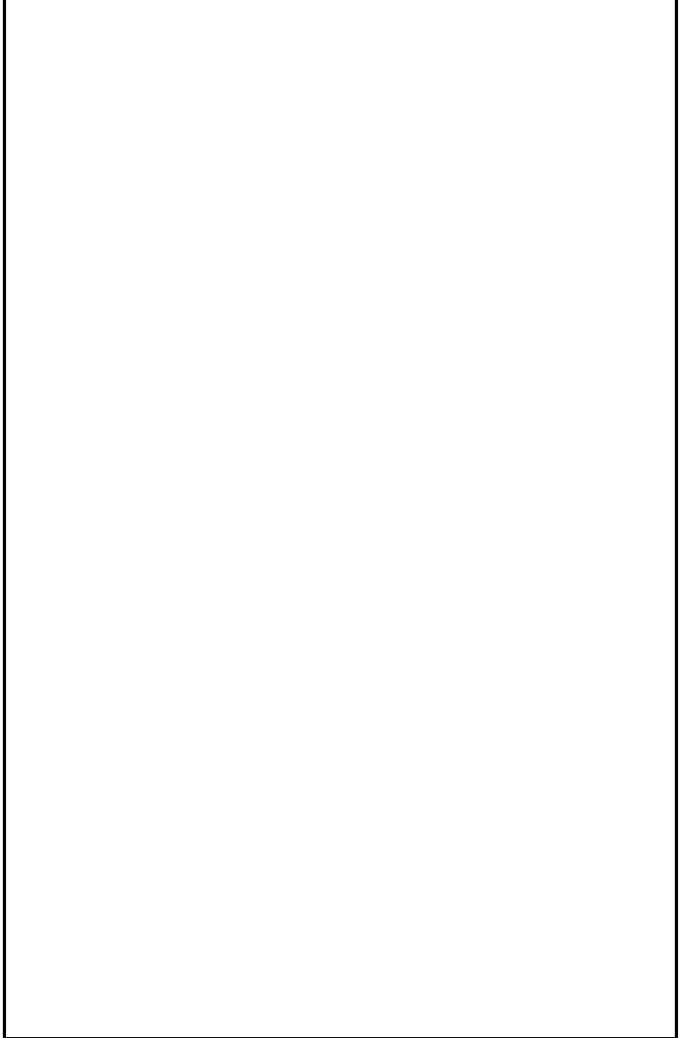
- MINIMUM CATEGORY 6A COMPLIANT 4-PAIR UNSHIELDED TWISTED PAIR (UTP). ALL HORIZONTAL CABLING MUST BE PLENUM RATED.
- MANUFACTURER CERTIFIED INCLUDING THE MINIMUM PERFORMANCE AND APPLICATIONS WARRANTY.
- PAINTING OF THE STRUCTURED CABLING WILL VOID THE WARRANTY. ENSURE PROPER COORDINATION WITH PAINTING CONTRACTOR SO THAT ALL STRUCTURED CABLING IS PROTECTED PRIOR TO ANY PAINTING.
- PROVIDE A MINIMUM 10 FOOT MAINTENANCE LOOP ON EACH HORIZONTAL CABLING RUN. MAINTENANCE LOOPS SHALL BE STORED ABOVE ACCESSIBLE CEILING, IN CABLE TRAY, AND IN TELECOMMUNICATION ROOM CABLE TRAY. CABLING ABOVE CEILING SHALL BE SUSPENDED FROM APPROPRIATE SUPPORTS AND SHALL NOT TOUCH THE CEILING.
- ALL PINPAIR ASSIGNMENTS SHALL BE T568B.
- REFER TO SPECIFICATION SECTION 27 15 13 FOR CABLE JACKET COLOR REQUIREMENTS.
- LABELING SHALL BE COMPLETED AS DEFINED IN THE CONTRACT DOCUMENTS AND SHALL BE COORDINATED WITH THE OWNER.
- PROVIDE ALL TELECOMMUNICATION OUTLETS AS SHOWN ON THE DRAWINGS AND AS REQUIRED TO PROVIDE CONNECTIONS FOR EACH DEVICE SHOWN ON THE DRAWINGS.
- ALL TESTING OF HORIZONTAL CABLING SHALL BE COMPLETED AS DIRECTED BY THE PROJECT SPECIFICATIONS. ALL CABLING MUST BE TESTED AND CERTIFIED TO THE APPLICABLE STANDARDS.



Project No. 2019-067.OSC
 Project Date 07.31.2024
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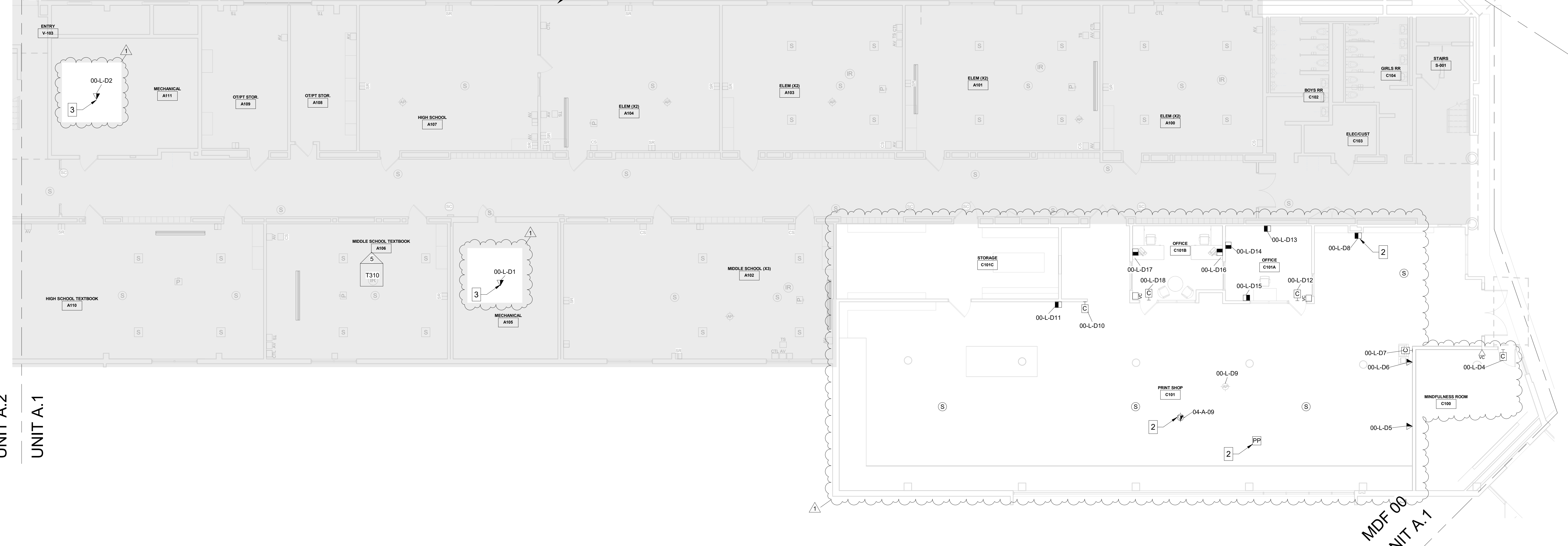
WASHINGTON TOWNSHIP SCHOOLS

SERVIC CENTER RENOVATION - PHASE 6B

FIRST FLOOR TECHNOLOGY PLAN - UNIT A1
 T201A1

UNIT A.2
UNIT A.1

MDF 00
UNIT A.1



FIRST FLOOR TECHNOLOGY PLAN - UNIT A1
 1/8" = 1'-0"

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DATE: 08/22/2024 10:45:00 AM
 PROJECT: 2019-067.OSC
 DRAWING: T201A1
 SHEET: 1/8" = 1'-0"

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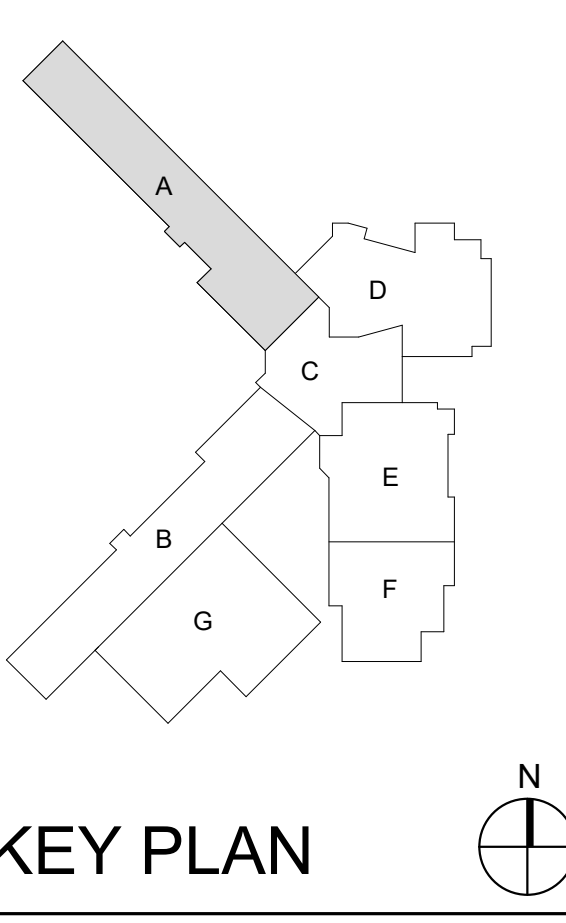
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SERVIC CENTER RENOVATION - PHASE 6B

FIRST FLOOR TECHNOLOGY PLAN - UNIT A2
 T201A2

GENERAL HORIZONTAL CABLING NOTES

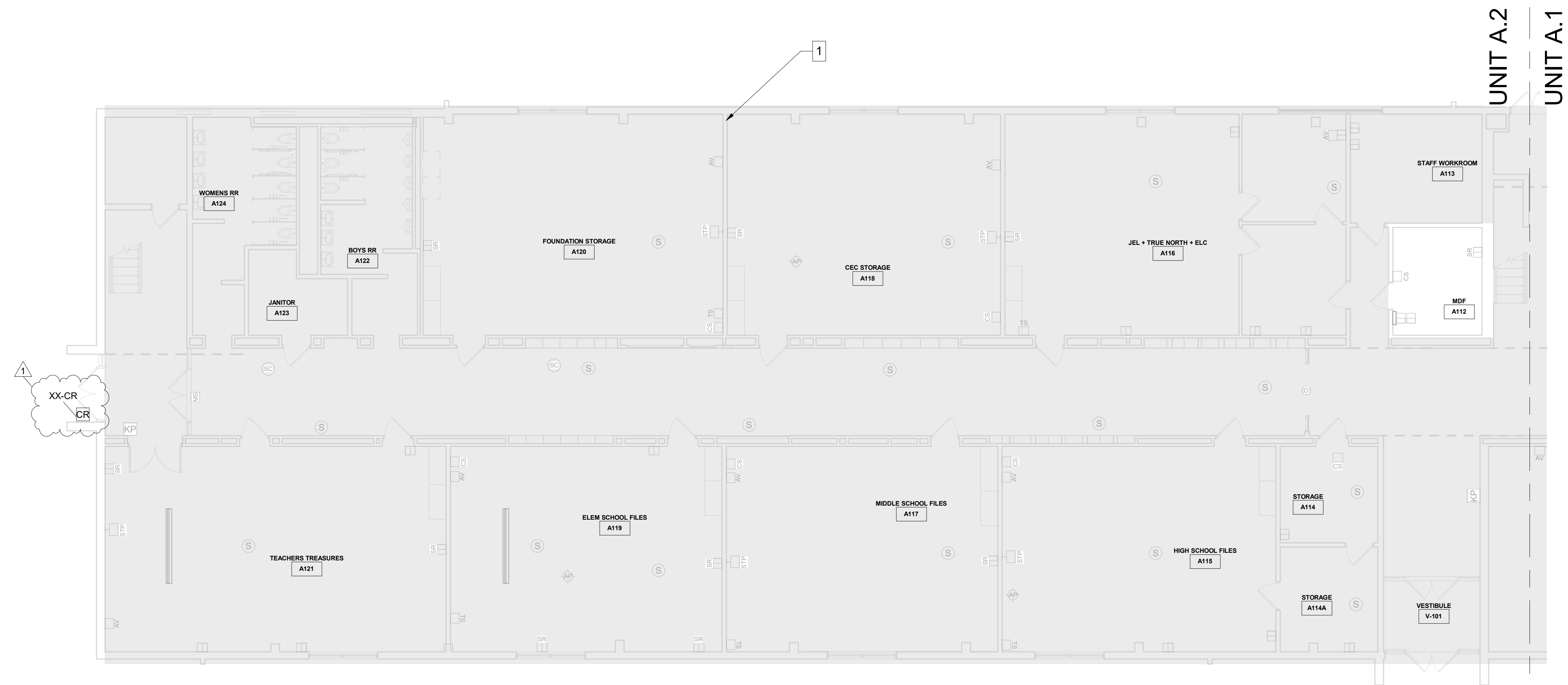
- A MINIMUM CATEGORY 6A COMPLIANT 4-PAIR UNSHIELDED TWISTED PAIR (UTP). ALL HORIZONTAL CABLING MUST BE PLENUM RATED.
- B MANUFACTURER CERTIFIED INCLUDING THE MINIMUM PERFORMANCE AND APPLICATIONS WARRANTY.
- C PAINTING OF THE STRUCTURED CABLING WILL VOID THE WARRANTY. ENSURE PROPER COORDINATION WITH PAINTING CONTRACTOR SO THAT ALL STRUCTURED CABLING IS PROTECTED PRIOR TO ANY PAINTING.
- D PROVIDE A MINIMUM 10 FOOT MAINTENANCE LOOP ON EACH HORIZONTAL CABLING RUN. MAINTENANCE LOOPS SHALL BE STORED ABOVE ACCESSIBLE CEILINGS, IN CABLE TRAY, AND IN TELECOMMUNICATION ROOM CABLE TRAY. CABLING ABOVE CEILING SHALL BE SUSPENDED FROM APPROPRIATE SUPPORTS AND SHALL NOT TOUCH THE CEILING.
- E ALL PNP/PAIR ASSIGNMENTS SHALL BE T568B.
- F REFER TO SPECIFICATION SECTION 27 15 13 FOR CABLE JACKET COLOR REQUIREMENTS
- G LABELING SHALL BE COMPLETED AS DEFINED IN THE CONTRACT DOCUMENTS AND SHALL BE COORDINATED WITH THE OWNER.
- H PROVIDE ALL TELECOMMUNICATION OUTLETS AS SHOWN ON THE DRAWINGS AND AS REQUIRED TO PROVIDE CONNECTIONS FOR EACH DEVICE SHOWN ON THE DRAWINGS.
- I ALL TESTING OF HORIZONTAL CABLING SHALL BE COMPLETED AS DIRECTED BY THE PROJECT SPECIFICATIONS. ALL CABLING MUST BE TESTED AND CERTIFIED TO THE APPLICABLE STANDARDS.

TECHNOLOGY LEGEND

- DATA LOCATION - SURFACE MOUNTED
- DATA LOCATION - FLUSH MOUNTED
- DATA RACEWAY - SURFACE MOUNTED
- DATA RACEWAY - FLUSH MOUNTED
- DATA RE-CABLE LOCATION - SURFACE MOUNTED
- DIGITAL SIGNAGE LOCATION - FLUSH MOUNTED
- MONITOR LOCATION - FLUSH MOUNTED
- MONITOR LOCATION - SURFACE MOUNTED
- PROJECTOR LOCATION
- SHORT THROW PROJECTOR LOCATION
- TEACHER STATION LOCATION - SURFACE MOUNTED
- WALL PHONE LOCATION - FLUSH MOUNTED
- WALL PHONE LOCATION - SURFACE MOUNTED
- WIRELESS ACCESS POINT - CEILING MOUNTED
- AV INPUT LOCATION - SURFACE MOUNTED
- AV INPUT LOCATION - FLUSH MOUNTED
- AV CONTROL LOCATION - FLUSH MOUNTED
- AV CONTROL LOCATION - SURFACE MOUNTED
- AV RACK LOCATION
- BLUETOOTH RECEIVER ANTENNA LOCATION - FLUSH MOUNTED
- BLUETOOTH RECEIVER ANTENNA LOCATION - SURFACE MOUNTED
- CALL SWITCH LOCATION - SURFACE MOUNTED
- CLOCK LOCATION - SURFACE MOUNTED
- DUAL SIDED CLOCK LOCATION - SURFACE MOUNTED
- HEARING ASSISTANCE ANTENNA LOCATION
- IR MICROPHONE LOCATION
- PAGING SPEAKER - CEILING MOUNTED
- PROGRAM SPEAKER - CEILING MOUNTED
- PROGRAM SPEAKER - PENDANT MOUNTED
- PROGRAM SPEAKER - SURFACE MOUNTED
- TOUCH PANEL LOCATION - FLUSH MOUNTED
- TOUCH PANEL LOCATION - SURFACE MOUNTED
- ROOM SCHEDULER - FLUSH MOUNTED
- ROOM SCHEDULER - SURFACE MOUNTED
- WIRELESS MICROPHONE ANTENNA
- VOLUME CONTROL - FLUSH MOUNTED
- VOLUME CONTROL - SURFACE MOUNTED
- CARD READER LOCATION
- CARD READER LOCATION - MULLION MOUNTED
- DOOR POSITION SWITCH LOCATION
- AUDIO INTERCOM DOOR STATION LOCATION
- VIDEO INTERCOM DOOR STATION LOCATION
- MOTION SENSOR - SURFACE MOUNTED
- MOTION SENSOR - CEILING MOUNTED
- INTRUSION DETECTION KEYPAD LOCATION
- DURESS BUTTON LOCATION
- DOOR RELEASE BUTTON
- VIDEO INTERCOM ANSWERING STATION - DESK MOUNTED
- SECURITY CAMERA - CEILING MOUNTED
- SECURITY CAMERA - WALL MOUNTED

SHEET NOTES

- 1 SHADED AREA OUTSIDE OF CONSTRUCTION SCOPE. ALL DEVICES WITHIN REGION SHALL BE PROTECTED IN PLACE THROUGH CONSTRUCTION.



FIRST FLOOR TECHNOLOGY PLAN - UNIT A2
 1/8" = 1'-0"

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DATE: 08/22/2024 10:45:00 AM
 PROJECT: 2019-067.OSC - PHASE 6B - SERVIC CENTER RENOVATION - PHASE 6B
 DRAWING: T201A2 - FIRST FLOOR TECHNOLOGY PLAN - UNIT A2
 DESIGNED BY: MJC
 CHECKED BY: MKD
 APPROVED BY: MJC

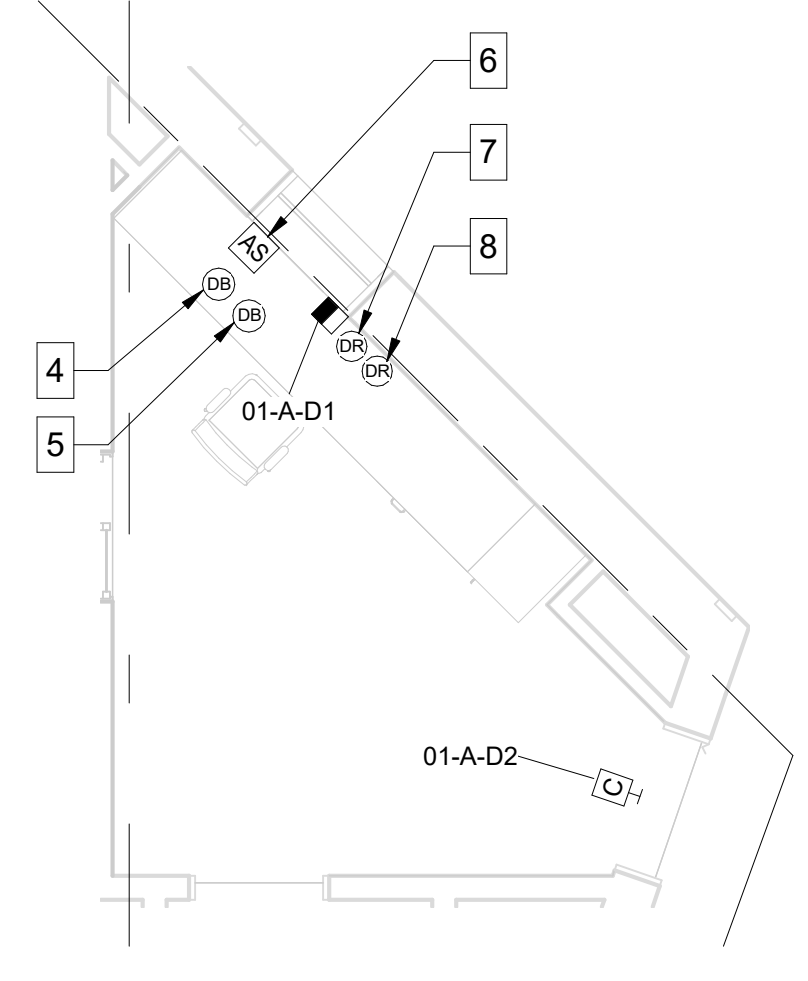
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- SHEET NOTES**
- SHADED AREA OUTSIDE OF CONSTRUCTION SCOPE. ALL DEVICES WITHIN REGION SHALL BE PROTECTED IN PLACE THROUGH CONSTRUCTION.
 - MONITOR ROUGH-IN LOCATION.
 - TIMECLOCK LOCATION.
 - 911/LOCKDOWN DURESS BUTTON MOUNTED BELOW DESK. BUTTON SHALL BE LOCATED 12" FROM ADJACENT DURESS BUTTON AND MOUNTED SUCH THAT BUTTON PRESS IS AN UPWARD MOTION. REFER TO SECURITY DIAGRAMS AND DETAILS FOR CONNECTIVITY AND CABLING REQUIREMENTS. CONFIRM FINAL BUTTON LOCATION WITH OWNER'S SAFETY AND SECURITY DEPARTMENT PRIOR TO INSTALL. REFER TO SPECIFICATIONS FOR TEMPORARY LABELING REQUIREMENTS.
 - SECURE EXTERIOR DOORS DURESS BUTTON MOUNTED BELOW DESK. BUTTON SHALL BE LOCATED 12" FROM ADJACENT DURESS BUTTON AND MOUNTED SUCH THAT BUTTON PRESS IS AN UPWARD MOTION. REFER TO SECURITY DIAGRAMS AND DETAILS FOR CONNECTIVITY AND CABLING REQUIREMENTS. CONFIRM FINAL BUTTON LOCATION WITH OWNER'S SAFETY AND SECURITY DEPARTMENT PRIOR TO INSTALL. REFER TO SPECIFICATIONS FOR TEMPORARY LABELING REQUIREMENTS.
 - DESK MOUNTED VIDEO INTERCOM MASTER STATION COORDINATE FINAL LOCATION ON DESK WITH OWNER. CONTRACTOR SHALL PROVIDE CATEGORY 6A PATCH CORD FROM DEVICE TO NEAREST DATA LOCATION. PROGRAM DEDICATED BUTTON TO RELEASE DOOR #459.
 - DOOR RELEASE BUTTON MOUNTED BELOW TRANSACTION COUNTER TO RELEASE DOOR #459. CONFIRM FINAL LOCATION WITH OWNER PRIOR TO INSTALLATION. REFER TO SPECIFICATIONS FOR TEMPORARY LABELING REQUIREMENTS.
 - DOOR RELEASE BUTTON MOUNTED BELOW TRANSACTION COUNTER TO RELEASE ADA DOOR. CONFIRM FINAL LOCATION WITH OWNER PRIOR TO INSTALLATION. REFER TO SPECIFICATIONS FOR TEMPORARY LABELING REQUIREMENTS.
 - DATA LOCATION SERVING GAS EQUIPMENT. COORDINATE FINAL LOCATION WITH TEMPERATURE CONTROLS CONTRACTOR.

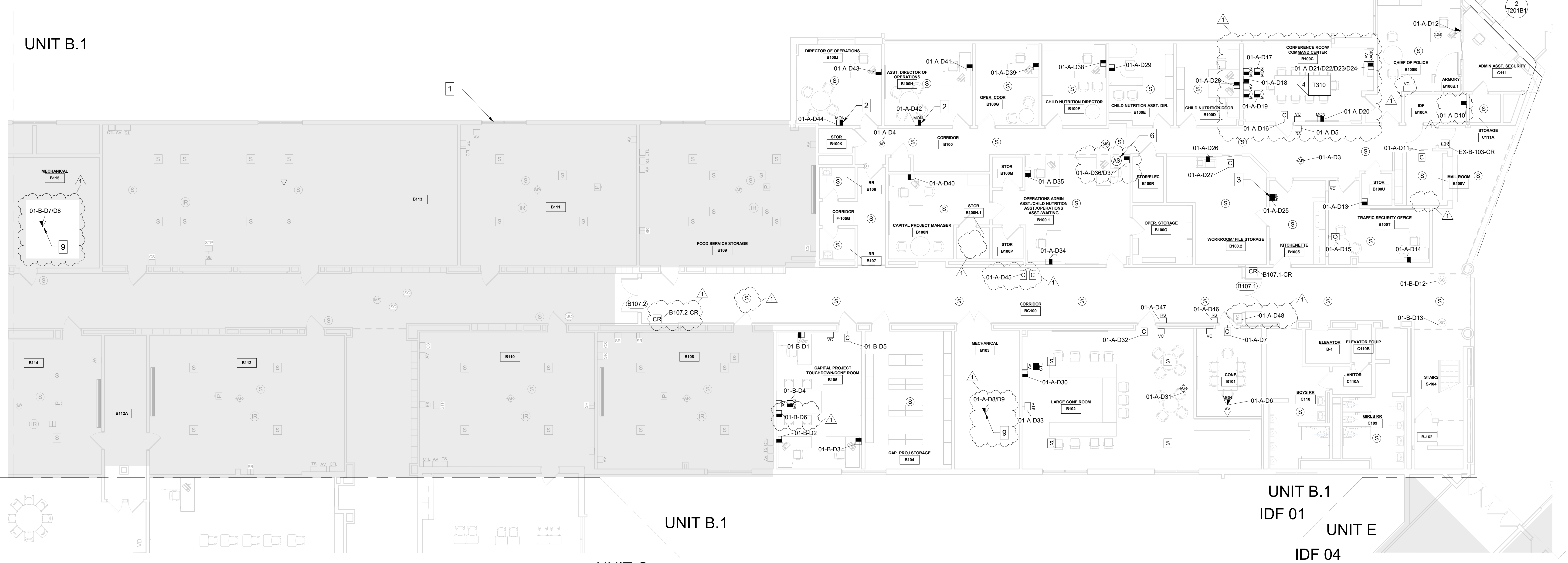
- TECHNOLOGY LEGEND**
- DATA LOCATION - SURFACE MOUNTED
 - DATA LOCATION - FLUSH MOUNTED
 - DATA RACEWAY - SURFACE MOUNTED
 - DATA RACEWAY - FLUSH MOUNTED
 - DATA RE-CABLE LOCATION - SURFACE MOUNTED
 - DIGITAL SIGNAGE LOCATION - FLUSH MOUNTED
 - MONITOR LOCATION - FLUSH MOUNTED
 - MONITOR LOCATION - SURFACE MOUNTED
 - POWER POLE LOCATION
 - PROJECTOR LOCATION
 - SHORT THROW PROJECTOR LOCATION
 - TEACHER STATION LOCATION - SURFACE MOUNTED
 - WALL PHONE LOCATION - FLUSH MOUNTED
 - WALL PHONE LOCATION - SURFACE MOUNTED
 - WIRELESS ACCESS POINT - CEILING MOUNTED
 - AV INPUT LOCATION - SURFACE MOUNTED
 - AV INPUT LOCATION - FLUSH MOUNTED
 - AV CONTROL LOCATION - FLUSH MOUNTED
 - AV CONTROL LOCATION - SURFACE MOUNTED
 - AV RACK LOCATION
 - BLUETOOTH RECEIVER ANTENNA LOCATION - FLUSH MOUNTED
 - BLUETOOTH RECEIVER ANTENNA LOCATION - SURFACE MOUNTED
 - CALL SWITCH LOCATION - SURFACE MOUNTED
 - CLOCK LOCATION - SURFACE MOUNTED
 - DUAL SIDED CLOCK LOCATION - SURFACE MOUNTED
 - HEARING ASSISTANCE ANTENNA LOCATION
 - IR MICROPHONE LOCATION
 - PAGING SPEAKER - CEILING MOUNTED
 - PROGRAM SPEAKER - CEILING MOUNTED
 - PROGRAM SPEAKER - SURFACE MOUNTED
 - TOUCH PANEL LOCATION - FLUSH MOUNTED
 - TOUCH PANEL LOCATION - SURFACE MOUNTED
 - ROOM SCHEDULER - FLUSH MOUNTED
 - ROOM SCHEDULER - SURFACE MOUNTED
 - WIRELESS MICROPHONE ANTENNA
 - VOLUME CONTROL - FLUSH MOUNTED
 - VOLUME CONTROL - SURFACE MOUNTED
 - CARD READER LOCATION
 - CARD READER LOCATION - MULLION MOUNTED
 - DOOR POSITION SWITCH LOCATION
 - AUDIO INTERCOM DOOR STATION LOCATION
 - VIDEO INTERCOM DOOR STATION LOCATION
 - MOTION SENSOR - SURFACE MOUNTED
 - MOTION SENSOR - CEILING MOUNTED
 - INTRUSION DETECTION KEYPAD LOCATION
 - DURESS BUTTON LOCATION
 - DOOR RELEASE BUTTON
 - VIDEO INTERCOM ANSWERING STATION - DESK MOUNTED
 - SECURITY CAMERA - CEILING MOUNTED
 - SECURITY CAMERA - WALL MOUNTED

- GENERAL HORIZONTAL CABLING NOTES**
- MINIMUM CATEGORY 6A COMPLIANT 4-PAIR UNSHIELDED TWISTED PAIR (UTP). ALL HORIZONTAL CABLING MUST BE PLENUM RATED.
 - MANUFACTURER CERTIFIED INCLUDING THE MINIMUM PERFORMANCE AND APPLICATIONS WARRANTY.
 - PAINTING OF THE STRUCTURED CABLING WILL VOID THE WARRANTY. ENSURE PROPER COORDINATION WITH PAINTING CONTRACTOR SO THAT ALL STRUCTURED CABLING IS PROTECTED PRIOR TO ANY PAINTING.
 - PROVIDE A MINIMUM 10 FOOT MAINTENANCE LOOP ON EACH HORIZONTAL CABLING RUN. MAINTENANCE LOOPS SHALL BE STORED ABOVE ACCESSIBLE CEILING, IN CABLE TRAY, AND IN TELECOMMUNICATION ROOM CABLE TRAY. CABLING ABOVE CEILING SHALL BE SUSPENDED FROM APPROPRIATE SUPPORTS AND SHALL NOT TOUCH THE CEILING.
 - ALL PINPAIR ASSIGNMENTS SHALL BE T568B.
 - REFER TO SPECIFICATION SECTION 27.15.13 FOR CABLE JACKET COLOR REQUIREMENTS.
 - LABELING SHALL BE COMPLETED AS DEFINED IN THE CONTRACT DOCUMENTS AND SHALL BE COORDINATED WITH THE OWNER.
 - PROVIDE ALL TELECOMMUNICATION OUTLETS AS SHOWN ON THE DRAWINGS AND AS REQUIRED TO PROVIDE CONNECTIONS FOR EACH DEVICE SHOWN ON THE DRAWINGS.
 - ALL TESTING OF HORIZONTAL CABLING SHALL BE COMPLETED AS DIRECTED BY THE PROJECT SPECIFICATIONS. ALL CABLING MUST BE TESTED AND CERTIFIED TO THE APPLICABLE STANDARDS.



2 ADMIN ASST. SECURITY H101U ENLARGED DESK LAYOUT 1/4" = 1'-0"

UNIT B.1



UNIT B.1

UNIT B.1
IDF 01

UNIT E

IDF 04

UNIT G

1 FIRST FLOOR TECHNOLOGY PLAN - UNIT B1 1/8" = 1'-0"

6 5 4 3 2 1



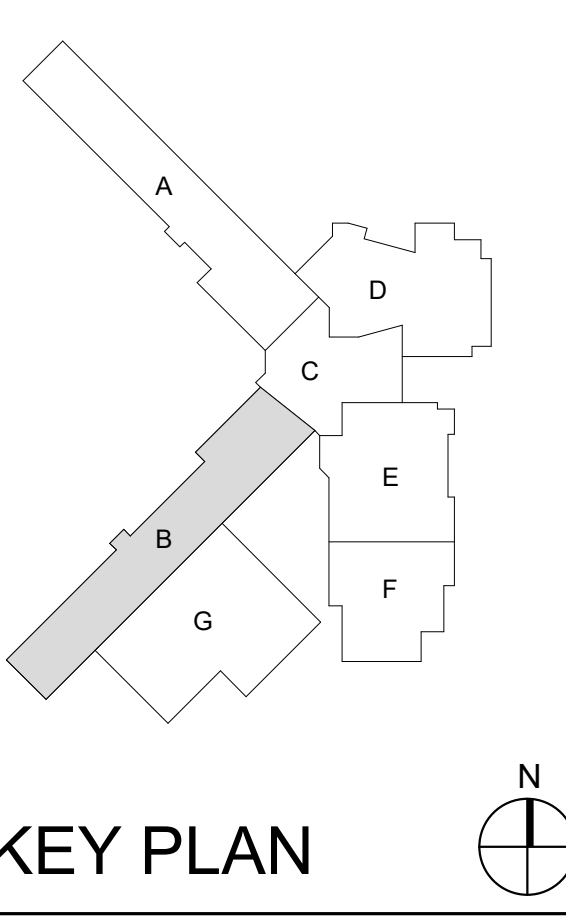
Project No. 2019-067.OSC
Project Date 07.31.2024
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SERVICE CENTER RENOVATION - PHASE 6B

FIRST FLOOR TECHNOLOGY PLAN - UNIT B1
T201B1

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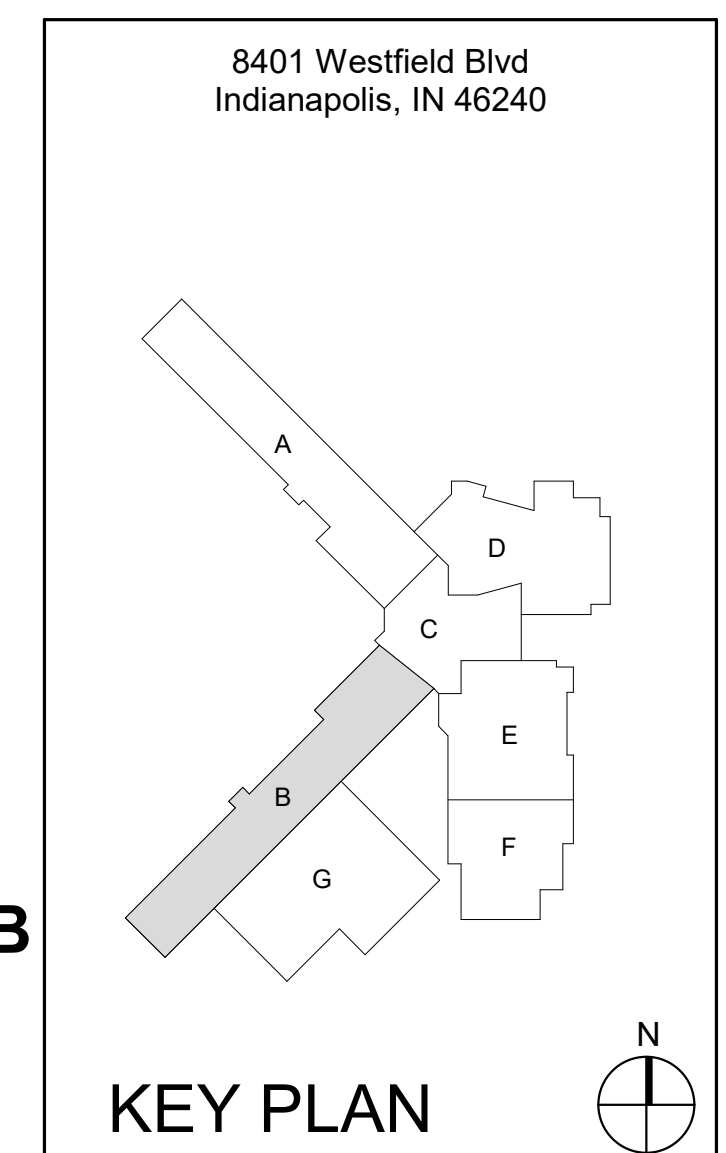


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Project Date 07.31.2024
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REGISTERED COMMUNICATIONS DISTRIBUTION DESIGNER
Matthew Connolly
BICSI ID # 212593
EXPIRES 12-31-24

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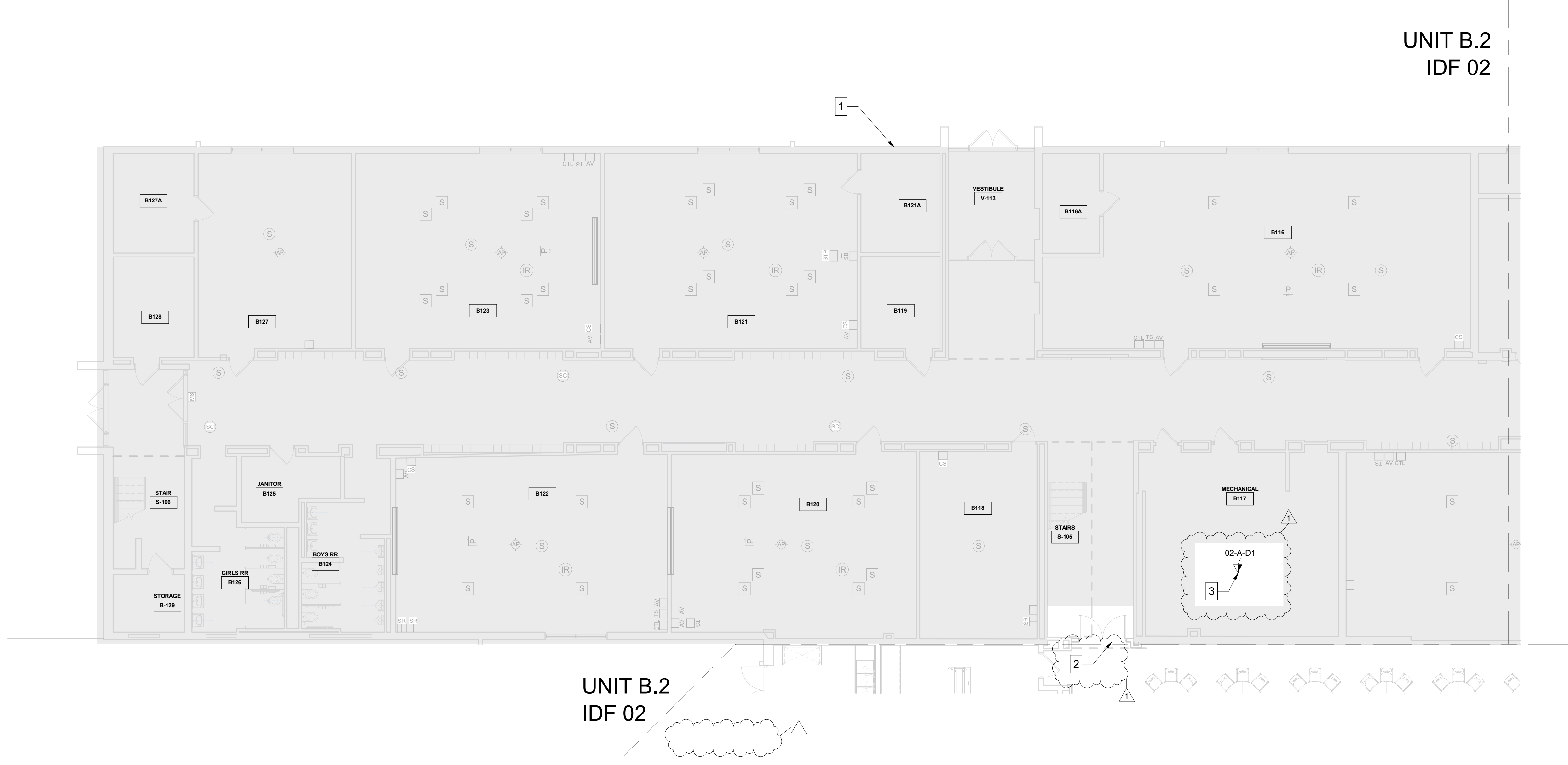
M.S.D. of Washington Township
WASHINGTON TOWNSHIP SCHOOLS
SERVIVE CENTER RENOVATION - PHASE 6B

FIRST FLOOR TECHNOLOGY PLAN - UNIT B2
T201B2

- GENERAL HORIZONTAL CABLING NOTES**
- A MINIMUM CATEGORY 6A COMPLIANT 4-PAIR UNSHIELDED TWISTED PAIR (UTP) ALL HORIZONTAL CABLING MUST BE PLENUM RATED.
 - B MANUFACTURER CERTIFIED INCLUDING THE MINIMUM PERFORMANCE AND APPLICATIONS WARRANTY.
 - C PAINTING OF THE STRUCTURED CABLING WILL VOID THE WARRANTY. ENSURE PROPER COORDINATION WITH PAINTING CONTRACTOR SO THAT ALL STRUCTURED CABLING IS PROTECTED PRIOR TO ANY PAINTING.
 - D PROVIDE A MINIMUM 10 FOOT MAINTENANCE LOOP ON EACH HORIZONTAL CABLING RUN. MAINTENANCE LOOPS SHALL BE STORED ABOVE ACCESSIBLE CEILINGS, IN CABLE TRAY, AND IN TELECOMMUNICATION ROOM CABLE TRAY. CABLING ABOVE CEILING SHALL BE SUSPENDED FROM APPROPRIATE SUPPORTS AND SHALL NOT TOUCH THE CEILING.
 - E ALL PINPAIR ASSIGNMENTS SHALL BE T568B.
 - F REFER TO SPECIFICATION SECTION 27 15 13 FOR CABLE JACKET COLOR REQUIREMENTS
 - G LABELING SHALL BE COMPLETED AS DEFINED IN THE CONTRACT DOCUMENTS AND SHALL BE COORDINATED WITH THE OWNER.
 - H PROVIDE ALL TELECOMMUNICATION OUTLETS AS SHOWN ON THE DRAWINGS AND AS REQUIRED TO PROVIDE CONNECTIONS FOR EACH DEVICE SHOWN ON THE DRAWINGS.
 - I ALL TESTING OF HORIZONTAL CABLING SHALL BE COMPLETED AS DIRECTED BY THE PROJECT SPECIFICATIONS. ALL CABLING MUST BE TESTED AND CERTIFIED TO THE APPLICABLE STANDARDS.

- TECHNOLOGY LEGEND**
- DATA LOCATION - SURFACE MOUNTED
 - ▽ DATA LOCATION - FLUSH MOUNTED
 - DATA RACEWAY - SURFACE MOUNTED
 - ▽ DATA RACEWAY - FLUSH MOUNTED
 - DATA RE-CABLE LOCATION - SURFACE MOUNTED
 - ▽ DATA RE-CABLE LOCATION - FLUSH MOUNTED
 - DIGITAL SIGNAGE LOCATION - FLUSH MOUNTED
 - ▽ MONITOR LOCATION - FLUSH MOUNTED
 - MONITOR LOCATION - SURFACE MOUNTED
 - PP POWER POLE LOCATION
 - P PROJECTOR LOCATION
 - STP SHORT THROW PROJECTOR LOCATION
 - TS TEACHER STATION LOCATION - SURFACE MOUNTED
 - W WALL PHONE LOCATION - FLUSH MOUNTED
 - W WALL PHONE LOCATION - SURFACE MOUNTED
 - W WIRELESS ACCESS POINT - CEILING MOUNTED
 - AV AV INPUT LOCATION - SURFACE MOUNTED
 - AV AV INPUT LOCATION - FLUSH MOUNTED
 - AV AV CONTROL LOCATION - FLUSH MOUNTED
 - AV AV CONTROL LOCATION - SURFACE MOUNTED
 - AV AV RACK LOCATION
 - MA BLUETOOTH RECEIVER ANTENNA LOCATION - FLUSH MOUNTED
 - MA BLUETOOTH RECEIVER ANTENNA LOCATION - SURFACE MOUNTED
 - CS CALL SWITCH LOCATION - SURFACE MOUNTED
 - CC CLOCK LOCATION - SURFACE MOUNTED
 - CC DUAL SIDED CLOCK LOCATION - SURFACE MOUNTED
 - MA HEARING ASSISTANCE ANTENNA LOCATION
 - IR IR MICROPHONE LOCATION
 - S PAGING SPEAKER - CEILING MOUNTED
 - S PROGRAM SPEAKER - CEILING MOUNTED
 - S PROGRAM SPEAKER - PENDANT MOUNTED
 - S PROGRAM SPEAKER - SURFACE MOUNTED
 - TP TOUCH PANEL LOCATION - SURFACE MOUNTED
 - TP TOUCH PANEL LOCATION - FLUSH MOUNTED
 - RS ROOM SCHEDULER - FLUSH MOUNTED
 - RS ROOM SCHEDULER - SURFACE MOUNTED
 - W WIRELESS MICROPHONE ANTENNA
 - V VOLUME CONTROL - FLUSH MOUNTED
 - V VOLUME CONTROL - SURFACE MOUNTED
 - CR CARD READER LOCATION
 - CR CARD READER LOCATION - MULLION MOUNTED
 - DS DOOR POSITION SWITCH LOCATION
 - AI AUDIO INTERCOM DOOR STATION LOCATION
 - VI VIDEO INTERCOM DOOR STATION LOCATION
 - MS MOTION SENSOR - SURFACE MOUNTED
 - MS MOTION SENSOR - CEILING MOUNTED
 - KP INTRUSION DETECTION KEYPAD LOCATION
 - DB DURESS BUTTON LOCATION
 - DB DOOR RELEASE BUTTON
 - AS VIDEO INTERCOM ANSWERING STATION - DESK MOUNTED
 - CC SECURITY CAMERA - CEILING MOUNTED
 - WC SECURITY CAMERA - WALL MOUNTED

- SHEET NOTES**
- 1 SHADED AREA OUTSIDE OF CONSTRUCTION SCOPE. ALL DEVICES WITHIN REGION SHALL BE PROTECTED IN PLACE THROUGH CONSTRUCTION.
 - 2 CARD READER LOCATION SERVING THIS OPENING SHOWN ON UNIT G FLOOR PLAN.
 - 3 DATA LOCATION SERVING BAS EQUIPMENT. COORDINATE FINAL LOCATION WITH TEMPERATURE CONTROLS CONTRACTOR.



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

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DATE: 08/22/2024 10:58:33 AM
PROJECT: 2019-067.OSC
SHEET: T201B2

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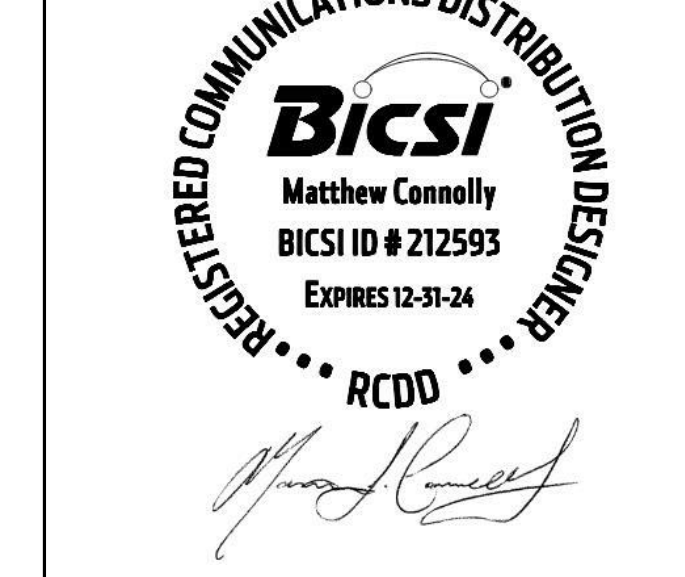
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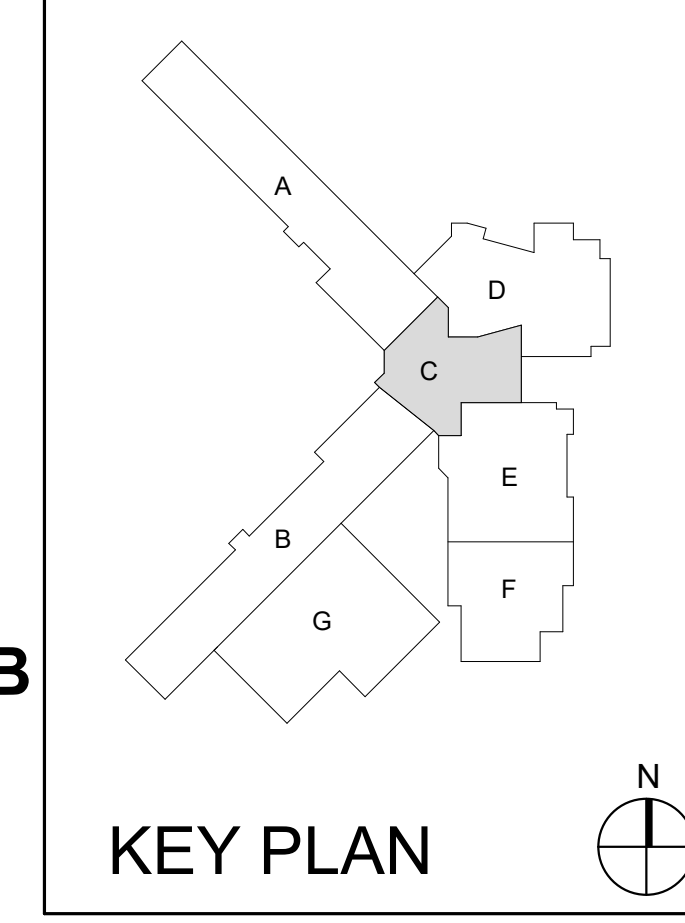
Project No. 2019-067.OSC
Project Date 07.31.2024
Produced MJC MKD



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|---|--------------|------------|
| 1 | Addendum #01 | 08/22/2024 |

8401 Westfield Blvd
Indianapolis, IN 46240

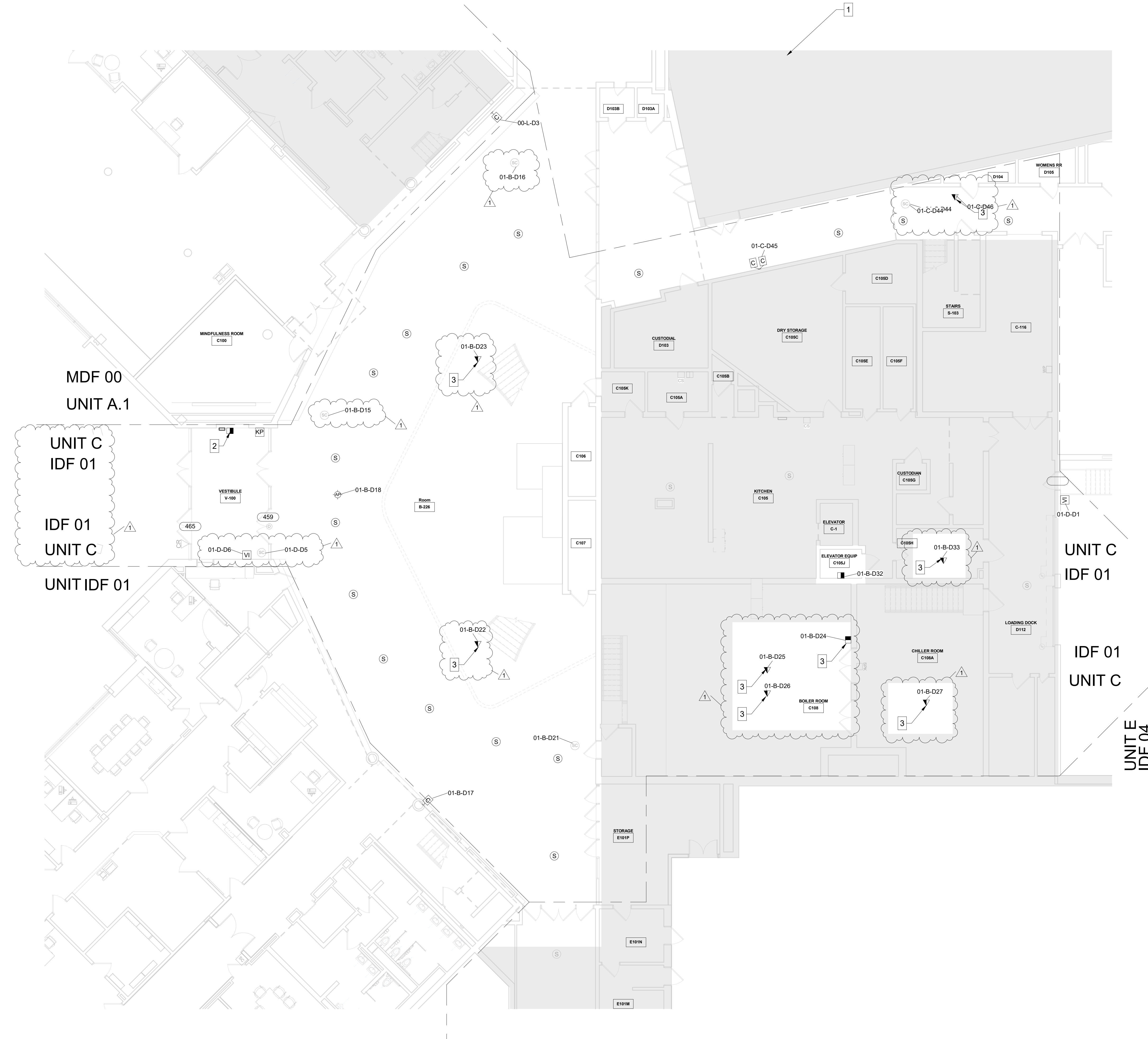


FIRST FLOOR TECHNOLOGY PLAN - UNIT C
T201C

- GENERAL HORIZONTAL CABLING NOTES**
- A MINIMUM CATEGORY 6A COMPLIANT 4-PAIR UNSHIELDED TWISTED PAIR (UTP). ALL HORIZONTAL CABLING MUST BE PLENUM RATED.
 - B MANUFACTURER CERTIFIED INCLUDING THE MINIMUM PERFORMANCE AND APPLICATIONS WARRANTY.
 - C PAINTING OF THE STRUCTURED CABLING WILL VOID THE WARRANTY. ENSURE PROPER COORDINATION WITH PAINTING CONTRACTOR SO THAT ALL STRUCTURED CABLING IS PROTECTED PRIOR TO ANY PAINTING.
 - D PROVIDE A MINIMUM 10 FOOT MAINTENANCE LOOP ON EACH HORIZONTAL CABLING RUN. MAINTENANCE LOOPS SHALL BE STORED ABOVE ACCESSIBLE CEILINGS, IN CABLE TRAY, AND IN TELECOMMUNICATION ROOM CABLE TRAY. CABLING ABOVE CEILING SHALL BE SUSPENDED FROM APPROPRIATE SUPPORTS AND SHALL NOT TOUCH THE CEILING.
 - E ALL PNP/PAIR ASSIGNMENTS SHALL BE T568B.
 - F REFER TO SPECIFICATION SECTION 27 15 13 FOR CABLE JACKET COLOR REQUIREMENTS
 - G LABELING SHALL BE COMPLETED AS DEFINED IN THE CONTRACT DOCUMENTS AND SHALL BE COORDINATED WITH THE OWNER.
 - H PROVIDE ALL TELECOMMUNICATION OUTLETS AS SHOWN ON THE DRAWINGS AND AS REQUIRED TO PROVIDE CONNECTIONS FOR EACH DEVICE SHOWN ON THE DRAWINGS.
 - I ALL TESTING OF HORIZONTAL CABLING SHALL BE COMPLETED AS DIRECTED BY THE PROJECT SPECIFICATIONS. ALL CABLING MUST BE TESTED AND CERTIFIED TO THE APPLICABLE STANDARDS.

- TECHNOLOGY LEGEND**
- DATA LOCATION - SURFACE MOUNTED
 - ▽ DATA LOCATION - FLUSH MOUNTED
 - ▬ DATA RACEWAY - SURFACE MOUNTED
 - ▬ DATA RACEWAY - FLUSH MOUNTED
 - ▬ DATA RE-CABLE LOCATION - SURFACE MOUNTED
 - ▬ DIGITAL SIGNAGE LOCATION - FLUSH MOUNTED
 - MONITOR LOCATION - FLUSH MOUNTED
 - MONITOR LOCATION - SURFACE MOUNTED
 - POWER POLE LOCATION
 - PROJECTOR LOCATION
 - SHORT THROW PROJECTOR LOCATION
 - TEACHER STATION LOCATION - SURFACE MOUNTED
 - WALL PHONE LOCATION - FLUSH MOUNTED
 - WALL PHONE LOCATION - SURFACE MOUNTED
 - WIRELESS ACCESS POINT - CEILING MOUNTED
 - AV INPUT LOCATION - SURFACE MOUNTED
 - AV INPUT LOCATION - FLUSH MOUNTED
 - AV CONTROL LOCATION - FLUSH MOUNTED
 - AV CONTROL LOCATION - SURFACE MOUNTED
 - AV RACK LOCATION
 - BLUETOOTH RECEIVER ANTENNA LOCATION - FLUSH MOUNTED
 - BLUETOOTH RECEIVER ANTENNA LOCATION - SURFACE MOUNTED
 - CALL SWITCH LOCATION - SURFACE MOUNTED
 - CLOCK LOCATION - SURFACE MOUNTED
 - DUAL SIDED CLOCK LOCATION - SURFACE MOUNTED
 - HEARING ASSISTANCE ANTENNA LOCATION
 - IR MICROPHONE LOCATION
 - PAGING SPEAKER - CEILING MOUNTED
 - PROGRAM SPEAKER - CEILING MOUNTED
 - PROGRAM SPEAKER - PENDANT MOUNTED
 - PROGRAM SPEAKER - SURFACE MOUNTED
 - TOUCH PANEL LOCATION - FLUSH MOUNTED
 - TOUCH PANEL LOCATION - SURFACE MOUNTED
 - ROOM SCHEDULER - FLUSH MOUNTED
 - ROOM SCHEDULER - SURFACE MOUNTED
 - WIRELESS MICROPHONE ANTENNA
 - VOLUME CONTROL - FLUSH MOUNTED
 - VOLUME CONTROL - SURFACE MOUNTED
 - CARD READER LOCATION
 - CARD READER LOCATION - MULLION MOUNTED
 - DOOR POSITION SWITCH LOCATION
 - AUDIO INTERCOM DOOR STATION LOCATION
 - VIDEO INTERCOM DOOR STATION LOCATION
 - MOTION SENSOR - SURFACE MOUNTED
 - MOTION SENSOR - CEILING MOUNTED
 - INTRUSION DETECTION KEYPAD LOCATION
 - DURESS BUTTON LOCATION
 - DOOR RELEASE BUTTON
 - VIDEO INTERCOM ANSWERING STATION - DESK MOUNTED
 - SECURITY CAMERA - CEILING MOUNTED
 - SECURITY CAMERA - WALL MOUNTED

- SHEET NOTES**
- 1 SHADED AREA OUTSIDE OF CONSTRUCTION SCOPE. ALL DEVICES WITHIN REGION SHALL BE PROTECTED IN PLACE THROUGH CONSTRUCTION.
 - 2 DATA TO SERVE FACP PANEL.
 - 3 DATA LOCATION SERVING BAS EQUIPMENT. COORDINATE FINAL LOCATION WITH TEMPERATURE CONTROL CONTRACTOR.



FIRST FLOOR TECHNOLOGY PLAN - UNIT C
1/8" = 1'-0"

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- GENERAL HORIZONTAL CABLING NOTES**
- A MINIMUM CATEGORY 6A COMPLIANT 4-PAIR UNSHIELDED TWISTED PAIR (UTP). ALL HORIZONTAL CABLING MUST BE PLENUM RATED.
 - B MANUFACTURER CERTIFIED INCLUDING THE MINIMUM PERFORMANCE AND APPLICATIONS WARRANTY.
 - C PAINTING OF THE STRUCTURED CABLING WILL VOID THE WARRANTY. ENSURE PROPER COORDINATION WITH PAINTING CONTRACTOR SO THAT ALL STRUCTURED CABLING IS PROTECTED PRIOR TO ANY PAINTING.
 - D PROVIDE A MINIMUM 10 FOOT MAINTENANCE LOOP ON EACH HORIZONTAL CABLING RUN. MAINTENANCE LOOPS SHALL BE STORED ABOVE ACCESSIBLE CEILINGS, IN CABLE TRAY, AND IN TELECOMMUNICATION ROOM CABLE TRAY. CABLING ABOVE CEILING SHALL BE SUSPENDED FROM APPROPRIATE SUPPORTS AND SHALL NOT TOUCH THE CEILING.
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- TECHNOLOGY LEGEND**
- DATA LOCATION - SURFACE MOUNTED
 - DATA LOCATION - FLUSH MOUNTED
 - DATA RACEWAY - SURFACE MOUNTED
 - DATA RACEWAY - FLUSH MOUNTED
 - DATA RE-CABLE LOCATION - SURFACE MOUNTED
 - DIGITAL SIGNAGE LOCATION - FLUSH MOUNTED
 - MONITOR LOCATION - FLUSH MOUNTED
 - MONITOR LOCATION - SURFACE MOUNTED
 - POWER POLE LOCATION
 - PROJECTOR LOCATION
 - SHORT THROW PROJECTOR LOCATION
 - TEACHER STATION LOCATION - SURFACE MOUNTED
 - WALL PHONE LOCATION - FLUSH MOUNTED
 - WALL PHONE LOCATION - SURFACE MOUNTED
 - WIRELESS ACCESS POINT - CEILING MOUNTED
 - AV INPUT LOCATION - SURFACE MOUNTED
 - AV INPUT LOCATION - FLUSH MOUNTED
 - AV CONTROL LOCATION - FLUSH MOUNTED
 - AV CONTROL LOCATION - SURFACE MOUNTED
 - AV RACK LOCATION
 - BLUETOOTH RECEIVER ANTENNA LOCATION - FLUSH MOUNTED
 - BLUETOOTH RECEIVER ANTENNA LOCATION - SURFACE MOUNTED
 - CALL SWITCH LOCATION - SURFACE MOUNTED
 - CLOCK LOCATION - SURFACE MOUNTED
 - DUAL SIDED CLOCK LOCATION - SURFACE MOUNTED
 - HEARING ASSISTANCE ANTENNA LOCATION
 - IR MICROPHONE LOCATION
 - PAGING SPEAKER - CEILING MOUNTED
 - PROGRAM SPEAKER - CEILING MOUNTED
 - PROGRAM SPEAKER - PENDANT MOUNTED
 - PROGRAM SPEAKER - SURFACE MOUNTED
 - TOUCH PANEL LOCATION - FLUSH MOUNTED
 - TOUCH PANEL LOCATION - SURFACE MOUNTED
 - ROOM SCHEDULER - FLUSH MOUNTED
 - ROOM SCHEDULER - SURFACE MOUNTED
 - WIRELESS MICROPHONE ANTENNA
 - VOLUME CONTROL - FLUSH MOUNTED
 - VOLUME CONTROL - SURFACE MOUNTED
 - CARD READER LOCATION
 - CARD READER LOCATION - MULLION MOUNTED
 - DOOR POSITION SWITCH LOCATION
 - AUDIO INTERCOM DOOR STATION LOCATION
 - VIDEO INTERCOM DOOR STATION LOCATION
 - MOTION SENSOR - SURFACE MOUNTED
 - MOTION SENSOR - CEILING MOUNTED
 - INTRUSION DETECTION KEYPAD LOCATION
 - DURESS BUTTON LOCATION
 - DOOR RELEASE BUTTON
 - VIDEO INTERCOM ANSWERING STATION - DESK MOUNTED
 - SECURITY CAMERA - CEILING MOUNTED
 - SECURITY CAMERA - WALL MOUNTED

- SHEET NOTES**
- 1 SHADED AREA OUTSIDE OF CONSTRUCTION SCOPE. ALL DEVICES WITHIN REGION SHALL BE PROTECTED IN PLACE THROUGH CONSTRUCTION.
 - 2 DATA LOCATION SERVING BAS EQUIPMENT. COORDINATE FINAL LOCATION WITH TEMPERATURE CONTROLS CONTRACTOR.

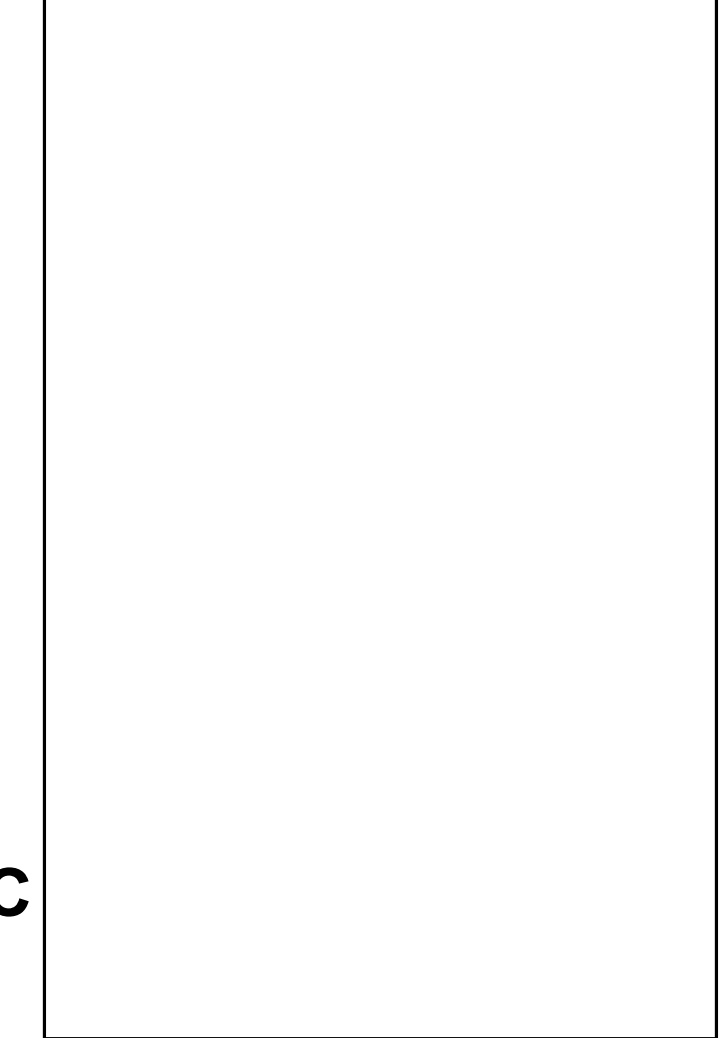


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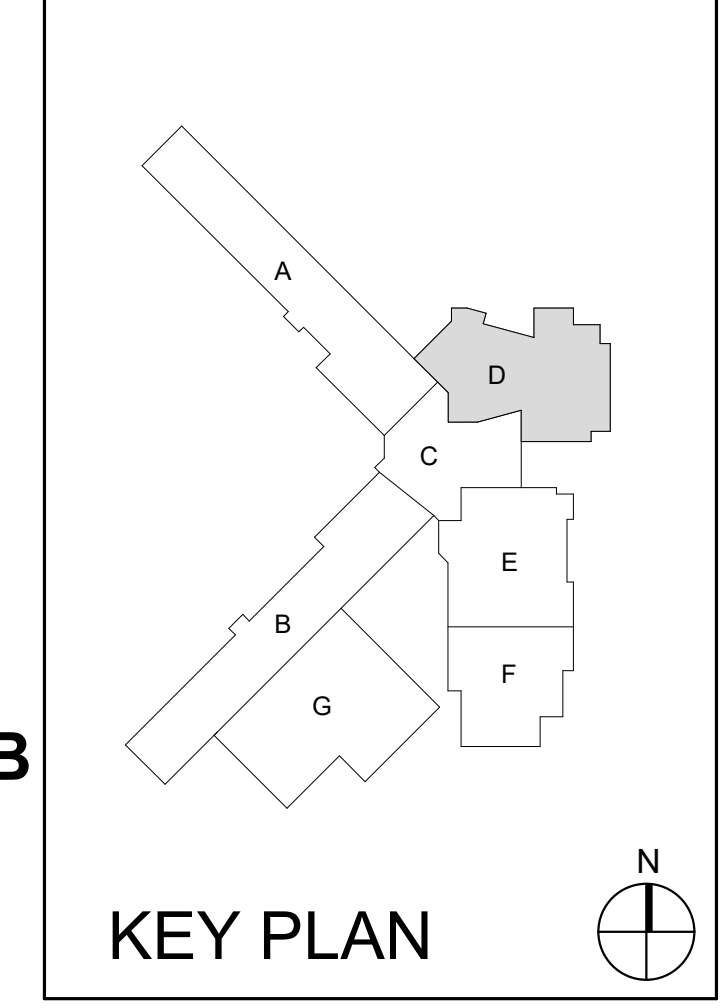


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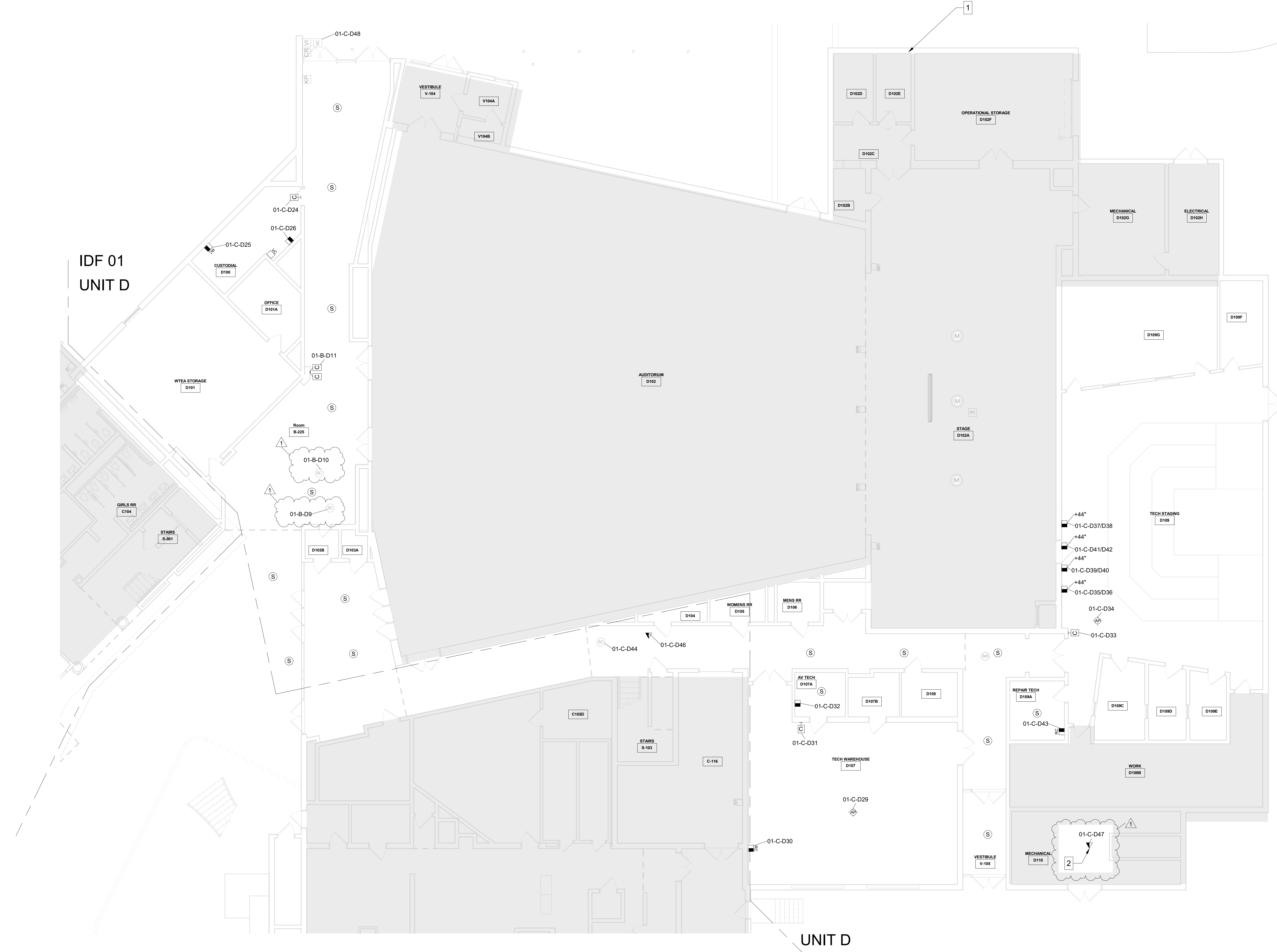
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|---|--------------|------------|
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FIRST FLOOR TECHNOLOGY PLAN - UNIT D
 T201D



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

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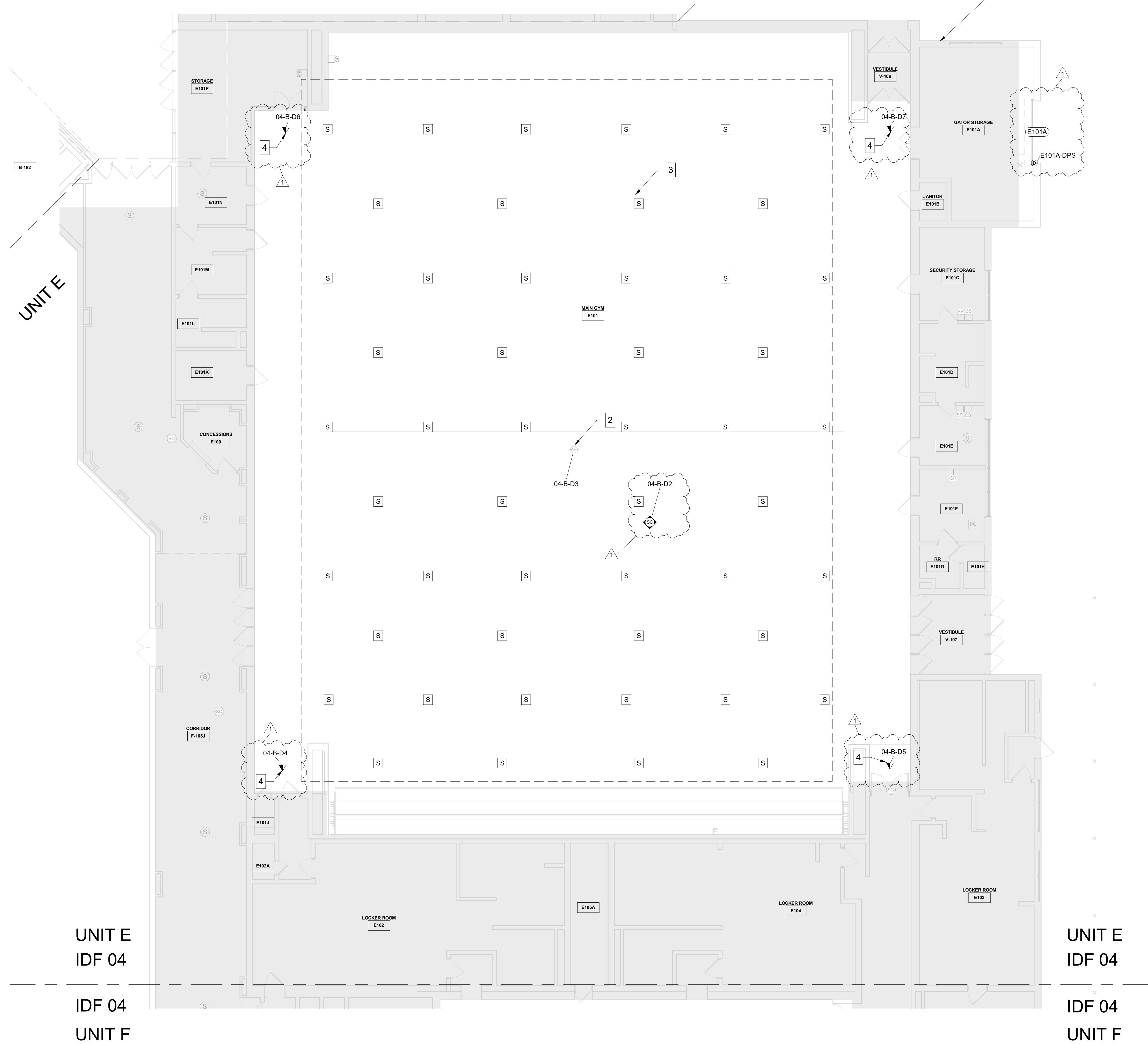
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- GENERAL HORIZONTAL CABLING NOTES**
- A MINIMUM CATEGORY 6A COMPLIANT 4-PAIR UNSHIELDED TWISTED PAIR (UTP) ALL HORIZONTAL CABLING MUST BE PLENUM RATED.
 - B MANUFACTURER CERTIFIED INCLUDING THE MINIMUM PERFORMANCE AND APPLICATIONS WARRANTY.
 - C PAINTING OF THE STRUCTURED CABLING WILL VOID THE WARRANTY. ENSURE PROPER COORDINATION WITH PAINTING CONTRACTOR SO THAT ALL STRUCTURED CABLING IS PROTECTED PRIOR TO ANY PAINTING.
 - D PROVIDE A MINIMUM 10 FOOT MAINTENANCE LOOP ON EACH HORIZONTAL CABLING RUN. MAINTENANCE LOOPS SHALL BE STORED ABOVE ACCESSIBLE CEILINGS, IN CABLE TRAY, AND IN TELECOMMUNICATION ROOM CABLE TRAY. CABLING ABOVE CEILING SHALL BE SUSPENDED FROM APPROPRIATE SUPPORTS AND SHALL NOT TOUCH THE CEILING.
 - E ALL PNP/PAIR ASSIGNMENTS SHALL BE T568B.
 - F REFER TO SPECIFICATION SECTION 27 15 13 FOR CABLE JACKET COLOR REQUIREMENTS
 - G LABELING SHALL BE COMPLETED AS DEFINED IN THE CONTRACT DOCUMENTS AND SHALL BE COORDINATED WITH THE OWNER.
 - H PROVIDE ALL TELECOMMUNICATION OUTLETS AS SHOWN ON THE DRAWINGS AND AS REQUIRED TO PROVIDE CONNECTIONS FOR EACH DEVICE SHOWN ON THE DRAWINGS.
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- TECHNOLOGY LEGEND**
- DATA LOCATION - SURFACE MOUNTED
 - DATA LOCATION - FLUSH MOUNTED
 - DATA RACEWAY - SURFACE MOUNTED
 - DATA RACEWAY - FLUSH MOUNTED
 - DATA RE-CABLE LOCATION - SURFACE MOUNTED
 - DIGITAL SIGNAGE LOCATION - FLUSH MOUNTED
 - MONITOR LOCATION - FLUSH MOUNTED
 - MONITOR LOCATION - SURFACE MOUNTED
 - POWER POLE LOCATION
 - PROJECTOR LOCATION
 - SHORT THROW PROJECTOR LOCATION
 - TEACHER STATION LOCATION - SURFACE MOUNTED
 - WALL PHONE LOCATION - FLUSH MOUNTED
 - WALL PHONE LOCATION - SURFACE MOUNTED
 - WIRELESS ACCESS POINT - CEILING MOUNTED
 - AV INPUT LOCATION - SURFACE MOUNTED
 - AV INPUT LOCATION - FLUSH MOUNTED
 - AV CONTROL LOCATION - FLUSH MOUNTED
 - AV CONTROL LOCATION - SURFACE MOUNTED
 - AV RACK LOCATION
 - BLUETOOTH RECEIVER ANTENNA LOCATION - FLUSH MOUNTED
 - BLUETOOTH RECEIVER ANTENNA LOCATION - SURFACE MOUNTED
 - CALL SWITCH LOCATION - SURFACE MOUNTED
 - CLOCK LOCATION - SURFACE MOUNTED
 - DUAL SIDED CLOCK LOCATION - SURFACE MOUNTED
 - HEARING ASSISTANCE ANTENNA LOCATION
 - IR MICROPHONE LOCATION
 - PAGING SPEAKER - CEILING MOUNTED
 - PROGRAM SPEAKER - CEILING MOUNTED
 - PROGRAM SPEAKER - PENDANT MOUNTED
 - PROGRAM SPEAKER - SURFACE MOUNTED
 - TOUCH PANEL LOCATION - FLUSH MOUNTED
 - TOUCH PANEL LOCATION - SURFACE MOUNTED
 - ROOM SCHEDULER - FLUSH MOUNTED
 - ROOM SCHEDULER - SURFACE MOUNTED
 - WIRELESS MICROPHONE ANTENNA
 - VOLUME CONTROL - FLUSH MOUNTED
 - VOLUME CONTROL - SURFACE MOUNTED
 - CARD READER LOCATION
 - CARD READER LOCATION - MULLION MOUNTED
 - DOOR POSITION SWITCH LOCATION
 - AUDIO INTERCOM DOOR STATION LOCATION
 - VIDEO INTERCOM DOOR STATION LOCATION
 - MOTION SENSOR - SURFACE MOUNTED
 - MOTION SENSOR - CEILING MOUNTED
 - INTRUSION DETECTION KEYPAD LOCATION
 - DURESS BUTTON LOCATION
 - DOOR RELEASE BUTTON
 - VIDEO INTERCOM ANSWERING STATION - DESK MOUNTED
 - SECURITY CAMERA - CEILING MOUNTED
 - SECURITY CAMERA - WALL MOUNTED

- SHEET NOTES**
- 1 SHADED AREA OUTSIDE OF CONSTRUCTION SCOPE. ALL DEVICES WITHIN REGION SHALL BE PROTECTED IN PLACE THROUGH CONSTRUCTION.
 - 2 CONTRACTOR SHALL REINSTALL EXISTING WAP AND ASSOCIATED CABLING AT SAME LOCATION WITHIN ROOM. PROVIDE JUNCTION BOX AND CABLING SUPPORTS AS REQUIRED.
 - 3 CONTRACTOR SHALL INSTALL EXISTING SPEAKERS WITHIN THE NEW CEILING.
 - 4 DATA LOCATION SERVING BAS EQUIPMENT. COORDINATE FINAL LOCATION WITH TEMPERATURE CONTROL'S CONTRACTOR.



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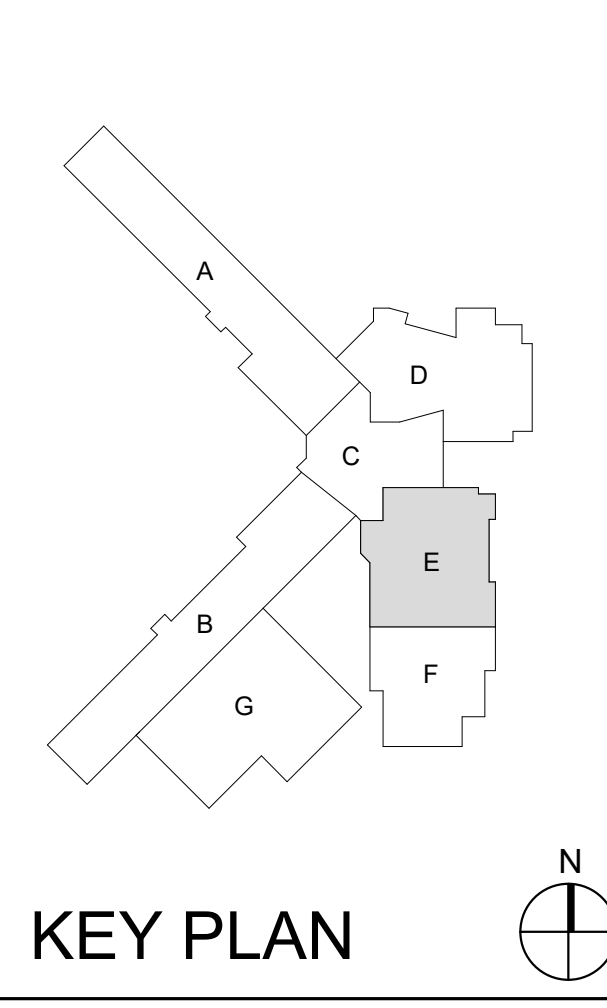


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M.S.D. of Washington Township
 WASHINGTON TOWNSHIP SCHOOLS
 SERVICE CENTER RENOVATION - PHASE 6B

FIRST FLOOR TECHNOLOGY PLAN - UNIT E
 T201E

TITLE: FIRST FLOOR TECHNOLOGY PLAN - UNIT E
 PROJECT: M.S.D. OF WASHINGTON TOWNSHIP, SERVICE CENTER RENOVATION - PHASE 6B
 DRAWN: MJC MKD
 CHECKED: MJC MKD
 DATE: 08/22/2024

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

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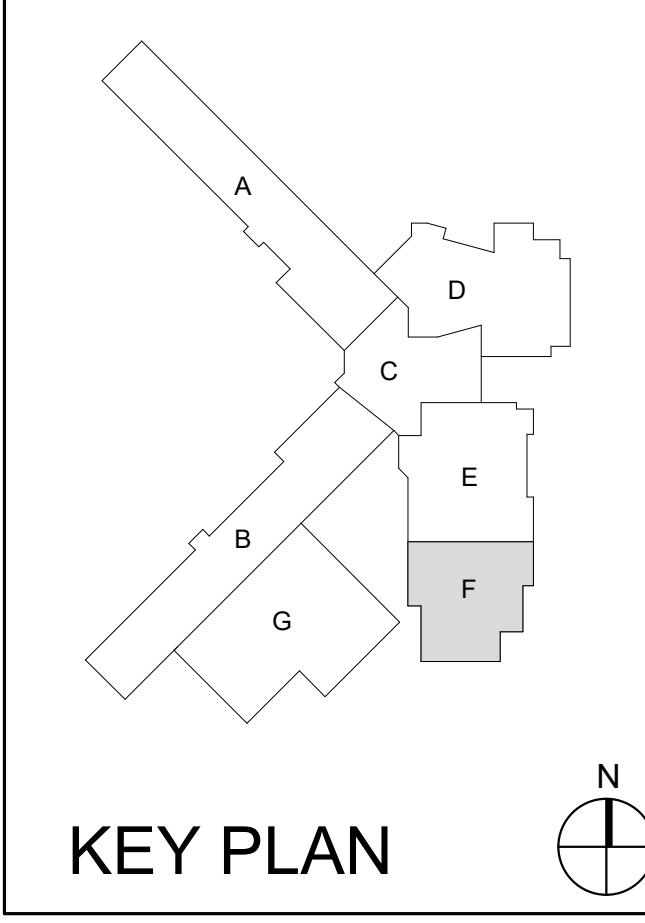
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SERVIC CENTER RENOVATION - PHASE 6B
 FIRST FLOOR TECHNOLOGY PLAN - UNIT F
 T201F

- ### GENERAL HORIZONTAL CABLING NOTES
- A MINIMUM CATEGORY 6A COMPLIANT 4-PAIR UNSHIELDED TWISTED PAIR (UTP). ALL HORIZONTAL CABLING MUST BE PLENUM RATED.
 - B MANUFACTURER CERTIFIED INCLUDING THE MINIMUM PERFORMANCE AND APPLICATIONS WARRANTY.
 - C PAINTING OF THE STRUCTURED CABLING WILL VOID THE WARRANTY. ENSURE PROPER COORDINATION WITH PAINTING CONTRACTOR SO THAT ALL STRUCTURED CABLING IS PROTECTED PRIOR TO ANY PAINTING.
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 - F REFER TO SPECIFICATION SECTION 27 15 13 FOR CABLE JACKET COLOR REQUIREMENTS
 - G LABELING SHALL BE COMPLETED AS DEFINED IN THE CONTRACT DOCUMENTS AND SHALL BE COORDINATED WITH THE OWNER.
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- ### TECHNOLOGY LEGEND
- [S] DATA LOCATION - SURFACE MOUNTED
 - [V] DATA LOCATION - FLUSH MOUNTED
 - [R] DATA RACEWAY - SURFACE MOUNTED
 - [RV] DATA RACEWAY - FLUSH MOUNTED
 - [S] DATA RE-CABLE LOCATION - SURFACE MOUNTED
 - [D] DIGITAL SIGNAGE LOCATION - FLUSH MOUNTED
 - [M] MONITOR LOCATION - FLUSH MOUNTED
 - [M] MONITOR LOCATION - SURFACE MOUNTED
 - [PP] POWER POLE LOCATION
 - [STP] PROJECTOR LOCATION
 - [STP] SHORT THROW PROJECTOR LOCATION
 - [TS] TEACHER STATION LOCATION - SURFACE MOUNTED
 - [W] WALL PHONE LOCATION - FLUSH MOUNTED
 - [W] WALL PHONE LOCATION - SURFACE MOUNTED
 - [WA] WIRELESS ACCESS POINT - CEILING MOUNTED
 - [AI] AV INPUT LOCATION - SURFACE MOUNTED
 - [AV] AV INPUT LOCATION - FLUSH MOUNTED
 - [AV] AV CONTROL LOCATION - FLUSH MOUNTED
 - [AV] AV CONTROL LOCATION - SURFACE MOUNTED
 - [AR] AV RACK LOCATION
 - [BA] BLUETOOTH RECEIVER ANTENNA LOCATION - FLUSH MOUNTED
 - [BA] BLUETOOTH RECEIVER ANTENNA LOCATION - SURFACE MOUNTED
 - [CS] CALL SWITCH LOCATION - SURFACE MOUNTED
 - [C] CLOCK LOCATION - SURFACE MOUNTED
 - [C] DUAL SIDED CLOCK LOCATION - SURFACE MOUNTED
 - [MA] HEARING ASSISTANCE ANTENNA LOCATION
 - [IR] IR MICROPHONE LOCATION
 - [S] PAGING SPEAKER - CEILING MOUNTED
 - [S] PROGRAM SPEAKER - CEILING MOUNTED
 - [S] PROGRAM SPEAKER - PENDANT MOUNTED
 - [SP] PROGRAM SPEAKER - SURFACE MOUNTED
 - [TP] TOUCH PANEL LOCATION - FLUSH MOUNTED
 - [TP] TOUCH PANEL LOCATION - SURFACE MOUNTED
 - [RS] ROOM SCHEDULER - FLUSH MOUNTED
 - [RS] ROOM SCHEDULER - SURFACE MOUNTED
 - [WMA] WIRELESS MICROPHONE ANTENNA
 - [VC] VOLUME CONTROL - FLUSH MOUNTED
 - [VC] VOLUME CONTROL - SURFACE MOUNTED
 - [CR] CARD READER LOCATION
 - [CR] CARD READER LOCATION - MULLION MOUNTED
 - [DS] DOOR POSITION SWITCH LOCATION
 - [AI] AUDIO INTERCOM DOOR STATION LOCATION
 - [VI] VIDEO INTERCOM DOOR STATION LOCATION
 - [MS] MOTION SENSOR - SURFACE MOUNTED
 - [MS] MOTION SENSOR - CEILING MOUNTED
 - [KIP] INTRUSION DETECTION KEYPAD LOCATION
 - [DB] DURESS BUTTON LOCATION
 - [DR] DOOR RELEASE BUTTON
 - [AS] VIDEO INTERCOM ANSWERING STATION - DESK MOUNTED
 - [SC] SECURITY CAMERA - CEILING MOUNTED
 - [SC] SECURITY CAMERA - WALL MOUNTED

- ### SHEET NOTES
- 1 SHADED AREA OUTSIDE OF CONSTRUCTION SCOPE. ALL DEVICES WITHIN REGION SHALL BE PROTECTED IN PLACE THROUGHOUT CONSTRUCTION.
 - 2 CONTRACTOR SHALL REINSTALL EXISTING WAP AND ASSOCIATED CABLING AT SAME LOCATION WITHIN ROOM. PROVIDE JUNCTION BOX AND CABLING SUPPORTS AS REQUIRED.
 - 3 CONTRACTOR SHALL INSTALL EXISTING SPEAKERS WITHIN THE NEW CEILING.
 - 4 APPROXIMATE ROUTING OF MINIMUM 2" UNDERGROUND CONDUIT FROM LIGHT POLE BASE TO EXISTING BASEMENT LEVEL TUNNEL.

UNIT E
 IDF 04
 IDF 04
 UNIT F

UNIT E
 IDF 04
 IDF 04
 UNIT F

FIRST FLOOR TECHNOLOGY PLAN - UNIT F
 1/8" = 1'-0"

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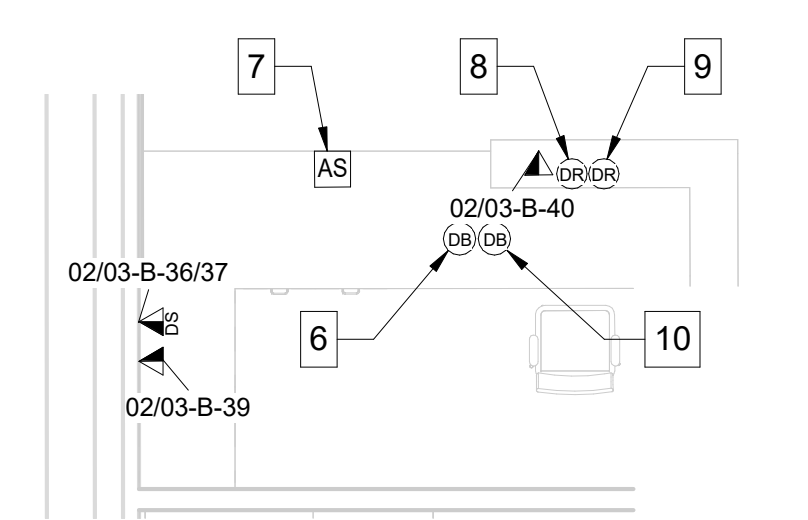
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DATE: 08/22/2024 10:44 AM
 PROJECT: 2019-067.OSC - PHASE 6B - SERVIC CENTER RENOVATION - PHASE 6B - CONSTRUCTION DOCUMENTS
 DRAWING: T201F - FIRST FLOOR TECHNOLOGY PLAN - UNIT F
 DESIGNED BY: MJC
 CHECKED BY: MKD
 APPROVED BY: MJC



- SHEET NOTES**
- SHADED AREA OUTSIDE OF CONSTRUCTION SCOPE. ALL DEVICES WITHIN REGION SHALL BE PROTECTED IN PLACE THROUGH CONSTRUCTION.
 - RE-INSTALL EXISTING SECURITY CAMERA REMOVED DURING DEMOLITION PHASE.
 - CEILING MOUNTED PROJECTOR SCREEN LOCATION
 - TIMELOCK LOCATION.
 - DEVICES WITHIN DASHED REGION ARE EXISTING TO REMAIN AND NOT BE RE-CABLED.
 - 911/LOCKDOWN DURESS BUTTON MOUNTED BELOW DESK. BUTTON SHALL BE LOCATED 12" FROM ADJACENT DURESS BUTTON AND MOUNTED SUCH THAT BUTTON PRESS IS AN UPWARD MOTION. REFER TO SECURITY DIAGRAMS AND DETAILS FOR CONNECTIVITY AND CABLING REQUIREMENTS. CONFIRM FINAL BUTTON LOCATION WITH OWNER'S SAFETY AND SECURITY DEPARTMENT PRIOR TO INSTALL. REFER TO SPECIFICATIONS FOR TEMPORARY LABELING REQUIREMENTS.
 - DESK MOUNTED VIDEO INTERCOM MASTER STATION. COORDINATE FINAL LOCATION ON DESK WITH OWNER. CONTRACTOR SHALL PROVIDE CATEGORY 6A PATCH CORD FROM DEVICE TO NEAREST DATA LOCATION. PROGRAM DEDICATED BUTTON TO RELEASE DOOR #1256.
- SHEET NOTES**
- DOOR RELEASE BUTTON MOUNTED BELOW TRANSACTION COUNTER TO RELEASE DOOR #1347. INSTALLATION. REFER TO SPECIFICATIONS FOR TEMPORARY LABELING REQUIREMENTS.
 - DOOR RELEASE BUTTON MOUNTED BELOW TRANSACTION COUNTER TO RELEASE DOOR #1256. CONFIRM FINAL LOCATION WITH OWNER PRIOR TO INSTALLATION. REFER TO SPECIFICATIONS FOR TEMPORARY LABELING REQUIREMENTS.
 - SECURE EXTERIOR DOORS DURESS BUTTON MOUNTED BELOW DESK. BUTTON SHALL BE LOCATED 12" FROM ADJACENT DURESS BUTTON AND MOUNTED SUCH THAT BUTTON PRESS IS AN UPWARD MOTION. REFER TO SECURITY DIAGRAMS AND DETAILS FOR CONNECTIVITY AND CABLING REQUIREMENTS. CONFIRM FINAL BUTTON LOCATION WITH OWNER'S SAFETY AND SECURITY DEPARTMENT PRIOR TO INSTALL. REFER TO SPECIFICATIONS FOR TEMPORARY LABELING REQUIREMENTS.
 - DATA LOCATION SERVING BAS EQUIPMENT. COORDINATE FINAL LOCATION WITH TEMPERATURE CONTROLS CONTRACTOR.

- GENERAL HORIZONTAL CABLING NOTES**
- MINIMUM CATEGORY 6A COMPLIANT 4-PAIR UNSHIELDED TWISTED PAIR (UTP). ALL HORIZONTAL CABLING MUST BE PLENUM RATED.
 - MANUFACTURER CERTIFIED INCLUDING THE MINIMUM PERFORMANCE AND APPLICATIONS WARRANTY.
 - PAINTING OF THE STRUCTURED CABLING WILL VOID THE WARRANTY. ENSURE PROPER COORDINATION WITH PAINTING CONTRACTOR SO THAT ALL STRUCTURED CABLING IS PROTECTED PRIOR TO ANY PAINTING.
 - PROVIDE A MINIMUM 10 FOOT MAINTENANCE LOOP ON EACH HORIZONTAL CABLING RUN. MAINTENANCE LOOPS SHALL BE STORED ABOVE ACCESSIBLE CEILINGS, IN CABLE TRAY, AND IN TELECOMMUNICATION ROOM CABLE TRAY. CABLING ABOVE CEILING SHALL BE SUSPENDED FROM APPROPRIATE SUPPORTS AND SHALL NOT TOUCH THE CEILING.
 - ALL PIN/PAIR ASSIGNMENTS SHALL BE 1568B.
 - REFER TO SPECIFICATION SECTION 27 15 13 FOR CABLE JACKET COLOR REQUIREMENTS.
 - LABELING SHALL BE COMPLETED AS DEFINED IN THE CONTRACT DOCUMENTS AND SHALL BE COORDINATED WITH THE OWNER.
 - PROVIDE ALL TELECOMMUNICATION OUTLETS AS SHOWN ON THE DRAWINGS AND AS REQUIRED TO PROVIDE CONNECTIONS FOR EACH DEVICE SHOWN ON THE DRAWINGS.
 - ALL TESTING OF HORIZONTAL CABLING SHALL BE COMPLETED AS DIRECTED BY THE PROJECT SPECIFICATIONS. ALL CABLING MUST BE TESTED AND CERTIFIED TO THE APPLICABLE STANDARDS.

- TECHNOLOGY LEGEND**
- DATA LOCATION - SURFACE MOUNTED
 - DATA LOCATION - FLUSH MOUNTED
 - DATA RACEWAY - SURFACE MOUNTED
 - DATA RACEWAY - FLUSH MOUNTED
 - DATA RE-CABLE LOCATION - SURFACE MOUNTED
 - DIGITAL SIGNAGE LOCATION - FLUSH MOUNTED
 - MONITOR LOCATION - FLUSH MOUNTED
 - MONITOR LOCATION - SURFACE MOUNTED
 - POWER POLE LOCATION
 - PROJECTOR LOCATION
 - SHORT THROW PROJECTOR LOCATION
 - TEACHER STATION LOCATION - SURFACE MOUNTED
 - WALL PHONE LOCATION - FLUSH MOUNTED
 - WALL PHONE LOCATION - SURFACE MOUNTED
 - WIRELESS ACCESS POINT - CEILING MOUNTED
 - AV INPUT LOCATION - SURFACE MOUNTED
 - AV INPUT LOCATION - FLUSH MOUNTED
 - AV CONTROL LOCATION - FLUSH MOUNTED
 - AV CONTROL LOCATION - SURFACE MOUNTED
 - AV RACK LOCATION
 - BLUETOOTH RECEIVER ANTENNA LOCATION - FLUSH MOUNTED
 - BLUETOOTH RECEIVER ANTENNA LOCATION - SURFACE MOUNTED
 - CALL SWITCH LOCATION - SURFACE MOUNTED
 - CLOCK LOCATION - SURFACE MOUNTED
 - DUAL SIDED CLOCK LOCATION - SURFACE MOUNTED
 - HEARING ASSISTANCE ANTENNA LOCATION
 - IR MICROPHONE LOCATION
 - PAGING SPEAKER - CEILING MOUNTED
 - PROGRAM SPEAKER - PENDANT MOUNTED
 - PROGRAM SPEAKER - SURFACE MOUNTED
 - TOUCH PANEL LOCATION - FLUSH MOUNTED
 - TOUCH PANEL LOCATION - SURFACE MOUNTED
 - ROOM SCHEDULER - FLUSH MOUNTED
 - ROOM SCHEDULER - SURFACE MOUNTED
 - WIRELESS MICROPHONE ANTENNA
 - VOLUME CONTROL - FLUSH MOUNTED
 - VOLUME CONTROL - SURFACE MOUNTED
 - CARD READER LOCATION
 - CARD READER LOCATION - MULLION MOUNTED
 - DOOR POSITION SWITCH LOCATION
 - AUDIO INTERCOM DOOR STATION LOCATION
 - VIDEO INTERCOM DOOR STATION LOCATION
 - MOTION SENSOR - SURFACE MOUNTED
 - MOTION SENSOR - CEILING MOUNTED
 - INTRUSION DETECTION KEYPAD LOCATION
 - DURESS BUTTON LOCATION
 - DOOR RELEASE BUTTON
 - VIDEO INTERCOM ANSWERING STATION - DESK MOUNTED
 - SECURITY CAMERA - CEILING MOUNTED
 - SECURITY CAMERA - WALL MOUNTED

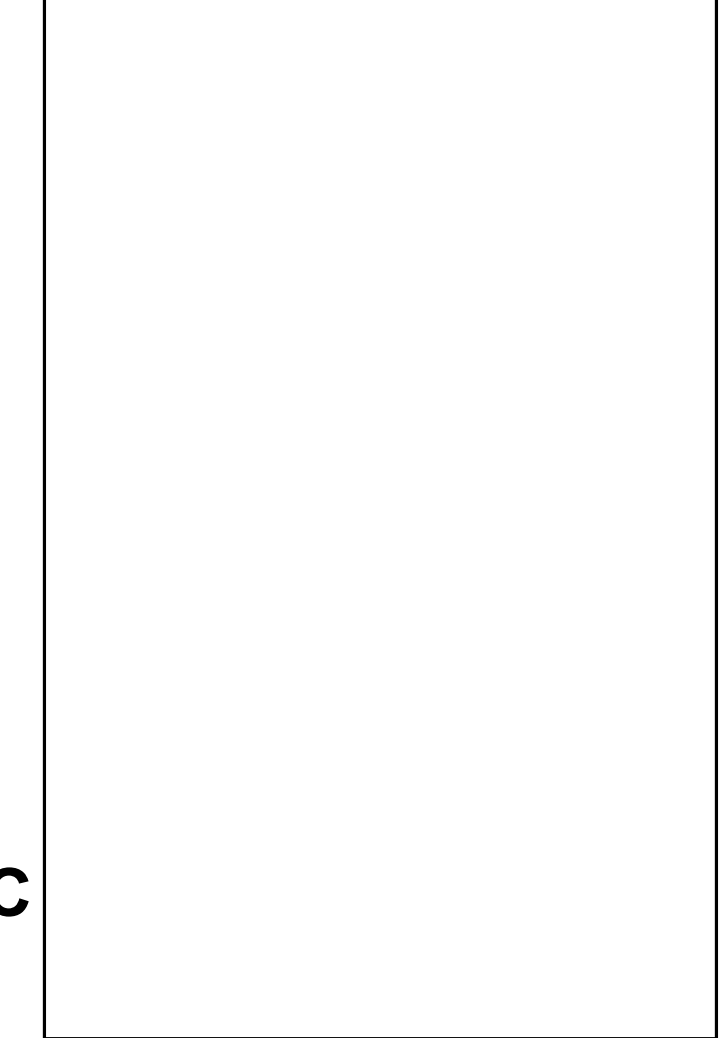


Project No. 2019-067.OSC
Project Date 07.31.2024
Produced MJC MKD

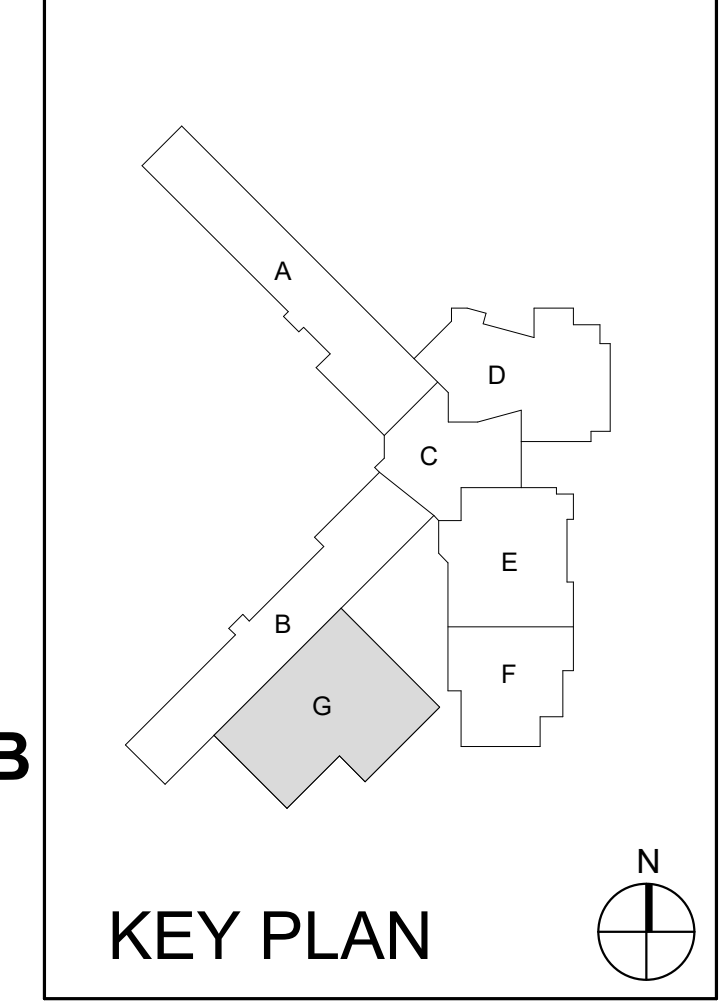


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| # | Revision | Date |
|---|--------------|------------|
| 1 | Addendum #01 | 08/22/2024 |



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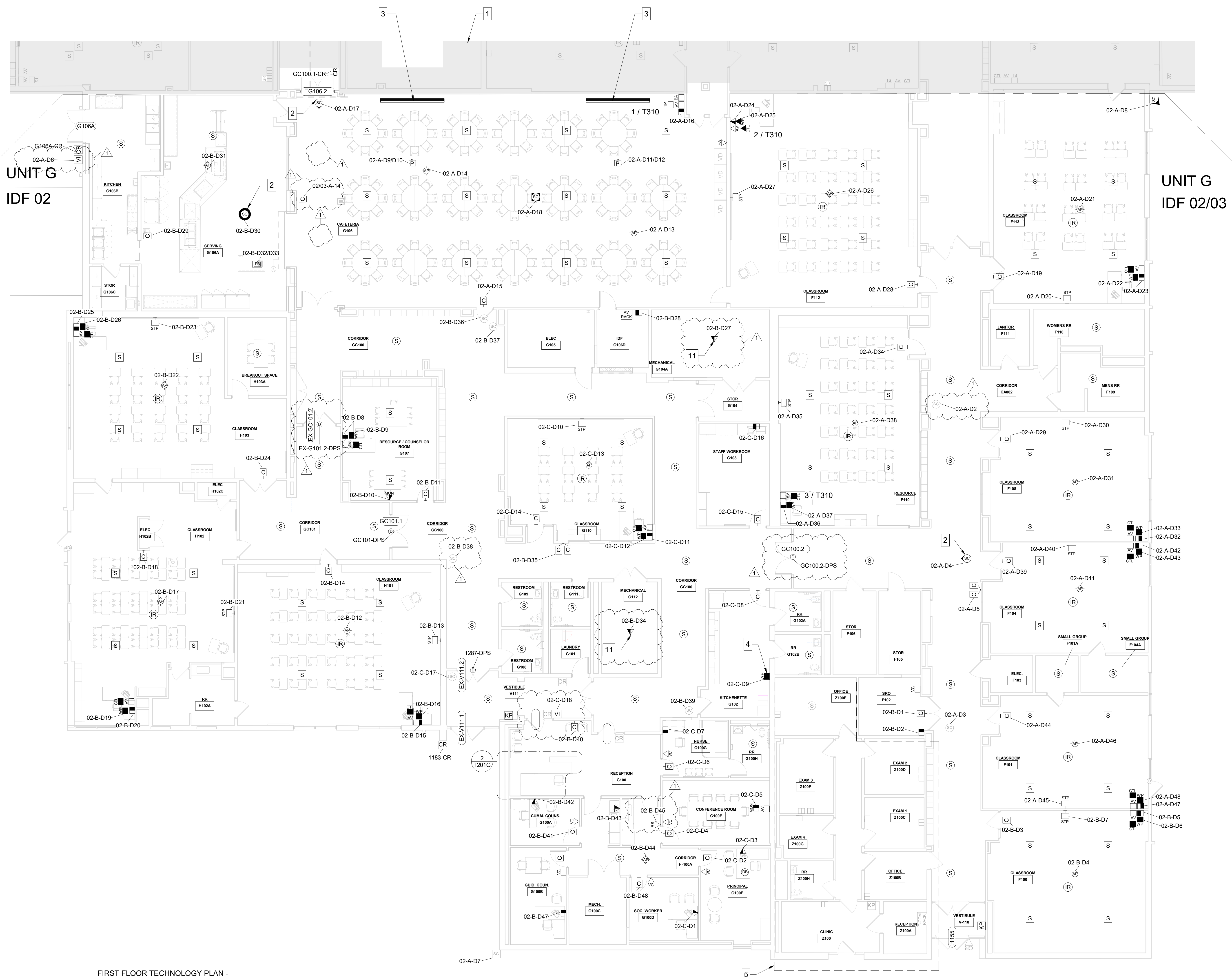


M.S.D. of Washington Township



SERVICE CENTER RENOVATION - PHASE 6B

FIRST FLOOR TECHNOLOGY PLAN - UNIT G
T201G



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SHEET NOTES

- 1 SHADED AREA OUTSIDE OF CONSTRUCTION SCOPE. ALL DEVICES WITHIN REGION SHALL BE PROTECTED IN PLACE THROUGH CONSTRUCTION.
- 2 DATA LOCATION SERVING BAS EQUIPMENT. COORDINATE FINAL LOCATION WITH TEMPERATURE CONTROLS CONTRACTOR.

TECHNOLOGY LEGEND

| | |
|--|--|
| ■ DATA LOCATION - SURFACE MOUNTED | Ⓞ DUAL SIDED CLOCK LOCATION - SURFACE MOUNTED |
| ▼ DATA LOCATION - FLUSH MOUNTED | Ⓜ HEARING ASSISTANCE ANTENNA LOCATION |
| SR DATA RACEWAY - SURFACE MOUNTED | Ⓜ IR MICROPHONE LOCATION |
| ▼ DATA RACEWAY - FLUSH MOUNTED | Ⓜ PAGING SPEAKER - CEILING MOUNTED |
| AC DATA RE-CABLE LOCATION - SURFACE MOUNTED | Ⓜ PROGRAM SPEAKER - CEILING MOUNTED |
| SP DIGITAL SIGNAGE LOCATION - FLUSH MOUNTED | Ⓜ PROGRAM SPEAKER - SURFACE MOUNTED |
| MON MONITOR LOCATION - FLUSH MOUNTED | Ⓜ TOUCH PANEL LOCATION - FLUSH MOUNTED |
| MON MONITOR LOCATION - SURFACE MOUNTED | Ⓜ TOUCH PANEL LOCATION - SURFACE MOUNTED |
| PP POWER POLE LOCATION | Ⓜ ROOM SCHEDULER - FLUSH MOUNTED |
| P PROJECTOR LOCATION | Ⓜ ROOM SCHEDULER - SURFACE MOUNTED |
| STP SHORT THROW PROJECTOR LOCATION | Ⓜ WIRELESS MICROPHONE ANTENNA |
| TS TEACHER STATION LOCATION - SURFACE MOUNTED | Ⓜ VOLUME CONTROL - FLUSH MOUNTED |
| W WALL PHONE LOCATION - FLUSH MOUNTED | Ⓜ VOLUME CONTROL - SURFACE MOUNTED |
| W WALL PHONE LOCATION - SURFACE MOUNTED | CR CARD READER LOCATION |
| WA WIRELESS ACCESS POINT - CEILING MOUNTED | Ⓜ CARD READER LOCATION - MULLION MOUNTED |
| AV IN/OUT LOCATION - SURFACE MOUNTED | Ⓜ DOOR POSITION SWITCH LOCATION |
| AV IN/OUT LOCATION - FLUSH MOUNTED | AI AUDIO INTERCOM DOOR STATION LOCATION |
| AV CONTROL LOCATION - FLUSH MOUNTED | VI VIDEO INTERCOM DOOR STATION LOCATION |
| AV CONTROL LOCATION - SURFACE MOUNTED | MS MOTION SENSOR - SURFACE MOUNTED |
| AV RACK LOCATION | MS MOTION SENSOR - CEILING MOUNTED |
| BA BLUETOOTH RECEIVER ANTENNA LOCATION - FLUSH MOUNTED | KP INTRUSION DETECTION KEYPAD LOCATION |
| BA BLUETOOTH RECEIVER ANTENNA LOCATION - SURFACE MOUNTED | DB DURESS BUTTON LOCATION |
| CS CALL SWITCH LOCATION - SURFACE MOUNTED | DR DOOR RELEASE BUTTON |
| C CLOCK LOCATION - SURFACE MOUNTED | AS VIDEO INTERCOM ANSWERING STATION - DESK MOUNTED |
| | SC SECURITY CAMERA - CEILING MOUNTED |
| | SW SECURITY CAMERA - WALL MOUNTED |

GENERAL HORIZONTAL CABLING NOTES

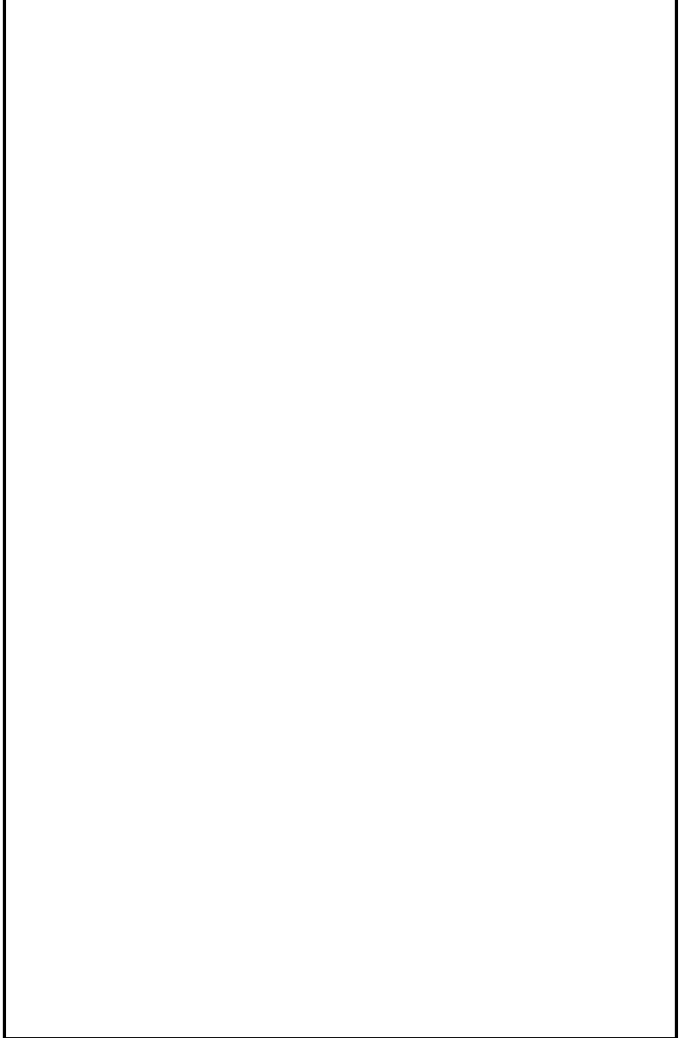
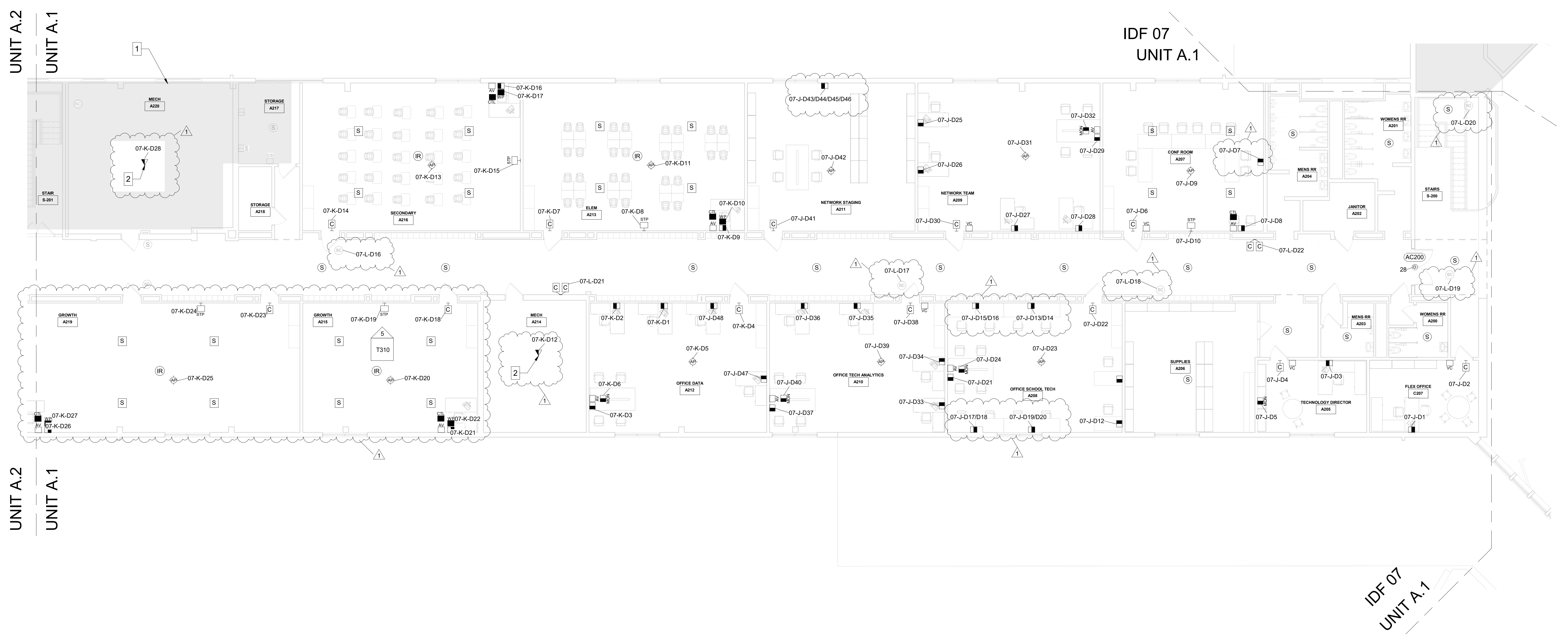
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- ALL PINPAIR ASSIGNMENTS SHALL BE T568B.
- REFER TO SPECIFICATION SECTION 27 15 13 FOR CABLE JACKET COLOR REQUIREMENTS.
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Project No. 2019-067.OSC
 Project Date 07.31.2024
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 Indianapolis, IN 46240

KEY PLAN

M.S.D. of Washington Township

WASHINGTON TOWNSHIP SCHOOLS

SERVICE CENTER RENOVATION - PHASE 6B

SECOND FLOOR TECHNOLOGY PLAN - UNIT A1
T202A1

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SECOND FLOOR TECHNOLOGY PLAN - UNIT A1
 1/8" = 1'-0"

DATE: 08/22/2024 10:48:00 AM
 PROJECT: 2019-067.OSC - PHASE 6B - SERVICE CENTER RENOVATION - PHASE 6B
 DRAWN BY: MJC
 CHECKED BY: MJC
 APPROVED BY: MJC

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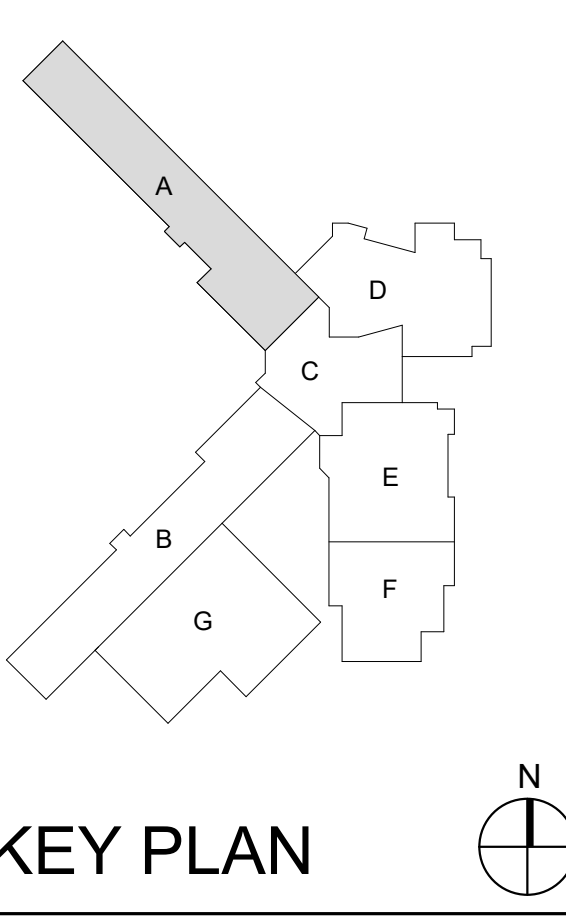
Project No. 2019-067.OSC
Project Date 07.31.2024
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M.S.D. of Washington Township



SERVIC CENTER RENOVATION - PHASE 6B

SECOND FLOOR TECHNOLOGY PLAN - UNIT A2
T202A2

GENERAL HORIZONTAL CABLING NOTES

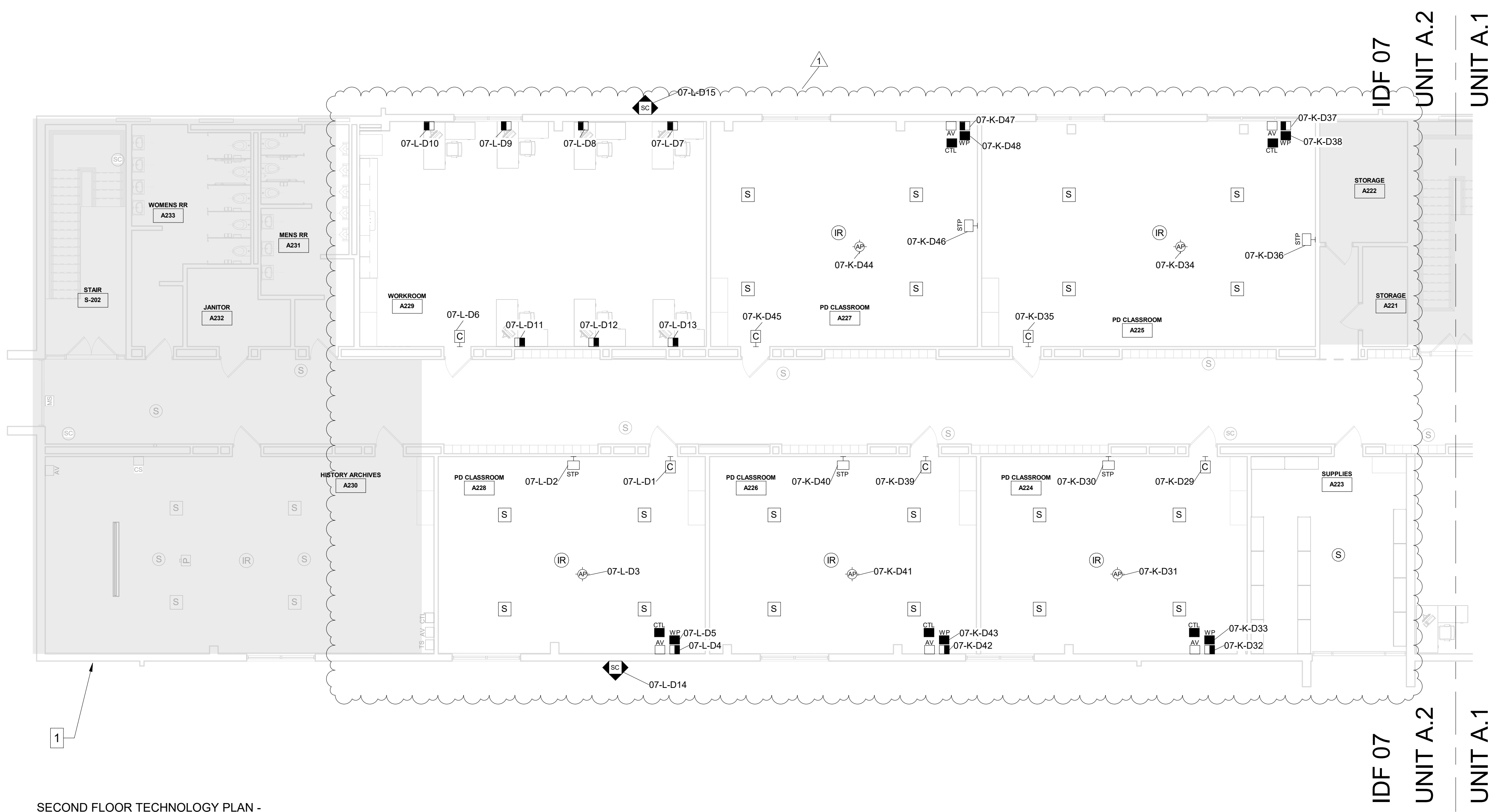
- A MINIMUM CATEGORY 6A COMPLIANT 4-PAIR UNSHIELDED TWISTED PAIR (UTP) ALL HORIZONTAL CABLING MUST BE PLENUM RATED
- B MANUFACTURER CERTIFIED INCLUDING THE MINIMUM PERFORMANCE AND APPLICATIONS WARRANTY.
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- E ALL PINGPAIR ASSIGNMENTS SHALL BE T568B.
- F REFER TO SPECIFICATION SECTION 27 15 13 FOR CABLE JACKET COLOR REQUIREMENTS
- G LABELING SHALL BE COMPLETED AS DEFINED IN THE CONTRACT DOCUMENTS AND SHALL BE COORDINATED WITH THE OWNER.
- H PROVIDE ALL TELECOMMUNICATION OUTLETS AS SHOWN ON THE DRAWINGS AND AS REQUIRED TO PROVIDE CONNECTIONS FOR EACH DEVICE SHOWN ON THE DRAWINGS.
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TECHNOLOGY LEGEND

- DATA LOCATION - SURFACE MOUNTED
- DATA LOCATION - FLUSH MOUNTED
- DATA RACEWAY - SURFACE MOUNTED
- DATA RACEWAY - FLUSH MOUNTED
- DATA RE-CABLE LOCATION - SURFACE MOUNTED
- DIGITAL SIGNAGE LOCATION - FLUSH MOUNTED
- MONITOR LOCATION - FLUSH MOUNTED
- MONITOR LOCATION - SURFACE MOUNTED
- POWER POLE LOCATION
- PROJECTOR LOCATION
- SHORT THROW PROJECTOR LOCATION
- TEACHER STATION LOCATION - SURFACE MOUNTED
- WALL PHONE LOCATION - FLUSH MOUNTED
- WALL PHONE LOCATION - SURFACE MOUNTED
- WIRELESS ACCESS POINT - CEILING MOUNTED
- AV INPUT LOCATION - SURFACE MOUNTED
- AV INPUT LOCATION - FLUSH MOUNTED
- AV CONTROL LOCATION - FLUSH MOUNTED
- AV CONTROL LOCATION - SURFACE MOUNTED
- AV RACK LOCATION
- BLUETOOTH RECEIVER ANTENNA LOCATION - FLUSH MOUNTED
- BLUETOOTH RECEIVER ANTENNA LOCATION - SURFACE MOUNTED
- CALL SWITCH LOCATION - SURFACE MOUNTED
- CLOCK LOCATION - SURFACE MOUNTED
- DUAL SIDED CLOCK LOCATION - SURFACE MOUNTED
- HEARING ASSISTANCE ANTENNA LOCATION
- IR MICROPHONE LOCATION
- PAGING SPEAKER - CEILING MOUNTED
- PROGRAM SPEAKER - CEILING MOUNTED
- PROGRAM SPEAKER - PENDANT MOUNTED
- PROGRAM SPEAKER - SURFACE MOUNTED
- TOUCH PANEL LOCATION - FLUSH MOUNTED
- TOUCH PANEL LOCATION - SURFACE MOUNTED
- ROOM SCHEDULER - FLUSH MOUNTED
- ROOM SCHEDULER - SURFACE MOUNTED
- WIRELESS MICROPHONE ANTENNA
- VOLUME CONTROL - FLUSH MOUNTED
- VOLUME CONTROL - SURFACE MOUNTED
- CARD READER LOCATION
- CARD READER LOCATION - MULLION MOUNTED
- DOOR POSITION SWITCH LOCATION
- AUDIO INTERCOM DOOR STATION LOCATION
- VIDEO INTERCOM DOOR STATION LOCATION
- MOTION SENSOR - SURFACE MOUNTED
- MOTION SENSOR - CEILING MOUNTED
- INTRUSION DETECTION KEYPAD LOCATION
- DURESS BUTTON LOCATION
- DOOR RELEASE BUTTON
- VIDEO INTERCOM ANSWERING STATION - DESK MOUNTED
- SECURITY CAMERA - CEILING MOUNTED
- SECURITY CAMERA - WALL MOUNTED

SHEET NOTES

- 1 SHADED AREA OUTSIDE OF CONSTRUCTION SCOPE. ALL DEVICES WITHIN REGION SHALL BE PROTECTED IN PLACE THROUGH CONSTRUCTION.



SECOND FLOOR TECHNOLOGY PLAN - UNIT A2
1/8" = 1'-0"

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

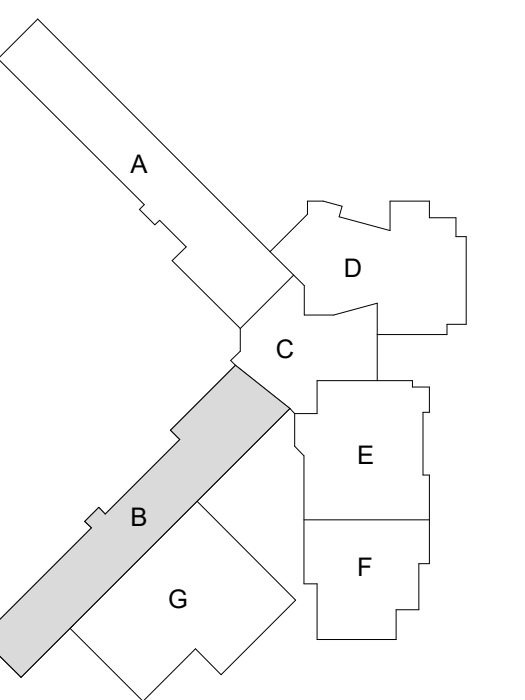
Project No. 2019-067.OSC
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KEY PLAN

M.S.D. of
Washington
Township



WASHINGTON TOWNSHIP SCHOOLS
SERVISE CENTER RENOVATION - PHASE 6B

SECOND FLOOR TECHNOLOGY PLAN - UNIT B1
T202B1

GENERAL HORIZONTAL CABLING NOTES

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TECHNOLOGY LEGEND

- D DATA LOCATION - SURFACE MOUNTED
- D DATA LOCATION - FLUSH MOUNTED
- DR DATA RACEWAY - SURFACE MOUNTED
- DRS DATA RACEWAY - FLUSH MOUNTED
- DRF DATA RE-CABLE LOCATION - SURFACE MOUNTED
- DRFS DATA RE-CABLE LOCATION - FLUSH MOUNTED
- DS DIGITAL SIGNAGE LOCATION - FLUSH MOUNTED
- MS MONITOR LOCATION - FLUSH MOUNTED
- MSF MONITOR LOCATION - SURFACE MOUNTED
- PP POWER POLE LOCATION
- SP SHORT THROW PROJECTOR LOCATION
- TS TEACHER STATION LOCATION - SURFACE MOUNTED
- TSF WALL PHONE LOCATION - FLUSH MOUNTED
- TSF WALL PHONE LOCATION - SURFACE MOUNTED
- WA WIRELESS ACCESS POINT - CEILING MOUNTED
- AV AV INPUT LOCATION - SURFACE MOUNTED
- AVF AV INPUT LOCATION - FLUSH MOUNTED
- AVF AV CONTROL LOCATION - FLUSH MOUNTED
- AVF AV CONTROL LOCATION - SURFACE MOUNTED
- AR AV RACK LOCATION
- BA BLUETOOTH RECEIVER ANTENNA LOCATION - FLUSH MOUNTED
- BA BLUETOOTH RECEIVER ANTENNA LOCATION - SURFACE MOUNTED
- CS CALL SWITCH LOCATION - SURFACE MOUNTED
- CC CLOCK LOCATION - SURFACE MOUNTED
- DC DUAL SIDED CLOCK LOCATION - SURFACE MOUNTED
- HA HEARING ASSISTANCE ANTENNA LOCATION
- IR IR MICROPHONE LOCATION
- SPG PAGING SPEAKER - CEILING MOUNTED
- SPS PROGRAM SPEAKER - CEILING MOUNTED
- SPSF PROGRAM SPEAKER - SURFACE MOUNTED
- TPF TOUCH PANEL LOCATION - FLUSH MOUNTED
- TPSF TOUCH PANEL LOCATION - SURFACE MOUNTED
- RS ROOM SCHEDULER - FLUSH MOUNTED
- RSF ROOM SCHEDULER - SURFACE MOUNTED
- WMA WIRELESS MICROPHONE ANTENNA
- VV VOLUME CONTROL - FLUSH MOUNTED
- VVS VOLUME CONTROL - SURFACE MOUNTED
- CR CARD READER LOCATION
- CRM CARD READER LOCATION - MULLION MOUNTED
- DS DOOR POSITION SWITCH LOCATION
- AI AUDIO INTERCOM DOOR STATION LOCATION
- VV VIDEO INTERCOM DOOR STATION LOCATION
- MS MOTION SENSOR - SURFACE MOUNTED
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SECOND FLOOR TECHNOLOGY PLAN -
UNIT B1
1/8" = 1'-0"

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6 5 4 3 2 1

DATE: 08/22/2024
DRAWN BY: MJC
CHECKED BY: MKD
PROJECT NO: 2019-067.OSC
SHEET NO: T202B1
DESCRIPTION: SECOND FLOOR TECHNOLOGY PLAN - UNIT B1

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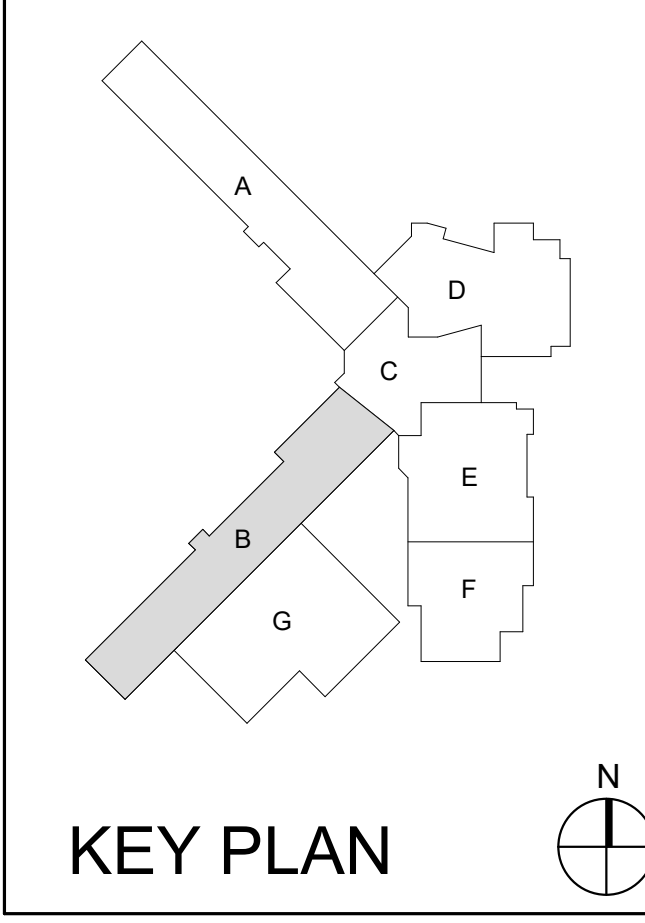
Project No. 2019-067.OSC
 Project Date 07.31.2024
 Produced MJC MKD



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| # | Revision | Date |
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| 1 | Addendum #01 | 08/22/2024 |

8401 Westfield Blvd
 Indianapolis, IN 46240

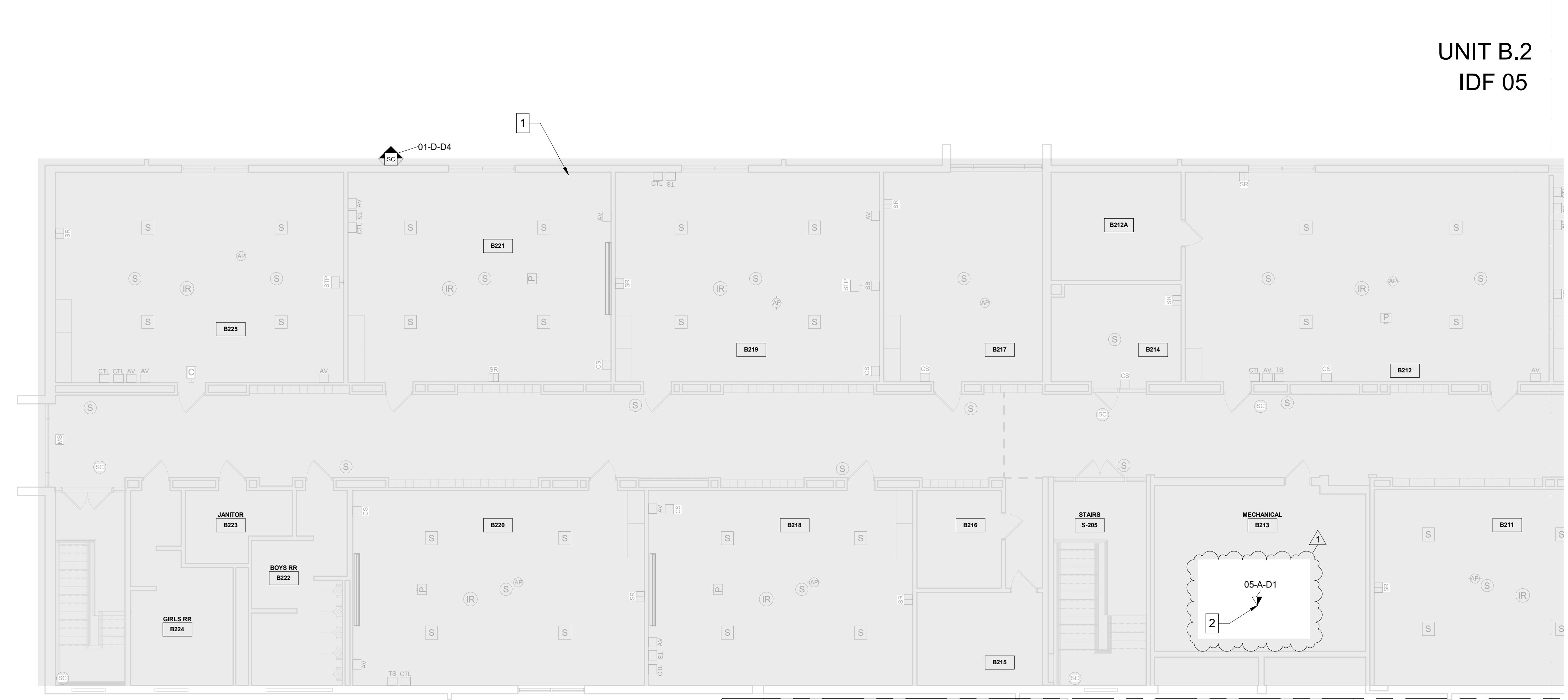


SERVIC CENTER RENOVATION - PHASE 6B
 SECOND FLOOR TECHNOLOGY PLAN - UNIT B2
 T202B2

- GENERAL HORIZONTAL CABLING NOTES**
- A MINIMUM CATEGORY 6A COMPLIANT 4-PAIR UNSHIELDED TWISTED PAIR (UTP). ALL HORIZONTAL CABLING MUST BE PLENUM RATED.
 - B MANUFACTURER CERTIFIED INCLUDING THE MINIMUM PERFORMANCE AND APPLICATIONS WARRANTY.
 - C PAINTING OF THE STRUCTURED CABLING WILL VOID THE WARRANTY. ENSURE PROPER COORDINATION WITH PAINTING CONTRACTOR SO THAT ALL STRUCTURED CABLING IS PROTECTED PRIOR TO ANY PAINTING.
 - D PROVIDE A MINIMUM 10 FOOT MAINTENANCE LOOP ON EACH HORIZONTAL CABLING RUN. MAINTENANCE LOOPS SHALL BE STORED ABOVE ACCESSIBLE CEILINGS, IN CABLE TRAY, AND IN TELECOMMUNICATION ROOM CABLE TRAY. CABLING ABOVE CEILING SHALL BE SUSPENDED FROM APPROPRIATE SUPPORTS AND SHALL NOT TOUCH THE CEILING.
 - E ALL PINPAIR ASSIGNMENTS SHALL BE T568B.
 - F REFER TO SPECIFICATION SECTION 27 15 13 FOR CABLE JACKET COLOR REQUIREMENTS
 - G LABELING SHALL BE COMPLETED AS DEFINED IN THE CONTRACT DOCUMENTS AND SHALL BE COORDINATED WITH THE OWNER.
 - H PROVIDE ALL TELECOMMUNICATION OUTLETS AS SHOWN ON THE DRAWINGS AND AS REQUIRED TO PROVIDE CONNECTIONS FOR EACH DEVICE SHOWN ON THE DRAWINGS.
 - I ALL TESTING OF HORIZONTAL CABLING SHALL BE COMPLETED AS DIRECTED BY THE PROJECT SPECIFICATIONS. ALL CABLING MUST BE TESTED AND CERTIFIED TO THE APPLICABLE STANDARDS.

- TECHNOLOGY LEGEND**
- DATA LOCATION - SURFACE MOUNTED
 - DATA LOCATION - FLUSH MOUNTED
 - DATA RACEWAY - SURFACE MOUNTED
 - DATA RACEWAY - FLUSH MOUNTED
 - DATA RE-CABLE LOCATION - SURFACE MOUNTED
 - DIGITAL SIGNAGE LOCATION - FLUSH MOUNTED
 - MONITOR LOCATION - FLUSH MOUNTED
 - MONITOR LOCATION - SURFACE MOUNTED
 - POWER POLE LOCATION
 - PROJECTOR LOCATION
 - SHORT THROW PROJECTOR LOCATION
 - TEACHER STATION LOCATION - SURFACE MOUNTED
 - WALL PHONE LOCATION - FLUSH MOUNTED
 - WALL PHONE LOCATION - SURFACE MOUNTED
 - WIRELESS ACCESS POINT - CEILING MOUNTED
 - AV INPUT LOCATION - SURFACE MOUNTED
 - AV INPUT LOCATION - FLUSH MOUNTED
 - AV CONTROL LOCATION - FLUSH MOUNTED
 - AV CONTROL LOCATION - SURFACE MOUNTED
 - AV RACK LOCATION
 - BLUETOOTH RECEIVER ANTENNA LOCATION - FLUSH MOUNTED
 - BLUETOOTH RECEIVER ANTENNA LOCATION - SURFACE MOUNTED
 - CALL SWITCH LOCATION - SURFACE MOUNTED
 - CLOCK LOCATION - SURFACE MOUNTED
 - DUAL SIDED CLOCK LOCATION - SURFACE MOUNTED
 - HEARING ASSISTANCE ANTENNA LOCATION
 - IR MICROPHONE LOCATION
 - PAGING SPEAKER - CEILING MOUNTED
 - PROGRAM SPEAKER - CEILING MOUNTED
 - PROGRAM SPEAKER - PENDANT MOUNTED
 - PROGRAM SPEAKER - SURFACE MOUNTED
 - TOUCH PANEL LOCATION - FLUSH MOUNTED
 - TOUCH PANEL LOCATION - SURFACE MOUNTED
 - ROOM SCHEDULER - FLUSH MOUNTED
 - ROOM SCHEDULER - SURFACE MOUNTED
 - WIRELESS MICROPHONE ANTENNA
 - VOLUME CONTROL - FLUSH MOUNTED
 - VOLUME CONTROL - SURFACE MOUNTED
 - CARD READER LOCATION
 - CARD READER LOCATION - MULLION MOUNTED
 - DOOR POSITION SWITCH LOCATION
 - AUDIO INTERCOM DOOR STATION LOCATION
 - VIDEO INTERCOM DOOR STATION LOCATION
 - MOTION SENSOR - SURFACE MOUNTED
 - MOTION SENSOR - CEILING MOUNTED
 - INTRUSION DETECTION KEYPAD LOCATION
 - DURESS BUTTON LOCATION
 - DOOR RELEASE BUTTON
 - VIDEO INTERCOM ANSWERING STATION - DESK MOUNTED
 - SECURITY CAMERA - CEILING MOUNTED
 - SECURITY CAMERA - WALL MOUNTED

- SHEET NOTES**
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 - 2 DATA LOCATION SERVING BAS EQUIPMENT. COORDINATE FINAL LOCATION WITH TEMPERATURE CONTROLS CONTRACTOR.



SECOND FLOOR TECHNOLOGY PLAN - UNIT B2
 1/8" = 1'-0"

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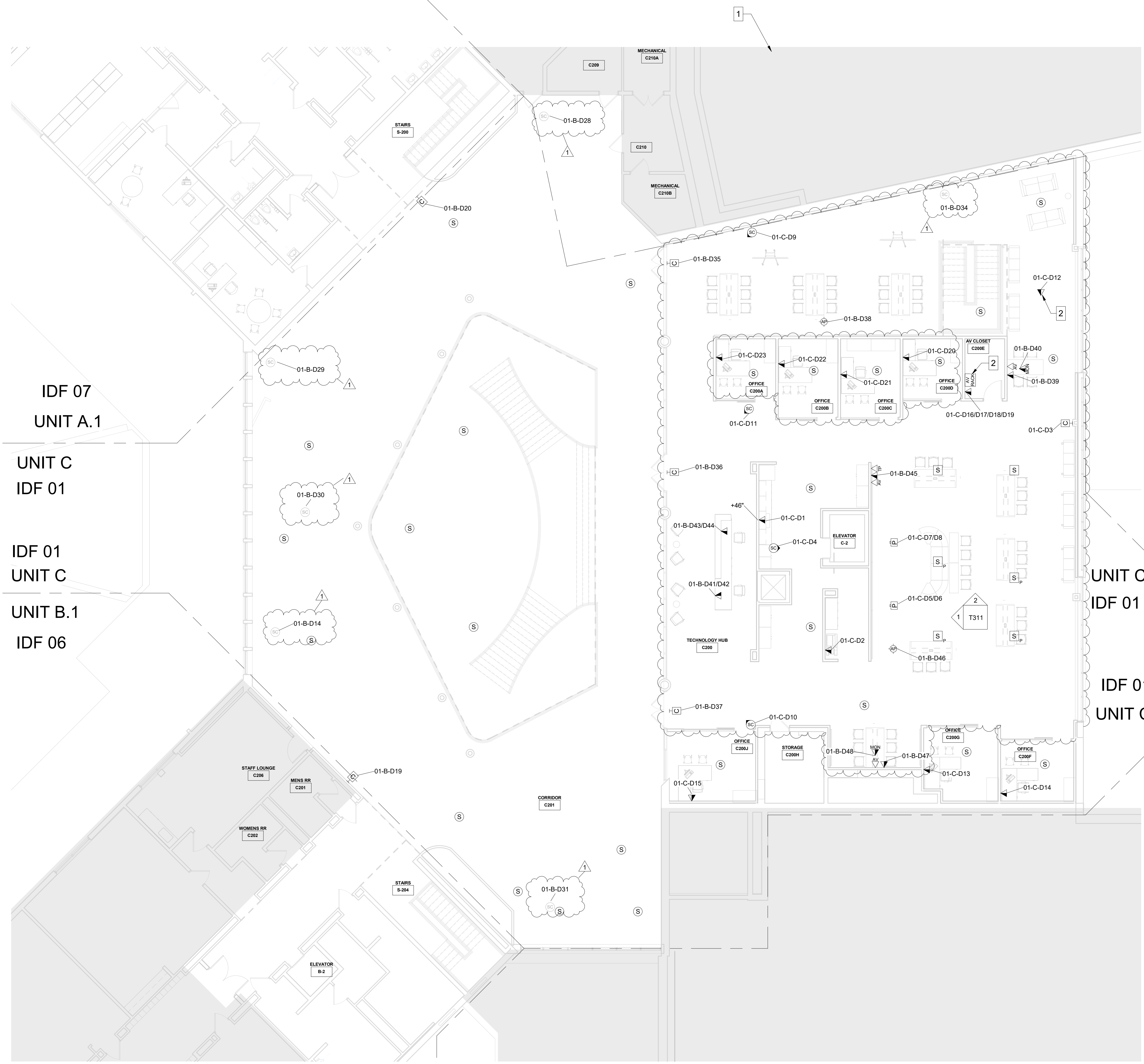
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100% SECOND FLOOR TECHNOLOGY PLAN - UNIT C
1/8" = 1'-0"



SECOND FLOOR TECHNOLOGY PLAN - UNIT C
1/8" = 1'-0"

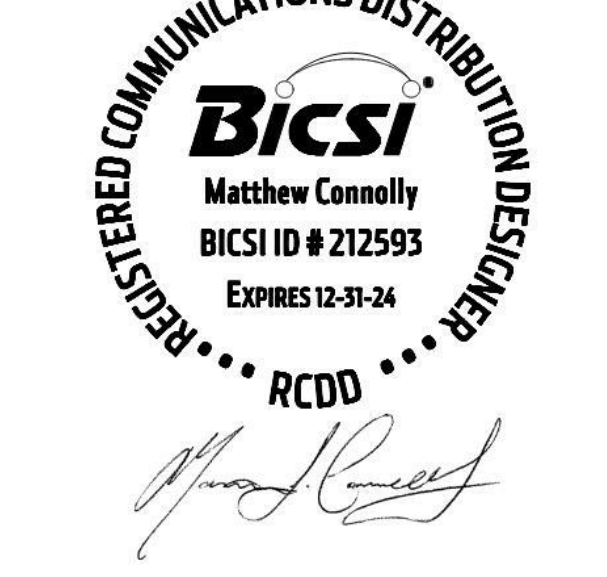
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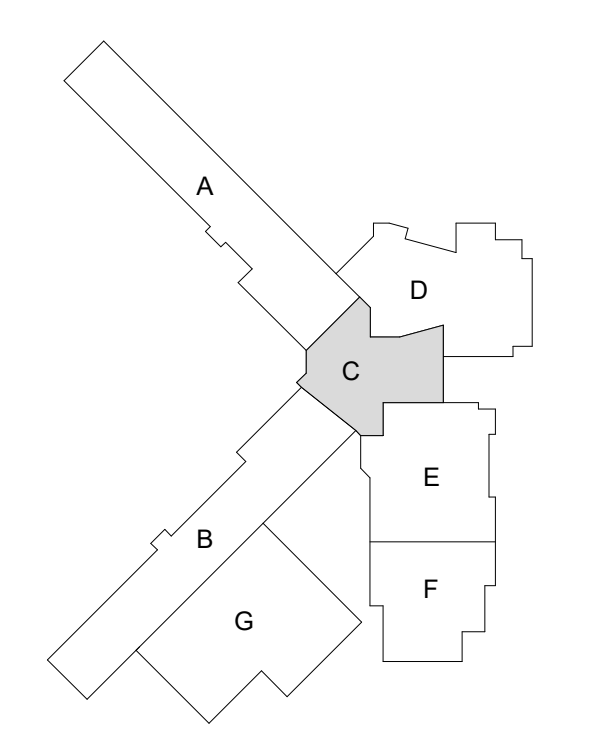
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Project Date 07.31.2024
Produced MJC MKD



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KEY PLAN

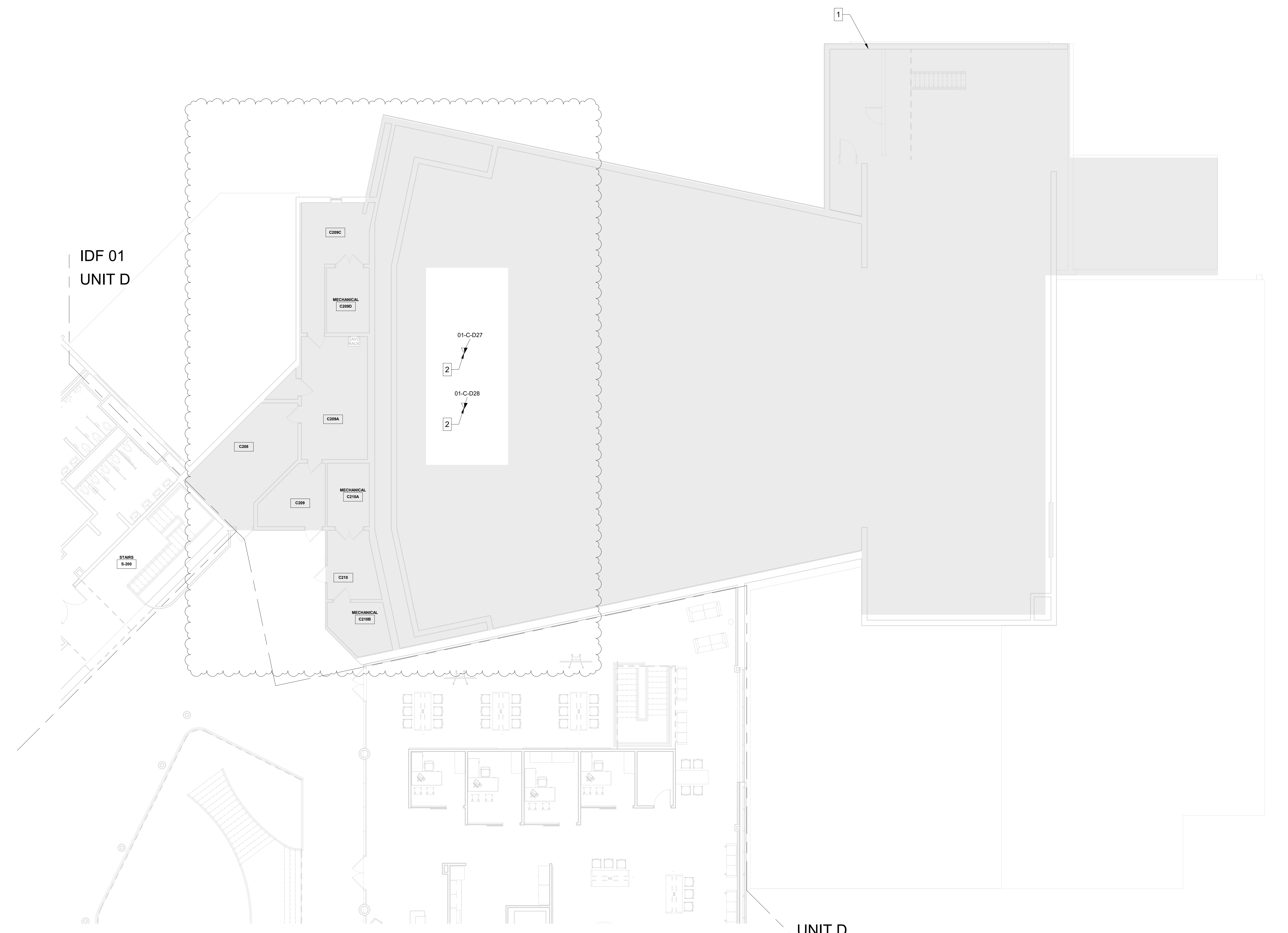


WASHINGTON TOWNSHIP SCHOOLS
SERVICE CENTER RENOVATION - PHASE 6B

SECOND FLOOR TECHNOLOGY PLAN - UNIT C
T202C

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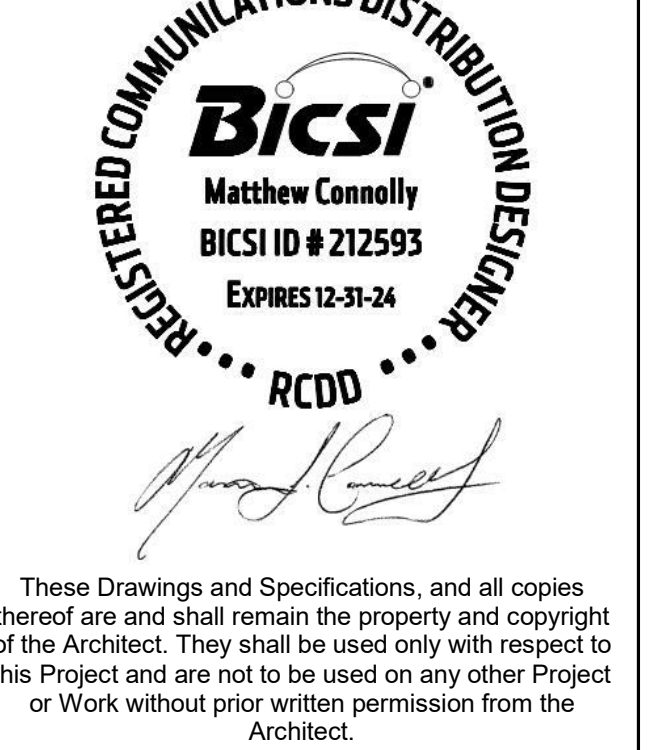
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 - SECURITY CAMERA - WALL MOUNTED

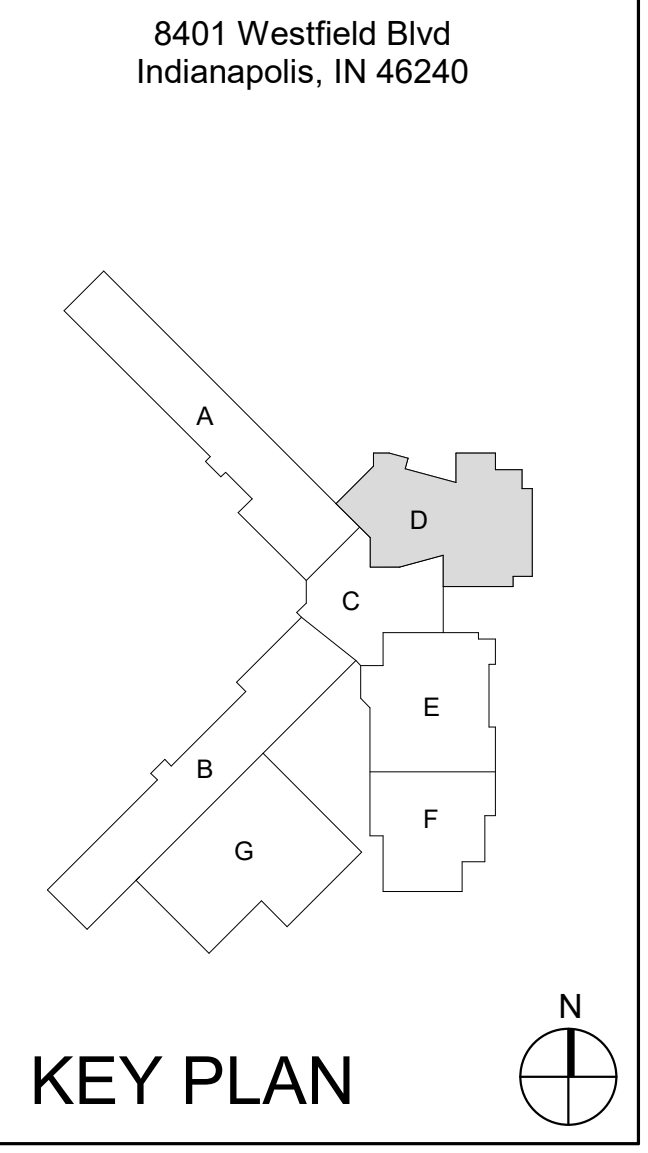
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SECOND FLOOR TECHNOLOGY PLAN - UNIT D
T202D

SECOND FLOOR TECHNOLOGY PLAN - UNIT D
1/8" = 1'-0"

6 5 4 3 2 1



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

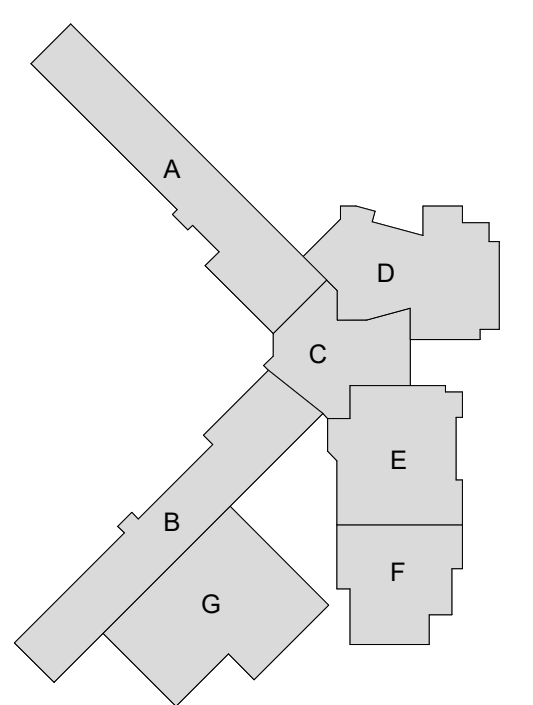
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| 1 | Addendum #01 | 08/22/2024 |

8401 Westfield Blvd
 Indianapolis, IN 46240



KEY PLAN

M.S.D. of
 Washington
 Township

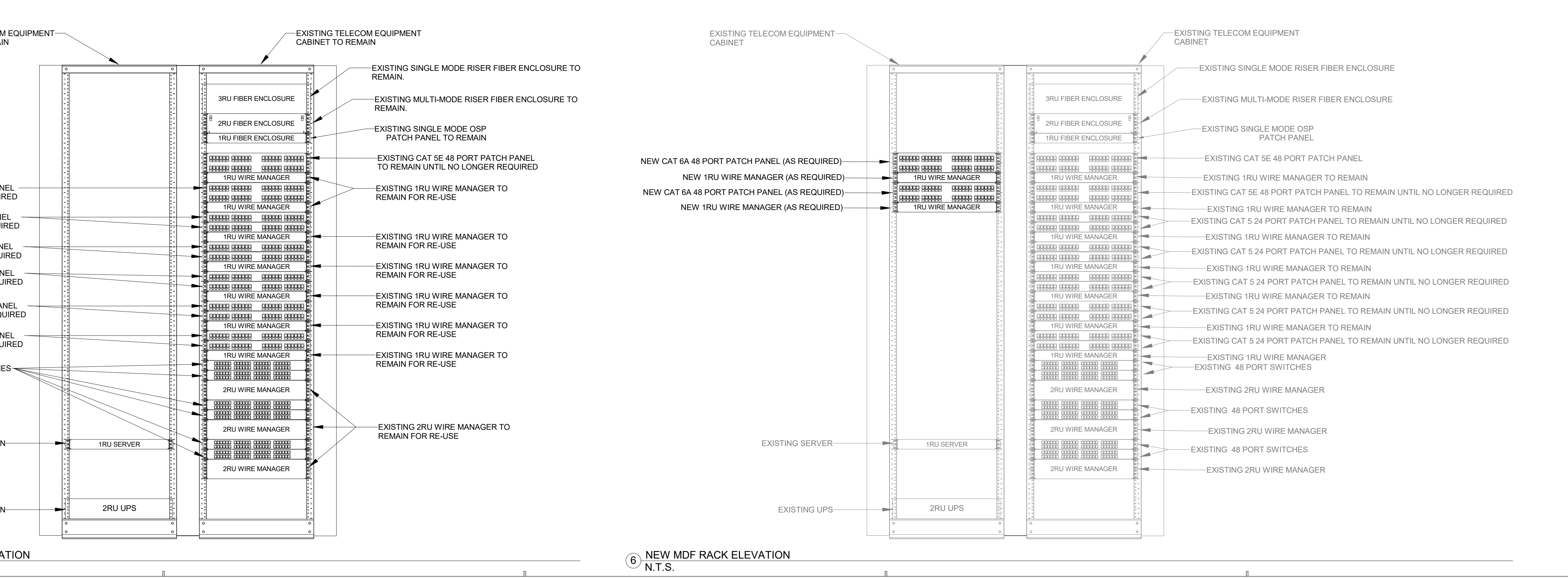
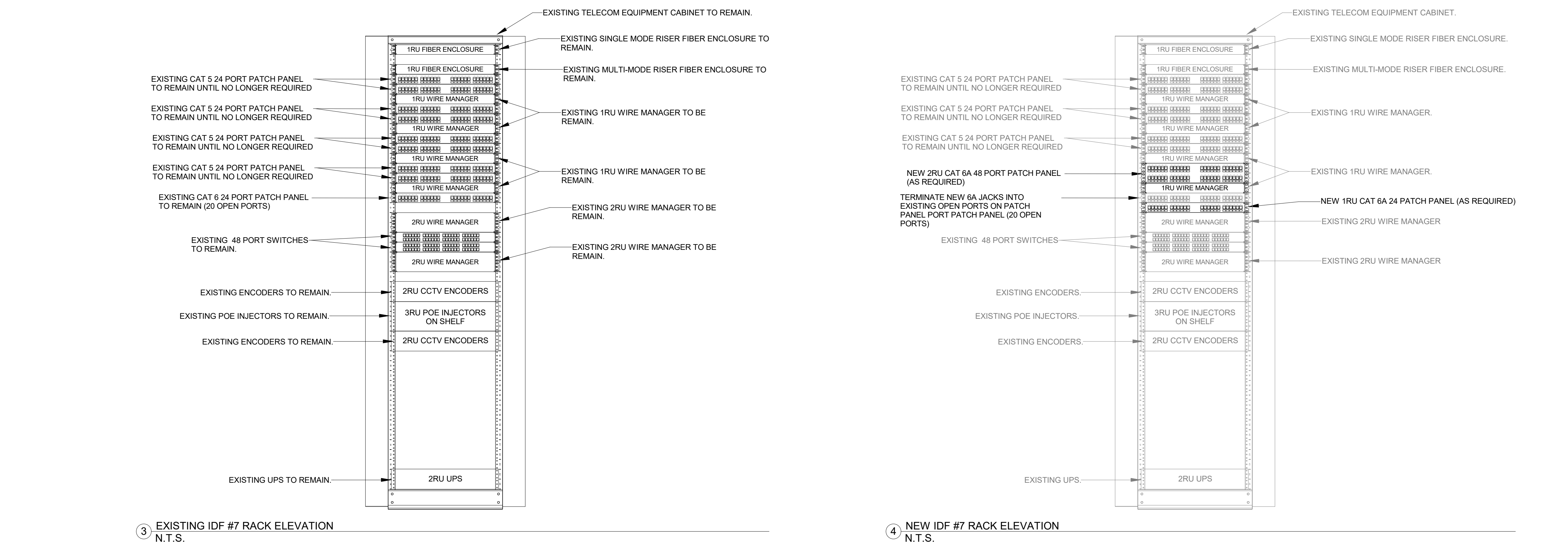
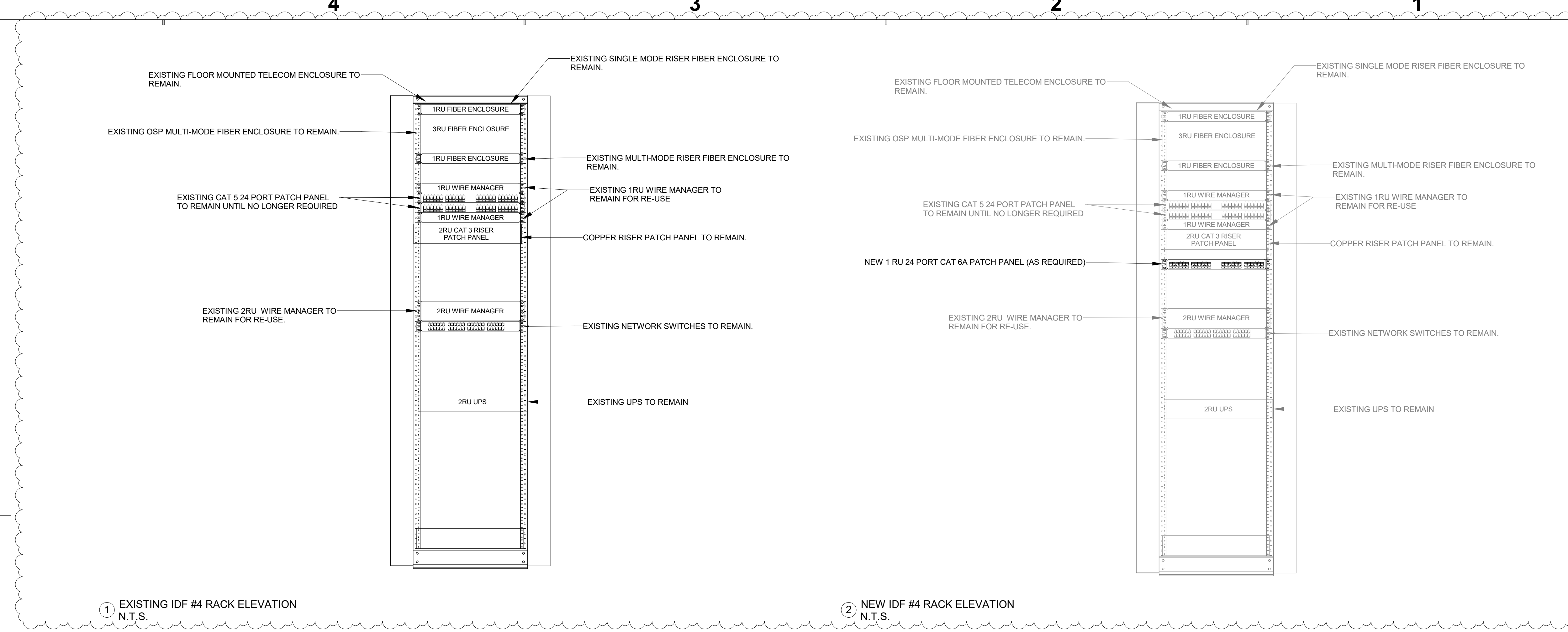


WASHINGTON TOWNSHIP SCHOOLS

SERVICE CENTER RENOVATION - PHASE 6B

RACK ELEVATIONS

T305



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THE ARCHITECT HAS CONDUCTED VISUAL GENERAL VERIFICATION OF THE EXISTING CONDITIONS SHOWN ON THESE DRAWINGS. VISUAL GENERAL VERIFICATION DOES NOT CONSTITUTE A PROFESSIONAL INSPECTION OR SURVEY. THE ARCHITECT HAS NOT CONDUCTED A PROFESSIONAL INSPECTION OR SURVEY TO VERIFY THE ACCURACY OF THE EXISTING CONDITIONS SHOWN ON THESE DRAWINGS. THE ARCHITECT HAS NOT CONDUCTED A PROFESSIONAL INSPECTION OR SURVEY TO VERIFY THE ACCURACY OF THE EXISTING CONDITIONS SHOWN ON THESE DRAWINGS. THE ARCHITECT HAS NOT CONDUCTED A PROFESSIONAL INSPECTION OR SURVEY TO VERIFY THE ACCURACY OF THE EXISTING CONDITIONS SHOWN ON THESE DRAWINGS.



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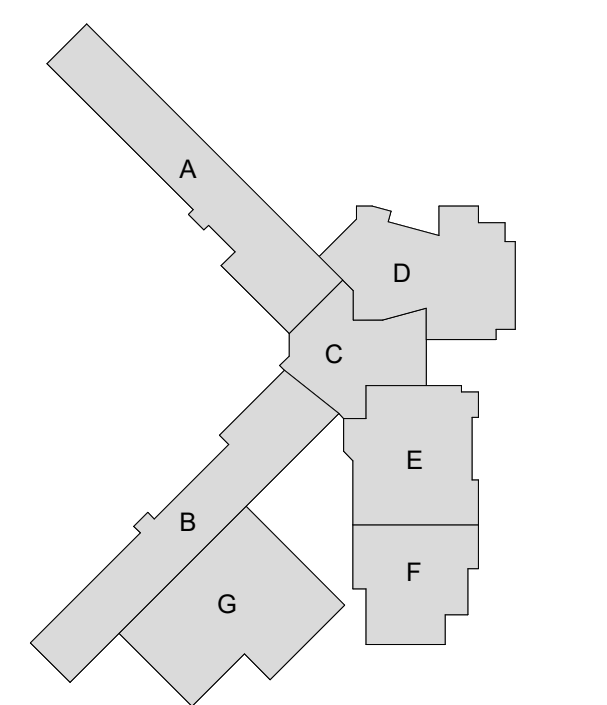
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KEY PLAN

M.S.D. of Washington Township

WASHINGTON TOWNSHIP SCHOOLS
 SERVICE CENTER RENOVATION - PHASE 6B

AV ELEVATIONS

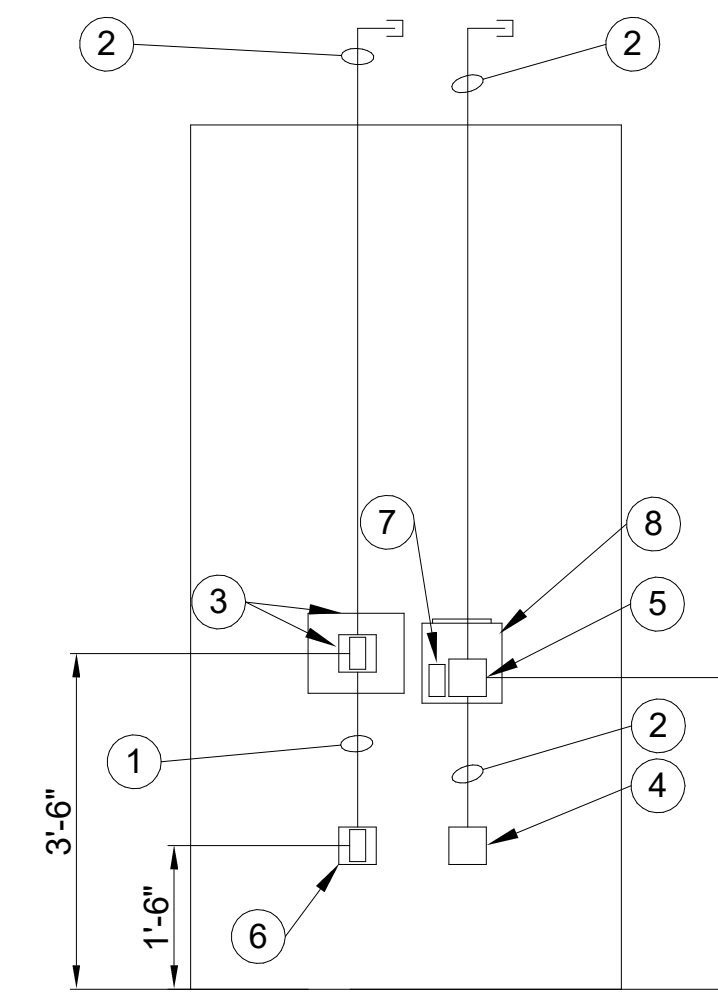
T310

GENERAL NOTES:

1. FIELD VERIFY EXACT LOCATIONS AND REQUIREMENTS WITH OWNER PRIOR TO ROUGH-IN.
2. ALL BOXES SHALL BE FLUSH MOUNTED WITH CONDUIT CONCEALED IN WALL.

NOTES:

- 1 1" CONDUIT STUBBED INTO BOX LOCATION ABOVE.
- 2 1 1/4" CONDUIT STUBBED TO ACCESSIBLE CEILING SPACE OF ROOM.
- 3 WALL PHONE LOCATION. REQUIRES MIN. 12"W X 9"H CLEAR AREA AROUND OUTLET FOR PHONE MOUNTING.
- 4 AV INPUT LOCATION.
- 5 AV CONTROL LOCATION. MIN. 10"W X 10"H CLEAR AREA AROUND OUTLET FOR ENCLOSURE MOUNTING.
- 6 DATA VOICE LOCATION.
- 7 ELECTRICAL OUTLET BEHIND RECEIVER - REFER TO E-SERIES FOR REQUIREMENTS
- 8 O.F.O.I. IR MICROPHONE RECEIVER - WALL MOUNTED



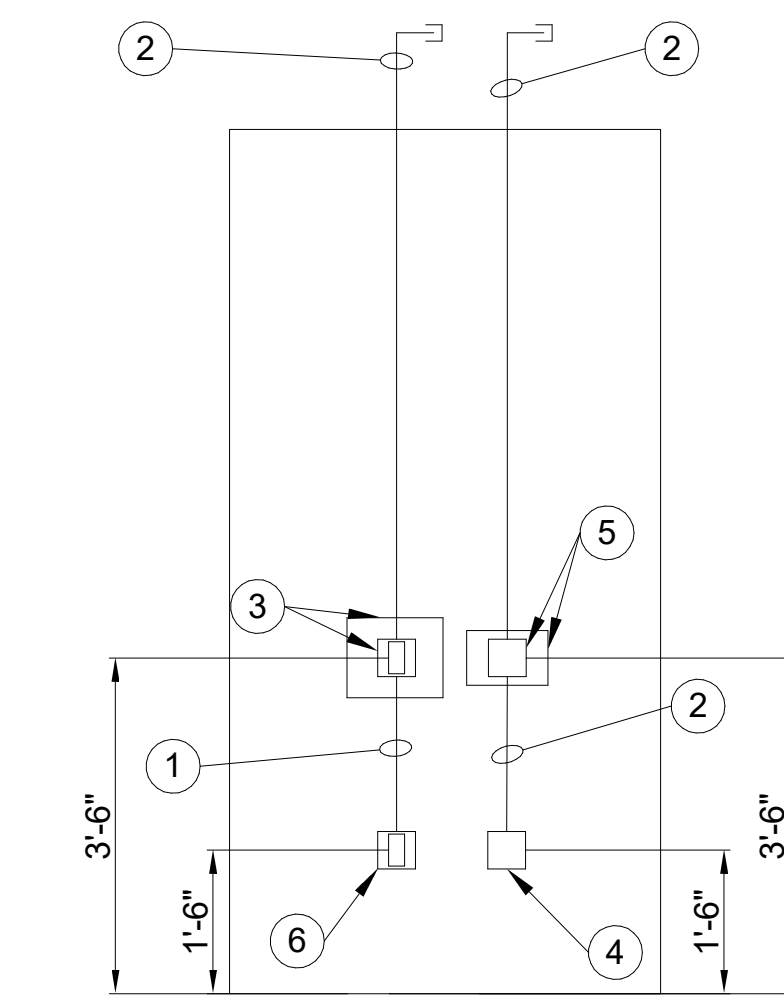
CLASSROOM ELEVATION - TEACHER AREA FLUSH MOUNTED WITH AV INPUT
 N.T.S.

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- 5 TOUCHSCREEN LOCATION.
- 6 DATA VOICE LOCATION.



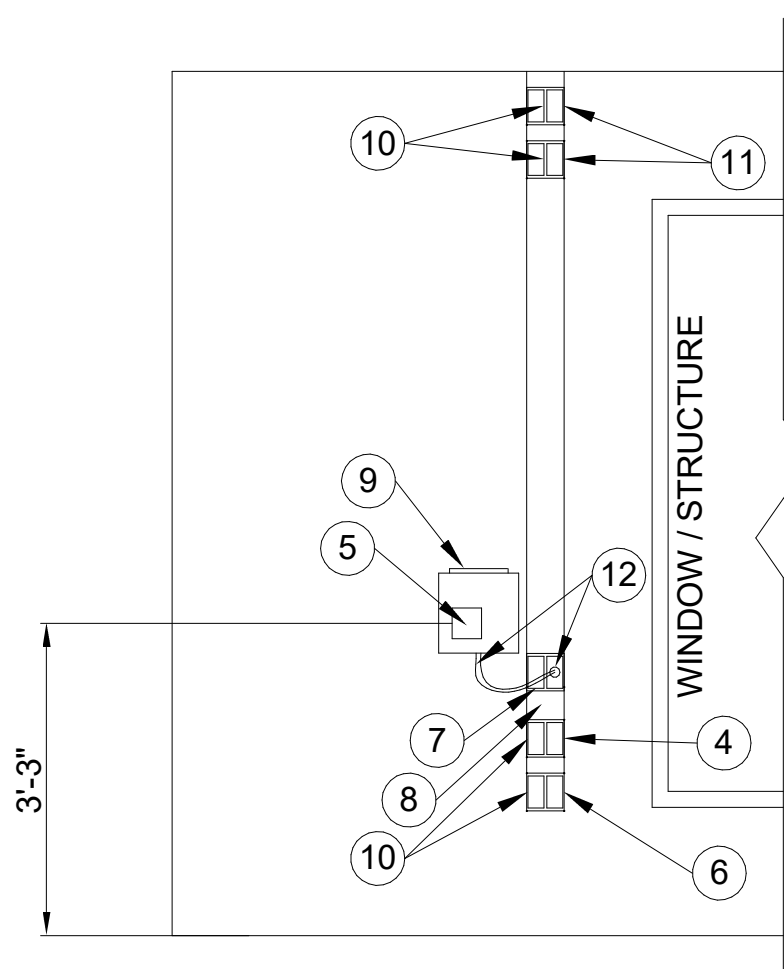
CAFETERIA ELEVATION - TEACHER AREA
 N.T.S.

GENERAL NOTES:

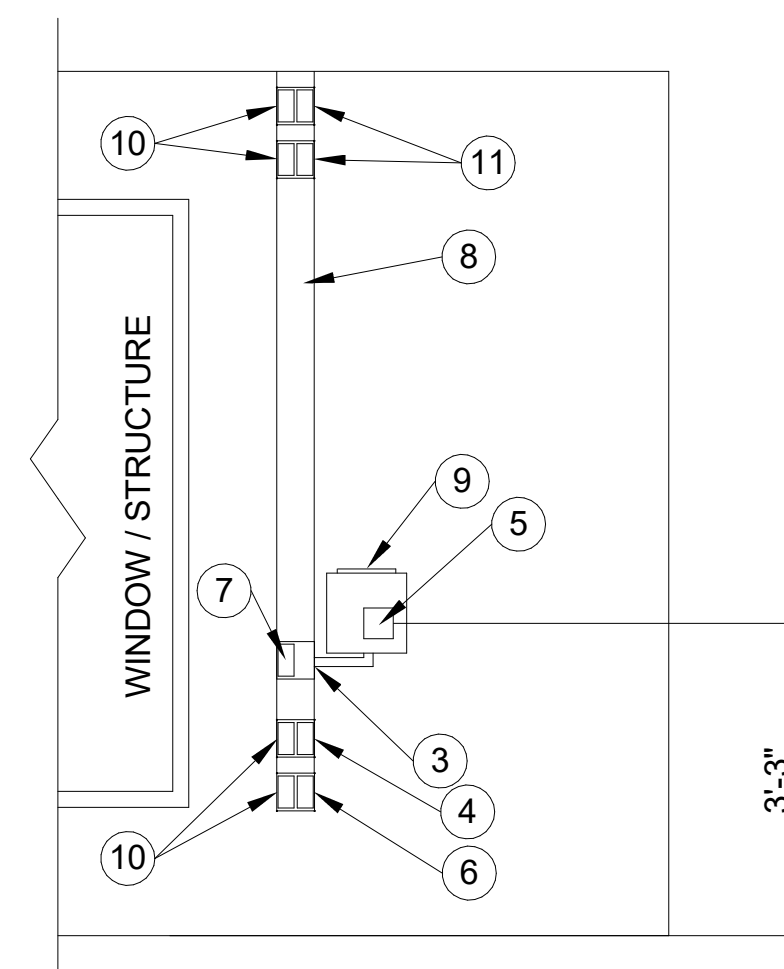
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NOTES:

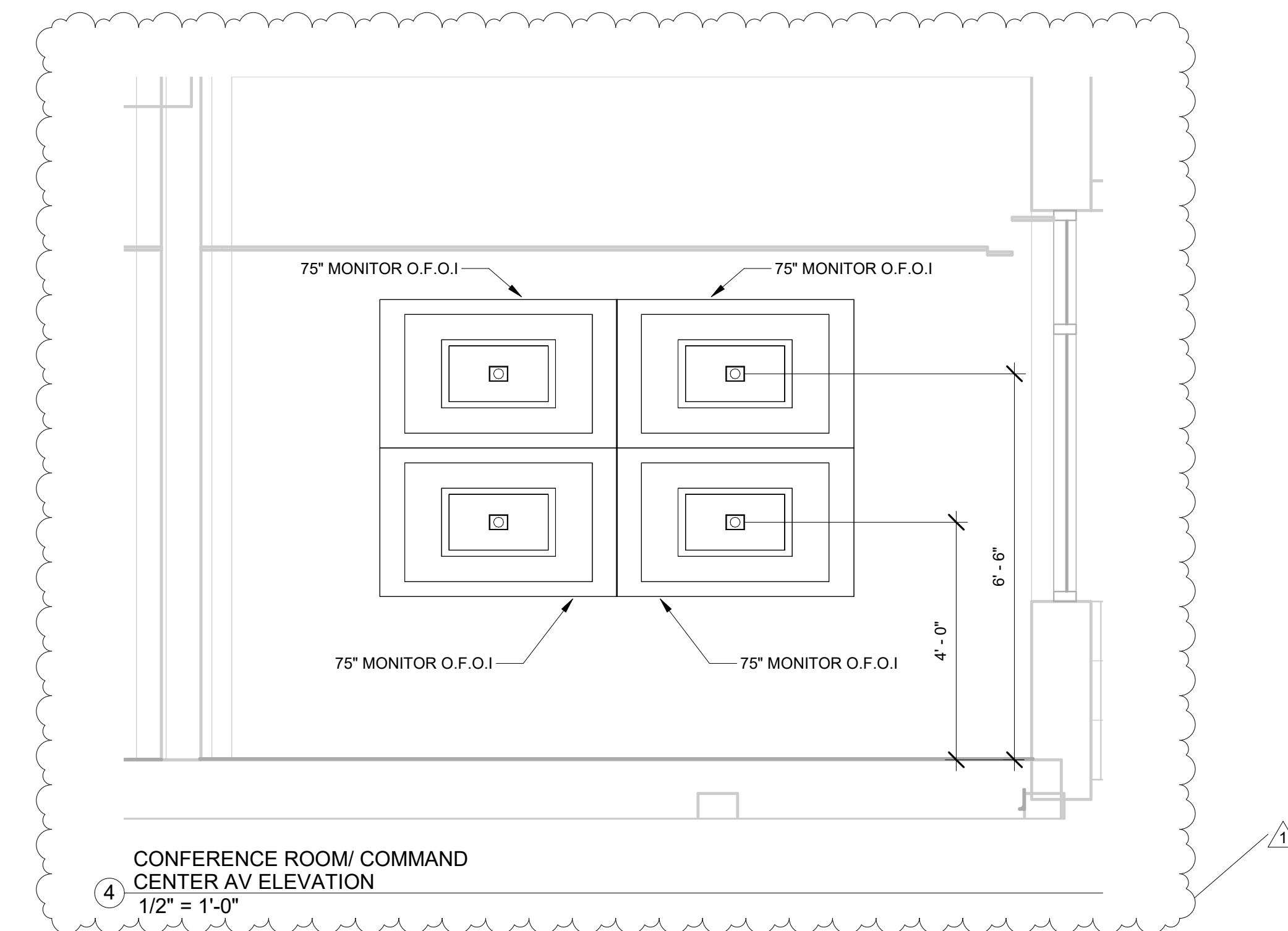
- 1 1 3/4" SURFACE MOUNT RACEWAY STUBBED INTO LOCATIONS AS REQUIRED.
- 2 1 3/4" SURFACE MOUNT RACEWAY STUBBED INTO CEILING DROP.
- 3 TEE COVER INSTALLED BETWEEN DEVICE LOCATIONS.
- 4 AV INPUT LOCATION - TYPE 2
- 5 AV CONTROL LOCATION - TYPE 2. REQUIRES MIN. 10"W X 10"H CLEAR AREA AROUND OUTLET FOR ENCLOSURE MOUNTING.
- 6 DATA VOICE LOCATION - TYPE 2. INSTALL WITHIN EXISTING SURFACE RACEWAY IF PRESENT
- 7 RELOCATED ELECTRICAL OUTLET LOCATION FOR IR RECEIVER- REFER TO E-SERIES FOR REQUIREMENTS
- 8 EXISTING DIVIDED SURFACE RACEWAY LOCATION TO REMAIN AND BE MODIFIED FOR NEW CABLING AND DEVICE FACEPLATES AND TERMINATIONS AS REQUIRED.
- 9 O.F.O.I. IR MICROPHONE RECEIVER - WALL MOUNTED
- 10 ELECTRICAL OUTLET LOCATED IN EXISTING SURFACE RACEWAY
- 11 BLANK FACEPLATE AS REQUIRED
- 12 NEW GROMMET OPENING FACEPLATE TO ALLOW AV CABLING TO EXIT RACEWAY FOR DIRECT DIRECTION TO IR MICROPHONE RECEIVER. PROVIDE CORD WRAP AS REQUIRED TO CONCEAL CABLE BUNDLE INTO DEVICE LOCATIONS.



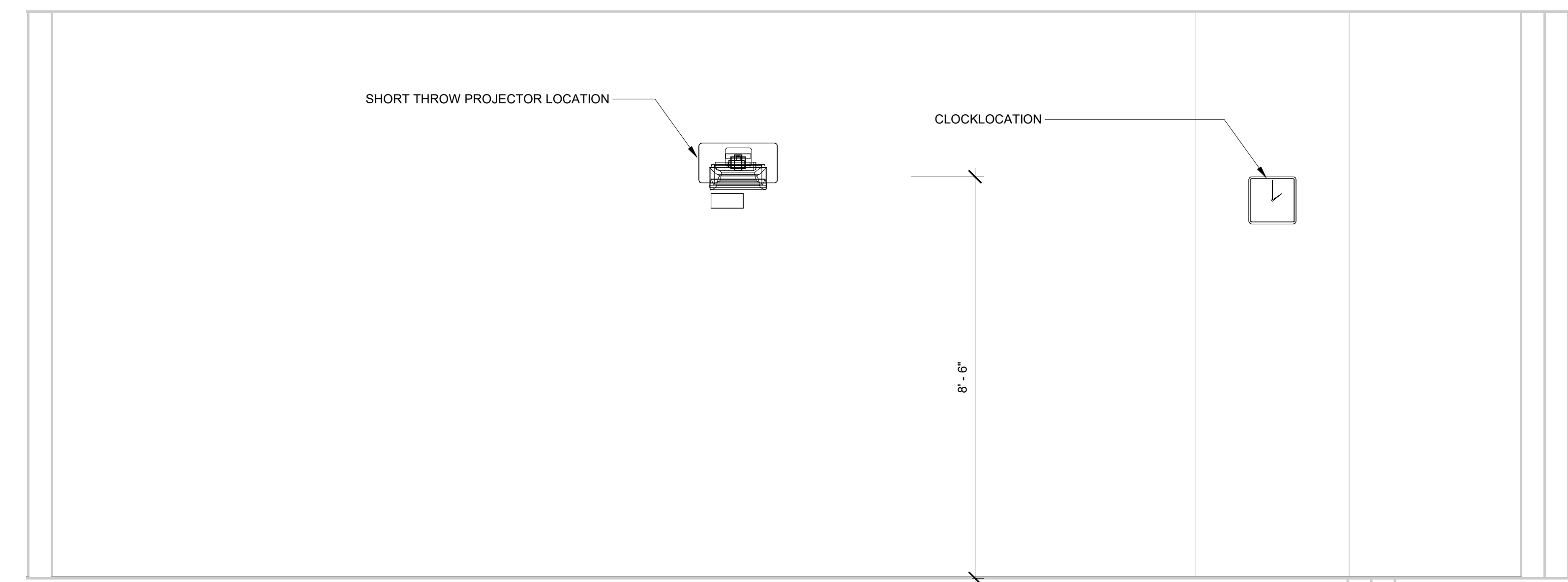
SPACE ON LEFT OF WINDOW / STRUCTURE



SPACE ON RIGHT OF WINDOW / STRUCTURE



CONFERENCE ROOM/ COMMAND CENTER AV ELEVATION
 1/2" = 1'-0"



TYPICAL CLASSROOM FRONT AV ELEVATION
 1/2" = 1'-0"

CLASSROOM ELEVATION - TEACHER AREA SURFACE MOUNTED WITH AV INPUT
 N.T.S.



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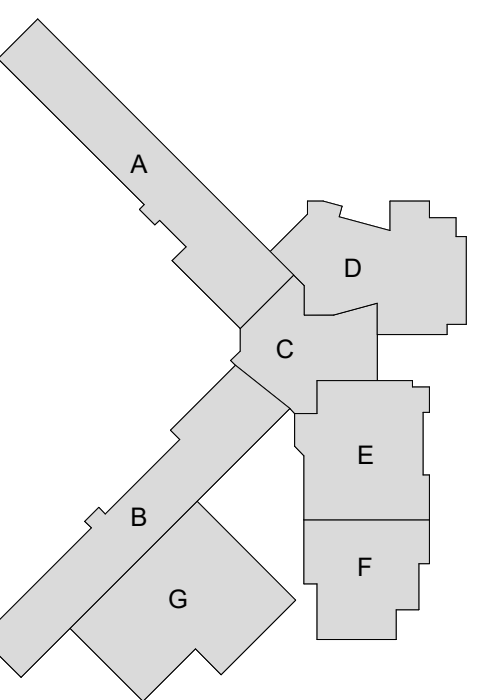
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| # | Revision | Date |
|---|--------------|------------|
| 1 | Addendum #01 | 08/22/2024 |

8401 Westfield Blvd
Indianapolis, IN 46240



KEY PLAN

M.S.D. of
Washington
Township

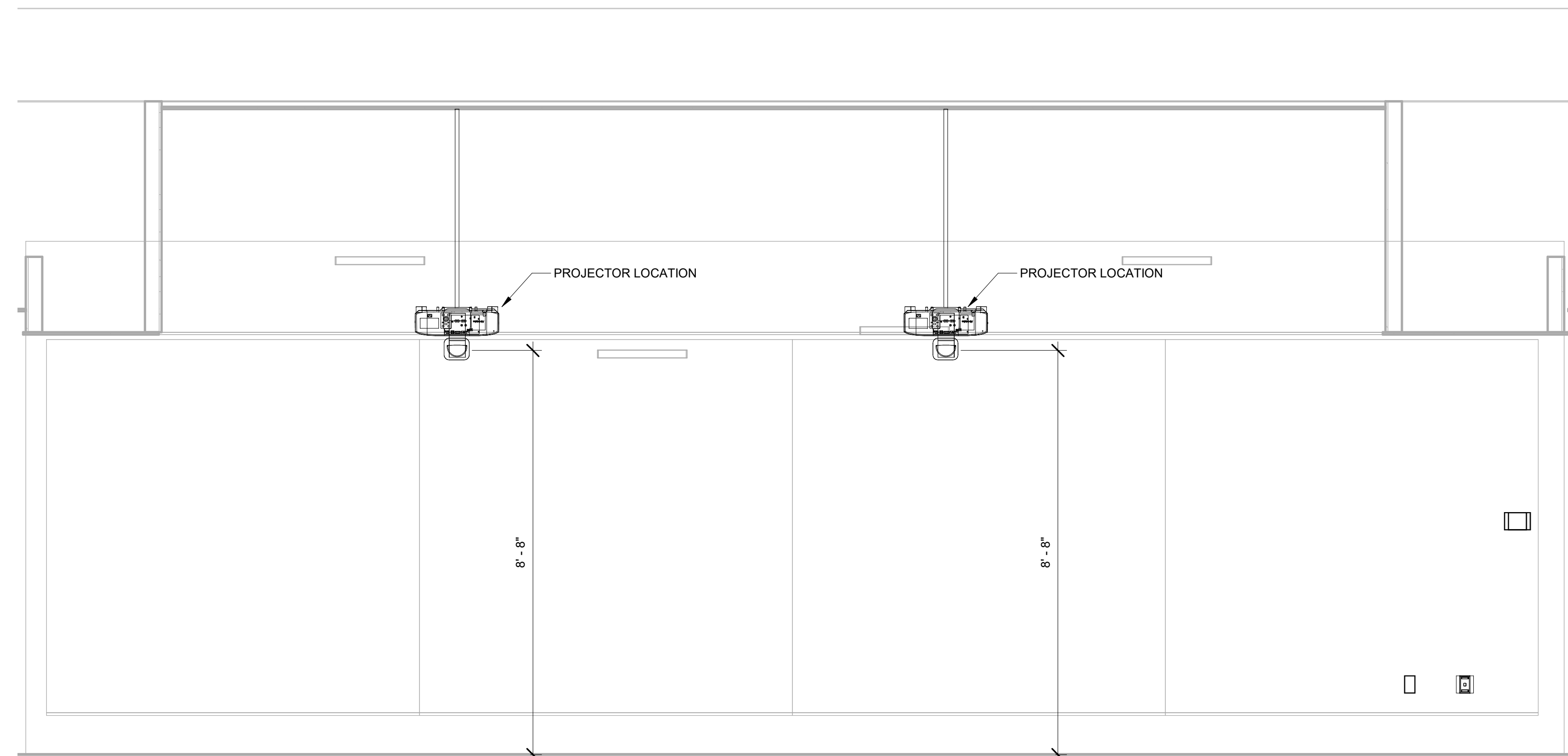


WASHINGTON
TOWNSHIP SCHOOLS

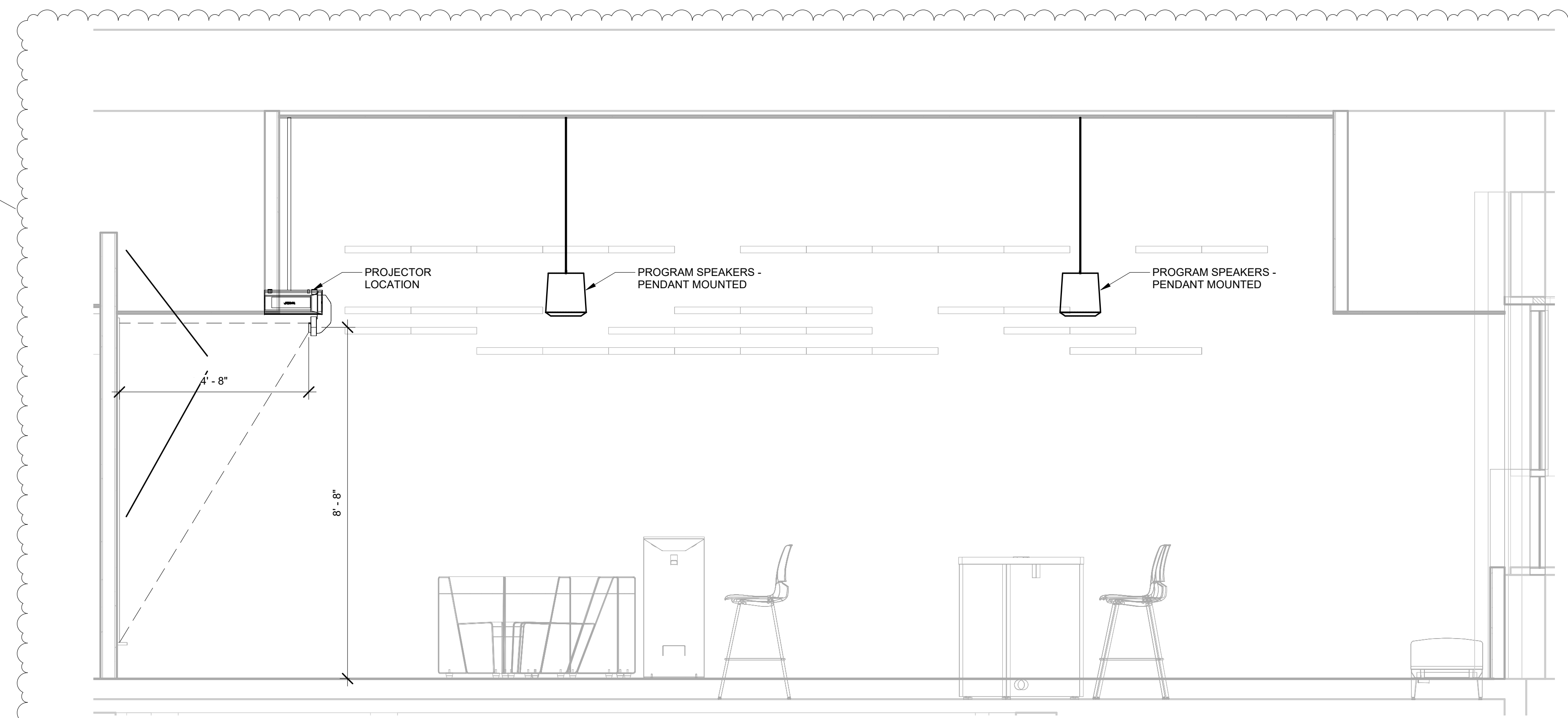
SERVICE CENTER
RENOVATION -
PHASE 6B

AV ELEVATIONS

T311



TECHNOLOGY HUB FRONT AV
ELEVATION
1
1/2" = 1'-0"



TECHNOLOGY HUB SIDE AV ELEVATION
2
1/2" = 1'-0"

6

5

4

3

2

1

E

D

C

B

A

6

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2

1

DATE: 08/22/2024
 DRAWN BY: MJC
 CHECKED BY: MKD
 PROJECT: SERVICE CENTER RENOVATION - PHASE 6B
 SHEET: AV ELEVATIONS
 T311

6

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C

B

A



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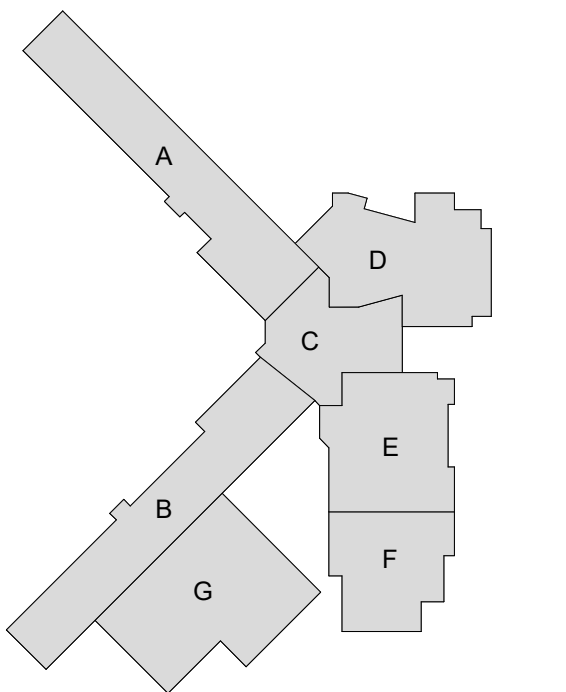
Project No. 2019-067.OSC
Project Date 07.31.2024
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| # | Revision | Date |
|---|--------------|------------|
| 1 | Addendum #01 | 08/22/2024 |

8401 Westfield Blvd
Indianapolis, IN 46240



KEY PLAN

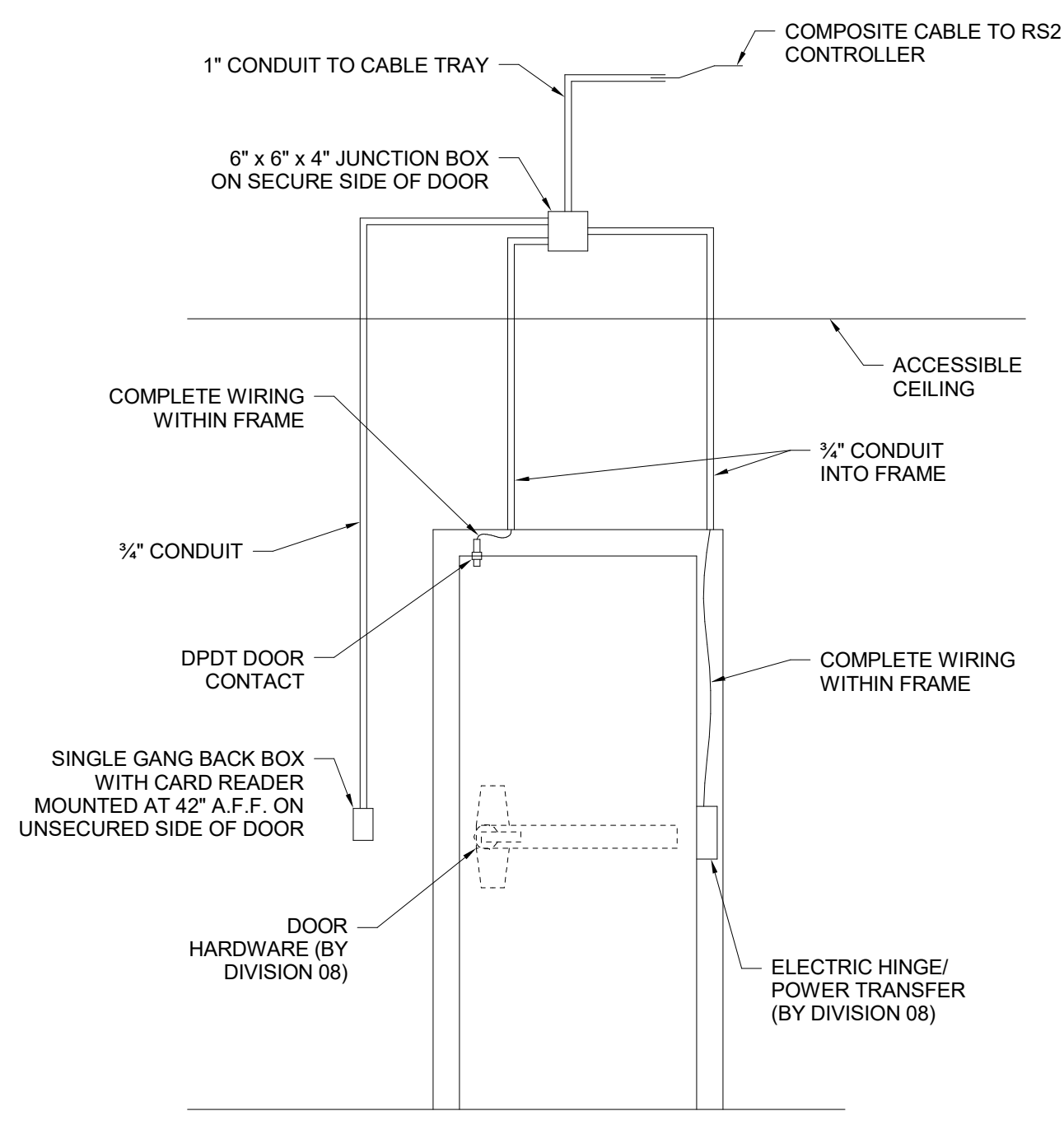
M.S.D. of
Washington
Township



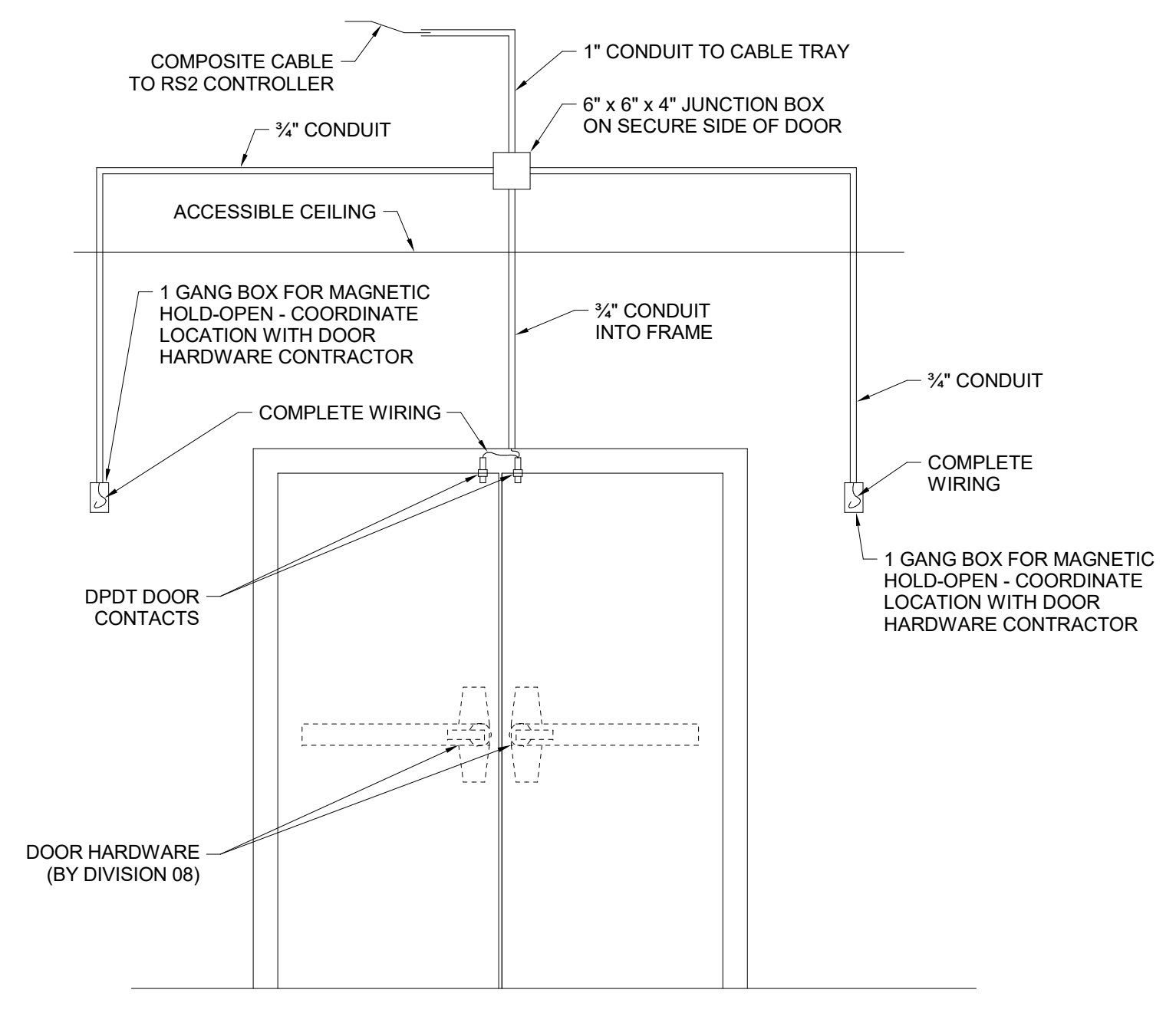
WASHINGTON TOWNSHIP SCHOOLS
SERVICE CENTER
RENOVATION -
PHASE 6B

SECURITY DETAILS

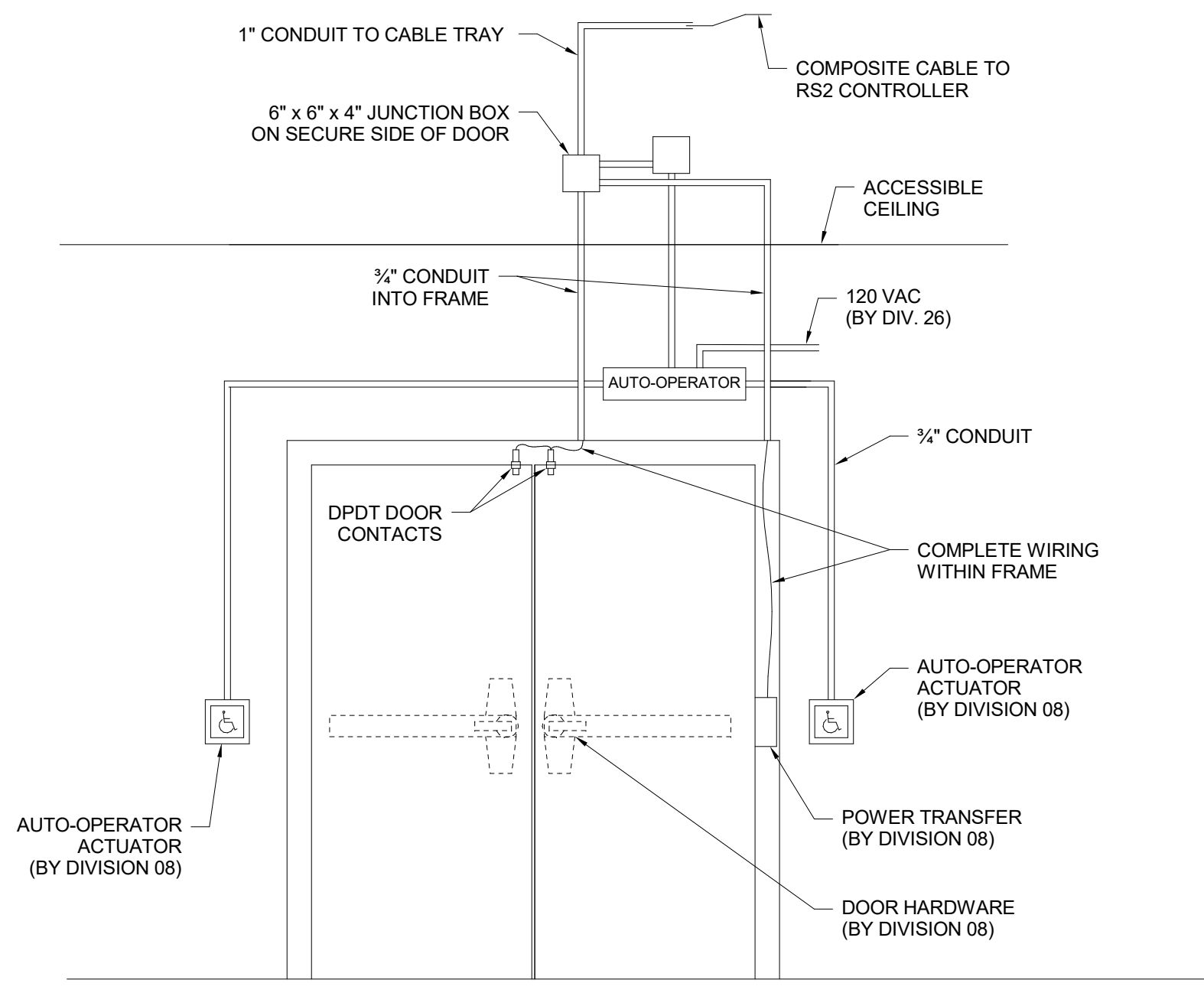
T407



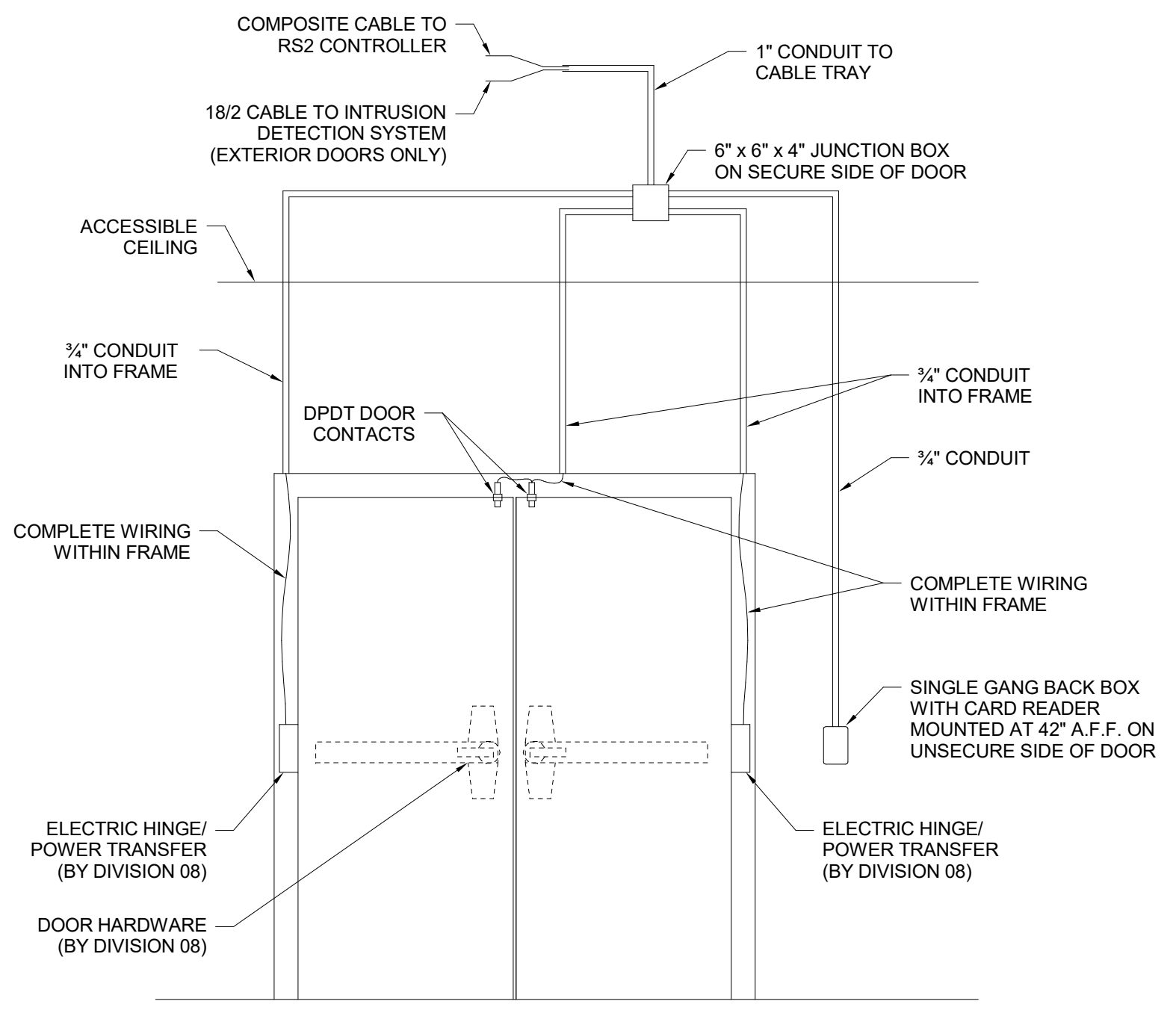
1 EAC DOOR TYPE S3 - CARD READER
N.T.S. CR



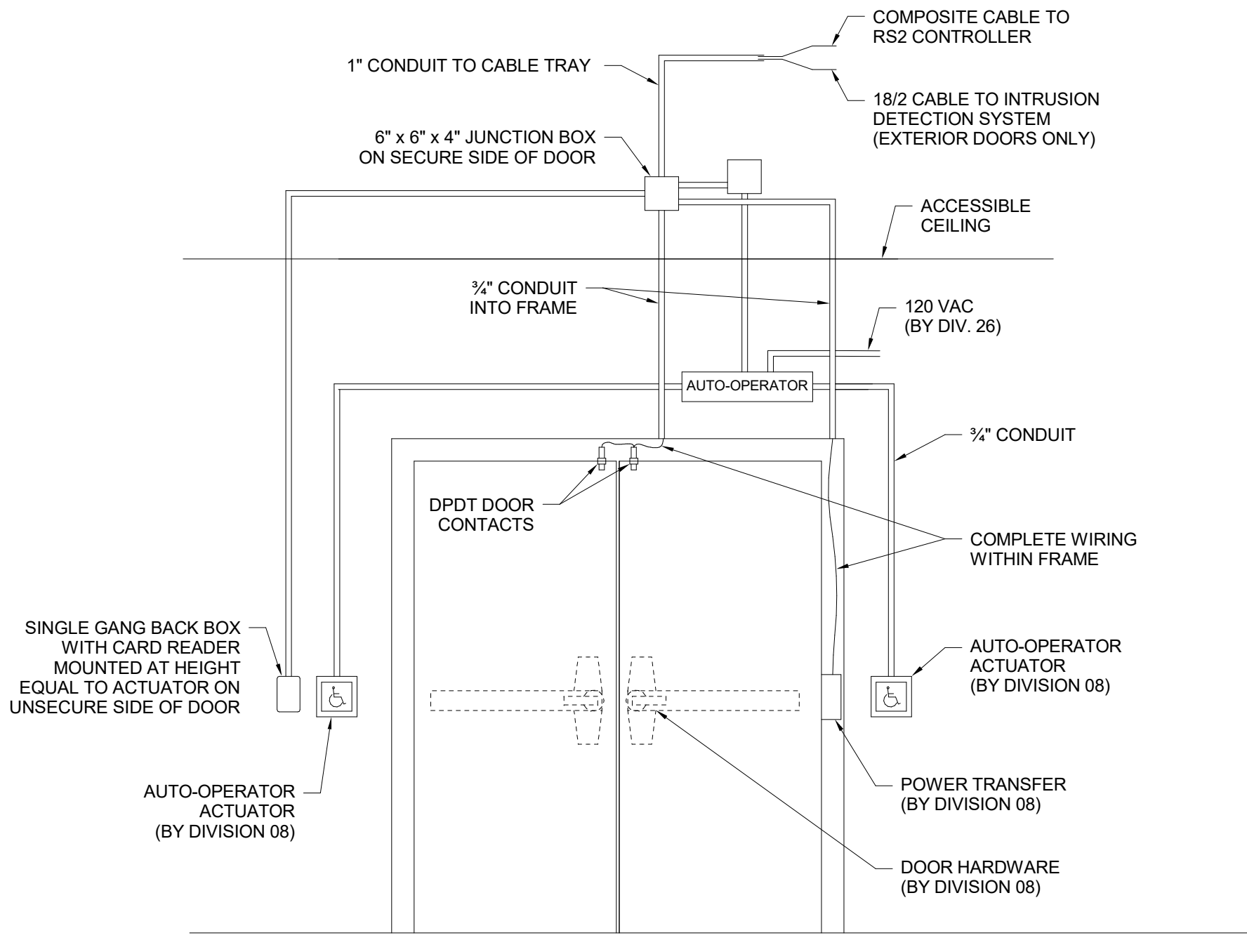
2 EAC DOOR TYPE D1M - MAGNETIC HOLD-OPEN
N.T.S. CR



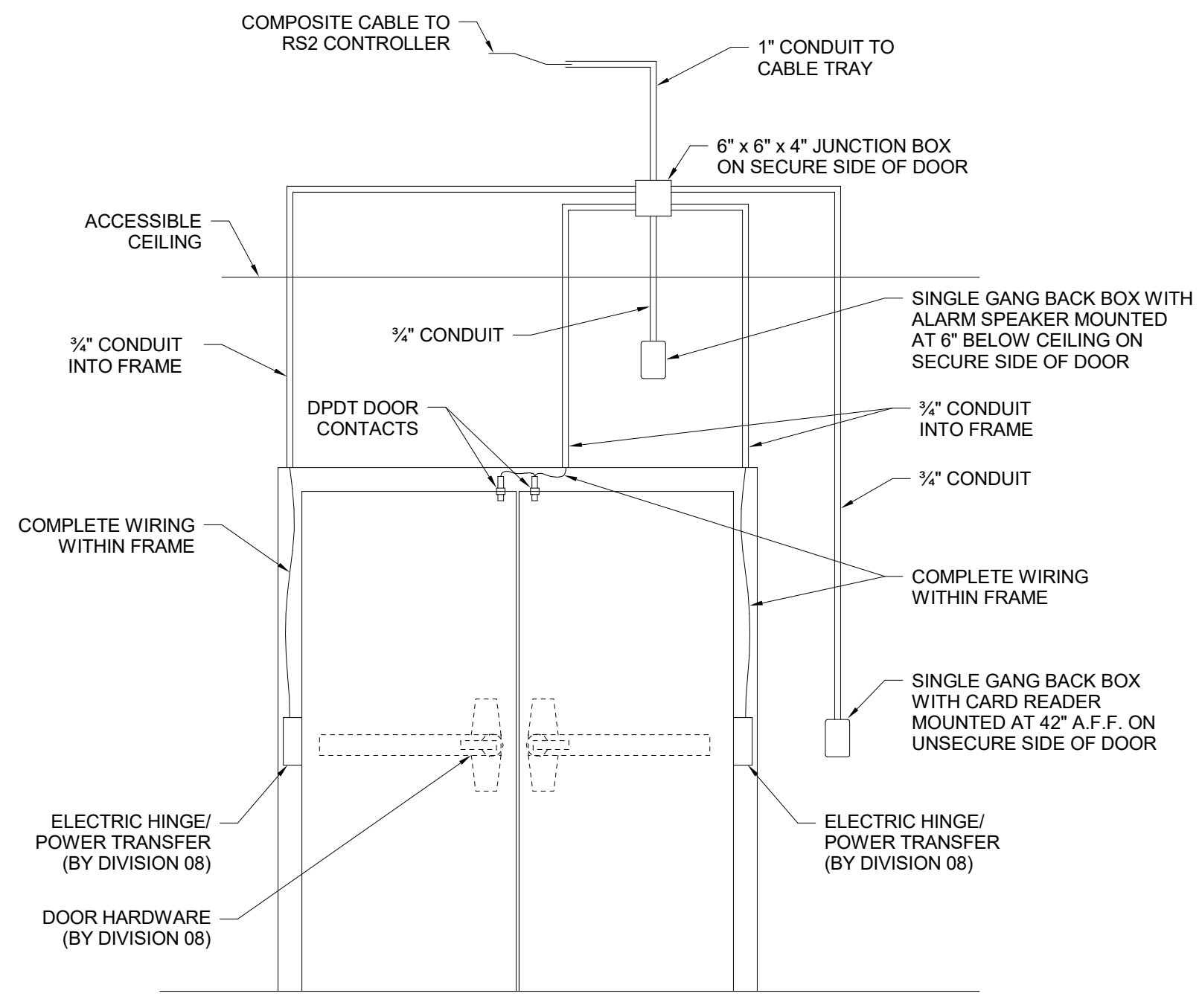
3 EAC DOOR TYPE D2A - MONITORING & CONTROL WITH ADA OPERATION
N.T.S. CR



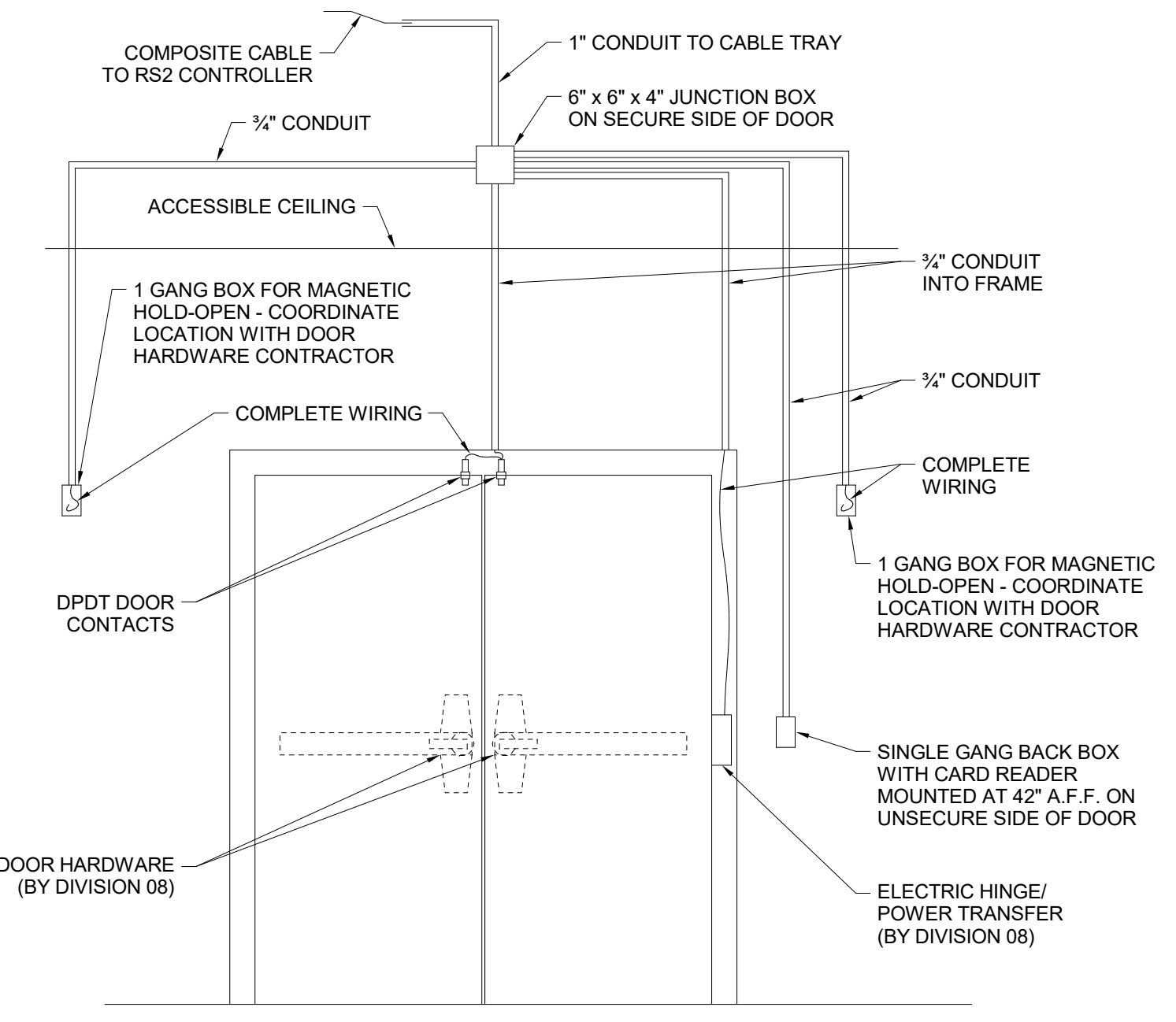
4 EAC DOOR TYPE D3 - CARD READER
N.T.S. CR



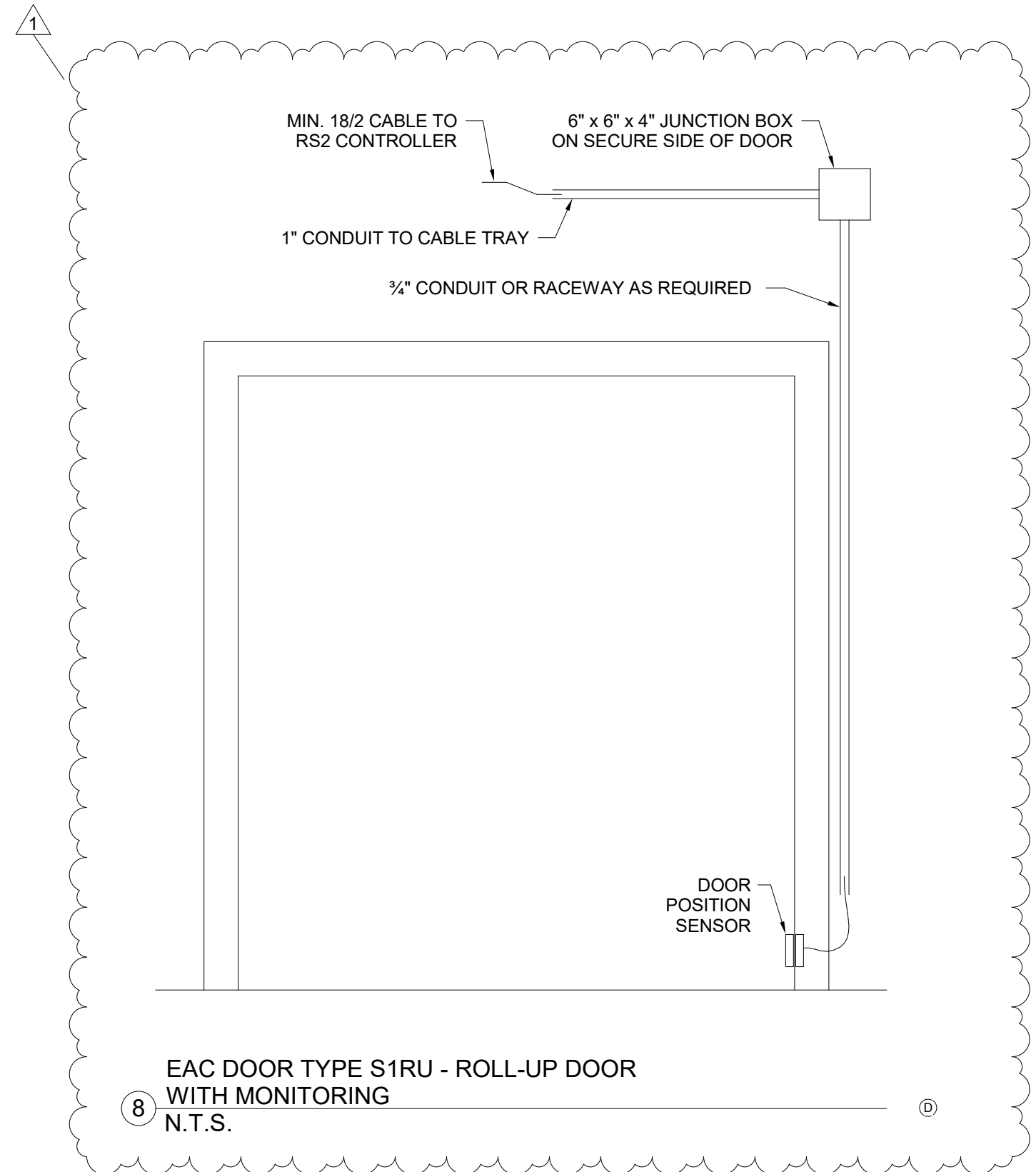
5 EAC DOOR TYPE D3A - CARD READER WITH ADA OPERATION
N.T.S. CR



6 EAC DOOR TYPE D3AS - CARD READER WITH ALARM SPEAKER
N.T.S. CR



7 EAC DOOR TYPE D3M - CARD READER WITH MAGNETIC HOLD OPEN
N.T.S. CR



8 EAC DOOR TYPE S1RU - ROLL-UP DOOR WITH MONITORING
N.T.S. CR

6

5

4

3

2

1

10/20/2024 10:24 AM
2024-08-22 10:24 AM
2024-08-22 10:24 AM
2024-08-22 10:24 AM
2024-08-22 10:24 AM

Owner room number adjustment schedule

| Original Bid Set Number | New Number | Name |
|-------------------------|------------|---|
| A-103 | A100 | ELEM (X2) |
| A-105 | A101 | ELEM (X2) |
| A-108 | A102 | MIDDLE SCHOOL (X3) |
| A-107 | A103 | ELEM (X2) |
| A-109 | A104 | ELEM (X2) |
| A-110 | A105 | MECHANICAL |
| A-112 | A106 | MIDDLE SCHOOL TEXTBOOK |
| A-111 | A107 | HIGH SCHOOL |
| A-113 | A108 | OT/PT STOR. |
| A-115 | A109 | OT/PT STOR. |
| A-116 | A110 | HIGH SCHOOL TEXTBOOK |
| A-117 | A111 | MECHANICAL |
| A119A | A112 | MDF |
| A119B | A113 | STAFF WORKROOM |
| A118A | A114 | STORAGE |
| A118B | A114A | STORAGE |
| A-120 | A115 | HIGH SCHOOL FILES |
| A-121 | A116 | JEL + TRUE NORTH + ELC |
| A121A | A116A | STORAGE |
| A121B | A116B | STORAGE |
| A-122 | A117 | MIDDLE SCHOOL FILES |
| A-123 | A118 | CEC STORAGE |
| A-124 | A119 | ELEM SCHOOL FILES |
| A-125 | A120 | FOUNDATION STORAGE |
| A-126 | A121 | TEACHERS TREASURES |
| A127A | A122 | BOYS RR |
| A127B | A123 | JANITOR |
| A127C | A124 | WOMENS RR |
| Not Placed | A125 | STOR |
| B-103 | B100 | CORRIDOR |
| B105A | B100.1 | OPERATIONS ADMIN ASST./CHILD NUTRITION ASST./OPERATIONS ASST./WAITING |
| B103J | B100.2 | WORKROOM/ FILE STORAGE |
| B103B | B100A | IDF |
| B103C | B100B | CHIEF OF POLICE |
| B103D | B100B.1 | ARMORY |
| B103G | B100C | CONFERENCE ROOM/ COMMAND CENTER |
| B103K | B100D | CHILD NUTRITION COOR. |
| B103L | B100E | CHILD NUTRITION ASST. DIR. |
| B105B | B100F | CHILD NUTRITION DIRECTOR |
| B105C | B100G | OPER. COOR |
| B105H | B100H | ASST. DIRECTOR OF OPERATIONS |
| B105J | B100J | DIRECTOR OF OPERATIONS |
| B105K | B100K | STOR |
| B105E | B100L | |
| B105E | B100M | STOR |
| B105F | B100N | CAPITAL PROJECT MANAGER |
| B105G | B100N.1 | STOR |
| B105D | B100P | STOR |

Owner room number adjustment schedule

| Original Bid Set Number | New Number | Name |
|-------------------------|------------|-------------------------------------|
| B103N | B100Q | OPER. STORAGE |
| B103M | B100R | STOR/ELEC |
| B103H | B100S | KITCHENETTE |
| B103F | B100T | TRAFFIC SECURITY OFFICE |
| B103E | B100U | STOR |
| B103A | B100V | MAIL ROOM |
| B-102 | B101 | CONF. |
| B-104 | B102 | LARGE CONF ROOM |
| B-106 | B103 | MECHANICAL |
| B-107 | BC100 | CORRIDOR |
| B-108 | B104 | CAP. PROJ STORAGE |
| B-110 | B105 | CAPITAL PROJECT TOUCHDOWN/CONF ROOM |
| B-109 | B106 | RR |
| B-111 | B107 | RR |
| B-112 | B108 | |
| B-113 | B109 | FOOD SERVICE STORAGE |
| B-114 | B110 | |
| B-115 | B111 | |
| B-116 | B112 | |
| B116A | B112A | |
| B-117 | B113 | |
| B-118 | B114 | |
| B-119 | B115 | MECHANICAL |
| B-121 | B116 | |
| B121A | B116A | |
| B-120 | B117 | MECHANICAL |
| B-122 | B118 | |
| B-123 | B119 | |
| B-124 | B120 | |
| B-125 | B121 | |
| B125A | B121A | |
| B-126 | B122 | |
| B-127 | B123 | |
| B128A | B124 | BOYS RR |
| B128B | B125 | JANITOR |
| B128C | B126 | GIRLS RR |
| B-129 | B127 | |
| B129A | B127A | |
| B-131 | B128 | |
| B-1 | B-1 | ELEVATOR |
| B-183 | B-129 | STORAGE |
| B-162 | B-162 | |
| C-104A | C108 | BOILER ROOM |
| C-104A | C108A | CHILLER ROOM |
| A-100 | C100 | MINDFULNESS ROOM |
| A-102 | C101 | PRINT SHOP |
| A102A | C101A | OFFICE |

Owner room number adjustment schedule

| Original Bid Set Number | New Number | Name |
|-------------------------|------------|------|
|-------------------------|------------|------|

| | | |
|------------|-------|----------------------|
| A102B | C101B | OFFICE |
| A102C | C101C | STORAGE |
| A101C | C102 | BOYS RR |
| A101B | C103 | ELEC/CUST |
| A101A | C104 | GIRLS RR |
| C-102 | C105 | KITCHEN |
| C102E | C105A | |
| C102D | C105B | |
| C102C | C105C | DRY STORAGE |
| Not Placed | C105D | |
| C102B | C105E | |
| C102A | C105F | |
| C102G | C105G | CUSTODIAN |
| C-103 | C105H | |
| C102H | C105J | ELEVATOR EQUIP |
| C102F | C105K | |
| Not Placed | C106 | |
| Not Placed | C107 | |
| B100A | C108 | GIRLS RR |
| B100C | C109 | BOYS RR |
| B100B | C109A | JANITOR |
| B-1A | C109B | ELEVATOR EQUIP |
| B-101 | C110 | ADMIN ASST. SECURITY |
| B101A | C110A | STORAGE |
| C-1 | C-1 | ELEVATOR |
| C-101 | C-116 | |
| CA000 | CA000 | CORRIDOR |
| CA001 | CA001 | CORRIDOR |
| CA002 | CA002 | CORRIDOR |
| D-102 | D101 | WTEA STORAGE |
| D102A | D101A | OFFICE |
| D101A | D102A | STAGE |
| D101B | D102B | |
| D101C | D102C | |
| D101D | D102D | |
| D101E | D102E | |
| D101F | D102F | OPERATIONAL STORAGE |
| D109A | D102G | MECHANICAL |
| D-109 | D102H | ELECTRICAL |
| D-104 | D103 | CUSTODIAL |
| D110B | D103A | |
| D110A | D103B | |
| D105A | D104 | |
| D105B | D105 | WOMENS RR |
| D105C | D106 | MENS RR |
| D-106 | D107 | TECH WAREHOUSE |
| D106A | D107A | AV TECH |

Owner room number adjustment schedule

| Original Bid Set Number | New Number | Name |
|-------------------------|------------|------|
|-------------------------|------------|------|

| | | |
|-------|-------|------------------|
| D106B | D107B | |
| D106C | D108 | |
| D-108 | D109 | TECH STAGING |
| D108A | D109A | REPAIR TECH |
| D108B | D109B | WORK |
| D108C | D109C | |
| D108D | D109D | |
| D108E | D109E | |
| D108F | D109F | |
| D108G | D109G | |
| D-107 | D110 | MECHANICAL |
| C-106 | D112 | LOADING DOCK |
| D100 | D100 | CUSTODIAL |
| D-101 | D102 | AUDITORIUM |
| E-122 | E100 | CONCESSIONS |
| E-101 | E101 | MAIN GYM |
| E101G | E101A | GATOR STORAGE |
| E101H | E101B | JANITOR |
| E101J | E101C | SECURITY STORAGE |
| E101K | E101D | |
| E101L | E101E | |
| E101M | E101F | |
| E101N | E101G | RR |
| E101P | E101H | |
| E102A | E101J | |
| E101A | E101K | |
| E101B | E101L | |
| E101C | E101M | |
| E101D | E101N | |
| E-100 | E101P | STORAGE |
| E-102 | E102 | LOCKER ROOM |
| E102A | E102A | |
| E-104 | E103 | LOCKER ROOM |
| E105C | E103A | |
| E-103 | E104 | LOCKER ROOM |
| E-106 | E105 | WRESTLING ROOM |
| E141 | E105A | |
| E105A | E106 | |
| E-105 | E107 | LOCKER ROOM |
| E105B | E107A | |
| E109B | E108 | MENS RR |
| E109A | E109 | WOMENS RR |
| E-108 | E110 | AUXILIARY GYM |
| E108A | E110A | |
| E108B | E110B | |
| E107D | E110C | |
| E-107 | E111 | LOCKER ROOM |

Owner room number adjustment schedule

| Original Bid Set Number | New Number | Name |
|-------------------------|------------|------|
|-------------------------|------------|------|

| | | |
|-------|-------|---------------------------|
| E107C | E111A | |
| E107B | E111B | |
| F109 | F100 | CLASSROOM |
| F107 | F101 | CLASSROOM |
| F107A | F101A | SMALL GROUP |
| F108 | F102 | SRO |
| F107A | F103 | ELEC. |
| F105 | F104 | CLASSROOM |
| F105A | F104A | SMALL GROUP |
| F106B | F105 | STOR |
| F106A | F106 | STOR |
| F103 | F108 | CLASSROOM |
| F101C | F109 | MENS RR |
| F104 | F110 | RESOURCE |
| F101B | F110 | WOMENS RR |
| F101A | F111 | JANITOR |
| F102 | F112 | CLASSROOM |
| F101 | F113 | CLASSROOM |
| H100 | G100 | RECEPTION |
| H100A | G100A | CUMM. COUNS. |
| H100B | G100B | GUID. COUN. |
| H100C | G100C | MECH. |
| H100D | G100D | SOC. WORKER |
| H100E | G100E | PRINCIPAL |
| H100F | G100F | CONFERENCE ROOM |
| H100G | G100G | NURSE |
| H100H | G100H | RR |
| H-101 | G101 | LAUNDRY |
| H102 | G102 | KITCHENETTE |
| H102A | G102A | RR |
| H102B | G102B | RR |
| H-105 | G103 | STAFF WORKROOM |
| H-106 | G104 | STOR |
| H-107 | G104A | MECHANICAL |
| H-108 | G105 | ELEC |
| F-100 | G106 | CAFETERIA |
| G-106 | G106A | SERVING |
| G106A | G106B | KITCHEN |
| G106B | G106C | STOR |
| G105A | G106D | IDF |
| G-101 | G107 | RESOURCE / COUNSELOR ROOM |
| H109A | G108 | RESTROOM |
| H109B | G109 | RESTROOM |
| H-104 | G110 | CLASSROOM |
| H109C | G111 | RESTROOM |
| H-103 | G112 | MECHANICAL |
| GC100 | GC100 | CORRIDOR |

Owner room number adjustment schedule

| Original Bid Set Number | New Number | Name |
|-------------------------|------------|----------------|
| GC101 | GC101 | CORRIDOR |
| G-102 | H101 | CLASSROOM |
| G103 | H102 | CLASSROOM |
| G103A | H102A | RR |
| G103B | H102B | ELEC |
| G103B | H102C | ELEC |
| G-104 | H103 | CLASSROOM |
| G104A | H103A | BREAKOUT SPACE |
| S-001 | S-001 | STAIRS |
| S-100 | S-100 | STAIRS |
| S-101 | S-101 | STAIR |
| S-102 | S-102 | STAIRS |
| S-103 | S-103 | STAIRS |
| S-104 | S-104 | STAIRS |
| S-105 | S-105 | STAIRS |
| S-106 | S-106 | STAIR |
| V104A | V104A | |
| V104B | V104B | |
| V111 | V111 | VESTIBULE |
| V-100 | V-100 | VESTIBULE |
| V-101 | V-101 | VESTIBULE |
| V-102 | V-102 | VESTIBULE |
| V-103 | V-103 | ENTRY |
| V-104 | V-104 | VESTIBULE |
| V-105 | V-105 | VESTIBULE |
| V-106 | V-106 | VESTIBULE |
| V-107 | V-107 | VESTIBULE |
| V-108 | V-108 | VESTIBULE |
| V-109 | V-109 | VESTIBULE |
| V-110 | V-110 | VESTIBULE |
| V-112 | V-112 | VESTIBULE |
| V-113 | V-113 | VESTIBULE |
| F-110 | Z100 | CLINIC |
| F110A | Z100A | RECEPTION |
| F110C | Z100B | OFFICE |
| F100E | Z100C | EXAM 1 |
| F100G | Z100D | EXAM 2 |
| F110H | Z100E | OFFICE |
| F110F | Z100F | EXAM 3 |
| F110D | Z100G | EXAM 4 |
| F110B | Z100H | RR |
| A201A | A200 | WOMENS RR |
| A202A | A201 | WOMENS RR |
| A201B | A202 | JANITOR |
| A202B | A203 | MENS RR |
| A201C | A204 | MENS RR |
| A-206 | A206 | SUPPLIES |

Owner room number adjustment schedule

| Original Bid Set Number | New Number | Name |
|-------------------------|------------|-----------------------|
| A-207 | A207 | CONF ROOM |
| A-208 | A208 | OFFICE SCHOOL TECH |
| A-209 | A209 | NETWORK TEAM |
| A-210 | A210 | OFFICE TECH ANALYTICS |
| A-211 | A211 | NETWORK STAGING |
| A-212 | A212 | OFFICE DATA |
| A-213 | A213 | ELEM |
| A-214 | A214 | MECH |
| A-216 | A215 | GROWTH |
| A-215 | A216 | SECONDARY |
| A217A | A217 | STORAGE |
| A217B | A218 | STORAGE |
| A-218 | A219 | GROWTH |
| A-219 | A220 | MECH |
| A221A | A221 | STORAGE |
| A221B | A222 | STORAGE |
| A-220 | A223 | SUPPLIES |
| A-222 | A224 | PD CLASSROOM |
| A-223 | A225 | PD CLASSROOM |
| A-224 | A226 | PD CLASSROOM |
| A-225 | A227 | PD CLASSROOM |
| A-226 | A228 | PD CLASSROOM |
| A-227 | A229 | WORKROOM |
| A-228 | A230 | HISTORY ARCHIVES |
| A229A | A231 | MENS RR |
| A229B | A232 | JANITOR |
| A229C | A233 | WOMENS RR |
| A-204 | A205 | TECHNOLOGY DIRECTOR |
| B-206 | B200 | |
| B206A | B200A | |
| B-207 | B201 | |
| B-208 | B202 | |
| B-209 | B203 | |
| B-210 | B204 | |
| B-211 | B205 | |
| B-212 | B206 | |
| B212A | B206A | |
| B-213 | B207 | |
| B-215 | B208 | MECHANICAL |
| B-216 | B209 | |
| B212B | B209A | |
| B-217 | B210 | |
| B-218 | B211 | |
| B-219 | B212 | |
| B219A | B212A | |
| B-220 | B213 | MECHANICAL |
| B-221 | B214 | |

Owner room number adjustment schedule

| Original Bid Set Number | New Number | Name |
|-------------------------|------------|----------------|
| B222B | B215 | |
| B222A | B216 | |
| B-223 | B217 | |
| B-224 | B218 | |
| B-225 | B219 | |
| B-226 | B220 | |
| B-227 | B221 | |
| B228A | B222 | BOYS RR |
| B228B | B223 | JANITOR |
| B228C | B224 | GIRLS RR |
| B-229 | B225 | |
| B-2 | B-2 | ELEVATOR |
| C-207 | C200 | TECHNOLOGY HUB |
| C-213 | C200A | OFFICE |
| C-211 | C200B | OFFICE |
| C-210 | C200C | OFFICE |
| C-209 | C200D | OFFICE |
| C-208 | C200E | AV CLOSET |
| C-206 | C200F | OFFICE |
| C-205 | C200G | OFFICE |
| C-202 | C200H | STORAGE |
| C-201 | C200J | OFFICE |
| B201A | C201 | MENS RR |
| B201B | C202 | WOMENS RR |
| B202A | C203 | WOMENS RR |
| B202C | C204 | MENS RR |
| B202B | C204A | JANITOR |
| B-205 | C205 | |
| B-203 | C206 | STAFF LOUNGE |
| A-200 | C207 | FLEX OFFICE |
| D-200 | C208 | |
| D-201 | C209 | |
| D201A | C209A | |
| D201B | C209B | |
| C201C | C209C | |
| DM202 | C209D | MECHANICAL |
| D-202 | C210 | |
| DM201 | C210A | MECHANICAL |
| DM200 | C210B | MECHANICAL |
| C-2 | C-2 | ELEVATOR |
| S-200 | S-200 | STAIRS |
| S-201 | S-201 | STAIR |
| S-202 | S-202 | STAIR |
| S-203 | S-203 | STAIRS |
| S-204 | S-204 | STAIRS |
| S-205 | S-205 | STAIRS |
| S-206 | S-206 | STAIR |