

ADDENDUM NO. 1

October 7, 2026

This Addendum contains changes to the requirements of the Contract Documents and Specifications. Such changes are to be incorporated into the Construction Documents and shall apply to the work with the same meaning and force as if they had been included in the original document. Wherever this Addendum modifies a portion of a paragraph of the specifications or a portion of any Drawing, the remainder of the Paragraph or Drawing shall remain in force.

NOTE: Provisions of all Contract Documents apply.

Item 1. Section 03 3543 - Polished Concrete Finishing

DELETE section in its entirety.

REPLACE with revised section 03 3543, attached.

Item 2. Section 05 7000 – Decorative Metal

ADD the following subparagraphs:

1.05.E. Design computations signed and stamped by a Professional Engineer for railing and screen wall systems. Computations shall include all system components including but not limited to mesh/perforated panels, framing, mounting hardware, and anchorage. Computations shall include system support reactions for review by Structural Engineer of Record.

1.06.C. Structural Designer Qualifications: Professional Engineer experienced in design of this work and licensed in New York State.

2.01.B.3. Perforation Pattern: Custom Picto perforation to be coordinated with owner, architect, and manufacturer during submittal process.

2.01.C.3. Perforation Pattern: Custom Picto perforation to be coordinated with owner, architect, and manufacturer during submittal process.

2.07. PERFORMANCE REQUIREMENTS

A. Delegated Design: Engage a Professional Engineer, as defined in Section 041000 "Quality Requirements," to design railing and screen wall systems.

B. Structural Performance: Design railing and screen wall systems for the following loads with appropriate load combination factors:

1. Wind Loads: as indicated on the Structural Drawings. Appropriate components and cladding loads are to be used in design computations.

2. Handrails: As delineated in the 2025 Building Code of New York State.

Item 3. Section 06 1000 - ROUGH CARPENTRY, Part 2, 2.03.A.1:

DELETE 1. "Construction Panel: 7/16 inch (11mm) oriented strand board (OSB)."

REPLACE with "1. **Construction panel: 3/4 inch (19mm) plywood.**"

Item 4. Section 06 1000, Part 2, 2.03.A.2:

ADD to item A. 2. "**Insulation thickness as required to achieve combined panel and insulation R-value of or exceeding R-16.**"

Item 5. **ADD** Section 07 4623 Wood Siding, attached.

Item 6. Section 08 7100 – Door Hardware, Part 3, 3.5, Hardware Set E03 – *Non-electrical Items*

DELETE the following item from Hardware Set E03:

"(1) Operator Bollard

630 WIK

Note: Provide 6" x 6" square satin stainless steel in-ground mount bollard post factory with welded sloped top sloped away from the actuator, factory prepped for a single-gang actuator at 36" AFF and a single gang access control prep above it at 44" AFF with a weather shroud above the access control prep. Locate bollard exterior as directed by Architect."

Item 7. Section 23 82 19 – Fan Coil Units

ADD the following paragraph :

2.4 DUCTLESS WALL MOUNTED FAN COIL UNITS

A. Cabinets:

1. Removable front enclosure so that internal operating parts are accessible for service or replacement.
2. Access to motor, fan assembly, and filters.
3. Type as required for job conditions.
4. Insulated cabinet with material in compliance with NYS Mechanical code requirements.

B. Cooling Coils:

1. Copper tubes, headers and connections, nonferrous fins. FPI shall not exceed 12.

C. Motors:

1. Three speed, direct drive and PSC Type.
2. Totally enclosed.
3. Internal overload protected.

D. Drain Pan

1. The drain pan is to be externally insulated, noncorrosive and double-sloped to allow condensate drainage. For units without external insulation as an option shall be field insulated. Coils mount above the drain pan, not in the drain pan - thus allowing the drain pan to be fully inspected and cleaned. The drain pan can also be removed for cleaning. The 3/4" main drain connection is at the lowest point of the drain pan. An auxiliary drain connection is provided on the same side as the main connection.

E. Options:

1. Washable filters.
2. All additional accessories as noted in performance schedule.

F. Design Equipment: MultiAqua

G. Make: Johnson Controls, Envirotec, Trane.

Item 8. Drawing C400

DELETE in its entirety.

REPLACE with revised Drawing C400R, attached.

Item 9. Drawing AD101

DELETE in its entirety.

REPLACE with revised Drawing AD101R, attached.

Item 10. Drawing AD102

DELETE in its entirety.

REPLACE with revised Drawing AD102R, attached.

Item 11. Drawing A101

DELETE in its entirety.

REPLACE with revised Drawing A101R, attached.

Item 12. Drawing A102

DELETE in its entirety.

REPLACE with revised Drawing A102R, attached.

Item 13. Drawing A501

DELETE in its entirety.

REPLACE with revised Drawing A501R, attached.

Item 14. Drawing FP102

DELETE in its entirety.

REPLACE with revised Drawing FP102R, attached.

Item 15. Drawing M101

DELETE in its entirety.

REPLACE with revised Drawing M101R, attached.

Item 16. Drawing M103

DELETE in its entirety.

REPLACE with revised Drawing M103R, attached.

Item 17. Drawing M308

DELETE in its entirety.

REPLACE with revised Drawing M308R, attached.

Item 18. Drawing M600

DELETE in its entirety.

REPLACE with revised Drawing M600R, attached.

Item 19. Drawing M700

DELETE in its entirety.

REPLACE with revised Drawing M700R, attached.

Item 20. Drawing M701

DELETE in its entirety.

REPLACE with revised Drawing M701R, attached.

Item 21. Drawing E220

DELETE in its entirety.

REPLACE with revised Drawing E220R, attached.

Item 22. Drawing E221

DELETE in its entirety.

REPLACE with revised Drawing E221R, attached.

Item 23. Drawing E300

DELETE in its entirety.

REPLACE with revised Drawing E300R, attached.

Item 24. Drawing E601

DELETE in its entirety.

REPLACE with revised Drawing E601R, attached.

Item 25. Drawing TE200

DELETE in its entirety.

REPLACE with revised Drawing TE200R, attached.

Item 26. Drawing TE201

DELETE in its entirety.

REPLACE with revised Drawing TE201R, attached.

Item 27. Drawing YE200

DELETE in its entirety.

REPLACE with revised Drawing YE200R, attached.

Item 28. Drawing YE201

DELETE in its entirety.

REPLACE with revised Drawing YE201R, attached.

Item 29. The Pre-bid Sign-in Sheet is attached for Contractors' reference only.

Item 30. RFI Questions and Clarifications

See attached RFI Log (Items 1 - 12)

Attachments: Section 03 3543
Section 07 4623
Drawing C400R
Drawing AD101R
Drawing AD102R
Drawing A101R
Drawing A102R
Drawing A501R
Drawing FP102R
Drawing M101R
Drawing M103R
Drawing M308R
Drawing M600R
Drawing M700R
Drawing M701R
Drawing E220R
Drawing E221R
Drawing E300R
Drawing E601R
Drawing TE200R
Drawing TE201R
Drawing YE200R
Drawing YE201R
Pre-bid Sign-in Sheet
RFI Log (Items 1-12)

******END OF ADDENDUM******

SECTION 03 3543 - POLISHED CONCRETE FINISHING**PART 1 GENERAL****1.01 SECTION INCLUDES**

- A. Materials and procedures for polishing and finishing concrete floors and slabs.

1.02 RELATED REQUIREMENTS

- A. Section 01 8113 - Sustainable Design Requirements
- B. Section 01 8116 - Low-Emitting Materials Restrictions
- C. Section 01 8119 - Construction Indoor Air Quality Management
- D. Section 03 3000 - Cast-in-Place Concrete: Finishing of concrete surface to tolerance; floating, troweling, and similar operations; curing.
- E. Section 03 3000 - Cast-in-Place Concrete: Curing compounds that also function as sealers.
- F. Section 07 9200 - Joint Sealants

1.03 REFERENCE STANDARDS

- A. American Concrete Institute (ACI) – Specification for Polished Concrete Slab Finishes ACI 310.1-20.
- B. American National Standard Institute / National Floor Safety Institute
 - 1. ANSI/NSFI B101.1 Test Method for Measuring Wet SCOF of Common Hard-Surface Floor Materials.
 - 2. ANSI B101.3-Test Method for Measuring Wet DCOF of Common Hard-Surface Floor Materials.
- C. American Society of Concrete Contractors (ASCC).
- D. ASTM International (ASTM):
 - 1. C1028 - Standard Test Method for Determining the Static Coefficient of Friction of Ceramic Tile and Other Like Surfaces by the Horizontal Dynamometer Pull-Meter Method.
 - 2. C1353 – Standard Test Method for Abrasion Resistance of Dimension Stone Subjected to Foot Traffic Using a Rotary Platform, Double-Head Abraser
 - 3. D523- Standard Test Method for Specular Gloss.
 - 4. D1308 - Standard Test Method for Effect of Household Chemicals on Clear and Pigmented Organic Finishes.
 - 5. D4541 - Standard Test Method for Pull-Off Strength of Coatings Using Portable Adhesion Testers.
 - 6. E96/96M Method B (Water Method) - Standard Test Methods for Water Vapor Transmission of Materials.
 - 7. G154 -Standard Practice for Operating Fluorescent Ultraviolet (UV) Lamp Apparatus for Exposure of Nonmetallic Materials.

1.04 ADMINISTRATIVE REQUIREMENTS

- A. Coordinate the work with concrete floor placement and concrete floor curing.

1.05 SUBMITTALS

- A. See Section 01 3300 - Submittal Procedures.
- B. See Section 01 8113 - Sustainable Design Requirements for LEED submittal procedures.
- C. Product Data: Manufacturer's published data on each finishing product, including information on compatibility of different products and limitations.
- D. Submit description for protection of surrounding areas, surface preparation, application, and final cleaning.
- E. Maintenance Data: Provide data on maintenance and renewal of applied finishes.
- F. Manufacturer's Warranty: Copy of warranty and compatibility letter to be issued by manufacturer.

1.06 QUALITY ASSURANCE

- A. Manufacturer Qualifications: Company specializing in manufacturing products specified in this section with a minimum ten years of documented experience.
- B. Installer Qualifications:
 - 1. Concrete Polishing Council (CPC) Craftsman Supervisor or equivalent on site during work.
 - 2. Applicator to be familiar with the specified requirements and the methods needed for proper performance of work of this section. Applicator must have availability of proper equipment to perform work within scope of this project on a timely basis. Applicator should have successfully performed a minimum of 5 projects of similar scope and complexity.
- C. Slab Aesthetics Testing: Record measurements of Distinction of Image (DOI), Gloss, and Haze at time of mock-up.
 - 1. Test Methods:
 - a. Test DOI in accordance with the requirements of ASTM D 5767 using the Rhopoint IQ GM14400 instrumentation.
 - b. Measure DOI in locations adjacent to the location of the DCOF measurement.

1.07 PREINSTALLATION MEETING

- A. Conduct preinstallation meeting at Project site prior to commencement of concrete finishing, grinding, polishing, or application of concrete treatments.
- B. Attendees: Require attendance by Contractor, Architect, concrete installer, concrete polishing contractor, concrete treatment manufacturer's representative, and representatives of other trades whose work may affect finished concrete surfaces.
- C. Review and coordinate the following:
 - 1. Existing slab conditions, including repairs, cracks, previous coatings or treatments, staining, and variations that may affect final appearance.
 - 2. New concrete mix design, placement, finishing, curing, protection, and timing of subsequent treatments.
 - 3. Grinding and polishing procedures for existing and new concrete, including aggregate exposure and required ACI 310.1 appearance level.
 - 4. Densifier, protective treatment, application rates, number of coats, burnishing, and compatibility of products.
 - 5. Requirements for field mockups and criteria for acceptance of appearance, sheen, aggregate exposure, color variation, and repairs.
 - 6. Sequencing with adjacent construction and protection of completed work from staining, damage, and construction traffic.
 - 7. Cleaning, maintenance, and final restoration procedures prior to Substantial Completion.
 - 8. Applicable LEED requirements.

1.08 MOCK-UP

- A. For polishing results and coatings, construct mock-up area under conditions similar to those that will exist during application, with coatings applied.
 - 1. Confirm surface preparation procedures, coverage rate, reaction time, finished appearance, etc. Use the manufacturers' application instructions. Let test area dry thoroughly before inspection. Obtain owner's approval before proceeding. Keep test area available for comparison throughout the project.
- B. Mock-Up Size: 10 feet square.
- C. Locate where directed.
- D. Mock-up may remain as part of the work.

1.09 DELIVERY, STORAGE, AND HANDLING

- A. Deliver materials in manufacturer's sealed packaging, including application instructions.
- B. Store concrete hardener/densifier and surface protectant treatment in environment recommended on published manufacturer's product data sheets.

1.10 FIELD CONDITIONS

- A. Comply with manufacturer's written instructions for substrate temperature and moisture content, ambient temperature and humidity, ventilation, and other conditions affecting performance and finishing requirements.
- B. Do not finish floors until interior heating system is operational.
- C. Maintain ambient temperature of 50 degrees F minimum.

1.11 WARRANTY

- A. Manufacturer's Warranty: Provide manufacturer's standard form covering work of this and associated Sections against defects in material and workmanship and conform to product specifications, provided installation, maintenance, and use falls within the manufacturer's written instructions.
 - 1. Warranty Period:
 - a. Concrete Polishing: 5 years from date of Substantial Completion or Inspection and Approval by the Manufacturer (whichever occurs later).

PART 2 PRODUCTS**2.01 PREPARATION MATERIALS**

- A. Liquid Concrete Repair Material: Low-odor, liquid fill material used to fill pinholes, small air voids and pop-outs, micro-cracks, and other gaps in concrete surface during grinding.
 - 1. Product: PROSOCO Consolideck Grind-N-Fill.
- B. Pre-Densifier Concrete Cleaner: Cleaner to remove dirt, oil, grease, and other stains from existing slab surface.
 - 1. Product: PROSOCO Consolideck Cleaner/Degreaser

2.02 DENSIFIERS AND HARDENERS

- A. Liquid Densifier/Hardener: Penetrating chemical compound that reacts with concrete, filling the pores and dustproofing; for application to concrete after set.
 - 1. Composition: Lithium silicate.
 - 2. Products for existing slab areas:
 - a. PROSOCO, Inc; Consolideck LS: www.prosoco.com/consolideck/#sle.
- B. Products for new/green concrete slab areas:
 - 1. PROSOCO, Inc; Consolideck LS/CS: www.prosoco.com/consolideck/#sle.
 - 2. PROSOCO, Inc; Consolideck BD1 (for use if concrete mix includes Tyle 1L portland-limestone cement)

2.03 PROTECTIVE TREATMENTS

- A. General Purpose high-gloss film forming premium sealer, lithium silicate hardener/densifier.
 - 1. Slip-resistance: Finished floor system shall achieve a wet dynamic coefficient of friction (DCOF) of not less than 0.42 when tested in accordance with ANSI B101.3, or as otherwise required by applicable code.
 - 2. Product: PROSOCO, Inc; LSGuard

2.04 EQUIPMENT

- A. Conform to ACI 310.1 Part 2.2, except where more stringent requirements are specified below.
- B. Auto Scrubber Machine: For cleaning operations.
- C. Hand Grinder or stand-up edger for edge grinding/polishing.
- D. Grinding/Polishing Equipment:
 - 1. Dry grinding/polishing machines shall include a dust extraction system, including HEPA filtration vacuum.
- E. Diamond Segments:
 - 1. Use heads from the same manufacturers throughout the entirety of the project.
- F. Diamond Heads Types:
 - 1. Metal Diamonds: 80 or 150.
 - 2. Hybrid Style Diamonds: 50 or 100.
 - 3. Resin Bonded, Phenolic Diamonds: 100, 200, 400, 800, 1500, and 3000 (if necessary).
- G. Burnishing Machine and Burnishing Pads to produce specified results.
- H. Burnishing Machine: High speed burnisher, generating pad speeds of 1,500 RPM or higher, as recommended by protective treatment manufacturer. Dust skirt must be installed at time of work.
- I. Burnishing Pads: as recommended by protective treatment manufacturer.
 - 1. White Burnishing Pad, non-abrasive.
 - 2. PROSOCO Consolideck Heat Pad
- J. Repair, patch and fill cracks, voids, defects and damaged areas in surface as approved by the Architect. Allow repair materials to cure completely before application of product.

2.05 ACCESSORIES

- A. Flexible Sealing Compound: A compatible flexible sealing compound designed for use in moving joints as recommended by the manufacturer.
 - 1. Basis of Design: Euclid Chemical Company: EUCO QWIKJOINT UVR.
 - a. Color: As selected by Architect from Manufacturer's full range.
- B. Joint Filler
 - 1. Basis of Design: VersaFlex Polyurea Caulk & Backer Rod.
 - a. 100 percent 2 part 1:1 ratio non-staining Polyurea
 - b. Color: As selected by Architect from Manufacturer's full range.
- C. Maintenance Cleaning Product: A concentrated maintenance cleaner for concrete floors.
 - 1. PROSOCO, Inc; Consolideck Klean.

PART 3 EXECUTION**3.01 EXAMINATION**

- A. Examine substrate with installer present for conditions affecting performance of finish. Correct conditions detrimental to timely and proper work

- B. Do not begin installation until all unsatisfactory conditions are resolved. Beginning work constitutes acceptance of site conditions and responsibility for defective installation caused by prior observable conditions
- C. Verify that flaws in concrete have been patched and joints filled with methods and materials suitable for further finishes.

3.02 GENERAL

- A. Apply materials in accordance with manufacturer's instructions.

3.03 PREPARATION

- A. Clean dirt, dust, oil, grease and other contaminants that interfere with penetration or performance of specified product from surfaces. Use appropriate concrete cleaners approved by the concrete surface treatment manufacturer where necessary. Rinse thoroughly using pressure water spray to remove cleaner residues. Allow surfaces to dry completely before application of product.
- B. Repair, patch and fill cracks, voids, defects and damaged areas in surface as approved by the Architect. Allow repair materials to cure completely before application of product.
- C. Variations in substrate texture and color will affect final appearance and should be corrected prior to application of sealer/hardener system and the polishing steps.
- D. Protect surrounding areas prior to application. If product is accidentally misapplied to adjacent surfaces, flush with water immediately before material dries.
- E. Avoid contact in areas not to be treated. Avoid contact with metal, glass and painted surfaces.
- F. Seal open joints in accordance with Section 07 92 00.
- G. Apply specified sealants and caulking and allow complete curing before application of penetrating concrete hardener/densifier.
- H. Do not proceed until unsatisfactory conditions have been corrected.

3.04 CONCRETE GRINDING, HONING, AND POLISHING

- A. Adhere to industry standard and conform to ACI 310.1 for grinding, honing, and polishing procedures for dry and wet grinding and honing, except where more stringent requirements are specified below.
- B. Scrub and rinse slab surface with clean water and vacuum with auto-scrubber between and after final passes.
- C. Sequential progression of diamond tooling steps shall be required and limited to no more than double the grit value of the previous diamonds used.
- D. Overlap adjacent passes by 25 percent.
- E. Perform each pass perpendicular to the other pass north/south then east/west; multiple passes may be needed.
- F. Progressively grind, hone and polish the slab surface utilizing approved diamond segments as necessary to produce Finishing requirements and appearance established by approved field mockup.
 - 1. Apply liquid concrete repair material to fill gaps, voids and pop-outs during grinding operation per manufacturer's published recommendations.
 - 2. Apply cutting aid chemical during the initial wet grinding process per manufacturer's published recommendations. (Typically before the 200 grit resin or lower).
- G. All grinding steps to be completed no less than 1/4 inch from walls.

3.05 APPLICATION OF PENETRATING CONCRETE HARDENER/DENSIFIER

- A. Apply hardener/densifier at the rate of 500 to 700 square feet per gallon with a low pressure sprayer fitted with a 0.5 gpm spray tip. (Typically after 200-grit and no later than 400 grit).
- B. Apply sufficient material to keep concrete surface wet for 5 to 10 minute period, without producing puddles.
- C. Allow treated surface to dry.
- D. Continue progressively polishing floor with required resin diamonds as necessary to produce desired final finish.

3.06 APPLICATION OF INTERIOR CONCRETE PROTECTIVE TREATMENT

- A. Apply per manufacturer's published recommendations to clean, dry slab at the completion of mechanically polishing the slab surface.
- B. Lightly wet a clean microfiber pad with protective treatment and wring out excess, leaving the pad damp.
- C. Working from one control joint to another, apply a light, fine spray of protective treatment to a small section of the floor using a clean, pump-up sprayer fitted with a 0.5 gpm spray tip, at an estimated coverage rate of 2000 to 3000 square feet per gallon.
- D. Using the damp microfiber pad and firm downward pressure, immediately spread the protective treatment to produce a thin, even coating. Spread the product as far as possible while maintaining a wet edge. Properly applied, protective treatment dries quickly. Stop spreading once drying begins. Avoid overlapping.

- E. Once dry, high- speed burnish slab surface fitted with manufacturer recommended burnishing pad to increase gloss and to help the treatment fuse and bond with the concrete for increased durability and longevity. Surface temperatures immediately behind the burnisher must achieve 90.5 degrees Fahrenheit. (Burnish between coats if multiple applications are desired.)
- F. Repeat above steps 1 through 6, as necessary for additional applications of protective treatment, to achieve desired final finish (Maximum 3 coats).

3.07 SLAB PROTECTION

- A. Comply with provisions of ACI 310.1 specification for slab protection, except where more stringent requirements are specified below.
- B. Protect finished floors to prevent damage including staining, gouges and scratching by construction traffic and activities until possession.
 - 1. Thoroughly clean and remove debris prior to installation of floor protection. Protect floor with kraft paper and masonite or other suitable protection method as approved by Owner or Architect.
- C. Do not drag or drop equipment or material across the slab which will scratch or chip it.
- D. Inspect tires for debris prior to use on slab. Remove embedded items which may cause damage to floor slab.
- E. Clean up spills on slab immediately. Provide cleaning chemicals and absorptive materials.
- F. Develop a concrete protection procedure which addresses the following procedures:
 - 1. Communication of protection plan to subcontractors and vendors.
 - 2. Procedures for cleaning up slab spills, including use of and availability of cleaning chemicals and absorptive materials at Site.
- G. Provide a clean slab surface using concrete maintenance cleaner within an auto scrubber, equipped with soft nylon brushes, in accordance with manufacturer's published recommendations.

3.08 FINISHING REQUIREMENTS

- A. Interior exposed finished slab areas must consist of the following:
 - 1. Slab surface must meet the desired sheen, as discussed in Pre-Installation meeting and be consistent with approved Mock-up.
 - 2. Slab surface must have a consistent look and exhibit a finish that has no evidence of streaking or burnish marks.
 - 3. White residue or hazy appearance is not acceptable.
 - 4. Exposure of aggregate ACI 310.1 Table 3.2.3.1, Aggregate Exposure Class A-Cream or B-Fine Aggregate.
 - 5. Interior exposed finished slab areas must consist of the following CPAA Gloss Level:
- B. Interior exposed finished slab areas must meet the ACI 310.1 Table 3.2.4.1- Appearance levels for distinctness of image (DOI) Level 3.

END OF SECTION

SECTION 07 4623 - WOOD SIDING**PART 1 GENERAL****1.01 SECTION INCLUDES**

- A. Wood siding for soffits.

1.02 RELATED REQUIREMENTS

- A. Section 06 1000 - Rough Carpentry: Plywood backing boards for attachment of soffit panels.
- B. Section 07 2500 - Weather Barriers: Water-resistive barrier under siding.
- C. Section 07 6200 - Sheet Metal Flashing and Trim: Product requirements for metal flashings and trim associated with wood siding for placement by this section.

1.03 REFERENCE STANDARDS

- A. APA 303 - Siding Manufacturing Specifications (Form B840); 2019.
- B. ASCE 7 - Minimum Design Loads and Associated Criteria for Buildings and Other Structures; Most Recent Edition Cited by Referring Code or Reference Standard.
- C. ASTM E84 - Standard Test Method for Surface Burning Characteristics of Building Materials; 2026a.
- D. ASTM E119 - Standard Test Methods for Fire Tests of Building Construction and Materials; 2026.
- E. AWPA U1 - Use Category System: User Specification for Treated Wood; 2025.
- F. SPIB (GR) - Standard Grading Rules; 2021.

1.04 SUBMITTALS

- A. See Section 01 3000 - Administrative Requirements for submittal procedures.
- B. Product Data: Provide manufacturer's data on materials, fastening methods, sizes, finishes, and accessories; showing compliance with requirements, including:
 - 1. Physical characteristics of components shown on shop drawings.
 - 2. Storage and handling requirements and recommendations.
 - 3. Installation instructions and recommendations.
- C. Samples: Submit two samples 4 by 4 inches in size illustrating color and grain.

1.05 MOCK-UPS

- A. Construct mock-up on project site incorporating required materials and workmanship, with minimum size of 4 feet long by 8 feet wide.
- B. Locate where directed by Architect.
- C. Mock-up may remain as part of work.

1.06 DELIVERY, STORAGE, AND HANDLING

- A. See Section 01 7419 - Construction Waste Management and Disposal for packaging waste requirements.
- B. Store in ventilated areas with constant minimum temperature of 60 degrees F and maximum relative humidity of 55 percent.
- C. Store materials flat, with spacers between each bundle to provide adequate air circulation, a minimum 4 inches above concrete flooring and 12 inches above ground, on framework or blocking.

1.07 FIELD CONDITIONS

- A. Do not install siding when air temperature or relative humidity are outside manufacturer's limits.

1.08 WARRANTY

- A. See Section 01 7800 - Closeout Submittals for additional warranty requirements.
- B. Extended Correction Period: Correct defective work within 2-year period commencing on Date of Substantial Completion.
- C. Manufacturer's Material Warranty: Fifty (50) years.

PART 2 PRODUCTS**2.01 MANUFACTURERS**

- A. Wood Siding:
 - 1. Accoya; Shiplap with Reveal: www.accoya.com.

2.02 PERFORMANCE REQUIREMENTS

- A. Comply with local wind load resistance requirements of ASCE 7.

2.03 SIDING

- A. Board Siding: Flat, acetylized, maximum moisture content of 10 percent.
 - 1. Size: 5/8 inch thick, 5-1/4 inch high nominal board with 1/2 inch lap.
 - 2. Profile: Ship lap with reveal.
 - 3. Species: Radiata Pine, acetylized.
 - 4. Flame Spread Classification: Treated to achieve Class B or better.
 - 5. For use in wood ceiling / soffit applications as indicated on drawings.

2.04 ACCESSORIES

- A. Nails: Corrosion resistant type; nonstaining, high-quality 304 or 316 stainless steel, of size and strength to securely and rigidly retain the work.

PART 3 EXECUTION**3.01 EXAMINATION**

- A. Verify that substrates are ready to receive work.
- B. Do not begin until unacceptable conditions have been corrected.
- C. If substrate preparation is the responsibility of another installer, notify Architect of unsatisfactory preparation before proceeding.

3.02 INSTALLATION

- A. Install soffits in accordance with manufacturer's instructions.
- B. Fasten siding securely in place and level.
 - 1. Arrange for orderly nailing pattern, blind nail except over trim.
 - 2. Position cut ends over bearing surfaces, and sand cut edges smooth and clean.
- C. Touch-up, repair, or replace damaged wood siding materials; notify Architect of damaged materials, and confirm acceptable process before completion of this work.
- D. Sand work smooth and set exposed nails and screws.

3.03 TOLERANCES

- A. Maximum Offset from Joint Alignment: 1/16 inch.

3.04 CLEANING

- A. See Section 01 7000 - Execution and Closeout Requirements for additional requirements.
- B. Clean exposed work upon completion of installation; remove grease and oil films, excess joint sealer, handling marks, and debris from installation, leaving work clean and unmarked, free from dents, creases, waves, scratch marks, or other damage to finish.

3.05 PROTECTION

- A. Protect installed products until completion of project.
- B. Touch-up, repair, or replace damaged products before Date of Substantial Completion.

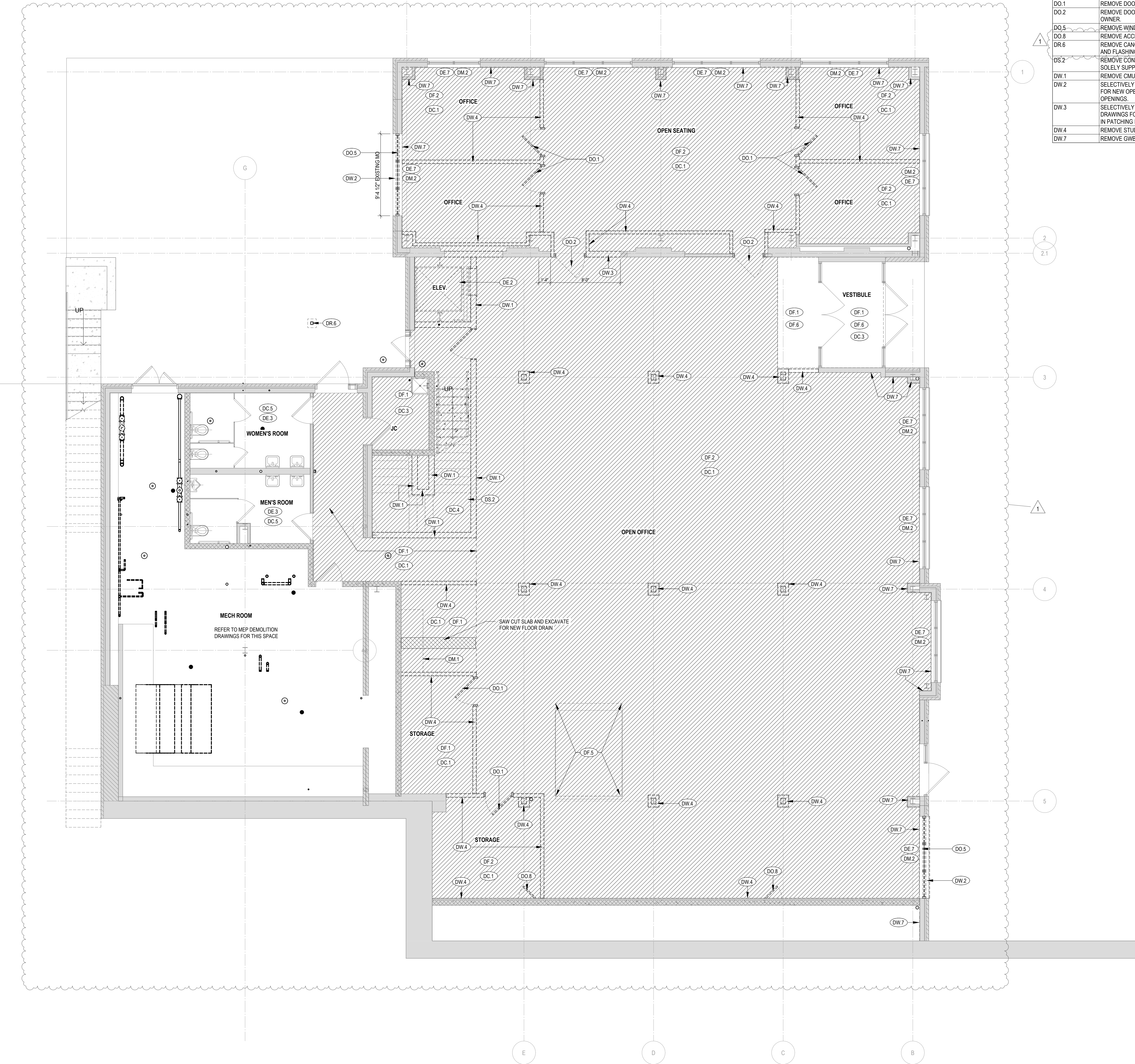
END OF SECTION

THESE DOCUMENTS WERE PREPARED UNDER THE DIRECT SUPERVISION OF A LICENSED PROFESSIONAL. THE DOCUMENTS AND ALL THE DATA CONTAINED HEREIN ARE THE PROPERTY OF ASHLEY MCGRAW ARCHITECTS. NO PART OF THESE DOCUMENTS MAY BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, WITHOUT THE WRITTEN PERMISSION OF ASHLEY MCGRAW ARCHITECTS. IT IS A VIOLATION OF THE PROFESSIONAL SEAL OF A LICENSED ARCHITECT OR ENGINEER TO REPRODUCE OR TRANSMIT THESE DOCUMENTS IN ANY WAY, IN WHOLE OR IN PART, WITHOUT THE WRITTEN PERMISSION OF ASHLEY MCGRAW ARCHITECTS.

THE LINE DRAWING ABOVE IS EXACTLY THE SAME AS THE ORIGINAL DRAWING. ANY CHANGES TO THE ORIGINAL DRAWING WILL BE INDICATED BY A RED LINE OR A RED CIRCLE. ANY CHANGES TO THE ORIGINAL DRAWING WILL BE INDICATED BY A RED LINE OR A RED CIRCLE.

10/2/2025 12:30:54 PM

Asbldoc Doc: Cornell University Beebe Hall Maker Hub Reno24213_Cornell_Beebe Hall Maker Hub Reno_025.rvt



KEYED NOTES	
DC.1	REMOVE SUSPENDED/ACF CEILING SYSTEM, INCLUDING TRIM, HANGERS AND ACCESSORIES, ELECTRICAL DEVICES, AND LIGHT FIXTURES.
DC.3	REMOVE GYPSUM / PLASTER CEILING, INCLUDING TRIM, HANGERS AND ACCESSORIES, ELECTRICAL DEVICES, AND LIGHT FIXTURES.
DC.4	REMOVE SUSPENDED LIGHT FIXTURES; SALVAGE AND TURN OVER TO OWNER.
DC.5	REMOVE EXISTING CEILING TILES, EXISTING GRID TO REMAIN.
DE.2	REMOVE ELEVATOR, INCLUDING CAB, DOORS, CONTROLS, EQUIPMENT, HYDRAULICS, RAILS, HOIST BEAM, AND OTHER ASSOCIATED ELEMENTS.
DE.3	REMOVE EXISTING TOILET ROOM ACCESSORIES, INCLUDING TOILET TISSUE DISPENSER, PAPER TOWEL DISPENSER, SOAP DISPENSER, WASTE RECEPTACLES.
DE.7	REMOVE ROLLER SHADES.
DF.1	REMOVE RESILIENT FLOORING.
DF.2	REMOVE CARPET AND ADHESIVE.
DF.5	REMOVE CONCRETE FLOOR SLAB. COORDINATE WITH STRUCTURAL AND ELEVATOR DWGS.
DF.6	REMOVE EXISTING SLAB TO DEPTH REQUIRED TO ACCOMMODATE NEW WALK OFF GRILLE. COORDINATE EXTENTS WITH NEW WORK.
DM.1	REMOVE CASEWORK, INCLUDING COUNTERTOPS, BASE CABINETS, TRIM, ANCHORS AND ACCESSORIES. COORDINATE WITH PLUMBING DRAWINGS.
DM.2	REMOVE LAMINATE WINDOW SILL.
DO.1	REMOVE DOOR, FRAME AND HARDWARE IN THEIR ENTIRETY.
DO.2	REMOVE DOOR, FRAME AND HARDWARE. SALVAGE DOOR AND HARDWARE TO OWNER.
DO.5	REMOVE WINDOW ASSEMBLY AND CONCRETE SILL.
DR.6	REMOVE ACCESS PANEL SYSTEM.
DS.2	REMOVE CANOPY SYSTEM, INCLUDING STEEL STRUCTURE, CONCRETE BASE PIER, AND FLASHING AT MASONRY.
DS.2	REMOVE CONCRETE STAIR ASSEMBLY AND RAILINGS, INCLUDING STRUCTURE SOLELY SUPPORTING STAIR ASSEMBLY.
DW.1	REMOVE CMU MASONRY WALL.
DW.2	SELECTIVELY REMOVE EXTERIOR WALL ASSEMBLY BELOW WINDOW ASSEMBLY FOR NEW OPENING. SALVAGE BRICK FOR USE IN PATCHING EXTERIOR MASONRY OPENINGS.
DW.3	SELECTIVELY REMOVE MASONRY WALL FOR NEW OPENING. SEE STRUCTURAL DRAWINGS FOR INFORMATION REGARDING NEW UNTEL. SALVAGE BRICK FOR USE IN PATCHING INTERIOR MASONRY OPENINGS.
DW.4	REMOVE STUD WALL.
DW.7	REMOVE GWB FROM STUD WALL TO REMAIN.

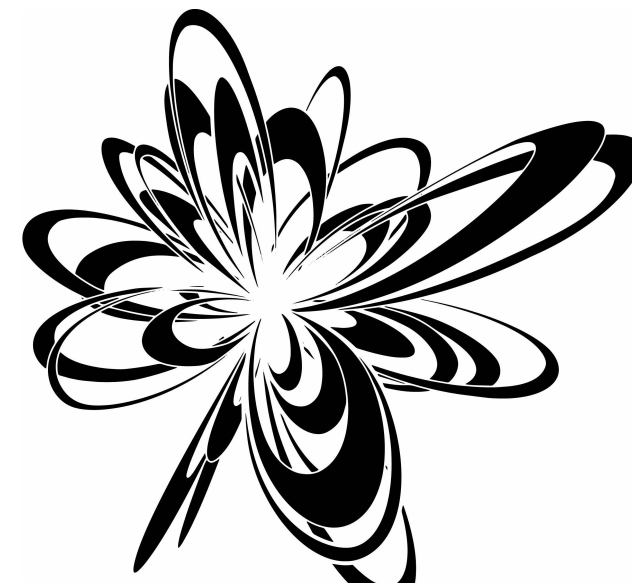
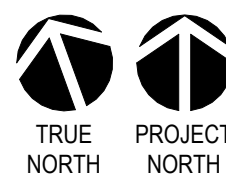
GENERAL DEMOLITION NOTES	
NO.	Gen Demo Notes
A	GENERAL NOTES APPLY TO THE INTENDED WORK INDICATED IN THE CONTRACT DOCUMENTS.
B	THE DEMOLITION DRAWINGS ARE INTENDED AS A SUMMARY OF THE DEMOLITION, BUT MAY NOT REPRESENT ALL OF THE DEMOLITION REQUIRED TO COMPLETE THE WORK. THE DEMOLITION DRAWINGS AND THE REMAINDER OF THE CONSTRUCTION DOCUMENTS ARE COMPLEMENTARY, AS ADDITIONAL INFORMATION REQUIRED TO COMPLETE THE DEMOLITION MAY BE INDICATED THROUGHOUT.
C	DEMOLITION REQUIRED TO COMPLETE THE WORK, BUT NOT INDICATED, SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR COMPLETING THAT WORK.
D	DEMOLITION OF MECHANICAL, ELECTRICAL, AND PLUMBING ELEMENTS REQUIRED BY THE GENERAL DEMOLITION, BUT NOT INDICATED, SHALL BE COMPLETED BY THE APPROPRIATE TRADE CONTRACTORS. EACH TRADE CONTRACTOR SHALL COORDINATE THEIR DEMOLITION WITH EACH OTHER AND WITH THE SCOPE OF THE FINISHED WORK.
E	WHERE NEW FINISHES ARE TO BE APPLIED REMOVE ABANDONED, NON-FUNCTIONING ITEMS, SUCH AS SURFACE MOUNTED CONDUIT, RACEWAYS, JUNCTION BOXES, CLIPS, BRACKETS, FASTENERS, ETC. MECHANICAL, ELECTRICAL, AND PLUMBING ELEMENTS SHALL BE REMOVED BY THE APPROPRIATE TRADE CONTRACTORS, UNLESS OTHERWISE INDICATED OR DIRECTED.
F	EXISTING CONDITIONS MAY VARY FROM THOSE INDICATED. NOTIFY THE ARCHITECT IN WRITING OF DISCREPANCIES BETWEEN EXISTING CONDITIONS AND THE CONTRACT DOCUMENTS BEFORE PROCEEDING WITH THE WORK.
G	WHEN REMOVING A MATERIAL, COMPONENT, ASSEMBLY OR SYSTEM, IT SHALL INCLUDE REMOVAL OF ASSOCIATED SUSPENSION, HANGERS, BRACING, SHIMS, FASTENERS, ANCHORS, TRIM, ACCESSORIES, TRANSITION PIECES, ADHESIVES, SEALANTS, ETC., THE PRESENCE OF WHICH SERVES NO OTHER DISCERNABLE PURPOSE OTHER THAN ITS ASSOCIATION WITH ITEM BEING REMOVED, UNLESS OTHERWISE INDICATED.
H	WHERE REMOVAL OF A MATERIAL, COMPONENT, ASSEMBLY OR SYSTEM IS INDICATED, IT SHALL INCLUDE THE REMOVAL OF RESIDUAL MATERIALS LEFT BEHIND ON ADJACENT SURFACES TO BE EXPOSED IN THE COMPLETED WORK, OR AS REQUIRED TO PREPARE SUCH SURFACES TO RECEIVE FINISHES INDICATED.
I	WHERE NEWLY EXPOSED SURFACES ARE TO REMAIN EXPOSED IN THE COMPLETED WORK, CONTRACTORS SHALL PATCH SURFACES WITH IN-KIND MATERIAL TO LIKE-NEW CONDITION, SUBJECT TO ARCHITECT'S APPROVAL.
J	CONTRACTORS ARE RESPONSIBLE FOR DECONSTRUCTION OF ASSEMBLIES OR SYSTEMS AS REQUIRED TO SEPARATE RECYCLABLE MATERIALS INTO THEIR CORRECT CATEGORIES.
K	SALVAGE MATERIALS AND EQUIPMENT AND TURN OVER TO THE OWNER AS INDICATED. SALVAGING SHALL INCLUDE THE REMOVAL OF INTACT ASSEMBLIES, THEIR STORAGE, PROTECTION, ORGANIZING AND RELOCATION UNLESS OTHERWISE INDICATED OR AS DIRECTED.
L	WHEN REMOVING AN ITEM THAT HAS ATTACHED RIGID SIGNAGE, REMOVED SIGNAGE IN-FACT, AND REINSTALL ON THE NEW WORK OR TURN OVER AS DIRECTED BY OWNER. S REPRESENTATIVE, PROVIDE APPROPRIATE FASTENERS, TAPE, OR ADHESIVE COMPATIBLE WITH SIGNAGE AND SURFACE.
M	WHEN REMOVING A UNIQUE, CUSTOM, OR DIFFICULT TO OBTAIN MATERIAL, VERIFY SALVAGE OPTIONS WITH OWNER'S REPRESENTATIVE PRIOR TO DISCARDING. EXAMPLES MAY INCLUDE GLAZED BLOCK, MOLDED BRICKS, CAST TERRAZZO BASE, ETC.
N	WHEN REMOVING ITEMS INDICATED FOR REINSTALLATION, REMOVAL SHALL INCLUDE TRIM, ACCESSORIES, MOUNTING HARDWARE, ETC., REQUIRED FOR REINSTALLATION.
O	WHERE DEMOLITION EXPOSES ENCLOSED SPACE OR SURFACES THAT WILL REMAIN EXPOSED IN THE FINISHED WORK, PROVIDE A THOROUGH CLEANING OF ALL SURFACES PRIOR TO PATCHING / FINISHING.
P	CONTRACTORS SHALL ASSUME THE PRESENCE OF LEAD BASED PAINT AND OTHER LEAD CONTAINING MATERIALS IN BUILDING CONSTRUCTION BUILT PRIOR TO 1978, AND SHALL FOLLOW ALL REQUIRED WORK PRACTICES AND REGULATORY REQUIREMENTS REQUIRED TO CARRY OUT THE WORK. OTHER HAZARDOUS MATERIALS MAY BE PRESENT IN EXISTING CONSTRUCTION. INFORMATION ON THE PRESENCE OF KNOWN HAZARDOUS MATERIALS IS AVAILABLE FROM THE OWNER FOR CONTRACTORS' REVIEW. CONTRACTORS SHALL EXAMINE THE INFORMATION PRIOR TO BIDDING, AND BECOME FAMILIAR WITH LOCATIONS WHERE HAZARDOUS MATERIALS ARE KNOWN OR LIKELY TO BE PRESENT. CONTRACTORS ARE REQUIRED TO PLAN THEIR WORK IN ACCORDANCE WITH CONTRACT AND STATUTORY REQUIREMENTS, AND TO COORDINATE THEIR WORK WITH ANY REMEDIATION REQUIRED.
Q	SHORE, BRACE AND SUPPORT STRUCTURAL ELEMENTS DURING CUTTING AND PATCHING. DO NOT CUT AND PATCH STRUCTURAL ELEMENTS IN A MANNER THAT COULD CHANGE THEIR LOAD CARRYING CAPACITY OR LOAD DEFLECTION RATIO. WHERE CUTTING AND PATCHING INVOLVE ADDING REINFORCEMENT TO STRUCTURAL ELEMENTS, SUBMIT DETAILS AND ENGINEERING CALCULATIONS OF A REGISTERED PROFESSIONAL STRUCTURAL ENGINEER, CURRENTLY LICENSED IN NEW YORK STATE, SHOWING INTEGRATION OF REINFORCEMENT WITH ORIGINAL STRUCTURE.
R	WHERE NEW OR ENLARGED OPENINGS ARE INDICATED IN EXISTING CONSTRUCTION, CONTRACTORS SHALL COORDINATE SIZES AND LOCATIONS OF OPENINGS WITH THE FINISHED WORK, REFRAME OPENINGS IN STUD WALLS, INCLUDING NEW HEADER.
S	WHERE NEW OR ENLARGED OPENINGS ARE INDICATED IN UNIT MASONRY THAT WILL BE LEFT EXPOSED, PATCH MASONRY WITH SALVAGED IN-KIND UNITS WITH FINISHED SURFACES, TOOTHED IN TO MATCH SURROUNDING COURSEING AND BOND. PROVIDE NEW UNTEL UNLESS OTHERWISE INDICATED.
T	WHERE NEW OR ENLARGED OPENINGS ARE INDICATED IN FLOOR AND ROOF CONSTRUCTION CUT DECK OPENINGS TO MINIMAL SIZE REQUIRED TO INSTALL NEW WORK. MODIFICATIONS TO EXISTING OPENINGS SHALL INCLUDE RELOCATION AND MODIFICATION OF EXISTING FRAMING. NEW OPENINGS SHALL INCLUDE NEW SUPPORT FRAMING, AND REMOVAL, REINFORCING, RELOCATION OR MODIFICATION OF EXISTING FRAMING UNLESS OTHERWISE INDICATED.
U	REMOVE WINDOW TREATMENTS UNLESS OTHERWISE INDICATED OR DIRECTED. REVIEW WITH OWNER IF ITEMS SHOULD BE TURNED OVER PRIOR TO DISPOSING OF. IF OWNER DECIDES NOT TO KEEP ITEMS, THEN CONTRACTOR IS TO DISPOSE OF.
V	WHERE REMOVAL OF DOORS IS INDICATED, BOX AND LABEL HARDWARE REVIEW WITH OWNER IF ITEMS SHOULD BE TURNED OVER PRIOR TO DISPOSING OF. IF OWNER DECIDES NOT TO KEEP ITEMS, THEN CONTRACTOR IS TO DISPOSE OF.
W	WHERE REMOVAL OF ADJUSTABLE SHELVING, MODULAR CHALK BOARDS ON STANDARDS, OR SIMILAR RELOCATABLE ITEMS IS REQUIRED, REVIEW WITH OWNER IF ITEMS SHOULD BE TURNED OVER PRIOR TO DISPOSING OF. IF OWNER DECIDES NOT TO KEEP ITEMS, THEN CONTRACTOR IS TO DISPOSE OF.
X	WHERE REMOVAL OF SUSPENDED CEILINGS IS INDICATED FOR ACCESS TO WORK ABOVE, GC SHALL REMOVE CEILING PANELS, GRID AND SUSPENSION COMPONENTS TO ALLOW UNENCUMBERED ACCESS. COORDINATE EXTENT WITH WORK OF OTHER TRADES REQUIRING ACCESS. GC SHALL REINSTALL CEILING UPON COMPLETION OF WORK ABOVE. WHERE REMOVAL OF CEILINGS IS REQUIRED, BUT NOT INDICATED, REMOVAL AND REPLACEMENT SHALL BE BY CONTRACTOR REQUIRING ACCESS.
Y	WHERE REMOVAL OF GWB/PLASTER CEILINGS IS INDICATED FOR ACCESS TO WORK ABOVE, GC SHALL REMOVE GWB/PLASTER AND FRAMING TO LOGICAL POINT OF SUPPORT TO ALLOW UNENCUMBERED ACCESS. COORDINATE EXTENT WITH WORK OF OTHER TRADES REQUIRING ACCESS. GC SHALL RECONSTRUCT CEILING IN-KIND TO LIKE-NEW CONDITION UNLESS OTHERWISE INDICATED. WHERE REMOVAL OF CEILINGS IS REQUIRED, BUT NOT INDICATED, REMOVAL AND RECONSTRUCTION SHALL BE BY CONTRACTOR REQUIRING ACCESS. RECONSTRUCTION SHALL INCLUDE PAINTING.

LEGEND- DEMOLITION PLANS

BUILDING ELEMENTS

- EXISTING PARTITION TO REMAIN
- DEMO PARTITION
- DEMO DOOR
- DEMO FLOOR
- EXISTING CONCRETE TO BE EXPOSED; COORDINATE EXTENTS WITH NEW FLOOR FINISH PLAN

A1 DEMOLITION PLAN-OVERALL- LEVEL 01
3/16" = 1'-0"



ASHLEY MCGRAW
125 EAST JEFFERSON STREET
SYRACUSE, NEW YORK 13202

CONSULTANT:

SEAL:



ARCH NAME ARCH #

OWNER:

CORNELL UNIVERSITY
ITHACA, NEW YORK 14853

CORNELL UNIVERSITY
BEEBE HALL CU MAKER HUB RENOVATIONS
110 ARBORETUM RD.,
ITHACA, NY 14850

AW JOB NO.:

24213

REV.	DATE	REV. DESCRIPTION
1	2025.10.06	ADDENDUM #1

PROJECT STATUS: BID DOCUMENTS

DATE ISSUED: 2026.09.14

DEMOLITION PLAN-
LEVEL 01

AD101R

© 2026 - ASHLEY MCGRAW ARCHITECTS

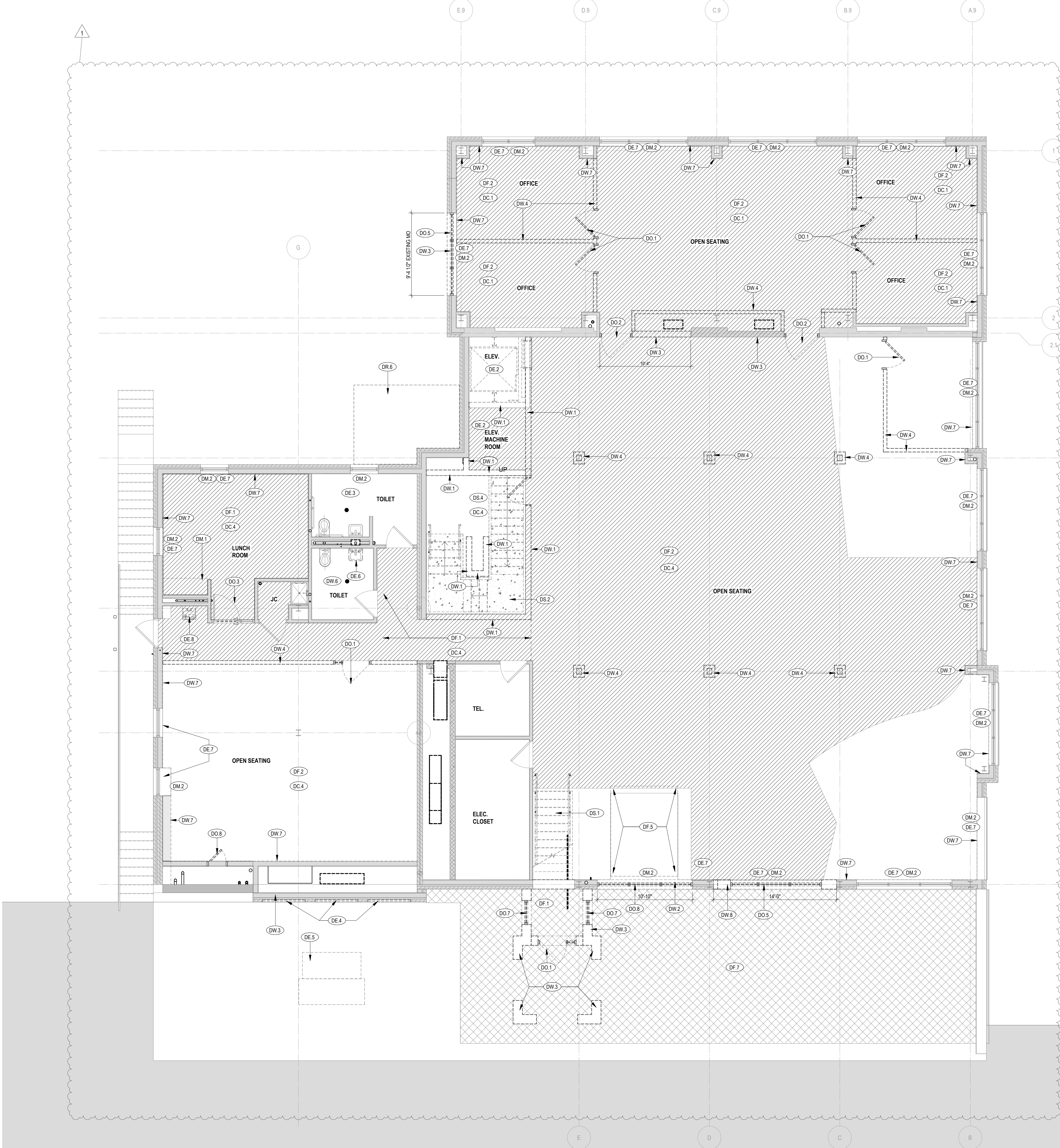
THESE DOCUMENTS WERE PREPARED UNDER THE DIRECT SUPERVISION OF A LICENSED PROFESSIONAL. THE DOCUMENTS AND ALL THE DATA CONTAINED HEREIN ARE THE PROPERTY OF ASHLEY MCGRAW ARCHITECTS, P.C. NO PART OF THESE DOCUMENTS MAY BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, WITHOUT THE WRITTEN PERMISSION OF ASHLEY MCGRAW ARCHITECTS, P.C. IT IS A VIOLATION OF THE PROFESSIONAL SEAL OF ASHLEY MCGRAW ARCHITECTS, P.C. TO REPRODUCE OR TRANSMIT THESE DOCUMENTS IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, WITHOUT THE WRITTEN PERMISSION OF ASHLEY MCGRAW ARCHITECTS, P.C.

THE LINE DRAWING ABOVE IS EXACTLY THE SAME AS THE ORIGINAL DRAWING. ANY CHANGES TO THE ORIGINAL DRAWING WILL BE INDICATED BY A RED LINE OR A RED CIRCLE.

THE DIMENSIONS ABOVE ARE GIVEN IN FEET AND INCHES. DIMENSIONS IN PARENTHESES ARE GIVEN IN METERS. DIMENSIONS IN PARENTHESES ARE GIVEN IN METERS.

10/20/2025 12:31:13 PM

\\ashley\docs\Cornell University\Beebe Hall Maker Hub Reno\24213_Cornell_Beebe Hall Maker Hub Reno_025.rvt



KEYED NOTES	
DC.1	REMOVE SUSPENDED/AC CEILING SYSTEM, INCLUDING TRIM, HANGERS AND ACCESSORIES, ELECTRICAL DEVICES, AND LIGHT FIXTURES.
DC.4	REMOVE SUSPENDED LIGHT FIXTURES, SALVAGE AND TURN OVER TO OWNER.
DE.2	REMOVE ELEVATOR, INCLUDING CAB, DOORS, CONTROLS, EQUIPMENT, HYDRAULICS, RAILS, HOIST BEAM, AND OTHER ASSOCIATED ELEMENTS.
DE.3	REMOVE EXISTING TOILET ROOM ACCESSORIES, INCLUDING TOILET TISSUE DISPENSER, PAPER TOWEL DISPENSER, SOAP DISPENSER, WASTE RECEPTACLES.
DE.4	REMOVE LOUVERS.
DE.5	RELOCATE TRANSFORMER, DEMO PAD.
DE.6	REMOVE SINK AND MIRROR, SALVAGE FOR REINSTALLATION.
DE.7	REMOVE ROLLER SHADES.
DE.8	REMOVE DRINKING FOUNTAIN.
DF.1	REMOVE RESILIENT FLOORING.
DF.2	REMOVE CARPET AND ADHESIVE.
DF.5	REMOVE CONCRETE FLOOR SLAB. COORDINATE WITH STRUCTURAL AND ELEVATOR DWGS.
DF.7	REMOVE 3" CONCRETE TOPPING SLAB DOWN TO PROTECTION BOARD.
DW.1	REMOVE CASEWORK, INCLUDING COUNTERTOPS, BASE CABINETS, TRIM, ANCHORS AND ACCESSORIES. COORDINATE WITH PLUMBING DRAWINGS.
DW.2	REMOVE LAMINATE WINDOW SILL.
DO.1	REMOVE DOOR, FRAME AND HARDWARE IN THEIR ENTIRETY.
DO.2	REMOVE DOOR, FRAME AND HARDWARE, SALVAGE DOOR AND HARDWARE TO OWNER.
DO.3	REMOVE DOOR AND HARDWARE, FRAME TO REMAIN.
DO.5	REMOVE WINDOW ASSEMBLY AND CONCRETE SILL.
DO.7	REMOVE WINDOW.
DR.8	REMOVE ACCESS PANEL SYSTEM.
DS.1	REMOVE CANOPY SYSTEM, INCLUDING STEEL STRUCTURE, CONCRETE BASE PIER, AND FLASHING AT MASONRY.
DS.2	REMOVE STEEL STAIR, RAILINGS, CONCRETE TREAD FILL, AND ASSOCIATED STRUCTURE COMPLETE.
DS.4	REMOVE CONCRETE STAIR ASSEMBLY AND RAILINGS, INCLUDING STRUCTURE SOLELY SUPPORTING STAIR ASSEMBLY.
DW.1	REMOVE RESILIENT FLOORING AND TREAD STRIPS.
DW.2	REMOVE CMU MASONRY WALL.
DW.3	SELECTIVELY REMOVE EXTERIOR WALL ASSEMBLY BELOW WINDOW ASSEMBLY FOR NEW OPENING. SALVAGE BRICK FOR USE IN PATCHING EXTERIOR MASONRY OPENINGS.
DW.4	SELECTIVELY REMOVE MASONRY WALL FOR NEW OPENING. SEE STRUCTURAL DRAWINGS FOR INFORMATION REGARDING NEW LINTEL. SALVAGE BRICK FOR USE IN PATCHING INTERIOR MASONRY OPENINGS.
DW.6	REMOVE STUD WALL.
DW.7	REMOVE WALL TILE AS NEEDED TO INSTALL NEW FIXTURES. COORDINATE WITH NEW WORK PLANS.
DW.8	REMOVE GWB FROM STUD WALL TO REMAIN.
	SELECTIVELY DEMO EXTERIOR WALL ASSEMBLY FOR NEW OPENING. SEE STRUCTURAL DRAWINGS FOR INFORMATION REGARDING NEW LINTEL. SALVAGE BRICK FOR USE IN PATCHING EXTERIOR MASONRY OPENINGS.

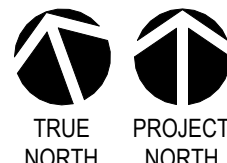
GENERAL DEMOLITION NOTES	
NO.	Gen Demo Notes
A	GENERAL NOTES APPLY TO THE INTENDED WORK INCLUDED IN THE CONTRACT DOCUMENTS.
B	THE DEMOLITION DRAWINGS ARE INTENDED AS A SUMMARY OF THE DEMOLITION, BUT MAY NOT REPRESENT ALL OF THE DEMOLITION REQUIRED TO COMPLETE THE WORK. THE DEMOLITION DRAWINGS AND THE REMAINDER OF THE CONSTRUCTION DOCUMENTS ARE COMPLEMENTARY, AS ADDITIONAL INFORMATION REQUIRED TO COMPLETE THE DEMOLITION MAY BE INDICATED THROUGHOUT.
C	DEMOLITION REQUIRED TO COMPLETE THE WORK, BUT NOT INDICATED, SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR COMPLETING THAT WORK.
D	DEMOLITION OF MECHANICAL, ELECTRICAL, AND PLUMBING ELEMENTS REQUIRED BY THE GENERAL DEMOLITION, BUT NOT INDICATED, SHALL BE COMPLETED BY THE APPROPRIATE TRADE CONTRACTORS. EACH TRADE CONTRACTOR SHALL COORDINATE THEIR DEMOLITION WITH EACH OTHER AND WITH THE SCOPE OF THE FINISHED WORK.
E	WHERE NEW FINISHES ARE TO BE APPLIED REMOVE ABANDONED, NON-FUNCTIONING ITEMS, SUCH AS SURFACE MOUNTED CONDUIT, RACEWAYS, JUNCTION BOXES, CLIPS, BRACKETS, FASTENERS, ETC. MECHANICAL, ELECTRICAL, AND PLUMBING ELEMENTS SHALL BE REMOVED BY THE APPROPRIATE TRADE CONTRACTORS, UNLESS OTHERWISE INDICATED OR DIRECTED.
F	EXISTING CONDITIONS MAY VARY FROM THOSE INDICATED. NOTIFY THE ARCHITECT IN WRITING OF DISCREPANCIES BETWEEN EXISTING CONDITIONS AND THE CONTRACT DOCUMENTS BEFORE PROCEEDING WITH THE WORK.
G	WHEN REMOVING A MATERIAL, COMPONENT, ASSEMBLY OR SYSTEM, IT SHALL INCLUDE REMOVAL OF ASSOCIATED SUSPENSION, HANGERS, BRACING, SHIMS, FASTENERS, ANCHORS, TRIM, ACCESSORIES, TRANSITION PIECES, ADHESIVES, SEALANTS, ETC. THE PRESENCE OF WHICH SERVES NO OTHER DISCERNABLE PURPOSE OTHER THAN ITS ASSOCIATION WITH ITEM BEING REMOVED, UNLESS OTHERWISE INDICATED.
H	WHERE REMOVAL OF A MATERIAL, COMPONENT, ASSEMBLY OR SYSTEM IS INDICATED, IT SHALL INCLUDE THE REMOVAL OF RESIDUAL MATERIALS LEFT BEHIND ON ADJACENT SURFACES TO BE EXPOSED IN THE COMPLETED WORK, OR AS REQUIRED TO PREPARE SUCH SURFACES TO RECEIVE FINISHES INDICATED.
I	WHERE NEWLY EXPOSED SURFACES ARE TO REMAIN EXPOSED IN THE COMPLETED WORK, CONTRACTORS SHALL PATCH SURFACES WITH IN-KIND MATERIAL TO LIKE-NEW CONDITION, SUBJECT TO ARCHITECT'S APPROVAL.
J	CONTRACTORS ARE RESPONSIBLE FOR DECONSTRUCTION OF ASSEMBLIES OR SYSTEMS AS REQUIRED TO SEPARATE RECYCLABLE MATERIALS INTO THEIR CORRECT CATEGORIES.
K	SALVAGE MATERIALS AND EQUIPMENT AND TURN OVER TO THE OWNER AS INDICATED. SALVAGING SHALL INCLUDE THE REMOVAL OF INTACT ASSEMBLIES, THEIR STORAGE, PROTECTION, ORGANIZING AND RELOCATION UNLESS OTHERWISE INDICATED OR AS DIRECTED.
L	WHEN REMOVING AN ITEM THAT HAS ATTACHED RIGID SIGNAGE, REMOVED SIGNAGE IN-TACT, AND REINSTALL ON THE NEW WORK OR TURN OVER AS DIRECTED BY OWNER'S REPRESENTATIVE. PROVIDE APPROPRIATE FASTENERS, TAPE, OR ADHESIVE COMPATIBLE WITH SIGNAGE AND SURFACE.
M	WHEN REMOVING A UNIQUE, CUSTOM, OR DIFFICULT TO OBTAIN MATERIAL, VERIFY SALVAGE OPTIONS WITH OWNER'S REPRESENTATIVE PRIOR TO DISCARDING. EXAMPLES MAY INCLUDE GLAZED BLOCK, MOLDED BRICKS, CAST TERRAZZO BASE, ETC.
N	WHEN REMOVING ITEMS INDICATED FOR REINSTALLATION, REMOVAL SHALL INCLUDE TRIM, ACCESSORIES, MOUNTING HARDWARE, ETC., REQUIRED FOR REINSTALLATION.
O	WHERE DEMOLITION EXPOSES ENCLOSED SPACE OR SURFACES THAT WILL REMAIN EXPOSED IN THE FINISHED WORK, PROVIDE A THOROUGH CLEANING OF ALL SURFACES PRIOR TO PATCHING / FINISHING.
P	CONTRACTORS SHALL ASSUME THE PRESENCE OF LEAD BASED PAINT AND OTHER LEAD CONTAINING MATERIALS IN BUILDING CONSTRUCTION BUILT PRIOR TO 1978, AND SHALL FOLLOW ALL REQUIRED WORK PRACTICES AND REGULATORY REQUIREMENTS REQUIRED TO CARRY OUT THE WORK. OTHER HAZARDOUS MATERIALS MAY BE PRESENT IN EXISTING CONSTRUCTION. INFORMATION ON THE PRESENCE OF KNOWN HAZARDOUS MATERIALS IS AVAILABLE FROM THE OWNER FOR CONTRACTORS' REVIEW. CONTRACTORS SHALL EXAMINE THE INFORMATION PRIOR TO BIDDING, AND BECOME FAMILIAR WITH LOCATIONS WHERE HAZARDOUS MATERIALS ARE KNOWN OR LIKELY TO BE PRESENT. CONTRACTORS ARE REQUIRED TO PLAN THEIR WORK IN ACCORDANCE WITH CONTRACT AND STATUTORY REQUIREMENTS, AND TO COORDINATE THEIR WORK WITH ANY REMEDIATION REQUIRED.
Q	SHORE, BRACE AND SUPPORT STRUCTURAL ELEMENTS DURING CUTTING AND PATCHING. DO NOT CUT AND PATCH STRUCTURAL ELEMENTS IN A MANNER THAT COULD CHANGE THEIR LOAD CARRYING CAPACITY OR LOAD DEFLECTION RATIO. WHERE CUTTING AND PATCHING INVOLVE ADDING REINFORCEMENT TO STRUCTURAL ELEMENTS, SUBMIT DETAILS AND ENGINEERING CALCULATIONS OF A REGISTERED PROFESSIONAL (STRUCTURAL) ENGINEER, CURRENTLY LICENSED IN NEW YORK STATE, SHOWING INTEGRATION OF REINFORCEMENT WITH ORIGINAL STRUCTURE.
R	WHERE NEW OR ENLARGED OPENINGS ARE INDICATED IN EXISTING CONSTRUCTION, CONTRACTORS SHALL COORDINATE SIZES AND LOCATIONS OF OPENINGS WITH THE FINISHED WORK. REFRAME OPENINGS IN STUD WALLS, INCLUDING NEW HEADER.
S	WHERE NEW OR ENLARGED OPENINGS ARE INDICATED IN UNIT MASONRY THAT WILL BE LEFT EXPOSED, PATCH MASONRY WITH SALVAGED IN-KIND UNITS WITH FINISHED SURFACES, TOOTHED IN, TO MATCH SURROUNDING COURSING AND BOND. PROVIDE NEW LINTEL, UNLESS OTHERWISE INDICATED.
T	WHERE NEW OR ENLARGED OPENINGS ARE INDICATED IN FLOOR AND ROOF CONSTRUCTION CUT DECK OPENING TO MINIMAL SIZE REQUIRED TO INSTALL NEW WORK. MODIFICATIONS TO EXISTING OPENINGS SHALL INCLUDE RELOCATION AND MODIFICATION OF EXISTING FRAMING. NEW OPENINGS SHALL INCLUDE NEW SUPPORT FRAMING, AND REMOVAL, REINFORCING, RELOCATION OR MODIFICATION OF EXISTING FRAMING UNLESS OTHERWISE INDICATED.
U	REMOVE WINDOW TREATMENTS UNLESS OTHERWISE INDICATED OR DIRECTED. REVIEW WITH OWNER IF ITEMS SHOULD BE TURNED OVER PRIOR TO DISPOSING OF. IF OWNER DECIDES NOT TO KEEP ITEMS, THEN CONTRACTOR IS TO DISPOSE OF.
V	WHERE REMOVAL OF DOORS IS INDICATED, BOX AND LABEL HARDWARE REVIEW WITH OWNER IF ITEMS SHOULD BE TURNED OVER PRIOR TO DISPOSING OF. IF OWNER DECIDES NOT TO KEEP ITEMS, THEN CONTRACTOR IS TO DISPOSE OF.
W	WHERE REMOVAL OF ADJUSTABLE SHELVING, MODULAR CHALK BOARDS ON STANDARDS, OR SIMILAR RELOCATABLE ITEMS IS REQUIRED, REVIEW WITH OWNER IF ITEMS SHOULD BE TURNED OVER PRIOR TO DISPOSING OF. IF OWNER DECIDES NOT TO KEEP ITEMS, THEN CONTRACTOR IS TO DISPOSE OF.
X	WHERE REMOVAL OF SUSPENDED CEILINGS IS INDICATED FOR ACCESS TO WORK ABOVE, GC SHALL REMOVE CEILING PANELS, GRID AND SUSPENSION COMPONENTS TO ALLOW UNENUMBERED ACCESS. COORDINATE EXTENT WITH WORK OF OTHER TRADES REQUIRING ACCESS. GC SHALL REINSTALL CEILING UPON COMPLETION OF WORK ABOVE. WHERE REMOVAL OF CEILINGS IS REQUIRED, BUT NOT INDICATED, REMOVAL AND REPLACEMENT SHALL BE BY CONTRACTOR REQUIRING ACCESS.
Y	WHERE REMOVAL OF GWP/PLASTER CEILINGS IS INDICATED FOR ACCESS TO WORK ABOVE, GC SHALL REMOVE GWP/PLASTER AND FRAMING TO LOGICAL POINT OF SUPPORT TO ALLOW UNENUMBERED ACCESS. COORDINATE EXTENT WITH WORK OF OTHER TRADES REQUIRING ACCESS. GC SHALL RECONSTRUCT CEILING IN-KIND TO LIKE-NEW CONDITION UNLESS OTHERWISE INDICATED. WHERE REMOVAL OF CEILINGS IS REQUIRED, BUT NOT INDICATED, REMOVAL AND RECONSTRUCTION SHALL BE BY CONTRACTOR REQUIRING ACCESS. RECONSTRUCTION SHALL INCLUDE PAINTING.

LEGEND- DEMOLITION PLANS

BUILDING ELEMENTS

- EXISTING PARTITION TO REMAIN
- DEMOLITION PARTITION
- DEMOLITION DOOR
- DEMOLITION FLOOR
- EXISTING CONCRETE TO BE EXPOSED; COORDINATE EXTENTS WITH NEW FLOOR FINISH PLAN

A1 DEMOLITION PLAN-OVERALL- LEVEL 02
3/16" = 1'-0"



ASHLEY MCGRAW
125 EAST JEFFERSON STREET
SYRACUSE, NEW YORK 13202

CONSULTANT:

SEAL:



ARCH NAME

ARCH #

OWNER:

CORNELL UNIVERSITY
ITHACA, NEW YORK 14853

CORNELL UNIVERSITY
BEEBE HALL CU MAKER HUB RENOVATIONS
110 ARBORETUM RD.,
ITHACA, NY 14850

AN JOB NO.:

24213

REV. NO.	REV. DATE	REV. DESCRIPTION
1	2026.09.14	ADDENDUM #1

PROJECT STATUS: BID DOCUMENTS

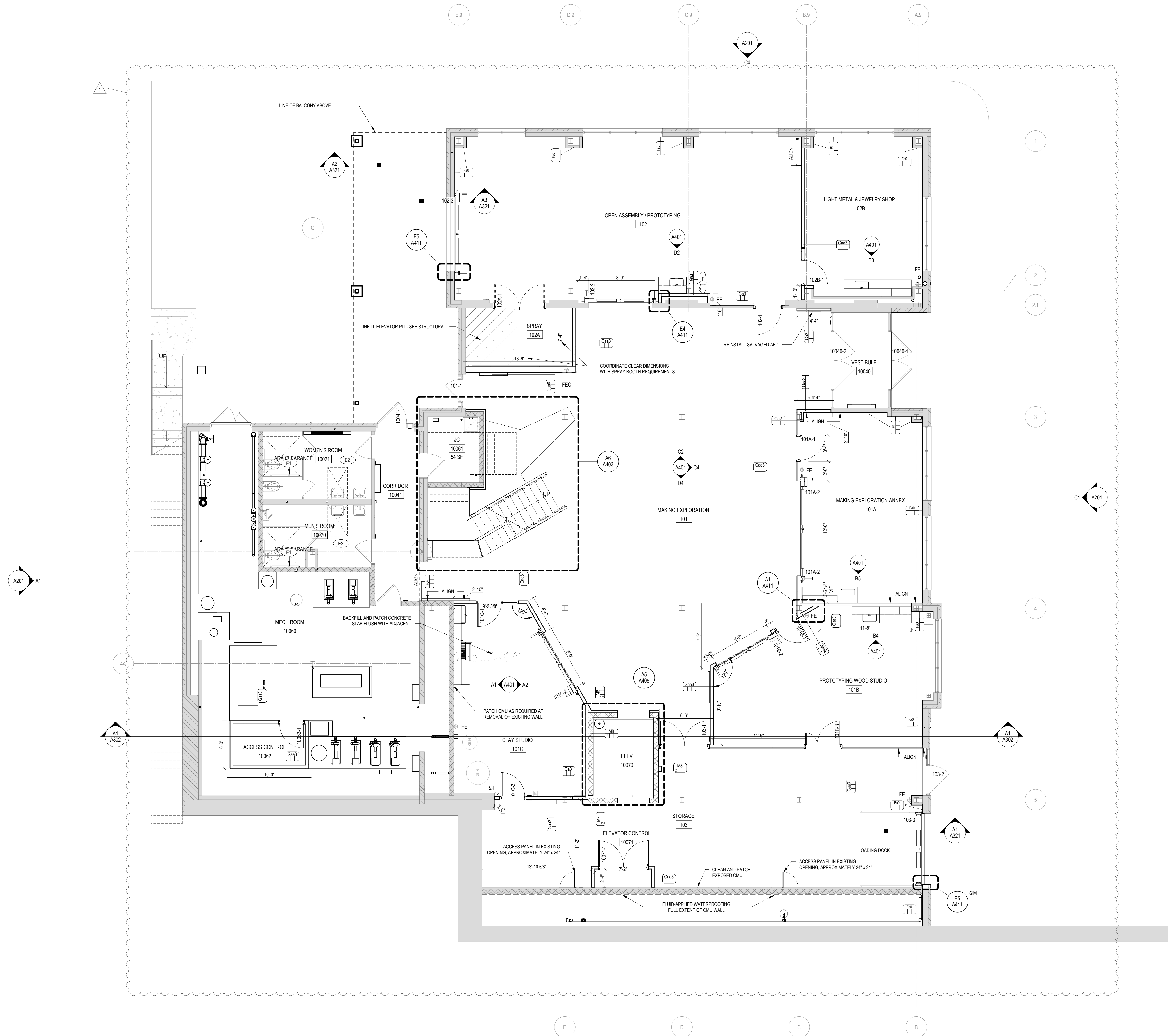
DATE ISSUED: 2026.09.14

DEMOLITION PLAN-
LEVEL 02

AD102R

© 2026 - ASHLEY MCGRAW ARCHITECTS

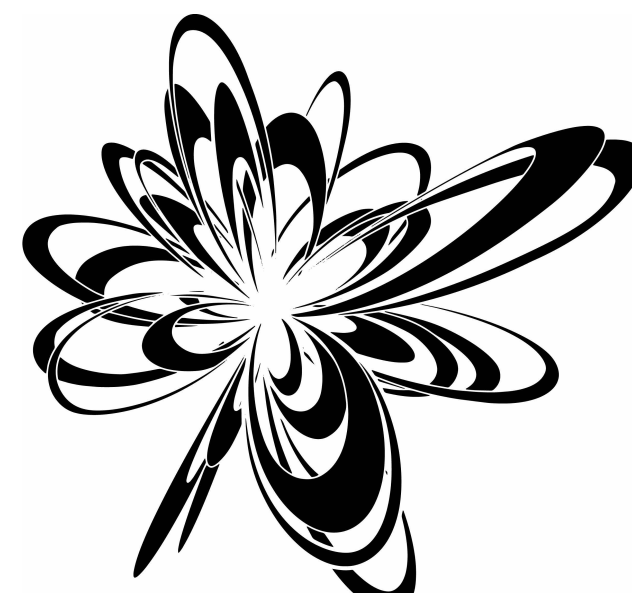
Autodesk Docs: \\Cornell University Beebe Hub Reno\24213_Cornell_Beebe Hall Maker Hub Reno_R25.mt



A1 FLOOR PLAN-OVERALL- LEVEL 01
3/16" = 1'-0"

GENERAL DRAWINGS NOTES	
Key Name	Gen Recon Notes
A	GENERAL NOTES APPLY TO THE INTENDED WORK INCLUDED IN THE CONTRACT DOCUMENTS.
B	EXISTING CONDITIONS AND PERTINENT UTILITIES INDICATED ARE BASED ON FIELD OBSERVATIONS, SURVEYS, AND DOCUMENTATION OF PRIOR CONSTRUCTION, AS AVAILABLE. EXISTING DIMENSIONS INDICATED ARE APPROXIMATE AND SUBJECT TO CONTRACTOR'S VERIFICATION.
C	EXISTING CONDITIONS MAY VARY FROM THOSE INDICATED. NOTIFY THE ARCHITECT IN WRITING OF DISCREPANCIES BETWEEN EXISTING CONDITIONS AND THE CONTRACT DOCUMENTS BEFORE PROCEEDING WITH THE WORK.
D	SHOULD CONFLICTS EXIST WITHIN THE CONSTRUCTION DOCUMENTS, VERIFY INTENT WITH ARCHITECT PRIOR TO BIDDING. CLARIFICATIONS ISSUED AFTER BIDDING SHALL NOT BE BASIS FOR ADDITIONAL COMPENSATION.
E	WHERE SPECIFIC NOTES CONFLICT WITH GENERAL NOTES, THE SPECIFIC NOTES SHALL GOVERN.
F	WHERE NEWLY EXPOSED SURFACES ARE TO REMAIN EXPOSED IN THE COMPLETED WORK, CONTRACTORS SHALL PATCH SURFACES WITH IN-KIND MATERIAL TO LIKE-NEW CONDITION, SUBJECT TO ARCHITECT'S APPROVAL.
G	ITEMS INDICATED FOR REINSTALLATION SHALL INCLUDE TRIM, ACCESSORIES, MOUNTING HARDWARE, ETC., AS WELL AS IN-KIND PATCHING OF ADJACENT CONSTRUCTION DISTURBED DURING REMOVAL.
H	WHEN DURING THE COURSE OF THE WORK, EXISTING CONSTRUCTION INDICATED TO REMAIN IS DAMAGED, THE CONTRACTOR SHALL REPAIR OR REPLACE WITH IN-KIND MATERIAL TO LIKE-NEW CONDITION AT NO EXPENSE TO THE OWNER, AND SUBJECT TO ARCHITECT'S APPROVAL.
I	CONTRACTORS SHALL BE RESPONSIBLE FOR CUTTING, PATCHING, AND TRIMMING REQUIRED TO INTEGRATE WORK WITH ADJACENT NEW WORK OR EXISTING CONDITIONS IN KEEPING WITH THE INTENDED INSTALLATION, DETAILS, AND ASSOCIATED FUNCTIONAL REQUIREMENTS, SUCH AS OPERATIONAL, CLEARANCES OR MAINTENANCE ACCESS FOR EQUIPMENT. VERIFY WITH ARCHITECT SUCH CONDITIONS AND PROPOSED ACCOMMODATIONS PRIOR TO INSTALLATION.
J	IN THE ABSENCE OF DIMENSIONS/LAYOUT OF ITEMS SHALL BE CENTERED IN A SPACE, EVENLY SPACED, ALIGNED WITH ADJACENT CONSTRUCTION, OR OTHERWISE SET TO LOGICAL POINTS. WHERE ITEMS ARE INDICATED IN AN UNUSUAL, OR ASYMMETRICAL MANNER, VERIFY INTENT WITH ARCHITECT BEFORE PROCEEDING WITH WORK.
K	WHERE ADJACENT SURFACES APPEAR FLUSH TO ONE ANOTHER IT IS INTENDED THAT THE FACE OF THE FINISHES ARE ALIGNED UNLESS OTHERWISE INDICATED.
L	REMEDICATION OF UNSATISFACTORY WORK DUE TO FAILURE TO FOLLOW THESE AND OTHER GENERAL NOTES SHALL BE SUBJECT TO ARCHITECT'S APPROVAL, AND AT NO ADDITIONAL COST TO THE OWNER.
M	WHERE A DOOR IS LOCATED ADJACENT TO A PERPENDICULAR WALL, LOCATE THE DOOR WITH SIX (6) INCHES FROM THE FACE OF THE WALL TO THE INSIDE FACE OF THE DOOR FRAME.
N	LAYOUT DIMENSIONS ARE TO FINISH FACE OF WALL ASSEMBLY AS SHOWN ON THE PARTITION SHEET, EXCLUSIVE OF DECORATIVE SURFACES, UNLESS NOTED OTHERWISE.

KEYED NOTES	
E1	INSTALL NEW VERTICAL GRAB BAR; SEE MOUNTING HEIGHT SCHEDULE FOR DIMENSIONS.
E2	INSTALL PIPE WRAP AND OWNER FURNISHED TOILET ROOM ACCESSORIES; SEE MOUNTING HEIGHT SCHEDULE FOR DIMENSIONS. INFILL HOLES AT AREAS OF REMOVAL AS NEEDED.



ASHLEY MCGRAW
125 EAST JEFFERSON STREET
SYRACUSE, NEW YORK 13202
CONSULTANT:

SEA



ARCH NAME	ARCH ##
-----------	---------

OWNER

CORNELL UNIVERSITY
ITHACA, NEW YORK 14853

CORNELL UNIVERSITY

BEEBE HALL CU MAKER HUB RENOVATIONS

10 ARBORETUM RD,
ITHACA, NY 14850

AM JOB NO.

24213

REV. NO.	REV. DATE	REV. DESCRIPTION
1	2025.10.06	ADDENDUM #1

PROJECT STATUS

BID DOCUMENTS

DATE ISSUED _____

2026.09.14

FLOOR PLAN- LEVEL
01

A101R

© 2026 - ASHLEY MCGRAW ARCHITECTS

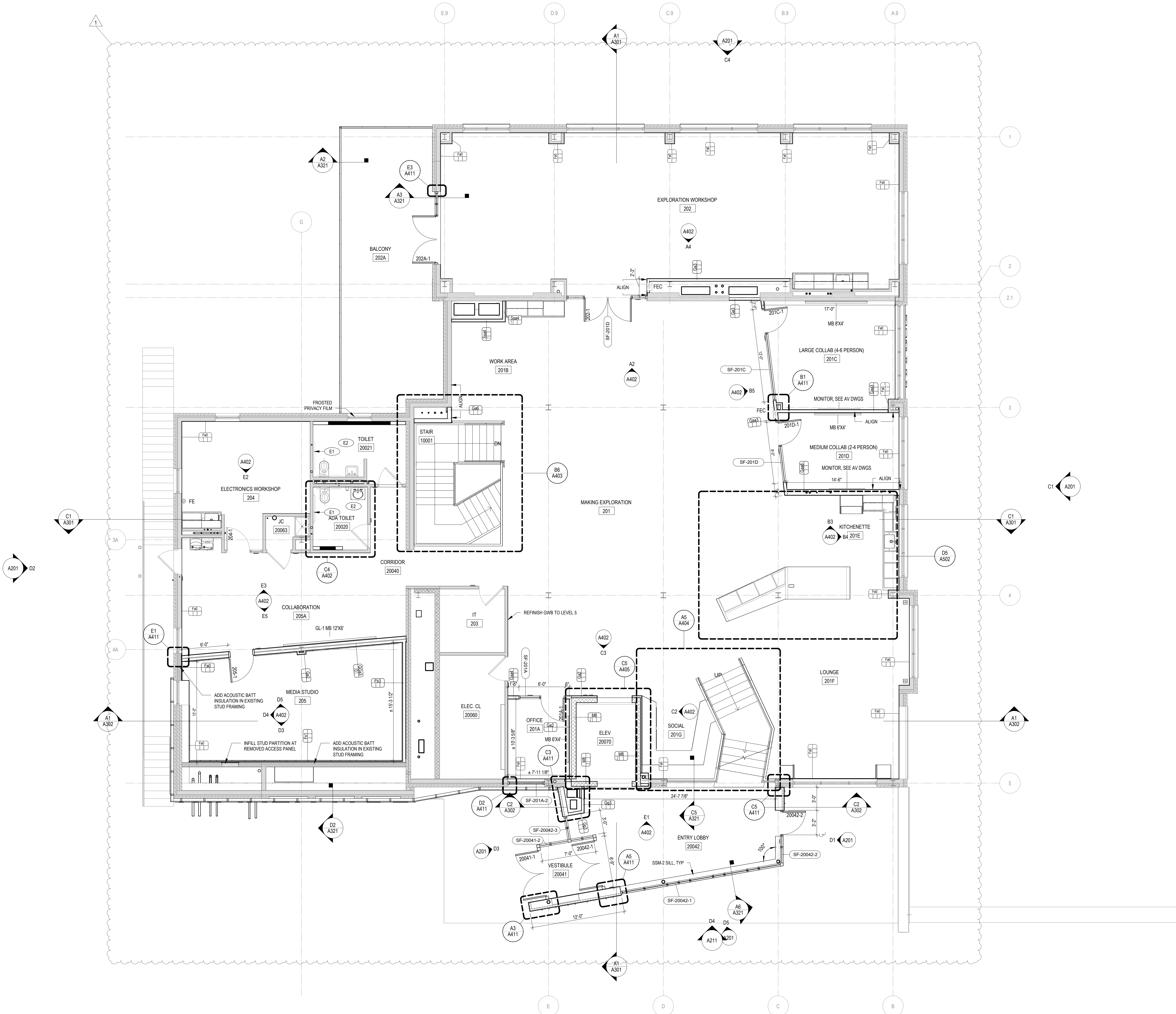
THESE DOCUMENTS WERE PREPARED UNDER THE DIRECT SUPERVISION OF A LICENSED PROFESSIONAL. THE DOCUMENTS AND ALL THE DATA CONTAINED HEREIN ARE THE PROPERTY OF THE ARCHITECT. NO PART OF THESE DOCUMENTS MAY BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, WITHOUT THE WRITTEN PERMISSION OF THE ARCHITECT. ANY VIOLATION OF THIS AGREEMENT MAY BE CAUSE FOR LEGAL ACTION. THE ARCHITECT'S LIABILITY IS LIMITED TO THE DESIGN OF THE PROJECT AND NOT TO THE CONSTRUCTION OF THE PROJECT.

THE LINE DRAWING ABOVE IS EXACTLY THE SAME AS THE ONE SHOWN ABOVE. THE LINE DRAWING ABOVE IS EXACTLY THE SAME AS THE ONE SHOWN ABOVE. THE LINE DRAWING ABOVE IS EXACTLY THE SAME AS THE ONE SHOWN ABOVE.

10/20/2025 12:31:58 PM

\\ashley\docs\Cornell University Beebe Hall Maker Hub Reno\24213_Cornell_Beebe Hall Maker Hub Reno_025.rvt

A1 FLOOR PLAN-OVERALL- LEVEL 02
3/16" = 1'-0"

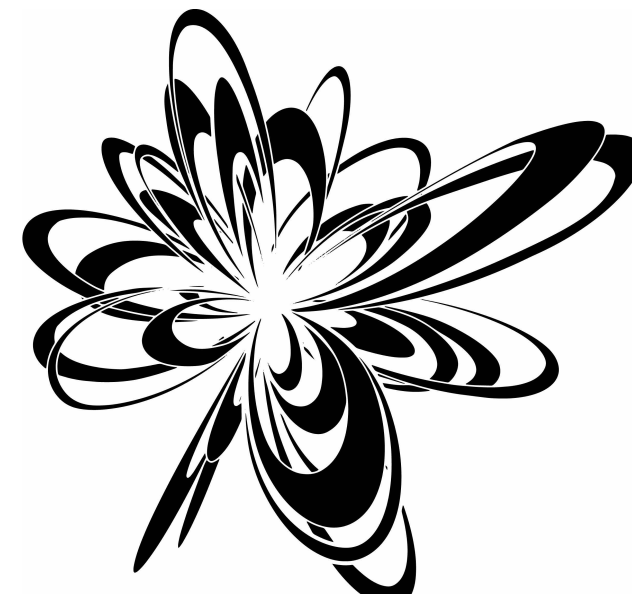


GENERAL DRAWINGS NOTES

Key Name	Gen Recon Notes
A	GENERAL NOTES APPLY TO THE INTENDED WORK INCLUDED IN THE CONTRACT DOCUMENTS.
B	EXISTING CONDITIONS AND PERTINENT UTILITIES INDICATED ARE BASED ON FIELD OBSERVATIONS, SURVEYS, AND DOCUMENTATION OF PRIOR CONSTRUCTION, AS AVAILABLE. EXISTING DIMENSIONS INDICATED ARE APPROXIMATE AND SUBJECT TO CONTRACTOR'S VERIFICATION.
C	EXISTING CONDITIONS MAY VARY FROM THOSE INDICATED. NOTIFY THE ARCHITECT IN WRITING OF DISCREPANCIES BETWEEN EXISTING CONDITIONS AND THE CONTRACT DOCUMENTS BEFORE PROCEEDING WITH THE WORK.
D	SHOULD CONFLICTS EXIST WITHIN THE CONSTRUCTION DOCUMENTS, VERIFY INTENT WITH ARCHITECT PRIOR TO BIDDING. CLARIFICATIONS ISSUED AFTER BIDDING SHALL NOT BE BASIS FOR ADDITIONAL COMPENSATION.
E	WHERE SPECIFIC NOTES CONFLICT WITH GENERAL NOTES, THE SPECIFIC NOTES SHALL GOVERN.
F	WHERE NEWLY EXPOSED SURFACES ARE TO REMAIN EXPOSED IN THE COMPLETED WORK CONTRACTORS SHALL PATCH SURFACES WITH IN-KIND MATERIAL TO LIKE-NEW CONDITION, SUBJECT TO ARCHITECT'S APPROVAL.
G	ITEMS INDICATED FOR REINSTALLATION SHALL INCLUDE TRIM, ACCESSORIES, MOUNTING HARDWARE, ETC., AS WELL AS IN-KIND PATCHING OF ADJACENT CONSTRUCTION DISTURBED DURING REMOVAL.
H	WHEN DURING THE COURSE OF THE WORK, EXISTING CONSTRUCTION INDICATED TO REMAIN IS DAMAGED, THE CONTRACTOR SHALL REPAIR OR REPLACE WITH IN-KIND MATERIAL TO LIKE-NEW CONDITION, AT NO EXPENSE TO THE OWNER, AND SUBJECT TO ARCHITECT'S APPROVAL.
I	CONTRACTORS SHALL BE RESPONSIBLE FOR CUTTING, PATCHING, AND TRIMMING REQUIRED TO INTEGRATE WORK WITH ADJACENT NEW WORK OR EXISTING CONDITIONS IN KEEPING WITH THE INTENDED INSTALLATION, DETAILS, AND ASSOCIATED FUNCTIONAL REQUIREMENTS, SUCH AS OPERATIONAL CLEARANCES OR MAINTENANCE ACCESS FOR EQUIPMENT. VERIFY WITH ARCHITECT SUCH CONDITIONS AND PROPOSED ACCOMMODATIONS PRIOR TO INSTALLATION.
J	IN THE ABSENCE OF DIMENSIONS LAYOUT OF ITEMS SHALL BE CENTERED IN A SPACE, EVENLY SPACED, ALIGNED WITH ADJACENT CONSTRUCTION, OR OTHERWISE SET TO LOGICAL POINTS. WHERE ITEMS ARE INDICATED IN AN UNUSUAL OR ASYMMETRICAL MANNER VERIFY INTENT WITH ARCHITECT BEFORE PROCEEDING WITH WORK.
K	WHERE ADJACENT SURFACES APPEAR FLUSH TO ONE ANOTHER IT IS INTENDED THAT THE FACE OF THE FINISHES ARE ALIGNED UNLESS OTHERWISE INDICATED.
L	REMEDICATION OF UNSATISFACTORY WORK DUE TO FAILURE TO FOLLOW THESE AND OTHER GENERAL NOTES SHALL BE SUBJECT TO ARCHITECT'S APPROVAL, AND AT NO ADDITIONAL COST TO THE OWNER.
M	WHERE A DOOR IS LOCATED ADJACENT TO A PERPENDICULAR WALL, LOCATE THE DOOR WITH SIX (6) INCHES FROM THE FACE OF THE WALL TO THE INSIDE FACE OF THE DOOR FRAME.
N	LAYOUT DIMENSIONS ARE TO FINISH FACE OF WALL ASSEMBLY AS SHOWN ON THE PARTITION SHEET, EXCLUSIVE OF DECORATIVE SURFACES, UNLESS NOTED OTHERWISE.

KEYED NOTES

Key Name	Keyed Notes
E1	INSTALL NEW VERTICAL GRAB BAR. SEE MOUNTING HEIGHT SCHEDULE FOR DIMENSIONS.
E2	INSTALL PIPE WRAP AND OWNER FURNISHED TOILET ROOM ACCESSORIES. SEE MOUNTING HEIGHT SCHEDULE FOR DIMENSIONS. INFILL HOLES AT AREAS OF REMOVAL AS NEEDED.



ASHLEY MCGRAW
125 EAST JEFFERSON STREET
SYRACUSE, NEW YORK 13202

CONSULTANT:

SEAL:



ARCH NAME ARCH #
OWNER:
CORNELL UNIVERSITY
ITHACA, NEW YORK 14853

CORNELL UNIVERSITY
BEEBE HALL CU MAKER HUB RENOVATIONS
110 ARBORETUM RD.,
ITHACA, NY 14850

AN JOB NO:

24213

REV
NO

REV
DATE

REV
DESCRIPTION

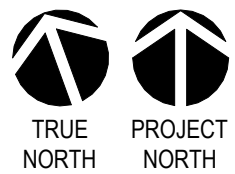
PROJECT STATUS:

BID DOCUMENTS

DATE ISSUED:

2026.09.14

FLOOR PLAN- LEVEL
02



A102R

© 2026 - ASHLEY MCGRAW ARCHITECTS

THESE DOCUMENTS WERE PREPARED UNDER THE DIRECT SUPERVISION OF A LICENSED PROFESSIONAL. THE DOCUMENTS AND ALL THE DETAILS CONTAINED HEREIN ARE THE PROPERTY OF ASHLEY MCGRAW ARCHITECTS, P.C. NO PART OF THESE DOCUMENTS OR ANY OF THE DETAILS CONTAINED HEREIN MAY BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, WITHOUT THE WRITTEN PERMISSION OF ASHLEY MCGRAW ARCHITECTS, P.C. OR ANY OF ITS SUBSIDIARIES. CONSULTANT: ASHLEY MCGRAW ARCHITECTS, P.C.

THE LINE DRAWINGS ARE EXACTLY AS SHOWN, AND THE COLORS ARE NOT TO SCALE. THE COLORS ABOVE ARE COLOR WITH BLACK AND WHITE LETTERS & PRINTED CORRECTLY.

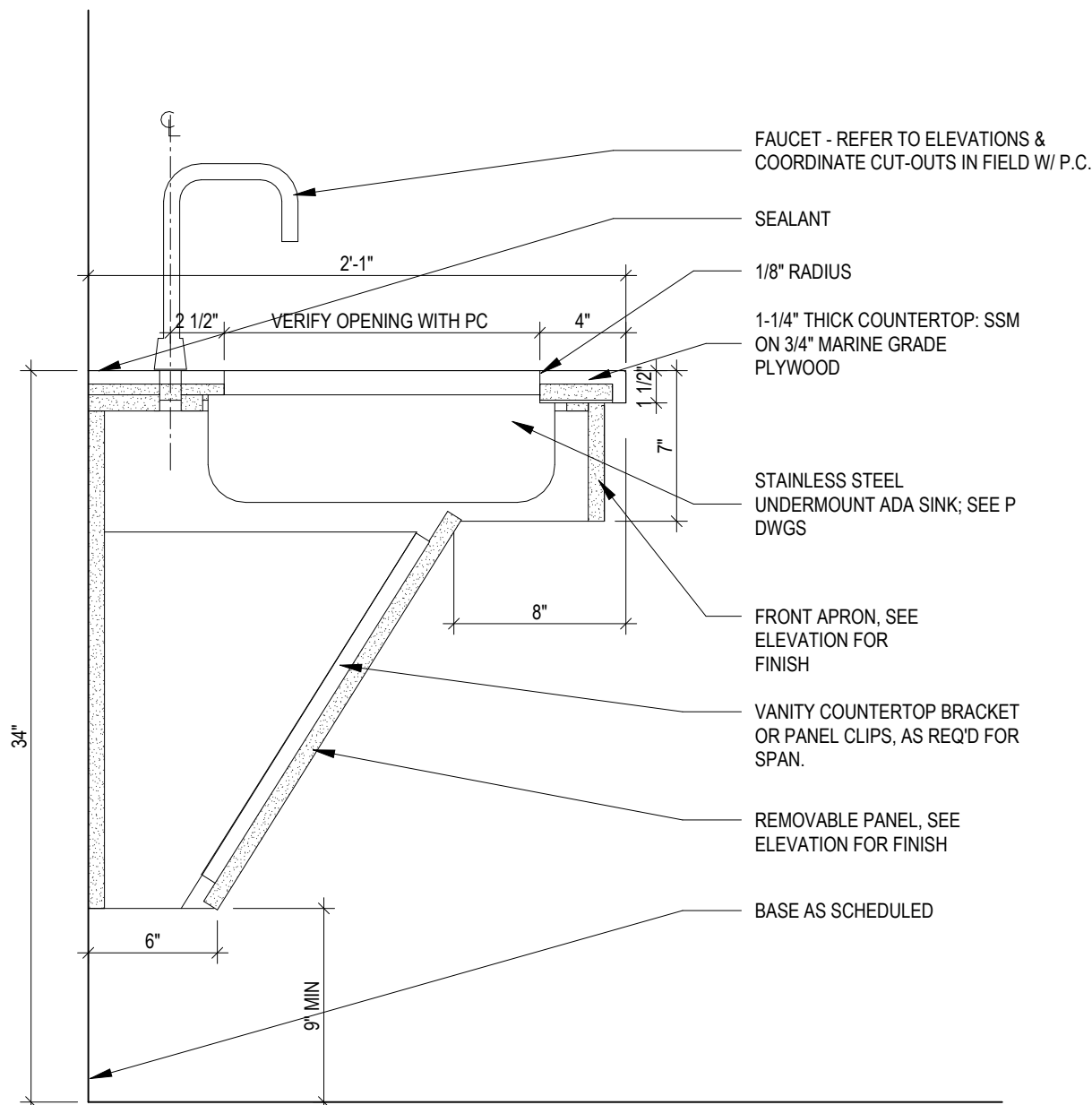
10/20/2026 12:29:36 PM

C

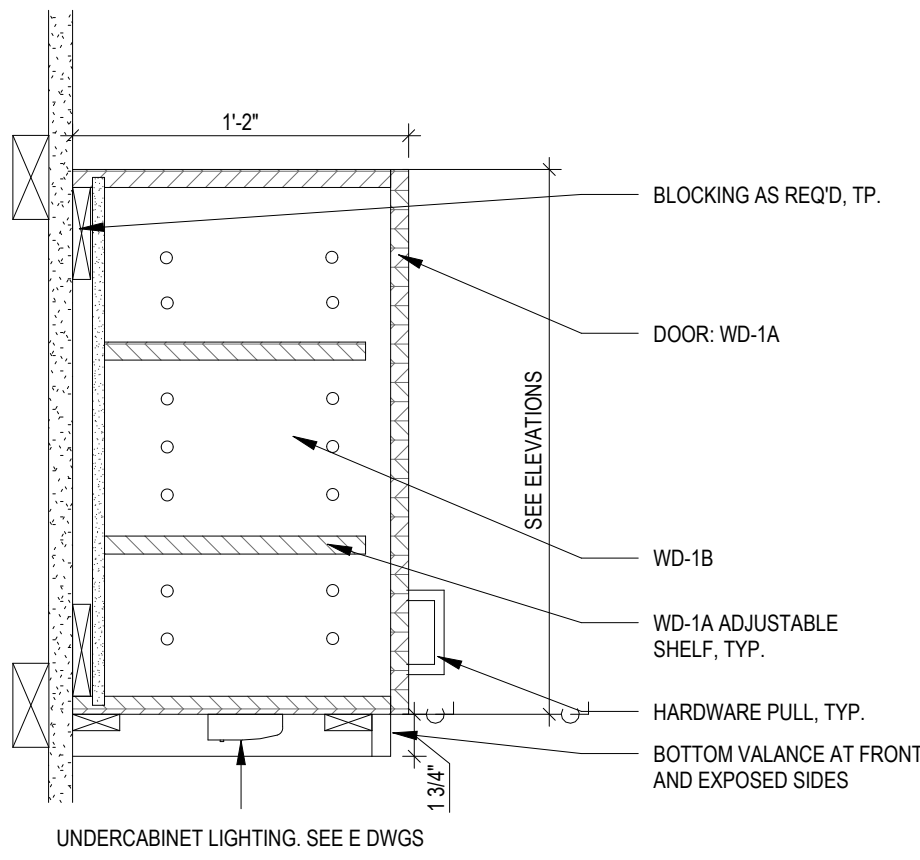
B

A

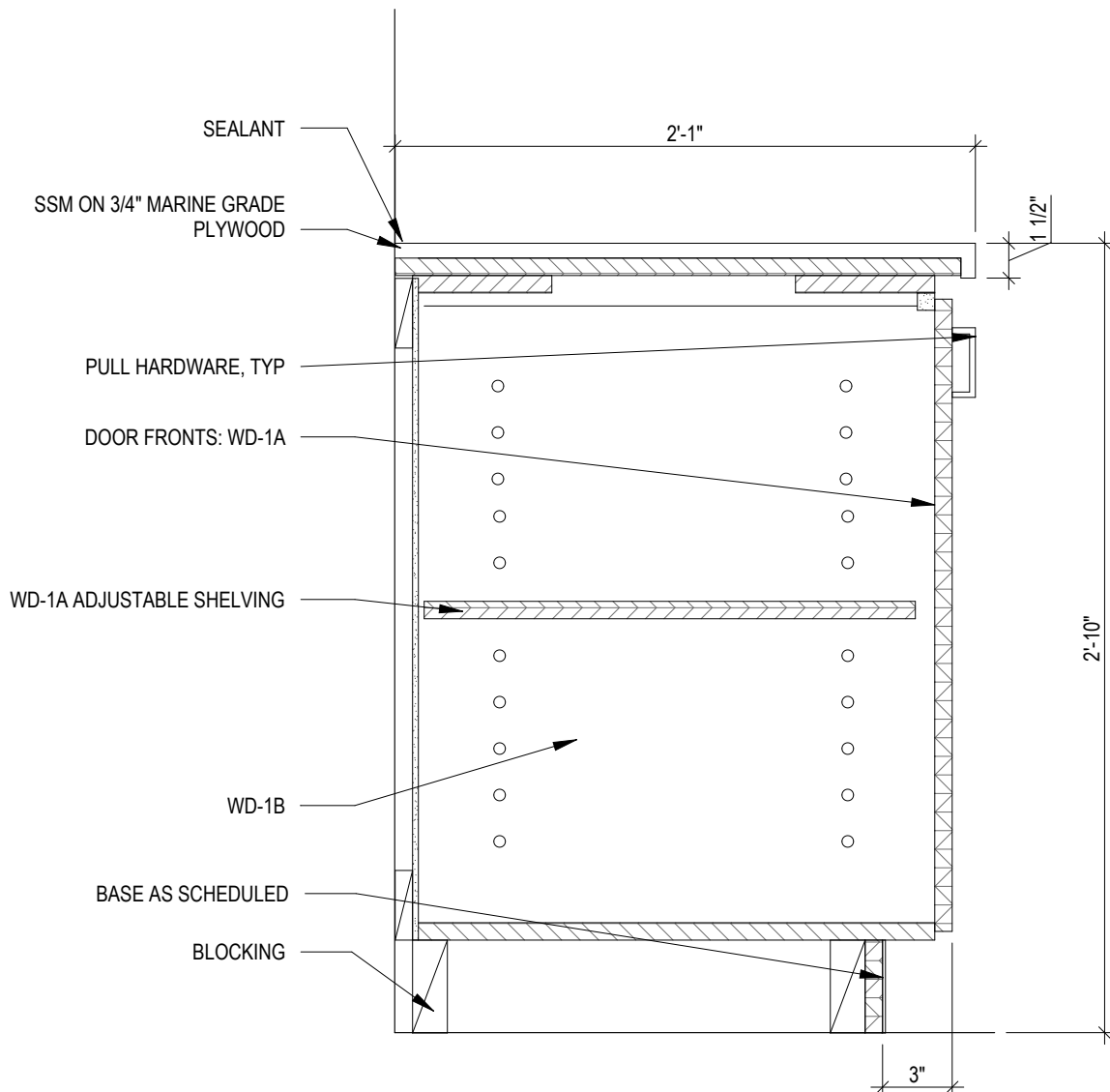
Address: Docs:\Cornell University Beebe Hall Maker Hub Renovation\24213_Cornell_Beebe Hall Maker Hub Reno_025.rvt



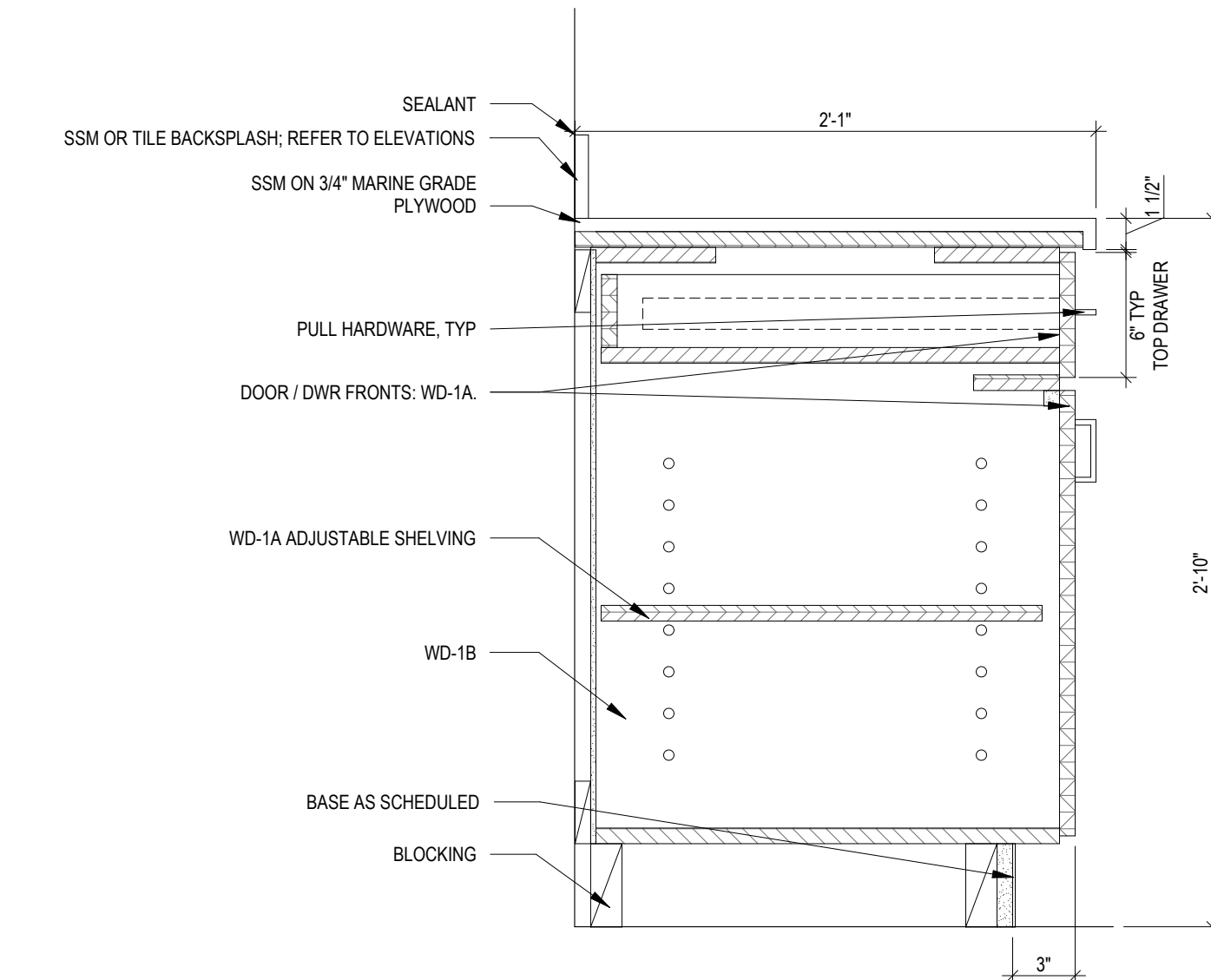
A1 SEC DTL - ADA SINK BASE
1 1/2" = 1'-0"



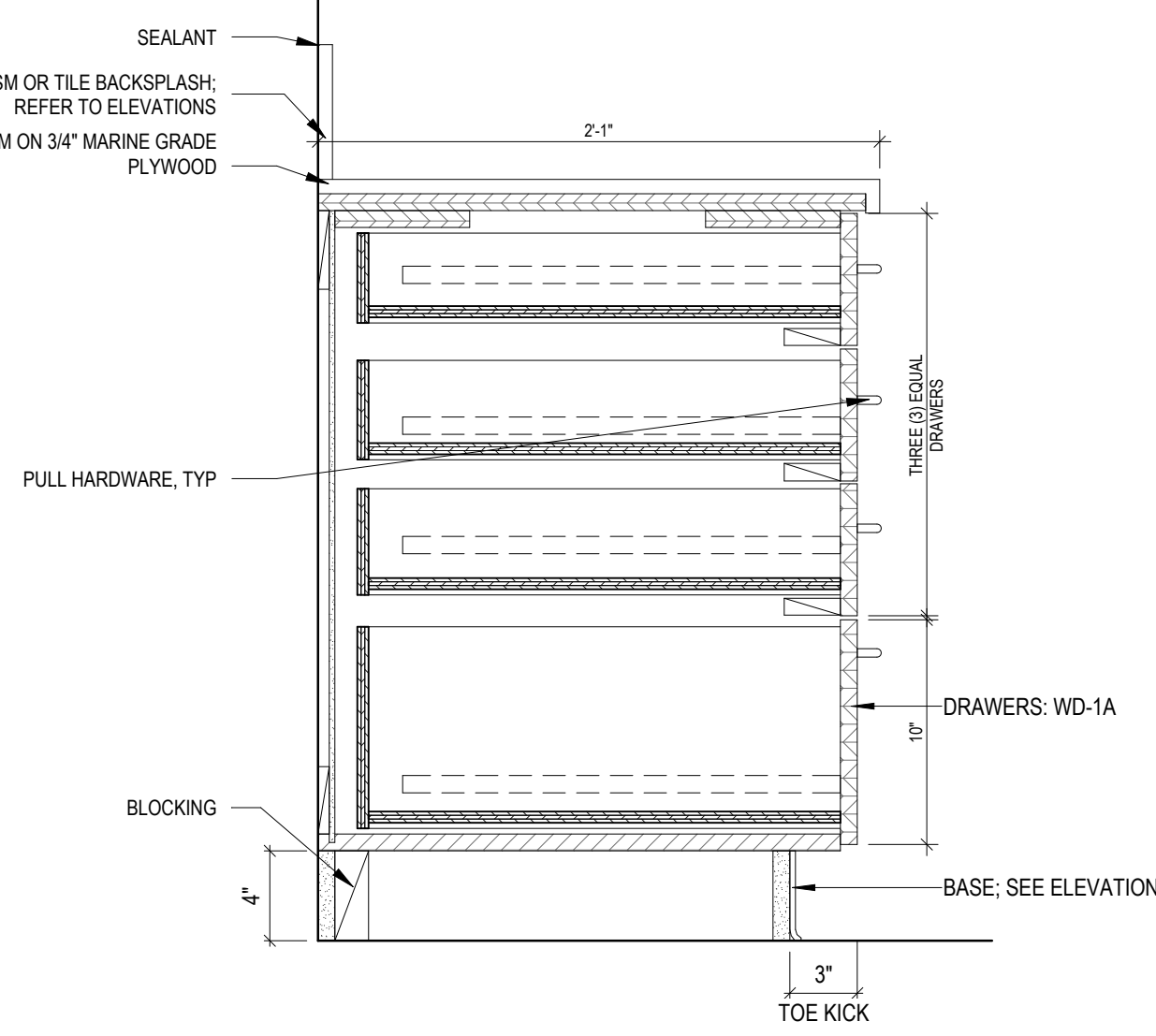
A2 SEC DTL - TYP WALL CABINET
1 1/2" = 1'-0"



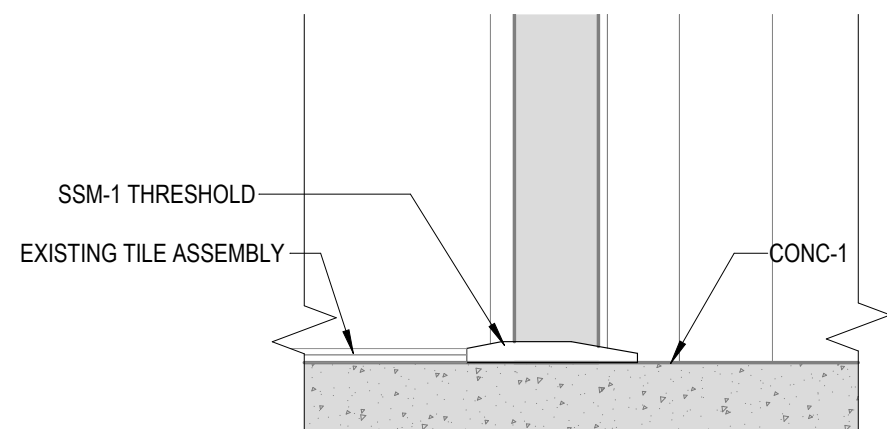
A4 SEC DTL - TYP DR BASE CABINET
1 1/2" = 1'-0"



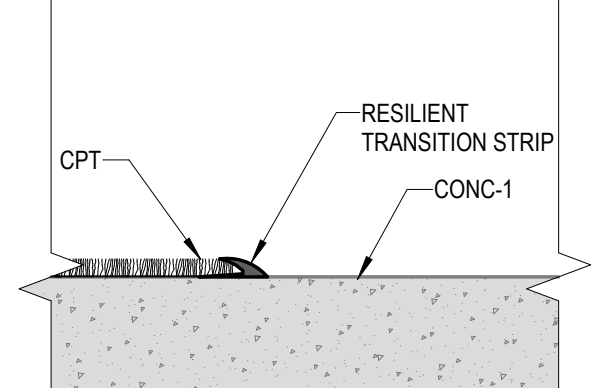
A5 SEC DTL - TYP DWR/DR BASE CABINET
1 1/2" = 1'-0"



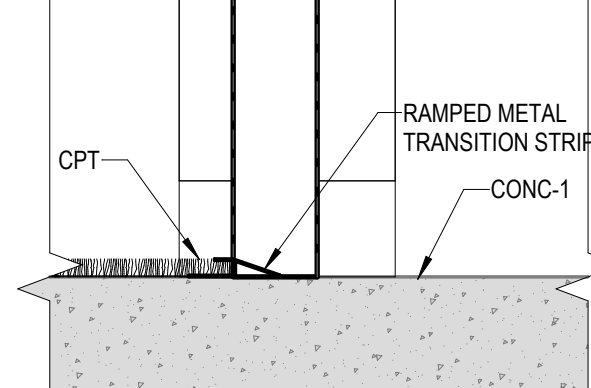
B5 SEC DTL - DWR BASE CABINET
1 1/2" = 1'-0"



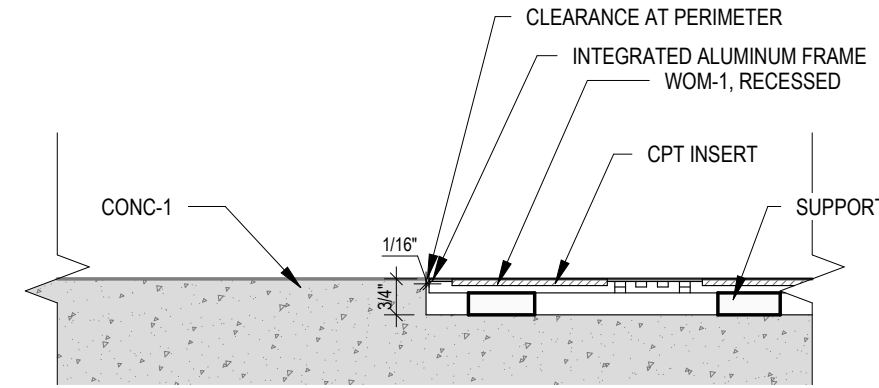
E2 CONC-EXISTING TILE FLOOR TRANSITION - TYP
3" = 1'-0"



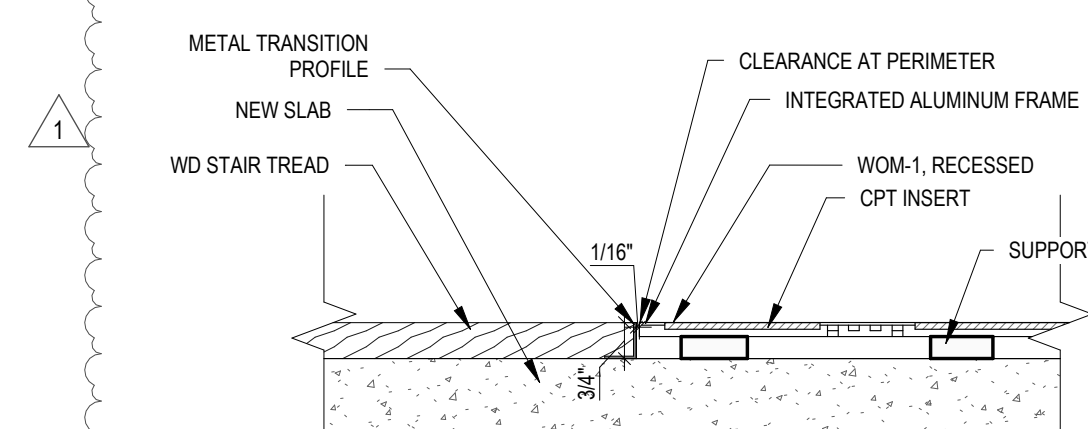
E3 CPT-CONC FLOOR TRANSITION - TYP
3" = 1'-0"



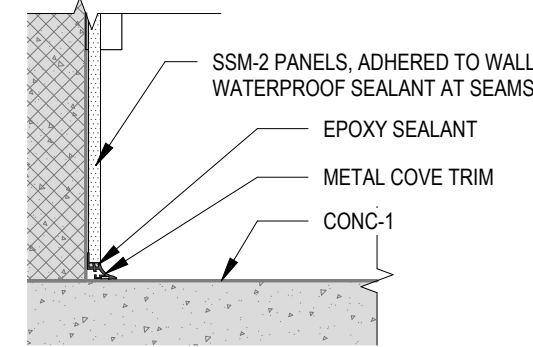
E4 CPT-CONC FLOOR TRANSITION @ DOOR - TYP
3" = 1'-0"



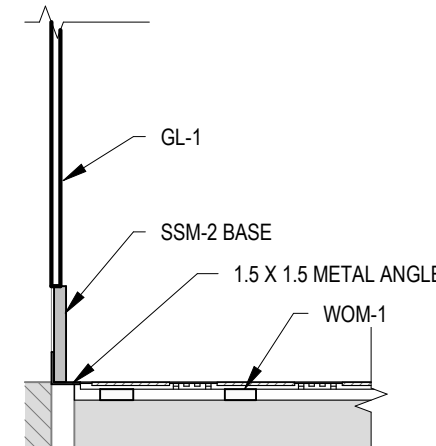
E5 WOM-1 - CONC TRANSITION-TYP
3" = 1'-0"



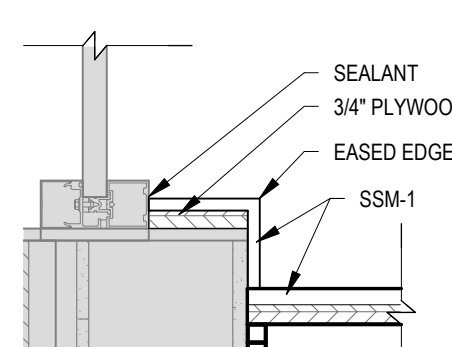
E6 SEC DTL - WOM-1 TO STAIRS
3" = 1'-0"



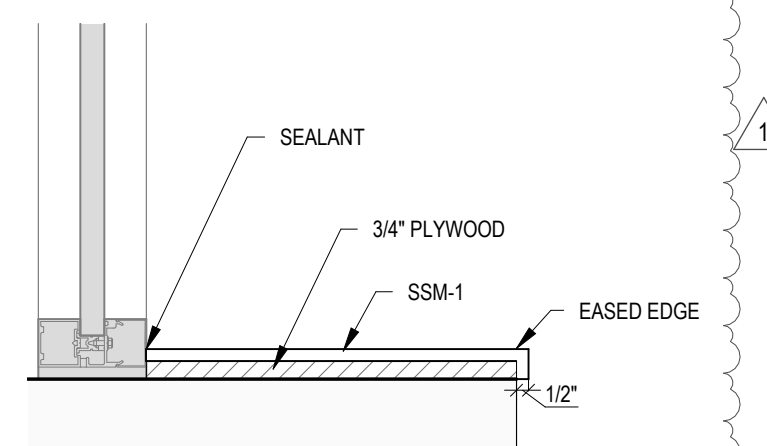
D2 SEC DTL - SSM-2 PANEL TO FLOOR
3" = 1'-0"



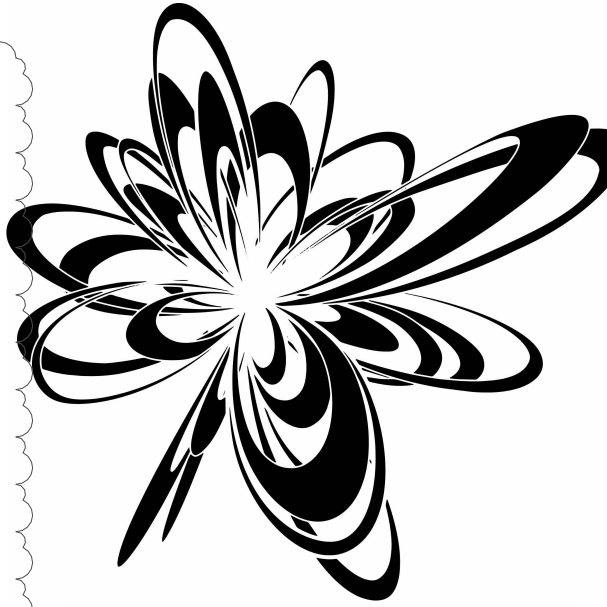
D3 SEC DTL - ENTRY LOBBY JOINT @ ELEVATOR
1 1/2" = 1'-0"



D4 SEC DTL - SSM SILL @ KITCHENETTE
1 1/2" = 1'-0"



D5 SEC DTL - TYP SSM SILL
1 1/2" = 1'-0"



ASHLEY MCGRAW
125 EAST JEFFERSON STREET
SYRACUSE, NEW YORK 13202
CONSULTANT:

SEAL:



ARCH NAME

ARCH #

OWNER:

CORNELL UNIVERSITY
ITHACA, NEW YORK 14853

CORNELL UNIVERSITY
BEEBE HALL CU MAKER HUB RENOVATIONS
110 ARBORETUM RD,
ITHACA, NY 14850

AN JOB NO.:

24213

REV.	DATE	DESCRIPTION
1	2026.09.14	ADDENDUM #1

PROJECT STATUS: BID DOCUMENTS

DATE ISSUED: 2026.09.14

MILLWORK & INTERIOR DETAILS

A501R

© 2026 - ASHLEY MCGRAW ARCHITECTS

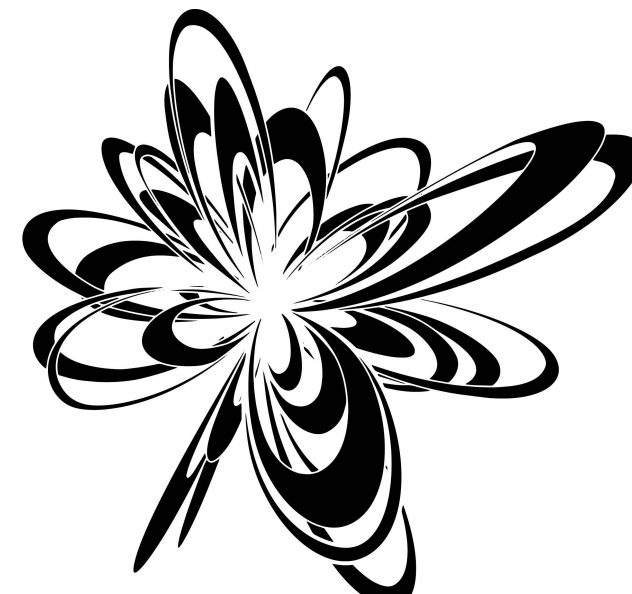
THESE DOCUMENTS WERE PREPARED UNDER THE DIRECT SUPERVISION OF A LICENSED PROFESSIONAL. THE DOCUMENTS AND ALL THE DATA CONTAINED HEREIN ARE THE PROPERTY OF ASHLEY MCGRAW ARCHITECTS. NO PART OF THESE DOCUMENTS OR ANY INFORMATION CONTAINED HEREIN MAY BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT PERMISSION IN WRITING FROM ASHLEY MCGRAW ARCHITECTS. ANY VIOLATION OF THIS AGREEMENT WILL BE PROSECUTED TO THE FULL EXTENT OF THE LAW.

THESE DRAWINGS ARE TO BE USED IN CONJUNCTION WITH THE PROJECT MANUAL.

THE SQUARES ABOVE ARE COLORED WITH BLACK AND WHITE LETTERS. IF PRINTED CORRECTLY, THE SQUARES SHOULD APPEAR AS SHOWN.

10/20/2026 12:21:45 PM

\\bbs01\cadd\cadd\Cornell University\Beebe Hall\Beebe Hub Reno\240488_CU_Beebe_Hub_Reno_P&FP_Cloud_R25.rvt



ASHLEY MCGRAW
125 EAST JEFFERSON STREET
SYRACUSE, NEW YORK 13202

CONSULTANT:



ENGINEERING

By: **Salas O'Brien**

Rochester | Buffalo | Syracuse | Capital District
300 TROCKLEY BLVD. 585.288.5500
ROCHESTER, NY 14607 www.mcgrawengineering.com Project # 240488

SEAL:



Reg. Exp. 04/30/2029
Cert. of Auth. 0018443

OWNER:

CORNELL UNIVERSITY
ITHACA, NEW YORK 14853

CORNELL UNIVERSITY
BEEBE HALL CU MAKER HUB RENOVATIONS
110 ARBORETUM RD.,
ITHACA, NY 14850

AN JOB NO.:

24213

REV.	DATE	DESCRIPTION
1	2026.10.06	ADDENDUM #1

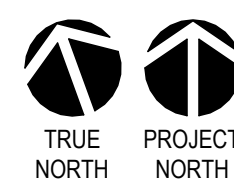
PROJECT STATUS:

BID DOCUMENTS

DATE ISSUED:

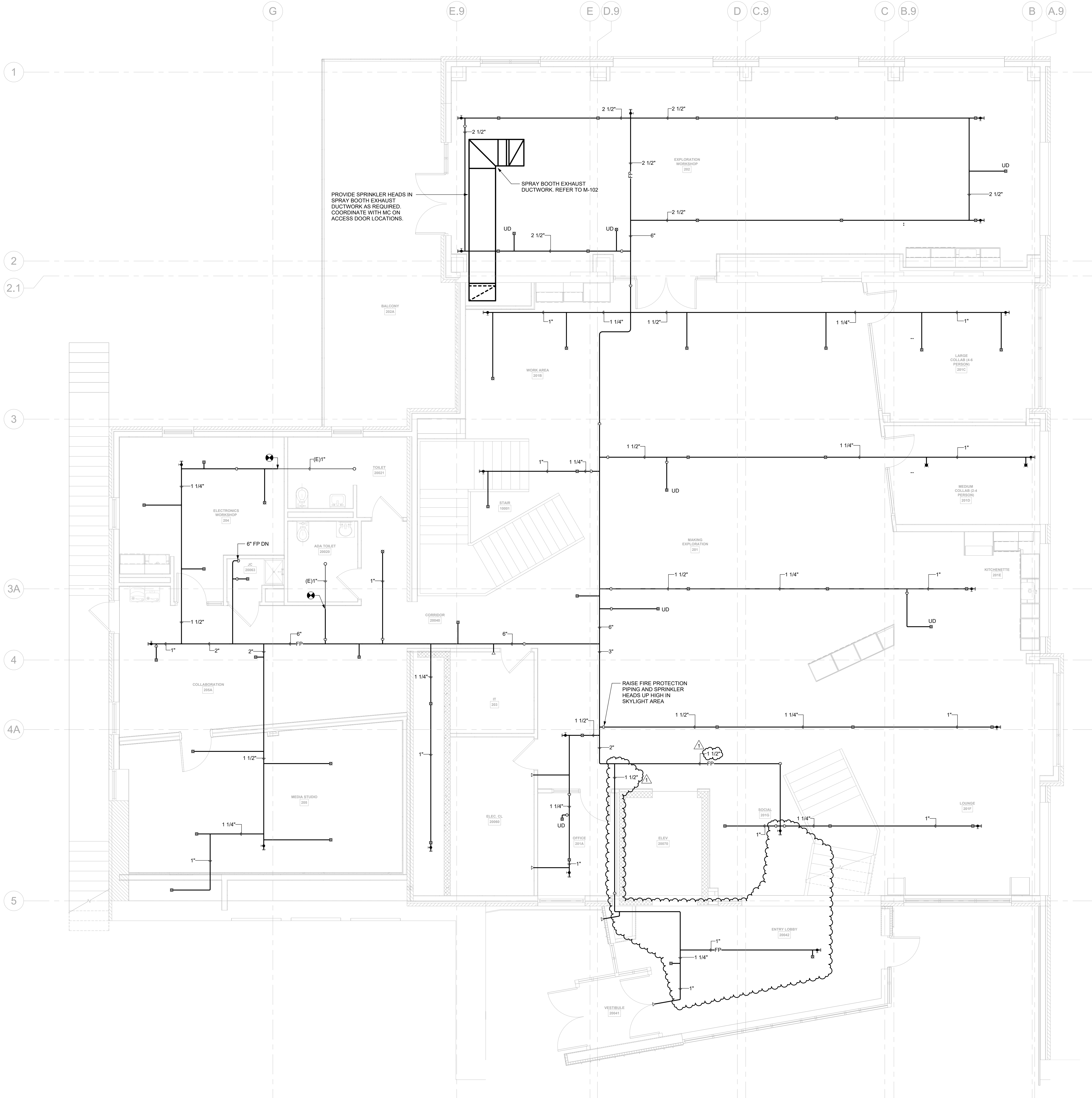
2026.09.14

LEVEL 2 PLAN - FIRE
PROTECTION



FP102R

© 2023 - ASHLEY MCGRAW ARCHITECTS



1 SECOND FLOOR PLAN - FIRE PROTECTION
1/4" = 1'-0"

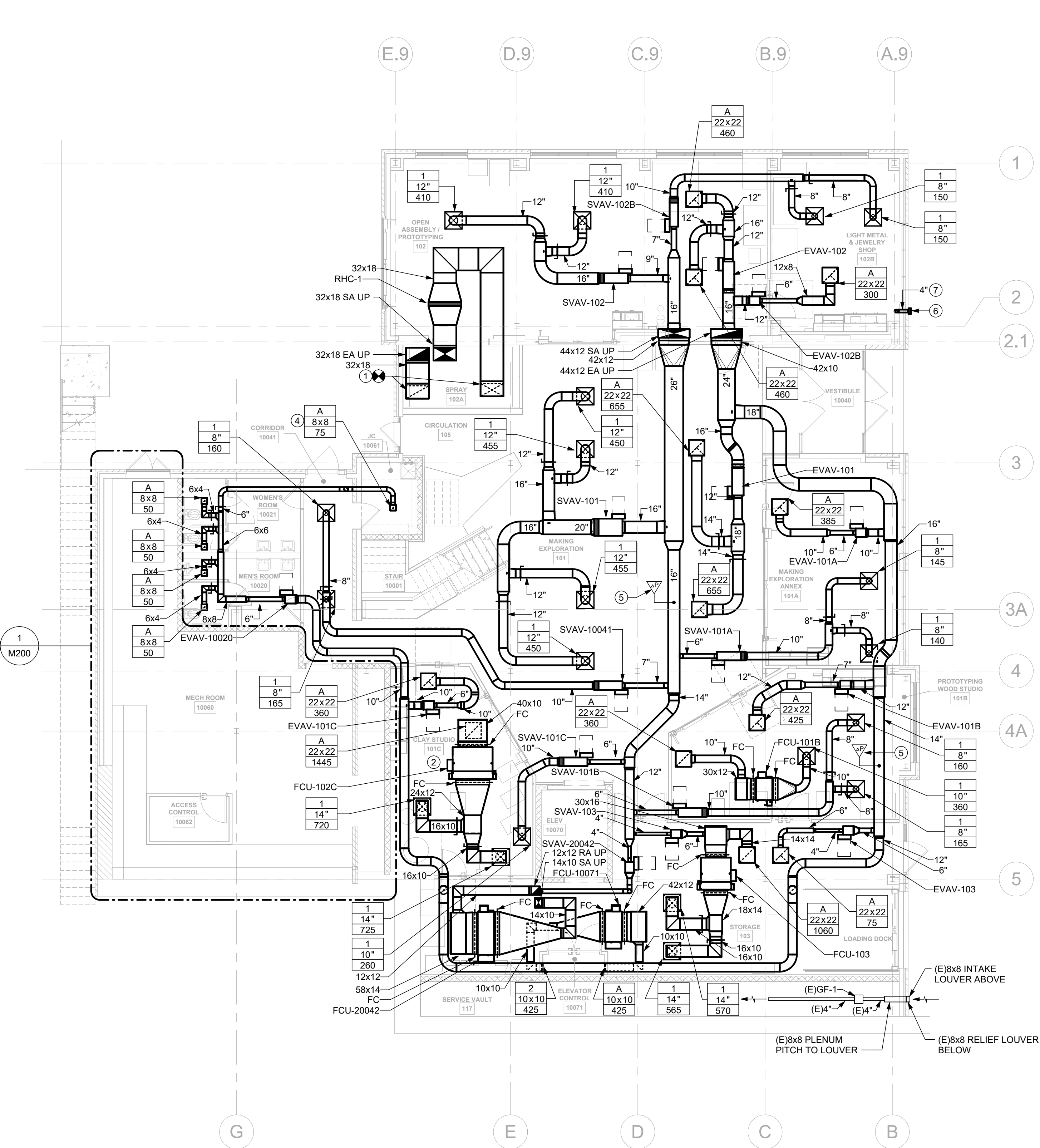
THIS DOCUMENT WAS PREPARED UNDER THE DIRECT SUPERVISION OF A LICENSED PROFESSIONAL ENGINEER. THE DOCUMENT AND ALL THE DATA CONTAINED HEREIN ARE THE PROPERTY OF MCGRAW ENGINEERING. NO PART OF THIS DOCUMENT MAY BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN PERMISSION OF MCGRAW ENGINEERING. ANY UNAUTHORIZED REPRODUCTION OR TRANSMISSION OF THIS DOCUMENT IS A VIOLATION OF THE PROFESSIONAL ENGINEERING ETHICS AND MAY BE SUBJECT TO PENALTY UNDER THE PENNSYLVANIA PROFESSIONAL ENGINEERING ACT, 2000, AND/OR OTHER APPLICABLE LAWS. THE LICENSED ARCHITECT OR ENGINEER IS NOT RESPONSIBLE FOR THE ACCURACY OF THE DATA CONTAINED HEREIN.

THE LINE SHOWN ABOVE IS
EXACTLY AS SHOWN IN THE
FIELD. NO OTHER LINE SIZE

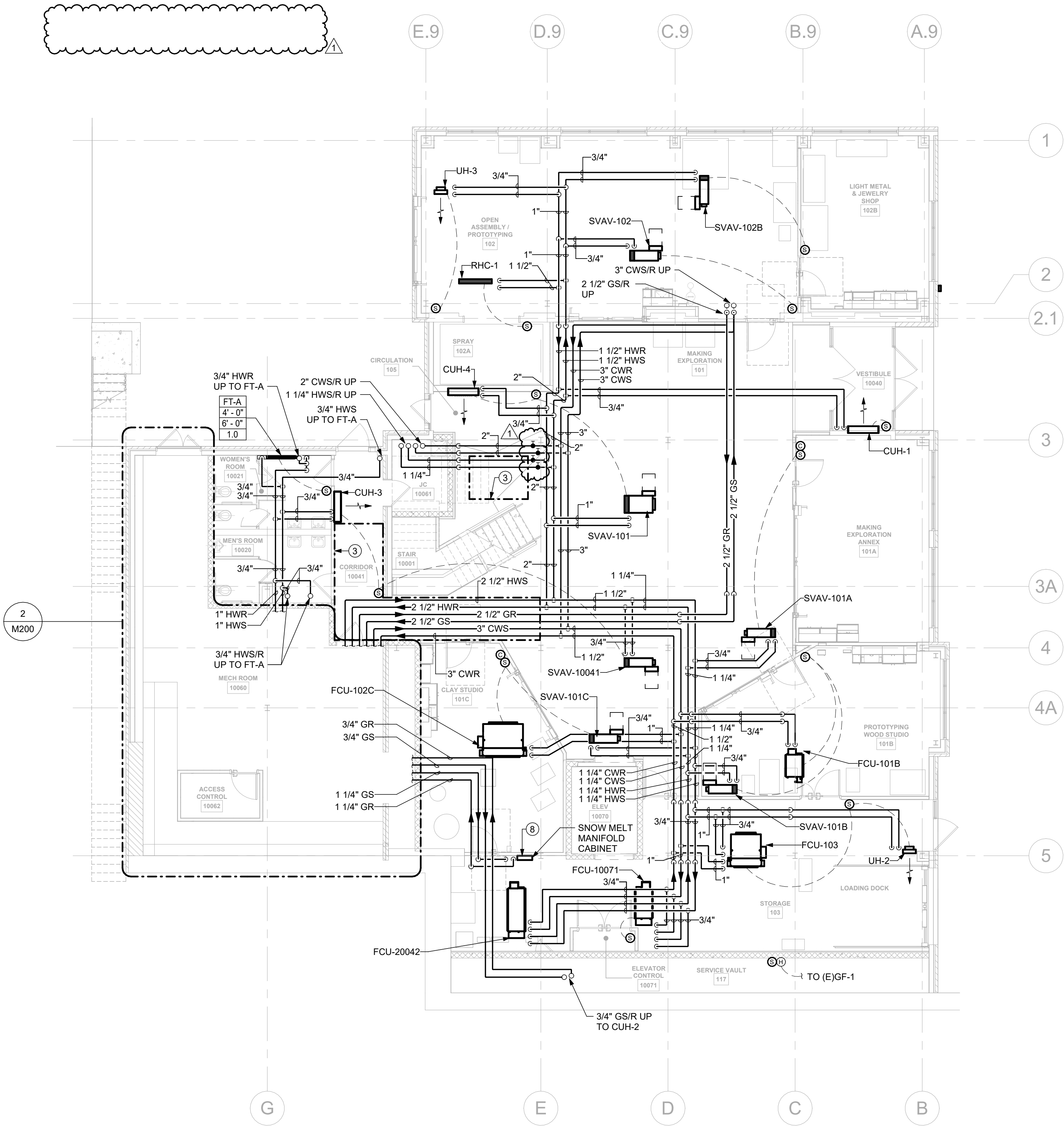
THE SQUARES ABOVE ARE COLORED WITH BLACK
AND WHITE LETTERS & PRINTED CORRECTLY

10/05/2025 3:15:02 PM

Address: Docs: Cornell University Beebe Hall Maker Hub Renovation, HVAC, Mech, Piping, 105-111



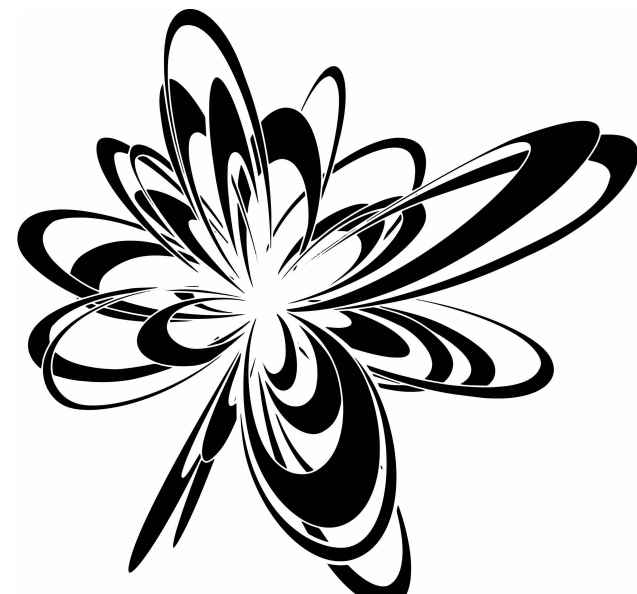
1 FLOOR PLAN - OVERALL - LEVEL 01 - DUCTWORK
1/8" = 1'-0"



2 FLOOR PLAN - OVERALL - LEVEL 01 - PIPING
1/8" = 1'-0"

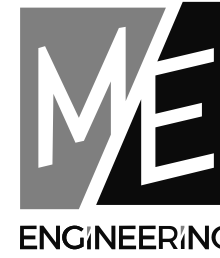
DRAWING NOTES:

- 1 PROVIDE DUCTWORK CONNECTION TO SPRAY BOOTH. SEE MANUFACTURER'S INSTALLATION DOCUMENTS FOR CONNECTION REQUIREMENTS.
- 2 KILN VENTILATION KIT PROVIDED BY OWNER. CONTRACTOR TO INSTALL PER MANUFACTURER'S RECOMMENDATIONS. SEE M200 FOR KILN VENTING DUCTWORK.
- 3 LIGHTING CONTROLS SHALL BE TIED INTO THE BACS. ALL CONTROL WIRING AND BACS COMPONENTS FROM THE ELECTRICAL COMPONENTS (LIGHTS, SENSORS, SWITCHES) TO THE BACS CONTROL PANEL SHALL BE BY DIVISION 23. REFER TO THE E-SERIES DRAWINGS FOR LIGHTING CONTROL REQUIREMENT AND M-SERIES CONTROL SCHEMATICS FOR FURTHER INFORMATION.
- 4 PROVIDE CEILING RADIATION DAMPER. REFER TO SPECIFICATIONS.
- 5 PROVIDE STATIC PRESSURE SENSOR FOR AHU-1 IN LOCATION SHOWN.
- 6 PROVIDE WALL BROWN WALL CAP MODEL 889NS. ARCHITECT TO SELECT PAINT COLOR.
- 7 PROVIDE 4" ALUMINUM DRYER EXHAUST DUCT TO OWNER PROVIDED GLASS KILN VENT MASTER SYSTEM FAN. SEE MANUFACTURER'S MANUAL FOR INSTALLATION INSTRUCTIONS.
- 8 SNOWMELT TUBING TO RUN UP WALL AND IN SLAB ABOVE.



ASHLEY MCGRAW
125 EAST JEFFERSON STREET
SYRACUSE, NEW YORK 13202

CONSULTANT:



ENGINEERING

By: Salas O'Brien

Rochester | Buffalo | Syracuse | Capital District
300 TOLLETT BLVD. 585.268.2500
ROCHESTER, NY 14607 www.mcgrawmccormack.com
Project #: 240489

SEAL:



Reg. Exp. 04/30/2029
Cert. of Auth. 0018443

CORNELL UNIVERSITY
ITHACA, NEW YORK 14853

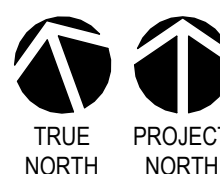
CORNELL UNIVERSITY
BEEBE HALL CU MAKER HUB RENOVATIONS
110 ARBORETUM RD.,
ITHACA, NY 14850

PROJECT NO.: 24213
REV. NO. REV. DATE REV. DESCRIPTION
1 2025.10.01 ADDENDUM #1

PROJECT STATUS:
BID DOCUMENTS

DATE ISSUED:
2026.09.14

FLOOR PLANS - LEVEL
01 - HVAC



M101R

© 2023 - ASHLEY MCGRAW ARCHITECTS

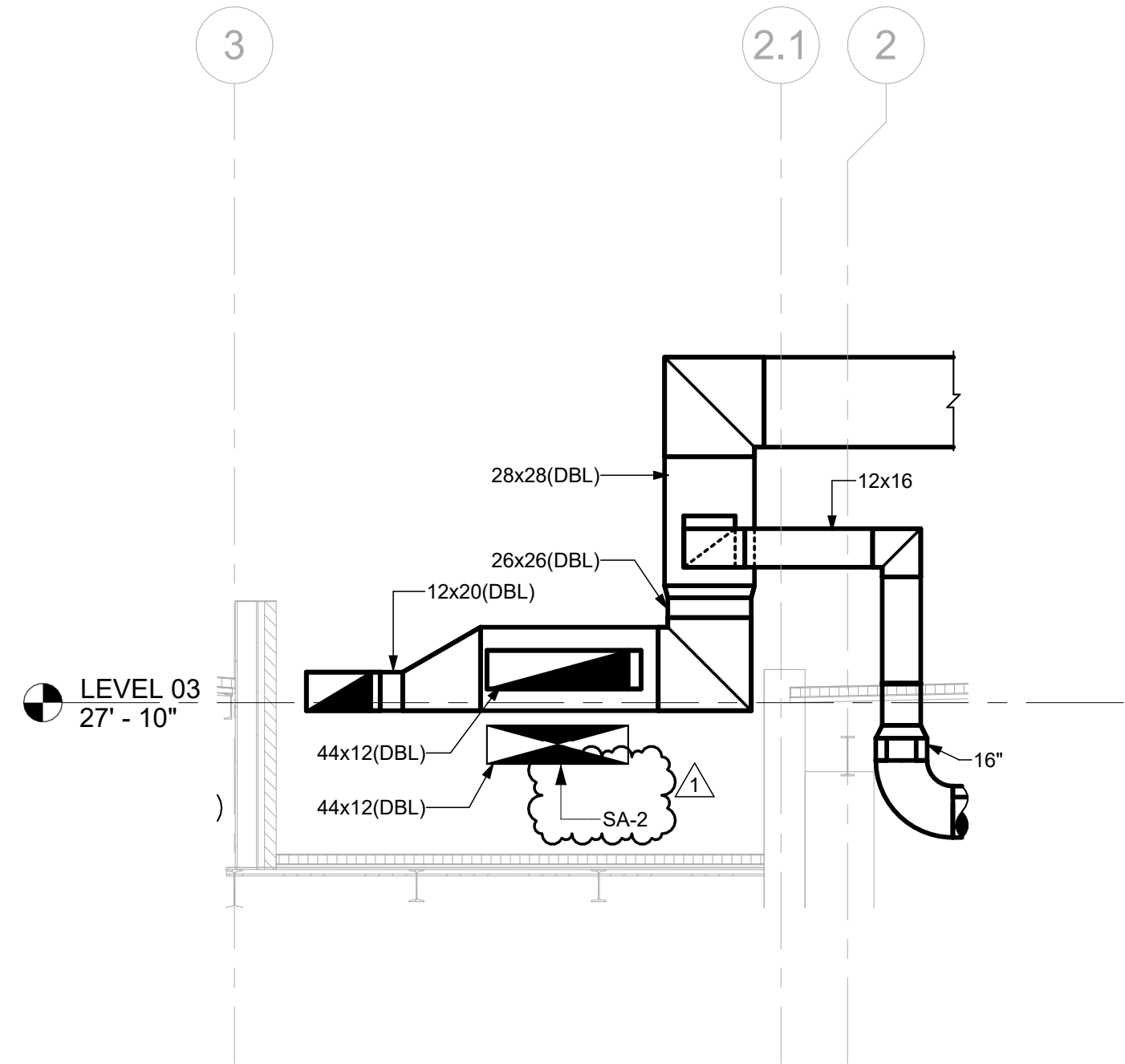
THIS DOCUMENT WAS PREPARED UNDER THE DIRECT SUPERVISION OF A LICENSED PROFESSIONAL ENGINEER. THE DOCUMENT AND ALL THE DATA CONTAINED HEREIN ARE THE PROPERTY OF ASHLEY MCGRAW ARCHITECTS, P.C. NO PART OF THIS DOCUMENT IS TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN PERMISSION OF ASHLEY MCGRAW ARCHITECTS, P.C. ANY UNAUTHORIZED USE OF THIS DOCUMENT IS A VIOLATION OF THE PROFESSIONAL ENGINEERING ETHICS AND MAY BE SUBJECT TO PENALTY UNDER THE PENALTY LAWS OF THE STATE OF NEW YORK. THE DOCUMENT IS THE PROPERTY OF ASHLEY MCGRAW ARCHITECTS, P.C. AND IS TO BE RETURNED TO THE FIRM UPON COMPLETION OF THE PROJECT.

THE LINE SHOWN ABOVE IS
EXACTLY AS SHOWN IN THE
FIELD. NO OTHER SIZE
SHOULD BE USED.

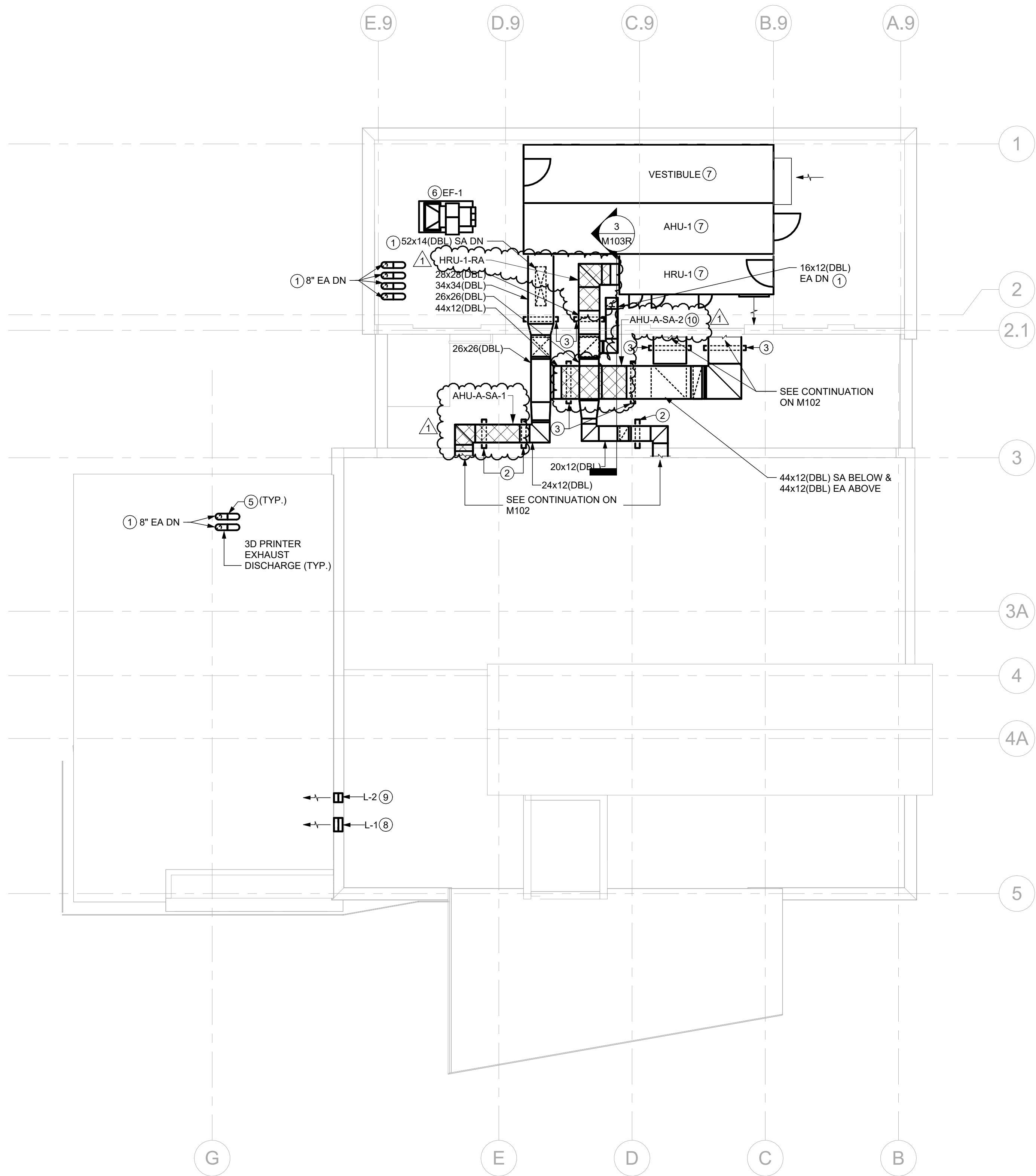
THE SQUARES ABOVE ARE COLORED WITH BLACK
AND WHITE LETTERS & PRINTED CORRECTLY
AND WHITE LETTERS & PRINTED CORRECTLY

10/05/2026 3:15:33 PM

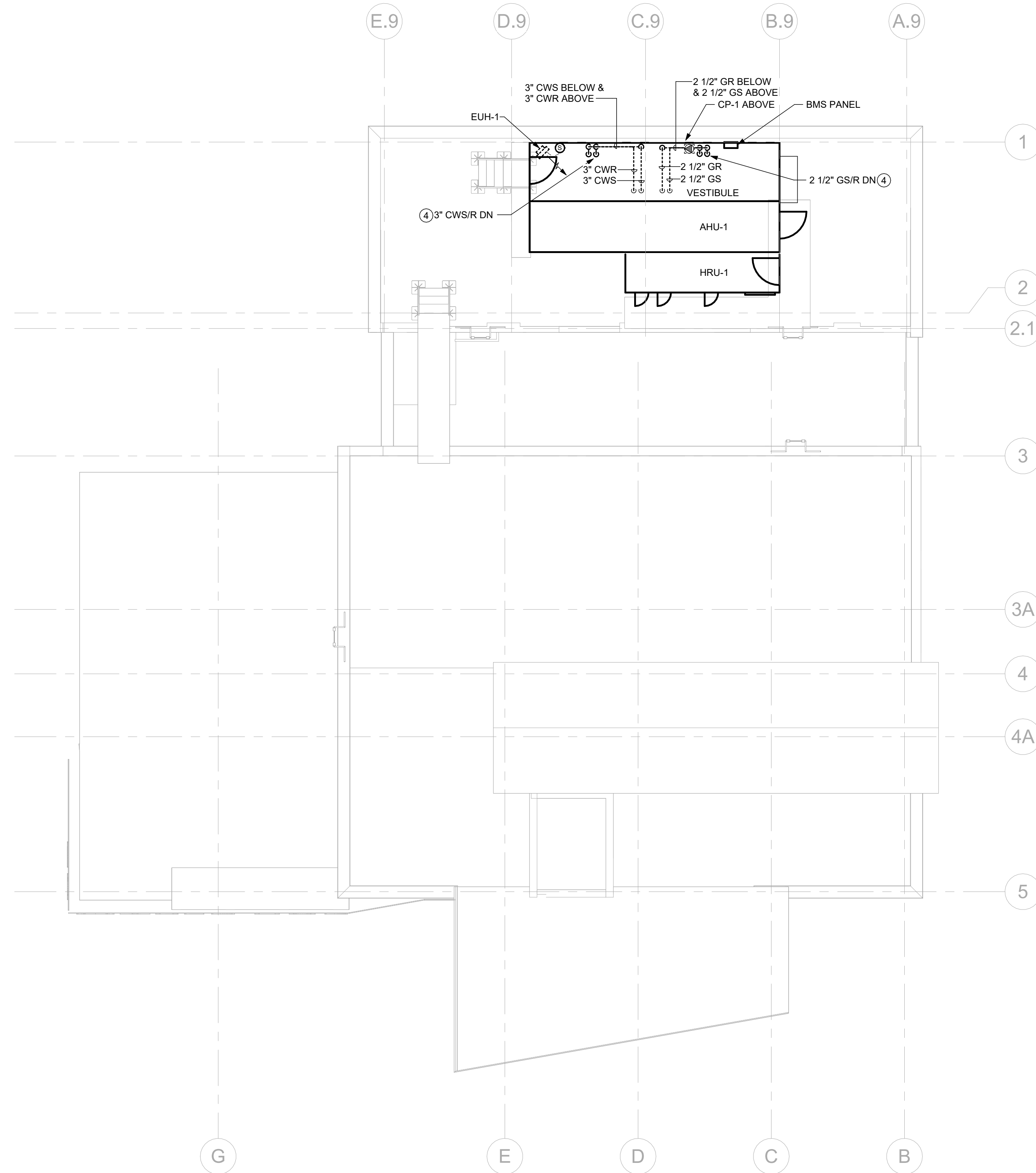
Address: Docs:\Cornell University Beebe Hall Maker Hub Renovation\24488_CU Beebe_Remo_HVAC_Cloud_PDS.rvt



3 SECTION VIEW - PARTIAL ROOF PLAN - DUCTWORK
1/4\" = 1'-0"



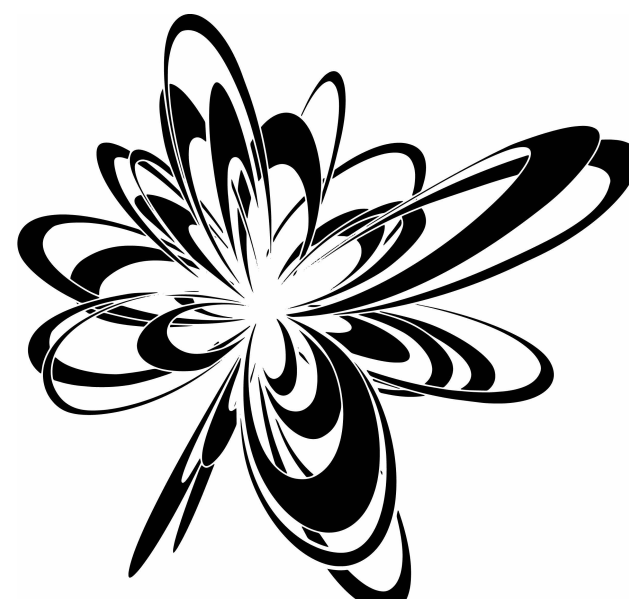
1 ROOF PLAN - OVERALL - DUCTWORK
1/8\" = 1'-0"



2 ROOF PLAN - OVERALL - PIPING
1/8\" = 1'-0"

DRAWING NOTES:

1. PROVIDE DUCTWORK CURB AT PENETRATION. REFER TO DETAILS FOR FURTHER INFORMATION.
2. PROVIDE SIDEWALL DUCTWORK SUPPORTS. REFER TO DETAILS FOR FURTHER INFORMATION.
3. PROVIDE DUCTWORK SUPPORTS. REFER TO DETAILS FOR FURTHER INFORMATION.
4. PROVIDE INSULATED PIPE CURB AT PENETRATION. REFER TO DETAILS FOR FURTHER INFORMATION.
5. REFER TO DETAIL FOR INSTALLATION.
6. PROVIDE EQUIPMENT RAIL. REFER TO DETAIL FOR ROOF MOUNTED FAN SUPPORT.
7. HRU-1, AHU-1 AND VESTIBULE TO BE MOUNTED ON ROOF DUNNAGE.
8. PROVIDE LOUVER FOR COMBINED VENTILATION DUCTWORK FOR KILNS.
9. PROVIDE LOUVER FOR EE-2 DUCTWORK.
10. INSTALL SOUND ATTENUATOR ON 44x12 SUPPLY AIR DUCT.



ASHLEY MCGRAW
125 EAST JEFFERSON STREET
SYRACUSE, NEW YORK 13202

CONSULTANT:



ENGINEERING

By: **Salas O'Brien**

Rochester | Buffalo | Syracuse | Capital District
800 TROLEY BLVD. 585.268.2500
ROCHESTER, NY 14607 www.mcgrawmccormack.com
Project #: 24488

SEAL:



Reg. Exp. 04/30/2029
Cert. of Auth. 0018443

OWNER:

CORNELL UNIVERSITY
ITHACA, NEW YORK 14853

CORNELL UNIVERSITY
BEEBE HALL CU MAKER HUB RENOVATIONS
110 ARBORETUM RD.,
ITHACA, NY 14850

ASB JOB NO.

24213

REV. NO.	REV. DATE	REV. DESCRIPTION
1	2026.10.01	ASSEMBLY #1

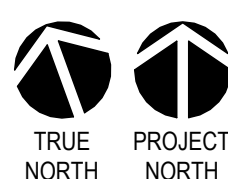
PROJECT STATUS:

BID DOCUMENTS

DATE ISSUED:

2026.09.14

FLOOR PLANS - ROOF -
HVAC



M103R

© 2023 - ASHLEY MCGRAW ARCHITECTS

THIS DOCUMENT WAS PREPARED UNDER THE DIRECT SUPERVISION OF A LICENSED PROFESSIONAL. THE DOCUMENT AND ALL THE DATA CONTAINED HEREIN ARE THE PROPERTY OF ASHLEY MCGRAW ARCHITECTS, P.C. NO PART OF THIS DOCUMENT IS TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN PERMISSION OF ASHLEY MCGRAW ARCHITECTS, P.C. A VIOLATION OF THIS AGREEMENT MAY BE CAUSE FOR IMMEDIATE TERMINATION OF THE AGREEMENT AND WILL BE SUBJECT TO THE DISCRETION OF ASHLEY MCGRAW ARCHITECTS, P.C. A VIOLATION OF THIS AGREEMENT MAY BE CAUSE FOR IMMEDIATE TERMINATION OF THE AGREEMENT AND WILL BE SUBJECT TO THE DISCRETION OF ASHLEY MCGRAW ARCHITECTS, P.C.

THE LINE SHOWN ABOVE IS COLOR WITH BLACK EXACTLY AS SHOWN ABOVE. ALL DIMENSIONS AND WHITE LETTERS & PRINTED CORRECTLY. ALL DIMENSIONS AND WHITE LETTERS & PRINTED CORRECTLY.

THE SQUARE ABOVE IS COLOR WITH BLACK EXACTLY AS SHOWN ABOVE. ALL DIMENSIONS AND WHITE LETTERS & PRINTED CORRECTLY. ALL DIMENSIONS AND WHITE LETTERS & PRINTED CORRECTLY.

10/05/2026 3:15:04 PM

C

1

IT ROOM TWO PIPE FAN COIL CONTROL SCHEMATIC AND SYSTEM SUMMARY

NOT TO SCALE

2

ELECTRICAL ROOM AND ACCESS CONTROL ROOM CONTROL SCHEMATIC AND SYSTEM SUMMARY

NOT TO SCALE

3

PLUMBING MONITORING CONTROL SCHEMATIC AND SYSTEM SUMMARY

NOT TO SCALE

4

5

6

7

8

9

10

11

12

13

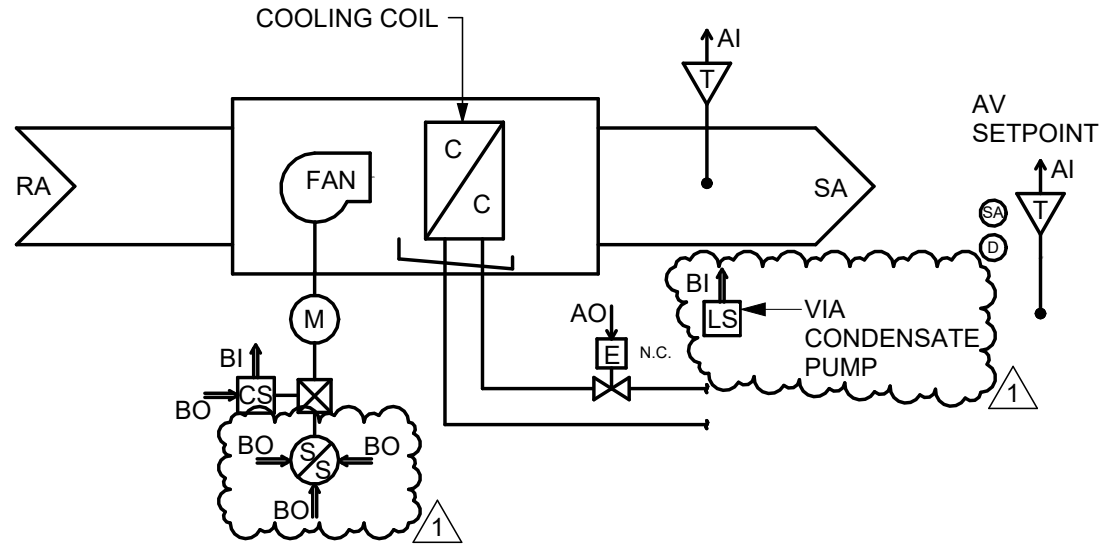
14

15

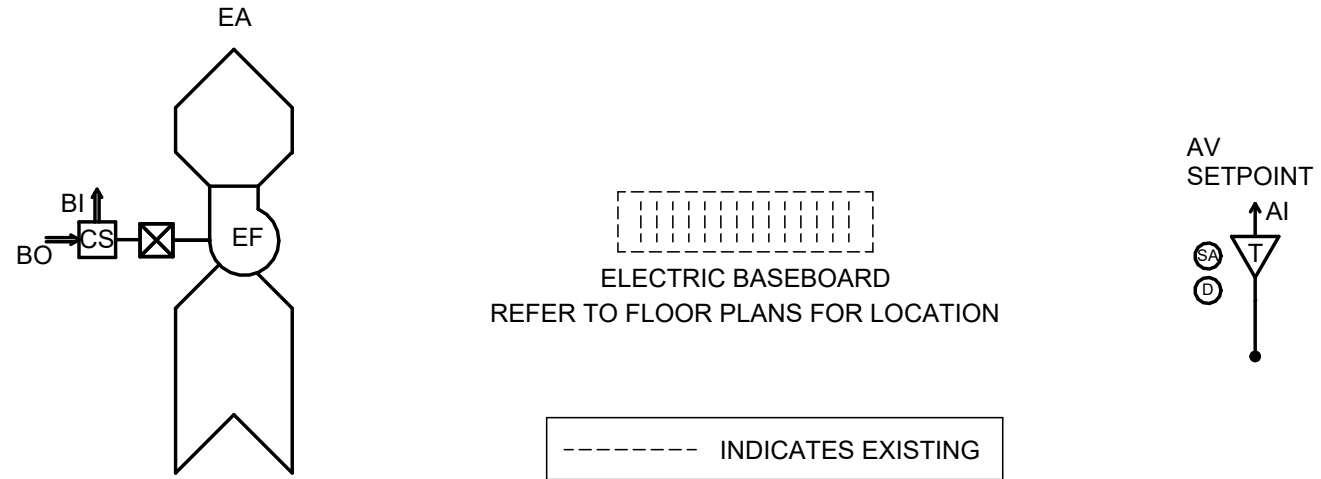
16

17

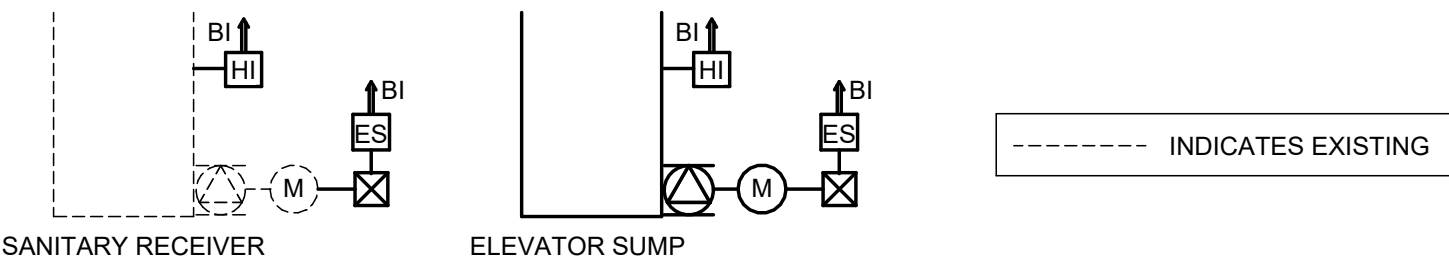
18



POINT SCHEDULE																	
CONTROL POINT NAME	HARDWARE POINTS					SOFTWARE POINTS										SHOWN ON GRAPHIC	NOTES
	BI	BO	AI	AO	AV	BV	SCH	TREND	BACS	EMCS	ALARM						
											DESCRIPTION						
CHILLED WATER LOAD SHED						X (4)										BINARY NETWORK INPUTS FROM EMCS	
FAN COIL UNIT MOTOR STATUS (ON/OFF)	X							X	X						FAILURE	X	
FAN COIL UNIT MOTOR SPEED - LOW		X						X								X	
FAN COIL UNIT MOTOR SPEED - MEDIUM		X						X								X	
FAN COIL UNIT MOTOR SPEED - HIGH		X						X								X	
FAN COIL UNIT COOLING COIL CONTROL VALVE POSITION COMMAND (%)				X													
FAN COIL UNIT DISCHARGE AIR TEMPERATURE / SETPOINT (°F)			X		X			X	X					± 4°F FROM SETPOINT / SENSOR FAILURE	X		
FAN COIL UNIT CONDENSATE OVERFLOW SWITCH STATUS	X							X	X					OVERFLOW	X		
SPACE TEMPERATURE / SETPOINT (°F)			X		X			X	X					± 4°F FROM SETPOINT	X		



POINT SCHEDULE																	
CONTROL POINT NAME	HARDWARE POINTS					SOFTWARE POINTS										SHOWN ON GRAPHIC	NOTES
	BI	BO	AI	AO	AV	BV	SCH	TREND	BACS	EMCS	ALARM						
											DESCRIPTION						
STEAM LOAD SHED						X (6)									BINARY NETWORK INPUTS FROM EMCS		
FAN MOTOR STATUS (ON/OFF)	X							X	X				FAILURE	X			
FAN MOTOR START/STOP		X						X						X			
SPACE TEMPERATURE / SETPOINT (°F)			X		X			X	X				± 4°F FROM SETPOINT	X			



POINT SCHEDULE																
CONTROL POINT NAME	HARDWARE POINTS				SOFTWARE POINTS										SHOWN ON GRAPHIC	NOTES
	BI	BO	AI	AO	AV	BV	SCH	TREND	BACS	ALARM						
										DESCRIPTION						
SANITARY LEVEL	X							X	X		HIGH LEVEL		X			
SEWAGE EJECTOR PUMP (SE-1) STATUS	X							X	X		FAILURE		X	VIA CURRENT SENSOR		
ELEVATOR SUMP LEVEL	X							X	X		HIGH LEVEL		X			
ELEVATOR SUMP PUMP (ESP-1) STATUS	X							X	X		FAILURE		X	VIA CURRENT SENSOR		

SEQUENCE OF OPERATION

SYSTEM DESCRIPTION

2 PIPE FAN COIL UNIT

GENERAL

SYSTEM SHALL BE CONTROLLED THROUGH THE BUILDING AUTOMATION AND CONTROL SYSTEM (BACS).

ALL SETPOINTS SHALL BE ADJUSTABLE.

THE BACS SHALL BE CAPABLE OF STARTING AND STOPPING THE SYSTEM FOR SEVEN DIFFERENT DAILY SCHEDULES PER WEEK.

THE BACS SHALL BE CAPABLE OF RETAINING ITS PROGRAMMING AND TIME SETTING DURING A LOSS OF POWER FOR AT LEAST TEN HOURS.

ALL SAFETIES SHALL BE HARD WIRED INTO THE FAN MOTOR POWER CIRCUIT, AND SHALL REQUIRE MANUAL RESET.

LOAD SHED: REFER TO LOAD SHED MATRICES FOR THE SYSTEM CONTROL REQUIREMENTS FOR NON-RESEARCH SPACES.

SETPOINTS

SPACE COOLING TEMPERATURE SETPOINT: 80°F

MINIMUM SPACE OCCUPANCY INDEX TIME: 30 MINUTES

ZONE TEMPERATURE CONTROL

COOLING: IF THE ZONE TEMPERATURE RISES ABOVE THE COOLING TEMPERATURE SETPOINT, THE FAN COIL UNIT FAN SHALL INDEX TO MINIMUM POSITION AND THE COOLING COIL VALVE SHALL FIRST MODULATE AS REQUIRED TO MAINTAIN SPACE TEMPERATURE SETPOINT. IF THE FAN COIL UNIT CANNOT MAINTAIN SPACE TEMPERATURE SETPOINT WITH THE COOLING COIL CONTROL VALVE AT 100% OPEN, THE FAN COIL SPEED SHALL MODULATE BETWEEN MINIMUM AND MAXIMUM POSITIONS TO MAINTAIN THE SPACE TEMPERATURE SETPOINT.

SEQUENCE OF OPERATION

SYSTEM DESCRIPTION

EXHAUST FAN
ELECTRIC BASEBOARD HEATER (WHERE APPLICABLE)

GENERAL

SYSTEM SHALL BE CONTROLLED THROUGH THE BUILDING AUTOMATION AND CONTROL SYSTEM (BACS).

ALL SETPOINTS SHALL BE ADJUSTABLE.

THE BACS SHALL BE CAPABLE OF STARTING AND STOPPING THE SYSTEM FOR SEVEN DIFFERENT DAILY SCHEDULES PER WEEK.

THE BACS SHALL BE CAPABLE OF RETAINING ITS PROGRAMMING AND TIME SETTING DURING A LOSS OF POWER FOR AT LEAST TEN HOURS.

ALL SAFETIES SHALL BE HARD WIRED INTO THE FAN MOTOR POWER CIRCUIT, AND SHALL REQUIRE MANUAL RESET.

LOAD SHED: REFER TO LOAD SHED MATRICES FOR THE SYSTEM CONTROL REQUIREMENTS FOR NON-RESEARCH SPACES.

SETPOINTS

SPACE COOLING TEMPERATURE SETPOINTS:

OCCUPIED: 75°F
UNOCCUPIED: 81°F

SPACE HEATING TEMPERATURE SETPOINTS (WHERE APPLICABLE)

OCCUPIED: 70°F
UNOCCUPIED: 64°F

SPACE OCCUPANCY

ZONE OCCUPANCY SHALL BE DETERMINED BASED ON AN OCCUPANCY SENSOR.

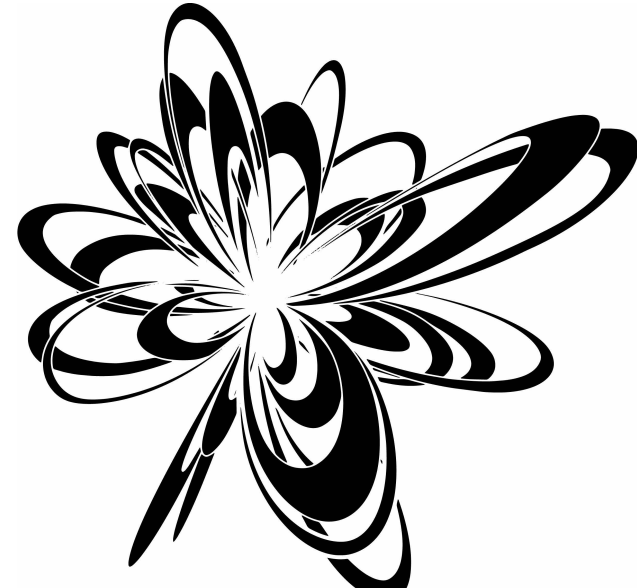
ZONE TEMPERATURE CONTROL

OCCUPIED HEATING: IF THE SPACE IS OCCUPIED AND IF THE ZONE TEMPERATURE FALLS BELOW THE OCCUPIED HEATING TEMPERATURE SETPOINT, THE BASEBOARD HEATER SHALL ENERGIZE TO MAINTAIN SPACE TEMPERATURE SETPOINT.

OCCUPIED COOLING: IF THE SPACE IS OCCUPIED AND THE ZONE TEMPERATURE RISES ABOVE THE OCCUPIED COOLING TEMPERATURE SETPOINT, THE EXHAUST FAN SHALL INDEX ON AND THE BASEBOARD HEATER SHALL INDEX OFF.

UNOCCUPIED HEATING SETBACK: WHEN THE SPACE IS UNOCCUPIED AND THE ZONE TEMPERATURE FALLS BELOW THE UNOCCUPIED HEATING TEMPERATURE SETPOINT, THE ABOVE OCCUPIED HEATING SEQUENCE SHALL APPLY. THE SPACE SHALL BE MAINTAINED AT THE UNOCCUPIED TEMPERATURE SETPOINTS.

UNOCCUPIED COOLING SETBACK: WHEN THE SPACE IS UNOCCUPIED AND THE ZONE TEMPERATURE RISES ABOVE THE UNOCCUPIED COOLING TEMPERATURE SETPOINT, THE ABOVE OCCUPIED COOLING SEQUENCE SHALL APPLY. THE SPACE SHALL BE MAINTAINED AT THE UNOCCUPIED TEMPERATURE SETPOINTS.



ASHLEY MCGRAW
125 EAST JEFFERSON STREET
SYRACUSE, NEW YORK 13202

CONSULTANT:



ENGINEERING

By: **Salas O'Brien**

Rochester | Buffalo | Syracuse | Capital District
500 TROTTER BLVD. 580.288.0000
ROCHESTER, NY 14607 www.mcgrawmccormack.com
Project #: 244889

SEAL:



Reg. Exp: 04/30/2029
Cert. of Auth: 0018443

OWNER:

CORNELL UNIVERSITY
ITHACA, NEW YORK 14853

CORNELL UNIVERSITY
BEEBE HALL CU MAKER HUB RENOVATIONS
110 ARBORETUM RD.,
ITHACA, NY 14850

PROJ. JOB NO.:

24213

REV. NO. REV. DATE REV. DESCRIPTION
1 2026.10.01 ADDENDUM #1

PROJECT STATUS:

BID DOCUMENTS

DATE ISSUED:

2026.09.14

CONTROL
SCHEMATICS AND
SYSTEM SUMMARIES

M308R

© 2023 - ASHLEY MCGRAW ARCHITECTS

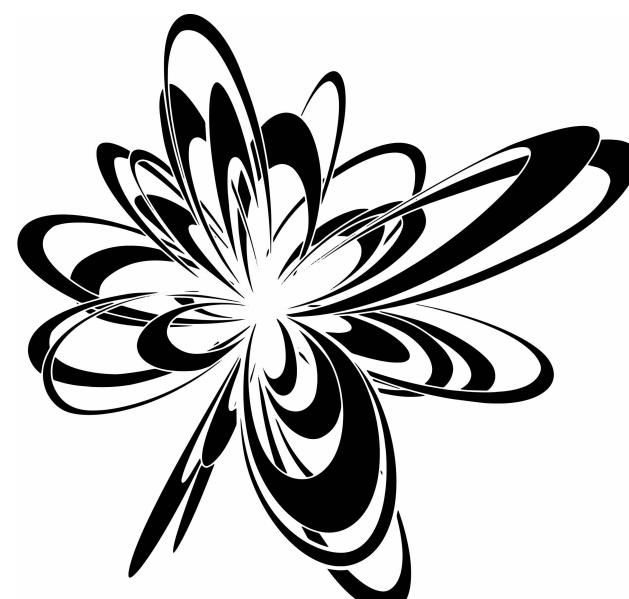
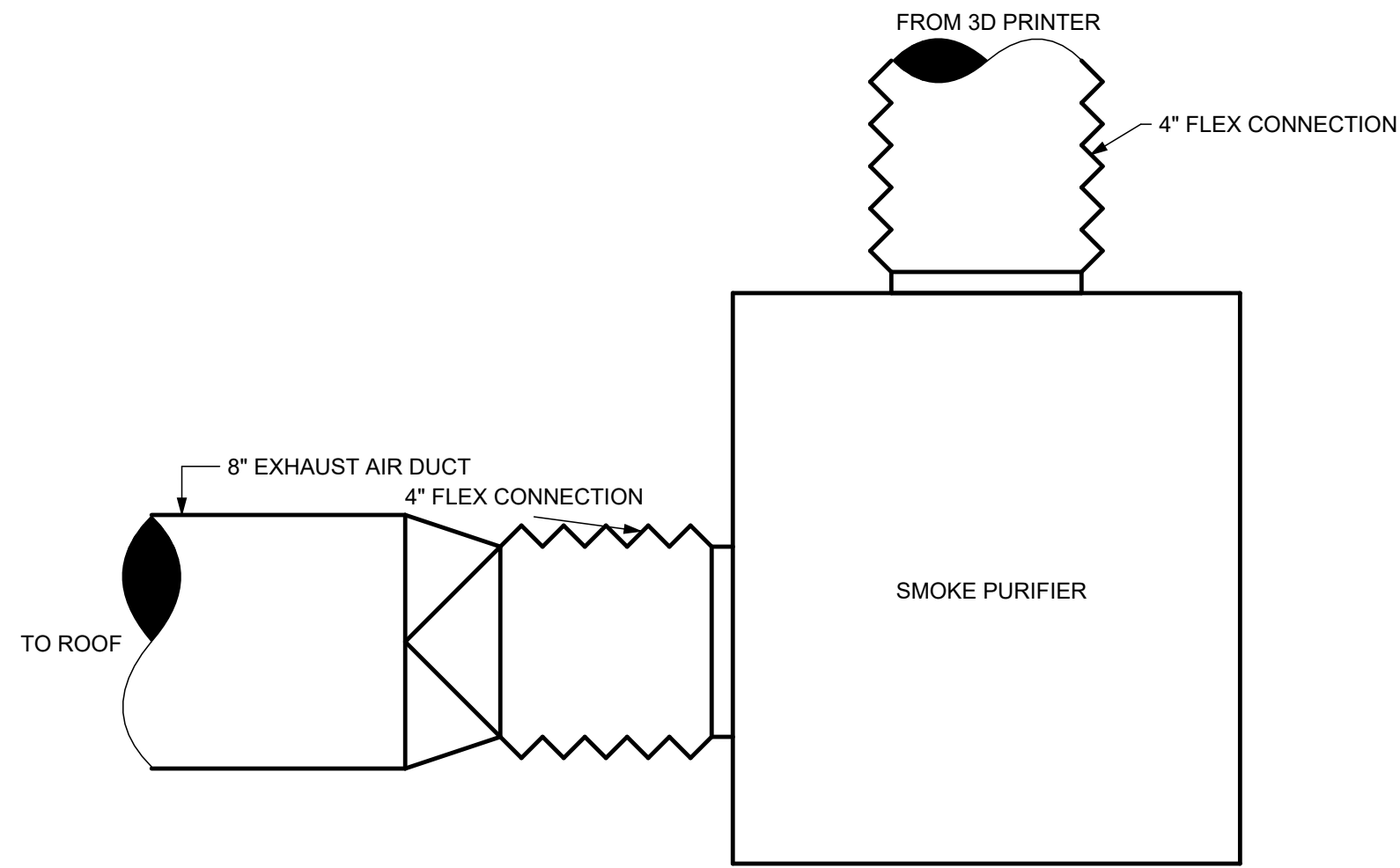
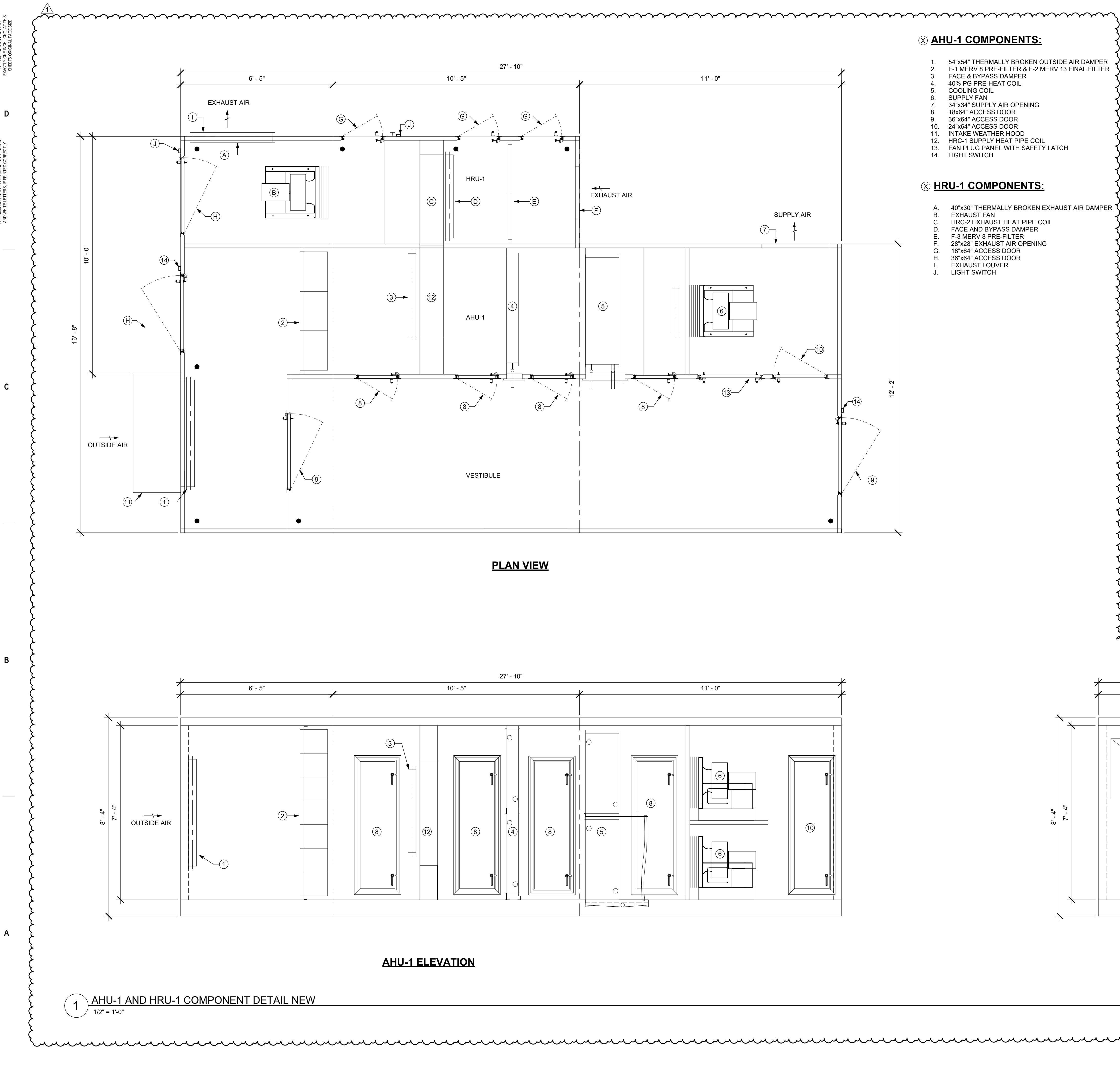
THESE DOCUMENTS WERE PREPARED UNDER THE DIRECT SUPERVISION OF A LICENSED PROFESSIONAL. THE DOCUMENTS AND ALL THE DATA CONTAINED HEREIN ARE THE PROPERTY OF ASHLEY MCGRAW ARCHITECTS. NO PART OF THESE DOCUMENTS MAY BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, WITHOUT THE WRITTEN PERMISSION OF ASHLEY MCGRAW ARCHITECTS, P.C. ANY ALTERATION TO THESE DOCUMENTS WITHOUT THE WRITTEN PERMISSION OF ASHLEY MCGRAW ARCHITECTS, P.C. IS A VIOLATION OF THE PROFESSIONAL SEAL OF A LICENSED ARCHITECT OR ENGINEER.

THE LINE SHOWN ABOVE IS
EXACTLY AS SHOWN IN THE
ORIGINAL DOCUMENT.

THE SQUARES ABOVE ARE COLOR WITH BLACK
AND WHITE LETTERS & PRINTED CORRECTLY

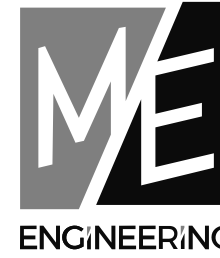
10/05/2026 3:15:05 PM

Addesha Docs: Cornell University Beebe Hall Maker Hub Reno/240488_CU_Beebe_Hall_Reno_HVAC_Cloud_PDS.rvt



ASHLEY MCGRAW
125 EAST JEFFERSON STREET
SYRACUSE, NEW YORK 13202

CONSULTANT:



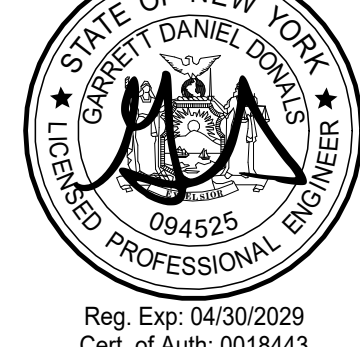
ENGINEERING

By: **Salas O'Brien**

Rochester | Buffalo | Syracuse | Capital District
300 TROTTER BLVD. 585.268.2500
ROCHESTER, NY 14607 www.mcgrawmccormack.com

Project #: 240488

SEAL:



OWNER:

CORNELL UNIVERSITY
ITHACA, NEW YORK 14853

CORNELL UNIVERSITY
BEEBE HALL CU MAKER HUB RENOVATIONS
110 ARBORETUM RD.,
ITHACA, NY 14850

JOB NO.		24213
REV.	REV.	REV.
NO.	DATE	DESCRIPTION
1	2026.10.01	ACCESSION #1

PROJECT STATUS:		BID DOCUMENTS
DATE ISSUED:		2026.09.14

DETAILS - HVAC

M600R

© 2023 - ASHLEY MCGRAW ARCHITECTS

THIS DOCUMENT WAS PREPARED UNDER THE DIRECT SUPERVISION OF A LICENSED PROFESSIONAL ENGINEER. THE DOCUMENT AND ALL THE DATA CONTAINED HEREIN ARE THE PROPERTY OF ASHLEY MCGRAW ARCHITECTS, P.C. NO PART OF THIS DOCUMENT IS TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, WITHOUT THE WRITTEN PERMISSION OF ASHLEY MCGRAW ARCHITECTS, P.C. IT IS A VIOLATION TO THE PROFESSIONAL ENGINEERING ACT TO REPRODUCE OR TRANSMIT THIS DOCUMENT IN ANY MANNER WITHOUT THE WRITTEN PERMISSION OF ASHLEY MCGRAW ARCHITECTS, P.C.

THE LINE SHOWN ABOVE IS
BASED ON THE FOLLOWING DATA:
EXACTLY AS SHOWN ABOVE

THE SQUARES ABOVE ARE COLOR WITH BLACK
AND WHITE LETTERS IF PRINTED CORRECTLY

10/50/2026 3:15:39 PM

C

B

Address: Docs:\Cornell University Beebe Hall Maker Hub Renovation\4488_CU_Beebe_Remo_HVAC_Cloud_RDS.rvt

FAN COIL UNIT SCHEDULE - CHILLED WATER/HOT WATER

UNIT NO.	LOCATION	SERVICE	TYPE	AIR SIDE		COOLING COIL - 100% WATER				EAT (DEG. F)		LAT (DEG. F)		WATER FLOW (GPM)	WATER P.D. (Ft. HD)	ENT. WATER TEMP. (DEG. F)	LVG. WATER TEMP. (DEG. F)	ROWS	FPI	HEATING COIL - 100% WATER		WATER FLOW (GPM)	WATER P.D. (Ft. HD)	ENT. WATER TEMP. (DEG. F)	LVG. WATER TEMP. (DEG. F)	ROWS	FPI	SUPPLY FAN OUTLET SOUND POWER LEVELS [dB]										FAN MOTOR				MANUFACTURER & MODEL No.	REMARKS
				EXT. STATIC (In. WC)	ENT. AIR FLOW (CFM)	CAPACITY SENSIBLE (MBH)	TOTAL (MBH)	DB	WB	DB	WB	CAPACITY (MBH)	ENT. AIR TEMP. (DEG. F)							LVG. AIR TEMP. (DEG. F)	125 Hz							250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz	RPM	HP	VOLTS	PHASE						
FCU-101B	PROTOTYPING WOOD STUDIO	PROTOTYPING WOOD STUDIO	HORZ. EXPOSED	360	0.25	7.46	8.78	75	63	56	54.6	1.3	4.98	47	60.9	4	14	NA	NA	NA	NA	NA	NA	NA	NA	NA	62	67	64	62	58	54	49	1310	(1)/1/4	115	1	SUPERIOR REX RBHC-A-06	2,3,4,5,6				
FCU-101C	CLAY STUDIO	CLAY STUDIO	HORZ. EXPOSED	1445	0.25	30.87	35.12	75	63	56.4	55	4.9	2.97	47	61.9	6	12	NA	NA	NA	NA	NA	NA	NA	NA	NA	71	67	66	68	63	61	53	1060	(2)/1/2	115	1	SUPERIOR REX RAHC-20	2,3,4,5,6				
FCU-103	STORAGE	STORAGE	HORZ. CONCEALED	1135	0.25	24.32	27.9	75	63	55.3	54.2	4.0	3.98	47	61.8	6	12	24.03	64	83.6	2.0	3.19	130	107.4	1	12	70	67	66	68	63	61	53	1075	(2)/1/2	115	1	SUPERIOR REX RAHR-12	2,3,4,5,6				
FCU-10071	STORAGE	ELEVATOR CONTROLS	HORZ. CONCEALED	425	0.25	9.13	10.52	75	63	55.3	54.4	1.5	2.15	47	61.5	5	10	10.9	64	87.7	0.7	2.29	130	100.1	1	10	51	50	48	47	43	34	27	1600	(1)/1/4	115	1	SUPERIOR REX RBHR-A-09	2,3,4,5,6				
FCU-201-1	MAKING EXPLORATION	MAKING EXPLORATION/WORK AREA	HORZ. EXPOSED	785	0.25	21.1	27.6	75	63	50.7	50.5	5.6	6.86	47	57.3	6	12	16.6	64	81.8	1	0.12	130	100.9	1	12	64	61	60	59	55	51	41	833	(2)/1/3	115	1	SUPERIOR REX RAHC-16	1,3,4,5,6				
FCU-201-1	MAKING EXPLORATION	MAKING EXPLORATION/WORK AREA	HORZ. EXPOSED	785	0.25	21.1	27.6	75	63	50.7	50.5	5.6	6.86	47	57.3	6	12	16.6	64	81.8	1	0.12	130	100.9	1	12	64	61	60	59	55	51	41	833	(2)/1/3	115	1	SUPERIOR REX RAHC-16	1,3,4,5,6				
FCU-201A	OFFICE	OFFICE	HORZ. CONCEALED	105	0.25	2.55	3.19	75	63	52.7	52.3	0.8	2.16	47	55.2	5	10	3.6	64	94.7	0.4	0.81	130	112.3	1	10	51	51	47	45	39	32	27	1126	(1)/1/4	115	1	SUPERIOR REX RBHR-A-02	1,3,4,5,6				
FCU-201B	EXPLORATION WORKSHOP	LARGE COLLAB	HORZ. EXPOSED	250	0.24	5.86	6.97	76	63	54.4	53.4	1.2	4.34	47	58.9	4	10	6.71	64	87.7	0.4	1.05	130	97.4	1	10	62	67	64	62	58	54	49	1183	(1)/1/4	115	1	SUPERIOR REX RBHC-A-06	2,3,4,5,6				
FCU-201D	MEDIUM COLLAB	MEDIUM COLLAB	HORZ. CONCEALED	185	0.22	4.03	4.78	75	63	55.1	54.1	0.7	7.61	47	61	4	10	4.87	64	88.3	0.4	0.48	130	105.9	1	10	52	49	44	44	39	32	26	1800	(1)/1/4	115	1	SUPERIOR REX RBHR-A-03	2,3,4,5,6				
FCU-201E	KITCHENETTE	KITCHENETTE/LOUNGE	HORZ. EXPOSED	1250	0.25	27.82	33.21	75	63	54.7	53.8	4.8	5.26	47	61.4	6	12	29.03	64	84.3	1.7	0.84	130	97.1	1	12	70	66	65	66	61	59	50	994	(2)/1/2	115	1	SUPERIOR REX RAHC-20	2,3,4,5,6				
FCU-202	EXPLORATION WORKSHOP	EXPLORATION WORKSHOP	HORZ. EXPOSED	1450	0.24	32.73	38.58	75	63	55.4	54.2	6.0	4.36	47	60.3	6	12	NA	NA	NA	NA	NA	NA	NA	NA	NA	71	67	66	68	63	61	53	1055	(2)/1/2	115	1	SUPERIOR REX RAHC-20	2,3,4,5,6				
FCU-203	IT ROOM	IT ROOM	WALL MOUNTED	190	0.0	5.0	6.5	80	66	55.2	54.5	1.4	5.9	47	54	1	18	NA	NA	NA	NA	NA	NA	NA	NA	NA	28	39	43	45	39	29	20	-	1/60	115	1	AERMEC FCW3260HZV1	2,3,4,5				
FCU-204	ELECTRONICS WORKSHOP	ELECTRONICS WORKSHOP	HORZ. EXPOSED	850	0.23	19.77	24.14	75	63	53.7	53.1	5.0	2.81	47	58.8	6	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	64	67	65	64	59	53	47	1391	(2)/1/4	115	1	SUPERIOR REX RBHC-12	2,3,4,5,6			
FCU-205	MEDIA STUDIO	MEDIA STUDIO	HORZ. CONCEALED	715	0.25	11.55	12.53	75	63	60.1	57.1	1.7	2.35	47	62	3	10	15.06	64	84.3	0.8	4.30	130	91.5	1	10	48	45	44	41	35	25	25	1600	(2)/1/4	115	1	SUPERIOR REX RBHR-A-12	2,3,4,5,6				
FCU-20042	STORAGE	ENTRY LOBBY	HORZ. CONCEALED	675	0.25	13.42	14.97	75	63	56.8	55.4	2.0	1.81	47	62	4	10	17.63	64	88.2	1.2	0.62	130	100	1	10	48	45	44	41	35	25	25	1600	(2)/1/4	115	1	SUPERIOR REX RBHR-A-12	2,3,4,5,6				

- REMARKS:
1. SPECIFIED COOLING AND AIR FLOW CHARACTERISTICS ARE BASED UPON LOW FAN SPEED.
2. SPECIFIED COOLING AND AIR FLOW CHARACTERISTICS ARE BASED UPON MEDIUM FAN SPEED.
3. VARIABLE SPEED EC MOTOR.
4. MERV 8 FILTER.
5. STAINLESS STEEL DRAIN PAN WITH CONDENSATE OVERFLOW SWITCH.
6. ELASTOMERIC CLOSED CELL FOAM INSULATION.

VAV - SINGLE DUCT - AIR TERMINAL UNIT SCHEDULE - HOT WATER REHEAT

UNIT NO.	SERVICE	MAX AIR FLOW (CFM)	MIN AIR FLOW (CFM)	MIN INLET PRESS AT MAX CFM (In. WC)	INLET SIZE (In.)	RAD N.C. AT 1" S.P.	DISCH N.C. AT 1" S.P.	REHEAT COIL CAPACITY (MBH)	AIR SIDE AIR FLOW (CFM)	EAT (DEG F)	LAT (DEG F)	WATER SIDE				EWT (DEG F)	LWT (DEG F)	ROWS DEEP	FLUID	MANUFACTURER & MODEL NO.	REMARKS
												APD (In. WC)	WPD (Ft. HD)	WPD (Ft. HD)	WPD (Ft. HD)						
SVAV-101	MAKING EXPLORATION	1810	620	0.29	16	15	15	58.9	1810	55	85	0.28	4.6	0.35	130	104.3	3	WATER	TITUS DESV	1,2	
SVAV-101A	MAKING EXPLORATION ANNEX	285	90	0.18	6	17	24	9.3	285	55	85	0.11	1.9	0.43	130	120.3	2	WATER	TITUS DESV	1,2	
SVAV-101B	PROTOTYPING WOOD STUDIO	325	50	0.13	7	18	22	10.6	325	55	85	0.09	1.4	0.38	130	115.1	2	WATER	TITUS DESV	1,2	
SVAV-101C	CLAY STUDIO	260	60	0.15	6	16	23	8.5	260	55	85	0.1	1.5	0.29	130	118.5	2	WATER	TITUS DESV	1,2	
SVAV-102	OPEN ASSEMBLY/PROTOTYPING	820	210	0.37	9	19	23	26.7	820	55	85	0.33	2.5	0.39	130	108.3	3	WATER	TITUS DESV	1,2	
SVAV-102B	LIGHT METAL & JEWELRY SHOP	300	120	0.11	7	17	22	9.8	300	55	85	0.08	1.3	0.34	130	114.3	2	WATER	TITUS DESV	1,2	
SVAV-10041	CORRIDOR	325	290	0.13	7	18	22	10.6	325	55	85	0.09	1.4	0.38	130	115.1	2	WATER	TITUS DESV	1,2	
SVAV-202	EXPLORATION WORKSHOP	1015	315	0.28	12	18	22	33	1015	55	85	0.27	2.4	0.42	130	102.1	3	WATER	TITUS DESV	1,2	
SVAV-204	ELECTRONICS WORKSHOP	120	25	0.04	5	N/A	22	4.9	120	55	92.9	0.03	0.9	0.16	130	119.1	2	WATER	TITUS DESV	1,2	
SVAV-205A	CORRIDOR/COLLABORATION	295	295	0.19	6	18	24	9.6	295	55	85	0.12	2.2	0.53	130	121	2	WATER	TITUS DESV	1,3	

- REMARKS:
1. FIBER FREE LINER
2. INTEGRAL SOUND ATTENUATOR.

LOUVER SCHEDULE

UNIT NO.	LOCATION	SERVICE	TYPE	MATERIAL	FINISH	FREE AREA (Sq. Ft.)	DIMENSIONS (APPROX.) WIDTH HEIGHT DEPTH (In.) (In.) (In.)	AIR PERFORMANCE AIR FLOW (CFM)	VEL (FPM)	MAX P.D. (In. WC)	MANUFACTURER & MODEL NO.	REMARKS
L-1	EXTERIOR WALL	CLAY KILNS	FIXED - HORIZONTAL	ALUMINUM	ANODIZED	0.87	18 18 4	260	299	0.011	CONSTRUCTION SPECIALTIES A4177	1,2
L-2	EXTERIOR WALL	ELECTRICAL CLOSET	FIXED - HORIZONTAL	ALUMINUM	ANODIZED	0.29	12 12 4	150	518	0.035	CONSTRUCTION SPECIALTIES A4177	1,2

- REMARKS:
1. BIRD SCREEN.
2. ARCHITECT TO SELECT COLOR.

UNIT HEATER SCHEDULE - ELECTRIC

UNIT NO.	LOCATION	TYPE	CAPACITY MBH	AIR SIDE AIR FLOW (CFM)	ENT. AIR TEMP. (DEG. F)	LVG. AIR TEMP. (DEG. F)	FAN SPEED (RPM)	MOUNTING HEIGHT (Ft.-In.)	THROW (Ft.)	ELECTRICAL CAPACITY (KW)	VOLTS	PHASE	FLA	MCA	MOP	SCCR (kA)	MANUFACTURER & MODEL No.	REMARKS
EUH-1	AHU VESTIBULE	HORIZONTAL	17.0	310	50	91	1490	7'-6"	20	5	208	3					STERLING HVE	-

SNOW MELT SYSTEM SCHEDULE

SYSTEM NO.	AREA SERVED (Sq. Ft.)	AREA (Sq. Ft.)	BTU/Hr. Sq. Ft. (MINIMUM)	TUBE SIZE (In.)	MAX SPACING (In.)	NO. OF CIRCUITS	CIRCUIT LENGTH (Ft.)	MANIFOLD NO.	FLUID	ENT. WATER TEMP. (DEG. F)	LVG. WATER TEMP. (DEG. F)	WATER FLOW (GPM)	P.D. (Ft. HD)	MANUFACTURER & MODEL No.	REMARKS
SM-1	ENTRY LOBBY	446	216	3/4	6	4	230	1	40% PG	130	100	6.93	6.1	MR PEX SYSTEMS 328 SERIES	1

- REMARKS:
1. REFER TO SPECIFICATION FOR SNOWMELT SYSTEM DESIGN COMPONENTS

RADIATION SCHEDULE - HOT WATER

UNIT TYPE	CAPACITY (BTU/Hr.)	AVERAGE WATER TEMP. (DEG. F)	ENT. AIR TEMP. (DEG. F)	ENT. WATER TEMP. (DEG. F)	LVG. WATER TEMP. (DEG. F)	HEATING ELEMENT TUBE SIZE (In.)	FIN SIZE (In.)	TIERS	FINS/ FT.	MIN. WATER VELOCITY (FT/SEC)	ENCLOSURE HEIGHT (In.)	WIDTH (In.)	MOUNTING HEIGHT TO TOP	MANUFACTURER & MODEL No.	REMARKS
FT-A	595	115	70	130	100	1.25	4.25	1	40	3.0	24	5.3125	28	STERLING JVB-S	-

VAV - SINGLE DUCT - AIR TERMINAL UNIT SCHEDULE

UNIT NO.	SERVICE	MAX AIR FLOW (CFM)	MIN AIR FLOW (CFM)	MIN INLET PRESS AT MAX CFM (In. WC)	INLET SIZE (In.)	RAD N.C. AT 1" S.P.	DISCH N.C. AT 1" S.P.	MANUFACTURER & MODEL NO.	REMARKS
SVAV-103	STORAGE	75	65	0.01	4	NA	23	TITUS DESV	1
SVAV-201-1	MAKING EXPLORATION/WORK AREA	475	375	0.08	7	22	25	TITUS DESV	1
SVAV-201-2	MAKING EXPLORATION/WORK AREA	475	375	0.08	7	22	25	TITUS DESV	1
SVAV-201A	OFFICE	45	20	0.01	4	NA	18	TITUS DESV	1
SVAV-201C	LARGE COLLAB	75	55	0.01	4	NA	23	TITUS DESV	1
SVAV-201D	MEDIUM COLLAB	50	35	0.01	4	NA	19	TITUS DESV	1
SVAV-201E	KITCHENETTE/LOUNGE	200	195	0.03	6	14	22	TITUS DESV	1
SVAV-205	MEDIA STUDIO	140	140	0.01	5	12	24	TITUS DESV	1
SVAV-20042	ENTRY LOBBY	50	50	0.01	4	NA	19	TITUS DESV	1
EVAV-101	MAKING EXPLORATION	1310	120	0.01	12	25	27	TITUS DESV	1
EVAV-101A	MAKING EXPLORATION ANNEX	385	190	0.12	6	24	25	TITUS DESV	1
EVAV-101B	PROTOTYPING WOOD STUDIO	425	150	0.06	7	20	25	TITUS DESV	1
EVAV-101C	CLAY STUDIO	360	160	0.11	6	23	25	TITUS DESV	1
EVAV-102	OPEN ASSEMBLY/PROTOTYPING	920	310	0.01	12	20	24	TITUS DESV	1
EVAV-102B	LIGHT METAL & JEWELRY SHOP	300	120	0.07	6	20	23	TITUS DESV	1
EVAV-103	STORAGE	75	65	0.01	4	NA	23	TITUS DESV	1
EVAV-10020	JCWOMEN'S/SMEN'S	275	275	0.06	6	18	25	TITUS DESV	1
EVAV-201-1	MAKING EXPLORATION/WORK AREA	360	260	0.11	6	23	25	TITUS DESV	1
EVAV-201-2	MAKING EXPLORATION/WORK AREA	360	260	0.12	6	23	25	TITUS DESV	1
EVAV-201C	LARGE COLLAB	75	55	0.01	4	NA	23	TITUS DESV	1
EVAV-201D	MEDIUM COLLAB	50	35	0.01	4	NA	19	TITUS DESV	1
EVAV-201E	KITCHENETTE/LOUNGE	200	195	0.03	6	14	22	TITUS DESV	1
EVAV-202	EXPLORATION WORKSHOP	1165	465	0.01	12	24	25	TITUS DESV	1,2
EVAV-20020	ELECTRONICS WORKSHOP	220	125	0.04	5	15	23	TITUS DESV	1
EVAV-205	MEDIA STUDIO	140	140	0.01	5	12	24	TITUS DESV	1
EVAV-20020	TOILETS/JC	195	195	0.02	5	18	28	TITUS DESV	1

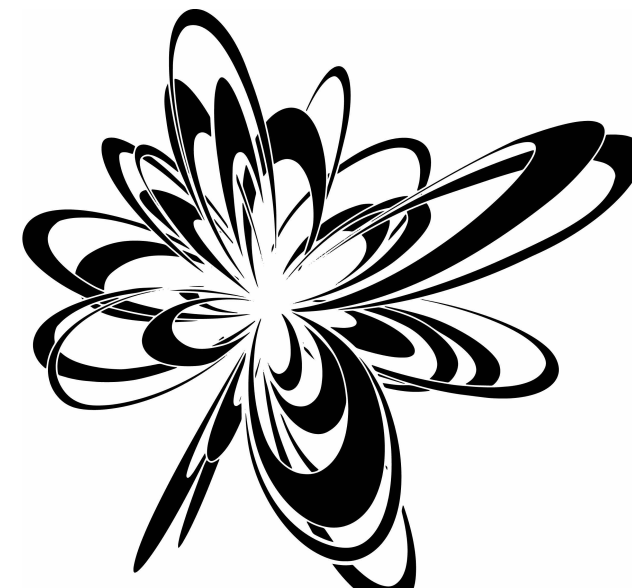
THESE DOCUMENTS WERE PREPARED UNDER THE DIRECT SUPERVISION OF A LICENSED PROFESSIONAL. THE DOCUMENTS AND ALL THE DATA CONTAINED HEREIN ARE THE PROPERTY OF THE ENGINEER OR ARCHITECT. NO PART OF THESE DOCUMENTS MAY BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, WITHOUT PERMISSION IN WRITING FROM THE ENGINEER OR ARCHITECT. THE ENGINEER OR ARCHITECT SHALL BE RESPONSIBLE FOR THE ACCURACY OF THE DATA AND THE COMPLETION OF THE PROJECT.

THESE DRAWINGS ARE TO BE EXACTLY THE SAME AS THE ORIGINAL DRAWINGS AND NOT BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, WITHOUT PERMISSION IN WRITING FROM THE ENGINEER OR ARCHITECT.

THE SQUARE ABOVE ARE COLORED WITH BLACK AND WHITE LETTERS IF PRINTED CORRECTLY

10/30/2026 4:18:49 PM

\\bbs01\docs\cornell\university\Beebe Hall Maker Hub Reno\242488_CU_Beebe_Hall_ELEC_Cloud_R05.rvt



ASHLEY MCGRAW
125 EAST JEFFERSON STREET
SYRACUSE, NEW YORK 13202

CONSULTANT:



ENGINEERING

By: **Salas O'Brien**

Rochester | Buffalo | Syracuse | Capital District
300 TROCKLEY BLVD. 585.288.5500
ROCHESTER, NY 14607 www.mcgrawengineering.com
Project # 242488

SEAL:



Reg. Exp: 04/30/2029
Cert. of Auth: 0018443

OWNER:

CORNELL UNIVERSITY
ITHACA, NEW YORK 14853

CORNELL UNIVERSITY
BEEBE HALL CU MAKER HUB RENOVATIONS
110 ARBORETUM RD.,
ITHACA, NY 14850

AN JOB NO.

24213

REV.	DATE	DESCRIPTION
1	2026.10.06	ADDENDUM 1

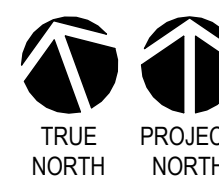
PROJECT STATUS:

BID DOCUMENTS

DATE ISSUED:

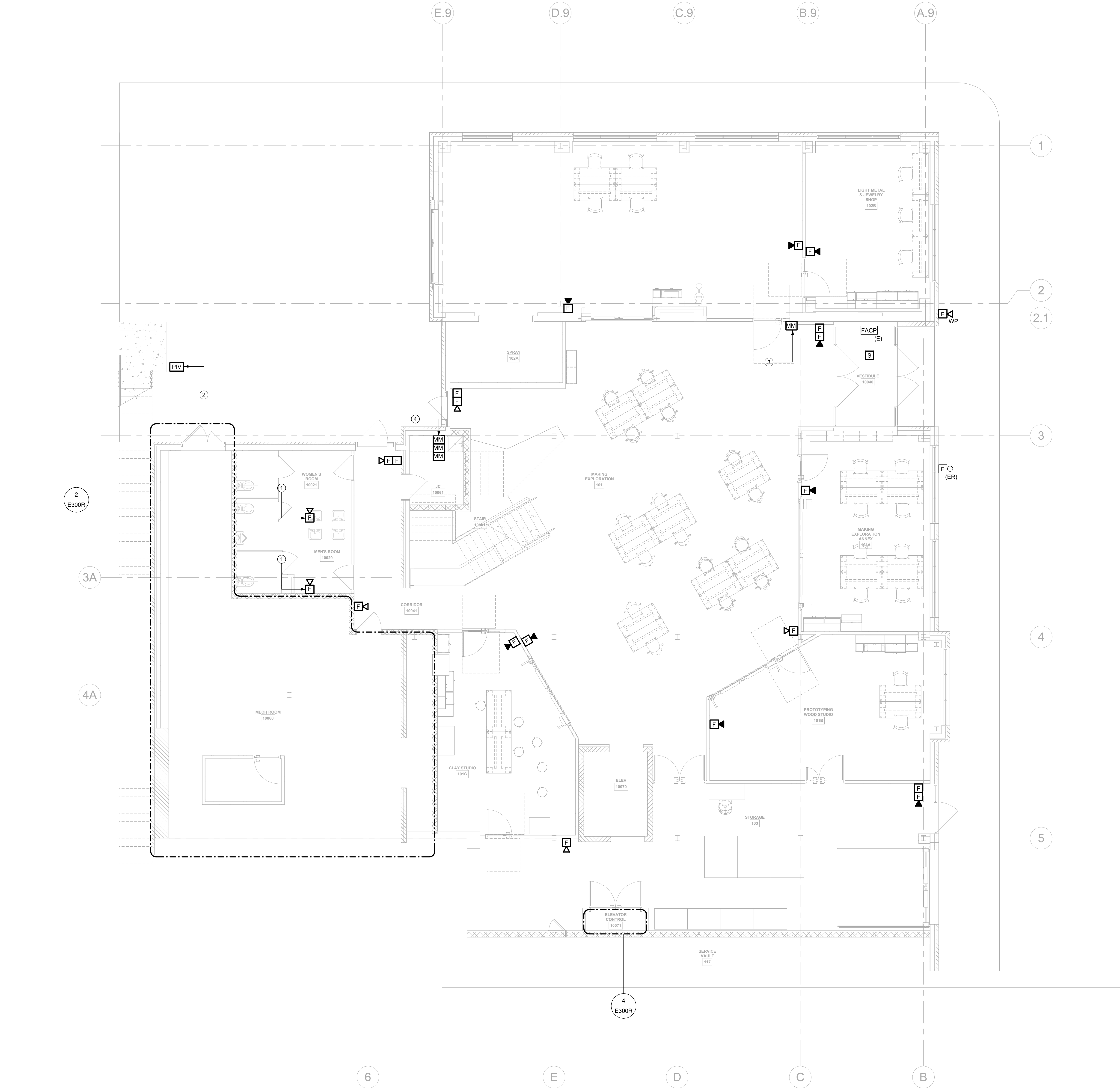
2026.09.14

FLOOR PLAN - LEVEL
01 - FIRE ALARM



E220R

© 2023 - ASHLEY MCGRAW ARCHITECTS



1 FLOOR PLAN - LEVEL 01 - FIRE ALARM
3/16" = 1'-0"

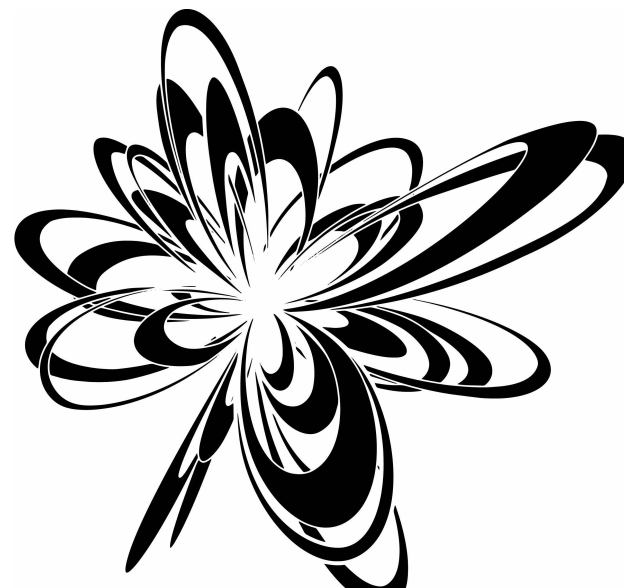
THESE DOCUMENTS WERE PREPARED UNDER THE DIRECT SUPERVISION OF A LICENSED PROFESSIONAL. THE DOCUMENTS AND ALL THE DATA CONTAINED HEREIN ARE THE PROPERTY OF ASHLEY MCGRAW ARCHITECTS. NO PART OF THESE DOCUMENTS MAY BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, WITHOUT PERMISSION IN WRITING FROM ASHLEY MCGRAW ARCHITECTS. THIS DOCUMENT IS NOT TO BE USED FOR ANY OTHER PROJECT WITHOUT THE WRITTEN PERMISSION OF ASHLEY MCGRAW ARCHITECTS.

THE LINE SHOWN ABOVE IS EXACTLY THE LOCATION OF THE FIRE ALARM DEVICE.

THE SQUARE ABOVE IS COLOR WITH BLACK AND WHITE LETTERS IF PRINTED CORRECTLY

10/30/2026 4:22:30 PM

\\addres.dos\cornell\university\Beebe Hall Maker Hub Reno\242488_CU_Beebe_Hall_ELEC_Cloud_R05.rvt



ASHLEY MCGRAW
125 EAST JEFFERSON STREET
SYRACUSE, NEW YORK 13202

CONSULTANT:



ENGINEERING

is now J Salas O'Brien

Rochester | Buffalo | Syracuse | Capital District
300 TROCKLEY BLVD. 585.288.5500
ROCHESTER, NY 14607 www.meengr.com
Project # 242488

SEAL:



Reg. Exp. 04/30/2029
Cert. of Auth. 0018443

OWNER:

CORNELL UNIVERSITY
ITHACA, NEW YORK 14853

CORNELL UNIVERSITY
BEEBE HALL CU MAKER HUB RENOVATIONS
110 ARBORETUM RD,
ITHACA, NY 14850

AN JOB NO.

24213

REV.	DATE	DESCRIPTION
1	2026.10.06	ADDENDUM 1

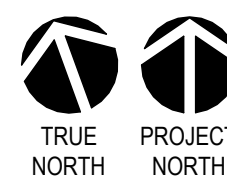
PROJECT STATUS:

BID DOCUMENTS

DATE ISSUED:

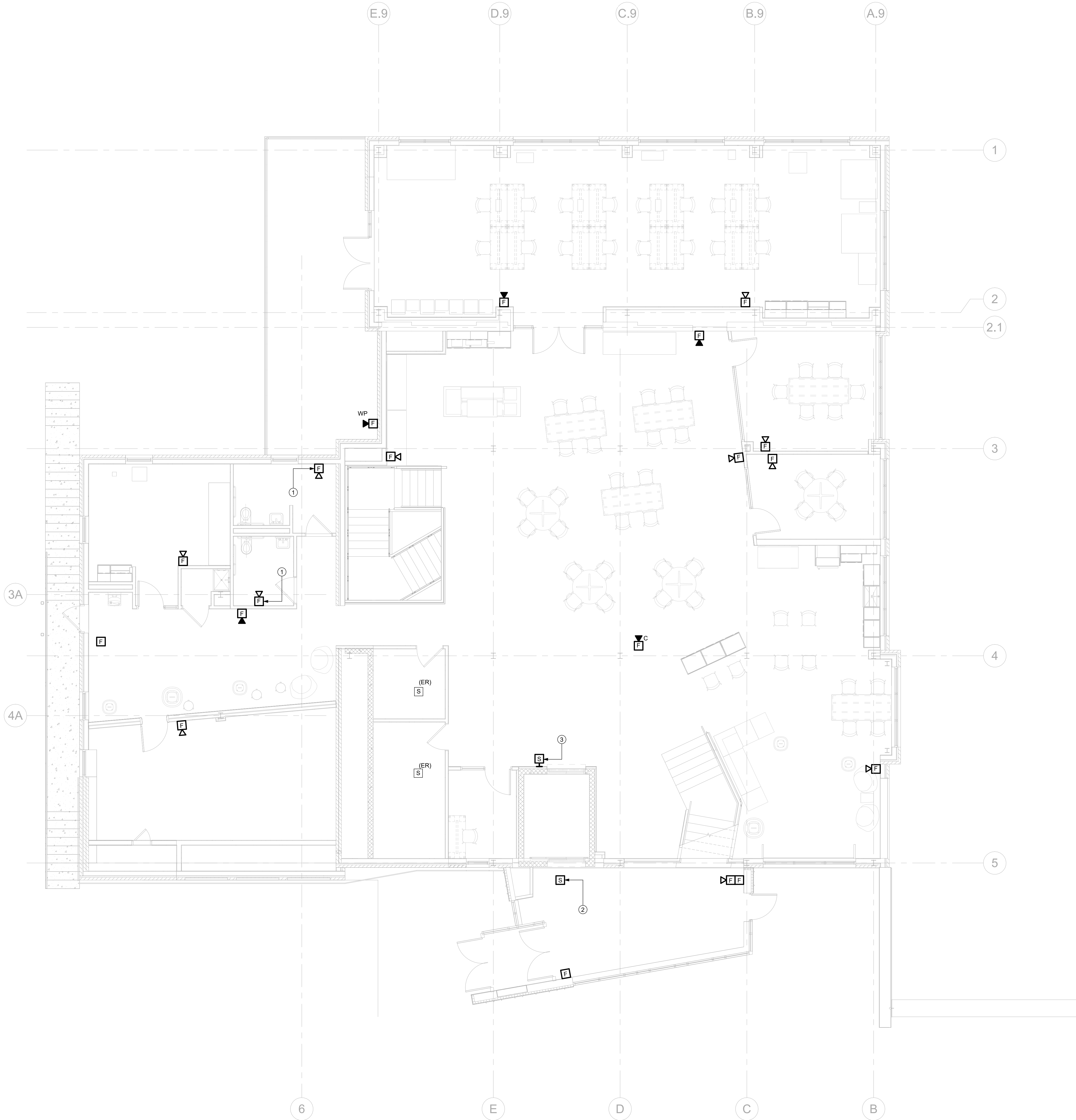
2026.09.14

FLOOR PLAN - LEVEL
02 - FIRE ALARM



E221R

© 2023 - ASHLEY MCGRAW ARCHITECTS



1 FLOOR PLAN - LEVEL 02 - FIRE ALARM
3/16" = 1'-0"

THESE DOCUMENTS WERE PREPARED UNDER THE DIRECT SUPERVISION OF A LICENSED PROFESSIONAL. THE DOCUMENTS AND ALL THE DATA CONTAINED HEREIN ARE THE PROPERTY OF ASHLEY MCGRAW ARCHITECTS. NO PART OF THESE DOCUMENTS MAY BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, WITHOUT THE WRITTEN PERMISSION OF ASHLEY MCGRAW ARCHITECTS. IT IS A VIOLATION OF THE PROFESSIONAL SEAL OF ASHLEY MCGRAW ARCHITECTS TO REPRODUCE OR TRANSMIT THESE DOCUMENTS IN ANY MANNER WITHOUT THE WRITTEN PERMISSION OF ASHLEY MCGRAW ARCHITECTS.

THE LINE SHOWN ABOVE IS THE EXACT LINE OF THE BUILDING AS SHOWN ON THE PLANS.

THE SQUARE ABOVE ARE COLORED WITH BLACK AND WHITE LETTERS IF PRINTED CORRECTLY.

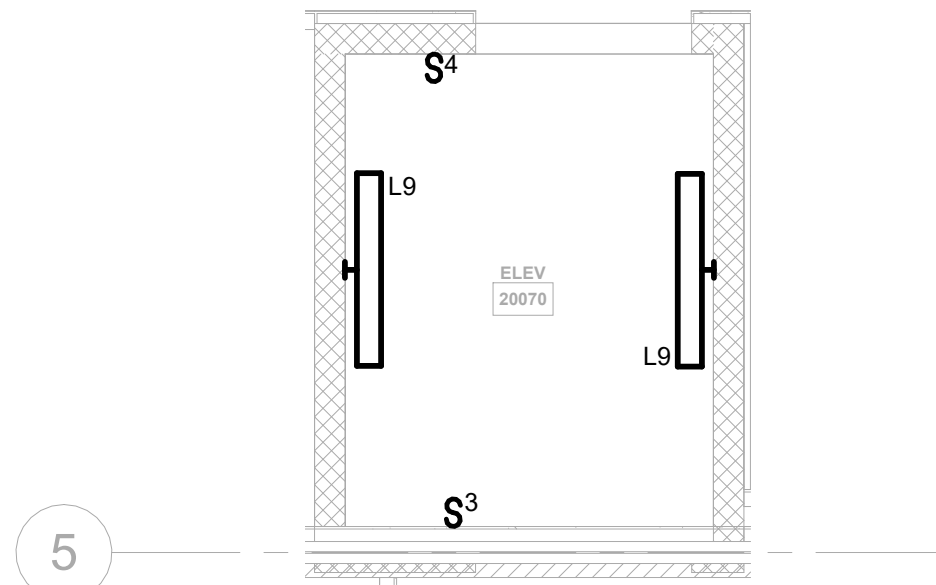
10/30/2026 4:18:53 PM

\\bldg01\docs\Cornell University Beebe Hall Maker Hub Renovation\240488_CU_Beebe_Hall_ELEC_Cloud_R05.rvt

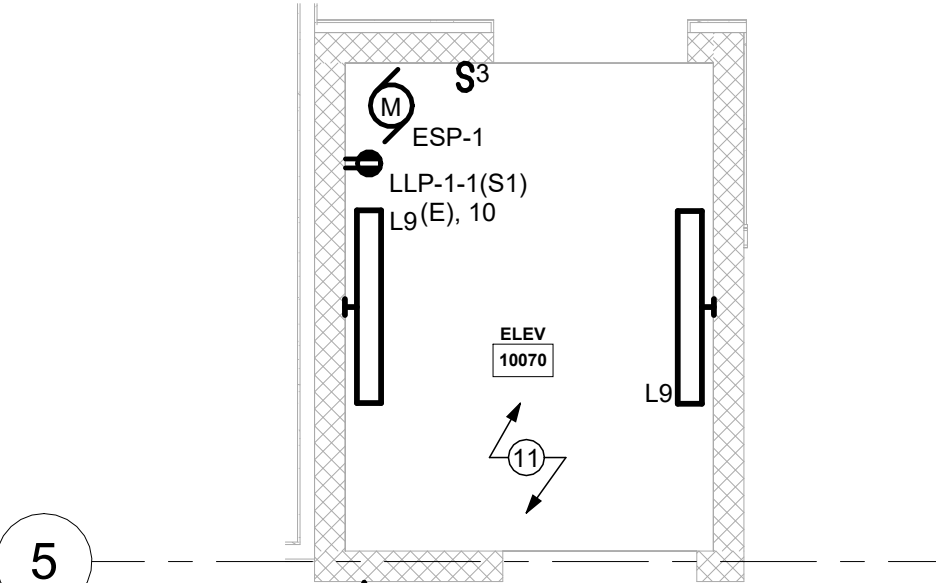
2 ENLARGED PLAN - MECHANICAL ROOM
3/8" = 1'-0"



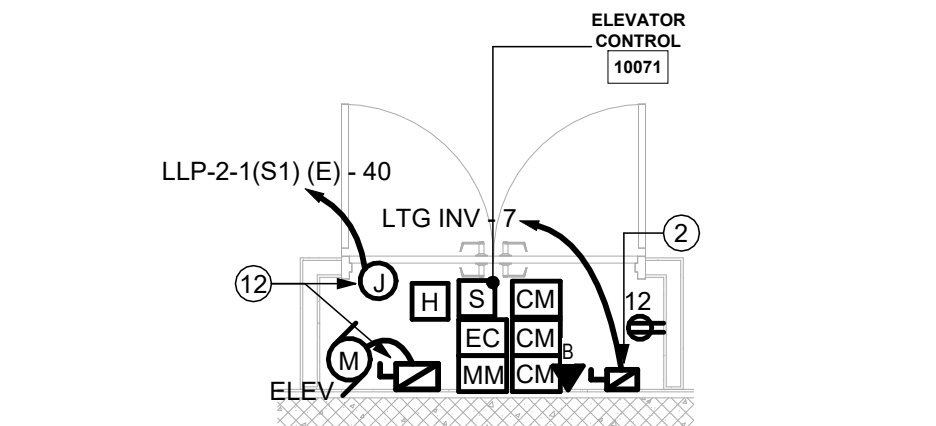
6 ENLARGED PLAN - ELEVATOR HOISTWAY TOP
1/4" = 1'-0"



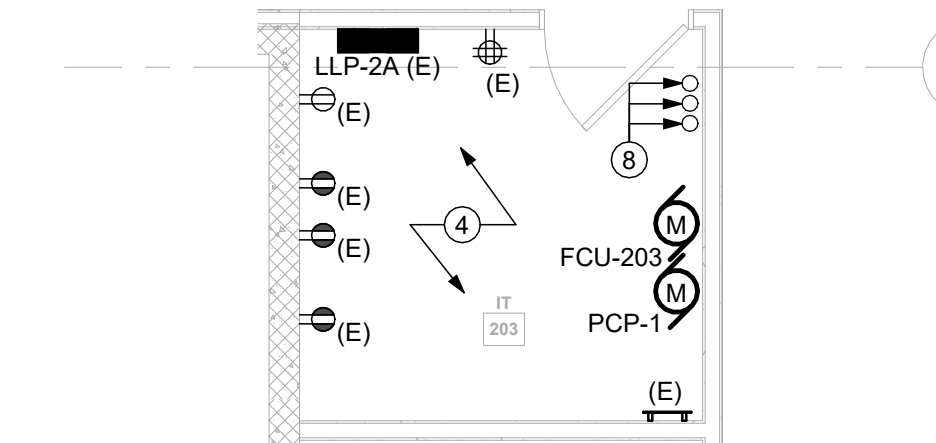
5 ENLARGED PLAN - ELEVATOR HOISTWAY PIT
1/4" = 1'-0"



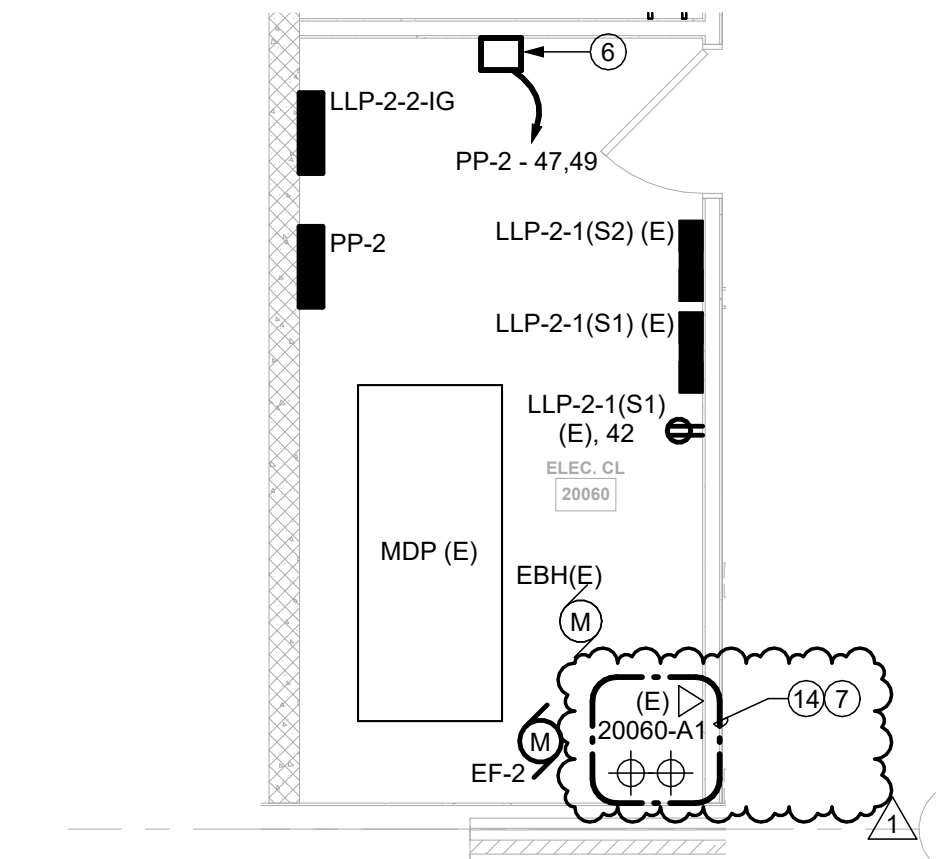
4 ENLARGED PLAN - ELEVATOR CONTROL
1/4" = 1'-0"



3 ENLARGED PLAN - TELECOM ROOM - ELECTRICAL
1/4" = 1'-0"

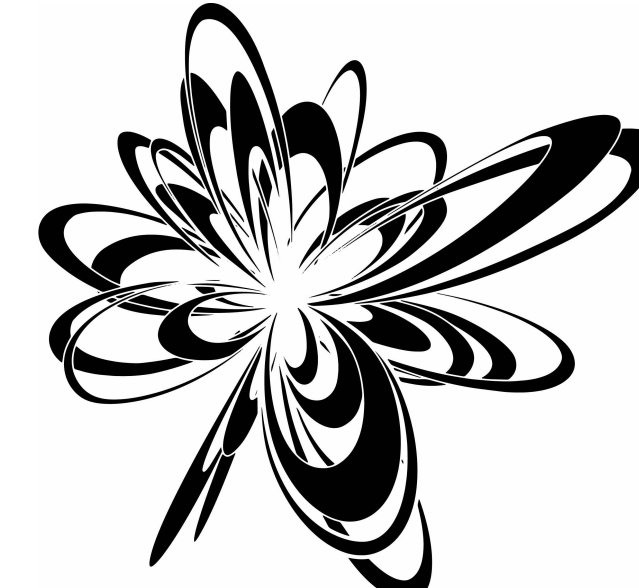


1 ENLARGED PLAN - ELECTRICAL CLOSET - ELECTRICAL
1/4" = 1'-0"



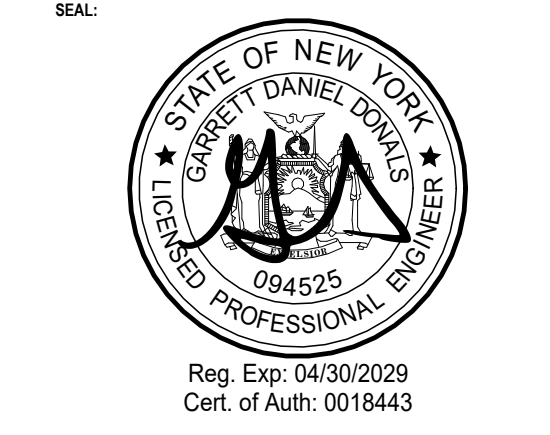
⊗ **DRAWING NOTES:**

1. LIGHTING INVERTER FOR EMERGENCY LIGHTING. PROVIDE (1) 208V, 50A, 2P CIRCUIT FROM PANELBOARD PP-1. INVERTER TO HAVE (18) TOTAL 120V OUTPUT CIRCUITS. (8) 15A, 1P AND (10) 20A, 1P. BASIS OF DESIGN CRUCIAL POWER WAVE RIDER 1 - 8KW.
2. DISCONNECT FOR ELEVATOR CAB LIGHTING. 20A, 1P CAB LIGHTING CIRCUIT SHALL BE FED FROM A DEDICATED CIRCUIT IN LIGHTING INVERTER IN MECH ROOM. PROVIDE 15A FUSE IN DISCONNECT.
3. REFER TO SHEET TE200 FOR ACCESS CONTROL PANEL INFORMATION.
4. REFER TO SHEET TE201 FOR TELECOM DETAILS IN THIS ROOM.
5. POWER CONNECTIONS FOR ACCESS CONTROL EQUIPMENT.
6. BUCK-BOOST TRANSFORMER FOR COFFEE ROBOT. WIRE TO 30A, 2-POLE CIRCUIT BREAKER WITH (2)#10AWG & (1)#10EG IN 3/4" C.
7. EXISTING DATA DROP FOR ELECTRICAL METER.
8. EXISTING DATA CONDUIT. REUSE & EXTEND PATHWAY TO FIRST FLOOR ABOVE-CEILING CABLE TRAY.
9. COORDINATE SMOKE DETECTOR MOUNTING WITH ALL ACOUSTICAL CEILING TREATMENTS AND ASSEMBLIES.
10. REFEED BMS CIRCUIT TO ALL BMS PANELS AS REQUIRED BY FINAL CONTROLS SUBMITTAL. EXTEND DESIGNATED BMS CIRCUITS TO FEED ALL PANELS IN PROJECT.
11. PROVIDE PARALLEL SWITCHLEG TO FOUR-WAY SYSTEM IN HOISTWAY THROUGH ELEVATOR CONTROLLER. PROVIDE (8)#12AWG & (1)#12EG IN 3/4" TO ELEVATOR CONTROLLER FROM HOISTWAY. ALL HOISTWAY FIXTURES TO BE SWITCHED TOGETHER. COORDINATE LOCATION OF ALL HOISTWAY RECEPTACLES, SWITCHES, AND LIGHTS WITH ELEVATOR SHOP DRAWINGS AND REQUIREMENTS.
12. PROVIDE FUSED ELEVATOR DISCONNECT WITH SHUNT-TRIP BREAKER. SHUNT TRIP TO BE TIED TO HEAT DETECTOR IN ELEVATOR CONTROL ROOM. HEAT DETECTOR(S) TO BE INSTALLED WITHIN 2'-0" OF SPRINKLER HEAD(S) IN ELEVATOR CONTROL ROOM. SHUNT TRIP CIRCUIT AS NOTED.
13. PROVIDE 20A, 120V POWER CONNECTION FOR UTILITY FLOW METERS. CIRCUIT AS INDICATED. REFER TO MECHANICAL DETAILS. COORDINATE LOCATION WITH DATA DROPS. REFER TO TE-200R. PROVIDE SEPARATE DISCONNECT SNAP SWITCH WITH LOCKABLE HASP TO ALLOW ISOLATION FROM OTHER COMPONENTS ON THE CIRCUIT.
14. POWER CONNECTIONS FOR ELECTRICAL METER. REFER TO PANELBOARD SCHEDULES FOR SPECIFIC CIRCUIT INFORMATION. ALL METER CONNECTIONS ARE EXISTING TO REMAIN. COORDINATE WITH CORNELL UNIVERSITY FOR ANY REQUIRED OUTAGES.
15. REFER TO SITE PLAN ON SHEET E-010 FOR CONTINUATION OF DATA PATHWAYS.
16. REFER TO SITE PLAN ON SHEET E-010 FOR CONTINUATION OF POWER PATHWAYS.
17. REFER TO TE200 FOR PULL BOX AND PATHWAY INFORMATION.
18. PROVIDE 12" X 12" X 4" PULL BOX FOR BOTH 1-1/4" CONDUITS. EXTEND CONDUITS TO ELECTRICAL ROOM ON LEVEL 2.



ASHLEY MCGRAW
125 EAST JEFFERSON STREET
SYRACUSE, NEW YORK 13202

CONSULTANT:
ME
ENGINEERING
1000 J Salas O'Brien
Rochester | Buffalo | Syracuse | Capital District
300 TRICKEY BLVD. 585.288.5500
ROCHESTER, NY 14607 www.mcgrawengineering.com
Project # 240488



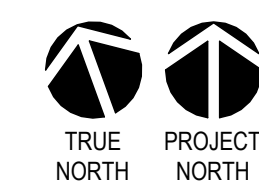
OWNER:
CORNELL UNIVERSITY
ITHACA, NEW YORK 14853

CORNELL UNIVERSITY
BEEBE HALL CU MAKER HUB RENOVATIONS
110 ARBORETUM RD.,
ITHACA, NY 14850

JOB NO.		24213
REV.	REV. DATE	REV. DESCRIPTION
1	2026.10.06	ADDENDUM 1

PROJECT STATUS:
BID DOCUMENTS
DATE ISSUED:
2026.09.14

ENLARGED PLANS -
ELECTRICAL



E300R

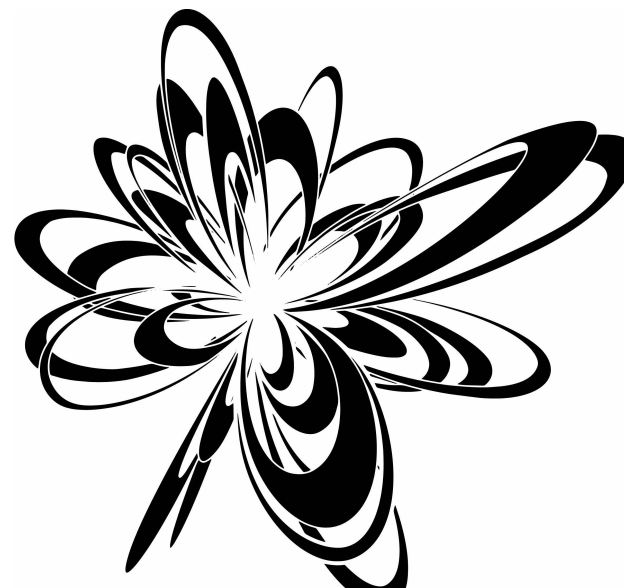
THIS DOCUMENT WAS PREPARED UNDER THE DIRECT SUPERVISION OF A LICENSED PROFESSIONAL. THE DOCUMENT AND ALL THE DATA CONTAINED HEREIN ARE THE PROPERTY OF ASHLEY MCGRAW ARCHITECTS. NO PART OF THIS DOCUMENT IS TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, WITHOUT THE WRITTEN PERMISSION OF ASHLEY MCGRAW ARCHITECTS. IT IS A VIOLATION OF THE PROFESSIONAL SEAL OF A LICENSED ARCHITECT TO REPRODUCE THIS DOCUMENT IN ANY WAY WITHOUT THE DIRECTION OF A LICENSED ARCHITECT OR EXAMINER.

THESE DRAWINGS ARE TO BE EXACTLY THE DRAWING AT THE SCALE INDICATED THEREON.

THE SQUARE ABOVE ARE COLORED WITH BLACK AND WHITE LETTERS IF PRINTED CORRECTLY.

10/30/2026 4:19:26 PM

\\addnet.dcs.cornell.edu\Users\Beebe Hall Maker Hub\Renov264882_CU_Beebe_Hall_ELEC_Cloud_R05.rvt



ASHLEY MCGRAW
125 EAST JEFFERSON STREET
SYRACUSE, NEW YORK 13202

CONSULTANT:



ENGINEERING
By: **Salas O'Brien**

Rochester | Buffalo | Syracuse | Capital District
300 TRICKEY BLVD. 585.288.5500
ROCHESTER, NY 14607 www.mcgrawengineering.com
Project # 264882

SEAL:



Reg. Exp: 04/30/2029
Cert. of Auth: 0018443

OWNER:

CORNELL UNIVERSITY
ITHACA, NEW YORK 14853

CORNELL UNIVERSITY
BEEBE HALL CU MAKER HUB RENOVATIONS
110 ARBORETUM RD.,
ITHACA, NY 14850

ⓧ DRAWING NOTES:

- EXISTING TWO-SECTION PANELBOARD LLP-1 SHALL BE REDESIGNATED AS PANELBOARD LLP-1-1. PROVIDE UPDATED LABEL AND PLACARD. UPDATE LABELS ON ALL EXISTING-TO-REMAIN OR EXISTING-TO-BE-REFED DOWNSTREAM EQUIPMENT.
- EXISTING TWO-SECTION PANELBOARD LLP-2 SHALL BE REDESIGNATED AS PANELBOARD LLP-2-1. PROVIDE UPDATED LABEL AND PLACARD. UPDATE LABELS ON ALL EXISTING-TO-REMAIN OR EXISTING-TO-BE-REFED DOWNSTREAM EQUIPMENT.
- CIRCUIT BREAKER IN EXISTING PANEL IS SPARE OR IS TO BE MADE SPARE DURING DEMOLITION.
- CIRCUIT IS EXISTING TO REMAIN. REFEED AS REQUIRED BY OTHER DEMOLITION WORK.
- CIRCUIT BREAKER(S) TO BE REMOVED AND TURNED OVER TO OWNER. PROVIDE CIRCUIT BREAKER(S) NOTED. MATCH EXISTING MANUFACTURER (GE) AND RATING (22KAIC)

GENERAL NOTES

- EXISTING PANELBOARD SCHEDULES ARE PROVIDED FOR REFERENCE. INFORMATION INCLUDED WAS GATHERED FROM AS-BUILT DRAWINGS AND FIELD OBSERVATIONS. UNLESS OTHERWISE NOTED, TURN OVER ALL REMOVED CIRCUIT BREAKERS TO OWNER. CONTRACTOR TO PROVIDE ALL CIRCUIT BREAKERS REQUIRED FOR NEW WORK AND VERIFY CONDITION OF CIRCUIT BREAKERS INTENDED TO BE REUSED. CIRCUIT BREAKERS PROVIDED FOR EXISTING PANELBOARDS SHALL MATCH PANELBOARD MANUFACTURER AND RATINGS.
- CONTRACTOR TO PROVIDE UPDATED TYPED PANELBOARD SCHEDULES FOR ALL PANELBOARDS AND SWITCHGEAR IN BUILDING.
- ALL CIRCUITS NOTED AS (E) OR (ER) IN EXISTING PANELBOARDS SHALL BE REFEED AS NEEDED TO ENABLE ELECTRICAL AND OTHER TRADE'S WORK ASSOCIATED WITH THIS PROJECT. PROVIDE NEW CIRCUITRY AS REQUIRED. ALL WIRING SHALL BE AT MINIMUM #12AWG IN MINIMUM 3/4" CONDUIT.

② LLP-2-1(S1) (E)

Mains Type: MLO		Volts: 208Y/120V		Location: ELEC. CL 20060		
Mains Rating: 200 A		Phases: 3		Enclosure: Type 1		
A.I.C. Rating:		Wires: 4		Mounting: SURFACE		
CKT	Circuit Description	Trip	A B C	Trip	Circuit Description	CKT
1	RECEP - RM #205A	20 A	...	20 A	LTG - RM #202	2
3	EWIC - RM #205A	20 A	...	20 A	LTG - RMS #201C & 201D	4
5	RECEP - RM #20063	20 A	...	20 A	LTG - RM #201	6
7	RECEP - RM #205	20 A	...			8
9	RECEP - RM #205	20 A	...	20 A	(E) POWER METER	10
11	RECEP - RM #205	20 A	...			12
13	RECEP - CLG - RM #205	20 A	...	20 A	LTG - RMS #204, #205, #205A, TOILETS, HALL	14
15	RECEP - CLG - RM #205	20 A	...	20 A	LTG - RMS #201, 201E, 201F	16
17	RECEP - CLG - RM #205	20 A	...	20 A	LTG - RM#20042	18
19	SPARE	20 A	...	20 A	LTG - STAIR 20001	20
21	SPARE	20 A	...	20 A	RECEP - RM #201A	22
23	SPARE	20 A	...	20 A	(E) SERVICE VAULT 117 - GENERAL FAN 1	24
25	SPARE	20 A	...	20 A	RECEP - RM #201G, #201F	26
27	SPARE	20 A	...	20 A	RECEP - RM #201F	28
29	SPARE	20 A	...	20 A	RECEP - AV - RM #20042	30
31	SPARE	20 A	...	20 A	RECEP - RM #20042 & EXT	32
33	SPARE	20 A	...	20 A	RECEP - SE EXT	34
35	SPARE	20 A	...	20 A	SPARE	36
37		20 A	...	20 A	SPARE	38
39	LLP-2A (E)	70 A	...	20 A	ELEVATOR SHUNT TRIP - RM#10071	40
41			...	20 A	RECEP - ELEC RM#20060	42
Load Classification						

② LLP-2-1(S2) (E)

Mains Type: MLO		Volts: 208Y/120V		Location: ELEC. CL 20060				
Mains Rating: 200 A		Phases: 3		Enclosure: Type 1				
A.I.C. Rating:		Wires: 4		Mounting: SURFACE				
			A	B	C			
CKT	Circuit Description	Trip				Trip	Circuit Description	CKT
43	CORD REEL - EQ-7 - RM #201B	20 A	...			20 A	RECEP - EQ-10 - RM #201B	44
45	CORD REEL - EQ-5 - RM #201B	20 A	...			20 A	RECEP - EQ-12 - RM #201B	46
47	SMR RECEP - EQ-9 - RM #201B	20 A	...			20 A	(ER) GFI TOILET RM 20020 & 20021	48
49	SMR RECEP - RM #201B	20 A	...			20 A	RECEP - RM #201D	50
51		20 A	...			20 A	RECEP - RM #201D	52
53	SMR RECEP - EQ-8 - RM #201B	20 A	...			20 A	RECEP - RM #201D	54
55	RECEP - RM #201B	20 A	...			20 A	RECEP - RM #201D	56
57	SPARE	20 A	...			20 A	SPARE	58
59	SPARE	20 A	...			20 A	SPARE	60
61	SPARE	20 A	...			20 A	SPARE	62
63	SPARE	20 A	...			20 A	SPARE	64
65	PROJECTOR - RM #201	20 A	...			20 A	SPARE	66
67	UNDER-COUNTER AV RECEP - RM #201	20 A	...			20 A	SPARE	68
69	RECEP - RM #201D	20 A	...			20 A	SPARE	70
71	RECEP & POKETHRU - RM #201D	20 A	...			20 A	SPARE	72
73	RECEP - RM #201C	20 A	...			20 A	(E) POWER METER	74
75	RECEP & POKETHRU - RM #201C	20 A	...			20 A	SPARE	76
77	POKE-THRU RECEPS - RM #201	20 A	...			20 A	SPARE	78
79	POKE-THRU RECEPS - RM #201	20 A	...			20 A	SPARE	80
81	POKE-THRU RECEPS - RM #201	20 A	...			20 A	EXT POWER - WALKWAY	82
83	POKE-THRU RECEPS - RM #201	20 A	...			20 A	EXT POWER - WALKWAY	84
Load Classification								

PP-1 (E)

Mains Type: MLO		Volts: 208Y/120V		Location: MECH ROOM 10060		
Mains Rating: 200 A		Phases: 3		Enclosure: Type 1		
A.I.C. Rating: 22k		Wires: 4		Mounting: SURFACE		
	Circuit Description	Trip	A B C	Trip	Circuit Description	
CKT 1	DRY SPRINKLER - N2 GEN - RM#10061	20 A	...			CKT 2
3	DRY SPRINKLER - AIR COMP - RM#10061	20 A	...	20 A	HWP-1 - MECH RM#10060	4
5			...			6
7	CWP-1A - MECH RM#10060	45 A	...			8
9			...	20 A	HWP-2 - MECH RM#10060	10
11	(E) EBH - ELEC RM#20060	20 A	...	20 A	UL-1 - MECH RM#10060	12
13	CUH-3 - CORRIDOR #10041	20 A	...	20 A	FLOW METERS RM#10060	14
15			...	20 A	(E) CX-1 - MECH RM#10060	16
17			...	20 A		18
19	CWP-1B - MECH RM#10060	45 A	...	20 A	COMPRESSED AIR DRYER - MECH RM#10060	20
21			...			22
23			...			24
25	GWP-1A - MECH RM#10060	30 A	...	20 A	GWP-2 - MECH RM#10060	26
27			...	20 A	SPARE	28
29			...	20 A	FCU-205 - MECH RM#10060	30
31	(E) DUPLEX SEWAGE EJECTOR - MECH RM#10060	50 A	...	20 A	EF-3 - MECH RM#10060	32
33			...	20 A	SPARE	34
35			...	20 A	DWH-1 - MECH RM#10060	36
37	GWP-1B - MECH RM#10060	30 A	...	20 A	RP-1 - MECH RM#10060	38
39			...	20 A	RP-2 - MECH RM#10060	40
41	(E) DAMPER - MECH RM#10060	30 A	...	20 A	(E) PANEL REC	42
Load Classification				20 A	(ER) BMS PANELS - MECH RM#10060	

① LLP-1-1(S2) (E)

Mains Type: MCB		Volts: 208Y/120V		Location: MECH ROOM 10060				
Mains Rating: 200 A		Phases: 3		Enclosure: Type 1				
A.I.C. Rating: 22k		Wires: 4		Mounting: SURFACE				
			A	B	C			
CKT	Circuit Description	Trip				Trip	Circuit Description	CKT
43	(E) GFI RM 111, 112, CORR 110	20 A	...	...	...	20 A	(E) RECEP - JC RM#10061	44
45						20 A	CORD REELS - RM #101C	46
47	EQ-38 - RM #101C	60 A	...	...	...	20 A	RECEP - RM #101C	48
49						20 A	RECEP - EQ-39 - RM #101C	50
51						20 A	RECEP - EQ-39 - RM #101C	52
53	EQ-37 - RM #101C	40 A	...	...	...	20 A	RECEP - EQ-39 - RM #101C	54
55						20 A	RECEP - EQ-37-VS & EQ-38-VS - RM #101C	56
57	SHUNT-TRIP CKT - ROOM #101B	20 A	...	...	...	20 A	RECEP - EQ-3 - RM#101	58
59	CORD REEL - RM #101	20 A	...	...	...	20 A	RECEP - EQ-3 - RM#101	60
61	CORD REEL - RM #101	20 A	...	...	...	20 A	RECEP - RM#101	62
63	CORD REEL - RM #101	20 A	...	...	...	20 A	(ER) FACP - VESTIBULE RM#10040	64
65	CORD REEL - RM #101	20 A	...	...	...	20 A	RECEP - RM#101	66
67	CORD REEL - RM #101	20 A	...	...	...			68
69	CORD REEL - RM #101A	20 A	...	...	...			70
71	CORD REEL - RM #101A	20 A	...	...	...			72
73	RECEP - RM #101A	20 A	...	...	...			74
75	RECEP - RM #101A	20 A	...	...	...	20 A	ESP-1 RM # 10070	76
77	RECEP - RM#103	20 A	...	...	...	20 A	(E) RECEP UNDER BMS PANEL - MECH RM#10060	78
79	RECEP - RM#103	20 A	...	...	...			80
81	CORD REEL - RM #103	20 A	...	...	...	20 A	EQ-33B, 33C, 33D, 33E RM #103	82
83	RECEP - EQ-44 - RM #103	20 A	...	...	...	20 A	EQ-33A RM #103	84
Load Classification								

① LLP-1-1(S1) (E)

Mains Type: MCB		Volts: 208Y/120V		Location: MECH ROOM 10060		
Mains Rating: 200 A		Phases: 3		Enclosure: Type 1		
A.I.C. Rating: 22k		Wires: 4		Mounting: SURFACE		
CKT	Circuit Description	Trip	A B C	Trip	Circuit Description	CKT
1	LTG - RMS #10060, #10061, #10062	20 A	...	20 A	ACCESS CONTROLS - RM# 10062	2
3	LTG - RMS #10020, #10021, #10041, #101C	20 A	...	20 A	ACCESS CONTROLS - RM# 10062	4
5	LTG - RMS #102, #102B, EXT	20 A	...	20 A	RECEP - RM# 10062	6
7	LTG - RM #101	20 A	...	20 A	RECEP - RM# 10060	8
9	LTG - RMS #101A, #101B, #103	20 A	...	20 A	RECEPTACLE RM #10070	10
11	SPARE	20 A	...	20 A	RECEPTACLE RM #10071	12
13	SPARE	20 A	...	20 A	SPARE	14
15	SPARE	25 A	...	20 A	SPARE	16
17	SPARE	25 A	...	20 A	SPARE	18
19	SPARE	20 A	...	20 A	SPARE	20
21	SPARE	20 A	...	20 A	SPARE	22
23	SPARE	20 A	...	20 A	SPARE	24
25	SPARE	20 A	...	20 A	SPARE	26
27	SPARE	20 A	...	20 A	SPARE	28
29	SPARE	20 A	...	20 A	SPARE	30
31	(ER) OUTSIDE LIGHTS - EAST	20 A	...	20 A	SPARE	32
33	(ER) OUTSIDE LIGHTS - NORTH & EAST	20 A	...	20 A	SPARE	34
35	(ER) OUTSIDE LIGHTS - WEST	20 A	...	20 A	SPARE	36
37	CONTACTOR - EXT LTG - MECH RM#10060	20 A	...	20 A	SPARE	38
39		20 A	...	20 A	SPARE	40
41	LTG INVERTER - 8KW - MECH RM#10060	50 A	...	20 A	SPARE	42
Load Classification						

AN JOB NO:

24213

REV. NO. REV. DATE REV. DESCRIPTION
1 2026.10.16 ADDENDUM 1

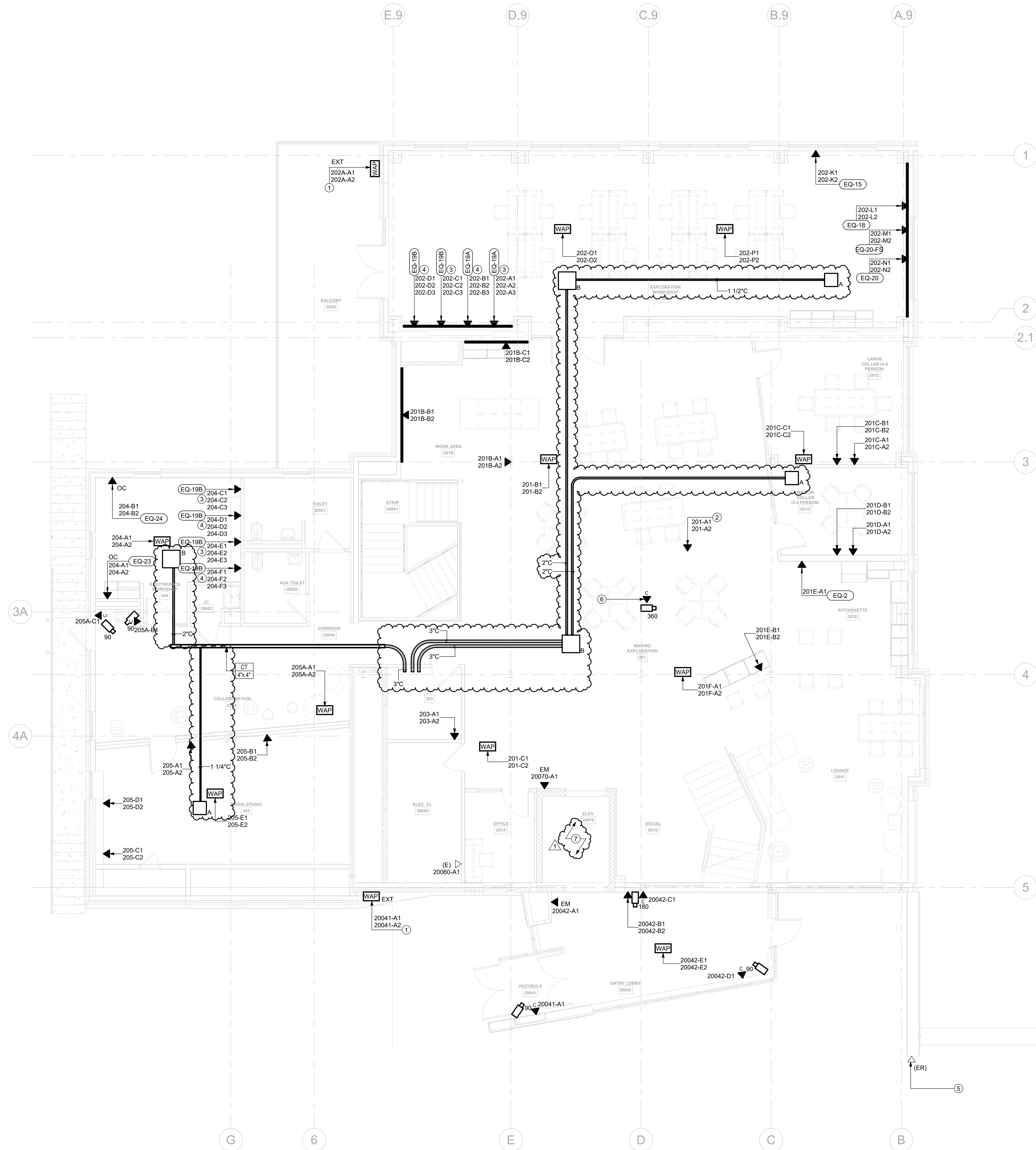
PROJECT STATUS: BID DOCUMENTS

DATE ISSUED: 2026.09.14

PANELBOARD
SCHEDULES -
ELECTRICAL

E601R

Autodesk Docs://Cornell University Beebe Hall Maker Hub Reno240488_CU_Beebe_Reno_ELEC_Cloud_R25.mv



GENERAL NOTES

- A. WIRELESS ACCESS POINTS IN AREAS WITH EXPOSED CEILINGS SHALL BE PENDANT-MOUNTED AT THE SAME LEVEL AS LIGHT FIXTURES IN THE SAME AREA.
- B. ALL INTERIOR WIRELESS ACCESS POINTS TO BE CEILING-MOUNTED OR PENDANT-MOUNTED. DO NOT WALL-MOUNT WIRELESS ACCESS POINTS UNLESS CIT PROVIDES SPECIFIC WRITTEN DIRECTION.
- C. CONDUIT PATHWAYS ARE DIAGRAMMATIC. PROVIDE SUFFICIENT PATHWAYS FOR ALL CABLES SHOWN. +25% CAPACITY. AT MINIMUM PROVIDE ALL PATHWAYS AND PULL BOXES AS SHOWN. ALL DATA DROPS TO ROUTE TO PULL BOXES, CABLE TRAYS, OR BACK TO TELECOM ROOM. ROUTE CONDUITS OUT OF THE WAY OF OTHER TRADES WORK. ALL PULL BOXES TO BE LABELED AS "DATA" ON COVER. ALL PULL BOXES TO BE ACCESSIBLE.

(X) DRAWING NOTES:

- 1 EXTERIOR WALL-MOUNTED WIRELESS ACCESS POINTS FOR EXTERIOR PLAZA SPACES.
- 2 DATA DROP SERVES CEILING-MOUNTED AV DEVICES. REFER TO AV DRAWINGS FOR MORE INFORMATION.
- 3 PROVIDE THREE-PORT DATA DROP IN UPPER WIREMOLD SECTION.
- 4 PROVIDE THREE-PORT DATA DROP IN LOWER WIREMOLD SECTION.
- 5 SURGE DROP FOR EXISTING EMERGENCY BLUE PHONE LIGHT 404. PROVIDE (3) CAT 6A CABLES. PROVIDE SURGE DTEK SURGE MODULES AFTER CABLES ENTER BUILDING. PROVIDE JUNCTION BOX FOR MODULES. PROVIDE GROUND WIRE TO BUILDING STEEL.
- 6 CAMERA TO BE CEILING-MOUNTED. COORDINATE FINAL LOCATION WITH ACCESS CONTROL AND VIDEO SECURITY GROUP.
- 7 REFER TO ELEVATOR CONTROL ROOM 10071 ON DRAWING TE200 FOR DATA CONNECTIONS ASSOCIATED WITH ELEVATOR COMPONENTS.



ASHLEY MCGRAW
125 EAST JEFFERSON STREET
SYRACUSE, NEW YORK 13202

CONSULTANT:



ENGINEERING
is now Salas O'Brien

Rochester | Buffalo | Syracuse | Capital District
300 TROLLEY BLVD. 585.288.5590
ROCHESTER, NY 14607 www.mreengineering.com
Project #: 240488

SEAL:



Reg. Exp: 04/30/2029
 Cert. of Auth: 0018443

OWNER

CORNELL UNIVERSITY
ITHACA, NEW YORK 14853

CORNELL UNIVERSITY
BEEBE HALL CU MAKER HUB RENOVATIONS
110 ARBORETUM RD.,
ITHACA, NY 14850

AM JOB NO.

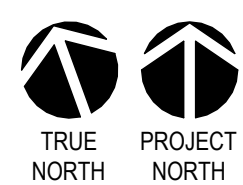
24213

REV. NO.	REV. DATE	REV. DESCRIPTION
1	2026.10.06	ADDENDUM 1

PROJECT STATUS:
BID DOCUMENTS

DATE ISSUED: 2026.09.14

**FLOOR PLAN - LEVEL
02 - TELECOM**



TE201R

© 2023 - ASHLEY MCGRAW ARCHITECTS

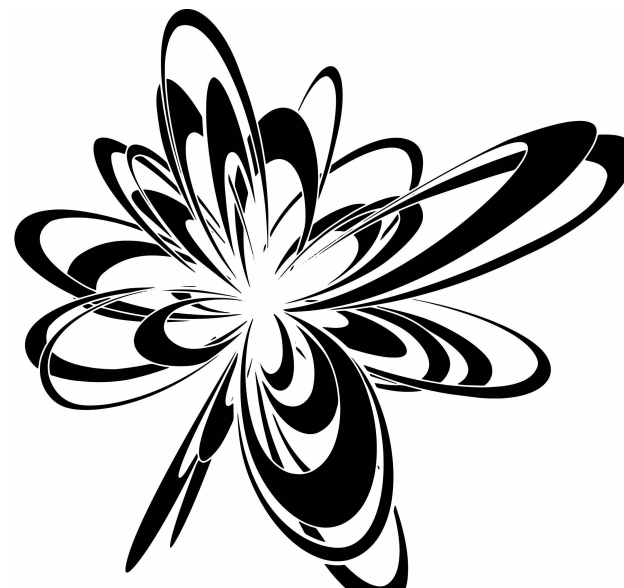
THIS DOCUMENT WAS PREPARED UNDER THE DIRECT SUPERVISION OF A LICENSED PROFESSIONAL. THE DOCUMENT AND ALL THE DATA CONTAINED HEREIN ARE THE PROPERTY OF THE FIRM AND ARE NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN PERMISSION OF THE FIRM. ANY REUSE OR ALTERATION OF THIS DOCUMENT IN ANY WAY WITHOUT THE WRITTEN PERMISSION OF THE FIRM IS A VIOLATION OF THE PROFESSIONAL ARCHITECT'S ETHICS.

THESE DRAWINGS ARE TO BE EXACTLY THE RESULT OF THE DESIGN AND CONSTRUCTION.

THE SQUARE ABOVE IS COLOR WITH BLACK AND WHITE LETTERS & PRINTED CORRECTLY

10/30/2026 4:19:55 PM

\\dsdnet-ds01\c001\Cornell University\Beebe Hall Maker Hub\Renov240488_CU_Beebe_Hall_Reno_ELEC_Cloud_R05.rvt



ASHLEY MCGRAW
125 EAST JEFFERSON STREET
SYRACUSE, NEW YORK 13202

CONSULTANT:



ENGINEERING

1000 J Salas O'Brien

Rochester | Buffalo | Syracuse | Capital District
300 TROSCY BLVD. 585.288.5500
ROCHESTER, NY 14607 www.mcgraweng.com
Project # 240488

SEAL:



Reg. Exp. 04/30/2029
Cert. of Auth. 0018443

OWNER:

CORNELL UNIVERSITY
ITHACA, NEW YORK 14853

CORNELL UNIVERSITY
BEEBE HALL CU MAKER HUB RENOVATIONS
110 ARBORETUM RD.,
ITHACA, NY 14850

AN JOB NO.

24213

REV.	DATE	DESCRIPTION
1	2026.10.06	ADDENDUM 1

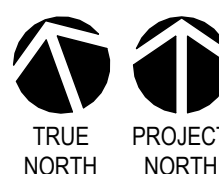
PROJECT STATUS:

BID DOCUMENTS

DATE ISSUED:

2026.09.14

FLOOR PLAN - LEVEL
01 - SECURITY



YE200R

© 2023 - ASHLEY MCGRAW ARCHITECTS

GENERAL NOTES

A ALL ACCESS CONTROLS TO BE WIRED BACK TO HEAD END EQUIPMENT IN ACCESS CONTROL ROOM 10072. JUNCTION BOXES ABOVE DOORS TO PROVIDE INTERFACE BETWEEN DOOR HARDWARE TO ACCESS CONTROL CABLING.

B UNLESS OTHERWISE NOTED, ALL CAMERAS TO BE INSTALLED AT 84" AFF ON WALL. COORDINATE LOCATIONS AND MOUNTING WITH ARCHITECT.

C ALL CABLING FOR SECURITY EQUIPMENT, INCLUDING CAMERAS AND ACCESS CONTROL, TO BE IN RACEWAYS.

DRAWING NOTES:

1 REINSTALL (6) HEAD-END ACCESS CONTROL PANELS. REWORK AND EXTEND CIRCUITRY AS NECESSARY FOR A COMPLETE AND FUNCTIONAL SYSTEM.

2 REFER TO TELECOM DRAWING TE200 FOR DATA DROP ADDED IN THE ACCESS CONTROL ROOM.

3 DOOR CONTACT INSTALLED IN EXSITING DOOR CONTACT LOCATION. REWORK WIRING AS NEEDED FOR A COMPLETE INSTALLATION.

4 CONTRACTOR TO PROVIDE DEDICATED INPUT AND OUTPUT BOARDS. DOORS WITH ONLY DOOR CONTACTS SHALL BE CONNECTED AND PROGRAMMED AS INDIVIDUAL DOORS.

5 CARD READER LOCATION AND DEVICE TO BE REUSED. PROVIDE NEW WIRING BACK TO ACCESS CONTROL ROOM.

6 PROVIDE GASKET BETWEEN CARD READER AND BUILDING EXTERIOR.

7 REFER TO ELEVATOR CONTROL ROOM 10071 ON DRAWING TE200 FOR DATA CONNECTIONS ASSOCIATED WITH ELEVATOR COMPONENTS, INCLUDING TWO-WAY COMMUNICATION AND SECURITY CAMERA.

8 PROVIDE PROVISIONS FOR ELEVATOR CARD READER ADJACENT TO ELEVATOR CONTROLLER.

1 FLOOR PLAN - LEVEL 01 - SECURITY
3/16" = 1'-0"

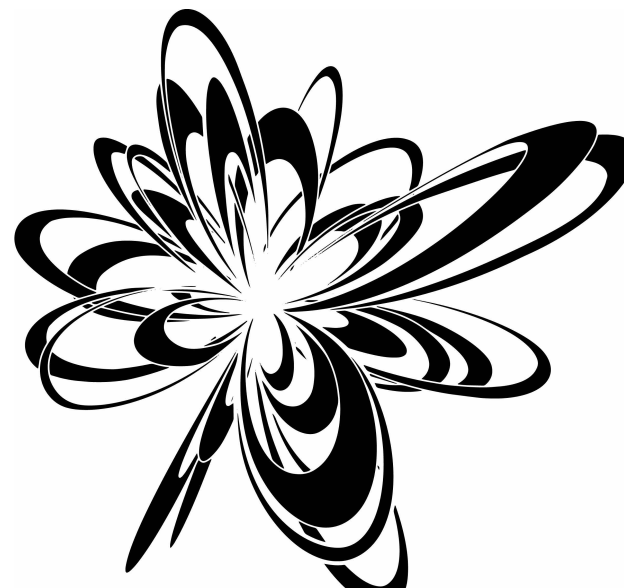
THESE DOCUMENTS WERE PREPARED UNDER THE DIRECT SUPERVISION OF A LICENSED PROFESSIONAL. THE DOCUMENTS AND ALL THE DATA CONTAINED HEREIN ARE THE PROPERTY OF ASHLEY MCGRAW ARCHITECTS. NO PART OF THESE DOCUMENTS OR ANY INFORMATION CONTAINED HEREIN MAY BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT PERMISSION IN WRITING FROM ASHLEY MCGRAW ARCHITECTS. IT IS A VIOLATION OF THE PROFESSIONAL SEAL OF ASHLEY MCGRAW ARCHITECTS TO REPRODUCE OR TRANSMIT THESE DOCUMENTS IN ANY MANNER WITHOUT THE WRITTEN PERMISSION OF ASHLEY MCGRAW ARCHITECTS.

THE LINE SHOWN ABOVE IS THE EXACT LINE OF THE BUILDING AS IT IS LOCATED ON THE GROUND.

THE SQUARE ABOVE ARE COLORED WITH BLACK AND WHITE LETTERS IF PRINTED CORRECTLY.

10/30/2026 4:20:17 PM

\\addres.dos\c:\cortell\university\Beebe Hall Maker Hub Reno\240488_CU_Beebe_Hall_Reno_ELEC_Cloud_R25.rvt



ASHLEY MCGRAW
125 EAST JEFFERSON STREET
SYRACUSE, NEW YORK 13202

CONSULTANT:



ENGINEERING

1000 Salas O'Brien

Rochester | Buffalo | Syracuse | Capital District
300 TRICKEY BLVD. 585.288.5500
ROCHESTER, NY 14607 www.mcgrawengineering.com
Project # 240488

SEAL:



Reg. Exp. 04/30/2029
Cert. of Auth. 0018443

OWNER:

CORNELL UNIVERSITY
ITHACA, NEW YORK 14853

CORNELL UNIVERSITY
BEEBE HALL CU MAKER HUB RENOVATIONS
110 ARBORETUM RD.,
ITHACA, NY 14850

AN JOB NO.:

24213

REV.	DATE	DESCRIPTION
1	2026.10.06	ADDENDUM 1

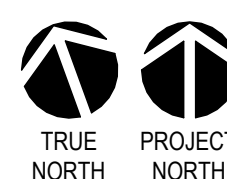
PROJECT STATUS:

BID DOCUMENTS

DATE ISSUED:

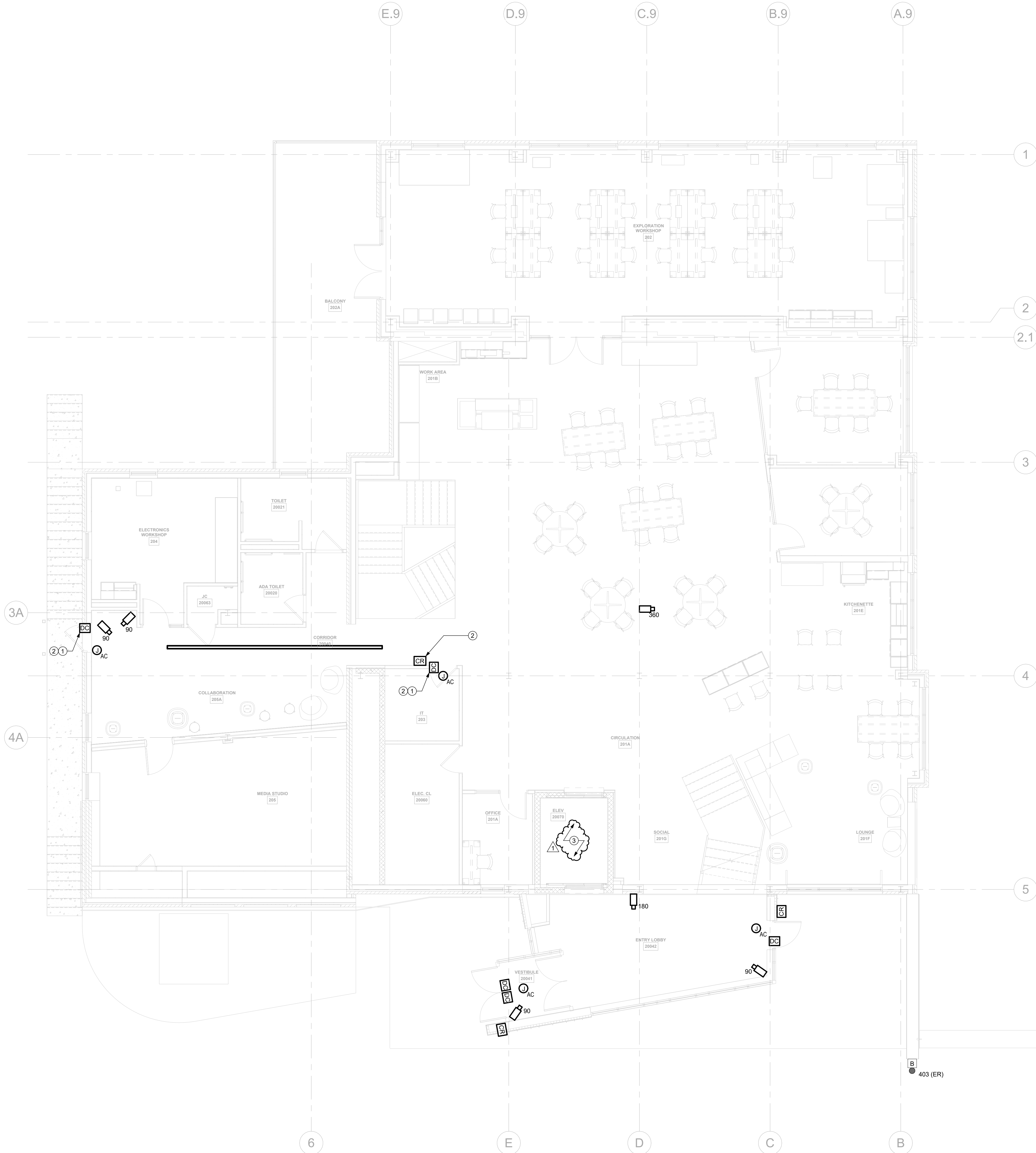
2026.09.14

FLOOR PLAN - LEVEL
02 - SECURITY



YE201R

© 2023 - ASHLEY MCGRAW ARCHITECTS



1 FLOOR PLAN - LEVEL 02 - SECURITY
3/16" = 1'-0"

RFI Form

RFI/ Response Index	Page/ Dwg./Spec./Rep. Number	Section/ Paragraph/Topic	RFI	Design Team Response
1			The response form does not have a place to put unit prices, please provide a location for unit prices.	The Unit Pricing sheet is on the last page of the Instruction to Bidders, page INS-8.
2	C400		The trench drain detail on 11/C400 does not show any concrete or stone to support the ndrain body. Please provide a detail that shows the desired installation method	See Addendum No. 1, Item 8. Refer to detail 11.
3	AD101		Note DE.2 says to refer to elevator drawings for removal of elevator. Please provide existing elevator drawings.	See Addendum No. 1, Items 9 and 10. Elevator demolition note has been updated to reflect complete removal of the existing elevator and associated elements. Refer to demo key note DE.2 for elevator removal.
4	A621		WD-1 is not included on the Finish Material Legend please provide clarification	WD-1 is used to generally refer to components constructed of WD-1A, WD-1B, and/or WD-1C in combination, rather than a unique material. Refer to millwork and stair details on A403, A404, A501, A502, and A503 for more information on construction of individual components.
5	A102		What is the size of the acoustically rated access panel in room 205 Media Stuidio	See Addendum No. 1, Item 12. Access panel in room 205 Media Studio has been deleted.
6	A621		Please confirm that there are no Stainless Steel Corner Guards(Note 4 on Finish Schedule) required on Level 02	No corner guards are required on Level 02. Provide corner guards only in rooms where note 4 is indicated on finish schedule.
7	A121		Dteail E4 on A121 is shown in the Mechaincal Room 10060. Please confirm that this is the only place where a spring isolated ceiling is is required.	The spring isolated ceiling system detailed E4 on A121 is to be applied to the entire Mechanical Room 10060 only.
8	Section 07 4623		Please provide a spec for the wood plank ceiling , and wood slat soffit	See Addendum No. 1, Item 5. This new Section covers the material to be used for the wood plank ceiling and wood slat soffit.
9			The exterior wall sheathing is specified to be 7/16"OSB Laminated to Insulation Board, what is the insulation thickness?	See Addendum No. 1, Items 3 and 4. Sheathing has been changed to 3/4" plywood laminated to insulation board. Insulation thickness to be 2-1/2".
10			Keyed Note E2 on drawings A101 and A102 say that the toilet accessories are owner furnished, yet the specification calls out toilet accessories to be provided under contract. Please clarify.	Refer to specification section 10 2800 for contractor furnished and Owner furnished toilet accessories.
11			There is an exisiting canopy @ Dr 10041-1 that is not indicated to be removed. However, at the pre-bide walk through it was mentioned that the canopy is shown to be removed. Please advise where it is shown to be removed.	See Addendum No. 1, Items 9 and 10. The demo drawings have been updated to better capture the demolition and removal of the noted canopy. Refer to note DR.6.
12			Please provide an attachment method for the solid surface wall panels in the Clay Studio Rm 101C	Refer to Specification Section 10 2600. Solid surface wall panels are to be adhered with manufactuer recommended compatable adhesive.