

Indiana University Bloomington

BL417 Geological Sciences Phase 2 F100 IGWS East
(F100) Lab Renovations
IU 20250361

ADDENDUM NO. 2
14217

BL417: 1001 E. 10th Street
Bloomington, IN 47405

20 March 2026

ARTEKNA

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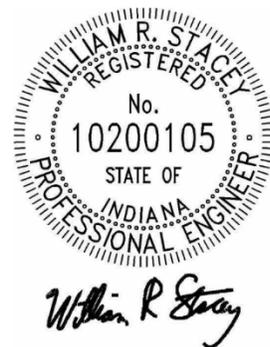
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**SECTION 000105
CERTIFICATIONS PAGE**

ARCHITECTURAL CERTIFIED BY:



ELECTRICAL CERTIFIED BY:



MECHANICAL, PLUMBING, FIRE PROTECTION CERTIFIED BY:



END OF SECTION

20 MARCH 2026

This addendum forms a part of the Contract Documents and modifies the Project Manual and/or Drawings dated 3 March 2026 on the Cover Sheet.

GENERAL NOTES:

1. Refer to attached Addendum No. 2 information from CMTA.
2. During the Pre-Bid meetings there was discussion around adding a fourth Alternate. After further review, no alternate pricing is needed, and Optics 2015, Wet Lab 2015A, and Dry Lab 2015B will remain part of the Base Bid.
3. Pre-Bid Questions and Answers
 - Q.** Regarding Equipment list on EQ211 & EQ221. There's not enough information for us to pick up the wire shelving (tag SHV01, 02, 03), Glass Boards (tag BRD01), White Board (tag WTB01), and the Wall/Casework Mounted Cylinder Bracket (tag RCK05).
 - A.** For the wire shelving, refer to Specific Equipment Plan Note 5 on attached revised sheet EQ211. For Glass boards, refer to Section 101100 - Visual Display Units. White boards WTB01 will be provided by the Owner's furniture vendor. For the Wall/Casework Mounted Cylinder Brackets, refer to Section 123553.19.2.11.A Gas Cylinder Brackets.

 - Q.** Are there new fume hoods on this job or are they existing? Sheet A211, note 3 indicates a hood, but is dashed out in lab 1011. 4/A901 indicates CFVI hoods per schedule HD001. EQ211 indicates fume hoods are OFCI
 - A.** All fume hoods in the project are new and to be provided by the Contractor.

 - Q.** Clarify preferred finish for casework. Schedule says stainless casework, plan notes indicate painted metal, elevations confirm metal casework, and the spec has wood and painted metal listed for acid/flammable cabinets.
 - A.** Wood, stainless steel, and painted metal casework are all called out and specified in the Project. Wood is the predominate material, matching Building standard. All flammables and combustibles/acid cabinets are painted metal. Stainless steel is called for in Lab Support 1014.
Painted metal lab casework may be bid in lieu of wood lab casework, at Contractor's option. Metal Lab casework is to meet the requirements of Section 123553.13 - Metal Lab Casework.

 - Q.** Is the wood casework red oak or a white maple veneer? Spec 123553.19, 2.10.B lists both; finish schedule indicates oak. Previous Geology work has been Maple.
 - A.** Provide red oak to match existing building standard.

 - Q.** Confirm preferred construction for wall mounted shelves. Spec indicates wall mounted shelves phenolic or wood, but painted metal per the plan notes.
 - A.** Wall mounted shelves are to have phenolic shelves on metal standards.

 - Q.** Where specific plan notes and elevations differ on countertop which will override? e.g. plan note #8 on A231; Robotics lab 3012; 20/A901) regarding

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what type of countertop to use (chem resistant phenolic or ESD laminate, or epoxy and phenolic after looking at this set of bid documents.

A. Plans and elevations are intended to be complimentary, neither overrides the other. Provide Architect with specific discrepancies. Refer to attached revised sheet A231 for clarification on Robotics lab 3012.

Q. The Spec notes that there is to be legs on the lockers, but in the same spec it notes that they are to be installed on a prepared base. Do you know if the intent of these lockers are to be installed recessed or freestanding? Would they also want a sloped top on these if these are freestanding?

A. Lockers are to be on legs and are freestanding. A sloped top is not required.

Q. Will a dumpster location be provided?

A. Yes, a dumpster location will be coordinated with the awarded bidder.

Q. Will there be any noise restrictions on the project?

A. Construction areas on 1st, 4th, 5th, and 6th floors are largely vacant space. However, 2nd and 3rd floors still have occupied areas. There are no restrictions on work hours, but noisy activities will need to be coordinated with adjacent occupied areas.

Q. Who holds the current roof warranty?

A. Roof warranty information will be shared with awarded bidder.

Q. Will the contractor have usage of the freight elevator?

A. Freight elevator usage will be available to the contractor, but must be coordinated with the building's Facilities Administrator, John Hettle.

CHANGES TO PROJECT MANUAL:

1. Section 055000 - Metal Fabrications
 - a. Replace Section 055000 in its entirety with attached revised section. The intent of the change is to provide information on the Unistrut and Delegated Design.
2. Section 105113 - Metal Lockers
 - a. Add Lyon Workspace Products; ClearSight lockers to approved manufacturer's list, Section 105110.2.01.A Manufacturers.
 - b. Strike subsection 3.01.B "Place and secure on prepared base" in its entirety.
3. Section 115313 - Laboratory Fume Hoods
 - a. Add Air Master Systems to approved manufacturer's list, Section 115313.2.01.a Manufacturers.
 - b. Remove section 2.06 Accessories in its entirety.
 - c. Revise subsection 2.07.B to read as follows: "Factory ASHRAE 110 testing of each type of fume hood."
 - d. Add subsection 3.02.A.1.a to read as follows: "Provide ASHRAE 110 testing."

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4. Section 123553.13 - Metal Laboratory Casework
 - a. Add Labcrafters, Inc. to approved manufacturer's list, Section 123553.13.2.01.A Manufacturers.
 5. Section 123553.19 - Wood Laboratory Casework
 - a. Add Diversified Wood Casework to approved manufacturer's list, Section 123553.19.2.01.A Manufacturers.
 - b. Strike subsections 2.02.C Acid Storage Cabinets and 2.02.D Solvent (Flammable and Combustible Liquids) Storage Cabinets in their entirety. The intent is for acid storage and solvent storage cabinets to be metal. Refer to Section 123553.13 - Metal Laboratory Casework.
 - c. Strike 'maple' from subsection 2.10B Exposed Hardwood Plywood. The intent is to match the existing building standard.

CHANGES TO DRAWINGS:

1. Sheet A151 - Fifth Floor Demolition Plan
 - a. Add Specific Demolition Plan Note 18 to the closet underneath the stair, as shown on attached revised sheet.
2. Sheet A211 - First Floor Plan
 - a. Add Specific Floor Plan Note 22 to Teaching Lab 1011 as shown on attached revised sheet. The intent is for new concrete block to be installed in existing exterior wall where missing.
3. Sheet A231 - Third Floor Plan
 - a. Revise Specific Floor Plan Note indicating casework materials to note 4, as shown on attached revised sheet.
4. Sheet A821 - Second Floor Reflected Ceiling Plan
 - a. Add Specific Reflected Ceiling Plan Note 12 to read as follows:
"12. HATCHED AREA INDICATES LOCATION OF CFCI UNISTRUT SUPPORT SYSTEM. CONTRACTOR TO PROVIDE DELEGATED DESIGN OF THE UNISTRUT SUPPORT SYSTEM, DESIGNED AND STAMPED BY A PROFESSIONAL ENGINEER EXPERININCED IN DESIGN OF THIS WORK AND LICENSED IN THE STATE OF INDIANA. EACH UNISTRUT SYSTEM IS TO BE DESIGNED TO SUPPORT 1,000 LBS. REFER TO DETAIL A821_2 FOR ADDITIONAL INFORMATION."
 - b. Add Specific Reflected Ceiling Plan Note 12 to Optics 2015 as shown on attached sheet.
 - c. Add enlarged Unistrut Framing Plan A821_2 in its entirety, as shown on attached sheet.
 - d. Add section details A821_3 and 4 in their entirety, as shown on attached sheet.
5. Sheet EQ211 - First Floor Equipment Plan
 - a. Add Specific Equipment Plan Note 5 to read as follows:
"5. CFCI WIRE SHELVING WITH 74" POSTS ON 5" CASTERS, AND SOLID STAINLESS STEEL BOTTOM SHELF - SIMILAR TO INTERMETRO INDUSTRIES CORPORATION, SUPER ADJUSTABLE SUPER ERECTA. PROVIDE 2 LOCKING CASTERS PER SHELVING UNIT."
 - b. Add Specific Equipment Plan Note 5 to rooms 1004, 1006, and 1014 as shown on attached revised sheet.
 - c. Revise the First Floor Equipment Schedule as follows:
 - i. Revise BRD01 Equipment Description to read "96" GLASSBOARD", as shown on attached revised sheet.
 - ii. Revise Responsibility for WTB01 to VFVI. The intent is for these whiteboards to be provided by the Furniture vendor.
6. Sheet EQ221 - Second Floor Equipment Plan
 - a. Add Specific Equipment Plan Note 5 to read as follows:

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- “5. CFCI WIRE SHELVING WITH 74" POSTS ON 5" CASTERS, AND SOLID STAINLESS STEEL BOTTOM SHELF - SIMILAR TO INTERMETRO INDUSTRIES CORPORATION, SUPER ADJUSTABLE SUPER ERECTA. PROVIDE 2 LOCKING CASTERS PER SHELVING UNIT.”
- b. Add Specific Equipment Plan Note 5 to rooms 2015 as shown on attached revised sheet.
 - c. Revise Ceiling Service Panel Detail EQ221-2 as shown on attached revised sheet.
 - d. Revise the Equipment Description for BSC03 to include “72” BIOSAFETY CABINET” as shown on attached revised sheet.
7. Sheet EQ231 - Third Floor Equipment Plan
- a. Revise BRD01 Equipment Description to read “96” GLASSBOARD”, as shown on attached revised sheet.

Attachments:

- 1. CMTA - Addendum #2
- 2. Pre-Bid Sign-In
- 3. Section 055000
- 4. A151
- 5. A211
- 6. A231
- 7. A821
- 8. EQ211
- 9. EQ221
- 10. EQ231

END

Addendum #2

RE: Indiana University
BL417 GEOLOGICAL
SCIENCES - FACULTY
100 - GEOLOGICAL
SCIENCES

OWNER: The Trustees of
Indiana University
Bloomington, Indiana

PROJECT No. 20250361

CMTA PROJECT IUGE25

DATE: March 20, 2026

ISSUED BY: CMTA Inc.
9225 Priority Way West Drive, Suite 130
Indianapolis, IN 46240

TO: Indiana University

This Addendum modifies the Bidding Documents, and will become part of the Contract Documents. Acknowledge receipt of this Addendum on Bid Form. Failure to do so may subject the Bidder to disqualification.

GENERAL CLARIFICATIONS:

None.

CHANGES TO BIDDING REQUIREMENTS:

None.

CHANGES TO SPECIFICATIONS:

None.

CHANGES TO DRAWINGS:

1. Sheet P200 – BASEMENT PLUMBING PLANS
 - a. Added 2" APW piping serving ES/EEW-1 in Teach Lab 1011.
2. Sheet P201 – FIRST FLOOR PLUMBING PLANS
 - a. Added ES/EEW-1 and associated piping and accessories to Teach Lab 1011.
 - b. Added ½" oxygen pipe to Cell Culture 1012.
 - c. Downsized HW and LCW pipes serving Lab Support 1014.
 - d. Removed ES/EEW-1 in 1014 in lieu of drench hose eye wash device.
 - e. Modified plan notes.
3. Sheet E102 – SECOND FLOOR - EAST WING - ELECTRICAL DEMOLITION PLANS
 - a. Revised tagged note #D12 for fire alarm system work.
4. Sheet E201 – FIRST FLOOR - EAST WING - ELECTRICAL PLANS
 - a. Revised tagged note #E16 for access controls work.
5. Sheet E202 – SECOND FLOOR - EAST WING - ELECTRICAL PLANS
 - a. Revised tagged notes #E3, #E9, and #E16 for fire alarm system and access controls work.
 - b. Added tagged note #E29 for revised access controls work.
 - c. Power connection added for new door access controls equipment.
6. Sheet E203 – THIRD FLOOR - EAST WING - ELECTRICAL PLANS
 - a. Revised tagged note #E16 for access controls work.
7. Sheet E205 – FIFTH FLOOR - EAST WING - ELECTRICAL PLANS
 - a. Revised tagged note #E16 for access controls work.
8. Sheet E300 – PARTIAL INTERCONNECTION PLANS - BASEMENT & FIRST FLOOR
 - a. Added location of existing main FACP.
 - b. Revised scope for access controls system connections.
9. Sheet E301 – PARTIAL INTERCONNECTION PLANS - SECOND FLOOR & THIRD FLOOR
 - a. Revised scope for access controls system connections.
 - b. Revised scope for data system connections.
10. Sheet E302 – PARTIAL INTERCONNECTION PLANS - FOURTH & FIFTH FLOORS
 - a. Added tagged note #IT13.
 - b. Revised scope for access controls system connections.
11. Sheet E602 – ELECTRICAL DETAILS
 - a. Added detail for fire alarm system connections. Detail #3 on revised sheet.

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17 March 2026 - AM

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20250361 – BL417 Geological Sciences Phase 2 F100
IGWS East (F100) Lab Renovations

Pre-Bid Conference

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17 March 2026 -PM

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IGWS East (F100) Lab Renovations

Pre-Bid Conference

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SECTION 055000
METAL FABRICATIONS

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Shop fabricated steel and aluminum items.

1.02 RELATED REQUIREMENTS

- A. Section 033000 - Cast-in-Place Concrete: Placement of metal fabrications in concrete.
- B. Section 042000 - Unit Masonry: Placement of metal fabrications in masonry.
- C. Section 051200 - Structural Steel Framing: Structural steel column anchor bolts.
- D. Section 052100 - Steel Joist Framing: Structural joist bearing plates, including anchorage.
- E. Section 053100 - Steel Decking: Bearing plates for metal deck bearing, including anchorage.
- F. Section 055100 - Metal Stairs.
- G. Section 099113 - Exterior Painting: Paint finish.
- H. Section 099123 - Interior Painting: Paint finish.

1.03 REFERENCE STANDARDS

- A. AAMA 611 - Specification for Anodized Architectural Aluminum; 2024.
- B. ANSI A14.3 - American National Standard for Ladders -- Fixed -- Safety Requirements; 2008 (Reaffirmed 2018).
- C. ASTM A36/A36M - Standard Specification for Carbon Structural Steel; 2019.
- D. ASTM A48/A48M - Standard Specification for Gray Iron Castings; 2022.
- E. ASTM A53/A53M - Standard Specification for Pipe, Steel, Black and Hot-Dipped, Zinc-Coated, Welded and Seamless; 2024.
- F. ASTM A123/A123M - Standard Specification for Zinc (Hot-Dip Galvanized) Coatings on Iron and Steel Products; 2024.
- G. ASTM A153/A153M - Standard Specification for Zinc Coating (Hot-Dip) on Iron and Steel Hardware; 2023.

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- H. ASTM A283/A283M - Standard Specification for Low and Intermediate Tensile Strength Carbon Steel Plates; 2024.
 - I. ASTM A307 - Standard Specification for Carbon Steel Bolts, Studs, and Threaded Rod 60 000 PSI Tensile Strength; 2021.
 - J. ASTM A500/A500M - Standard Specification for Cold-Formed Welded and Seamless Carbon Steel Structural Tubing in Rounds and Shapes; 2023.
 - K. ASTM A501/A501M - Standard Specification for Hot-Formed Welded and Seamless Carbon Steel Structural Tubing; 2021.
 - L. ASTM A653/A653M - Standard Specification for Steel Sheet, Zinc-Coated (Galvanized) or Zinc-Iron Alloy-Coated (Galvannealed) by the Hot-Dip Process; 2025a.
 - M. ASTM A1011/A1011M - Standard Specification for Steel, Sheet and Strip, Hot-Rolled, Carbon, Structural, High-Strength Low-Alloy, High-Strength Low-Alloy with Improved Formability, and Ultra-High Strength; 2025.
 - N. ASTM B210/B210M - Standard Specification for Aluminum and Aluminum-Alloy Drawn Seamless Tubes; 2019a.
 - O. ASTM B211/B211M - Standard Specification for Aluminum and Aluminum-Alloy Rolled or Cold Finished Bar, Rod, and Wire; 2019.
 - P. ASTM B26/B26M - Standard Specification for Aluminum-Alloy Sand Castings; 2018, with Editorial Revision.
 - Q. ASTM B85/B85M - Standard Specification for Aluminum-Alloy Die Castings; 2025.
 - R. ASTM B209/B209M - Standard Specification for Aluminum and Aluminum-Alloy Sheet and Plate; 2021a.
 - S. ASTM B210 - Standard Specification for Aluminum and Aluminum-Alloy Drawn Seamless Tubes; 2012.
 - T. ASTM B210M - Standard Specification for Aluminum and Aluminum-Alloy Drawn Seamless Tubes (Metric); 2012.
 - U. ASTM B211 - Standard Specification for Aluminum and Aluminum-Alloy Rolled or Cold Finished Bar, Rod, and Wire; 2012.
 - V. ASTM B211M - Standard Specification for Aluminum and Aluminum-Alloy Rolled or Cold-Finished Bar, Rod, and Wire (Metric); 2012.
 - W. ASTM B221 - Standard Specification for Aluminum and Aluminum-Alloy Extruded Bars, Rods, Wire, Profiles, and Tubes; 2021.

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- X. ASTM B221M - Standard Specification for Aluminum and Aluminum-Alloy Extruded Bars, Rods, Wire, Profiles, and Tubes (Metric); 2021.
 - Y. ASTM B633 - Standard Specification for Electrodeposited Coatings of Zinc on Iron and Steel; 2023.
 - Z. ASTM F3125/F3125M - Standard Specification for High Strength Structural Bolts and Assemblies, Steel and Alloy Steel, Heat Treated, Inch Dimensions 120 ksi, 144 ksi, and 150 ksi Minimum Tensile Strength, and Metric Dimensions 830 MPa and 1040 MPa Minimum Tensile Strength; 2025a.
 - AA. AWS A2.4 - Standard Symbols for Welding, Brazing, and Nondestructive Examination; 2020.
 - BB. AWS D1.1/D1.1M - Structural Welding Code - Steel; 2025, with Errata (2026).
 - CC. AWS D1.2/D1.2M - Structural Welding Code - Aluminum; 2014, with Errata (2020).
 - DD. IAS AC172 - Accreditation Criteria for Fabricator Inspection Programs for Structural Steel AC172; 2019, with Editorial Revision (2025).
 - EE. SSPC-Paint 15 - Steel Joist Shop Primer/Metal Building Primer; 2004.
 - FF. SSPC-Paint 20 - Zinc-Rich Coating (Type I - Inorganic, and Type II - Organic); 2019.
 - GG. SSPC-SP 2 - Hand Tool Cleaning; 2024.

1.04 SUBMITTALS

- A. See Section 013000 - Administrative Requirements, for submittal procedures.
- B. Shop Drawings: Indicate profiles, sizes, connection attachments, reinforcing, anchorage, size and type of fasteners, and accessories. Include erection drawings, elevations, and details where applicable.
 - 1. Indicate welded connections using standard AWS A2.4 welding symbols. Indicate net weld lengths.
 - 2. Design data: Submit drawings and supporting calculations, signed and sealed by a qualified professional structural engineer licensed in the State of Indiana.
 - a. Include the following, as applicable:
 - 1) Design criteria.
 - 2) Engineering analysis depicting stresses and deflections.
 - 3) Member sizes and gauges.
 - 4) Details of connections.
 - 5) Support reactions.

6) Bracing requirements.

- C. Designer's Qualification Statement.
- D. Fabricator's Qualification Statement: Provide documentation showing steel fabricator is accredited under IAS AC172.

1.05 QUALITY ASSURANCE

- A. Fabricator Qualifications: A qualified steel fabricator that is accredited by IAS AC172.
- B. Welding Qualifications: Qualify procedures and personnel according to the following:
 - 1. AWS D1.1/D1.1M, "Structural Welding Code - Steel."

PART 2 PRODUCTS

2.01 MATERIALS - STEEL

- A. Steel Sections: ASTM A36/A36M.
- B. Steel Tubing: ASTM A501/A501M hot-formed structural tubing.
- C. Plates: ASTM A283/A283M.
- D. Pipe: ASTM A53/A53M, Grade B Schedule 40, black finish.
- E. Slotted Channel Framing: ASTM A653/A653M, Grade 33.
- F. Slotted Channel Fittings: ASTM A1011/A1011M.
- G. Bolts, Nuts, and Washers: ASTM A307, Grade A, plain.
- H. Bolts, Nuts, and Washers: ASTM F3125/F3125M, Type 1, plain.
- I. Welding Materials: AWS D1.1/D1.1M; type required for materials being welded.
- J. Shop and Touch-Up Primer: SSPC-Paint 15, complying with VOC limitations of authorities having jurisdiction.
- K. Touch-Up Primer for Galvanized Surfaces: SSPC-Paint 20, Type I - Inorganic, complying with VOC limitations of authorities having jurisdiction.

2.02 MATERIALS - ALUMINUM

- A. Extruded Aluminum: ASTM B221 (ASTM B221M), 6063 alloy, T6 temper.
- B. Sheet Aluminum: ASTM B209/B209M, 5052 alloy, H32 or H22 temper.

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- C. Aluminum-Alloy Drawn Seamless Tubes: ASTM B210/B210M, 6063 alloy, T6 temper.
 - D. Aluminum-Alloy Bars: ASTM B211/B211M, 6061 alloy, T6 temper.
 - E. Aluminum-Alloy Sand Castings: ASTM B26/B26M.
 - F. Aluminum-Alloy Die Castings: ASTM B85/B85M.
 - G. Bolts, Nuts, and Washers: Stainless steel.
 - H. Welding Materials: AWS D1.2/D1.2M; type required for materials being welded.

2.03 FABRICATION

- A. Fit and shop assemble items in largest practical sections, for delivery to site.
- B. Fabricate items with joints tightly fitted and secured.
- C. Grind exposed joints flush and smooth with adjacent finish surface. Make exposed joints butt tight, flush, and hairline. Ease exposed edges to small uniform radius.
- D. Furnish components required for anchorage of fabrications. Fabricate anchors and related components of same material and finish as fabrication, except where specifically noted otherwise.

2.04 FABRICATED ITEMS

- A. Bollards: Steel pipe, concrete filled, crowned cap, as detailed; prime paint finish.
- B. Ledge Angles, Shelf Angles, Channels, and Plates Not Attached to Structural Framing: For support of metal decking; prime paint finish.
- C. Lintels: As detailed; galvanized finish.
- D. Slotted Channel Framing: Fabricate channels and fittings from structural steel complying with the referenced standards; factory-applied, rust-inhibiting thermoset acrylic enamel finish.
 - 1. Color: White

2.05 FINISHES - STEEL

- A. Prime paint steel items.
 - 1. Exceptions: Galvanize items to be embedded in concrete, items to be embedded in masonry, and items specified for galvanized finish.
 - 2. Exceptions: Do not prime surfaces in direct contact with concrete, where field welding is required, and items to be covered with sprayed fireproofing.

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- B. Prepare surfaces to be primed in accordance with SSPC-SP2.
 - C. Clean surfaces of rust, scale, grease, and foreign matter prior to finishing.
 - D. Prime Painting: One coat.
 - E. Galvanizing of Structural Steel Members: Galvanize after fabrication to ASTM A123/A123M requirements. Provide minimum 1.7 oz/sq ft galvanized coating.
 - F. Galvanizing of Non-structural Items: Galvanize after fabrication to ASTM A123/A123M requirements.

2.06 FINISHES - ALUMINUM

- A. Exterior Aluminum Surfaces: Class I color anodized.
- B. Class I Color Anodized Finish: AAMA 611 AA-M12C22A44 Electrolytically deposited colored anodic coating not less than 0.7 mils thick; dark bronze.
- C. Apply one coat of bituminous paint to concealed aluminum surfaces in contact with cementitious or dissimilar materials.

2.07 FABRICATION TOLERANCES

- A. Squareness: 1/8 inch maximum difference in diagonal measurements.
- B. Maximum Offset Between Faces: 1/16 inch.
- C. Maximum Misalignment of Adjacent Members: 1/16 inch.
- D. Maximum Bow: 1/8 inch in 48 inches.
- E. Maximum Deviation From Plane: 1/16 inch in 48 inches.

PART 3 EXECUTION

3.01 EXAMINATION

- A. Verify that field conditions are acceptable and are ready to receive work.

3.02 PREPARATION

- A. Clean and strip primed steel items to bare metal where site welding is required.
- B. Furnish setting templates to the appropriate entities for steel items required to be cast into concrete or embedded in masonry.

3.03 INSTALLATION

- A. Install items plumb and level, accurately fitted, free from distortion or defects.

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- B. Provide for erection loads, and for sufficient temporary bracing to maintain true alignment until completion of erection and installation of permanent attachments.
 - C. Field weld components as indicated on drawings.
 - D. Perform field welding in accordance with AWS D1.1/D1.1M.
 - E. Obtain approval prior to site cutting or making adjustments not scheduled.
 - F. After erection, prime welds, abrasions, and surfaces not shop primed , except surfaces to be in contact with concrete.

3.04 TOLERANCES

- A. Maximum Variation From Plumb: 1/4 inch per story, non-cumulative.
- B. Maximum Offset From True Alignment: 1/4 inch.
- C. Maximum Out-of-Position: 1/4 inch.

END OF SECTION

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GENERAL DEMOLITION NOTES

- THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO BIDDING AND SHALL BE RESPONSIBLE FOR PROJECT COMPLETION THAT IS CONSISTENT WITH THE INTENT OF THE DESIGN AND ALL APPLICABLE BUILDING CODES.
- ALL DRAWING ITEMS INDICATED ON THIS PLAN WITH HEAVY DASHED LINES AS WELL AS OUTLETS AND OTHER DEVICES ASSOCIATED WITH THESE ITEMS SHALL BE REMOVED IN THEIR ENTIRETY UNLESS NOTED OTHERWISE. REMOVE RELATED MECHANICAL, ELECTRICAL, AND PLUMBING (M.E.P.) ITEMS AS REQUIRED FOR NEW CONSTRUCTION. REFER TO M.E.P. DRAWINGS FOR ADDITIONAL INFORMATION.
- REMOVE ALL EXISTING FINISHES INCLUSIVE OF FLOORING, BASE, WALL COVERINGS AND CEILING SYSTEMS THROUGHOUT AND IN THEIR ENTIRETY AS REQUIRED FOR NEW CONSTRUCTION.
- MAKE DEMOLITION CLEAN AND COMPLETE IN A MANNER TO ACCEPT NEW FINISHES AND/OR SURFACES OR AS PER PRODUCT MANUFACTURER'S SPECIFICATIONS WHERE THOSE REQUIREMENTS ARE MORE RESTRICTIVE.
- WHEN DEMOLITION CAUSES OR EXPOSES DAMAGE OR UNSUITABLE SURFACES TO FLOOR, WALL OR CEILING SURFACES TO REMAIN EXPOSED IN THE FINISHED WORK, THE CONTRACTOR SHALL PATCH AND REPAIR CONDITIONS IN A MANNER TO ACCEPT NEW FINISHES AND/OR SURFACES AS PER PRODUCT MANUFACTURER'S SPECIFICATIONS WHERE THOSE REQUIREMENTS ARE MORE RESTRICTIVE.
- ALL DEMOLITION ITEMS SHALL BE CONSIDERED THE PROPERTY OF THE OWNER UNTIL VERIFICATION HAS BEEN RECEIVED FROM THE OWNER REGARDING THEIR DISPOSAL PRIOR TO REMOVAL FROM THE SITE. ALL ITEMS NOT TO BE RETAINED BY THE OWNER SHALL BE REMOVED IN THEIR ENTIRETY.
- TEMPORARY PARTITIONS AND DOORS SHALL BE PROVIDED AND MAINTAINED BY THE GENERAL CONTRACTOR AS REQUIRED BY THE OWNER, ARCHITECT, AND ENGINEER. GENERAL CONTRACTOR SHALL COORDINATE EXACT LOCATION WITH OWNER PRIOR TO CONSTRUCTION.
- WHERE ANY NEW OR EXISTING DUCTWORK OR PIPING PENETRATIONS IN THE FLOOR ARE TO BE REMOVED OR RELOCATED, THE PENETRATIONS ARE TO BE FILLED WITH CONCRETE THE FULL FLOOR THICKNESS AND FINISHED IN A MANNER SUITABLE TO ACCEPT NEW FINISHES.
- WHERE ANY NEW OR EXISTING DUCTWORK OR PIPING PENETRATIONS IN THE WALLS ABOVE CEILING ARE TO BE REMOVED OR RELOCATED, THE PENETRATIONS ARE TO BE PATCHED AND REPAIRED AS REQUIRED TO MATCH ADJACENT FINISHES OR ACCEPT NEW FINISHES AS APPLICABLE.
- GENERAL CONTRACTOR IS RESPONSIBLE FOR PROTECTING OWNER EQUIPMENT WHICH CANNOT BE REMOVED FROM THE PROJECT AREA. CONTRACTOR TO COORDINATE WITH OWNER FOR REMOVAL OR RELOCATION OF EQUIPMENT AND CONSTRUCTION.
- WHERE EXTERIOR WALLS, WINDOWS, AND/OR DOORS ARE TO BE REMOVED OR MODIFIED, THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO ENSURE THAT THE EXISTING BUILDING REMAINS WEATHER TIGHT AND WITHOUT DRAFTS.
- COORDINATE WITH ARCHITECT AND FACILITY STAFF. PROJECT PHASING TO MINIMIZE DISRUPTION OF EXISTING FACILITY SERVICES. PHASING TO INCLUDE ASSURANCE FOR CLEAN TO DIRTY AIRFLOW, EMERGENCY PROCEDURES, CRITERIA FOR INTERRUPTIONS, AND COMMUNICATION AUTHORITY. CONTRACTOR, OWNER, AND FACILITY STAFF TO PLAN FOR PROCEDURES ON THE EFFECTS OF NOISE AND VIBRATION ON HUMAN HEALTH AND SAFETY. THE DEMOLISHED AREAS SHALL BE ISOLATED FROM THE OCCUPIED AREAS DURING ALL PHASES OF CONSTRUCTION USING AIR TIGHT BARRIERS, AND EXHAUST AIR FLOW SHALL BE SUFFICIENT TO MAINTAIN NEGATIVE AIR PRESSURE IN THE CONSTRUCTION ZONE.
- CONTRACTOR SHALL FAMILIARIZE THEMSELVES WITH EXISTING CONDITIONS PRIOR TO SUBMISSION OF BIDS.
- ALL TRADES ARE TO VERIFY THAT ALL SALVAGED ITEMS TO BE REINSTALLED ARE IN WORKING ORDER PRIOR TO REMOVAL.
- COORDINATE WITH PLUMBING PLAN THE EXTENT OF EXISTING SLAB TO BE REMOVED AS REQUIRED FOR NEW UNDERGROUND PLUMBING WORK. INSTALL TRENCH WITH 3,000 PSI NORMAL WEIGHT CONCRETE, 4'-6" SLUMP. PROVIDE NEW VAPOR BARRIER OVER EXISTING SUBGRADE AND ALL JOINTS/PENETRATIONS PRIOR TO INSTALLATION OF NEW CONCRETE. DO NOT NEW SLAB TO EXISTING SLAB USING #4 DOWELS, 18" LONG, SPACED AT 24" O.C. - EMBED MINIMUM 6" INTO EXISTING SLAB USING HILTY HY150 MAX ADHESIVE. REFER TO PLUMBING INFORMATION.

SPECIFIC DEMOLITION PLAN NOTES

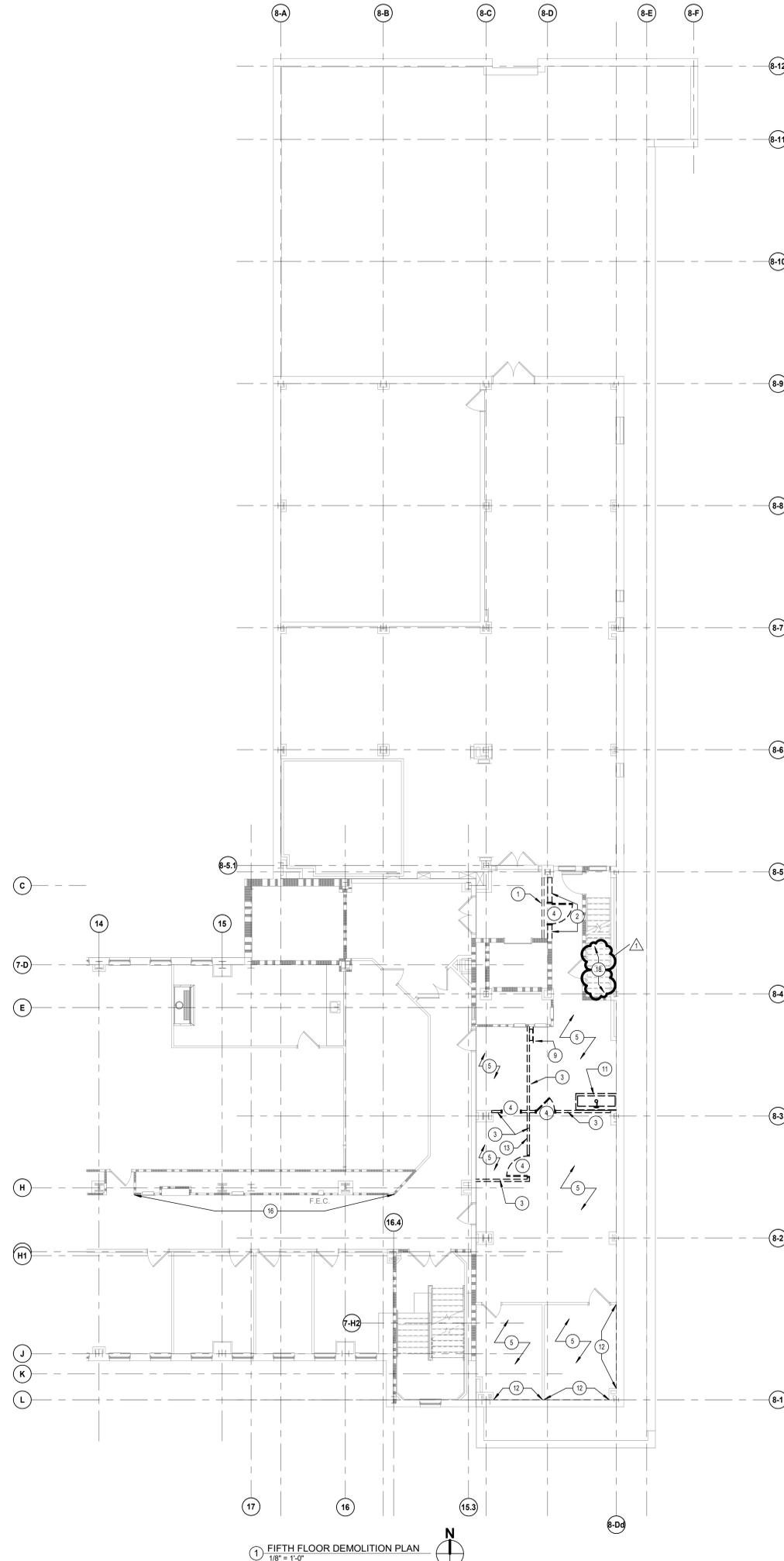
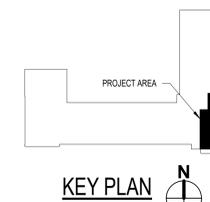
- TEMPORARY CONSTRUCTION CONTAINMENT BARRIER, COORDINATE ALL CONSTRUCTION CONTAINMENT REQUIREMENTS WITH OWNER.
- REMOVE PORTION OF EXISTING WALL AS REQUIRED FOR NEW CONSTRUCTION. PATCH/REPAIR/PREPARE ADJACENT SURFACES AS REQUIRED FOR NEW CONSTRUCTION.
- REMOVE EXISTING WALL IN ITS ENTIRETY. PATCH/REPAIR/PREPARE ADJACENT SURFACES AS REQUIRED FOR NEW CONSTRUCTION.
- REMOVE EXISTING DOOR, FRAME, AND HARDWARE IN ITS ENTIRETY. PATCH/REPAIR/PREPARE ADJACENT SURFACES AS REQUIRED FOR NEW CONSTRUCTION.
- REMOVE EXISTING FLOORING IN ITS ENTIRETY. PATCH/REPAIR/PREPARE ADJACENT SURFACES AS REQUIRED FOR NEW CONSTRUCTION.
- EXISTING HIGH-DENSITY STORAGE SYSTEM TO BE REMOVED AND SALVAGED FOR REINSTALLATION BY OWNER. COORDINATE WITH OWNER ON SALVAGE. PATCH/REPAIR/PREPARE ADJACENT SURFACES AS REQUIRED FOR NEW CONSTRUCTION.
- REMOVE EXISTING WALL CAP IN ITS ENTIRETY. PATCH/REPAIR/PREPARE ADJACENT SURFACES AS REQUIRED TO RECEIVE NEW WALL CONSTRUCTION AND FINISHES.
- EXISTING FLOORING TO REMAIN IN NEW STAIR ENCLOSURE. PROVIDE NEW FLOORING TRANSITION STRIP AS REQUIRED FOR NEW CONSTRUCTION.
- EXISTING PANEL, TO BE RELOCATED - REFER TO ELECTRICAL FOR ADDITIONAL INFORMATION. PATCH AND REPAIR WALL AS REQUIRED FOR NEW CONSTRUCTION.
- FABRIC-WRAPPED WALL PANELS TO REMAIN.
- REMOVE EXISTING PLUMBING FIXTURE IN ITS ENTIRETY. PATCH/REPAIR/PREPARE ADJACENT SURFACES AS REQUIRED FOR NEW CONSTRUCTION.
- REMOVE EXISTING FABRIC COVERED INSULATING WALL PANELS IN THEIR ENTIRETY. THIS SPACE, PATCH AND REPAIR SURFACES AS REQUIRED TO RECEIVE NEW FINISHES.
- REMOVE EXISTING MECHANICAL UNIT IN ITS ENTIRETY. PATCH/REPAIR/PREPARE ADJACENT SURFACES AS REQUIRED FOR NEW CONSTRUCTION. REFER TO MEP DOCUMENTS FOR ADDITIONAL INFORMATION.
- REMOVE EXISTING WALL BOARD AT NEW PLUMBING FIXTURE LOCATIONS AND REPLACE WITH MOISTURE-RESISTANT DWYALL 2'-0" EACH SIDE OF CENTERLINE OF FIXTURE, INCLUDING ADJACENT WALLS. INSTALL FROM FINISHED FLOOR TO 8'-0" A.F.F.
- BASE BID: EXISTING DOOR AND FRAME TO REMAIN. ALTERNATE 2: REMOVE EXISTING DOOR AND FRAME IN ITS ENTIRETY. SALVAGE EXISTING HARDWARE TO REUSE. REFER TO FLOOR PLAN AND DOOR SCHEDULE FOR ADDITIONAL INFORMATION.
- REFER TO MECHANICAL, ELECTRICAL AND PLUMBING DRAWINGS FOR INFRASTRUCTURE TO BE REMOVED. PATCH AND REPAIR HOLES AND OPENINGS AS REQUIRED FOR FINISHED CONSTRUCTION.
- BASE BID: REPLACE EXISTING KNOB WITH LEVER HARDWARE SET 03. REFER TO DOOR SCHEDULE FOR ADDITIONAL INFORMATION. ALTERNATE 2: REMOVE EXISTING DOOR FRAME, AND HARDWARE IN ITS ENTIRETY. PATCH/REPAIR/PREPARE ADJACENT SURFACES AS REQUIRED FOR NEW CONSTRUCTION. REFER TO DOOR SCHEDULE FOR ADDITIONAL INFORMATION.
- REMOVE EXISTING SHELVING IN THEIR ENTIRETY. PATCH/REPAIR/PREPARE ADJACENT SURFACES AS REQUIRED FOR NEW CONSTRUCTION.
- REMOVE EXISTING DOOR LEAF AND HARDWARE AND REPLACE. EXISTING DOOR FRAME TO REMAIN. REFER TO DOOR SCHEDULE FOR ADDITIONAL INFORMATION.

WALL RATINGS LEGEND

NEW		EXISTING	
1 HOUR FIRE BARRIER		1 HOUR FIRE BARRIER	
1 HOUR FIRE RATED SMOKE BARRIER		1 HOUR FIRE RATED SMOKE BARRIER	
2 HOUR FIRE BARRIER		2 HOUR FIRE BARRIER	
2 HOUR FIRE/SMOKE BARRIER		2 HOUR FIRE/SMOKE BARRIER	
3 HOUR FIRE WALL		3 HOUR FIRE WALL	
SMOKE RESISTANT HAZARDOUS ROOM PARTITION		SMOKE RESISTANT HAZARDOUS ROOM PARTITION	
NON-RATED SMOKE PARTITION		NON-RATED SMOKE PARTITION	

ALL RATED WALLS AND SMOKE PARTITIONS SHALL EXTEND FROM THE FLOOR TO THE BOTTOM OF THE STRUCTURAL FLOOR OR ROOF SLAB ABOVE. SEAL/PRESTOP AT TOP AND BOTTOM OF WALL AND AROUND ALL PENETRATIONS. PACK SAFING INSULATION IN THE VOID SPACE BETWEEN METAL DECK FLUTES AND THE TOP OF THE RUNNER CHANNEL. CONTRACTOR SHALL FURNISH AND INSTALL ALL FIREPROOFING MATERIALS NECESSARY TO MAINTAIN THE INTEGRITY OF FIRE RATED CONSTRUCTION. CONTRACTOR SHALL PROVIDE FIRESTOPPING WITH UL LISTING AS REQUIRED BY THE MANUFACTURER'S RECOMMENDATION TO COMPLETE THE INTENDED ASSEMBLY OF THE WALL TYPE.

REFER TO SHEETS A01 AND A02 FOR WALL-PARTITION PRIORITY DETAIL AND INFORMATION. THIS DETAIL APPLIES TO ALL INTERSECTIONS OF RATED WALLS AND NON-RATED WALLS.



1 FIFTH FLOOR DEMOLITION PLAN
1/8" = 1'-0"

DATE: 3/14/2025
SCALE: AS SHOWN
PROJECT: BL 417 GEOLOGY PHASE 2 - FACILITY 100
DRAWN BY: J. WILSON
CHECKED BY: M. HARRIS
APPROVED BY: J. WILSON
PROJECT AREA: BL 417 GEOLOGY PHASE 2 - FACILITY 100
CONTRACT NO.: 317-953-3369
SHEET NO.: 14/17

REVISIONS
1 ADD NO. 1 3/20/2025

20250361 - BL 417 GEOLOGY PHASE 2 - FACILITY 100
INDIANA UNIVERSITY BLOOMINGTON: BL417 GEOLOGICAL SCIENCES
BL417: 1001 E. 10TH STREET
BLOOMINGTON, IN 47405

CONSTRUCTION DOCUMENTS

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Artekna Design - A Professional Corporation
321 East New York Street, Indianapolis, Indiana 46204
Office: 317.953.3369 | Fax: 317.953.3369 | www.artekna.com

FIFTH FLOOR
DEMOLITION PLAN
A151

GENERAL PLAN NOTES

- ALL DIMENSIONS ARE TO FACE OF FINISHED WALL, OR CENTERLINE OF COLUMNS, UNLESS OTHERWISE NOTED.
- REFER TO SHEETS A001 AND A002 FOR WALL TYPE DESIGNATIONS AND WALL RATINGS LEGENDS. ALL INTERIOR WALLS ARE TYPE "AZ" UNLESS OTHERWISE NOTED OR INDICATED TO BE A SMOKE AND/OR FIRE ENCLOSURE. COORDINATE WITH WALL RATINGS LEGEND AND WALL TYPE INFORMATION.
- REFER TO SHEET A001 FOR ACCESSIBILITY, MANUEVERING CLEARANCES, TYPICAL DIMENSIONS, ACCESSORY SCHEDULE ETC.
- ALL DOORS MUST MEET REQUIREMENTS OF INDIANA ACCESSIBILITY CODE. REFER TO SHEET A001 FOR DOOR CLEARANCE REQUIREMENTS.
- PROVIDE ENCLOSURES FOR REQUIREMENTS OF CASEWORK WALL CABINETS AND FIXED SHELVES WHERE THESE CASEWORK ELEMENTS MEET IN A CORNER. ALL OUTSIDE CORNERS OF COUNTERTOPS, TRANSACTION TOPS, ETC. SHALL HAVE A 2" RADIUS, UNLESS NOTED OTHERWISE.
- COUNTERTOPS SHALL BE 2" DEEP UNLESS INDICATED OTHERWISE OR REQUIRED TO BE DEEPER BY EQUIPMENT SHOWN ON THE DRAWINGS. REFER TO SLOPE SURFACE COUNTERTOP DETAIL A001-7.
- ALL EXTERIOR WINDOWS TO RECEIVE ROLLER SHADE WHERE INDICATED BY PLAN NOTE. PROVIDE BLACKOUT SHADE AS INDICATED BY PLAN NOTE.
- ALL CORRIDOR WALLS SHALL RESIST THE PASSAGE OF SMOKE FROM FINISH FLOOR UP TO AND INCLUDING DECK ABOVE. SEAL ALL PENETRATIONS, OPENINGS, GAPS, ETC.
- INSTALL CONTROL JOINTS IN DRYWALL PER PROJECT MANUAL.
- INSTALL SLIP TRACK STUD CONNECTION AT ALL METAL STUDS THAT EXTEND TO DECK ABOVE.
- COORDINATE WITH OWNER AND FACILITY STAFF. PHASING TO MINIMIZE DISRUPTION OF EXISTING FACILITY SERVICES. PHASING TO INCLUDE ASSURANCE FOR CLEAN TO DIRTY AIRFLOW, EMERGENCY PROCEDURES, CRITERIA FOR INTERRUPTIONS, AND COMMUNICATION AUTHORITY. CONTRACTOR, OWNER, AND FACILITY STAFF TO PLAN FOR PROCEDURES ON THE EFFECTS OF NOISE AND VIBRATION ON HUMAN HEALTH AND SAFETY. THE RENOVATED AREAS SHALL BE ISOLATED FROM THE OCCUPIED AREAS DURING ALL PHASES OF CONSTRUCTION USING AIR TIGHT BARRIERS, AND EXHAUST AIR FLOW SHALL BE SUFFICIENT TO MAINTAIN NEGATIVE AIR PRESSURE IN THE CONSTRUCTION ZONE.
- VERIFY ALL CRITICAL DIMENSIONS WITHIN AND/OR RELATED TO THE EXISTING BUILDING, DIMENSIONS, AND CONDITIONS INDICATED WHERE DETERMINED BY VISUAL SURVEY AND/OR BY INFORMATION FROM EXISTING DRAWINGS. ANY DISCREPANCIES SHALL BE COORDINATED WITH ARCHITECT.
- PROVIDE FIRE EXTINGUISHER CABINETS IN LOCATIONS INDICATED ON PLAN. ALL FIRE EXTINGUISHER CABINETS SHALL BE CENTERED WITHIN THE WALL IN WHICH THEY ARE LOCATED, UNLESS OTHERWISE INDICATED ON THE PLAN.
- REFER TO PROJECT MANUAL AND SHEET A011 FOR INFORMATION REGARDING METAL STUD FRAMING AT ALL DOOR LOCATIONS.
- PROVIDE FILLER PANELS IN CORNERS WHERE CASEWORK DOORS/DRAWERS MEET AS REQUIRED TO PROVIDE ADEQUATE ROOM FOR OPERATION.
- ALL REFERENCES TO "TREATED" WOOD SHALL MEAN FIRE-RETARDANT TREATED.
- THE CONTRACTOR IS RESPONSIBLE FOR MEAN OF ALL EQUIPMENT INFORMATION (OWNER FURNISHED, VENDOR FURNISHED AND CONTRACTOR FURNISHED) PERTAINING TO THESE CONTRACT DOCUMENTS. ADDITIONAL EQUIPMENT INFORMATION IS LOCATED IN THE PROJECT MANUAL, VENDOR INFORMATION, AND ONLINE VENDOR INSTALLATION MANUALS, ETC. THE PHRASE "BY OWNER OR CONTRACTOR" IN EQUIPMENT INFORMATION SHALL BE INTERPRETED TO MEAN BY CONTRACTOR.
- ALL FIRE RATED WALLS AND FLOOR PENETRATIONS SHALL COMPLY WITH ASTM E814. ALL PENETRATIONS THROUGH EXISTING WALLS SHALL MEET THE EXISTING WALL RATING. REFER TO PROJECT MANUAL SECTION 07400 FOR ADDITIONAL INFORMATION.
- PROVIDE MOLD RESISTANT DRYWALL AT ALL LOCATIONS SPECIFIED IN THE PROJECT MANUAL.

SPECIFIC FLOOR PLAN NOTES

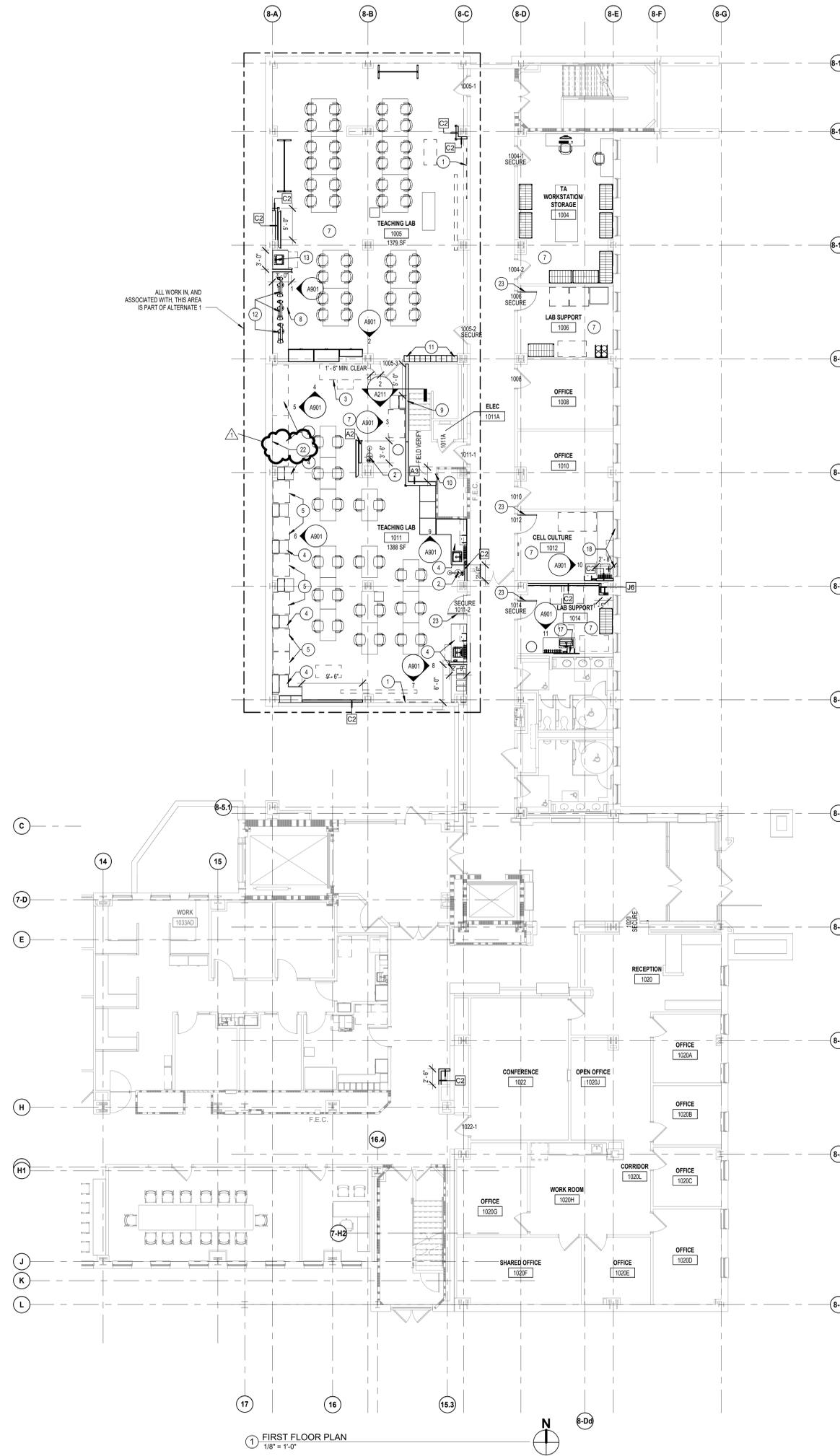
- WALL MOUNTED GLASSBOARD WITH BLOCKING AS REQUIRED. COORDINATE EXACT LOCATION OF GLASS BOARDS IN FIELD WITH OWNER.
- SAFETY SHOWER AND EYEWASH - REFER TO PLUMBING INFORMATION.
- 8' FUME HOOD AND METAL LAB CASEWORK INSTALLED BY CONTRACTOR.
- NEW CHEMICAL RESISTANT COUNTERTOP ON WOOD LAB CASEWORK BASES. REFER TO CASEWORK ELEVATIONS FOR ADDITIONAL INFORMATION.
- CONTRACTOR INSTALLED BIO SAFETY CABINET, COORDINATE WITH LAB CASEWORK.
- SEALED CONCRETE FLOOR THIS LOCATION. PATCH AND REPAIR SLAB AS APPROPRIATE TO RECEIVE NEW FINISH.
- NEW STATIC DISSIPATIVE COUNTERTOP ON WOOD LAB CASEWORK BASES. REFER TO CASEWORK ELEVATIONS FOR ADDITIONAL INFORMATION.
- NEW G.W.B. AND METAL STUD WALL ON TOP OF EXISTING PARTIAL HEIGHT CMU WALL. REFER TO SECTION DETAIL A211-1 FOR ADDITIONAL INFORMATION.
- EXISTING ACCESS PANEL TO REMAIN. COORDINATE LOCATION OF NEW STAIR ENCLOSURE WALL WITH ACCESS PANEL LOCATION. PANEL IS TO BE COMPLETELY INSIDE NEW STAIR ENCLOSURE AND ACCESS MAINTAINED.
- 12" DEEP 5-TIER LOCKERS - REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.
- CEILING MOUNTED SMOKEVEL - REFER TO MECHANICAL FOR ADDITIONAL INFORMATION.
- SINK MOUNTED EYEWASH - REFER TO PLUMBING FOR ADDITIONAL INFORMATION.
- PATCH AND REPAIR WALLS WHERE WALL MOUNTED EQUIPMENT AND UTILITIES REMOVED; REPAIR
- CEILING MOUNTED OPTICAL TABLE LASER SAFETY CURTAIN
- REMOVE AND REPAIR EXISTING SHAFT WALL AS REQUIRED FOR NEW CONSTRUCTION. INFILL EXISTING WALL TO MATCH ADJACENT WALL CONSTRUCTION. CONTRACTOR SHALL INSPECT EXISTING WALL AND CAUSE ANY NON-COMPLYING RATED WALL CONSTRUCTION TO CONFORM WITH THE REQUIREMENTS OF DESIGNATED RATED WALL CONSTRUCTION. ALL PENETRATION TO BE FIRESTOPPED.
- REPLACE EXISTING WALL BOARD AT NEW PLUMBING FIXTURE LOCATIONS WITH MOISTURE RESISTANT DRYWALL 2'-0" EACH SIDE OF CENTERLINE OF FIXTURE, INCLUDING ADJACENT WALLS. INSTALL FROM FINISHED FLOOR TO 6'-0" A.F.F.
- PROVIDE ROLLER SHADES WITH BLACKOUT SHADES.
- PROVIDE LASER IN USE LIGHT ABOVE DOOR. REFER TO ELECTRICAL FOR ADDITIONAL INFORMATION.
- POWDER-COATED STEEL SHELVES ON WALL MOUNTED STANDARDS.
- PROVIDE NEW CMU LINTEL AS REQUIRED FOR NEW DOOR WIDTH.
- INFILL EXISTING WALL OPENING TO MATCH ADJACENT CONSTRUCTION.
- NEW DOOR AND HARDWARE IN EXISTING FRAME. REFER TO DOOR SCHEDULE FOR ADDITIONAL INFORMATION.
- BASE BID: EXISTING DOOR AND FRAME TO REMAIN. REPLACE DOOR KNOB WITH LEVER. HARDWARE SET 3. ALTERNATE 2: REPLACE EXISTING DOOR, FRAME, AND HARDWARE. REFER TO DOOR SCHEDULE FOR ADDITIONAL INFORMATION.

WALL RATINGS LEGEND

NEW		EXISTING	
1 HOUR FIRE BARRIER		1 HOUR FIRE BARRIER	
1 HOUR FIRE RATED SMOKE BARRIER		1 HOUR FIRE RATED SMOKE BARRIER	
2 HOUR FIRE BARRIER		2 HOUR FIRE BARRIER	
2 HOUR FIRE RATED SMOKE BARRIER		2 HOUR FIRE RATED SMOKE BARRIER	
3 HOUR FIRE WALL		3 HOUR FIRE WALL	
SMOKE RESISTANT HAZARDOUS ROOM PARTITION		SMOKE RESISTANT HAZARDOUS ROOM PARTITION	
NON-RATED SMOKE PARTITION		NON-RATED SMOKE PARTITION	

ALL RATED WALLS AND SMOKE PARTITIONS SHALL EXTEND FROM THE FLOOR TO THE BOTTOM OF THE STRUCTURAL FLOOR OR ROOF SLAB ABOVE. SEAL FIRESTOP AT TOP AND BOTTOM OF WALL AND AROUND ALL PENETRATIONS. PACK SAFING INSULATION IN THE VOID SPACE BETWEEN METAL DECK FLUTES AND THE TOP OF THE RUNNER CHANNEL. CONTRACTOR SHALL FURNISH AND INSTALL ALL FIREPROOFING MATERIALS NECESSARY TO RETAIN THE INTEGRITY OF FIRE RATED CONSTRUCTION. CONTRACTOR SHALL PROVIDE FIRESTOPPING WITH UL LISTING AS REQUIRED BY THE MANUFACTURER'S RECOMMENDATION TO COMPLETE THE INTENDED ASSEMBLY OF THE WALL TYPE.

REFER TO SHEETS A001 AND A002 FOR WALLPARTITION PRIORITY DETAIL AND INFORMATION. THIS DETAIL APPLIES TO ALL INTERSECTIONS OF RATED WALLS AND NON-RATED WALLS.



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

WALL TYPE "AZ"
REFER TO SHEET A001

REMOVE EXISTING WALL CAP IN IS ENTIRETY AND PREP FOR NEW WALL INSTALLATION
G.W.B. L-CASING BEAD
SEALANT
5/8" TYPE X G.W.B. ON METAL FURRING CHANNELS
EXISTING STAIRWAY PARTIAL HEIGHT CMU WALL TO REMAIN

RESILIENT BASE

1st FLOOR
1805' - 0"

2 STAIR WALL DETAIL
1 1/2" = 1'-0"

DATE: 3/14/2025
SCALE: As Shown
PROJECT: BL 417 GEOLOGY PHASE 2 - FACILITY 100
DRAWN BY: MHR
CHECKED BY: MHR
PROJECT NO.: 14017

INDIANA PROFESSIONAL ENGINEERING BOARD
REGISTERED PROFESSIONAL ENGINEER
No. 120027
STATE OF INDIANA
ARCHITECT
No. 120027
STATE OF INDIANA
REGISTERED PROFESSIONAL ARCHITECT

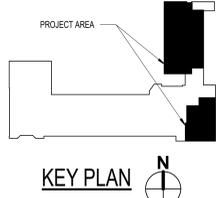
REVISIONS
1 ADD NO.1 3/22/2025

20250361 - BL 417 GEOLOGY PHASE 2 - FACILITY 100
INDIANA UNIVERSITY BLOOMINGTON: BL417 GEOLOGICAL SCIENCES
BL417: 1001 E. 10TH STREET
BLOOMINGTON, IN 47405

CONSTRUCTION DOCUMENTS

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Artekna Design - A Professional Corporation
321 East New York Street, Indianapolis, Indiana 46204
Office: 317.953.5390 | Fax: 317.953.5391 | www.artekna.com

FIRST FLOOR PLAN
A211



KEY PLAN

GENERAL PLAN NOTES

- ALL DIMENSIONS ARE TO FACE OF FINISHED WALL OR CENTERLINE OF COLUMNS, UNLESS OTHERWISE NOTED.
- REFER TO SHEETS A001 AND A002 FOR WALL TYPE DESIGNATIONS AND WALL RATINGS LEGENDS. ALL INTERIOR WALLS ARE TYPE "A2" UNLESS OTHERWISE NOTED OR INDICATED TO BE A SMOKE AND/OR FIRE ENCLOSURE. COORDINATE WITH WALL RATINGS LEGEND AND WALL TYPE INFORMATION.
- REFER TO SHEET A003 FOR ACCESSIBILITY, MANEUVERING CLEARANCES, TYPICAL DIMENSIONS, ACCESSORY SCHEDULE ETC.
- ALL DOORS MUST MEET REQUIREMENTS OF INDIANA ACCESSIBILITY CODE. REFER TO SHEET A601 FOR DOOR CLEARANCE REQUIREMENTS.
- PROVIDE ENCLOSURES FOR UNDERSIDE OF CASEWORK WALL CABINETS AND FIXED SHELVES WHERE THESE CASEWORK ELEMENTS MEET IN A CORNER. ALL OUTSIDE CORNERS OF COUNTERTOPS, TRANSACTION TOPS, ETC. SHALL HAVE 4" RADIUS, UNLESS NOTED OTHERWISE.
- COUNTERTOPS SHALL BE 24" DEEP UNLESS INDICATED OTHERWISE OR REQUIRED TO BE DEEPER BY EQUIPMENT SHOWN ON THE DRAWINGS. REFER TO SOLID SURFACE COUNTERTOP DETAIL A801-7.
- ALL EXTERIOR WINDOWS TO RECEIVE ROLLER SHADE WHERE INDICATED BY PLAN NOTE. PROVIDE BLACKOUT SHADE AS INDICATED BY PLAN NOTE.
- ALL CORRIDOR WALLS SHALL RESIST THE PASSAGE OF SMOKE FROM FINISH FLOOR UP TO AND INCLUDING DECK ABOVE. SEAL ALL PENETRATIONS, OPENINGS, GAPS, ETC.
- INSTALL CONTROL JOINTS IN DRYWALL PER PROJECT MANUAL.
- INSTALL "SLIP TRACK" STUD CONNECTION AT ALL METAL STUDS THAT EXTEND TO DECK ABOVE.
- COORDINATE WITH OWNER AND FACILITY STAFF. PROJECT PHASING TO MINIMIZE DISRUPTION OF EXISTING FACILITY SERVICES. PHASING TO INCLUDE ASSURANCE FOR CLEAN TO DIRTY AIRFLOW, EMERGENCY PROCEDURES, CRITERIA FOR INTERRUPTIONS, AND COMMUNICATION AUTHORITY. CONTRACTOR, OWNER, AND FACILITY STAFF TO PLAN FOR PROCEDURES ON THE EFFECTS OF NOISE AND VIBRATION ON HUMAN HEALTH AND SAFETY. THE RENOVATED AREAS SHALL BE ISOLATED FROM THE OCCUPIED AREAS DURING ALL PHASES OF CONSTRUCTION USING AIR TIGHT BARRIERS, AND EXHAUST AIR FLOW SHALL BE SUFFICIENT TO MAINTAIN NEGATIVE AIR PRESSURE IN THE CONSTRUCTION ZONE.
- VERIFY ALL CRITICAL DIMENSIONS WITH AND/OR RELATED TO THE EXISTING BUILDING, DIMENSIONS, AND CONDITIONS INDICATED WHERE DETERMINED BY VISUAL SURVEY AND/OR BY INFORMATION FROM EXISTING DRAWINGS. ANY DISCREPANCIES SHALL BE COORDINATED WITH ARCHITECT.
- PROVIDE FIRE EXTINGUISHER CABINETS IN LOCATIONS INDICATED ON PLAN. ALL FIRE EXTINGUISHER CABINETS SHALL BE CENTERED WITHIN THE WALL IN WHICH THEY ARE LOCATED, UNLESS OTHERWISE INDICATED ON THE PLAN.
- REFER TO PROJECT MANUAL AND SHEET A611 FOR INFORMATION REGARDING METAL STUD FRAMING AT ALL DOOR LOCATIONS.
- PROVIDE FILLER PANELS IN CORNERS WHERE CASEWORK DOORS/DRAWERS MEET AS REQUIRED TO PROVIDE ADEQUATE ROOM FOR OPERATION.
- ALL REFERENCES TO "TREATED" WOOD SHALL MEAN FIRE-RETARDANT TREATED.
- THE CONTRACTOR IS RESPONSIBLE FOR REVIEW OF ALL EQUIPMENT INFORMATION (OWNER FURNISHED, VENDOR FURNISHED AND CONTRACTOR FURNISHED) PERTAINING TO THESE CONTRACT DOCUMENTS. ADDITIONAL EQUIPMENT INFORMATION IS LOCATED IN THE PROJECT MANUAL, VENDOR INFORMATION, AND ONLINE VENDOR INSTALLATION MANUALS, ETC. THE PHRASE "BY OWNER OR CONTRACTOR" IN EQUIPMENT INFORMATION SHALL BE INTERPRETED TO MEAN "BY CONTRACTOR".
- ALL FIRE RATED WALLS AND FLOOR PENETRATIONS SHALL COMPLY WITH ASTM E914. ALL PENETRATIONS THROUGH EXISTING WALLS SHALL MEET THE EXISTING WALL RATING. REFER TO PROJECT MANUAL SECTION 07300 FOR ADDITIONAL INFORMATION.
- PROVIDE MOLD RESISTANT DRYWALL AT ALL LOCATIONS SPECIFIED IN THE PROJECT MANUAL.

SPECIFIC FLOOR PLAN NOTES

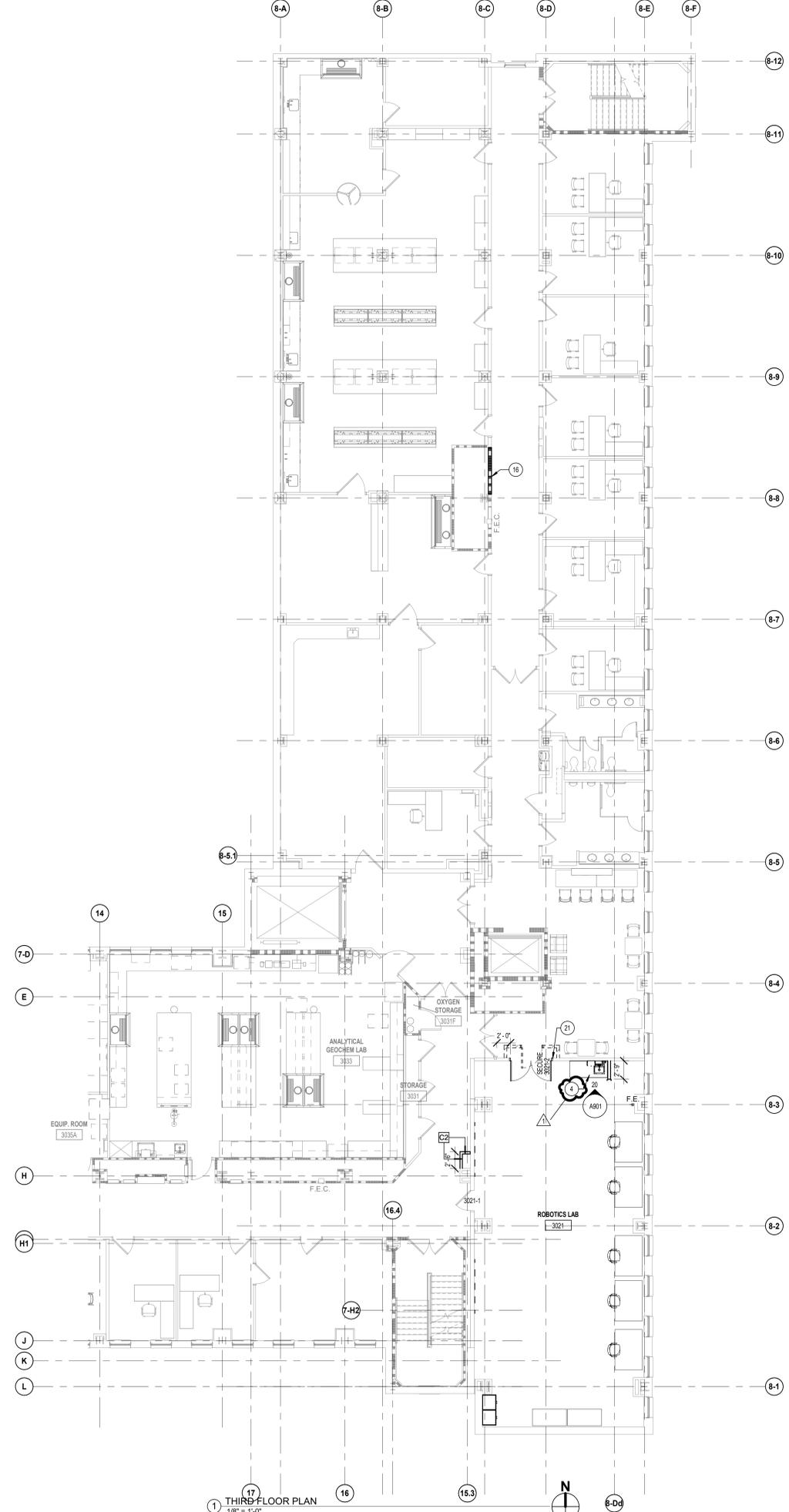
- WALL MOUNTED GLASSBOARD WITH BLOCKING AS REQUIRED. COORDINATE EXACT LOCATION OF GLASS BOARDS IN FIELD WITH OWNER.
- SAFETY SHOWER AND EYEWASH - REFER TO PLUMBING INFORMATION.
- 8" FUME HOOD AND METAL LAB CASEWORK INSTALLED BY CONTRACTOR.
- NEW CHEMICAL RESISTANT COUNTERTOP ON WOOD LAB CASEWORK BASES. REFER TO CASEWORK ELEVATIONS FOR ADDITIONAL INFORMATION.
- CONTRACTOR INSTALLED BIO SAFETY CABINET, COORDINATE WITH LAB CASEWORK.
- SEALED CONCRETE FLOOR THIS LOCATION. PATCH AND REPAIR SLAB AS APPROPRIATE TO RECEIVE NEW FINISH.
- NEW STATIC DISSIPATIVE COUNTERTOP ON WOOD LAB CASEWORK BASES. REFER TO CASEWORK ELEVATIONS FOR ADDITIONAL INFORMATION.
- NEW G.W.B. AND METAL STUD WALL ON TOP OF EXISTING PARTIAL HEIGHT CMU WALL. REFER TO SECTION DETAIL A211-1 FOR ADDITIONAL INFORMATION.
- EXISTING ACCESS PANEL TO REMAIN. COORDINATE LOCATION OF NEW STAIR ENCLOSURE WALL WITH ACCESS PANEL LOCATION. PANEL IS TO BE COMPLETELY INSIDE NEW STAIR ENCLOSURE AND ACCESS MAINTAINED.
- 12" DEEP 5-TIER LOCKERS - REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.
- CEILING MOUNTED SNORKEL - REFER TO MECHANICAL FOR ADDITIONAL INFORMATION.
- SINK MOUNTED EYEWASH - REFER TO PLUMBING FOR ADDITIONAL INFORMATION.
- PATCH AND REPAIR WALLS WHERE WALL MOUNTED EQUIPMENT AND UTILITIES REMOVED; REPAIR
- CEILING MOUNTED OPTICAL TABLE LASER SAFETY CURTAIN
- REMOVE AND REPAIR EXISTING SHAFT WALL AS REQUIRED FOR NEW CONSTRUCTION. INFILL EXISTING WALL TO MATCH ADJACENT WALL CONSTRUCTION. CONTRACTOR SHALL INSPECT EXISTING WALL AND CAUSE ANY NON-COMFORMING RATED WALL CONSTRUCTION TO CONFORM WITH THE REQUIREMENTS OF DESIGNATED RATED WALL CONSTRUCTION. ALL PENETRATIONS TO BE FIRESTOPPED.
- REPLACE EXISTING WALL BOARD AT NEW PLUMBING FIXTURE LOCATIONS WITH MOISTURE RESISTANT DRYWALL 2'-0" EACH SIDE OF CENTERLINE OF FIXTURE, INCLUDING ADJACENT WALLS. INSTALL FROM FINISHED FLOOR TO 6'-0" A.F.F.
- PROVIDE ROLLER SHADES WITH BLACKOUT SHADES.
- PROVIDE LASER IN USE LIGHT ABOVE DOOR. REFER TO ELECTRICAL FOR ADDITIONAL INFORMATION.
- POWDER-COATED STEEL SHELVES ON WALL MOUNTED STANDARDS.
- PROVIDE NEW CMU LINTEL AS REQUIRED FOR NEW DOOR WIDTH.
- INFILL EXISTING WALL OPENING TO MATCH ADJACENT CONSTRUCTION.
- NEW DOOR AND HARDWARE IN EXISTING FRAME. REFER TO DOOR SCHEDULE FOR ADDITIONAL INFORMATION.
- BASE BID: EXISTING DOOR AND FRAME TO REMAIN. REPLACE DOOR KNOB WITH LEVER. HARDWARE SET 3. ALTERNATE 2: REPLACE EXISTING DOOR, FRAME, AND HARDWARE. REFER TO DOOR SCHEDULE FOR ADDITIONAL INFORMATION.

WALL RATINGS LEGEND

NEW		EXISTING	
1 HOUR FIRE BARRIER		1 HOUR FIRE BARRIER	
1 HOUR FIRE RATED SMOKE BARRIER		1 HOUR FIRE RATED SMOKE BARRIER	
2 HOUR FIRE BARRIER		2 HOUR FIRE BARRIER	
2 HOUR FIRE/SMOKE BARRIER		2 HOUR FIRE/SMOKE BARRIER	
3 HOUR FIRE WALL		3 HOUR FIRE WALL	
SMOKE RESISTANT HAZARDOUS ROOM PARTITION		SMOKE RESISTANT HAZARDOUS ROOM PARTITION	
NON-RATED SMOKE PARTITION		NON-RATED SMOKE PARTITION	

ALL RATED WALLS AND SMOKE PARTITIONS SHALL EXTEND FROM THE FLOOR TO THE BOTTOM OF THE STRUCTURAL FLOOR OR ROOF SLAB ABOVE. SEAL/FIRESTOP AT TOP AND BOTTOM OF WALL AND AROUND ALL PENETRATIONS. PACK SAFING INSULATION IN THE VOID SPACE BETWEEN METAL DECK FLUTES AND THE TOP OF THE RUNNER CHANNEL. CONTRACTOR SHALL FURNISH AND INSTALL ALL FIREPROOFING MATERIALS NECESSARY TO RETAIN THE INTEGRITY OF FIRE RATED CONSTRUCTION. CONTRACTOR SHALL PROVIDE FIRESTOPPING WITH UL LISTING AS REQUIRED BY THE MANUFACTURER'S RECOMMENDATION TO COMPLETE THE INTENDED ASSEMBLY OF THE WALL TYPE.

REFER TO SHEETS A001 AND A002 FOR WALL/PARTITION PRIORITY DETAIL AND INFORMATION. THIS DETAIL APPLIES TO ALL INTERSECTIONS OF RATED WALLS AND NON-RATED WALLS.



1 THIRD FLOOR PLAN
1/8" = 1'-0"

KEY PLAN

REVISIONS

1	ADD NO. 1	3/22/2024
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PROJECT INFORMATION

20250361 - BL 417 GEOLOGY PHASE 2 - FACILITY 100
 INDIANA UNIVERSITY BLOOMINGTON: BL417 GEOLOGICAL SCIENCES
 BL417: 1001 E. 10TH STREET
 BLOOMINGTON, IN 47405

ARTEKNA
 A Professional Corporation
 321 East New York Street, Indianapolis, Indiana 46204
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CONSTRUCTION DOCUMENTS

THIRD FLOOR PLAN
A231

GENERAL REFLECTED CEILING PLAN NOTES

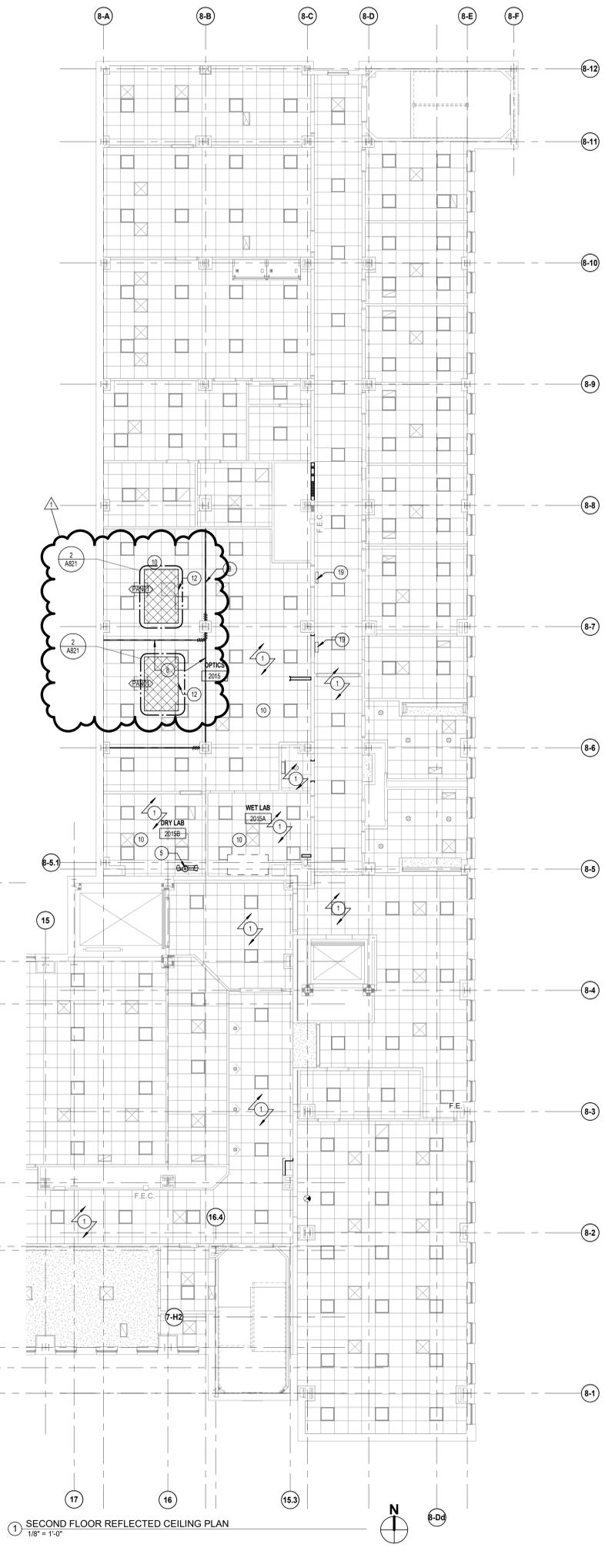
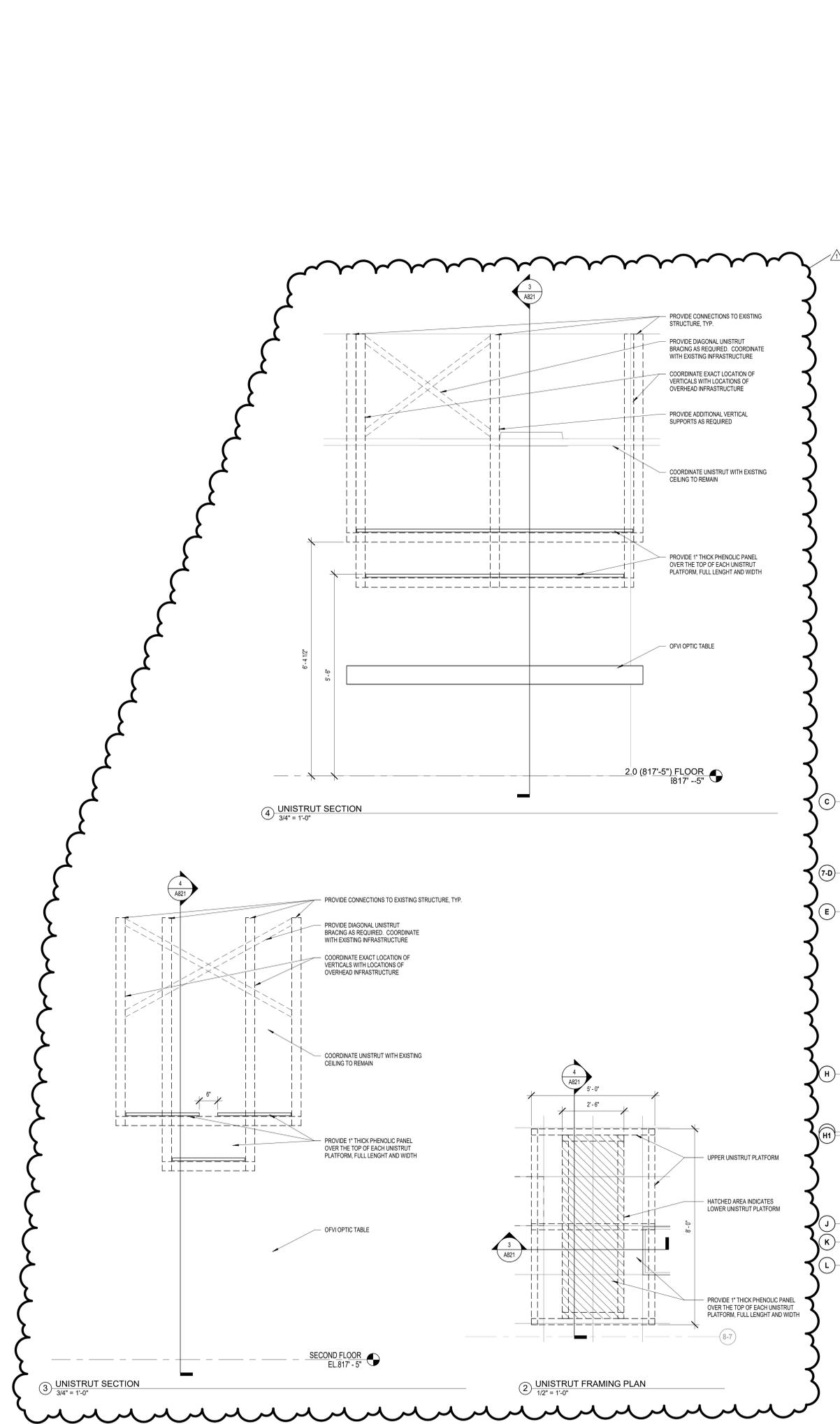
- CENTER LIGHTS IN THE CEILING TILE AT ALL LOCATIONS UNLESS NOTED OTHERWISE. NOTIFY ARCHITECT WHENEVER THERE IS A CONFLICT.
- CEILING HEIGHTS ARE 9'-0" UNLESS NOTED OTHERWISE.
- BULKHEAD HEIGHTS ARE 8'-0" UNLESS NOTED OTHERWISE.
- ALL BULKHEADS SHALL RECEIVE PAINT.
- REFER TO SHEET A003 FOR REFLECTED CEILING PLAN LEGEND.
- COORDINATE REFLECTED CEILING PLAN WITH INTERIOR, MECHANICAL, ELECTRICAL, PLUMBING, AND FIRE PROTECTION INFORMATION.

SPECIFIC REFLECTED CEILING PLAN NOTES

- REMOVE AND REPLACE EXISTING CEILING GRID AS REQUIRED FOR OVERHEAD WORK. COORDINATE WITH MEP INFORMATION.
- INTEGRATE NEW CEILING GRID WITH EXISTING CEILING GRID SYSTEM.
- CONTRACTOR TO PROVIDE CUSTOM HOOD CLOSURE PANEL TO 1" BELOW CEILING GRID.
- SAFETY SHOWER AND EYEWASH - REFER TO PLUMBING INFORMATION.
- NEW SNORKEL DUCT - REFER TO MECHANICAL INFORMATION.
- OPCI DATA PROJECTOR, CONTRACTOR TO PROVIDE ABOVE CEILING SUPPORT. COORDINATE WITH OWNER PROVIDED DETAILS.
- OPCI PROJECTOR SCREEN, CONTRACTOR TO PROVIDE ABOVE CEILING SUPPORT. COORDINATE WITH OWNER PROVIDED DETAILS. SEE SHEET E001_2 FOR ADDITIONAL INFORMATION.
- CEILING MOUNTED OPTICAL TABLE LASER SAFETY CURTAIN.
- CEILING TO BE INSTALLED AS HIGH AS POSSIBLE.
- REPLACE EXISTING CEILING TILES WITH NEW VINYL-COATED CEILING TILE A003, REFER TO PROJECT MANUAL FOR ADDITIONAL INFORMATION.
- REFER TO MECHANICAL, ELECTRICAL AND PLUMBING DRAWINGS FOR INFRASTRUCTURE TO BE REMOVED. PATCH AND REPAIR FINISHES AND OPENINGS AS SHOWN TO REMAIN (C.T.M.).
- HATCHED AREA INDICATES LOCATION OF CFPI UNISTRUT SUPPORT SYSTEM. CONTRACTOR TO PROVIDE DELEGATED DESIGN OF THE UNISTRUT SUPPORT SYSTEM, DESIGNED AND STAMPED BY A PROFESSIONAL ENGINEER EXPERIENCED IN DESIGN OF THIS WORK AND LICENSED IN THE STATE OF INDIANA. EACH UNISTRUT SYSTEM IS TO BE DESIGNED TO SUPPORT 1,000 LBS. REFER TO DETAIL A821_2 FOR ADDITIONAL INFORMATION.

DATE: 3/14/2025
SCALE: As Shown
PROJECT: 20250361 - BL 417 GEOLOGY PHASE 2 - FACILITY 100
DESIGNER: ARTEKNA
DATE: 3/14/2025
SCALE: As Shown
PROJECT: 20250361 - BL 417 GEOLOGY PHASE 2 - FACILITY 100
DESIGNER: ARTEKNA

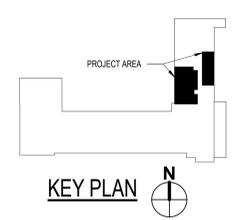
REVISIONS	
1	ADD NO. 1
2	3/20/2025



WALL RATINGS LEGEND

NEW		EXISTING	
1 HOUR FIRE BARRIER	[Pattern]	1 HOUR FIRE BARRIER	[Pattern]
1 HOUR FIRE RATED SMOKE BARRIER	[Pattern]	1 HOUR FIRE RATED SMOKE BARRIER	[Pattern]
2 HOUR FIRE BARRIER	[Pattern]	2 HOUR FIRE BARRIER	[Pattern]
2 HOUR FIRE/SMOKE BARRIER	[Pattern]	2 HOUR FIRE/SMOKE BARRIER	[Pattern]
3 HOUR FIRE WALL	[Pattern]	3 HOUR FIRE WALL	[Pattern]
SMOKE RESISTANT HAZARDOUS ROOM PARTITION	[Pattern]	SMOKE RESISTANT HAZARDOUS ROOM PARTITION	[Pattern]
NON-RATED SMOKE PARTITION	[Pattern]	NON-RATED SMOKE PARTITION	[Pattern]

ALL RATED WALLS AND SMOKE PARTITIONS SHALL EXTEND FROM THE FLOOR TO THE BOTTOM OF THE STRUCTURAL FLOOR OR ROOF SLAB ABOVE. SEAL/FIRESTOP AT TOP AND BOTTOM OF WALL AND AROUND ALL PENETRATIONS. PACK SAFING INSULATION IN THE VOID SPACE BETWEEN METAL DECK FLUTES AND THE TOP OF THE RUNNER CHANNEL. CONTRACTOR SHALL FURNISH AND INSTALL ALL FIREPROOFING MATERIALS NECESSARY TO RETAIN THE INTEGRITY OF FIRE RATED CONSTRUCTION. CONTRACTOR SHALL PROVIDE FIRESTOPPING WITH UL LISTING AS REQUIRED BY THE MANUFACTURER'S RECOMMENDATION TO COMPLETE THE INTENDED ASSEMBLY OF THE WALL TYPE. REFER TO SHEETS A001 AND A002 FOR WALL/PARTITION PRIORITY DETAIL AND INFORMATION. THIS DETAIL APPLIES TO ALL INTERSECTIONS OF RATED WALLS AND NON-RATED WALLS.



20250361 - BL 417 GEOLOGY PHASE 2 - FACILITY 100
 INDIANA UNIVERSITY BLOOMINGTON: BL417 GEOLOGICAL SCIENCES
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CONSTRUCTION DOCUMENTS

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SECOND FLOOR
 REFLECTED
 CEILING PLAN
A821



GENERAL NOTES (DEMOLITION):

- A. DOTTED LINES INDICATE ITEMS FOR REMOVAL (UON) AND GRAY SOLID LINES INDICATE EXISTING ITEMS TO REMAIN.
- B. DEVICES INDICATED WITH AN "R" SHALL BE RELOCATED. REMOVE, PROTECT, AND REINSTALL IN NEW LOCATION INDICATED ON NEW WORK PLANS. INTERCEPT AND EXTEND ALL EXISTING CABLING TO NEW LOCATION. CLEAN AND RE-LAMP RELOCATED LUMINAIRES.
- C. THE CONTRACTOR SHALL MAINTAIN THE CONTINUITY OF EXISTING CIRCUITS THAT CONTAIN DEVICES OR EQUIPMENT THAT ARE TO REMAIN. WHEN DEMOLITION OF AN ELECTRICAL DEVICE (OR CIRCUIT) IS INDICATED ON THE DRAWINGS, THE CONTRACTOR SHALL ENSURE THAT OTHER DEVICES OR EQUIPMENT "UPSTREAM" OR "DOWNSTREAM" ON THE CIRCUITS SHALL REMAIN IN "PRE-DEMOLITION" WORKING ORDER. "LEFT-OVER" CIRCUIT BREAKERS SHALL REMAIN, BE SWITCHED TO OFF POSITION, AND BE LABELED AS SPARES IN THEIR PANELS. PROVIDE NEW TYPEWRITTEN DIRECTORIES FOR ALL PANELS AFFECTED.
- D. LOCATIONS OF DEVICES, CONNECTIONS, ETC., INDICATED ON THIS DRAWING WERE TAKEN FROM VARIOUS SOURCES. THEY ARE DIAGRAMMATIC ONLY AND ARE SUBJECT TO VARIATION FROM EXISTING CONDITIONS. CERTAIN EXISTING ELEMENTS MAY NOT BE INDICATED AT ALL. THE CONTRACTOR PROPOSING TO DO ANY PART OF THE WORK INDICATED HEREON SHALL VISIT THIS SITE AND DETERMINE TO HIS SATISFACTION THAT THEY MAY COMPLETE ALL WORK REQUIRED FOR THE BID WHICH HE PROPOSES.
- E. REMOVE ALL ASSOCIATED BACKBOXES, CONDUIT AND CONDUCTORS FOR DEVICES / FIXTURES / ETC. BEING REMOVED (BACK TO SOURCE), WHETHER INDICATED OR NOT (UON). CONTRACTOR SHALL PATCH AND REPAIR ANY EXISTING WALLS, FLOORS OR CEILINGS WHERE DEVICES ARE SHOWN TO BE REMOVED (PATCH AND REPAIR TO RECEIVE NEW FINISHES - SEE ARCHITECTURAL PLANS).
- F. COORDINATE DISPOSAL OF ALL FIXTURES, DEVICES, ETC. (INDICATED FOR DEMOLITION) WITH OWNER. TURN OVER ITEMS REMOVED TO OWNER AT THEIR OPTION.
- G. COORDINATE WITH OTHER TRADES FOR THE REMOVAL AND/OR RELOCATION OF ELECTRICAL DEVICES AND CONNECTIONS ASSOCIATED WITH THEIR EQUIPMENT.
- H. PROVIDE TEMPORARY EMERGENCY EXIT LIGHTS AT CONSTRUCTION BARRIERS AS REQUIRED.
- I. CONTRACTOR SHALL PATCH AND REPAIR ALL EXISTING WALLS / CEILINGS AS REQUIRED WHERE DEVICES ARE BEING REMOVED OR INSTALLED.
- J. UNUSED/ABANDONED CONDUCTORS DISCOVERED ABOVE ACCESSIBLE CEILINGS SHALL BE REMOVED IN ACCORDANCE WITH NEC REQUIREMENTS.
- K. EXISTING ELECTRICAL SYSTEMS IN CONFLICT WITH CONSTRUCTION SHALL BE RELOCATED TO PERMIT INSTALLATION OF DEVICES AND EQUIPMENT SHOWN ON PLANS.
- L. CONTRACTOR SHALL SEAL ALL EXISTING AND NEW PENETRATIONS OF BUILDING ENVELOPE (EXTERIOR WALLS, ROOF, ETC.) WATER-TIGHT AND AS APPROVED BY ARCHITECT AND ENGINEER. ROOFING SHALL BE RESTORED BY A LICENSED ROOFING CONTRACTOR BASED ON WRITTEN INSTRUCTIONS AND DETAILS FROM ROOFING MANUFACTURER AS REQUIRED TO MAINTAIN ROOF WARRANTY. REFER TO ARCHITECTURAL AND ENGINEERING PLANS AND SPECIFICATIONS FOR FURTHER REQUIREMENTS.
- M. ALL EXISTING PANELS AFFECTED BY THIS CONTRACTOR'S WORK SHALL BE PROVIDED WITH NEW TYPE-WRITTEN PANEL DIRECTORIES AND INSERT SLEEVES. PANEL DIRECTORIES SHALL NOT USE ROOM NAMES OR NUMBERS FROM THESE DRAWINGS. DIRECTORIES SHALL BE DETAILED AND COORDINATED WITH OWNER'S SUITE NUMBERS, FINAL ROOM NUMBERS, IT RACK NAMES, WORKSTATION DESIGNATIONS, ETC. UNUSED BREAKERS SHALL BE IN OFF POSITION.

Keynote Text

- D2 EXISTING DEVICE(S) TO BE REPLACED. EXISTING CIRCUITING AND PATHWAYS TO REMAIN FOR NEW DEVICE(S). REFER TO NEW WORK PLANS FOR ADDITIONAL REQUIREMENTS AND INFORMATION.
- D8 EXISTING DEVICE(S), BACKBOXES, AND COVERPLATE(S) TO BE REMOVED. PATCH, PAINT, OR REPAIR WALL AS REQUIRED. COORDINATE WITH ARCHITECT.
- D9 EXISTING WIRELESS ACCESS POINT (WAP) TO BE REMOVED BY UITS. EXISTING CABLING TO REMAIN FOR RE-CONNECTION TO NEW DEVICES. SEE NEW WORK PLANS.
- D10 EXISTING LIGHT FIXTURE(S) TO BE RE-LOCATED. EXISTING WIRING TO REMAIN FOR RE-CONNECTION(S).
- D11 EXISTING CEILING, LIGHT FIXTURES, AND CEILING MOUNT DEVICES TO REMAIN UNLESS OTHERWISE NOTED. REMOVE AND RE-INSTALL CEILING TILES AS REQUIRED FOR OVERHEAD WORK AS PART OF PROJECT SCOPE. REFER TO ARCHITECTURAL PLANS FOR ADDITIONAL REQUIREMENTS AND INFORMATION.
- D12 EXISTING FIRE ALARM CONTROL PANEL TO BE RE-LOCATED. ALL EXISTING CONNECTIONS AND PATHWAYS TO BE RE-WORKED AS REQUIRED FOR NEW LOCATION. COORDINATE FIRE ALARM SYSTEM DOWNTIME WITH OWNER PRIOR TO RE-LOCATION. SEE NEW WORK PLANS FOR ADDITIONAL REQUIREMENTS AND INFORMATION.
- D13 EXISTING FIRE ALARM DEVICE(S) TO BE RE-LOCATED. REFER TO NEW WORK PLANS FOR NEW LOCATION.
- D14 EXISTING ELECTRICAL PANEL TO BE RE-LOCATED. ALL EXISTING TO REMAIN CONNECTIONS AND PATHWAYS TO BE RE-WORKED AS REQUIRED FOR NEW LOCATION. COORDINATE DOWNTIME OF EXISTING TO REMAIN CIRCUITS OUTSIDE OF PROJECT SCOPE WITH OWNER PRIOR TO RE-LOCATION.
- D17 CABLING SERVING DEVICE(S) TO BE REMOVED COMPLETE.
- D18 EXISTING OCCUPANCY SENSOR TO BE REMOVED AND TURNED OVER TO IU.

1 SECOND FLOOR NORTHEAST ELECTRICAL DEMOLITION PLAN

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

DATE: 03 MAR 2024
 SCALE: 1/4" = 1'-0"
 PROJECT: BL 417 GEOLGY EAST WING RENOVATION
 DRAWING: ELECTRICAL DEMOLITION PLANS
 SHEET: E102
 DESIGNED BY: [Name]
 CHECKED BY: [Name]
 APPROVED BY: [Name]
 COPYRIGHT NOTICE: ALL RIGHTS RESERVED

REGISTERED PROFESSIONAL ENGINEER
 No. 10200105
 STATE OF INDIANA
 William R. Steyer
 3/20/2024 2:35:41 PM
 REVISIONS
 2 Addendum 2 03/22/2024

BL 417 GEOLGY - FACILITY 100
 INDIANA UNIVERSITY BLOOMINGTON: BL-417
 GEOLOGICAL SCIENCES
 BL-417: 1001 E. 10TH STREET
 BLOOMINGTON, IN 47405

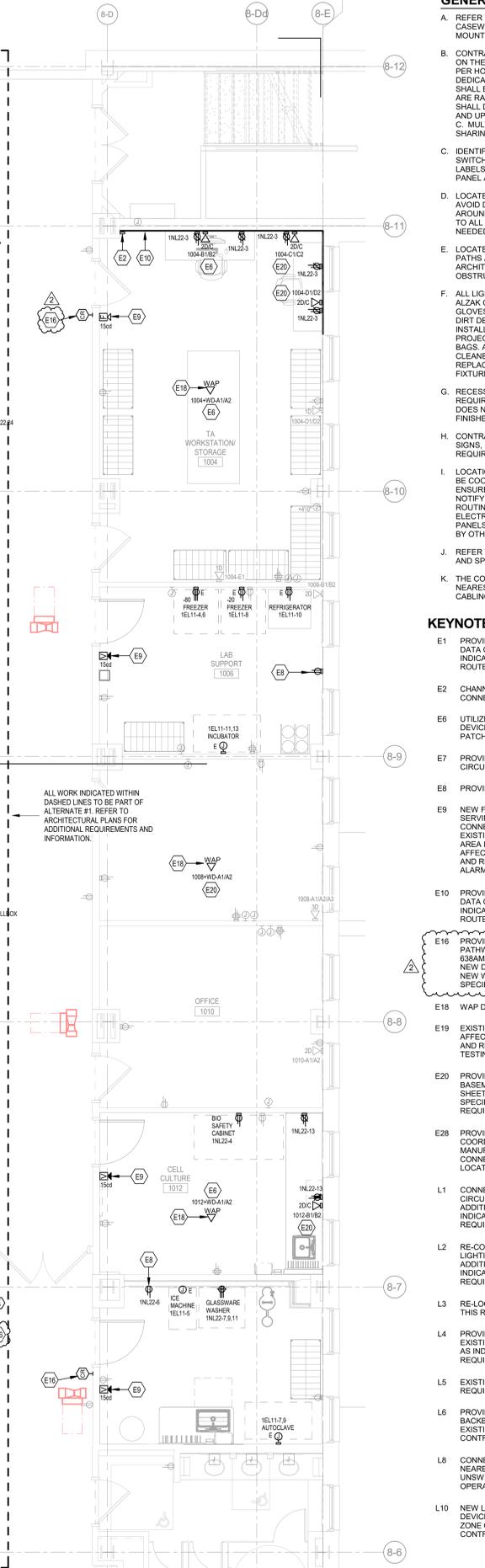
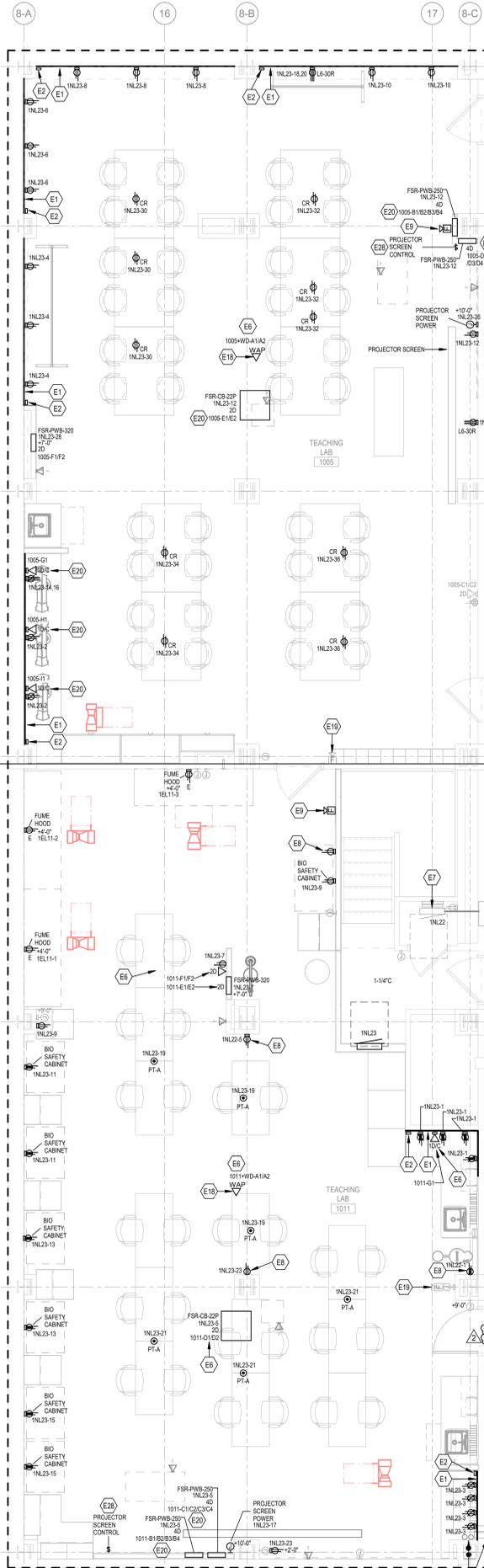
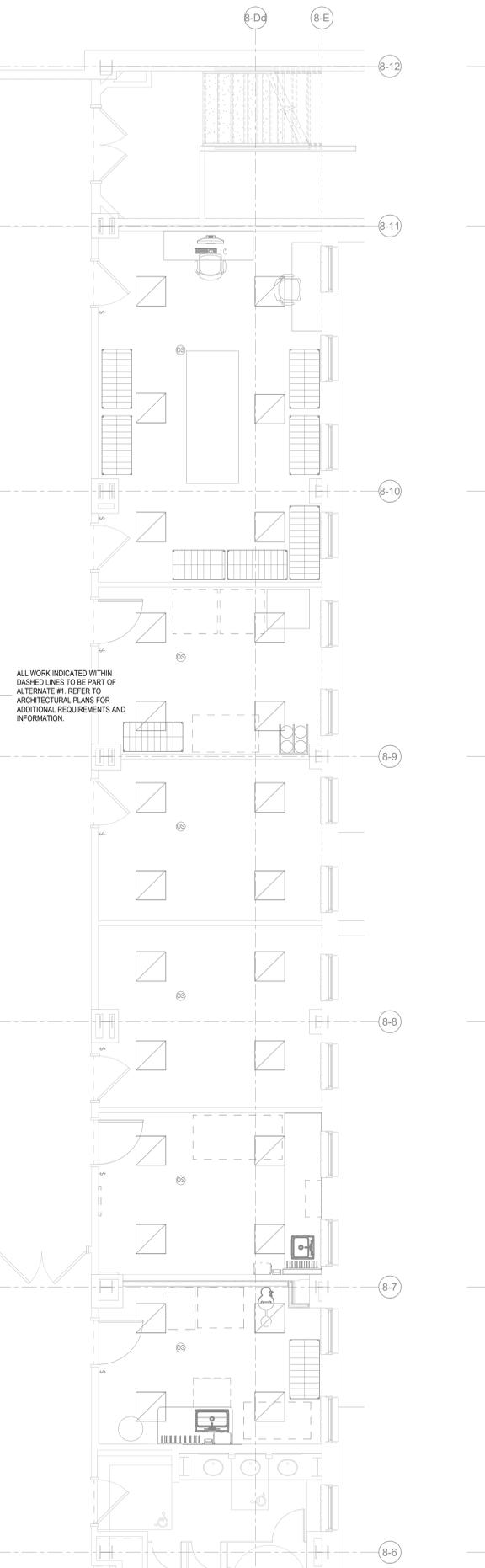
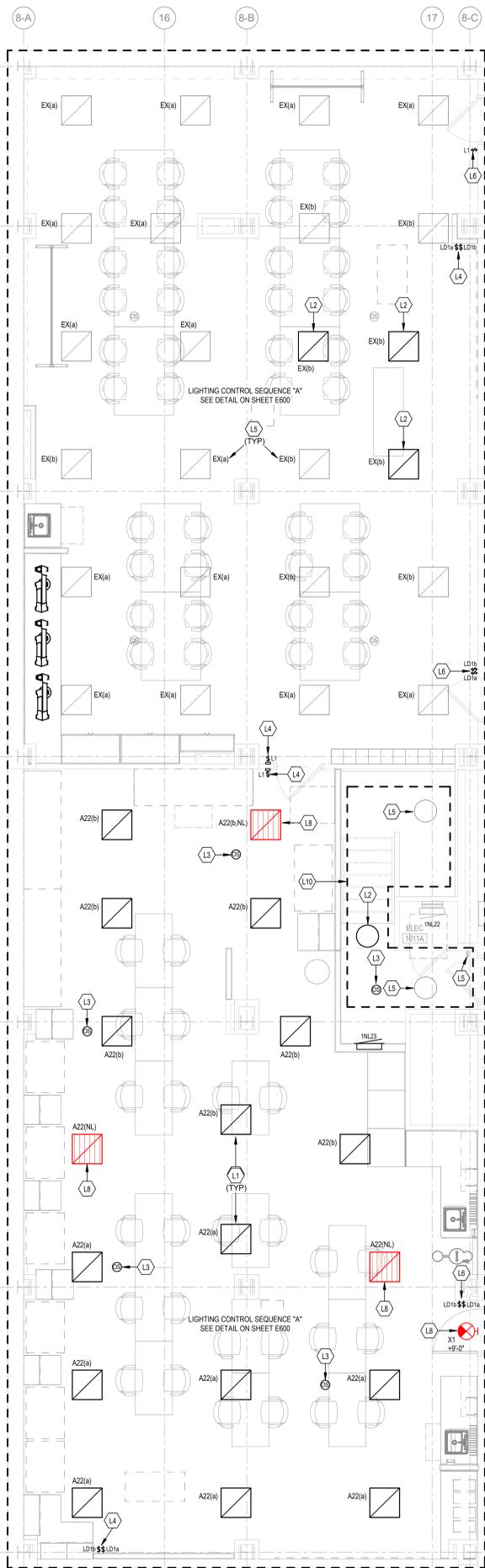
CONSTRUCTION DOCUMENTS

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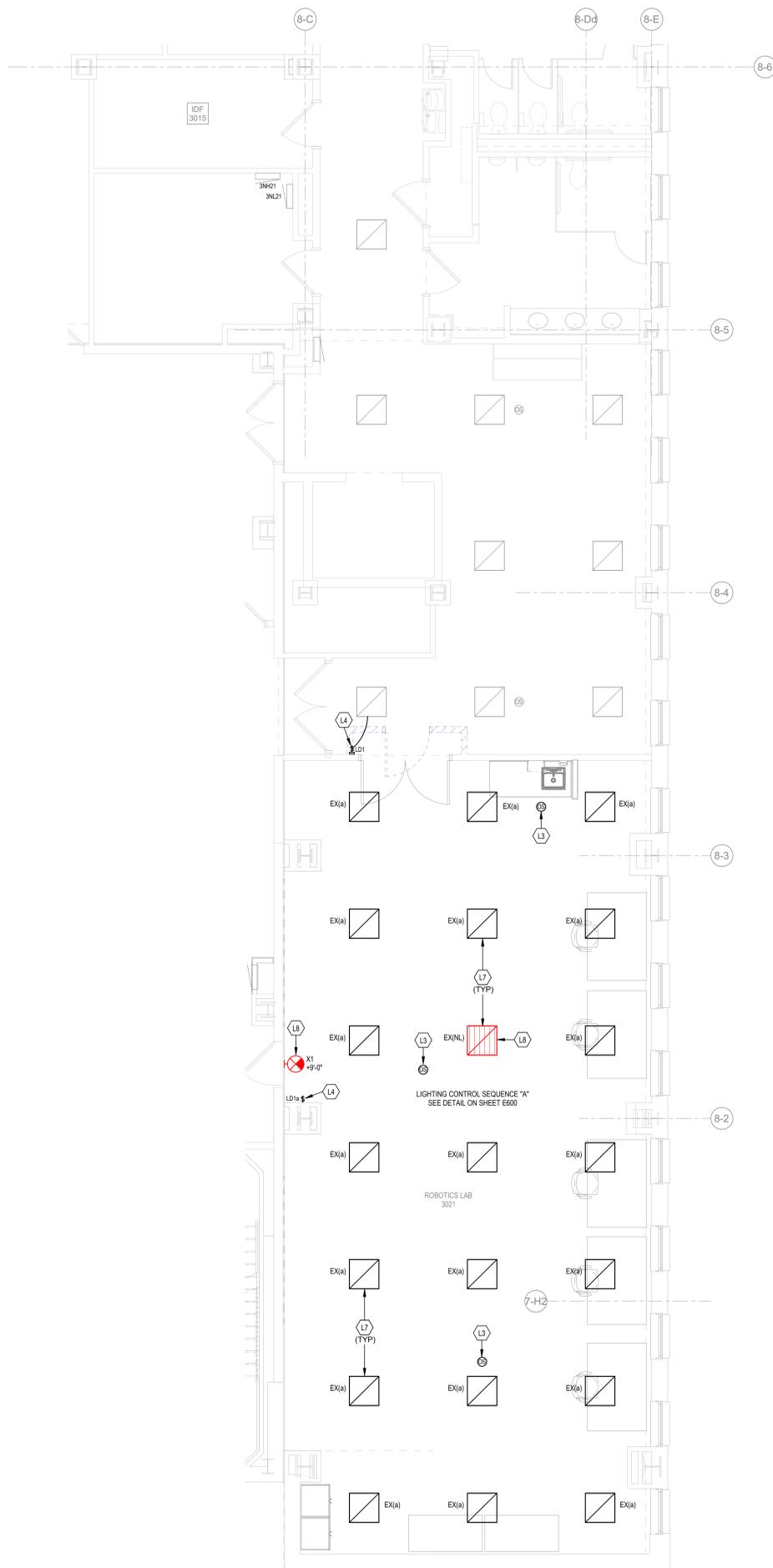
SECOND FLOOR - EAST WING - ELECTRICAL DEMOLITION PLANS
E102

Autodesk Docs: IUGES25-U-Geology East Wing Renovation/IUGES25-U-GEOLGY East Wing_CMTA.rvt

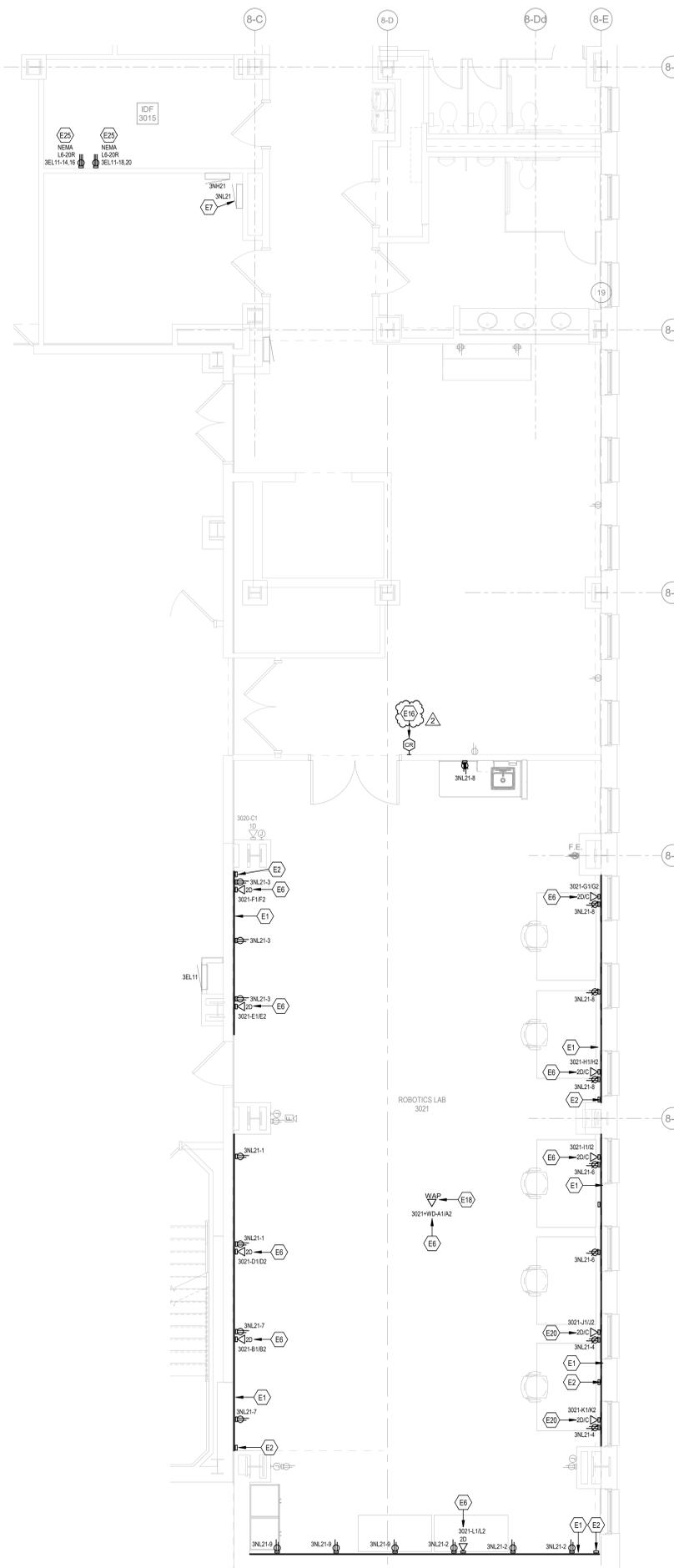
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- GENERAL NOTES (ELECTRICAL):**
- REFER TO THE ARCHITECT'S REFLECTED CEILING PLANS, ELEVATIONS, AND CASEWORK DETAILS FOR EXACT LOCATIONS OF ALL WALL AND CEILING MOUNTED ELECTRICAL DEVICES.
 - CONTRACTOR SHALL FOLLOW BRANCH CIRCUITING LAY-OUT, AS INDICATED ON THE FLOOR PLANS, WITH A MAXIMUM OF THREE (3) BRANCH CIRCUITS PER HOMERUN. EACH BRANCH CIRCUIT SHALL BE PROVIDED WITH A DEDICATED NEUTRAL CONDUCTOR. DEDICATED NEUTRAL CONDUCTORS SHALL BE CONSIDERED CURRENT CARRYING. IF ADDITIONAL CONDUCTORS ARE RUN IN THE SAME CONDUIT WITH THOSE INDICATED, CONTRACTOR SHALL DERATE ALL CURRENT CARRYING CONDUCTORS PER NEC 310.15(B)(3), AND UPSIZE CONDUIT AS REQUIRED PER NEC 300.17 AND ANNEX C. MULTIWIRE BRANCH CIRCUITS AS DEFINED IN NEC 100 / 210.4 (CIRCUITS SHARING A COMMON NEUTRAL CONDUCTOR) SHALL NOT BE PERMITTED.
 - IDENTIFY THE PANEL AND CIRCUIT NUMBER FOR ALL RECEPTACLES, SWITCHES, ETC. IN AREA OF CONSTRUCTION. PROVIDE CLEAR ADHESIVE LABELS WITH BLACK LETTERING. MARK INSIDES OF ALL DEVICE BOXES WITH PANEL AND CIRCUIT NUMBER.
 - LOCATE CHAIN-HUNG INDUSTRIAL FIXTURES IN MECHANICAL ROOMS TO AVOID DUCTWORK AND PIPING. TO MAXIMIZE AVAILABLE LIGHT, SPACE AROUND EQUIPMENT, AIR HANDLERS, ETC. TO PROVIDE ADEQUATE LIGHTING TO ALL AREAS OF ROOM. PROVIDE ADDITIONAL FIXTURES OF SAME TYPE AS NEEDED TO FULFILL THIS REQUIREMENT.
 - LOCATE EXIT SIGNS FOR MAXIMUM VIEWING AREA TO IDENTIFY EGRESS PATHS AS INDICATED ON PLANS. COORDINATE LOCATIONS SUCH THAT ARCHITECTURAL FEATURES OR EQUIPMENT FROM DOWNLIGHTS DO NOT OBSTRUCT VIEW.
 - ALL LIGHTING FIXTURE LENSES, PARABOLIC LOUVERS, OTHER LIGHTING ALZAK CONES AND "PARACUBE" LOUVERS SHALL BE HANDLED WITH COTTON GLOVES DURING INSTALLATION AND LAMPING TO AVOID FINGERPRINTS OR DIRT DEPOSITS. IT IS PREFERRED THAT FIXTURES BE SHIPPED AND INSTALLED WITH CLEAR PLASTIC BAGS TO PROTECT LOUVERS. AT CLOSE OF PROJECT, AND AFTER CONSTRUCTION AIR FILTERS ARE CHANGED, REMOVE BAGS. ANY LOUVER OR CONE SHOWING DIRT OR FINGERPRINTS SHALL BE CLEANED WITH SOLVENT RECOMMENDED BY THE MANUFACTURER, OR REPLACED AS NECESSARY IN ORDER TO TURN OVER TO THE OWNER NEW FIXTURES AT OCCUPANCY.
 - RECESSED LUMINAIRES SHALL BE SECURED SUCH THAT THE FORCE REQUIRED INSERTING LAMPS, TRIMS, LENSES, LOUVERS, OR DOOR FRAMES DOES NOT SHIFT HOUSING. ALL TRIMS SHALL BE COMPLETELY FLUSH WITH FINISHED CEILINGS AT COMPLETION OF CONSTRUCTION.
 - CONTRACTOR SHALL PROVIDE UNSWITCHED CONDUCTOR TO ALL EXIT SIGNS, EMERGENCY INVERTER BATTERY PACKS, AND NIGHT LIGHTS AS REQUIRED.
 - LOCATIONS OF ELECTRICAL CONNECTIONS AND LOCAL DISCONNECTS SHALL BE COORDINATED WITH MECHANICAL AND PLUMBING CONTRACTORS TO ENSURE ACCESS AND WORKING CLEARANCE IS MAINTAINED PER NEC. NOTIFY OTHER TRADES OF REQUIRED CLEARANCE AREAS TO AVOID ROUTING OF OTHER SYSTEMS IN THESE AREAS. DO NOT INSTALL ELECTRICAL EQUIPMENT OVER EQUIPMENT NAMEPLATES OR ACCESS PANELS OR THROUGH ACCESS/MAINTENANCE CLEARANCES OF EQUIPMENT BY OTHER TRADES.
 - REFER TO "SYSTEM INSTALLATION MATRIX" (ON SYSTEMS LEGEND SHEET) AND SPECIFICATIONS FOR CONTRACTOR REQUIREMENTS OF EACH SYSTEM.
 - THE CONTRACTOR SHALL ROUTE ALL "SYSTEM CONDUIT STUB-UPS" TO THE NEAREST CORRIDOR CABLING PATH (SEE "STUB-UP" DETAILS). REFER TO CABLING PATH INSTALLATION DETAIL FOR ADDITIONAL REQUIREMENTS.
- KEYNOTES**
- PROVIDE SURFACE MOUNT DUAL CHANNEL RACEWAY FOR POWER AND DATA CONNECTIONS. PROVIDE OUTLET NEMA CONFIGURATIONS AS INDICATED ON PLANS. RACEWAY CONNECTIONS DOWN TO CHANNEL TO BE ROUTED AS INDICATED ON PLANS. LEGRAND WIREMOLD AL4320 SERIES.
 - CHANNEL RACEWAY CONNECTIONS DOWN FROM CEILING SPACE ABOVE. CONNECTIONS TO RUN HORIZONTAL TO DEVICES SERVED.
 - UTILIZE EXISTING DATA CABLING COILED ABOVE CEILING FROM REMOVED DEVICES(S) IN THIS AREA. UPDATE CABLE LOCATION IN EXISTING OR NEW PATCH PANEL PER LABEL IDENTIFICATION.
 - PROVIDE UPDATED PANEL SCHEDULE(S) FOR ADDED AND/OR REMOVED CIRCUITS FROM EXISTING PANEL(S).
 - PROVIDE NEW DEVICE AS INDICATED. RE-CONNECT TO EXISTING CIRCUIT.
 - NEW FIRE ALARM DEVICE. CONNECT TO EXISTING FIRE ALARM SYSTEM LOOP SERVING THIS AREA. PROVIDE SURFACE MOUNT WIREMOLD 700 SERIES FOR CONNECTIONS ON EXISTING WALLS AS REQUIRED. NEW DEVICES TO MATCH EXISTING SYSTEM TYPE AND CANDELA RATING OF SIMILAR DEVICES IN THIS AREA IF NOT NOTED ON PLANS. ALL NEW AND/OR EXISTING DEVICES AFFECTED BY THIS PROJECT SCOPE TO BE TESTED FOR CODE COMPLIANCE AND REQUIRED FUNCTIONALITY WITH EXISTING SYSTEM. COORDINATE FIRE ALARM SYSTEM DOWNTIME AND SUBSEQUENT TESTING WITH IU.
 - PROVIDE SURFACE MOUNT DUAL CHANNEL RACEWAY FOR POWER AND DATA CONNECTIONS. PROVIDE OUTLET NEMA CONFIGURATIONS AS INDICATED ON PLANS. RACEWAY CONNECTIONS DOWN TO CHANNEL TO BE ROUTED AS INDICATED ON PLANS. LEGRAND WIREMOLD 5400 SERIES.
 - PROVIDE ROUGH-IN FOR NEW CARD READER DEVICE. BACKBOX AND PATHWAYS TO BE SURFACE MOUNTED ON EXISTING WALL. PROVIDE BELDEN 638AMJ CABLE (OR APPROVED EQUAL) FROM NEW CARD READER BACK TO NEW DOOR ACCESS CONTROLLER IN CLOSET 2017. SEE SECOND FLOOR NEW WORK PLANS AND INTERCONNECTION PLANS. REFER TO DIVISION 08 SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS AND INFORMATION.
 - WAP DEVICE INSTALLED BY UIITS. CABLING BY CONTRACTOR.
 - EXISTING FIRE ALARM DEVICE. ALL NEW AND/OR EXISTING DEVICES AFFECTED BY THIS PROJECT SCOPE TO BE TESTED FOR CODE COMPLIANCE AND REQUIRED FUNCTIONALITY WITH EXISTING SYSTEM. COORDINATE TESTING WITH IU.
 - PROVIDE NEW DATA CABLING, NUMBER AS REQUIRED, AND SERVE FROM BASEMENT MDF. UTILIZE EXISTING 4" CONDUIT SLEEVES INDICATED ON THIS SHEET FOR CABLE ROUTING AS REQUIRED. REFER TO DIV 27 SPECIFICATIONS AND TELECOM DETAILS AND SCHEDULES FOR ADDITIONAL REQUIREMENTS AND INFORMATION.
 - PROVIDE RAISE/LOWER SWITCH FOR PROJECTOR SCREEN CONTROLS. COORDINATE EXACT REQUIREMENTS WITH PROJECTOR SCREEN MANUFACTURER AND INSTALLATION INSTRUCTIONS. PROVIDE ALL CONNECTIONS AND PATHWAYS AS REQUIRED FOR A COMPLETE SYSTEM. LOCATE ADJACENT TO LECTURE LIGHTING CONTROLS STATIONS.
 - CONNECT NEW LIGHT FIXTURE(S) TO EXISTING NORMAL POWER LIGHTING CIRCUIT IN THIS AREA (UNLESS SPECIFIC CIRCUIT IS NOTED). PROVIDE ADDITIONAL POWER PACKS AS REQUIRED FOR NEW CONTROL ZONES INDICATED. SEE LIGHTING CONTROL DETAILS FOR ADDITIONAL REQUIREMENTS AND INFORMATION.
 - RE-CONNECT RELOCATED LIGHT FIXTURE(S) TO EXISTING NORMAL POWER LIGHTING CIRCUIT IN THIS AREA (UNLESS OTHERWISE NOTED). PROVIDE ADDITIONAL POWER PACKS AS REQUIRED FOR NEW CONTROL ZONES INDICATED. SEE LIGHTING CONTROL DETAILS FOR ADDITIONAL REQUIREMENTS AND INFORMATION.
 - RE-LOCATED OCCUPANCY SENSOR. SENSORS TO CONTROL ALL LIGHTS IN THIS ROOM OR ZONE(S) INDICATED FOR AUTO ON/AUTO OFF CONTROLS.
 - PROVIDE NEW LIGHTING CONTROL SWITCH(ES) AS INDICATED. CONNECT TO EXISTING AND/OR NEW LIGHT FIXTURES IN THIS AREA FOR ZONE CONTROLS AS INDICATED. SEE LIGHTING CONTROL DETAILS FOR ADDITIONAL REQUIREMENTS AND INFORMATION.
 - EXISTING TO REMAIN LIGHT FIXTURE CONNECTIONS TO BE RE-WORKED AS REQUIRED FOR NEW CONTROL ZONES AS INDICATED



1 THIRD FLOOR SOUTHEAST LIGHTING PLAN
SCALE: 1/4" = 1'-0"



2 THIRD FLOOR SOUTHEAST POWER/SYSTEMS PLAN
SCALE: 1/4" = 1'-0"

- GENERAL NOTES (ELECTRICAL):**
- REFER TO THE ARCHITECT'S REFLECTED CEILING PLANS, ELEVATIONS, AND CASEWORK DETAILS FOR EXACT LOCATIONS OF ALL WALL AND CEILING MOUNTED ELECTRICAL DEVICES.
 - CONTRACTOR SHALL FOLLOW BRANCH CIRCUITING LAY-OUT, AS INDICATED ON THE FLOOR PLANS, WITH A MAXIMUM OF THREE (3) BRANCH CIRCUITS PER HOMERUN. EACH BRANCH CIRCUIT SHALL BE PROVIDED WITH A DEDICATED NEUTRAL CONDUCTOR. DEDICATED NEUTRAL CONDUCTORS SHALL BE CONSIDERED CURRENT CARRYING. IF ADDITIONAL CONDUCTORS ARE RUN IN THE SAME CONDUIT WITH THOSE INDICATED, CONTRACTOR SHALL DERATE ALL CURRENT CARRYING CONDUCTORS PER NEC 310.15(B)(3), AND UPSIZE CONDUIT AS REQUIRED PER NEC 300.17 AND ANNEX C. MULTIWIRE BRANCH CIRCUITS AS DEFINED IN NEC 100 / 210.4 (CIRCUITS SHARING A COMMON NEUTRAL CONDUCTOR) SHALL NOT BE PERMITTED.
 - IDENTIFY THE PANEL AND CIRCUIT NUMBER FOR ALL RECEPTACLES, SWITCHES, ETC. IN AREA OF CONSTRUCTION. PROVIDE CLEAR ADHESIVE LABELS WITH BLACK LETTERING. MARK INSIDES OF ALL DEVICE BOXES WITH PANEL AND CIRCUIT NUMBER.
 - LOCATE CHAIN-HUNG INDUSTRIAL FIXTURES IN MECHANICAL ROOMS TO AVOID DUCTWORK AND PIPING. TO MAXIMIZE AVAILABLE LIGHT, SPACE AROUND EQUIPMENT, AIR HANDLERS, ETC. TO PROVIDE ADEQUATE LIGHTING TO ALL AREAS OF ROOM. PROVIDE ADDITIONAL FIXTURES OF SAME TYPE AS NEEDED TO FULFILL THIS REQUIREMENT.
 - LOCATE EXIT SIGNS FOR MAXIMUM VIEWING AREA TO IDENTIFY EGRESS PATHS AS INDICATED ON PLANS. COORDINATE LOCATIONS SUCH THAT ARCHITECTURAL FEATURES OR EQUIPMENT FROM OTHER TRADES DO NOT OBSTRUCT VIEW.
 - ALL LIGHTING FIXTURE LENSES, PARABOLIC LOUVERS, DOWNLIGHTING ALZAK CONES AND "PARACUBE" LOUVERS SHALL BE HANDLED WITH COTTON GLOVES DURING INSTALLATION AND LAMPING TO AVOID FINGERPRINTS OR DIRT DEPOSITS. IT IS PREFERRED THAT FIXTURES BE SHIPPED AND INSTALLED WITH CLEAR PLASTIC BAGS TO PROTECT LOUVERS. AT CLOSE OF PROJECT, AND AFTER CONSTRUCTION AIR FILTERS ARE CHANGED, REMOVE BAGS. ANY LOUVER OR CONE SHOWING DIRT OR FINGER PRINTS SHALL BE CLEANED WITH SOLVENT RECOMMENDED BY THE MANUFACTURER, OR REPLACED AS NECESSARY IN ORDER TO TURN OVER TO THE OWNER NEW FIXTURES AT OCCUPANCY.
 - RECESSED LUMINAIRES SHALL BE SECURED SUCH THAT THE FORCE REQUIRED INSERTING LAMPS, TRIMS, LENSES, LOUVERS, OR DOOR FRAMES DOES NOT SHIFT HOUSING. ALL TRIMS SHALL BE COMPLETELY FLUSH WITH FINISHED CEILINGS AT COMPLETION OF CONSTRUCTION.
 - CONTRACTOR SHALL PROVIDE UNSWITCHED CONDUCTOR TO ALL EXIT SIGNS, EMERGENCY INVERTER BATTERY PACKS, AND NIGHT LIGHTS AS REQUIRED.
 - LOCATIONS OF ELECTRICAL CONNECTIONS AND LOCAL DISCONNECTS SHALL BE COORDINATED WITH MECHANICAL AND PLUMBING CONTRACTORS TO ENSURE ACCESS AND WORKING CLEARANCE IS MAINTAINED PER NEC. NOTIFY OTHER TRADES OF REQUIRED CLEARANCE AREAS TO AVOID ROUTING OF OTHER SYSTEMS IN THESE AREAS. DO NOT INSTALL ELECTRICAL EQUIPMENT OVER EQUIPMENT NAMEPLATES OR ACCESS PANELS OR THROUGH ACCESS/MAINTENANCE CLEARANCES OF EQUIPMENT BY OTHER TRADES.
 - REFER TO "SYSTEM INSTALLATION MATRIX" (ON SYSTEMS LEGEND SHEET) AND SPECIFICATIONS FOR CONTRACTOR REQUIREMENTS OF EACH SYSTEM.
 - THE CONTRACTOR SHALL ROUTE ALL "SYSTEM CONDUIT STUB-UPS" TO THE NEAREST CORRIDOR CABLING PATH (SEE "STUB-UP" DETAILS). REFER TO CABLING PATH INSTALLATION DETAIL FOR ADDITIONAL REQUIREMENTS.

- KEYNOTES**
- PROVIDE SURFACE MOUNT DUAL CHANNEL RACEWAY FOR POWER AND DATA CONNECTIONS. PROVIDE OUTLET NEMA CONFIGURATIONS AS INDICATED ON PLANS. RACEWAY CONNECTIONS DOWN TO CHANNEL TO BE ROUTED AS INDICATED ON PLANS. LEGRAND WIREMOLD AL4320 SERIES.
 - CHANNEL RACEWAY CONNECTIONS DOWN FROM CEILING SPACE ABOVE. CONNECTIONS TO RUN HORIZONTAL TO DEVICES SERVED.
 - UTILIZE EXISTING DATA CABLING COILED ABOVE CEILING FROM REMOVED DEVICE(S) IN THIS AREA. UPDATE CABLE LOCATION IN EXISTING OR NEW PATCH PANEL PER LABEL IDENTIFICATION.
 - PROVIDE UPDATED PANEL SCHEDULE(S) FOR ADDED AND/OR REMOVED CIRCUITS FROM EXISTING PANEL(S).
 - PROVIDE ROUGH-IN FOR NEW CARD READER DEVICE. BACKBOX AND PATHWAYS TO BE SURFACE MOUNTED ON EXISTING WALL. PROVIDE BELDEN 638AM CABLE (OR APPROVED EQUAL) FROM NEW CARD READER BACK TO NEW DOOR ACCESS CONTROLLER IN CLOSET 2017. SEE SECOND FLOOR NEW WORK PLANS AND INTERCONNECTION PLANS. REFER TO DIVISION 08 SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS AND INFORMATION.
 - WAP DEVICE INSTALLED BY UITS. CABLING BY CONTRACTOR.
 - PROVIDE NEW DATA CABLING, NUMBER AS REQUIRED, AND SERVE FROM BASEMENT MDF. UTILIZE EXISTING 4" CONDUIT SLEEVES INDICATED ON THIS SHEET FOR CABLE ROUTING AS REQUIRED. REFER TO DIV 27 SPECIFICATIONS AND TELECOM DETAILS AND SCHEDULES FOR ADDITIONAL REQUIREMENTS AND INFORMATION.
 - PROVIDE DEVICE(S) AS INDICATED. COORDINATE EXACT LOCATION WITH UITS PRIOR TO INSTALLATION. PROVIDE THREE (3) #12 (1) #12 GROUND, IN 3/4" CONDUIT TO EXISTING PANEL INDICATED. PROVIDE NEW 20A/2P BREAKER. MATCH EXISTING PANEL KAIC RATING.
 - RE-LOCATED OCCUPANCY SENSOR. SENSORS TO CONTROL ALL LIGHTS IN THIS ROOM OR ZONE(S) INDICATED FOR AUTO ON/AUTO OFF CONTROLS.
 - PROVIDE NEW LIGHTING CONTROL SWITCHES AS INDICATED. CONNECT TO EXISTING AND/OR NEW LIGHT FIXTURES IN THIS AREA FOR ZONE CONTROLS AS INDICATED. SEE LIGHTING CONTROL DETAILS FOR ADDITIONAL REQUIREMENTS AND INFORMATION.
 - RE-LOCATED LIGHT FIXTURE(S) IN NEW CEILING GRID. RE-CONNECT RELOCATED LIGHT FIXTURE(S) TO EXISTING NORMAL POWER LIGHTING CIRCUIT IN THIS AREA (UNLESS OTHERWISE NOTED). PROVIDE ADDITIONAL POWER PACKS AS REQUIRED FOR NEW CONTROL ZONES INDICATED. SEE LIGHTING CONTROL DETAILS FOR ADDITIONAL REQUIREMENTS AND INFORMATION.
 - CONNECT NEW, RE-LOCATED, OR EXISTING LIGHT FIXTURE(S) INDICATED TO NEAREST EMERGENCY LIGHTING CIRCUIT IN THIS AREA. PROVIDE UNSWITCHED HOT TO ALL EXIT SIGNS AND NIGHT LIGHTS ("N-") FOR 24/7 OPERATION.

DATE: 03 MAR 2024
SCALE: 1/4" = 1'-0"
DRAWING NO: 24-01-147
PROJECT: BL 417 GEOLGY - FACILITY 100
SHEET: E203

REGISTERED PROFESSIONAL ENGINEER
No. 10200105
STATE OF INDIANA
WILLIAM R. SISK
W. R. SISK
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REVISIONS
2 Addendum 2 03/22/2025

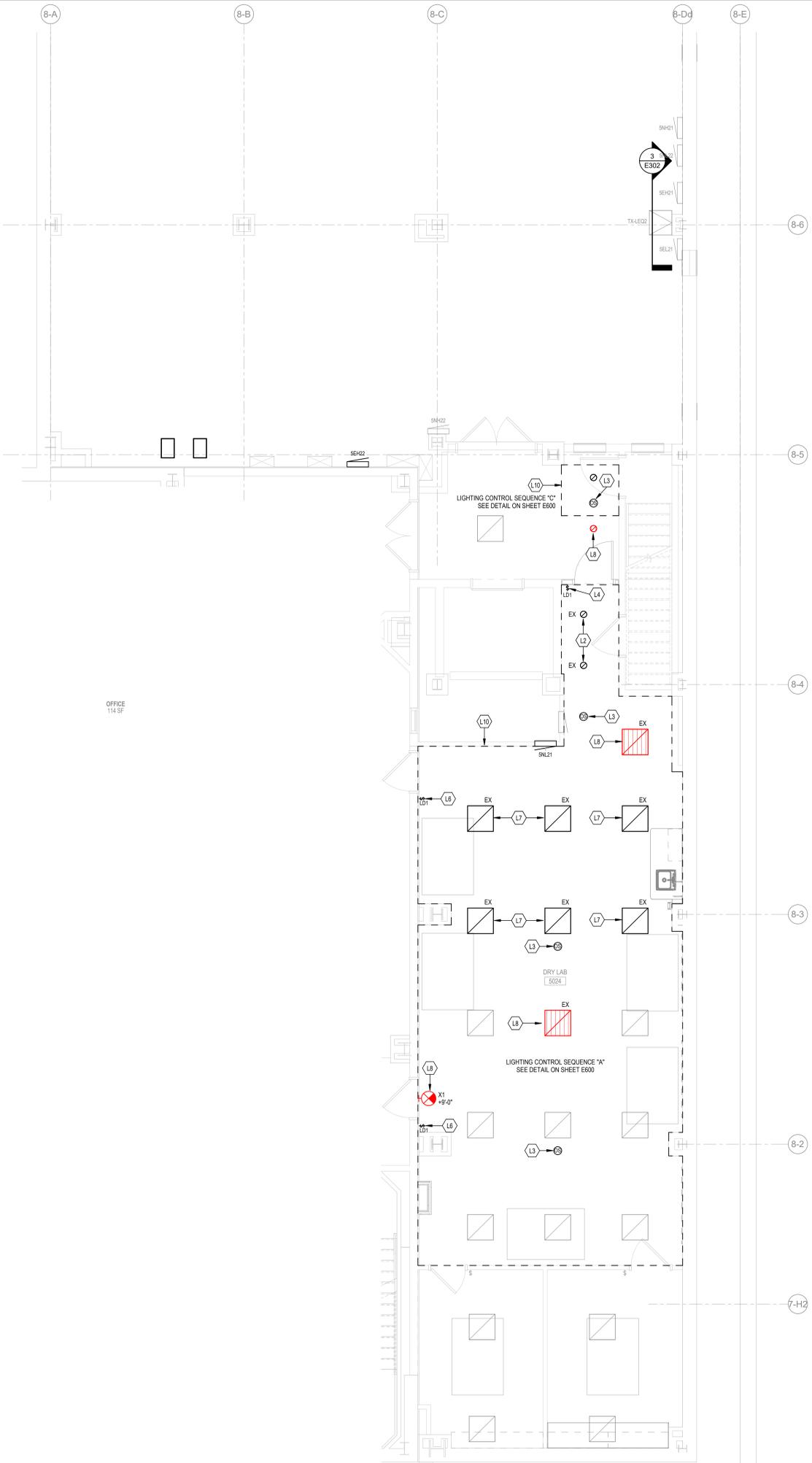
BL 417 GEOLGY - FACILITY 100
INDIANA UNIVERSITY BLOOMINGTON: BL417
GEOLOGICAL SCIENCES
BL417: 1001 E. 10TH STREET
BLOOMINGTON, IN 47405

CONSTRUCTION DOCUMENTS

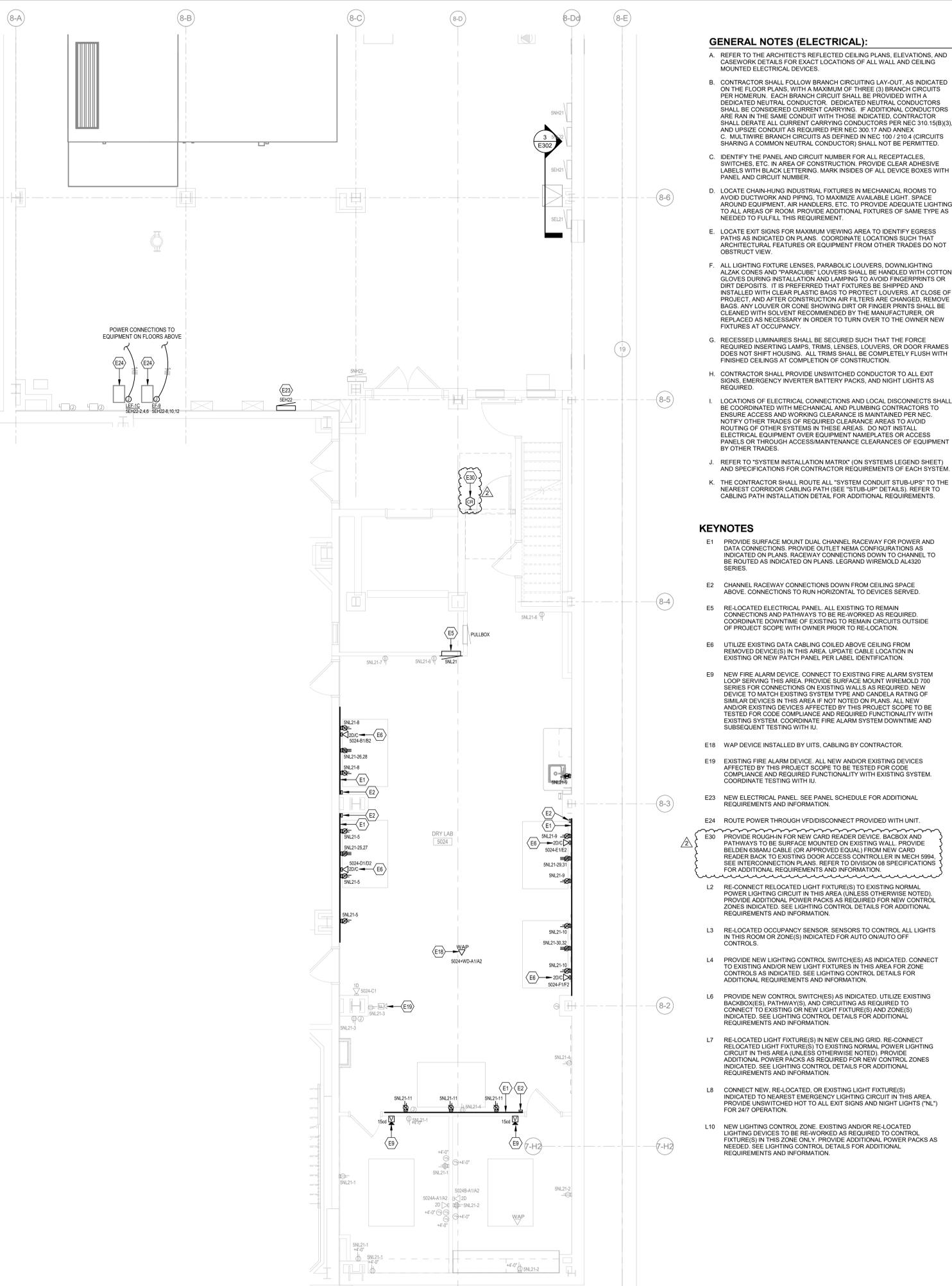
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THIRD FLOOR - EAST WING - ELECTRICAL PLANS
E203

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1 FIFTH FLOOR SOUTHEAST LIGHTING PLAN
 SCALE: 1/4" = 1'-0"



- GENERAL NOTES (ELECTRICAL):**
- REFER TO THE ARCHITECT'S REFLECTED CEILING PLANS, ELEVATIONS, AND CASEWORK DETAILS FOR EXACT LOCATIONS OF ALL WALL AND CEILING MOUNTED ELECTRICAL DEVICES.
 - CONTRACTOR SHALL FOLLOW BRANCH CIRCUITING LAY-OUT, AS INDICATED ON THE FLOOR PLANS, WITH A MAXIMUM OF THREE (3) BRANCH CIRCUITS PER HOMERUN. EACH BRANCH CIRCUIT SHALL BE PROVIDED WITH A DEDICATED NEUTRAL CONDUCTOR. DEDICATED NEUTRAL CONDUCTORS SHALL BE CONSIDERED CURRENT CARRYING. IF ADDITIONAL CONDUCTORS ARE RUN IN THE SAME CONDUIT WITH THOSE INDICATED, CONTRACTOR SHALL DERATE ALL CURRENT CARRYING CONDUCTORS PER NEC 310.15(B)(3), AND UPSIZE CONDUIT AS REQUIRED PER NEC 300.17 AND ANNEX C. MULTIWIRE BRANCH CIRCUITS AS DEFINED IN NEC 100 / 210.4 (CIRCUITS SHARING A COMMON NEUTRAL CONDUCTOR) SHALL NOT BE PERMITTED.
 - IDENTIFY THE PANEL AND CIRCUIT NUMBER FOR ALL RECEPTACLES, SWITCHES, ETC. IN AREA OF CONSTRUCTION. PROVIDE CLEAR ADHESIVE LABELS WITH BLACK LETTERING. MARK INSIDES OF ALL DEVICE BOXES WITH PANEL AND CIRCUIT NUMBER.
 - LOCATE CHAIN-HUNG INDUSTRIAL FIXTURES IN MECHANICAL ROOMS TO AVOID DUCTWORK AND PIPING. TO MAXIMIZE AVAILABLE LIGHT, SPACE AROUND EQUIPMENT, AIR HANDLERS, ETC. TO PROVIDE ADEQUATE LIGHTING TO ALL AREAS OF ROOM. PROVIDE ADDITIONAL FIXTURES OF SAME TYPE AS NEEDED TO FULFILL THIS REQUIREMENT.
 - LOCATE EXIT SIGNS FOR MAXIMUM VIEWING AREA TO IDENTIFY EGRESS PATHS AS INDICATED ON PLANS. COORDINATE LOCATIONS SUCH THAT ARCHITECTURAL FEATURES OR EQUIPMENT FROM OTHER TRADES DO NOT OBSTRUCT VIEW.
 - ALL LIGHTING FIXTURE LENSES, PARABOLIC LOUVERS, DOWNLIGHTING ALZAK CONES AND "PARACUBE" LOUVERS SHALL BE HANDLED WITH COTTON GLOVES DURING INSTALLATION AND LAMPING TO AVOID FINGERPRINTS OR DIRT DEPOSITS. IT IS PREFERRED THAT FIXTURES BE SHIPPED AND INSTALLED WITH CLEAR PLASTIC BAGS TO PROTECT LOUVERS. AT CLOSE OF PROJECT, AND AFTER CONSTRUCTION AIR FILTERS ARE CHANGED, REMOVE BAGS. ANY LOUVER OR CONE SHOWING DIRT OR FINGER PRINTS SHALL BE CLEANED WITH SOLVENT RECOMMENDED BY THE MANUFACTURER, OR REPLACED AS NECESSARY IN ORDER TO TURN OVER TO THE OWNER NEW FIXTURES AT OCCUPANCY.
 - RECESSED LUMINAIRES SHALL BE SECURED SUCH THAT THE FORCE REQUIRED INSERTING LAMPS, TRIMS, LENSES, LOUVERS, OR DOOR FRAMES DOES NOT SHIFT HOUSING. ALL TRIMS SHALL BE COMPLETELY FLUSH WITH FINISHED CEILINGS AT COMPLETION OF CONSTRUCTION.
 - CONTRACTOR SHALL PROVIDE UNSWITCHED CONDUCTOR TO ALL EXIT SIGNS, EMERGENCY INVERTER BATTERY PACKS, AND NIGHT LIGHTS AS REQUIRED.
 - LOCATIONS OF ELECTRICAL CONNECTIONS AND LOCAL DISCONNECTS SHALL BE COORDINATED WITH MECHANICAL AND PLUMBING CONTRACTORS TO ENSURE ACCESS AND WORKING CLEARANCE IS MAINTAINED PER NEC. NOTIFY OTHER TRADES OF REQUIRED CLEARANCE AREAS TO AVOID ROUTING OF OTHER SYSTEMS IN THESE AREAS. DO NOT INSTALL ELECTRICAL EQUIPMENT OVER EQUIPMENT NAMEPLATES OR ACCESS PANELS OR THROUGH ACCESS/MAINTENANCE CLEARANCES OF EQUIPMENT BY OTHER TRADES.
 - REFER TO "SYSTEM INSTALLATION MATRIX" (ON SYSTEMS LEGEND SHEET) AND SPECIFICATIONS FOR CONTRACTOR REQUIREMENTS OF EACH SYSTEM.
 - THE CONTRACTOR SHALL ROUTE ALL "SYSTEM CONDUIT STUB-UPS" TO THE NEAREST CORRIDOR CABLING PATH (SEE "STUB-UP" DETAILS). REFER TO CABLING PATH INSTALLATION DETAIL FOR ADDITIONAL REQUIREMENTS.

- KEYNOTES**
- PROVIDE SURFACE MOUNT DUAL CHANNEL RACEWAY FOR POWER AND DATA CONNECTIONS. PROVIDE OUTLET NEMA CONFIGURATIONS AS INDICATED ON PLANS. RACEWAY CONNECTIONS DOWN TO CHANNEL TO BE ROUTED AS INDICATED ON PLANS. LEGRAND WIREMOLD AL4320 SERIES.
 - CHANNEL RACEWAY CONNECTIONS DOWN FROM CEILING SPACE ABOVE. CONNECTIONS TO RUN HORIZONTAL TO DEVICES SERVED.
 - RE-LOCATED ELECTRICAL PANEL. ALL EXISTING TO REMAIN CONNECTIONS AND PATHWAYS TO BE RE-WORKED AS REQUIRED. COORDINATE DOWNTIME OF EXISTING TO REMAIN CIRCUITS OUTSIDE OF PROJECT SCOPE WITH OWNER PRIOR TO RE-LOCATION.
 - UTILIZE EXISTING DATA CABLING COILED ABOVE CEILING FROM REMOVED DEVICES IN THIS AREA. UPDATE CABLE LOCATION IN EXISTING OR NEW PATCH PANEL PER LABEL IDENTIFICATION.
 - NEW FIRE ALARM DEVICE. CONNECT TO EXISTING FIRE ALARM SYSTEM LOOP SERVING THIS AREA. PROVIDE SURFACE MOUNT WIREMOLD 700 SERIES FOR CONNECTIONS ON EXISTING WALLS AS REQUIRED. NEW DEVICE TO MATCH EXISTING SYSTEM TYPE AND CANDLEA RATING OF SIMILAR DEVICES IN THIS AREA IF NOT NOTED ON PLANS. ALL NEW AND/OR EXISTING DEVICES AFFECTED BY THIS PROJECT SCOPE TO BE TESTED FOR CODE COMPLIANCE AND REQUIRED FUNCTIONALITY WITH EXISTING SYSTEM. COORDINATE FIRE ALARM SYSTEM DOWNTIME AND SUBSEQUENT TESTING WITH IU.
 - WAP DEVICE INSTALLED BY UITS. CABLING BY CONTRACTOR.
 - EXISTING FIRE ALARM DEVICE. ALL NEW AND/OR EXISTING DEVICES AFFECTED BY THIS PROJECT SCOPE TO BE TESTED FOR CODE COMPLIANCE AND REQUIRED FUNCTIONALITY WITH EXISTING SYSTEM. COORDINATE TESTING WITH IU.
 - NEW ELECTRICAL PANEL. SEE PANEL SCHEDULE FOR ADDITIONAL REQUIREMENTS AND INFORMATION.
 - ROUTE POWER THROUGH VFD/DISCONNECT PROVIDED WITH UNIT.

- PROVIDE ROUGH-IN FOR NEW CARD READER DEVICE. BAGBOX AND PATHWAYS TO BE SURFACE MOUNTED ON EXISTING WALL. PROVIDE BELDEN 638AMU CABLE (OR APPROVED EQUAL) FROM NEW CARD READER BACK TO EXISTING DOOR ACCESS CONTROLLER IN MECH 5994. SEE INTERCONNECTION PLANS. REFER TO DIVISION 08 SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS AND INFORMATION.
- RE-CONNECT RELOCATED LIGHT FIXTURE(S) TO EXISTING NORMAL POWER LIGHTING CIRCUIT IN THIS AREA (UNLESS OTHERWISE NOTED). PROVIDE ADDITIONAL POWER PACKS AS REQUIRED FOR NEW CONTROL ZONES INDICATED. SEE LIGHTING CONTROL DETAILS FOR ADDITIONAL REQUIREMENTS AND INFORMATION.
- RE-LOCATED OCCUPANCY SENSOR. SENSORS TO CONTROL ALL LIGHTS IN THIS ROOM OR ZONE(S) INDICATED FOR AUTO ON/OFF CONTROLS.
- PROVIDE NEW LIGHTING CONTROL SWITCH(ES) AS INDICATED. CONNECT TO EXISTING AND/OR NEW LIGHT FIXTURES IN THIS AREA FOR ZONE CONTROLS AS INDICATED. SEE LIGHTING CONTROL DETAILS FOR ADDITIONAL REQUIREMENTS AND INFORMATION.
- PROVIDE NEW CONTROL SWITCH(ES) AS INDICATED. UTILIZE EXISTING BACKBOX(ES), PATHWAY(S) AND CIRCUITING AS REQUIRED TO CONNECT TO EXISTING OR NEW LIGHT FIXTURE(S) AND ZONE(S) INDICATED. SEE LIGHTING CONTROL DETAILS FOR ADDITIONAL REQUIREMENTS AND INFORMATION.
- RE-LOCATED LIGHT FIXTURE(S) IN NEW CEILING GRID. RE-CONNECT RELOCATED LIGHT FIXTURE(S) TO EXISTING NORMAL POWER LIGHTING CIRCUIT IN THIS AREA (UNLESS OTHERWISE NOTED). PROVIDE ADDITIONAL POWER PACKS AS REQUIRED FOR NEW CONTROL ZONES INDICATED. SEE LIGHTING CONTROL DETAILS FOR ADDITIONAL REQUIREMENTS AND INFORMATION.
- CONNECT NEW, RE-LOCATED, OR EXISTING LIGHT FIXTURE(S) INDICATED TO NEAREST EMERGENCY LIGHTING CIRCUIT IN THIS AREA. PROVIDE UNSWITCHED HOT TO ALL EXIT SIGNS AND NIGHT LIGHTS ("NL") FOR 24/7 OPERATION.
- NEW LIGHTING CONTROL ZONE. EXISTING AND/OR RE-LOCATED LIGHTING DEVICES TO BE RE-WORKED AS REQUIRED TO CONTROL FIXTURE(S) IN THIS ZONE ONLY. PROVIDE ADDITIONAL POWER PACKS AS NEEDED. SEE LIGHTING CONTROL DETAILS FOR ADDITIONAL REQUIREMENTS AND INFORMATION.

DATE: 03 MAR 2025
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PROJECT: BL 417
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DESIGNER: CMTA

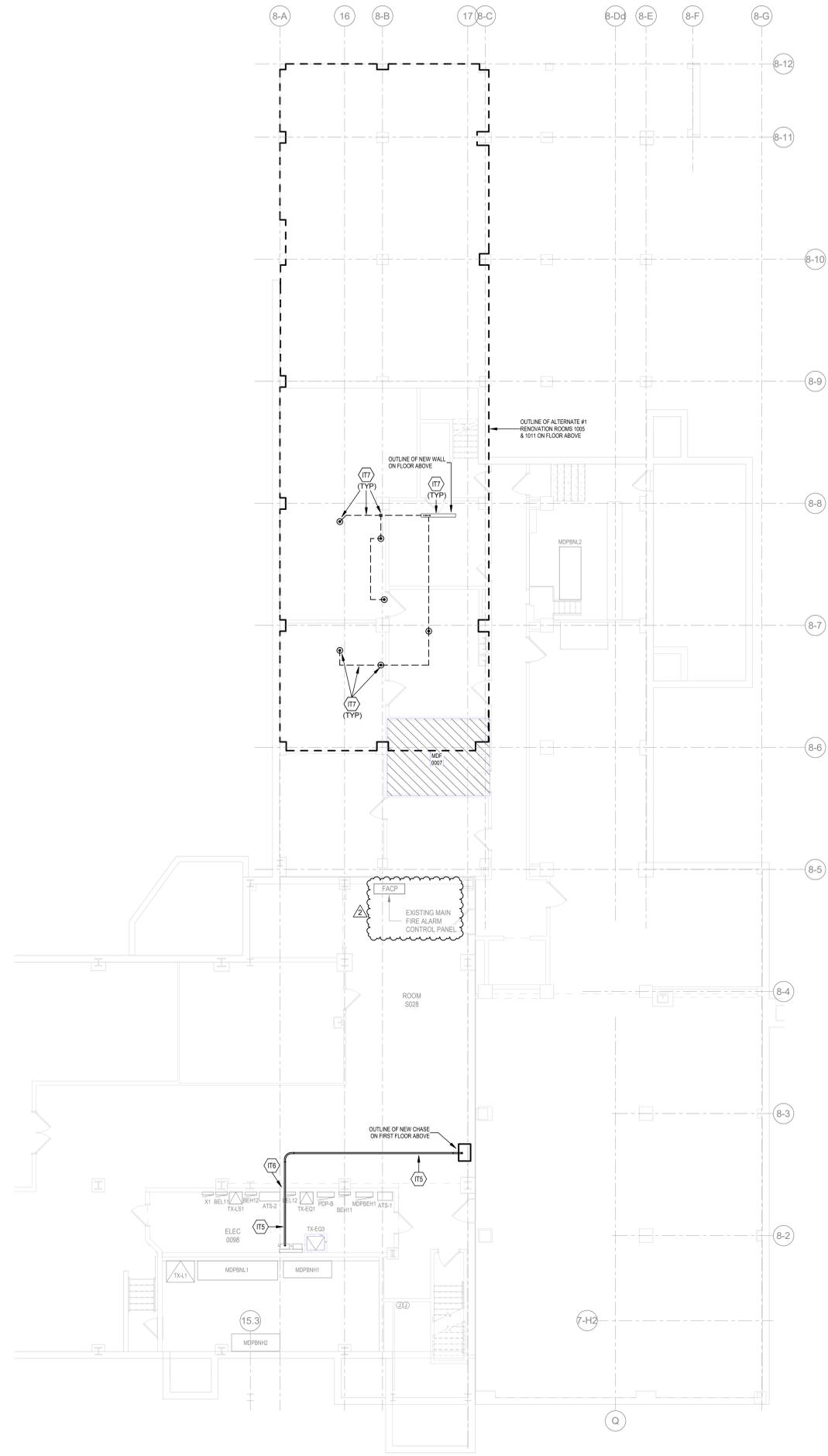
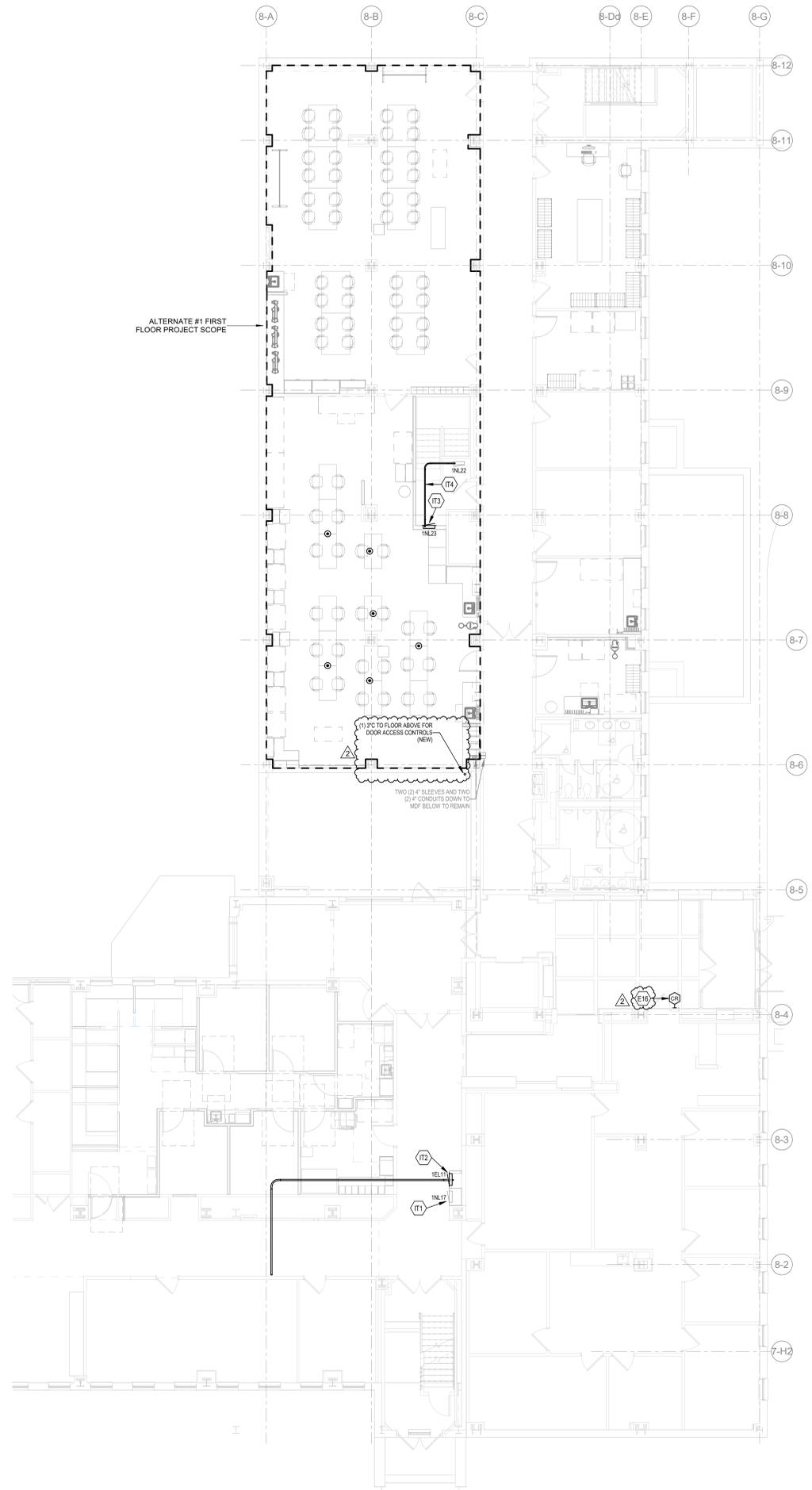
REGISTERED PROFESSIONAL ENGINEER
 No. 0200105
 STATE OF INDIANA
 WILIAM R. SKACEL
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REVISIONS
 2 Addendum 2 (03/22/2025)

BL 417 GEOLOGY - FACILITY 100
 INDIANA UNIVERSITY BLOOMINGTON: BL417
 GEOLOGICAL SCIENCES
 BL417: 1001 E. 10TH STREET
 BLOOMINGTON, IN 47405

CONSTRUCTION DOCUMENTS



FIFTH FLOOR - EAST WING - ELECTRICAL PLANS
E205



GENERAL NOTES (INTERCONNECTION):

- A. THE CONTRACTOR SHALL VISIT SITE AND VERIFY THAT PULL BOXES AND CONDUITS MAY BE INSTALLED AS INDICATED. IF THERE IS A CONFLICT, CONTRACTOR SHALL NOTIFY ENGINEER 10 DAYS PRIOR TO BID. NO PRICE CHANGE WILL BE GIVEN FOR ANY ALTERNATE ROUTINGS OF CONDUIT AFTER THE CONTRACT HAS BEEN AWARDED. NOTIFY FACILITY ENGINEER AT LEAST 24 HOURS IN ADVANCE OF ANY VISIT.
- B. ALL NEW WORK SHALL BE HUNG FROM STRUCTURE, NOT FROM THE WORK OF OTHER TRADES (WHETHER EXISTING OR NEW).
- C. COORDINATE ALL WORK WITH ARCHITECTURAL/MECHANICAL PHASING AND APPROPRIATE FACILITY STAFF. WORK IN CERTAIN AREAS SHALL BE DONE ON WEEKENDS AND/OR AT NIGHT. COORDINATE ALL REQUIREMENTS WITH ARCHITECT/OWNER PRIOR TO BID.
- D. COORDINATE ALL WORK WITH ARCHITECTURAL/MECHANICAL PHASING AND APPROPRIATE FACILITY STAFF. WORK IN CERTAIN AREAS SHALL BE DONE ON WEEKENDS AND/OR AT NIGHT. COORDINATE ALL REQUIREMENTS WITH ARCHITECT/OWNER PRIOR TO BID.
- E. PROVIDE UL LISTED PENETRATIONS TO MATCH RATING OF WALL/FLOOR ASSEMBLY.
- F. OPEN CABLING PATHWAYS ARE NOT PERMITTED ABOVE INACCESSIBLE CEILING OR IN AREAS WITH NO CEILING UNLESS OTHERWISE NOTED. PROVIDE RACEWAY FROM OUTLET BOX TO CABLE TRAY OR ACCESSIBLE CEILING.
- G. COORDINATE EXACT LOCATION OF ALL SLEEVES SO THEY ARE INSTALLED ABOVE CABLE TRAYS.
- H. REMOVE AND RE-INSTALL ALL CEILING TILES, HARD CEILINGS, AND/OR GRID MEMBERS AS NECESSARY TO PERFORM WORK REQUIRED. TO ENSURE NEW REPLACEMENT CEILING TILES MATCH EXISTING TILES IN AREA, THE CONTRACTOR SHALL REMOVE TILES FROM DESIGNATED ROOM(S) AND USE THESE TO REPLACE DAMAGED CEILING TILES. ALL NEW CEILING TILES SHALL BE INSTALLED IN "DESIGNATED" ROOM(S) AT CLOSE OF PROJECT. COORDINATE "DESIGNATED" ROOM(S) WITH FACILITY ENGINEER. REPLACE TILES WITH NEW IF ACCEPTABLE TO OWNER.

KEYNOTES

- E16 PROVIDE ROUGH-IN FOR NEW CARD READER DEVICE. BACBOX AND PATHWAYS TO BE SURFACE MOUNTED ON EXISTING WALL. PROVIDE BELDEN 63MMJ CABLE (OR APPROVED EQUAL) FROM NEW CARD READER BACK TO NEW DOOR ACCESS CONTROLLER IN CLOSET 2017. SEE SECOND FLOOR NEW WORK PLANS AND INTERCONNECTION PLANS. REFER TO DIVISION 08 SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS AND INFORMATION.
- IT1 EXISTING PANEL TO REMAIN.
- IT2 AS PART OF ALTERNATE #1: PROVIDE NEW EMERGENCY ELECTRICAL PANEL "1EL11" TO BE INSTALLED RECESSED IN NEW CORRIDOR CHASE. SEE PANEL SCHEDULE FOR ADDITIONAL REQUIREMENTS AND INFORMATION. REFER TO ARCHITECTURAL PLANS FOR CHASE CONSTRUCTION. NEW CHASE TO MATCH WIDTH AND SIZE OF EXISTING CHASE IN SAME AREA.
- IT3 AS PART OF ALTERNATE #1: PROVIDE NEW NORMAL POWER ELECTRICAL PANEL "1NL23". RECESS IN NEW WALL CONSTRUCTION. SEE PANEL SCHEDULE FOR ADDITIONAL REQUIREMENTS AND INFORMATION.
- IT4 AS PART OF ALTERNATE #1: PROPOSED ROUTE FOR NEW FEED FOR ELECTRICAL PANEL "1NL23" FROM NEW 100A/3P IN EXISTING PANEL "1NL22". CONTRACTOR TO FIELD VERIFY BEST ROUTE PRIOR TO CONSTRUCTION. SEE PANEL SCHEDULES AND ELECTRICAL ONE-LINE DIAGRAM FOR ADDITIONAL REQUIREMENTS AND INFORMATION.
- IT5 AS PART OF ALTERNATE #1: PROPOSED ROUTE FOR NEW FEED FOR ELECTRICAL PANEL "1EL11" FROM EXISTING 200A DISCONNECT IN BASEMENT ELECTRICAL ROOM 0098. PROVIDE FOUR (4) #10, ONE (1) #6 GROUND, IN 2" CONDUIT. CONTRACTOR TO FIELD VERIFY BEST ROUTE PRIOR TO CONSTRUCTION. SEE PANEL SCHEDULES FOR ADDITIONAL REQUIREMENTS AND INFORMATION.
- IT6 AS PART OF ALTERNATE #1: PATCH AND REPAIR ALL WALLS FOR CONDUIT PENETRATIONS AS REQUIRED. MAINTAIN EXISTING FIRE RATINGS. REFER TO SLEEVE PENETRATION DETAIL FOR ADDITIONAL REQUIREMENTS AND INFORMATION.
- IT7 AS PART OF ALTERNATE #1: PROPOSED LOCATION FOR POKE-THRU'S SERVING FIXED FURNITURE ON FLOOR ABOVE. FINAL LOCATIONS TO BE COORDINATED WITH OWNER'S FINAL FURNITURE SELECTIONS PRIOR TO CORE DRILLING OR INSTALLATION. PROPOSED ROUTING OF 3/4" AND 1-1/4" CONDUITS SHOWN FOR POWERS AND DATA ARE DIAGRAMMATIC ONLY. CONTRACTOR TO FIELD VERIFY EXACT ROUTING WHEN FINAL LOCATIONS ARE DETERMINED. CONDUITS TO ROUTE UP IN NEW WALL ON FLOOR ABOVE AS INDICATED FOR CONNECTION TO PANEL "1NL23". PROVIDE NUMBER OF JUNCTION BOXES FOR CONDUIT ROUTINGS AS REQUIRED. SEE DETAIL ON E400 AND FLOORBOX SCHEDULE FOR ADDITIONAL REQUIREMENTS AND INFORMATION.

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BL 417 GEOLOGY - FACULTY 100
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 BL417: 1001 E. 10TH STREET
 BLOOMINGTON, IN 47405

CONSTRUCTION DOCUMENTS



PARTIAL
 INTERCONNECTION
 PLANS -
 BASEMENT &
 FIRST FLOOR
E300

1 PARTIAL FIRST FLOOR INTERCONNECTION PLAN
 SCALE: 1/8" = 1'-0"

2 PARTIAL BASEMENT FLOOR INTERCONNECTION PLAN
 SCALE: 1/8" = 1'-0"

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 SHEET: E301



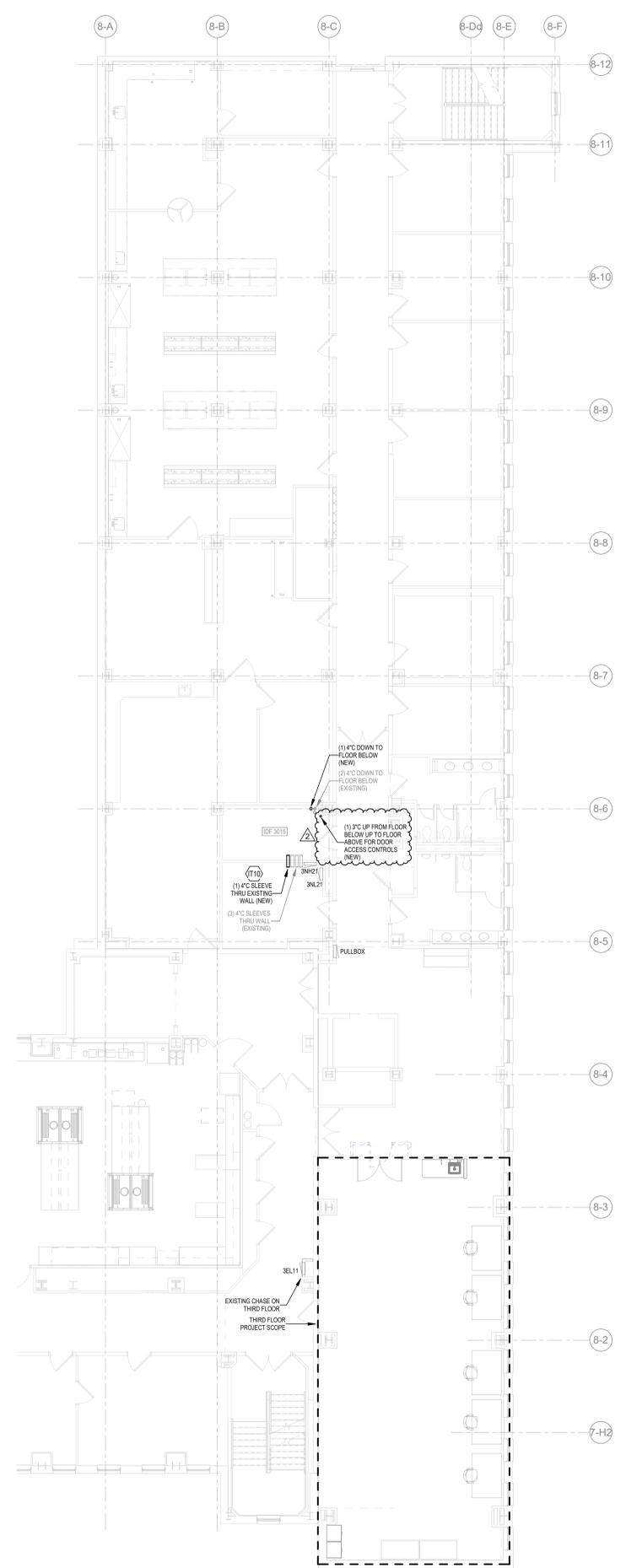
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 2 Addendum 2 03/22/2024

GENERAL NOTES (INTERCONNECTION):

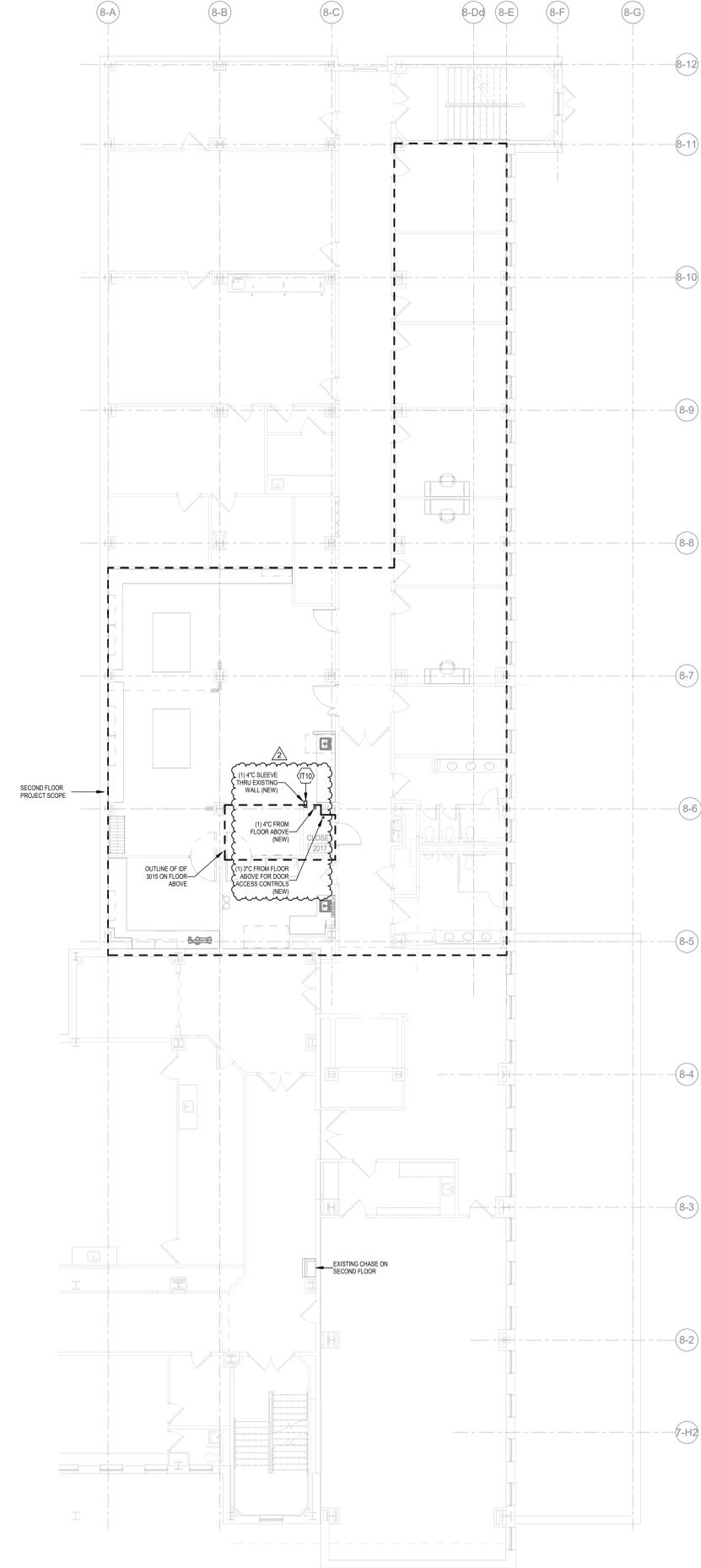
- A. THE CONTRACTOR SHALL VISIT SITE AND VERIFY THAT PULL BOXES AND CONDUITS MAY BE INSTALLED AS INDICATED. IF THERE IS A CONFLICT, CONTRACTOR SHALL NOTIFY ENGINEER 10 DAYS PRIOR TO BID. NO PRICE CHANGE WILL BE GIVEN FOR ANY ALTERNATE ROUTINGS OF CONDUIT AFTER THE CONTRACT HAS BEEN AWARDED. NOTIFY FACILITY ENGINEER AT LEAST 24 HOURS IN ADVANCE OF ANY VISIT.
- B. ALL NEW WORK SHALL BE HUNG FROM STRUCTURE, NOT FROM THE WORK OF OTHER TRADES (WHETHER EXISTING OR NEW).
- C. COORDINATE ALL WORK WITH ARCHITECTURAL/MECHANICAL PHASING AND APPROPRIATE FACILITY STAFF. WORK IN CERTAIN AREAS SHALL BE DONE ON WEEKENDS AND/OR AT NIGHT. COORDINATE ALL REQUIREMENTS WITH ARCHITECT/OWNER PRIOR TO BID.
- D. COORDINATE ALL WORK WITH ARCHITECTURAL/MECHANICAL PHASING AND APPROPRIATE FACILITY STAFF. WORK IN CERTAIN AREAS SHALL BE DONE ON WEEKENDS AND/OR AT NIGHT. COORDINATE ALL REQUIREMENTS WITH ARCHITECT/OWNER PRIOR TO BID.
- E. PROVIDE UL LISTED PENETRATIONS TO MATCH RATING OF WALL/FLOOR ASSEMBLY.
- F. OPEN CABLING PATHWAYS ARE NOT PERMITTED ABOVE INACCESSIBLE CEILINGS OR IN AREAS WITH NO CEILINGS UNLESS OTHERWISE NOTED. PROVIDE RACEWAY FROM OUTLET BOX TO CABLE TRAY OR ACCESSIBLE CEILING.
- G. COORDINATE EXACT LOCATION OF ALL SLEEVES SO THEY ARE INSTALLED ABOVE CABLE TRAYS.
- H. REMOVE AND RE-INSTALL ALL CEILING TILES, HARD CEILINGS, AND/OR GRID MEMBERS AS NECESSARY TO PERFORM WORK REQUIRED. TO ENSURE NEW REPLACEMENT CEILING TILES MATCH EXISTING TILES IN AREA, THE CONTRACTOR SHALL REMOVE TILES FROM DESIGNATED ROOM(S) AND USE THESE TO REPLACE DAMAGED CEILING TILES. ALL NEW CEILING TILES SHALL BE INSTALLED IN "DESIGNATED" ROOM(S) AT CLOSE OF PROJECT. COORDINATE "DESIGNATED" ROOM(S) WITH FACILITY ENGINEER. REPLACE TILES WITH NEW IF ACCEPTABLE TO OWNER.

KEYNOTES

- IT10 PATCH AND REPAIR ALL WALLS FOR CONDUIT PENETRATIONS AS REQUIRED, QUANTITIES AS INDICATED ON PLANS. MAINTAIN EXISTING FIRE RATINGS. REFER TO SLEEVE PENETRATION DETAIL FOR ADDITIONAL REQUIREMENTS AND INFORMATION.



1 PARTIAL THIRD FLOOR INTERCONNECTION PLAN
 SCALE: 1/8" = 1'-0"



2 PARTIAL SECOND FLOOR INTERCONNECTION PLAN
 SCALE: 1/8" = 1'-0"

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 BL417: 1001 E. 10TH STREET
 BLOOMINGTON, IN 47405

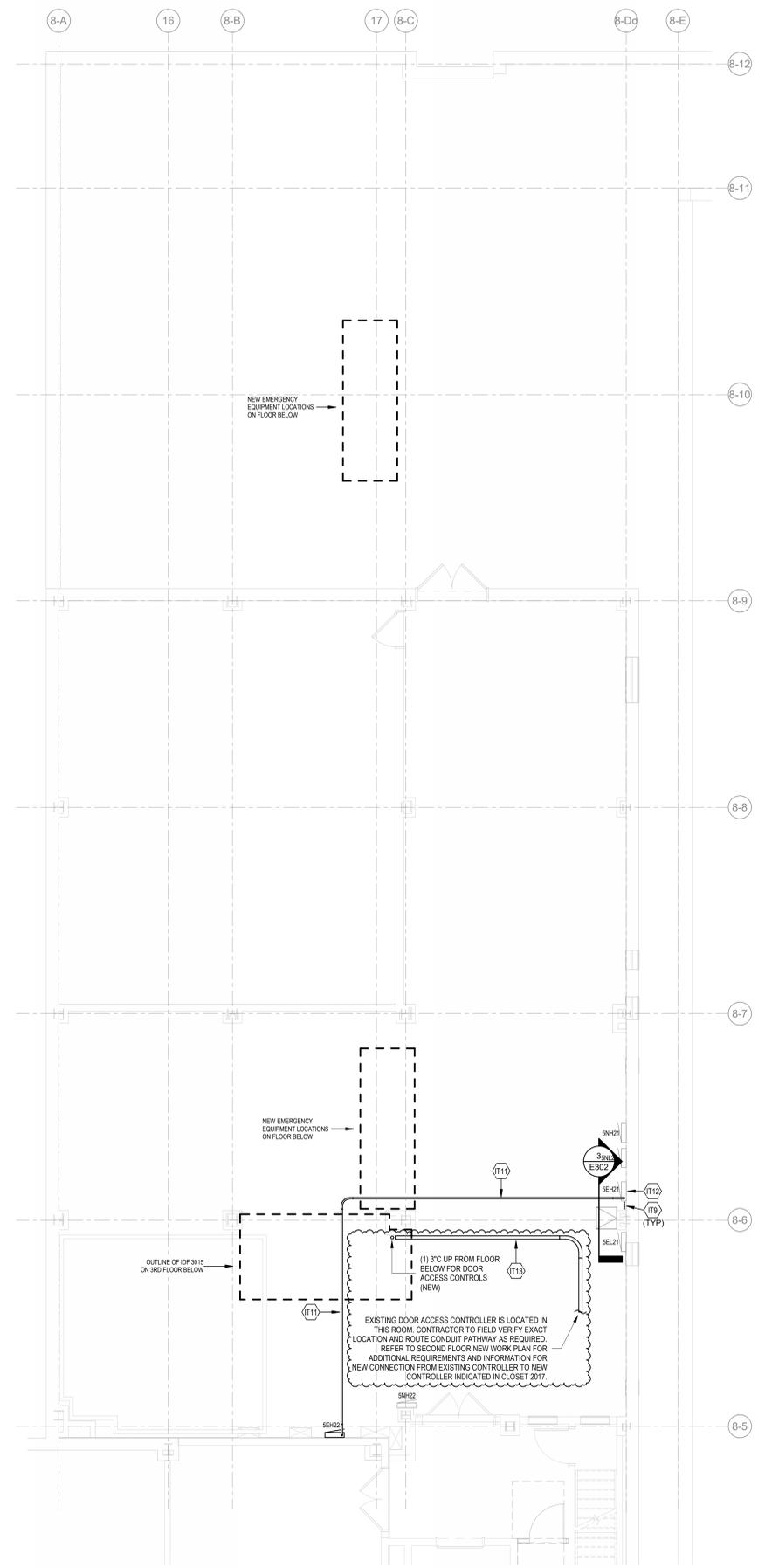
CONSTRUCTION DOCUMENTS



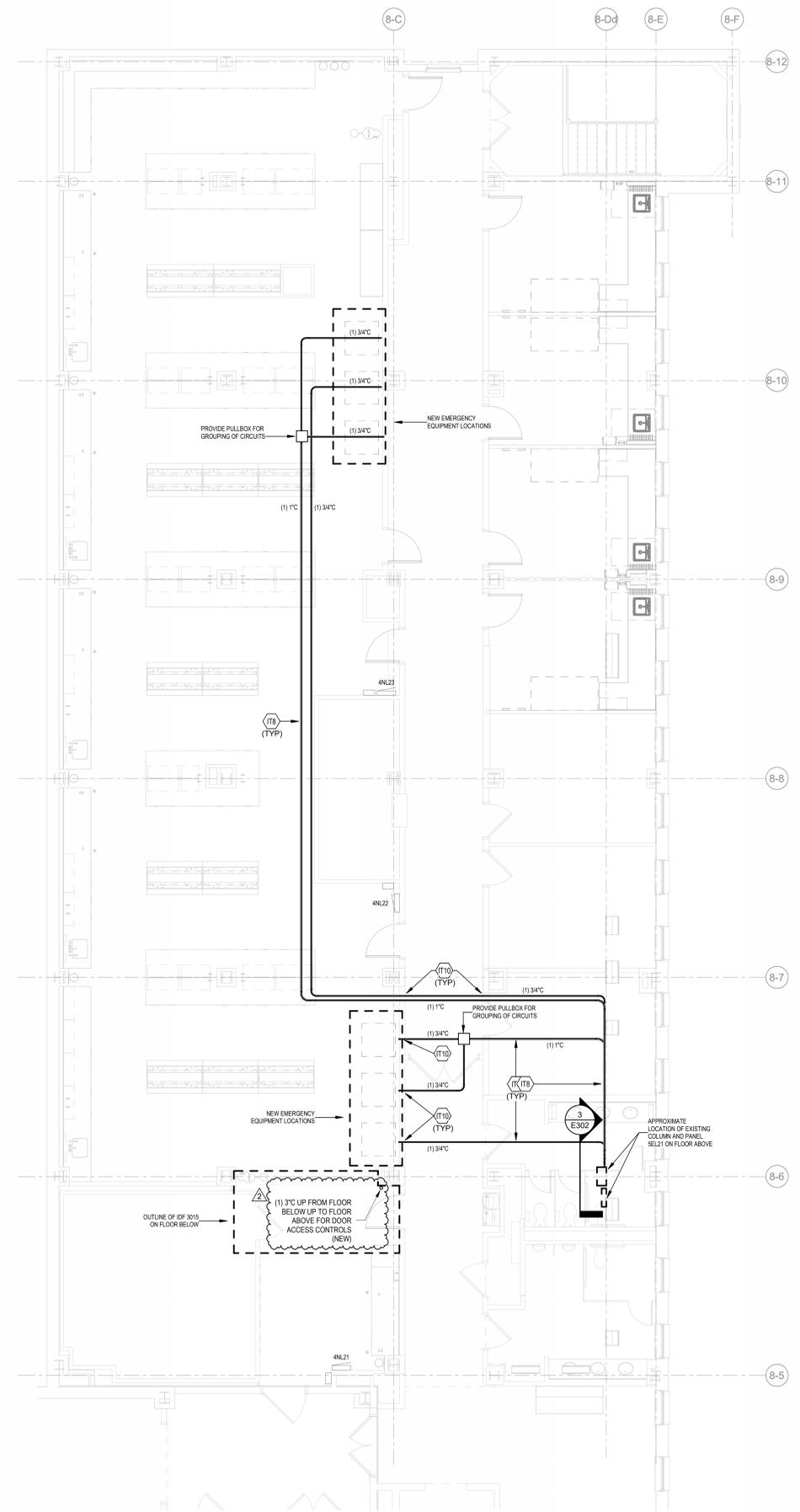
PARTIAL INTERCONNECTION PLANS - SECOND FLOOR & THIRD FLOOR
E301

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1 PARTIAL FIFTH FLOOR INTERCONNECTION PLAN
SCALE: 3/16" = 1'-0"



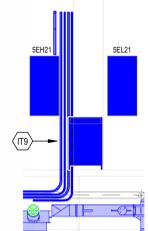
2 PARTIAL FOURTH FLOOR INTERCONNECTION PLAN
SCALE: 3/16" = 1'-0"

GENERAL NOTES (INTERCONNECTION):

- A. THE CONTRACTOR SHALL VISIT SITE AND VERIFY THAT PULL BOXES AND CONDUITS MAY BE INSTALLED AS INDICATED. IF THERE IS A CONFLICT, CONTRACTOR SHALL NOTIFY ENGINEER 10 DAYS PRIOR TO BID. NO PRICE CHANGE WILL BE GIVEN FOR ANY ALTERNATE ROUTINGS OF CONDUIT AFTER THE CONTRACT HAS BEEN AWARDED. NOTIFY FACILITY ENGINEER AT LEAST 24 HOURS IN ADVANCE OF ANY VISIT.
- B. ALL NEW WORK SHALL BE HUNG FROM STRUCTURE, NOT FROM THE WORK OF OTHER TRADES (WHETHER EXISTING OR NEW).
- C. COORDINATE ALL WORK WITH ARCHITECTURAL/MECHANICAL PHASING AND APPROPRIATE FACILITY STAFF. WORK IN CERTAIN AREAS SHALL BE DONE ON WEEKENDS AND/OR AT NIGHT. COORDINATE ALL REQUIREMENTS WITH ARCHITECT/OWNER PRIOR TO BID.
- D. COORDINATE ALL WORK WITH ARCHITECTURAL/MECHANICAL PHASING AND APPROPRIATE FACILITY STAFF. WORK IN CERTAIN AREAS SHALL BE DONE ON WEEKENDS AND/OR AT NIGHT. COORDINATE ALL REQUIREMENTS WITH ARCHITECT/OWNER PRIOR TO BID.
- E. PROVIDE UL LISTED PENETRATIONS TO MATCH RATING OF WALL/FLOOR ASSEMBLY.
- F. OPEN CABLING PATHWAYS ARE NOT PERMITTED ABOVE INACCESSIBLE CEILING OR IN AREAS WITH NO CEILING UNLESS OTHERWISE NOTED. PROVIDE RACEWAY FROM OUTLET BOX TO CABLE TRAY OR ACCESSIBLE CEILING.
- G. COORDINATE EXACT LOCATION OF ALL SLEEVES SO THEY ARE INSTALLED ABOVE CABLE TRAYS.
- H. REMOVE AND RE-INSTALL ALL CEILING TILES, HARD CEILING, AND/OR GRID MEMBERS AS NECESSARY TO PERFORM WORK REQUIRED. TO ENSURE NEW REPLACEMENT CEILING TILES MATCH EXISTING TILES IN AREA, THE CONTRACTOR SHALL REMOVE TILES FROM DESIGNATED ROOM(S) AND USE THESE TO REPLACE DAMAGED CEILING TILES. ALL NEW CEILING TILES SHALL BE INSTALLED IN "DESIGNATED" ROOM(S) AT CLOSE OF PROJECT. COORDINATE "DESIGNATED" ROOM(S) WITH FACILITY ENGINEER. REPLACE TILES WITH NEW IF ACCEPTABLE TO OWNER.

KEYNOTES

- IT8 PROPOSED ROUTE FOR NEW CIRCUIT CONDUIT CONNECTIONS IN 4TH FLOOR CEILING SPACE. CONTRACTOR TO FIELD VERIFY BEST ROUTE PRIOR TO CONSTRUCTION. REMOVE AND RE-INSTALL EXISTING CEILING TILES AS REQUIRED FOR WORK. ANY DAMAGED CEILING TILES TO BE REPLACED AT THE CONTRACTOR'S EXPENSE. SEE FIFTH FLOOR INTERCONNECTION PLAN FOR ADDITIONAL REQUIREMENTS AND INFORMATION.
- IT9 EMT CONDUITS UP FROM FLOOR BELOW. CONDUITS TO ROUTE UP FACE OF EXISTING COLUMN ON 5TH FLOOR. PROVIDE SUPPORTS PER SPECIFICATIONS. ROUTE OVERHEAD TO EXISTING PANEL SEL21 FOR NEW CIRCUIT CONNECTIONS. SEE SLEEVE PENETRATION DETAILS.
- IT10 PATCH AND REPAIR ALL WALLS FOR CONDUIT PENETRATIONS AS REQUIRED. QUANTITIES AS INDICATED ON PLANS. MAINTAIN EXISTING FIRE RATINGS. REFER TO SLEEVE PENETRATION DETAIL FOR ADDITIONAL REQUIREMENTS AND INFORMATION.
- IT11 PROPOSED ROUTE FOR NEW FEED FOR ELECTRICAL PANEL "SEH22" FROM NEW 100A/3P IN EXISTING PANEL "SEH21". CONTRACTOR TO FIELD VERIFY BEST ROUTE PRIOR TO CONSTRUCTION. SEE PANEL SCHEDULES AND ELECTRICAL ONE-LINE DIAGRAM FOR ADDITIONAL REQUIREMENTS AND INFORMATION.
- IT12 EXISTING 50A/3P BREAKER SERVING LOAD TITLED "LEF-4C ROOF FAN" TO BE REMOVED FROM EXISTING PANEL "SEH21". INTERCEPT AND EXTEND EXISTING ELECTRICAL CONNECTION AS REQUIRED TO NEW 50A/3P BREAKER IN NEW PANEL "SEH22" INDICATED ON THESE PLANS. PROVIDE NEW 100A/3P BREAKER IN EXISTING PANEL "SEH21" TO SERVE NEW PANEL "SEH22". SEE PANEL SCHEDULES AND ELECTRICAL ONE-LINE DIAGRAM FOR ADDITIONAL REQUIREMENTS AND INFORMATION.
- IT13 PROPOSED ROUTE FOR ONE (1) NEW 3" CONDUIT UP FROM FLOORS BELOW AND THROUGH EXISTING 5TH FLOOR AND INTO ROOM 5041 FOR NEW ACCESS CONTROLS CONNECTIONS. CONTRACTOR TO FIELD VERIFY BEST ROUTE PRIOR TO CONSTRUCTION. REMOVE AND RE-INSTALL EXISTING CEILING TILES AS REQUIRED FOR WORK. ANY DAMAGED CEILING TILES TO BE REPLACED AT THE CONTRACTOR'S EXPENSE. SEE INTERCONNECTION PLANS FOR ALL FLOORS FOR ADDITIONAL REQUIREMENTS AND INFORMATION.



3 CONDUIT ELEVATION 4TH & 5TH FLOORS
SCALE: 1/4" = 1'-0"

DATE: 03 MAR 2025
 DRAWN BY: [Signature]
 CHECKED BY: [Signature]
 PROJECT: BL 417 GEOLGY - FACULTY 100
 SHEET: E302
 REVISIONS:
 2 Addendum 2 03/22/2025

BL 417 GEOLGY - FACULTY 100
 INDIANA UNIVERSITY BLOOMINGTON: BL417
 GEOLOGICAL SCIENCES
 BL417: 1001 E. 10TH STREET
 BLOOMINGTON, IN 47405

CONSTRUCTION DOCUMENTS



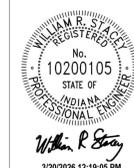
PARTIAL INTERCONNECTION PLANS - FOURTH & FIFTH FLOORS E302

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PLAN NOTES 25 - P200

- 1 CONNECT NEW APW PIPING TO EXISTING SAN PIPING. COORDINATE EXACT LOCATION WITH ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION.
- 2 SOLID LINE INDICATES AREA OF ACID PROOF WASTE PIPING TO BE INSTALLED IN CURRENTLY UNEXCAVATED AREA. AREA INDICATED IS INCLUDED IN ALTERNATE #1 SCOPE.
- 3 SOLID LINE INDICATES AREA OF PIPING TO BE INCLUDED AS PART OF ALTERNATE #1 SCOPE.
- 4 DASHED LINE INDICATES AREA OF FIRE SPRINKLER SYSTEM TO BE MODIFIED TO ACCOMMODATE THE NEW LAYOUT INCLUDING NEW AND EXISTING UTILITIES ABOVE CEILING. COORDINATE SPRINKLER INSTALL WITH ALL TRADES PRIOR TO INSTALL. ALL SPRINKLER HEADS SHALL MATCH EXISTING HEADS WITHIN LAB SPACES. COORDINATE SHUT DOWN WITH OWNER.
- 5 CONNECT NEW APW PIPING TO EXISTING SANITARY PIPING IN STORAGE 0004. FIELD VERIFY EXACT LOCATION PRIOR TO CONSTRUCTION.
- 6 CONTRACTOR TO FIELD VERIFY EXACT ELEVATION AND LOCATION OF EXISTING SANITARY PIPING BELOW SLAB PRIOR TO CONSTRUCTION.
- 7 CONNECT NEW APW PIPING TO EXISTING SANITARY PIPING BELOW FINISHED FLOOR.
- 8 CONTRACTOR TO COORDINATE EXACT LOCATION OF ALL UTILITIES IN STORAGE ROOM PRIOR TO PENETRATION THROUGH FLOOR SLAB.
- 9 CONTRACTOR TO COORDINATE ALL FLOOR PENETRATIONS WITH EXISTING UTILITIES AND STRUCTURE PRIOR TO CONSTRUCTION. TYPICAL OF ALL.

DATE: 03 MAR 2024
SCALE: 1/4" = 1'-0"
DRAWN BY: CM
CHECKED BY: CM
PROJECT: BL 417
SHEET: P200

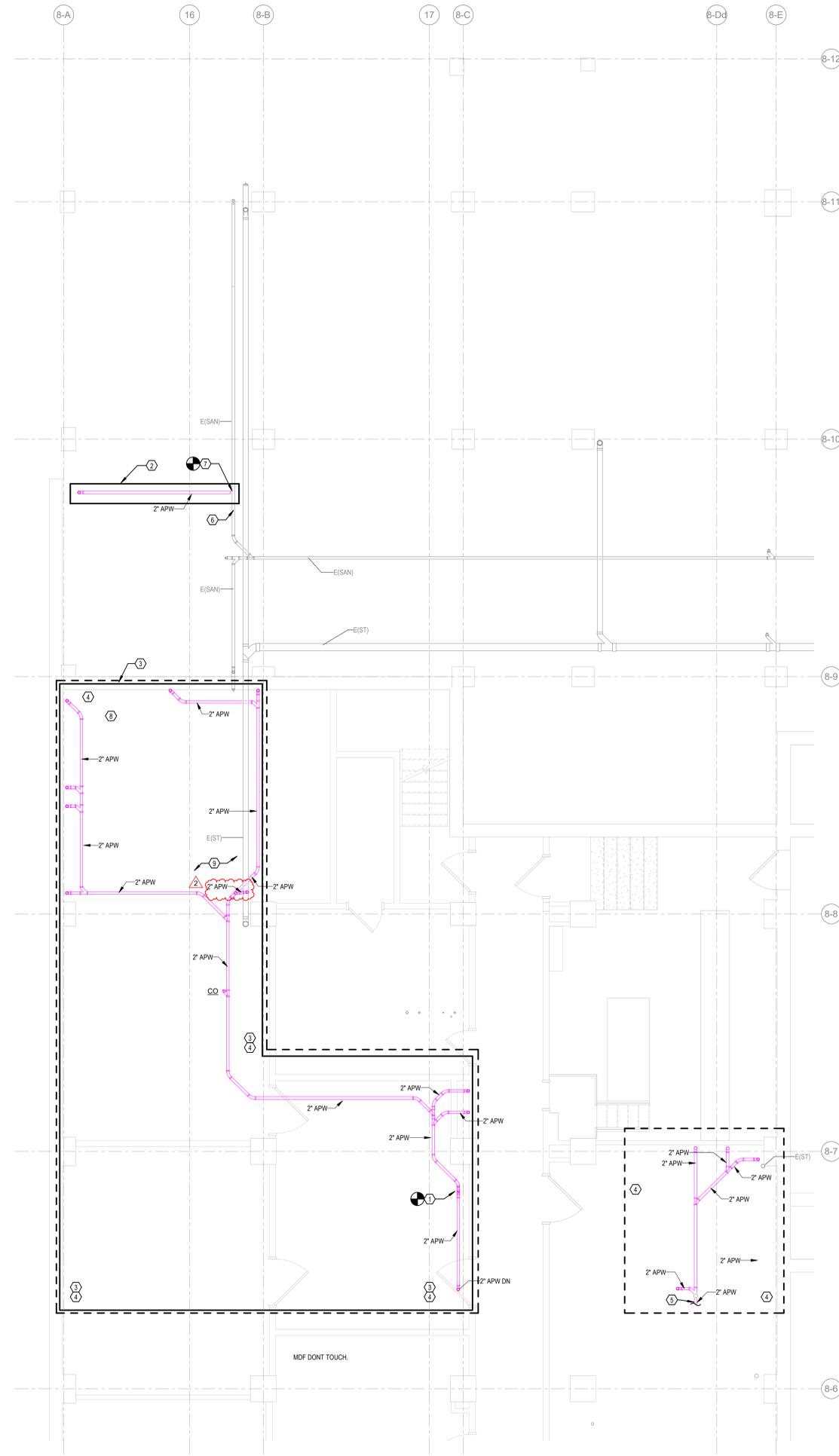


REVISIONS	
2	Addendum 2

CONTRACTOR SHALL COORDINATE WITH ALL TRADES NEW AND EXISTING PRIOR TO CONSTRUCTION.

CONTRACTOR TO NOTIFY OWNER MINIMUM 14 DAYS PRIOR TO SHUTDOWN OF ANY UTILITIES.

PLUMBING CONTRACTOR TO CORE DRILL THROUGH EXISTING MASONRY WALLS PATCH AND REPAIR AS NECESSARY.



1 NORTH BASEMENT PLUMBING PLAN
SCALE: 1/4" = 1'-0"

BL 417 GEOLOGY - FACILITY 100
INDIANA UNIVERSITY BLOOMINGTON: BL-417
GEOLOGICAL SCIENCES
BL417: 1001 E. 10TH STREET
BLOOMINGTON, IN 47405

CONSTRUCTION DOCUMENTS



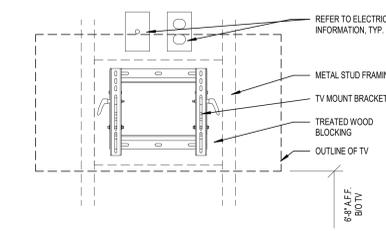
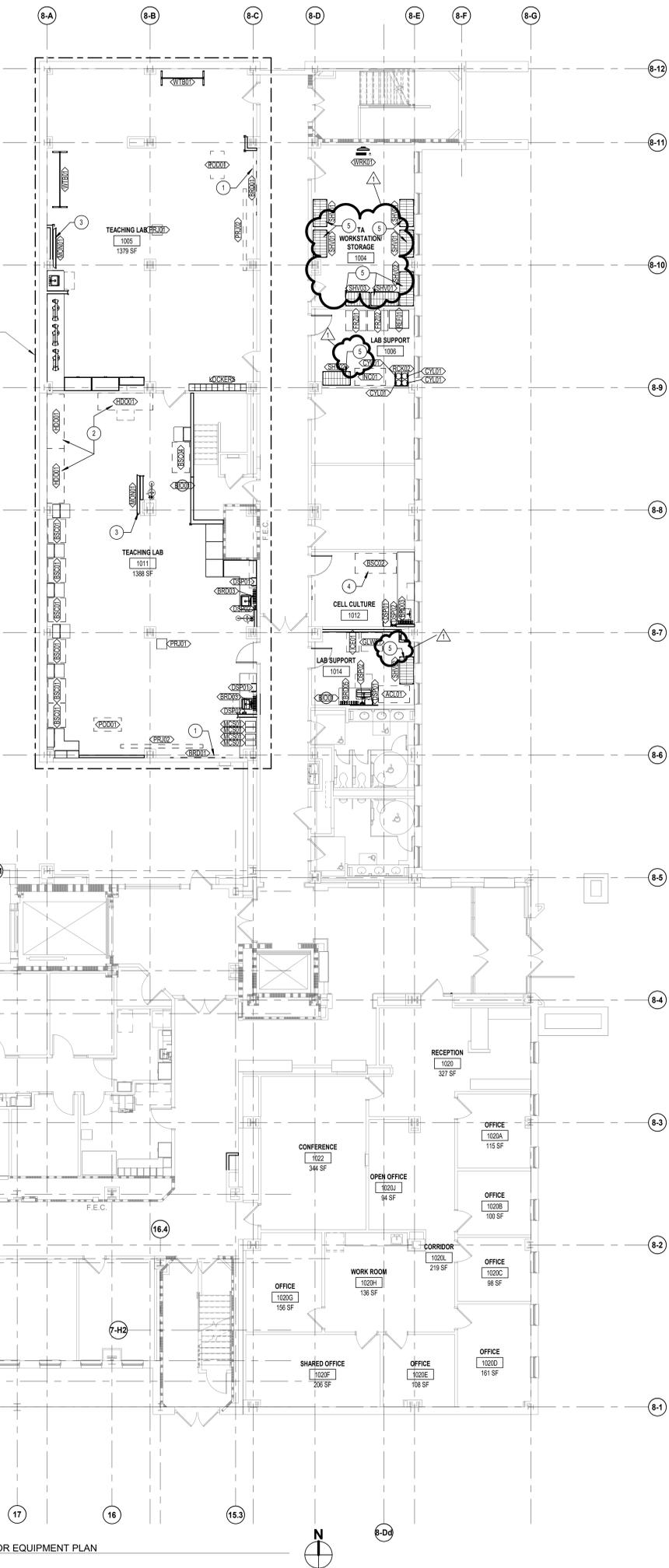
BASEMENT PLUMBING PLANS P200

FIRST FLOOR EQUIPMENT SCHEDULE

ROOM NUMBER	EQUIP ID	ROOM NAME	EQUIP DESCRIPTION	RESPONSIBILITY	REMARKS
1004	SHV01	TA WORKSTATION/STORAGE	WIRE SHELVING 24"x48"	CFCI	PROVIDE SOLID BOTTOM SHELF
1004	SHV01	TA WORKSTATION/STORAGE	WIRE SHELVING 24"x48"	CFCI	PROVIDE SOLID BOTTOM SHELF
1004	SHV01	TA WORKSTATION/STORAGE	WIRE SHELVING 24"x48"	CFCI	PROVIDE SOLID BOTTOM SHELF
1004	SHV01	TA WORKSTATION/STORAGE	WIRE SHELVING 24"x48"	CFCI	PROVIDE SOLID BOTTOM SHELF
1004	SHV01	TA WORKSTATION/STORAGE	WIRE SHELVING 24"x48"	CFCI	PROVIDE SOLID BOTTOM SHELF
1004	SHV02	TA WORKSTATION/STORAGE	WIRE SHELVING 24"x60"	CFCI	PROVIDE SOLID BOTTOM SHELF
1004	SHV03	TA WORKSTATION/STORAGE	WIRE SHELVING 24"x42"	CFCI	PROVIDE SOLID BOTTOM SHELF
1004	WB001	TA WORKSTATION/STORAGE	WIRE SHELVING 24"x48"	CFCI	PROVIDE SOLID BOTTOM SHELF
1005	BRD01	TEACHING LAB	36" GLASSBOARD	CFCI	COORDINATE EXACT LOCATION IN FIELD W/ OWNER
1005	MCK01	TEACHING LAB	MOBILE LECTURN	OFI	
1005	PRJ01	TEACHING LAB	DATA PROJECTOR	OFI	CEILING SUPPORT BY CONTRACTOR
1005	PRJ02	TEACHING LAB	PROJECTOR SCREEN	OFI	RECESSED, POWERED
1005	WTR01	TEACHING LAB	ROLLING MAGNETIC WHITEBOARD	OFI	
1005	WTR01	TEACHING LAB	ROLLING MAGNETIC WHITEBOARD	OFI	
1006	CYL01	LAB SUPPORT	GAS CYLINDER	OFI	CO2
1006	CYL01	LAB SUPPORT	GAS CYLINDER	OFI	CO2
1006	CYL01	LAB SUPPORT	GAS CYLINDER	OFI	CO2
1006	FRZ01	LAB SUPPORT	-80 FREEZER	OFI	
1006	FRZ02	LAB SUPPORT	-20 FREEZER	OFI	
1006	INC01	LAB SUPPORT	INCUBATOR	OFI	
1006	RCK02	LAB SUPPORT	4 CYLINDER RACK	CFCI	CYLINDER RACK WITH DIAMOND PLATE BASE
1006	FRZ01	LAB SUPPORT	FREEZER	OFI	
1006	SHV02	LAB SUPPORT	WIRE SHELVING 24"x48"	CFCI	PROVIDE SOLID BOTTOM SHELF
1011	BRD01	TEACHING LAB	36" GLASSBOARD	CFCI	COORDINATE EXACT LOCATION IN FIELD W/ OWNER
1011	BRD03	TEACHING LAB	36" GLASSBOARD	CFCI	COORDINATE EXACT LOCATION IN FIELD W/ OWNER
1011	DRN01	TEACHING LAB	DRAIN BOARD	CFCI	
1011	BSC01	TEACHING LAB	36" BIO SAFETY CABINET	CFCI	
1011	BSC01	TEACHING LAB	36" BIO SAFETY CABINET	CFCI	
1011	BSC01	TEACHING LAB	36" BIO SAFETY CABINET	CFCI	
1011	BSC01	TEACHING LAB	36" BIO SAFETY CABINET	CFCI	
1011	BSC01	TEACHING LAB	36" BIO SAFETY CABINET	CFCI	
1011	BSC01	TEACHING LAB	36" BIO SAFETY CABINET	CFCI	
1011	BSC04	TEACHING LAB	4 BIOSAFETY CABINET	CFCI	
1011	DSP01	TEACHING LAB	PAPER TOWEL DISPENSER	OFI	
1011	DSP01	TEACHING LAB	PAPER TOWEL DISPENSER	OFI	
1011	DSP02	TEACHING LAB	SOAP DISPENSER	OFI	
1011	DSP02	TEACHING LAB	SOAP DISPENSER	OFI	
1011	HDD01	TEACHING LAB	8 FUME HOOD	OFI	CONNECTION FOR COMPRESSED AIR, VACUUM, CUP SINKS, SPLIT SHASH
1011	HDD01	TEACHING LAB	8 FUME HOOD	OFI	CONNECTION FOR COMPRESSED AIR, VACUUM, CUP SINKS, SPLIT SHASH
1011	HDD01	TEACHING LAB	8 FUME HOOD	OFI	CONNECTION FOR COMPRESSED AIR, VACUUM, CUP SINKS, SPLIT SHASH
1011	MCS01	TEACHING LAB	MICROSCOPE	OFI	
1011	MCS01	TEACHING LAB	MICROSCOPE	OFI	
1011	MCS01	TEACHING LAB	MICROSCOPE	OFI	
1011	MCS01	TEACHING LAB	MICROSCOPE	OFI	
1011	MCK01	TEACHING LAB	TV 75"	OFI	
1011	PRJ01	TEACHING LAB	MOBILE LECTURN	OFI	
1011	PRJ02	TEACHING LAB	DATA PROJECTOR	OFI	CEILING SUPPORT BY CONTRACTOR
1011	PRJ02	TEACHING LAB	PROJECTOR SCREEN	OFI	RECESSED, POWERED
1012		CELL CULTURE	WALL CASEWORK, MOUNTED CYLINDER BRACKET	CFCI	CO2 AND COMPRESSED AIR
1012	BRD03	CELL CULTURE	DRAIN BOARD	CFCI	
1012	BSC02	CELL CULTURE	72" BIOSAFETY CABINET	CFCI	PIPED TURRETS FOR OXYGEN, COMPRESSED AIR, CO2, AND VACUUM
1012	DSP01	CELL CULTURE	PAPER TOWEL DISPENSER	OFI	
1012	DSP02	CELL CULTURE	SOAP DISPENSER	OFI	
1014	ACL01	LAB SUPPORT	AUTOCLAVE	OFI	
1014	BI001	LAB SUPPORT	30 GALLON BIO DISPOSAL	OFI	
1014	BRD05	LAB SUPPORT	Epoxy Resin Peg Drying Rack	CFCI	
1014	DSP01	LAB SUPPORT	PAPER TOWEL DISPENSER	OFI	
1014	DSP02	LAB SUPPORT	SOAP DISPENSER	OFI	
1014	GLW01	LAB SUPPORT	GLASSWARE WASHER	OFI	
1014	ICE01	LAB SUPPORT	FLOOR MOUNTED ICE MAKER	OFI	
1014	SHV02	LAB SUPPORT	WIRE SHELVING 24"x48"	CFCI	PROVIDE SOLID BOTTOM SHELF

ALL WORK IN, AND ASSOCIATED WITH, THIS AREA IS PART OF ALTERNATE 1.

ALL WORK IN, AND ASSOCIATED WITH, THIS AREA IS PART OF ALTERNATE 1.



2 TV MOUNTING DETAIL
1 1/2\"/>

1 FIRST FLOOR EQUIPMENT PLAN
1/8\"/>

GENERAL PLAN NOTES

- ALL DIMENSIONS ARE TO FACE OF FINISHED WALL, OR CENTERLINE OF COLUMNS, UNLESS OTHERWISE NOTED.
- REFER TO SHEETS A001 AND A002 FOR WALL TYPE DESIGNATIONS AND WALL RATINGS LEGENDS. ALL INTERIOR WALLS ARE TYPE "AZ" UNLESS OTHERWISE NOTED OR INDICATED TO BE A SMOKE AND/OR FIRE ENCLOSURE. COORDINATE WITH WALL RATINGS LEGEND AND WALL TYPE INFORMATION.
- REFER TO SHEET A003 FOR ACCESSIBILITY, MANEUVERING CLEARANCES, TYPICAL DIMENSIONS, ACCESSORY SCHEDULE ETC.
- ALL DOORS MUST MEET REQUIREMENTS OF INDIANA ACCESSIBILITY CODE. REFER TO SHEET A601 FOR DOOR CLEARANCE REQUIREMENTS.
- PROVIDE ENCLOSURES FOR UNDERSIDE OF CASEWORK WALL CABINETS AND FIXED SHELVES WHERE THESE CASEWORK ELEMENTS MEET IN A CORNER. ALL OUTSIDE CORNERS OF COUNTERTOPS, TRANSACTION TOPS, ETC. SHALL HAVE A 2" RADIUS, UNLESS NOTED OTHERWISE.
- COUNTERTOPS SHALL BE 2" DEEP UNLESS INDICATED OTHERWISE OR REQUIRED TO BE DEEPER BY EQUIPMENT SHOWN ON THE DRAWINGS. REFER TO SOLID SURFACE COUNTERTOP DETAIL A801-7.
- ALL EXTERIOR WINDOWS TO RECEIVE ROLLER SHADE WHERE INDICATED BY PLAN NOTE. PROVIDE BACKOUT SHADE AS INDICATED BY PLAN NOTE.
- ALL CORRIDOR WALLS SHALL RESIST THE PASSAGE OF SMOKE FROM FINISH FLOOR UP TO AND INCLUDING DECK ABOVE. SEAL ALL PENETRATIONS, OPENINGS, GAPS, ETC.
- INSTALL CONTROL JOINTS IN DRYWALL PER PROJECT MANUAL.
- INSTALL SLIP-TRACK STUD CONNECTION AT ALL METAL STUDS THAT EXTEND TO DECK ABOVE.
- COORDINATE WITH OWNER AND FACILITY STAFF. PROJECT PHASING TO MINIMIZE DISRUPTION OF EXISTING FACILITY SERVICES. PHASING TO INCLUDE ASSURANCE FOR CLEAN TO DIRTY AIR FLOW, EMERGENCY PROCEDURES, CRITERIA FOR INTERRUPTIONS, AND COMMUNICATION AUTHORITY. CONTRACTOR, OWNER, AND FACILITY STAFF TO PLAN FOR PROCEDURES ON THE EFFECTS OF NOISE AND VIBRATION ON HUMAN HEALTH AND SAFETY. THE RENOVATED AREAS SHALL BE ISOLATED FROM THE OCCUPIED AREAS DURING ALL PHASES OF CONSTRUCTION USING AIR TIGHT BARRIERS, AND EXHAUST AIR FLOW SHALL BE SUFFICIENT TO MAINTAIN NEGATIVE AIR PRESSURE IN THE CONSTRUCTION ZONE.
- VERIFY ALL CRITICAL DIMENSIONS WITHIN AND/OR RELATED TO THE EXISTING BUILDING, DIMENSIONS, AND CONDITIONS INDICATED WHERE DETERMINED BY VISUAL SURVEY AND/OR BY INFORMATION FROM EXISTING DRAWINGS. ANY DISCREPANCIES SHALL BE COORDINATED WITH ARCHITECT.
- PROVIDE FIRE EXTINGUISHER CABINETS IN LOCATIONS INDICATED ON PLAN. ALL FIRE EXTINGUISHER CABINETS SHALL BE CENTERED WITHIN THE WALL IN WHICH THEY ARE LOCATED, UNLESS OTHERWISE INDICATED ON THE PLAN.
- REFER TO PROJECT MANUAL AND SHEET A611 FOR INFORMATION REGARDING METAL STUD FRAMING AT ALL DOOR LOCATIONS.
- PROVIDE FILLER PANELS IN CORNERS WHERE CASEWORK DOORS/DRAWERS MEET AS REQUIRED TO PROVIDE ADEQUATE ROOM FOR OPERATION.
- ALL REFERENCES TO "TREATED" WOOD SHALL MEAN FIRE-RETARDANT TREATED.
- THE CONTRACTOR IS RESPONSIBLE FOR REVIEW OF ALL EQUIPMENT INFORMATION (OWNER FURNISHED, VENDOR FURNISHED AND CONTRACTOR FURNISHED) PERTAINING TO THESE CONTRACT DOCUMENTS. ADDITIONAL EQUIPMENT INFORMATION IS LOCATED IN THE PROJECT MANUAL, VENDOR INFORMATION, AND ONLINE VENDOR INSTALLATION MANUALS, ETC. THE PHRASE "BY OWNER OR CONTRACTOR" IN EQUIPMENT INFORMATION SHALL BE INTERPRETED TO MEAN "BY CONTRACTOR".
- ALL FIRE RATED WALLS AND FLOOR PENETRATIONS SHALL COMPLY WITH ASTM E919. ALL PENETRATIONS THROUGH EXISTING WALLS SHALL MEET THE EXISTING WALL RATING. REFER TO PROJECT MANUAL SECTION 07600 FOR ADDITIONAL INFORMATION.
- PROVIDE MOLD RESISTANT DRYWALL AT ALL LOCATIONS SPECIFIED IN THE PROJECT MANUAL.

SPECIFIC EQUIPMENT PLAN NOTES

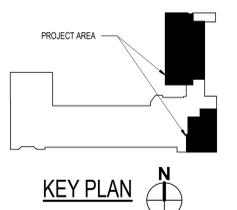
- WALL MOUNTED GLASS BOARD WITH BLOCKING AS REQUIRED. COORDINATE EXACT LOCATION OF GLASS BOARDS IN FIELD WITH OWNER.
- CFCI IF FUME HOOD AND METAL LAB CASEWORK. PROVIDE CONNECTIONS FOR COMPRESSED AIR AND VACUUM, CUP SINKS AND SPLIT SASH.
- CLASSROOM MONITOR - COORDINATE WITH IU CLASSROOM TECHNOLOGY.
- CFCI IF BIOSAFETY CABINET. PROVIDE PIPED TURRETS FOR NITROGEN, CO2, AND VACUUM.
- CFCI WIRE SHELVING WITH 74" POSTS ON 5" CASTERS, AND SOLID STAINLESS STEEL BOTTOM SHELF - SIMILAR TO INTERMETRO INDUSTRIES CORPORATION, SUPER ADJUSTABLE SUPER ERCTA. PROVIDE LOCKING CASTERS PER SHELVING UNIT.

WALL RATINGS LEGEND

NEW	EXISTING
1 HOUR FIRE BARRIER	1 HOUR FIRE BARRIER
1 HOUR FIRE RATED SMOKE BARRIER	1 HOUR FIRE RATED SMOKE BARRIER
2 HOUR FIRE BARRIER	2 HOUR FIRE BARRIER
2 HOUR FIRE/SMOKE BARRIER	2 HOUR FIRE/SMOKE BARRIER
3 HOUR FIRE WALL	3 HOUR FIRE WALL
SMOKE RESISTANT HAZARDOUS ROOM PARTITION	SMOKE RESISTANT HAZARDOUS ROOM PARTITION
NON-RATED SMOKE PARTITION	NON-RATED SMOKE PARTITION

ALL RATED WALLS AND SMOKE PARTITIONS SHALL EXTEND FROM THE FLOOR TO THE BOTTOM OF THE STRUCTURAL FLOOR OR ROOF SLAB ABOVE. SEAL FIRESTOP AT TOP AND BOTTOM OF WALL AND AROUND ALL PENETRATIONS. PACK SAFING INSULATION IN THE VOID SPACE BETWEEN METAL DECK FLUTES AND THE TOP OF THE RUNNER CHANNEL. CONTRACTOR SHALL FURNISH AND INSTALL ALL FIREPROOFING MATERIAL NECESSARY TO RESTORE THE INTEGRITY OF FIRE RATED CONSTRUCTION. CONTRACTOR SHALL PROVIDE FIRESTOPPING WITH UL LISTING AS REQUIRED BY THE MANUFACTURER'S RECOMMENDATION TO COMPLETE THE INTENDED ASSEMBLY OF THE WALL TYPE.

REFER TO SHEETS A001 AND A002 FOR WALL/PARTITION PRIORITY DETAIL AND INFORMATION. THIS DETAIL APPLIES TO ALL INTERSECTIONS OF RATED WALLS AND NON-RATED WALLS.



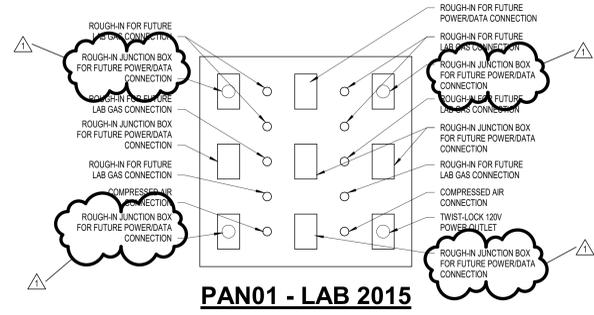
KEY PLAN

20250361 - BL 417 GEOLOGY PHASE 2- FACULTY 100
 INDIANA UNIVERSITY BLOOMINGTON: BL417 GEOLOGICAL SCIENCES
 BL417: 1001 E. 10TH STREET
 BLOOMINGTON, IN 47405

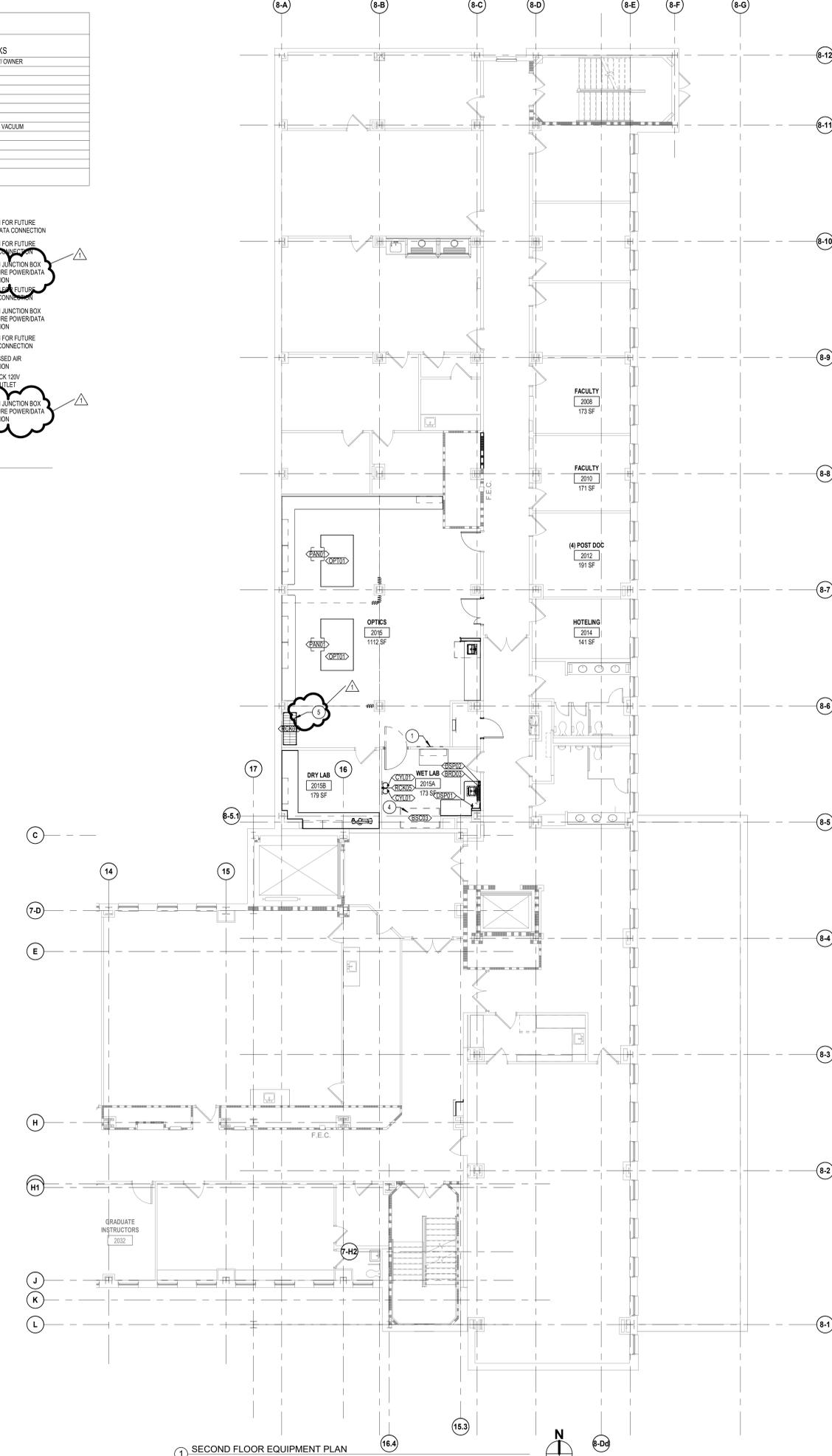
ARTEKNA
 ArtTekna Design - A Professional Corporation
 321 East New York Street, Indianapolis, Indiana 46204
 Office: 317.555.5350 | Fax: 317.555.5359 | www.artekna.com

FIRST FLOOR EQUIPMENT PLAN
EQ211

ROOM NUMBER	EQUIP ID	ROOM NAME	EQUIP DESCRIPTION	RESPONSIBILITY	REMARKS
2015	BRD04	OPTICS	4 GLASSBOARD	CFCI	COORDINATE EXACT LOCATION IN FIELD W/ OWNER
2015	OPT01	OPTICS	OPTICAL TABLE	OPVI	COMPRESSED AIR REQUIRED
2015	OPT01	OPTICS	OPTICAL TABLE	OPVI	COMPRESSED AIR REQUIRED
2015	PAN01	OPTICS	CEILING SERVICE PANEL	CFCI	
2015	PAN01	OPTICS	CEILING SERVICE PANEL	CFCI	
2015	RCK01	OPTICS	WIRE SHELVING 24"x36"	CFCI	PROVIDE SOLID BOTTOM SHELF
2015A	BRD03	WET LAB	WET LAB	CFCI	
2015A	BSC03	WET LAB	WET LAB	CFCI	PIPED TURRETS FOR NITROGEN, CO2, AND VACUUM
2015A	CYL01	WET LAB	WET LAB	CFCI	CO2
2015A	CYL01	WET LAB	WET LAB	CFCI	NITROGEN
2015A	DSP01	WET LAB	PAPER TOWEL DISPENSER	CFCI	
2015A	DSP02	WET LAB	SOAP DISPENSER	CFCI	
2015A	RCK05	WET LAB	WALL CASEWORK MOUNTED CYLINDER BRACKET	CFCI	CO2 AND COMPRESSED AIR



2 CEILING SERVICE PANEL DETAILS
1 1/2" = 1'-0"



1 SECOND FLOOR EQUIPMENT PLAN
1/8" = 1'-0"

GENERAL PLAN NOTES

- ALL DIMENSIONS ARE TO FACE OF FINISHED WALL, OR CENTERLINE OF COLUMNS, UNLESS OTHERWISE NOTED.
- REFER TO SHEETS A001 AND A002 FOR WALL TYPE DESIGNATIONS AND WALL RATINGS LEGENDS. ALL INTERIOR WALLS ARE TYPE "A2" UNLESS OTHERWISE NOTED OR INDICATED TO BE A SMOKE, AND/OR FIRE ENCLOSURE. COORDINATE WITH WALL RATINGS LEGEND AND WALL TYPE INFORMATION.
- REFER TO SHEET A003 FOR ACCESSIBILITY, MANEUVERING CLEARANCES, TYPICAL DIMENSIONS, ACCESSORY SCHEDULE ETC.
- ALL DOORS MUST MEET REQUIREMENTS OF INDIANA ACCESSIBILITY CODE. REFER TO SHEET A001 FOR DOOR CLEARANCE REQUIREMENTS.
- PROVIDE ENCLOSURES FOR UNDERSIDE OF CASEWORK WALL CABINETS AND FIXED SHELVES WHERE THESE CASEWORK ELEMENTS MEET IN A CORNER. ALL OUTSIDE CORNERS OF COUNTERTOPS, TRANSACTION TOPS, ETC. SHALL HAVE A 2" RADIUS, UNLESS NOTED OTHERWISE.
- COUNTERTOPS SHALL BE 2" DEEP UNLESS INDICATED OTHERWISE OR REQUIRED TO BE DEEPER BY EQUIPMENT SHOWN ON THE DRAWINGS. REFER TO SCHEDULE FOR COUNTERTOP MATERIAL.
- ALL EXTERIOR WINDOWS TO RECEIVE ROLLER SHADE WHERE INDICATED BY PLAN NOTE. PROVIDE BLACKOUT SHADE AS INDICATED BY PLAN NOTE.
- ALL CORRIDOR WALLS SHALL RESIST THE PASSAGE OF SMOKE FROM FINISH FLOOR UP TO AND INCLUDING DECK ABOVE. SEAL ALL PENETRATIONS, OPENINGS, GAPS, ETC.
- INSTALL CONTROL JOINTS IN DRYWALL PER PROJECT MANUAL.
- INSTALL "SLIP-TRACK" STUD CONNECTION AT ALL METAL STUDS THAT EXTEND TO DECK ABOVE.
- COORDINATE WITH OWNER AND FACILITY STAFF, PROJECT PHASING TO MINIMIZE DISRUPTION OF EXISTING FACILITY SERVICES. PHASING TO INCLUDE ASSURANCE FOR CLEAN TO DIRTY AIR FLOW, EMERGENCY PROCEDURES, CRITERIA FOR INTERRUPTIONS, AND COMMUNICATION AUTHORITY. CONTRACTOR, OWNER, AND FACILITY STAFF TO PLAN FOR PROCEDURES ON THE EFFECTS OF NOISE AND VIBRATION ON HUMAN HEALTH AND SAFETY. THE RENOVATED AREAS SHALL BE ISOLATED FROM THE OCCUPIED AREAS DURING ALL PHASES OF CONSTRUCTION USING AIR TIGHT BARRIERS, AND EXHAUST AIR FLOW SHALL BE SUFFICIENT TO MAINTAIN NEGATIVE AIR PRESSURE IN THE CONSTRUCTION ZONE.
- VERIFY ALL CRITICAL DIMENSIONS WITHIN AND/OR RELATED TO THE EXISTING BUILDING DIMENSIONS, AND CONDITIONS INDICATED WHERE DETERMINED BY VISUAL SURVEY AND/OR BY INFORMATION FROM EXISTING DRAWINGS. ANY DISCREPANCIES SHALL BE COORDINATED WITH ARCHITECT.
- PROVIDE FIRE EXTINGUISHER CABINETS IN LOCATIONS INDICATED ON PLAN. ALL FIRE EXTINGUISHER CABINETS SHALL BE CENTERED WITHIN THE WALL IN WHICH THEY ARE LOCATED, UNLESS OTHERWISE INDICATED ON THE PLAN.
- REFER TO PROJECT MANUAL AND SHEET #611 FOR INFORMATION REGARDING METAL STUD FRAMING AT ALL DOOR LOCATIONS.
- PROVIDE FILLER PANELS IN CORNERS WHERE CASEWORK DOORS/DRAWERS MEET AS REQUIRED TO PROVIDE ADEQUATE ROOM FOR OPERATION.
- ALL REFERENCES TO "TREATED" WOOD SHALL MEAN FIRE-RETARDANT TREATED.
- THE CONTRACTOR IS RESPONSIBLE FOR REVIEW OF ALL EQUIPMENT INFORMATION (OWNER FURNISHED, VENDOR FURNISHED AND CONTRACTOR FURNISHED) PERTAINING TO THESE CONTRACT DOCUMENTS. ADDITIONAL EQUIPMENT INFORMATION IS LOCATED IN THE PROJECT MANUAL, VENDOR INFORMATION, AND ONLINE VENDOR INSTALLATION MANUALS, ETC. THE PHRASE "BY OWNER OR CONTRACTOR" IN EQUIPMENT INFORMATION SHALL BE INTERPRETED TO MEAN "BY CONTRACTOR".
- ALL FIRE RATED WALLS AND FLOOR PENETRATIONS SHALL COMPLY WITH ASTM E814. ALL PENETRATIONS THROUGH EXISTING WALLS SHALL MEET THE EXISTING WALL RATING. REFER TO PROJECT MANUAL SECTION 078400 FOR ADDITIONAL INFORMATION.
- PROVIDE MOLD RESISTANT DRYWALL AT ALL LOCATIONS SPECIFIED IN THE PROJECT MANUAL.

SPECIFIC EQUIPMENT PLAN NOTES

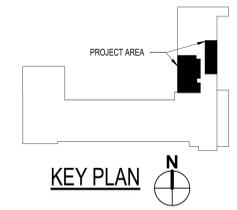
- WALL MOUNTED GLASS BOARD WITH BLOCKING AS REQUIRED. COORDINATE EXACT LOCATION OF GLASS BOARDS IN FIELD WITH OWNER.
- CFCI 8" FLUME HOOD AND METAL LAB CASEWORK. PROVIDE CONNECTIONS FOR COMPRESSED AIR AND VACUUM. CLIP SINKS AND SPLIT SASH.
- CLASSROOM MONITOR - COORDINATE WITH U CLASSROOM TECHNOLOGY.
- WET LAB BIOSAFE CABINET PROVIDE PIPED TURRETS FOR NITROGEN, CO2, AND VACUUM.
- CFCI WIRE SHELVING WITH 74" POSTS ON 5" CASTERS, AND SOLID STAINLESS STEEL BOTTOM SHELF - SIMILAR TO INTERMETRO INDUSTRIES CORPORATION, SUPER ADJUSTABLE SUPER ERCTA. PROVIDE 2 LOCKING CASTERS PER SHELVING UNIT.

WALL RATINGS LEGEND

NEW		EXISTING	
1 HOUR FIRE BARRIER	[Pattern]	1 HOUR FIRE BARRIER	[Pattern]
1 HOUR FIRE RATED SMOKE BARRIER	[Pattern]	1 HOUR FIRE RATED SMOKE BARRIER	[Pattern]
2 HOUR FIRE BARRIER	[Pattern]	2 HOUR FIRE BARRIER	[Pattern]
2 HOUR FIRE/SMOKE BARRIER	[Pattern]	2 HOUR FIRE/SMOKE BARRIER	[Pattern]
3 HOUR FIRE WALL	[Pattern]	3 HOUR FIRE WALL	[Pattern]
SMOKE RESISTANT HAZARDOUS ROOM PARTITION	[Pattern]	SMOKE RESISTANT HAZARDOUS ROOM PARTITION	[Pattern]
NON-RATED SMOKE PARTITION	[Pattern]	NON-RATED SMOKE PARTITION	[Pattern]

ALL RATED WALLS AND SMOKE PARTITIONS SHALL EXTEND FROM THE FLOOR TO THE BOTTOM OF THE STRUCTURAL FLOOR OR ROOF SLAB ABOVE. SEAL/FIRESTOP AT TOP AND BOTTOM OF WALL AND AROUND ALL PENETRATIONS. PACK SAFING INSULATION IN THE VOID SPACE BETWEEN METAL DECK FLUTES AND THE TOP OF THE RUNNER CHANNEL. CONTRACTOR SHALL FURNISH AND INSTALL ALL FIREPROOFING MATERIALS NECESSARY TO RETAIN THE INTEGRITY OF FIRE RATED CONSTRUCTION. CONTRACTOR SHALL PROVIDE FIRESTOPPING WITH UL LISTING AS REQUIRED BY THE MANUFACTURER'S RECOMMENDATION TO COMPLETE THE INTENDED ASSEMBLY OF THE WALL TYPE.

REFER TO SHEETS A001 AND A002 FOR WALL/PARTITION PRIORITY DETAIL AND INFORMATION. THIS DETAIL APPLIES TO ALL INTERSECTIONS OF RATED WALLS AND NON-RATED WALLS.



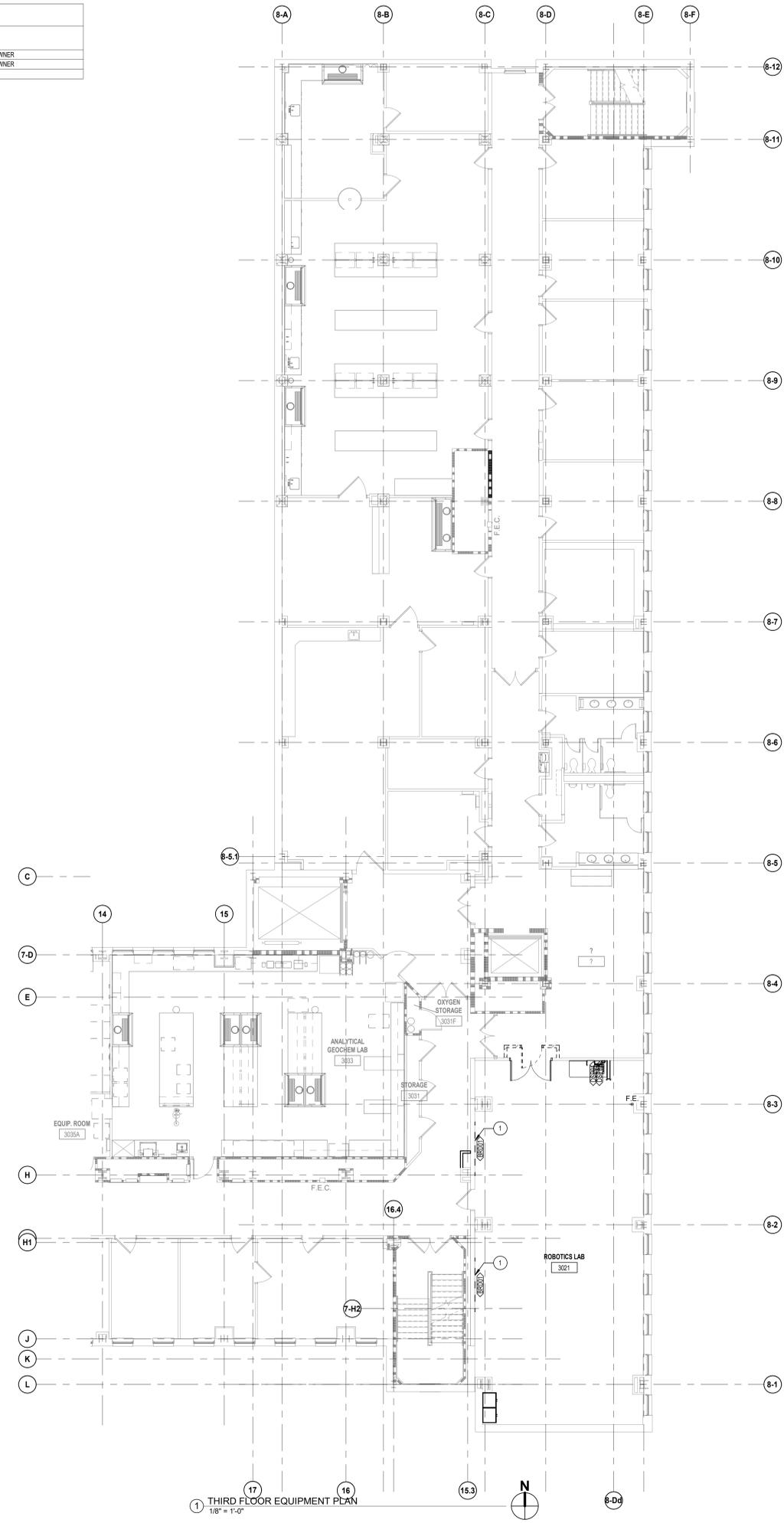
20250361 - BL 417 GEOLOGY PHASE 2- FACULTY 100
 INDIANA UNIVERSITY BLOOMINGTON: BL417 GEOLOGICAL SCIENCES
 BL417: 1001 E. 10TH STREET
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CONSTRUCTION DOCUMENTS

SECOND FLOOR EQUIPMENT PLAN
EQ221

THIRD FLOOR EQUIPMENT SCHEDULE					
ROOM NUMBER	EQUIP ID	ROOM NAME	EQUIP DESCRIPTION	RESPONSIBILITY	REMARKS
321	BRD01	ROBOTICS LAB	8'6" GLASSBOARD	CFCI	COORDINATE EXACT LOCATION IN FIELD W/ OWNER
321	BRD01	ROBOTICS LAB	8'6" GLASSBOARD	CFCI	COORDINATE EXACT LOCATION IN FIELD W/ OWNER
321	DSP01	ROBOTICS LAB	PAPERWORK HOLDER	CFCI	



GENERAL PLAN NOTES

- ALL DIMENSIONS ARE TO FACE OF FINISHED WALL, OR CENTERLINE OF COLUMNS, UNLESS OTHERWISE NOTED.
- REFER TO SHEETS A001 AND A002 FOR WALL TYPE DESIGNATIONS AND WALL RATINGS LEGENDS. ALL INTERIOR WALLS ARE TYPE "A2" UNLESS OTHERWISE NOTED OR INDICATED TO BE SMOKE, AND/OR FIRE ENCLOSURE. COORDINATE WITH WALL RATINGS LEGEND AND WALL TYPE INFORMATION.
- REFER TO SHEET A003 FOR ACCESSIBILITY, MANEUVERING CLEARANCES, TYPICAL DIMENSIONS, ACCESSORY SCHEDULE ETC.
- ALL DOORS MUST MEET REQUIREMENTS OF INDIANA ACCESSIBILITY CODE. REFER TO SHEET A601 FOR DOOR CLEARANCE REQUIREMENTS.
- PROVIDE ENCLOSURES FOR UNDERSIDE OF CASEWORK WALL CABINETS AND FIXED SHELVES WHERE THESE CASEWORK ELEMENTS MEET IN A CORNER. ALL OUTSIDE CORNERS OF COUNTERTOPS, TRANSACTION TOPS, ETC. SHALL HAVE A 1/2" RADIUS, UNLESS NOTED OTHERWISE.
- COUNTERTOPS SHALL BE 24" DEEP UNLESS INDICATED OTHERWISE OR REQUIRED TO BE DEEPER BY EQUIPMENT SHOWN ON THE DRAWINGS. REFER TO SOLID SURFACE COUNTERTOP DETAIL A601-7.
- ALL EXTERIOR WINDOWS TO RECEIVE ROLLER SHADE WHERE INDICATED BY PLAN NOTE. PROVIDE BLACKOUT SHADE AS INDICATED BY PLAN NOTE.
- ALL CORRIDOR WALLS SHALL RESIST THE PASSAGE OF SMOKE FROM FINISH FLOOR UP TO AND INCLUDING DECK ABOVE. SEAL ALL PENETRATIONS, OPENINGS, GAPS, ETC.
- INSTALL CONTROL JOINTS IN DRYWALL PER PROJECT MANUAL.
- INSTALL SLIP-TRACK STUD CONNECTION AT ALL METAL STUDS THAT EXTEND TO DECK ABOVE.
- COORDINATE WITH OWNER AND FACILITY STAFF, PROJECT PHASING TO MINIMIZE DISRUPTION OF EXISTING FACILITY SERVICES. PHASING TO INCLUDE ASSURANCE FOR CLEAN TO DIRTY AIR FLOW, EMERGENCY PROCEDURES, CRITERIA FOR INTERRUPTIONS, AND COMMUNICATION AUTHORITY. CONTRACTOR, OWNER AND FACILITY STAFF TO PLAN FOR PROCEDURES ON THE EFFECTS OF NOISE AND VIBRATION ON HUMAN HEALTH AND SAFETY. THE RENOVATED AREAS SHALL BE ISOLATED FROM THE OCCUPIED AREAS DURING ALL PHASES OF CONSTRUCTION USING AIR TIGHT BARRIERS, AND EXHAUST AIR FLOW SHALL BE SUFFICIENT TO MAINTAIN NEGATIVE AIR PRESSURE IN THE CONSTRUCTION ZONE.
- VERIFY ALL CRITICAL DIMENSIONS WITHIN AND/OR RELATED TO THE EXISTING BUILDING, DIMENSIONS, AND CONDITIONS INDICATED WHERE DETERMINED BY VISUAL SURVEY AND/OR BY INFORMATION FROM EXISTING DRAWINGS. ANY DISCREPANCIES SHALL BE COORDINATED WITH ARCHITECT.
- PROVIDE FIRE EXTINGUISHER CABINETS IN LOCATIONS INDICATED ON PLAN. ALL FIRE EXTINGUISHER CABINETS SHALL BE CENTERED WITHIN THE WALL IN WHICH THEY ARE LOCATED, UNLESS OTHERWISE INDICATED ON THE PLAN.
- REFER TO PROJECT MANUAL AND SHEET A611 FOR INFORMATION REGARDING METAL STUD FRAMING AT ALL DOOR LOCATIONS.
- PROVIDE FILLER PANELS IN CORNERS WHERE CASEWORK DOORS/DRAWERS MEET AS REQUIRED TO PROVIDE ADEQUATE ROOM FOR OPERATION.
- ALL REFERENCES TO "TREATED" WOOD SHALL MEAN FIRE-RETARDANT TREATED.
- THE CONTRACTOR IS RESPONSIBLE FOR REVIEW OF ALL EQUIPMENT INFORMATION (OWNER FURNISHED, VENDOR FURNISHED AND CONTRACTOR FURNISHED) PERTAINING TO THESE CONTRACT DOCUMENTS. ADDITIONAL EQUIPMENT INFORMATION IS LOCATED IN THE PROJECT MANUAL, VENDOR INFORMATION, AND ONLINE VENDOR INSTALLATION MANUALS, ETC. THE PHRASE "BY OWNER OR CONTRACTOR" IN EQUIPMENT INFORMATION SHALL BE INTERPRETED TO MEAN "BY CONTRACTOR".
- ALL FIRE RATED WALLS AND FLOOR PENETRATIONS SHALL COMPLY WITH ASTM E834. ALL PENETRATIONS THROUGH EXISTING WALLS SHALL MEET THE EXISTING WALL RATING. REFER TO PROJECT MANUAL SECTION 078400 FOR ADDITIONAL INFORMATION.
- PROVIDE MOLD RESISTANT DRYWALL AT ALL LOCATIONS SPECIFIED IN THE PROJECT MANUAL.

SPECIFIC EQUIPMENT PLAN NOTES

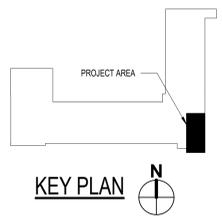
- WALL MOUNTED GLASS BOARD WITH BLOCKING AS REQUIRED. COORDINATE EXACT LOCATION OF GLASS BOARDS IN FIELD WITH OWNER.
- CFCI 8' FUME HOOD AND METAL LAB CASEWORK. PROVIDE CONNECTIONS FOR COMPRESSED AIR AND VACUUM, CLIP SINKS AND SPLIT SASH.
- CLASSROOM MONITOR. COORDINATE WITH IJ CLASSROOM TECHNOLOGY.
- CFCI 8' BIOSAFETY CABINET. PROVIDE PIPED TURRETS FOR NITROGEN, CO2, AND VACUUM.
- CFCI WIRE SHELVING WITH 14" POSTS ON 3" CASTERS, AND SOLID STAINLESS STEEL BOTTOM SHELF - SIMILAR TO INTERMETRO INDUSTRIES CORPORATION, SUPER ADJUSTABLE SUPER RECTA. PROVIDE 2 LOCKING CASTERS PER SHELVING UNIT.

WALL RATINGS LEGEND

NEW		EXISTING	
1 HOUR FIRE BARRIER	[Pattern]	1 HOUR FIRE BARRIER	[Pattern]
1 HOUR FIRE RATED SMOKE BARRIER	[Pattern]	1 HOUR FIRE RATED SMOKE BARRIER	[Pattern]
2 HOUR FIRE BARRIER	[Pattern]	2 HOUR FIRE BARRIER	[Pattern]
2 HOUR FIRE/SMOKE BARRIER	[Pattern]	2 HOUR FIRE/SMOKE BARRIER	[Pattern]
3 HOUR FIRE WALL	[Pattern]	3 HOUR FIRE WALL	[Pattern]
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ALL RATED WALLS AND SMOKE PARTITIONS SHALL EXTEND FROM THE FLOOR TO THE BOTTOM OF THE STRUCTURAL FLOOR OR ROOF SLAB ABOVE. SEAL FIRESTOP AT TOP AND BOTTOM OF WALL AND AROUND ALL PENETRATIONS. PACK SAFING INSULATION IN THE VOID SPACE BETWEEN METAL DECK FLUTES AND THE TOP OF THE RUNNER CHANNEL. CONTRACTOR SHALL FURNISH AND INSTALL ALL FIREPROOFING MATERIALS NECESSARY TO RETAIN THE INTEGRITY OF FIRE RATED CONSTRUCTION. CONTRACTOR SHALL PROVIDE FIRESTOPPING WITH UL LISTING AS REQUIRED BY THE MANUFACTURER'S RECOMMENDATION TO COMPLETE THE INTENDED ASSEMBLY OF THE WALL TYPE.

REFER TO SHEETS A001 AND A002 FOR WALL/PARTITION PRIORITY DETAIL AND INFORMATION. THIS DETAIL APPLIES TO ALL INTERSECTIONS OF RATED WALLS AND NON-RATED WALLS.



DATE: 3/14/2024
 DRAWN BY: [Name]
 CHECKED BY: [Name]
 PROJECT NO.: 20250361-1
 SHEET NO.: EQ231
 PROJECT: BL 417 GEOLOGY PHASE 2 - FACILITY 100
 LOCATION: INDIANA UNIVERSITY BLOOMINGTON

REVISIONS
 1 ADD NO. 1 3/22/2024

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THIRD FLOOR EQUIPMENT PLAN
EQ231