University of Kentucky
Procurement Services

INVITATION FOR BIDS

CCK-2874.00-3-25
New Environmental Quality
Management Center BP02
ADDENDUM #1
05/01/2025

IMPORTANT: BID AND ADDENDUM MUST BE RECEIVED BY: 05/20/2025 @ 3:00 P.M. LEXINGTON, KY TIME

Bidder must acknowledge receipt of this and any addendum as stated in the Invitation for Bids.

ITEM #1: BIDDER NOTICES

- A second Pre-Bid Meeting will be held on 05/06/2025 @ 10:00 A.M Lexington, KY Time. The meeting will be held via Microsoft Teams:

  Meeting ID: 289 840 312 087 5
  Passcode: 2iw3JM2f
  Phone # 513-538-2285
  Phone conference ID: 709445420#

ITEM 2: REVISIONS & UPDATES TO ORIGINAL BID DOCUMENTS AND Q&A

- Refer to and incorporate within the offer the enclosed additional information and questions and answers (to date) from the project team.

OFFICIAL APPROVAL
UNIVERSITY OF KENTUCKY

05/01/2025
Ken Scott
_____

Ken Scott / (859) 257-9102

SIGNATURE

_____

_____
Typed or Printed Name

University of Kentucky
Procurement Services
322 Peterson Service Building
Lexington, KY 40506-0005

A D D E N D U M #1

to Bid Package 02

project UK Environmental Quality Management Center

date May 1, 2025

This Addendum, issued prior to bidding, alters, amends, corrects, or clarifies the Proposal Documents to the extent stated herein and does thereby become a part of the Proposal Documents and will become part of the Contract Documents of the successful bidder(s).

ITEMS INCLUDED IN THIS ADDENDUM

Bidder Questions:

1. Refer to attached UK Environmental Quality Management Center BP01, Question and Response Log. "CCK-2874.0-3-25 QR Log (Add01 4-30-25)"

Construction Management:

1. Refer to Section 00 1113 – Advertisement for Bid, Page 01 11 13 – 2. Add before "METHOD OF AWARD" in Part 3:

   "It is the intent of the Construction Manager to competitively bid on Trade Categories TC05 General Trades and TC07 Concrete per KRS 45A."

2. Refer to Section 00 1113 – Advertisement for Bid, Page 01 11 13 – 4. Delete Part 12 PRE-BID CONFERENCE and replace with the following:

   "12. PRE-BID CONFERENCE

   A pre-bid Conference will be held on Tuesday, May 6, 2025 at 10 am. The pre-bid meeting will be held via Microsoft Teams:
   Meeting ID: 289 840 312 087 5
   Passcode: 2iw3JM2f
   Phone # 513-538-2285
   Phone conference ID: 709445420#

   Decisions & clarifications discussed during this meeting and onsite will not be incorporated into the bid documents unless submitted in writing and responded to by Addendum. Note: No transcript or report of the Pre-Bid Conference will be provided."

3. Refer to Section 00 2413.13 Scope of Work – Trade Category **TC05 – GENERAL TRADES**, Page 00 2413.13 – 2. Delete spec sections "321216 ASPHALT PAVING" and "329200 TURF AND GRASSES – PARTIAL" from this scope of work.

4. Refer to Section 00 2413.13 Scope of Work – Trade Category **TC05 – GENERAL TRADES**, Page 00 2413.13 – 3. Delete A.5 and replace with the following:

   "5. Furnish and maintain the sanitary to the CM trailers consisting of one (1) holding septic tank sized to accommodate daily use by approximately eight (8) persons with once weekly pumping. Coordinate initial maintenance procedures with TC17 Mechanical contractor who shall install the holding septic tank. Disconnection of the holding septic tank at project completion is by others."

Design Team:

1. Refer to the attached pdf titled "2406 Addendum 1_Design Team" for the narrative on corrections and changes within the specifications, drawings, and details, including replacement drawings, from the design team.

Attachments:

1. CCK-2874.0-3-25 QR Log (Add01 5-1-25)
2. 00 11 13 Advertisement for Bid
3. 00 24 13.13 TC05 General Trades Scope of Work Add1
4. 2406 Addendum 1_Design Team

END OF ADDENDUM

CCK#2874.0-3-25 UK Environmental Quality Management Center BP02 Question and Response Log Question Deadline 5/6/25				
#	Date	Question	Responder	Response
1	26-Apr	There are fire/smoke dampers in rooms H103E & H103F. Smoke detection is required to actuate these. Do you want to add explosionproof smoke detectors in these spaces?	CMTA	Refer to attached “2406 Addendum 1_Design Team” for official responses to Bidder Questions from the Design Team.
2	26-Apr	The systems plans show firefighter phone jacks. These aren't typical for a building that isnt a high rise. Are we to provide these in our bid?	CMTA	Refer to attached “2406 Addendum 1_Design Team” for official responses to Bidder Questions from the Design Team.
3	26-Apr	Do you have a preference for the color of the light on the horn/strobe units for the gas detection system?	CMTA	Refer to attached “2406 Addendum 1_Design Team” for official responses to Bidder Questions from the Design Team.
4	26-Apr	Do you want the gas detection system to be monitored by the building fire alarm system?	CMTA	Refer to attached “2406 Addendum 1_Design Team” for official responses to Bidder Questions from the Design Team.
5	26-Apr	All the spaces with gas detection show a horn/strobe outside the room above the door except room H103E. Do you want us to provide a gas detection horn/strobe at this location?	CMTA	Refer to attached “2406 Addendum 1_Design Team” for official responses to Bidder Questions from the Design Team.
6	26-Apr	The fire alarm specification references "Smoke Evacuation". Does this building require smoke evac?	CMTA	Refer to attached “2406 Addendum 1_Design Team” for official responses to Bidder Questions from the Design Team.
7	26-Apr	The fire alarm specification references to provide detection and interface relays for pre-action fire suppression system. I see that rooms H103E & H103F call for high pressure CO2 suppression system to be provided by the fire suppression vendor. Will this CO2 system be pre-action? If so, will they be providing the detection for the pre-action?	CMTA	Refer to attached “2406 Addendum 1_Design Team” for official responses to Bidder Questions from the Design Team.
8	26-Apr	There are 2 fire alarm annunciators on this project. Are these to be voice command annunciators or the standard annunciator that is typically mounted on a 6 gang back box?	CMTA	Refer to attached “2406 Addendum 1_Design Team” for official responses to Bidder Questions from the Design Team.
9	29-Apr	In the decorative metals scope of work there is mention of all AESS steel being in this scope of work, please verify that includes the sunshade support steel at both levels.	Messer	TC23 - Decorative Metal does not include the AESS Sunshade Support Tube Beam steel noted as Framing Tag Note 10 on Structural Drawings S-2.2 & S-2.3. TC06 - Structural and Misc Steel subcontractor shall be responsible for that. However, all AESS that is labeled with spec section 051213 is the responsibility of TC23 - Decorative Metal.

Release
Addendum #1 - 5/1
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SECTION 00 11 13 – ADVERTISEMENT FOR BID

1. INVITATION:

Sealed proposals for the following work will be received by the University of Kentucky, Capital Construction Procurement Section, Room #322 Peterson Service Building, Lexington, Kentucky 40506-005, in the manner and on the date hereinafter specified for the furnishing of all labor, materials, supplies, tools, appliances, equipment, services, etc., necessary for the construction of:

Project No. 2874.00 UK ENVIRONMENTAL QUALITY MANAGEMENT CENTER BP#02, as set forth in the specifications and as shown on the drawings as prepared by Omni Architects, PLLC and approved by the Capital Construction Procurement Section, the Capital Project Management Division and Construction Manager, Messer Construction Co., under the terms and conditions of this invitation.

2. PROJECT and TRADE CATEGORY DESCRIPTIONS:

Note: The descriptions of work that follow are provided for general reference and understanding only. The specific scope of work to be provided shall be as described in the Contract Documents and individual Trade Category Forms of Proposal. The work will be performed under contract with Messer Construction Company.

General

Project comprises of a new facility for the UK Environment Quality Management Center located at 901 Journal Avenue, Lexington, KY.

This bid (CCK-2874.0-3-25) shall include the following Trade Contracts:

- TC05 – GENERAL TRADES
- TC06 – STRUCTURAL STEEL
- TC07 – CONCRETE
- TC08 – MASONRY
- TC09 – METAL WALL PANELS
- TC10 – ROOFING
- TC11 – ALUMINUM GLASS & GLAZING
- TC12 – DRYWALL & CEILINGS
- TC13 – TILE
- TC14 – FLOORING
- TC15 – PAINTING
- TC16 – FIRE PROTECTION
- TC17 – MECHANICAL
- TC18 – ELECTRICAL
- TC19 – FIREPROOFING
- TC20 – LANDSCAPING
- TC21 – ELEVATORS

- TC22 – RESINOUS FLOORING
- TC23 – DECORATIVE METAL
- TC24 – LAB CASEWORK & EQUIPMENT

3. METHOD OF RECEIVING BIDS

Bids will be received from Prime Contractors on a Lump Sum Amount for each bid package as defined in the Bid Documents. All phases of work shall be bid to and through the Prime Contractors. Bids shall be submitted in the manner herein described and on the official proposal form included with the conditions and specifications and shall be subject to all the conditions as set forth and described in the Bid Documents.

Bids shall be submitted only on the Official Forms supplied by the University of Kentucky, Capital Construction Procurement Section and in the following orders:

1. Form of Proposal
2. Determination of Responsibility
3. Bid Bond

Trade Contractors wishing to bid on multiple Trade Categories shall submit a separate/individual bid for each on the respective Bid Form.

It is the intent of the Construction Manager to competitively bid on Trade Categories TC05 General Trades and TC07 Concrete per KRS 45A.

METHOD OF AWARD

Final award of Contract will be made on the basis of the lowest, responsive and responsible bid which offers the best value.

4. SCHEDULE OF PROJECT

The time for completion as further defined in Article 28 of the General Conditions shall be as follows: Substantial Completion for the H-Area shall be May 8, 2026 and Substantial Completion for the balance shall be July 17, 2026. Please refer to the 'Construction Schedule' section and the attached Milestone Construction Schedule included elsewhere in the Bid Documents.

5. BONDING

Payment and Performance Bond shall NOT be included with the bid. If the bidder is not approved for participation in the SDI program, then the bidder will be required to furnish a proposal to add a 100% P&P Bond. All bonding and insurance requirements are contained in the Instruction to

Bidders and/or General Conditions. Performance and Payment bonds shall be obliged in favor of University of Kentucky and Messer Construction Company.

****A 5% bid bond is required with the submission of the form of proposal.**

6. TAXES

This project is **NOT EXEMPT** from State and Local Sales and Use Tax. All applicable taxes shall be applied to the Work and the costs of taxes shall be included in the Bid Amount.

7. PLANS AND SPECIFICATIONS REVIEW

Specifications, Plans and Contract Documents may be examined at the following places:

www.ukyplanroom.com

8. OBTAINING PLANS AND SPECIFICATIONS

Plans, Specifications and Official Bid Documents are no longer available from the University of Kentucky, Construction Procurement Division. The University and Lynn Imaging have an agreement for duplicating and distribution services for University construction projects. Plans Specifications and Official Bid Documents are available from:

Lynn Imaging
328 Old Vine Street
Lexington, KY 40507
Phone: (859) 255-1021
Fax: (859) 233-1558

In addition, Lynn Imaging and the University have a website at: www.ukplanroom.com where plans can be ordered.

Payments for Plans, Specifications and Official Bid Documents must be made to Lynn Imaging before a set of documents will be issued.

Notes: Contractors that receive plans and specifications from other sources than Lynn Imaging must request a "Form of Proposal" from the University's Purchasing Representative to be registered as plan holders and to received addendums.

Potential Contractors must identify the position of their firm as a prime bidder, miscellaneous subcontractor, material supplier or other when ordering or picking-up Plans and Specifications.

9. BID SUBMITTAL

Contractors must submit their bid in a sealed envelope in Room#322 Peterson Service Building, Lexington, Kentucky 40506-0005 and the envelope must contain the following information on the outside lower left-hand corner of the envelope:

SEALED BID INVITATION NO. CCK-2874.0-3-25

TRADE CATEGORY –_____ - _____
(Fill in the appropriate Trade Category Number and Description from the list above)

BID DATE: May 20, 2025 at 3:00PM Lexington, KY Time

Bids, upon their receipt by the University of Kentucky, Capital Construction Procurement Section are stamped showing the hour and date received. Bids received after the scheduled closing time for reception of bids will not be considered provided legal and accepted bids have been received on said referenced Invitation.

10. BID WITHDRAWAL

No bidder may withdraw the bid for a period of sixty (60) days after the date set for the opening of bids. Clerical errors and omissions in the computation of the lump sum shall not be cause for withdrawal of the bid without forfeiture of bid bond. Bids may be withdrawn in person only, prior to the closing date for receipt of bids.

11. RIGHT TO REJECT

The University of Kentucky, Capital Construction Procurement Section, reserves the right to reject any and all bids and to waive all formalities and/or technicalities where the best interest of the University may be served.

12. PRE-BID CONFERENCE

A pre-bid Conference will be held on Tuesday, May 6, 2025 at 10 am. The pre-bid meeting will be held via Microsoft Teams:
Meeting ID: 289 840 312 087 5
Passcode: 2iw3JM2f
Phone # 513-538-2285
Phone conference ID: 709445420#

Decisions & clarifications discussed during this meeting and onsite will not be incorporated into the bid documents unless submitted in writing and responded to by Addendum. Note: No transcript or report of the Pre-Bid Conference will be provided.

13. WRITTEN QUESTIONS

Anyone wishing to discuss specific items is requested to submit the items in writing to Capital Construction Procurement, no later than Tuesday, May 6, 2025 at 5:00 PM. Written questions can be submitted by email to UK Procurement at cckbidquestions@uky.edu or fax to 859.257.1951. Please use the bid number and title in the "Subject" line of your email.

Note: Responses to Written Questions received no later than 5/6/25 will be provided in an addendum issued on or about 5/13/25.

14. SUBSTITUTION – MATERIALS AND EQUIPMENT

Bidders wishing to submit a request for consideration of an alternate under the provisions of Article 48.3 of the General Conditions to the Contract to any article, device, equipment, product material, fixture, patented process, form, method or type of construction, or by name, make, trade name, or catalog number shall submit a written request to the University at least 14 calendar days prior to the official bid date of the Project including all necessary information and sufficient detail to allow evaluation by the Consultant and the University and, if the University determines the alternate is acceptable, an addendum will be issued allowing the change and advising all bidders of the option.

If no addendum is issued to allow the requested change, the Bidder shall assume the request is not approved and shall prepare the bid on that basis.

15. POST BID MEETING

The apparent low bidder will be requested to meet with the Construction Manager to review the bid and scope of services. The time and place of this meeting will be announced at the bid opening.

END OF SECTION 00 11 16

SECTION 00 24 13.13 - SCOPES OF WORK (MULTIPLE CONTRACTS)

TRADE CATEGORY TC05: GENERAL TRADES

The Scope of Work in Trade Category TC05: GENERAL TRADES includes all labor, material, tools, equipment, supervision, and all other necessary resources to complete all work specified herein, in accordance with the Contract Documents and as described below.

The Scope of Work shall include all work indicated in the Description of Trade Category 05 GENERAL TRADES, Division 00 Procurement and Contracting Requirements, and Division 01 General Requirements. This Scope of work includes, but is not necessarily limited to, the following Specification Sections:

DIVISION 3 – CONCRETE
033000 CAST-IN-PLACE CONCRETE – PARTIAL

DIVISION 6 – WOODS, PLASTICS & COMPOSITES
061000 ROUGH CARPENTRY
064023 INTERIOR ARCHITECTURAL WOODWORK

DIVISION 7 – THERMAL & MOISTURE PROTECTION
071326 SELF-ADHERING SHEET WATERPROOFING
072100 THERMAL INSULATION – PARTIAL
072700 AIR BARRIERS
078413 PENETRATION FIRESTOPPING – PARTIAL
078443 JOINT FIRESTOPPING – PARTIAL
079200 JOINT SEALANTS – PARTIAL

DIVISION 8 – OPENINGS
081113 HOLLOW METAL DOORS AND FRAMES
081416 FLUSH WOOD DOORS
083323 OVERHEAD COILING DOORS
083613 SECTIONAL DOORS
087100 DOOR HARDWARE

DIVISION 10 – SPECIALTIES
101100 VISUAL DISPLAY UNITS
101423 DIMENSIONAL LETTER SIGNAGE
102113 PHENOLIC-CORE TOILET COMPARTMENTS
102800 TOILET, BATH, AND LAUNDRY ACCESSORIES
104413 FIRE PROTECTION CABINETS
104416 FIRE EXTINGUISHERS
104420 AUTOMATED EXTERNAL DEFIBRILLATORS (AED) DEVICES AND CABINETS
105123 PLASTIC-LAMINATE-CLAD LOCKERS

DIVISION 11 – EQUIPMENT
111319 STATIONARY LOADING DOCK EQUIPMENT
113013 RESIDENTIAL APPLIANCES

DIVISION 12 – FURNISHINGS

122413 ROLLER WINDOW SHADES
123661 SOLID SURFACE FABRICATIONS

DIVISION 28 – ELECTRONIC SAFETY & SECURITY
281000 PERIMETER SECURITY SAFETY – PARTIAL

DIVISION 31 – EARTHWORK
312500 EROSION PREVENTION SEDIMENT CONTROL – PARTIAL

DIVISION 32 – EXTERIOR IMPROVEMENTS
321313 CONCRETE PAVING

In addition to the listed specifications sections, the following items represent specific inclusions in this Trade Category TC05: GENERAL TRADES. They are provided as a guide to aid in the assignment of work and in no way should be construed as being all inclusive. All work described or indicated in the respective specification sections or divisions listed above, and on the drawings, shall be included, unless specifically noted otherwise.

A. GENERAL

1. Provide **Erosion and Sediment Control Measures** per MSD, local governing codes and requirements (permits, daily inspection reports, etc.), applicable specifications, and as indicated on Drawings C-11.1, C-12.1, and C-13.1. Additionally, provide erosion control for the trailer and staging area identified in the site logistics plan. All erosion control measures shall be regularly maintained throughout construction. The initial erosion control measures for the project will be installed by the EARTHWORK subcontractor; The condition of the erosion control measures will be inspected following the completion of mass excavation/fill and rough site grading - and any repairs deemed necessary shall be provided by the EARTHWORK TC. Following the inspection and associated repairs, all responsibility for maintenance of the Erosion and Sediment Control Measures will be transferred to this subcontractor (TC05 – General Trades) for the remainder of the project. This includes responsibility for the NOI, inspections, maintenance, Notice of Termination, etc.
2. Any required shoring for this scope of work shall be engineered and designed by a professional engineer licensed in the State of Kentucky.
3. Provide and maintain **temporary signage for all construction areas** as required for public safety. At a minimum, provide all signage indicated on the drawings, and the following additional signage (to be installed as directed by the CM): three (3) 3’ x 5’orange construction entrance warning signs (“Warning - Trucks Entering and Leaving”), two (2) stop signs, and three (3) “Sidewalk Closed” signs (all additional signage is to include installation on driven steel posts). Provide “Danger – Hard Hats and Safety Glasses Required” signs on both sides of all vehicle entrances and at all entrances to the building. Provide all signage required on barricades and on guardrails erected by this Subcontractor, and as required by this Subcontractor’s specific operations. All signage is to be new and professional.
4. Provide **portable toilet service** consisting of a minimum of two (2) units and twice weekly maintenance for the duration of the project. The portable toilets shall be available for use by the CM and by all subcontractors. The total quantity of toilets provided at any time shall be in compliance with OSHA guidelines. Provide hand sanitizer in all portable toilets and fill regularly for the duration of the project.

5. Furnish and maintain the sanitary to the CM trailers consisting of one (1) holding septic tank sized to accommodate daily use by approximately eight (8) persons with once weekly pumping. Coordinate initial maintenance procedures with TC17 Mechanical contractor who shall install the holding septic tank. Disconnection of the holding septic tank at project completion is by others.
6. Provide **dumpsters for general construction waste** disposal for the entirety of the project as an allowance. Include an allowance of $110,000 for dumpster service throughout the duration of the project. The dumpster shall be available for use by the CM and by all subcontractors for general construction waste (excludes use of dumpsters for disposal of materials related to the demolition scope, spoils, concrete washouts and other excavated materials). This allowance shall cover only the actual invoiced cost of the monthly rent, and tipping / disposal fees. Mark up, labor, covering per project documents or other incidental costs associated with providing dumpster service will not be funded from this allowance. Multiple dumpsters may be required on site at the same time. Include the management of all dumpster ordering and emptying.
7. This subcontractor shall create and maintain one (1) **concrete washout for all concrete work** for entirety of the project. Location of the concrete washout shall be coordinated with the CM. The concrete washout shall comply with all Erosion and Sedimentary Control Measures per MSD, local governing codes and requirements (permits, daily inspection reports, etc.), and applicable specifications.
8. This subcontractor shall provide all **surveying, surveying controls** (line and grade), benchmarks and subsequent layout required to complete the scope of work. All survey work shall be performed by or under the supervision of a Licensed Professional surveyor with current professional liability insurance. This subcontractor shall be responsible for repairing or replacing benchmarks and /or controls damaged by its operations and for delivering intact benchmarks and / or controls at the conclusion of its scope of work for reference by a follow-on subcontractor. All other engineering and layout required off of the controls for this scope of work shall also be included.
9. Provide **utility location services** at all areas of underground work for the entirety of this project. This subcontractor shall assume full responsibility for the protection of all existing utilities located within the work areas associated with the scope of work. Once the utilities are located they shall be surveyed and an as-built provided to the CM to utilize in coordination.
10. All **dust control and street cleaning** required for the project is included. This will require water trucks, street sweepers, operators, and labor required to maintain the site, roads and walks in a satisfactory condition as directed by the Construction Manager. Street sweeping operations are not satisfied by backhoe bucket scraping pavement – actual broom sweeping is required and is to be included. This subcontractor is to include dust control and Daily Street sweeping of the site through the entire duration of the project.
11. This contractor is responsible for all **snow and ice removal from sidewalks and walkways** on the site.
12. The condition of the construction access roads (entrances and all future pavement areas) will be inspected following the completion of mass excavation/fill and rough site grading - and any repairs deemed necessary shall be provided by the EARTHWORK TC. Following the inspection and associated repairs, the access roads, and all responsibility for maintenance, will be transferred to this subcontractor (TC05 – General Trades). Provide regular maintenance of construction access roads and laydowns to maintain condition according to Erosion and Sediment Control Notes on Drawing C-11.1. Include (10) tri-axle loads of additional DGA to be placed at the direction of the CM.
13. This contractor shall include unlocking building doors and locking building doors at the start and end of daily work shifts respectively consistent with the normal working hours as outlined in the

general requirements 6:30 AM start and 5:30 PM end. It is this contractor's responsibility to make sure the project is secured at the end of every work shift.

14. Provide and maintain temporary protection and weather tight conditions at all exterior openings including but not limited to windows, storefronts, doors, OH doors, louvers, etc. Temporary protection shall be minimum of reinforce poly; protection shall be installed as soon as opening is created and roofing activities start. Include and coordinate removal complete when permanent materials are ready for installation. Provide temporary, self closing, lockable doors at all entrances.
15. Provide and maintain fire extinguishers as required and one (1) eye wash stations as necessary to comply with OSHA requirements. Locations to be coordinated with Messer Safety. This subcontractor shall maintain one (1) onsite safety first aid kits and one (1) AED utilizing Cintas, or another recurring service.
16. This subcontractor shall provide a full time person for the duration of the project. This person shall have the certifications for a lull and have at least 5 years' experience to assist in managing and overseeing the responsibilities of this scope independently. This full-time person(s) should be assumed to be on site five days a week, ten hours per day. Tasks of this person will be as directed by the CM and to assist with the daily needs of the project. This person will have minimal responsibilities to tasks included elsewhere in this scope of work. Tasks of the person will at a minimum include maintenance of the site, perimeter inspection, cleaning, leading composite clean-up crews as necessary, leading 5S, supporting large concrete pours, hoisting at for other trades utilizing a lull, inspecting & minor repair to temporary barriers, temporary handrails, and flagging traffic.
17. Provide grout and infills at hollow metal frames in CMU.
18. Provide Sealed Concrete as specified at the locations shown in the finish schedule. Include the necessary cleaning, prep work and protection for a proper installation.
19. Provide one (1) OSHA compliant stair tower to access 2nd Floor and Roof levels of the Office area of the Building. Coordinate exterior location with Messer. Install immediately after structural deck and detailing is complete. Include rental for 8 months and modifications to allow roofing, envelope and finish work to complete. Remove when directed by CM.
20. Provide one (1) OSHA compliant stair tower to access the Lower Roof Level of the H-Area of the building. Coordinate exterior location with CM. Install immediately after structural deck and detailing is complete. Include rental for 8 months and modifications to allow roofing, envelope and finish work to complete. Remove when directed by CM.
21. Provide OSHA compliant temporary extension ladder or stair access between Roof Levels for construction member access between Roof Levels. Coordinate locations with CM. Install immediately after structural deck and detailing is complete. Include maintenance and adjustments of the means of access and egress for 8 months. Remove when directed by CM.
22. The TC06 STRUCTURAL AND MISCELLANEOUS STEEL CONTRACTOR will install the initial guardrail system around the perimeter of elevated decks and maintain such until the deck is turned over to the TC05 contractor. After the decks are turned over to the TC01 contractor this contractor shall maintain all handrail/guardrails systems until the building is enclosed or roofing activites require. This contractor shall also remove of all handrail, coordinate sequence of removal with CM and follow on trade(s).

B. **SITE**

1. Provide all concrete pavement, concrete header curb, concrete sidewalk shown on the civil drawings complete and as specified. This shall include any excavation and gravel to bring bottom of curb to subgrade.
2. Include all site curb and gutter, header curb, and edge banding as shown on the documents. This shall include any excavation and gravel to bring bottom of curb to subgrade.
3. Provide all site concrete including but not limited to concrete pavement, concrete curbs, concrete sidewalks, curb and gutter, concrete retaining walls, concrete steps, concrete footings (site only) . All excavation, fine grading, stone base, reinforcing steel, mesh, formwork, concrete, joints, accessories, sealers, waterstop etc shall be included. Include any joint seleants for this work as well including cleaning out of joints, prep, caulk, and cleanup.
4. Concrete pour cards are required to be completed and signed by Messer prior to concrete placement.
5. Any and all hoisting, rigging, scaffolding, ladders, etc required to perform this scope of work shall be included.
6. Coordinate with the mechanical, electrical and plumbing contractor any required penetrations that they might require through work covered in this scope.

C. **ROUGH CARPENTRY**

1. Provide and install all in-wall blocking for wall hung items shown on the documents provided by UK and/or under the CM's contract. Specific items include but are not limited to all items listed in General Note 28 on Drawing A-0.10, etc.
2. Provide and install pressure treated blocking where indicated on the drawings and according to General Note 29 on Drawing A-0.10.
3. Provide and install ¾" fire treated plywood at all the interior of all IDF/MDF rooms .

D. **FINISH CARPENTRY**

1. Provide the Interior Architectural Woodwork, cabinetry, lockers, solid surface fabrications, sealants and caulking, laminate, splashes, shelving, and other specified, shown or indicated millwork items required within the specification under this Trade Category. MEP, security or access control rough-in pertaining to devices located on or in woodwork, cabinetry, or solid surfaces is included in the scope of work of this Trade Category, and this subcontractor shall coordinate with the other trade contractors for proper openings and raceways to assure their respective work activities provide a complete and proper operation installation.
2. Provide wood blocking, nailers, plywood sheathing, furring and all other miscellaneous support materials in place for the support of the work of this Trade Category subcontractor. Surface mounted wood blocking, cleats and other attachments devices required for the installation of items provided by this Trade Category subcontractor are to be furnished and installed by this Trade Category subcontractor. Include all specified means of attachments including Z-clips ledgers surface blocking and similar items.
3. Provide any concealed in-wall blocking required for attachments of items to or into walls or ceilings not specifically shown on the documents. Provide preservative treated or fire retardant wood as required.
4. Provide concealed countertop support brackets shown to support the work of this scope of work.

5. Provide Architectural joint sealants as required between materials contained within this scope of work and other finishes per section 079200.

E. **MISCELLANEOUS SCOPE ITEMS**

1. Provide and install all new doors, frames, and door hardware per the contract documents. This shall include hardware for all aluminum frames and doors. Includes all auto operators. Hardware for aluminum frames and doors to be delivered to the ALUMINUM GLASS & GLAZING TC.
2. Include all glazing in hollow metal frames and hollow metal doors.
3. Coordinate all Perimeter Security Safety throughout the building for doors included in this scope. The ELECTRICAL TC will provide a complete system.
4. Provide and install overhead coiling doors complete. ALL wiring required to make door function beyond a single point power connection shall be provided by this contractor. Power will be provided to single point connection by the ELECTRICAL TC.
5. Provide and install sectional doors complete. ALL wiring required to make door function beyond a single point power connection shall be provided by this contractor. Power will be provided to single point connection by ELECTRICAL TC.
6. Prep and clean existing or new floors that are called out to receive floor sealer. Provide all labor, materials, and equipment required to install floor sealer after all prep and clean has been completed.
7. Provide and install all visual display units, dimensional letter signage, phenolic-core toilet compartments, fire extinguishers, fire protection cabinets, AED Devices and cabinets, and plastic-laminate-clad lockers as specified and indicated on the construction documents.
8. Provide toilet, bath, and laundry accessories labeled “C.F.C.I” complete as indicated in contract documents.
9. This subcontractor shall install toilet, bath, and laundry accessories labeled as “O.F.C.I” in the contract documents and shall coordinate procurement of these items with the Owner.
10. Provide final cleaning prior to owner turnover and punchlist. Building shall be cleaned to a like new condition ready for the owner to move-in. Cleaning of floors, walls, attached fixtures, light fixtures, toilet fixtures, etc. shall be included as a final clean ready for the end users to move in. Final cleaning of windows both inside and out shall also be included. Pressure wash all building exterior and exterior concrete surfaces to clean any construction stains or debris.
11. Provide Knox Box.
12. Provide Stationary Loading Dock Equipment, Laundry Systems and Residential Appliances.
13. Provide all Roller Window Shades, complete, as specified. This includes both electrified and manual roller shades. Power for electrified roller window shades is to be provided by the ELECTRICAL TC.
14. Provide temporary protection measures and removal of aforementioned measures for inside of elevator cab, hallway elevator door frames and doors at all elevator landings. Protective blankets are to be provided by the ELEVATOR subcontractor.

ALLOWANCES

Allowances are above and beyond what is listed in the scope description above. Monthly progress payments will be made against actual invoice expenditures, based off approval from the CM/UK. All mark ups related to work performed against an allowance shall be included in the base bid. Allowance requests shall include only labor and material costs, authorized in writing by the CM. Any remaining funds in these allowances will be credited back to the project. (The following Allowances are to be included in the Base Bid Amount)

1. Dumpsters Allowance $110,000.
2. Include an allowance of $5,000 for construction and/or safety signage as directed by the CM.
3. Include an allowance of $10,000 for repairs to, or additional fencing and silt/erosion protection as directed by the CM. The allowance does not apply to relocation required to complete the work included in this Subcontract or maintenance items.
4. Include an allowance of $15,000 for maintenance work, incidental work, or unforeseen temporary measures work that needs to take place as direct by the CM.

ALTERNATES

1. Alternates 1-4.

ADDENDUM NUMBER ONE

Bidders shall conform to the following changes, as same shall become binding on the Contract to be issued in response to this Invitation to Bid.

PROJECT INFORMATION

1. **Bidder Questions** – There have been numerous questions submitted to the design team. We have tried to answer as many as we can in this addendum. Any questions not answered in this addendum will be answered in the next few days, and these answers will also be included in future addendum.

QUESTIONS & CLARIFICATIONS

2. **Sheet A-7.03 Roof Details:** This sheet includes several roof details, specifically details 1 through 3 identify roof details along the east side of the second floor of the B Occupancy office building, and the transitions to the lower horizontal rated roof assembly of the H-2 occupancy. Sheet ADD01 A-01 has been provided to clarify with a 3D view where these three details take place. This new drawing will be located and listed as view 4 on sheet A-7.03 in the conformed drawings.
3. **Specification 08 4413 "Glazed Aluminum Curtain Walls" and drawing 3 on A-8.05 Curtain Wall (CWS-2) Elevations 6 ¼":** This specficiation and frame elevation drawing identify a second curtian wall system that has a higher OITC performance. The details referenced in the frame type elevations for CWS-2 don't accurately depict the basis of design aluminum mullion profile. Drawing ADD01 A-02 has been provided to clarify and illustrate the correct aluminum mullion of this system in a typical jamb detail condition. All related details referenced in elevations for CWS-2 will have similar aluminum mullion profiles.

CORRECTION / CHANGES

4. **Drawing 1 on A-8.03 Interior Storefront Elevations – SF-1 and SF-2: Reference the attached ADD01 A-03 for revised SF-1 and SF-2 elevations and revised detail references.**

    a. **Sheet A-8.01 Door Schedule:** The Door Schedule shall be revised to identify door A100A.2, which is located in SF-1, as an Interior door.

5. **Reference Specification 08 4413 "Glazed Aluminum Curtain Walls", article 2.11 A.2: Revise article** to read as follows: "Color and Gloss: Provide from the manufacturer full color range."
6. **Reference Attached ADDENDUM #1 – MEP document for additional addendum items.**

END OF ADDENDUM NO. 1

ADDENDUM # 1 – MEP

Item #1 Refer to sheet M4.0 ENLARGED MECHANICAL ROOM
- A. Route flue between the AHU-3 supply and return ductwork. Shift the 46x24 return duct plan south approximately 1'-0".

Item #2 Refer to sheet M7.1 MECHANICAL DETAILS
- A. See added detail, "FIRE DAMPER DETAIL."

Item #3 Refer to sheet IC1.1 CONTROL DIAGRAMS
- A. Upon receiving a signal from the fire alarm system, the control valves Lab H103E and H103F shall close. A manual switch shall be provided in the second floor mechanical room next to the CO2 tanks that will tell the valves to open and allow exhaust to evacuate the air in the space.

Item #4 Refer to sheet EU101 ELECTRICAL SITE UTILITY PLAN
- A. Moved tagged note U10 to the correct location to refer to the underground fiber line.
- B. Edited notes U5 and U6 to include data outlet for BACNET integration of generator.

Item #5 Refer to sheet E2.0 FIRST FLOOR LIGHTING PLAN
- A. Edited luminaire schedule to include columns for Alternate Manufacturer and Mounting.

Item #6 Refer to sheet E2.1 SECOND FLOOR LIGHTING PLAN – BASE BID
- A. Added luminaire schedule.
- B. Changed ceiling and light fixtures in plan southeast corner.

Item #7 Refer to sheet E2.2 SECOND FLOOR LIGHTING PLAN – ALTERNATES
- A. Edited luminaire schedule to include columns for Alternate Manufacturer and Mounting.
- B. Changed visibility of base bid lighting to clarify that it is only to be included in the base bid.
- C. Changed light fixtures in plan south portion of breakroom to be type H.

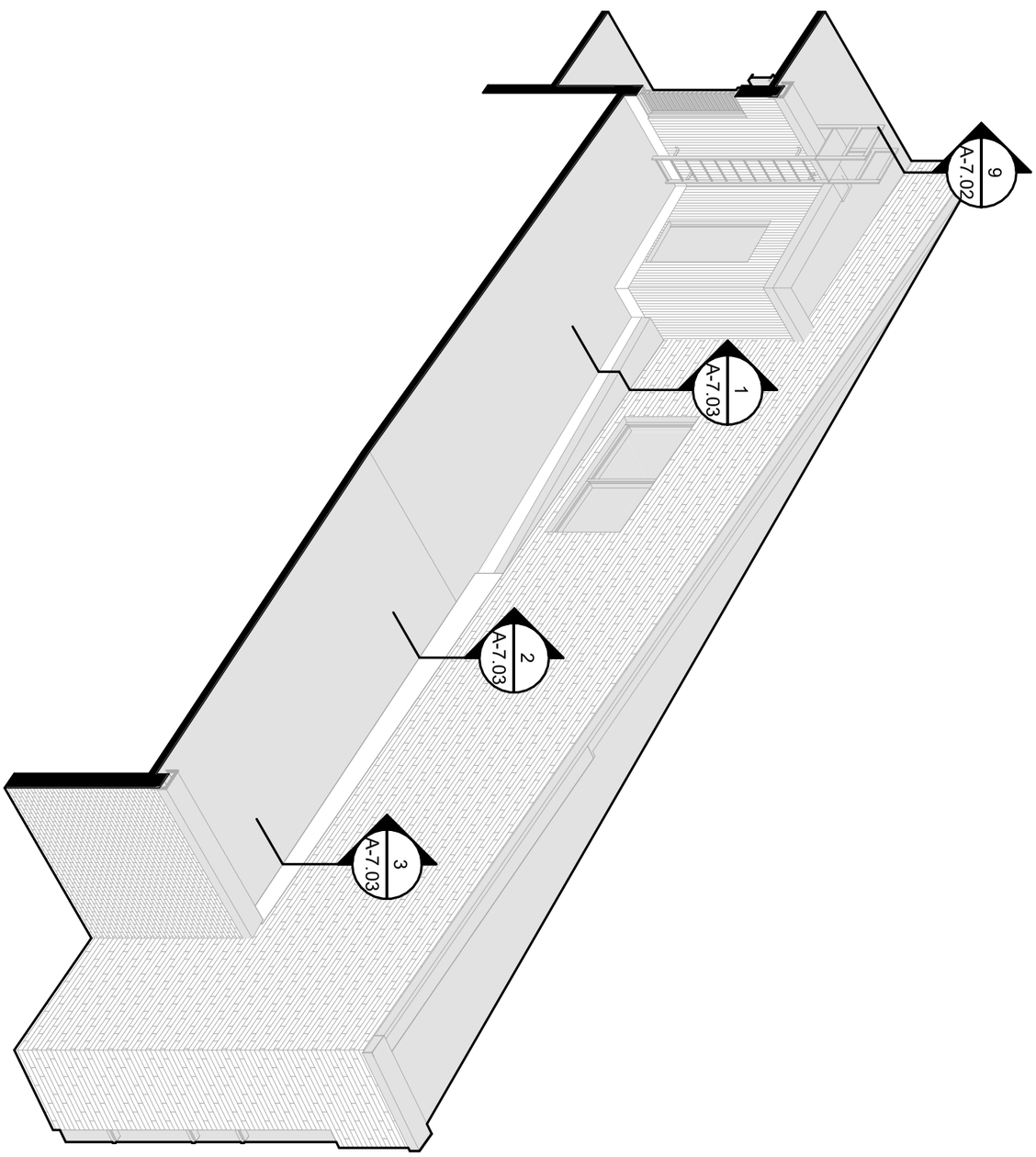
Item #8 Refer to sheet E4.0 FIRST FLOOR SYSTEMS PLAN
- A. Deleted firefighter phone jacks at elevator and stairwell.
- B. Added duct smoke detectors in rooms H103E and H103F for fire smoke dampers.
- C. Added devices and note S8 for fire alarm interface for C02 fire suppression system in rooms H103E and H103F.

Item #9 Refer to sheet E4.1 SECOND FLOOR SYSTEMS PLAN – BASE BID
- A. Deleted firefighter phone jacks at elevator and stairwell.

Item #10 Refer to sheet E4.1 SECOND FLOOR SYSTEMS PLAN – ALTERNATES
- A. Deleted firefighter phone jacks at elevator and stairwell.

Item #11 Refer to specification section 28 3100 – Fire Alarm Section D (12) Smoke Evacuation
- A. Delete section referring to smoke evacuation as it is not required for this building.

END OF ADDENDA #1 - MEP



ADD01 A-01

UK - ENVIRONMENTAL QUALITY MANAGEMENT CENTER **ADDENDUM 01**

3D VIEW AT ROOF TRANSITION - FOR REFERENCE **05/01/2025**

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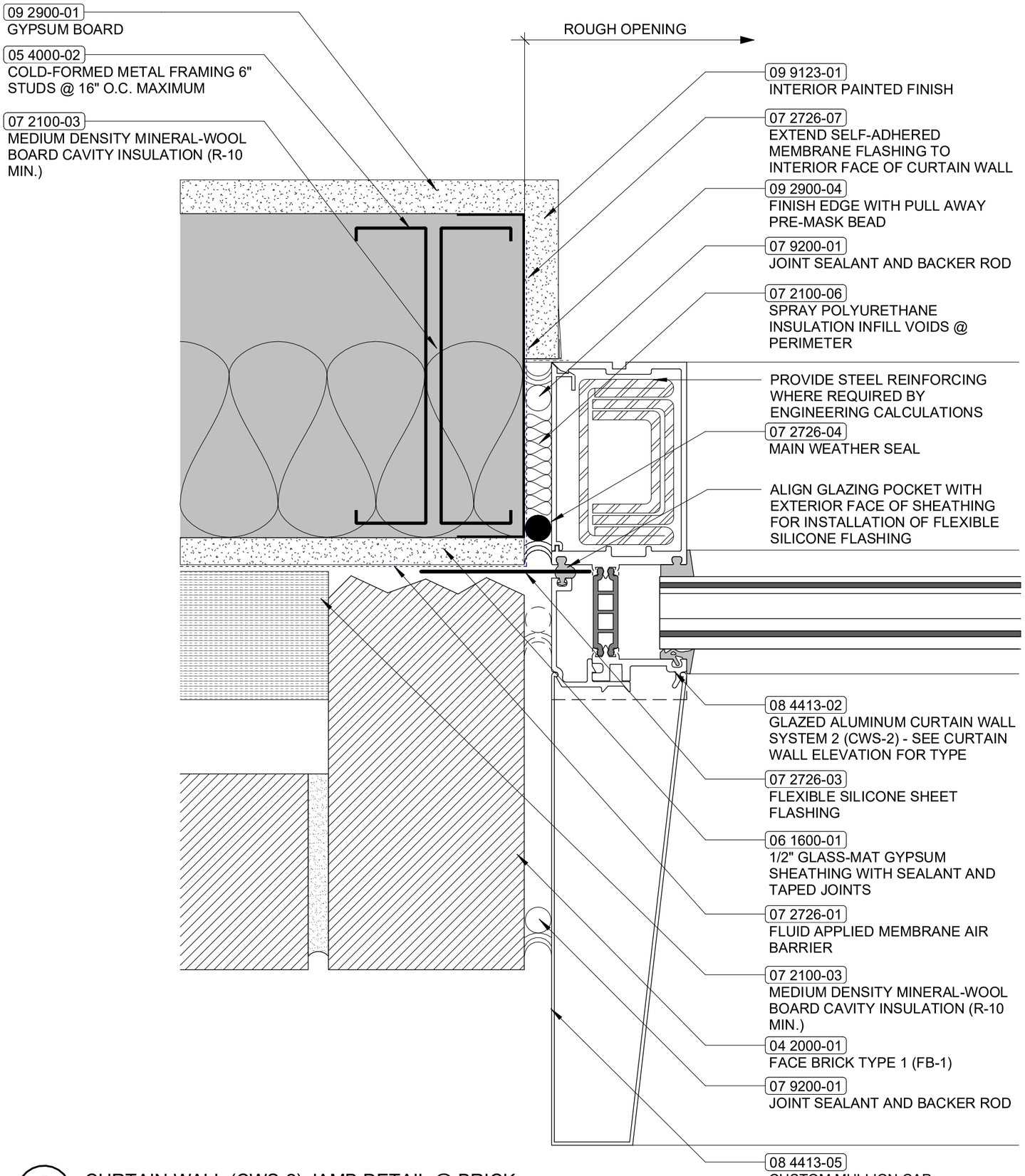

7 / A-8.08 CURTAIN WALL (CWS-2) JAMB DETAIL @ BRICK

6" = 1'-0"

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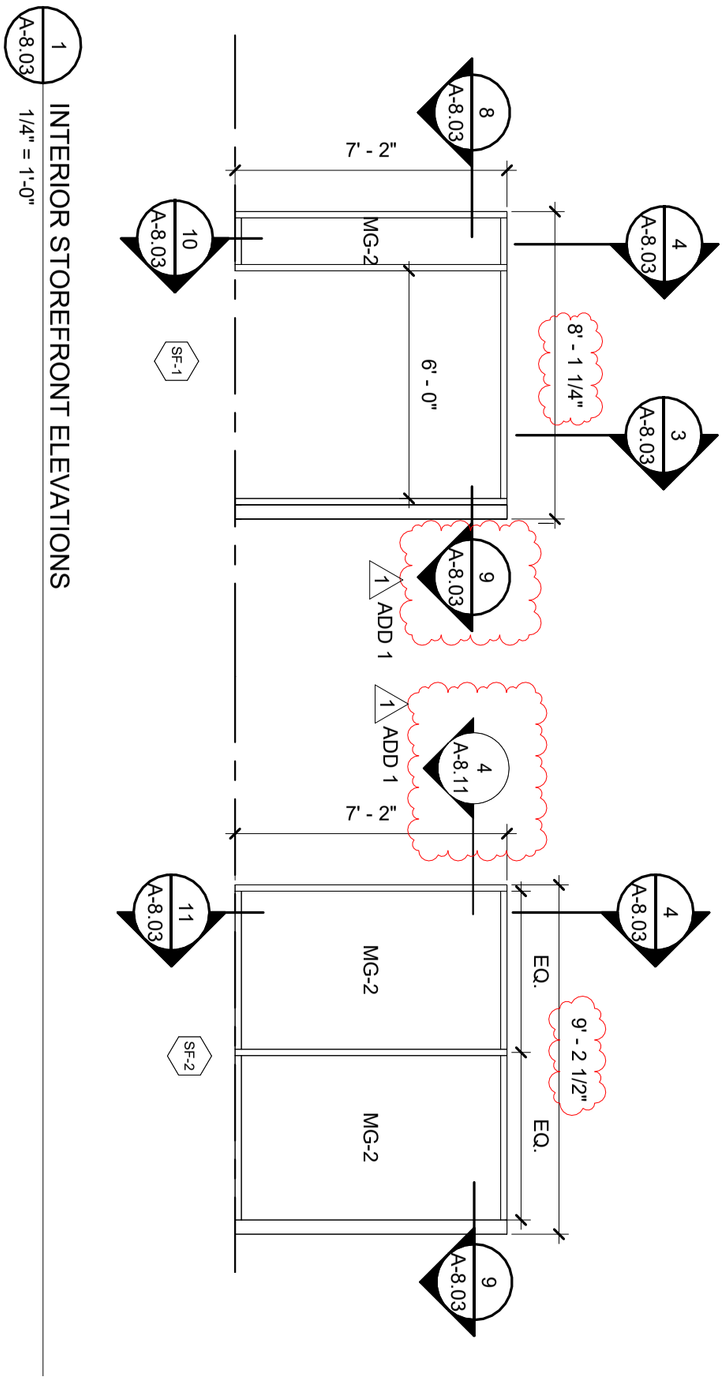

1 A-8.03 INTERIOR STOREFRONT ELEVATIONS

1/4" = 1'-0"

ADD 01 A-03

UK - ENVIRONMENTAL QUALITY MANAGEMENT CENTER **ADDENDUM 01**

REF: 1/A-8.03 INTERIOR STOREFRONT ELEVATIONS **05/01/2025**

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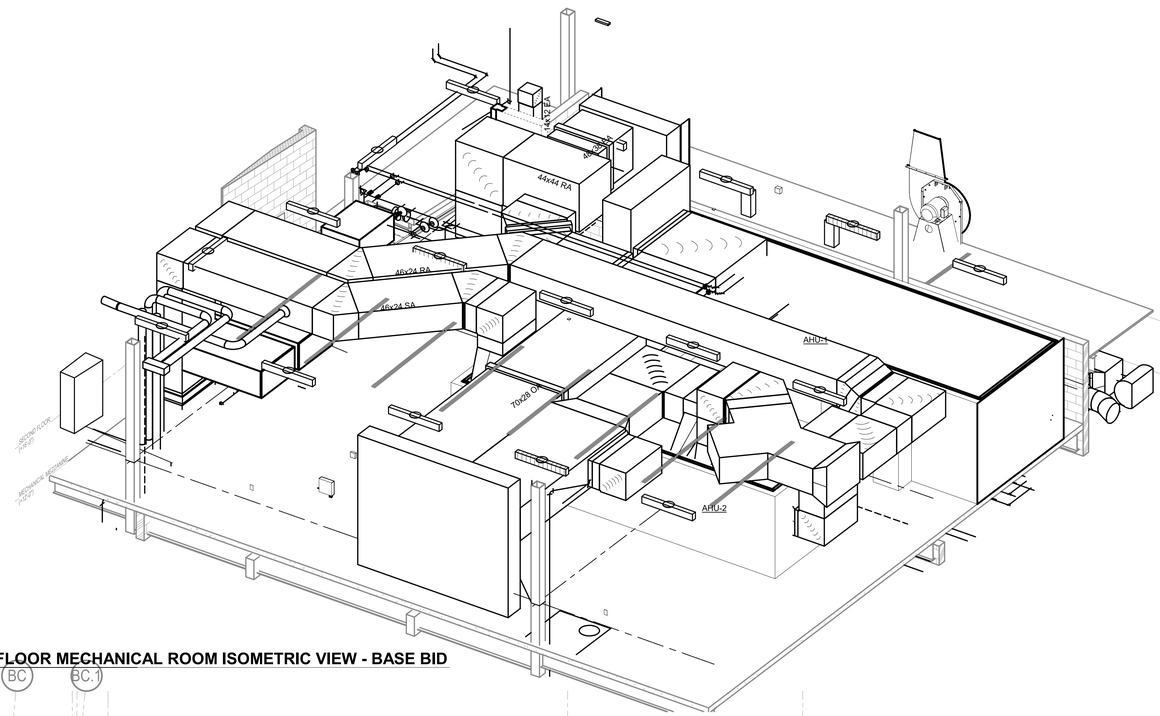
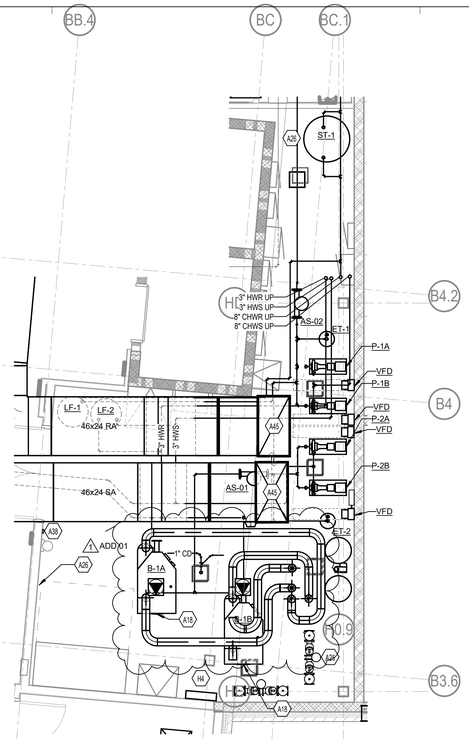
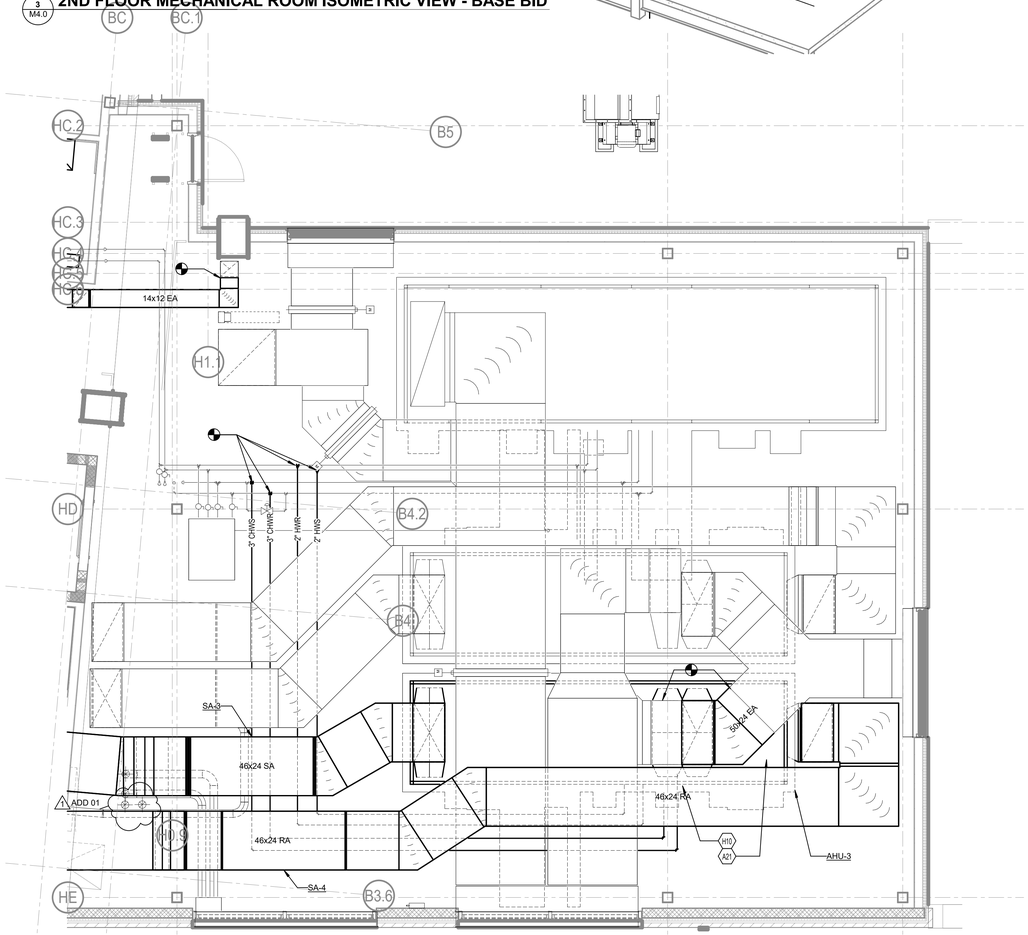


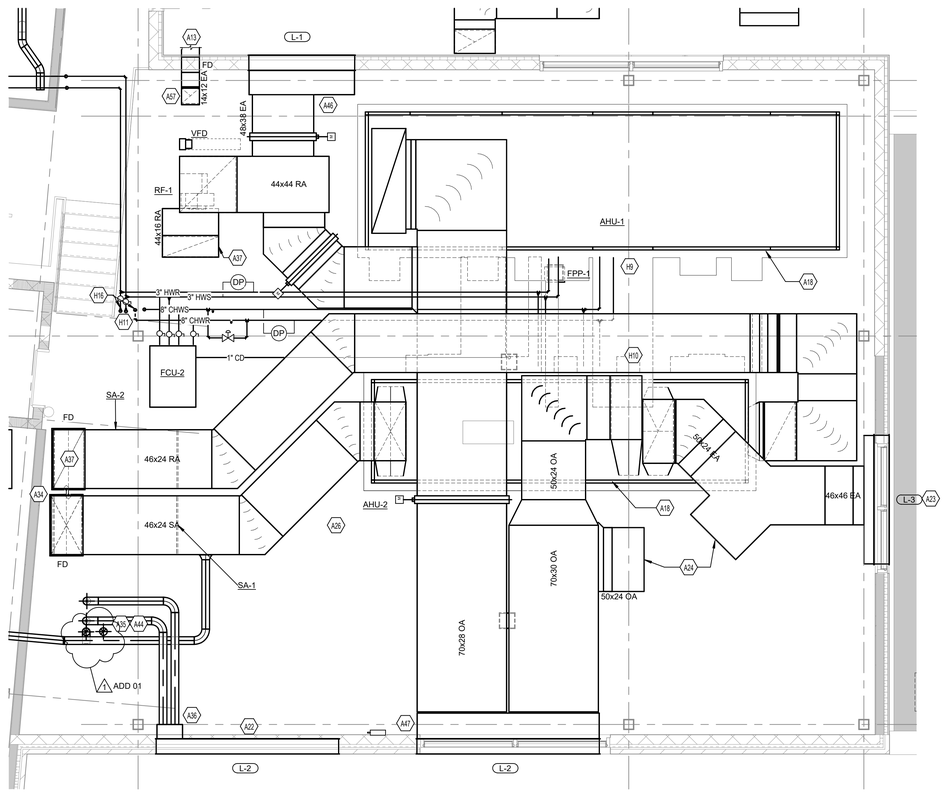
3 M4.0 **2ND FLOOR MECHANICAL ROOM ISOMETRIC VIEW - BASE BID**



1 M4.0 1/4" = 1'-0" **FIRST FLOOR ENLARGED MECHANICAL ROOM**



4 M4.0 1/4" = 1'-0" **SECOND FLOOR ENLARGED MECHANICAL ROOM - ALTERNATE**



2 M4.0 1/4" = 1'-0" **SECOND FLOOR ENLARGED MECHANICAL ROOM - BASE BID**

TAGGED NOTES

A13	DUCT PENETRATES DECON H101 WALL. REFER TO SHEET M2.0, FIRST FLOOR AIR DISTRIBUTION PLAN, FOR CONTINUATION.
A18	EQUIPMENT SHALL BE INSTALLED ON 4" CONCRETE PADS.
A21	AHU-3 SHALL BE BID AS AN ALTERNATE.
A22	ANY UNUSED PORTIONS OF THIS LOUVER SHALL BE COVERED WITH TWO LAYERS OF ONE INCH RIGID INSULATION BETWEEN TWO LAYERS OF SHEET METAL, SEALED AIR TIGHT.
A23	INSTALL A 1 FOOT DEEP PLENUM ON BACK OF LOUVER.
A24	EXTENT OF DUCT INCLUDED IN BASE BID. CAP AND SEAL AIR TIGHT.
A25	REFER TO PLUMBING PLANS. EQUIPMENT SHOWN FOR REFERENCE.
A26	NO DUCTWORK OR PIPING SHALL PASS OVER ELECTRICAL GEAR, PANELS, OR TRANSFORMERS.
A34	DUCTS DOWN TO FLOOR BELOW. SURROUND PENETRATION WITH CONCRETE CURB. SEAL AIR TIGHT AROUND DUCT.
A35	BOILER FLUE UP THROUGH ROOF. PROVIDE ROOF CURB. TERMINATE FLUE PER MANUFACTURERS REQUIREMENTS.
A36	BOILER INTAKE. CONNECT TO PLENUM ON BACK OF LOUVER. 3'X3'X3' PLENUM BOX. INSULATE SIMILAR TO SA DUCT.
A37	RETURN AIR DUCT DOWN TO FIRST FLOOR. PROVIDE CONCRETE CURB AROUND PENETRATION.
A38	EMERGENCY BOILER SHUTOFF.
A44	PROVIDE CONCRETE CURB SURROUNDING FLUE PENETRATIONS.
A45	DUCTS UP TO THE SECOND FLOOR MECHANICAL ROOM.
A46	INSULATE UP TO THE MOTORIZED DAMPER SIMILAR TO OA DUCT.
A47	18" DEPTH PLENUM BOX.
A57	EXHAUST DUCT WILL BE EXTENDED IN ALTERNATE #1. DUCT SHALL BE 5' ABOVE FINISHED FLOOR.
H4	BMS PANEL LOCATION.
H9	SPILL 2" CONDENSATE TO FLOOR DRAIN.
H10	SPILL 1-1/2" CONDENSATE TO FLOOR DRAIN.
H11	PIPING DOWN TO FLOOR BELOW. PROVIDE CONCRETE CURB AROUND PIPE PENETRATIONS.
H16	PROVIDE MANUAL AIR VENTS AT TOPS OF RISER.

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CHRISTOPHER J. REEVES
25045
LICENSED PROFESSIONAL ENGINEER

UNIVERSITY OF KENTUCKY
ENVIRONMENTAL QUALITY MANAGEMENT CENTER
BID PACKAGE #2

UK PROJECT NUMBER	2874.0
OMNI PROJECT NUMBER	2406
DATE	04/15/2025
	BP#2

REVISIONS

1	BID CHANGES	05-01-2025

ENLARGED MECHANICAL ROOM

M4.0

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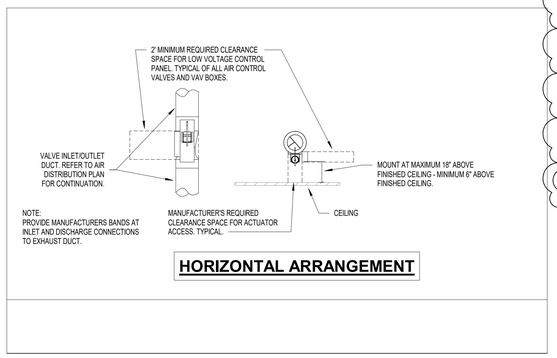
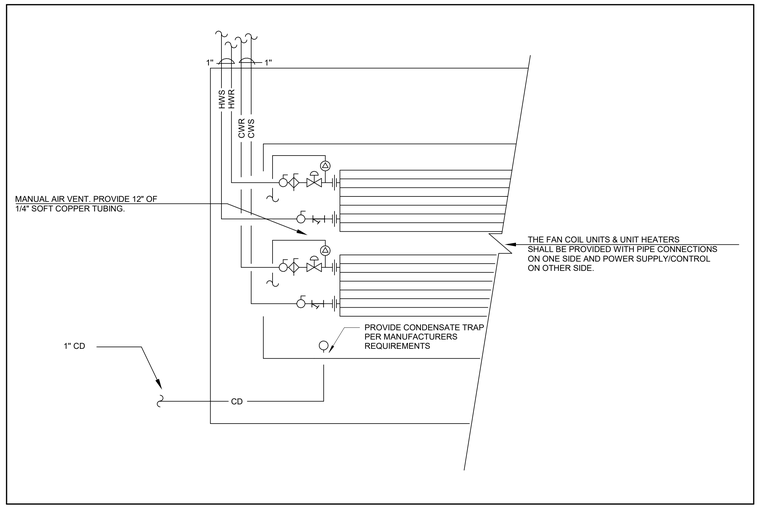
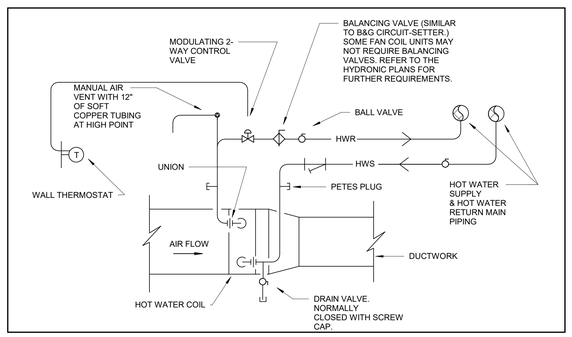


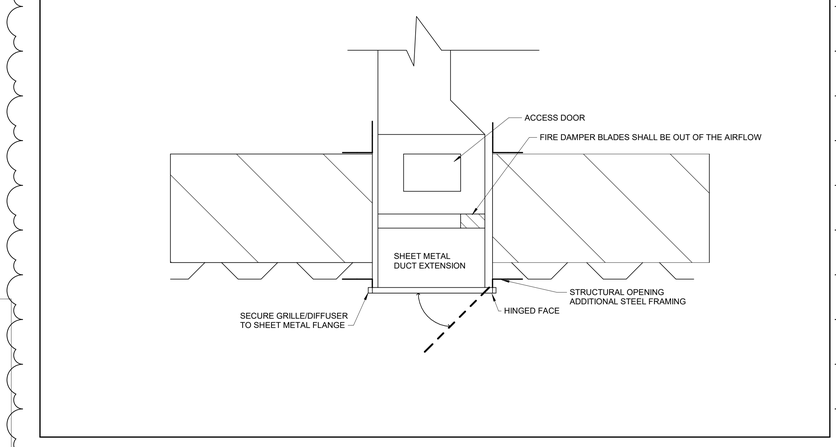
8 AIR CONTROL VALVE DETAIL
SCALE: NONE



4 FAN COIL & UNIT HEATER PIPING DETAIL
SCALE: NONE



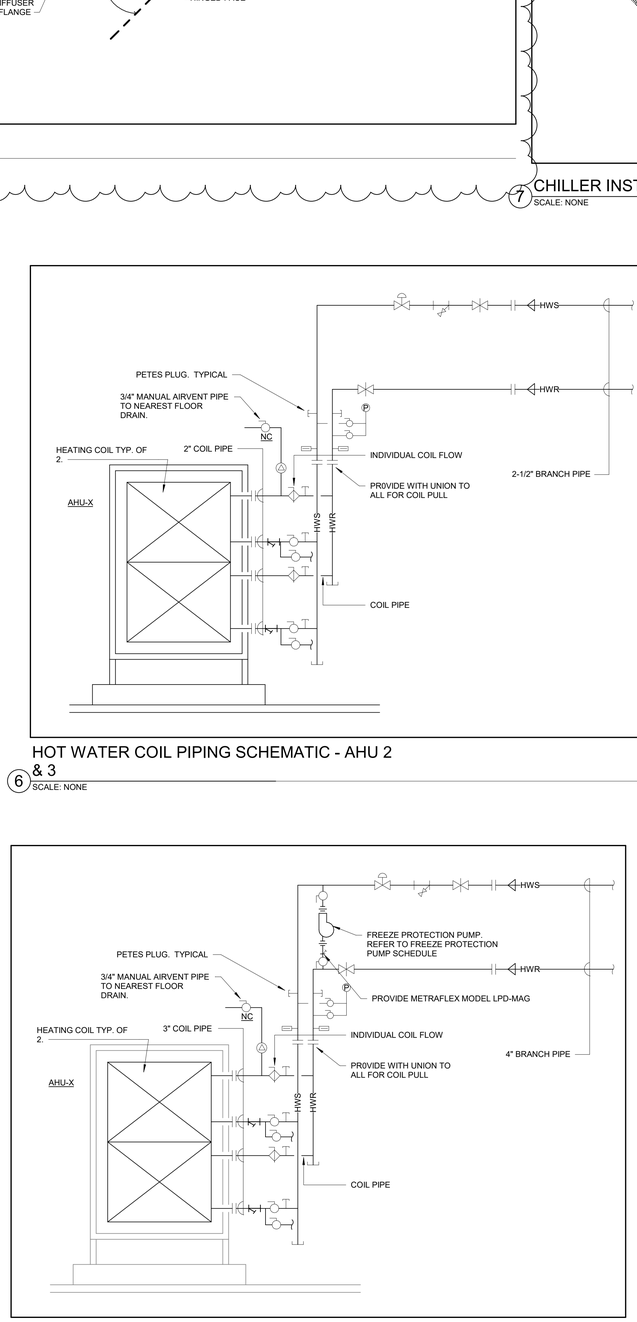
REHEAT COIL, VAV, & CAV BOX PIPING SCHEMATIC
3 SCALE: NONE



9 FIRE DAMPER DETAIL
SCALE: NONE

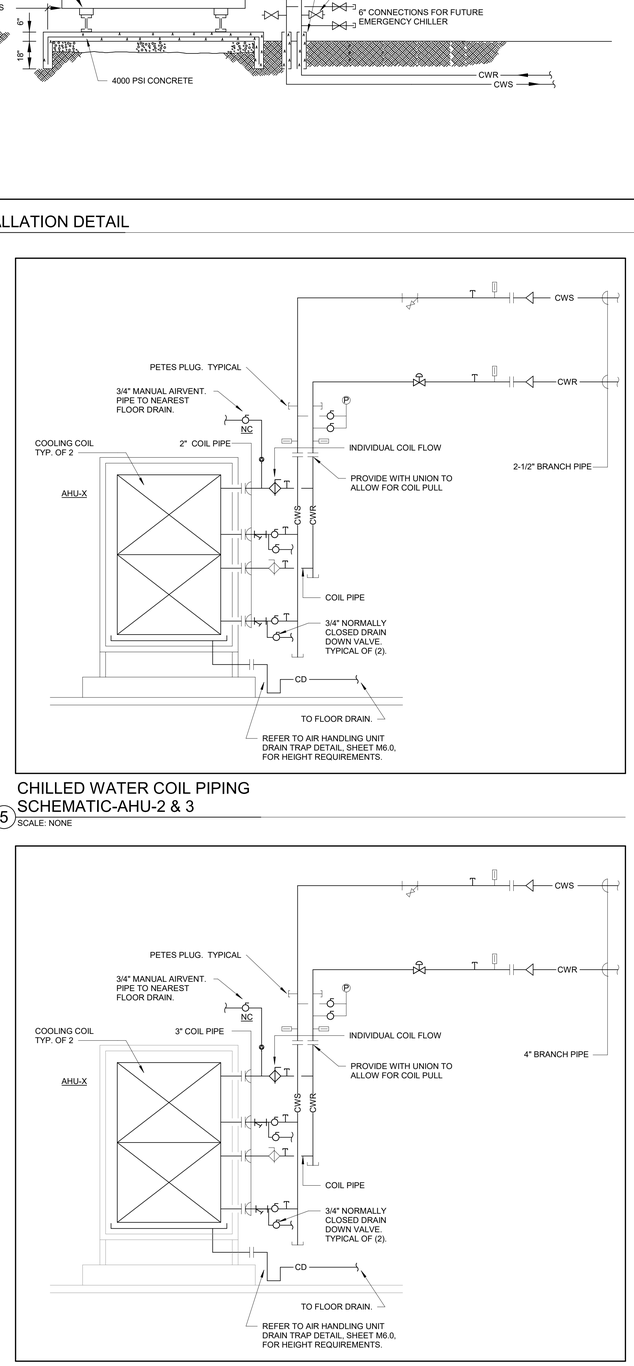
1 ADD 01

HOT WATER COIL PIPING SCHEMATIC - AHU 2 & 3
6 SCALE: NONE



HOT WATER COIL PIPING SCHEMATIC-AHU 1
2 SCALE: NONE

CHILLED WATER COIL PIPING SCHEMATIC-AHU-2 & 3
5 SCALE: NONE



CHILLED WATER COIL PIPING SCHEMATIC-AHU-1
1 SCALE: NONE

7 CHILLER INSTALLATION DETAIL
SCALE: NONE

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BID PACKAGE #2

UK PROJECT NUMBER	2874.0
OMNI PROJECT NUMBER	2406
DATE	04/15/2025
	BP#2

REVISIONS

1	BID CHANGES	05-01-2025

MECHANICAL DETAILS

M7.1

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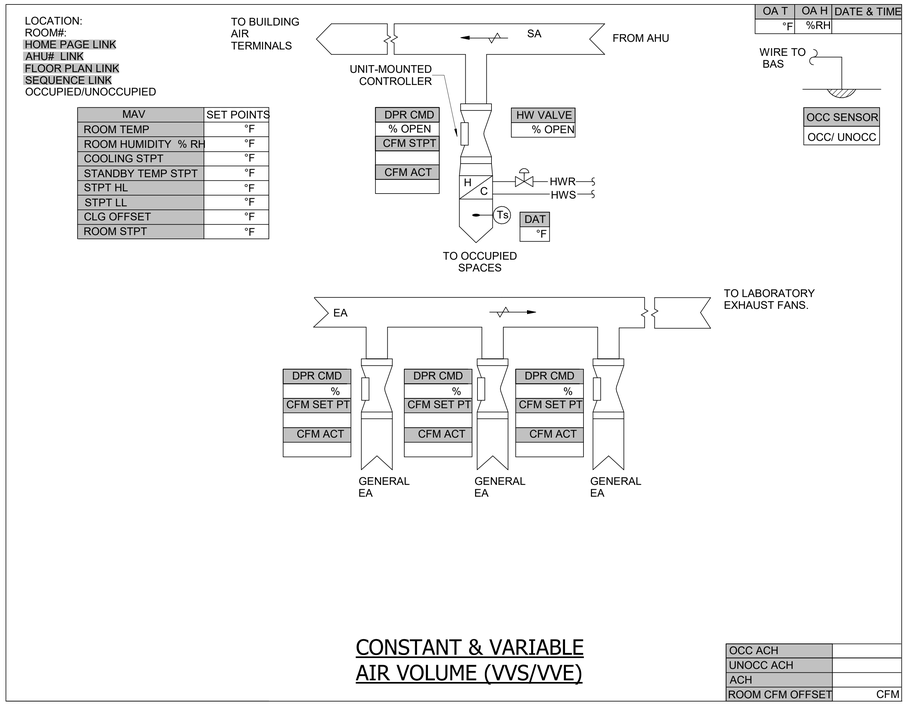
MECHANICAL CONTROL LEGEND

AFF	ABOVE FINISHED FLOOR
AI	ANALOG INPUT
AO	ANALOG OUTPUT
BAS	BUILDING AUTOMATION SYSTEM
BP	BOOSTER PUMP
CCF	100 CUBIC FEET NATURAL GAS
CMD	COMMAND
CO2	CARBON DIOXIDE
CR	CONDENSER RETURN
CS	CONDENSER SUPPLY
CSR	CURRENT SENSOR RELAY
CWR	CHILLED WATER RETURN
CWS	CHILLED WATER SUPPLY
DAT	DISCHARGE AIR TEMPERATURE
DI	DIGITAL INPUT
DO	DIGITAL OUTPUT
DP	DEWPOINT
DPR	DAMPER
EA	EXHAUST AIR PATH
FBD	FACE AND BYPASS DAMPER
HL	HIGH LIMIT
HP	HEAT PUMP
HR	HEAT PUMP RETURN
HS	HEAT PUMP SUPPLY
HWR	HOT WATER RETURN
HWS	HOT WATER SUPPLY
LL	LOW LIMIT
LPC	LOW PRESSURE CONDENSATE
LPS	LOW PRESSURE STEAM
MAT	MIXED AIR TEMPERATURE
MAU	MAKE-UP AIR UNIT
MIN	MINIMUM
NSW	NON-SOFTENED WATER
NC	NORMALLY CLOSED
O/C	OCCUPIED COOLING SETPOINT
O/H	OCCUPIED HEATING SETPOINT
OA	OUTSIDE AIR PATH
OAD	OUTSIDE AIR DAMPER
OAH	OUTSIDE AIR HUMIDITY
OAT	OUTSIDE AIR TEMPERATURE
OCC	OCCUPANCY
PRESS	PRESSURE
RA	RETURN AIR PATH
RF	RETURN FAN
RH	RELATIVE HUMIDITY
SA	SUPPLY AIR PATH
SETPT	SETPOINT
SF	SUPPLY FAN
SFA	SUPPLY FAN ARRAY
STS	STATUS
SW	SOFT WATER
TCC	TEMPERATURE CONTROL CONTRACTOR
TEMP	TEMPERATURE
U/C	UNOCCUPIED COOLING SETPOINT
U/H	UNOCCUPIED HEATING SETPOINT
VFD	VARIABLE FREQUENCY DRIVE

Ta	AVERAGING TEMPERATURE SENSOR
Ts	INSERTION TEMPERATURE SENSOR
H	HUMIDITY SENSOR
LL	LOW LIMIT TEMPERATURE SENSOR
P	PRESSURE SENSOR
DP	DUCT STATIC PRESSURE SENSOR
DPSW	DIFFERENTIAL PRESSURE SWITCH
ES	DAMPER END SWITCH
DP	DIFFERENTIAL PRESSURE SENSOR
C	START/STOP COMMAND
M	MOTORIZED DAMPER
F	FLOW METER
CS	CURRENT SENSOR
SD	DUCT MOUNTED SMOKE DETECTOR
COS	CONDENSATE OVERFLOW SWITCH
DSP-HL	DUCT STATIC PRESSURE HIGH LIMIT
DSP-LL	DUCT STATIC PRESSURE LOW LIMIT
ZN-DP	ZONE DEW POINT
ZN-OCC	ZONE OCCUPANCY SENSOR
ZN-T	ZONE TEMPERATURE - 48" AFF
H / W	HEATING COIL
Co2	CARBON DIOXIDE SENSOR
C / W	CHILLED WATER COIL
E / R	ENERGY RECOVERY COIL
HUMID	HUMIDIFIER
DAT	DISCHARGE AIR SENSOR
VFD	VARIABLE FREQUENCY DRIVE
AFM	AIR FLOW MONITORING STATION

LAB AIR VALVE POINTS LIST

Point Description	Object Name	DI	DO	AI	AO	Override
VVS Damper	VVS_DPR			X	X	X
Hot Water Valve	HTG_VLV				X	X
Supply Air Discharge Air Temp	DA_T			X		
Zone Temp Room Setpoint	ZN_SP_T				X	X
Zone Temp Room Actual	ZN_T			X		
Room Temp Alarm	ZN_AL	X				
General Exhaust Valve	VVE_DPR			X	X	X
General Exhaust CFM	VVE_F			X		
General Exhaust Min CFM Occ	VVE_MIN-OC				X	X
General Exhaust MIN CFM Unocc	VVE_MIN_UOC				X	X
Room CFM Supply Air	DA_F			X		
Room CFM Exhaust Air	EA_F			X		
Room CFM Offset Setpoint	OFF_F				X	X
Room Pressure Alarm	RP_AL	X				



CONSTANT & VARIABLE AIR VOLUME (VVS/VVE)

1. LABORATORY CONTROL (2) AIR VALVES - NO FUME HOODS

1.1. All control of the Laboratory Valves shall be accomplished through the Lab Airflow control system provided by the valve manufacturer and integrated to tridium via a Tier 1 device. Each room shall be provided with its own Control Unit (CCU) which shall be connected to the overall system JACE/ tier one device. All airflow control shall occur in one second.

1.2. Supply Air Valve Control - The supply air valve shall modulate to maintain the minimum and maximum supply airflow as required to maintain the space pressurization. The air valve may increase airflow along with the exhaust valve if the space heating or cooling requirements are not satisfied. The corresponding exhaust air valve shall modulate in each space and maintain the appropriate pressurization by modulating the exhaust air valve to the differential provided on the drawings.

1.3. Space Temperature Control - If the space temperature continues to drop below the setpoint at the minimum airflow, then the 2-way hot water control valve shall modulate to maintain space temperature.

1.4. Loss of Communication/Power Fail Safe - The valves in this application have been configured to fail in the following manner. Under loss of room-level network communication, the supply and general exhaust valves will maintain setpoint as determined by the temperature sensor. This zone fails in a negative pressurization mode with no change in offset.

1.5. In the unoccupied mode, the setpoint to each room shall stay controlled by the local thermostat. The airflow rate shall be reduced by 50%.
1.6. If the supply air in the room is more than the total exhaust a Room Pressure Alarm shall be provided to the DDC.

1.7. Emergency Exhaust Mode - Two manual emergency exhaust mode button shall be located in the facility. When this button is empressed, exhaust valves shall go to their emergency exhaust airflow rates and the AHU shall change to 100% outside air.

2. LABORATORY CONTROL (3) AIR VALVES - WITH FUME HOODS

2.1. All control of the Laboratory Valves shall be accomplished through the lab airflow control system. Each room shall be provided with its own controller which shall be connected to the system JACE. All airflow control shall occur in one second.

2.2. Supply Air Valve Control - The supply air valve shall modulate to maintain the minimum and maximum supply airflow as required to maintain the space temperature to 72F (adj.). The air valve shall go to its minimum position if the space temperature drops below the setpoint.

2.3. Fume Hood Exhaust Air Valve Control - The laboratories are provided with variable air volume fume hoods and each fume hood air valve shall maintain a face velocity as indicated on the airflow schedule at the sash opening regardless of the sash position. As each sash opening increases or decreases, the airflow exhausted through its associated hood exhaust valve changes proportionately, thereby maintaining a constant average face velocity at the
sash opening. When the sash is completely closed the exhaust valve shall maintain the minimum flow indicated on the airflow schedule.

2.4. General Exhaust Air Valve Control - The general exhaust air valve shall operate to maintain the minimum airflow of the space as indicated in the airflow schedule. This valve shall modulate if the summation of the fume hood valves do meet the minimum airflow provided in the schedule. As the airflow modulates in the space to maintain the minimum airflow, the supply air valve shall modulate to provide the airflow offset indicated on the airflow schedule.

2.5. Space Temperature Control - The supply air valve shall modulate as required to maintain space temperature and required pressurization. If the space temperature is above 72F (adj.) then supply air valve shall open providing additional 55 F air in the space. This will require the general exhaust air valve to increase to maintain appropriate space pressurization. If the space temperature falls below 72 F (adj.), then supply air valve shall close to the point where it meets the pressurization requirement. The general exhaust valve shall modulate accordingly. If the air valve is at its required position and the If the space temperature continues to drop below the setpoint at the minimum airflow, then the 2-way hot water control valve shall modulate to maintain space temperature.

2.6. Fume Hood Setbacks - Fume hood shall be provided with zone presense sensors that reduce fume hood airflows to 60 fpm.

2.7. Each valve shall generate a digital feedback signal equal to the valves airflow in CFM and shall transmit this information to the CCU.

2.8. Loss of Communication - Failsafe - Each hood exhaust valve will maintain setpoint as determined by the sash position. The general exhaust valve will fail to its maximum software clamp. The supply air valve will maintain last setpoint. This zone fails in a negative pressurization mode with an increased offset.

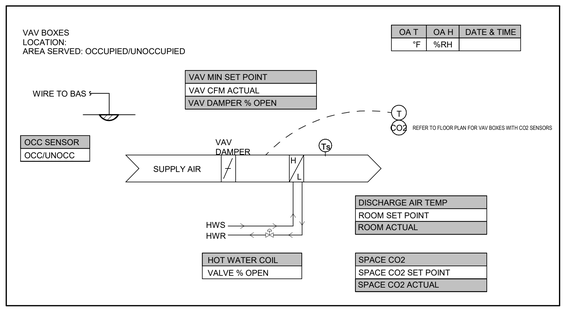
2.9. Loss of Power - Failsafe - Each hood exhaust valve and the general exhaust valve will fail to their maximum mechanical limits and the supply air valve will fail to their minimum mechanical limits. This zone fails in a negative pressurization mode with a largely increased offset.

2.10. Unoccupied Mode - The laboratories in the building will be in unoccupied mode based on schedule set by building owner. During this time, there shall be two fume hoods which contains the chemicals that will maintain traditional minimum flow. The remaining valves will be reduced to provide 4 air changes per hour. All hazardous storage areas shall remain negatively pressurized and maintain a 100 cfm offset unless specifically called out on the plans.

2.11. If the supply air in the room is more than the total exhaust a Room Pressure Alarm shall be provided to the DDC.

2.12. Upon receiving a signal from the fire alarm system, the control valves Lab H103E and H103F shall close. A manual switch shall be provided in the second floor mechanical room next to the CO2 tanks that will tell the valves to open and allow exhaust to evacuate the air in the space.

1 ADD 01



VAV BOX POINT LIST

Point Description	OBJECT NAME	DI	DO	AI	AO	Override
Supply VAV Damper	VAV_DPR				X	X
Hot Water Valve (RH Coil)	HWV_C				X	X
Supply Air Discharge Air Temp	VAV_DAT			X		
Zone Temp Room Setpoint	ZN_T_SP				X	X
Zone Temp Room Actual	ZN_T			X		
Room CFM Supply Air	VAV_F			X		

1. VARIABLE AIR VOLUME (VAV) BOXES (NON LABORATORY)

1.1. Refer to drawings if room is controlled via a wall mounted temperature sensor, duct mounted temperature sensor or wall mounted thermostat.

1.2. When cooling is required, the inlet damper shall modulate between the maximum and minimum air flow setpoints as required to maintain space temperature. When heating is required, the inlet damper shall modulate to the minimum position and the 2-way control valve shall be modulated as required. If the temperature is not satisfied, the inlet damper shall increase the airflow.

1.3. Primary air CFM, leaving air temperature, room temperature and room setpoint shall be monitored by the DDC control system. An air flow sensor shall be located on the inlet side of the VAV box and duct temperature sensor shall be located on the discharge side of the VAV box.

1.4. Occupied/Unoccupied Control: Each room on the office side is provided with an occupancy sensor which shall control the lights and the HVAC system. This occupancy sensor is provided and installed by the electrical contractor and shall provide (2) outputs one for the lighting control and one for the HVAC control. The control of the occupany sensor shall be hardwired into the DDC system and shall not be accomplished via software. In rooms that are not provided with an occupancy sensor that controls the lights, the controls contractor is responsible for providing this occupancy sensor. Refer to electrical drawings for rooms that are provided with a lighting occupancy sensor. If during the building occupied schedule as dictated by DDC system, the occupant leaves his space for more than 15 mins (adj.), the lights will go out and the room shall go into an HVAC unoccupied setback mode. In this room unoccupied mode the VAV shall close, and the room temperature shall be allowed to drift between 68F and 75F. When the occupant returns, the room shall go back into occupied mode and the room shall control to the space thermostat.

1.5. Occupancy Sensors shall not be utilized in any laboratory that has fume hoods for HVAC controls.

1.6 If multiple thermostats are tied to a single VAV box, then the zone temperature and setpoints shall be averaged to determine the zone average temperature setpoint and control discharge air temperature based upon the value.

1.7 CO2 flow reset: The CO2 level in the zone (zn-q) will be monitored and will reset The minimum flow setpoints for the box as scheduled. Minumum set points shall be 0 cfm when space CO2 ppm are equal to outside CO2 PPM. When space CO2 levels are 200 ppm over outside CO2 PPM, then the vav box's minimum position shall be back to scheduled values.

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Lexington, Kentucky 40507
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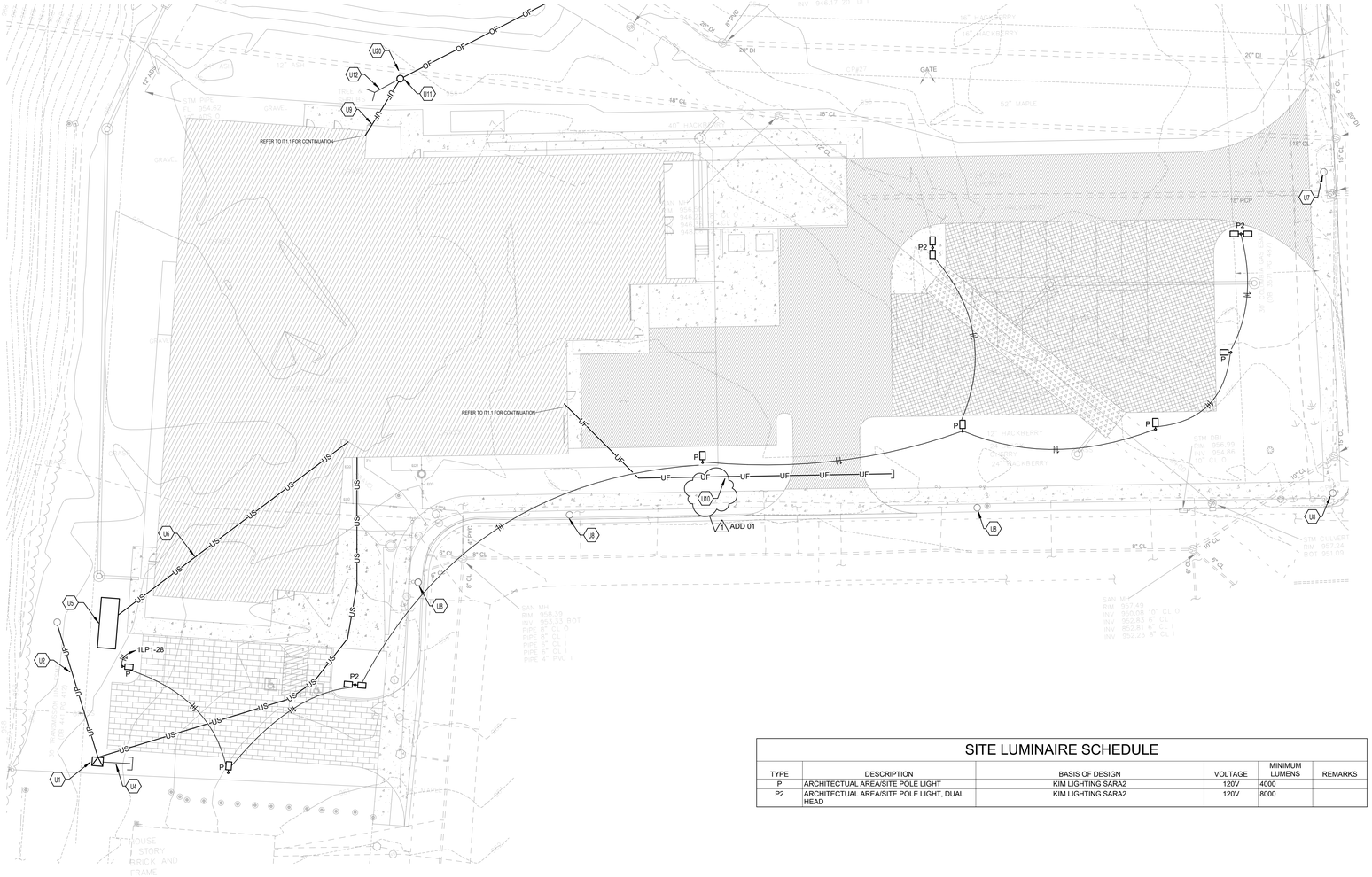
UK PROJECT NUMBER	2874.0
OMNI PROJECT NUMBER	2406
DATE	04/15/2025
	BP#2

REVISIONS

1	BID CHANGES	05-01-2025

CONTROL DIAGRAMS

IC1.1



1 EU101 **ELECTRICAL SITE BUILDING PLAN**
1" = 20'-0"

SITE LUMINAIRE SCHEDULE

TYPE	DESCRIPTION	BASIS OF DESIGN	VOLTAGE	MINIMUM LUMENS	REMARKS
P	ARCHITECTUAL AREA/SITE POLE LIGHT	KIM LIGHTING SARA2	120V	4000	
P2	ARCHITECTUAL AREA/SITE POLE LIGHT, DUAL HEAD	KIM LIGHTING SARA2	120V	8000	

ELECTRICAL SITE NOTES

A DO NOT SCALE FROM MECHANICAL AND ELECTRICAL DRAWINGS. FIELD VERIFY REQUIRED DIMENSIONS AND COORDINATE WITH CIVIL DRAWINGS AND SURVEYS.

B REFER ALSO TO ALL OTHER PLANS AND THE SPECIFICATION, BUT ESPECIALLY TO: THE SITE SURVEY, THE ARCHITECTURAL SITE PLAN, THE SITE GRADING PLAN, THE PLANTING PLAN (WHERE AVAILABLE), FOUNDATION PLAN(S), APPROPRIATE MECHANICAL & ELECTRICAL FLOOR PLANS FOR SERVICE CONTINUATIONS, THE SITE UTILITY PLAN - MECHANICAL & ELECTRICAL. WHERE THERE ARE CONFLICTS AMONG THESE PLANS AND/OR RELATED SPECIFICATIONS, ADVISE THESE ENGINEERS AT LEAST TEN DAYS PRIOR TO SUBMISSION OF BIDS.

C ALL FEES AND ANY OTHER COSTS TO UTILITY COMPANIES, MUNICIPALITIES, INSPECTORS, REVIEWING AGENCIES, ETC. ARE TO BE INCLUDED AS A PART OF THIS CONTRACT.

D FEDERAL, STATE, LOCAL, MUNICIPALITY AND UTILITY COMPANY CODES, RULES, REGULATIONS AND REQUIREMENTS APPLY UNLESS EXCEEDED BY THIS DESIGN.

E WHEN INTERRUPTION OF AN EXISTING UTILITY OR SERVICE IS PLANNED OR OCCURS ACCIDENTALLY, THE CONTRACTOR(S) SHALL WORK CONTINUOUSLY AS NEEDED TO RESTORE SAME PROVIDING PREMIUM TIME AS NEEDED AT NO INCREASE IN THE CONTRACT PRICE.

F LOCATIONS, DEPTHS, MATERIAL TYPES, ELEVATIONS, ETC. OF ALL APPURTENANCES, LINES, BUILDINGS, ETC. INDICATED ON THESE DRAWINGS WERE TAKEN FROM VARIOUS SOURCES, ARE DIAGRAMMATIC ONLY AND ARE SUBJECT TO SUBSTANTIAL VARIATION FROM EXISTING CONDITIONS, EXISTING UTILITIES LOCATIONS MAY VARY. CONSEQUENTLY ALL CONTRACTORS SHALL EXERCISE EXTREME CARE IN THE COURSE OF THEIR WORK SO AS TO ENSURE THAT THEY DO NOT INTERRUPT ANY EXISTING SERVICE. FOR SAFETY PURPOSES, PAY PARTICULAR ATTENTION TO THIS PRECAUTION RELATIVE TO NATURAL GAS AND ELECTRICAL LINES. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH ALL FEDERAL, STATE, AND/OR LOCAL RULES, REGULATIONS, STANDARDS AND SAFETY REQUIREMENTS.

G PROVIDE LONG RADIUS ELBOWS FOR UNDERGROUND CONDUIT BENDS. WHERE SERVING A UTILITY OWNED TRANSFORMER, THE UTILITY STANDARDS SHALL TAKE PRECEDENCE.

H UTILITIES SHALL BE INSTALLED IN ACCORDANCE WITH THE APPLICABLE MUNICIPALITY OR UTILITY COMPANY STANDARDS. IN ALL CASES, THE MOST STRINGENT REQUIREMENT SHALL APPLY. IF ANY VARIATION OCCURS, CONSULT THE ENGINEER. CONTRACTOR SHALL VISIT THE SITE AND FIELD VERIFY THE ROUTING OF ALL UTILITIES NEW AND EXISTING PRIOR TO SUBMISSION OF BIDS. SUBMISSION OF A BID PROPOSAL INDICATES THAT THE CONTRACTOR IS FULLY AWARE OF ALL OBSTRUCTIONS AND WILL INSTALL ALL OF THE NEW UTILITIES WITHOUT REQUESTS FOR ANY ADDITIONAL CHANGES.

I CONTRACTOR SHALL CONTACT ENGINEER FOR INSPECTION OF TRENCHES PRIOR TO INSTALLATION OF CONDUITS OR RACEWAYS. PROVIDE PHOTOS UPON REQUEST.

J CONTRACTOR SHALL CUT AND PATCH ALL PAVEMENT, CURBING, ETC. AS REQUIRED FOR WORK. CONTRACTOR SHALL REPAIR ALL LANDSCAPING THAT IS DAMAGED FOR WORK. FINISH GRADE, SEED AND STRAW ALL DISTURBED GREEN SPACES. ALL PATCH AND REPAIR WORK SHALL BE IN ACCORDANCE WITH BOTH CIVIL AND LANDSCAPE DRAWINGS AND SPECIFICATIONS.

K COORDINATE UNDERGROUND ELECTRICAL WITH ALL LANDSCAPING AND FENCING, ADJUST ELECTRICAL LINES TO AVOID CONFLICTS. REFER TO LANDSCAPING PLANS FOR FURTHER INFORMATION. AVOID ROUTING UNDERGROUND CONDUITS UNDER ROADWAYS OR PARKING LOTS, CROSS ROADWAYS WITH UNDERGROUND CONDUITS AT 90 ANGLES WHERE POSSIBLE.

L THE LOCATIONS OF UTILITIES SHOWN WITHIN THESE DRAWINGS ARE APPROXIMATE ONLY.

M THE CONTRACTOR WILL BE RESPONSIBLE FOR ANY EXCAVATION WORK REQUIRED TO LOCATE UNDERGROUND UTILITIES. THE CONTRACTOR IS ALSO REQUIRED TO NOTIFY ANY OTHER AFFECTED UTILITY OWNERS PRIOR TO DIGGING. IN THE EVENT OF ACCIDENTAL INTERRUPTION OF SERVICE, CONTRACTOR WILL IMMEDIATELY NOTIFY THE OTHER UTILITY OWNERS.

N THE CONTRACTOR WILL PROVIDE ALL NECESSARY PROTECTIVE MEASURES TO SAFEGUARD OTHER EXISTING UTILITIES FROM DAMAGE DURING CONSTRUCTION OF THIS PROJECT. IN THE EVENT THAT SPECIAL EQUIPMENT IS REQUIRED TO WORK OVER AND AROUND THE OTHER UTILITIES. THE UTILITY WILL BE REQUIRED TO FURNISH SUCH EQUIPMENT.

O CONTRACTOR SHALL PAY ALL TAP FEES, UTILITY COST, UTILITY CONNECTION COSTS, METER FEES, EXTENSION AND DEVELOPMENT CHARGES. REFER TO THE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.

TAGGED NOTES

(##)

U1 PROVIDE TRANSFORMER PAD, ,ETERING AND GROUNDING FOR NEW KENTUCKY UTILITIES TRANSFORMER. COORDINATE EXACT DETAILS AND LOCATION WITH UTILITY.

U2 PROVIDE TWO 4" PRIMARY CONDUITS FOR KENTUCKY UTILITIES USE. CONSTRUCT RISER ON POLE FOR ONE CONDUIT, TURN SPARE UP AT BASE OF POLE AND CAP WAERTIGHT. COORDINATE EXACT DETAILS AND LOCATION WITH UTILITY.

U4 PROVIDE SECONDARY SERVICE CONDUIT AND WIRE PER ONE LINE DIAGRAM.

U5 PROVIDE PAD AND GROUNDING FOR GENERATOR. COORDINATE EXACT SIZE WITH EQUIPMENT INSTALLED. PROVIDE DATA OUTLET AT GENERATOR FOR BACNET CONTROL.

U6 PROVIDE EMERGENCY POWER FEEDERS AS NOTED ON ONE-LINE DIAGRAM. ROUTE BELOW BUILDING SLAB TO APPROPRIATE SWITCHES IN MAIN ELECTRICAL ROOM. PROVE 2" CONTROL CONDUIT AND 1" CONDUIT FOR BLOCK HEATER, BATTERY CHARGER, AND ENCLOSURE POWER AS REQUIRED. PROVIDE 1" CONDUIT FOR GENERATOR BACNET CONNECTION.

U7 COORDINATE WITH KENTUCKY UTILITIES FOR RELOCATION OF UTILITY-OWNED POLE AND STREET LIGHTING. (1) ADD 01

U8 UTILITY-OWNED LIGHTING TO REMAIN.

U9 PROVIDE THREE 4" CONDUITS ENCASED IN CONCRETE FROM BUILDING MDF TO NEW POLE. CONSTRUCT RISER ON POLE FOR ONE CONDUIT, TURN SPARE UP AT BASE OF POLE AND CAP WATERTIGHT. PROVIDE TWO 4-CELL 4" FABRIC MESH INNERDUCT IN EACH CONDUIT.

U10 PROVIDE THREE 4" CONDUITS ENCASED IN CONCRETE FROM BUILDING MDF TO LOCATION INDICATED WITH TWO 4-CELL 4" FABRIC MESH INNERDUCT IN EACH CONDUIT. CAP AND MARK CONDUIT FOR FUTURE USE.

U11 PROVIDE NEW 30' CLASS 3 WOOD POLE FOR AERIAL FIBER OPTIC CABLE. CONSTRUCT RISER AND TRANSITION CABLE TO OVERHEAD. PROVIDE BUTT GROUND FOR POLE.

U12 PROVIDE NEW 6000lb RATED GUY AND ANCHOR. BOND GUY TO POLE GROUND PER NESC.

U20 EXISTING UNDERGROUND SEWER LINE. POSITIVELY LOCATE AND COORDINATE LOCATION PRIOR TO INSTALLATION OF NEARBY UTILITY POLE.

SITE UTILITIES LEGEND

	EXISTING, DEMOLITION, NEW WORK
S S S	SANITARY MANHOLE
	FIRE HYDRANT
	WATER VALVE
ECO D(ECO) ECO	EXTERIOR CLEANOUT
TB D(TB) TB	THRUST BLOCK
—XXX—	NEW PIPING - (XXX) DENOTES SYSTEM
- - D(XXX) - -	PIPING TO BE DEMOLISHED - (XXX) DENOTES SYSTEM
—E(XXX)—	EXISTING PIPING - (XXX) DENOTES SYSTEM
—A(XXX)—	ABANDONED IN PLACE PIPING - (XXX) DENOTES SYSTEM
—OP—	OVERHEAD PRIMARY
—OS—	OVERHEAD SECONDARY
—OSL—	OVERHEAD STREET LIGHT
—OTS—	OVERHEAD TRAFFIC SIGNAL
—OT—	OVERHEAD TELECOMMUNICATIONS
—OF—	OVERHEAD FIBER OPTIC
—OTV—	OVERHEAD CATV
—UP—	UNDERGROUND PRIMARY
—US—	UNDERGROUND SECONDARY
—USL—	UNDERGROUND STREET LIGHT
—UTS—	UNDERGROUND TRAFFIC SIGNAL
—UT—	UNDERGROUND TELECOMMUNICATIONS
—UF—	UNDERGROUND FIBER OPTIC
—UTV—	UNDERGROUND CATV
—CHW—	CHILLED WATER
—W—	DOMESTIC WATER
—HPS/R—	HIGH PRESSURE SUPPLY/R
—PD—	PUMPED DISCHARGE RETURN
—SS—	SANITARY SEWER
—STORM—	STORM

BEFORE YOU DIG

THE CONTRACTOR AND ALL SUBCONTRACTORS SHALL CONTACT "BUD (BEFORE YOU DIG)" AT 1-800-752-6007 TO OBTAIN UNDERGROUND UTILITY LOCATIONS PRIOR TO ANY CONSTRUCTION. ANY CONTRACTOR OR SUBCONTRACTOR PERFORMING ANY TYPE OF EXCAVATION ON THIS PROJECT SHALL CALL "BUD" TO OBTAIN AN AUTHORIZATION NUMBER.

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212 North Upper Street
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p. 859.252.6664
www.omniarchitects.com

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UK PROJECT NUMBER	**2874.0**
OMNI PROJECT NUMBER	**2406**
DATE	**04/15/2025**
	BP#2

REVISIONS
1 **BID CHANGES** **05-01-2025**

ELECTRICAL SITE UTILITY PLAN

EU101

PRINT DATE: 5/1/2025 9:03:10 AM

TAGGED NOTES

(##)

- L2 COORDINATE LOCATION AND FINISH OF LIGHT FIXTURE WITH METAL CEILING PANEL.
- L3 LIGHTING FIXTURES TO BE MOUNTED WITHIN THE ELEVATOR PIT. COORDINATE WITH THE ELEVATOR INSTALLER PRIOR TO ROUGH-IN.
- L4 CIRCUIT ELEVATOR PIT LIGHTING WITH RECEPTACLE SERVING ELEVATOR PIT.
- L5 COORDINATE LOCATION OF LIGHT FIXTURE WITH MIRROR.
- L6 ROOM IS CLASSIFIED AS A HAZARDOUS LOCATION, RATED CLASS 1, DIVISION. INSTALL DEVICES, WIRING, AND FIXTURES IN ACCORDANCE WITH ARTICLE 501 OF THE NEC. FIXTURES TO BE CONTROLLED BY SWITCH OUTSIDE ROOM. ALL PENETRATIONS INTO THIS ROOM SHALL BE PROVIDED WITH CONDUIT SEALING FITTINGS AND HAVE ANNULAR SPACES AROUND CONDUIT SEALED AIRTIGHT. SURFACE MOUNT CONDUIT AND DEVICES WITHIN THIS SPACE.
- L7 ROOM IS CLASSIFIED AS A HAZARDOUS LOCATION,RATED CLASS 1, DIVISION 2. INSTALL DEVICES, WIRING, AND FIXTURES IN ACCORDANCE WITH ARTICLE 501 OF THE NEC. FIXTURES TO BE CONTROLLED BY SWITCH AND EMERGENCY RELAY OUTSIDE ROOM. ALL PENETRATIONS INTO THIS ROOM SHALL BE PROVIDED WITH CONDUIT SEALING FITTINGS AND HAVE ANNULAR SPACES AROUND CONDUIT SEALED AIRTIGHT. SURFACE MOUNT CONDUIT AND DEVICES WITHIN THIS SPACE.
- L8 PROVIDE DAYLIGHTING CONTROL PER IECC.
- L10 ROUTE ALL BUILDING EXTERIOR FIXTURES THROUGH LIGHTING CONTROL RELAY AND EMERGENCY OVERRIDE RELAY LOCATED IN MAIN ELECTRICAL ROOM.
- L11 PROVIDE CONTROL RELAY AND BUILDING MANAGEMENT SYSTEM INTERFACE FOR BUILDING-MOUNTED EXTERIOR LIGHTS AND FOR PARKING AREA LIGHTS. LIGHTING OPERATION SHALL BE CONTROLLED REMOTELY THROUGH THE CENTRAL CAMPUS OPERATIONS CENTER.
- L12 PROVIDE EMERGENCY LIGHTING OVERRIDE RELAY FOR BUILDING-MOUNTED EXTERIOR LIGHTS. ALL BUILDING-MOUNTED EGRESS LIGHTING SHALL BE ENERGIZED UPON LOSS OF THE NORMAL POWER CIRCUIT.
- L14 MOUNT FIXTURE RECESSED IN GYPSUM CEILING UNDER STAIR LANDING.

LUMINAIRE SCHEDULE

TYPE	DESCRIPTION	BASIS OF DESIGN	ALTERNATE MANUFACTURER	MOUNTING	VOLTAGE	MINIMUM LUMENS	REMARKS
A	2' X 2' LED TROFFER	LITHONIA ENVEX	LEDALITE	RECESSED	120V	4000	
A1	2' X 4' LED TROFFER	LITHONIA ENVEX	LEDALITE	RECESSED	120V	6000	
B	DIRECT/INDIRECT PENDANT	MARK ARCHITECTUAL LIGHTING PLANAR	LEDALITE	SUSPENDED, 12" BELOW CEILING	120V	5200	
C	ENCLOSED AND GASKETED INDUSTRIAL LED STRIP	LITHONIA FEM	DAYBRITE	SURFACE	120V	4000	
C2	EXPLOSION PROOF, LOW-PROFILE LINEAR LED	RIGALITE EHLV-LED	PEMCO	SURFACE	120V	4000	
C3	EXPLOSION PROOF, LOW-PROFILE LINEAR LED	RIGALITE XML-LED	PEMCO	SURFACE	120V	4000	
D	6" RECESSED CAN LIGHT FIXTURE	JUNO WAFER	LIGHTOLIER	RECESSED	120V	1000	
D2	6" ADJUSTABLE RECESSED CAN LIGHT FIXTURE	JUNO WAFER ADJ	LIGHTOLIER	RECESSED	120V	1000	
E	4' WET LOCATION LED FIXTURE	LITHONIA VAP	LIGHTOLIER	SURFACE	120V	4500	
G	LED WALL LUMINAIRE	LITHONIA D-SERIES SIZE 2			120V	1200	
H	RECESSED LINEAR LED	MARK ARCHITECTUAL LIGHTING SLOT LED	LEDALITE	RECESSED	120V	3200	
J	COLOR CHANGING LED OUTDOOR RATED CONTINUOS LINEAR LED FIXTURE	LUMENPULSE LUMENFACADE		SURFACE, UNDERSIDE OF STRUCTURAL BEAM	120V	776	
M	LED VANITY SCONCE	LITHONIA FMVCSLS	SUNSHINE LIGHTING	SURFACE, COORDINATE WITH MIRROR LOCATION	120V	1000	
P	ARCHITECTUAL AREA/SITE POLE LIGHT	KIM LIGHTING SARA2			120V	4000	
P2	ARCHITECTUAL AREA/SITE POLE LIGHT, DUAL HEAD	KIM LIGHTING SARA2			120V	8000	
X	LED EXIT LIGHT WITH GREEN LETTERING	ISOLITE ELT			120V		
X3	CLASS 1, DIVISION 1 HAZZARDOUS LOCATION EXIT LIGHT	ISOLITE ELT			120V		

1 ADD 01

1 E2.0 **FIRST FLOOR LIGHTING PLAN**
1/8" = 1'-0"

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p. 859.252.6664
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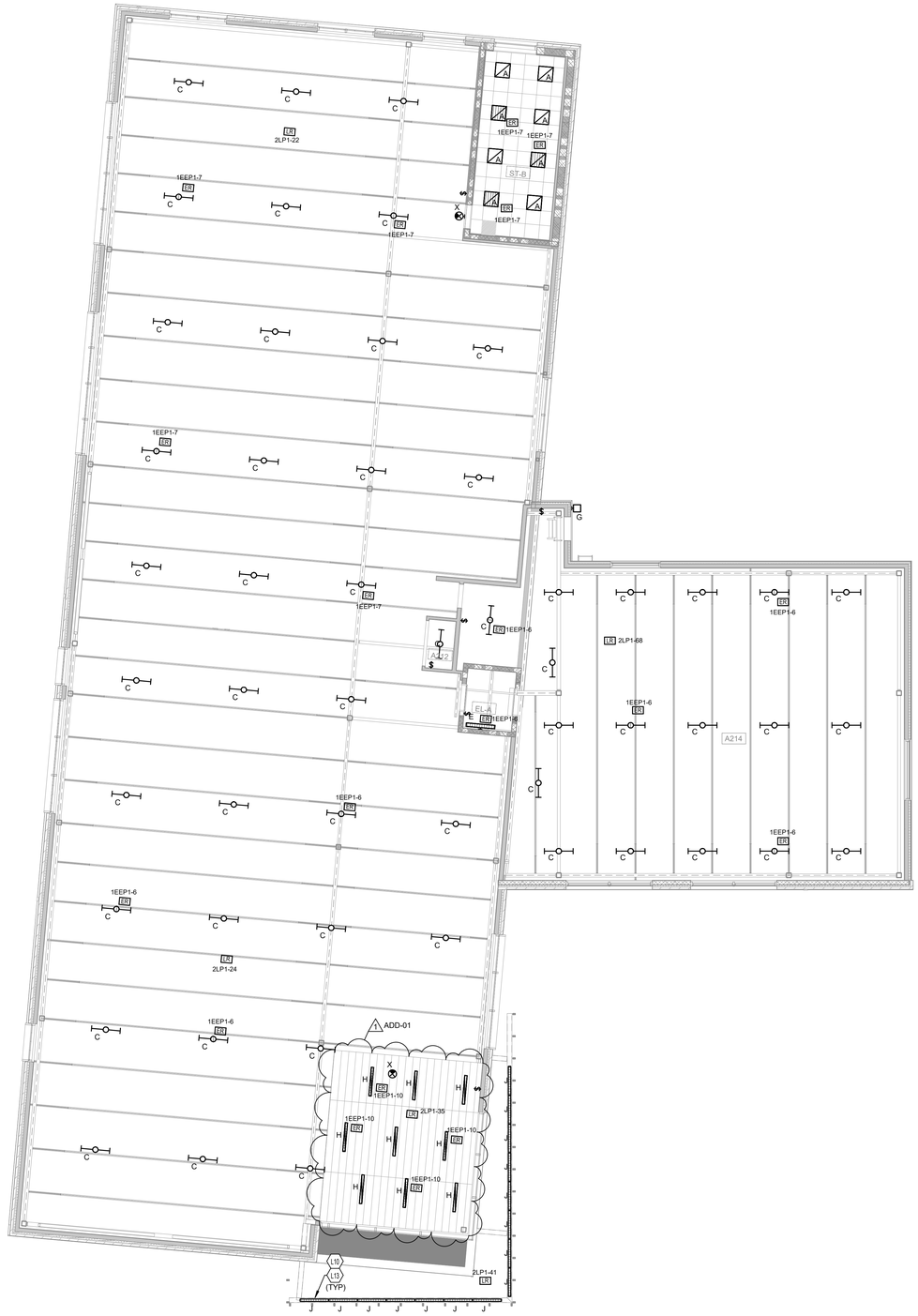
REVISIONS

1	**BID CHANGES**	**05-01-2025**

FIRST FLOOR LIGHTING PLAN

E2.0



TAGGED NOTES

L10 ROUTE ALL BUILDING EXTERIOR FIXTURES THROUGH LIGHTING CONTROL RELAY AND EMERGENCY OVERRIDE RELAY LOCATED IN MAIN ELECTRICAL ROOM.

L13 MOUNT LIGHT FIXTURES TO UNDERSIDE OF SUN SHADE STRUCTURAL BEAM.

LUMINAIRE SCHEDULE

TYPE	DESCRIPTION	BASIS OF DESIGN	ALTERNATE MANUFACTURER	MOUNTING	VOLTAGE	MINIMUM LUMENS	REMARKS
A	2' X 2' LED TROFFER	LITHONIA ENVEX	LEDALITE	RECESSED	120V	4000	
A1	2' X 4' LED TROFFER	LITHONIA ENVEX	LEDALITE	RECESSED	120V	6000	
B	DIRECT/INDIRECT PENDANT	MARK ARCHITECTUAL LIGHTING PLANAR	LEDALITE	SUSPENDED, 12" BELOW CEILING	120V	5200	
C	ENCLOSED AND GASKETED INDUSTRIAL LED STRIP	LITHONIA FEM	DAYBRITE	SURFACE	120V	4000	
C2	EXPLOSION PROOF, LOW-PROFILE LINEAR LED	RIGALITE EHLV-LED	PEMCO	SURFACE	120V	4000	
C3	EXPLOSION PROOF, LOW-PROFILE LINEAR LED	RIGALITE XML-LED	PEMCO	SURFACE	120V	4000	
D	6" RECESSED CAN LIGHT FIXTURE	JUNO WAFER	LIGHTOLIER	RECESSED	120V	1000	
D2	6" ADJUSTABLE RECESSED CAN LIGHT FIXTURE	JUNO WAFER ADJ	LIGHTOLIER	RECESSED	120V	1000	
E	4' WET LOCATION LED FIXTURE	LITHONIA VAP	LIGHTOLIER	SURFACE	120V	4500	
G	LED WALL LUMINAIRE	LITHONIA D-SERIES SIZE 2			120V	1200	
H	RECESSED LINEAR LED	MARK ARCHITECTUAL LIGHTING SLOT LED	LEDALITE	RECESSED	120V	3200	
J	COLOR CHANGING LED OUTDOOR RATED CONTINUOS LINEAR LED FIXTURE	LUMENPULSE LUMENFACADE		SURFACE, UNDERSIDE OF STRUCTURAL BEAM	120V	776	
M	LED VANITY SCONCE	LITHONIA FMVCSLS	SUNSHINE LIGHTING	SURFACE, COORDINATE WITH MIRROR LOCATION	120V	1000	
P	ARCHITECTUAL AREA/SITE POLE LIGHT	KIM LIGHTING SARA2			120V	4000	
P2	ARCHITECTUAL AREA/SITE POLE LIGHT, DUAL HEAD	KIM LIGHTING SARA2			120V	8000	
X	LED EXIT LIGHT WITH GREEN LETTERING	ISOLITE ELT			120V		
X3	CLASS 1, DIVISION 1 HAZZARDOUS LOCATION EXIT LIGHT	ISOLITE ELT			120V		

1 ADD 01

1 E2.1 **SECOND FLOOR LIGHTING PLAN - BASE BID**
1/8" = 1'-0"

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20186
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1	**BID CHANGES**	**05-01-2025**

SECOND FLOOR LIGHTING PLAN - BASE BID

E2.1

TAGGED NOTES

L5 COORDINATE LOCATION OF LIGHT FIXTURE WITH MIRROR.
L8 PROVIDE DAYLIGHTING CONTROL PER IECC.

LUMINAIRE SCHEDULE

TYPE	DESCRIPTION	BASIS OF DESIGN	ALTERNATE MANUFACTURER	MOUNTING	VOLTAGE	MINIMUM LUMENS	REMARKS
A	2' X 2' LED TROFFER	LITHONIA ENVEX	LEDALITE	RECESSED	120V	4000	
A1	2' X 4' LED TROFFER	LITHONIA ENVEX	LEDALITE	RECESSED	120V	6000	
B	DIRECT/INDIRECT PENDANT	MARK ARCHITECTUAL LIGHTING PLANAR	LEDALITE	SUSPENDED, 12" BELOW CEILING	120V	5200	
C	ENCLOSED AND GASKETED INDUSTRIAL LED STRIP	LITHONIA FEM	DAYBRITE	SURFACE	120V	4000	
C2	EXPLOSION PROOF, LOW-PROFILE LINEAR LED	RIGALITE EHLV-LED	PEMCO	SURFACE	120V	4000	
C3	EXPLOSION PROOF, LOW-PROFILE LINEAR LED	RIGALITE XML-LED	PEMCO	SURFACE	120V	4000	
D	6" RECESSED CAN LIGHT FIXTURE	JUNO WAFER	LIGHTOLIER	RECESSED	120V	1000	
D2	6" ADJUSTABLE RECESSED CAN LIGHT FIXTURE	JUNO WAFER ADJ	LIGHTOLIER	RECESSED	120V	1000	
E	4' WET LOCATION LED FIXTURE	LITHONIA VAP	LIGHTOLIER	SURFACE	120V	4500	
G	LED WALL LUMINAIRE	LITHONIA D-SERIES SIZE 2			120V	1200	
H	RECESSED LINEAR LED	MARK ARCHITECTUAL LIGHTING SLOT LED	LEDALITE	RECESSED	120V	3200	
J	COLOR CHANGING LED OUTDOOR RATED CONTINUOS LINEAR LED FIXTURE	LUMENPULSE LUMENFACADE		SURFACE, UNDERSIDE OF STRUCTURAL BEAM	120V	776	
M	LED VANITY SCONCE	LITHONIA FMVCSLS	SUNSHINE LIGHTING	SURFACE, COORDINATE WITH MIRROR LOCATION	120V	1000	
P	ARCHITECTUAL AREA/SITE POLE LIGHT	KIM LIGHTING SARA2			120V	4000	
P2	ARCHITECTUAL AREA/SITE POLE LIGHT, DUAL HEAD	KIM LIGHTING SARA2			120V	8000	
X	LED EXIT LIGHT WITH GREEN LETTERING	ISOLITE ELT			120V		
X3	CLASS 1, DIVISION 1 HAZZARDOUS LOCATION EXIT LIGHT	ISOLITE ELT			120V		

ADD 01

1 E2.2 **SECOND FLOOR LIGHTING PLAN**
1/8" = 1'-0"

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SECOND FLOOR LIGHTING PLAN - ALTERNATES

E2.2

TAGGED NOTES

- E4 ROOM IS RATED CLASS 1, DIVISION 1. INSTALL DEVICES AND WIRING IN ACCORDANCE WITH ARTICLE 501 OF THE NEC. ALL PENETRATIONS INTO THIS ROOM SHALL BE PROVIDED WITH CONDUIT SEALING FITTINGS AND HAVE ANNULAR SPACES AROUND CONDUIT SEALED AIRTIGHT. SURFACE MOUNT CONDUIT AND DEVICES WITHIN THIS SPACE.
- E5 ROOM IS CLASSIFIED AS A HAZARDOUS LOCATION, RATED CLASS 1, DIVISION 2. INSTALL DEVICES AND WIRING IN ACCORDANCE WITH ARTICLE 501 OF THE NEC. ALL PENETRATIONS INTO THIS ROOM SHALL BE PROVIDED WITH CONDUIT SEALING FITTINGS AND HAVE ANNULAR SPACES AROUND CONDUIT SEALED AIRTIGHT. SURFACE MOUNT CONDUIT AND DEVICES WITHIN THIS SPACE.
- S1 PROVIE SMOKE DETECTOR AT BOTTOM OF ELEVATOR PIT.
- S2 FIELD COORDINATE EXACT MOUNTING HEIGHT AND LOCATION OF DEVICES WITHIN MECHANICAL ROOM WITH ALL MECHANICAL DUCTWORK, PIPING, AND CABLE TRAY PRIOR TO INSTALLATION.
- S4 PROVIDE RELAY AND FIRE ALARM INTERFACE FOR ELEVATOR CONTROLLER.
- S6 PROVIDE FIRE ALARM INTERFACE FOR SUPERVISED VALVES. COORDINATE EXACT LOCATIONS WITH FIRE PROTECTION PLANS AND CONTRACTOR.
- S8 PROVIDE FIRE ALARM INTERFACE FOR C02 FIRE SUPPRESSION SYSTEM. DETECTORS PROVIDED BY FIRE SUPPRESSION VENDOR.

1 FIRST FLOOR SYSTEMS PLAN
E4.0 1/8" = 1'-0"

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Omni ARCHITECTS
212 North Upper Street
Lexington, Kentucky 40507
p. 859.252.6664
www.omniarchitects.com

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CMTA

Bell

STATE OF KENTUCKY ALAN R KELLIHER 20195 LICENSED PROFESSIONAL ENGINEER

UNIVERSITY OF KENTUCKY
ENVIRONMENTAL QUALITY MANAGEMENT CENTER
BID PACKAGE #2

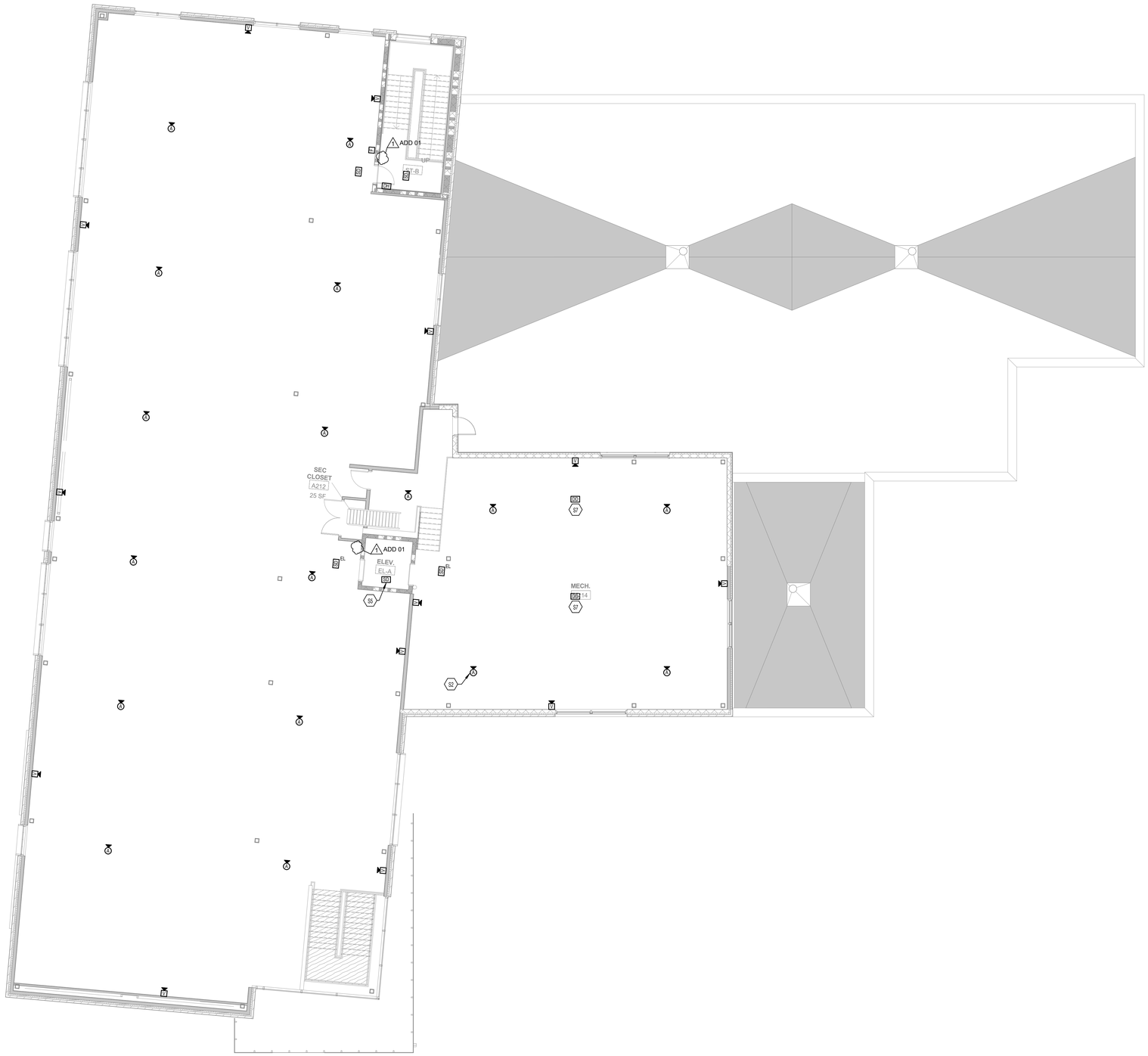
UK PROJECT NUMBER	2874.0
OMNI PROJECT NUMBER	2406
DATE	04/15/2025
	BP#2

REVISIONS

1 BID CHANGES	05-01-2025

FIRST FLOOR SYSTEMS PLAN

E4.0



TAGGED NOTES

- S2 FIELD COORDINATE EXACT MOUNTING HEIGHT AND LOCATION OF DEVICES WITHIN MECHANICAL ROOM WITH ALL MECHANICAL DUCTWORK, PIPING, AND CABLE TRAY PRIOR TO INSTALLATION.
- S5 PROVIDE SMOKE DETECTOR AT TOP OF ELEVATOR SHAFT.
- S7 PROVIDE DUCT SMOKE DETECTOR IN DUCT SERVING AIR HANDLING UNIT. COORDINATE EXACT LOCATION WITH MECHANICAL PLANS AND CONTRACTOR. PROVIDE REMOTE TEST SWITCH/INDICATOR LIGHT AT 7' 6" AFF ON WALL IN AREA BELOW DETECTOR.

1 E4.1 **SECOND FLOOR SYSTEMS PLAN - ALTERNATES**
1/8" = 1'-0"

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Lexington, Kentucky 40507
p. 859.252.6664
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STATE OF KENTUCKY ALAN R KELLEY 20166 LICENSED PROFESSIONAL ENGINEER

UNIVERSITY OF KENTUCKY
ENVIRONMENTAL QUALITY MANAGEMENT CENTER
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UK PROJECT NUMBER	**2874.0**
OMNI PROJECT NUMBER	**2406**
DATE	**04/15/2025**
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REVISIONS

1	**BID CHANGES**	**05-01-2025**

SECOND FLOOR SYSTEMS PLAN - BASE BID

E4.1

TAGGED NOTES

S2	FIELD COORDINATE EXACT MOUNTING HEIGHT AND LOCATION OF DEVICES WITHIN MECHANICAL ROOM WITH ALL MECHANICAL DUCTWORK, PIPING, AND CABLE TRAY PRIOR TO INSTALLATION.
S5	PROVIDE SMOKE DETECTOR AT TOP OF ELEVATOR SHAFT.
S7	PROVIDE DUCT SMOKE DETECTOR IN DUCT SERVING AIR HANDLING UNIT. COORDINATE EXACT LOCATION WITH MECHANICAL PLANS AND CONTRACTOR. PROVIDE REMOTE TEST SWITCH/INDICATOR LIGHT AT 7' 6" AFF ON WALL IN AREA BELOW DETECTOR.

1 E4.2 **SECOND FLOOR SYSTEMS PLAN**
1/8" = 1'-0"

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212 North Upper Street
Lexington, Kentucky 40507
p. 859.252.6664
www.omniarchitects.com

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STATE OF KENTUCKY
ALAN R KELLER
20166
LICENSED PROFESSIONAL ENGINEER

UNIVERSITY OF KENTUCKY
ENVIRONMENTAL QUALITY MANAGEMENT CENTER
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SECOND FLOOR SYSTEMS PLAN - ALTERNATES

E4.2