CORNELL UNIVERSITY
FACILITIES CONTRACTS
121 HUMPHREYS SERVICE BUILDING
ITHACA, NEW YORK 14853-3701

COMSTOCK HALL 5TH FLOOR LAB
AND SUPPORT SPACE RENOVATIONS

ADDENDUM NO. 2

January 5, 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.

Note: Any specified materials, equipment, systems, etc., shall have "or equal to" added to the description if not already there. Contractors should note any substitutions in their bid submission.

TECHNICAL SPECIFICATIONS

Item 1. Section 12 35 53.13 Metal Laboratory Casework

DELETE in its entirety,

REPLACE with revised Section 12 35 53.13 Metal Laboratory Casework, attached.

DRAWINGS

Item 2. DRAWING AD-101R – Fifth Floor Demolition Plan

DELETE in its entirety,

REPLACE with revised Drawing AD-101R dated 1/5/2026, attached.

Item 3. DRAWING A-101R – Fifth Floor Plan

DELETE in its entirety,

REPLACE with revised Drawing A-101R dated 1/5/2026, attached.

Item 4. DRAWING A-130 – Fifth Floor Reflected Ceiling Plan

DELETE in its entirety,

REPLACE with revised Drawing A-130R dated 1/5/2026, attached.

Item 5. DRAWING A-501 – Lab Casework Details

DELETE in its entirety,

REPLACE with revised Drawing A-501R, attached.

Item 6. DRAWING PD-101 – Fifth Floor Demolition Plan - Plumbing

DELETE in its entirety,

REPLACE with revised Drawing PD-101R, attached.

Item 7. RFI Questions and Clarifications

See RFI Log (Items 7 – 22)

Attachments: Section 12 35 53.13
(Revised) Drawings: AD-101R, A-101R, A-130R, A-501R and PD-101R
RFI Log (Items 1 – 22)

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

SECTION 12 35 53.13 - METAL LABORATORY CASEWORK

PART 1 - GENERAL

1.1 SUMMARY

A. Section Includes:
1. Metal laboratory casework.
2. Freestanding adaptable table system - Fixed height tables.
3. Freestanding adaptable table system - Adjustable height tables.
4. Utility-space framing at backs of base cabinets.
5. Filler and closure panels.
6. Laboratory countertops.
7. Shelves.
8. Laboratory sinks.
9. Laboratory accessories.

1.2 PREINSTALLATION MEETINGS

A. Preinstallation Conference: Conduct conference at Project site.

B. Keying Conference: Conduct conference at Project site. Incorporate keying conference decisions into final keying requirements.

1.3 COORDINATION

A. Coordinate layout and installation of framing and reinforcements for support of laboratory casework.

B. Coordinate installation of laboratory casework with installation of laboratory equipment.

1.4 ACTION SUBMITTALS

A. Product Data: For each type of product.

B. Shop Drawings: For laboratory casework.
1. Include plans, elevations, sections, and attachments to other work including blocking and reinforcements required for installation.
2. Indicate types and sizes of casework.
3. Indicate manufacturer's catalog numbers for casework.
4. Show fabrication details, including types and locations of hardware.
5. Indicate locations and types of service fittings.
6. Include details of utility spaces showing supports for conduits and piping.
7. Include details of exposed conduits, if required, for service fittings.
8. Indicate locations of and clearances from adjacent walls, doors, windows, other building components, and laboratory equipment.
9. Include coordinated dimensions for laboratory equipment specified in other Sections.

C. Keying Schedule: Include schematic keying diagram, and index each key set to unique designations that are coordinated with the Contract Documents.

D. Samples for Initial Selection: For casework finishes and materials requiring color selection.

E. Samples for Verification: For each type of casework, exposed-hardware, and countertop-material finish, in manufacturer's standard sizes.
   1. Base Cabinet: One full-size, 16-inch- wide, finished base cabinet complete with hardware, doors, and drawers but without countertop.
   2. Wall Cabinet: One full-size, 12-inch- wide, finished wall cabinet complete with hardware, doors, and adjustable shelves.
   3. Full-Size Samples: Maintain at Project site during construction in an undisturbed condition as a standard for judging the completed Work. Unless otherwise indicated, approved sample units may become part of the completed Work if in undisturbed condition at time of Substantial Completion. Notify Architect of their locations.

1.5 INFORMATIONAL SUBMITTALS

A. Qualification Data: For manufacturer.

B. Product Test Reports:
   1. Casework: Based on evaluation of comprehensive tests performed by a qualified testing agency, indicating compliance of laboratory casework with requirements of specified product standard and system structural performance specified in "Performance Requirements" Article.
   2. Countertop Surface Material: Based on evaluation of comprehensive tests performed by a qualified testing agency, indicating compliance of laboratory countertop surface material with requirements specified for chemical and physical resistance.

1.6 MAINTENANCE MATERIAL SUBMITTALS

A. Furnish complete touchup kit for each type and color of casework finish provided. Include fillers, primers, paints, and other materials necessary to perform permanent repairs to damaged laboratory casework finish.

1.7 QUALITY ASSURANCE

A. Manufacturer Qualifications: A qualified manufacturer that produces casework of types indicated for this Project that has been tested for compliance with SEFA 8 M.

1.8 DELIVERY, STORAGE, AND HANDLING

A. Protect finished surfaces during handling and installation with protective covering of polyethylene film or other suitable material.

1.9 FIELD CONDITIONS

A. Environmental Limitations: Do not deliver or install laboratory casework until building is enclosed, utility roughing-in and wet-work are complete, and HVAC system is operating and maintaining temperature and relative humidity at levels planned for building occupants during the remainder of the construction period.

B. Established Dimensions: Where laboratory casework is indicated to fit to other construction, establish dimensions for areas where casework is to fit. Provide allowance for trimming at site, and coordinate construction to ensure that actual dimensions correspond to established dimensions.

C. Field Measurements: Where laboratory casework is indicated to fit to existing construction, verify dimensions of existing construction by field measurements before fabrication and indicate measurements on Shop Drawings. Provide fillers and scribes to allow for trimming and fitting.

D. Locate concealed framing, blocking, and reinforcements that support casework by field measurements before enclosing them, and indicate measurements on Shop Drawings.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

A. Metal Casework:
1. Manufacturers: Subject to compliance with requirements, provide products by one of the following:
   a. Hamilton Laboratory Solutions, LLC.
   b. Kewaunee Scientific Corporation.
   c. Lab Crafters, Inc.
   d. Mott Manufacturing Ltd.

B. Freestanding Adaptable Table System:
1. Product/Manufacturer: Basis of design.
   a. Fixed and Adjustable Height Tables: Altus Series Table system; Mott Manufacturing Ltd.
   b. Fixed Table: Four Leg Table, Model ATF28 Series.
   c. Adjustable Table: Crank-Operated Table Frames, Model ACC2172.

C. Source Limitations: Obtain laboratory casework from single source from single manufacturer unless otherwise indicated.

D. Product Designations: Drawings indicate sizes and configurations of laboratory casework by referencing designated manufacturer's catalog numbers. Other manufacturers' laboratory casework of similar sizes and similar door and drawer configurations and complying with Specifications may be considered.

2.2 PERFORMANCE REQUIREMENTS

A. System Structural Performance: Laboratory casework and support framing system shall withstand the effects of the following gravity loads and stresses without permanent deformation, excessive deflection, or binding of drawers and doors:
   1. Support Framing System: 600 lb/ft..
   2. Work Surfaces (Including Tops of Suspended Base Cabinets): 160 lb/ft..
   3. Wall Cabinets (Upper Cabinets): 160 lb/ft..
   4. Shelves: 40 lb/sq. ft..

2.3 CASEWORK, GENERAL

A. Casework Product Standard: Comply with SEFA 8 M, "Laboratory Grade Metal Casework."

B. Flammable Liquid Storage: Where cabinets are indicated for solvent or flammable liquid storage, provide units that are listed and labeled as complying with requirements in NFPA 30 by FM Approvals.

C. Electrical Components, Devices, and Accessories: Listed and labeled as defined in NFPA 70, by a qualified testing agency, and marked for intended location and application.

2.4 METAL CASEWORK MATERIALS

A. Steel Sheet: Cold-rolled, commercial steel (CS) sheet, complying with ASTM A1008/A1008M; matte finish; suitable for exposed applications.

B. Nominal Metal Thickness:
   1. Sides, Ends, Fixed Backs, Bottoms, Tops, Soffits, and Items Not Otherwise Indicated: 0.048 inch. Except for flammable liquid storage cabinets, bottoms may be 0.036 inch if reinforced.
   2. Back Panels, Doors, Drawer Fronts and Bodies, and Shelves: 0.036 inch except 0.048 inch for back panels and doors of flammable liquid storage cabinets and for unreinforced shelves more than 36 inches long.
   3. Intermediate Horizontal Rails, Table Aprons and Cross Rails, Center Posts, and Top Gussets: 0.060 inch.
   4. Drawer Runners, Sink Supports, and Hinge Reinforcements: 0.075 inch.
   5. Leveling and Corner Gussets: 0.105 inch.

2.5 AUXILIARY CABINET MATERIALS

A. Acid Storage-Cabinet Lining: 1/4-inch- thick, polyethylene, polypropylene, epoxy, or phenolic-composite lining material.

B. Tempered Glass for Glazed Doors: Clear tempered glass complying with ASTM C1048, Kind FT, Condition A, Type I, Class 1, Quality-Q3; not less than 5.0 mm thick.

C. Laminated Glass for Glazed Doors: Clear laminated annealed glass complying with ASTM C1172, Kind LA, Condition A, Type I, Class I, Quality-Q3; with two plies not less than 3.0 mm thick and with clear, polyvinyl butyral interlayer.

2.6 CABINET HARDWARE

A. General: Provide laboratory casework manufacturer's standard, commercial-quality, heavy-duty hardware complying with requirements indicated for each type.

B. Hinges: Stainless -steel, five-knuckle hinges complying with BHMA A156.9, Grade 1, with antifriction bearings and rounded tips. Provide two for doors 48 inches high or less and three for doors more than 48 inches high.

C. Hinged-Door and Drawer Pulls: Stainless steel, back-mounted pulls. Provide two pulls for drawers more than 24 inches wide.
   1. Design: Wire pulls.
   2. Overall Size: As selected from manufacturer's full range.

D. Door Catches: Dual, self-aligning, permanent magnet catches. Provide two catches on doors more than 48 inches high.

E. Drawer Slides: ANSI/BHMA A156.9.
   1. Manufacturer's standard.
   2. Heavy Duty (Grade 1HD-100): Side mount.
      a. Type: Full overtravel extension.
      b. Material: Zinc-plated ball bearing slides.
      c. Motion Feature: Self-closing mechanism.
   3. General-purpose drawers; provide 100 lb load capacity.
   4. File drawers; provide 150 lb load capacity.

F. Label Holders: Stainless steel, aluminum, or chrome plated; sized to receive standard label cards approximately 1 by 2 inches, attached with screws or rivets. Provide on drawers.

G. Locks: Cam or half-mortise type, brass with chrome-plated finish; complying with BHMA A156.11, Type E07281, Type E07111, or Type E07021.
   1. Tumbler: Five pin.
   2. Lock Locations: Provide on drawers and doors.
   3. Keying: Key locks as directed by Owner.
      a. Master key for up to 500 key changes.
   4. Key Quantity: Minimum of two keys per lock.
   5. Master Key System: Key locks to be operable by master key.
      a. Master Keys: Provide two.

2.7 COUNTERTOP, TABLETOP, AND SINK MATERIALS

A. Epoxy: Factory-molded, modified epoxy-resin formulation with smooth, nonspecular finish.
   1. Physical Properties:

a. Flexural Strength: Not less than 10,000 psi.
b. Modulus of Elasticity: Not less than 2,000,000 psi.
c. Hardness (Rockwell M): Not less than 100.
d. Water Absorption (24 Hours): Not more than 0.02 percent.
e. Heat Distortion Point: Not less than 260 deg F.

2. Chemical Resistance: Epoxy-resin material has the following ratings when tested with indicated reagents according to NEMA LD 3, Test Procedure 3.4.5:
   a. No Effect: Acetic acid (98 percent), acetone, ammonium hydroxide (28 percent), benzene, carbon tetrachloride, dimethyl formamide, ethyl acetate, ethyl alcohol, ethyl ether, methyl alcohol, nitric acid (70 percent), phenol, sulfuric acid (60 percent), and toluene.
   b. Slight Effect: Chromic acid (60 percent) and sodium hydroxide (50 percent).
3. Basis-of-Design: Durcon – A Wilsonart Company
4. Color: Gray.

2.8 METAL CABINETS AND TABLES

A. Fabrication: Assemble and finish units at point of manufacture. Use precision dies for interchangeability of like-size drawers, doors, and similar parts. Perform assembly on precision jigs to provide units that are square. Reinforce units with angles, gussets, and channels. Except where otherwise specified, integrally frame and weld cabinet bodies to form dirt- and vermin-resistant enclosures. Where applicable, reinforce base cabinets for sink support. Maintain uniform clearance around door and drawer fronts of 1/16 to 3/32 inch.

B. Flush Doors: Outer and inner pans that nest into box formation, with full-height channel reinforcements at center of door. Fill doors with noncombustible, sound-deadening material.

C. Glazed Doors: Hollow-metal stiles and rails of similar construction as flush doors, with glass held in resilient channels or gasket material.

D. Hinged Doors: Mortise for hinges and reinforce with angles welded inside inner pans at hinge edge.

E. Drawers: Fronts made from outer and inner pans that nest into box formation, without raw metal edges at top. Sides, back, and bottom fabricated in one piece with rolled or formed top of sides for stiffening and comfortable grasp for drawer removal.

F. Adjustable Shelves: Front, back, and ends formed down, with edges returned horizontally at front and back to form reinforcing channels.

G. Toe Space: Fully enclosed, 4 inches high by 3 inches deep, with no open gaps or pockets.

H. Tables: Welded tubing legs, not less than 2 inches square with channel stretchers as needed to comply with product standard. Weld or bolt stretchers to legs and cross-

stretchers, and bolt legs to table aprons. Provide leveling device welded to bottom of each leg.

1. Leg Shoes: Black vinyl or rubber, open-bottom, slip-on type.

I. Utilities: Provide space, cutouts, and holes for pipes, conduits, and fittings in cabinet bodies to accommodate utility services and their support-strut assemblies.

1. Provide base cabinets with removable backs for access to utility space.

J. Utility-Space Framing: Steel framing units consisting of two steel slotted channels complying with MFMA-4, not less than 1-5/8 inches square by 0.105-inch nominal thickness, that are connected at top and bottom by U-shaped brackets made from 1-1/4-by-1/4-inch steel flat bars. Framing units may be made by welding channel material into rectangular frames instead of using U-shaped brackets.

K. Filler and Closure Panels: Provide where indicated and as needed to close spaces between casework and walls, ceilings, and equipment. Fabricate from same material and with same finish as casework and with hemmed or flanged edges unless otherwise indicated.

1. Provide knee-space panels (modesty panels) at spaces between base cabinets, where cabinets are not installed against a wall or where space is not otherwise closed. Fabricate from back-to-back panels or of hollow construction to eliminate exposed hemmed or flanged edges.
2. Provide utility-space closure panels at spaces between base cabinets where utility space would otherwise be exposed, including spaces below countertops.
3. Provide closure panels at ends of utility spaces where utility space would otherwise be exposed.

2.9 METAL CABINET FINISH

A. General: Prepare, treat, and finish welded assemblies after assembling. Prepare, treat, and finish components that are to be assembled with mechanical fasteners before assembling. Prepare, treat, and finish concealed surfaces same as exposed surfaces.

B. Preparation: After assembly, clean surfaces of mill scale, rust, oil, and other contaminants. After cleaning, apply a conversion coating suited to organic coating to be applied over it.

C. Chemical-Resistant Finish: Immediately after cleaning and pretreating, apply laboratory casework manufacturer's standard two-coat, chemical-resistant, baked-on finish consisting of prime coat and thermosetting topcoat. Comply with coating manufacturer's written instructions for applying and baking to achieve a minimum dry film thickness of 2 mils.

1. Chemical and Physical Resistance of Finish System: Finish complies with acceptance levels of cabinet surface finish tests in SEFA 8 M. Acceptance level for chemical spot test shall be no more than for Level 3 conditions.
2. Colors for Metal Laboratory Casework Finish: As indicated by manufacturer's designations.

2.10 COUNTERTOPS, TABLETOPS AND SINKS

A. Countertops, General: Provide units with smooth surfaces in uniform plane, free of defects. Make exposed edges and corners straight and uniformly beveled. Provide front and end overhang of 1 inch.

B. Sinks, General: Provide sizes indicated or laboratory casework manufacturer's closest standard size of equal or greater volume, as approved by Architect.
   1. Outlets: Provide with strainers and tailpieces, NPS 1-1/2, unless otherwise indicated.
   2. Overflows: For each sink except cup sinks, provide overflow of standard beehive or open-top design with separate strainer. Height 2 inches less than sink depth. Provide in same material as strainer.

C. Epoxy Countertops, Tabletops, and Sinks:
   1. Countertop Fabrication: Fabricate with factory cutouts for sinks, holes for service fittings and accessories, and butt joints assembled with epoxy adhesive and concealed metal splines.
      a. Flat Configuration: 1 inch thick with continuous drip groove on underside 1/2 inch from overhang edge.
         1) Edges and Corners: Beveled.
         2) Backsplash: Applied.
      b. Construction: Uniform throughout full thickness.
   2. Tabletop Fabrication:
      a. Flat Configuration: 1 inch thick with continuous drip groove on underside at perimeter.
         1) Edges and Corners: Beveled.
         2) Edges and Corners: Beveled.
      b. Tabletop Construction: Uniform throughout full thickness.
   3. Sink Fabrication: Molded in one piece with smooth surfaces, coved corners, and bottom sloped to outlet; 1/2-inch minimum thickness.
      a. Provide with polypropylene strainers and tailpieces.
      b. Provide sinks for drop-in installation flush with epoxy countertop.
      c. Drop-in Sink Cutouts: Cutouts shall be profiled to provide support for the sink, and to ensure that the rim of the installed sink is 1/8 inch below the surrounding work surface level or bottom of drain grooves, if present. The top edge of the cutout shall have 1/8 inch bevel. Ensure that there shall be no gaps between the installed sink rim and work surface.

D. Cup Sinks: Provide in material indicated, 3-by-6-inch oval.
   1. Epoxy Cup Sinks: Provide with polypropylene strainers and integral tailpieces.

2.11 LABORATORY ACCESSORIES

A. Reagent Shelves: Provide as indicated, fabricated from same material as metal laboratory casework unless otherwise indicated.
   1. Provide 1-inch-high, stainless steel shelf retainer rods at reagent shelving. Rods to be supported by turrets at the manufacturer’s recommended spacing for each shelf length.

B. Stainless steel Pegboards: Stainless steel pegboards with removable polypropylene pegs and stainless steel drip troughs with drain outlet.

C. Gas Cylinder Wall Bracket:
1. Product/Manufacturer: Basis of design.
a. Wall Mount – Gas Cylinder Bracket, as indicated on Drawings.
b. Cylinder Diameters Supported: 4 to 12 inches.
c. Material: 11 gauge hot rolled steel.
d. Cylinder wall bracket's edges are protected with steel-reinforced vinyl edge guarding to help maintain your cylinders and provide extra grip.
e. Finish: Polyester powder paint.
f. Cylinder straps and cinch style buckles are the primary means of support as they enable cylinder restraint that is tight and secure against the cylinder wall bracket.
g. Bracket straps: 1.5-inch-wide by 54-inch-long woven polypropylene with steel cinch buckle.
h. Provide brackets with chain sets for second means of support.

2.12 ADJUSTABLE WALL SHELVING

A. Basis of design: Labs USA.
1. Wall Standards: FC-1.5 x .5-2B – (Length as indicated on Drawings).
2. Undermount Brackets: FTBL-14 GA-12(L or R)-E.
3. Metal Shelving: 12-inch wide by length as indicated on Drawings.
4. Retaining Lip: Stainless steel retainer rod between turrets mounted to the shelf.

PART 3 - EXECUTION

3.1 EXAMINATION

A. Examine areas, with Installer present, for compliance with requirements for installation tolerances, location of reinforcements, and other conditions affecting performance of the Work.

B. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 INSTALLATION OF CABINETS

A. Comply with installation requirements in SEFA 2. Install level, plumb, and true in line; shim as required using concealed shims. Where laboratory casework abuts other finished work, apply filler strips and scribe for accurate fit, with fasteners concealed where practical. Do not exceed the following tolerances:
1. Variation of Tops of Base Cabinets from Level: 1/16 inch in 10 feet.
2. Variation of Bottoms of Upper Cabinets from Level: 1/8 inch in 10 feet.
3. Variation of Faces of Casework from a True Plane: 1/8 inch in 10 feet.
4. Variation of Adjacent Surfaces from a True Plane (Lippage): 1/32 inch.
5. Variation in Alignment of Adjacent Door and Drawer Edges: 1/16 inch.

B. Utility-Space Framing: Secure to floor with two fasteners at each frame. Fasten to partition framing, wood blocking, or metal reinforcements in partitions and to base cabinets.

C. Base Cabinets: Fasten cabinets to utility-space framing, partition framing, wood blocking, or reinforcements in partitions, with fasteners spaced not more than 16 inches o.c. Bolt adjacent cabinets together with joints flush, tight, and uniform.
   1. Where base cabinets are installed away from walls, fasten to floor at toe space at not more than 24 inches o.c. and at sides of cabinets with not less than two fasteners per side.

D. Wall Cabinets: Fasten to hanging strips, masonry, partition framing, blocking, or reinforcements in partitions. Fasten each cabinet through back, near top, at not less than 16 inches o.c.

E. Install hardware uniformly and precisely.

F. Adjust operating hardware so doors and drawers align and operate smoothly without warp or bind and contact points meet accurately. Lubricate operating hardware as recommended by manufacturer.

3.3 INSTALLATION OF COUNTERTOPS

A. Comply with installation requirements in SEFA 2. Abut top and edge surfaces true in plane with flush hairline joints and with internal supports placed to prevent deflection. Locate joints where indicated on Shop Drawings.

B. Field Jointing: Where possible, make in same manner as shop-made joints, using dowels, splines, fasteners, adhesives, and sealants recommended by manufacturer. Shop prepare edges for field-made joints.

C. Fastening:
   1. Secure countertops, except for epoxy countertops, to cabinets with Z-type fasteners or equivalent, using two or more fasteners at each cabinet front, end, and back.
   2. Secure epoxy countertops to cabinets with epoxy cement, applied at each corner and along perimeter edges at not more than 48 inches o.c.
   3. Where necessary to penetrate countertops with fasteners, countersink heads approximately 1/8 inch and plug hole flush with material equal to countertop in chemical resistance, hardness, and appearance.

D. Provide holes and cutouts required for service fittings.

E. Provide scribe moldings for closures at junctures of countertop, curb, and splash with walls as recommended by manufacturer for materials involved. Match materials and finish to adjacent laboratory casework. Use chemical-resistant, permanently elastic sealing compound where recommended by manufacturer.

F. Dress joints smooth, remove surface scratches, and clean entire surface.

3.4 INSTALLATION OF SINKS

A. Comply with installation requirements in SEFA 2.

B. Drop-in Installation of Epoxy Sinks: Rout groove in countertop to receive sink rim if not shop prepared. Set sink in adhesive and fill remainder of groove with sealant or adhesive. Use procedures and products recommended by sink and countertop manufacturers. Remove excess adhesive and sealant while still wet and finish joint for neat appearance.

C. Drop-in Installation of Epoxy Cup Sinks: Rout groove in countertop to receive sink rim if not shop prepared. Set sink in adhesive and fill remainder of groove with sealant or adhesive. Use procedures and products recommended by sink and countertop manufacturers. Remove excess adhesive and sealant while still wet and finish joint for neat appearance.

3.5 INSTALLATION OF LABORATORY ACCESSORIES

A. Install accessories in accordance with Shop Drawings, installation requirements in SEFA 2, and manufacturer's written instructions.

B. Securely fasten adjustable shelving supports, stainless steel shelves, and pegboards to partition framing, wood blocking, or reinforcements in partitions.

C. Install shelf standards plumb and at heights to align shelf brackets for level shelves. Install shelving level and straight, closely fitted to other work where indicated.

D. Securely fasten pegboards to partition framing, wood blocking, or reinforcements in partitions.

3.6 INSTALLATION OF SERVICE FITTINGS

A. Comply with requirements in other Sections for installing water and laboratory gas service fittings and electrical devices.

B. Install fittings in accordance with Shop Drawings, installation requirements in SEFA 2, and manufacturer's written instructions. Set bases and flanges of sink- and countertop-mounted fittings in sealant recommended by manufacturer of sink or countertop material. Securely anchor fittings to laboratory casework unless otherwise indicated.

3.7 CLEANING AND PROTECTING

A. Clean finished surfaces, touch up as required, and remove or refinish damaged or soiled areas to match original factory finish, as approved by Architect.

B. Protect countertop surfaces during construction with 6-mil plastic or other suitable water-resistant covering. Tape to underside of countertop at a minimum of 48 inches o.c.

END OF SECTION 12 35 53.13

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GENERAL DEMOLITION NOTES

1. DOCUMENTATION OF EXISTING CONDITIONS IS DERIVED FROM EXISTING SURVEYS, DRAWINGS AND LIMITED FIELD INSPECTION. PRIOR TO THE SUBMISSION OF BIDS, CONTRACTORS SHALL WALK THE SITE AND SATISFY THEMSELVES TO EXISTING VISUAL CONDITIONS. THE ARCHITECT SHALL BE CONSULTED WHEN ANY QUESTION ARISES RELATIVE TO MATERIALS AND CONDITIONS NOT SPECIFICALLY SHOWN OR SPECIFIED.

2. ALL EXISTING WORK (CEILING, FLOORS, WALLS, FINISHES, ETC.) DISTURBED BY NEW CONSTRUCTION SHALL BE PATCHED AND REFINISHED. PATCHING AND FINISH WORK IS THE REPAIR WORK REQUIRED TO RESTORE SURFACES TO THE ORIGINAL CONDITION AND/ OR MATCHING THE ADJACENT SURFACES. MISCELLANEOUS FINISH REQUIREMENTS TO WALL, FLOOR AND CEILING IN AREAS AFFECTED BY DEMOLITION HAVE NOT BEEN TOTALLY INCORPORATED INTO THE ROOM FINISH SCHEDULE. REFER TO THE DEMOLITION , FLOOR AND REFLECTED CEILING PLANS FOR ADDITIONAL CUTTING, PATCHING AND REFINISHING WORK SCOPE.

3. ALL EXISTING FIRE-RESISTANT CONSTRUCTION MUST BE MAINTAINED OR MADE TO COMPLY WITH THE REQUIREMENTS AS ESTABLISHED BY THIS CONTRACT. SEE THE CODE COMPLIANCE PLANS FOR THE FIRE RESISTANT RATINGS OF EXISTING AND NEW CONSTRUCTION.

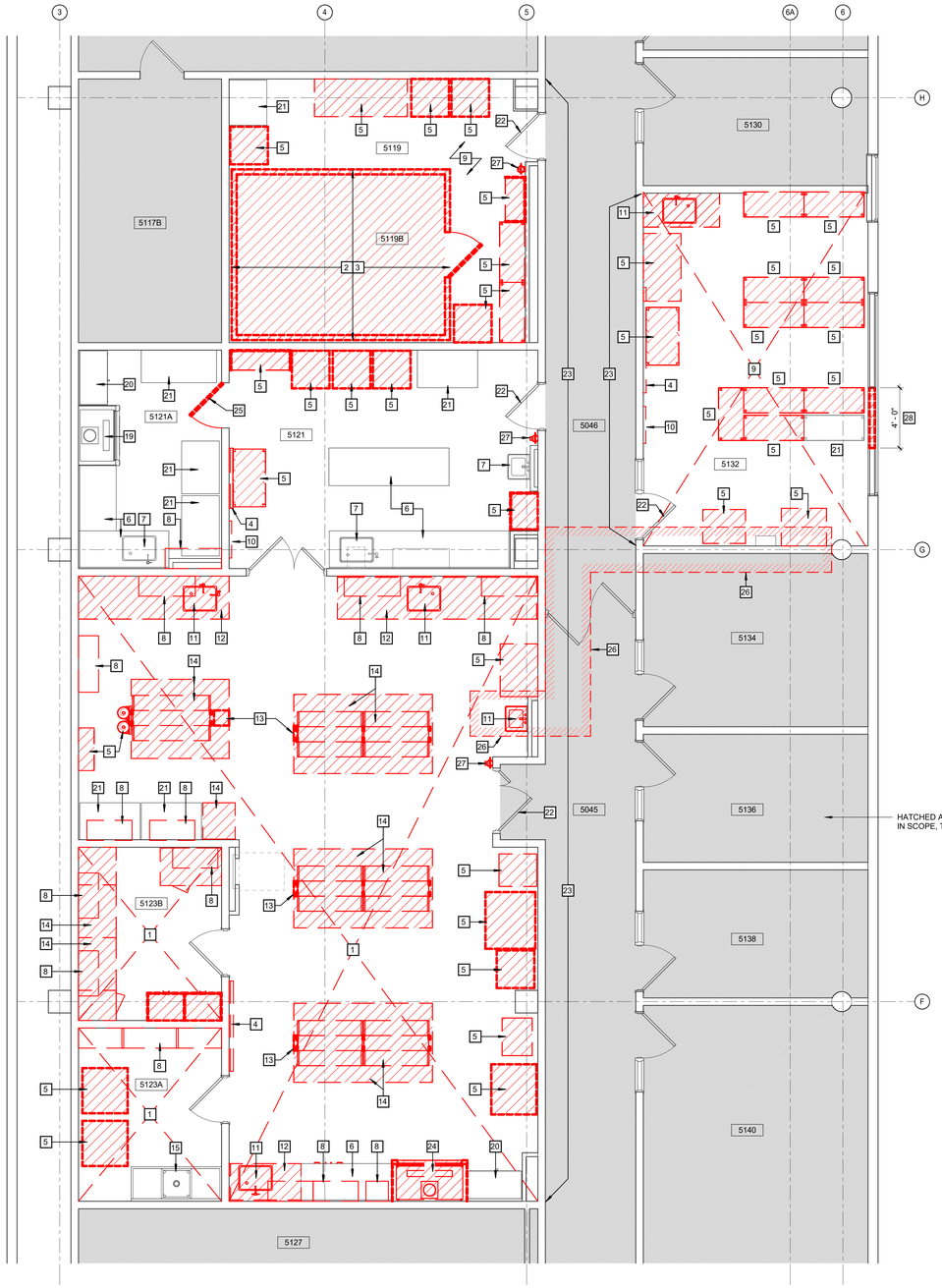
4. CARE SHALL BE TAKEN TO LIMIT IMPACT OF CONSTRUCTION ON THE SURROUNDING OCCUPANTS AND OPERATIONS DURING THE PROJECT. SAFE LEGAL PASSAGES SHALL BE PROVIDED FOR ALL BUILDING OCCUPANTS DURING ALL THE PHASES OF THIS PROJECT. THE CONTRACTOR SHALL COORDINATE PATHWAYS FOR CONSTRUCTION ACTIVITY AND SCHEDULE LOUD WORK WITH OWNER PRIOR TO COMMENCING CONSTRUCTION.

5. ALL CONTRACTORS ARE RESPONSIBLE FOR CUTTING AND PATCHING REQUIRED TO COMPLETE THEIR WORK. FOR NEW OPENINGS IN EXISTING MASONRY WALLS, UNLESS SPECIFICALLY INDICATED OTHERWISE, THE TRADE REQUIRING THE OPENING SHALL PROVIDE THE DEMOLITION, LINTEL INSTALLATION AND RECONSTRUCTION.

6. CONTRACTORS ARE TO PROVIDE ADEQUATE SUPPORT FOR WALLS, LOAD-BEARING WALLS, AND PARTITIONS DURING DEMOLITION AND CONSTRUCTION.

7. WHEN EXISTING CONSTRUCTION WHICH IS TO REMAIN IS DAMAGED DURING THE COURSE OF CONSTRUCTION AS A RESULT OF CONTRACTOR'S WORK, IT SHALL BE REPAIRED AND/OR REPLACED WITH SIMILAR OR LIKE MATERIALS, SUBJECT TO ARCHITECT'S APPROVAL AND WITHOUT COMPENSATION.

8. ALL EXISTING FURNITURE AND EQUIPMENT TO BE REMOVED BY OWNER PRIOR TO START OF DEMOLITION. ALL EXISTING CASEWORK OR EQUIPMENT TO BE REMOVED AND INSTALLED, SHALL BE STORED BY CONTRACTOR TO FACILITATE FLOORING IMPROVEMENTS.

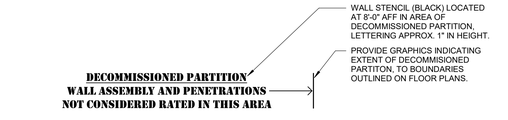


1 PARTIAL FIFTH FLOOR DEMOLITION PLAN
1/4" = 1'-0"

5TH FLOOR DEMOLITION KEY NOTES

NO.	DESCRIPTION
1	CLEAN AND PREP EPOXY FLOORING AND INTEGRAL BASE TO RECEIVE NEW EPOXY FINISHES. GRIND DOWN HIGH SPOTS AND PATCH LOW SPOTS WITH EPOXY MORTAR TO PROVIDE CONSISTENT LEVEL SURFACE. SOUND AND REMOVE ANY UNBONDED AREAS. MECHANICALLY PREPARE LEVELED SURFACE WITH DUSTLESS GRINDING OR SANDING. PROVIDE PRIMER AT MANUFACTURER'S RECOMMENDATION.
2	HATCHED AREA INDICATES REMOVAL OF CONCRETE PAD. INFILL AREA AS REQUIRED FOLLOWING PAD DEMOLITION TO PROVIDE LEVEL, SMOOTH SLAB CONSISTENT WITH EXISTING ADJACENT FLOOR SURFACES. PREP THE SURFACE TO RECEIVE SCHEDULED FLOORING AND WALL BASE.
3	REMOVE CHAIR RAIL IN ITS ENTIRETY INCLUDING ALL ATTACHED ANCHOR RODS AND CONDUIT. REFER TO MEP DRAWINGS FOR COMPLETE SCOPE OF SYSTEMS DISCONNECTION.
4	REMOVE CHALK/WHITEBOARD, PATCH WALL SURFACE AT REMOVAL.
5	FURNITURE/EQUIPMENT TO BE REMOVED AND STORED BY OWNER, TYP.
6	LAB TABLES AND BENCH TO REMAIN.
7	SINK TO REMAIN.
8	REMOVE WALL SHELF AND STANDARDS, PATCH WALL AT REMOVAL OF ANCHORS.
9	REMOVE VCT FLOORING AND RESILIENT WALL BASE. PREP CONCRETE SUBSTRATE TO RECEIVE NEW FINISH.
10	REMOVE COAT HOOKS.
11	REMOVE SINK AND BASE. CAP PLUMBING FOR SALVAGED SINK INSTALLATION. SEE PLUMBING DWGS. PATCH WALLS AND FLOOR AT REMOVAL OF BASE CABINET.
12	REMOVE LAB BENCH IN ITS ENTIRETY INCLUDING SINK AND BASE. CAP PLUMBING FOR NEW SINK INSTALLATION. SEE PLUMBING DWGS. PATCH WALLS AND FLOOR AT REMOVAL OF BENCH
13	REMOVE UTILITY CHASE.
14	REMOVE LAB BENCH, CASEWORK, AND UPPER SHELVING ASSEMBLY WHERE PRESENT IN ITS ENTIRETY, INCLUDING ALL SERVICE CONNECTIONS.
15	REMOVE & SALVAGE STAINLESS SINK TO BE RELOCATED TO ROOM 5132. CAP PLUMBING PIPING, SEE PLUMBING DWGS. PATCH WALLS AT REMOVAL OF SINK.
16	REMOVE LIGHT FIXTURE. SEE ELEC. DWGS.
17	REMOVE SUSPENDED CEILING GRID AND PANELS. INCLUDING ALL LIGHTING, AIR TERMINALS, AND OTHER DEVICES LOCATED IN THE CEILING SYSTEM. SEE MEP DWGS FOR COMPLETE SCOPE OF REMOVALS.
18	REMOVE & SALVAGE SUSPENDED CEILING GRID AND PANELS. SALVAGE CEILING MOUNT LIGHT FIXTURES FOR REINSTALLATION. SEE MEP DWGS FOR COMPLETE SCOPE OF REMOVALS.
19	FUME HOOD TO REMAIN. PROTECTIVE MEASURES SHALL BE TAKEN DURING CONSTRUCTION.
20	FLAMMABLE CABINET TO REMAIN. PROTECTIVE MEASURES SHALL BE TAKEN DURING CONSTRUCTION.
21	SALVAGE FURNITURE/EQUIPMENT TO BE STORED AND REINSTALLED BY OWNER, TYP.
22	AT DOORS LOCATED IN CORRIDOR WALL THAT IS NO LONGER CONSIDERED RATED, REMOVE ANY TAGS INDICATING A FIRE RATING AND PROVIDE TAGS ON HINGE SIDE OF DOOR AND FRAME INDICATING THAT OPENING HAS BEEN DECOMMISSIONED. BOD LABEL: REMEDI8 LBL-FDS-DECOMLBL.
23	AT CORRIDOR WALL THAT IS NO LONGER CONSIDERED RATED, REMOVE ANY TAGS OR STENCILS INDICATING THAT THE PARTITION AND ANY FIRESTOPPED THROUGH PENETRATIONS ARE RATED. REMOVE ONE (1) FIRE DAMPER WITHIN THE RENOVATION AREA. PROVIDE STENCILS AT 8' - 0" AFF AND SPACED AT 48" OC MAX ALONG LENGTH OF CORRIDOR WALL AT WORK AREA INDICATING THAT PARTITION IS DECOMMISSIONED. SEE STENCIL DETAIL 2/AD-101R.
24	REMOVE DECOMMISSIONED FUME HOOD. COORDINATE WITH OWNER'S REPRESENTATIVE. REFER TO MECHANICAL AND PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION.
25	REMOVE DOOR, FRAME, AND HARDWARE.
26	EXTENT OF REMOVALS AT 4TH FLOOR SPLINE CEILING TO FACILITATE PLUMBING INSTALLATION. SEE 2/A-130. APPROXIMATELY 120 SF. REMOVE AND SALVAGE EXISTING LIGHTING, AIR TERMINALS, AND OTHER CEILING-MOUNTED FIXTURES WITHIN AREA REQUIRED FOR PLUMBING INSTALLATION.
27	REMOVE AND SALVAGE FIRE EXTINGUISHER FOR REINSTALLATION. REMOVE EXISTING WALL BRACKET AND PATCH WALL AT REMOVAL.
28	REMOVE GYP BOARD PARTITION IN FRONT OF EXISTING WINDOW. CLEAN HEAD AND SILL AT REMOVAL.

PLEASE NOTE: NOT ALL KEYNOTES USED IN EACH VIEW.



2 DECOMMISSIONED PARTITON STENCIL
1 1/2" = 1'-0"

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Revisions

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2	1/5/2026	Addendum #2

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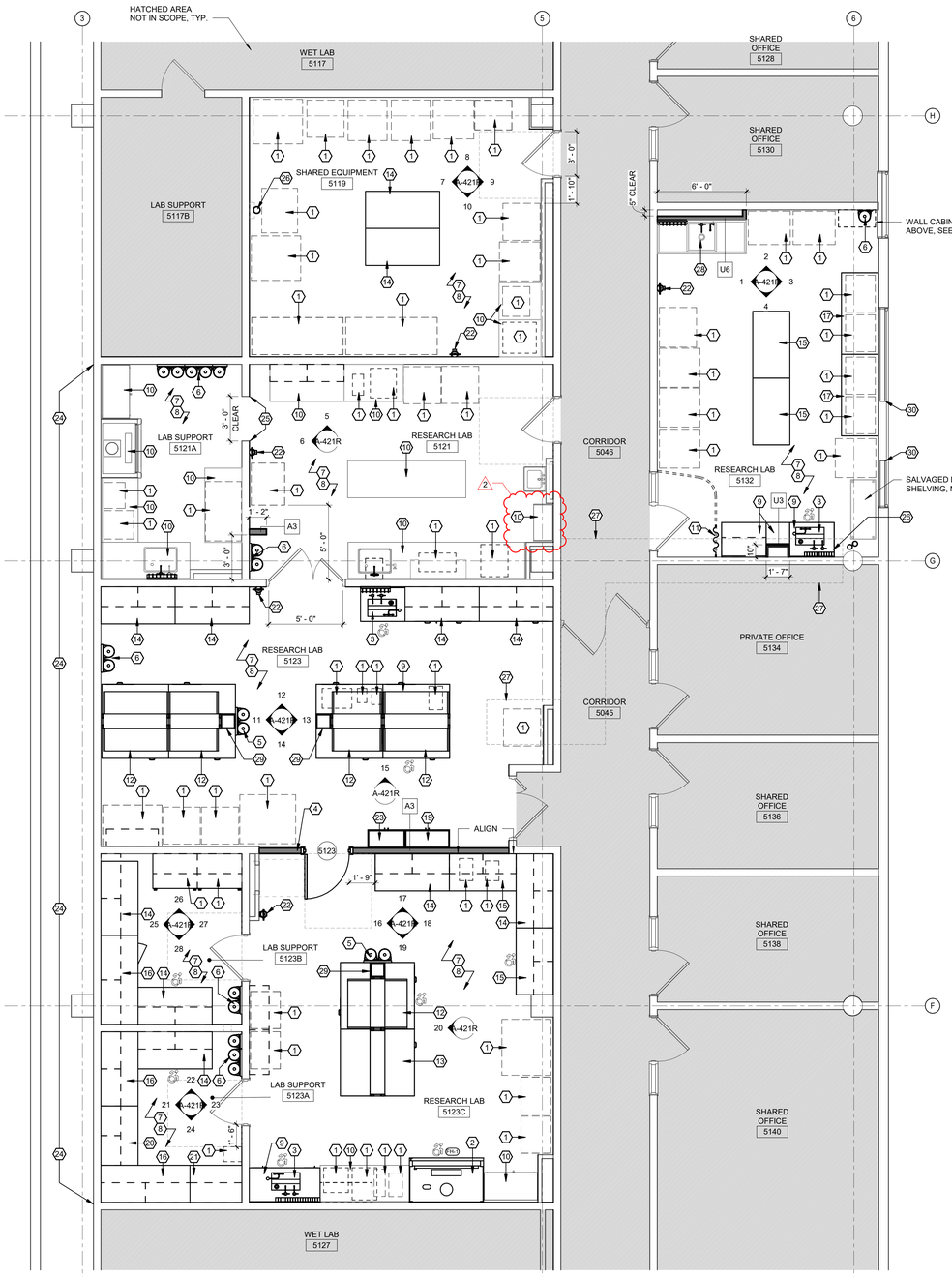
AD-101R
FIFTH FLOOR DEMOLITION PLAN

11/7/2025
100% Construction Documents



2 PARTIAL FIFTH FLOOR PLAN
1/4" = 1'-0"

GENERAL NEW WORK NOTES:

1. ALL FLOORS, WALLS, CEILINGS, AND OTHER SURFACES THAT ARE TO REMAIN ARE TO BE PATCHED, REPAIRED, AND REFINISHED PRIOR TO FINISH INSTALLATION. ALL SURFACES ARE TO BE RESTORED TO THEIR ORIGINAL CONDITION AND/OR MATCH THE ADJACENT SURFACES.
2. NEW ADA FUME HOOD ("FH-1").
3. WHERE SHELVING, WALL CABINETS, OR OTHER FURNITURE OR EQUIPMENT IS SHOWN TO BE HUNG OR ANCHORED ON EXISTING WALLS, THE CONTRACTOR SHALL VERIFY THE LOCATION AND PLACEMENT OF EXISTING STUDS OR BLOCKING PRIOR TO MOUNTING ITEMS. IF NO SUFFICIENT EXISTING BLOCKING IS PRESENT, FOLLOW DETAILS 1 AND 2/A-501.

2

5TH FLOOR PLAN KEY NOTES

SHOWN AS: (X)

NO.	DESCRIPTION
1	LAB EQUIPMENT/FURNITURE - N.I.C. SEE A-800 EQUIPMENT PLAN FOR MORE INFORMATION.
2	REPLACE EXISTING FUME HOOD WITH 60" ADA FUME HOOD ON AN ADJUSTABLE BASE.
3	PROVIDE ACCESSIBLE, STEPPED BOTTOM DROP-IN EPOXY RESIN LAB SINK, SK-A 25"X15"X4.75". PROVIDE PURE WATER FAUCET AND EMERGENCY EYE WASH. SEE PLUMBING DRAWINGS.
4	PROVIDE GYP BOARD AND METAL STUD PARTITION TO MATCH EXISTING ADJACENT WALL. PREP AND PAINT GYP BD TO MATCH ADJACENT WALL FINISH. PROVIDE SCHEDULED WALL BASE.
5	PROVIDE BENCH-MOUNT GAS CYLINDER RESTRAINT (2). BASIS-OF-DESIGN: USA SAFETY GB250FS.
6	PROVIDE WALL-MOUNT GAS CYLINDER RESTRAINTS, NUMBER OF CYLINDERS AS INDICATED. BASIS-OF-DESIGN: USA SAFETY GB200FS AND GB300FS. PROVIDE A CHEMICAL SEGREGATION CHART INDICATING APPROPRIATE STORAGE METHOD.
7	PROVIDE EPOXY FLOORING AND INTEGRAL BASE. REFER TO FINISH PLANS.
8	PREP AND PAINT WALLS. REFER TO FINISH SCHEDULE.
9	PROVIDE FIXED LAB FURNITURE INCLUDING COUNTERTOP, BACKSPLASH, SIDESPLASH, PAINTED STEEL BASE CABINETS, AND UPPER SHELVING.
10	EXISTING LAB FURNITURE/CASEWORK TO REMAIN. PROTECT DURING DEMOLITION AND CONSTRUCTION.
11	MANUAL RETRACTABLE INSECT CURTAIN. PROVIDE CEILING GRID-MOUNTED ALUMINUM TRACK WITH CURVING CORNER, EXTENDING TIGHT TO ADJACENT WALLS. PROVIDE NYLON ROLLER HOOK TROLLEYS FOR SUSPENDING CURTAIN. PROVIDE MIN. 12" VALANCE ATTACHED TO TRACK AND TIGHT TO CEILING. CURTAIN TO BE AFFIXED TO SIDE WALLS WITH SCREW ANCHORS SO THAT THERE ARE NO GAPS BETWEEN THE EDGE OF CURTAIN AND WALL SURFACE. PROVIDE MAGNETIC OR ZIPPER TRACK IN THE CENTER OF THE CURTAIN, AND GASKET AND BOTTOM POCKET WITH CHAIN OR ROPE WEIGHT. BASIS-OF-DESIGN FOR INSECT CURTAIN MATERIAL: PHIFER SHEERWEAVE 2360, .011/.011, COLOR: OYSTER. BASIS-OF-DESIGN FOR CURTAIN TRACK: AKON CURTAINS
12	54" X 24" CANTILEVERED EPOXY RESIN LAB WORKBENCH ON FULL-HEIGHT 12" ISLAND CORE WITH FILLER PANELS. BASIS-OF-DESIGN: MOTT SIGMA FLEX.
13	54" X 24" CANTILEVERED EPOXY RESIN LAB WORKBENCH ON LOWER-HEIGHT 12" ISLAND CORE WITH FILLER PANELS. BASIS-OF-DESIGN: MOTT SIGMA FLEX.
14	60" x 28" FREESTANDING METAL ADAPTABLE LAB TABLE SYSTEM WITH 60" X 30" EPOXY RESIN COUNTERTOP. BASIS-OF-DESIGN: MOTT ALTUS.
15	54" x 28" FREESTANDING METAL ADAPTABLE LAB TABLE SYSTEM WITH 54" X 30" EPOXY RESIN COUNTERTOP. BASIS-OF-DESIGN: MOTT ALTUS.
16	72" x 28" FREESTANDING METAL ADAPTABLE LAB TABLE SYSTEM WITH 72" X 30" EPOXY RESIN COUNTERTOP. BASIS-OF-DESIGN: MOTT ALTUS.
17	66" x 28" FREESTANDING METAL ADAPTABLE LAB TABLE SYSTEM WITH 66" X 30" EPOXY RESIN COUNTERTOP. BASIS-OF-DESIGN: MOTT ALTUS.
19	PROVIDE 36"W X 14"D X 84"H TALL CABINETS WITH HINGED FRAMED GLASS DOOR UNITS. BASIS-OF-DESIGN: MOTT STEEL FLOOR CABINETS - 6410030
20	48" x 28" FREESTANDING METAL ADAPTABLE LAB TABLE SYSTEM WITH 72" X 30" EPOXY RESIN COUNTERTOP. BASIS-OF-DESIGN: MOTT ALTUS.
21	42" x 28" FREESTANDING METAL ADAPTABLE LAB TABLE SYSTEM WITH 72" X 30" EPOXY RESIN COUNTERTOP. BASIS-OF-DESIGN: MOTT ALTUS.
22	WALL-MOUNTED FIRE EXTINGUISHER, SEE DETAIL 2/G-001.
23	PROVIDE 30"W X 14"D X 84"H TALL CABINETS WITH HINGED FRAMED GLASS DOOR UNITS. BASIS-OF-DESIGN: MOTT STEEL FLOOR CABINETS - 6410030
24	PROVIDE FIRESTOPPED THROUGH PENETRATIONS FOR NEW UTILITIES. AT EXISTING PENETRATIONS IN SHAFTWALL, PROVIDE FIRESTOPPING AT ALL NON-CONFORMING PENETRATIONS, AND ADD FIRESTOPPING TO ALL VOIDS IN THE SHAFTWALL. SEE PENETRATION SCHEDULE ON G-002 FOR LISTING OF APPLICABLE PENETRATION TYPES, MATERIALS, AND RECOMMENDED U.L. SYSTEMS. COORDINATE ALL LOCATIONS, ELEVATIONS, AND PENETRATION SIZING WITH MEP/FP DRAWINGS.
25	PROVIDE HOLLOW METAL CASED OPENING AT DOOR REMOVAL. PAINT.
26	PROVIDE THROUGH PENETRATIONS FOR NEW SINK/EQUIPMENT. SEE PENETRATION SCHEDULE ON G-002 FOR LISTING OF APPLICABLE PENETRATION TYPES, MATERIALS, AND RECOMMENDED U.L. SYSTEMS. COORDINATE ALL LOCATIONS, ELEVATIONS, AND PENETRATION SIZING WITH PLUMBING DRAWINGS.
27	EXTENT OF PLUMBING WORK ON THE 4TH FLOOR. SEE 2/A-130. PROVIDE GYP BOARD CEILING ON SALVAGED BACKUP SUSPENSION SYSTEM. PROVIDE FINISHED CEILING CONSISTENT WITH EXISTING ADJACENT. REINSTALL LIGHTING, AIR TERMINALS, AND OTHER FIXTURES THAT WERE REMOVED TO FACILITATE PLUMBING INSTALLATION.
28	SALVAGED SINK WITH NEW FIXTURES. SEE PLUMBING DRAWINGS.
29	LAB CASEWORK SERVICE CHASE, FULL WIDTH OF SERVICE CORE AND 12" DEEP.
30	PROVIDE ADDITIONAL FRAMING/BLOCKING FOR GYP BOARD RETURN JAMBS AT OPENING AND FINISH TO MATCH EXISTING PARTITION. PROVIDE TEAR-AWAY BEAD AT GLASS, AND CAULK FULL PERIMETER AT OTHER ADJACENT MATERIALS.

FIFTH FLOOR - FINISH SCHEDULE

ROOM NUMBER	ROOM NAME	FLOOR FINISH	BASE FINISH	WALL FINISH	CEILING FINISH
5119	SHARED EQUIPMENT	RES-1	SSF-1	PT-1	ACT-1
5121	RESEARCH LAB	ETR	ETR	PT-1	ETR/SALVAGED
5121A	LAB SUPPORT	ETR	ETR	PT-1	ETR/SALVAGED
5123	RESEARCH LAB	RES-1	SSF-1	PT-1	ACT-1
5123A	LAB SUPPORT	RES-1	SSF-1	PT-1	ACT-1
5123B	LAB SUPPORT	RES-1	SSF-1	PT-1	ACT-1
5123C	RESEARCH LAB	RES-1	SSF-1	PT-1	ACT-1
5132	RESEARCH LAB	RES-1	SSF-1	PT-1	ETR/SALVAGED

INTERIOR FINISHES & MATERIALS LIST (BY SPEC SECTION)

SECTION 06 61 16 - SOLID SURFACE FABRICATIONS
SOLID SURFACE FABRICATIONS
SSF-1 WILSONART, COLOR: BLACK ONYX MIRAGE 9092MG, 1/2" THICK, 4" HIGH BASE, SEALED TO FLOOR AND WALL WITH CORA 898 SILICONE SEALANT, INCLUDE JOINT SEALANT AT ALL HORIZONTAL AND VERTICAL FLOOR, WALL, AND BASE CABINET SURFACES.

SECTION 09 51 13 - ACOUSTICAL PANEL CEILINGS
ACOUSTICAL CEILING TILES (ACT)
ACT-1 ARMSTRONG CLEANROOM XL
ACT-2 USG TIVOLI NO. 4240 12" X 12" (OVER NEW GYP BOARD SUBSTRATE)

SECTION 09 67 23 – RESINOUS FLOORING
EPOXY FLOORING WITH INTEGRAL BASE
RES-1 STONHARD, STONCLAD GS WITH FINAL COAT OF STONKOTE HT-4.
GRIT LEVEL: MATCH EXISTING LABS, COLOR: PEWTER OR MATCH EXISTING.

SECTION 09 91 00 - INTERIOR PAINTING
PAINT (PT)
PT-1 SHERWIN WILLIAMS OR BENJAMIN MOORE, FOR GYP BOARD AND MASONRY WALLS, COLOR: MATCH EXISTING LABS
PT-2 SHERWIN WILLIAMS OR BENJAMIN MOORE, FOR HM DOORS AND FRAMES, COLOR: MATCH EXISTING LABS

SECTION 12 24 13 - ROLLER WINDOW SHADES
WINDOW TREATMENTS (WT)
WT-1 DRAPER INC. STYLE: 3G MERMET COMPANY M-SCREEN #008503 - FLEX SHADE MESH SHADE FASCIA, MANUAL CLUTCH CONTROL, 3% OPENNESS, SHADE AND HARDWARE COLORS: AS SELECTED FROM MANUFACTURER'S STANDARD RANGE.

2

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COMSTOCK HALL 5TH FLOOR LAB AND SUPPORT SPACE RENOVATIONS
129 Garden Ave
Ithaca, NY 14853
SWBR Project Number 25044.00

Cornell University
Ithaca, NY 14853

A-101R
FIFTH FLOOR PLAN

11/7/2025
100% Construction Documents

1 PARTIAL 5TH FLOOR REFLECTED CEILING PLAN
1/4" = 1'-0"

RCP LEGEND

- CEILING TYPE
- CEILING HEIGHT A.F.F
- PAINT COLOR

2' X 2' SUSPENDED ACOUSTICAL CEILING

2' X 4' LIGHT FIXTURE - REFER TO E SERIES DWGS

SUPPLY DIFFUSER - REFER TO M-SERIES DWGS

RETURN GRILLES - REFER TO M-SERIES DWGS

SPRINKLER HEAD - REFER TO FP-SERIES DWGS FOR TYPE

CEILING TYPES

1. ACT - 1 ARMSTRONG CLEANROOM FL
2. EXISTING ACT CEILING - SALVAGE AND REINSTALL
3. INFILL GYP BOARD IN EXISTING CEILING AREA, PAINT
4. INFILL ACT-2 STAPLED TO GYP BOARD CEILING SYSTEM

RCP GENERAL NOTES

A. ALL CEILINGS ARE AT 8'-6" AFF UNLESS NOTED OTHERWISE

B. ALL CEILINGS TO BE ACT-1 UNLESS NOTED OTHERWISE

C. REFER TO AND COORDINATE WITH ELECTRICAL DRAWINGS AND SPECIFICATIONS FOR SPECIFIC LIGHT FIXTURE INFORMATION.

D. ALL GYP. BD. SOFFITS TO HAVE GYP. BD. VERTICAL RETURNS UP TO THE STRUCTURE ABOVE

E. REFER TO AND COORDINATE WITH MECHANICAL AND PLUMBING DRAWINGS AND SPECIFICATIONS FOR SPECIFIC CEILING-MOUNTED FIXTURE INFORMATION AND LOCATIONS, INCLUDING BUT NOT LIMITED TO DIFFUSERS, GRILLS, ALARMS, EXIT SIGNS AND SENSORS.

F. PAINT EXPOSED STRUCTURE AS INDICATED ON REFLECTED CEILING PLAN [ROOM FINISH SCHEDULE] INCLUDING STEEL DECK, BEAMS, AND TRUSSES.

G. PAINT ALL MISCELLANEOUS HVAC, PLUMBING AND ELECTRICAL ITEMS EXPOSED ON WALLS AND HARD CEILINGS THAT ARE NOT OTHERWISE INDICATED TO BE PRE-FINISHED OR A SPECIFIC COLOR. THE COLOR SHALL MATCH THE ADJACENT OR BACKGROUND SURFACE.

H. PAINT PORTIONS OF INTERNAL SURFACES OF METAL DUCTS, WITHOUT LINERS, BEHIND AIR INLETS AND OUTLETS THAT ARE VISIBLE FROM OCCUPIED SPACES. COLOR SHALL BE "FLAT BLACK."

I. DO NOT PAINT OPERATIONAL COMPONENTS OF SYSTEMS SUCH AS SPRINKLER HEADS, FIRE, SMOKE, OR HEAT DETECTORS. COLORS OF THESE COMPONENTS ARE TO BE SELECTED TO MATCH BACKGROUND SURFACES, UNLESS OTHERWISE NOTED.

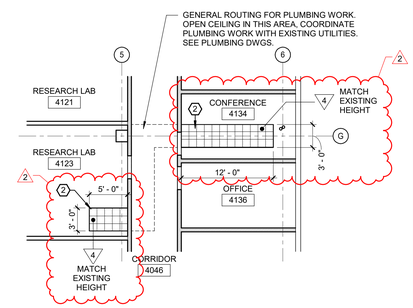
J. ALL PAINTED CEILINGS AND EXPOSED CEILING ELEMENTS TO HAVE A "FLAT" FINISH, UNLESS OTHERWISE INDICATED.

K. THE PAINT COLOR INDICATED ON GYPSUM BOARD SOFFITS SHALL APPLY TO BOTH THE HORIZONTAL AND VERTICAL SURFACES UNLESS OTHERWISE INDICATED.

RCP KEY NOTES

SHOWN AS: (2)

NO.	DESCRIPTION
1	CORD AND CABLE REELS MOUNTED AT CEILING HEIGHT, ATTACHED TO UNDERSIDE OF DECK ABOVE WITH EXPANSION ANCHORS. PROVIDE SLOTTED CHANNEL TRAPEZE TO SUPPORT CORD REELS WHERE LOCATIONS CONFLICT WITH DUCTWORK OR EQUIPMENT. MOUNT CORD REEL HOUSING FLUSH TO CEILING. CONCEAL ALL PENETRATIONS THROUGH CEILING TILE.
2	EXTENT OF PLUMBING WORK ON THE 4TH FLOOR. PROVIDE NEW GYP BOARD BACKUP CEILING ON SALVAGED BACKUP SUSPENSION SYSTEM. PROVIDE NEW 12"X12" ACOUSTIC CEILING PANELS STAPLED TO GYP BOARD. FINISHED CEILING ELEVATION TO BE CONSISTENT WITH EXISTING ADJACENT. REINSTALL LIGHTING, AIR TERMINALS, AND OTHER FIXTURES THAT WERE REMOVED TO FACILITATE PLUMBING INSTALLATION.
3	PROVIDE MANUALLY OPERATED ROLLER SHADE W.T.; MOUNTED TO HEAD OF OPENING, WITHIN OPENING.



2 PARTIAL FOURTH FLOOR REFLECTED CEILING PLAN
1/8" = 1'-0"

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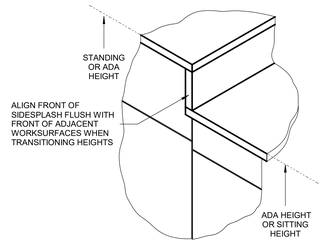
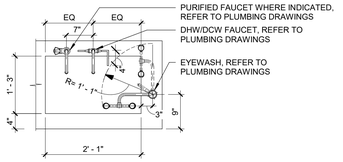
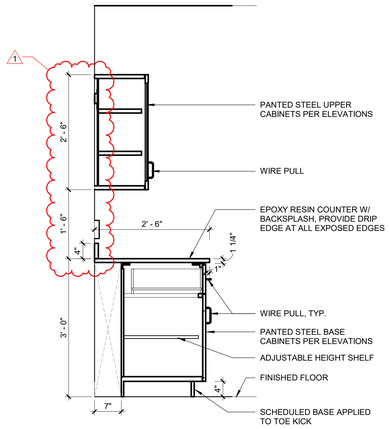


8 WORK SURFACE TRANSITION DETAIL
1 1/2" = 1'-0"

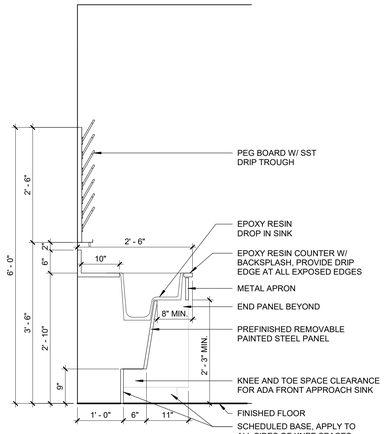


NOTE: MIRROR DETAIL AS NEEDED TO MATCH SINK/EYEWASH ORIENTATION ON PLANS

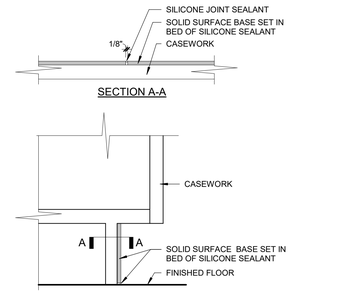
4 SINK WITH EYEWASH DETAIL
3/4" = 1'-0"



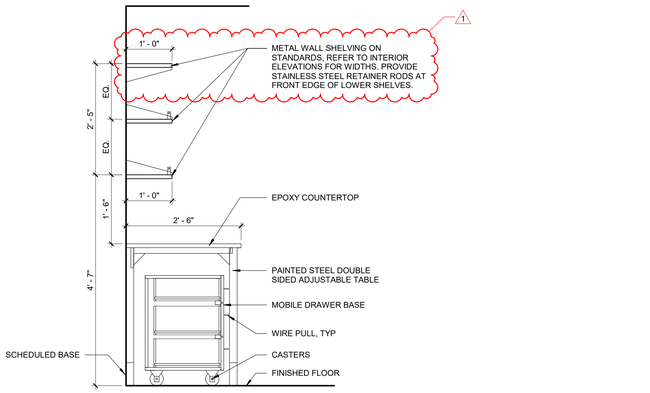
7 SECTION AT FIXED CASEWORK
3/4" = 1'-0"



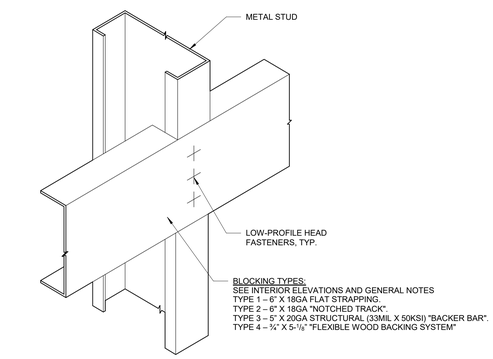
3 SECTION AT ACCESSIBLE SINK - SK-A
3/4" = 1'-0"



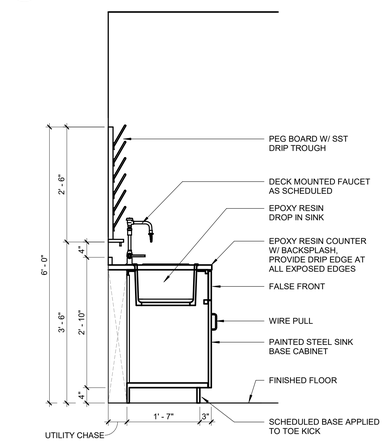
10 LIQUID-TIGHT BASE DETAIL - SSF-1
3" = 1'-0"



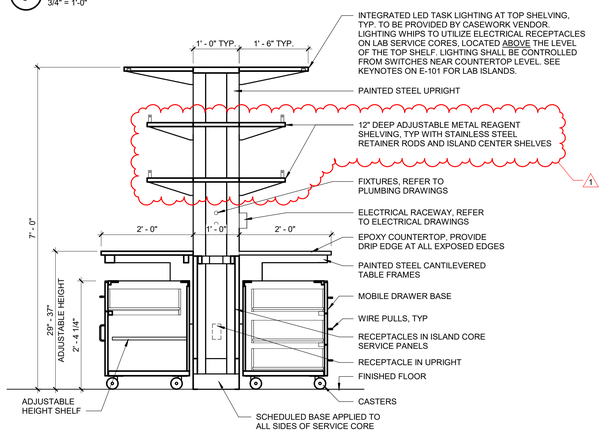
6 SECTION AT ALTUS BENCHES
3/4" = 1'-0"



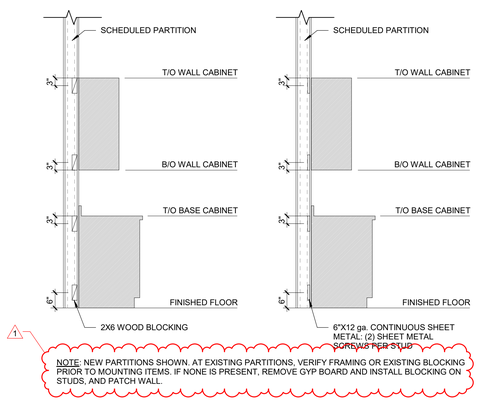
2 TYPICAL DETAIL - METAL STUD BLOCKING
3" = 1'-0"



9 SECTION AT SINK SK-B
3/4" = 1'-0"



5 SECTION AT MOBILE WORK BENCHES
3/4" = 1'-0"



1 TYPICAL DETAIL - BLOCKING LOCATION
1/2" = 1'-0"

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Issue Date: 01/05/26
Registration Expires: 11/30/27

Drawn By:	SM
Checked By:	MJP
Project Manager:	MJP

Revisions

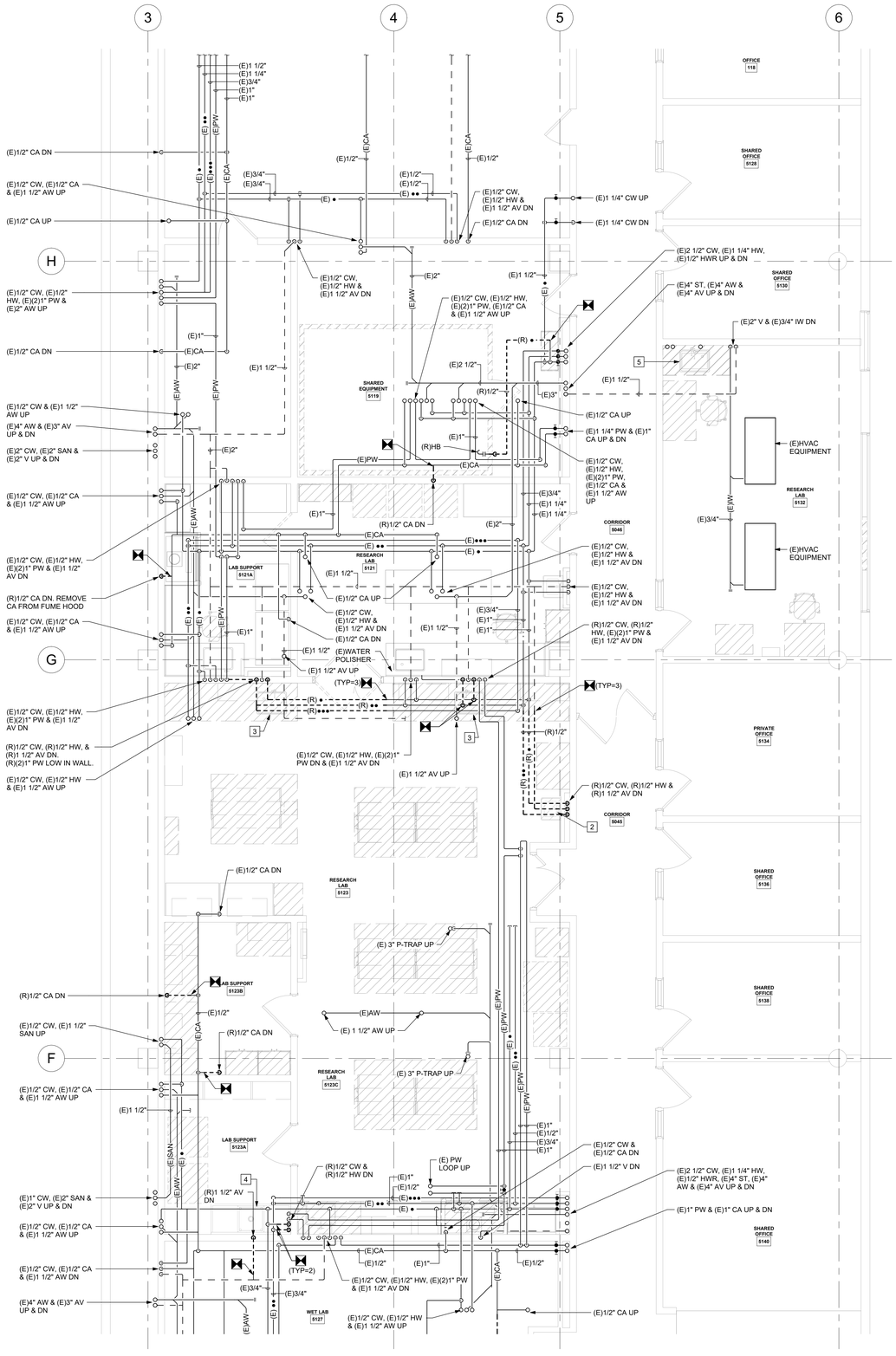
1	1/5/2026	Addendum #2

COMSTOCK HALL 5TH FLOOR LAB AND SUPPORT SPACE RENOVATIONS
129 Garden Ave
Ithaca, NY 14853
SWBR Project Number 25044.00

Cornell University
Ithaca, NY 14853

A-501R
LAB CASEWORK DETAILS

11/7/2025
100% Construction Documents



1 FIFTH FLOOR DEMOLITION PLAN - PLUMBING
1/4" = 1'-0"

DEMOLITION NOTES:

1. NOT USED.
2. DISCONNECT AND REMOVE SINK. DISCONNECT AND REMOVE PIPING AND PIPING ACCESSORIES. REMOVE PIPING AS REQUIRED BACK TO POINT OF DISCONNECT.
3. DISCONNECT AND REMOVE SINK. DISCONNECT AND REMOVE WATER PIPING AND PIPING ACCESSORIES. REMOVE PIPING AS REQUIRED BACK TO POINT OF DISCONNECT. CAP AW WITHIN WALL. REVISE PW WITHIN WALL AS NEEDED TO KEEP LOOP ACTIVE.
4. DISCONNECT AND REMOVE SINK. DISCONNECT AND REMOVE PIPING AND PIPING ACCESSORIES. REMOVE PIPING AS REQUIRED BACK TO POINT OF DISCONNECT. SALVAGE SINK FOR REINSTALLATION IN 5132. DISCARD FAUCET.
5. DISCONNECT AND REMOVE SINK. DISCONNECT PIPING AND PREP FOR CONNECTION TO SALVAGED SINK AS REQUIRED.

SWBR

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ME PROJECT #: 250032

STATE OF NEW YORK
GARRETT DANIEL DONKAS
094525
LICENSED PROFESSIONAL ENGINEER

Drawn By:	CMD
Checked By:	THK
Project Manager:	GDD

Revisions

1	1/5/2026	Addendum #2

COMSTOCK HALL 5TH FLOOR LAB AND SUPPORT SPACE RENOVATIONS
129 Garden Ave,
Ithaca, NY 14853
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PD-101R

FIFTH FLOOR DEMOLITION PLAN - PLUMBING

11/7/2025
100% Construction Documents

COMSTOCK HALL 5TH FLOOR LAB AND SUPPORT SPACE RENOVATION **January 5, 2026**

RFI Form

RFI/ Response Index	Page/ Dwg./Spec./Rep. Number	Section/ Paragraph/Topic	RFI	Design Team Response
1			Due to holidays and man power issues. Asking for 1 week bid extension.	See Addendum No. 1, Item 1. Final RFIs date and Bid date have been extended.
2	AD-101		Outside of room 5123B on Drawing AD-101, there is a section of the wall that is hatched for removal. There is nothing noted on the drawing for removal. There is nothing shown/noted on the new plan for this location, and the elevation drawing states that the electrical panel here is existing to remain. Please advise if there is any work to be done here.	See Addendum No. 1, Item 7. Existing electric panel to remain. No work to be done here.
3	AD-101		Drawing note 22 does not appear to show on the doorway of room 5119, but drawing note 23 appears in the corridor past this doorway. Please advise if this door also needs the Remedi8 label.	See Addendum No. 1, Item 7. Keynote 22 added to existing door of Room 5119
4			What prep is required of the existing epoxy floor for the new resinous floor?	Manufacturer rep recommended sounding out existing floor to identify and remove unbonded areas. Pre-flash low areas with epoxy mortar. Mechanically prepare entire floor surface via sanding or dustless grinding process. Primer is required if not a Stonhard product.
5			Is the job ready to begin as soon as the contract is in place?	Yes, On-site mobilization is anticipated to begin at the end of January / beginning of February, 2026.
6			Is there a place to put a dumpster?	The dumpster can be located at the Comstock Hall loading dock, access by the service drive from Campus Road.
7	12 35 53.13	2.12.3	There is no indication on the drawings to verify if the wall mounted shelving is to be painted metal or phenolic resin. Specification 123553.13 Item 2.12.3 calls for phenolic, but we want to verify that this is in fact the material of choice.	See Addendum No. 2, Items 1 and 5. Wall shelving should be metal.
8	12 35 53.13	2.12	Per Section 123553.13 Item 2.12 Adjustable Wall Shelving, they are calling out a retaining lip, 2 inches by 2 inches, PSLA24-60. That model number refers to a 60" long shelf lip. None of the wall shelving on this project is over 42" maximum length. Also, drawings indicate a stainless steel retainer rod for shelf retainers. Please clarify if a shelf lip is required for the wall shelving, maybe a rear shelf lip?	See Addendum No. 2, Items 1 and 5. The wall shelving should be metal, and any references to the "lip" should be the stainless retainer rods located at the leading edge of the shelving.
9	A-421, A-501		The wall shelving detail 6 on drawing A-501 indicates the top shelf to be an 18" deep shelf. The side views for any wall shelving on drawing A-421 indicate all the shelving to be the same depth, i.e. 12" deep. Please clarify the depth of the top shelf for the wall shelving.	See Addendum No. 2, Item 5. The interior elevations are correct, the top shelf should match the lower shelf depth of 12".
10	12 35 53.13	2.11.C	Section 123553.13 Item 2.11.C specifies a wall mounted polypropylene glove/eye glass dispenser as part of this section. I am not able to locate any reference to this item on the drawings. Please clarify if these are required for this project, and if so, where are they to be placed.	See Addendum No. 2, Item 1. This is not required.
11	12 35 53.13	2.7, A.	Is there a particular color for the epoxy resin work surfaces or the phenolic resin shelving? Nothing indicated. Black is standard, other colors will require additional costs.	Basis of design shall be Durcon "Gray," and will be revised in the spec.

RFI/ Response Index	Page/ Dwg./Spec./Rep. Number	Section/ Paragraph/Topic	RFI	Design Team Response
12	12 35 53.13, 22 40 00		Please clarify that the plumbing contractor is responsible for all the plumbing fixtures located at the lab sinks, tagged as Item # 3 on drawing A-101. No fixture specification is provided in Section 123553.13 and is clearly listed in Section 224000, Item 2.1.A.	Correct, the sinks are part of the casework scope and plumbing the fixtures are part of the plumbing subcontractors' scope.
13	12 35 53.13	2.1.B.1.b, 2.1.B.1.c	Per the specification section 123553.13 item 2.1.B.1.b and .c,, the freestanding adaptable table systems can be either just free standing or adjustable height, I can not locate any information on the drawings as to whether there are any adjustable height tables required on the project.	All lab tables listed on A-101 - keynotes 14-17, 20, 21 - labeled "adaptable" are intended to be adjustable height.
14			In Research Lab room # 5121 at the plan east wall adjacent to Corridor 5046, there is something drawn the wall just below the hand sink and corner chase that is not tagged as either equipment or casework. Please clarify what this item is.	This is an existing wood floor cabinet that is to remain in place.
15	A-501		Detail 1/A501 shows blocking details for all casework. Are we to assume that blocking already exists in the existing walls? Or are we to open up all walls to verify and/or place blocking?	See Addendum No. 2, Item 3. Added General Note on A-101R to verify stud locations and/or blocking for all shelving and wall cabinets.
16	09 67 23, A-101R		Specification section 09 67 23 indicates that Stonhard is the basis of design for the epoxy floor. However, drawing A-101R indicates that Sherwin Williams Resuflor is required. Please advise.	See Addendum No. 2, Item 3. The spec is correct, the finish schedule on A-101R was modified to match.
17	A-130R		Can you provide a material specification for the spline ceiling that we need to match? According to a supplier, this tile was discontinued a long time ago. The plant where it was made shut down. Without this tile, would you want to replace the ceiling in the entire room? Or does the University have attic stock? Please advise.	See Addendum No. 2, Item 4. The original system is apparently acoustic tile stapled/adhered to a gyp board substrate. A basis-of-design product for stapled ceiling tile ws added to replace the tile in the area of the removals. At this time replacement is limited to the areas identified.
18			Are we allowed to use the elevator to get materials and tools up to the job site?	Yes, however, the contractor is required to provide protection for the cab interior during construction.
19	A-800		Please confirm all equipment shown on the A-800 equipment schedule is owner furnished and owner installed.	Yes, this is correct.
20	03 54 16		Spec 035416: Is the design intent to provide 1/4" underlayment to entire work area? Or to provide minor skim coating as needed?	This was included to address the area of concrete pad removal at the existing CER in 5119.
21	PD-101	Note 1	Please provide locations for this note.	See Addendum No. 2, Item 6. Note #1 is not used on this sheet.
22	12 35 53.13		Is the design intent to be sole sourced Mott for the Lab Casework & Lab Furniture System? Please confirm Hamilton Lab Solutions, Kewaunee and Lab Crafters are all acceptable options.	Mott is included as a basis-of-design for the purposes of coordinating equipment in the documents. Contractor is responsible to provide means and methods as approved by Owner and Consultant. Some acceptable manufacturers are listed in Section 12 35 53.13.