Addendum No. 4

PROJECT NO. 161026-00

PROJECT TITLE: Renovate Plant Science Building - Phase 2

DATE: **November 17, 2026**

State University Construction Fund

State University Plaza
353 Broadway
Albany, New York 12246

New York State College of Agriculture and Life Sciences at Cornell University





Reg. Exp: 09/30/2027
Cert. of Auth: 0023272



Reg. Exp: 04/30/2029
Cert. of Auth: 099088

ADDENDUM NO. 4

The following additions, deletions, and/or changes or clarifications to the drawings, specifications, and bidding documents for this project, shall become and are hereby made part of the Contract Documents. They change the original documents only in the manner and to the extent stated. Each bidder shall acknowledge receipt of this Addendum in the appropriate location on the bid proposal form.

This addendum contains forty-five (45) pages, which consists of one (1) cover page, two (2) addendum description pages, one modified project manual section consisting of seven (10) pages together, and thirty-two (32) revised drawings.

4.1: MODIFICATIONS TO PROJECT MANUAL

4.1a: 274116A – Integrated Audiovisual Systems Appendix A – OFOI Scope – ADD the following quote numbers for basis-of-design equipment reference. Assistive Listening Systems: Listen Technologies #Q-28381. Lecterns/Racks: Spectrum Industries #Q-000291724. The University will finalize equipment selections in 2028.

4.1b: 312301 – REVISED to incorporate language regarding geofoam.

4.2 MODIFICATIONS TO DRAWINGS

4.2a: S1.1, S1.2, S1.3, S1.4, S1.5 – ADDED text to general note: ASSUME 75 SF OF CONCRETE ENCASEMENT PATCHING AT THIS LEVEL FOR ESTIMATING PURPOSES ONLY. CONTRACTOR TO VERIFY IN FIELD.

4.2b: S3.2 – ADDED view 6 showing section at FRP slab reinforcing.

4.2c: S4.3 – REVISED views 5 and 6 to correct reference to 5/S5.2.

4.2d: S5.3 – ADDED a note to view 7 indicating: SEE ARCH DWGS FOR PAINT REQUIREMENTS AT HSS ROOF DUCT FRAMES, TYPICAL

4.2e: A1.0 – ADDED door number to BDA access door.

4.2f: A1.2 – REVISED section tag reference to 1/A11.03.

4.2g: A1.3 – REVISED annotations in suite 302.

4.2h: A1.4 – ADDED door tag to Biodiversity Lab entrance 402V.

4.2j: A8.10 – REVISED to update door elevations.

4.2k: A8.14 – REVISED to eliminate representation of heating units.

4.2m: A9.10 – REVISED wording on details 4, 7, 8, 9, 10, 11, 12. REVISED door frame elevations for clarity including detail references. DELETED exterior aluminum frame details.

4.2n: A9.11 – REVISED door schedule elements throughout where clouded. ADDED general notes and glazing schedule..

4.2q: MD2.U – REVISED existing isolation valves for 6” CHWS/R and 4” GHWS/R from ball valve to butterfly valves. ADDED Utility Tunnel 03 Room Tag. ADDED (E)2” HWS/R piping within the greenhouse heating equipment callout. REVISED piping configuration and tagging for (E)2" GHWS/R. ADDED (E)1 1/2" HWS/R (PH.1) piping within Mechanical B00UG. REVISED Demolition Note 3. DELETED Demolition Note 11. REVISED existing PH.1 GHWS/R, CHWS/R, RHWS/R, PCHWS/R, HHWS/R, and HWS/R under slab piping and piping riser’s configuration to match existing conditions.

4.2r: MD2.0 – ADDED existing PH.1 GHWS/R, CHWS/R, RHWS/R, PCHWS/R, HHWS/R, and HWS/R and associated tags to piping in Mechanical Corridor G0050 from Existing Mechanical G0064. ADDED additional piping tags. DELETED steam piping from Existing Lab Support G04F, Existing Research Lab G04C, and Existing Mechanical G00UM. ADDED Demolition Note 21.

4.2s: M2.U – REVISED existing isolation valves for 6” CHWS/R and 4” GHWS/R from ball valve to butterfly valves. ADDED room tag Utility Tunnel 03. ADDED (E) HWS/R piping at greenhouse heating

equipment callout. ADDED Unistrut for piping to Detail 2 and 3. REVISED Drawing Note 8. ADDED (E)1 1/2" HWS/R PH.1 piping to Mechanical B00UG. REVISED 2 1/2" HWS/R piping tie in to (E)1 1/2" HWS/R PH.1 piping within Mechanical B00UG. REVISED existing PH.1 GHWS/R, CHWS/R, RHWS/R, PCHWS/R, HHWS/R, and HWS/R under slab piping and piping riser's configuration to match existing conditions.

4.2t: M2.0 – ADDED PH.1 existing PH.1 GHWS/R, CHWS/R, RHWS/R, PCHWS/R, HHWS/R, and HWS/R and associated tags to piping in Mechanical Corridor G0050 from Existing Mechanical G0064.

4.2u: M2.3 – DELETED 3/4" CHWS/R and HWS/R branch taps from Culture 302B up to FCU-4-34 and from 30041 Corridor – north wing up to FCU-4-33. REVISED 1" CHWS/R piping within 30041 Corridor – north wing. REVISED 1 1/2" CHWS/R piping riser up to 4th floor to 2". ADDED pipe sizes to CHWS/R, HWS/R, and RHWS/R. REVISED 1 1/4" CHWS/R pipe size between HC-3-3 and FCU-4-28 to 1 1/2".

4.2v: M2.4 – REPLACED vertical exposed FCU-4-33 and FCU-4-34 from Corridor 40040, with horizontal concealed unit. ADDED 3/4" HWS/R and CHWS/R branch taps to FCU-4-33 & FCU-4-34. REVISED 3/4" CHWS/R branch taps to FCU-4-28 to 1 1/4". ADDED tag for FCU-4-26 in Computation Lab 431. REVISED 1" CHWS/R branch taps for FCU-4-26 to 1 1/4". REVISED 1" CHWS/R piping main between FCU-4-26 and FCU-4-27 to 1 1/4". REVISED 1" CHWS/R piping main to 1 1/2" after FCU-4-27. REVISED 1 1/2" CHWS/R piping riser down to 3rd floor to 2".

4.2w: M3.4 – ADDED tag for FCU-4-26 in Computation Lab 431. ADDED AAD tag in Detail 7. REVISED control wiring to FCU-4-34 and FCU-4-33. REPLACED vertical exposed FCU-4-33 and FCU-4-34 from Corridor 40040, with horizontal concealed unit. REVISED locations of FCU-4-33 and FCU-4-34

4.2x: M4.5 – ADDED General Note J. ADDED East Penthouse PH001 room tag to Details 5, 6, and 7. ADDED Mechanical 40060 room tag to Details 3 and 4. ADDED AAD tag for Detail 7. REVISED ductwork tags in details 4, 5, 6, and 7 to include systems. REVISED graphics in details 4, 5, 6, and 7 t to correctly show scope of work properly. ADDED ductwork continuations to all ductwork leaving Mechanical 40060 and East Penthouse PH001.

4.2y: M7.4 – ADDED Detail 4 Point of Use Exhaust Terminated Through Ceiling Detail. ADDED Detail 5 Point of Use Exhaust Terminated Through Soffit Detail. ADDED Detail 6 Flammable Cabinet Detail. ADDED Detail 7 Vacuum Pump Cabinet Venting Detail. ADDED Detail 8 Lab 118 Process Exhaust Venting Detail.

4.2z: TT0.01 – REVISED Responsibility Legend for clarity.

4.2aa: TA0.1, TA3.0, TA3.1, TA3.2, TA3.3 – REVISED line items in Audiovisual Equipment Schedule - Phase 2, Infrastructure Schedule - Phase 2, Network Schedule - Phase 2 and Power Schedule - Phase 2.

4.2ab: TA3.0 – REVISED view 4 flat panel tag.

4.2ac: TA3.1 – REVISED view 5 flat panel tag.

4.2ad: TA3.2 – REVISED view 7 flat panel tag.

4.2ae: TA3.3 – REVISED views 1, 5, 7, and 9 flat panel tags.

4.2af: TA4.0 – REVISED views 4, 8, 11, 13, 14, 15, 16, 20.

ATTACHMENTS:

- Project Specifications: 312301 (10 pages)
- Project Drawings: S1.1, S1.2, S1.3, S1.4, S1.5, S3.2, S4.3, S5.3, A1.0, A1.2, A1.3, A1.4, A8.10, A8.14, A9.10, A9.11, A11.01, MD2.U, MD2.0, M2.U, M2.0, M2.3, M2.4, M3.4, M4.5, M7.4, TT0.01, TA0.1, TA3.0, TA3.1, TA3.2, TA3.3, TA4.0

END OF ADDENDUM NO. 4

SECTION 31 23 01

EXCAVATION, BACKFILL, AND COMPACTION (BUILDING AREA)

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

A. Drawings and general provisions of contract, including general and supplementary conditions and Division 1 specification sections, apply to this section.

1. Refer to Division 1 for applicable local codes and regulations.
2. Section 017419 – Construction and Demolition Waste Management Disposal.
3. Section 018113 – Sustainable Design Requirements.
4. Section 018119 – Construction Indoor Air Quality Requirements.

1.2 DESCRIPTION OF WORK

A. This section pertains to an area bounded by 5-feet-minimum outside of and parallel to the exterior walls of the building, including canopies, loading docks, and other structures attached to the building.

B. This work includes the following:

1. Preparing subgrade for building slabs, walks, and pavements.
2. Preparing subbase for support of building slabs.
3. Excavating and backfilling for building structure.
4. Excavating and backfilling of trenches within building lines.
5. Excavating and backfilling for underground mechanical and electrical utilities and buried mechanical and electrical appurtenances.
6. Excavating and backfilling for Mechanical/Electrical Work. Refer to mechanical and electrical sections for excavation and backfill required in conjunction with underground mechanical and electrical utilities and buried mechanical and electrical appurtenances.
7. Final grading and placement and preparation for topsoil for lawns and planting are specified in Division 312000 – Earth Moving.

1.3 SUSTAINABLE DESIGN REQUIREMENTS

A. Sustainable Design Requirements: The Owner requires the Contractor to implement practices and procedures to meet the Project's environmental performance goals, which include achieving LEED v4 Certification. Refer to Section 01 81 13 "Sustainable Design Requirements" for the Project's target certification level and specific LEED requirements. The Contractor shall ensure that the requirements related to the Project's sustainability design goals are implemented to the fullest extent. Substitutions, or other changes to the work proposed by the Contractor or their Subcontractors, will not be allowed if such changes compromise the Project's sustainability goals and LEED certification.

1.4 QUALITY ASSURANCE

A. Comply with: New York State Department of Transportation (NYSDOT) “Standard Specifications for Construction and Materials.”

B. Routine testing of existing soils and compacted material for compliance with these specifications will be performed as part of Special Inspections.

1. Compacted material not meeting density requirements shall be removed or recompacted and retested at Contractor’s expense.

1.5 SPECIAL INSPECTIONS

A. Refer to Specification Section 014533 and Schedule of Special Inspections.

1.6 MATERIAL EVALUATION/QUALITY CONTROL

A. Preconstruction Testing: Contractor shall employ Testing Agency acceptable to Engineer and Architect to perform the following services:

1. Test materials proposed for use by Contractor to verify specified requirements.

a. Determine optimum moisture at which maximum density can be obtained in accordance with ASTM D 1557, Modified Proctor.
b. Perform particle size analysis in accordance with ASTM D 422.

B. Submit Testing Agency qualifications demonstrating experience with similar types of projects.

C. The RDP for Geotechnical Engineering shall perform the following:

1. Identify soils requiring undercutting and replacement when subgrade is exposed.
2. Verify footing bearing strata.
3. Review and accept materials proposed by Contractor for use as compacted fill based on test data and information submitted by preconstruction Testing Agency. Architect shall coordinate review of submittals.
4. Observe and accept filling and compaction procedures.
5. Review and approve preparation of slab-on-grade subgrade and subbase.

D. Geotechnical Engineer shall submit copies of reports to Special Inspector, Engineer, Architect, Construction Manager, and Contractor. Include date of site visit, description of work observed, and summary of observations and recommendations.

1.7 SUBMITTALS

A. Submit to RDP for Geotechnical Engineering:

1. Gradations for proposed fill materials and mix design proposed for flowable fill at least 15 days before start of backfilling. Flowable fill submittal shall include ASTM C 1260 test results.
2. Product data, specifications, and installation instructions for proprietary materials.

3. Material certifications for products specified to conform with NYSDOT references and ASTM references.

B. Prior to placement of slab on grade, submit to Special Inspector and RDP for Structural Engineering a written protection program for vapor retarder, slab subbase, and slab on grade for record only.

C. LEED v4 Submittals:

1. For all permanently installed products and materials related to the work of this Section, submit product and material documentation to comply with and contribute to the Project's LEED requirements, as outlined in the Submittals article of Section 018113 – Sustainable Design Requirements.
2. For all interior, wet-applied adhesives, sealants, paints, and coatings related to the work of this Section, submit product and material documentation as outlined in the Submittals article of Section 018113 "Sustainable Design Requirements."

1.8 DEFINITIONS

A. Excavation: Removal of material encountered to subgrade elevations indicated and subsequent disposal of materials removed.

B. Unauthorized Excavation: Removal of materials beyond indicated subgrade elevations or dimensions without specific direction of Architect. Unauthorized excavation and remedial work directed by Architect shall be at Contractor's expense.

1. Under footings, foundation bases, or retaining walls, fill unauthorized excavation by extending indicated bottom elevation of footing or base to excavation bottom without altering required top elevation. Lean concrete may be used to bring elevations to proper position when acceptable to Architect.
2. In locations other than those above, backfill and compact unauthorized excavations as specified for authorized excavations of same classification unless otherwise directed by Architect.

C. Additional Excavation: If RDP for Geotechnical Engineering determines bearing materials at required subgrade elevations are unsuitable, continue excavation until suitable bearing materials are encountered. Replace excavated material as directed by Geotechnical Engineer.

1. Removal of unsuitable material and replacement as directed will be paid on basis of conditions of contract relative to changes in work.

D. Subgrade: Undisturbed earth or compacted soil layer immediately below granular subbase, base of structure, or topsoil materials.

E. Structure: Buildings, foundations, slabs, tanks, curbs, or other man-made stationary features occurring above or below ground surface.

1.9 PROJECT CONDITIONS

A. Site Information: Subsurface investigation reports were used for basis of design and are available to Contractor for information only. Conditions are not intended as representations or warranties of accuracy or continuity between soil borings. Owner will not be responsible for interpretations or conclusions drawn from this data by Contractor.

1. Additional test borings and other exploratory operations may be performed by Contractor at Contractor's option; however, no change in contract sum will be authorized for additional exploration.

B. Existing Utilities: Locate existing underground utilities in work area before starting earthwork operations. Where utilities are to remain in place, provide adequate means of protection during earthwork operations.

1. If uncharted or incorrectly charted piping or other utilities are encountered during excavation, consult with utility owner and Architect immediately for directions. Cooperate with Owner and public and private utility companies to keep services and facilities in operation. Repair damaged utilities as required by utility owner.
2. Do not interrupt existing utilities serving facilities occupied by Owner or others during occupied hours except when permitted in writing by Architect and then only after acceptable temporary utility services have been provided.

a. Provide minimum 48-hours notice to Architect and receive written notice to proceed before interrupting utilities.

3. Demolish and remove from site existing underground utilities indicated to be removed. Coordinate with utility companies for shutoff of services if lines are active.

C. Use of Explosives: Do not bring explosives onto site or use in work.

D. Protection of Property: Protect structures, utilities, sidewalks, pavements, and other facilities from damage caused by settlement, lateral movement, undermining, washout, and other hazards created by earthwork operations.

1. Precondition Survey: Contractor shall perform a precondition survey of structures adjacent to planned excavation and foundation installation and submit to Architect for review. Survey shall include description and photographs of adjacent buildings, clearly identifying benchmarks relative to datum level sufficiently distant so as not be affected by project operations. Contractor shall be responsible for making repairs to existing structures to the Owner's satisfaction for damage caused by construction activities not in conformance with these specifications.
2. Perform excavation by hand within drip line of large trees to remain. Protect root systems from damage and from drying out to greatest extent possible. Maintain moist condition for root system, and cover exposed roots with moistened burlap.

1.10 PRODUCT HANDLING

A. Store materials so as to preserve their quality and fitness for work.

1.11 WORKMANSHIP

A. Contractor shall be responsible for correction of work not conforming to specified requirements. Correct deficient work as directed by Architect.

B. Remove work found to be defective. Replace with new acceptable work.

PART 2 - PRODUCTS

2.1 LEED PERFORMANCE REQUIREMENTS

A. For all permanently installed products and materials related to the work of this Section, provide products and materials that meet the Project's LEED performance criteria as outlined in PART 2 - PRODUCTS of Section 018113 “Sustainable Design Requirements.”

2.2 MATERIALS

A. General Fill Material: Soil materials free of clay, rock or gravel larger than 3 inches in any dimension, debris, waste, frozen materials, vegetation, and other deleterious matter.

B. Flowable Fill Material: Cementitious, flowable, excavatable, backfill material having a compressive strength of 50 to 100 pounds per square inch (psi) at 28 days. Provide mix that minimizes shrinkage and is non-expansive.

C. Structural Fill: Sound and durable sand and gravel, free of deleterious materials such as pyritic shale, organics, or contaminants of a chemical, mineral, or biological nature and conforming to New York State Department of Transportation, paragraph 304-2.02, Type 2 or 4 and the following limits of gradation:

Sieve		Percent Passing
Sieve Size	Size opening (mm)	
3 inch	76.20	100
2 inch	50.80	90 – 100
3/4 inch	19.00	75 – 90
1/4 inch	6.35	35 – 65
No. 40	0.42	5 – 40
No. 200	0.074	0 – 8

D. Subbase Material: Sound and durable sand and gravel, free of organic and other deleterious materials, conforming to New York State Department of Transportation, paragraph 304-2.02, Type 2 or 4.

E. Drainage Fill: Washed crushed stone or crushed or uncrushed gravel conforming to NYSDOT Section 703-02, Table 703-4, Size 2.

F. Cushion Sand: Comply with requirements of NYSDOT Section 703-06.

G. Bedding: Comply with the requirements of NYSDOT Section 703-02, material requirements, crushed stone 703-0201, size No. 2.

H. Filter Fabric: “Geotex 351” by Propex Geosynthetics; “Mirafi 140N” by Mirafi, Inc.; or accepted equivalent.

I. Excavated Materials: Do not use as structural fill or subbase material. Do not use as general fill material unless accepted by Geotechnical Engineer.

J. Foundation Drainage Pipe: Corrugated Polyethylene Pipe (Solid and Perforated).

1. Pipe Classification: AASHTO M252 Type S.
2. Material Classification: ASTM D 3350.
3. Property Description: Cell Class 324420C.
4. Pipe Size: as indicated in Plans.
5. Perforation Size: 22 mm by 3 mm slotted Class II perforations with a minimum inlet area of 1 sq. inch per lineal foot of pipe.
6. Joint Couplings: External snap couplers with gaskets for solid wall; external snap couplers without gaskets for perforated pipe.
7. Acceptable Manufacturer: Hancor, Inc., P.O. Box 1047, Findlay, OH 45839, (419) 424-5200. Advanced Drainage Systems 4640 Trueman Blvd, Hilliard, OH 43026 800-821-6710.

K. **Geofoam Block Backfill: Molded expanded polystyrene conforming to ASTM C578, Type VIII or ASTM D6817 EPS 19 with a density of 1.15 pounds per cubic foot, minimum block size 2 feet by 2 feet by 4 feet as manufactured by Thermal Foams, Buffalo, NY 716-874-6474; Insulated Building Systems, Winchester, VA 540-662-0882; Insulfoam, Tacoma, WA 253-572-5111 or accepted equivalent.**

PART 3 - EXECUTION

3.1 JOB CONDITIONS

A. Examine substrates and conditions under which work shall be performed. Do not proceed with work until unsatisfactory conditions are corrected.

B. Maintain drainage and restrict traffic within building area during construction to maintain integrity of subgrade. Failure to observe these precautions will require Contractor to remove disturbed areas and correct at his expense.

3.2 COLD-WEATHER PROTECTION

A. Protect excavation bottoms against freezing when atmospheric temperature is less than 35 degrees F.

3.3 REMOVALS

A. Clear, grub, and strip site of vegetation, topsoil, and other organic materials.

B. Remove brick fragments and other construction debris. Plow-strip or break up sloped surfaces steeper than 1 vertical to 4 horizontal so fill material can bond with existing surface.

1. When existing ground surface has a density less than that specified for a particular area classification, break up ground surface, pulverize, moisture-condition to optimum moisture content, and compact to required depth and percentage of maximum density.

C. Removal from Owner's Property: Remove waste materials, including unacceptable excavated material, trash, and debris. Legally dispose off Owner's property.

3.4 EXCAVATION

A. Excavation shall be considered unclassified and understood to mean all materials encountered during excavation. Trenches in excess of 10 feet in width and pits in excess of 30 feet in either length or width are classified as open excavation.

B. Excavations shall be laid back or sheeted and braced to prevent sloughing in of sides. Maintain sides and slopes of excavations in stable condition until completion of backfill. Incline cut slopes no steeper than permitted by OSHA standards for excavations in soil type(s) encountered.

C. Hand trim foundation excavations to remove loose soil or ridges of materials left by equipment.

D. Keep loose material and debris out of excavations.

E. Shoring and Bracing: Provide materials for shoring and bracing, including sheet piling, uprights, stringers, and cross braces, in good serviceable condition. Maintain shoring and bracing in excavations regardless of time period excavations will be open. Extend shoring and bracing as excavation progresses.

1. Provide permanent steel sheet piling or pressure-creosoted timber sheet piling wherever subsequent removal of sheet piling might permit lateral movement of soil under adjacent structures. Cut off tops minimum 2 feet 6 inches below final grade, and leave permanently in place.

3.5 DEWATERING

A. Dewatering activities shall conform to Stormwater Pollution Prevention Plan (SWPPP) implemented by site operator if required as a condition of construction permit.

B. Perform excavation and filling in manner and sequence to provide proper drainage at all times.

C. Prevent surface water and subsurface or groundwater from flowing into excavations and from flooding project site and surrounding area.

1. Do not allow water to accumulate in excavations. Remove water to prevent softening of foundation bottoms, undercutting of footings, and soil changes detrimental to stability of subgrades and foundations. Provide and maintain pumps, well points, sumps, suction and discharge lines, and other dewatering system components necessary to convey water away from excavations.
2. Establish and maintain temporary drainage ditches and other diversions outside excavation limits to convey rainwater and water removed from excavations to collecting or runoff areas. Do not use trench excavations as temporary drainage ditches.

3.6 STORAGE OF EXCAVATED MATERIALS

A. On-site storage of excavated materials shall conform to Stormwater Pollution Prevention Plan (SWPPP) implemented by site operator if required as condition of construction permit.

B. Stockpile excavated materials acceptable for reuse. Place, grade, and shape stockpiles for proper drainage.

1. Locate and retain soil materials away from edges of excavations. Do not store within drip lines of trees indicated to remain.
2. Dispose of excess excavated soil material and materials not acceptable for use as general fill.

3.6 TRENCH EXCAVATION FOR PIPES AND CONDUIT

A. Excavate trenches to uniform width sufficiently wide to provide ample working room and minimum of 6 to 9 inches of clearance on both sides of pipe or conduit.

B. Do not locate trenches that are deeper than adjacent footings closer horizontally to footing than vertical distance separating bottom of trench and bottom of footing.

C. Excavate trenches and conduit to depth indicated or required to establish indicated slope and invert elevations and to support bottom of pipe or conduit on undisturbed soil. Beyond building perimeter, excavate trenches to allow installation of top of pipe below frost line.

1. Where rock is encountered, carry excavation 6 inches below required elevation and backfill with a 6-inch layer of bedding prior to installing pipe.
2. For pipes or conduit less than 6 inches in nominal size and for flat-bottomed, multiple-duct conduit units, do not excavate beyond indicated depths. Hand-excavate bottom cut to accurate elevations and support pipe or conduit on undisturbed soil.
3. For pipes and equipment 6 inches or larger in nominal size, shape bottom of trench to fit bottom of pipe for 90 degrees (bottom 1/4 of the circumference). Fill depressions with bedding or tamped cushion sand backfill. At each pipe joint, dig bell holes to relieve pipe bell of loads to ensure continuous bearing of pipe barrel on bearing surface.

3.7 FILLING, BACKFILLING, AND COMPACTION

A. Do not place fill material on surfaces that are muddy, frozen, or contain frost or ice.

B. Use structural fill to increase grades within building areas, as interior backfill against foundations and in trenches, as exterior backfill against walls with footing drains and as exterior backfill where pavement or walkways abut building.

C. Contractor may use flowable fill to increase grades and as interior backfill against foundations and in trenches. Allow fill to cure for at least 7 days before setting forms for concrete foundations or placing slab on grade.

D. Use subbase material directly below slabs and pavements as shown in drawings.

E. Use general fill material to increase grades outside building area except as otherwise specified.

F. Use drainage fill around footing drains as detailed in drawings. Wrap drainage fill with filter fabric.

G. Backfill trenches with concrete where trench excavations pass within 18 inches of column or wall footings and are carried below bottom of such footings or pass under wall footings. Place concrete to level of bottom of adjacent footing.

H. Backfill trenches with concrete or flowable fill where trench excavations pass within 18 inches of and are carried below bottom of installed or existing grade beams or pile caps or that pass under grade beams. Place concrete to level of bottom of adjacent grade beam.

I. Backfill foundation excavations as soon as possible following construction of foundations and foundation walls.

J. Backfill and fill against foundation walls evenly on both sides to prevent displacement of construction. For walls with fill on one side only, do not backfill until concrete has achieved 70 percent of its design strength and walls have been braced.

K. Begin filling in lowest section of area.

L. Place fill materials in layers not to exceed a loose lift thickness of 8 inches. Limit lift thickness as necessary to ensure that adequate compaction is achieved with the compaction equipment used.

M. Lifts or portions thereof not compacted in accordance with specifications shall be recompacted or removed and replaced to meet compaction requirements.

N. Percentage of Maximum Density Requirements: Compact soil to not less than the following percentages of maximum density in accordance with ASTM D 1557, Modified Proctor:

1. Under structures, footings, foundations, building slabs, and steps: Compact top 12 inches of subgrade and each layer of fill material to 95 percent.
2. Under pavements: Compact top 12 inches of subgrade and each layer of fill material to 95 percent.
3. Subbase Material: Compact to 95 percent with moisture content no greater than 2 percent wet of optimum.
4. Under walkways: Compact top 6 inches of subgrade and each layer of fill material to 95 percent.
5. Under lawn or unpaved areas: Compact top 6 inches of subgrade and each layer of fill material to 90 percent.
6. Cushion sand: Compact to 100 percent.
7. Drainage fill: Density testing is not applicable. Compact each layer to minimize voids.

O. Where a power roller is used for compaction, do not approach nearer than 10 feet from walls of new or existing construction.

P. Moisture Control: Where subgrade or layer of soil material must be moisture- conditioned before compaction, uniformly apply water to surface of subgrade or layer of soil material. Apply water in minimum quantity as necessary to prevent free water from appearing on surface during or subsequent to compaction operations.

1. Remove and replace or scarify and air-dry soil material too wet to permit compaction to specified density.

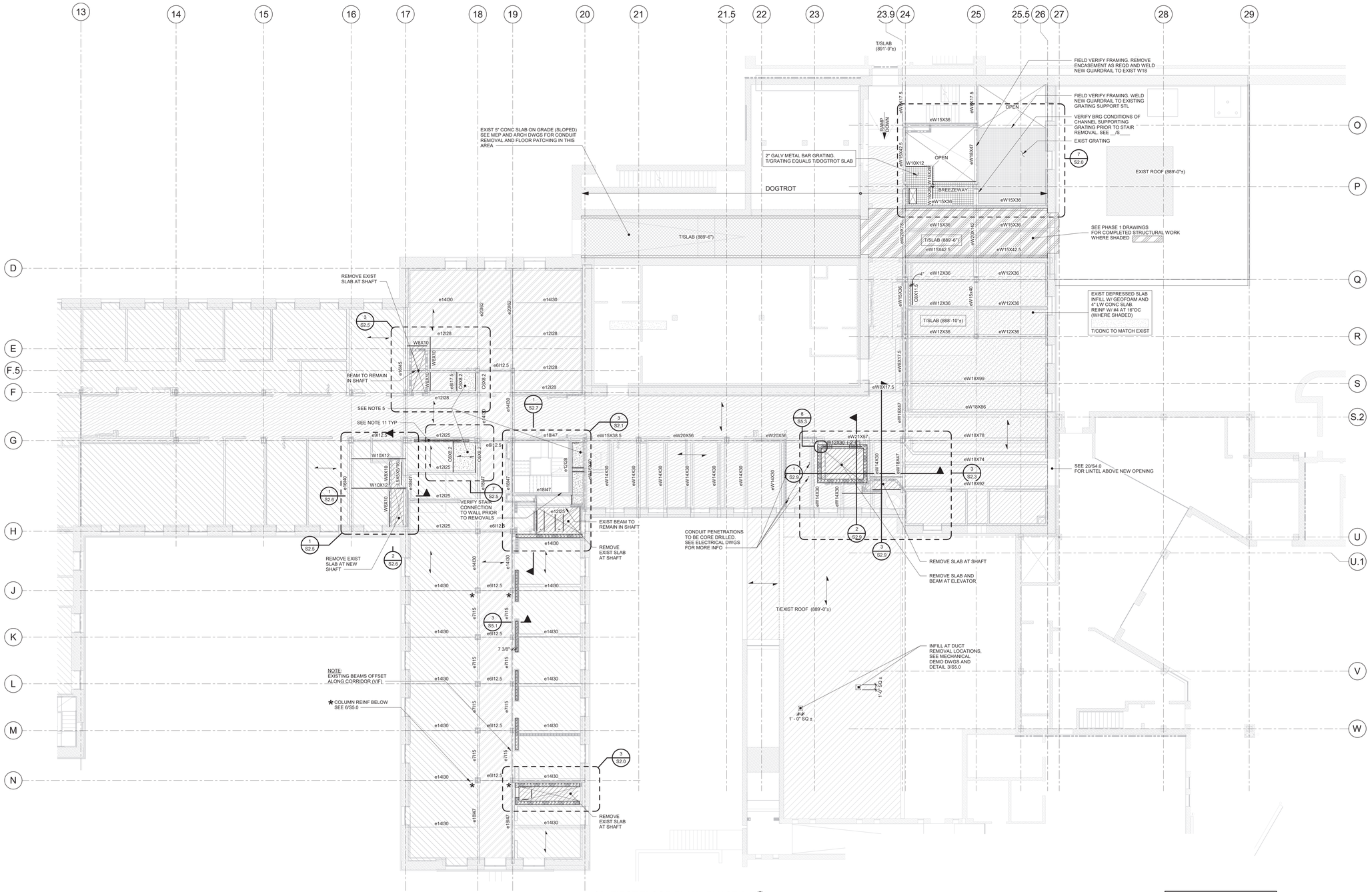
2. Stockpile or spread soil material that has been removed because it is too wet to permit compaction. Assist drying by discing, harrowing, or pulverizing until moisture content is reduced to satisfactory value.

3.8 TOLERANCES

A. Excavation for structures shall conform to elevations and dimensions shown within a tolerance of plus or minus 0.10 foot except to facilitate drainage during construction stage.

B. Surface of subbase under building slabs shall be graded smooth and even, free of voids, and rolled to required elevation. Provide final grades within tolerance of 1/2 inch when tested with 10-foot straightedge.

END OF SECTION 31 23 01 (02/21)



1 S1.1 FIRST FLOOR PLAN - PHASE 2

1/8" = 1'-0"

NOTE:
T/CONCRETE (889'-6"±), TYPICAL UNLESS NOTED OTHERWISE.

FLOOR FRAMING PLAN NOTES:

1. T/STEEL ELEVATION (-3 1/2") BELOW T/EXISTING CONCRETE SLAB, TYPICAL UNLESS NOTED OTHERWISE.
2. EQUALLY SPACE FLOOR BEAMS UNLESS NOTED OTHERWISE.
3. COORDINATE FLOOR OPENING SIZE AND LOCATIONS WITH MECHANICAL AND ARCHITECTURAL DRAWINGS. SEE 1/S5.0 AND 2/S5.0.
4. COORDINATE MEP SLAB CORE LOCATIONS TO AVOID EXISTING STEEL FRAMING. DO NOT DAMAGE EXISTING STEEL FRAMING.
5. INDICATES 6 1/2" (TOTAL THICKNESS) LIGHT WEIGHT CONCRETE SLAB ON 3" X 18 GA GALVANIZED COMPOSITE METAL DECK, REINFORCE WITH #4 AT 16"OC EACH WAY. T/CONCRETE INFILL TO MATCH T/EXISTING SLAB.
6. SEE 2/S5.0 FOR OPENINGS THROUGH EXISTING SLABS.
7. SEE 3/S5.0 FOR INFILL OF EXISTING SLAB OPENINGS. ALL ABANDONED EXISTING SLAB OPENINGS ARE TO BE INFILLED TYPICAL.
8. SEE 6/S5.0 FOR COLUMN REINFORCING SCHEDULE.
9. SEE 7/S5.0 FOR CONNECTIONS TO EXISTING FRAMING.
10. SEE S0.1 FOR ADDITIONAL NOTES.
11. INDICATES BEAM REINF. SEE 5/S5.0
12. CG TO COORD LEAD PAINT REMOVAL AT ALL ATTACHMENTS OF NEW STEEL TO EXIST STEEL, AT ALL LEVELS.

ALL EXISTING FRAMING NOT SHOWN. SLABS ARE SUPPORTED BY CONCRETE ENCASED STEEL BEAMS. PATCH EXISTING CONCRETE ENCASEMENT WHERE DAMAGED. ASSUME 75 SF OF CONCRETE ENCASEMENT PATCHING AT THIS LEVEL FOR ESTIMATING PURPOSES ONLY. CONTRACTOR TO VERIFY IN FIELD. C

SEE PLAN DETAILS AND SECTIONS FOR REQUIRED STRUCTURE PRIOR TO PERFORMING REMOVALS

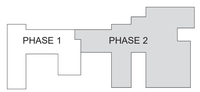
EXISTING SLAB KEY PLAN			
#	THICKNESS	HATCHING	TYPE
a1	4 1/2"±		SOLID
a2	5 1/2"±		SOLID
a3	6"±		SOLID
a4	6 1/2"±		SOLID
a5	8"±		SOLID
a0	8"±	NO PATTERN	SOG

RENOVATE PLANT SCIENCE BUILDING - PHASE 2
SUCF Project No. 161026-00
236 Tower Road
Ithaca, NY 14853

Cornell CALS College of Agriculture and Life Sciences
SUNY State University Construction Fund

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Ellana Cost Consulting	32 Broadway, Suite 801 New York, NY 10004 T 212971-0936

Notes:



Keyplan

Job Number	31909.00
Drawing By	RMS
Checked By	JLD
Filename	
Date	August 31, 2026

Revisions

A	Addendum 2	11/02/2026
C	Addendum 4	11/12/2026

STRUCTURAL-FIRST FLOOR PLAN - PHASE 2

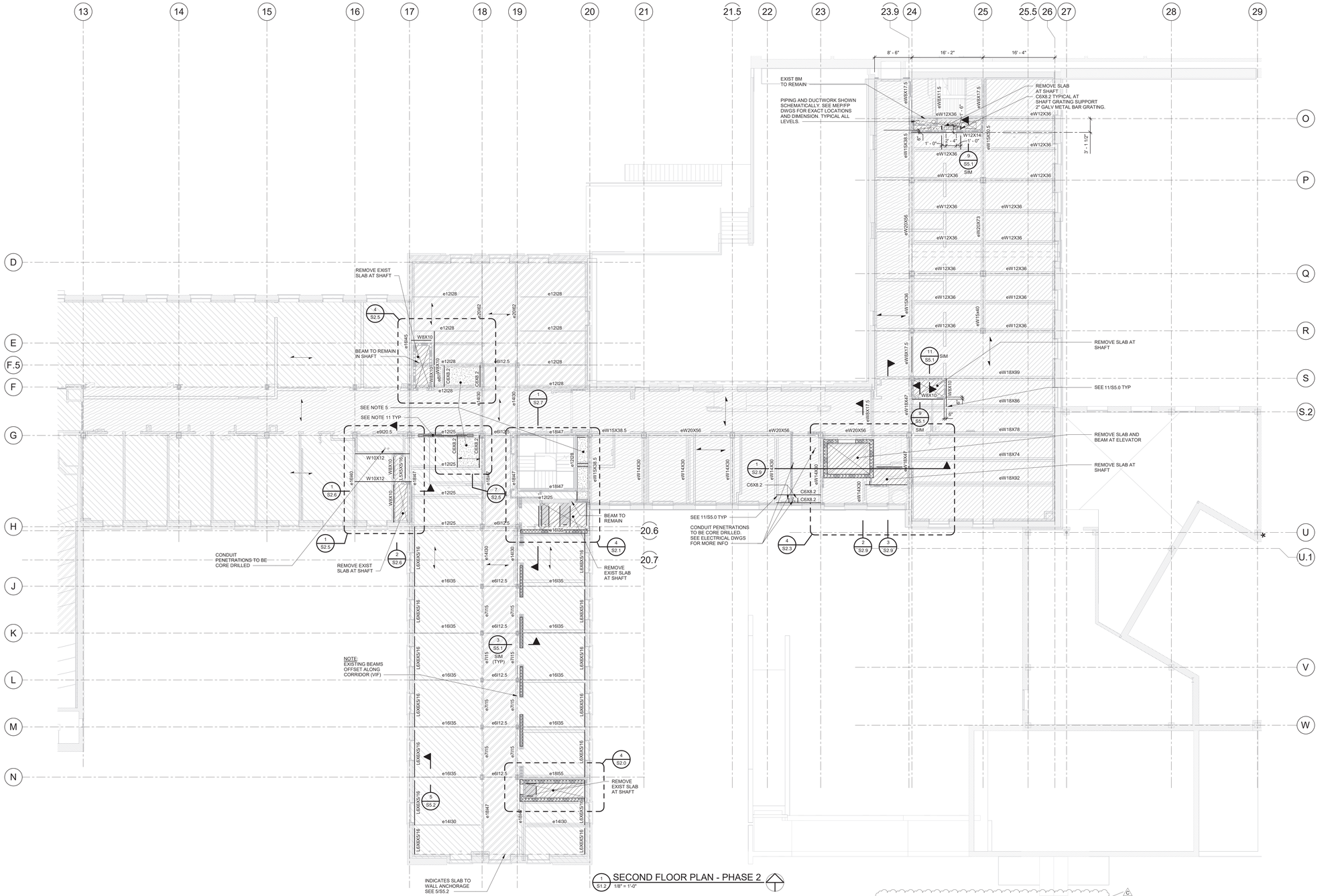
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EXPIRATION DATE: SEPTEMBER 30, 2027
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SECOND FLOOR PLAN - PHASE 2

1/8" = 1'-0"

NOTE:
T/CONCRETE (902'-0"±), TYPICAL UNLESS NOTED OTHERWISE.

FLOOR FRAMING PLAN NOTES:

1. T/STEEL ELEVATION (-3 1/2") BELOW T/EXISTING CONCRETE SLAB, TYPICAL UNLESS NOTED OTHERWISE.
2. EQUALLY SPACE FLOOR BEAMS UNLESS NOTED OTHERWISE.
3. COORDINATE FLOOR OPENING SIZE AND LOCATIONS WITH MECHANICAL AND ARCHITECTURAL DRAWINGS. SEE 1/S5.0 AND 2/S5.0.
4. COORDINATE MEP SLAB CORE LOCATIONS TO AVOID EXISTING STEEL FRAMING. DO NOT DAMAGE EXISTING STEEL FRAMING.
5. - INDICATES 6 1/2" (TOTAL THICKNESS) LIGHT WEIGHT CONCRETE SLAB ON 3" X 18 GA GALVANIZED COMPOSITE METAL DECK, REINFORCE WITH #4 AT 16"OC EACH WAY. T/CONCRETE INFILL TO MATCH T/EXISTING SLAB.
6. SEE 2/S5.0 FOR OPENINGS THROUGH EXISTING SLABS.
7. SEE 3/S5.0 FOR INFILL OF EXISTING SLAB OPENINGS. ALL ABANDONED EXISTING SLAB OPENINGS ARE TO BE INFILLED TYPICAL.
8. SEE 6/S5.0 FOR COLUMN REINFORCING SCHEDULE.
9. SEE 7/S5.0 FOR CONNECTIONS TO EXISTING FRAMING.
10. SEE S0.1 FOR ADDITIONAL NOTES.
11. - INDICATES BEAM REINF. SEE 5/S5.0.
12. CG TO COORD LEAD PAINT REMOVAL AT ALL ATTACHMENTS OF NEW STEEL TO EXIST STEEL, AT ALL LEVELS.

ALL EXISTING FRAMING NOT SHOWN. SLABS ARE SUPPORTED BY CONCRETE ENCASED STEEL BEAMS. PATCH EXISTING CONCRETE ENCASEMENT WHERE DAMAGED. ASSUME 75 SF OF CONCRETE ENCASEMENT PATCHING AT THIS LEVEL FOR ESTIMATING PURPOSES ONLY. CONTRACTOR TO VERIFY IN FIELD.

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SEE PLAN DETAILS AND SECTIONS FOR REQUIRED STRUCTURE PRIOR TO PERFORMING REMOVALS

EXISTING SLAB KEY PLAN

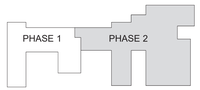
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a2	5 1/2"±		SOLID
a3	6"±		SOLID
a4	6 1/2"±		SOLID
a5	8"±		SOLID
a0	8"±	NO PATTERN	SOG

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Keyplan

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Revisions

C	Addendum 4	11/12/2026

STRUCTURAL-SECOND FLOOR PLAN - PHASE 2

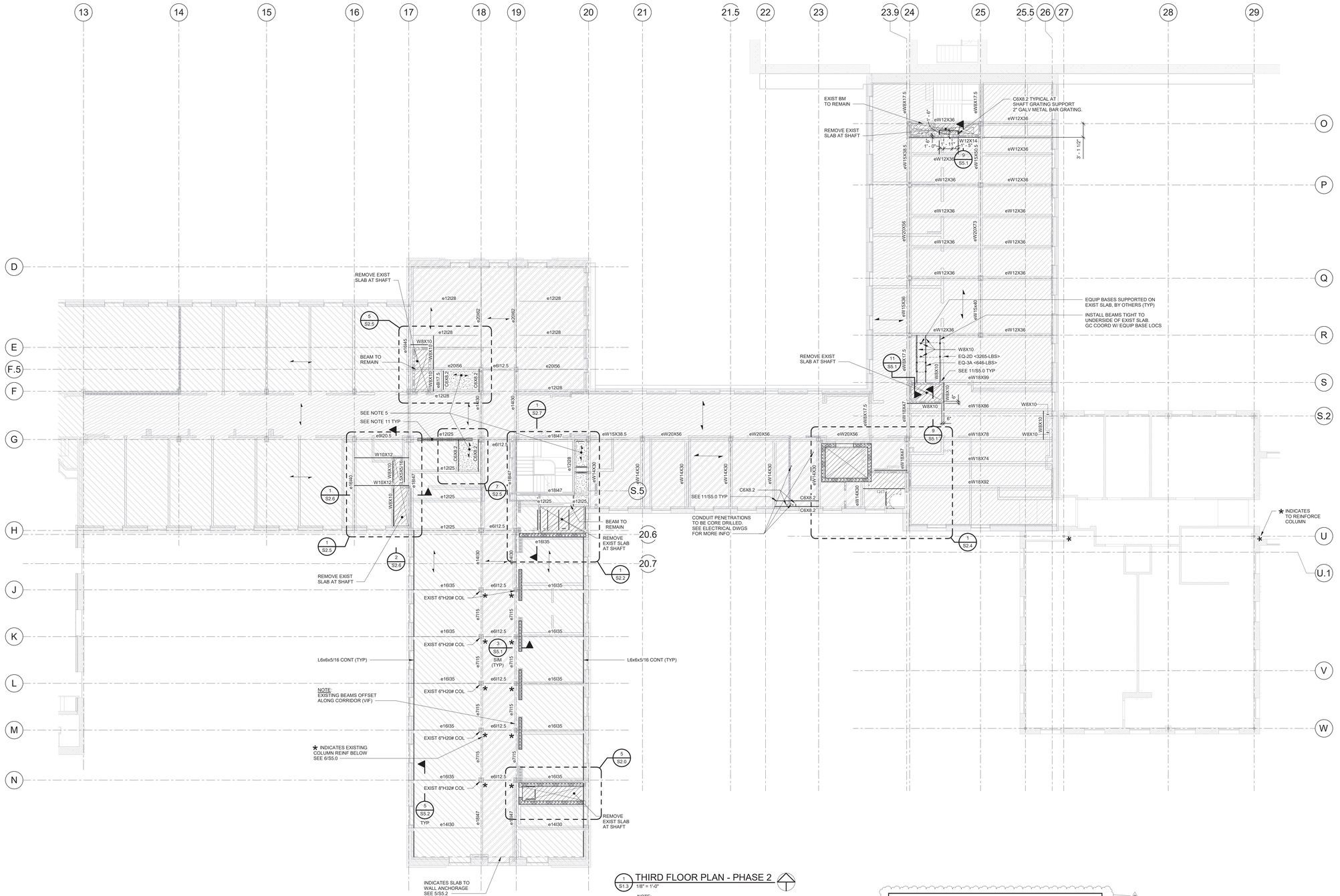
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1 S1.3 THIRD FLOOR PLAN - PHASE 2
1/8" = 1'-0"

NOTE:
T/CONC (915'-6"±), TYPICAL UNLESS NOTED OTHERWISE.

FLOOR FRAMING PLAN NOTES:

1. T/STEEL ELEVATION (-3 1/2") BELOW T/EXISTING CONCRETE SLAB, TYPICAL UNLESS NOTED OTHERWISE.
2. EQUALLY SPACE FLOOR BEAMS UNLESS NOTED OTHERWISE.
3. COORDINATE FLOOR OPENING SIZE AND LOCATIONS WITH MECHANICAL AND ARCHITECTURAL DRAWINGS. SEE 1/S5.0 AND 2/S5.0.
4. COORDINATE MEP SLAB CORE LOCATIONS TO AVOID EXISTING STEEL FRAMING. DO NOT DAMAGE EXISTING STEEL FRAMING.
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11. INDICATES BEAM REINF. SEE 5/S5.0.
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SEE PLAN DETAILS AND SECTIONS FOR REQUIRED STRUCTURE PRIOR TO PERFORMING REMOVALS

EXISTING SLAB KEY PLAN

#	THICKNESS	HATCHING	TYPE
a1	4 1/2"±		SOLID
a2	5 1/2"±		SOLID
a3	6"±		SOLID
a4	6 1/2"±		SOLID
a5	8"±		SOLID
a0	8"±	NO PATTERN	SOG

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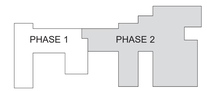
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Notes:



Keyplan

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Revisions
C Addendum 4 11/12/2026

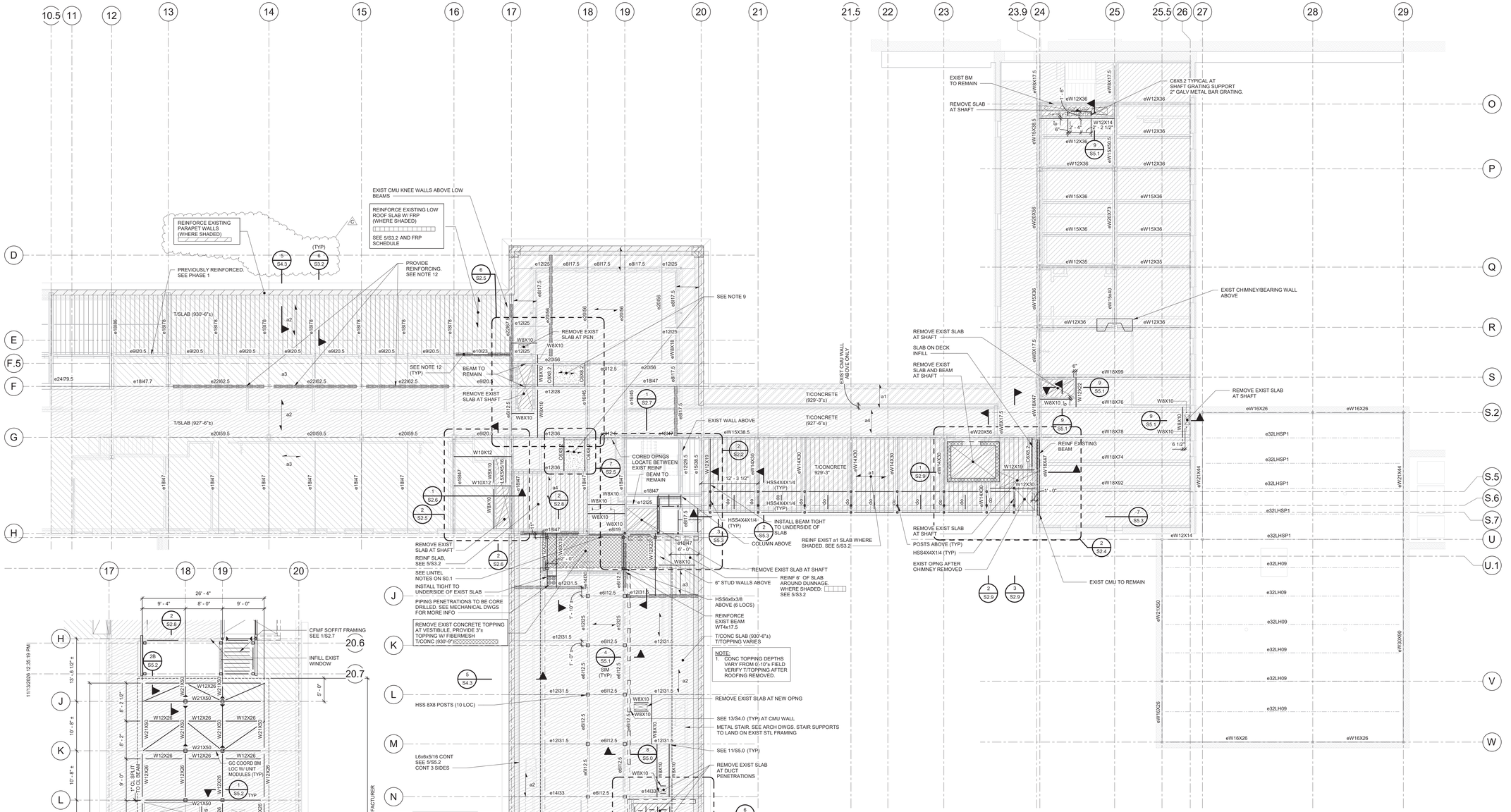
STRUCTURAL-THIRD FLOOR PLAN - PHASE 2

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Scale: As indicated

S1.3

EXPIRATION DATE: SEPTEMBER 30, 2027
CERTIFICATE OF AUTHORIZATION #: 0023272

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2 S1.4 EAST DUNNAGE FRAMING PLAN - PART A

1/8" = 1'-0"

NOTE:
T/STEEL (936'-6") TYPICAL UNLESS NOTED OTHERWISE.

1 S1.4 FOURTH FLOOR PLAN - PHASE 2

1/8" = 1'-0"

FOURTH FLOOR FRAMING PLAN NOTES:

1. T/CONCRETE (927'-6"±) (FOURTH FLOOR)(WHERE SHADED)
2. T/CONCRETE (929'-3"±) (ROOF).
3. T/TOPPING VARIES.

ROOF FRAMING PLAN NOTES:

1. T/EXISTING STEEL (-1 1/2") BELOW T/EXISTING CONCRETE SLAB, UNLESS NOTED OTHERWISE. FIELD VERIFY.
2. EQUALLY SPACE ROOF BEAMS UNLESS NOTED OTHERWISE.
3. RD - INDICATES ROOF DRAIN, EF - INDICATES EXHAUST FAN, RV - INDICATES ROOF VENT. COORDINATE SIZE AND LOCATION WITH MECHANICAL AND ARCHITECTURAL DRAWINGS. PROVIDE ROOF OPENING ANGLE FRAME AT ROOF DRAINS AND OTHER OPENINGS WIDER THAN 12 INCHES. SEE 1/S5.0. REFER TO THE SPECIFICATIONS FOR DECK REINFORCEMENT REQUIREMENTS AT OPENINGS NOT SUPPORTED BY STEEL FRAMING.
4. COORDINATE MEP SLAB CORE LOCATIONS TO AVOID EXISTING STEEL FRAMING. DO NOT DAMAGE EXISTING STEEL FRAMING.
5. SEE 2/S5.0 FOR OPENINGS THROUGH EXISTING SLABS.
6. SEE 3/S5.0 FOR INFILL OF EXISTING SLAB OPENINGS. ALL ABANDONED EXISTING SLAB OPENINGS ARE TO BE INFILLED TYPICAL.
7. SEE 6/S5.0 FOR COLUMN REINFORCING SCHEDULE.
8. NOTIFY ENGINEER IF ACTUAL WEIGHTS OF MEP EQUIPMENT EXCEED WEIGHTS NOTED IN DRAWINGS. CONTRACTOR SHALL SUBMIT LOAD DATA TO ENGINEER FOR REVIEW PRIOR TO PROCEEDING WITH INSTALLATION OF EQUIPMENT AND ANY ASSOCIATED STRUCTURAL SUPPORTS. COORDINATE EXACT LOCATION OF EQUIPMENT (INCLUDING HOUSEKEEPING PADS, RAILS, STRUCTURAL FRAMING, ETC.) WITH MECHANICAL DRAWINGS AND EQUIPMENT SUPPLIERS.
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11. SEE 7/S5.0 FOR CONNECTIONS TO EXISTING FRAMING.
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SEE PLAN DETAILS AND SECTIONS FOR REQUIRED STRUCTURE PRIOR TO PERFORMING REMOVALS

ALL EXISTING FRAMING NOT SHOWN. SLABS ARE SUPPORTED BY CONCRETE ENCASED STEEL BEAMS. PATCH EXISTING CONCRETE ENCASEMENT WHERE DAMAGED. ASSUME 75 SF OF CONCRETE ENCASEMENT PATCHING AT THIS LEVEL FOR ESTIMATING PURPOSES ONLY. CONTRACTOR TO VERIFY IN FIELD.

EXISTING SLAB KEY PLAN

#	THICKNESS	HATCHING	TYPE
a1	4 1/2"±		SOLID
a2	5 1/2"±		SOLID
a3	6"±		SOLID
a4	6 1/2"±		SOLID
a5	8"±		SOLID
a0	8"±	NO PATTERN	SOG

RENOVATE PLANT SCIENCE BUILDING - PHASE 2

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Notes:

Keyplan

Job Number	31909.00
Drawing By	RMS
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Revisions

C	Addendum 4	11/12/2026

STRUCTURAL-FOURTH FLOOR/LOW ROOF PLAN - PHASE 2

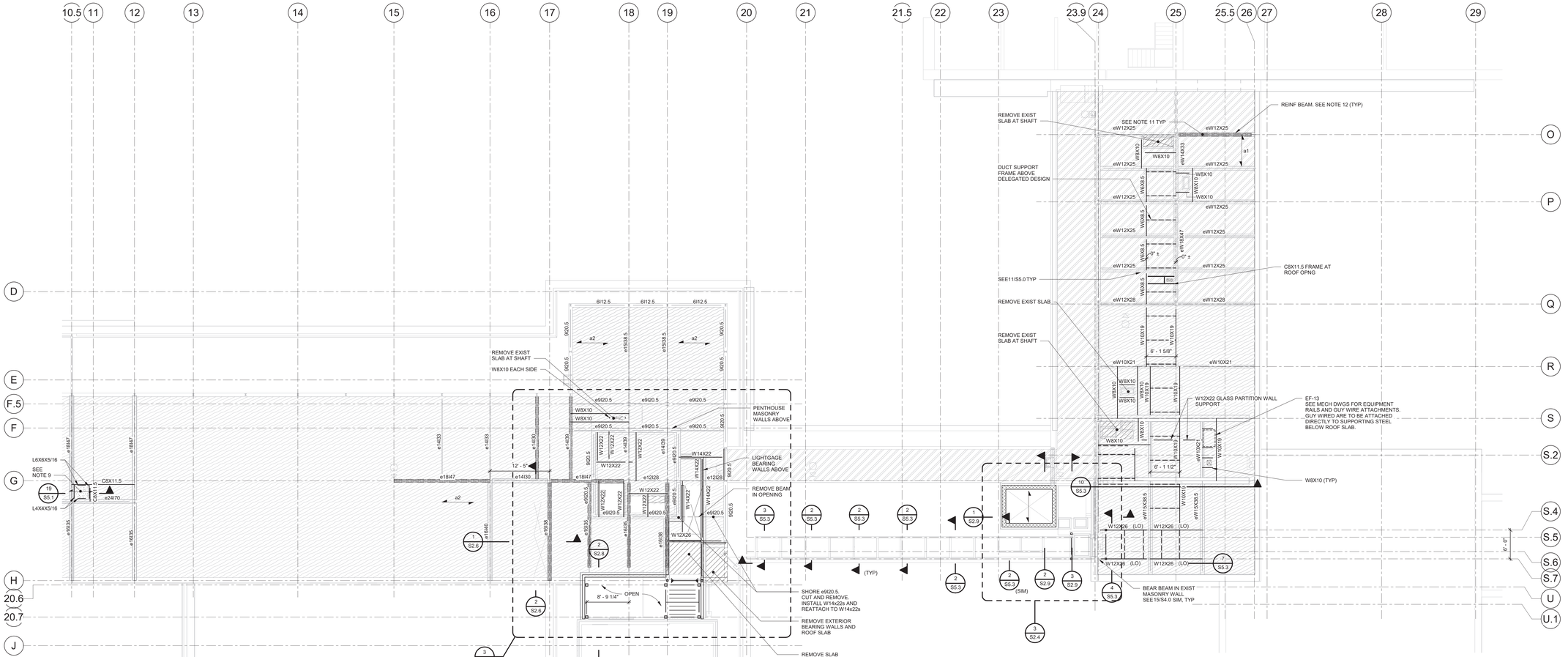
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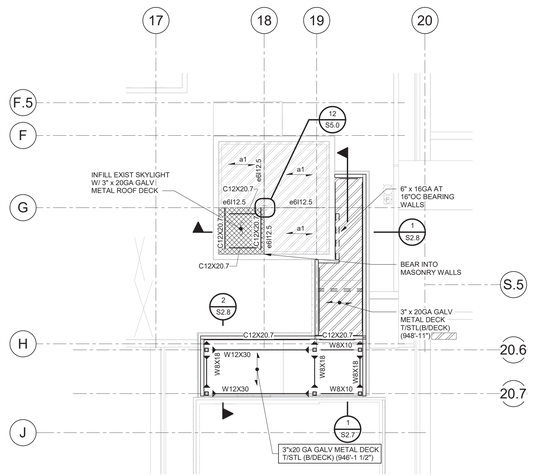
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EXPIRATION DATE: SEPTEMBER 30, 2027
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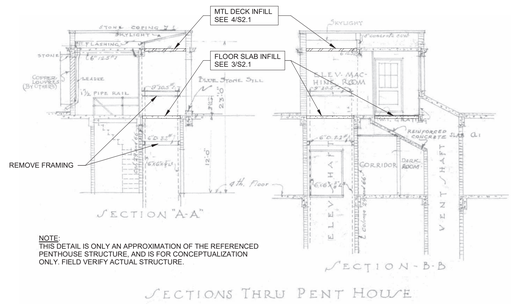
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2 S1.5 HIGH ROOF PARTIAL PLAN
1/8" = 1'-0"

NOTE:
1. SEE 4/S2.2 .



NOTE:
THIS DETAIL IS ONLY AN APPROXIMATION OF THE REFERENCED PENTHOUSE STRUCTURE, AND IS FOR CONCEPTUALIZATION ONLY. FIELD VERIFY ACTUAL STRUCTURE.

1 S1.5 PENTHOUSE SECTIONS
1/8" = 1'-0"

1 S1.5 HIGH ROOF PLAN - PHASE 2
1/8" = 1'-0"

NOTE:
T/CONC (938'-2"±), TYPICAL UNLESS NOTED OTHERWISE. T/TOPPING VARIES.

ROOF FRAMING PLAN NOTES:

1. T/EXISTING STEEL (-1 1/2") BELOW T/EXISTING CONCRETE SLAB, UNLESS NOTED OTHERWISE. FIELD VERIFY.
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a0	8"±	NO PATTERN	SOG

RENOVATE PLANT SCIENCE BUILDING - PHASE 2

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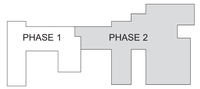
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Watson Engineering Plumbing	4500 State Route 434 Apalachin, NY 13732 T 607 223-4334
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Schuler Shook Lighting Design	240 W 40th Street, 2nd Floor New York, NY 10018 T 212 439-5650
D2D Green Design Sustainability PH2	10 Hallenbeck Hill East Greenbush, NY 12061 T 518 729-2967
Shen Milsom & Wilke Acoustics, IT, AV, Security	417 Fifth Avenue New York, NY 10016 T 212 725-6800
Watts Architects & Engineers Asbestos, Haz Mat	95 Perry Street, Suite 300 Buffalo, NY 14203 T 716 206-5122
Hastings Consulting Building Code	142 Hanlon Rd Holliston, MA 01746 T 508 397-8417
Ellana Cost Consulting	32 Broadway, Suite 801 New York, NY 10004 T 212971-0936

Notes:



Keyplan

Job Number	31909.00
Drawing By	RMS
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Filename	
Date	August 31, 2026

Revisions

C	Addendum 4	11/12/2026

STRUCTURAL-HIGH ROOF PLAN - PHASE 2

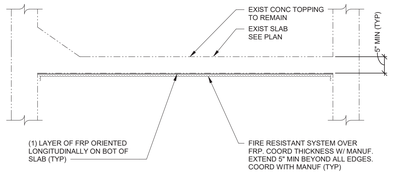
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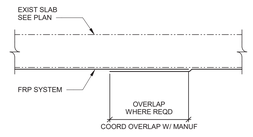
EXPIRATION DATE: SEPTEMBER 30, 2027
CERTIFICATE OF AUTHORIZATION #: 0020272

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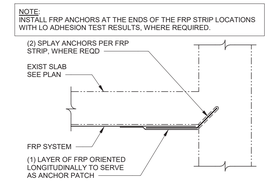
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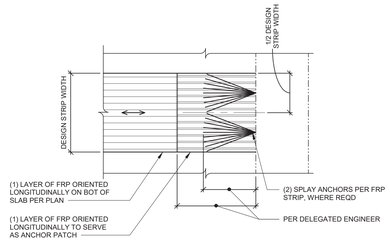
1 S3.2 TYPICAL SECTION
NOT TO SCALE



2 S3.2 TYPICAL LAP SPLICE DETAIL
NOT TO SCALE



3 S3.2 TYPICAL SPLAY ANCHOR SECTION
NOT TO SCALE



4 S3.2 TYPICAL SPLAY ANCHOR PLAN VIEW
NOT TO SCALE

CONCRETE SLAB FRP REINFORCEMENT SCHEDULE

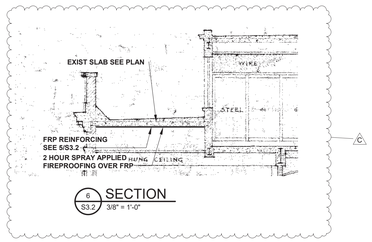
FRP BOTTOM BENDING FLEXURAL REINFORCEMENT SCHEDULE

EXISTING SLAB	EXISTING CAPACITY (K-FT)/FT	REQUIRED CAPACITY (K-FT)/FT WHERE SHADED	NOTES
a1	2.5	2.89	
a2	4.50	5.83	SEE NOTE 3
a3	4.32	6.20	SEE NOTE 3
a4	3.85	5.83	N/A

NOTES:
1. PER EXISTING DRAWINGS ORIGINAL fc = 2600 psi AND REINFORCING GRADE 33.
2. PROVIDE SPLAY ANCHORS.
3. IN ASSESSING EXISTING MOMENT CAPACITY OF SLAB, 1" WAS ADDED TO THE "d" DISTANCE BASED ON A CONSERVATIVE MINIMUM BONDED TOPPING THICKNESS IN AREA OF MAXIMUM MOMENT.



5 S3.2 FRP REINF SCHEDULE
3/8" = 1'-0"



6 S3.2 SECTION
3/8" = 1'-0"

RENOVATE PLANT SCIENCE BUILDING - PHASE 2

SUCF Project No. 161026-00

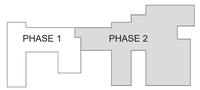
236 Tower Road
Ithaca, NY 14853

Cornell CALS College of Agriculture and Life Sciences

SUNY State University Construction Fund

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Notes:



Keyplan

Job Number 31909.00
Drawing By RMS
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Date August 31, 2026

Revisions

C	Addendum 4	11/12/2026

SCHEMATIC FRP DETAILS - PHASE 2

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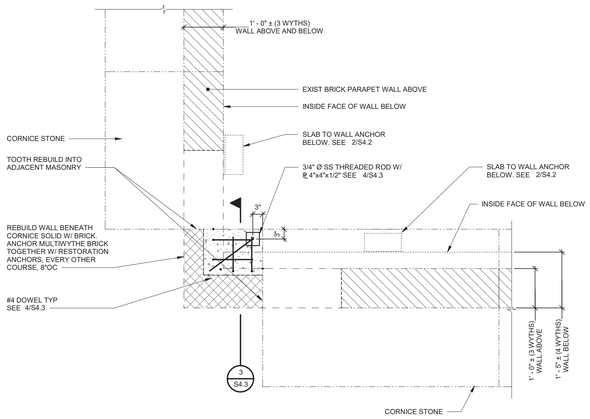
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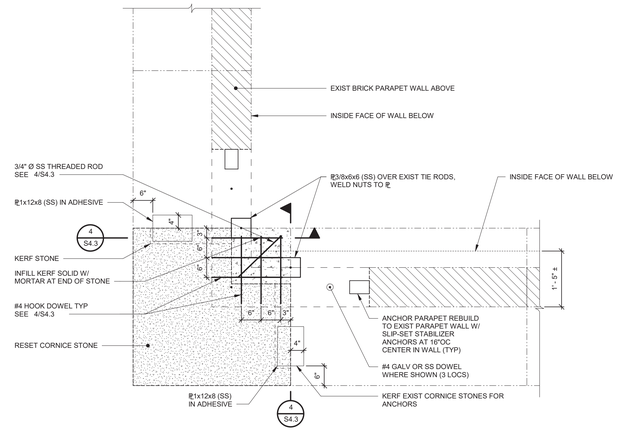
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CERTIFICATE OF AUTHORIZATION #: 0023272

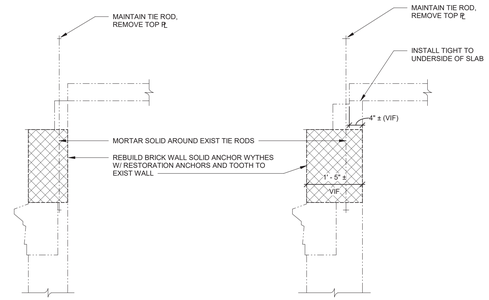
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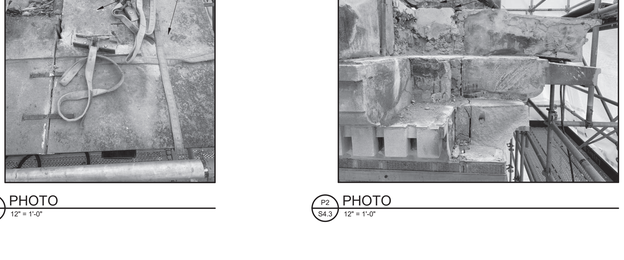
WALL BELOW CORNICE STONE

1 S4.3 STEP 3 - REBUILD - PLAN DETAIL
3/4" = 1'-0"

CORNICE STONE

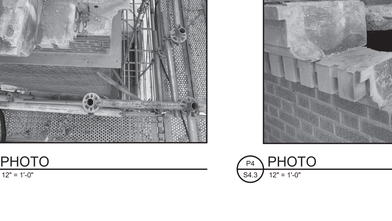
2 S4.3 STEP 3 - REBUILD - PLAN DETAIL
3/4" = 1'-0"

3 S4.3 STEP 3 - REBUILD - SECTION
3/4" = 1'-0"

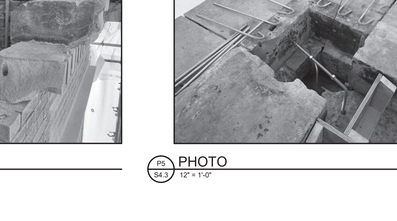


4 S4.3 STEP 3 - REBUILD - SECTION
3/4" = 1'-0"

NOTE:
SEE T/S4.3 AND 2/S4.3 FOR ADDITIONAL INFORMATION.



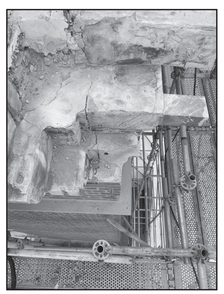
5 S4.3 SECTIONS AT PARAPET
3/4" = 1'-0"



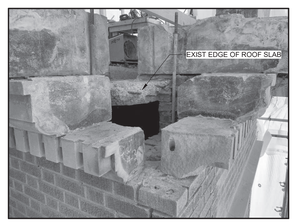
6 S4.3 SECTIONS AT PARAPET
3/4" = 1'-0"

P1 S4.3 PHOTO
12" = 1'-0"

P2 S4.3 PHOTO
12" = 1'-0"

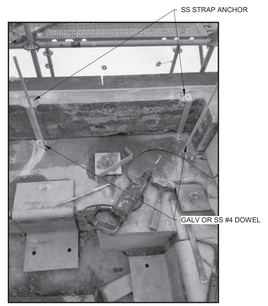


P3 S4.3 PHOTO
12" = 1'-0"



P4 S4.3 PHOTO
12" = 1'-0"

P5 S4.3 PHOTO
12" = 1'-0"



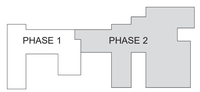
P6 S4.3 PHOTO
12" = 1'-0"

RENOVATE PLANT SCIENCE BUILDING - PHASE 2
SUCF Project No. 161026-00
236 Tower Road
Ithaca, NY 14853

Cornell CALS College of Agriculture and Life Sciences
SUNY State University Construction Fund

Ellenzweig Architecture | Planning	230 Congress Street Boston, MA 02110 T 617 491-5575
Ryan Biggs Clark Davis Structural Engineers	257 Ushers Road Clifton Park, NY 12065 T 518 406-5506
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Notes:



Keyplan

Job Number	31909.00
Drawing By	RMS
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Filename	
Date	August 31, 2026

Revisions

C	Addendum 4	11/12/2026

CORNICE REPAIR DETAILS - PHASE 2

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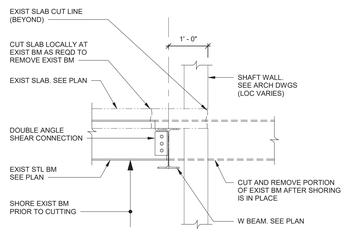
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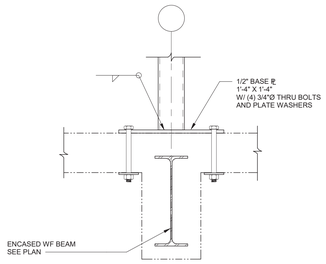
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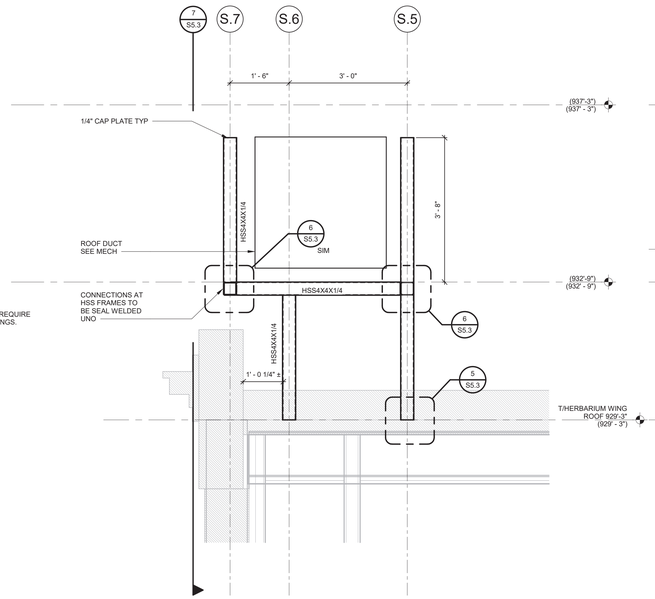
1 S5.3 SECTION
3/4" = 1'-0"

NOTES:
1. NEW CONNECTIONS TO EXISTING STRUCTURAL STEEL REQUIRE LEAD PAINT ABATEMENT, TYPICAL. SEE HAZMAT DRAWINGS.

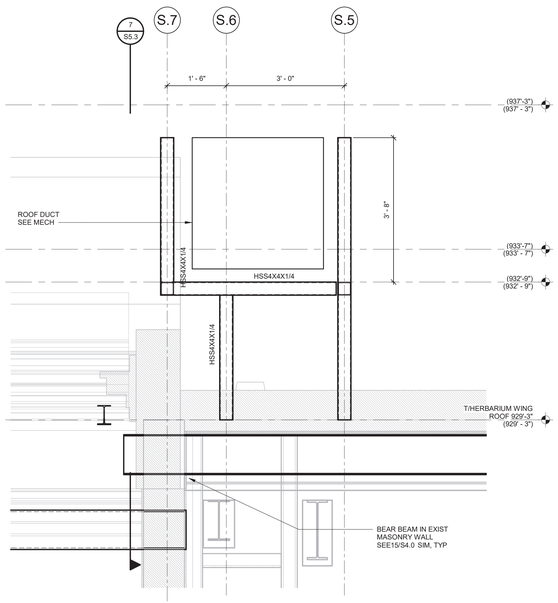


5 S5.3 ROOF FRAME BASE CONNECTION
1 1/2" = 1'-0"

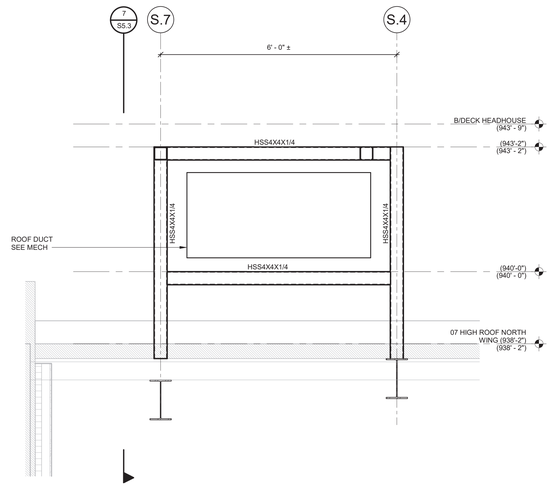
NOTES:
1. REMOVE ROOF TOPPING LOCALLY AT ANCHORAGE.
2. FIELD DRILL PLATES, DO NOT DAMAGE EXIST SLAB REINF.



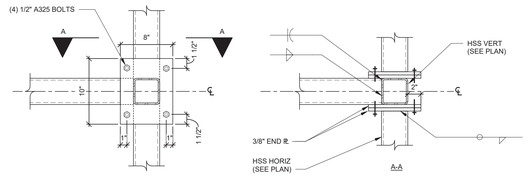
2 S5.3 TYPICAL ROOF FRAME SECTION
3/4" = 1'-0"



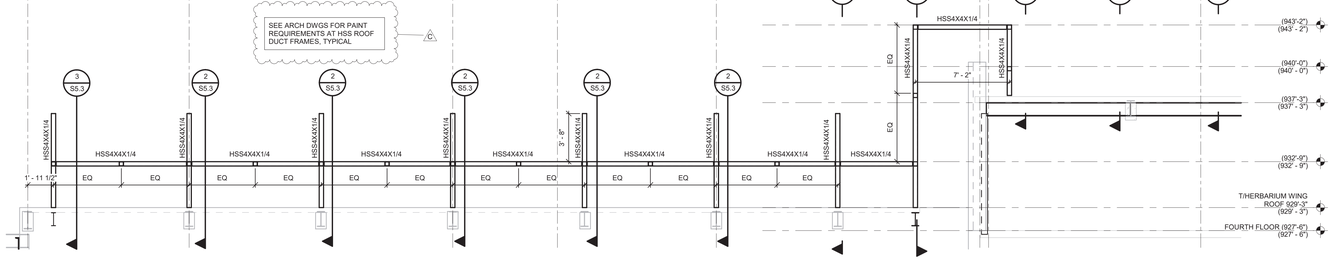
3 S5.3 ROOF FRAME SECTION
3/4" = 1'-0"



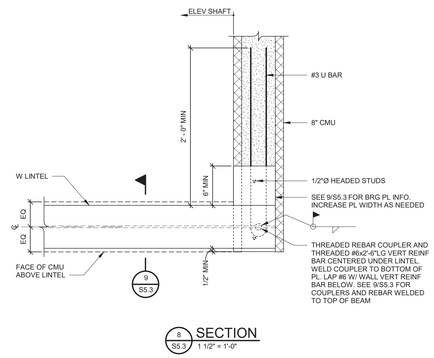
4 S5.3 HIGH ROOF FRAME SECTION
3/4" = 1'-0"



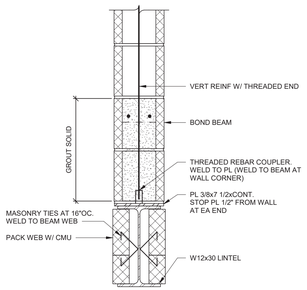
6 S5.3 SECTION
1 1/2" = 1'-0"



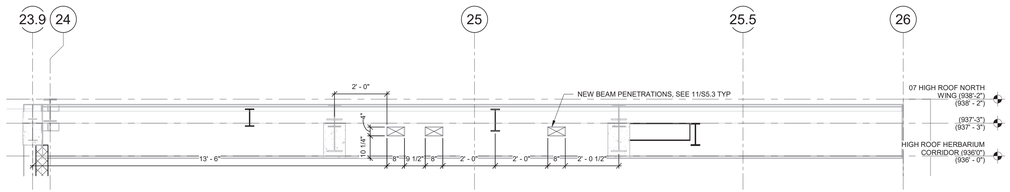
7 S5.3 ELEVATION
1/4" = 1'-0"



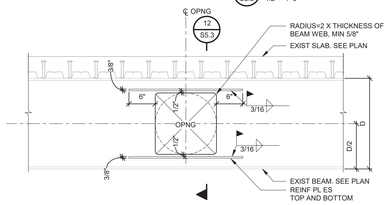
8 S5.3 SECTION
1 1/2" = 1'-0"



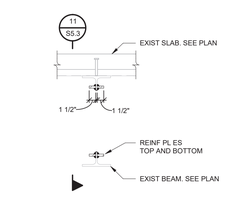
9 S5.3 SECTION
1 1/2" = 1'-0"



10 S5.3 BEAM PENETRATIONS OVER BIODIVERSITY GRID G
1/2" = 1'-0"



11 S5.3 BEAM OPENING ELEVATION
1" = 1'-0"



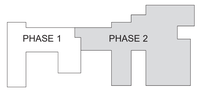
12 S5.3 BEAM OPENING SECTION
1" = 1'-0"

RENOVATE PLANT SCIENCE BUILDING - PHASE 2
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SUNY State University Construction Fund

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Notes:



Keyplan

Job Number	31909.00
Drawing By	RMS
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Filename	
Date	August 31, 2026

Revisions

C	Addendum 4	11/12/2026

SECTIONS - PHASE 2

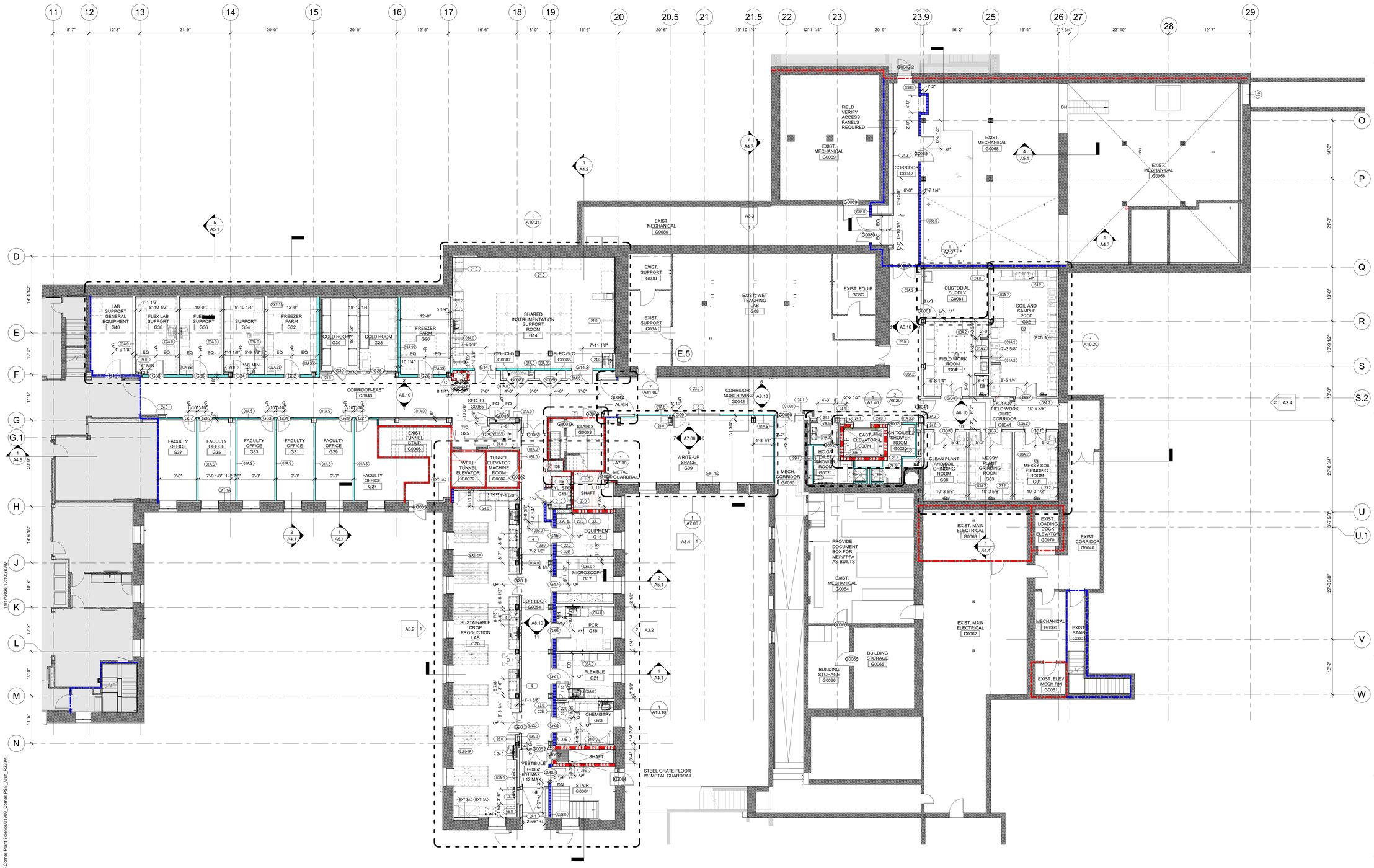
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S5.3

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1 GROUND FLOOR PLAN - PHASE 2
1/8" = 1'-0"

RENOVATE PLANT SCIENCE BUILDING - PHASE 2
SUCF Project No. 161026-00

236 Tower Road
Ithaca, NY 14853

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Notes:

GENERAL NOTE:
GC TO COORDINATE WORK OF ALL TRADES, INCLUDING CONCRETE PATCHING AND FIRESTOPPING AS REQUIRED TO MAINTAIN EXISTING AND NEW FIRE RATINGS OF SLABS, WALLS, STRUCTURAL STEEL, AND SHAFTS WHERE AFFECTED BY SCOPE OF WORK, AND AT NON-RATED PARTITIONS, TO SEPARATE SPACES ACOUSTICALLY.

PHASE 1 PHASE 2

Keyplan

Job Number 31909.00
Drawing By BF
Checked By Checker
Filename
Date August 31, 2026

Revisions

C	ADDENDUM 4	11/12/2026

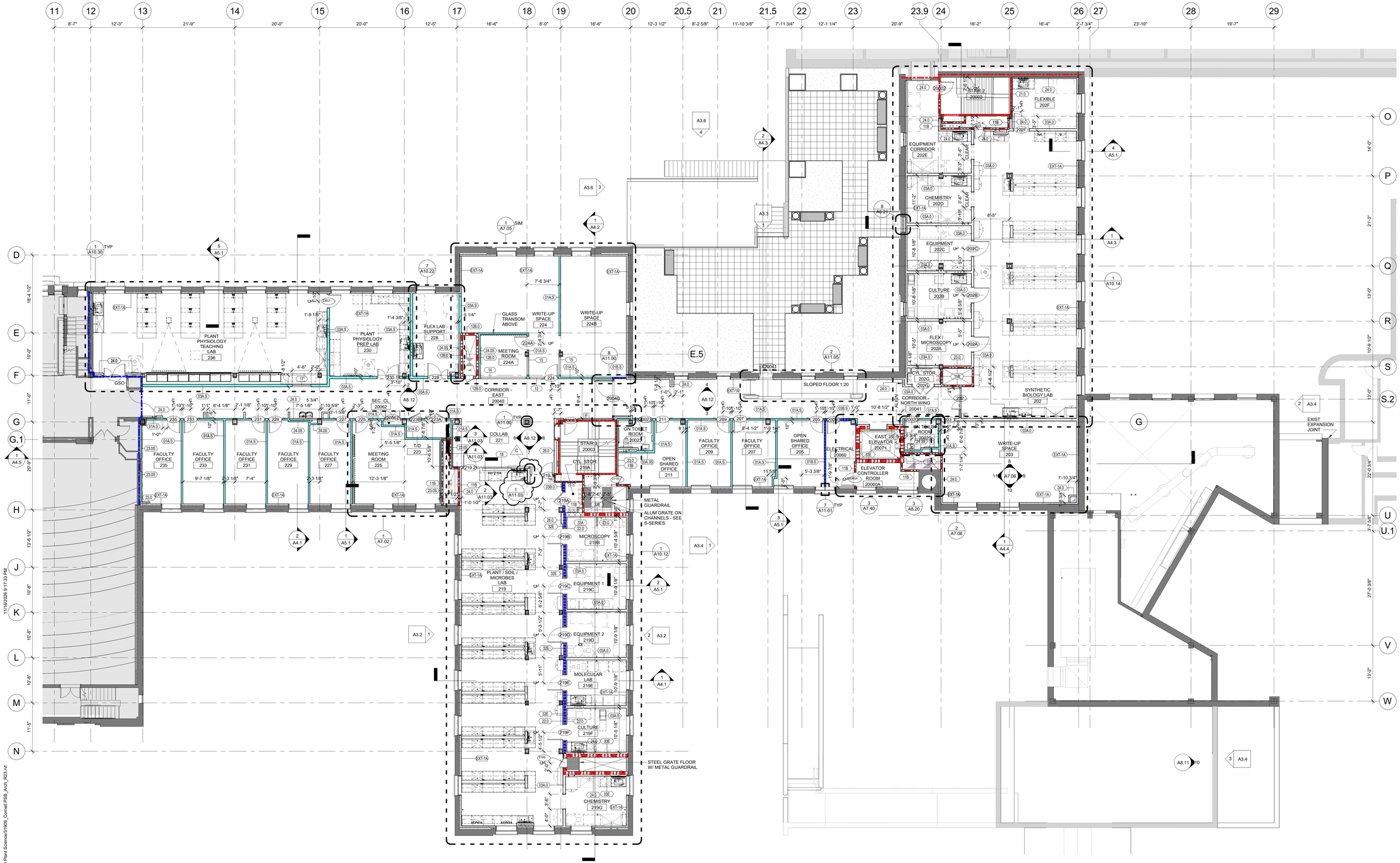
GROUND FLOOR PLAN - PHASE 2

BID DOCUMENTS
Scale: As indicated

REGISTERED ARCHITECT JAMES VINCENT ROMEO 022901-1 STATE OF NEW YORK

A1.0

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1 SECOND FLOOR PLAN - PHASE 2
1/8" = 1'-0"

RENOVATE PLANT SCIENCE BUILDING - PHASE 2

SUCF Project No. 161026-00

236 Tower Road
Ithaca, NY 14853

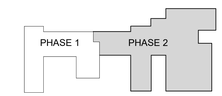
Cornell CALS College of Agriculture and Life Sciences

SUNY State University Construction Fund

Ellenzweig Architecture | Planning	230 Congress Street Boston, MA 02110 T 617 491-5575
Ryan Biggs Clark Davis Structural Engineers	257 Ushers Road Clifton Park, NY 12065 T 518 406-5506
Salas O'Brien Consulting & Engineering Group of NY, Inc. Mechanical Engineers	300 Trolley Blvd. Rochester, NY 14606 T 585 288-5590
Jade Stone Engineering Electrical Engineers	444 Vanduzee St. Watertown, NY 13601 T 315 836 4062
Watson Engineering Plumbing	4500 State Route 434 Apalachin, NY 13732 T 607 223-4334
DM Engineers Fire Protection Engineers	1007 Yonkers Ave Yonkers, NY 10704 T 929 333-2339
Bell & Spina Building Envelope	215 Wyoming Street S Syracuse, NY 13204 T 315 488-0377
Environ. Design & Research Historic Preservation, Landscape, Civil Engineering	217 Montgomery St, Suite 1000 Syracuse, NY 13202 T 315 471-0688
Schuler Shook Lighting Design	240 W 40th Street, 2nd Floor New York, NY 10018 T 212 439-5650
D2D Green Design Sustainability PH2	10 Hallenbeck Hill East Greenbush, NY 12061 T 518 729-2967
Shen Milsom & Wilke Acoustics, IT, AV, Security	417 Fifth Avenue New York, NY 10016 T 212 725-6800
Watts Architects & Engineers Asbestos, Haz Mat	95 Perry Street, Suite 300 Buffalo, NY 14203 T 716 206-5122
Hastings Consulting Building Code	142 Hanlon Rd Holliston, MA 01746 T 508 397-8417
Ellana Cost Consulting	32 Broadway, Suite 801 New York, NY 10004 T 212971-0936

Notes:

GENERAL NOTE:
GC TO COORDINATE WORK OF ALL TRADES, INCLUDING CONCRETE PATCHING AND FIRESTOPPING AS REQUIRED TO MAINTAIN EXISTING AND NEW FIRE RATINGS OF SLABS, WALLS, STRUCTURAL STEEL, AND SHAFTS WHERE AFFECTED BY SCOPE OF WORK, AND AT NON-RATED PARTITIONS, TO SEPARATE SPACES ACOUSTICALLY.



Keyplan

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Drawing By	BF
Checked By	Checker
Filename	
Date	August 31, 2026

Revisions

C	ADDENDUM 4	11/12/2026

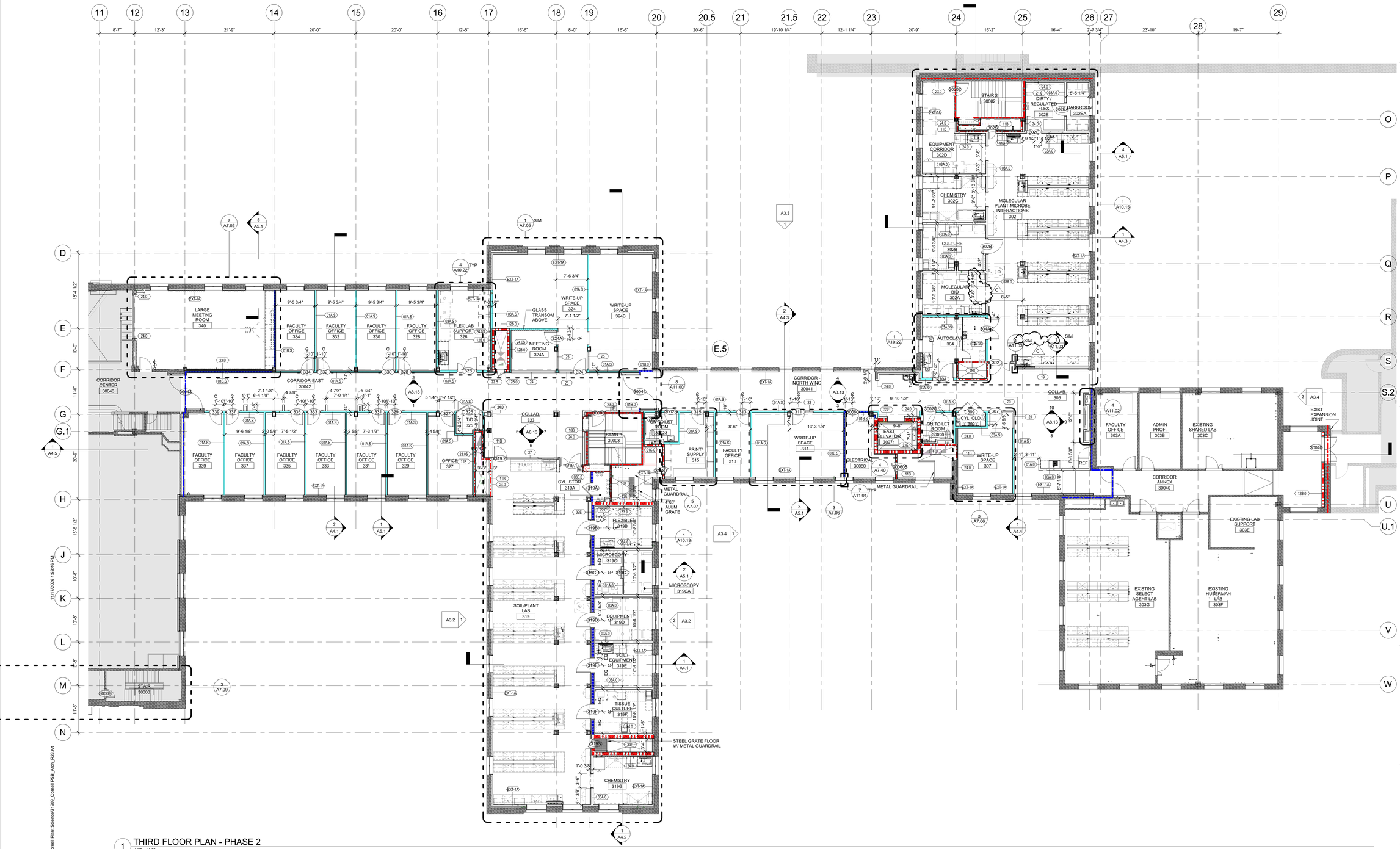
SECOND FLOOR PLAN - PHASE 2

REGISTERED ARCHITECT JAMES VINCENT RUSSO 022901-1 STATE OF NEW YORK

BID DOCUMENTS
Scale: As indicated

A1.2

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1 THIRD FLOOR PLAN - PHASE 2
1/8" = 1'-0"

RENOVATE PLANT SCIENCE BUILDING - PHASE 2

SUCF Project No. 161026-00

236 Tower Road
Ithaca, NY 14853

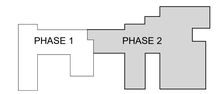
Cornell CALS College of Agriculture and Life Sciences

SUNY State University Construction Fund

Ellenzweig Architecture | Planning	230 Congress Street Boston, MA 02110 T 617 491-5575
Ryan Biggs Clark Davis Structural Engineers	257 Ushers Road Clifton Park, NY 12065 T 518 406-5506
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Ellana Cost Consulting	32 Broadway, Suite 801 New York, NY 10004 T 212971-0936

Notes:

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Keyplan

Job Number 31909.00
Drawing By BF
Checked By Checker
Filename
Date August 31, 2026

Revisions

C	ADDENDUM 4	11/12/2026

THIRD FLOOR PLAN - PHASE 2

BID DOCUMENTS
Scale: As indicated

REGISTERED ARCHITECT JAMES VINCENT RESNY 022991-1 STATE OF NEW YORK

A1.3

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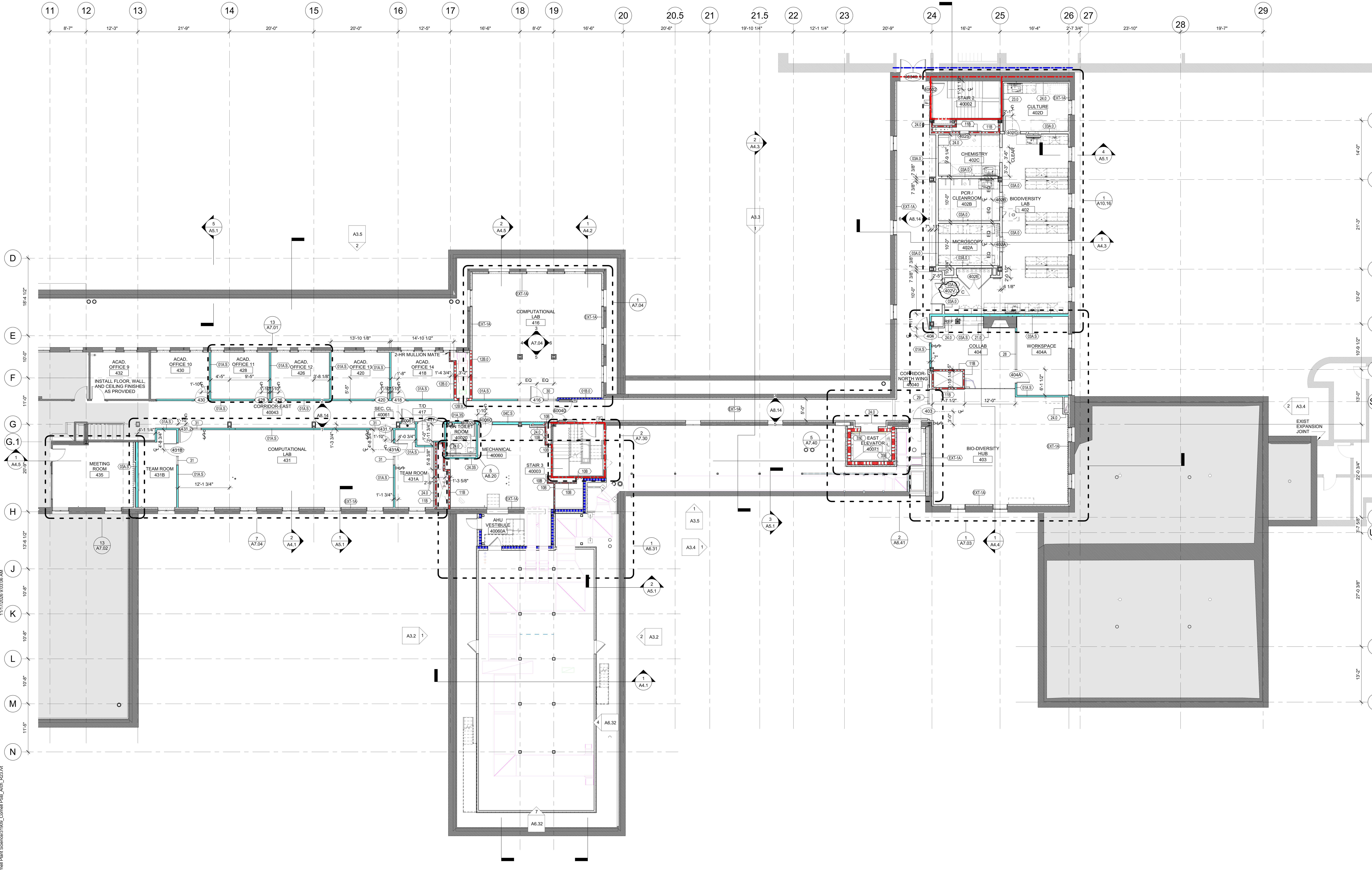
RENOVATE PLANT SCIENCE BUILDING - PHASE 2
SUCF Project No. 161026-00
236 Tower Road
Ithaca, NY 14853

Cornell CALS College of Agriculture and Life Sciences
SUNY State University Construction Fund

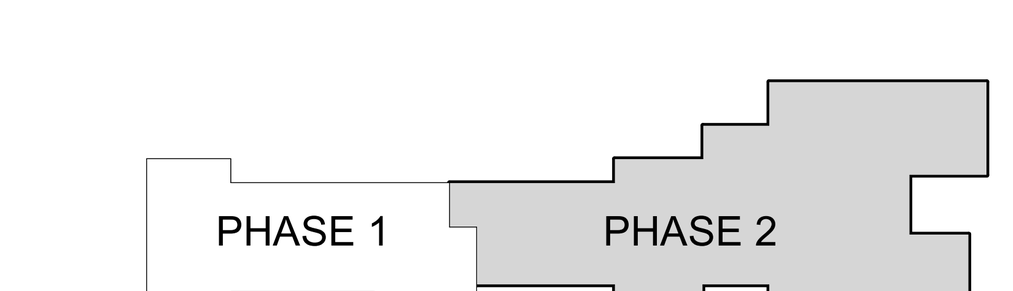
Ellenzweig Architecture | Planning — 230 Congress Street, Boston, MA 02110, T 617 491-5575
Ryan Biggs Clark Davis Structural Engineers — 257 Ushers Road, Clifton Park, NY 12065, T 518 406-5506
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Watson Engineering Plumbing — 4500 State Route 434, Apalachin, NY 13732, T 607 223-4334
DM Engineers Fire Protection Engineers — 1007 Yonkers Ave, Yonkers, NY 10704, T 929 333-2339
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Hastings Consulting Building Code — 142 Hanlon Rd, Holliston, MA 01746, T 508 397-8417
Ellana Cost Consulting — 32 Broadway, Suite 801, New York, NY 10004, T 212971-0936

Notes:

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1 FOURTH FLOOR PLAN - PHASE 2
1/8" = 1'-0"



Keyplan

Job Number 31909.00
Drawing By BF
Checked By Checker
Filename
Date August 31, 2026

Revisions

C	ADDENDUM 4	11/12/2026

FOURTH FLOOR PLAN - PHASE 2

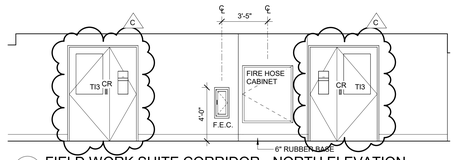
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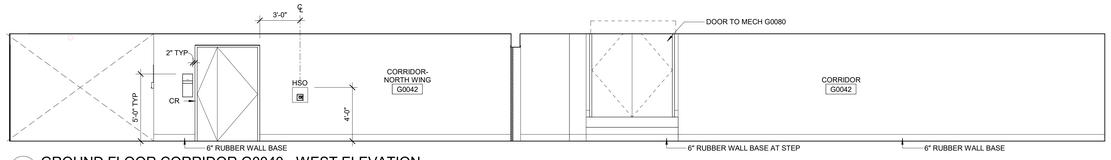
REGISTERED ARCHITECT JAMES VINCENT BLOUNT 022901-1 STATE OF NEW YORK

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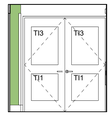
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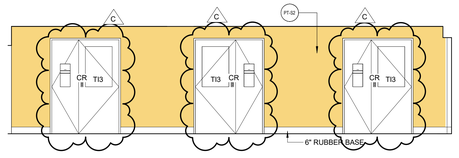
9 FIELD WORK SUITE CORRIDOR - NORTH ELEVATION
1/4" = 1'-0"



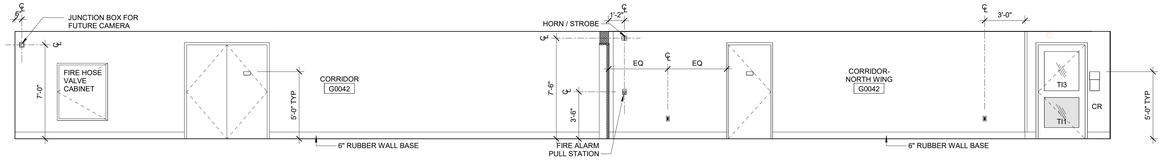
8 GROUND FLOOR CORRIDOR G0040 - WEST ELEVATION
1/4" = 1'-0"



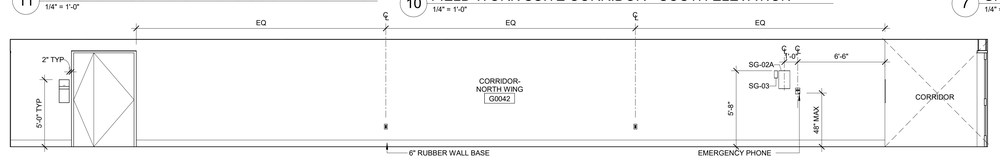
11 GROUND FLOOR EAST WING SOUTH ELEVATION
1/4" = 1'-0"



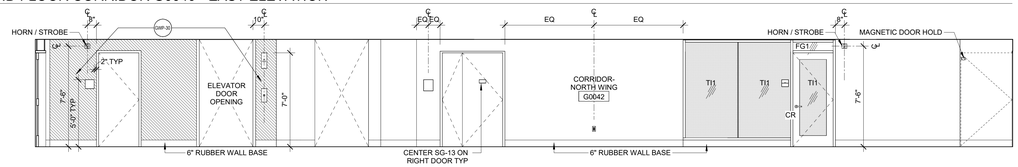
10 FIELD WORK SUITE CORRIDOR - SOUTH ELEVATION
1/4" = 1'-0"



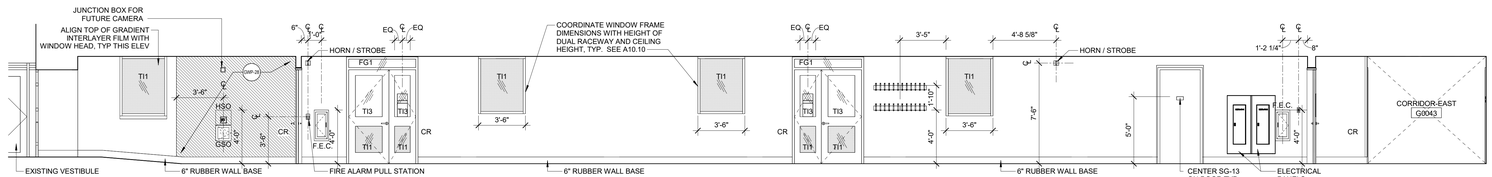
7 GROUND FLOOR CORRIDOR G0040 - EAST ELEVATION
1/4" = 1'-0"



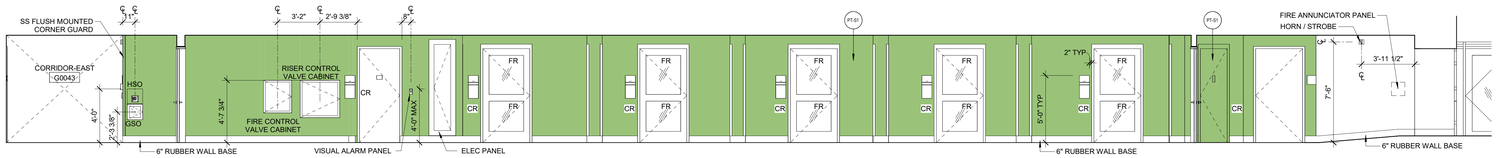
6 GROUND FLOOR CORRIDOR NORTH ELEVATION - NORTH WING
1/4" = 1'-0"



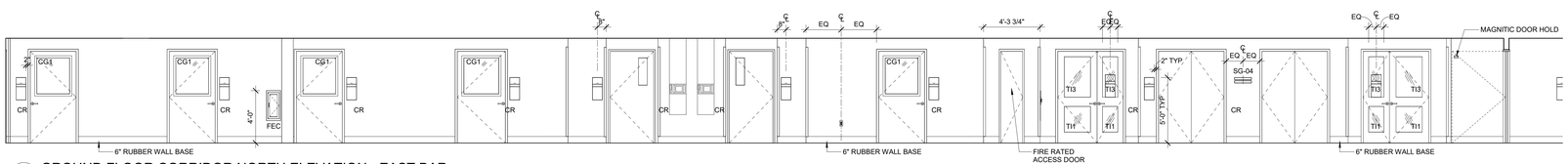
5 GROUND FLOOR CORRIDOR SOUTH ELEVATION - NORTH WING
1/4" = 1'-0"



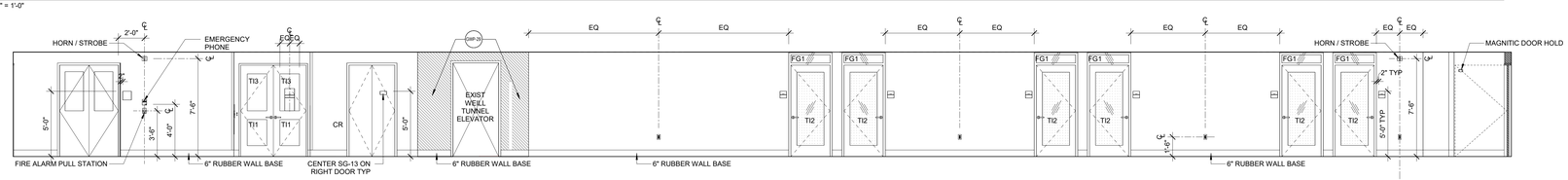
4 GROUND FLOOR EAST WING WEST ELEVATION
1/4" = 1'-0"



3 GROUND FLOOR EAST WING EAST ELEVATION
1/4" = 1'-0"



2 GROUND FLOOR CORRIDOR NORTH ELEVATION - EAST BAR
1/4" = 1'-0"



1 GROUND FLOOR CORRIDOR SOUTH ELEVATION - EAST BAR
1/4" = 1'-0"

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RENOVATE PLANT SCIENCE BUILDING - PHASE 2
SUCF Project No. 161026-00

236 Tower Road
Ithaca, NY 14853

Cornell CALS College of Agriculture and Life Sciences

SUNY State University Construction Fund

Ellenzweig Architecture | Planning	230 Congress Street Boston, MA 02110 T 617 491-5575
Ryan Biggs Clark Davis Structural Engineers	257 Ushers Road Clifton Park, NY 12065 T 518 406-5506
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Hastings Consulting Building Code	142 Hanlon Rd Holliston, MA 01746 T 508 397-8417
Ellana Cost Consulting	32 Broadway, Suite 801 New York, NY 10004 T 212971-0936

NOTES:
1. SEE A10.00 FOR KEY TO GLAZING TYPES

INTERIOR GLAZING TYPES

CLEAR — CG1: 1/4" CLEAR TEMPERED SAFETY GLASS (GROUND FL EAST-WEST CORRIDOR LABS)
CLEAR — FG1: 1/4" CLEAR FLOAT GLASS (TRANSOMS)
GRADIENT — TI1: 1/4" CLEAR LAMINATED GRADIENT INTERLAYER (LAB ENTRY)
GRADIENT — TI2: 3/8" CLEAR LAMINATED TRANSLUCENT INTERLAYER (OFFICE)
GRADIENT — TI3: 1/4" CLEAR LAMINATED - CLEAR INTERLAYER
FROSTED — FR: FIRE-RATED GLAZING (RATED DOOR)
M: 1/4" TEMPERED FRAMELESS MIRROR GLAZING (TOILET RMS)

WALL PAINT LEGEND

	PT-F1	ACCENT PAINT COLOR (EGGSHELL) - OLIVE GREEN
	PT-F4	ACCENT PAINT COLOR (EGGSHELL) - ORANGE
	PT-S1	ACCENT PAINT COLOR (EGGSHELL) LIGHT GREEN
	PT-S2	ACCENT PAINT COLOR (EGGSHELL) - YELLOW
	PT-S3	ACCENT PAINT COLOR (EGGSHELL) - ROSE
	PT-S4	ACCENT PAINT COLOR (EGGSHELL) - BLUE
	PT-S5	ACCENT PAINT COLOR (EGGSHELL) - AQUA
	PT-S6	ACCENT PAINT COLOR (EGGSHELL) - GRAY
	GWP-##	GRAPHIC WALLPAPER

Job Number	31909.00
Drawing By	BF
Checked By	Checker
Filename	
Date	August 31, 2026

Revisions

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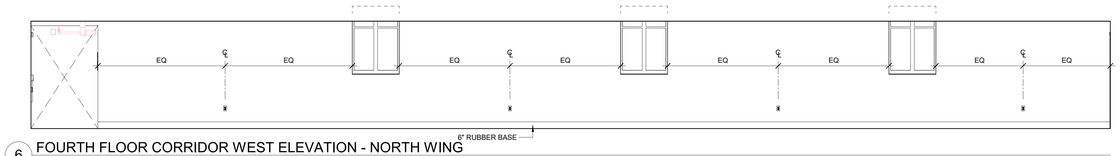
INTERIOR ELEVATIONS - GROUND FLOOR - PHASE 2

REGISTERED ARCHITECT JAMES VINCENT RUSSO 022901-1 STATE OF NEW YORK

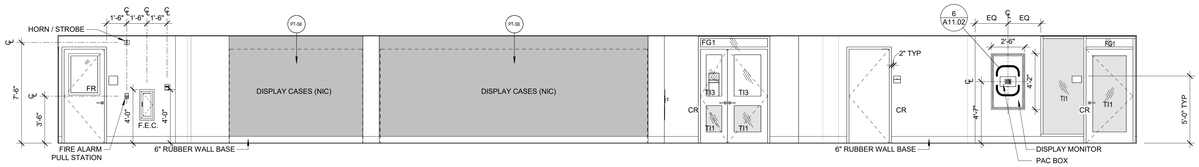
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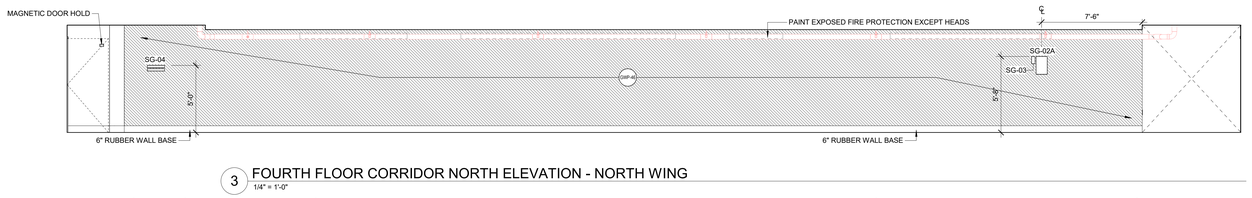
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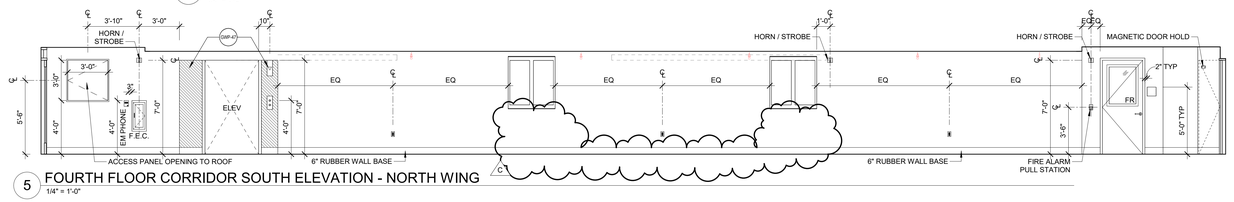
6 FOURTH FLOOR CORRIDOR WEST ELEVATION - NORTH WING
1/4" = 1'-0"



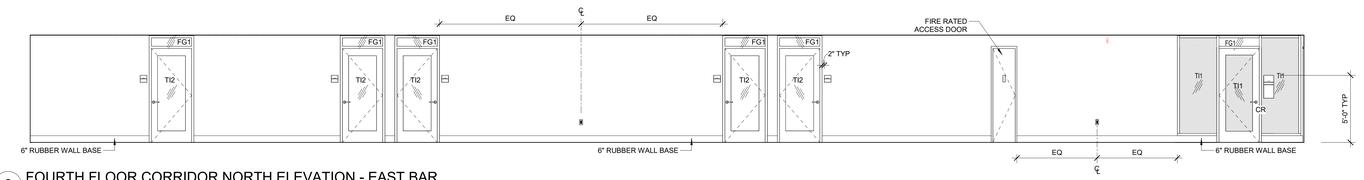
4 FOURTH FLOOR CORRIDOR EAST ELEVATION - NORTH WING
1/4" = 1'-0"



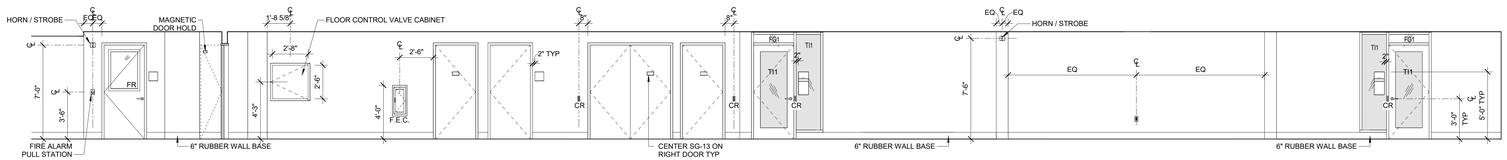
3 FOURTH FLOOR CORRIDOR NORTH ELEVATION - NORTH WING
1/4" = 1'-0"



5 FOURTH FLOOR CORRIDOR SOUTH ELEVATION - NORTH WING
1/4" = 1'-0"



2 FOURTH FLOOR CORRIDOR NORTH ELEVATION - EAST BAR
1/4" = 1'-0"



1 FOURTH FLOOR CORRIDOR SOUTH ELEVATION - EAST BAR
1/4" = 1'-0"

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RENOVATE PLANT SCIENCE BUILDING - PHASE 2
SUCF Project No. 161026-00

236 Tower Road
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Cornell CALS College of Agriculture and Life Sciences

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Ellana Cost Consulting	32 Broadway, Suite 801 New York, NY 10004 T 212971-0936

Notes:

INTERIOR GLAZING TYPES

CLEAR **CG1:** *1/4" CLEAR TEMPERED SAFETY GLASS (GROUND FL EAST-WEST CORRIDOR LABS)*

CLEAR **FG1:** 1/4" CLEAR FLOAT GLASS (TRANSOMS)

GRADIENT **TI1:** 1/4" CLEAR LAMINATED GRADIENT INTERLAYER (LAB ENTRY)

FROSTED **TI2:** 3/8" CLEAR LAMINATED TRANSLUCENT INTERLAYER (OFFICE)

TI3: 1/4" CLEAR LAMINATED - CLEAR INTERLAYER

FR: FIRE-RATED GLAZING (RATED DOOR)

M: 1/4" TEMPERED FRAMELESS MIRROR GLAZING (TOILET RMS)

WALL PAINT LEGEND

	PT-F1	ACCENT PAINT COLOR (EGGSHELL) - OLIVE GREEN
	PT-F4	ACCENT PAINT COLOR (EGGSHELL) - ORANGE
	PT-S1	ACCENT PAINT COLOR (EGGSHELL) LIGHT GREEN
	PT-S2	ACCENT PAINT COLOR (EGGSHELL) - YELLOW
	PT-S3	ACCENT PAINT COLOR (EGGSHELL) - ROSE
	PT-S4	ACCENT PAINT COLOR (EGGSHELL) - BLUE
	PT-S5	ACCENT PAINT COLOR (EGGSHELL) - AQUA
	PT-S6	ACCENT PAINT COLOR (EGGSHELL) - GRAY
	GWP-##	GRAPHIC WALLPAPER

Job Number	31909.00
Drawing By	BF
Checked By	Checker
Filename	
Date	August 31, 2026

Revisions

C	ADDENDUM 4	11/12/2026

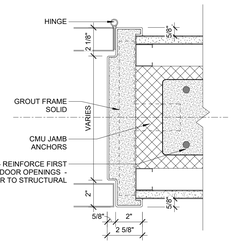
INTERIOR ELEVATIONS - FOURTH FLOOR -PHASE 2

REGISTERED ARCHITECT JOSEPH VINCENT ROSATI 022991 STATE OF NEW YORK

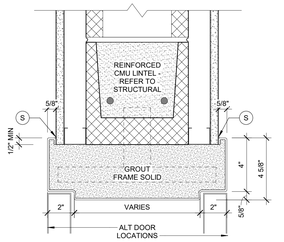
BID DOCUMENTS
Scale: As indicated

A8.14

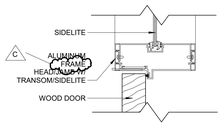
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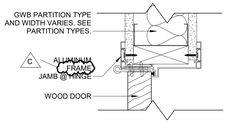
23 HM DOOR JAMB @ CMU PARTITIONS
3" = 1'-0"



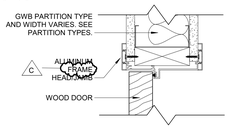
22 HM DOOR HEAD @ CMU PARTITIONS
3" = 1'-0"



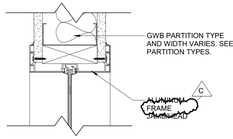
12 ALUM FRAME DOOR HEAD/JAMB W/ TRANSOM/SIDELITE .
3" = 1'-0"



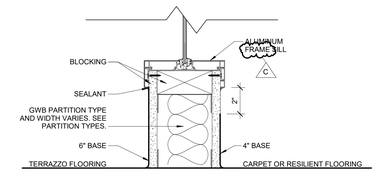
11 ALUM FRAME DOOR HINGE JAMB .
3" = 1'-0"



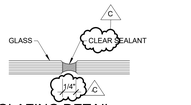
10 ALUM FRAME DOOR JAMB AND HEAD .
3" = 1'-0"



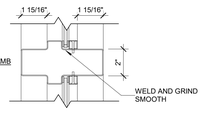
9 ALUMINUM FRAME JAMB AND HEAD .
3" = 1'-0"



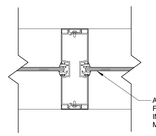
8 ALUMINUM FRAME SIILL DETAIL .
3" = 1'-0"



7 BUTT JOINT GLAZING DETAIL .
12" = 1'-0"



6 INTERMEDIATE MULLION .
3" = 1'-0"



24 ALUMINUM FRAME VERTICAL MULLION
3" = 1'-0"

21 NOT USED

20 NOT USED

19 NOT USED

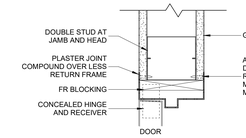
18 NOT USED

17 NOT USED

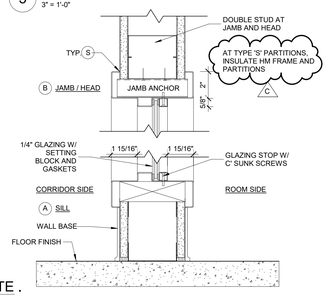
16 NOT USED

15 NOT USED

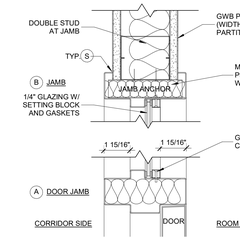
14 NOT USED



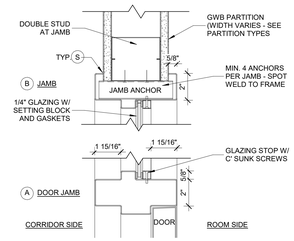
5 JAMB DETAIL AT LESS RETURN FRAME .
3" = 1'-0"



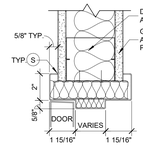
4 HEAD AND SILL DETAIL AT HM LITE .
3" = 1'-0"



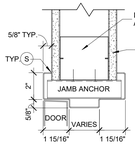
3A "S" PARTITION DOOR FRAME W/ SIDEDLITE .
3" = 1'-0"



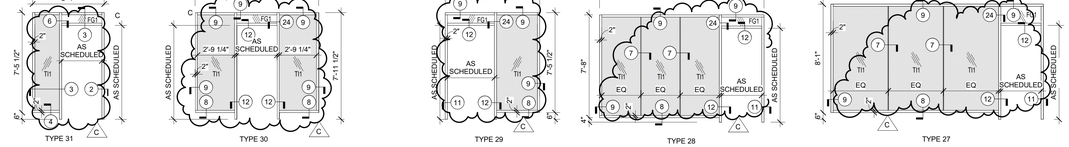
3 DOOR FRAME W/ SIDEDLITE/TRANSOM .
3" = 1'-0"

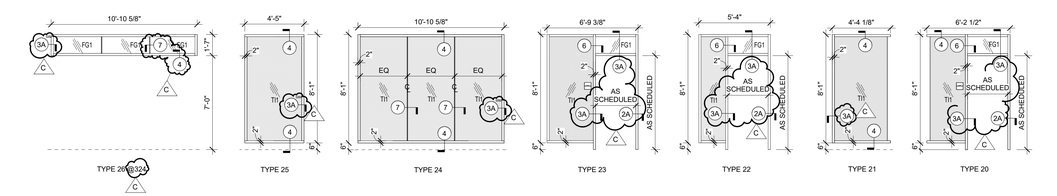


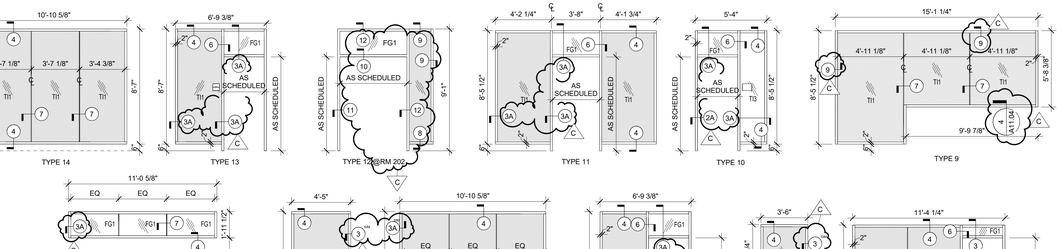
2A "S" PARTITION HM DOOR FRAME JAMB AND HEAD .
3" = 1'-0"

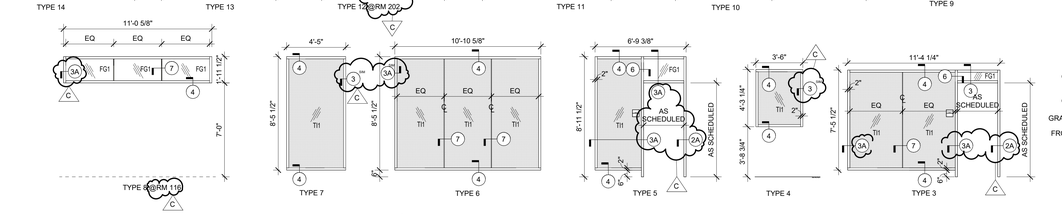


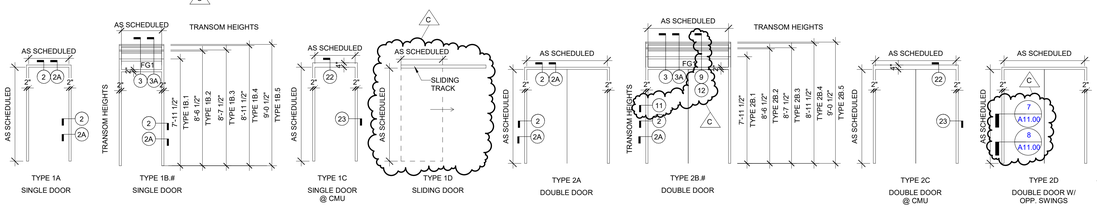
2 HM DOOR FRAME JAMB AND HEAD .
3" = 1'-0"



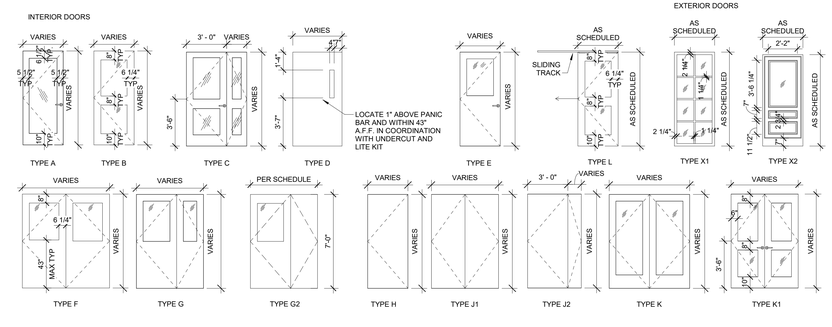








B FRAME TYPES - PHASE 2
1/4" = 1'-0"



DOOR TYPES - PHASE 2
1/4" = 1'-0"

RENOVATE PLANT SCIENCE BUILDING - PHASE 2

SUCF Project No. 161026-00

236 Tower Road
Ithaca, NY 14853

Cornell CALS College of Agriculture and Life Sciences

SUNY State University Construction Fund

Ellenzweig Architecture | Planning	230 Congress Street Boston, MA 02110 T 617 491-5575
Ryan Biggs Clark Davis Structural Engineers	257 Ushers Road Clifton Park, NY 12065 T 518 406-5506
Salas O'Brien Consulting & Engineering Group of NY, Inc. Mechanical Engineers	300 Trolley Blvd. Rochester, NY 14606 T 585 288-5590
Jade Stone Engineering Electrical Engineers	444 Vanduzee St. Watertown, NY 13601 T 315 836 4062
Watson Engineering Plumbing	4500 State Route 434 Apalachin, NY 13732 T 607 223-4334
DM Engineers Fire Protection Engineers	1007 Yonkers Ave Yonkers, NY 10704 T 929 333-2339
Bell & Spina Building Envelope	215 Wyoming Street S Syracuse, NY 13204 T 315 488-0377
Environ. Design & Research Historic Preservation, Landscape, Civil Engineering	217 Montgomery St, Suite 1000 Syracuse, NY 13202 T 315 471-0688
Schuler Shook Lighting Design	240 W 40th Street, 2nd Floor New York, NY 10018 T 212 439-5650
D2D Green Design Sustainability PH2	10 Hallenbeck Hill East Greenbush, NY 12061 T 518 729-2967
Shen Milsom & Wilke Acoustics, IT, AV, Security	417 Fifth Avenue New York, NY 10016 T 212 725-6800
Watts Architects & Engineers Asbestos, Haz Mat	95 Perry Street, Suite 300 Buffalo, NY 14203 T 716 206-5122
Hastings Consulting Building Code	142 Hanlon Rd Holliston, MA 01746 T 508 397-8417
Ellana Cost Consulting	32 Broadway, Suite 801 New York, NY 10004 T 212971-0936

Notes:

1. SEE A8 AND A10 SERIES FOR INTERIOR GLAZING TYPES.

INTERIOR GLAZING TYPES

CLEAR **CG1:** *1/4" CLEAR TEMPERED SAFETY GLASS (GROUND FL EAST-WEST CORRIDOR LABS)*

CLEAR **FG1:** 1/4" CLEAR FLOAT GLASS (TRANSOMS)

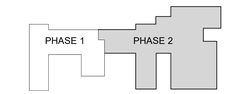
GRADIENT **TI1:** 1/4" CLEAR LAMINATED GRADIENT INTERLAYER (LAB ENTRY)

FROSTED **TI2:** 3/8" CLEAR LAMINATED TRANSLUCENT INTERLAYER (OFFICE)

TI3: 1/4" CLEAR LAMINATED - CLEAR INTERLAYER

FR: FIRE-RATED GLAZING (RATED DOOR)

M: 1/4" TEMPERED FRAMELESS MIRROR GLAZING (TOILET RMS)



Keyplan

Job Number 31909.00
Drawing By BF
Checked By AT
Filename
Date August 31, 2026

Revisions

C	ADDENDUM 4	11/12/2026

DOOR & FRAME ELEVATIONS AND DETAILS - PHASE 2

BID DOCUMENTS
Scale: As indicated

REGISTERED ARCHITECT VINCENT RUSSO 022901-1 STATE OF NEW YORK

A9.10

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11/17/2026 9:37:49 AM

Autodesk Docs://31909 SUCF Cornell Plant Science/31909_Cornell PSB_Arch_R23.rvt

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DOOR SCHEDULE - Phase 2

wtwt					DOOR			FRAME						
DOOR No.	ROOM No.	ROOM NAME	DOOR TYPE	MATERIAL	HEIGHT	WIDTH	THK	TYPE	MATERIAL	FIRE RATING	CARD READER	POWER OPER.	HDWR SET	REMARKS
TUNNEL														
B01	B01	GREENHOUSE SERVICE	H	PTD HM	7' - 0"	2' - 0"	0' - 1 3/4"	1C	PTD HM	90 MIN			38	
GROUND FLOOR														
G01	G01	MESSY SOIL GRINDING ROOM	G2	PTD HM	7' - 0"	5' - 0"	0' - 1 3/4"	2A.	PTD HM		Yes	Yes	16	
G02	G02	SOIL AND SAMPLE PREP	G2	PTD HM	7' - 0"	5' - 0"	0' - 1 3/4"	2A	PTD HM		Yes		16	
G03	G03	MESSY PLANT GRINDING ROOM	G2	PTD HM	7' - 0"	5' - 0"	0' - 1 3/4"	2A.	PTD HM		Yes		16	
G0003	G0003	STAIR 3	ETR	PT ETR	7' - 0"	4' - 6"	0' - 2"	ETR	PT ETR HM	90 MIN			20	PAINT EXISTING HM DOOR AND FRAME
G0003A	G0003	STAIR 3	ETR	PT ETR	6' - 8"	2' - 0"	0' - 1 3/4"	ETR	PT ETR HM	90 MIN			27	PAINT EXISTING HM DOOR AND FRAME
G04	G04	FIELD WORK ROOM	G2	PTD HM	7' - 0"	5' - 0"	0' - 1 3/4"	2A	PTD HM		Yes		16	
G0004	G0004	STAIR	H	PTD HM	7' - 0"	3' - 6"	0' - 1 3/4"	1A	PTD HM	45 MIN			17	
G05	G05	CLEAN PLANT AND SOIL GRINDING ROOM	G2	PTD HM	7' - 0"	5' - 0"	0' - 1 3/4"	2A.	PTD HM		Yes		16	
G09	G09	WRITE-UP SPACE	A	CLR WD	7' - 0"	3' - 0"	0' - 1 3/4"	3	PTD HM		Yes		23	
G09S	SHAFT	SHAFT	H	PTD HM	7' - 0"	1' - 8"	0' - 1 3/4"	1A	PTD HM	90 MIN			38	
G14.1	G14	SHARED INSTRUMENTATION SUPPORT ROOM	G2	PTD HM	7' - 0"	5' - 0"	0' - 1 3/4"	2A	PTD HM		Yes		11	
G14.2	G14	SHARED INSTRUMENTATION SUPPORT ROOM	G2	PTD HM	7' - 0"	5' - 0"	0' - 1 3/4"	2A	PTD HM		Yes		11	
G15	G15	EQUIPMENT	B	CLR WD	7' - 0"	3' - 6"	0' - 1 3/4"	1C	PTD HM	45 MIN	Yes		26	
G17	G17	MICROSCOPY	B	CLR WD	7' - 0"	3' - 6"	0' - 1 3/4"	1C	PTD HM	45 MIN	Yes		26	
G19	G19	PCR	B	CLR WD	7' - 0"	3' - 6"	0' - 1 3/4"	1C	PTD HM	45 MIN	Yes		26	
G0020	G0020	GN TOILET / SHOWER ROOM	H	PTD WD	7' - 0"	3' - 0"	0' - 1 3/4"	1A	PTD HM				01	
G20.1	G20	SUSTAINABLE CROP PRODUCTION LAB	C	CLR WD	7' - 0"	5' - 0"	0' - 1 3/4"	2B.1	PTD HM		Yes		41	
G20.2	G20	SUSTAINABLE CROP PRODUCTION LAB	C	CLR WD	7' - 0"	5' - 0"	0' - 1 3/4"	2B.1	PTD HM		Yes		41	
G21	G21	FLEXIBLE	B	CLR WD	7' - 0"	3' - 6"	0' - 1 3/4"	1C	PTD HM	45 MIN	Yes		26	
G0021	G0021	HC GN TOILET / SHOWER ROOM	H	PTD WD	7' - 0"	3' - 0"	0' - 1 3/4"	1A	PTD HM				42	
G23	G23	CHEMISTRY	B	CLR WD	7' - 0"	3' - 6"	0' - 1 3/4"	1C	PTD HM	45 MIN	Yes		26	
G25	G25	T/D	J2	PTD HM	7' - 0"	4' - 6"	0' - 1 3/4"	2A	PTD HM		Yes		32	
G26	G26	FREEZER FARM	E	PTD HM	7' - 0"	3' - 6"	0' - 1 3/4"	1A	PTD HM		Yes		26	
G27	G27	FACULTY OFFICE	A	CLR WD	7' - 0"	3' - 0"	0' - 1 3/4"	1B.1	PTD HM				08	STC-36: laminated glazing 3/16"+.3 PVB+3/16"
G28	G28	COLD ROOM	BY MFR	BY MFR	7' - 0"	3' - 4"	0' - 1 3/4"	BY MFR	BY MFR		Yes		N/A	
G29	G29	FACULTY OFFICE	A	CLR WD	7' - 0"	3' - 0"	0' - 1 3/4"	1B.1	PTD HM				08	STC-36: laminated glazing 3/16"+.3 PVB+3/16"
G30	G30	COLD ROOM	BY MFR	BY MFR	7' - 0"	3' - 4"	0' - 1 3/4"	BY MFR	BY MFR		Yes		N/A	
G31	G31	FACULTY OFFICE	A	CLR WD	7' - 0"	3' - 0"	0' - 1 3/4"	1B.1	PTD HM				08	STC-36: laminated glazing 3/16"+.3 PVB+3/16"
G32	G32	FREEZER FARM	E	PTD HM	7' - 0"	3' - 8"	0' - 1 3/4"	1A	PTD HM		Yes		26	
G33	G33	FACULTY OFFICE	A	CLR WD	7' - 0"	3' - 0"	0' - 1 3/4"	1B.1	PTD HM				08	STC-36: laminated glazing 3/16"+.3 PVB+3/16"
G34	G34	SUPPORT	E	CLR WD	7' - 0"	3' - 6"	0' - 1 3/4"	1A	PTD HM		Yes		26	
G35	G35	FACULTY OFFICE	A	CLR WD	7' - 0"	3' - 0"	0' - 1 3/4"	1B.1	PTD HM				08	STC-36: laminated glazing 3/16"+.3 PVB+3/16"
G36	G36	FLEX LAB SUPPORT	E	CLR WD	7' - 0"	3' - 6"	0' - 1 3/4"	1A	PTD HM		Yes		26	
G37	G37	FACULTY OFFICE	A	CLR WD	7' - 0"	3' - 0"	0' - 1 3/4"	1B.1	PTD HM				08	STC-36: laminated glazing 3/16"+.3 PVB+3/16"
G38	G38	FLEX LAB SUPPORT	E	CLR WD	7' - 0"	3' - 6"	0' - 1 3/4"	1A	PTD HM		Yes		26	
G40	G40	LAB SUPPORT GENERAL EQUIPMENT	H	CLR WD	7' - 0"	3' - 6"	0' - 1 3/4"	ETR	PTD HM	45 MIN	Yes		13	
G0041	G0042	CORRIDOR- NORTH WING	E	CLR WD	7' - 0"	3' - 6"	0' - 1 3/4"	1A	PTD HM				29	
G0042	G0042	CORRIDOR- NORTH WING	J1	PTD HM	7' - 0"	8' - 0"	0' - 1 3/4"	2D	PTD HM	60 MIN			BY MFR	MAGNETIC HOLD-OPENS - COORDINATE WITH FA-SERIES *
G0042.2	G0042	CORRIDOR	H	PTD HM	7' - 0"	3' - 4"	0' - 1 3/4"	1A	PTD HM	180 MIN			10	MAGNETIC HOLD-OPENS - COORDINATE WITH FA * HW10 BY 081713 MFR
G0042A.5	G13	CYL. STOR	H	PTD HM	7' - 0"	3' - 0"	0' - 1 3/4"	1A	PTD HM	45 MIN	Yes		39	
G0043S	G0043	CORRIDOR-EAST	H	PTD HM	7' - 0"	1' - 8"	0' - 1 3/4"	1A	PTD HM	90 MIN			38	
G0050	G0042	CORRIDOR- NORTH WING	J2	PTD HM	7' - 0"	4' - 6"	0' - 1 3/4"	2A	PTD HM				40	
G0051	G0051	CORRIDOR	C	CLR WD	7' - 0"	5' - 0"	0' - 1 3/4"	2A	PTD HM		Yes		30	
G0052	G0052	VESTIBULE	C	CLR WD	7' - 0"	6' - 0"	0' - 1 3/4"	2A	PTD HM		Yes		30	
G0052S	SHAFT	SHAFT	H	PTD HM	7' - 0"	2' - 0"	0' - 1 3/4"	1C	PTD HM	90 MIN	Yes		38	
G0065	G0065	BUILDING STORAGE	ETR	PT ETR	7' - 0"	3' - 4"	0' - 1 3/4"	ETR	PT ETR HM				27	PAINT EXISTING HM DOOR AND FRAME
G0066	G0066	BUILDING STORAGE	ETR	PT ETR	7' - 0"	3' - 4"	0' - 1 3/4"	ETR	PT ETR HM				27	PAINT EXISTING HM DOOR AND FRAME
G0068	G0068	EXIST. MECHANICAL	J1	PTD HM	7' - 0"	6' - 0"	0' - 1 3/4"	2A	PTD HM	45 MIN			37	
G0069	G0080	EXIST. MECHANICAL	H	PTD HM	7' - 0"	3' - 6"	0' - 1 3/4"	1A	PTD HM	45 MIN			36	
G0080	G0080	EXIST. MECHANICAL	J1	PTD HM	7' - 0"	6' - 0"	0' - 1 3/4"	2A	PTD HM	45 MIN			37	
G0081	G0042	CORRIDOR- NORTH WING	H	PTD HM	7' - 0"	3' - 2"	0' - 1 3/4"	1A	PTD HM				19	
G0082	G0082	TUNNEL ELEVATOR MACHINE ROOM	ETR	PT ETR	7' - 0"	3' - 0"	0' - 1 3/4"	ETR	PT ETR HM	90 MIN			19	
G0085	G0043	CORRIDOR-EAST	J1	PTD HM	7' - 0"	3' - 6"	0' - 1 3/4"	2A	PTD HM				18	
G0086	G0086	ELEC CLO	J1	PTD HM	7' - 0"	5' - 0"	0' - 1 3/4"	2A	PTD HM				18	
G0087	G0087	CYL. CLO	J1	PTD HM	7' - 0"	5' - 0"	0' - 1 3/4"	2A	PTD HM		Yes		32	
XG004	G0004	STAIR	ETR	PT ETR	7' - 8"	3' - 0"	0' - 1 3/4"	ETR	PT ETR HM				27	PAINT EXIST HM DOOR AND FRAME. REPLACE TRANSOM W/ CS A2097 LOUVER OR EQ
XG005	G0005	EXIST TUNNEL STAIR	ETR	PT ETR	7' - 0"	3' - 0"	0' - 1 3/4"	ETR	PT ETR HM				27	PAINT EXISTING HM DOOR AND FRAME
FIRST FLOOR														
100UB	10062	MECH.	H	PTD HM	7' - 0"	3' - 0"	0' - 1 3/4"	1A	PTD HM	45 MIN			19	
101	101	LOADING DOCK	J1	PTD HM	7' - 0"	6' - 0"	0' - 1 3/4"	2A	PTD HM	45 MIN			43	
103	103	BUILDING CARE BREAK ROOM	H	PTD HM	7' - 0"	3' - 0"	0' - 1 3/4"	1A	PTD HM				07	
104	104	DRY TEACHING LAB	C	CLR WD	7' - 0"	3' - 6"+1'-0"	0' - 1 3/4"	2B.4	PTD HM		Yes		41	
105	105	ADMIN. CLERICAL 4/5	A	CLR WD	7' - 0"	3' - 0"	0' - 1 3/4"	1B.4	PTD HM				08	STC-36: laminated glazing 3/16"+.3 PVB+3/16"
107	107	ADMIN. PROF. 6	A	CLR WD	7' - 0"	3' - 0"	0' - 1 3/4"	1B.4	PTD HM				08	STC-36: laminated glazing 3/16"+.3 PVB+3/16"
109	109	ADMIN PROF. 1	A	CLR WD	7' - 0"	3' - 0"	0' - 1 3/4"	1B.4	PTD HM				08	STC-36: laminated glazing 3/16"+.3 PVB+3/16"
111	111	MAIL/ PRINT/ SUPPLY	A	CLR WD	7' - 0"	3' - 0"	0' - 1 3/4"	1B.4	PTD HM				08	STC-36: laminated glazing 3/16"+.3 PVB+3/16"
111S	SHAFT	SHAFT	H	PTD HM	7' - 0"	1' - 8"	0' - 1 3/4"	1A	PTD HM	90 MIN			38	
113	113	FRUIT PRODUCTION LAB	C	CLR WD	7' - 0"	3' - 0"+2'-0"	0' - 1 3/4"	2B.3	AL		Yes		44	
113A	113A	CYL. STOR.	H	PTD HM	7' - 0"	3' - 0"	0' - 1 3/4"	1A	PTD HM	45 MIN			05	
113B	113B	MICROSCOPY	B	CLR WD	7' - 0"	3' - 6"	0' - 1 3/4"	1C	PTD HM	45 MIN			31	
113C	113C	TISSUE CULTURE	B	CLR WD	7' - 0"	3' - 6"	0' - 1 3/4"	1C	PTD HM	45 MIN			31	
113D	113D	EQUIPMENT	B	CLR WD	7' - 0"	3' - 6"	0' - 1 3/4"	1C	PTD HM	45 MIN			31	
113E	113	FRUIT PRODUCTION LAB	B	CLR WD	7' - 0"	3' - 6"	0' - 1 3/4"	1C	PTD HM	45 MIN			31	
113S	SHAFT	SHAFT	H	PTD HM	7' - 0"	2' - 0"	0' - 1 3/4"	1C	PTD HM	90 MIN			38	
116	116	WRITE-UP SPACE A	A	CLR WD	7' - 0"	3' - 0"	0' - 1 3/4"	5	PTD HM		Yes		45	
116A	116A	MEETING ROOM	A	PTD HM	7' - 0"	3' - 0"	0' - 1 3/4"	1B.4	PTD HM				09	
118	118	FLEX LAB SUPPORT	G	CLR WD	7' - 0"	4' - 6"	0' - 1 3/4"	2B.4	PTD HM		Yes		41	
120	120	EVENT SUPPORT	H	PTD HM	7' - 0"	3' - 0"	0' - 1 3/4"	1A	PTD HM				05	
121	121	T/D	J1	PTD HM	7' - 0"	6' - 0"	0' - 1 3/4"	2A	PTD HM		Yes		32	
123	123	ADMIN. PROF. 4	A	CLR WD	7' - 0"	3' - 0"	0' - 1 3/4"	1B.4	PTD HM				08	STC-36: laminated glazing 3/16"+.3 PVB+3/16"
125	125	ADMIN. PROF. 1	A	CLR WD	7' - 0"	3' - 0"	0' - 1 3/4"	1B.4	PTD HM				08	STC-36: laminated glazing 3/16"+.3 PVB+3/16"
127	127	FACULTY OFFICE	A	CLR WD	7' - 0"	3' - 0"	0' - 1 3/4"	1B.4	PTD HM				08	STC-36: laminated glazing 3/16"+.3 PVB+3/16"
128.1	128	ADMIN. SUITE	A	CLR WD	7' - 0"	3' - 6"	0' - 1 3/4"	11	PTD HM				46	
128.2	128	ADMIN. SUITE	H	CLR WD	7' - 0"	3' - 0"	0' - 1 3/4"	1A	PTD HM		Yes		23	
128A.2	128	ADMIN. SUITE	A	CLR WD	7' - 0"	3' - 0"	0' - 1 3/4"	1B.4	PTD HM				47	
128B	128	ADMIN. SUITE	A	CLR WD	7' - 0"	3' - 0"	0' - 1 3/4"	1B.4	PTD HM				09	
128C	128	ADMIN. SUITE	A	CLR WD	7' - 0"	3' - 0"	0' - 1 3/4"	1B.4	PTD HM				09	
128D	128D	ADMIN. SIPS. EXEC.	A	CLR WD	7' - 0"	3' - 0"	0' - 1 3/4"	1B.4	PTD HM				09	
128E	128E	ADMIN. SIPS. EXEC.	A	CLR WD	7' - 0"	3' - 0"	0' - 1 3/4"	1B.4	PTD HM				09	
129	129	FACULTY OFFICE	A	CLR WD	7' - 0"	3' - 0"	0' - 1 3/4"	1B.4	PTD HM				08	STC-36: laminated glazing 3/16"+.3 PVB+3/16"
133	133	20P GENERAL ASSIGNMENT CLASSROOM	B	CLR WD	7' - 0"	3' - 0"	0' - 1 3/4"	10	PTD HM		Yes		23	
10002	10044	CORRIDOR - NORTH WING-2	E	PTD HM	7' - 0"	3' - 0"	0' - 1 3/4"	1A	PTD HM	90 MIN			21	
10003	10003	STAIR 3	ETR	PT ETR	7' - 0"	3' - 0"	0' - 1 3/4"	ETR	PT ETR HM	90 MIN			17	PAINT EXISTING DOOR AND FRAME
10023	10021	GN TOILET ROOM	H	PTD WD	7' - 0"	3' - 0"	0' - 1 3/4"	1A	PTD HM				01	
10042	10042	VESTIBULE	A	CLR WD	7' - 0"	5' - 0"	0' - 1 3/4"	2A	PTD HM				12	
10044	10044	CORRIDOR - NORTH WING-2	J2	PTD HM	7' - 0"	5' - 0"	0' - 1 3/4"	2A	PTD HM	180 MIN			40	LARGE DOOR PANEL: 3'-0"
10045	10045	CORRIDOR	J1	PTD HM	7' - 0"	8' - 0"	0' - 1 3/4"	2D	PTD HM	60 MIN			BY MFR	MAGNETIC HOLD-OPENS - COORDINATE WITH FA-SERIES *
10045S	SHAFT	SHAFT	H	PTD HM	7' - 0"	1' - 8"	0' - 1 3/4"	1A	PTD HM	90 MIN			38	
10061	10061	JAN / SUPPLY ROOM	H	PTD HM	7' - 0"	3' - 0"	0' - 1 3/4"	1A	PTD HM				19	
10064	10064	ELEC	H	PTD HM	7' - 0"	3' - 0"	0' - 1 3/4"	1A	PTD HM	45 MIN	Yes		23	
G0042A.2	G0042A	MECH CORRIDOR	J1	PTD HM	7' - 0"	5' - 0"	0' - 1 3/4"	2A	PTD HM	180 MIN			12	
X10041	10041	CORRIDOR - NORTH WING	H	PTD HM	7' - 0"	3' - 0"	0' - 1 3/4"	ETR	PT ETR HM				06	MODIFY EXISTING FRAME TO ACCOMMODATE EGRESS INWARD
X10042	10043	BREEZEWAY	ETR	PTD HM	7' - 0"	5' - 0"	0' - 1 3/4"	ETR	PT ETR HM		Yes		04	
X10044	10043	BREEZEWAY	ETR	PTD HM	7' - 0"	5' - 0"	0' - 1 3/4"	ETR	PT ETR HM		Yes		04	
SECOND FLOOR														
202	202	SYNTHETIC BIOLOGY LAB	C	CLR WD	7' - 0"	3' - 0"+2'-0"	0' - 1 3/4"	12	AL		Yes		44	
202A	202A	FLEX / MICROSCOPY	B	CLR WD	7' - 0"	3' - 6"	0' - 1 3/4"	1A	PTD HM				31	
202B	202B	CULTURE	B	CLR WD	7' - 0"	3' - 6"	0' - 1 3/4"	1A	PTD HM				31	
202C	202C	EQUIPMENT	B	CLR WD	7' - 0"	3' - 6"	0' - 1 3/4"	1A	PTD HM				31	
202F	202F	FLEXIBLE	B	CLR WD	7' - 0"	3' - 6"	0' - 1 3/4"	1A	PTD HM				34	
202G	202G	CYL. STOR.	J1	PTD HM	7' - 0"	5' - 0"	0' - 1 3/4"	2A	PTD HM		Yes		32	
202S	202	SYNTHETIC BIOLOGY LAB	H	PTD HM	7' - 0"	2' - 0"	0' - 1 3/4"	1A	PTD HM	90 MIN			38	
203	203	WRITE-UP SPACE	A	CLR WD	7' - 0"	3' - 0"	0' - 1 3/4"	1B.5	PTD HM		Yes		48	STC-36: laminated glazing 3/16"+.3 PVB+3/16"
205	205	OPEN SHARED OFFICE	A	CLR WD	7' - 0"	3' - 0"	0' - 1 3/4"	1B.5	PTD HM				08	STC-36: laminated glazing 3/16"+.3 PVB+3/16"
207	207	FACULTY OFFICE	A	CLR WD	7' - 0"	3' - 0"	0' - 1 3/4"	1B.5	PTD HM				08	STC-36: laminated glazing 3/16"+.3 PVB+3/16"
209	209	FACULTY OFFICE	A	CLR WD	7' - 0"	3' - 0"	0' - 1 3/4"	1B.5	PTD HM				08	STC-36: laminated glazing 3/16"+.3 PVB+3/16"
211	211	OPEN SHARED OFFICE	A	CLR WD	7' - 0"	3' - 0"	0' - 1 3/4"	1B.5	PTD HM				08	STC-36: laminated glazing 3/16"+.3 PVB+3/16"
211S	S-1	SHAFT	H	PTD HM	7' - 0"	1' - 8"	0' - 1 3/4"	1A	PTD HM	90 MIN			38	
219.1	219	PLANT / SOIL / MICROBES LAB	C	CLR WD	7' - 0"	3' - 0"+2'-0"	0' - 1 3/4"	2B.2	AL		Yes		44	
219.2	219	PLANT / SOIL / MICROBES LAB	B	CLR WD	7' - 0"	3' - 0"	0' - 1 3/4"	18	AL		No	No	35	EXIT ONLY
219A	219A	CYL. STOR.	H	PTD HM	7' - 0"	3' - 0"	0' - 1 3/4"	1A	PTD HM	45 MIN			05	
219B	219B	MICROSCOPY	B	CLR WD	7' - 0"	3' - 6"	0' - 1 3/4"	1C	PTD HM	45 MIN			31	
219C	219C	EQUIPMENT 1	B	CLR WD	7' - 0"	3' - 6"	0' - 1 3/4"	1C	PTD HM	45 MIN			31	
219D	219D	EQUIPMENT 2	B	CLR WD	7' - 0"	3' - 6"	0' - 1 3/4"	1C	PTD HM	45 MIN			31	
219E	219E	MOLECULAR LAB	B	CLR WD	7' - 0"	3' - 6"	0' - 1 3/4"	1C	PTD HM	45 MIN			31	
219F	219F	CULTURE	B	CLR WD	7' - 0"	3' - 6"	0' - 1 3/4"	1C	PTD HM	45 MIN			31	
219S	S-4	SHAFT	H	PTD HM	7' - 0"	2' - 0"	0' - 1 3/4"	1A	PTD HM	90 MIN			38	
223A	223	T/D	J1	PTD HM	7' - 0"	4' - 8"	0' - 1 3/4"	2A	PTD HM		Yes		32	
223B	223	T/D	H	PTD HM	7' - 0"	2' - 6"	0' - 1 3/4"	1A	PTD HM		No		05	
224	224	WRITE-UP SPACE	A	CLR WD	7' - 0"	3' - 0"	0' - 1 3/4"	13	PTD HM		Yes		48	
224A	224A	MEETING ROOM	A	CLR WD	7' - 0"	3' - 0"	0' - 1 3/4"	1B.5	PTD HM				09	
225	225	MEETING ROOM	A	CLR WD	7' - 0"	3' - 0"	0' - 1 3/4"	1B.5	PTD HM		Yes		08	STC-36: laminated glazing 3/16"+.3 PVB+3/16"
227	227	FACULTY OFFICE	A	CLR WD	7' - 0"	3' - 0"	0' - 1 3/4"	1B.5	PTD HM				08	STC-36: laminated glazing 3/16"+.3 PVB+3/16"
228	228	FLEX LAB SUPPORT	G	CLR WD	7' - 0"	4' - 6"	0' - 1 3/4"	2B.5	PTD HM		Yes		41	
229	229	FACULTY OFFICE	A	CLR WD	7' - 0"	3' - 0"	0' - 1 3/4"	1B.5	PTD HM				08	STC-36: laminated glazing 3/16"+.3 PVB+3/16"
230.1	230	PLANT PHYSIOLOGY PREP LAB	C	CLR WD	7' - 0"	3' - 0"+2'-0"	0' - 1 3/4"	2B.5	PTD HM		Yes		41	
230.2	230	PLANT PHYSIOLOGY PREP LAB	B	CLR WD	7' - 0"	3' - 0"	0' - 1 3/4"	1B.5	PTD HM				13	
231	231	FACULTY OFFICE	A	CLR WD	7' - 0"	3' - 0"	0' - 1 3/4"	1B.5	PTD HM				08	STC-36: laminated glazing 3/16"+.3 PVB+3/16"
233	233	FACULTY OFFICE	A	CLR WD	7' - 0"	3' - 0"	0' - 1 3/4"	1B.5	PTD HM				08	STC-36: laminated glazing 3/16"+.3 PVB+3/16"
235	235	FACULTY OFFICE	A	CLR WD	7' - 0"	3' - 0"	0' - 1 3/4"	1B.5	PTD HM				08	STC-36: laminated glazing 3/16"+.3 PVB+3/16"
236	236	PLANT PHYSIOLOGY TEACHING LAB	C	CLR WD	7' - 0"	3' - 0"+2'-0"	0' - 1 3/4"	2B.5	PTD HM	45 MIN	Yes		41	
20002	20002	STAIR 2	E	PTD HM	7' - 0"	3' - 0"	0' - 1 3/4"	1A	PTD HM	90 MIN	Yes		28	
20003	20003	STAIR 3	ETR	PT ETR	7' - 0"	3' - 0"	0' - 1 3/4"	ETR	PT ETR HM	90 MIN			21	PAINT EXISTING DOOR AND FRAME
20020	20020	GN TOILET ROOM	H	PTD WD	7' - 0"	3' - 0"	0' - 1 3/4"	1A	PTD HM				01	
20023	20023	GN TOILET ROOM	H	PTD WD	7' - 0"	3' - 0"	0' - 1 3/4"	1A	PTD HM				01	

DOOR SCHEDULE - Phase 2

wtwt					DOOR			FRAME						
DOOR No.	ROOM No.	ROOM NAME	DOOR TYPE	MATERIAL	HEIGHT	WIDTH	THK	TYPE	MATERIAL	FIRE RATING	CARD READER	POWER OPER.	HDWR SET	REMARKS
20040	20040	CORRIDOR - EAST	J1	PTD HM	8' - 11 1/2"	8' - 0"	0' - 1 3/4"	2D	PTD HM	60 MIN			BY MFR	MAGNETIC HOLD-OPENS - COORDINATE WITH FA-SERIES *
20040S	S-3	SHAFT	H	PTD HM	7' - 0"	1' - 8"	0' - 1 3/4"	1A	PTD HM	90 MIN			38	
20060	20060	ELECTRICAL	H	PTD HM	7' - 0"	3' - 0"	0' - 1 3/4"	1A	PTD HM	45 MIN	Yes		23	
20060A	20060	ELECTRICAL	H	PTD HM	7' - 0"	3' - 0"	0' - 1 3/4"	1A	PTD HM	90 MIN			38	
20062	20040	CORRIDOR - EAST	J1	PTD HM	7' - 0"	3' - 6"	0' - 1 3/4"	2A	PTD HM		Yes		32	
20063	237B	LECTURE STO.	ETR	PTD WD	7' - 0"	2' - 4"	0' - 1 3/4"	ETR	PTD HM				--	PAINT EXISTING DOOR AND FRAME
X20041	20041	CORRIDOR - NORTH WING	X2	PTD WD	7' - 0"	3' - 0"	0' - 1 3/4"	1A	PTD WD		Yes	Yes	02	
THIRD FLOOR														
202T	304A	AUTOCLAVE SERVICE	BY MFR	BY MFR	7' - 0"	2' - 0"	0' - 1 3/4"	BY MFR	BY MFR				N/A	
302	302	MOLECULAR PLANT-MICROBE INTERACTIONS	C	CLR WD	7' - 0"	3' - 0"+2'-0"	0' - 1 3/4"	2B.1	AL		Yes		44	
302B	302B	CULTURE	B	CLR WD	7' - 0"	3' - 6"	0' - 1 3/4"	1A	PTD HM				31	
302E	302E	DIRTY / REGULATED FLEX	B	CLR WD	7' - 0"	3' - 6"	0' - 1 3/4"	1A	PTD HM				34	
302EA	302EA	DARKROOM	H	CLR WD	7' - 0"	3' - 0"	0' - 1 3/4"	1A	PTD HM				49	
302S	SHAFT	SHAFT	H	PTD HM	7' - 0"	1' - 8"	0' - 1 3/4"	1A	PTD HM	90 MIN			38	
304	304	AUTOCLAVE	G2	CLR WD	7' - 0"	5' - 0"	0' - 1 3/4"	2B.1	PTD HM		Yes		29	
304A.2	304A	AUTOCLAVE SERVICE	J1	PTD HM	7' - 0"	5' - 0"	0' - 1 3/4"	2A	PTD HM				50	STC-35
307	307	WRITE-UP SPACE	A	CLR WD	7' - 0"	3' - 0"	0' - 1 3/4"	20	PTD HM		Yes		48	
309	309	CYL. CLO.	J1	PTD HM	7' - 0"	6' - 0"	0' - 1 3/4"	2A	PTD HM		Yes		32	
311	30041	CORRIDOR - NORTH WING	A	CLR WD	7' - 0"	3' - 0"	0' - 1 3/4"	22	PTD HM				48	
313	313	FACULTY OFFICE	A	CLR WD	7' - 0"	3' - 0"	0' - 1 3/4"	1B.3	PTD HM				08	STC-36: laminated glazing 3/16"+.3 PVB+3/16"
315	315	PRINT/ SUPPLY	A	CLR WD	7' - 0"	3' - 0"	0' - 1 3/4"	1B.3	PTD HM				08	STC-36: laminated glazing 3/16"+.3 PVB+3/16"
315S	SHAFT	SHAFT	H	PTD HM	7' - 0"	1' - 8"	0' - 1 3/4"	1A	PTD HM	90 MIN			38	
319.1	319	SOIL/PLANT LAB	C	CLR WD	7' - 0"	3' - 0"+2'-0"	0' - 1 3/4"	2B.3	AL		Yes		44	
319.2	319	SOIL/PLANT LAB	B	CLR WD	7' - 0"	3' - 0"	0' - 1 3/4"	27	AL		No	No	35	EXIT ONLY
319A	319A	CYL. STOR.	H	PTD HM	7' - 0"	3' - 0"	0' - 1 3/4"	1A	PTD HM	45 MIN			05	
319B	319B	FLEXIBLE	B	CLR WD	7' - 0"	3' - 6"	0' - 1 3/4"	1C	PTD HM	45 MIN			31	
319C.1	319C	MICROSCOPY	B	CLR WD	7' - 0"	3' - 6"	0' - 1 3/4"	1C	PTD HM	45 MIN			31	
319C.2	319C	MICROSCOPY	L	CLR WD	7' - 1 171/256"	2' - 11 27/128"	0' - 2 7/8"	1D	AL				25	SLIDING DOOR
319D	319D	EQUIPMENT	B	CLR WD	7' - 0"	3' - 6"	0' - 1 3/4"	1C	PTD HM	45 MIN			31	
319E	319E	SOIL / EQUIPMENT	B	CLR WD	7' - 0"	3' - 6"	0' - 1 3/4"	1C	PTD HM	45 MIN			31	
319F	319F	TISSUE CULTURE	B	CLR WD	7' - 0"	3' - 6"	0' - 1 3/4"	1C	PTD HM	45 MIN			31	
319S	SHAFT	SHAFT	H	PTD HM	7' - 0"	2' - 0"	0' - 1 3/4"	1C	PTD HM	90 MIN			38	
324	324	WRITE-UP SPACE	A	CLR WD	7' - 0"	3' - 0"	0' - 1 3/4"	23	PTD HM		Yes		48	
324A	324	WRITE-UP SPACE	A	CLR WD	7' - 0"	3' - 0"	0' - 1 3/4"	1B.3	PTD HM				48	
325	325	T/D	J1	PTD HM	7' - 0"	6' - 0"	0' - 1 3/4"	2A	PTD HM		Yes		32	
326	326	FLEX LAB SUPPORT	G	CLR WD	7' - 0"	4' - 6"	0' - 1 3/4"	2B.3	PTD HM		Yes		41	
327	327	OFFICE	A	CLR WD	7' - 0"	3' - 0"	0' - 1 3/4"	1B.3	PTD HM				08	STC-36: laminated glazing 3/16"+.3 PVB+3/16"
328	328	FACULTY OFFICE	A	CLR WD	7' - 0"	3' - 0"	0' - 1 3/4"	1B.3	PTD HM				08	STC-36: laminated glazing 3/16"+.3 PVB+3/16"
329	329	FACULTY OFFICE	A	CLR WD	7' - 0"	3' - 0"	0' - 1 3/4"	1B.3	PTD HM				08	STC-36: laminated glazing 3/16"+.3 PVB+3/16"
330	330	FACULTY OFFICE	A	CLR WD	7' - 0"	3' - 0"	0' - 1 3/4"	1B.3	PTD HM				08	STC-36: laminated glazing 3/16"+.3 PVB+3/16"
331	331	FACULTY OFFICE	A	CLR WD	7' - 0"	3' - 0"	0' - 1 3/4"	1B.3	PTD HM				08	STC-36: laminated glazing 3/16"+.3 PVB+3/16"
332	332	FACULTY OFFICE	A	CLR WD	7' - 0"	3' - 0"	0' - 1 3/4"	1B.3	PTD HM				08	STC-36: laminated glazing 3/16"+.3 PVB+3/16"
333	333	FACULTY OFFICE	A	CLR WD	7' - 0"	3' - 0"	0' - 1 3/4"	1B.3	PTD HM				08	STC-36: laminated glazing 3/16"+.3 PVB+3/16"
334	334	FACULTY OFFICE	A	CLR WD	7' - 0"	3' - 0"	0' - 1 3/4"	1B.3	PTD HM				08	STC-36: laminated glazing 3/16"+.3 PVB+3/16"
335	335	FACULTY OFFICE	A	CLR WD	7' - 0"	3' - 0"	0' - 1 3/4"	1B.3	PTD HM				08	STC-36: laminated glazing 3/16"+.3 PVB+3/16"
337	337	FACULTY OFFICE	A	CLR WD	7' - 0"	3' - 0"	0' - 1 3/4"	1B.3	PTD HM				08	STC-36: laminated glazing 3/16"+.3 PVB+3/16"
339	339	FACULTY OFFICE	A	CLR WD	7' - 0"	3' - 0"	0' - 1 3/4"	1B.3	PTD HM				08	STC-36: laminated glazing 3/16"+.3 PVB+3/16"
30002	30002	STAIR 2	E	PTD HM	7' - 0"	3' - 0"	0' - 1 3/4"	1A	PTD HM	90 MIN	Yes		28	
30003	30003	STAIR 3	ETR	PT ETR	7' - 0"	3' - 0"	0' - 1 3/4"	ETR	PT ETR HM	90 MIN			17	PAINT EXISTING DOOR AND FRAME
30020	30020	GN TOILET ROOM	H	PTD WD	7' - 0"	3' - 0"	0' - 1 3/4"	1A	PTD HM				01	
30023	30023	GN TOILET ROOM	H	PTD WD	7' - 0"	3' - 0"	0' - 1 3/4"	1A	PTD HM				01	
30040	30040	CORRIDOR ANNEX	J1	PTD HM	7' - 0"	6' - 0"	0' - 1 3/4"	2A	PTD HM	180 MIN			14	2'-1.25" +/- JAMB VIF MAG HOLD-OPENS - COORDINATE W/FA * HW14 BY081713
30041	30041	CORRIDOR - NORTH WING	J1	PTD HM	7' - 0"	8' - 0"	0' - 1 3/4"	2D	PTD HM	60 MIN			BY MFR	MAGNETIC HOLD-OPENS - COORDINATE WITH FA-SERIES *
30042S	SHAFT	SHAFT	H	PTD HM	7' - 0"	1' - 8"	0' - 1 3/4"	1A	PTD HM	90 MIN			38	
30060	30060	ELECTRICAL	H	PTD HM	7' - 0"	3' - 0"	0' - 1 3/4"	1A	PTD HM	45 MIN	Yes		23	
30060S	30060	ELECTRICAL	H	PTD HM	7' - 0"	2' - 0"	0' - 1 3/4"	1A	PTD HM	90 MIN			38	
FOURTH FLOOR														
402A	402A	MICROSCOPY	L	CLR WD	7' - 0"	3' - 6"	0' - 2 7/8"	1D	AL				25	SLIDING DOOR
402B	402B	PCR / CLEANROOM	L	CLR WD	7' - 0"	3' - 6"	0' - 2 7/8"	1D	AL				25	SLIDING DOOR
402D	402D	CULTURE	B	CLR WD	7' - 0"	3' - 6"	0' - 1 3/4"	1A	PTD HM				34	
402E	402E	CYL. CLO.	J1	PTD HM	7' - 0"	7' - 8"	0' - 1 3/4"	2A	PTD HM				33	
402S	SHAFT	SHAFT	H	PTD HM	7' - 0"	2' - 0"	0' - 1 3/4"	1A	PTD HM	90 MIN			38	
402V	402	BIODIVERSITY LAB	C	CLR WD	7' - 0"	3' - 0"+2'-0"	0' - 1 3/4"	2B.1	AL		Yes		44	
403	403	BIO-DIVERSITY HUB	A	CLR WD	7' - 0"	3' - 6"	0' - 1 3/4"	29	AL		Yes		22	
404	404	COLLAB	H	PTD HM	7' - 0"	3' - 0"	0' - 1 3/4"	1A	PTD HM		Yes		23	
404A	404A	WORKSPACE	A	CLR WD	7' - 0"	3' - 0"	0' - 1 3/4"	28	AL				09	
416	416	COMPUTATIONAL LAB	A	CLR WD	7' - 0"	3' - 0"	0' - 1 3/4"	30	PTD HM		Yes		15	
417	417	T/D	J1	PTD HM	7' - 0"	6' - 0"	0' - 1 3/4"	2A	PTD HM		Yes		32	
418	418	ACAD. OFFICE 14	A	CLR WD	7' - 0"	3' - 0"	0' - 1 3/4"	1B.2	PTD HM				08	
420	420	ACAD. OFFICE 13	A	CLR WD	7' - 0"	3' - 0"	0' - 1 3/4"	1B.2	PTD HM				08	
426	426	ACAD. OFFICE 12	A	CLR WD	7' - 0"	3' - 0"	0' - 1 3/4"	1B.2	PTD HM				08	
428	428	ACAD. OFFICE 11	A	CLR WD	7' - 0"	3' - 0"	0' - 1 3/4"	1B.2	PTD HM				08	
430	430	ACAD. OFFICE 10	A	CLR WD	7' - 0"	3' - 0"	0' - 1 3/4"	1B.2	PTD HM				08	
431.1	431	COMPUTATIONAL LAB	A	CLR WD	7' - 0"	3' - 0"	0' - 1 3/4"	31	PTD HM		Yes		23	
431.2	431	COMPUTATIONAL LAB	A	CLR WD	7' - 0"	3' - 0"	0' - 1 3/4"	31	PTD HM				23	
431A	431A	TEAM ROOM	A	CLR WD	7' - 0"	3' - 0"	0' - 1 3/4"	31	PTD HM				13	
431B	431	COMPUTATIONAL LAB	A	CLR WD	7' - 0"	3' - 0"	0' - 1 3/4"	31	PTD HM				13	
40002	40002	STAIR 2	E	PTD HM	7' - 0"	3' - 0"	0' - 1 3/4"	1A	PTD HM	90 MIN			28	
40003	40040	CORRIDOR	ETR	PT ETR	7' - 0"	3' - 0"	0' - 1 3/4"	ETR	PT ETR HM	90 MIN			21	PAINT EXISTING DOOR AND FRAME
40020	40020	GN TOILET ROOM	H	PTD WD	7' - 0"	3' - 0"	0' - 1 3/4"	1A	PTD HM				01	
40040	40040	CORRIDOR	J2	PTD HM	7' - 0"	4' - 6"	0' - 1 3/4"	2A	PTD HM	60 MIN			BY MFR	MAGNETIC HOLD-OPENS - COORDINATE WITH FA-SERIES *
40040.1	40040	CORRIDOR- NORTH WING	J1	PTD HM	7' - 0"	6' - 0"	0' - 1 3/4"	2A	PTD HM	180 MIN			12	2'-1' +/- JAMB VIF
40060	40060	MECHANICAL	H	PTD HM	7' - 0"	3' - 0"	0' - 1 3/4"	1A	PTD HM				19	
40060A	40060A	AHU VESTIBULE	H	PTD HM	7' - 0"	2' - 6"	0' - 1 3/4"	1A	PTD HM	45 MIN			19	
40061	40043	CORRIDOR-EAST	H	PTD HM	7' - 0"	3' - 0"	0' - 1 3/4"	1A	PTD HM		Yes		39	
40061S	SHAFT	SHAFT	H	PTD HM	7' - 0"	1' - 8"	0' - 1 3/4"	1A	PTD HM	90 MIN			38	
PENTHOUSE														
50003	50003	STAIR 3	H	PTD HM	7' - 0"	3' - 0"	0' - 1 3/4"	1A	PTD HM	45 MIN			05	
PH001	PH001	EAST PENTHOUSE	H	PTD HM	7' - 0"	3' - 0"	0' - 1 3/4"	1A	PTD HM				19	
PH002	PH001	EAST PENTHOUSE	J1	PTD HM	7' - 0"	5' - 0"	0' - 1 3/4"	1A	PTD HM	2 HR			37	

GENERAL NOTES:
1. SHAFT DOORS AND FRAMES ARE TO BE PAINTED TO MATCH ADJACENT WALL COLOR.
2. 45-MIN RATED DOORS ARE TO HAVE 45-MINUTE RATED GLAZING; BOTH ARE TO BE LABELED D-H-45.
3. ALL FIRE-RATED DOORS ARE TO BE LABELED IN COMPLIANCE WITH 2025 NYSBC 716.1(2)
4. GC TO FIELD VERIFY EXISTING CONDITIONS AT EXISTING-TO-REMAIN OPENINGS, INCLUDING VERIFYING FRAME IS LEVEL, PLUMB, AND SQUARE; HANDING AND HINGE LOCATIONS; AND ALL DIMENSIONS.
5. ALL DOORS AND FRAMES ARE NEW UNLESS NOTED AS EXISTING TO REMAIN (ETR)
   a. PT ETR = PAINT EXISTING TO REMAIN DOOR/FRAME
   b. PTD HM = PAINT NEW HOLLOW METAL DOOR/FRAME
   c. CLR WD = PROVIDE TRANSPARENT FACTORY FINISH FOR NEW WOOD DOOR
* INDICATES INTEGRATED DOOR ASSEMBLY

RENOVATE PLANT SCIENCE BUILDING - PHASE 2

SUCF Project No. 161026-00

236 Tower Road
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SUNY State University Construction Fund

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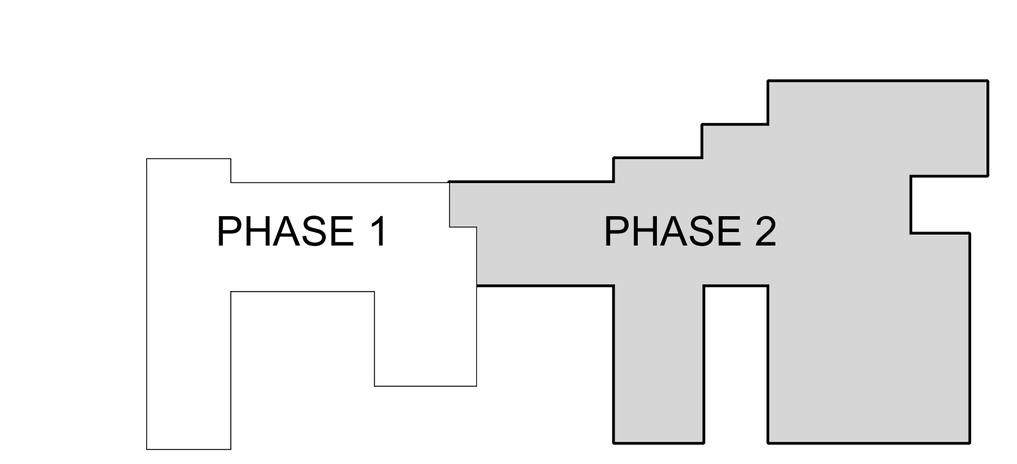
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Notes:



Keyplan

Job Number	31909.00
Drawing By	Author
Checked By	Checker
Filename	
Date	August 31, 2026

Revisions

C	ADDENDUM 4	11/12/2026

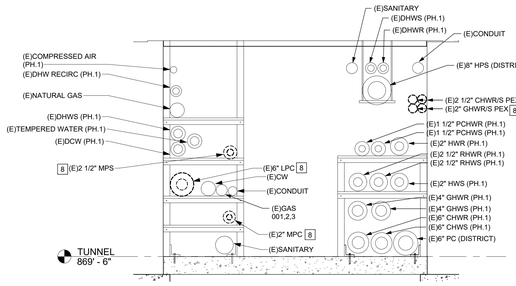
DOOR & FRAME SCHEDULE - PHASE 2



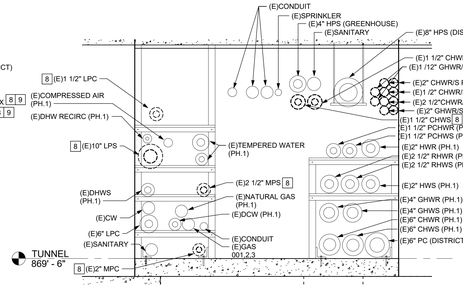
BID DOCUMENTS
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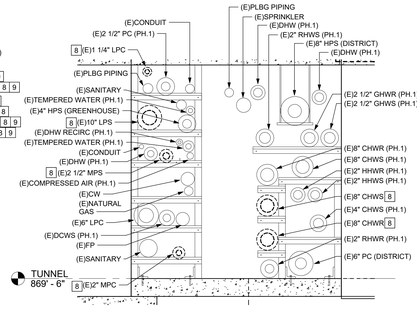
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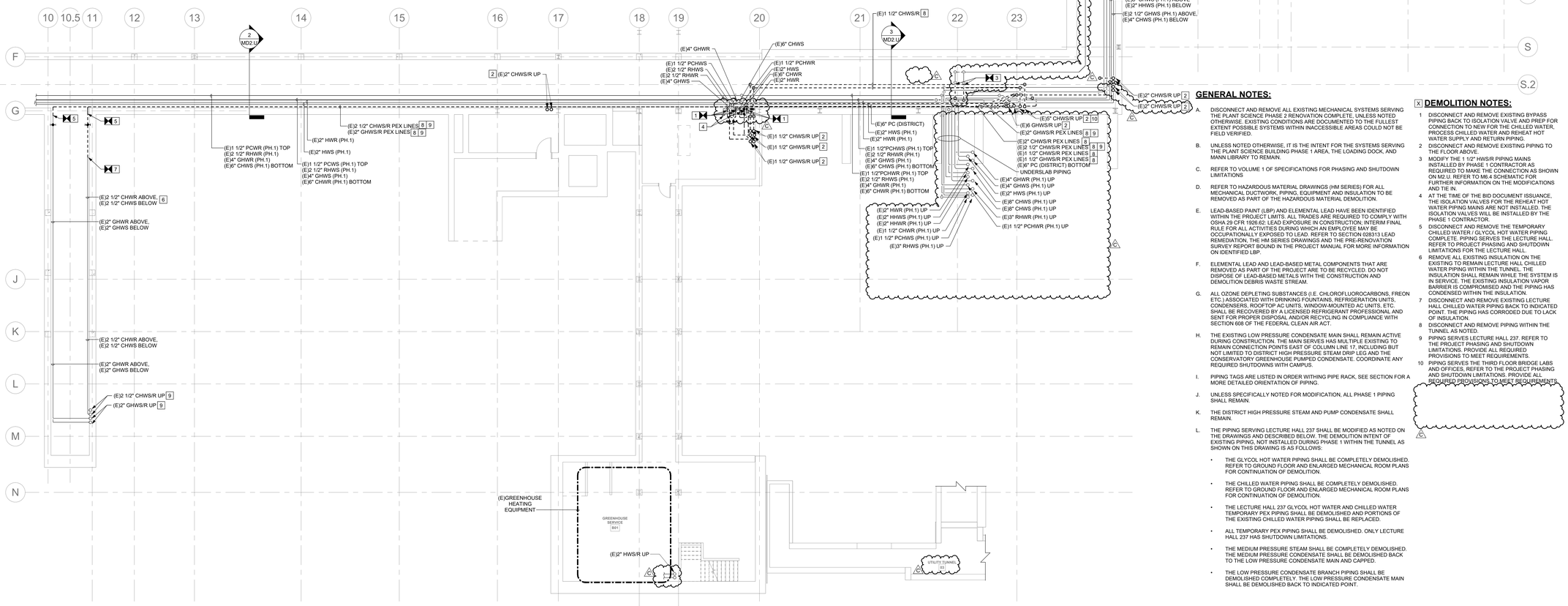
2 EXISTING N/S TUNNEL SECTION
NOT TO SCALE



3 EXISTING N/S TUNNEL SECTION 2
NOT TO SCALE



4 EXISTING E/W TUNNEL SECTION
NOT TO SCALE



1 MECHANICAL TUNNEL PIPING DEMOLITION PLAN - PHASE 2
1/8" = 1'-0"

GENERAL NOTES:

A. DISCONNECT AND REMOVE ALL EXISTING MECHANICAL SYSTEMS SERVING THE PLANT SCIENCE PHASE 2 RENOVATION COMPLETE, UNLESS NOTED OTHERWISE. EXISTING CONDITIONS ARE DOCUMENTED TO THE FULLEST EXTENT POSSIBLE SYSTEMS WITHIN INACCESSIBLE AREAS COULD NOT BE FIELD VERIFIED.

B. UNLESS NOTED OTHERWISE, IT IS THE INTENT FOR THE SYSTEMS SERVING THE PLANT SCIENCE BUILDING PHASE 1 AREA, THE LOADING DOCK, AND MANN LIBRARY TO REMAIN.

C. REFER TO VOLUME 1 OF SPECIFICATIONS FOR PHASING AND SHUTDOWN LIMITATIONS

D. REFER TO HAZARDOUS MATERIAL DRAWINGS (HM SERIES) FOR ALL MECHANICAL DUCTWORK, PIPING, EQUIPMENT AND INSULATION TO BE REMOVED AS PART OF THE HAZARDOUS MATERIAL DEMOLITION.

E. LEAD-BASED PAINT (LBP) AND ELEMENTAL LEAD HAVE BEEN IDENTIFIED WITHIN THE PROJECT LIMITS. ALL TRADES ARE REQUIRED TO COMPLY WITH OSHA 29 CFR 1926.62: LEAD EXPOSURE IN CONSTRUCTION; INTERIM FINAL RULE FOR ALL ACTIVITIES DURING WHICH AN EMPLOYEE MAY BE OCCUPATIONALLY EXPOSED TO LEAD. REFER TO SECTION 028313 LEAD REMEDIATION, THE HM SERIES DRAWINGS AND THE PRE-RENOVATION SURVEY REPORT BOUND IN THE PROJECT MANUAL FOR MORE INFORMATION ON IDENTIFIED LBP.

F. ELEMENTAL LEAD AND LEAD-BASED METAL COMPONENTS THAT ARE REMOVED AS PART OF THE PROJECT ARE TO BE RECYCLED. DO NOT DISPOSE OF LEAD-BASED METALS WITH THE CONSTRUCTION AND DEMOLITION DEBRIS WASTE STREAM.

G. ALL OZONE DEPLETING SUBSTANCES (I.E. CHLOROFLUOROCARBONS, FREON ETC.) ASSOCIATED WITH DRINKING FOUNTAINS, REFRIGERATION UNITS, CONDENSERS, ROOFTOP AC UNITS, WINDOW-MOUNTED AC UNITS, ETC. SHALL BE RECOVERED BY A LICENSED REFRIGERANT PROFESSIONAL AND SENT FOR PROPER DISPOSAL AND/OR RECYCLING IN COMPLIANCE WITH SECTION 608 OF THE FEDERAL CLEAN AIR ACT.

H. THE EXISTING LOW PRESSURE CONDENSATE MAIN SHALL REMAIN ACTIVE DURING CONSTRUCTION. THE MAIN SERVES HAS MULTIPLE EXISTING TO REMAIN CONNECTION POINTS EAST OF COLUMN LINE 17, INCLUDING BUT NOT LIMITED TO DISTRICT HIGH PRESSURE STEAM DRIP LEG AND THE CONSERVATORY GREENHOUSE PUMPED CONDENSATE. COORDINATE ANY REQUIRED SHUTDOWNS WITH CAMPUS.

I. PIPING TAGS ARE LISTED IN ORDER WITHING PIPE RACK, SEE SECTION FOR A MORE DETAILED ORIENTATION OF PIPING.

J. UNLESS SPECIFICALLY NOTED FOR MODIFICATION, ALL PHASE 1 PIPING SHALL REMAIN.

K. THE DISTRICT HIGH PRESSURE STEAM AND PUMP CONDENSATE SHALL REMAIN.

L. THE PIPING SERVING LECTURE HALL 237 SHALL BE MODIFIED AS NOTED ON THE DRAWINGS AND DESCRIBED BELOW. THE DEMOLITION INTENT OF EXISTING PIPING, NOT INSTALLED DURING PHASE 1 WITHIN THE TUNNEL AS SHOWN ON THIS DRAWING IS AS FOLLOWS:

- THE GLYCOL HOT WATER PIPING SHALL BE COMPLETELY DEMOLISHED. REFER TO GROUND FLOOR AND ENLARGED MECHANICAL ROOM PLANS FOR CONTINUATION OF DEMOLITION.
- THE CHILLED WATER PIPING SHALL BE COMPLETELY DEMOLISHED. REFER TO GROUND FLOOR AND ENLARGED MECHANICAL ROOM PLANS FOR CONTINUATION OF DEMOLITION.
- THE LECTURE HALL 237 GLYCOL HOT WATER AND CHILLED WATER TEMPORARY PEX PIPING SHALL BE DEMOLISHED AND PORTIONS OF THE EXISTING CHILLED WATER PIPING SHALL BE REPLACED.
- ALL TEMPORARY PEX PIPING SHALL BE DEMOLISHED. ONLY LECTURE HALL 237 HAS SHUTDOWN LIMITATIONS.
- THE MEDIUM PRESSURE STEAM SHALL BE COMPLETELY DEMOLISHED. THE MEDIUM PRESSURE CONDENSATE SHALL BE DEMOLISHED BACK TO THE LOW PRESSURE CONDENSATE MAIN AND CAPPED.
- THE LOW PRESSURE CONDENSATE BRANCH PIPING SHALL BE DEMOLISHED COMPLETELY. THE LOW PRESSURE CONDENSATE MAIN SHALL BE DEMOLISHED BACK TO INDICATED POINT.

X DEMOLITION NOTES:

1 DISCONNECT AND REMOVE EXISTING BYPASS PIPING BACK TO ISOLATION VALVE AND PREP FOR CONNECTION TO NEW FOR THE CHILLED WATER, PROCESS CHILLED WATER AND REHEAT HOT WATER SUPPLY AND RETURN PIPING.

2 DISCONNECT AND REMOVE EXISTING PIPING TO THE FLOOR ABOVE.

3 MODIFY THE 1 1/2" HWS/R PIPING MAINS INSTALLED BY PHASE 1 CONTRACTOR AS REQUIRED TO MAKE THE CONNECTION AS SHOWN ON M2.U. REFER TO M5.4 SCHEMATIC FOR FURTHER INFORMATION ON THE MODIFICATIONS AND TIE IN.

4 AT THE TIME OF THE BID DOCUMENT ISSUANCE, THE ISOLATION VALVES FOR THE REHEAT HOT WATER PIPING MAINS ARE NOT INSTALLED. THE ISOLATION VALVES WILL BE INSTALLED BY THE PHASE 1 CONTRACTOR.

5 DISCONNECT AND REMOVE THE TEMPORARY CHILLED WATER / GLYCOL HOT WATER PIPING COMPLETE. PIPING SERVES THE LECTURE HALL. REFER TO PROJECT PHASING AND SHUTDOWN LIMITATIONS FOR THE LECTURE HALL.

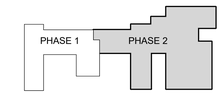
6 REMOVE ALL EXISTING INSULATION ON THE EXISTING TO REMAIN LECTURE HALL CHILLED WATER PIPING WITHIN THE TUNNEL. THE INSULATION SHALL REMAIN WHILE THE SYSTEM IS IN SERVICE. THE EXISTING INSULATION VAPOR BARRIER IS COMPROMISED AND THE PIPING HAS CONDENSED WITHIN THE INSULATION.

7 DISCONNECT AND REMOVE EXISTING LECTURE HALL CHILLED WATER PIPING BACK TO INDICATED POINT. THE PIPING HAS CORRODED DUE TO LACK OF INSULATION.

8 DISCONNECT AND REMOVE PIPING WITHIN THE TUNNEL AS NOTED.

9 PIPING SERVES LECTURE HALL 237. REFER TO THE PROJECT PHASING AND SHUTDOWN LIMITATIONS. PROVIDE ALL REQUIRED PROVISIONS TO MEET REQUIREMENTS.

10 PIPING SERVES THE THIRD FLOOR BRIDGE LABS AND OFFICES. REFER TO THE PROJECT PHASING AND SHUTDOWN LIMITATIONS. PROVIDE ALL REQUIRED PROVISIONS TO MEET REQUIREMENTS.



Keyplan

Job Number	31909.00
Drawing By	ZMH
Checked By	NMT
Filename	
Date	August 31, 2026

Revisions

C	Addendum No. 4	11/12/2026

MECHANICAL TUNNEL PIPING DEMOLITION PLAN - PHASE 2

BID DOCUMENTS
Scale: As indicated

MD2.U

Reg. Exp: 04/30/2029
Cert. of Auth: 099088

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RENOVATE PLANT SCIENCE BUILDING - PHASE 2
SUCF Project No. 161026-00

236 Tower Road
Ithaca, NY 14853

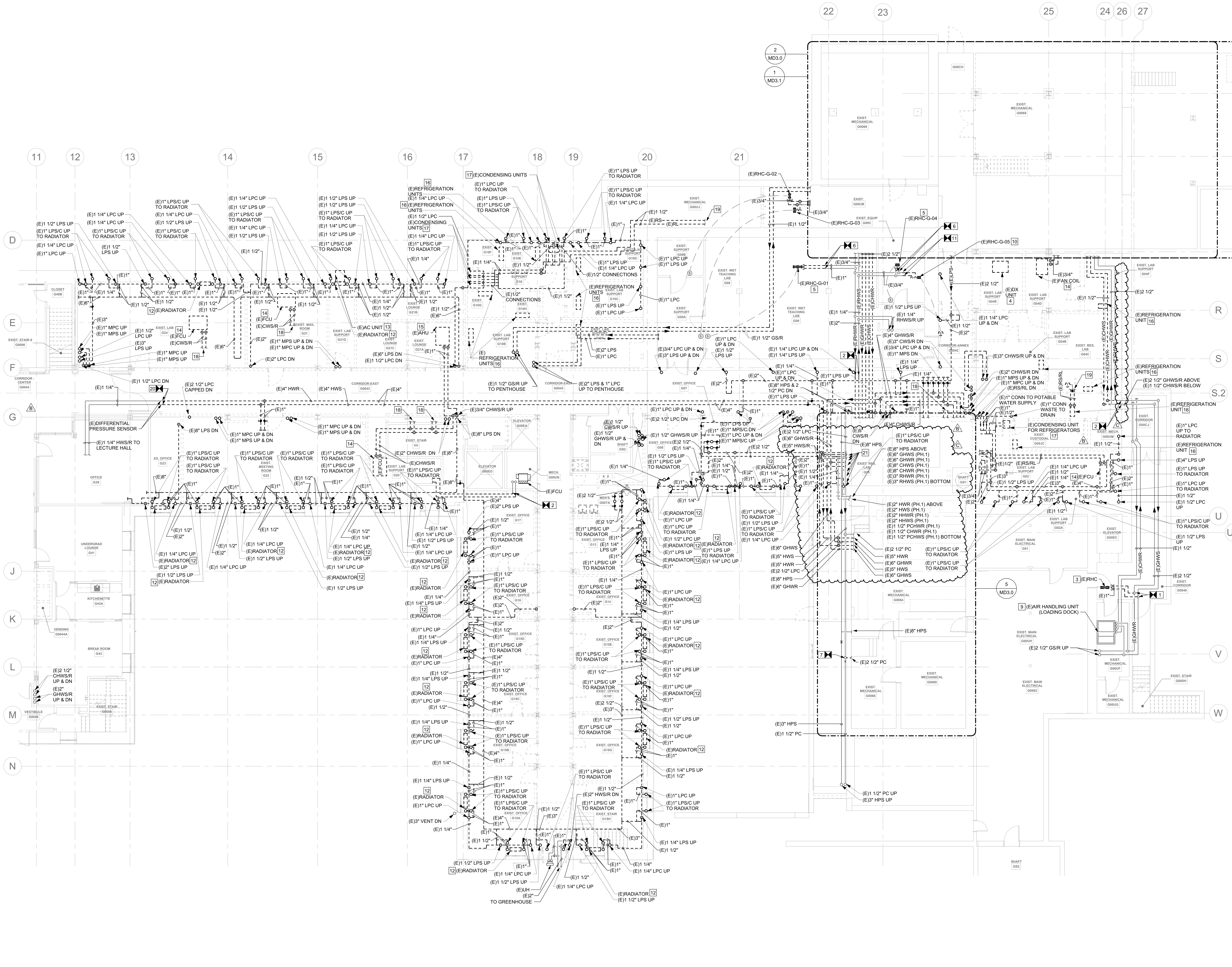
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DM Engineers Fire Protection Engineers	1007 Yonkers Ave Yonkers, NY 10704 T 929 333-2339
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Hastings Consulting Building Code	142 Hanlon Rd Holliston, MA 01746 T 508 397-8417
Ellana Cost Consulting	32 Broadway, Suite 801 New York, NY 10004 T 212971-0936

Notes:

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1 MECHANICAL GROUND FLOOR PIPING DEMOLITION PLAN - PHASE 2

1/8" = 1'-0"

GENERAL NOTES:

A. DISCONNECT AND REMOVE ALL EXISTING MECHANICAL SYSTEMS SERVING THE PLANT SCIENCE PHASE 2 RENOVATION COMPLETE, UNLESS NOTED OTHERWISE. EXISTING CONDITIONS ARE DOCUMENTED TO THE FULLEST EXTENT POSSIBLE SYSTEMS WITHIN INACCESSIBLE AREAS COULD NOT BE FIELD VERIFIED.

B. UNLESS NOTED OTHERWISE, IT IS THE INTENT FOR THE SYSTEMS SERVING THE PLANT SCIENCE BUILDING PHASE 1 AREA, THE LOADING DOCK, AND MANN LIBRARY TO REMAIN.

C. REFER TO VOLUME 1 OF SPECIFICATIONS FOR PHASING AND SHUTDOWN LIMITATIONS.

D. REFER TO HAZARDOUS MATERIAL DRAWINGS (HM SERIES) FOR ALL MECHANICAL DUCTWORK, PIPING, EQUIPMENT AND INSULATION TO BE REMOVED AS PART OF THE HAZARDOUS MATERIAL DEMOLITION

E. LEAD-BASED PAINT (LBP) AND ELEMENTAL LEAD HAVE BEEN IDENTIFIED WITHIN THE PROJECT LIMITS. ALL TRADES ARE REQUIRED TO COMPLY WITH OSHA 29 CFR 1926.62: LEAD EXPOSURE IN CONSTRUCTION; INTERIM FINAL RULE FOR ALL ACTIVITIES DURING WHICH AN EMPLOYEE MAY BE OCCUPATIONALLY EXPOSED TO LEAD. REFER TO SECTION 028313 LEAD REMEDIATION, THE HM SERIES DRAWINGS AND THE PRE-RENOVATION SURVEY REPORT BOUND IN THE PROJECT MANUAL FOR MORE INFORMATION ON IDENTIFIED LBP.

F. ELEMENTAL LEAD AND LEAD-BASED METAL COMPONENTS THAT ARE REMOVED AS PART OF THE PROJECT ARE TO BE RECYCLED. DO NOT DISPOSE OF LEAD-BASED METALS WITH THE CONSTRUCTION AND DEMOLITION DEBRIS WASTE STREAM.

G. ALL OZONE DEPLETING SUBSTANCES (I.E. CHLOROFLUOROCARBONS, FREON ETC.) ASSOCIATED WITH DRINKING FOUNTAINS, REFRIGERATION UNITS, CONDENSERS, ROOFTOP AC UNITS, WINDOW-MOUNTED AC UNITS, ETC. SHALL BE RECOVERED BY A LICENSED REFRIGERANT PROFESSIONAL AND SENT FOR PROPER DISPOSAL AND/OR RECYCLING IN COMPLIANCE WITH SECTION 608 OF THE FEDERAL CLEAN AIR ACT.

H. DISCONNECT AND REMOVE ALL PNEUMATIC TUBING BACK TO SOURCE. TUBING SHALL BE REMOVED COMPLETELY BACK TO THE MAIN. THE MAIN SHALL BE REMOVED BACK TO THE COMPRESSOR, UNLESS IT FEEDS EXISTING TO REMAIN EQUIPMENT. COPPER TUBING SHALL BE TERMINATED WITH SOLDERED END. POLY TUBING SHALL BE TERMINATED USING BRASS PLUGS. BENDING OVER COPPER TUBING, PINCHING/BRAZING, AND THE USE OF SHEETMETAL SCREWS TO MAKE TERMINATIONS ARE NOT ACCEPTABLE.

I. WHERE MECHANICAL EQUIPMENT IS INDICATED TO BE DEMOLISHED, REMOVE AN ASSOCIATED CONDENSATE DRAIN PIPING BACK TO THE NEAREST ACTIVE CONNECTION OR POINT OF TERMINATION. REFER TO P-SERIES DRAWINGS FOR SANITARY PIPING DEMOLITION.

J. REFER TO P-SERIES DRAWINGS FOR SANITARY PIPING DEMOLITION.

X DEMOLITION NOTES:

1. DISCONNECT AND REMOVE PIPING BACK TO MAIN. CAP AND SEAL WATERTIGHT.
2. DISCONNECT AND REMOVE PIPING BACK TO INDICATED POINT. PREP FOR CONNECTION TO NEW.
3. REMOVE EXISTING REHEAT COIL, ASSOCIATED PIPING, CONTROLS, AND ACCESSORIES.
4. DISCONNECT AND REMOVE THE EXISTING REFRIGERANT PIPING BETWEEN THE COMPRESSOR AND THE EVAPORATOR.
5. DISCONNECT AND REMOVE EXISTING REHEAT COIL AND ALL ASSOCIATED COIL VALVES AND SPECIALTIES. ISOLATION VALVES CAN REMAIN FOR RE-USE. EXISTING CONTROLS TO REMAIN FOR RE-USE. DISCONNECT CONTROL WIRING AND PREP FOR CONNECTION TO NEW.
6. DISCONNECT AND REMOVE EXISTING PIPING AS REQUIRED TO ACCOMMODATE COIL AND VALVE REPLACEMENT.
7. DISCONNECT AND REMOVE PIPING BACK TO THE ISOLATION VALVE AT THE MAIN. CAP AND SEAL WATERTIGHT.
9. EXISTING TO REMAIN AIR HANDLING UNIT SERVES THE LOADING DOCK OFFICES AND ELEVATOR MACHINE ROOM IN ADDITION OT THE SPACES BEING RENOVATED AS PART OF PHASE 2.
10. DISCONNECT AND REMOVE EXISTING REHEAT COIL AND ALL ASSOCIATED PIPING AND CONTROLS.
11. DISCONNECT AND REMOVE PIPING BACK TO INDICATED POINT. CAP AND SEAL WATERTIGHT.
12. DISCONNECT AND REMOVE EXISTING STEAM RADIATOR AND ALL ASSOCIATED PIPING AND CONTROLS.
13. DISCONNECT AND REMOVE EXISTING WINDOW AC UNIT COMPLETE.
14. DISCONNECT AND REMOVE EXISTING FAN COIL UNIT AND ALL ASSOCIATED PIPING AND CONTROLS.
15. DISCONNECT AND REMOVE EXISTING AIR HANDLING UNIT AND ALL ASSOCIATED PIPING AND CONTROLS.
16. DISCONNECT AND REMOVE EXISTING REFRIGERATION UNIT AND ALL ASSOCIATED PIPING AND CONTROLS.
17. DISCONNECT AND REMOVE EXISTING CONDENSING UNIT AND ALL ASSOCIATED PIPING AND CONTROLS.
18. DISCONNECT AND REMOVE EXISTING CHILLED WATER PIPING COMPLETE.
19. DISCONNECT AND REMOVE EXISTING REFRIGERANT PIPING COMPLETE.
20. DISCONNECT AND REMOVE PIPING BACK TO EXISTING FLANGE AT INDICATED POINT. PREP FOR CONNECTION TO NEW.
21. EXISTING PH.1 CHWS/R, GHWS/R, RHHWS/R, PCHWS/R, HHWS/R PIPING DOWN.

RENOVATE PLANT SCIENCE BUILDING - PHASE 2

SUCF Project No. 161026-00

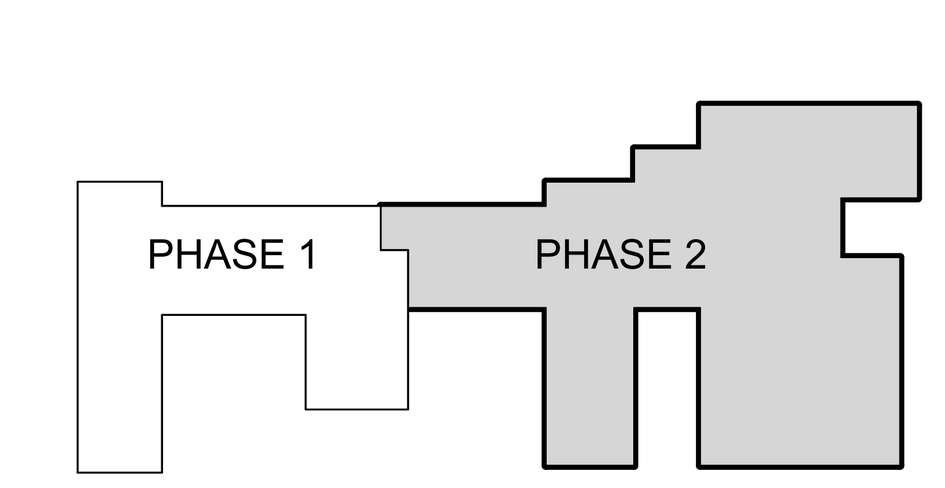
236 Tower Road
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SUNY State University Construction Fund

Ellenzweig Architecture | Planning	230 Congress Street Boston, MA 02110 T 617 491-5575
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Hastings Consulting Building Code	142 Hanlon Rd Holliston, MA 01746 T 508 397-8417
Ellana Cost Consulting	32 Broadway, Suite 801 New York, NY 10004 T 212971-0936

Notes:



Keyplan

Job Number	31909.00
Drawing By	ZMH
Checked By	NMT
Filename	
Date	August 31, 2026

Revisions

A	Addendum No. 2	10/29/2026
B	Addendum No. 3	11/04/2026
C	Addendum No. 4	11/12/2026

MECHANICAL GROUND FLOOR PIPING DEMOLITION PLAN - PHASE 2

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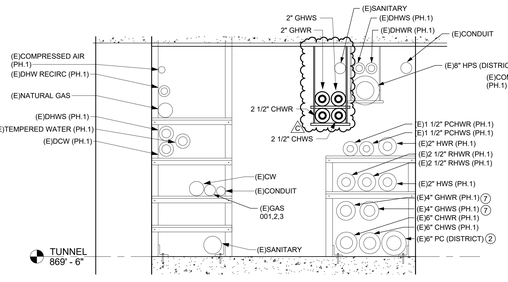
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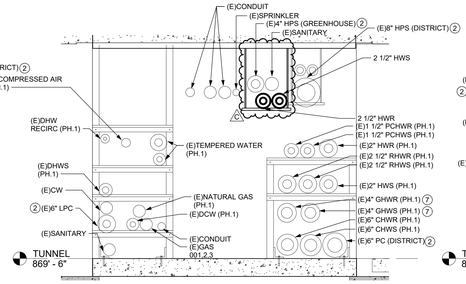
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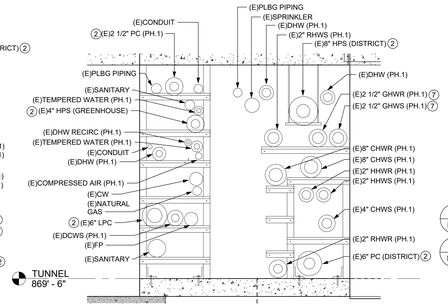
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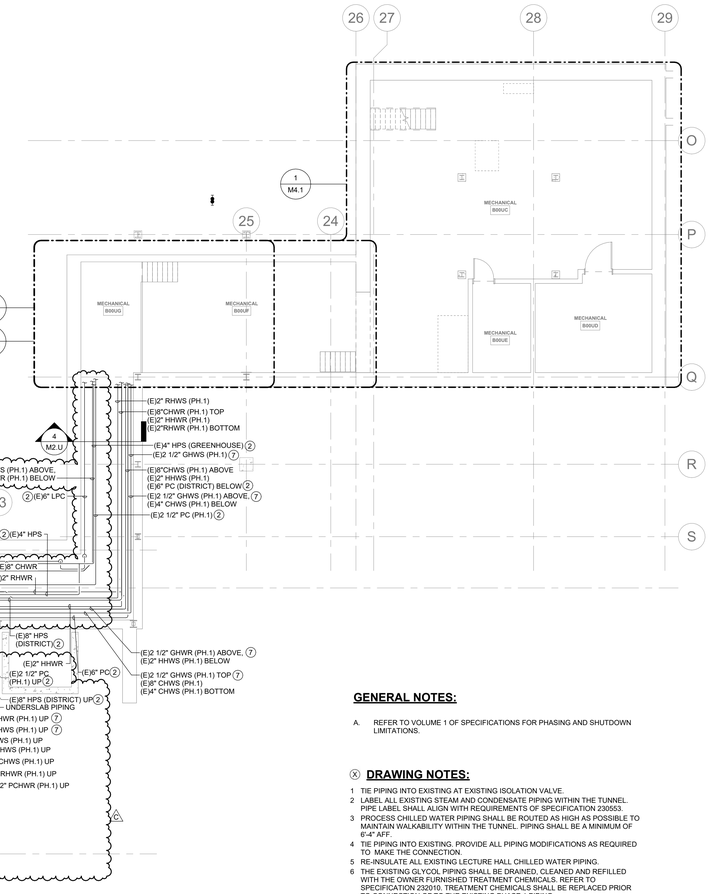
3 N/S TUNNEL SECTION
NOT TO SCALE

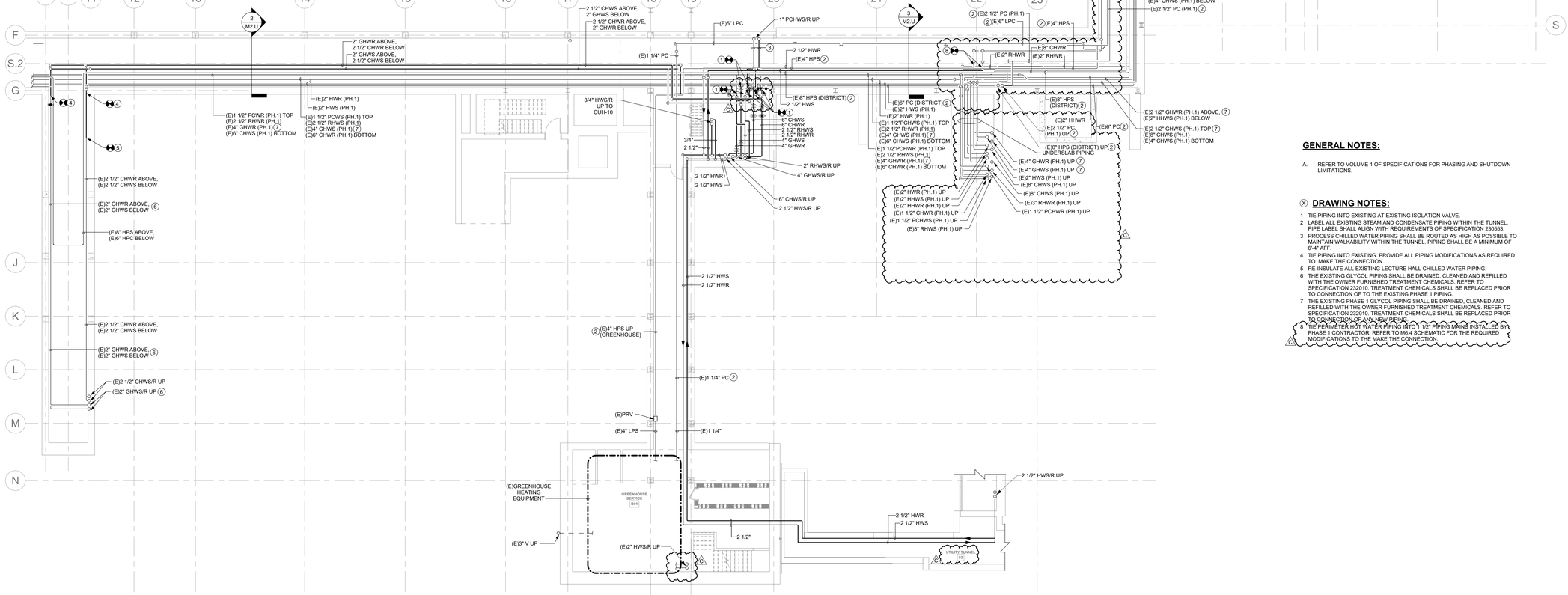


2 N/S TUNNEL SECTION 2
NOT TO SCALE



4 E/W TUNNEL SECTION
NOT TO SCALE





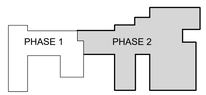
1 MECHANICAL TUNNEL PIPING PLAN - PHASE 2
1/8" = 1'-0"

GENERAL NOTES:

A. REFER TO VOLUME 1 OF SPECIFICATIONS FOR PHASING AND SHUTDOWN LIMITATIONS.

ⓧ DRAWING NOTES:

1 TIE PIPING INTO EXISTING AT EXISTING ISOLATION VALVE.
2 LABEL ALL EXISTING STEAM AND CONDENSATE PIPING WITHIN THE TUNNEL. PIPE LABEL SHALL ALIGN WITH REQUIREMENTS OF SPECIFICATION 230553.
3 PROCESS CHILLED WATER PIPING SHALL BE ROUTED AS HIGH AS POSSIBLE TO MAINTAIN WALKABILITY WITHIN THE TUNNEL. PIPING SHALL BE A MINIMUM OF 6'-4" AFF.
4 TIE PIPING INTO EXISTING. PROVIDE ALL PIPING MODIFICATIONS AS REQUIRED TO MAKE THE CONNECTION.
5 RE-INSULATE ALL EXISTING LECTURE HALL CHILLED WATER PIPING.
6 THE EXISTING GLYCOL PIPING SHALL BE DRAINED, CLEANED AND REFILLED WITH THE OWNER FURNISHED TREATMENT CHEMICALS. REFER TO SPECIFICATION 232010. TREATMENT CHEMICALS SHALL BE REPLACED PRIOR TO CONNECTION OF TO THE EXISTING PHASE 1 PIPING.
7 THE EXISTING PHASE 1 GLYCOL PIPING SHALL BE DRAINED, CLEANED AND REFILLED WITH THE OWNER FURNISHED TREATMENT CHEMICALS. REFER TO SPECIFICATION 232010. TREATMENT CHEMICALS SHALL BE REPLACED PRIOR TO CONNECTION OF ANY NEW PIPING.
A 8 TIE PERIMETER HOT WATER PIPING INTO 1 1/2" PIPING MAINS INSTALLED BY PHASE 1 CONTRACTOR. REFER TO M5.4 SCHEMATIC FOR THE REQUIRED MODIFICATIONS TO THE MAKE THE CONNECTION.



Keyplan

Job Number 31909.00
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Checked By NMT
Filename
Date August 31, 2026

Revisions
C Addendum No. 4 11/12/2026

MECHANICAL TUNNEL PIPING PLAN - PHASE 2

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Scale: As indicated

M2.U

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SUCF Project No. 161026-00
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Notes:

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GENERAL NOTES:

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B. ALL BRANCH PIPING CONNECTIONS SHALL BE MADE AT THE TOP OF THE MAIN.

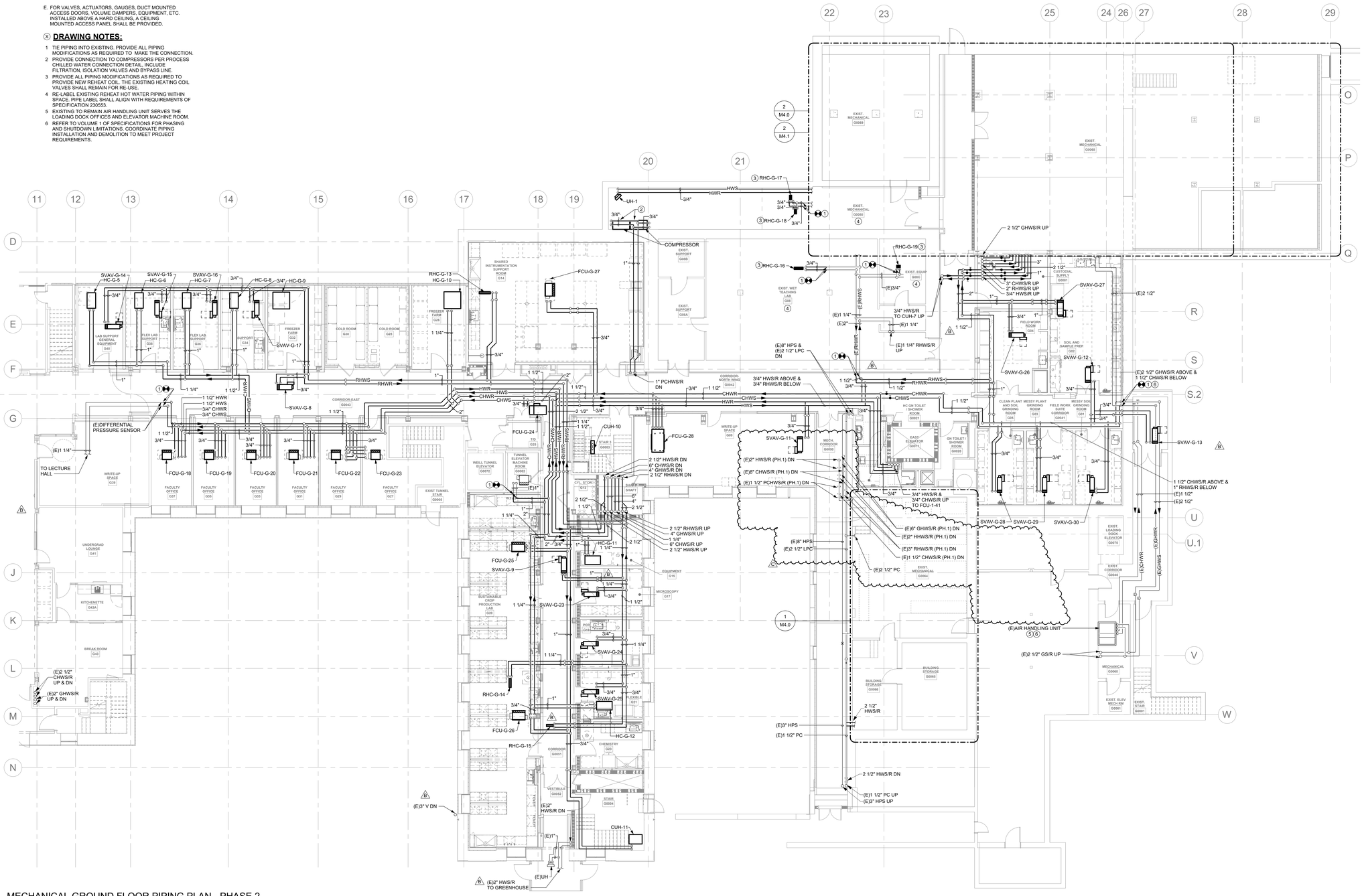
C. REFER TO DUCTWORK PLANS FOR ROUTING OF CORROSIVE CABINET VENT PIPING.

D. REFER TO DUCTWORK PLANS FOR ROUTING OF FLAMMABLE CABINET VENT PIPING.

E. FOR VALVES, ACTUATORS, GAUGES, DUCT MOUNTED ACCESS DOORS, VOLUME DAMPERS, EQUIPMENT, ETC. INSTALLED ABOVE A HARD CEILING, A CEILING MOUNTED ACCESS PANEL SHALL BE PROVIDED.

ⓧ DRAWING NOTES:

1. TIE PIPING INTO EXISTING. PROVIDE ALL PIPING MODIFICATIONS AS REQUIRED TO MAKE THE CONNECTION.
2. PROVIDE CONNECTION TO COMPRESSORS PER PROCESS CHILLED WATER CONNECTION DETAIL, INCLUDE FILTRATION, ISOLATION VALVES AND BYPASS LINE.
3. PROVIDE ALL PIPING MODIFICATIONS AS REQUIRED TO PROVIDE NEW REHEAT COIL. THE EXISTING HEATING COIL VALVES SHALL REMAIN FOR RE-USE.
4. RE-LABEL EXISTING REHEAT HOT WATER PIPING WITHIN SPACE. PIPE LABEL SHALL ALIGN WITH REQUIREMENTS OF SPECIFICATION 230553.
5. EXISTING TO REMAIN AIR HANDLING UNIT SERVES THE LOADING DOCK OFFICES AND ELEVATOR MACHINE ROOM.
6. REFER TO VOLUME 1 OF SPECIFICATIONS FOR PHASING AND SHUTDOWN LIMITATIONS. COORDINATE PIPING INSTALLATION AND DEMOLITION TO MEET PROJECT REQUIREMENTS.



1 MECHANICAL GROUND FLOOR PIPING PLAN - PHASE 2
1/8" = 1'-0"

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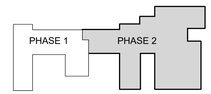
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Revisions

B	Addendum No. 3	11/04/2026
C	Addendum No. 4	11/12/2026

MECHANICAL GROUND FLOOR PIPING PLAN - PHASE 2

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GENERAL NOTES:

A. UNLESS NOTED OTHERWISE, ALL BRANCH PIPING TO EQUIPMENT SHALL BE 3/4".

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C. REFER TO DUCTWORK PLANS FOR ROUTING OF CORROSIVE CABINET VENT PIPING.

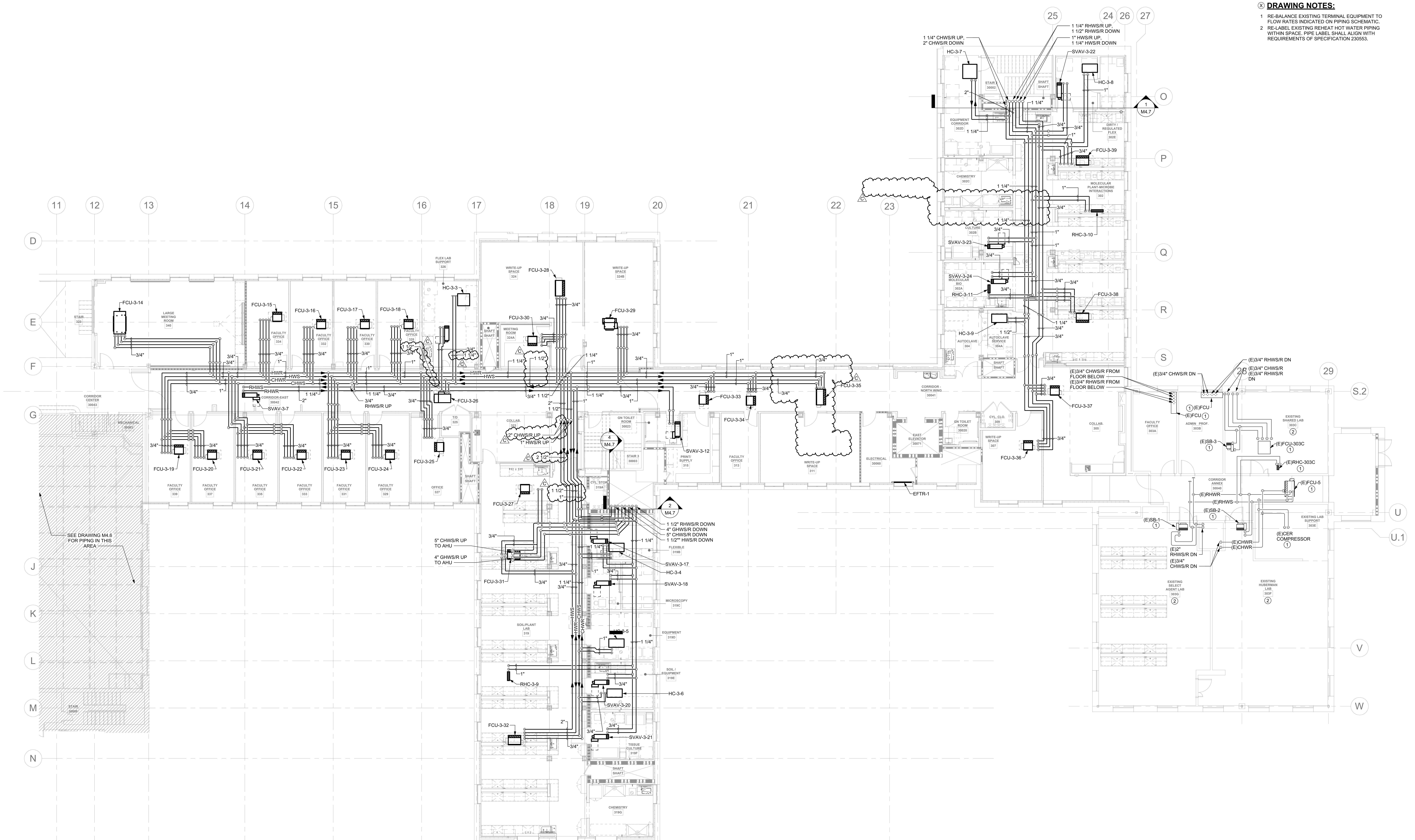
D. REFER TO DUCTWORK PLANS FOR ROUTING OF FLAMMABLE CABINET VENT PIPING.

E. FOR VALVES, ACTUATORS, GAUGES, DUCT MOUNTED ACCESS DOORS, VOLUME DAMPERS, EQUIPMENT, ETC. INSTALLED ABOVE A HARD CEILING, A CEILING MOUNTED ACCESS PANEL SHALL BE PROVIDED.

(X) DRAWING NOTES:

1 RE-BALANCE EXISTING TERMINAL EQUIPMENT TO FLOW RATES INDICATED ON PIPING SCHEMATIC.

2 RE-LABEL EXISTING REHEAT HOT WATER PIPING WITHIN SPACE. PIPE LABEL SHALL ALIGN WITH REQUIREMENTS OF SPECIFICATION 230553.



1 MECHANICAL THIRD FLOOR PIPING PLAN - PHASE 2
1/8" = 1'-0"

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Notes:

PHASE 1 PHASE 2

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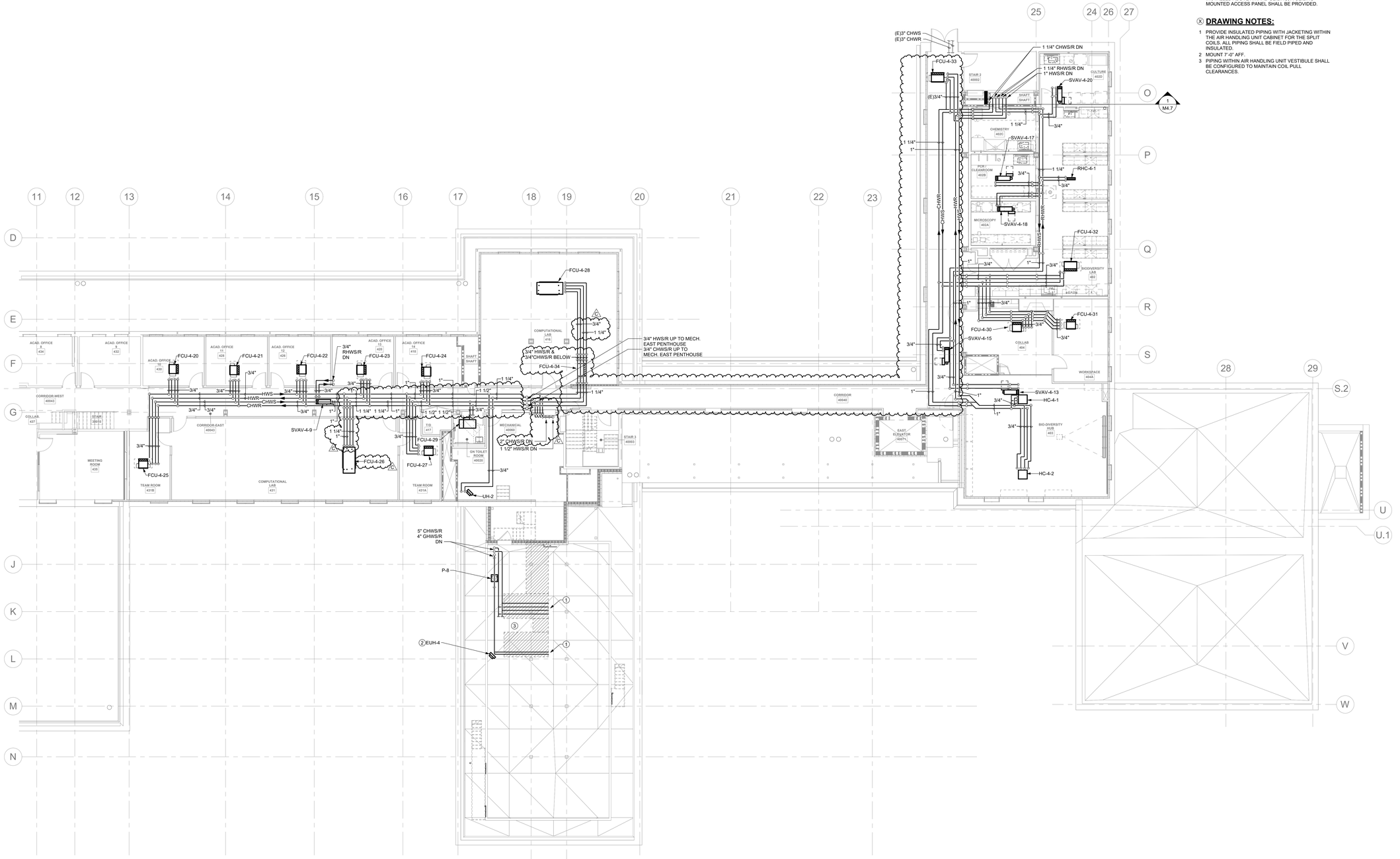
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1 MECHANICAL FOURTH FLOOR PIPING PLAN - PHASE 2
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GENERAL NOTES:

A. UNLESS NOTED OTHERWISE, ALL BRANCH PIPING TO EQUIPMENT SHALL BE 3/4".

B. ALL BRANCH PIPING CONNECTIONS SHALL BE MADE AT THE TOP OF THE MAIN.

C. REFER TO DUCTWORK PLANS FOR ROUTING OF CORROSIVE CABINET VENT PIPING.

D. REFER TO DUCTWORK PLANS FOR ROUTING OF FLAMMABLE CABINET VENT PIPING.

E. FOR VALVES, ACTUATORS, GAUGES, DUCT MOUNTED ACCESS DOORS, VOLUME DAMPERS, EQUIPMENT, ETC. INSTALLED ABOVE A HARD CEILING, A CEILING MOUNTED ACCESS PANEL SHALL BE PROVIDED.

(X) DRAWING NOTES:

1 PROVIDE INSULATED PIPING WITH JACKETING WITHIN THE AIR HANDLING UNIT CABINET FOR THE SPLIT COILS. ALL PIPING SHALL BE FIELD PIPED AND INSULATED.
2 MOUNT 7'-0" AFF.
3 PIPING WITHIN AIR HANDLING UNIT VESTIBULE SHALL BE CONFIGURED TO MAINTAIN COIL PULL CLEARANCES.

RENOVATE PLANT SCIENCE BUILDING - PHASE 2
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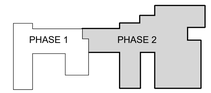
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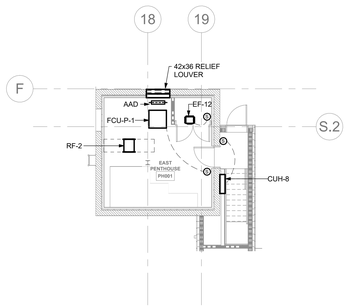
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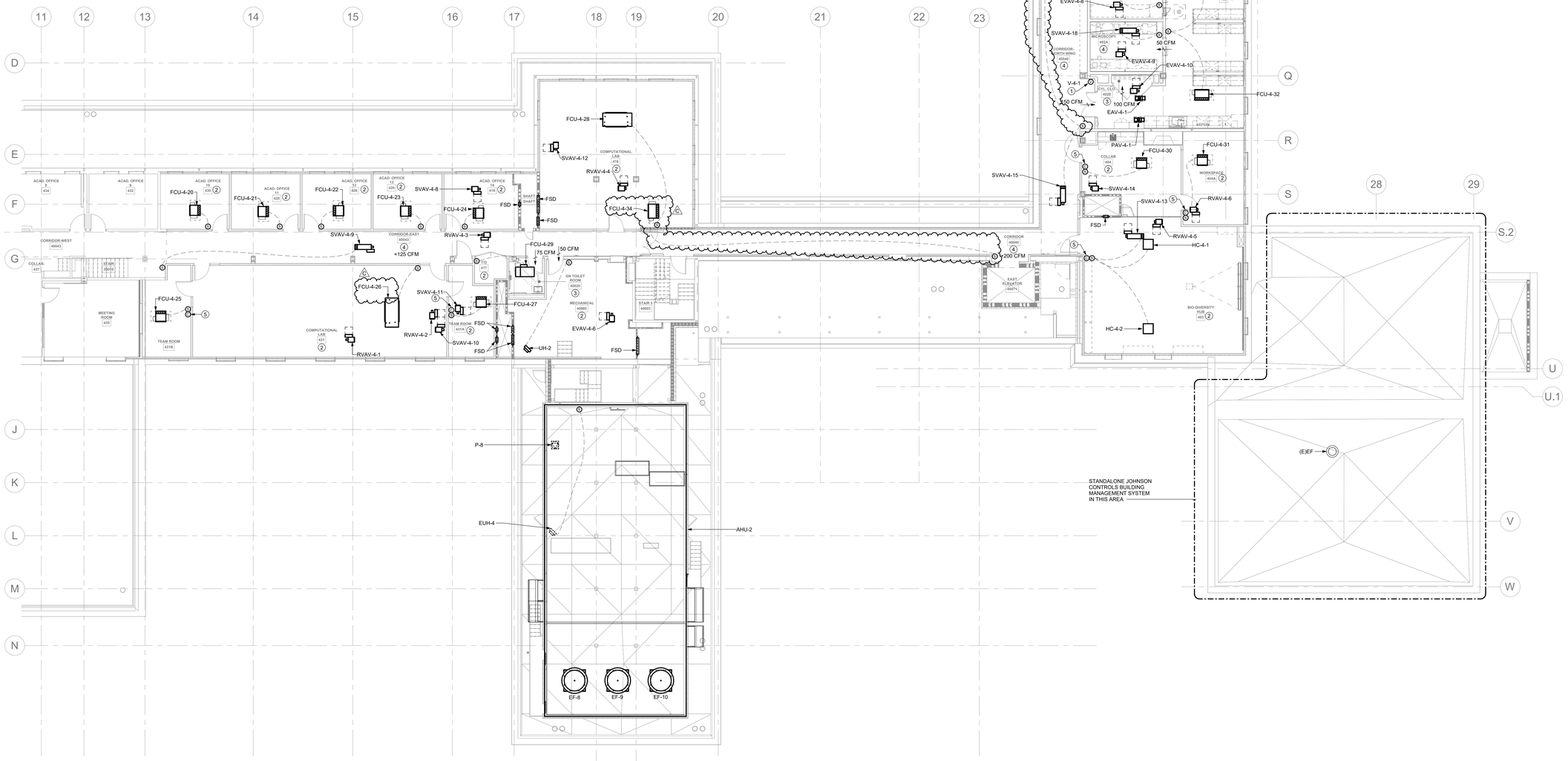
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2 MECHANICAL EAST PENTHOUSE CONTROLS PLAN - PHASE 2
1/8" = 1'-0"



1 MECHANICAL FOURTH FLOOR CONTROLS AND PRESSURIZATION PLAN - PHASE 2
1/8" = 1'-0"

GENERAL NOTES:

A. COORDINATE EXACT LOCATION OF VENTILATION SHUTDOWN SWITCHES AND SPACE SENSORS WITH A-SERIES DRAWINGS.

B. REFER TO E-SERIES DRAWINGS FOR OCCUPANCY SENSOR LOCATIONS. OCCUPANCY SENSORS ARE PROVIDED BY DIVISION 26. CONTROL WIRING FROM OCCUPANCY SENSOR TO BACS CONTROLLER SHALL BE PROVIDED BY DIVISION 23.

C. SUBMIT PROPOSED LOCATIONS FOR BMS PANELS. PANELS SHALL BE CONCEALED ABOVE THE CEILING OR LOCATED WITHIN MECHANICAL / ELECTRICAL SPACE.

D. POWER SHALL BE EXTENDED FROM JUNCTION BOXES, PROVIDED BY DIVISION 26, TO BMS PANELS BY DIVISION 23. REFER TO E-SERIES DRAWINGS FOR JUNCTION BOXES AND CIRCUITS INTENDED FOR BMS PANELS.

E. PROVIDE BMS MONITORING ALL COMBINATION FIRE SMOKE DAMPERS OR SMOKE DAMPERS. REFER TO PLANS FOR LOCATIONS.

F. PROVIDE COMBINATION SPACE TEMPERATURE AND HUMIDITY SENSOR FOR TEMPERATURE CONTROL IN ALL SPACES SERVED BY HEATING/COOLING EQUIPMENT.

G. FOR VALVES, ACTUATORS, GAUGES, DUCT MOUNTED ACCESS DOORS, VOLUME DAMPERS, EQUIPMENT, ETC. INSTALLED ABOVE A HARD CEILING, A CEILING MOUNTED ACCESS PANEL SHALL BE PROVIDED.

Ⓧ DRAWING NOTES:

1 PROVIDE FLUSH MOUNTED BREAK GLASS VENTILATION SHUT-OFF SWITCH. HARDWIRE TO ALL CONTROLLERS. REFER TO SCHEDULE FOR ZONES SERVED BY EACH SWITCH.
2 NEUTRAL PRESSURIZATION
3 NEGATIVE PRESSURIZATION
4 POSITIVE PRESSURIZATION
5 PROVIDE COMBINATION SENSOR WITH CO2 MONITORING.

SHUTDOWN SWITCH SCHEDULE

UNIT NO.	SERVICE
V-4-1	402, 402A, 402B, 402C, 402D, 402E

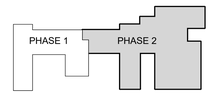
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Notes:



Keyplan

Job Number	31909.00
Drawing By	ZMH
Checked By	NMT
Filename	
Date	August 31, 2026

Revisions

C	Addendum No. 4	11/12/2026

MECHANICAL FOURTH FLOOR PRESSURIZATION & CONTROLS PLAN - PHASE 2

BID DOCUMENTS
Scale: 1/8" = 1'-0"



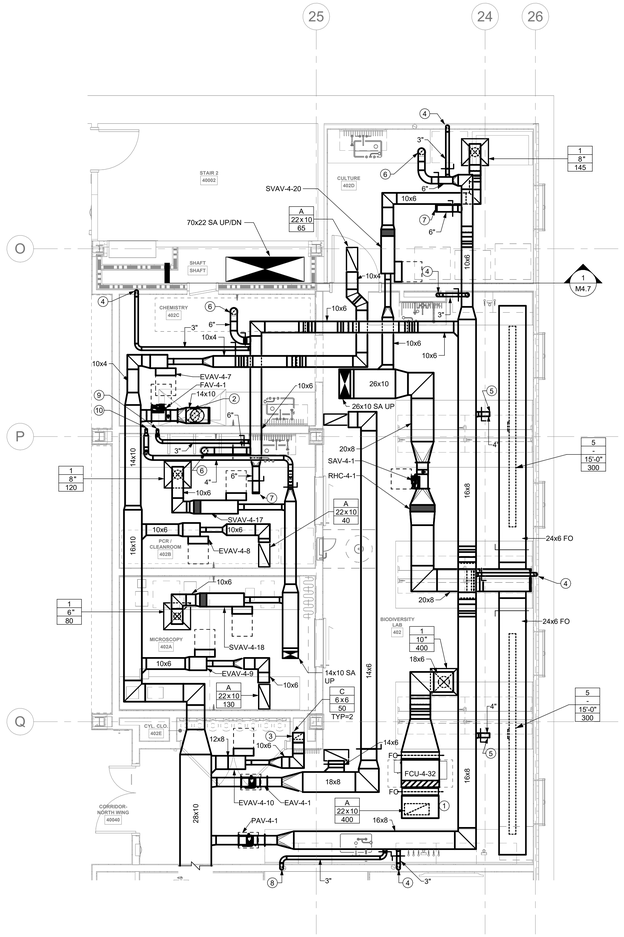
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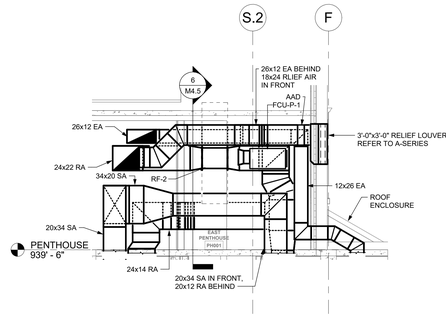
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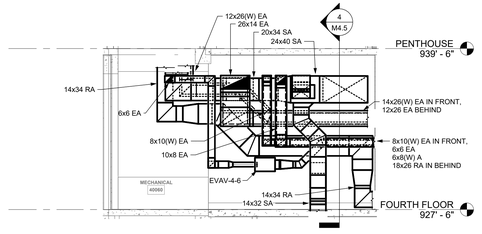
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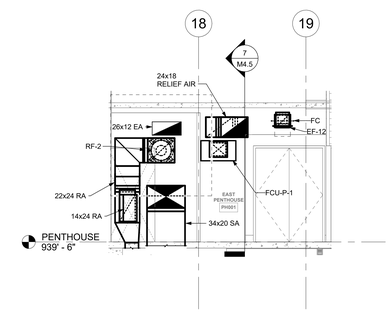
1 ENLARGED MECHANICAL FOURTH FLOOR DUCTWORK PLAN - NORTH WING - PHASE 2
1/4" = 1'-0"



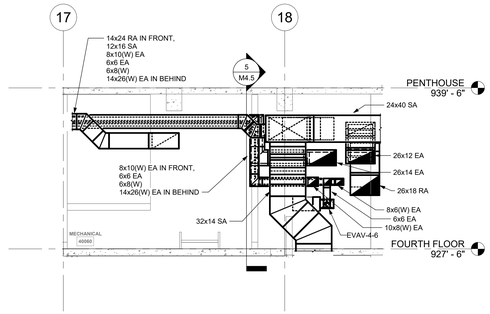
7 ENLARGED MECHANICAL NORTH/SOUTH PENTHOUSE SECTION - PHASE 2
1/4" = 1'-0"



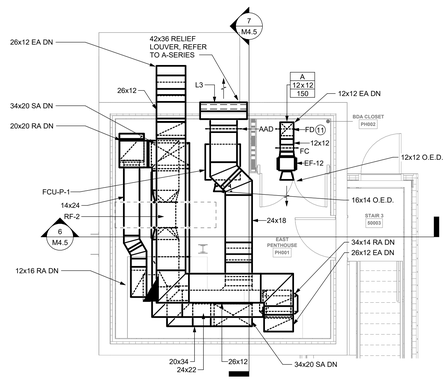
5 ENLARGED FOURTH FLOOR MECHANICAL NORTH/SOUTH SECTION - PHASE 2
1/4" = 1'-0"



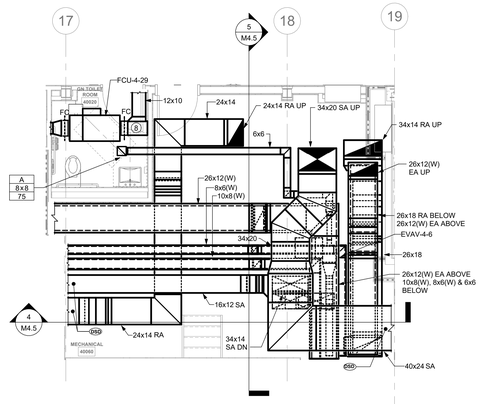
6 ENLARGED MECHANICAL EAST/WEST PENTHOUSE SECTION - PHASE 2
1/4" = 1'-0"



4 ENLARGED FOURTH FLOOR MECHANICAL EAST/WEST SECTION - PHASE 2
1/4" = 1'-0"



2 ENLARGED MECHANICAL EAST PENTHOUSE DUCTWORK PLAN - PHASE 2
1/4" = 1'-0"



3 ENLARGED FOURTH FLOOR MECHANICAL ROOM DUCTWORK PLAN - PHASE 2
1/4" = 1'-0"

GENERAL NOTES:

A. BALANCE VENTILATION AIR TO EACH FAN COIL PER AIRFLOW LISTED IN FAN COIL UNIT SCHEDULE ON SCHEDULES SHEET.

B. THE DUCTWORK AT THE VAV AND AIR VALVE INLET AND OUTLET SHALL MATCH THE SIZES SHOWN ON THE EQUIPMENT SCHEDULE.

C. SMOKE DAMPER REMOTE TEST SWITCH SHALL BE COORDINATED WITH THE LOCATION OF THE DUCT SMOKE DETECTOR TEST/STATUS DEVICE AND LOCATED IN AN ACCESSIBLE LOCATION.

D. UNLESS OTHERWISE INDICATED, ALL LABORATORY EXHAUST IS LOCATED WITHIN THE LAB SUITE/CONTROL AREA IT SERVES AND DOES NOT REQUIRE FIRE WRAP.

E. PROVIDE 3" STAINLESS STEEL SHOE TAP, VOLUME DAMPER OR BLAST GATE AND IPS FEMALE THREADED CONNECTION AT EACH CORROSIVE CABINET EXHAUST VENT CONNECTION TO THE DUCTWORK MAIN. FROM THE CORROSIVE CABINET TO THE THREADED CONNECTION SHALL BE POLYPROPYLENE PER THE PIPING SYSTEMS SPECIFICATION.

F. PROVIDE 3" GALVANIZED STEEL SHOE TAP, VOLUME DAMPER OR BLAST GATE AND IPS FEMALE THREADED CONNECTION AT EACH FLAMMABLE CABINET EXHAUST VENT CONNECTION TO THE DUCTWORK MAIN. FROM THE FLAMMABLE CABINET TO THE THREADED CONNECTION SHALL BE SCHEDULE 40 STEEL PER THE PIPING SYSTEMS SPECIFICATION.

G. PROVIDE 3" GALVANIZED STEEL IPS FEMALE THREADED CONNECTION AT EACH FLAMMABLE CABINET SUPPLY VENT 4" REDUCER. FROM THE FLAMMABLE CABINET TO THE THREADED CONNECTION SHALL BE SCHEDULE 40 STEEL PER THE PIPING SYSTEMS SPECIFICATION.

H. POINT OF EXHAUST DUCTWORK IS SIZED FOR 80 CFM. POINT OF USE EXHAUST SYSTEM IS SIZED WITH DIVERSITY. REFER TO LABORATORY AIRFLOW SCHEDULES FOR SYSTEM CAPACITY.

I. FOR VALVES, ACTUATORS, GAUGES, DUCT MOUNTED ACCESS DOORS, VOLUME DAMPERS, EQUIPMENT, ETC. INSTALLED ABOVE A HARD CEILING, A CEILING MOUNTED ACCESS PANEL SHALL BE PROVIDED.

J. PROVIDE 3" STAINLESS STEEL SHOE TAP AND VOLUME DAMPER OR BLAST GATE AT EACH VACUUM CABINET EXHAUST VENT CONNECTION TO THE DUCTWORK MAIN. THE DUCTWORK FROM THE VACUUM PUMP CABINET TO THE MAINS SHALL BE STAINLESS STEEL.

DRAWING NOTES:

1 FAN COIL UNIT RETURN PLENUM SHALL MATCH UNIT CONNECTION SIZE. PLENUM HEIGHT SHALL BE INCREASED AS REQUIRED TO ACCOMMODATE DUCTWORK CONNECTIONS.
2 PROVIDE FLEXIBLE DUCTWORK CONNECTION AT ADJUSTABLE HEIGHT, ACCESSIBLE FUME HOOD. REFER TO DETAILS FOR FURTHER REQUIREMENTS.
3 PROVIDE EXHAUST DUCTWORK DOWN TO FINISHED FLOOR WITHIN CHASE. MOUNT (1) ONE EXHAUST GRILLE 6" AFF AND (1) ONE TIGHT TO CEILING.
4 3" EXHAUST DOWN TO VACUUM PUMP CABINET. VENT SHALL BE CONCEALED WITHIN WALL CAVITY OR LAB BENCH SERVICE CHASE. BALANCE TO 30 CFM. REFER TO DETAIL FOR CABINET CONNECTION REQUIREMENTS.
5 3" POINT OF USE EXHAUST DUCT TERMINATED THROUGH SOFFIT PER DETAIL ON DRAWING A10.54 AND M7.4. REFER TO A-SERIES DRAWINGS FOR ADDITIONAL INFORMATION. DUCTWORK SHALL BE CAPPED, UNLESS CAMPUS PROVIDES AIRFLOW SETPOINT PRIOR TO BALANCING.
6 3" POINT OF USE EXHAUST DUCT TERMINATED THROUGH CEILING PER DETAIL ON DRAWING A10.53 AND M7.4. TRANSITION FROM 6" TO 3" PRIOR TO CEILING PENETRATION. DUCTWORK SHALL BE CAPPED, UNLESS CAMPUS PROVIDES AIRFLOW SETPOINT PRIOR TO BALANCING.
7 6" POINT OF USE EXHAUST DUCT TAP FOR FUTURE. CAP AIR TIGHT.
8 3" EXHAUST DOWN TO CORROSIVE CABINET. VENT SHALL BE CONCEALED WITHIN WALL CAVITY OR LAB BENCH SERVICE CHASE. BALANCE TO 10 CFM.
9 2" EXHAUST DOWN TO FLAMMABLE CABINET. VENT SHALL BE CONCEALED WITHIN WALL CAVITY. AT THE WALL PENETRATION, DUCTWORK SHALL TRANSITION FROM 2" TO 4". BALANCE TO 25 CFM. REFER TO DRAWING A10.54 AND M7.4 FOR CABINET CONNECTION REQUIREMENTS.
10 2" SUPPLY DOWN TO FLAMMABLE CABINET. DUCT SHALL BE CONCEALED WITHIN WALL CAVITY. AT THE WALL PENETRATION, DUCTWORK SHALL TRANSITION FROM 2" TO 4". BALANCE TO 25 CFM. REFER TO DRAWING A10.54 AND M7.4 FOR CABINET CONNECTION REQUIREMENTS.
11 PROVIDE FIRE DAMPER AT 2-HR RATED CEILING PENETRATION.

RENOVATE PLANT SCIENCE BUILDING - PHASE 2
SUCF Project No. 161026-00

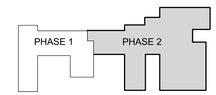
236 Tower Road
Ithaca, NY 14853

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SUNY State University Construction Fund

Ellenzweig Architecture | Planning	230 Congress Street Boston, MA 02110 T 617 491-5575
Ryan Biggs Clark Davis Structural Engineers	257 Ushers Road Clifton Park, NY 12065 T 518 406-5506
Salas O'Brien Consulting & Engineering Group of NY, Inc. Mechanical Engineers	300 Trolley Blvd. Rochester, NY 14606 T 585 288-5590
Jade Stone Engineering Electrical Engineers	444 Vanduzee St. Watertown, NY 13601 T 315 836 4062
Watson Engineering Plumbing	4500 State Route 434 Apalachin, NY 13732 T 607 223-4334
DM Engineers Fire Protection Engineers	1007 Yonkers Ave Yonkers, NY 10704 T 929 333-2339
Bell & Spina Building Envelope	215 Wyoming Street S Syracuse, NY 13204 T 315 488-0377
Environ. Design & Research Historic Preservation, Landscape, Civil Engineering	217 Montgomery St, Suite 1000 Syracuse, NY 13202 T 315 471-0688
Schuler Shook Lighting Design	240 W 40th Street, 2nd Floor New York, NY 10018 T 212 439-5650
D2D Green Design Sustainability PH2	10 Hallenbeck Hill East Greenbush, NY 12061 T 518 729-2967
Shen Milsom & Wilke Acoustics, IT, AV, Security	417 Fifth Avenue New York, NY 10016 T 212 725-6800
Watts Architects & Engineers Asbestos, Haz Mat	95 Perry Street, Suite 300 Buffalo, NY 14203 T 716 206-5122
Hastings Consulting Building Code	142 Hanlon Rd Holliston, MA 01746 T 508 397-8417
Ellana Cost Consulting	32 Broadway, Suite 801 New York, NY 10004 T 212971-0936

Notes:



Keyplan

Job Number 31909.00
Drawing By ZMH
Checked By NMT
Filename
Date August 31, 2026

Revisions

C	Addendum No. 4	11/12/2026

ENLARGED MECHANICAL FOURTH FLOOR DUCTWORK PLANS - PHASE 2



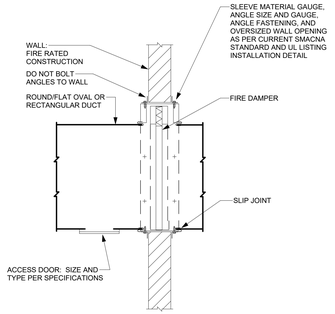
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Scale: As indicated

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DETAIL NOTES:

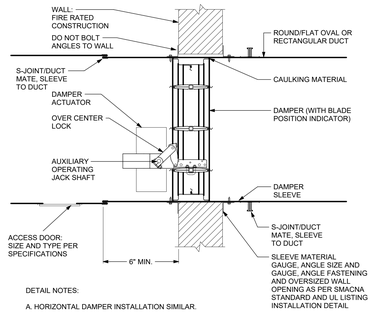
A. HORIZONTAL AND 80% FREE AREA DAMPER INSTALLATION SIMILAR.

B. FOR DOUBLE WALL DUCT, USE INSULATION END CAP AND INSULATE SLEEVE.

C. FOR FIRE DAMPERS TO BE PROVIDED IN EXISTING OR NEW DUCTS PENETRATING EXISTING WALLS, THIS CONTRACTOR IS REQUIRED TO REFRAME AND RECONSTRUCT THE EXISTING WALL PENETRATION AND FRAMING AS PER SMACNA FIRE DAMPER OPENING PROTOCOL DETAIL FIG. 3-1 (FIRE DAMPER GUIDE) AS WELL AS MANUFACTURER AND UL LISTING INSTALLATION DETAIL.

D. MOUNT ACCESS DOOR IN SECTION OF REMOVABLE DUCT WHEN ACCESS DOOR IS LESS THAN 12 IN. BY 12 IN.

1 FIRE DAMPER INSTALLATION DETAIL
NTS



DETAIL NOTES:

A. HORIZONTAL DAMPER INSTALLATION SIMILAR.

B. FOR DOUBLE WALL DUCT, USE INSULATION END CAP. INSULATE SLEEVE.

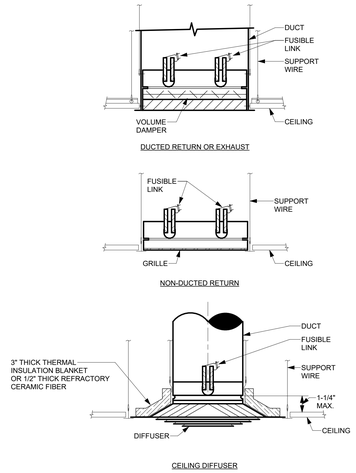
C. ACTUATOR SHALL BE MOUNTED OUTSIDE OF THE AIR STREAM AND MAY BE PLACED IN MULTIPLE LOCATIONS (I.E. BEFORE OR AFTER DAMPER).

D. FOR COMBINATION FIRE/SMOKE DAMPERS TO BE PROVIDED IN EXISTING OR NEW DUCTS PENETRATING EXISTING WALLS, THIS CONTRACTOR IS REQUIRED TO REFRAME AND RECONSTRUCT THE EXISTING WALL PENETRATION AND FRAMING AS PER SMACNA FIRE DAMPER OPENING PROTOCOL DETAIL FIG. 3-1 (FIRE DAMPER GUIDE) AS WELL AS MANUFACTURER AND UL LISTING INSTALLATION DETAIL.

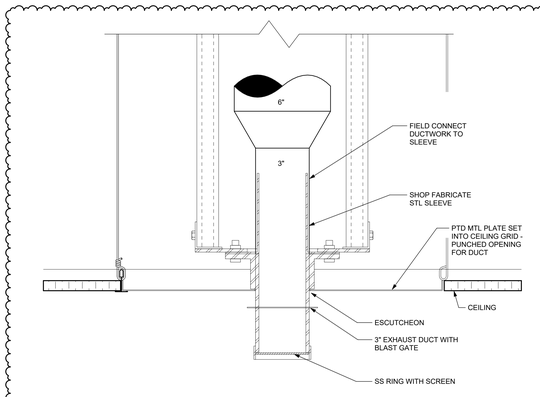
E. THE DAMPER REMOTE TEST SWITCH AND DAMPER POSITION INDICATOR SHALL BE LOCATED NEXT TO THE SMOKE DETECTOR REMOTE TEST STATION.

F. MOUNT ACCESS DOOR IN SECTION OF REMOVABLE DUCT WHEN ACCESS DOOR IS LESS THAN 12 IN. BY 12 IN.

2 COMBINATION FIRE/SMOKE DAMPER INSTALLATION DETAIL
NTS



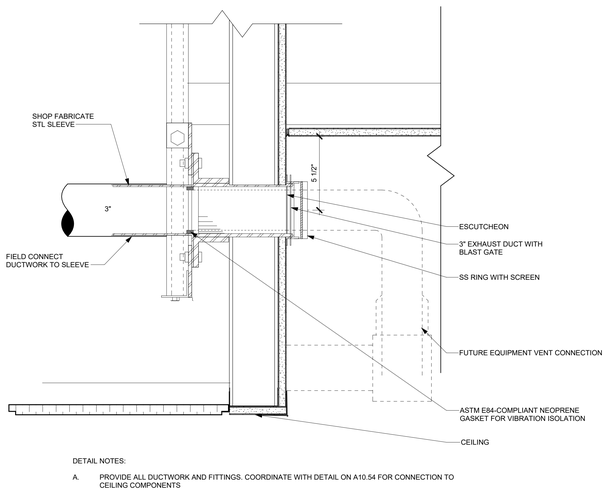
3 FIRE DAMPER AT CEILING PENETRATION DETAIL
NTS



DETAIL NOTES:

A. PROVIDE ALL DUCTWORK AND FITTINGS. COORDINATE WITH DETAIL ON A10.53 FOR CONNECTION TO CEILING COMPONENTS

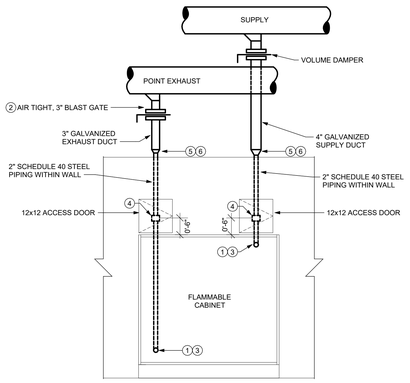
4 POINT OF USE EXHAUST TERMINATED THROUGH CEILING DETAIL
NTS



DETAIL NOTES:

A. PROVIDE ALL DUCTWORK AND FITTINGS. COORDINATE WITH DETAIL ON A10.54 FOR CONNECTION TO CEILING COMPONENTS

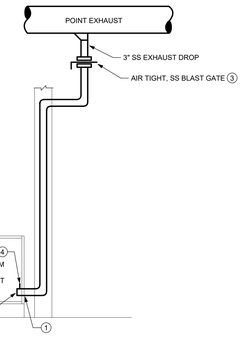
5 POINT OF USE EXHAUST TERMINATED THROUGH SOFFIT DETAIL
NTS



KEYED NOTES:

1. FLAME ARRESTOR AT CABINET VENT CONNECTION PROVIDED WITH CABINET.
2. MARK THE BLAST GATE WITH THE DAMPER POSITION REQUIRED FOR BALANCING. DAMPER SHALL BE USED FOR BOTH BALANCING AND ISOLATION.
3. CUSTOM REAR 2 IN. NPT SCHEDULE 40 STEEL CONNECTION PROVIDED WITH CABINET. REFER TO SHOP DRAWING FOR EXACT LOCATION.
4. FM APPROVED, THERMALLY ACTUATED CABINET VENT DAMPER WITH FUSIBLE LINK FURNISHED WITH CABINET. DAMPER SHALL BE INSTALLED IN VENTING DUCTWORK AS CLOSE AS POSSIBLE WITH THE CABINET CONNECTIONS AND CENTERED WITHIN THE ACCESS DOOR. DAMPER SHALL BE INSTALLED SO THE FUSIBLE LINK PARALLEL WITH THE CABINET.
5. PROVIDE 2" GALVANIZED STEEL IPS THREADED CONNECTION.
6. VENT CONNECTIONS SHOWN VERTICALLY FOR CLARITY. REDUCER SHALL BE WITHIN CEILING SPACE AT WALL PENETRATION PER FLOOR PLANS.

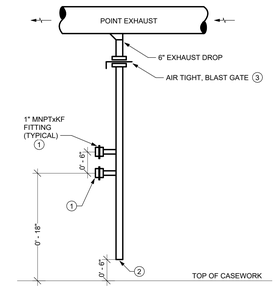
6 FLAMMABLE CABINET DETAIL
NTS



KEYED NOTES:

1. ROUTE DUCT THROUGH CABINET MANUFACTURER'S REAR CUTOUT. COORDINATE WITH CASEWORK SHOP DRAWINGS FOR EXACT LOCATION AND SIZE. VENT PIPING SHALL TERMINATE WITHIN THE CABINET TO ALLOW FOR CONNECTION OF TUBING FROM VACUUM PUMP.
2. TERMINATE OPEN ENDED EXHAUST DUCT WITH INSECT SCREEN.
3. MARK THE BLAST GATE WITH THE DAMPER POSITION REQUIRED FOR BALANCING. DAMPER SHALL BE USED FOR BOTH BALANCING AND ISOLATION.
4. PROVIDE 1/8" STAINLESS STEEL FNPT FITTING WELDED TO THE DUCTWORK TO ACCEPT 1/8 NPT FITTING FROM VACUUM PUMP SYSTEM. COORDINATE EXACT FITTING SIZE WITH VACUUM PUMP SUBMITTAL. TUBING TO VACUUM PUMP PROVIDED BY DIVISION 22.

7 VACUUM PUMP CABINET VENTING DETAIL
NTS



KEYED NOTES:

1. KF25 PORT FOR EQUIPMENT CONNECTION. COORDINATE EXACT HEIGHT AND ORIENTATION WITH LAB EQUIPMENT.
2. TERMINATE OPEN ENDED EXHAUST DUCT WITH INSECT SCREEN, 6" ABOVE TOP OF CASEWORK.
3. MARK THE BLAST GATE WITH THE DAMPER POSITION REQUIRED FOR BALANCING. DAMPER SHALL BE USED FOR BOTH BALANCING AND ISOLATION.

8 LAB 118 PROCESS EXHAUST VENTING DETAIL
NTS

RENOVATE PLANT SCIENCE BUILDING - PHASE 2
SUCF Project No. 161026-00
236 Tower Road
Ithaca, NY 14853

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Watson Engineering Plumbing	4500 State Route 434 Apalachin, NY 13732 T 607 223-4334
DM Engineers Fire Protection Engineers	1007 Yonkers Ave Yonkers, NY 10704 T 929 333-2339
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Schuler Shook Lighting Design	240 W 40th Street, 2nd Floor New York, NY 10018 T 212 439-5650
D2D Green Design Sustainability PH2	10 Hallenbeck Hill East Greenbush, NY 12061 T 518 729-2967
Shen Milsom & Wilke Acoustics, IT, AV, Security	417 Fifth Avenue New York, NY 10016 T 212 725-6800
Watts Architects & Engineers Asbestos, Haz Mat	95 Perry Street, Suite 300 Buffalo, NY 14203 T 716 206-5122
Hastings Consulting Building Code	142 Hanlon Rd Holliston, MA 01746 T 508 397-8417
Ellana Cost Consulting	32 Broadway, Suite 801 New York, NY 10004 T 212971-0936

Notes:

PHASE 1 PHASE 2

Keyplan

Job Number 31909.00
Drawing By ZMH
Checked By NMT
Filename
Date August 31, 2026

Revisions

C	Addendum No. 4	11/12/2026

MECHANICAL DETAILS - PHASE 2

STATE OF NEW YORK CASEY DANIEL DAVIS 094525 LICENSED PROFESSIONAL ENGINEER
Reg. Exp: 04/30/2029
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M7.4

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DRAWING LIST:

NUMBER	NAME
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TT1.0	TELECOMMUNICATION GROUND FLOOR PLAN - PART C - PHASE 2
TT1.1	TELECOMMUNICATION FIRST FLOOR PLAN - PART C - PHASE 2
TT1.2	TELECOMMUNICATION SECOND FLOOR PLAN - PART C - PHASE 2
TT1.3	TELECOMMUNICATION THIRD FLOOR PLAN - PART C - PHASE 2
TT1.4	TELECOMMUNICATION FOURTH FLOOR PLAN - PART C - PHASE 2
TT2.0	TELECOMMUNICATION GROUND FLOOR RCP - PART C - PHASE 2
TT2.1	TELECOMMUNICATION FIRST FLOOR RCP - PART C - PHASE 2
TT2.2	TELECOMMUNICATION SECOND FLOOR RCP - PART C - PHASE 2
TT2.3	TELECOMMUNICATION THIRD FLOOR RCP - PART C - PHASE 2
TT2.4	TELECOMMUNICATION FOURTH FLOOR RCP - PART C - PHASE 2
TT3.10	TELECOMMUNICATION ENLARGED PLAN- IDF-G - PHASE 2
TT3.11	TELECOMMUNICATION ENLARGED PLAN- IDF-1 - PHASE 2
TT3.12	TELECOMMUNICATION ENLARGED PLAN- IDF-2 - PHASE 2
TT3.13	TELECOMMUNICATION ENLARGED PLAN- IDF-3 - PHASE 2
TT3.14	TELECOMMUNICATION ENLARGED PLAN- IDF-4 - PHASE 2
TT4.1	TELECOM RISER PATHWAY - PHASE 2
TT4.2	TELECOM RISER BACKBONE - PHASE 2
TT5.0	TELECOMMUNICATION DETAILS 1 - PHASE 2
TT5.1	TELECOMMUNICATION DETAILS 2 - PHASE 2
TT5.2	TELECOMMUNICATION DETAILS 3 - PHASE 2
TT5.3	TELECOMMUNICATION DETAILS 4 - PHASE 2

ABBREVIATIONS:

AFF - ABOVE FINISHED FLOOR
AV - AUDIOVISUAL
C - CONDUIT
CAT-3 - TIA CATEGORY 3 RATED
CAT-5E - TIA CATEGORY 5e RATED
CAT-6 - TIA CATEGORY 6 RATED
CAT-6A - TIA CATEGORY 6A RATED
CLG - CEILING
COAX - COAXIAL CABLE
CP - CONSOLIDATION POINT
FO - FIBER OPTIC
F/UTP - FOILED / UNSHIELDED TWISTED PAIR
GND - GROUND
IC - INTERMEDIATE CROSS-CONNECT
ID - INSIDE DIAMETER
IDF - INTERMEDIATE DISTRIBUTION FRAME
J-BOX - JUNCTION BOX
LAN - LOCAL AREA NETWORK
MC - MAIN CROSS-CONNECT
MDF - MAIN DISTRIBUTION FRAME
MH - MANHOLE
MM - MULTIMODE
MTER - MAIN TELECOMMUNICATIONS EQUIPMENT ROOM
NIC - NOT IN CONTRACT
NID - NETWORK INTERFACE DEVICE
NTS - NOT TO SCALE
OD - OUTSIDE DIAMETER
OFE - OWNER FURNISHED EQUIPMENT
OSP - OUTSIDE PLANT
PP - PATCH PANEL
PR - PAIR
PB - PULL BOX
PBX - PRIVATE BRANCH EXCHANGE
RW - RACEWAY
SM - SINGLE MODE
ST - STRAND
STP - SHIELDED TWISTED PAIR
TEMP - TEMPORARY
TGB - TELECOMMUNICATIONS GROUND BAR
TR - TELECOMMUNICATIONS ROOM
TSER - TELECOMMUNICATIONS SERVICE ENTRANCE ROOM
TYP - TYPICAL
UON - UNLESS OTHERWISE NOTED
UPS - UNINTERRUPTIBLE POWER SUPPLY
UTP - UNSHIELDED TWISTED PAIR
VOIP - VOICE OVER INTERNET PROTOCOL
WAN - WIDE AREA NETWORK
WAP - WIRELESS ACCESS POINT
WMO - WIRE MANAGEMENT
WP - WATERPROOF
WS - WORKSTATION
WW - WIREWAY

RESPONSIBILITY LEGEND:

Responsibility Legend	General Contractor	Owner	General Contractor	Owner	Specification Division Responsibility
IT Requirements	SUPPLIED BY:		INSTALLED BY:		
Communications Rack Mounted Power Protection	X		X		Division 27
Data Communications Switches		X		X	Division 27
Data Communications Wireless Access Points		X		X	Division 27
Voice Communications Telephone Sets		X		X	Division 27
Field Data Cable	X		X		Division 27
Field Data Outlet (Faceplate and Jack)		X	X		Division 27
Power & Power Receptacles	X		X		Division 26
Patch Panels		X	X		Division 27
Racks	X		X		Division 27
Elevator Traveling Cable	X		X		Division 14
Cable Containment Including: Conduit with Measured Pullstrings, Cabletray, Laddertray, Wireways, Floorboxes, Junction Boxes, Pull Boxes, & Backboxes	X		X		Division 27
Equipment Patch Cables (Fiber Twisted Pair)		X		X	Division 27
Field Patch Cabling (Twisted Pair)		X		X	Division 27
Emergency 2-Way Communications Devices		X	X		

ADDITIONAL RESPONSIBILITY NOTES:

- THE CONTRACTOR IS RESPONSIBLE FOR IDENTIFYING ADEQUATE QUANTITIES OF OWNER-FURNISHED MATERIALS ("OFCI") THAT THE CONTRACTOR WILL INSTALL TO COMPLETE THE SCOPE INCLUDED IN THE DRAWINGS AND SPECIFICATIONS AND PROVIDE THIS QUANTITY INFORMATION TO THE OWNER. THE CONTRACTOR WILL RETURN ANY UN-USED MATERIALS TO THE OWNER.

GENERAL INFORMATION FOR ALL SYMBOLS:

4-PAIR HORIZONTAL COPPER CABLES SHALL BE CATEGORY 6A (REFER TO 27 15 13)

# INDICATES THE QUANTITY OF HORIZONTAL COPPER CABLES.

TELECOM SYMBOL, VARIES

STANDARD SYMBOLS:

STANDARD INFORMATION OUTLET
= QUANTITY OF 4-PAIR HORIZONTAL COPPER CABLES

POKE-THRU OUTLET
= QUANTITY OF 4-PAIR HORIZONTAL COPPER CABLES

FLOOR BOX OUTLET
= QUANTITY OF 4-PAIR HORIZONTAL COPPER CABLES

W — WALL PHONE OUTLET
(1) 4-PAIR HORIZONTAL COPPER CABLES

WAP — WIRELESS ACCESS POINT CEILING OUTLET
(2) 4-PAIR HORIZONTAL COPPER CABLES

AV # — AUDIOVISUAL CEILING OUTLET
= QUANTITY OF 4-PAIR HORIZONTAL COPPER CABLES

SC — SECURITY SURVEILLANCE CAMERA CEILING OUTLET
(1) 4-PAIR HORIZONTAL COPPER CABLES

AR — AUDIOVISUAL EQUIPMENT RACK OUTLET
(6) = QUANTITY OF 4-PAIR HORIZONTAL COPPER CABLES

AV# — AUDIOVISUAL DATA OUTLET
= QUANTITY OF 4-PAIR HORIZONTAL COPPER CABLES

FP# — AUDIOVISUAL FLAT PANEL OUTLET
= QUANTITY OF 4-PAIR HORIZONTAL COPPER CABLES

RS — AUDIOVISUAL ROOM SCHEDULER OUTLET
(1) = QUANTITY OF 4-PAIR HORIZONTAL COPPER CABLES

SC — SECURITY SURVEILLANCE CAMERA OUTLET
(1) = QUANTITY OF 4-PAIR HORIZONTAL COPPER CABLES

ACP — SECURITY ACCESS CONTROL PANEL OUTLET
(2) = QUANTITY OF 4-PAIR HORIZONTAL COPPER CABLES

SPECIALITY SYMBOLS:

F# — SYSTEMS FURNITURE MOUNTED INFORMATION OUTLET
= QUANTITY OF 4-PAIR CATEGORY 6A CABLES

EP — SECURITY EMERGENCY PHONE DATA OUTLET
(1) 4-PAIR HORIZONTAL COPPER CABLES

R — RACEWAY MOUNTED DATA OUTLET
(2) 4-PAIR HORIZONTAL COPPER CABLES

BMS — BUILDING MANAGMENT SYSTEM (BMS) OUTLET
(2) = QUANTITY OF 4-PAIR HORIZONTAL COPPER CABLES

COORDINATION SYMBOLS:

FF — WALL MOUNTED FURNITURE FEED LOCATION - PROVIDE 2" CONDUIT TO NEAREST ACCESABLE CEILING OR CABLE TRAY FOR HORIZONTAL CABLING PATHWAYS

FF — FLOOR MOUNTED FURNITURE FEED LOCATION - PROVIDE 2" CONDUIT TO NEAREST ACCESABLE CEILING OR CABLE TRAY FOR HORIZONTAL CABLING PATHWAYS

ENLARGED PLAN SYMBOLS:

2 POST STANDARD 19" IT EQUIPMENT RACK, 7' HIGH UON
REFER TO 27 11 16

4 POST STANDARD 19" IT EQUIPMENT RACK, 7' HIGH UON
REFER TO 27 11 16

DOUBLE SIDED VERTICAL CABLE MANAGEMENT PANEL, HEIGHT TO MATCH RACK HEIGHT
UON
REFER TO 27 11 23

SINGLE SIDED VERTICAL CABLE MANAGEMENT PANEL, HEIGHT TO MATCH RACK HEIGHT UON
REFER TO 27 11 23

WALL SPACE RESERVED FOR DESIGNATED EQUIPMENT WHERE **** REPRESENTS EQUIPMENT DESIGNATION

VERTICAL CONDUIT DOWN
SIZE AS NOTED
REFER TO 27 05 28.33

VERTICAL CONDUIT UP
SIZE AS NOTED
REFFER TO 27 05 28.33

IT EQUIPMENT CABINET, REFER TO 27 11 16
CABINET DOOR, SINGLE LEAF
INDICATES CABINET FRONT
CABINET SIDE PANELS
CABINET DOORS, SPLIT LEAF

PDU-• — RACK/CABINET MOUNTED POWER DISTRIBUTION UNIT
* = LETTER DESIGNATING TYPE
REFER TO 27 11 26

TGB — TELECOMMUNICATIONS GROUND BUS BAR
REFER TO 27 05 26

TMGB — TELECOMMUNICATIONS MAIN GROUND BUS BAR
REFER TO 27 05 26

HORIZONTAL CABLE TRAY
SIZE AND TYPE AS NOTED
REFER TO 27 05 28.36

VERTICAL CABLE TRAY
REFER TO 27 05 28.36

HORIZONTAL CONDUIT
SIZE AS NOTED
REFER TO 27 05 28.33

HORIZONTAL PRE FAB FIRE RATED PATHWAY
REFER TO 27 05 28

VERTICAL PRE FAB FIRERATED PATHWAY
REFER TO 27 05 28

IDENTIFICATION:

1. CABLE ADMINISTRATION:
   A. PROPERLY LABEL ALL CABLES, RECEPTACLES, CONNECTION BLOCKS, GROUNDING BARS, RACKS, CABINETS, OUTLETS AND PATCH PANELS. GROUNDING BUSBARS, RACKS, CABINETS.
   B. LABEL EACH CABLE THAT EXCEEDS 250 FT. (75m), THE CABLE SHALL BE CLEARLY MARKED WITH RED TAPE AT BOTH ENDS OF EACH CABLE INDICATING THE EXACT CABLE LENGTH AND NOTED IN THE REQUIRED AS-BUILT LABEL REPORT.
   C. PRIOR TO SYSTEM ACCEPTANCE, THE CONTRACTOR SHALL SUBMIT AN AS-BUILT LABEL REPORT PROVIDING THE ROOM NUMBERS AND CABLE LENGTHS FOR EACH OF THE INSTALLED CABLES.
2. LABEL REQUIREMENTS:
   A. PROVIDE WHITE LABEL WITH TYPEWRITTEN LEGIBLE CHARACTERS. PRINTED WITH NON-SMEAR TYPE INK. HANDWRITTEN LABELS ARE NOT PERMITTED.
   B. PROVIDE LABELS WITH A SELF ADHESIVE BACKING.
   C. PROVIDE LABELS FOR CABLES WITH PROTECTIVE WRAP-AROUND PLASTIC TRANSPARENT COVER WHICH WILL SERVE TO PROTECT THE INK FROM SMEARING AND SECURE THE LABEL TO THE CABLE.
   D. PROVIDE LABELS FOR CABLES WIDE ENOUGH FOR 23 CHARACTERS IN A SINGLE ROW.
   E. RISER AND TIE CABLES JACKETS SHALL BE LABELED WITHIN EACH TECHNOLOGY ROOM AND AT 50 FT. (15m) INTERVALS OUTSIDE TECHNOLOGY ROOMS ABOVE CEILINGS.

GENERAL NOTES:

1. DRAWINGS ARE FOR INTENT ONLY.
2. INSTALL FIRESTOP TO ALL SLAB AND WALL PENETRATIONS PROVIDED FOR THE INSTALLATION OF TELECOMMUNICATIONS CABLE AS REQUIRED TO MAINTAIN FIRE RATING OF SLAB OR WALL. REVIEW ARCHITECT'S PLANS FOR PARTITION TYPES.
3. CABLE TERMINATION HARDWARE INDICATED ON RACK ELEVATIONS MAY BE APPROXIMATE TO INDICATE TYPICAL ORGANIZATION OF TERMINATION HARDWARE. CONTRACTOR SHALL COMPARE THE RACK ELEVATIONS TO THE CABLING REQUIRED BY THE CONTRACT DOCUMENTS AND FURNISH AND INSTALL TERMINATION HARDWARE IN SUFFICIENT QUANTITIES TO TERMINATE CABLES.

CABLING NOTES:

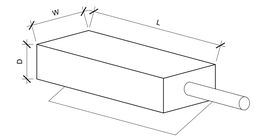
1. INSTALL TELECOMMUNICATIONS WIRING TO MAINTAIN A MINIMUM OF 5" SEPARATION FROM FLUORESCENT LIGHTING.
2. PROVIDE DESIGNATION LABELS FOR ALL TERMINATION BLOCKS, PATCH PANELS, AND WORKSTATION OUTLET FACEPLATES.
3. PROVIDE CABLE STRAPS NO GREATER THAN 5' APART TO SUPPORT CABLES WHERE NO CABLE TRAYS AND CONDUITS ARE PROVIDED.
4. INSTALL EACH CABLE SET INDICATED BY THE SYMBOLS LIST FROM THE OUTLET LOCATION TO THE RESPECTIVE SERVING TELECOM ROOM.
5. REPORT TO THE OWNER AND DESIGN TEAM ANY HORIZONTAL CABLE THAT EXCEEDS 250 FT. (75m)
6. DO NOT RUN LOW-VOLTAGE CABLE DIRECTLY PARALLEL TO ELECTRICAL OR GROUND WIRE-SHOULD THIS CONDITION ARISE, REPORT TO THE OWNER AND THE DESIGN TEAM. IF CABLES MUST CROSS, DO SO AT PERPENDICULAR ANGLES.

PATHWAY NOTES:

1. COORDINATE WALL BOX LOCATIONS AND DIMENSIONS WITH ARCHITECTURAL AND ELECTRICAL PLANS.
2. COORDINATE WITH ELECTRICAL DRAWINGS FOR LOCATION OF ALL TELECOMMUNICATIONS OUTLETS.
3. INSTALL CONDUIT AND LADDER RACK FOR TELECOMMUNICATIONS WIRING TO MAINTAIN A MINIMUM OF 5" SEPARATION FROM FLUORESCENT LIGHTING.
4. COORDINATE INSTALLATION OF CONDUITS AND CABLE TRAYS WITH OTHER COMPONENTS INSTALLED WITHIN CEILING. PREPARE SHOP DRAWINGS TO DEMONSTRATE AND ENSURE PROPER INSTALLATION OF ALL COMPONENTS.
5. IF CONFLICTS ARE FOUND BETWEEN THE TELECOMMUNICATIONS DRAWINGS AND ANY OTHER DRAWINGS ASSOCIATED WITH THE PROJECT, NOTIFY THE ARCHITECT AT ONCE AND HAVE LOCATION VERIFIED BEFORE OUTLETS ARE INSTALLED. ANY REASONABLE CHANGE IN LOCATION OF OUTLETS PRIOR TO ROUGHING SHALL NOT INVOLVE ADDITIONAL EXPENSE TO THE OWNER. THE TERM "REASONABLE" SHALL BE INTERPRETED AS MOVING OUTLET LOCATIONS A MAXIMUM OF 10' IN ANY DIRECTION FROM THE LOCATION INDICATED ON THE DRAWINGS.
6. MAINTAIN MINIMUM BEND RADIUS OF 10X O.D. FOR CONDUITS GREATER THAN 2" DIAMETER. MAINTAIN MINIMUM BEND RADIUS OF 6X O.D. FOR CONDUITS EQUAL TO OR LESS THAN 2" DIAMETER.
7. PROVIDE PULL BOXES (SIZE AS NOTED) AFTER EVERY 100 FT. (30m) OF RUN OR AFTER EVERY 180-DEGREES OF BEND.
8. DO NOT INSTALL PULL BOXES IN LIEU OF A BEND.

PULL BOX SIZING CHART

CONDUIT	PULL BOX DIMENSIONS			DIMENSION TO INCREASE PULL BOX WIDTH FOR EACH ADDITIONAL CONDUIT (in.)	DIMENSION TO INCREASE PULL BOX DEPTH FOR EACH ADDITIONAL TIER OF CONDUIT (in.)
TRADE SIZE (in.)	WIDTH (in.)	LENGTH (in.)	DEPTH (in.)		
1	4	16	3	2	3
1-1/4	6	20	3	3	3
1-1/2	8	27	4	4	4
2	8	36	5	5	4
2-1/2	10	42	6	6	5
3	12	48	6	6	5
3-1/2	12	54	6	6	6
4	12	60	8	8	8



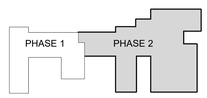
9. REAM AND BUSH THE ENDS OF ALL CONDUITS.
10. PROVIDE AND LEAVE IN PLACE A PULL STRING IN EACH CONDUIT.
11. STUB UP CONDUIT SLEEVES THROUGH SLABS 3" ABOVE FINISHED FLOORS.
12. PROVIDE HANGERS, ANCHORS, MOUNTING HARDWARE, GROUND LUGS AND STRAPS AS REQUIRED TO ENSURE PROPER INSTALLATION OF PATHWAY COMPONENTS. INSTALL ALL COMPONENTS AS PER MANUFACTURERS RECOMMENDATIONS AND PER ALL APPLICABLE CODES.
13. GROUND ALL CONDUITS AND LADDER RACK AS PER MANUFACTURERS' RECOMMENDATIONS AND PER ALL APPLICABLE CODES.
14. PROVIDE AT ALL LADDER RACK AND CABLE TRAY LOCATIONS: RUNWAY DROPOFFS, SPLICE HARDWARE, GROUND STRAPS, THERMAL EXPANSION PLATES, TERMINATION KITS, END SUPPORT KITS AND CEILING SUPPORT HARDWARE.
15. PROVIDE FOR ALL BASKET TYPE CABLE TRAY LOCATIONS; CONNECTION HARDWARE, GROUND STRAPS, THERMAL EXPANSION PLATES, SUPPORT BRACKETS AND CEILING SUPPORT HARDWARE.
16. REFER TO DISTRIBUTION PLANS FOR REQUIREMENTS FOR JUNCTION BOX AND CONDUITS TO SUPPORT WORKSTATION OUTLETS.
17. WHERE CABLE IS RUN ABOVE NON-ACCESSIBLE (I.E. GYPSUM BOARD) CEILING CONSTRUCTION, CONDUIT AND PULL BOXES MUST BE INSTALLED TO PROPERLY ROUTE CABLE.
18. PROVIDE J-HOOKS AND CABLE STRAPS TO SUPPORT CABLE ABOVE ACCESSIBLE CEILING CONSTRUCTION, EXCEPT IN AREAS WHERE CABLE TRAY OR CONDUIT IS INDICATED.
19. PROVIDE WOVEN FIBER RACEWAY COMPLETE WITH DRAG LINE FOR ALL 2", 3", AND 4" CONDUITS PER SPECIFICATIONS AND DRAWING DETAILS, UON.

RENOVATE PLANT SCIENCE BUILDING - PHASE 2
SUCF Project No. 161026-00
236 Tower Road
Ithaca, NY 14853

Cornell CALS College of Agriculture and Life Sciences
SUNY State University Construction Fund

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DM Engineers Fire Protection Engineers	1007 Yonkers Ave Yonkers, NY 10704 T 929 333-2339
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Notes:



Keyplan

Job Number 161026-00 / 31909
Drawing By Author
Checked By Checker
Filename
Date August 31, 2026

Revisions
C ADDENDUM NO. 4 11/12/2026

TELECOMMUNICATION COVER SHEET - PHASE 2

BID DOCUMENTS
Scale: 12" = 1'-0"

TT0.01

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DRAWING LIST:

NUMBER	NAME
TA0.1	AUDIOVISUAL COVER SHEET - PHASE 2
TA1.0	AUDIOVISUAL GROUND FLOOR PLAN - PART C - PHASE 2
TA1.1	AUDIOVISUAL FIRST FLOOR PLAN - PART C - PHASE 2
TA1.2	AUDIOVISUAL SECOND FLOOR PLAN - PART C - PHASE 2
TA1.3	AUDIOVISUAL THIRD FLOOR PLAN - PART C - PHASE 2
TA1.4	AUDIOVISUAL FOURTH FLOOR PLAN - PART C - PHASE 2
TA3.0	AUDIOVISUAL ENLARGED PLANS - PHASE 2
TA3.1	AUDIOVISUAL ENLARGED PLANS - PHASE 2
TA3.2	AUDIOVISUAL ENLARGED PLANS - PHASE 2
TA3.3	AUDIOVISUAL ENLARGED PLANS - PHASE 2
TA4.0	AUDIOVISUAL ELEVATIONS - PHASE 2
TA5.0	AUDIOVISUAL RISER DIAGRAMS - PHASE 2
TA5.1	AUDIOVISUAL RISER DIAGRAMS - PHASE 2
TA6.0	AUDIOVISUAL SYSTEMS LINE DIAGRAM - PHASE 2
TA6.1	AUDIOVISUAL SYSTEMS LINE DIAGRAM - PHASE 2
TA6.2	AUDIOVISUAL SYSTEMS LINE DIAGRAM - PHASE 2
TA6.3	AUDIOVISUAL SYSTEMS LINE DIAGRAM - PHASE 2
TA6.4	AUDIOVISUAL SYSTEMS LINE DIAGRAM - PHASE 2
TA7.0	AUDIOVISUAL DETAILS - PHASE 2
TA7.1	AUDIOVISUAL DETAILS - PHASE 2

ABBREVIATIONS:

A AMPERES
AC ABOVE COUNTER
AFC AT FINISHED CEILING
AFF ABOVE FINISHED FLOOR
AFP ABOVE FINISHED PLATFORM OR RAISED FLOOR
AS ABOVE SLAB
ATS ABOVE TABLE SURFACE
AV AUDIOVISUAL
AWG AMERICAN WIRE GAGE

C CONDUIT
CAT-3 TIA/EIA CATEGORY 3 RATED
CAT-5E TIA/EIA CATEGORY 5E RATED
CAT-6A TIA/EIA CATEGORY 6A RATED
CAT-6E TIA/EIA CATEGORY 6E RATED
CB CEILING BOX
CCTV CLOSED CIRCUIT TELEVISION
CKT CIRCUIT
COAX COAXIAL CABLE
CL CENTER LINE
COND CONDUCTOR
CLG CEILING
CP CONSOLIDATION POINT
CU COPPER

DVR DIGITAL VIDEO RECORDER
DWG DRAWING

EC CONDUCTOR
EM EMERGENCY
EMT ELECTRICAL METALLIC TUBING (W/ PULL STRING
EC EMPTY CONDUIT
EX EXISTING

F/UTP FOILED/UNSHIELDED TWISTED PAIR
FA FIRE ALARM
FACP FIRE ALARM CONTROL PANEL
FB FLOOR BOX
FO FIBER OPTIC
FP FLAT PANEL

GND GROUND

HC HUNG CEILING
HZ HERTZ

ID INSIDE DIAMETER
IDF INTERMEDIATE DISTRIBUTION FRAME

LAN LOCAL AREA NETWORK
LV LOW VOLTAGE

MAX MAXIMUM
MER MECHANICAL EQUIPMENT ROOM
MC MAIN CROSS CONNECT
MIC MICROPHONE
MDF MAIN DISTRIBUTION FRAME
MH MANHOLE
MIN MINIMUM
MM MULTIMODE
MTD MOUNTED
MTER MAIN TELECOMMUNICATIONS EQUIPMENT ROOM

N NEUTRAL
NC NORMALLY CLOSED
NIC NOT IN CONTRACT
NID NETWORK INTERFACE DEVICE
NTS NOT TO SCALE
NO NORMALLY OPEN
NO. NUMBER

OD OUTSIDE DIAMETER
OFE OWNER FURNISHED EQUIPMENT
OSP OUTSIDE PLANT

PA PUBLIC ADDRESS
PP PATCH PANEL
PB PULLBOX
PR PAIR
PBX PRIVATE BRANCH EXCHANGE
PNL PANEL
POE POWER OVER ETHERNET
PRJ PROJECTOR
PTZ PAN/TILT/ZOOM

RM ROOM
RW RACEWAY

SC SCREW COVER BOX
SB SPEAKER BACK BOX
SM SINGLE MODE
SP SPEAKER
ST STRAND
STP SHIELDED TWISTED PAIR

TBD TO BE DETERMINED
TEMP TEMPORARY
TGB TELECOMMUNICATIONS GROUND BAR
TR TELECOMMUNICATIONS ROOM
TS TAMPER SWITCH
TSER TELECOMMUNICATIONS SERVICE ENTRANCE ROOM
TV TELEVISION
TYP TYPICAL

UON UNLESS OTHERWISE NOTED
UPS UNINTERRUPTIBLE POWER SUPPLY
UTP UNSHIELDED TWISTED PAIR

VA VOLT/AMPERES
VIF VERIFY IN FIELD
VM VOLTMETER
VOIP VOICE OVER INTERNET PROTOCOL
VP VAPOR PROOF

W WATTS
WAN WIDE AREA NETWORK
WAP WIRELESS ACCESS POINT
WM WIRE MANAGEMENT
WP WATERPROOF
WS WORKSTATION
WT WATER TIGHT
WW WIREWAY

XFRM TRANSFORMER

GENERAL NOTES:

1. DRAWINGS AND ASSOCIATED SPECIFICATIONS ARE INTENDED TO REPRESENT OVERALL DESIGN INTENT.

2. POWER AND DATA REQUIREMENTS SHOWN FOR REFERENCE ONLY AND ARE NOT FOR CONSTRUCTION. COORDINATE WITH ELECTRICAL ENGINEER, ARCHITECT AND TELECOM DESIGNER DRAWINGS FOR LOCATION OF ALL OUTLETS IN THIS DRAWING SET.

3. WHERE POWER CIRCUITS ARE SHOWN TERMINATING IN JUNCTION BOXES WITHOUT RECEPTACLES, THE WIRES SHALL BE TAPED AND THE BOXES COVERED. THESE CIRCUITS WILL BE CONNECTED BY OTHERS DURING INSTALLATION OF THE AV SYSTEMS EQUIPMENT.

4. EMPTY CONDUIT RUNS ON THESE DRAWINGS SHOW ONLY INTERCONNECTION BETWEEN TERMINATION POINTS. THE EXACT PATH OF CONDUIT IS TO BE DETERMINED BY THE COORDINATE PATHWAYS FOR ALL AV RELATED DEVICES WITH ARCHITECTURAL AND ELECTRICAL PLANS.

5. HIGH LEVEL/HIGH CURRENT FEEDS (SUCH AS FOR POWER DISTRIBUTION PANELS, LIGHTING, AND BRANCH CIRCUITS,) ARE NOT TO BE RUN PARALLEL WITH AUDIO/VIDEO CONDUITS OR CABLING. IF HIGH LEVEL/HIGH CURRENT FEEDS MUST RUN PARALLEL TO AUDIO/VIDEO CONDUITS OR CABLING, MINIMUM SEPARATION MUST BE MAINTAINED ACCORDING TO THE FOLLOWING TABLE. "NA" INDICATES THAT THE USE SHOULD BE AVOIDED. SPACINGS ASSUME THAT POWER CONDUCTORS WILL NOT BE TWISTED PAIRS. CLOSER SPACINGS CAN BE USED IF POWER CONDUCTORS ARE TWISTED PAIRS.

MINIMUM ACCEPTABLE DISTANCE BETWEEN PARALLEL AV AND POWER CONDUITS

AV CONDUIT	POWER CONDUIT	COMBINED AMPACITY OF ALL PHASE CONDUCTORS IN POWER CONDUIT				
		UNDER 60A	60A	120A	240A	400A
EMT	EMT	2 FT.	3 FT.	4 FT.	NA	NA
EMT	RIGID STEEL	4 IN.	8 IN.	1 FT.	2 FT.	4 FT.
RIGID STEEL	RIGID STEEL	1 IN.	2 IN.	4 IN.	8 IN.	16 IN.

6. NO LARGE POWER TRANSFORMERS OR MOTORS SHOULD BE LOCATED WITHIN 50 FEET OF AV EQUIPMENT SPACES.

7. ALL AV CABLING THAT IS RUN OPEN-WIRE SHALL BE SUPPORTED FROM J-HOOKS NO GREATER THAN 3 FEET APART. NO CABLE IS TO BE UNSUPPORTED OR LAID OVER CEILING TILES, BLACK IRON, OR OTHER CEILING MEMBERS.

8. THE METHOD OF INSTALLATION OF BOXES IN WALLS, AND THE METHOD OF PASSAGE OF CONDUITS AND WIREWAYS THROUGH ACOUSTICALLY SENSITIVE WALLS SHALL BE COORDINATED WITH THE ACOUSTICAL CONSULTANT.

9. INSTALL FIRESTOP TO ALL SLAB AND WALL PENETRATIONS PROVIDED FOR THE INSTALLATION OF CABLE AND CONDUIT AS REQUIRED TO MAINTAIN FIRE RATING OF SLAB OR WALL. REVIEW ARCHITECT'S PLANS FOR PARTITION TYPES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE FIRE RATING OF ALL WALLS AND FLOORS HAVING CABLING PENETRATIONS, COORDINATE SEALANT INSTALLATION WITH WORK OF OTHER TRADES. REFER TO ELECTRICAL SPECIFICATIONS FOR MATERIAL AND INSTALLATION PARAMETERS.

10. ALL POWER, WIREWAYS, AND JUNCTION BOXES ARE TO BE REVIEWED BY ELECTRICAL ENGINEER FOR CODE AND SAFETY COMPLIANCE.

11. ALL OVERHEAD RIGGING REQUIREMENTS ARE TO BE REVIEWED AND STAMPED FOR APPROVAL BY LICENSED STRUCTURAL ENGINEER FOR CODE AND SAFETY COMPLIANCE.

12. POWER BREAKER AND DISTRIBUTION PANELS ARE SIZED AND SPECIFIED BY THE ELECTRICAL ENGINEER.

13. ALL CABLE TRAY THAT IS SURFACE-MOUNTED ON SLAB BELOW RAISED FLOOR OR ABOVE EQUIPMENT RACKS SHALL BE SECURELY FASTENED AND LEFT OPEN FOR CABLE ACCESS.

14. POWER FOR AV AND RELATED SYSTEMS SHALL USE AN EIA/TIA 607 COMPLIANT GROUNDING SYSTEM, DESIGNED BY THE ELECTRICAL ENGINEER. REFER TO AV DETAIL SHEETS FOR ADDITIONAL GROUNDING REQUIREMENTS IF APPLICABLE.

15. ALL AV-RELATED EMPTY CONDUIT SHALL BE REAMED, CLEANED, CAPPED (WHERE APPROPRIATE), TAGGED, AND FURNISHED WITH PULL WIRES.

16. WHERE EXACT DIMENSIONS ARE NOT INDICATED, THE SCALE OF THIS DRAWING IS NOT SUFFICIENTLY ACCURATE FOR DETERMINING THE LOCATION OF EQUIPMENT, JUNCTION BOXES, OUTLET BOXES, WIREWAYS, PANELS, ETC. WHERE EXACT DIMENSIONS ARE INDICATED, THE REFERENCE SURFACE SHALL BE THE FINAL FINISHED SURFACE INCLUDING ANY ACOUSTICAL TREATMENT. ROOM DIMENSIONS ON THE DRAWINGS HAVE BEEN TAKEN FROM PRELIMINARY ARCHITECTURAL DRAWINGS. ALL DIMENSIONS MUST BE VERIFIED AND ANY DEVIATIONS CAUSING CHANGES MUST BE COORDINATED WITH SHEN MILSOM & WILKE, LLC.

17. NOTIFY OWNER'S REPRESENTATIVES OF ANY DISCREPANCIES BETWEEN THE EXISTING CONDITIONS AND THE AV DRAWINGS. OBTAIN CLARIFICATION BEFORE PROCEEDING WITH WORK.

18. ALL AV DEVICES SHALL BE SECURELY MOUNTED PLUMB AND STRAIGHT TO WALLS, FLOORS, OR RACKS PER THE MANUFACTURER'S RECOMMENDED MOUNTING PRACTICE.

19. THERE SHALL BE A MINIMUM OF ONE PULL BOX FOR EVERY 100' OF STRAIGHT EMPTY AV-RELATED CONDUIT AND ONE PULL BOX WHERE THERE ARE MORE THAN TWO 90° BENDS OR LESSER BENDS TOTALING 180° IN A CONDUIT RUN.

20. MAINTAIN MINIMUM BEND RADIUS OF 10X OD FOR ALL AV-RELATED CONDUITS.

21. LIGHTING DESIGNER TO PROVIDE LIGHTING ON A SEPARATE DIMMING ZONE AT THE SCREEN/DISPLAY DEVICE TO ENSURE GOOD CONTRAST AND IMAGE SHARPNESS.

22. AV CONTRACTOR SHALL RESTORE CEILINGS, WALLS AND ANY OTHER SURFACES AFFECTED BY THEIR WORK PRIOR TO COMPLETION OF WORK WITH LIKE MATERIALS TO MATCH EXISTING CONSTRUCTION.

23. REFER TO AV ELECTRICAL PLANS AND/OR RISER DIAGRAMS FOR EMPTY CONDUIT SIZING.

24. ALL POWER CIRCUITS INDICATED IN THIS DRAWING SET TO BE PROVIDED BY DEDICATED BREAKER PANEL(S). NO NON-AV CIRCUITS TO BE FED FROM DEDICATED AV BREAKER PANEL(S).

25. POWER FOR ALL AV SERVICES IN EACH DESIGNATED SPACE SHALL BE ON THE SAME ELECTRICAL PHASE, AND THIS PHASE SHALL NOT INCLUDE MOTORS, APPLIANCES, OR ANY OTHER SOURCE THAT CAN CAUSE SIGNAL INTERFERENCE.

26. GROUNDING: GROUND COMMUNICATIONS SYSTEMS AND EQUIPMENT IN ACCORDANCE WITH ANSI/TIA/EIA-807 GROUNDING STANDARDS AND APPLICABLE NEC REQUIREMENTS EXCEPT WHERE DRAWINGS OR SPECIFICATIONS EXCEED NEC REQUIREMENTS. ALL RACKS, METALLIC BACKBOARDS, CABLE SHEATHS, CABLE TRAYS, ETC. ENTERING OR RESIDING IN TECHNICAL EQUIPMENT SPACES SHALL BE GROUNDED TO THEIR RESPECTIVE GROUND SYSTEM USING A MINIMUM OF #6 AWG STRANDED COPPER BONDING CONDUCTOR AND COMPRESSOR CONNECTORS. ALL WIRES USED FOR TECHNICAL POWER SYSTEMS GROUNDING PURPOSES SHALL BE IDENTIFIED WITH GREEN INSULATION OR IDENTIFIED AT EACH TERMINATION POINT WITH A WRAP OF GREEN TAPE. ALL CABLES AND BUS BARS SHALL BE IDENTIFIED AND LABELED "TECHNICAL POWER SYSTEM GROUND". CONDUIT STUBS: PROVIDE NYLON BUSHING ON ALL CONDUIT STUBS AND NON-TERMINATING CONDUIT ENDS TO PROTECT WIRE PULLS.

27. JUNCTION BOX COVERS: UNLESS OTHERWISE NOTED, ALL JUNCTION BOXES MUST BE PROVIDED WITH A COVER WHERE RAISED DEVICE COVERS ARE SPECIFIED, MATCH COVER DEPTH TO WALL THICKNESS. WHERE JUNCTION BOXES ARE MOUNTED AT OR ABOVE FINISHED CEILING HEIGHT, INSTALL JUNCTION BOXES WITH OPEN SIDE FACING DOWN.

28. POWER RECEPTACLES: TECHNICAL POWER RECEPTACLES, INCLUDING THOSE WITHIN FLOOR BOXES, WALL BOXES, OR CEILING BOXES, SHALL BE PROVIDED BY THE BUILDING CONTRACTOR AND APPEAR ON THE ELECTRICAL DRAWINGS. TECHNICAL POWER RECEPTACLES IN RELATION TO TECHNOLOGY INFRASTRUCTURE IS CRITICAL. REFER TO THE ELECTRICAL DRAWINGS FOR COMPLETE POWER LAYOUTS AND CIRCUITING DETAILS.

29. NETWORK OUTLETS FOR AUDIOVISUAL SYSTEMS: ALL NETWORK OUTLETS SHALL APPEAR ON THE NETWORK DRAWINGS. NETWORK SERVICES APPEARING ON THE AUDIOVISUAL DRAWINGS ARE REPRESENTATIVE OF NETWORK CONNECTIVITY REQUIREMENTS IN SUPPORT OF AUDIOVISUAL SYSTEMS, AS THE LOCATION OF NETWORK SERVICES IN RELATION TO TECHNOLOGY INFRASTRUCTURE IS CRITICAL. REFER TO THE STRUCTURED CABLING SYSTEM SPECIFICATIONS AND DRAWINGS FOR ADDITIONAL INFORMATION.

ROOM READY:

PLEASE FIND THE BELOW GUIDE TO REVIEW THE CONDITION OF THE AV CONFERENCE ROOMS PRIOR TO DELIVERY AND INSTALLATION OF THE MULTIMEDIA SYSTEMS. THE MULTIMEDIA SYSTEMS ARE DELIVERED AFTER THE ROOMS ARE 'READY' TO ENSURE A PROPER AND SECURE INSTALLATION OF THE MULTIMEDIA EQUIPMENT.

1. ALL CONSTRUCTION IN THE CONFERENCE ROOM IS COMPLETE, INCLUDING:
   A. ALL ASSOCIATED ROOMS ARE FREE OF DEBRIS AND IS CLEAN
   B. ALL WALLS ARE COMPLETE WITH ANY BLOCKING, FABRIC WALL COVERINGS OR PAINT AS REQUIRED
   C. CEILINGS ARE COMPLETE AND CLOSED
   D. FLOOR FINISHES/CARPET IS INSTALLED
   E. ALL DOORS ARE INSTALLED AND KEYS/LOCKS PROVIDED
   F. ALL LIGHTING IS INSTALLED AND PROGRAMMED, IF CONTROLLABLE

2. ALL ELECTRICAL WORK RELATED TO THE AV SYSTEM IS COMPLETE, INCLUDING:
   A. INSTALLATION OF ALL CONDUIT, FLOOR BOXES, PULL BOXES, WIRE WAYS, ETC.
   B. INSTALLATION OF ALL 120V CIRCUITS IS COMPLETE
   C. INSTALLATION OF ALL TABLE AND FURNITURE RELATED POWER AND PULL BOXES ARE COMPLETE

3. ALL WINDOW TREATMENTS ARE INSTALLED AND PROGRAMMED, IF CONTROLLABLE

4. ALL PHONE, BRI, LAN CONNECTIONS ARE LIVE AND CHANNEL TESTED
   A. ALL CABLES AND BOXES MUST BE LABELED AND MATCH MULTIMEDIA TELECOM SHEET
   B. ALL LAN CONNECTIONS MUST BE TESTED AND CONFIGURED PER THE MULTIMEDIA TELECOM SHEET

5. THE CONFERENCE ROOM TABLE AND CREDENZA ARE INSTALLED AND CUTOUTS FOR VENTILATION CONFIRMED

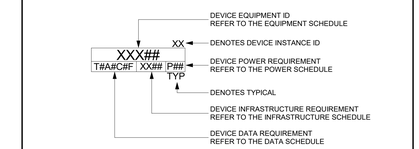
⚠8

Responsibility Legend	General Contractor	Owner	General Contractor	Owner	Specification Division Responsibility
AV SCOPE OF WORK	SUPPLIED BY:		INSTALLED BY:		
IN-WALL BLOCKING SUPPORT FOR AV MOUNTS	X		X		Division 27
WALL AND CEILING SPEAKER CUTOUTS	X		X		Division 27
FURNITURE CUTOUTS FOR AV EQUIPMENT (UNLESS PROVIDED BY FURNITURE PROVIDER)	X		X		Division 12 / 27
KINDORF AND/OR BLACK IRON AS REQUIRED FOR CEILING MOUNTED AV DEVICES	X		X		Division 27
CABLE CONTAINMENT INCLUDING:					
- CONDUIT WITH MEASURED PULLSTRINGS	X		X		Division 27
- CABLETRAY, LADDERTRAY, AND WIREWAYS	X		X		Division 27
- FLOORBOXES	X		X		Division 27
- JUNCTION BOXES, PULL BOXES, AND BACKBOXES	X		X		Division 27
POWER OUTLETS	X		X		Division 26
DEDICATED DISTRIBUTION PANELS, LOAD CENTERS, AND POWER ISOLATION TRANSFORMERS	X		X		Division 26
AV CABLING (LOW VOLTAGE)		X		X	Division 27
AV TERMINATIONS		X		X	Division 27
CUSTOM ENGRAVED AV COVER PLATES		X		X	Division 27
J-HOOKS AND OTHER SUPPORTS REQUIRED FOR OPEN-RUN AV CABLING	X		X		Division 27
AV DEVICE WALL MOUNTS		X		X	Division 27
AV DEVICES (AS DESCRIBED IN THE AV BID DOCS)		X		X	Division 27
VOICE/DATA NETWORK CABLING (FIBER AND TWISTED PAIR)	X		X		Division 27
VOICE/DATA COVER PLATES		X	X		Division 27
CATV CABLING	X		X		Division 27
LIGHTING & SHADE CONTROL INTERFACE	X		X		Division 26

ADDITIONAL RESPONSIBILITY NOTES:

- THE CONTRACTOR IS RESPONSIBLE FOR IDENTIFYING ADEQUATE QUANTITIES OF OWNER-FURNISHED MATERIALS ("OFCI") THAT THE CONTRACTOR WILL INSTALL TO COMPLETE THE SCOPE INCLUDED IN THE DRAWINGS AND SPECIFICATIONS AND PROVIDE THIS QUANTITY INFORMATION TO THE OWNER. THE CONTRACTOR WILL RETURN ANY UN-USED MATERIALS TO THE OWNER.

SYMBOL LEGEND:



NETWORK SYMBOL KEY:

LETTER	DESCRIPTION	DESTINATION	CABLE TYPE
T	CLIENT NETWORK DATA	REFER TO TT DRAWINGS	REFER TO TT DRAWINGS
A	AV NETWORK DATA	NEAREST AV RACK ROOM	REFER TO NETWORK SCHEDULE
C	CABLE TV DROP	REFER TO TT DRAWINGS	CATV, REFER TO TT DRAWINGS
F	CLIENT NETWORK FIBER	REFER TO TT DRAWINGS	REFER TO TT DRAWINGS

⚠2

AUDIOVISUAL EQUIPMENT SCHEDULE - PHASE 2

DEVICE ID	TYPE
AST01	ASSISTIVE LISTENING IR EMITTER
AVP02	AV WALL PLATE
CAM01	PTZ VIDEO CAMERA
FBR-BOX	FIBER SPOOL BOX
FD01	AV FLOOR DEVICE
FD02	AV FLOOR DEVICE
FPD03	FLAT PANEL DISPLAY - 55"
FPD03-DS	FLAT PANEL DISPLAY - 55", MOUNTED ON FREE STANDING DISPLAY STAND
FPD03-P	FLAT PANEL DISPLAY - 55" PORTRAIT
FPD04	FLAT PANEL DISPLAY - 65"
LEC-RL	ADA RAISE/LOWER LECTERN
MIC03	CEILING MICROPHONE ARRAY - SQUARE
PRJ-01	POLE MOUNTED PROJECTOR
PS01	MOTORIZED PROJECTION SCREEN
RCK02	SMALL AUDIOVISUAL EQUIPMENT RACK
RCK03	SMALL EQUIPMENT RACK
SCRSW	PROJECTION SCREEN SWITCH(BY OTHERS)
SPK01	RECESSED CEILING SPEAKER
SPK03	INTEGRATED VIDEO CAMERA BAR
TAVP01	AV TABLE HATCH

INFRASTRUCTURE SCHEDULE - PHASE 2

TAG #	TYPE
FURN	FURNITURE PROVIDED/MOUNTED RACEWAYS/JUNCTION BOXES
J01	1-GANG
J01	2-GANG
J02	2-GANG
PK01	8" POKETHRU DEVICE FOR LOW VOLTAGE
PK04	POKETHRU DEVICE FOR POWER
PRJCB	PROJECTOR CEILING BOX
SC01	SCREW COVER BOX
SFD1	SURFACE MOUNTED SYSTEM DEVICE TAP
SFD2	SURFACE MOUNTED SYSTEM DEVICE HUB
SFTK	SURFACE MOUNTED SYSTEM UNDER-CARPET TRACK
WB2	IN-WALL BACKBOX

NETWORK SCHEDULE - PHASE 2

TAG #	# OF DROPS	TYPE
F1	1	6-STRAND SINGLE MODE FIBER
T2	2	CATEGORY 6
T6	6	CATEGORY 6

POWER SCHEDULE - PHASE 2

TAG #	TYPE
P1	120V/20A DUPLEX RECEPTACLE, 5-20R
P4	120V/20A QUAD RECEPTACLE, 5-20R
P5	120V/20A POWER TO DEVICE
PB4	120V/20A DUPLEX RECEPTACLE, 5-20R, MOUNTED IN BACKBOX

RENOVATE PLANT SCIENCE BUILDING - PHASE 2
SUCF Project No. 161026-00
236 Tower Road
Ithaca, NY 14853

Cornell CALS College of Agriculture and Life Sciences
SUNY State University Construction Fund

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Salas O'Brien Consulting & Engineering Group of NY, Inc.
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Watson Engineering
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DM Engineers
Fire Protection Engineers
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T 929 333-2339

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Environ. Design & Research
Historic Preservation,
Landscape, Civil Engineering
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Syracuse, NY 13202
T 315 471-0688

Schuler Shook
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New York, NY 10018
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D2D Green Design
Sustainability PH2
10 Hallenbeck Hill
East Greenbush, NY 12061
T 518 729-2967

Shen Milsom & Wilke
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Security
417 Fifth Avenue
New York, NY 10016
T 212 725-6800

Watts Architects &
Engineers
Asbestos, Haz Mat
95 Perry Street, Suite 300
Buffalo, NY 14203
T 716 206-5122

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142 Hanlon Rd
Holliston, MA 01746
T 508 397-8417

Ellana
Cost Consulting
32 Broadway, Suite 801
New York, NY 10004
T 212971-0936

Notes:



Keyplan

Job Number 161026-00 / 31909
Drawing By Author
Checked By Checker
Filename
Date August 31, 2026

Revisions

B	ADDENDUM NO. 3	11/02/2026
	DRAFT PRE-BID PRICING SET	07/09/2025
	PRE-BID PRICING SET	08/14/2025
C	ADDENDUM NO. 4	11/12/2026

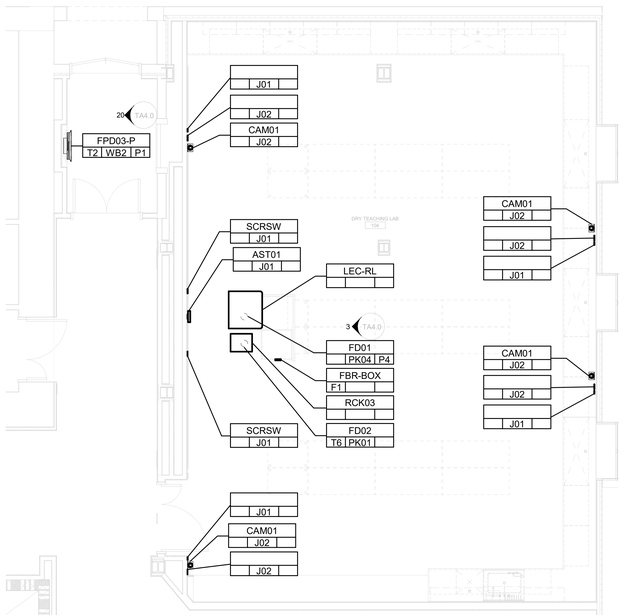
AUDIOVISUAL COVER SHEET - PHASE 2

BID DOCUMENTS
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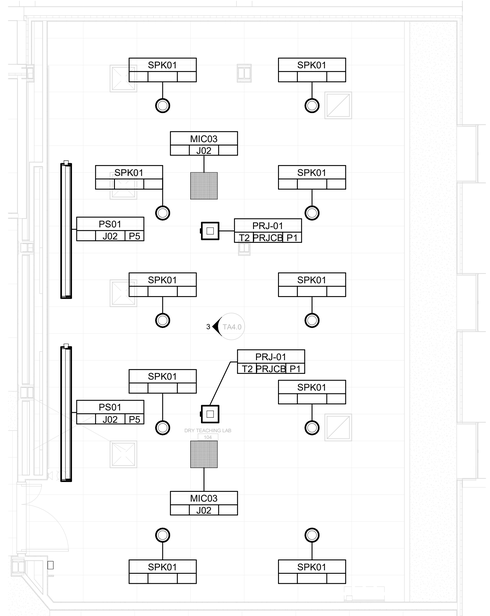
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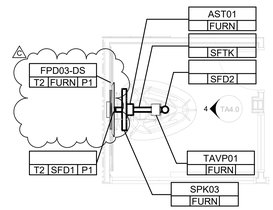
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2 AUDIOVISUAL ENLARGED PLAN - FIRST FLOOR PART C - DRY TEACHING LAB 104
1/4" = 1'-0"



6 AUDIOVISUAL ENLARGED RCP - FIRST FLOOR PART C - DRY TEACHING LAB 104
1/4" = 1'-0"



4 AUDIOVISUAL ENLARGED PLAN - FIRST FLOOR PART C - MEETING ROOM 116A
1/4" = 1'-0"

AUDIOVISUAL EQUIPMENT SCHEDULE - PHASE 2	
DEVICE ID	TYPE
AST01	ASSISTIVE LISTENING IR EMITTER
AVP02	AV WALL PLATE
CAM01	PTZ VIDEO CAMERA
FBR-BOX	FIBER SPOOL BOX
FD01	AV FLOOR DEVICE
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FPD03	FLAT PANEL DISPLAY - 55"
FPD03-DS	FLAT PANEL DISPLAY - 55", MOUNTED ON FREE STANDING DISPLAY STAND
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PS01	MOTORIZED PROJECTION SCREEN
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RCK03	SMALL EQUIPMENT RACK
SCRSW	PROJECTION SCREEN SWITCH(BY OTHERS)
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SPK03	INTEGRATED VIDEO CAMERA BAR
TAVP01	AV TABLE HATCH

INFRASTRUCTURE SCHEDULE - PHASE 2	
TAG #	TYPE
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J01	1-GANG
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J02	2-GANG
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PK04	POKETHRU DEVICE FOR POWER
PRJCB	PROJECTOR CEILING BOX
SC01	SCREW COVER BOX
SFD1	SURFACE MOUNTED SYSTEM DEVICE TAP
SFD2	SURFACE MOUNTED SYSTEM DEVICE HUB
SFTK	SURFACE MOUNTED SYSTEM UNDER-CARPET TRACK
WB2	IN-WALL BACKBOX

NETWORK SCHEDULE - PHASE 2		
TAG #	# OF DROPS	TYPE
F1	1	6-STRAND SINGLE MODE FIBER
T2	2	CATEGORY 6
T6	6	CATEGORY 6

POWER SCHEDULE - PHASE 2	
TAG #	TYPE
P1	120V/20A DUPLEX RECEPTACLE, 5-20R
P4	120V/20A QUAD RECEPTACLE, 5-20R
P5	120V/20A POWER TO DEVICE
PB4	120V/20A DUPLEX RECEPTACLE, 5-20R, MOUNTED IN BACKBOX

RENOVATE PLANT SCIENCE BUILDING - PHASE 2

SUCF Project No. 161026-00

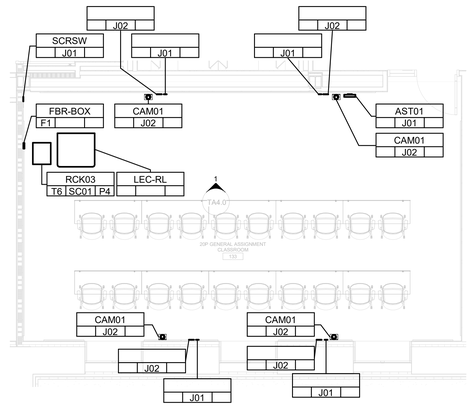
236 Tower Road
Ithaca, NY 14853

Cornell CALS College of Agriculture and Life Sciences

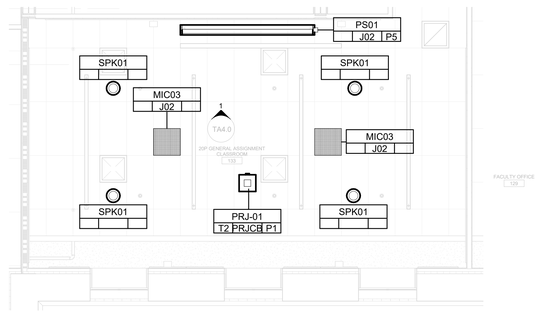
SUNY State University Construction Fund

Ellenzweig Architecture | Planning	230 Congress Street Boston, MA 02110 T 617 491-5575
Ryan Biggs Clark Davis Structural Engineers	257 Ushers Road Clifton Park, NY 12065 T 518 406-5506
Salas O'Brien Consulting & Engineering Group of NY, Inc. Mechanical Engineers	300 Trolley Blvd. Rochester, NY 14606 T 585 288-5590
Jade Stone Engineering Electrical Engineers	444 Vanduzee St. Watertown, NY 13601 T 315 836 4062
Watson Engineering Plumbing	4500 State Route 434 Apalachin, NY 13732 T 607 223-4334
DM Engineers Fire Protection Engineers	1007 Yonkers Ave Yonkers, NY 10704 T 929 333-2339
Bell & Spina Building Envelope	215 Wyoming Street S Syracuse, NY 13204 T 315 488-0377
Environ. Design & Research Historic Preservation, Landscape, Civil Engineering	217 Montgomery St, Suite 1000 Syracuse, NY 13202 T 315 471-0688
Schuler Shook Lighting Design	240 W 40th Street, 2nd Floor New York, NY 10018 T 212 439-5650
D2D Green Design Sustainability PH2	10 Hallenbeck Hill East Greenbush, NY 12061 T 518 729-2967
Shen Milsom & Wilke Acoustics, IT, AV, Security	417 Fifth Avenue New York, NY 10016 T 212 725-6800
Watts Architects & Engineers Asbestos, Haz Mat	95 Perry Street, Suite 300 Buffalo, NY 14203 T 716 206-5122
Hastings Consulting Building Code	142 Hanlon Rd Holliston, MA 01746 T 508 397-8417
Ellana Cost Consulting	32 Broadway, Suite 801 New York, NY 10004 T 212971-0936

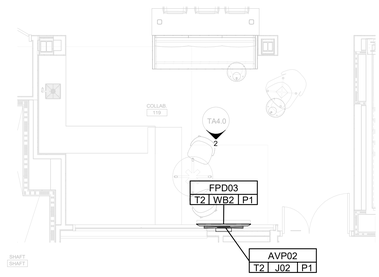
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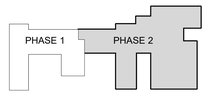
3 AUDIOVISUAL ENLARGED PLAN - FIRST FLOOR PART C - GENERAL ASSIGNMENT CLASSROOM 133
1/4" = 1'-0"



7 AUDIOVISUAL ENLARGED RCP - FIRST FLOOR PART C - GENERAL ASSIGNMENT CLASSROOM 133
1/4" = 1'-0"



1 AUDIOVISUAL ENLARGED PLAN - FIRST FLOOR PART C - COLLAB 119
1/4" = 1'-0"



Keyplan

Job Number	161026-00 / 31909
Drawing By	Author
Checked By	Checker
Filename	
Date	August 31, 2026

Revisions

	DRAFT PRE-BID PRICING SET	07/09/2025
	PRE-BID PRICING SET	08/14/2025
C	ADDENDUM NO. 4	11/12/2026

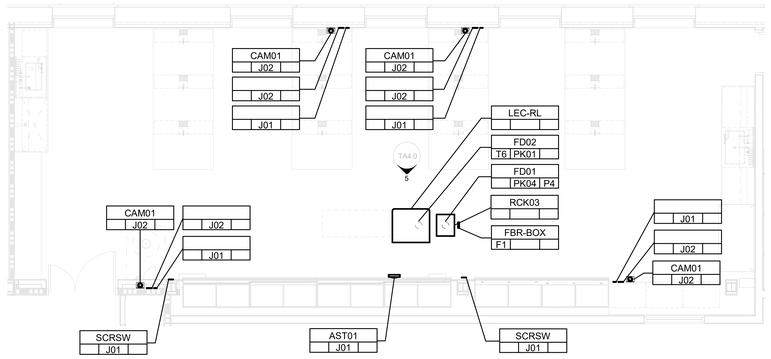
AUDIOVISUAL ENLARGED PLANS - PHASE 2

BID DOCUMENTS
Scale: 1/4" = 1'-0"

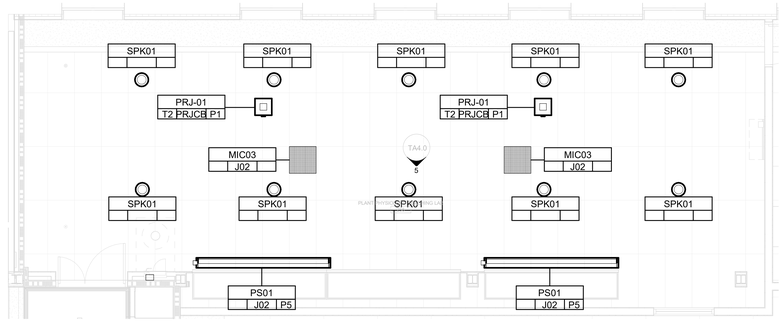
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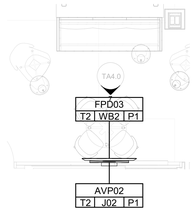
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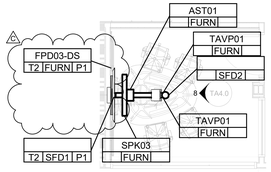
1 AUDIOVISUAL ENLARGED PLAN - SECOND FLOOR PART C - PLANT PHYSIOLOGY TEACHING LAB 236
1/4" = 1'-0"



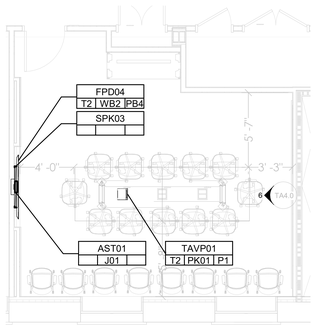
2 AUDIOVISUAL ENLARGED RCP - SECOND FLOOR PART C - PLANT PHYSIOLOGY TEACHING LAB 236
1/4" = 1'-0"



3 AUDIOVISUAL ENLARGED PLAN - SECOND FLOOR PART C - COLLAB 221
1/4" = 1'-0"



5 AUDIOVISUAL ENLARGED PLAN - SECOND FLOOR PART C - MEETING ROOM 224A
1/4" = 1'-0"



7 AUDIOVISUAL ENLARGED PLAN - SECOND FLOOR PART C - MEETING ROOM 225
1/4" = 1'-0"

AUDIOVISUAL EQUIPMENT SCHEDULE - PHASE 2	
DEVICE ID	TYPE
AST01	ASSISTIVE LISTENING IR EMITTER
AVP02	AV WALL PLATE
CAM01	PTZ VIDEO CAMERA
FBR-BOX	FIBER SPOOL BOX
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INFRASTRUCTURE SCHEDULE - PHASE 2	
TAG #	TYPE
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SFTK	SURFACE MOUNTED SYSTEM UNDER-CARPET TRACK
WB2	IN-WALL BACKBOX

NETWORK SCHEDULE - PHASE 2		
TAG #	# OF DROPS	TYPE
F1	1	6-STRAND SINGLE MODE FIBER
T2	2	CATEGORY 6
T6	6	CATEGORY 6

POWER SCHEDULE - PHASE 2	
TAG #	TYPE
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P5	120V/20A POWER TO DEVICE
PB4	120V/20A DUPLEX RECEPTACLE, 5-20R, MOUNTED IN BACKBOX

RENOVATE PLANT SCIENCE BUILDING - PHASE 2

SUCF Project No. 161026-00

236 Tower Road
Ithaca, NY 14853

Cornell CALS College of Agriculture and Life Sciences

SUNY State University Construction Fund

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Ryan Biggs Clark Davis Structural Engineers — 257 Ushers Road, Clifton Park, NY 12065, T 518 406-5506

Salas O'Brien Consulting & Engineering Group of NY, Inc. Mechanical Engineers — 300 Trolley Blvd, Rochester, NY 14606, T 585 288-5590

Jade Stone Engineering Electrical Engineers — 444 Vanduzee St, Watertown, NY 13601, T 315 836 4062

Watson Engineering Plumbing — 4500 State Route 434, Apalachin, NY 13732, T 607 223-4334

DM Engineers Fire Protection Engineers — 1007 Yonkers Ave, Yonkers, NY 10704, T 929 333-2339

Bell & Spina Building Envelope — 215 Wyoming Street S, Syracuse, NY 13204, T 315 488-0377

Environ. Design & Research Historic Preservation, Landscape, Civil Engineering — 217 Montgomery St, Suite 1000, Syracuse, NY 13202, T 315 471-0688

Schuler Shook Lighting Design — 240 W 40th Street, 2nd Floor, New York, NY 10018, T 212 439-5650

D2D Green Design Sustainability PH2 — 10 Hallenbeck Hill, East Greenbush, NY 12061, T 518 729-2967

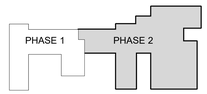
Shen Milsom & Wilke Acoustics, IT, AV, Security — 417 Fifth Avenue, New York, NY 10016, T 212 725-6800

Watts Architects & Engineers Asbestos, Haz Mat — 95 Perry Street, Suite 300, Buffalo, NY 14203, T 716 206-5122

Hastings Consulting Building Code — 142 Hanlon Rd, Holliston, MA 01746, T 508 397-8417

Ellana Cost Consulting — 32 Broadway, Suite 801, New York, NY 10004, T 212971-0936

Notes:



Keyplan

Job Number 161026-00 / 31909
Drawing By Author
Checked By Checker
Filename
Date August 31, 2026

Revisions

	DRAFT PRE-BID PRICING SET	07/09/2025
	PRE-BID PRICING SET	08/14/2025
C	ADDENDUM NO. 4	11/12/2026

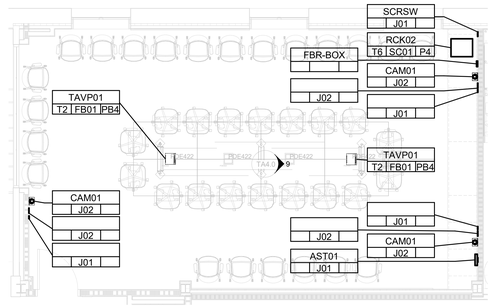
AUDIOVISUAL ENLARGED PLANS - PHASE 2

BID DOCUMENTS
Scale: 1/4" = 1'-0"

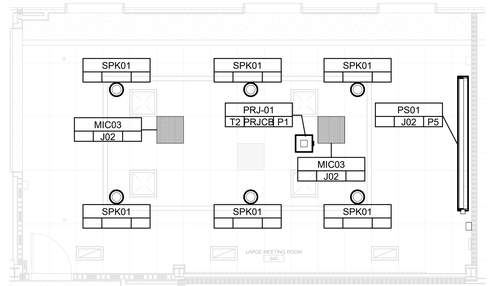
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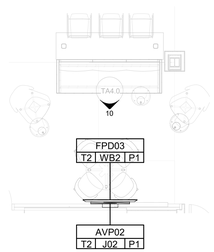
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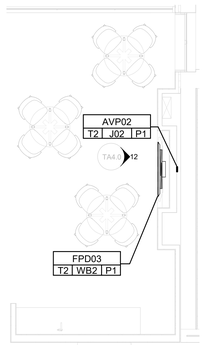
1 AUDIOVISUAL ENLARGED PLAN - THIRD FLOOR PART C - LARGE MEETING ROOM 340
1/4" = 1'-0"



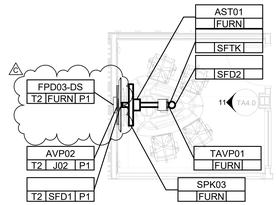
2 AUDIOVISUAL ENLARGED RCP - THIRD FLOOR PART C - LARGE MEETING ROOM 340
1/4" = 1'-0"



3 AUDIOVISUAL ENLARGED PLAN - THIRD FLOOR PART C - COLLAB 323
1/4" = 1'-0"



5 AUDIOVISUAL ENLARGED PLAN - THIRD FLOOR PART C - COLLAB 305
1/4" = 1'-0"



7 AUDIOVISUAL ENLARGED PLAN - THIRD FLOOR PART C - MEETING ROOM 324A
1/4" = 1'-0"

AUDIOVISUAL EQUIPMENT SCHEDULE - PHASE 2	
DEVICE ID	TYPE
AST01	ASSISTIVE LISTENING IR EMITTER
AVP02	AV WALL PLATE
CAM01	PTZ VIDEO CAMERA
FBR-BOX	FIBER SPOOL BOX
FD01	AV FLOOR DEVICE
FD02	AV FLOOR DEVICE
FPD03	FLAT PANEL DISPLAY - 55"
FPD03-DS	FLAT PANEL DISPLAY - 55", MOUNTED ON FREE STANDING DISPLAY STAND
FPD03-P	FLAT PANEL DISPLAY - 55" PORTRAIT
FPD04	FLAT PANEL DISPLAY - 65"
LEC-RL	ADA RAISE/LOWER LECTERN
MIC03	CEILING MICROPHONE ARRAY - SQUARE
PRJ-01	POLE MOUNTED PROJECTOR
PS01	MOTORIZED PROJECTION SCREEN
RCK02	SMALL AUDIOVISUAL EQUIPMENT RACK
RCK03	SMALL EQUIPMENT RACK
SCRSW	PROJECTION SCREEN SWITCH(BY OTHERS)
SPK01	RECESSED CEILING SPEAKER
SPK03	INTEGRATED VIDEO CAMERA BAR
TAVP01	AV TABLE HATCH

INFRASTRUCTURE SCHEDULE - PHASE 2	
TAG #	TYPE
FURN	FURNITURE PROVIDED/MOUNTED RACEWAYS/JUNCTION BOXES
J01	1-GANG
J01	2-GANG
J02	2-GANG
PK01	8" POKETHRU DEVICE FOR LOW VOLTAGE
PK04	POKETHRU DEVICE FOR POWER
PRJCB	PROJECTOR CEILING BOX
SC01	SCREW COVER BOX
SFD1	SURFACE MOUNTED SYSTEM DEVICE TAP
SFD2	SURFACE MOUNTED SYSTEM DEVICE HUB
SFTK	SURFACE MOUNTED SYSTEM UNDER-CARPET TRACK
WB2	IN-WALL BACKBOX

NETWORK SCHEDULE - PHASE 2		
TAG #	# OF DROPS	TYPE
F1	1	6-STRAND SINGLE MODE FIBER
T2	2	CATEGORY 6
T6	6	CATEGORY 6

POWER SCHEDULE - PHASE 2	
TAG #	TYPE
P1	120V/20A DUPLEX RECEPTACLE, 5-20R
P4	120V/20A QUAD RECEPTACLE, 5-20R
P5	120V/20A POWER TO DEVICE
PB4	120V/20A DUPLEX RECEPTACLE, 5-20R, MOUNTED IN BACKBOX

RENOVATE PLANT SCIENCE BUILDING - PHASE 2

SUCF Project No. 161026-00

236 Tower Road
Ithaca, NY 14853

Cornell CALS College of Agriculture and Life Sciences

SUNY State University Construction Fund

Ellenzweig Architecture | Planning — 230 Congress Street, Boston, MA 02110, T 617 491-5575

Ryan Biggs Clark Davis Structural Engineers — 257 Ushers Road, Clifton Park, NY 12065, T 518 406-5506

Salas O'Brien Consulting & Engineering Group of NY, Inc. Mechanical Engineers — 300 Trolley Blvd, Rochester, NY 14606, T 585 288-5590

Jade Stone Engineering Electrical Engineers — 444 Vanduzee St, Watertown, NY 13601, T 315 836 4062

Watson Engineering Plumbing — 4500 State Route 434, Apalachin, NY 13732, T 607 223-4334

DM Engineers Fire Protection Engineers — 1007 Yonkers Ave, Yonkers, NY 10704, T 929 333-2339

Bell & Spina Building Envelope — 215 Wyoming Street S, Syracuse, NY 13204, T 315 488-0377

Environ. Design & Research Historic Preservation, Landscape, Civil Engineering — 217 Montgomery St, Suite 1000, Syracuse, NY 13202, T 315 471-0688

Schuler Shook Lighting Design — 240 W 40th Street, 2nd Floor, New York, NY 10018, T 212 439-5650

D2D Green Design Sustainability PH2 — 10 Hallenbeck Hill, East Greenbush, NY 12061, T 518 729-2967

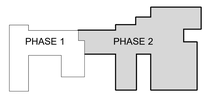
Shen Milsom & Wilke Acoustics, IT, AV, Security — 417 Fifth Avenue, New York, NY 10016, T 212 725-6800

Watts Architects & Engineers Asbestos, Haz Mat — 95 Perry Street, Suite 300, Buffalo, NY 14203, T 716 206-5122

Hastings Consulting Building Code — 142 Hanlon Rd, Holliston, MA 01746, T 508 397-8417

Ellana Cost Consulting — 32 Broadway, Suite 801, New York, NY 10004, T 212971-0936

Notes:



Keyplan

Job Number 161026-00 / 31909
Drawing By Author
Checked By Checker
Filename
Date August 31, 2026

Revisions

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	PRE-BID PRICING SET	08/14/2025
C	ADDENDUM NO. 4	11/12/2026

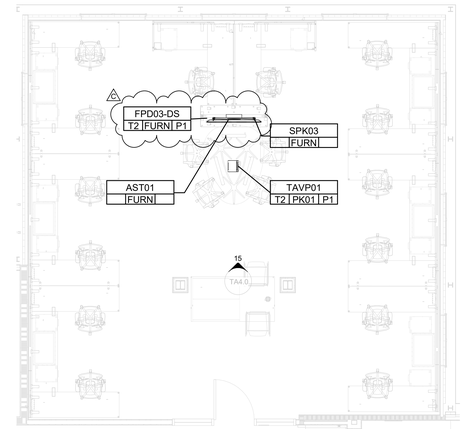
AUDIOVISUAL ENLARGED PLANS - PHASE 2

BID DOCUMENTS
Scale: 1/4" = 1'-0"

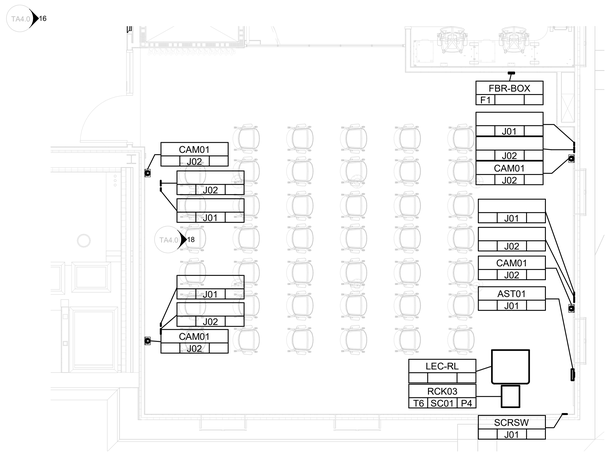
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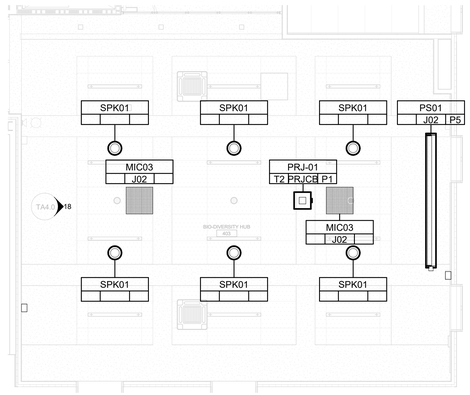
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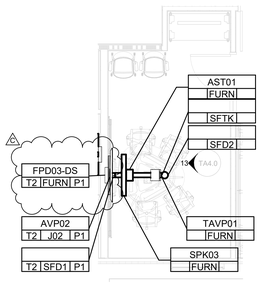
1 AUDIOVISUAL ENLARGED PLAN - FOURTH FLOOR PART C - COMPUTATIONAL LAB 416
1/4" = 1'-0"



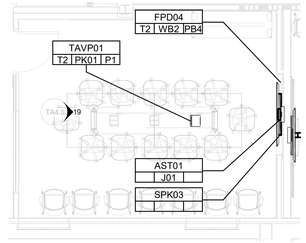
3 AUDIOVISUAL ENLARGED PLAN - FOURTH FLOOR PART C - BIO-DIVERSITY HUB 403
1/4" = 1'-0"



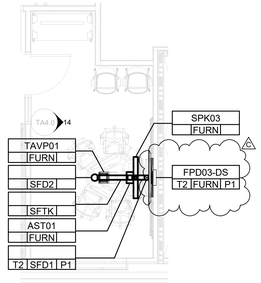
4 AUDIOVISUAL ENLARGED RCP - FOURTH FLOOR PART C - BIO-DIVERSITY HUB 403
1/4" = 1'-0"



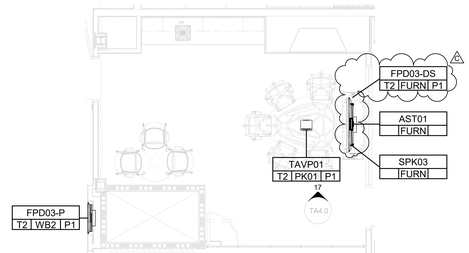
5 AUDIOVISUAL ENLARGED PLAN - FOURTH FLOOR PART C - TEAM ROOM 431B
1/4" = 1'-0"



2 AUDIOVISUAL ENLARGED PLAN - FOURTH FLOOR PART C - TEAM ROOM 435
1/4" = 1'-0"



7 AUDIOVISUAL ENLARGED PLAN - FOURTH FLOOR PART C - TEAM ROOM 431A
1/4" = 1'-0"



9 AUDIOVISUAL ENLARGED PLAN - FOURTH FLOOR PART C - LOUNGE 404
1/4" = 1'-0"

A

AUDIOVISUAL EQUIPMENT SCHEDULE - PHASE 2

DEVICE ID	TYPE
AST01	ASSISTIVE LISTENING IR EMITTER
AVP02	AV WALL PLATE
CAM01	PTZ VIDEO CAMERA
FBR-BOX	FIBER SPOOL BOX
FD01	AV FLOOR DEVICE
FD02	AV FLOOR DEVICE
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FPD03-DS	FLAT PANEL DISPLAY - 55", MOUNTED ON FREE STANDING DISPLAY STAND
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FPD04	FLAT PANEL DISPLAY - 65"
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MIC03	CEILING MICROPHONE ARRAY - SQUARE
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PS01	MOTORIZED PROJECTION SCREEN
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RCK03	SMALL EQUIPMENT RACK
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TAVP01	AV TABLE HATCH

INFRASTRUCTURE SCHEDULE - PHASE 2

TAG #	TYPE
FURN	FURNITURE PROVIDED/MOUNTED RACEWAYS/JUNCTION BOXES
J01	1-GANG
J01	2-GANG
J02	2-GANG
PK01	8" POKETHRU DEVICE FOR LOW VOLTAGE
PK04	POKETHRU DEVICE FOR POWER
PRJCB	PROJECTOR CEILING BOX
SC01	SCREW COVER BOX
SFD1	SURFACE MOUNTED SYSTEM DEVICE TAP
SFD2	SURFACE MOUNTED SYSTEM DEVICE HUB
SFTK	SURFACE MOUNTED SYSTEM UNDER-CARPET TRACK
WB2	IN-WALL BACKBOX

NETWORK SCHEDULE - PHASE 2

TAG #	# OF DROPS	TYPE
F1	1	6-STRAND SINGLE MODE FIBER
T2	2	CATEGORY 6
T6	6	CATEGORY 6

POWER SCHEDULE - PHASE 2

TAG #	TYPE
P1	120V/20A DUPLEX RECEPTACLE, 5-20R
P4	120V/20A QUAD RECEPTACLE, 5-20R
P5	120V/20A POWER TO DEVICE
PB4	120V/20A DUPLEX RECEPTACLE, 5-20R, MOUNTED IN BACKBOX

RENOVATE PLANT SCIENCE BUILDING - PHASE 2

SUCF Project No. 161026-00

236 Tower Road
Ithaca, NY 14853

Cornell CALS College of Agriculture and Life Sciences

SUNY State University Construction Fund

Ellenzweig
Architecture | Planning
230 Congress Street
Boston, MA 02110
T 617 491-5575

Ryan Biggs Clark Davis
Structural Engineers
257 Ushers Road
Clifton Park, NY 12065
T 518 406-5506

Salas O'Brien Consulting &
Engineering Group of NY, Inc.
Mechanical Engineers
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Rochester, NY 14606
T 585 288-5590

Jade Stone Engineering
Electrical Engineers
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Watertown, NY 13601
T 315 836 4062

Watson Engineering
Plumbing
4500 State Route 434
Apalachin, NY 13732
T 607 223-4334

DM Engineers
Fire Protection Engineers
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Yonkers, NY 10704
T 929 333-2339

Bell & Spina
Building Envelope
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Syracuse, NY 13204
T 315 488-0377

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Syracuse, NY 13202
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D2D Green Design
Sustainability PH2
10 Hallenbeck Hill
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T 518 729-2967

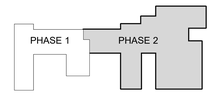
Shen Milsom & Wilke
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Keyplan

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C	ADDENDUM NO. 4	11/12/2026

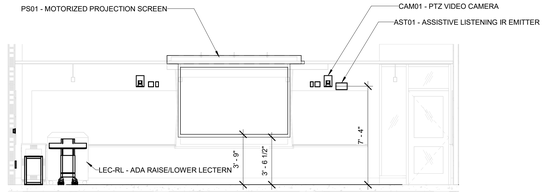
AUDIOVISUAL ENLARGED PLANS - PHASE 2

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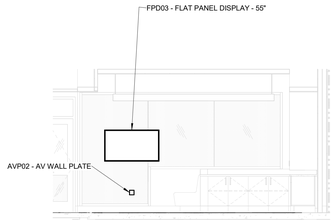
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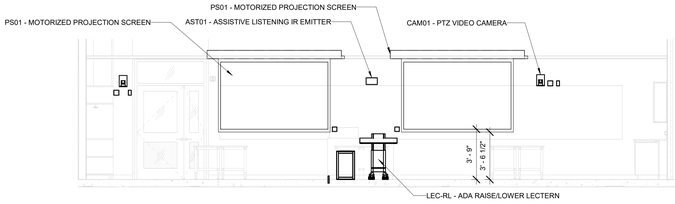
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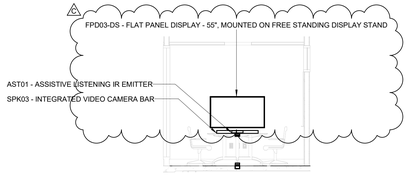
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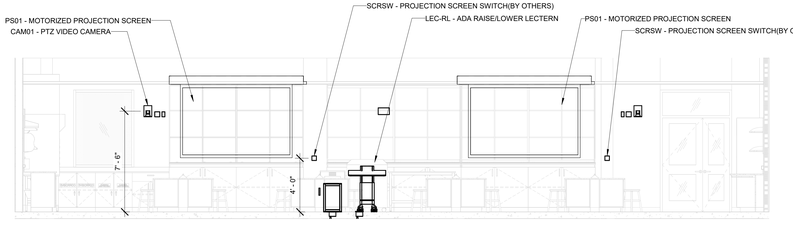
2 AUDIOVISUAL ELEVATION - COLLAB 119 - SOUTH
1/4" = 1'-0"



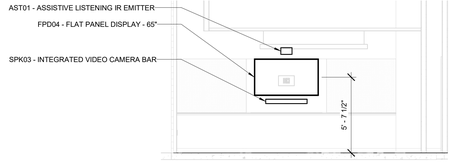
3 AUDIOVISUAL ELEVATION - DRY TEACHING LAB 104 - WEST
1/4" = 1'-0"



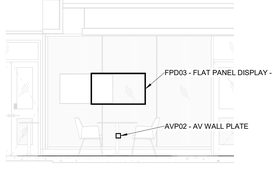
4 AUDIOVISUAL ELEVATION - MEETING ROOM 116A - WEST
1/4" = 1'-0"



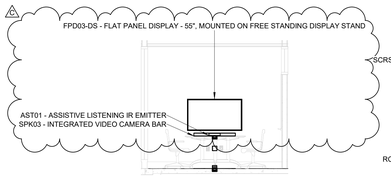
5 AUDIOVISUAL ELEVATION - PLANT PHYSIOLOGY TEACHING LAB 236 - SOUTH
1/4" = 1'-0"



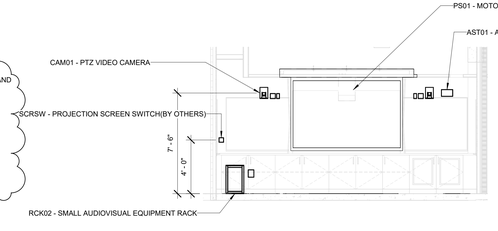
6 AUDIOVISUAL ELEVATION - MEETING ROOM 223 - WEST
1/4" = 1'-0"



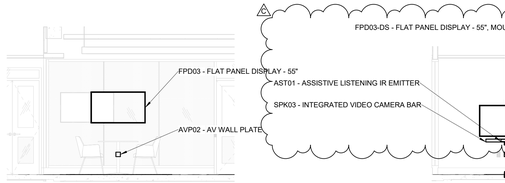
7 AUDIOVISUAL ELEVATION - COLLAB 221 - SOUTH
1/4" = 1'-0"



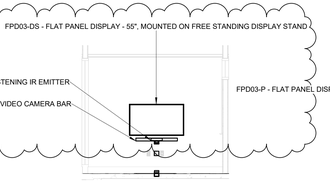
8 AUDIOVISUAL ELEVATION - MEETING ROOM 224A - WEST
1/4" = 1'-0"



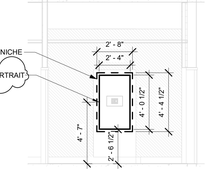
9 AUDIOVISUAL ELEVATION - LARGE MEETING ROOM 340 - EAST
1/4" = 1'-0"



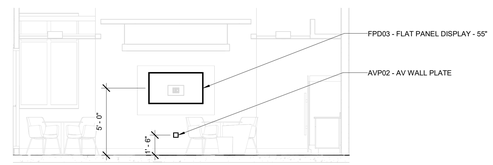
10 AUDIOVISUAL ELEVATION - COLLAB 323 - SOUTH
1/4" = 1'-0"



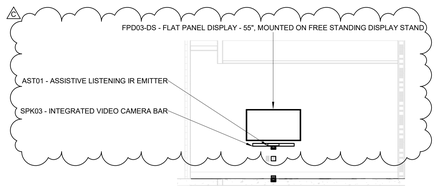
11 AUDIOVISUAL ELEVATION - MEETING ROOM 324A - WEST
1/4" = 1'-0"



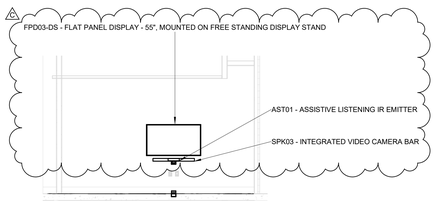
20 AUDIOVISUAL ELEVATION - VESTIBULE 10042
1/4" = 1'-0"



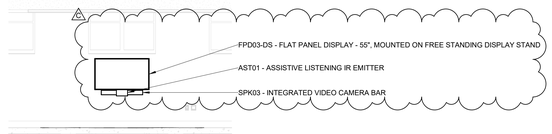
12 AUDIOVISUAL ELEVATION - COLLAB 305 - EAST
1/4" = 1'-0"



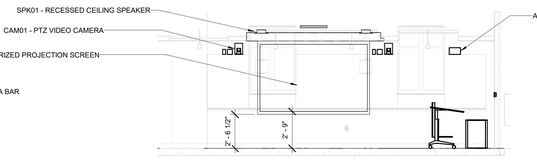
13 AUDIOVISUAL ELEVATION - TEAM ROOM 431B - WEST
1/4" = 1'-0"



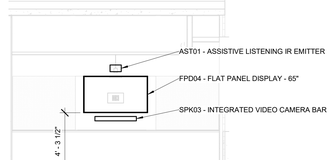
14 AUDIOVISUAL ELEVATION - TEAM ROOM 431A - EAST
1/4" = 1'-0"



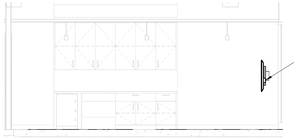
15 AUDIOVISUAL ELEVATION - COMPUTATIONAL LAB 416 - NORTH
1/4" = 1'-0"



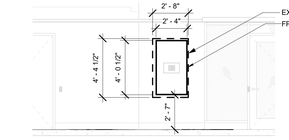
18 AUDIOVISUAL ELEVATION - BIO-DIVERSITY HUB 403 - EAST
1/4" = 1'-0"



19 AUDIOVISUAL ELEVATION - 435
1/4" = 1'-0"



17 AUDIOVISUAL ELEVATION - LOUNGE 404 - NORTH
1/4" = 1'-0"



16 AUDIOVISUAL ELEVATION - CORRIDOR-ANNEX-1 40040 - EAST
1/4" = 1'-0"

RENOVATE PLANT SCIENCE BUILDING - PHASE 2

SUCF Project No. 161026-00

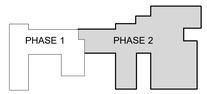
236 Tower Road
Ithaca, NY 14853

Cornell CALS College of Agriculture and Life Sciences

SUNY State University Construction Fund

Ellenzweig Architecture | Planning	230 Congress Street Boston, MA 02110 T 617 491-5575
Ryan Biggs Clark Davis Structural Engineers	257 Ushers Road Clifton Park, NY 12065 T 518 406-5506
Salas O'Brien Consulting & Engineering Group of NY, Inc. Mechanical Engineers	300 Trolley Blvd. Rochester, NY 14606 T 585 288-5590
Jade Stone Engineering Electrical Engineers	444 Vanduzee St. Watertown, NY 13601 T 315 836 4062
Watson Engineering Plumbing	4500 State Route 434 Apalachin, NY 13732 T 607 223-4334
DM Engineers Fire Protection Engineers	1007 Yonkers Ave Yonkers, NY 10704 T 929 333-2339
Bell & Spina Building Envelope	215 Wyoming Street S Syracuse, NY 13204 T 315 488-0377
Environ. Design & Research Historic Preservation, Landscape, Civil Engineering	217 Montgomery St, Suite 1000 Syracuse, NY 13202 T 315 471-0688
Schuler Shook Lighting Design	240 W 40th Street, 2nd Floor New York, NY 10018 T 212 439-5650
D2D Green Design Sustainability PH2	10 Hallenbeck Hill East Greenbush, NY 12061 T 518 729-2967
Shen Milsom & Wilke Acoustics, IT, AV, Security	417 Fifth Avenue New York, NY 10016 T 212 725-6800
Watts Architects & Engineers Asbestos, Haz Mat	95 Perry Street, Suite 300 Buffalo, NY 14203 T 716 206-5122
Hastings Consulting Building Code	142 Hanlon Rd Holliston, MA 01746 T 508 397-8417
Ellana Cost Consulting	32 Broadway, Suite 801 New York, NY 10004 T 212971-0936

Notes:



Keyplan

Job Number	161026-00 / 31909
Drawing By	Author
Checked By	Checker
Filename	
Date	August 31, 2026

Revisions

	DRAFT PRE-BID PRICING SET	07/09/2025
	PRE-BID PRICING SET	08/14/2025
C	ADDENDUM NO. 4	11/12/2026

AUDIOVISUAL ELEVATIONS - PHASE 2

BID DOCUMENTS
Scale: 1/4" = 1'-0"

TA4.0

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11/13/2026 3:16:05 PM

Autodesk Docs://31909 SUCF Cornell Plant Science/31909_Cornell PSB_SMW_R23.rvt

RFI #	Date	Question	Response
1	10/16/2026	Do you have any budget information for this project?	Bid as shown in documents.
2	10/16/2026	We respectfully request a two-week extension to the bid submission deadline. Given the size and complexity of this project, additional time is needed to prepare a thorough and comprehensive estimate. We appreciate your consideration of this request.	See Addendum 2
3	10/16/2026	Will this be issues as a Single Prime or Multi Prime Contact?	Bid as shown in documents.
4	10/16/2026	1. Contract scope: Volume 1, Section 14 states this is a single-bid general construction project, and Section 27 41 16 (dated 08-31-2026) is listed in the Table of Contents of both Volume 1 and Volume 2. However, Section 01 11 00, Summary of the Work, paragraph 1.2.B (dated 4 September 2025) lists "AV Integrator" under Concurrent / Future Work Under Other Contracts. Please confirm whether the work of Section 27 41 16 is included in the single prime contract base bid or will be procured under a separate contract.	See Addendum 3
5	10/16/2026	2. Equipment list: Section 27 41 16, Part 1 (Equipment Costs) refers to an equipment list spreadsheet made available to installers electronically. We could not locate it in the bid documents. Please advise how bidders can obtain it.	See Addendum 3
6	10/19/2026	I'm a sales rep for Universal Window, a US manufacturer of commercial aluminum windows that specializes in historic replication. I see that Phase 2 of the Plant Science Building renovation bids on November 10 and includes replacing the exterior windows as part of returning the 1931 facade to its original appearance. We match original profiles, sightlines and muntin patterns in aluminum for SHPO review. We have products that allow hung sash and projected vents to operate at larger sizes than many other manufacturers. A couple of quick questions: 1. What window basis of design is specified for Phase 2, and will approved equals be considered? 2. What is the deadline for substitution requests or bidder questions before the bid? I can send product data, details, performance information, or draft specification language. If someone else is the technical contact on Phase 2, I'd appreciate it if you could point me to the right person.	See Section 2.20 of the Construction Agreement in Volume 1 of the Project Manual.
7	10/19/2026	Just want to confirm date and time for 10/20 at 1pm for pre-bid site walk. Also are photos allowed and can we use open space Digital?	Bid as shown in documents.

RFI #	Date	Question	Response
8	10/19/2026	Thank you also for the opportunity to submit this question before bid. I'm the Upstate New York Representative for Peerless Products, Inc., and I'm asking in advance for your openness to considering Peerless as an alternative that meets or exceeds the Basis of Design, with a thicker, harder finish and longer finish and insulating glass warranties than specified. Project: Renovate Plant Science Building, Phase 2, SUCF Project No. 161026-00 Section: 08 51 13 Aluminum Windows (Bid Documents dated August 31, 2026) 1. REQUEST TO ADD PEERLESS AS AN ACCEPTABLE MANUFACTURER Section 2.2.A limits manufacturers to the five listed, with Architectural Window Manufacturing Corp. Series 3400i as Basis of Design. Agreement Section 2.20(1)(a) and (b) provide that "similar and equal to" is deemed inserted wherever products are specified, that named products establish a standard of quality rather than limit competition, and that other products may be used if approved by the Consultant, except in the single/sole-source sections. Section 01 26 43 Amendments lists those sections (14 21 00, 23 09 23, 23 57 00, 28 00 00, 28 31 11), and 08 51 13 is not among them. Information for Bidders Section 4(1)(b) also directs that requests for equivalents follow Agreement Section 2.20. Please confirm that the Section 2.2.A list sets the standard of quality rather than excluding equals, and add Peerless Products, Inc. G200 Series (G241 fixed and G251/G255 outswing casement) to Section 2.2.A by addendum. The proposed Peerless products against the specified requirements: - Class and grade (1.1.A.1): Fixed: AW-PG105, tested at 60" x 99". Casement: AW-PG100. - Air infiltration (1.4.D.2): Complies. 0.10 cfm/sf max at 6.24 psf, ASTM E283. - Water (1.4.D.3): Complies. No leakage at 15 psf, ASTM E331 and E547. - Deflection and structural (1.4.D.5, D.6): Complies. Fixed: L/175 max at 90 psf, structural at 135 psf. Casement: L/175 max at 100 psf, structural at 150 psf. No glass breakage or permanent damage, 0.2% max permanent set. - AAMA 910 life cycle (1.4.D.4): Complies. The casement's AW-class certification includes AAMA 910 life-cycle testing. - Thermal (1.4.D.7, D.8): CRF 71 frame / 72 glass for the fixed unit, AAMA 1503 (exceeds 55). U-factor, NFRC 100 with 1" argon-filled low-E IGU: fixed 0.297, casement 0.334. - Material (2.3.D): 6063-T5 extrusions, complies. Typical wall thickness 0.080"; frame depth 3-1/4" (see question 4). - Thermal barrier (2.3.D.5): Complies. Crimped-in-place, glass-fiber-reinforced polyamide struts, 1-5/16" minimum depth. - Ventilators and weatherstripping (2.3.D.4, 2.3.H): Double-tubular vent rails and stiles, mitered and gusseted, hinged at the jamb on two concealed stainless-steel hinges per vent (AAMA 904), with a single-action handle and multipoint locks. Compression weatherstripping per AAMA 702: two rows at the vent top rail and stiles, one row at the bottom rail.	See Section 2.20 of the Construction Agreement in Volume 1 of the Project Manual.

RFI #	Date	Question	Response
		- Interior glazing (1.4.B, 2.5.B.1): Complies. Glass is dry-glazed against an exterior gasket and retained by interior aluminum glazing beads with compression gaskets, so it is replaceable from the interior. - Gasket glazing (2.3.G.2): Complies. Dry glazed; no wet glazing. - Simulated divided lites (2.3.I): Extruded aluminum grids, interior and exterior, finished to match the frame, with a between-glass grid at the same locations. - Receptors (2.3.J): Two-piece receptor and head expander with polyamide thermal break, sill angle, and two-piece interior snap trim. - Finish (2.6.A): Same performance standard, different coating type. One-coat superior-performance powder coat, 70% fluoropolymer (FEVE) resin, meeting AAMA 2605 including 10-year Florida exposure. Dry film thickness 1.9 to 3.14 mils, versus about 1.2 mils for liquid PVDF, with zero solvent content. Dual colors custom-matched to Phase 1 (Hidden Falls UC#148097 exterior, Charcoal Gray UC#103578 interior), with samples submitted for approval. - Warranties (1.11): Window 10 years (complies). Insulating glass 20 years (exceeds 10). Finish 20 years standard, 30 years extended available (meets or exceeds 20). - Shop drawings (1.5.A.4.a): Complies. Prepared by Peerless. Attached: G200 Series fixed and outswing casement technical data, and powder coat finish data.	
		2. PERFORMANCE GRADE Section 1.1.A.1.c reads "Performance Grade-100 (AW-PG150)." Sections 1.4.D.5 and D.6 set the deflection test at +/-90 psf and the structural test at +/-135 psf, which correspond to a 90 psf design pressure (structural test at 1.5 times design pressure under AAMA/WDMA/CSA 101/I.S.2/A440). Please confirm the governing performance grade and test pressures. 3. PHASE 1 DIMENSIONS Section 2.3.D.6 requires matching the dimensions of all components of the Phase 1 windows. Bidders who did not supply Phase 1 cannot verify this from the bid documents. Please issue, by addendum, the Phase 1 approved shop drawings or the profile and sightline dimensions for frames, ventilators, mullions, and muntins. 4. FRAME DEPTH AND WALL THICKNESS Section 2.3.D.3 specifies a 3-1/2" frame depth. At the drawn 3" = 1'-0" scale, the fixed jamb and sill details on A9.8C (1 and 2) scale at 3-1/2", while the head, mullion, and operable details (5, 4, 8A, 7A) scale at 3-3/8" for the frame. The listed Oldcastle Signature Series 3375 has a published frame depth of 3-3/8". Section 2.3.D also calls for a 0.125" minimum wall thickness, while Section 2.3.K.1 provides for fastening into aluminum less than 0.125" thick. Please confirm whether a 3-1/4" frame depth and a 0.080" typical wall thickness are acceptable where the windows meet the specified AW performance grade, structural tests, and sightlines. I can provide custom-matched finish samples and any additional documentation you need for the review, and I'm glad to facilitate a call with my dedicated engineer at Peerless to go over any questions you may have.	
9	10/21/2026	During the walkthrough, elevator use was mentioned. Can you please clarify what elevators are available for use during construction and provide any limitation (if any)?	Refer to future Addendum.
10	10/21/2026	It was mentioned during the walkthrough that the exterior materials (mortar, window frame finish, etc.) need to match exactly to phase 1. Can the submittals from phase 1 be provided so that materials and finishes can be obtained during the bid period?	Refer to future Addendum.
11	10/21/2026	Drawing P000, General Note 20 states that existing services that cause conflict are to be relocated at no cost. Is there additional information that can be provided in order to quantify cost? If additional information is not able to be provided, can an allowance value be considered?	See Addendum 2

RFI #	Date	Question	Response
12	10/21/2026	P6.1 has two schedules for fixtures. The Water Closet model is different on the schedules. Please confirm which is correct.	See Addendum 3
13	10/21/2026	P1.2 near room 219D, there appears to be an SC-1 that is not tagged. Please confirm if this is an SC-1.	See Addendum 3
14	10/21/2026	P2.0, Room G09, there appears to be a CP-1 that is not tagged. Please confirm if this is a CP-1.	See Addendum 3
15	10/21/2026	P2.0, Room G04, there appears to be a FD in the plan view southeast corner. This appears to be a 3” FD-1 per drawing P7.3. Please confirm.	See Addendum 3
16	10/21/2026	P2.4 includes several notes referencing a combined roof drain. Fixture schedule on P6.1 provides a model number for a single roof drain. Specification 221423 alludes to a single roof drain. Please confirm desired manufacturer/model for the combined roof drains.	See Addendum 3
17	10/21/2026	P2.5, column 24/O has a not to provide new roof drain but there is no storm pipe on P2.4. Please confirm if there is a roof drain to be installed here and if so, where the piping is to be routed.	See Addendum 3
18	10/21/2026	P2.5, column 24/Q states to replace roof drain. Please confirm this is to be a single RD-1.	See Addendum 3
19	10/21/2026	P2.5, column 24/S.2 states there is a new roof drain to replace existing. Please confirm this is the same RD-1 shown in this location on P2.4.	See Addendum 3
20	10/21/2026	P2.5, column 12/E.5 calls for a new roof drain to replace existing. Please confirm if this is to be a single RD-1.	See Addendum 3
21	10/21/2026	There were a lot of subcontractors in attendance at the walkthrough. Can the pre-bid attendance sheet please me shared via addendum?	See Addendum 1
22	10/21/2026	What are the procedures for requesting a second walkthrough for those subcontractors and suppliers who couldn't make it to the pre-bid meeting.?	Bid as shown in documents.
23	10/21/2026	We would like to request a two-week bid extension for this project. A project of this size needs more than the intial time given.	See Addendum 2
24	10/21/2026	During the walkthrough, there was a lot of talk regaring phasing and enabling. Can the phasing and logistics be clarified to ensure all bidders understand the requirements?	See 01 32 13 Special Project Schedule/Phasing
25	10/21/2026	Please provide the number of Campus furnished sings for the contractor to install per spec 01 00 00 Item 01 64 00 1.b)	See A11.22-A11.26.
26	10/21/2026	Please provide the current rental agreement for the Consultants Field Ofiice. Per 01 52 13 we are to continue the current agreement used for phase 1.	See Addendum 2
27	10/21/2026	Logistics Plans and Active Labs Question: Will there be logistics plans provided noting what is to remain active within the Plant Science building and a planned egress plan for said active areas. Based on the walkthrough yesterday it appears that there are going to be at least 5 active occupied areas around the project. There are notes about enabling some of these areas with utilities but there do not appear to be any temporary doors or walls shown. Drawing P1.U notes that the teaching labs in the Phase 2 side of construction are to stay active but there are not any drawings showing where temporary walls should be placed or any other methods to keep the room active and remain in use during construction. There are other locations like Mann Library on the 1st floor, Plant Science on the 1st floor at the breezeway, Plant Science Loading dock elevator, Mann Library at the 2nd floor and the greenhouses that connect to the work area, is there a plan for securing these areas from the construction areas during construction? Please review and advise.	See P1.U in Addendum 3. Refer to future Addendum.
28	10/21/2026	Existing and New Office Trailers Question 1: While onsite for the prebid it was noted that there are 2 office trailers that exist from Phase 1. Drawing C0.1indicates that the trailers and the existing fence and gate are to remain at these trailers. There was no fence at these trailers during the walk through, is this area to be fenced in?	Bid as shown in documents.

RFI #	Date	Question	Response
29	10/21/2026	Existing and New Office Trailers Question 2: In the General Requirements specification section 015213 Field Office for the Consultant and Contractor talks about the contractor taking over the rental of the 2 units observed onsite but it also talks about a 3rd trailer for the Consultant that is 30 ft by 12 ft that is fitted out with accessories and office equipment for the project. Please provide a location for this trailer (including utilities for connection).	See Addendum 2.
30	10/21/2026	Light Pole and Conduit Installation Question #1: There are light poles and conduit shown to be installed on E0.3. Drawings C0.2 (Site Demo) and C2.1 (Layout and Materials Plan) do not show any sidewalk or asphalt removals. The pathway for conduit shown on E0.3 appears to run through the new stairs poured during Phase 1 and runs along some of the plantings in the beds that are shown to be protected to remain. The light pole bases along the sidewalk adjacent to the greenhouse are in a planting bed that was noted as being very important to the campus. Please review and advise if boring under the stairs is required and if any of the protected plants in the vicinity of the new light pole bases are to be removed during this excavation.	Refer to future Addendum.
31	10/21/2026	Light Pole and Conduit Installation Question #2: The quantity of light poles and bases shown on E0.3 and C2.1 do not match. Please confirm which drawing is correct.	See Addendum 3
32	10/21/2026	Staging Storage Question: Is the staging storage area (next to the Plant Science Building) shown on C1.1 to be fenced in? Currently C 1.1 does not show any fencing around this area. Is this area to be restored at the end of the project?	Refer to future Addendum.
33	10/21/2026	Column Reinforcing at Tunnel Level Question: On drawing S1.00 in the north to south tunnel section that runs between Column Line 18 and 19 the columns at J-M line show the * symbol for column reinforcing per 10 on S5.0. This reinforcing is shown at the floor level. The columns noted to be reinforced appear to be in the tunnel wall. Is the intent for the slab on grade to be demoed and lead abatement at the Ground floor enough for this reinforcing to occur at ground floor or done the tunnel wall need to be removed and patched to allow this reinforcing at the tunnel floor level?	See details and reinforcing schedule on S5.0.
34	10/21/2026	2nd Floor Door to Green Roof Floor and Ramp Question: AD1.2 states to remove the concrete ramp and stairs at door X20041, the door is elevated above the corridor slab. Drawing A11.05 seems to show terrazzo being installed over an existing surface at this location where the ramp and stair are shown. Please provide details on what the ramp and stairs should be constructed from.	Refer to future Addendum.
35	10/21/2026	Exhaust Fan F-3 and F-4 Demo Question: On drawing MD1.1 note 20 states that the exhaust fan and ductwork are to be removed complete. There does not appear to be any details on the structural or architectural drawings to infill these openings. What type of roof is this area? What type of infill should be done at this location?	See Addendum 2
36	10/21/2026	Question: What is the extent of the mat footing shown on 1/S2.0?	Bid as shown in documents.
37	10/22/2026	Question: Section 011100 states under work under other contracts that the Security work is by Cornell University then the schedule of owner furnished items in this spec states that the security equipment (selected) is by the owner. The security integrator is noted on drawing TY0.0 as FF&E. FF&E is typically provided by the owner (Cornell) or SUCF. Is the security integrator to be provided as part of the contract or will they be hired by others during the course of construction?	See Addendum 3
38	10/22/2026	Question: On drawing C1.1 note numbers 11 and 12 state that the area has built up space below, coordinate with Cornell for existing conditions information. Note 13 on this drawing noted that this area is currently slated for redesign and that any Phase 2 work should take that into account. In these areas there is work on the façade removing and replacing windows. C1.1 has the hash for 6’ scaffolding to be set up in these areas. There are no point loading requirements shown on this drawing or the structural drawing. Will there be any special shoring requirements for these areas? Is the work in area 13 going to occur during Phase 2, if so how will this impact the construction in that area?	Refer to future Addendum.

RFI #	Date	Question	Response
39	10/22/2026	Question: Details / Drawings 1/S2.3, 2/S2.9 show underpinning at existing footings to facilitate the new elevator shaft. Will an engineered underpinning sequencing drawing be issued? Underpinning is not an included item in section 01 35 73 Delegated Design, nor is delegated design required per section 312301 Excavation, Backfill, And Compaction (Building Area).	Refer to future Addendum.
40	10/23/2026	1. Please provide a bid extension for the project. Numerous subcontractors and suppliers are requesting one.	See Addendum 2
41	10/23/2026	We're pricing the doors, frames, and hardware on Plant Science Building Phase 2 (SUCF 161026-00). Quick question before we finalize: Section 08 71 00 lists Sargent as the preferred brand, but also names BEST 45H locks, BEST EDH9000 closers and Precision Apex exit devices as acceptable equals. Would you and Cornell be open to a full BEST/dormakaba package? It would save the Owner money with no change to function or Grade 1 performance, every item is already in your spec, and it puts locks, closers and keying under one manufacturer. If Cornell is standardized on Sargent, just let me know and we'll price it as written. What we're proposing (all named as acceptable manufacturers in your spec): • Mortise locks: BEST 45H series in place of Sargent 8200 (same Grade 1 functions: storeroom, office, classroom, privacy) • Electrified locks: BEST 45H electrified in place of Sargent SN200 82271 (24VDC, fail-safe/fail-secure per the sets) • Exit devices: Precision Apex 2000 in place of Sargent 80 series, including the fire-rated devices • Closers: BEST EDH9000 in place of Sargent 351 • Hinges: McKinney as specified, no change	Bid as shown in documents.
42	10/23/2026	The electrical drawings E1.0 through E1.4 show a 120VAC circuit being run to every VAV box location, however, this is not the typical way that VAV boxes are powered at Cornell buildings and does not match how the VAV boxes on Phase 1 of this project are powered. In lieu of having 120VAC run to every VAV box, it would be our preference to instead have five 120VAC circuits installed in locations spread out throughout each floor. I would suggest three circuit in the main corridor, one in the east wing, and one in the north wing.	See Addendum 3
43	10/23/2026	1. Spec 01 52 13 states within 2 weeks of receipt of NTP, we are to assume reasonability for the rentals of the existing consultant and contractor structures. Please provide the monthly rental for these structures and the removal cost that we would need to figure into our proposal. 2. Spec 01 52 13, Number 1, 2 and 3 under the “provide new equipment”, list off (3) cell phones with unlimited plans, (1) all-in-one printer and (1) water cooler. Please “specify” what brand is required or equivalent too. 3. Spec 01 52 13, Number 4, please specify what the existing print is for ink purchases and service contracts. 4. With the contractor taking over the rentals of the existing office structures, do we still need to provide a 30’x12’ movable office that is connected to water and sanitary?	See Addendum 2
44	10/23/2026	CAS Reps represents Boyd Aluminum for windows, storefront and curtain wall. We'd like to add some more competition to the bid if that is okay with you. Attached is a substitution request to add Boyd Aluminum as an acceptable manufacturer under Section 08 51 13 Aluminum Windows for the Renovate Plant Science Building Phase 2 at Cornell (SUCF 161026-00, bid date 11/10/2026). Proposed: Boyd Series 3250XT thermal strut windows (3250XTF fixed, 3250XTP project-out / 3250XTC casement per the window schedule; 3-1/4" frame, 39 mm thermal strut, AW-PG80/PG100). The spec calls for a PVDF finish with a 20-year warranty, so I've included Boyd's finish chart.	See Section 2.20 of the Construction Agreement in Volume 1 of the Project Manual.

RFI #	Date	Question	Response
45	10/26/2026	In response to Phase II at Cornell, I would like to see if any of my sub-contractors would be willing to use Henry's All Weather STPE, PDS attached. I wanted to confirm with you, if submitted, would you approve as an acceptable alternate?	See Section 2.20 of the Construction Agreement in Volume 1 of the Project Manual.
46	10/26/2026	Drawing A1.5 has a note that states, New Seedum trays to match existing. At the prebid walk through it could not be determined the size or depth of the trays. Please provide details and a specification for the sedum trays that are to be replaced including what species of plants or grasses are to be used and if there is a specific dirt mix desired.	Refer to future Addendum.
47	10/26/2026	Unfortunately, our team was unable to attend the scheduled walkthrough for the Cornell Plant Science Project (#161026-00) Is there any possibility for us to visit the site on Wednesday (10/28)?	Bid as shown in documents.
48	10/27/2026	Slab thickness: Drawings S1.0 and AD1.0. Slabs at CL 17-20, D-F and 23.9-26, D-H. What are the thicknesses of the topping slab and cork insulation that are being removed and what are the thicknesses of the topping slab and geofoam that are going back?	See Addendum 2
49	10/27/2026	On the specifications for 13 21 00, it only mentions rooms G28 and G30. But on the drawings, it shows rooms G62, G60 as cold rooms as well. Additionally, I see a Warm Room (G64) and Growth Room (G50), are these able to be bid on as well? Sorry, also rooms G67D (Culture room), and G67E (Plant Growth/Equipment Room). Are these controlled environment rooms that we could review and bid on?	Bid as shown in documents; see A10.21.
50	10/27/2026	1. Can Norman manual roller shades be accepted as an equal to the products in the Wind ow Treatment Legend on A9.05 (RS-1 Draper; RS-1A, RS-2, RS- 3 MechoShade)? The proposed Norman shades match the specified fabric openness (1%, 3%, and opaque blackout), include fascia, include side/sill channels at RS- 2, and have chain clutch operation. Product data and fabric samples are available on request. 2. Roller shade type RS-3 (motorized) is listed in the legend on A9.05, but no RS- 3 tags appear on the plans. Please confirm whether RS-3 applies to any locations. 3. Please confirm whether the motorized projection screens (PS01) are in the Division 12 / window treatment scope or in the AV contractor's scope. 4. Please confirm which specification sections cover roller shades and projection screens, and send copies of those sections if possible.	1. See Section 2.20 of the Construction Agreement in Volume 1 of the Project Manual. 2. Refer to future Addendum. 3. See 11 52 13. 4. Bid as shown in documents.
51	10/27/2026	1. On the specifications for 13 21 00, it only mentions rooms G28 and G30 as cold room. B ut on the drawings, it shows rooms G62, G60 as cold rooms as well. Please clarify the inte nt. 2. Also rooms G67D (Culture room), and G67E (Plant Growth/Equipment Room). Are these controlled environment rooms as well?	Bid as shown in documents; see A10.21.
52	10/27/2026	•RFI 1: Aluminum Door Details oOn A9.10 details 14-21 depict aluminum storefront and aluminum doors. In reviewing the door and frame schedule on A9.10 & A9.11, it appears that there are no callouts for these particular details. Could you please confirm or advise if these details are/are not applicable to any of the doors/frames on the previously noted pages?	See Addendum 4
53	10/27/2026	•RFI 2: Doors on Schedule with Missing Info oOn the door schedule (A9.11), the following door/frame types and materials were left blank: G09S, G0043A, 111S, 402U, 202S, 211S, 20040A, 302S, 315S, 402T, 30042A, 30060S, 402S, 40061A. Could you please advise which door & frame types and materials these are to be?	See Addendum 4

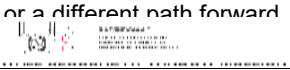
RFI #	Date	Question	Response
54	10/27/2026	•RFI 3: Door Glass Types oOn 16/A10.11 doors 113B, 113C, 113D and 113E are shown, but have no glass tags. Could you please advise what makeups these are to be? oDoors 128A.2, 128B, 128C, 128D and 10042 have no elevation view. Could you please advise what glass types these doors are to get? oOn 18/A10.14 doors 202A, 202B, 202C, and 202F are shown, but have no glass tags. Could you please advise what makeups these are to be? oOn 14/A10.12 doors 219B, 219C, 219D, 219E, and 219F are shown, but have no glass tags. Could you please advise what makeups these are to be? oDoor 230.2 is shown on 5/A10.30 but has no glass tags. Could you please advise the makeups these are to be? oDoor 236 is shown on 3/A10.30 but has no glass tags. Could you please advise the makeups these are to be? oOn 17/A10.15 doors 302A and 302B are shown but have no glass tags. Could you please advise what makeups these are to be? oDoor 302E is shown on 15/A10.15 but has no glass tags. Could you please advise the makeups these are to be? oOn 14/A10.13 doors 319B, 319C.1, 319C.2, 319D, 319E, and 319F are shown but have no glass tags. Could you please advise what makeups these are to be? oOn 15/A10.16 doors 402A, 402B and 402D are shown but have no glass tags. Could you please advise what makeups these are to be?	Refer to future Addendum for 230.2. See Addendum 4 for all others.
55	10/27/2026	•RFI 4: Door Discrepancies oDoors G01, G02, G03, G04 and G05 are listed on the door schedule to be door type G2, but in elevation views on 9 & 10/A8.10 are shown to be door type C. Could you please advise which is correct? oDoors G0051 and G0052 are listed on the door schedule to be door type D, but in elevation views on 1 & 11/A8.10 appear to be shown as door type C. Could you please advise which is correct? oDoor 133 is listed on the door schedule to be type A, but in elevation view on 1/A8.11 is shown as door type B. Could you please advise which is correct?	See Addendum 4
56	10/27/2026	Is there more info available on eyewashes? We have been asked for model #'s that do not appear to be in the schedules or specs.	Refer to future Addendum.
57	10/27/2026	Question 1: In the bid set specifications there is a specification for Integrated Door Assemblies but after reviewing A 9.11 there does not appear to be integrated doors indicated on the door schedule. Please review and advise if there are any integrated doors on the project and if so please update the door schedule to show which doors are to be integrated doors. Question 2: If there are integrated doors for the project which hardware set should be used for the doors, the hardware set in the 087100 specification or the hardware set that is in the 081713 Integrated Door Assemblies.	See Addendum 4
58	10/27/2026	1.In the specifications for 13 21 00, it only mentions rooms G28 and G30. But on the drawings, it shows rooms G62, G60 as cold rooms as well. Are rooms G60 & G62 part of bid package 13 21 00? 2.We are seeing a Warm Room (G64), Growth Room (G50), G67D (Culture room), and G67E (Plant Growth/Equipment Room). Are these controlled environment rooms? If so, are we to follow spec 13 21 00 or please provide additional specifications.	Bid as shown in documents; see A10.21.
59	10/27/2026	3.Please provide spec for Operable Glass Partition, drawing A11.06.	Refer to future Addendum.
60	10/27/2026	4.ACT-2 is called out on the legend on the Reflected ceiling plans but is not called out anywhere on the drawings. Looking at the finish schedule, ACT-2 is not called out as well. Please advise.	Refer to future Addendum.
61	10/27/2026	5.Please provide date for when last questions are due.	See Addendum 1
62	10/27/2026	6.Please provide a 2 week bid extension. Numerous subcontractors and suppliers are requesting one. With the size of the project, this was a very short bid period. Additional time is needed and requested.	See Addendum 2

RFI #	Date	Question	Response
63	10/27/2026	2.) Please identify locations for temporary partitions?	Refer to future Addendum.
64	10/27/2026	3.) Drawing MD2.0 shows the demolition of mechanical piping and equipment. Can we receive better clarity of the extent of the piping demolition on this floor. All lines are bolded but not indicating they are being demolished.	See Addendum 2
65	10/27/2026	4.) Spec 011100-3, Item C, mentions the GC is responsible for renting a warehouse facility. Can you please clarify this note? Shouldn't this be contractors means & methods?	Refer to future Addendum.
66	10/27/2026	5.) Would scaffolding services / shoring services be excluded from the PLA? Please confirm.	Refer to future Addendum.
67	10/27/2026	6.) We are unable to get pricing on the specified 30x12 trailer as this is a custom layout and requires the NYS insignia which will need to come from the factory. Lead time would be approximately 6 months from order. Would a standard rental option like a 44x10 or 50x12 be acceptable? Is there a scheduled location where this will be going?	See Addendum 2
68	10/27/2026	7.) Spec 010000-73: Are the (3) touch-tone phones a project requirement? Would cell phones work?	See Addendum 2
69	10/27/2026	8.) Spec 010000-41 mentions providing 3 cell phones. Spec 010000-44 also mentions providing 3 cell phones. Can you please confirm whether it is 3 or 6?	See Addendum 2
70	10/27/2026	9.) Can you please confirm we are able to utilize the existing elevator?	Refer to future Addendum.
71	10/27/2026	10.) I don't have a SUCF bid submission envelope. Can you please confirm we can submit in a standard envelope with the appropriate identification on the outside.	Refer to future Addendum.
72	10/27/2026	11.) Please advise whether the temporary fencing needs screening? The specs and drawings are contradictory to each other.	See 01 55 29 Staging Area and Storage of Materials Section 10 and Cornell section 01 50 00-2.11.
73	10/27/2026	12.) Is the concrete encased steel beam patching limited to spray fireproofing? Please further clarify expectations for patching.	See Structural Steel Note 11 on S0.2.
74	10/27/2026	13.) We have had subcontractors ask if it would be possible to arrange for a second site visit walkthrough?	Bid as shown in documents.
75	10/27/2026	14.) 4 / S2.0 references detail 14 / S5.2. Please provide this detail.	See Addendum 2
76	10/27/2026	15.) Roof walkway pads: please clarify if you would like a 2' wide pad or 4' wide pad.	See 07 72 00 Section 2.6.A.
77	10/27/2026	16.) Drawing TA0.1 has an AV responsibility matrix. Can you please confirm whether the items labeled by AV contractor will be hired direct by Cornell or hired direct by GC?	Refer to future Addendum.
78	10/27/2026	17.) Drawing C1.1 show's numerous plantings within the note #10 hashed area preventing material access to building. Can these plantings be temporarily relocated to allow material access into building?	Refer to future Addendum.
79	10/27/2026	18.) We are receiving feedback from the subcontracting community requesting additional time to prepare bids due to the size and complexity of this project. Accordingly, we respectfully request a two-week extension to the bid deadline to allow subcontractors sufficient time to develop comprehensive and competitive proposals.	See Addendum 2
80	10/27/2026	19.) Please provide structural detailing for the new exterior wall opening at loading dock.	See Addendum 2
81	10/27/2026	20.) BIM Coordination: What Revit versions are the design files?	Refer to future Addendum.
82	10/28/2026	Equipment list (27 41 16 §1.3.F.2, F.5; TA0.1): The itemized SM&W equipment list and AV Equipment Schedule form are referenced but not included in the specs, Vol 1/2, or TA drawings. Please issue them with basis-of-design models and quantities.	See Addendum 3

RFI #	Date	Question	Response
83	10/28/2026	Please provide information on the following fixture types not shown on fixture schedules. TypeShown On AX04Site E0.3 AX07Site E0.3 KE2.0 (Elevator Pit) SNE2.0 through E2.4 EXITE2.0 through E2.4	See Addendum 3 for fixture types KE, SNE, EXIT. See future addendum for AX04 and AX07.
84	10/28/2026	Please provide information on the following fixture type. AK01 – Lab Bench Task Lighting This fixture is furnished with the bench and looks like it plugs into a USB type outlet on the bench. Where is the power for this coming from? Is it fed from one of the Receptacle circuits to the bench shown on the power drawings or from the Room Lighting circuit via the RC Room Controller for the room shown on the lighting drawings?	Refer to future Addendum.
85	10/28/2026	AX05 counts and locations on E0.2 demo and E0.3 new drawings The upper right group on E0.2 shows 3 fixtures to be replaced in kind but E0.3 only shows 2 fixtures at that location. Should the 3rd fixture also be replaced? The lower right group shows 3 fixtures to be replaced in kind but E0.3 shows 2 fixtures being replaced and 2 more in new locations. Is the right most fixture intended to move down?	Bid as shown in documents.
86	10/28/2026	Rooms G08A, G08B & G080 -Please confirm unmarked fixtures are Existing to Remain. Please provide fixture type for Unmarked fixture between the Type K in the elevator and the AW01 in the GN Toilet / Shower Room	Refer to future Addendum.
87	10/28/2026	Drawing E2.1 Please verify the Fixtures shown in Breezeway 10043 are existing to remain.	Refer to future Addendum.
88	10/28/2026	Drawing E2.4 shows a small black line marked AK01 next to a wall cabinet. Drawings E2.1, 2,2 & 2.3 Show a similar strip unmarked or with a “?” next to them in the labs at the end of the Lab Tables. Are these also type AK01?	Refer to future Addendum.
89	10/28/2026	We purchased the bid documents and plan on bidding the Cornell-SUCF Renovate Plant Science Building as a major subcontractor that will sign the Project Labor Agreement. However we are requesting a bid extension of no less than 2 weeks (11/24/26). Currently bids are due 11/10/26 at 2 pm. Please advise as soon as possible if this can happen. Thank you and any questions please reach out.	See Addendum 2
90	10/28/2026	Is RUF duct acceptable for Roof Top Applications?	Bid as shown in documents.
91	10/28/2026	Please provide written specifications for Argon and Helium piping.	See Addendum 3
92	10/28/2026	The P4 series drawings reference piping that is labeled SG1. Could you please clarify what that service is and provide specifications?	See Addendum 3
93	10/28/2026	Please Clarify Note D17 on AD2.0-AD2.4. The note makes reference to topping slab and cork insluation, however these are reflected ceiling demolition drawings. Is there really a topping slab with cork insulation in the ceiling?	Refer to future Addendum.
94	10/28/2026	10/S5.0 has a note regarding lead paint abatement @ existing columns, and refers to HAZMAT DRAWINGS. The HAZMAT DRAWINGS do not adress what is required at these locations	See Lead Removal Note L-1 on Sheet HM0.0 and throughout HM series. See S-series drawings for structural steel scope.
95	10/28/2026	Note 6 on S1.0 shows a symbol that represents Concrete Slab on Metal Deck. The symbol is shown in plan where there is no deck, there was an existing cold room that was removed leaving a depression in the slab on grade. The note shown at these areas says to remove the topping provide geofoam and place a 4" slab. Please confirm 1. there is no metal deck : and 2. The thickness of the geofoam to be placed under the new 4" slab.	See Addendum 2

RFI #	Date	Question	Response
96	10/28/2026	Drawings A3.3 and A3.4 have drawing note F12 - Obscure Glass Type IGU-B in This Unit pointing to single windows with "Typ." after it. Does this mean that all windows on this elevation, just that window type, or just windows in that row get the obscure glass? Please advise.	See Addendum 3
97	10/28/2026	The size of window A15 as shown on drawing A9.8A does not seem to match the window size as shown on the exterior elevation drawings. Please advise which is correct.	See Addendum 3
98	10/28/2026	The table of contents says that the signage is to be OFCI but the 10 14 00 does not indicate this. Please confirm whether or not the signage as part of 10 14 00 is to be OFCI.	Refer to future Addendum.
99	10/29/2026	1) The equipment schedule for room 219G (A10.72) calls for (2) EQ-1 and (2) EQ-1A fume hoods. One of each are shown. How many EQ1 & EQ1A Fume hoods should be included in room G23?	Refer to future Addendum.
100	10/29/2026	2) The equipment schedule (A10.77) calls for (1) EQ11 snorkel in G01 and (4) EQ11 snorkels in G02. None are shown in G01 and (3) are shown in G02. Please verify the correct number of EQ11 snorkels in G01 & G02.	Refer to future Addendum.
101	10/29/2026	3) Is the SH5 shelving in Cold Room G34 OFOI? In Cold Room G30 & G28 the SH5 shelving is noted to be OFOI, but the SH5 shelving in G34 is not listed on the equipment schedule.	Refer to future Addendum.
102	10/29/2026	4) According to the specifications, there is one EQ-7 Liquid Nitrogen Pour-Off Station in 228 (Flex Lab Support). One LN cylinder is shown on A10.22 with the designation 9-E06 which is OFOI. Please clarify what is to be provided for EQ-7.	Refer to future Addendum.
103	10/29/2026	5) Is the Biological Safety Cabinet in room G02 OFOI per the designation SE03 or CFCI per the designation EQ-8. Both designations are on the drawing for the BSC.	Refer to future Addendum.
104	10/29/2026	6) The equipment schedule in spec section 115300A lists qty. 1 EQ-3A in G61/G63. Please verify that there is (1) EQ-3A and it is in 304/304A.	Refer to future Addendum.
105	10/29/2026	7) The A10.77 equipment schedule calls for (1) CFCI ice maker but notes that the ice maker is from room 302 and is existing. Please clarify.	Refer to future Addendum.
106	10/29/2026	Reinforcing schedule on S5.0 calls out beam reinforcing of 12I36 beams at the first floor. There are no 12I36 beams shown to receive reinforcing on S1.1 or on any enlargements, please advise.	See Addendum 2
107	10/29/2026	In Phase 1 a square foot allotment of beam patching per floor was added by addendum in response to an RFI regarding the note “All existing framing not shown. Slabs are supported by concrete encased steel beams. Patch existing concrete encasement where damaged”. This note is not biddable without some type of quantity. Can the same be done for Phase 2?	See Addendum 4
108	10/29/2026	1. Specification 015213 Field Office For The Consultant And Contractor, paragraph 1 states “Provide (3) three cellphone(s) with unlimited wireless and data services equivalent to <specify>.”. Please specify what is desired.	See Addendum 2
109	10/29/2026	2. Specification 015213 Field Office For The Consultant And Contractor, paragraph 2 states “Provide one (1) “all-in-one” printer/copier/fax/scanner with networking capabilities similar to <specify>. Please specify what is desired.	See Addendum 2
110	10/29/2026	3. Specification 015213 Field Office For The Consultant And Contractor, paragraph 4.b states “Provide a service contract for existing photocopiers and printers <specify>, including all toner cartridge(s) and monthly service contract for the duration of the job.”. Please specify what is desired.	See Addendum 2
111	10/29/2026	4. Specification 083113 Access Doors And Frames was issued twice in the project manual. One version is 3 pages, the other is 7. Which is the correct specification?	Refer to future Addendum.
112	10/29/2026	5. Drawing A1.1 First Floor Plan – Phase 2 has an elevation callout at the lower right hand corner for elevation 3/A3.4. There is no detail 3 on drawing A3.4. Please provide.	Refer to future Addendum.
113	10/29/2026	6. Drawing A1.2 Second Floor Plan – Phase 2 has a detail callout on the left hand side of door 219.1 for detail 5/A11.03. There is no detail 5 on A11.03. Please provide.	See Addendum 4
114	10/29/2026	7. Drawing A1.5 Roof Plan – Phase 2 has multiple detail callouts for 2/A6.3. There is not detail 2 on A6.3. Please provide.	See Addendum 3

RFI #	Date	Question	Response
115	10/29/2026	8.Detail 13/A6.5 has a section cut of 12A/A6.5. There is no 12A detail on drawing A6.5. Please provide.	Bid as shown in documents.
116	10/29/2026	9.Detail 8/A7.05 Enlarged Plans And Views – Open Office Spaces shows a glass transom. Which frame type is it 8, 16 or 26?	Refer to future Addendum.
117	10/29/2026	10.Drawing A7.07 Enlarged Plans And Views – Support Spaces lacks identifying information regarding casework, countertops, shelving and other items. Please provide more information.	Refer to future Addendum.
118	10/29/2026	11.Drawing A9.10 Door & Frame Elevations And Details – Phase 2, Frame Types 1D, 12, 16 and 26 thru 31 do not have head, jamb, sill and butt glazing/intermediate mullion details noted. Please provide.	See Addendum 4
119	10/29/2026	12.Drawing A9.10 Door & Frame Elevations And Details – Phase 2, Frame Type 2D has a section cut of 16/A11.00. There is no detail 16 on drawing A11.00, please provide. Frame 2D also has a jamb detail noted as number 1. There is no detail 1 on A9.10, please provide.	See Addendum 4
120	10/29/2026	13.Drawing A9.11 Door & Frame Schedule – Phase 2 a.Please provide a column for door glazing. b.Please provide a column for glazing films for door glazing. Glazing films are called for throughout the interior elevations. However, every door that may potentially have glazing film does not have an elevation. Adding a column to the door schedule for film will greatly reduce the amount of time required to determine what is desired. c.Door number, G01 is marked as Yes for Power Operation, no Auto Operator is listed in hardware set #16. Please advise if one is desired at this opening. d.Door number G09S does not indicate door type, frame type or hardware set. Please provide. e.Door number G0043A does not indicate door type, frame type or hardware set. Please provide. f.Door number 111S does not indicate door type, frame type or hardware set. Please provide. g.Door number 402U does not indicate door type, frame type or hardware set. Please provide. h.Door number 202S does not indicate door type, frame type or hardware set. Please provide. i.Door number 211S does not indicate door type, frame type or hardware set. Please provide. j.Door number 219.2 is noted as using frame type 18 as aluminum. Drawing A9.10 notes detail 4 for head and jamb of frame type 18. Detail 4 notates the material as hollow metal. Please clarify what material frame is desired at this location. k.Door number 20040A does not indicate door type, frame type or hardware set. Please provide. l.Door number 302A does not provide valid dimensions or thickness. Please provide. m.Door number 302S does not indicate door type, frame type or hardware set. Please provide. n.Door number 315S does not indicate door type, frame type or hardware set. Please provide. o.Door number 402T does not indicate door type, frame type or hardware set. Please provide. p.Door number 30042A does not indicate door type, frame type or hardware set. Please provide. q.Door number 30060S does not indicate door type, frame type or hardware set. Please provide.	a. See Addendum 4 b. Bid as shown in documents c. Refer to future Addendum. d. See Addendum 4 e. See Addendum 4 f. See Addendum 4 g. See Addendum 4 h. See Addendum 4 i. See Addendum 4 j. See Addendum 4 k. See Addendum 4 l. See Addendum 4 m. See Addendum 4 n. See Addendum 4 o. See Addendum 4 p. See Addendum 4 q. See Addendum 4 r. See Addendum 4 s. See Addendum 4 t. See Addendum 4
121	10/29/2026	14.Please reference drawing A11.06 Interior Details – Operable Glass Partition. Please provide a specification.	Refer to future Addendum.
122	10/29/2026	15.Please reference A11.22 Ground Floor Signage Plan – Phase 2. There are several signs listed in the Ground Floor Signage Schedule Phase 2 that are not detailed on A11.20 & A11.21. Please provide complete information so that installation costs can be determined accurately. This occurs again on A11.23 and A11.25.	Refer to future Addendum.

RFI #	Date	Question	Response
123	10/30/2026	Mullion Mates: In rooms 105, 205 & 311, there is a callout that takes you to 7/A11.01 that depicts a gap closure similar to that of a Mullion Mate. It calls for these to maintain a 1-hour fire-rating. After reviewing the Mullion Mate information online, they have a two-hour rated option that can close a gap =<8.5" and an option that can close a gap =<13.5" with no listed fire-rating. When scaling this detail, it appears that the gap between the wall and the mullion is 13.25". See below snip. Could you please advise/confirm if the 13.25" gap is accurate, if it is - whether the non-rated option is acceptable, or a different path forward. 	Refer to future Addendum.
124	10/30/2026	Insulation at Metal Panels: Details 1, 2, & 3/A6.21 depict three different wall conditions as it pertains to the Headhouse/metal panels. These details depict insulation, and call it out as such, but do not specify whether it is to be rigid insulation or mineral wool. Could you please advise which of these are to be used in these applications?	Refer to future Addendum.
125	10/30/2026	Louvers L6 & L7: On sheet A6.21, there is a Louver schedule depicted for presumably the new louvers on this project. All Louvers L1-L5 have been located, but L6 and L7 have not been able to be found. Could you please confirm/advise that these louvers are applicable, and if so, where they occur?	Refer to future Addendum.
126	10/30/2026	Due to the size and complexity of this project, on behalf of our team and many of our prospective subcontractors, respectfully request a bid date extension of at least two weeks.	See Addendum 2
127	10/30/2026	Can we receive an approximate volume of the existing glycol system that needs to be drained and refilled. Also can it be verified whether the owner will provide the mechanical contractor with the glycol required for this or will the mechanical be responsible for replacing the glycol in the system?	Refer to future Addendum.
128	10/30/2026	References – 01 32 13. 2 (page 12 of section 01 00 00, there are two section 2's under this spec.) The spec states "In order to assist the Contractor in the planning and scheduling of construction activities, the Contract Documents have diagrams and narratives depicting a preferred sequence for closing off portions of the buildings and Campus and for performing and completing portions of the work." While there are phasing notes in the plumbing, fire suppression, mechanical, electrical and fire alarm drawings, there do not appear to be architectural phasing drawings indicating a preferred sequence of work or pedestrian control from adjacent buildings (Weill Hall Tunnel for example). Please confirm if there are additional phasing drawings.	Bid as shown in documents.
129	10/30/2026	Specification 13 21 00 Controlled Environmental Rooms - Please provide an estimated installation date required for CER combo room	Bid as shown in documents
130	10/30/2026	Specification 13 21 00 Controlled Environmental Rooms - Per utility appendix included in the specification. o Line 1: Regarding the external room dimensions. The external height listed is 7'6", while RCP dwg. A2.0 calls for 8' ceiling height. Please confirm if 9'7" over all external height is acceptable, which would result in ~7'6" ceiling plenum internal clearance above finish floor. o Line 11: Based on the building ventilation temperature and relative humidity provided a dehumidifier will be required. Please advise where the dehumidifier will be located and electrical supply available	Refer to future Addendum.
131	10/30/2026	Specification 13 21 00 Controlled Environmental Rooms - Please provide electrical supply available for condensers.	See Addendum 3
132	10/30/2026	Specification 13 21 00 Controlled Environmental Rooms - Please confirm 230 volt outlets included in these rooms are to terminate at disconnect on top of walk in.	See Addendum 3
133	10/30/2026	Specification 13 21 00 Controlled Environmental Rooms - Please confirm the raceways are to be powered through the CER control panel	See Addendum 3

RFI #	Date	Question	Response
134	10/30/2026	1. S1.0 – area of existing depressed slab. T/Slab (878') between column lines 17 & 20 – states to infill w/ geofoam and 4" slab. Top of concrete to match existing. The existing top of concrete in the hallway is 878. So if we add geofoam (How much?) and a 4" slab, we will be higher than the existing slab. Please advise. Also, the shading in this area is the same shading as Note #6 shadowing, which is a totally different slab configuration than what is called out. Please advise.	See Addendum 2
135	10/30/2026	2. S1.1, 1.2, 1.3, 1.4 and 1.5. Bold Boxed Note states patch existing concrete encasement where damaged. There is no way to quantify the extent of "Damaged" encasement. Please explain more or provide a quantity of area we can provide a price on so all contractors are biding the same thing.	Refer to future Addendum.
136	10/30/2026	3. Please provide an additional time for another walk-through of the space to better understand existing conditions and access within areas.	Bid as shown in documents.
137	10/30/2026	In the AD 2 series drawings there is a note D18 that indicated in the red shared areas the plaster ceiling is to be demoed and exterior wall to be parged above where the ceiling is removed. This appears to be detailed again with Note D 2 on AD5.1 which shows this plaster ceiling demo. Detail 2 on A 6.2 also appears to show this parging referenced on the demo drawings but none of the drawings have a ceiling height to allow for a takeoff on quantity to be parged. Please provide ceiling heights so that an accurate takeoff on parging can be done at these locations.	Refer to future Addendum.
138	10/30/2026	Question #2: A 6.2 Detail 4 calls for patching at the void where existing walls joined the exterior walls. The AD 1 series drawings only has a typical wall removal note but does not saw what type of wall construction the existing walls are. The patching shown on A6.2 Detail 4 would only be required where masonry walls were removed. Are all interior walls to be demolished to be considered masonry?	Refer to future Addendum.
139	10/30/2026	The contract documents contain specification section 321216 Asphalt Paving and Drawing C6.1 has details for asphalt mill & overlay and striping. However, there are no areas shown on the plans that are to be milled and paved. Please advise.	Refer to future Addendum.
140	10/30/2026	Detail 4 on A6.2, shows to areas of plaster patching/repair. There is no way to quantify the amount of repairs/patching that is required. Please provide an amount to base our bid on so all contractors are on the same playing field.	Refer to future Addendum.
141	10/30/2026	There is a spec for asphalt paving, but C2.1 does not call out anything for paving. I see the detail for Mill and overlay on C6.1, but where does it happen? Please advise.	Refer to future Addendum.
142	10/30/2026	Please advise we are to provide NO new plantings/trees. We are only seeding the lawn areas of disturbance. Is this correct?	Refer to future Addendum.
143	10/30/2026	On lab equipment schedules. a. A10.71 – room #113G – 6-E28 States under "provided by/installed by" "CFCI? Could Be?" b. A10.73 – Room #319E – Mott Tall Cabinet States under "provided by/installed by" "CASE" c. A10.76 – Room #402D – 11-E23 States under "provided by/installed by" "OFOI?" d. A10.77 – Room G14 - States under "provided by/installed by" "Place Holder" for several equipment i. Please advise on all of these.	Refer to future Addendum.
144	10/30/2026	Detail 6/A9.8C notes that existing plaster is to remain if sound and replaced if damaged. There is no way to quantify this pre-bid. Can an allowance (dollar or square footage) be established to reasobly account for this scope?	Refer to future Addendum.
145	10/30/2026	Question regarding storm drain piping: - Specification section 221413 provides a spec for hub/spigot cast iron (2.2) and hubless cast iron (2.3) - Execution section (3.11) provides an option for use of PVC at underground applications - The pipe material schedule on P000 calls for cast iron on all pipe sizes of stormwater/does not permit use of PVC *Please confirm if PVC will be acceptable for underground stormwater.	See Addendum 3

RFI #	Date	Question	Response
146	10/30/2026	Drawing AD1.5 calls for the existing sedum trays to be removed and turned over for reinstallation after the façade restoration. Drawing A1.5 calls for new sedum trays where the old ones were removed. Which direction should we follow?	Refer to future Addendum.
147	10/30/2026	On S1.4 there is a section 5/S3.2 through the North Parapet of the west wing which shows FRP slab reinforcing. In addition there is a note Reinforce parapet walls shown shaded see S4.1-S4.3. This is very vague please provide the appropiate section at the appropiate location intended.	Refer to future Addendum.
148	10/30/2026	S1.4 has wall sections 5,6/S4.3 these sections refer to 4/S5.2 for wall to slab angle. However 4/S5.2 does not seem to be the correct detail, should the reference be 5/S5.2?	Refer to future Addendum.
149	10/30/2026	On the following drawings we are noted to relabel pipe in areas without pipe sizing or length shown or quantified. Could this please be quantified or an allowance be provided (drawings M2.0 note 4, M2.1 note 2, M2.2, note 2, M2.3 note 2, M4.1 note 1)	Refer to future Addendum.
150	10/30/2026	On M2.0 compressors are shown north of CL 20/D please confirm these are supplied and installed by owner.	Refer to future Addendum.
151	10/30/2026	Per note 2 on M4.0 & M4.1 re-insulation of existing pipe after abatement is required, please confirm that all pipe is show that requires re-insulation. If not shown please quantify.	Refer to future Addendum.
152	10/30/2026	What are the numbered note in the hexigon noting on drawing F1.4 and all other drawings noted?	See Addendum 3
153	10/30/2026	The fire suppression demo drawings only show demo of mains in corridors and noted risers. No demo is shown for the majority of the branches that would be in the existing offices. Branches are shown in the install drawings in these areas. Were these missed on the demo drawings or do they not exist? (see FD1.0A & F1.0 for one example)	Bid as shown in documents.
154	10/30/2026	Section 01 11 13 of the Cornell General Requirements (01 00 00) states that there is no coordination required with other Contracts. However, the TT, TY, and TA drawings call out several contractors we are to coordinate with. Please advise if the following contractors are by the owner or the GC: Audiovisual Contractor, Structured Cabling or Telecommunications Contractor, Security Integrator, Tel/Data Installer, and all responsibilities listed under "Owner" on the responsibility matrices.	See Addendum 3
155	10/30/2026	The responsibility matrix shown on TA0.1 indicates that Audio/Visual devices are by the AV contractor "As Described in the AV Bid Docs." Are these bid docs available to verify what is required of the AV contractor if they are separate from the GC contract?	See Addendum 3
156	10/30/2026	Please advise if all equipment/devices as shown in the "Audiovisual Equipment Schedule - Phase 2" schedule on TA0.1 is by the AV contractor. If not, please provide a matrix of who is responsible for each device/piece of equipment.	See Addendum 3
157	10/30/2026	Detail 5/A11.11 shows unistrut supports for the Projector. Who is responsible for these unistrut supports? If the GC is responsible, please provide detailed drawings of what supports are necessary.	Refer to future Addendum.
158	10/30/2026	Can the standard height of the typical corner guards in the land and corridors at labs be provided?	Refer to future Addendum.
159	10/30/2026	Detail 2/A6.2 – ‘Infill wall’ – Detail is showing an ‘infill wall’ and also wall type EXT-1A. Is the ‘infill wall’ only needed directly below all exterior windows? Can architect please provide location where the ‘infill wall’ is needed? For instance, detail 3/A6.2 does not show ‘infill wall’.	See 6/A9.8C tags on A9.8A.
160	10/30/2026	Shelving required by Division 105613 Metal Storage Shelving vs. the shelving required by Div 12 123553 Laboratory Casework - Are the shelving units noted as SH1, SH2, SH2.24, SH3, SH5.48, SH5 by Section 105613 or Section 123553? For example- drawings A10.10 through A10.30, shown SH shelving alongside other metal shelving which I think are laboratory casework shelving.	Refer to future Addendum.

RFI #	Date	Question	Response
161	10/30/2026	Shelving required by Division 105613 Metal Storage Shelving vs. the shelving required by Div 12 123553 Laboratory Casework - Are the shelving units noted as SH1, SH2, SH2.24, SH3, SH5.48, SH5 by Section 105613 or Section 123553? For example- drawings A10.10 through A10.30, shown SH shelving alongside other metal shelving which I think are laboratory casework shelving.	Refer to future Addendum.
162	10/30/2026	Millwork – Can a schedule be provided for millwork (non-Labcasework) – There is confusion between the Div. 6 and Div. 12 subcontractors. For instance, detail 4/A11.04. Is the Corain solid surface in main research lab Div. 6 millwork or Div. 12? All millwork in the Collab Rm is Div. 6 millwork, please confirm?	Refer to future Addendum.
163	10/30/2026	Spec. 09 62 29 – Please confirm location of Cork Flooring BOD Tomkt. Finish Schedule A9.05 calls CO-01 (cork flooring) in rms 119, 221,305 & 323. Finish Plans A9.1-A9.3 contradict and call out Terrazzo flooring. Please confirm Cork flooring Co-01 is needed for this project?	Refer to future Addendum.
164	10/30/2026	Spec 321216: Is this spec applicable to project? Please provide locations.	Refer to future Addendum.
165	10/30/2026	Spec 321216: Is this spec applicable to project? Please provide locations.	Refer to future Addendum.
166	10/30/2026	Spec 321723: Is this spec applicable to project? Please provide locations.	Refer to future Addendum.
167	10/30/2026	Drawing C2.1, Note #1: Please identify locations on drawing or include a square footage to include in our base bid.	Refer to future Addendum.
168	10/30/2026	Spec 078413: Is the intent of this specification to have a single source firestopping contractor?	Refer to future Addendum.
169	10/30/2026	Spec 01 00 00-43, Item 2.c.a: Please name the AutoDesk subscription you are looking for?	Refer to future Addendum.
170	10/30/2026	General Roofing Note 5 / A1.5: Please further clarify the expectation for this 1,000 sqft of LW concrete repair? Additionally, is the general design note #4 the same note?	Bid as shown in documents.
171	10/30/2026	Is there a specification for the sikalastic floor traffic coating? A3.6	Refer to future Addendum.
172	10/30/2026	Please provide the thickness of geofoam at the slab depression infill locations.	See Addendum 2
173	11/2/2026	It appears; the E-series drawings are missing the following Panel Schedules: LNPL-41-2, LNPL-31-2, LNPL-21-2, LNPL-22A & B, LEPL-OS-22, LNPL-11-1 & 2, LEPL-OS-11, LEPL-OS-01, HNLP-DP, HNLP-02, LNP-02, HELP-LS-02.	See Addendum 3 for LNPL-41-2, LNPL-31-2, LNPL-21-2, LNPL-11-1&2, LEPL-OS-01, LNP-02. See future addendum for additional panel schedules.
174	11/2/2026	On drawing E5.1, to the right-middle side of the one-line, two panels are labeled “LEPL-OS-22”. Please verify the correct labeling for these two panels.	See Addendum 3
175	11/2/2026	In specification 077200 there is a ballasted guardrail system noted in section 2.7. The roof drawing A1.5 does not appear to show any guardrail. Please advise if this is applicable to the project and if so please identify where it is to be installed.	Bid as shown in documents.
176	11/2/2026	Specification 077200 section 2.5 called out the duct supports for the ductwork on the roof. This section also refers contractors to 230550 for wind restraint for HVAC systems. There is a specific detail 13 on A 6.6 for guy wire anchors that is shown and called out at the exhaust fan stack on A1.5 Roof #010. Understanding that the system is a delegated design, for bidding purposes should the roofing contractors carry any additional penetrations through the roof at the duct supports beyond what is shown on A1.5A or detail 2 on A 6.6?	Bid as shown in documents.
177	11/2/2026	"Exit Signs References: Luminaire Schedule E6.8–E6.10; Spec Section 26 51 01, 2.12.A; lighting plans E2.0–E2.5 Issue: Exit signs are shown on the lighting plans, but no exit sign type is designated in the luminaire schedule, and the specifications contain no exit sign section."	See Addendum 3
178	11/2/2026	"Fixture Type SN References; Luminaire Schedule E6.8–E6.10 Issue: Fixture tag ""SN"" appears on the drawings, but there is no corresponding entry in the luminaire schedule legend."	See Addendum 3
179	11/2/2026	Refrigerator @ details 2/3/11 A7.07, who is responsible for furnishing and installing these?	Refer to future Addendum.

RFI #	Date	Question	Response
180	11/2/2026	1/A7.07 – states floor care equipment storage below shelving. Elevation details do not show any shelving. Please advise what is to be used.	Refer to future Addendum.
181	11/2/2026	9/A8.11 – restore/reinstall historic cold room entrance door. Please provide spec for restoration. What needs to happen?	Refer to future Addendum.
182	11/2/2026	4.AD1.2, states to demolish concrete ramp & landing. A11.05 shows new ramp configuration but where are the details for the new ramp concrete/steps/landing? Nothing is shown on structural drawings. Please advise.	Refer to future Addendum.
183	11/2/2026	A3.6 has notes about repairing Sikalastic Floor Traffic Coating, but there is no specification for this work, please provide a spec for the Traffic Coating.	Refer to future Addendum.
184	11/2/2026	There are specifications that are included in the spec book but do not have corresponding work on the drawings. Please advise why the following specs are included: 32 12 16 - Asphalt Paving, 32 17 23 - Pavement Markings, and any others that may be included without corresponding work on the drawings.	Refer to future Addendum.
185	11/2/2026	It appears; the E-series drawings are missing the following Panel Schedules: LNPL-41-2, LNPL-31-2, LNPL-21-2, LNPL-22A & B, LEPL-OS-22, LNPL-11-1 & 2 LEPL-OS-11, LEPL-OS-01, HNLP-DP, HNLP-02, LNP-02, HELP-LS-02.	See Addendum 3 for LNPL-41-2, LNPL-31-2, LNPL-21-2, LNPL-11-1&2, LEPL-OS-01, LNP-02. See future addendum for additional panel schedules.
186	11/2/2026	On drawing E5.1, to the right-middle side of the one-line, two panels are labeled “LEPL-OS-22”. Please verify the correct labeling for these two panels.	See Addendum 3
187	11/2/2026	Spec 01 52 13 Field Office for the Consultant Item 4b "Service contract for existing photocopiers, Printers including toner cartridges and monthly service contract for the duration of the job" Please provide the specifics for copiers printers etc	See Addendum 2
188	11/2/2026	The finish plans have SC-01 and SC-02 indicated, what are these products?	Refer to future Addendum.
189	11/2/2026	13 21 00 section there are two rooms included (G28 & G30), but I also see a Warm Room (G64), Growth Room (G50), Culture Room (G67D) and Plant Growth/Equipment Room (G67E). Are these rooms that can be bid on?	Bid as shown in documents.
190	11/2/2026	We have received multiple requests from subcontractors for a bid date extension. Can an extension please be provided for this project?	See Addendum 2
191	11/2/2026	Where is detail 5 on A11.03? Only goes to detail 4 on A11.03. Call out is on A1.2 @ door 219.1.	See Addendum 4
192	11/2/2026	What happens @ the terrace on the 2nd floor? Benches are shown, no details. What’s the floor composition? What’s the speckled area around the “floor”? detail 2 on A4.3 shows possibly a new concrete slab. Nothing called out on structural drawings. Is this part of contract work? please advise.	Refer to future Addendum.
193	11/2/2026	We are reviewing the plans for the Cornell Plant Science Building Phase 2 project and would like to see how National Partitions can support the new interior partitions and room build-outs. We manufacture 3-inch modular wall systems, including certified 1-hour and 2-hour fire-rated options, along with systems designed to meet sound-deadening requirements. We would like to schedule a Microsoft Teams call with your design team to review the project scope and discuss where our systems may be a good fit. Could you please share your availability or direct us to the appropriate contact?	See Section 2.20 of the Construction Agreement in Volume 1 of the Project Manual.
194	11/3/2026	Drawing A7.07 & Sim. – Labeling of shelving, cabinetry and etc. is missing on drawing A7.07 (and other similar interior elevations). Can identification of shelving, cabinetry and etc. be provided for drawing A7.07 and other interior elevations missing callouts?	Refer to future Addendum.
195	11/3/2026	Request for Equivalent Product, Div 11 Fume Hoods & Div 12 Lab Casework - In accordance with Information for Bidders 4(1)(b) and Agreement 2.20, requests review of BICASA North America as an equivalent manufacturer for: Laboratory Fume Hoods – Section [11 53 13] & Laboratory Casework – Section [12 35 53]?	See Section 2.20 of the Construction Agreement in Volume 1 of the Project Manual.
196	11/3/2026	Are Sections [11 53 13] and [12 35 53] sole-source, or is “similar and equal to” deemed inserted per 2.20(1)(a)? Will the Consultant review this request before bid and confirm BICASA North America by addendum? Or will equivalents for these sections only be considered after award under 2.20(2)?	See Section 2.20 of the Construction Agreement in Volume 1 of the Project Manual.

RFI #	Date	Question	Response
197	11/3/2026	LabCasework 12 35 53 - Table frame type - The specification calls for C-frame tables, but the drawings show 4-legged tables (e.g. A10.00 – T1/T1A/T1B). Please confirm whether we should price C-frame as specified or 4-legged as drawn.	Refer to future Addendum.
198	11/3/2026	LabCasework 12 35 53 - Snorkels / exhaust - Please confirm the scope for snorkels. Should we supply all snorkels, only those labelled EQ-11, or none?	Refer to future Addendum.
199	11/3/2026	ADA fume hoods - The drawings show 4 additional ADA fume hoods beyond those listed in the specification, in rooms 202, G.14, Plant Physiology, and Plant Physiology Prep. Please confirm whether we should follow the drawings or the specification	Refer to future Addendum.
200	11/3/2026	Spec. 06 01 20 - Maintenance of Finish Carpentry – Please identify in drawings all restorations identified in spec. such as: Remove and salvage existing wood railing/handrails, wood gate, and historic wood entrance doors and trim for off-site restoration and refinishing.	Refer to future Addendum.
201	11/3/2026	A9.00 calls for installation of RS-02 in the Mech Corridor but the room is not listed on the Finish Legend. Please provide more information regarding finishes in this room.	Refer to future Addendum.
202	11/3/2026	A9.01 calls for TZ-01A as the flooring of Collab 119, but the Room Finish Schedule on A9.05 lists for CO-01 which is annotated as the Tomkt Cork Flooring in the Flooring Legend of the same page. Please Clarify.	Refer to future Addendum.
203	11/3/2026	A9.02 calls for Hydraulic Cement Underlayment at various locations of the floor. The Finish Legend on the same drawing refers to Note 1 on A9.05, Div 3 and 9 Specifications but does not clarify an assumed depth like drawing A9.01 does. Please provide a quantifiable amount so we can accurately estimate these areas.	Refer to future Addendum.
204	11/3/2026	A9.02 calls for TZ-01A for flooring in Collab 221, but the Room Finish Schedule calls for CO-01/TZ-01A. Please clarify which is the correct flooring for this space.	Refer to future Addendum.
205	11/3/2026	Neither A9.02 nor A9.05 list any finishes for Room 20062 Sec. Cl., please provide this information.	Refer to future Addendum.
206	11/3/2026	Drawing A9.02 shows Flex Lab Support rm 228 as RS-05 for the flooring but A9.05 calls for RS-03 in that space. Please clarify which is correct.	Refer to future Addendum.
207	11/3/2026	Darkroom 302EA has the legend designation of RS-01, however the tag is missing in that space and the Room Finish Schedule has absolutely no information for this space. Please provide the required finishes for this space.	Refer to future Addendum.
208	11/3/2026	The entire Base column for the 3rd and 4th floor on the Room Finish Schedule of A9.05 lacks information. There is a designation given for types applied, but no specific selection provided. Please revise and provide the applicable finishes.	Refer to future Addendum.
209	11/3/2026	The Room Finish Schedule of A9.05 is blank for the Penthouse. Please provide the applicable or required finishes for this space.	Refer to future Addendum.
210	11/3/2026	Drawing A9.03 does not give a flooring tag for Room 309 Cyl. Clo. but shows the legend pattern for RS-01, but the Room Finish Schedule on A9.05 calls for RS-02. Please clarify.	Refer to future Addendum.
211	11/3/2026	Drawing A9.03 does not give a flooring tag for Room 309 Cyl. Clo. but shows the legend pattern for RS-01, but the Room Finish Schedule on A9.05 calls for RS-02. Please clarify.	Refer to future Addendum.
212	11/3/2026	A9.03 shows TZ-01A for the flooring at room 305 Collab., however, the Room Finish Schedule has this space as CO-01. Please clarify which finish is to be used on the floor in this space.	Refer to future Addendum.
213	11/3/2026	Volume 1, Section 01 11 00, 1.2.B lists "AV Integrator" as a separate concurrent contract. Can the AV Integrator bid as a subcontractor to the Electrical Contractor, or must 27 41 16 be bid as a separate prime contract directly to SUCF?	See Addendum 3
214	11/3/2026	The TA sheet title blocks read "PRE-BID PRICING SET" dated 07/09/2025 and 08/14/2025, while the bid documents are dated 08/31/2026. Please confirm the TA sheets are the current bid issue, or issue updated sheets.	See Addendum 3
215	11/3/2026	Does Cornell/CALS have standard Crestron code and UI templates that will be furnished to the AV Integrator for reuse? If so, please confirm whether custom programming is expected for SY01-SY03 and configuration-only for SY04-SY06.	See Addendum 3
216	11/3/2026	How are the 24 AV spaces split across Phases IIA-IID and any micro-phasing?	Bid as shown in documents.

RFI #	Date	Question	Response
217	11/3/2026	AST01 IR emitters are tagged in all 8 SY04 meeting/team rooms (and 404), but the specification does not state the assistive listening scope for these rooms, and the Listen Technologies quote referenced for the assistive listening system is missing from the bid documents. Please provide the Listen Technologies quote and confirm these rooms are included in the assistive listening system scope.	See Addendum 3
218	11/3/2026	Spec 1.3.F.4 requires costs for the Basis of Design product plus a minimum of 2 additional manufacturers. Please confirm how alternate manufacturer pricing is to be submitted, whether it is required for every line item, and whether the base bid may carry any listed or comparable manufacturer that meets the performance requirements.	See Addendum 3
219	11/3/2026	Spec 1.3.F.5 states that equipment totals from each equipment list are entered on the Summary page of the Audiovisual Equipment Schedule form. The form and equipment lists were not included in the bid documents we received. Please issue the Audiovisual Equipment Schedule form and confirm whether it is to be submitted with the bid.	See Addendum 3
220	11/3/2026	Small AV equipment rack RCK-03 (18RU, mobile on casters) is shown in the SY01 and SY02 systems. Please confirm whether RCK-03 is a separate rack from the 18RU rack within the lectern, or the same unit.	Bid as shown in documents.
221	11/3/2026	SPK-02 appears only in a TA7.1 detail (QSC AD-C6T-LP) and is not tagged on any plan. Please confirm the quantity and locations of SPK-02, or confirm none are required.	Bid as shown in documents.
222	11/3/2026	TA7.1 notes "PROJECTOR, MOUNTING BRACKET & PIPE (LENGTH TBD IN FIELD) BY CIT AV." Please confirm projectors, mounting brackets and pipes are owner-furnished and installed by others, and excluded from the AV Integrator's scope.	Bid as shown in documents.
223	11/3/2026	For SY01 (Room 104), the TA3.0 ceiling plan shows 10 SPK-01 ceiling speakers, which does not match the quantity shown on TA6.0. Please confirm the SPK-01 quantity for Room 104.	See Addendum 3
224	11/3/2026	Assistive Listening: Can you obtain the referenced Listen Technologies quotation and confirm the required quantities of receivers, neck loops, and charging stations?	See Addendum 3
225	11/3/2026	Credenza rack RCK-02: Is RCK-02 integrated rack rail within the credenza or a standalone rack? Please confirm the rack capacity, manufacturer, and model.	See Addendum 3
226	11/3/2026	FPD03 Mounting: Should FPD03 in the Team Rooms be wall-mounted, pole-mounted, or installed on a freestanding display stand? Can you provide the applicable mounting detail?	Refer to future Addendum.
227	11/3/2026	Schedule and site logistics: Can you confirm the AV installation/commissioning window, normal working hours, site-access restrictions, and whether secure on-site equipment storage will be available	See Project Manual, Volume 1.
228	11/3/2026	We did not see a list of preferred AV equipment. Does such a list exist and will it be provided	See Addendum 3
229	11/3/2026	Note Provided: EXISTING AHU WITHIN THE HIGHLIGHTED AREA IS SCHEDULED TO BE REPLACED. PHASE 2 CONTRACTOR SHALL FIELD VERIFY EXISTING SPRINKLER COVERAGE AND CONFIRM THAT THE NEW AHU INSTALLATION WILL BE ADEQUATELY PROTECTED IN ACCORDANCE WITH NFPA 13. MODIFY OR PROVIDE ADDITIONAL SPRINKLERS AS REQUIRED TO MAINTAIN CODE COMPLIANT COVERAGE. The existing sprinkler coverage can not be field verified unitl the new AHU is set in its location. Please provide allowance or contingency for this work since it may or may not be necessary.	Refer to future Addendum.
230	11/3/2026	Drawing C1.1 indicates that the existing vegetation protection from phase 1 must be maintained. However, during the walkthrough, it was noted that there is no vegetation protection present. Please provide details as to what is currently in place and what needs to be maintained so adequate costs can be appropriated.	Refer to future Addendum.
231	11/3/2026	Please identify the areas affected by Note 1. on drawing C2.1	Refer to future Addendum.
232	11/3/2026	Detail 2, 7, and 8/A8.20 look to be missing a toilet paper dispenser and a sanitary napkin deisposal. Please advise if these are required.	Refer to future Addendum.

RFI #	Date	Question	Response
233	11/3/2026	The elevation drawings on A8.20 looks to be missing the ADA grab bar(s) in the shower. Please advise if this would be required.	Refer to future Addendum.
234	11/3/2026	Where are the details for note 2 duct supports on drawing M1.5?	Refer to future Addendum.
235	11/3/2026	Please confirm there are no RS-3 window treatments on the project. They are on the schedule on A9.05, but do not look like they are on the drawings. Please advise.	Refer to future Addendum.
236	11/3/2026	It looks as though the plan set is missing drawing A9.06. Can this please be provided.	Refer to future Addendum.
237	11/3/2026	Can detail 5/A11.03 be provided? Callout on drawing A1.2	See Addendum 4
238	11/3/2026	Can the wire shelving of spec section 105613 be chrome plated steel or powder coated steel? The listed manufacturers, such as Equipto, doesn't offer stainless steel as the spec. mentions.	Refer to future Addendum.
239	11/3/2026	The Specialty Materials Schedule on A9.05 lists FORBO tackboard. The spec section 101100 Visual Display Surfaces specifies Tackboard Assemblies under part 2.5. Can Architect please identity in the drawings where the FORBO tackboards are?	Refer to future Addendum.
240	11/3/2026	Please confirm the intent is to have two all in one printer/copier/scanner with monthly service contract. Or is it just one?	See Addendum 2
241	11/3/2026	Drawing A9.10 & A9.11 Per door schedule A9.11 these frames are listed as aluminum, but elevations and details on A9.10 show hollow metal frames. Please verify the correct framing material . Frame types: Door # No. 1A G0041 2B.3 113, 319.1 12 202 2B.2 219.1 18 219.2 2B.1 302, 402V 27 319.2 29 403 28 404A 30 416	See Addendum 4
242	11/3/2026	Is there a specification section for these sliding door systems? The frame and track is aluminum but the door is wood. Frame type: 1D Door type: L	Refer to future Addendum.
243	11/3/2026	Please provide spec for the modular Stainless Steel Wall in room 304 small autoclave. Detail 2 on A10.22.	Refer to future Addendum.
244	11/3/2026	Door # G0043A, 402U, 202S, 211S, 20040A, 315S, 402T, 30042A, 30060S and 402S are all missing door type/material and frame type/material.	See Addendum 4
245	11/3/2026	Doors G0065 & G0066 have door type H and material as Paint and is missing frame type/material	See Addendum 4
246	11/3/2026	Doors 431.2, 431A and 431B all have frame type 26 called out, frame type 26 is a 10'10"Lx1'7"H HM Window with no doors/door frame shown.	See Addendum 4
247	11/3/2026	Door 302A has a height of 0'-0"x0'-0".	See Addendum 4
248	11/3/2026	Came across attached report. We have not had the opportunity to fully review or independently verify each item and are forwarding the report for your reference, to the extent helpful.	Bid as shown in documents.
249	11/4/2026	Opening – 403: No Frame Type is defined on Door Schedule but on the Drawings (A1.4) shows this opening to be Frame Type 29. Please verify Frame Type 29 is being used on this Opening?	Bid as shown in documents.

RFI #	Date	Question	Response
250	11/4/2026	Opening – 404A: No Frame Type is defined on Door Schedule but on the Drawings (A1.4) shows this opening to be Frame Type 28. Please verify Frame Type 28 is being used on this Opening?	Bid as shown in documents.
251	11/4/2026	Opening – 416: No Frame Type is defined on Door Schedule but on the Drawings (A1.4) shows this opening to be Frame Type 30. Please verify Frame Type 30 is being used on this Opening?	Bid as shown in documents.
252	11/4/2026	Opening – 431.2: Frame Type on Door Schedule is listed as 26 but on the Drawings (A1.4) shows the Frame Type 31. Please clarify which is accurate?	See Addendum 4
253	11/4/2026	Opening – 431A: Frame Type on Door Schedule is listed as 26 but on the Drawings (A1.4) shows the Frame Type 31. Please clarify which is accurate?	See Addendum 4
254	11/4/2026	Opening – 431B: Frame Type on Door Schedule is listed as 26 but on the Drawings (A1.4) shows the Frame Type 31. Please clarify which is accurate?	See Addendum 4
255	11/4/2026	Specification 13 21 00 Controlled Environmental Rooms - Please confirm expected overhead clearance above CER. Per S2.12 it appears there is ~11' clearance between ground floor and T/Steel First Floor. Phase I required ceiling access hatches to assist during the installation of refrigeration / electrical & other utilities. These hatches also allow for future access if necessary	Refer to future Addendum.
256	11/4/2026	There are several openings that are unequal pairs that specify a single width instead of the typical two widths that are associated with unequal pairs. These widths include 3’0”, 3’6”, 4’6”, and 5’0”. Please advise what both dimensions for each unequal pair should be.	See Addendum 4
257	11/4/2026	Openings G0043A, 402U, 20040A, 402T, 30042A, 402S, and 40061A have widths and heights specified but no hardware sets or door and frame material. Please advise.	See Addendum 4
258	11/4/2026	Opening G0042A.5 has a hardware set and height and width specified but no door and frame material. Please advise.	See Addendum 4
259	11/4/2026	Opening 302A has no height or width specified, please advise	See Addendum 4
260	11/4/2026	BICASA North America is a manufacturer of laboratory furniture, laboratory casework, and laboratory fume hoods. We are writing in advance of bid submission to request review of BICASA North America as an equivalent manufacturer for the following specification sections: •Laboratory Fume Hoods – Section 11 53 13 •Laboratory Casework – Section 12 35 53 We understand that Information for Bidders 4(1)(b) and Agreement 2.20 govern the consideration of equivalent products. As we understand that determinations regarding equivalent manufacturers rest with the Architect and/or Engineer of Record (EOR), we are submitting this request directly for your consideration prior to bid. We would appreciate your guidance on the following: 1. Are Sections 11 53 13 and 12 35 53 intended to be sole-source specifications, or is "similar and equal to" deemed inserted pursuant to Agreement 2.20(1)(a)? 2. Will the Architect and/or Engineer of Record review proposed equivalent manufacturers prior to bid and identify acceptable manufacturers by addendum, or will equivalent manufacturers for these sections only be considered following contract award pursuant to Agreement 2.20(2)? Basis for Equivalency: Standards Compliance Our products are designed to meet applicable laboratory industry standards, including SEFA 8 (Laboratory Casework), SEFA 1 (Laboratory Fume Hoods), and ASHRAE 110 testing protocols. Our systems utilize laboratory-grade polyurethane powder-coated finishes, modular steel construction, removable backs for utility access, and seismic anchorage provisions.	See Section 2.20 of the Construction Agreement in Volume 1 of the Project Manual.

RFI #	Date	Question	Response
	11/4/2026	Design Intent: BICASA products meet or exceed the performance requirements of the specified sections applicable to our product offering. Any deviations have been identified within the accompanying side-by-side comparison for review. Documentation: Completed CSI substitution forms, technical literature, testing information, and a detailed side-by-side specification comparison can be provided upon request. Sustainability: BICASA reports Scope 1 and Scope 2 emissions through EcoVadis. Our steel casework contains approximately 27% post-consumer recycled content, and our aluminum components contain approximately 80% recycled content, including up to 60% post-consumer recycled material. Domestic Manufacturing: Our steel casework is manufactured in North Carolina, with final assembly performed at our Charlotte, North Carolina facility. Relevant Laboratory Experience: BICASA designed, supplied, and installed the Nicholas Stavros Laboratory at Rockefeller University, recipient of the 2020 SEFA Laboratory of the Year Award. Given that all bidders should have access to the same information during procurement, if BICASA North America is determined to be an acceptable equivalent manufacturer, we respectfully request that this determination be communicated through an addendum so that all bidders may evaluate and price the project on an equal basis.	
	11/4/2026	Attached for Review: To facilitate your evaluation, we have attached the following documentation: 1. BICASA North America Company Overview 2. Side-by-Side Specification Comparison 3. CSI Product Substitution Request Form 4. Laboratory Casework Product Data 5. Laboratory Fume Hood Product Data 6. SEFA Compliance Information 7. ASHRAE 110 Testing Information 8. Sustainability and Environmental Reporting Summary 9. Relevant Project Experience and References 10. Nicholas Stavros Laboratory at Rockefeller University Project Profile Should additional technical, testing, performance, or compliance information be required by the Architect or Engineer of Record, we would be pleased to provide it promptly. Thank you for your consideration.	
261	11/5/2026	The electrical single line diagram on E5.1 show 13 new electrical meters being provided and installed by the division 26 electrical contractor and Spec section 26 27 13 calls for these meters to have BACnet communication for BMS interface. The M-Drawings however do not show any scope of work for the BMS system to monitor the new electric meters. Can you please clarify if the intent is to have the BMS monitor these new meters via BACnet integration?	See future addendum.
262	11/5/2026	Power Distribution 1.ECB-ELV (E5.1, Keynote 5): The 90A/3P LSIG enclosed circuit breaker for the elevator has no corresponding spec section (26 28 16.16 covers safety switches only). Please confirm product requirements and whether a shunt-trip is required. 2.Panel 'EP' (E5.1, Keynote 4): Elevator panel EP (50A, 208Y/120V) is shown on the single line, but no panel schedule is provided. Keynote 4 says to match the existing breaker type. Please confirm whether Panel EP is new or existing and provide a panel schedule if new. 3.Missing panel schedules (E6 series): No schedules were found for HNLP-DP, HNLP-02, HEDP-OS-G2, HELP-LS-02, LNP-02, LNPL-01-2/11-1/11-2/21-2/22-1/22-2/31-2/32-2/41-2, LEPL-OS-01/11/22 or EP. Please provide them, or confirm requirements (SPD, metering, mains, AIC) for these panels. 4.Panel designations (E4.5): The conduit routing notes reference LEDP-LS-02, LNPL-DP and LNPL-22A, which don't match the single line or panel schedules. Please confirm the intended panels.	1&2. See future addendum. 3. See Addendum 3 for panel schedules for LNP-02, LNPL-01-2/11-1//11-2/21-2/22-1/22-2/31-2/32-2/41-2, LEPL-OS-01. See future addendum for additional panel schedules. 4. See future addendum.

RFI #	Date	Question	Response
263	11/5/2026	Mechanical Equipment Connections 5. On E6.7 Equipment SVAV and EVAV "Homerun to" references note 4 which references "Utilizing existing space available within panel PPS1 for the replacement AHU-1 feeds". Is this where the homeruns for equipment SVAV and EVAV? If not, please provide a homerun location. 6. P-2 / P-2A (E5.1 Keynote 12 / E6.5): E6.5 lists new VFDs furnished by Div 26, fed from HMP-OS-G1 20/3. The single line shows these pumps as existing (D/R), intercepted and migrated to HEDP-OS-G2. Keynote 12 references "HESB-OS-G2." Please confirm the source panel and whether the VFDs are new and furnished by Div 26. 7.P-3, P-3A, P-5, P-5A (E5.1): These are shown D/R at HEDP-OS-G2 (50A/3P each) but are not on the equipment connection schedule. Please confirm existing starters/VFDs are to remain and be reused 8.Hydronic cassette units (E6.6 / E6.7): The schedule shows disconnect type "M" and starter type "M" furnished by Div 23. Please confirm whether this is a single device and which division furnishes it. HC-G-5 is also listed at 120V with a 20/2 breaker; please confirm voltage and poles. 9.EFTR-1 (E6.7, Remark 1): The fin tube radiator is listed at 277V, 1PH with a 20/2 breaker, and the quantity is "refer to floor plans." Please confirm the breaker poles and the total quantity (EFTR-1 is tagged on E1.1–E1.3). 10.SAV and EAV boxes (E1.0–E1.4): 21 SAV and 21 EAV tags appear on the electrical power plans but are not on the Mechanical Equipment Connection Schedule. Please confirm whether these units require power and local disconnects.	5. See Addendum 3. 6,7,8,9. See future addendum. 10. See Addendum 3.
264	11/5/2026	Site Lighting 11.Concrete pole bases (E8.2): The pole-mounted luminaire detail refers to the civil drawings for the concrete footing, but no footing dimensions were found in the documents. Please provide the pole base diameter, depth, reinforcing and anchor bolt requirements. Please confirm whether pole bases are by Div 26 or the site contractor, and whether precast bases are acceptable. Please also confirm whether the Lighted Bollard Foundation Detail (3/E8.2) applies, as no bollards were found on E0.3. 12.Fixture AX04 (E0.3 / E8.2 / E6.9): (7) AX04 pole-mounted fixtures are shown on the site lighting plan and the exterior lighting control detail. The luminaire schedule lists "AX03, AX04 – Not Used." Please provide the AX04 fixture and pole specification (pole height, material, finish, arm configuration), or confirm the fixtures are deleted. 13.Fixture AX07 (E0.3): AX07 fixtures are shown on the site lighting plan, but type AX07 is not on the luminaire schedule. Please provide the fixture specification.	Refer to future Addendum.
265	11/5/2026	There are several doors on A9.11 that do not indicate Door/Frame types or finishes. Can these missing items be provided?	See Addendum 4.
266	11/5/2026	Spec 07 72 00 Roof Accesssories has Ballasted Guardrail Systems specified , but not shown. Are these required and if so where?	Refer to future Addendum.
267	11/5/2026	Section 1.8 C of specification 07 84 43 calls for the "installation of through-penetration firestop system and fire-resistive joint systems in Project to a single qualified installer." However, no such note exists in section 07 84 13. Please advise if all penetration firestopping needs to be by a single installer.	Refer to future Addendum.
268	11/5/2026	The louver schedule on A6.21 shows seven different louver types. Only four louvers are found on the drawings, and one of the L1 louvers found on the elevation drawings does not match the schedule (in size). Please revise the louver schedule to only include louvers that are on this project and provide all louvers shown on the drawings.	Refer to future Addendum.
269	11/5/2026	Specification section 12 48 13 calls out two different basis of design manufacturers. The drawings indicate a Matter Surfaces product with a frame. Please advise what product is required for this project.	Refer to future Addendum.

RFI #	Date	Question	Response
270	11/5/2026	For the existing trailers, what utilities are currently connected to the trailers? Water, sewer, and electric connections? Assuming the toilets are working, are they hard piped into the existing sanitary system? What needs to happen at the completion of the project to these connects? Please advise.	See Addendum 2
271	11/5/2026	On roof plan A1.5, detail 2/A6.3 is called out around the new AHU. There is no detail 2 on A6.3. Please provide.	See Addendum 3
272	11/5/2026	Please provide roof edge details for roof 003.1. No callouts on this roof.	See 2/A6.35
273	11/5/2026	Please provide roof edge details for roof 007.1. No callouts on the blow-up plans.	See 2/A6.46
274	11/5/2026	Please provide spec for SC-2 (sealed concrete 2). Spec 03 35 15 – Concrete Finishing only talks about SC-1	Refer to future Addendum.
275	11/5/2026	A9.05, detail 1, the note stating if the floor slab is not 5” thick, to infill with structural concrete fill to bring slab depth up to 5” min. to maintain 2 hr FR. Please advise as to where this would occur. There is no way to quantify the amount required and know the thickness of existing conditions that are hidden. Please provide an area for quantification.	See Existing Slab Key Plan on S1-series.
276	11/5/2026	Specification 13 21 00 Controlled Environmental Rooms - Per section 2.3.B the CER manufacturer is being asked to provide finished sheet metal wall facing matching finished facing of controlled environmental rooms panels for installation over gypsum board. Please confirm where it is to be installed and amount / how much is required	Refer to future Addendum.
277	11/5/2026	Division 132100 - Please clarify the required exterior height and interior clear height of Rooms G28 and G30. The “Utility Requirements” index included in Division 132100 indicates a room height of 7'-6", while Drawing A.20 indicates a ceiling elevation of 8'-0". Please confirm whether the 8'-0" dimension represents the top or underside of the ceiling panels. As the floor panels are to be recessed into the slab, this distinction would result in an interior clear height of approximately 7'-8" or 8'-0", respectively.	Refer to future Addendum.
278	11/5/2026	Division 132100 - Please clarify the relative humidity requirements for Rooms G28 and G30. No specific RH conditions are identified in Division 132100; however, the “Utility Requirements” index indicates that dehumidification is required. Please confirm whether desiccant dryers are required for these rooms and, if so, provide the required RH operating range and control tolerances.	Refer to future Addendum.
279	11/5/2026	Division 132100 - Division 132100 references Cornell University Design and Construction Standard 232300, “Refrigeration”; however, this document was not included in the project specifications. Please provide a copy of the referenced standard for review.	Refer to future Addendum.
280	11/5/2026	Division 132100 - Please clarify the electrical service requirements for the control consoles serving Rooms G28 and G30. Section 2.7.A of Division 132100 indicates that three-phase power is required, while the “Utility Requirements” index indicates single-phase power.	Refer to future Addendum.
281	11/5/2026	Division 132100 - Section 1.9.C of Division 132100 references supplemental R-410A safety technician certification; however, the required refrigerant for the condensing units is not explicitly specified. Please confirm whether R-448A refrigerant is acceptable for the refrigeration systems serving Rooms G28 and G30.	Refer to future Addendum.
282	11/5/2026	Would it be acceptable to remove the existing consultant trailer and provide a single double wide trailer that takes care of the consultant trailer and conference room trailer? If not, where do you want the conference room trailer?	See Addendum 2
283	11/5/2026	Would it be acceptable to have primary access for materials to be on the Quad side of building in lieu of Tower Road side of building?	Refer to future Addendum.
284	11/5/2026	Spec. 06 42 00 Paneling - Can architect identify where 3form, Varia (BOD) can be found in the drawing set?	Refer to future Addendum.
285	11/5/2026	Detail 3/A8.11 has detail 2/A11.03 through the sink location, which calls out metal casework. Detail 4/A8.11 has detail 4/A11.04 called out, this shows the same sink as being wood veneer with a solid surface top. Please advise if this should fall under millwork or casework and if it is metal or wood.	Refer to future Addendum.

RFI #	Date	Question	Response
286	11/9/2026	Question: Drawing A10.54 has a detail showing a hook up for duct to flammable storage cabinets, in the detail there is reference to fusible link fire dampers in the ductwork within the wall. In the detail there is an access door shown above the cabinets but in all of the elevations where the cabinets are shown there are no access panels shown. Also on the mechanical floor plans for the lab areas there is a note 9 and 10 at specific flammable cabinet locations which refers you to A10.54 and M7.4 for cabinet connection requirements. M7.4 does not have any details that are for fusible link dampers in a wall or showing any cabinet connections. Are the fusible links and access doors required at these locations?	See Addendum 4.
287	11/9/2026	Drawing A11.10 shows many different ceiling and soffit details and where the window shades are mounted. All of the details on this page appear to depict a window shade in a headbox with the small snap in trim not the simple end brackets with the larger fascia piece. Specification 122413 section 2.3 calls for the different shade types to be in a metal shade pocket. The verbiage between the specification and the drawings was an issue with all of the shade vendors in Phase 1, all subcontractors bid the fascia when the headbox was what was desired and needed given the mounting application. Please review and advise is headboxes with snap on trim or end caps with fascia are the desired installation method for Phase 2.	Refer to future Addendum.
288	11/9/2026	On the lab floor plans in the A10 series drawings there are tombstones noted at many of the ADA locations. There do not appear to be any tombstones specified in the div 12 or 26 specifications. Please provide a specification for what is required for the tombstones installed on some of the ADA lab benches.	Refer to future Addendum.
289	11/9/2026	Are the sleeper equipment supports, rail roof supports, duct supports shown in spec section 07 72 00-2 Roof Accessories supposed to be purchased by the mechanical contractor and given to the roofing contractor to install? There is nothing referenced in the M drawings for this.	See Addendum 3
290	11/9/2026	Currently there are 2 office trailers in the phase 1 trailer compound. Are both of these being used by SUCF / LeChase, and are they both to remain? In addition, we are not clear whether another trailer is required for for the exclusive use of the Consultant 12x30(Minimum 360sf), is it? If the 2 that are currently there remain there does not appear to be enough room for a third. If the 2 that are there remain and another is added for the Consultant, where will our trailer go, can we occupy a space in the building?	See Addendum 2
291	11/9/2026	Specification section 08 17 13 - Integrated Door Assemblies does not appear to be on the door schedule on A9.11. Please advise if there are any of these door assemblies in this phase.	See Addendum 4.
292	11/9/2026	Drawing A10.71, Room 113G, Equipment Tag 6-E28? - This item has a comment in the responsibility column that indicates it could be CFCI or something else. Please advise if this is to be by the owner or contractor.	Refer to future Addendum.
293	11/9/2026	Drawing A10.71, Room 113G, Equipment Tag 6-EXX - There are two items with this tag. The responsibility tag is blank. Please advise if this is to be by the owner or contractor.	Refer to future Addendum.
294	11/9/2026	Is the Division 23 mechanical contractor to include the controls quote from Automated Logic Solutions in their quote to the General Contractors bidding?	Bid as shown in documents.
295	11/9/2026	Drawing A1.5: Please provide further information on the new Seedum Trays.	Refer to future Addendum.
296	11/9/2026	Based on the new bid date being during a holiday week, can the post bid documentation required be extended to the following week as most people will be on vacation / out of office?	Refer to future Addendum.
297	11/10/2026	A10.21 does not designate the Countertops to be either Epoxy or Stainless Steel. Detail 2 on A10.01 shows 4” High, 1” Thick Epoxy Backsplash as the typical for Lab Casework and Equipment, is this to be the standard unless specifically annotated as Stainless Steel? Please provide clarification.	Refer to future Addendum.

RFI #	Date	Question	Response
298	11/10/2026	A10.21 shows dashed boxes in multiple rooms with no designation and they are not shown on the elevations.	Refer to future Addendum.
299	11/10/2026	Detail 21 on A10.21 calls for FV2A but it is not listed as a cabinet type on A10.00.	Refer to future Addendum.
300	11/10/2026	Detail 9 on A10.20 has one lower cabinet with the tables that is simply listed as “?” please clarify what this to be.	Refer to future Addendum.
301	11/10/2026	Laboratory Equipment Schedule on A10.77 calls for “EQ-11 Snorkel?” in room G01 Messy Soil Grinding Room, but it is not reflected on drawing A10.20 in neither applicable detail. Please clarify.	Refer to future Addendum.
302	11/10/2026	Detail 1 on A10.20 Calls for HD SS Mobile Tables w/2” Butcher Block Top + Overhead Elec Cord Reels EQ-12. This is not reflected on the Laboratory Equipment Schedule on A10.77. Please provide a quantity of EQ-12 Cord Reels required, and more details on the Tables mentioned.	Refer to future Addendum.
303	11/10/2026	Details 7,8,9,10 and 11 show the pattern called out as Ceramic Wall Tile on detail 12 of A8.20. The Room Finish Schedule on A9.05 only calls for wall tile at the West wall of G0021 and the East wall of G0020. Please clarify.	Refer to future Addendum.
304	11/10/2026	Detail 9 on A10.10 has casework but no designation as to what the items are. Please clarify.	Refer to future Addendum.
305	11/10/2026	Detail 10 on A10.10 has a sink cabinet under PB1.42 but no designation. Please clarify.	Refer to future Addendum.
306	11/10/2026	Detail 13 on A10.11 has a sink cabinet under PB1.42 but no designation. Please clarify.	Refer to future Addendum.
307	11/10/2026	Detail 16 on A10.11 has multiple cabinets with no designation. Please clarify.	Refer to future Addendum.
308	11/10/2026	Drawings A9.00 through A9.04 call for SC-01 and SC-02, however these items are not listed on the Finish Schedule. The Floor Finish Legend discerns between Maintenance and Field Work Lab but the Specification Section 033515 only lists SC-1. Please provide further information regarding the products used in these designated areas.	Refer to future Addendum.
309	11/10/2026	Drawing A10.00 shows the applicable casework types for the project, however there is no way to differentiate between Lab Casework and Architectural Casework. Nor is there any cuts of the cabinets to show detail for manufacturing. Please provide more information and clarification regarding the casework.	Refer to future Addendum.
310	11/10/2026	Detail 1/A10.30 calls for cord reels over the 2 mobile lab tables, but no quantity is provided for the reels in this location. Please clarify.	Refer to future Addendum.
311	11/10/2026	Detail 11/A10.30 does not provide any casework tags for the items under the Lab Tables in room 236 Plant Physiology Teaching Lab. Please provide more detail.	Refer to future Addendum.
312	11/10/2026	Dwg A1.2 calls for detail 5/A11.03 at the door between Collab rm 221 and Plant/Soil/Microbes rm 219. This detail does not exist on dwg A11.03. Please provide this detail or the correct call out.	See Addendum 4.
313	11/10/2026	Detail 10 on A10.12 shows a hashed piece of equipment and a call out for 6/A10.50 but no equipment tag is provided on either of those details nor on the Enlarged Lab Plan on 1/A10.12. Please provide more information regarding this piece of equipment.	Refer to future Addendum.
314	11/10/2026	Room 219 has a Lab Bench that does not have a designation tag, like the others, nor does it have a detail or call out advising what this bench is comprised of. Please provide further detail.	Refer to future Addendum.
315	11/10/2026	Detail 6/A10.03 calls for removable panels, while detail 1/A10.12 shows corner guards in this location. Please clarify which is applicable and what the removeable panels are to be should they be the selected product.	Refer to future Addendum.
316	11/11/2026	Addendum No. 03 references revisions to the following drawings; however, the correspondi ng revised drawing sheets do not appear to have been included in the issued Addendum package: FD1.1A, FD1.2A, FD1.2B, FD1.3A, FD1.3B, FD1.4A and FD1.4B.Request for Clarification: Please confirm whether the abovereferenced drawings were intended to be included in Addendum No. 03 and, if applicable, issue the missing revised drawing sheets for bidders' review and incorporation into their respective bid proposals.	Refer to future Addendum.
317	11/11/2026	There are multiple mentions of lecterns and AV cabinets. Please advise if these are to be by the owner or GC.	See Addendum 3.

RFI #	Date	Question	Response
318	11/11/2026	Please confirm that there is a soap dispenser (OFCI) and paper towel dispenser (OFCI) at each pegboard/sink in all labs. Several elevation details do not inidicate these are there.	Refer to future Addendum.
319	11/11/2026	Similar to the question above, there are sinks on the elevation drawings (ex. 2, 5, 6/A10.20) that do not indicate if there are soap dispensers or paper towel dispensers. Please advise if these sinks are intended to have these OFCI dispensers	Refer to future Addendum.
320	11/11/2026	Detail 3/A703 shows an operable glass partition. Please advise if this is to be by the GC. If so, please provide specifications.	Refer to future Addendum.
321	11/11/2026	Drawing A1.2 calls out detail 5/A11.03 at the lab entrance near Collab. 221. Detail 5/A11.03 does not exist. Is this supposed to reference 1/A11.03? Please advise as this detail is referenced on other drawings as well.	See Addendum 4.
322	11/11/2026	There look to be corner guards at locations that are not labeled on the drawings. Example: Column G19 and G18 on the ground level. These do not show up on the overall floor plans nor the enlarged lab plans. Please advise if these are to be included and if they are CG-1 (adhesive applied) or CG-2 (SS Flush Mount).	Refer to future Addendum.
323	11/11/2026	Detail 4, 17, 18, 20, and 22/A7.07 all show shelving that is not labeled. Please advise what these shelving units are and who is responsible in addition to the countertop shown in detail 18.	Refer to future Addendum.
324	11/11/2026	Detail 2 and 10/A7.07 shows a coffee maker and refrigerator. Please advise if these are by the GC or owner.	Refer to future Addendum.
325	11/11/2026	Please confirm that the casework shown in the print/supply room and break room are supposed to be division 06 40 23 casework and not 12 35 53 casework.	Refer to future Addendum.
326	11/11/2026	With the details provided on drawing A7.30, it is difficult to determine how much railing needs to be restored. Can additional details/cuts be provided to get a true representation of how much railing needs to be removed, restored, and reinstalled?	Refer to future Addendum.
327	11/12/2026	Drawing A9.11 Door Schedule. There are several 90 min rated doors with no Type, Materia ls for both Door and frames. Can you clarify what the spec is for these doors?	See Addendum 4.
328	11/12/2026	Please further clarify what you are looking for in regards to rooftop duct supports. Architectural drawings show aluminum duct supports (2 / A6.6) while structural drawings show HSS duct support framing (S5.3).	Refer to future Addendum.
329	11/12/2026	Please provide a specification for the Geofoam.	See Addendum 4.
330	11/12/2026	Per drawing M7.5, AHU-2 has “roof curbs” stated at letter “Q.” We looked through the elevations and cut through of the AHU and can’t find a section that shows whether or not there is roofing materials used on the top of the AHU itself. Does the AHU come already roofed or will that need to be roofed by the roofing sub-contractor? Please provide details of the roofing needed at the AHU is necessary.	Refer to future Addendum.
331	11/12/2026	What is the wall construction/material of the AHU that the Z-furrings will be attaching into as shown on detail 3/A6.21?	See 23 75 13.
332	11/12/2026	Drawings AD2.0 through AD2.4 show ceiling demo throughout the construction space. However, the type of ceilings being removed is unclear. There are multiple rooms shaded/hatched that correspond with notes D2 and D18, plaster removal, that also call out note D1which is ACT removal. For example, the main corridor throughout each floor is hatched to correspond with note D2 but also notes D1 which as stated, is two different existing ceiling systems. For accurate pricing, please advise which rooms have existing ACT ceiling and which have existing plaster ceiling.	Refer to future Addendum.
333	11/12/2026	Phase 1 installed Norlake Cold Rooms. Norlake has reached out that they intend to bid Phase 2 but they are not listed within specification 132100 Controlled Environmental Rooms. Would this manufacturer be acceptable for use in Phase 2? If this request is not responded to before the bid we will utilize the low bid (potentially Norlake) in our bid package.	See Section 2.20 of the Construction Agreement in Volume 1 of the Project Manual.
334	11/13/2026	Addendum 3 issued a replacement drawing for E4.3 but it was not provided in the drawing package. Please provide.	Refer to future Addendum.

RFI #	Date	Question	Response
335	11/13/2026	Addendum 3 drawing E6.2 shows changes to Branch Panels LEDP-OS-1 & LEPL-OS-32 but does not highlight with bubble or mention these panel changes in summary pag 12 2.2bc. Is this in error?	Refer to future Addendum.
336	11/13/2026	The door schedule calls out a HM Door Frame with a WD Door at opening 302A with a height and width of 0'-0". Looking at drawing A10.15, there doesn't appear to be a door at this location. Please advise if there should be a door at this location. If so, please provide the correct size.	Refer to future Addendum.
337	11/13/2026	Are Temporary partitions required? If so where?	Refer to future Addendum.
338	11/13/2026	There is Spec 04 01 40 Maintenance Of Stone Assemblies specifically related to Stone Treads. This work is not shown on the documents is it required?	Refer to future Addendum.
339	11/13/2026	There is a Specification Section 32 12 16 Asphalt Paving. However, no new asphalt paving is shown please clarify	Refer to future Addendum.
340	11/13/2026	Drawing F0.1 Phasing Notes give the direction to the the Fire Protection Contractor "CLOSE SHUT-OFF VALVES ON EXISTING 6" SPRINKLER MAIN LINE TO STOP WATER FLOW WITHIN THE SYSTEM, AND SHALL BE DRAINED OF ALL WATER. **FIRE WATCH SHALL BEGIN AT THIS POINT FOR THE ENTIRE BUILDING WHILE THE SYSTEM IS NOT CHARGED WITH WATER"**. It then directs to "DISCONNECT SPRINKLER PIPES AND RISERS SERVING THE PHASE 2 WORK AREA AND PREPARE THEM FOR DEMO." "DEMOLISH AND REMOVE IN THEIR ENTIRETY FROM THE JOB SITE ALL SPRINKLER PIPES, STANDPIPE RISERS, AND SPRINKLER HEADS FOUND ON THE GROUND FLOOR TO FOURTH FLOOR THAT HAD SERVED THE PHASE 2 WORK AREA , EXCLUDING THE EXISTING FDC PIPING. INSTALL ALL NEW SPRINKLER PIPES, STANDPIPE RISERS, AND SPRINKLER HEADS THROUGHOUT THE WORK AREA SHALL BE INSTALLED ON ALL FLOORS, FROM THE UTILITY TUNNEL UP TO THE FOURTH-FLOOR LEVEL AND THE PENTHOUSES LOCATED AT THE ROOF LEVEL, THROUGHOUT THE WORK AREA." If this phasing structure is followed, a 24-hr firewatch will need to be hired from the start to the finish of the fire protection subcontractors scope? Is this the intention, for the GC or Fire Protection Contractor to add the cost of this firewatch for this extended period of time in their estimate?	See 01 51 16
341	11/13/2026	Specification section 06 42 00 calls out resin panels by 3form. These panels cannot be located on the drawings. Please advise if these panels are supposed to be a part of the project and where they are intended to go.	Refer to future Addendum.
342	11/13/2026	Does the installation of the temporary heat detectors throughout the building furnished and installed by Division 26, eliminate the need for a firewatch in described in the fire protection phasing notes shown on F0.1?	See 01 51 16
343	11/13/2026	Can Specifications and further details regarding the green roof/sedum trays on the roof shown on drawing A1.5 be provided?	Refer to future Addendum.
344	11/13/2026	Please identify the Phase 2 drawing sheets that locate the custom film and the distraction bands - Please identify the plan pages (drawing sheet numbers) and locations (rooms/elevations/openings) of the custom film on Phase 2. - Please identify the plan pages (drawing sheet numbers) and locations (rooms/elevations/openings) of the distraction bands on Phase 2. - Please identify the pattern specified for the distraction bands on Phase 2 - Please identify which glazing receives applied custom film and which receives a pattern provided in the glass interlayer.	See A8 series Notes.
345	11/13/2026	Please confirm whether decorative films with custom print will be accepted on Phase 2. Custom-print decorative film was approved on Phase 1 (SUCF Project No. 161026-04). Phase 1 Section 08 80 00, 2.7.A.2 (Addendum No. 4, February 22, 2023) specified custom pattern, digitally-printed film, field-cut and installed as indicated on the Drawings, with pattern artwork furnished by the Consultant. Official Phase 1 RFI #211, answered April 3, 2024 by Amelia Thrall of Ellenzweig, confirmed two graphic designs for the	Refer to future Addendum.

RFI #	Date	Question	Response
346	11/13/2026	1. Scope of wood doors and drawer fronts at teaching labs 12 35 53 1.2.A.1 includes “metal laboratory casework… with wood doors and drawer fronts (typ at teaching labs),” and 2.7.E specifies those fronts. 1.2.B.5, however, lists Section 06 40 23 as the related section “for non-laboratory casework and drawer faces at teaching labs.” Section 06 40 23 does not reference laboratory casework, teaching lab drawer faces, or Section 12 35 53. Please confirm whether 12 35 53 or 06 40 23 furnishes and installs (a) the wood doors and (b) the wood drawer fronts on laboratory casework at teaching labs.	Refer to future Addendum.
347	11/13/2026	2. Veneer matching 2.7.E.2.a states: “Select and arrange veneers for compatible grain and color; no matching required.” 2.7.E.2.b requires veneers “from a single flitch, book and running matched,” and 2.7.E.2.c requires continuous and end matching of drawer fronts. Please confirm which veneer matching requirement governs.	Refer to future Addendum.
348	11/13/2026	3. Drawer slides and drawer body material for wood-front drawers 2.7.E.5 calls for “polymer roller slides” on drawers with wood fronts. 2.10.F requires full-overtravel-extension, ball-bearing slides at Grade 1HD-100 and 1HD-200. Please confirm (a) which slide type is required for wood-front drawers, and (b) the required material for the drawer subfront, sides, back, and bottom described in 2.7.E.5, since the material is not stated.	Refer to future Addendum.
349	11/13/2026	4. Cabinet construction at teaching labs 2.8.A.1 states: “Cabinet Construction: Metal with metal doors and drawer fronts.” This conflicts with the wood fronts at teaching labs required by 1.2.A.1 and 2.7.E. Please confirm that 2.8.A.1 applies to research labs only.	Refer to future Addendum.
350	11/13/2026	5. Lock locations 2.10.H.2 requires locks to be provided “at all cabinets and drawers.” §2.10.H.5 lists lock locations as “Flammable storage cabinets, Eagle and Justrite chemical storage cabinets.” Please confirm (a) whether locks are required at all cabinets and drawers or only at the locations in §2.10.H.5, and (b) which section furnishes the Eagle and Justrite chemical storage cabinets.	Refer to future Addendum.
351	11/13/2026	Table frame type The specification calls for C-frame tables, but the drawings show 4-legged tables (e.g. A10.00 – T1/T1A/T1B). Please confirm whether we should price C-frame as specified or 4-legged as drawn.	Refer to future Addendum.
352	11/13/2026	7. Snorkels / exhaust Please confirm the scope for snorkels. Should we supply all snorkels, only those labelled EQ-11, or none?	Refer to future Addendum.
353	11/13/2026	ADA fume hoods The drawings show 4 additional ADA fume hoods beyond those listed in the specification, in rooms 202, G.14, Plant Physiology, and Plant Physiology Prep. Please confirm whether we should follow the drawings or the specification.	Refer to future Addendum.
354	11/13/2026	9. Peg Boards Peg Boards on A10.51 are annotated as both stainless steel and epoxy. Please confirm whether epoxy or stainless steel is required.	Refer to future Addendum.
355	11/13/2026	Could you also Please confirm receipt of BICASA North America’s substitution request dated 11/04 for Division 11 & Division 12, submitted via email. Can you also advise when we can expect a decision, or whether approved substitutions will be issued by addendum?	See Section 2.20 of the Construction Agreement in Volume 1 of the Project Manual.
356	11/16/2026	2.6 Monolithic interior glazing type TI1 Can you confirm which glass company provided this product for the 1st phase? We are having a hard time finding any manufacturer that offers this product. Also need to know what the Gradient pattern is, please provide a detail dimensioned elevation of the gradient TI1. Is a surface applied window film acceptable instead of the interlayer? If so, a defined dimensioned Gradient pattern is still required to produce the graphic.	See forthcoming Addendum

RFI #	Date	Question	Response
357	11/16/2026	Section 26 05 73 requires the contractor to provide a short-circuit study, protective device coordination study, and arc flash and shock risk assessment. Appendix B of the SOW contains a Preliminary Power System Analysis prepared by Jade Stone Engineering PLLC, which appears to include the equipment shown on E5.1. Please clarify the following: 1. Is the Jade Stone analysis considered complete for this project, or is the contractor to provide new, complete power system studies per Section 26 05 73? 2. If the contractor is to provide the studies, is the intent to take over and update the Jade Stone model, or to prepare an independent study? 3. Will the native EasyPower model file and utility source data used in the preliminary analysis be	See 26 05 73.
358	11/16/2026	The spray applied fireproofing contractor has a Cafco product, Blazeshield II, with matching characteristics with CAFCO 300 that they would like to use. Would this be an acceptable substitution?	See Section 2.20 of the Construction Agreement in Volume 1 of the Project Manual.
359	11/16/2026	Who is responsible for BIM Spec 01 33 23 20 Coordination Drawings Item A.1 infers that a BIM Consultant will be contracted by others.	See 00 52 00 Section 1.01.